

9.33. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:27015, Bandwidth:5, Modulation:QPSK, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
846.5	99	26	0.1	Peak	4.48	4.98	5	Pass

Agilent
Measure

Ch Freq 846.5 MHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 28.94 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.94 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 %
4.4832 MHz	x dB -26.00 dB
Transmit Freq Error -13.359 kHz	
x dB Bandwidth 4.976 MHz	

Power Stat CCDF
More 1 of 2

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9.34. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:27015, Bandwidth:5, Modulation:16QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
846.5	99	26	0.1	Peak	4.47	4.96	5	Pass

Agilent

Measure

Ch Freq 846.5 MHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 28.94 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
8.94

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 %
4.4749 MHz	x dB	-26.00 dB
Transmit Freq Error	-8.379 kHz	
x dB Bandwidth	4.956 MHz	

Power Stat
CCDF

More
1 of 2

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9.35. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:27015, Bandwidth:5, Modulation:64QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
846.5	99	26	0.1	Peak	4.48	4.92	5	Pass

Agilent

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

Ch Freq 846.5 MHz
Trig Free

Occupied Bandwidth Averages: 2

Ref 28.94 dBm #Atten 30 dB

#Peak

Log

10

dB/

Offst 8.94 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 %
4.4845 MHz	x dB -26.00 dB
Transmit Freq Error -13.997 kHz	
x dB Bandwidth 4.923 MHz	

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9.36. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:27015, Bandwidth:5, Modulation:256QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
846.5	99	26	0.1	Peak	4.47	4.92	5	Pass

Agilent
Measure

Ch Freq 846.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.94 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.94 dB

Center 846.500 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

4.4724 MHz

Transmit Freq Error -15.678 kHz

x dB Bandwidth 4.916 MHz

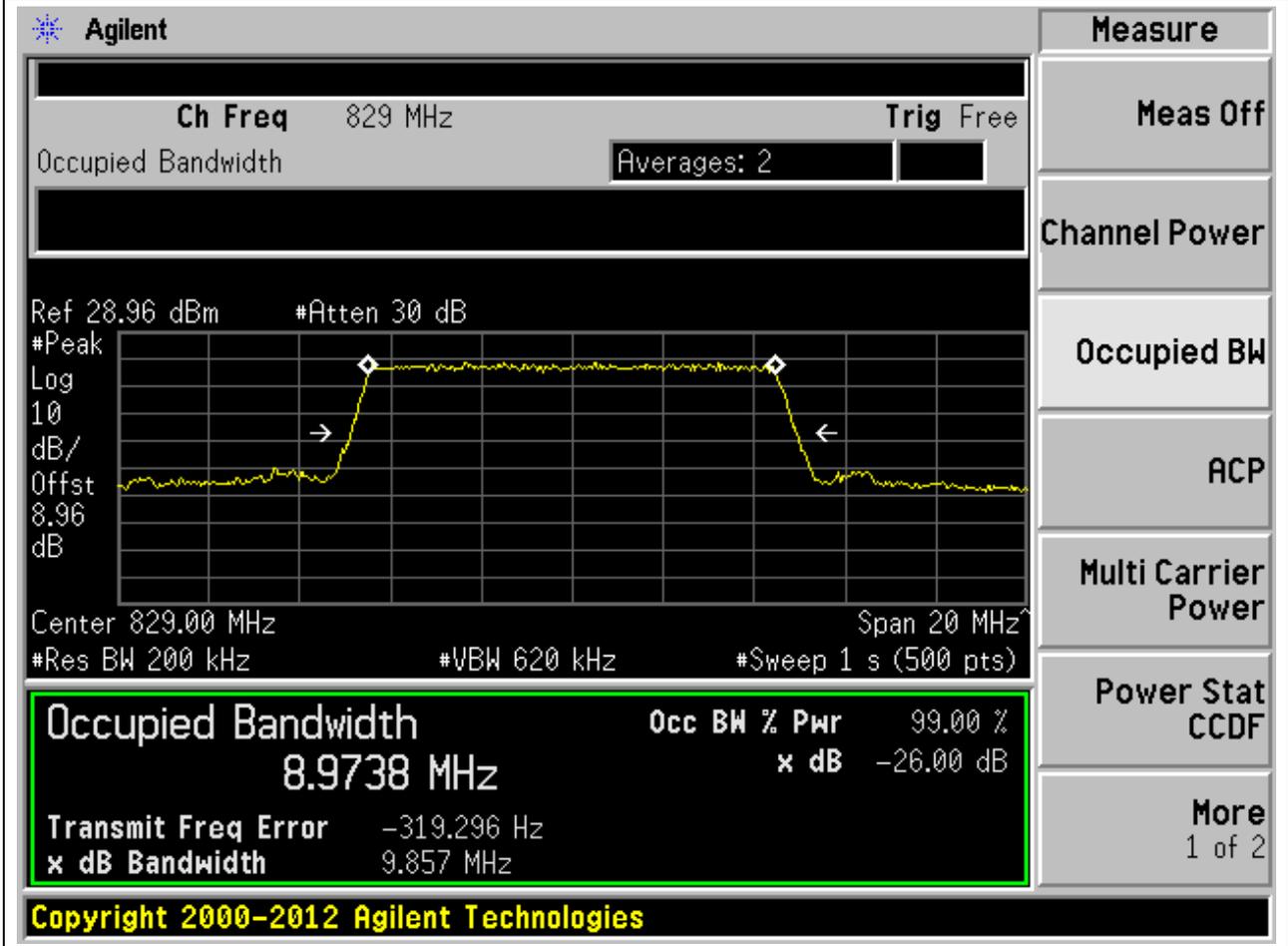
Occ BW % Pwr 99.00 %

x dB -26.00 dB

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9.37. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:26840, Bandwidth:10, Modulation:QPSK, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
829	99	26	0.2	Peak	8.97	9.86	10	Pass



9.38. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:26840, Bandwidth:10, Modulation:16QAM, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
829	99	26	0.2	Peak	8.94	9.77	10	Pass

Agilent
Measure

Ch Freq 829 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.96 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.96 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

8.9379 MHz

Transmit Freq Error 1.912 kHz

x dB Bandwidth 9.773 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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9.39. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:26840, Bandwidth:10, Modulation:64QAM, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
829	99	26	0.2	Peak	8.97	9.83	10	Pass

Agilent

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

Ch Freq 829 MHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 28.96 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.96 dB

Center 829.00 MHz Span 20 MHz

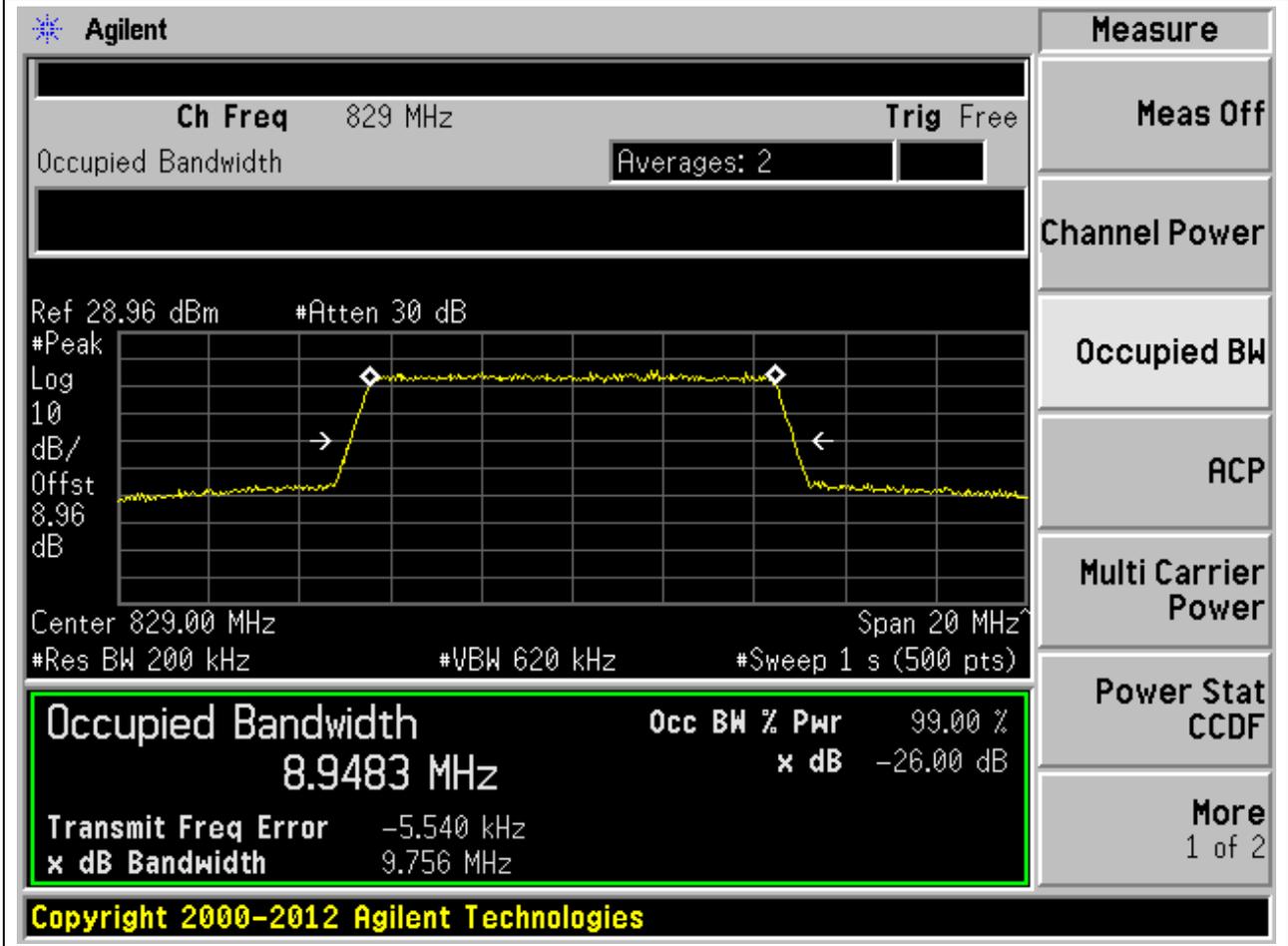
#Res BW 200 kHz #VBW 620 kHz #Sweep 1 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
8.9670 MHz	x dB -26.00 dB
Transmit Freq Error -9.007 kHz	
x dB Bandwidth 9.831 MHz	

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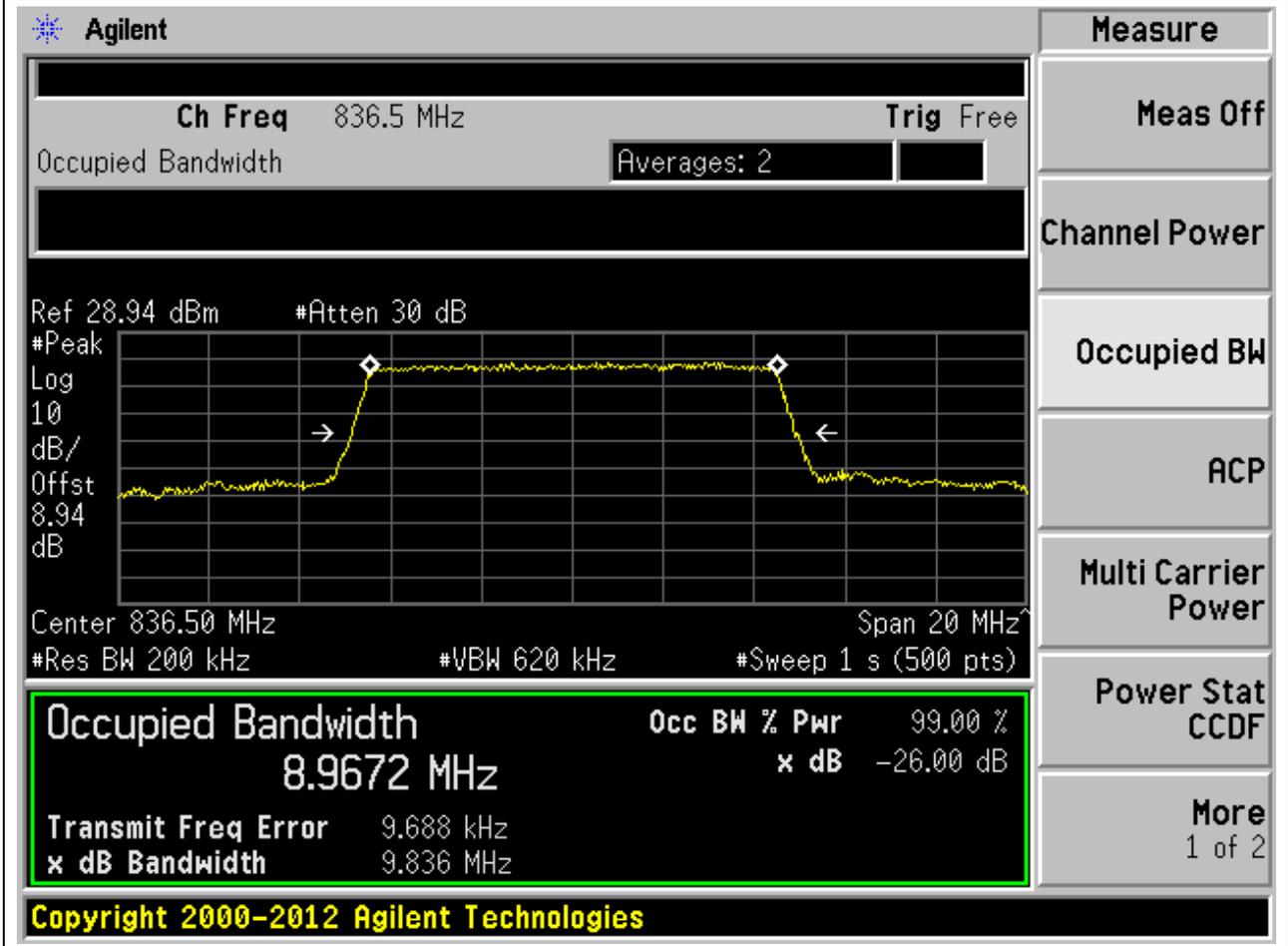
9.40. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:26840, Bandwidth:10, Modulation:256QAM, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
829	99	26	0.2	Peak	8.95	9.76	10	Pass



9.41. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:26915, Bandwidth:10, Modulation:QPSK, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.2	Peak	8.97	9.84	10	Pass



9.42. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:26915, Bandwidth:10, Modulation:16QAM, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.2	Peak	8.92	9.73	10	Pass

Agilent

Measure

Ch Freq 836.5 MHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 28.94 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
8.94

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 %
8.9245 MHz	x dB -26.00 dB
Transmit Freq Error 10.895 kHz	
x dB Bandwidth 9.731 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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9.43. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:26915, Bandwidth:10, Modulation:64QAM, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.2	Peak	8.96	9.82	10	Pass

Agilent

Ch Freq 836.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.94 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.94 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 %
8.9581 MHz	x dB	-26.00 dB
Transmit Freq Error	4.629 kHz	
x dB Bandwidth	9.818 MHz	

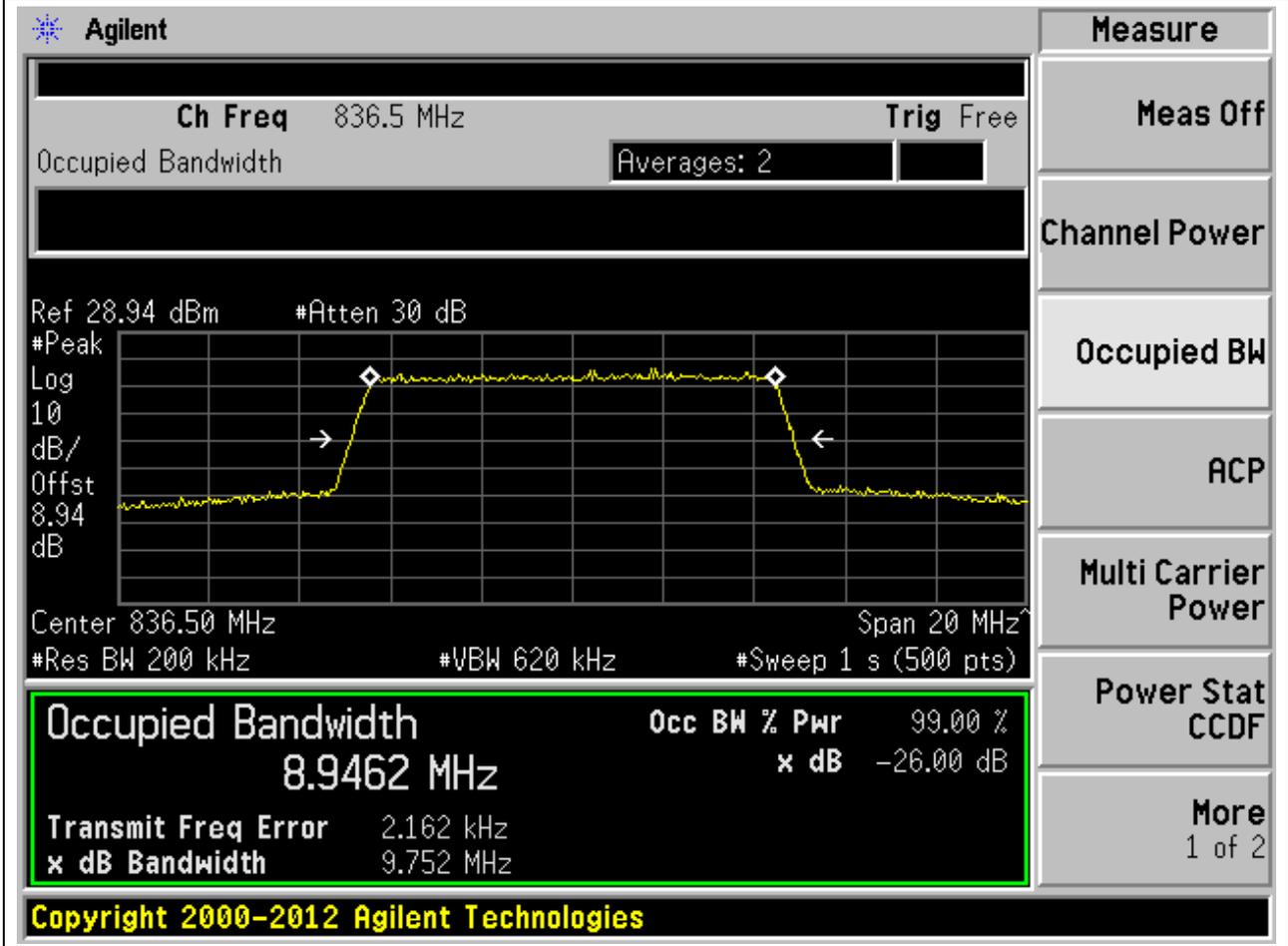
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Measure

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

9.44. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:26915, Bandwidth:10, Modulation:256QAM, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.2	Peak	8.95	9.75	10	Pass



9.45. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:26990, Bandwidth:10, Modulation:QPSK, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
844	99	26	0.2	Peak	8.94	9.76	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 28.94 dBm #Atten 30 dB

#Peak

Log

10

dB/

Offst

8.94

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 %
8.9412 MHz	x dB -26.00 dB
Transmit Freq Error -13.070 kHz	
x dB Bandwidth 9.761 MHz	

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9.46. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:26990, Bandwidth:10, Modulation:16QAM, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
844	99	26	0.2	Peak	8.91	9.73	10	Pass

Agilent

Measure

Ch Freq 844 MHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 28.94 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
8.94

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 %
8.9127 MHz	x dB -26.00 dB
Transmit Freq Error -18.538 kHz	
x dB Bandwidth 9.733 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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9.47. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:26990, Bandwidth:10, Modulation:64QAM, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
844	99	26	0.2	Peak	8.94	9.79	10	Pass

Agilent
Measure

Ch Freq 844 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.94 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.94 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

8.9356 MHz

Transmit Freq Error -24.752 kHz

x dB Bandwidth 9.792 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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9.48. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:26990, Bandwidth:10, Modulation:256QAM, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
844	99	26	0.2	Peak	8.93	9.75	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 28.94 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.94 dB

Center 844.00 MHz Span 20 MHz

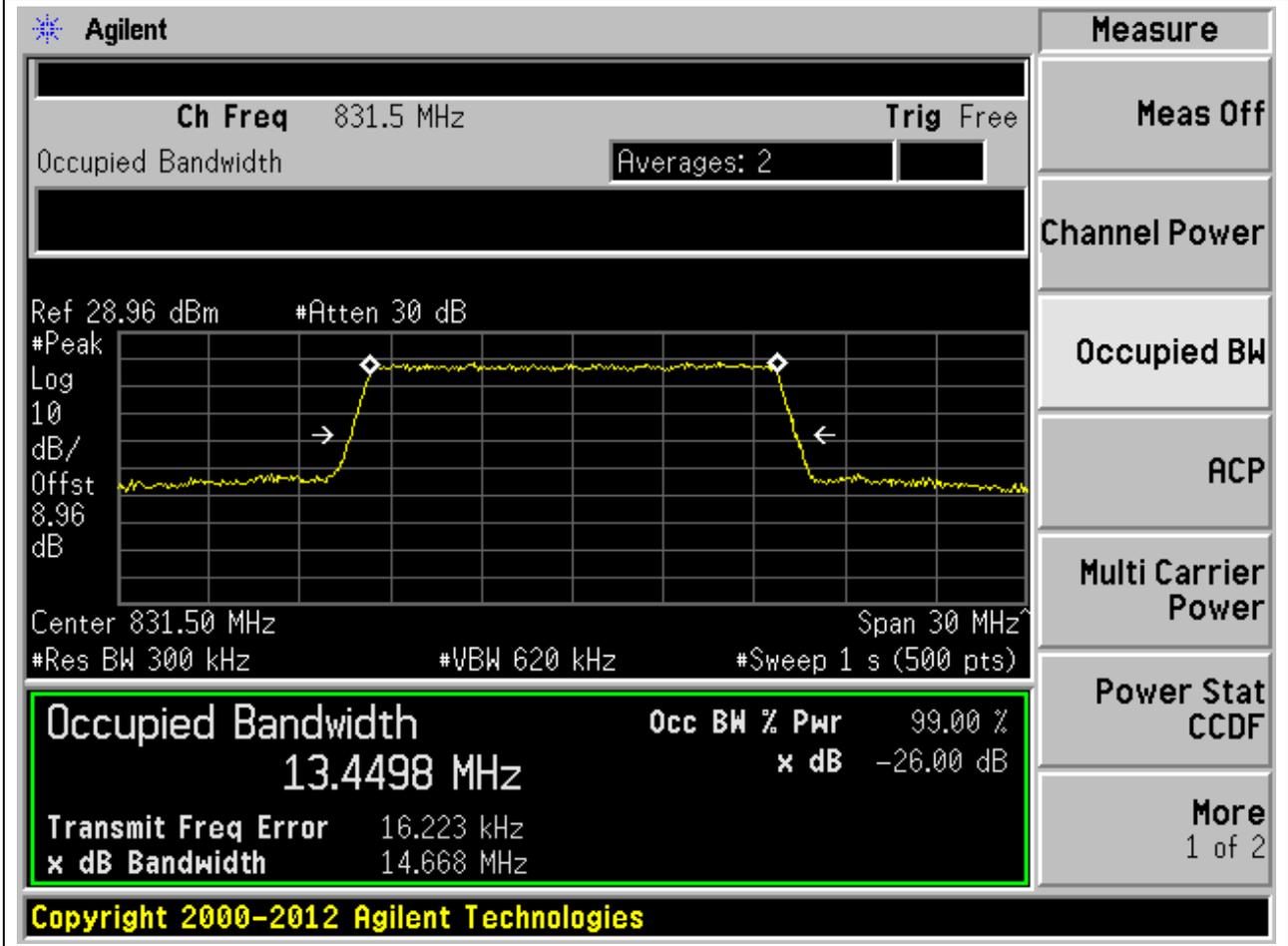
#Res BW 200 kHz #VBW 620 kHz #Sweep 1 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
8.9267 MHz	x dB -26.00 dB
Transmit Freq Error -33.638 kHz	
x dB Bandwidth 9.750 MHz	

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9.49. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:26865, Bandwidth:15, Modulation:QPSK, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
831.5	99	26	0.3	Peak	13.45	14.67	15	Pass



9.50. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:26865, Bandwidth:15, Modulation:16QAM, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
831.5	99	26	0.3	Peak	13.44	14.7	15	Pass

Agilent

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

Ch Freq 831.5 MHz
Trig Free

Occupied Bandwidth Averages: 2

Ref 28.96 dBm #Atten 30 dB

#Peak

Log

10 dB/

Offst 8.96 dB

Center 831.50 MHz Span 30 MHz

#Res BW 300 kHz #VBW 620 kHz #Sweep 1 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
13.4432 MHz	x dB -26.00 dB
Transmit Freq Error -1.739 kHz	
x dB Bandwidth 14.696 MHz	

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9.51. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:26865, Bandwidth:15, Modulation:64QAM, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
831.5	99	26	0.3	Peak	13.43	14.69	15	Pass

Agilent
Measure

Ch Freq 831.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.96 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.96 dB

Center 831.50 MHz Span 30 MHz

#Res BW 300 kHz #VBW 620 kHz #Sweep 1 s (500 pts)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

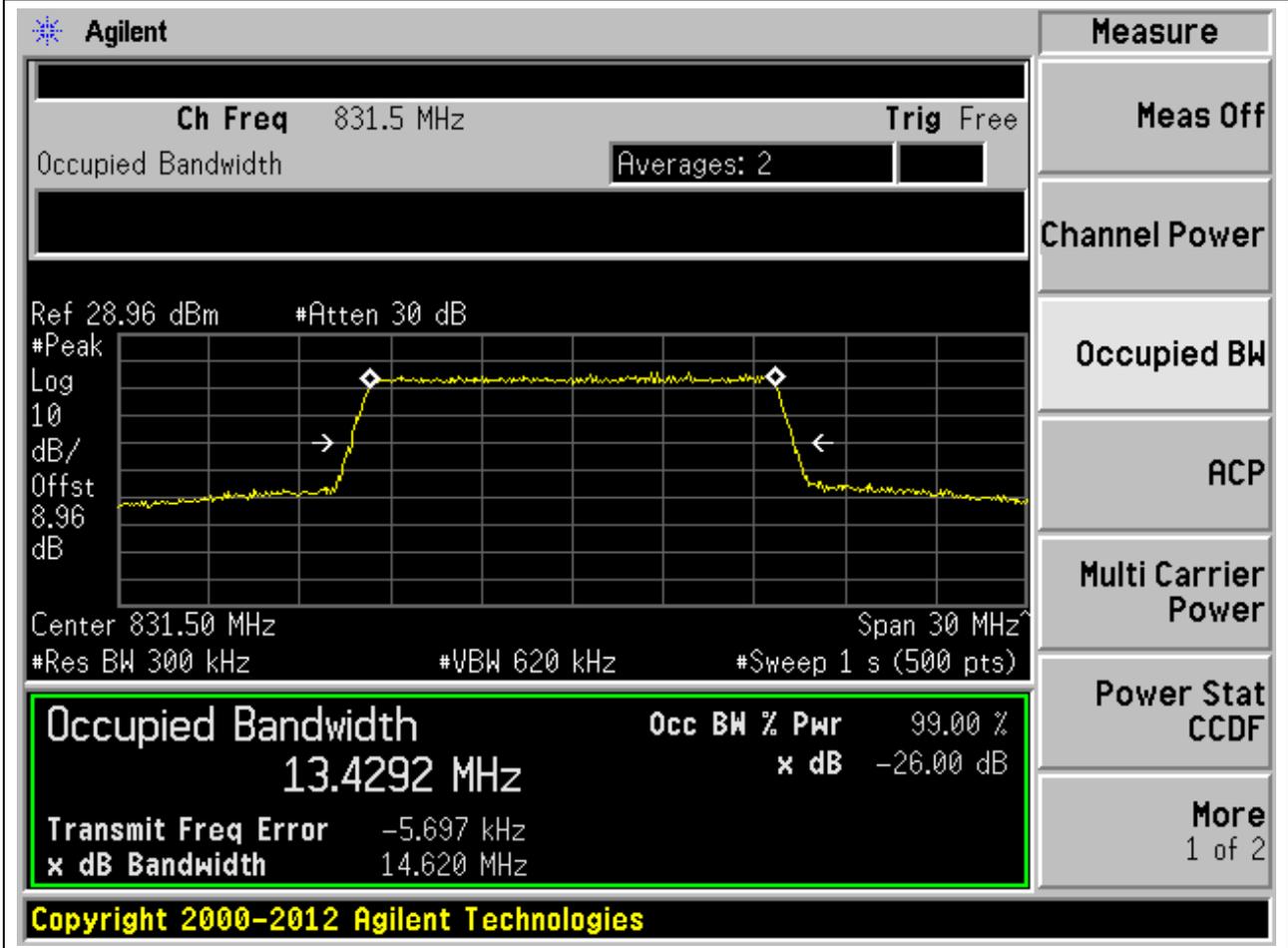
More 1 of 2

Occupied Bandwidth	Occ BW % Pwr 99.00 %
13.4323 MHz	x dB -26.00 dB
Transmit Freq Error 8.525 kHz	
x dB Bandwidth 14.694 MHz	

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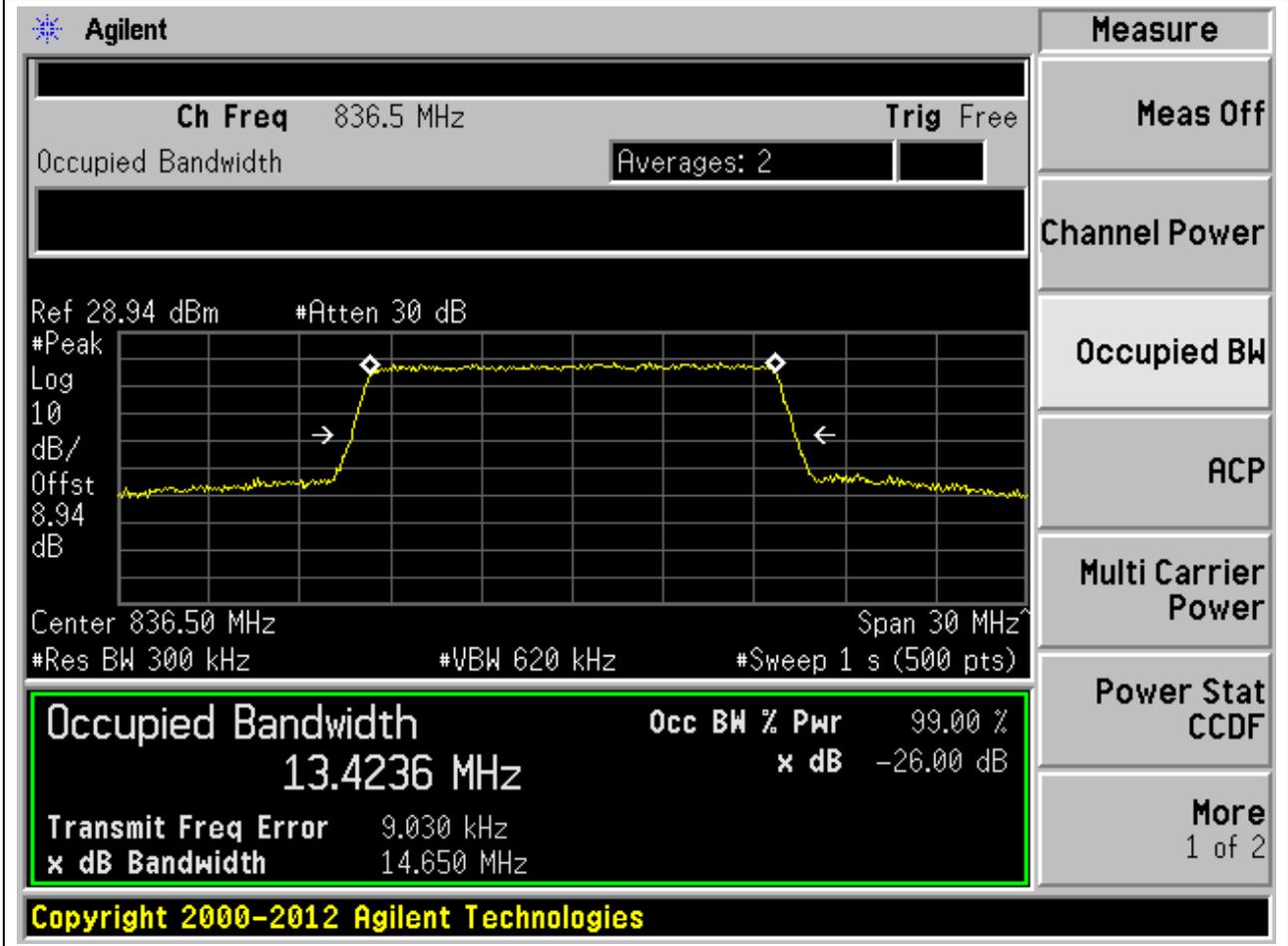
9.52. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:26865, Bandwidth:15, Modulation:256QAM, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
831.5	99	26	0.3	Peak	13.43	14.62	15	Pass



9.53. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:26915, Bandwidth:15, Modulation:QPSK, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.3	Peak	13.42	14.65	15	Pass



9.54. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:26915, Bandwidth:15, Modulation:16QAM, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.3	Peak	13.41	14.67	15	Pass

Agilent
Measure

Ch Freq 836.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.94 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.94 dB

Center 836.50 MHz Span 30 MHz

#Res BW 300 kHz #VBW 620 kHz #Sweep 1 s (500 pts)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

Occupied Bandwidth	Occ BW % Pwr 99.00 %
13.4107 MHz	x dB -26.00 dB
Transmit Freq Error 567.505 Hz	
x dB Bandwidth 14.674 MHz	

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9.55. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:26915, Bandwidth:15, Modulation:64QAM, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.3	Peak	13.42	14.66	15	Pass

Agilent

Ch Freq 836.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.94 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.94 dB

Center 836.50 MHz Span 30 MHz

#Res BW 300 kHz #VBW 620 kHz #Sweep 1 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
13.4157 MHz	x dB	-26.00 dB
Transmit Freq Error	9.405 kHz	
x dB Bandwidth	14.659 MHz	

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Measure

Meas Off

Channel Power

Occupied BW

ACP

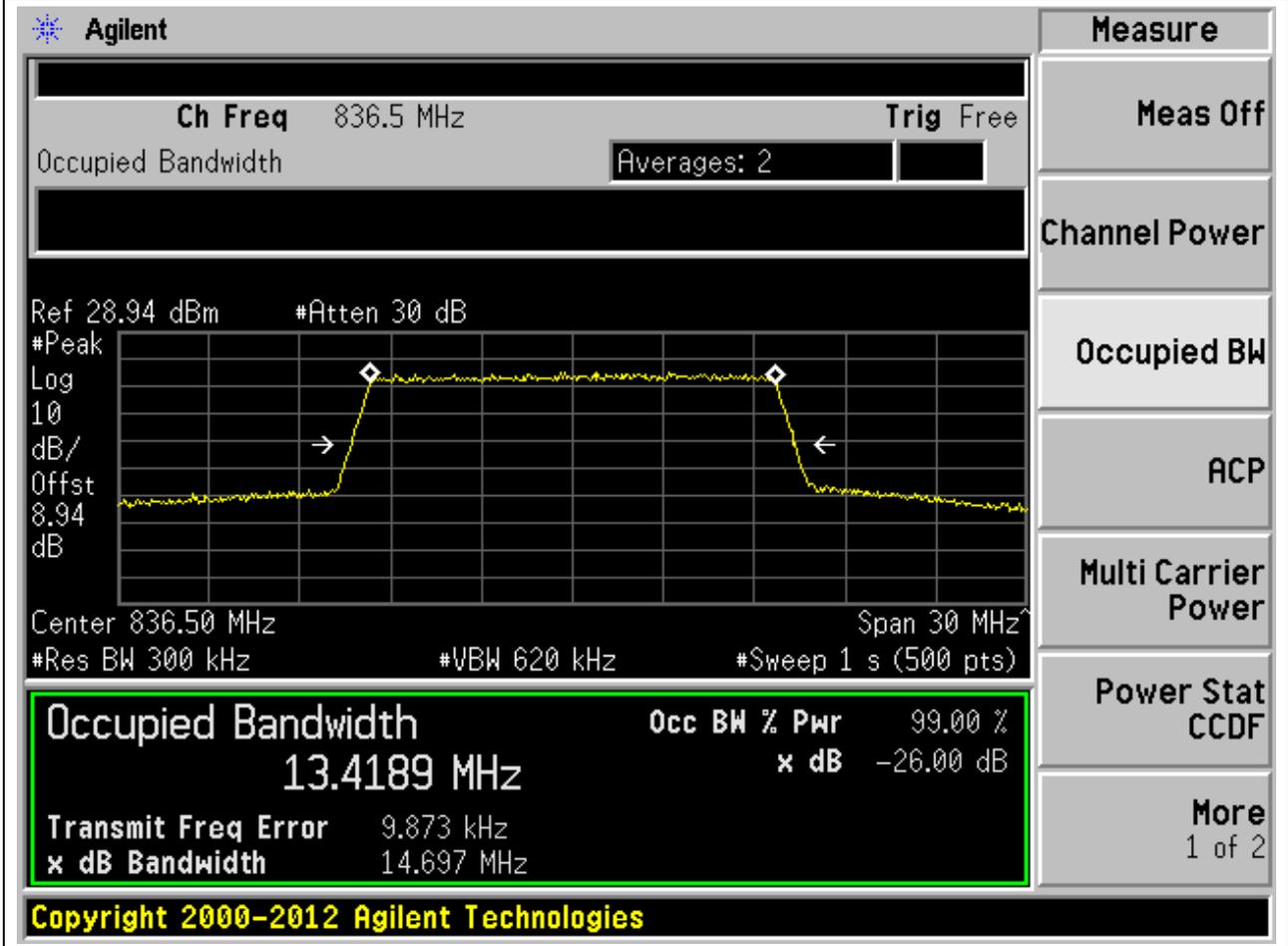
Multi Carrier Power

Power Stat CCDF

More 1 of 2

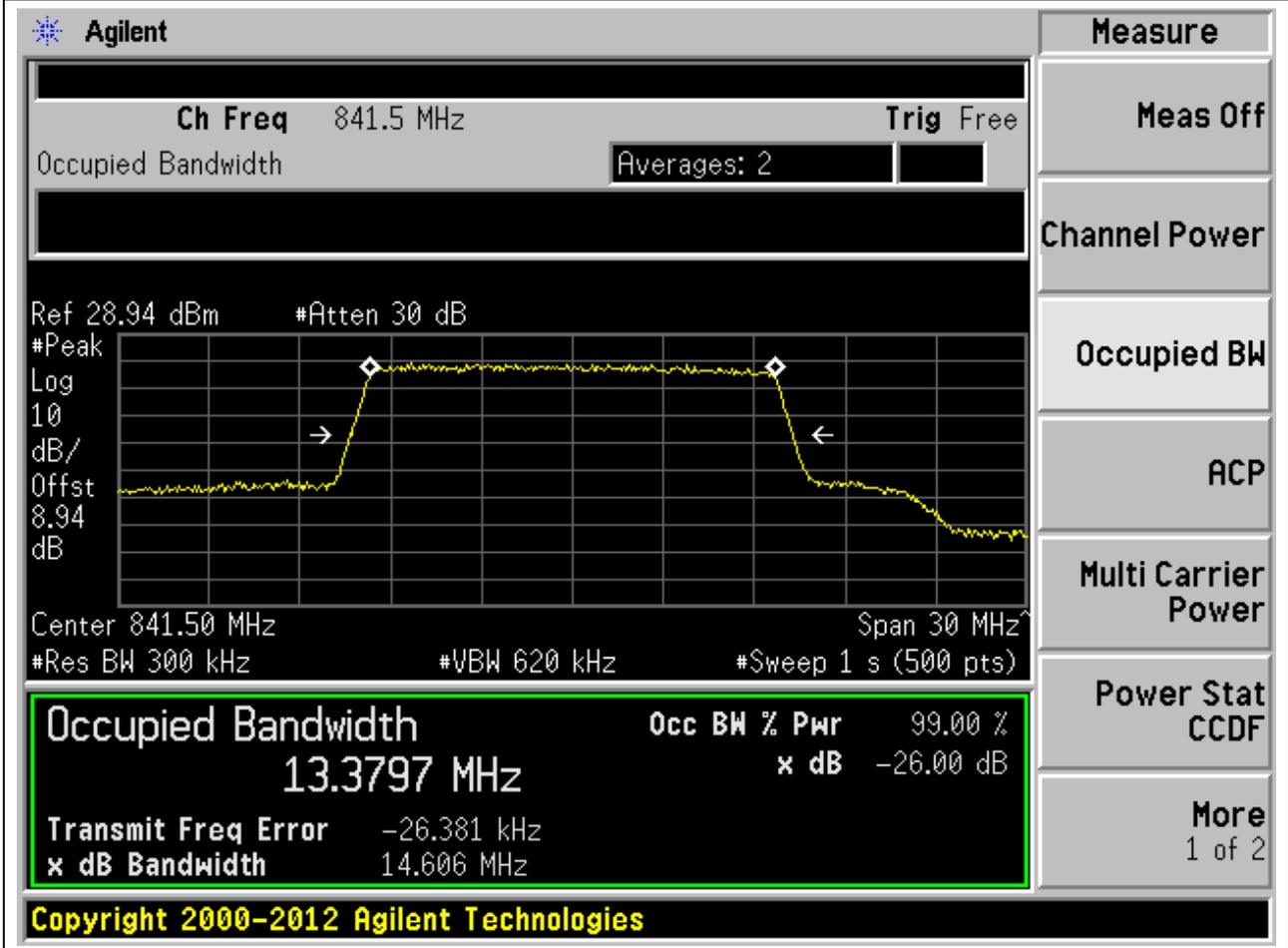
9.56. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:26915, Bandwidth:15, Modulation:256QAM, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.3	Peak	13.42	14.7	15	Pass



9.57. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:26965, Bandwidth:15, Modulation:QPSK, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
841.5	99	26	0.3	Peak	13.38	14.61	15	Pass



9.58. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:26965, Bandwidth:15, Modulation:16QAM, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
841.5	99	26	0.3	Peak	13.37	14.63	15	Pass

Agilent

Ch Freq 841.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.94 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.94 dB

Center 841.50 MHz Span 30 MHz

#Res BW 300 kHz #VBW 620 kHz #Sweep 1 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
13.3663 MHz	x dB	-26.00 dB
Transmit Freq Error		-38.205 kHz
x dB Bandwidth		14.627 MHz

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Measure

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

9.59. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:26965, Bandwidth:15, Modulation:64QAM, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
841.5	99	26	0.3	Peak	13.35	14.55	15	Pass

Agilent
Measure

Ch Freq 841.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.94 dBm #Atten 30 dB

Center 841.50 MHz Span 30 MHz

#Res BW 300 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

13.3537 MHz

Transmit Freq Error -28.576 kHz

x dB Bandwidth 14.549 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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9.60. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:26965, Bandwidth:15, Modulation:256QAM, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
841.5	99	26	0.3	Peak	13.35	14.51	15	Pass

Agilent

Measure

Ch Freq 841.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.94 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.94 dB

Center 841.50 MHz Span 30 MHz

#Res BW 300 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

13.3495 MHz

Transmit Freq Error -35.065 kHz

x dB Bandwidth 14.512 MHz

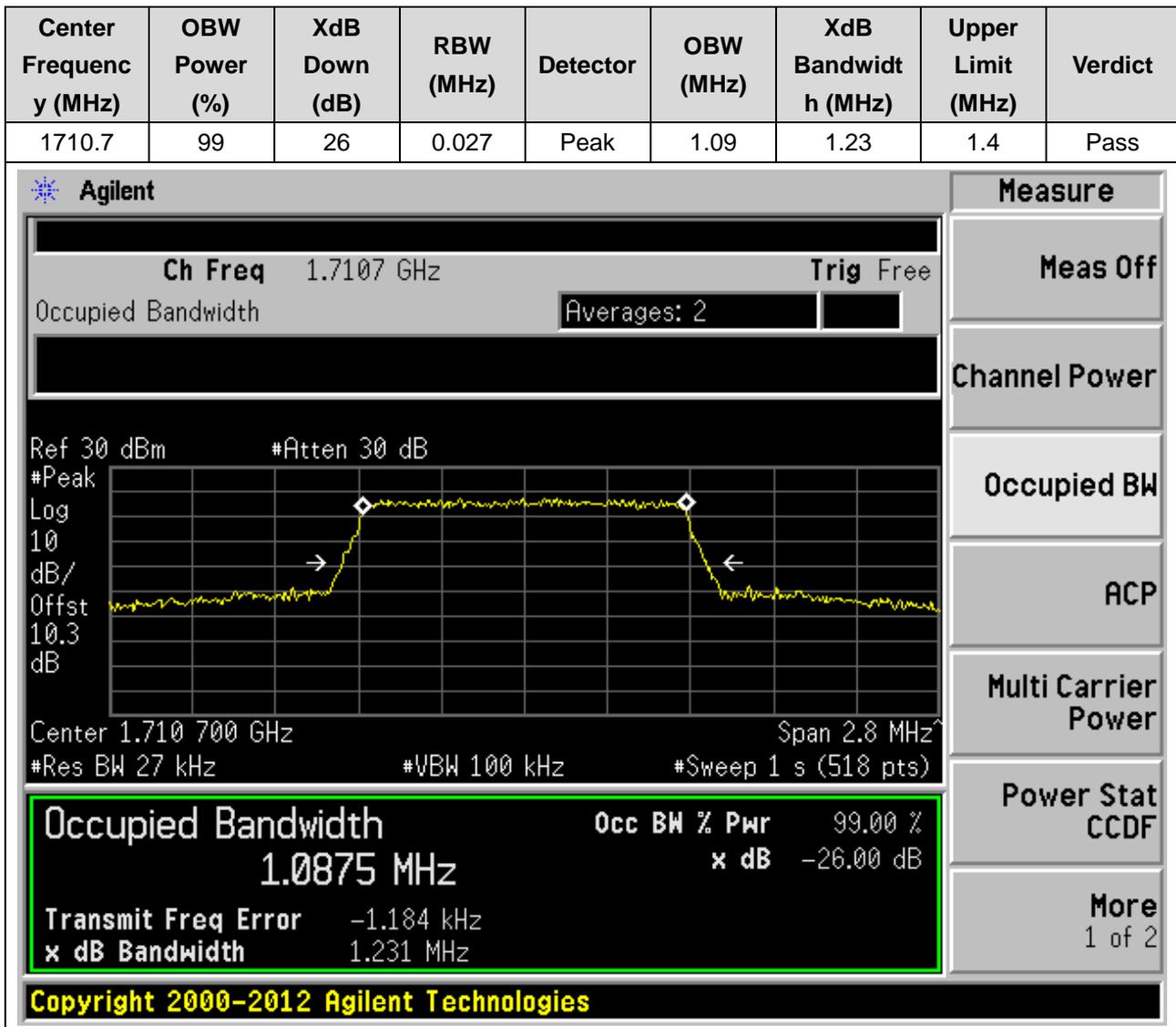
Occ BW % Pwr 99.00 %

x dB -26.00 dB

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10. LTE_Band66

10.1. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:131979, Bandwidth:1.4, Modulation:QPSK, RB Number:6, RB Position:0)



10.2. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:131979, Bandwidth:1.4, Modulation:16QAM, RB Number:6, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1710.7	99	26	0.027	Peak	1.09	1.23	1.4	Pass

Agilent

Measure

Ch Freq 1.7107 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10 dB/
Offst

10.3 dB

Center 1.710 700 GHz
Span 2.8 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
1.0868 MHz	x dB -26.00 dB
Transmit Freq Error 876.574 Hz	
x dB Bandwidth 1.226 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

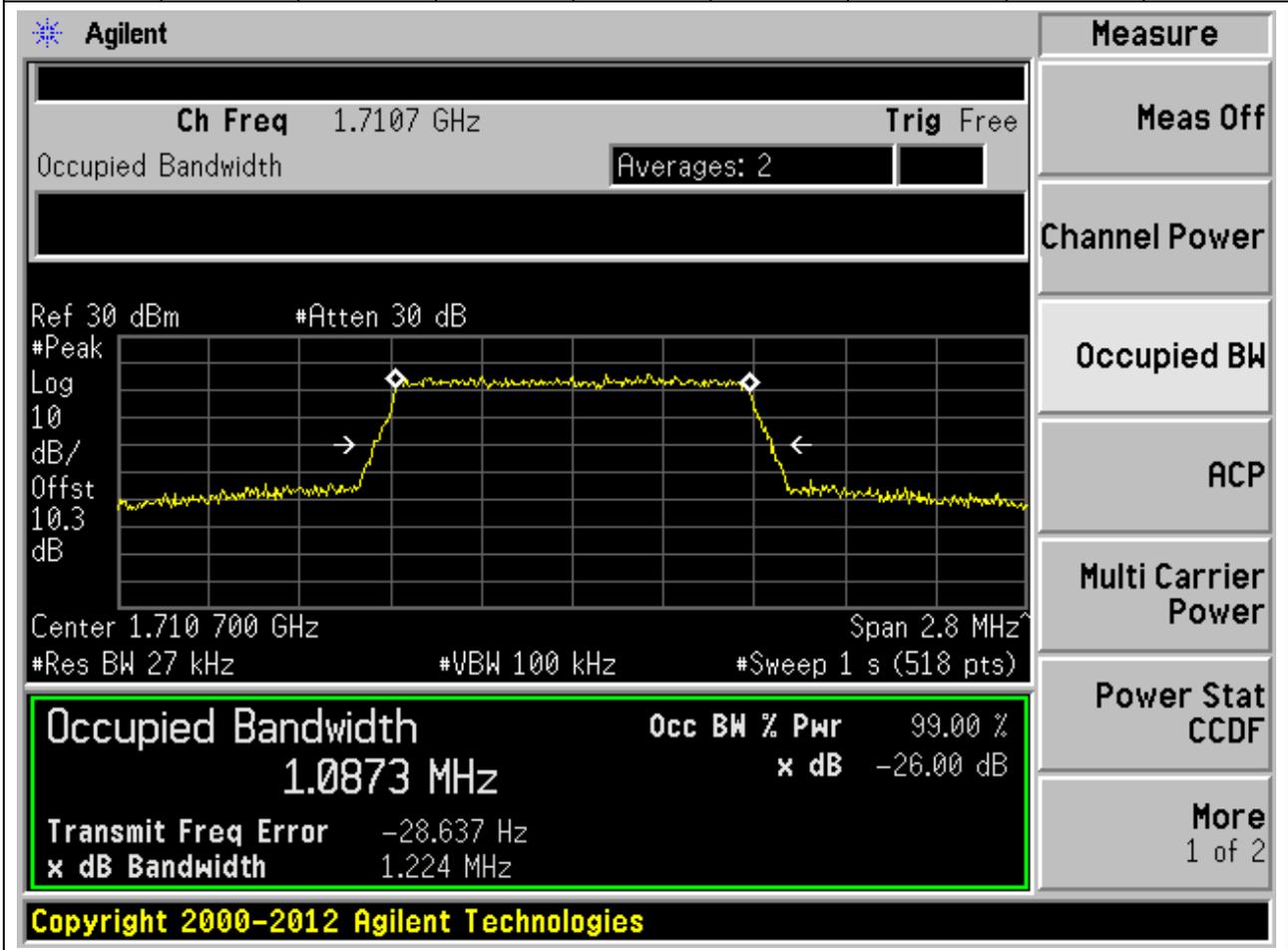
Power Stat CCDF

More
1 of 2

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10.3. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:131979, Bandwidth:1.4, Modulation:64QAM, RB Number:6, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1710.7	99	26	0.027	Peak	1.09	1.22	1.4	Pass



10.4. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:131979, Bandwidth:1.4, Modulation:256QAM, RB Number:6, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1710.7	99	26	0.027	Peak	1.08	1.22	1.4	Pass

Agilent

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

Ch Freq 1.7107 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 10.3 dB

Center 1.710 700 GHz Span 2.8 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

1.0847 MHz x dB -26.00 dB

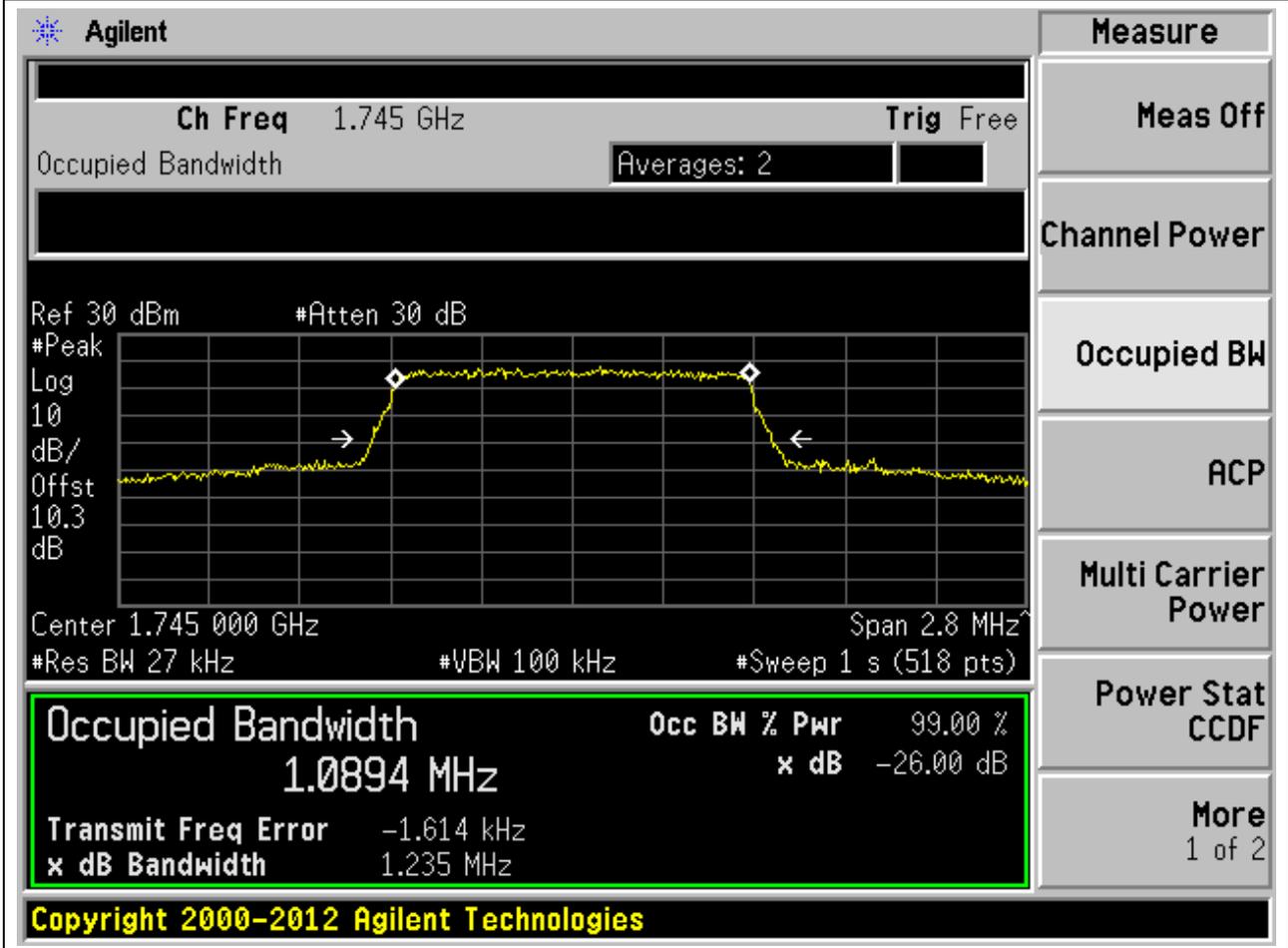
Transmit Freq Error 796.393 Hz

x dB Bandwidth 1.217 MHz

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10.5. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:132322, Bandwidth:1.4, Modulation:QPSK, RB Number:6, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.027	Peak	1.09	1.23	1.4	Pass



10.6. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:132322, Bandwidth:1.4, Modulation:16QAM, RB Number:6, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.027	Peak	1.09	1.23	1.4	Pass

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

Measurement	Value
Occupied Bandwidth	1.0869 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	2.065 kHz
x dB Bandwidth	1.225 MHz

Other visible parameters include: Ch Freq 1.745 GHz, Trig Free, Averages: 2, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 10.3 dB, Center 1.745 000 GHz, Span 2.8 MHz, #Res BW 27 kHz, #VBW 100 kHz, #Sweep 1 s (518 pts).

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10.7. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:132322, Bandwidth:1.4, Modulation:64QAM, RB Number:6, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.027	Peak	1.09	1.23	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 10.3 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 Occ BW % Pwr 99.00 %

1.0863 MHz x dB -26.00 dB

Transmit Freq Error 1.076 kHz

x dB Bandwidth 1.230 MHz

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10.8. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:132322, Bandwidth:1.4, Modulation:256QAM, RB Number:6, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.027	Peak	1.08	1.21	1.4	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 1.745 GHz' and 'Trig Free'. Below this, the 'Occupied Bandwidth' measurement is shown with 'Averages: 2'. The main display area shows a spectrum plot with a yellow trace. The plot is set to 'Ref 30 dBm', '#Atten 30 dB', and '#Peak Log'. The y-axis is labeled 'dB/Offst' with values '10.3 dB' and '10.3 dB'. The x-axis is labeled 'Center 1.745 000 GHz' and 'Span 2.8 MHz'. Below the plot, the following parameters are listed: '#Res BW 27 kHz', '#VBW 100 kHz', and '#Sweep 1 s (518 pts)'. A green box highlights the measurement results:

Occupied Bandwidth	Occ BW % Pwr	99.00 %
1.0841 MHz	x dB	-26.00 dB
Transmit Freq Error		-177.061 Hz
x dB Bandwidth		1.215 MHz

On the right side of the interface, there is a 'Measure' menu with options: 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. At the bottom, the copyright notice 'Copyright 2000-2012 Agilent Technologies' is visible.

10.9. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:132665, Bandwidth:1.4, Modulation:QPSK, RB Number:6, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1779.3	99	26	0.027	Peak	1.08	1.22	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 10.5 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	Occ BW % Pwr 99.00 %
1.0850 MHz	x dB -26.00 dB
Transmit Freq Error -1.393 kHz	
x dB Bandwidth 1.222 MHz	

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10.10. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:132665, Bandwidth:1.4, Modulation:16QAM, RB Number:6, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1779.3	99	26	0.027	Peak	1.09	1.22	1.4	Pass

Agilent

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

Ch Freq 1.7793 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 10.5 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 %
1.0868 MHz	x dB -26.00 dB
Transmit Freq Error 1.019 kHz	
x dB Bandwidth 1.221 MHz	

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10.11. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:132665, Bandwidth:1.4, Modulation:64QAM, RB Number:6, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1779.3	99	26	0.027	Peak	1.09	1.23	1.4	Pass

Agilent

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

Ch Freq 1.7793 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 10.5 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 %
1.0870 MHz	x dB -26.00 dB
Transmit Freq Error 899.823 Hz	
x dB Bandwidth 1.228 MHz	

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10.12. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:132665, Bandwidth:1.4, Modulation:256QAM, RB Number:6, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1779.3	99	26	0.027	Peak	1.08	1.22	1.4	Pass

Agilent

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

Ch Freq 1.7793 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 10.5 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 %

1.0813 MHz x dB -26.00 dB

Transmit Freq Error -579.630 Hz

x dB Bandwidth 1.222 MHz

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10.13. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:131987, Bandwidth:3, Modulation:QPSK, RB Number:15, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1711.5	99	26	0.062	Peak	2.69	2.99	3	Pass

Agilent

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

Ch Freq 1.7115 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 10.3 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 %

2.6890 MHz x dB -26.00 dB

Transmit Freq Error -3.060 kHz

x dB Bandwidth 2.987 MHz

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10.14. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:131987, Bandwidth:3, Modulation:16QAM, RB Number:15, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1711.5	99	26	0.062	Peak	2.69	3	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)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

Occupied Bandwidth

2.6901 MHz

Transmit Freq Error -379.311 Hz

x dB Bandwidth 3.002 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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10.15. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:131987, Bandwidth:3, Modulation:64QAM, RB Number:15, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1711.5	99	26	0.062	Peak	2.69	2.98	3	Pass

Agilent

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

Ch Freq 1.7115 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 10.3 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 %

2.6925 MHz x dB -26.00 dB

Transmit Freq Error 1.739 kHz

x dB Bandwidth 2.984 MHz

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10.16. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:131987, Bandwidth:3, Modulation:256QAM, RB Number:15, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1711.5	99	26	0.062	Peak	2.69	3.01	3	Pass

Agilent

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

Ch Freq 1.7115 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 10.3 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 %

2.6934 MHz x dB -26.00 dB

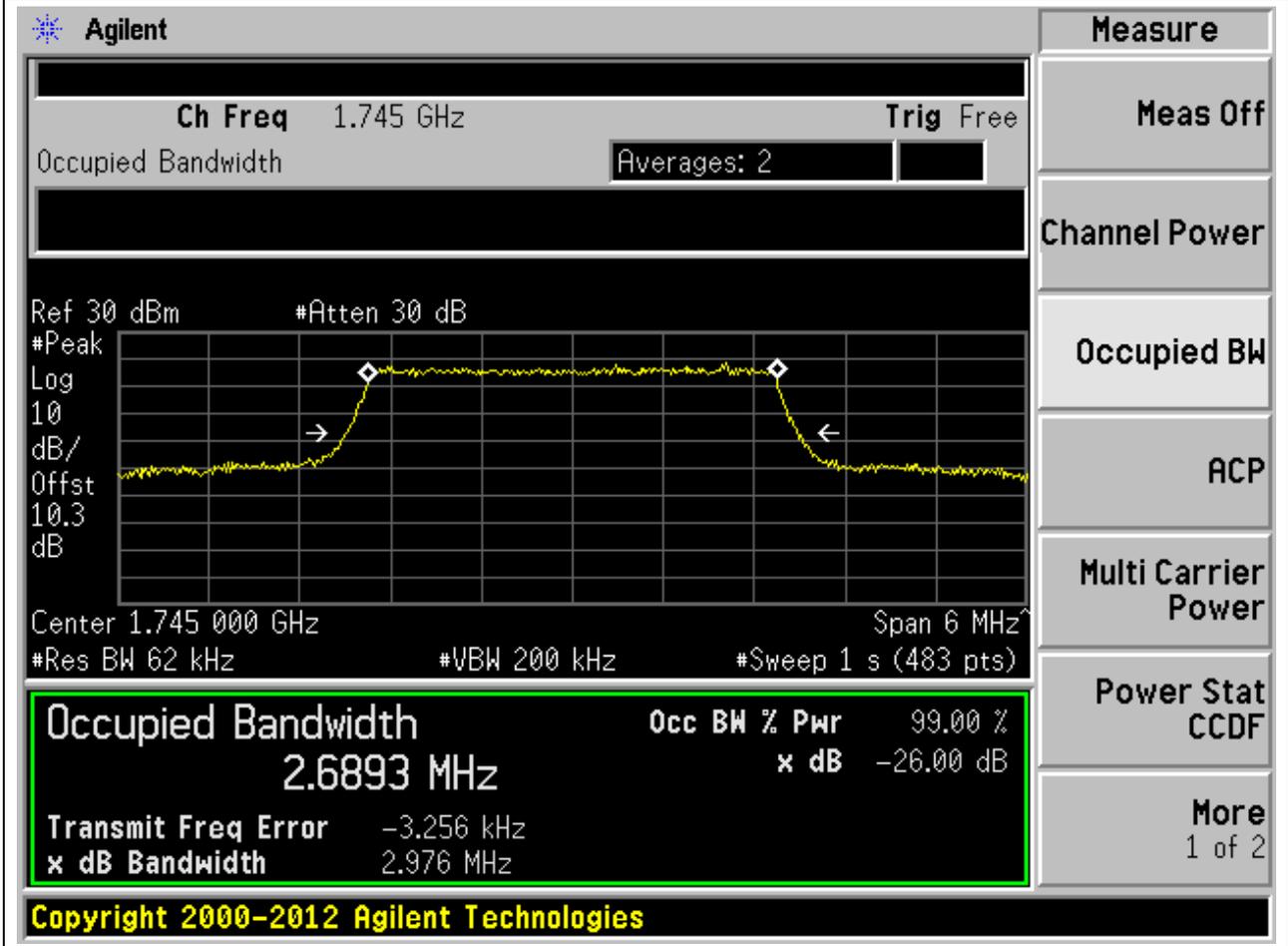
Transmit Freq Error -1.702 kHz

x dB Bandwidth 3.011 MHz

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10.17. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:132322, Bandwidth:3, Modulation:QPSK, RB Number:15, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.062	Peak	2.69	2.98	3	Pass



10.18. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:132322, Bandwidth:3, Modulation:16QAM, RB Number:15, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.062	Peak	2.69	3.01	3	Pass

Agilent

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

Ch Freq 1.745 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 10.3 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 %
2.6888 MHz	x dB -26.00 dB
Transmit Freq Error -451.684 Hz	
x dB Bandwidth 3.007 MHz	

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10.19. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:132322, Bandwidth:3, Modulation:64QAM, RB Number:15, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.062	Peak	2.69	2.98	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 10.3 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 %
2.6896 MHz	x dB -26.00 dB
Transmit Freq Error 866.803 Hz	
x dB Bandwidth 2.976 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

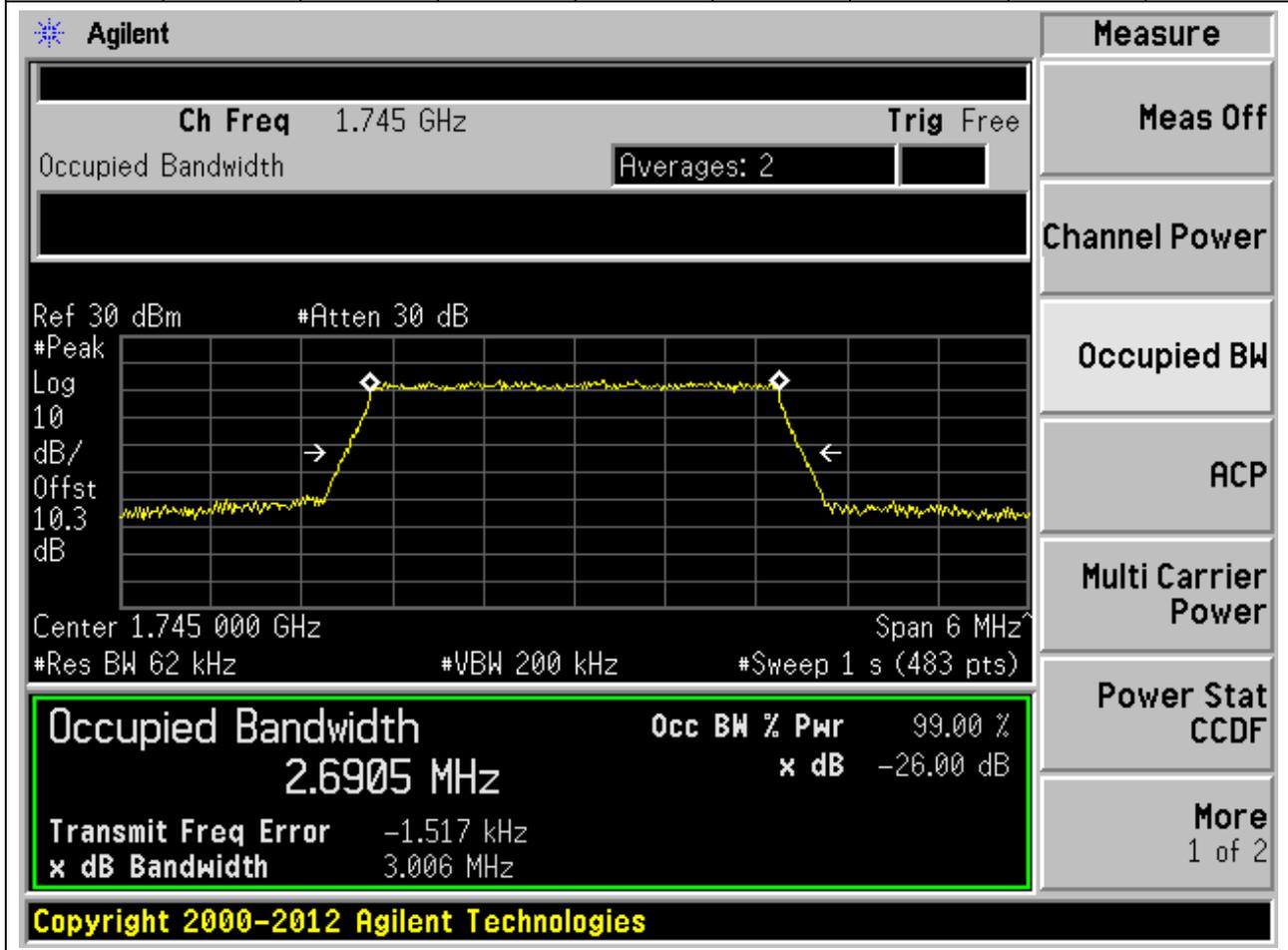
Multi Carrier Power

Power Stat CCDF

More 1 of 2

10.20. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:132322, Bandwidth:3, Modulation:256QAM, RB Number:15, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.062	Peak	2.69	3.01	3	Pass



10.21. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:132657, Bandwidth:3, Modulation:QPSK, RB Number:15, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1778.5	99	26	0.062	Peak	2.69	2.99	3	Pass

Agilent

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

Ch Freq 1.7785 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.5 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 %

2.6879 MHz x dB -26.00 dB

Transmit Freq Error -2.600 kHz

x dB Bandwidth 2.991 MHz

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10.22. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:132657, Bandwidth:3, Modulation:16QAM, RB Number:15, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1778.5	99	26	0.062	Peak	2.69	3	3	Pass

Agilent

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

Ch Freq 1.7785 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 10.5 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 %
2.6901 MHz	x dB -26.00 dB
Transmit Freq Error -1.206 kHz	
x dB Bandwidth 3.003 MHz	

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10.23. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:132657, Bandwidth:3, Modulation:64QAM, RB Number:15, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1778.5	99	26	0.062	Peak	2.69	2.98	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 10.5 dB

Center 1.778 500 GHz Span 6 MHz

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

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

Occupied Bandwidth

2.6935 MHz

Transmit Freq Error -16.514 Hz

x dB Bandwidth 2.975 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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10.24. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:132657, Bandwidth:3, Modulation:256QAM, RB Number:15, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1778.5	99	26	0.062	Peak	2.69	3	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)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

Occupied Bandwidth Occ BW % Pwr 99.00 %

2.6905 MHz x dB -26.00 dB

Transmit Freq Error -1.306 kHz

x dB Bandwidth 3.001 MHz

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10.25. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:131997, Bandwidth:5, Modulation:QPSK, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1712.5	99	26	0.1	Peak	4.49	5	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 10.3 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 %
4.4916 MHz	x dB -26.00 dB
Transmit Freq Error -6.234 kHz	
x dB Bandwidth 5.000 MHz	

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10.26. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:131997, Bandwidth:5, Modulation:16QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1712.5	99	26	0.1	Peak	4.48	4.96	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 10.3 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 %
4.4799 MHz	x dB -26.00 dB
Transmit Freq Error 87.293 Hz	
x dB Bandwidth 4.957 MHz	

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10.27. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:131997, Bandwidth:5, Modulation:64QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1712.5	99	26	0.1	Peak	4.5	4.94	5	Pass

Agilent
Measure

Ch Freq 1.7125 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 10.3 dB

Center 1.712 500 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
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Occupied Bandwidth

4.4955 MHz

Transmit Freq Error -8.319 kHz

x dB Bandwidth 4.943 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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10.28. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:131997, Bandwidth:5, Modulation:256QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1712.5	99	26	0.1	Peak	4.48	4.93	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 10.3 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 %

4.4793 MHz x dB -26.00 dB

Transmit Freq Error -5.672 kHz

x dB Bandwidth 4.929 MHz

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10.29. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:132322, Bandwidth:5, Modulation:QPSK, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.1	Peak	4.49	4.99	5	Pass

Agilent

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

Ch Freq 1.745 GHz
Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 10.3 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 %
4.4857 MHz	x dB -26.00 dB
Transmit Freq Error -4.370 kHz	
x dB Bandwidth 4.989 MHz	

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10.30. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:132322, Bandwidth:5, Modulation:16QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.1	Peak	4.49	4.99	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 10.3 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 %
4.4861 MHz	x dB -26.00 dB
Transmit Freq Error -1.950 kHz	
x dB Bandwidth 4.990 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

10.31. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:132322, Bandwidth:5, Modulation:64QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.1	Peak	4.5	4.94	5	Pass

Agilent

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

Ch Freq 1.745 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 10.3 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 %
4.4964 MHz	x dB	-26.00 dB
Transmit Freq Error	-6.934 kHz	
x dB Bandwidth	4.943 MHz	

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10.32. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:132322, Bandwidth:5, Modulation:256QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.1	Peak	4.48	4.91	5	Pass

Agilent

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

Ch Freq 1.745 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 10.3 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 %

4.4791 MHz x dB -26.00 dB

Transmit Freq Error -6.559 kHz

x dB Bandwidth 4.914 MHz

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10.33. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:132647, Bandwidth:5, Modulation:QPSK, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1777.5	99	26	0.1	Peak	4.49	4.99	5	Pass

Agilent

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

Ch Freq 1.7775 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.5 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 %
4.4930 MHz	x dB -26.00 dB
Transmit Freq Error -7.088 kHz	
x dB Bandwidth 4.992 MHz	

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10.34. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:132647, Bandwidth:5, Modulation:16QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1777.5	99	26	0.1	Peak	4.49	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 1.7775 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 10.5 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 %
4.4851 MHz	x dB -26.00 dB
Transmit Freq Error 2.430 kHz	
x dB Bandwidth 4.966 MHz	

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10.35. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:132647, Bandwidth:5, Modulation:64QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1777.5	99	26	0.1	Peak	4.49	4.95	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

10.5 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 %
4.4949 MHz	x dB -26.00 dB
Transmit Freq Error -8.679 kHz	
x dB Bandwidth 4.952 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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10.36. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:132647, Bandwidth:5, Modulation:256QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1777.5	99	26	0.1	Peak	4.48	4.92	5	Pass

Agilent

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

Ch Freq 1.7775 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 10.5 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 %
4.4817 MHz	x dB -26.00 dB
Transmit Freq Error -5.299 kHz	
x dB Bandwidth 4.922 MHz	

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10.37. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:132022, Bandwidth:10, Modulation:QPSK, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1715	99	26	0.2	Peak	8.99	9.79	10	Pass

Agilent

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

Ch Freq 1.715 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 10.3 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 %
8.9851 MHz	x dB -26.00 dB
Transmit Freq Error -7.159 kHz	
x dB Bandwidth 9.788 MHz	

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10.38. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:132022, Bandwidth:10, Modulation:16QAM, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1715	99	26	0.2	Peak	8.94	9.77	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
10.3

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 %
8.9445 MHz	x dB -26.00 dB
Transmit Freq Error -2.352 kHz	
x dB Bandwidth 9.769 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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10.39. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:132022, Bandwidth:10, Modulation:64QAM, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1715	99	26	0.2	Peak	8.98	9.82	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 10.3 dB

Center 1.715 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

8.9791 MHz

Transmit Freq Error -13.701 kHz

x dB Bandwidth 9.823 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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10.40. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:132022, Bandwidth:10, Modulation:256QAM, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1715	99	26	0.2	Peak	8.96	9.77	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 10.3 dB

Center 1.715 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

8.9618 MHz

Transmit Freq Error -12.550 kHz

x dB Bandwidth 9.770 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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10.41. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:132322, Bandwidth:10, Modulation:QPSK, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.2	Peak	8.98	9.79	10	Pass

Agilent

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

Ch Freq 1.745 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 10.3 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 %
8.9800 MHz	x dB -26.00 dB
Transmit Freq Error -8.290 kHz	
x dB Bandwidth 9.785 MHz	

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10.42. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:132322, Bandwidth:10, Modulation:16QAM, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.2	Peak	8.95	9.78	10	Pass

Agilent

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

Ch Freq 1.745 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 10.3 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 %
8.9479 MHz	x dB	-26.00 dB
Transmit Freq Error	-1.816 kHz	
x dB Bandwidth	9.779 MHz	

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10.43. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:132322, Bandwidth:10, Modulation:64QAM, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.2	Peak	8.98	9.82	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

10.3

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 %
8.9776 MHz	x dB -26.00 dB
Transmit Freq Error -7.260 kHz	
x dB Bandwidth 9.817 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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10.44. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:132322, Bandwidth:10, Modulation:256QAM, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.2	Peak	8.96	9.75	10	Pass

Agilent

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

Ch Freq 1.745 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 10.3 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 %

8.9574 MHz x dB -26.00 dB

Transmit Freq Error -11.694 kHz

x dB Bandwidth 9.753 MHz

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10.45. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:132622, Bandwidth:10, Modulation:QPSK, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1775	99	26	0.2	Peak	8.99	9.78	10	Pass

Agilent

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

Ch Freq 1.775 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.4 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 %
8.9882 MHz	x dB -26.00 dB
Transmit Freq Error -8.028 kHz	
x dB Bandwidth 9.782 MHz	

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10.46. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:132622, Bandwidth:10, Modulation:16QAM, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1775	99	26	0.2	Peak	8.95	9.76	10	Pass

Agilent

Ch Freq 1.775 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 10.4 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 %
8.9472 MHz	x dB	-26.00 dB
Transmit Freq Error		-1.046 kHz
x dB Bandwidth		9.763 MHz

Measure

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

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10.47. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:132622, Bandwidth:10, Modulation:64QAM, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1775	99	26	0.2	Peak	8.96	9.85	10	Pass

Agilent

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

Ch Freq 1.775 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 10.4 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 %
8.9646 MHz	x dB -26.00 dB
Transmit Freq Error -5.914 kHz	
x dB Bandwidth 9.849 MHz	

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10.48. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:132622, Bandwidth:10, Modulation:256QAM, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1775	99	26	0.2	Peak	8.96	9.8	10	Pass

Agilent

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

Ch Freq 1.775 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 10.4 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 %
8.9619 MHz	x dB -26.00 dB
Transmit Freq Error -19.691 kHz	
x dB Bandwidth 9.804 MHz	

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10.49. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:132047, Bandwidth:15, Modulation:QPSK, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1717.5	99	26	0.3	Peak	13.47	14.65	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 10.3 dB

Center 1.717 50 GHz Span 30 MHz

#Res BW 300 kHz #VBW 620 kHz #Sweep 1 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
13.4683 MHz	x dB -26.00 dB
Transmit Freq Error 2.577 kHz	
x dB Bandwidth 14.652 MHz	

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10.50. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:132047, Bandwidth:15, Modulation:16QAM, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1717.5	99	26	0.3	Peak	13.43	14.7	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

10.3 dB

Center 1.717 50 GHz
Span 30 MHz

#Res BW 300 kHz
#VBW 620 kHz
#Sweep 1 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
13.4347 MHz	x dB -26.00 dB
Transmit Freq Error -19.607 kHz	
x dB Bandwidth 14.705 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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10.51. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:132047, Bandwidth:15, Modulation:64QAM, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1717.5	99	26	0.3	Peak	13.44	14.71	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

10.3 dB

Center 1.717 50 GHz
Span 30 MHz

#Res BW 300 kHz
#VBW 620 kHz
#Sweep 1 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
13.4372 MHz	x dB -26.00 dB
Transmit Freq Error -9.423 kHz	
x dB Bandwidth 14.710 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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10.52. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:132047, Bandwidth:15, Modulation:256QAM, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1717.5	99	26	0.3	Peak	13.45	14.66	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 10.3 dB

Center 1.717 50 GHz Span 30 MHz

#Res BW 300 kHz #VBW 620 kHz #Sweep 1 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
13.4531 MHz	x dB -26.00 dB
Transmit Freq Error -21.656 kHz	
x dB Bandwidth 14.661 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

10.53. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:132322, Bandwidth:15, Modulation:QPSK, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.3	Peak	13.46	14.65	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 10.3 dB

Center 1.745 00 GHz Span 30 MHz

#Res BW 300 kHz #VBW 620 kHz #Sweep 1 s (500 pts)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

Occupied Bandwidth Occ BW % Pwr 99.00 %

13.4561 MHz x dB -26.00 dB

Transmit Freq Error -8.427 kHz

x dB Bandwidth 14.652 MHz

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10.54. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:132322, Bandwidth:15, Modulation:16QAM, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.3	Peak	13.46	14.76	15	Pass

Agilent
Measure

Ch Freq 1.745 GHz Trig Free

Occupied Bandwidth Averages: 2

Center 1.745 00 GHz Span 30 MHz

#Res BW 300 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

13.4612 MHz

Transmit Freq Error -16.032 kHz

x dB Bandwidth 14.762 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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10.55. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:132322, Bandwidth:15, Modulation:64QAM, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.3	Peak	13.43	14.71	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 10.3 dB

Center 1.745 00 GHz Span 30 MHz

#Res BW 300 kHz #VBW 620 kHz #Sweep 1 s (500 pts)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

Occupied Bandwidth Occ BW % Pwr 99.00 %

13.4333 MHz x dB -26.00 dB

Transmit Freq Error -8.699 kHz

x dB Bandwidth 14.708 MHz

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10.56. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:132322, Bandwidth:15, Modulation:256QAM, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.3	Peak	13.44	14.64	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

Occupied Bandwidth

13.4354 MHz

Transmit Freq Error -15.439 kHz

x dB Bandwidth 14.643 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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10.57. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:132597, Bandwidth:15, Modulation:QPSK, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1772.5	99	26	0.3	Peak	13.44	14.64	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 10.4 dB

Center 1.772 50 GHz Span 30 MHz

#Res BW 300 kHz #VBW 620 kHz #Sweep 1 s (500 pts)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

Occupied Bandwidth	Occ BW % Pwr 99.00 %
13.4374 MHz	x dB -26.00 dB
Transmit Freq Error 15.006 kHz	
x dB Bandwidth 14.643 MHz	

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10.58. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:132597, Bandwidth:15, Modulation:16QAM, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1772.5	99	26	0.3	Peak	13.43	14.67	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

10.4 dB

Center 1.772 50 GHz
Span 30 MHz

#Res BW 300 kHz
#VBW 620 kHz
#Sweep 1 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
13.4331 MHz	x dB -26.00 dB
Transmit Freq Error -6.892 kHz	
x dB Bandwidth 14.666 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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10.59. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:132597, Bandwidth:15, Modulation:64QAM, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1772.5	99	26	0.3	Peak	13.4	14.73	15	Pass

Agilent
Measure

Ch Freq 1.7725 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 1.772 50 GHz Span 30 MHz

#Res BW 300 kHz #VBW 620 kHz #Sweep 1 s (500 pts)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

Occupied Bandwidth	Occ BW % Pwr 99.00 %
13.3982 MHz	x dB -26.00 dB
Transmit Freq Error -6.754 kHz	
x dB Bandwidth 14.729 MHz	

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10.60. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:132597, Bandwidth:15, Modulation:256QAM, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1772.5	99	26	0.3	Peak	13.42	14.71	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

10.4 dB

Center 1.772 50 GHz
Span 30 MHz

#Res BW 300 kHz
#VBW 620 kHz
#Sweep 1 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
13.4239 MHz	x dB -26.00 dB
Transmit Freq Error -6.996 kHz	
x dB Bandwidth 14.706 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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10.61. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:132072, Bandwidth:20, Modulation:QPSK, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1720	99	26	0.39	Peak	17.95	19.54	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

10.3 dB

Center 1.720 00 GHz
Span 40 MHz

#Res BW 390 kHz
#VBW 620 kHz
#Sweep 1 s (512 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
17.9476 MHz	x dB -26.00 dB
Transmit Freq Error 2.894 kHz	
x dB Bandwidth 19.537 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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10.62. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:132072, Bandwidth:20, Modulation:16QAM, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1720	99	26	0.39	Peak	17.98	19.49	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 10.3 dB

Center 1.720 00 GHz Span 40 MHz

#Res BW 390 kHz #VBW 620 kHz #Sweep 1 s (512 pts)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

Occupied Bandwidth

17.9818 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -20.554 kHz

x dB Bandwidth 19.488 MHz

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10.63. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:132072, Bandwidth:20, Modulation:64QAM, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1720	99	26	0.39	Peak	17.94	19.48	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 10.3 dB

Center 1.720 00 GHz Span 40 MHz

#Res BW 390 kHz #VBW 620 kHz #Sweep 1 s (512 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
17.9445 MHz	x dB -26.00 dB
Transmit Freq Error -1.735 kHz	
x dB Bandwidth 19.476 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

10.64. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:132072, Bandwidth:20, Modulation:256QAM, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1720	99	26	0.39	Peak	17.93	19.55	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 1.72 GHz' and 'Trig Free'. The main display area shows a spectrum plot with a yellow trace. The plot has a grid and is labeled with 'Ref 30 dBm', '#Atten 30 dB', '#Peak', 'Log', '10 dB/Offst', and '10.3 dB'. The plot shows a signal with a peak at approximately 1.72 GHz. Below the plot, the following parameters are displayed: 'Center 1.720 00 GHz', 'Span 40 MHz', '#Res BW 390 kHz', '#VBW 620 kHz', and '#Sweep 1 s (512 pts)'. A green box highlights the 'Occupied Bandwidth' measurement results: 'Occupied Bandwidth 17.9272 MHz', 'Occ BW % Pwr 99.00 %', 'x dB -26.00 dB', 'Transmit Freq Error -17.008 kHz', and 'x dB Bandwidth 19.551 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.

10.65. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:132322, Bandwidth:20, Modulation:QPSK, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.39	Peak	17.93	19.45	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 10.3 dB

Center 1.745 00 GHz Span 40 MHz

#Res BW 390 kHz #VBW 620 kHz #Sweep 1 s (512 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 %
17.9261 MHz	x dB -26.00 dB
Transmit Freq Error -5.094 kHz	
x dB Bandwidth 19.445 MHz	

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10.66. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:132322, Bandwidth:20, Modulation:16QAM, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.39	Peak	17.91	19.49	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

10.3 dB

Center 1.745 00 GHz
Span 40 MHz

#Res BW 390 kHz
#VBW 620 kHz
#Sweep 1 s (512 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
17.9132 MHz	x dB -26.00 dB
Transmit Freq Error -6.261 kHz	
x dB Bandwidth 19.490 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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10.67. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:132322, Bandwidth:20, Modulation:64QAM, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.39	Peak	17.93	19.53	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 10.3 dB

Center 1.745 00 GHz Span 40 MHz

#Res BW 390 kHz #VBW 620 kHz #Sweep 1 s (512 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
17.9303 MHz	x dB -26.00 dB
Transmit Freq Error -4.932 kHz	
x dB Bandwidth 19.529 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

10.68. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:132322, Bandwidth:20, Modulation:256QAM, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.39	Peak	17.87	19.33	20	Pass

Agilent

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

Ch Freq 1.745 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 10.3 dB

Center 1.745 00 GHz Span 40 MHz

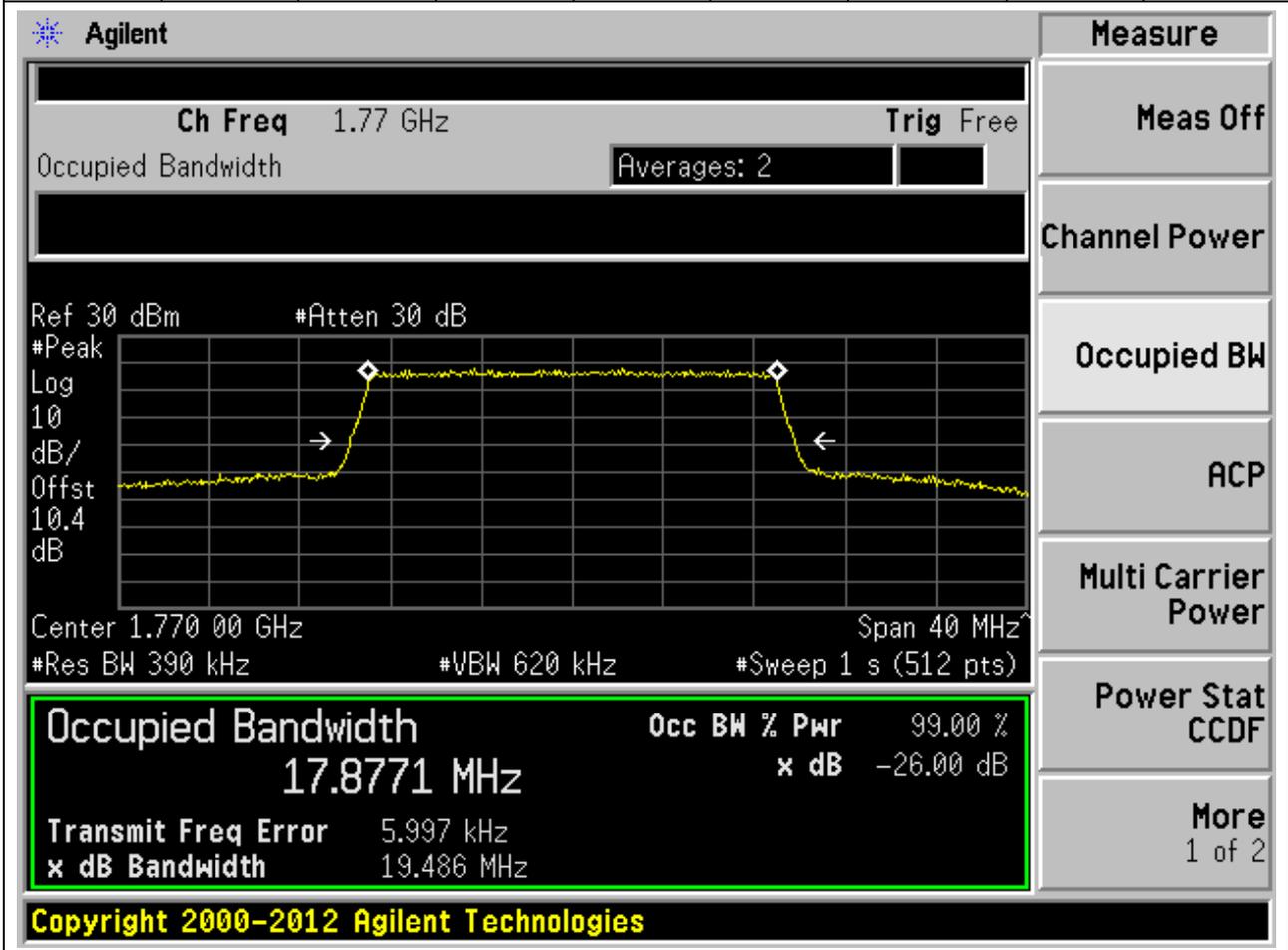
#Res BW 390 kHz #VBW 620 kHz #Sweep 1 s (512 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
17.8718 MHz	x dB -26.00 dB
Transmit Freq Error -18.722 kHz	
x dB Bandwidth 19.326 MHz	

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10.69. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:132572, Bandwidth:20, Modulation:QPSK, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1770	99	26	0.39	Peak	17.88	19.49	20	Pass



10.70. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:132572, Bandwidth:20, Modulation:16QAM, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1770	99	26	0.39	Peak	17.91	19.48	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

10.4 dB

Center 1.770 00 GHz
Span 40 MHz

#Res BW 390 kHz
#VBW 620 kHz
#Sweep 1 s (512 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
17.9056 MHz	x dB -26.00 dB
Transmit Freq Error 667.547 Hz	
x dB Bandwidth 19.485 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

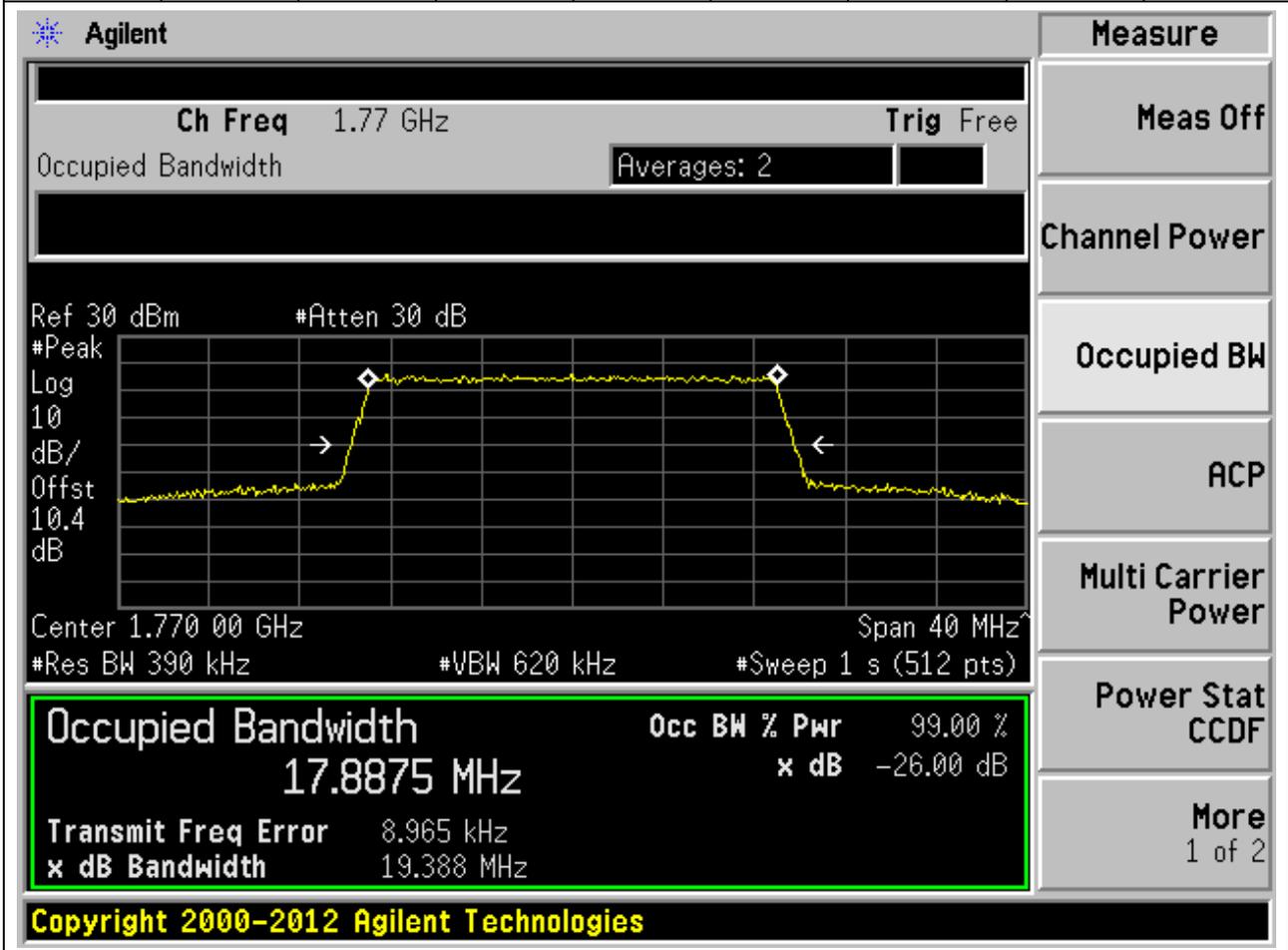
Power Stat CCDF

More
1 of 2

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10.71. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:132572, Bandwidth:20, Modulation:64QAM, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1770	99	26	0.39	Peak	17.89	19.39	20	Pass



10.72. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:132572, Bandwidth:20, Modulation:256QAM, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1770	99	26	0.39	Peak	17.88	19.33	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

10.4 dB

Center 1.770 00 GHz
Span 40 MHz

#Res BW 390 kHz
#VBW 620 kHz
#Sweep 1 s (512 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
17.8807 MHz	x dB -26.00 dB
Transmit Freq Error -17.074 kHz	
x dB Bandwidth 19.334 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

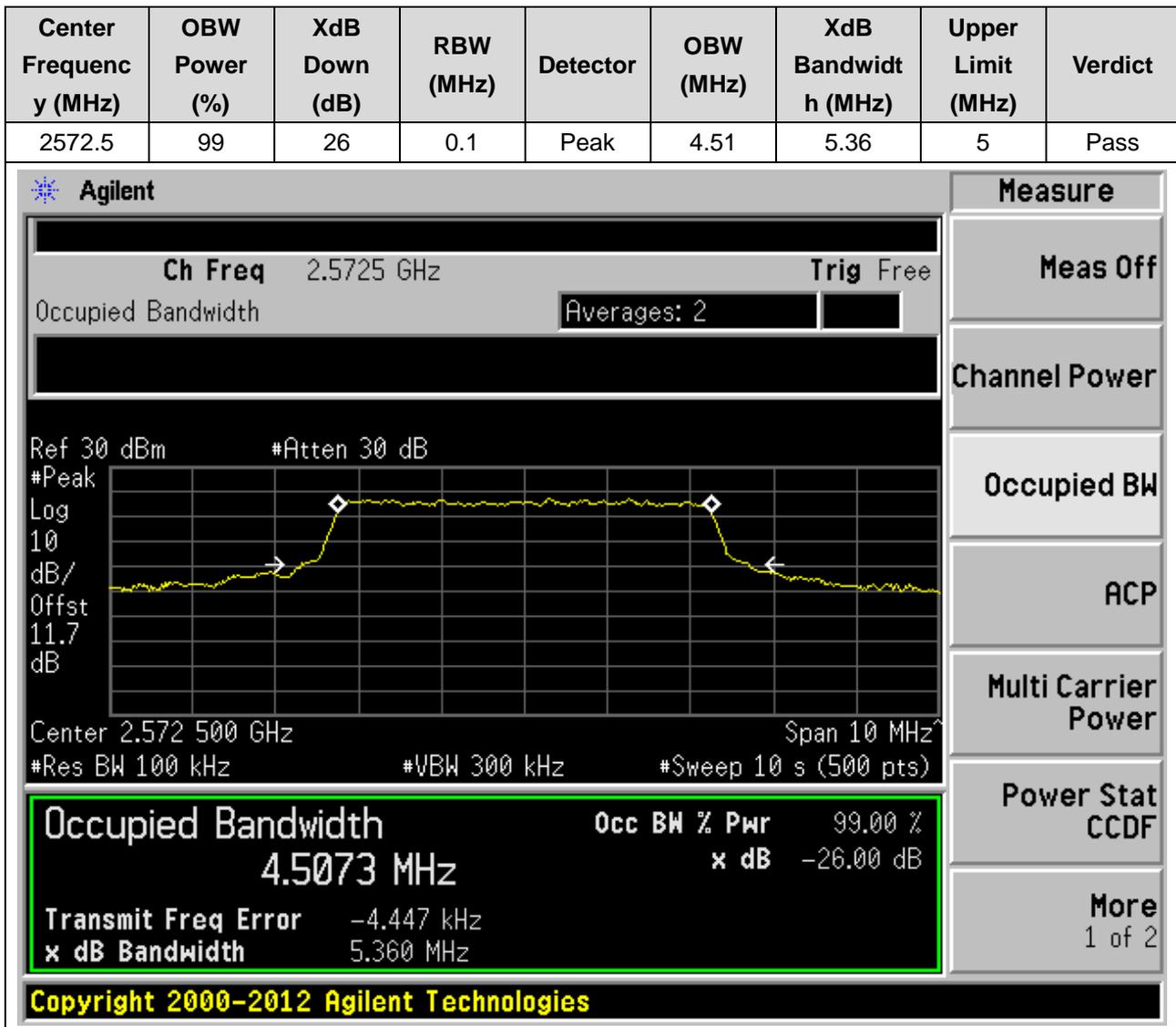
Power Stat CCDF

More
1 of 2

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11. LTE_Band38

11.1. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:37775, Bandwidth:5, Modulation:QPSK, RB Number:25, RB Position:0)



11.2. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:37775, Bandwidth:5, Modulation:16QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2572.5	99	26	0.1	Peak	4.5	5.07	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is 2.5725 GHz. The main display shows a spectrum plot with a yellow trace representing the signal. The plot is set to a center frequency of 2.5725 GHz and a span of 10 MHz. The resolution bandwidth (RBW) is 100 kHz, and the video bandwidth (VBW) is 300 kHz. The sweep time is 10 seconds. The plot shows a signal with a peak level of approximately -26 dB. The occupied bandwidth is measured as 4.4997 MHz, which is 99.00% of the total bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -2.099 kHz, and the XdB bandwidth is 5.070 MHz. The interface includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.4997 MHz	x dB	-26.00 dB
Transmit Freq Error		-2.099 kHz
x dB Bandwidth		5.070 MHz

11.3. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:37775, Bandwidth:5, Modulation:64QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2572.5	99	26	0.1	Peak	4.5	4.96	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is 2.5725 GHz. The main display shows a spectrum plot with a yellow trace. The plot parameters are: Center 2.572 500 GHz, Span 10 MHz, Res BW 100 kHz, VBW 300 kHz, Sweep 10 s (500 pts). The plot shows a signal with a peak level of approximately -26 dB. The Occupied Bandwidth (OBW) is measured as 4.5025 MHz, with an OBW Power of 99.00% and an XdB Bandwidth of 4.957 MHz. The XdB Down is 26 dB. The detector is set to Peak. The upper limit is 5 MHz. The verdict is Pass.

Occupied Bandwidth	Occ BW % Pwr	x dB
4.5025 MHz	99.00 %	-26.00 dB

Other parameters shown in the screenshot include: Ch Freq 2.5725 GHz, Trig Free, Averages: 2, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 11.7 dB, Transmit Freq Error -3.589 kHz, x dB Bandwidth 4.957 MHz.

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11.4. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:37775, Bandwidth:5, Modulation:256QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2572.5	99	26	0.1	Peak	4.5	5.23	5	Pass

Agilent

Measure

Ch Freq 2.5725 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10 dB/
Offst

11.7 dB

Center 2.572 500 GHz
Span 10 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
4.5040 MHz	x dB -26.00 dB
Transmit Freq Error -3.222 kHz	
x dB Bandwidth 5.226 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

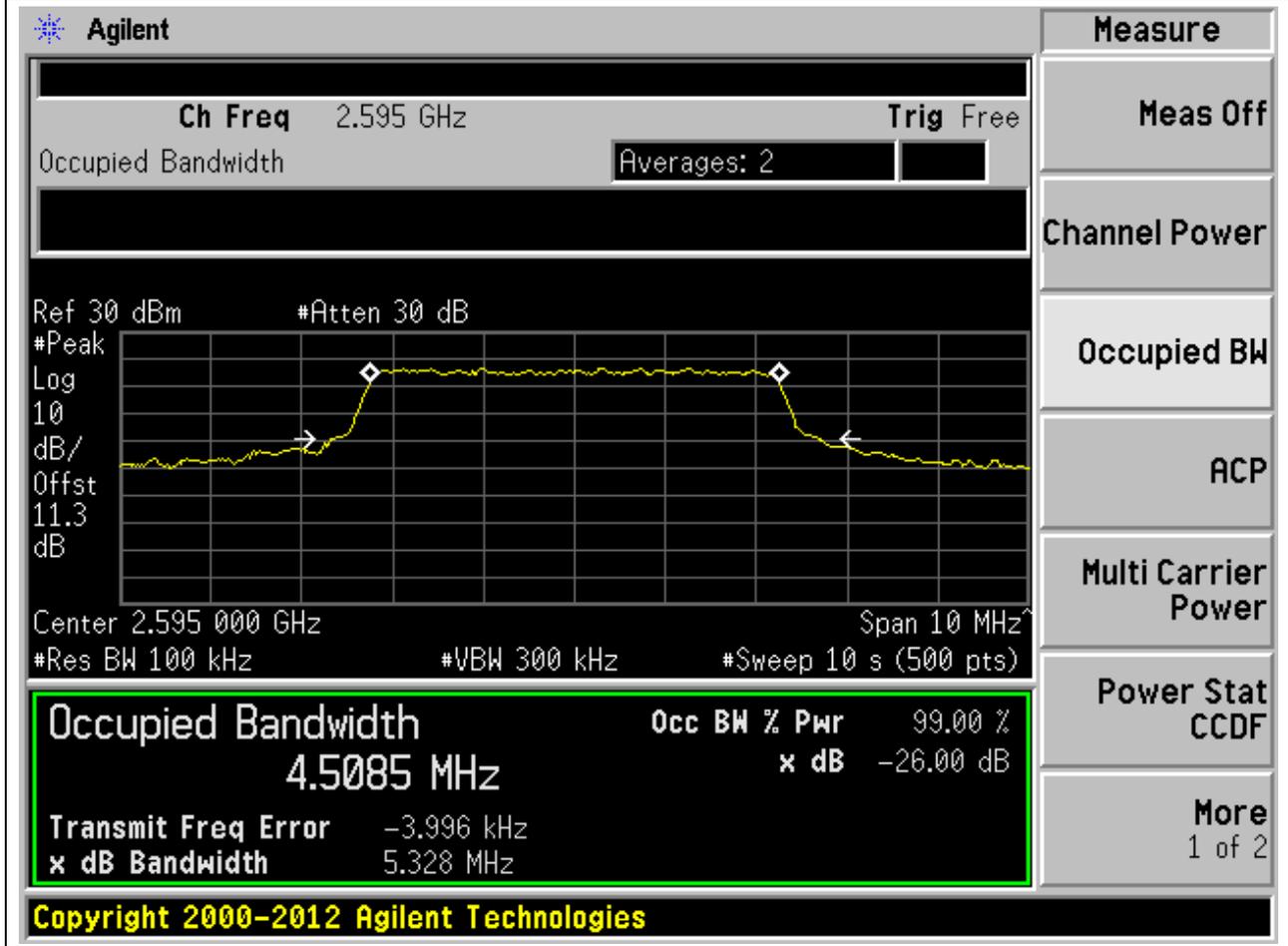
Power Stat CCDF

More
1 of 2

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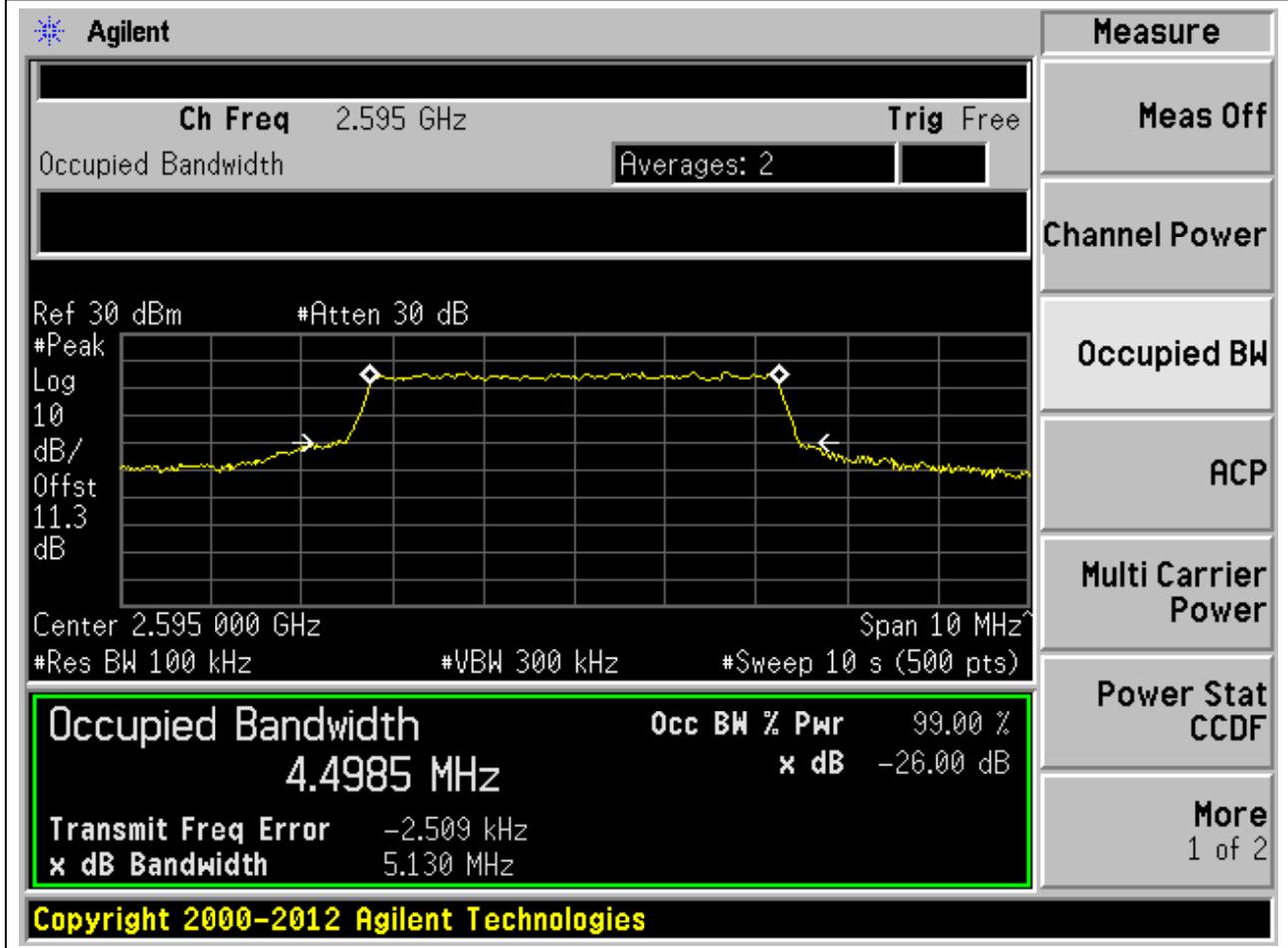
11.5. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:38000, Bandwidth:5, Modulation:QPSK, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2595	99	26	0.1	Peak	4.51	5.33	5	Pass



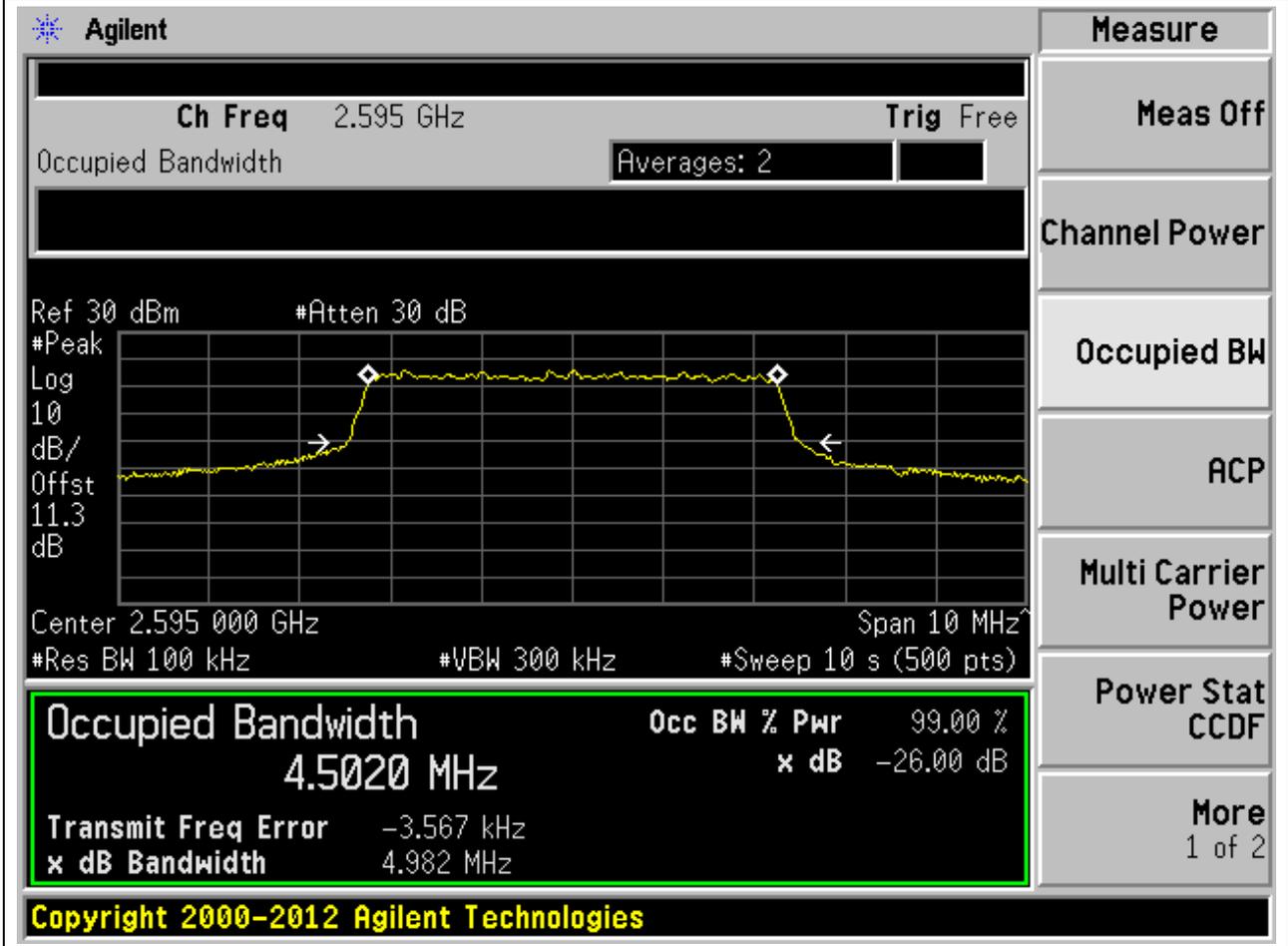
11.6. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:38000, Bandwidth:5, Modulation:16QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2595	99	26	0.1	Peak	4.5	5.13	5	Pass



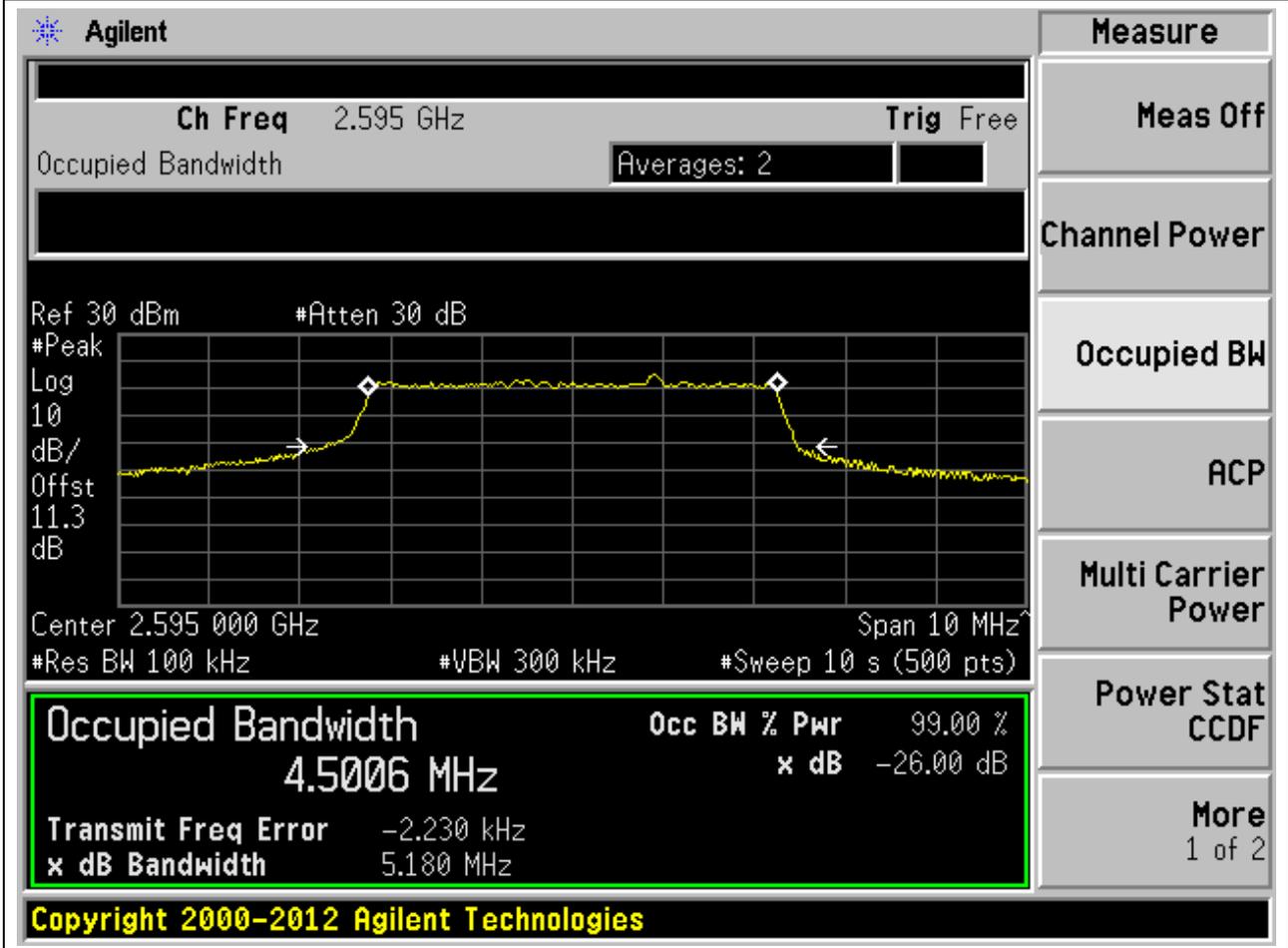
11.7. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:38000, Bandwidth:5, Modulation:64QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2595	99	26	0.1	Peak	4.5	4.98	5	Pass



11.8. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:38000, Bandwidth:5, Modulation:256QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2595	99	26	0.1	Peak	4.5	5.18	5	Pass



11.9. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:38225, Bandwidth:5, Modulation:QPSK, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2617.5	99	26	0.1	Peak	4.52	5.36	5	Pass

Agilent

Measure

Ch Freq 2.6175 GHz
Trig Free

Occupied Bandwidth
Averages: 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 10 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
4.5164 MHz	x dB -26.00 dB
Transmit Freq Error	-6.324 kHz
x dB Bandwidth	5.357 MHz

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More

1 of 2

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11.10. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:38225, Bandwidth:5, Modulation:16QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2617.5	99	26	0.1	Peak	4.5	5.13	5	Pass

Agilent
Measure

Ch Freq 2.6175 GHz Trig Free

Occupied Bandwidth Averages: 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 10 s (500 pts)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

Occupied Bandwidth

4.5003 MHz

Transmit Freq Error -4.853 kHz

x dB Bandwidth 5.133 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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11.11. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:38225, Bandwidth:5, Modulation:64QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2617.5	99	26	0.1	Peak	4.5	4.98	5	Pass

Agilent

Measure

Ch Freq 2.6175 GHz
Trig Free

Occupied Bandwidth
Averages: 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 10 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
4.5027 MHz	x dB -26.00 dB
Transmit Freq Error -3.537 kHz	
x dB Bandwidth 4.980 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More

1 of 2

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11.12. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:38225, Bandwidth:5, Modulation:256QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2617.5	99	26	0.1	Peak	4.5	5.18	5	Pass

Agilent

Measure

Ch Freq 2.6175 GHz **Trig** Free

Occupied Bandwidth Averages: 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 10 s (500 pts)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

Occupied Bandwidth

4.4953 MHz

Transmit Freq Error -4.473 kHz

x dB Bandwidth 5.183 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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11.13. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:37800, Bandwidth:10, Modulation:QPSK, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2575	99	26	0.2	Peak	9	10.22	10	Pass

Agilent
Measure

Ch Freq 2.575 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 2.575 00 GHz Span 20 MHz

#Res BW 200 kHz #VBW 620 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

8.9986 MHz

Transmit Freq Error -2.222 kHz

x dB Bandwidth 10.216 MHz

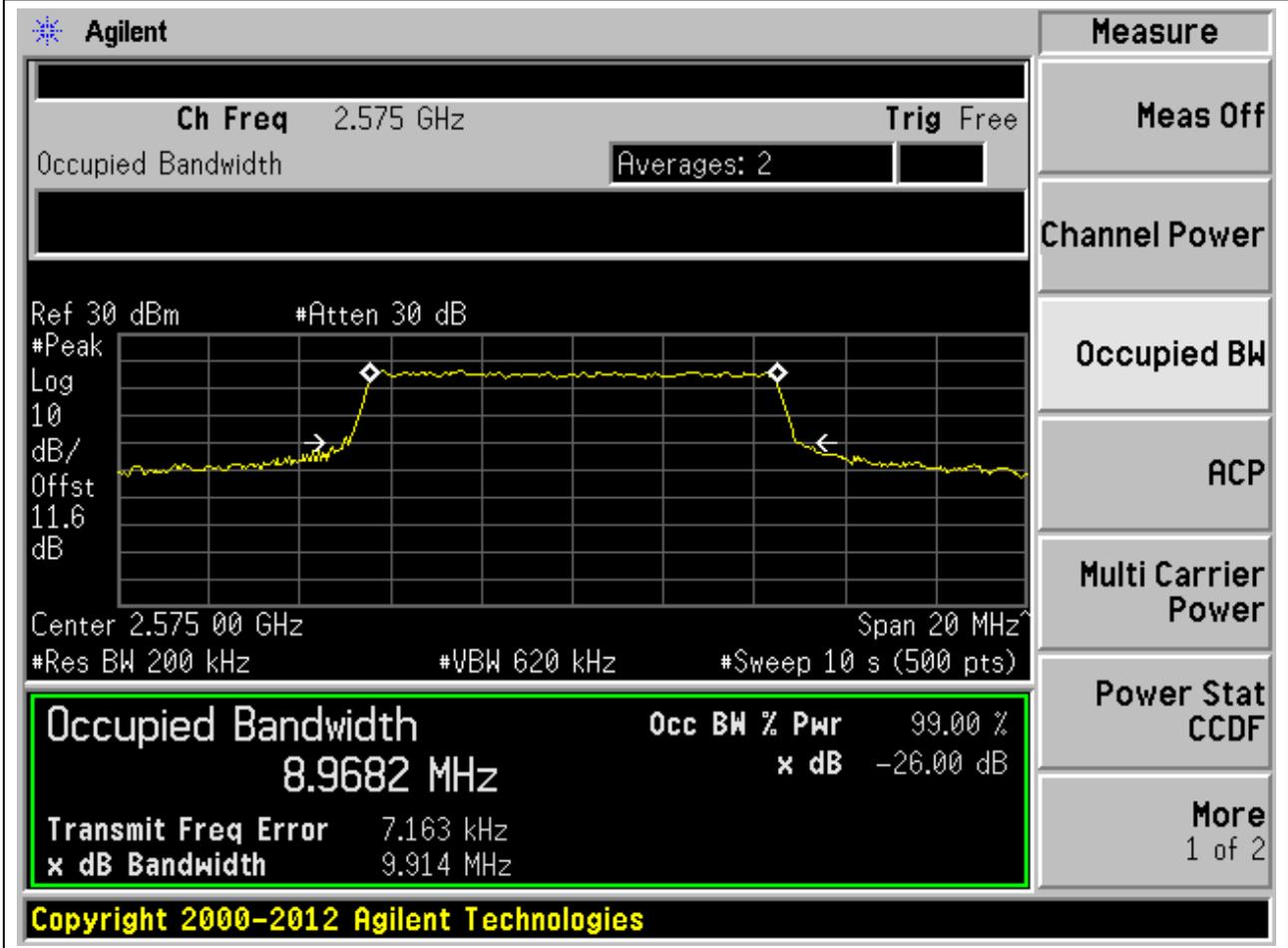
Occ BW % Pwr 99.00 %

x dB -26.00 dB

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11.14. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:37800, Bandwidth:10, Modulation:16QAM, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2575	99	26	0.2	Peak	8.97	9.91	10	Pass



11.15. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:37800, Bandwidth:10, Modulation:64QAM, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2575	99	26	0.2	Peak	9.01	10.37	10	Pass

Agilent
Measure

Ch Freq 2.575 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 11.6 dB

Center 2.575 00 GHz Span 20 MHz

#Res BW 200 kHz #VBW 620 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

9.0076 MHz

Transmit Freq Error 7.714 kHz

x dB Bandwidth 10.370 MHz

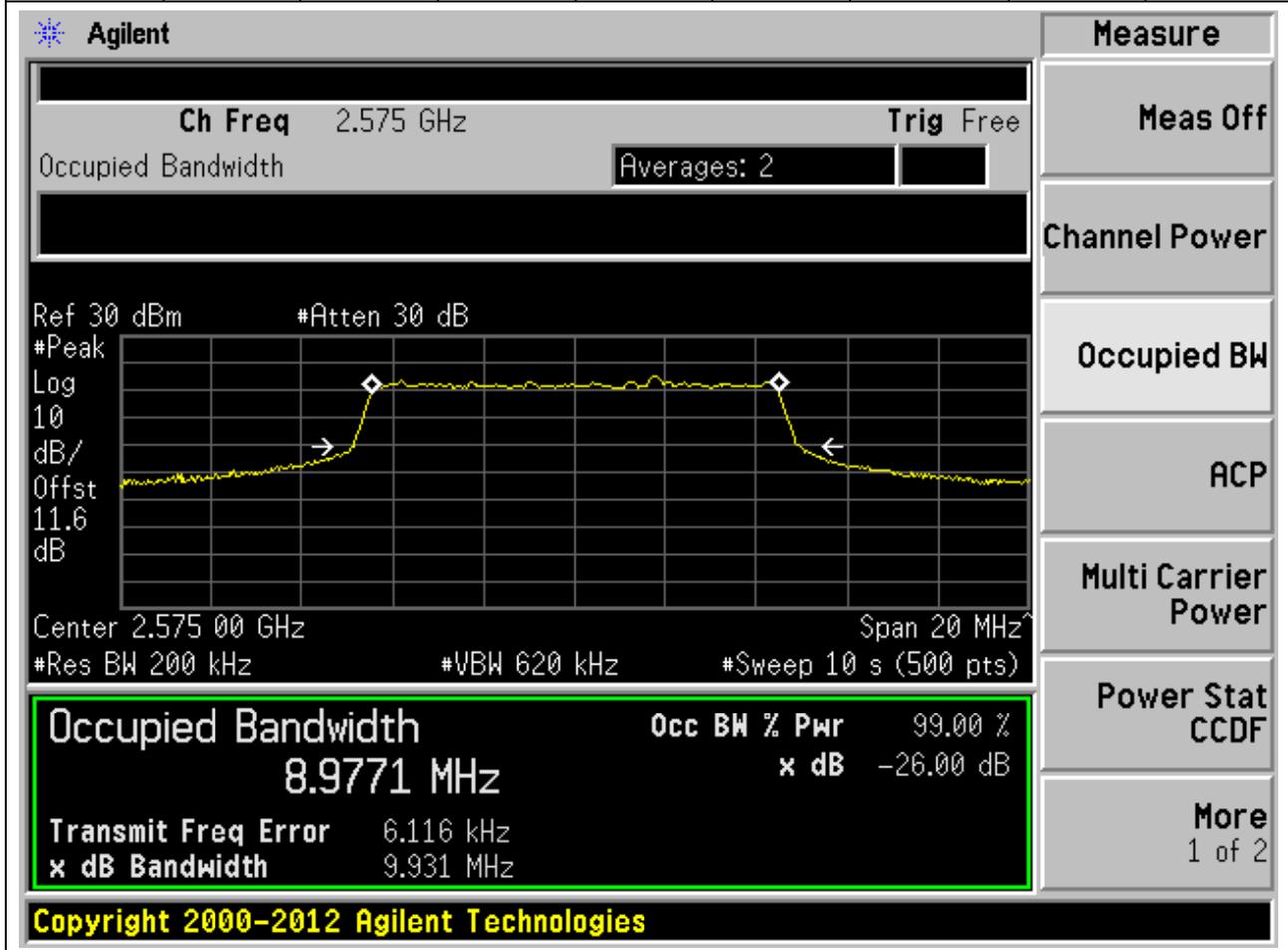
Occ BW % Pwr 99.00 %

x dB -26.00 dB

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11.16. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:37800, Bandwidth:10, Modulation:256QAM, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2575	99	26	0.2	Peak	8.98	9.93	10	Pass



11.17. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:38000, Bandwidth:10, Modulation:QPSK, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2595	99	26	0.2	Peak	9.01	10.25	10	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 11.3 dB

Center 2.595 00 GHz Span 20 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
9.0065 MHz	x dB -26.00 dB
Transmit Freq Error -3.326 kHz	
x dB Bandwidth 10.254 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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11.18. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:38000, Bandwidth:10, Modulation:16QAM, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2595	99	26	0.2	Peak	8.96	10.01	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is 2.595 GHz. The main display shows a spectrum plot with a yellow trace representing the signal. The plot is set to a reference level of 30 dBm and an attenuation of 30 dB. The occupied bandwidth is highlighted in a green box, showing a value of 8.9620 MHz. The percentage of power within this bandwidth is 99.00%, and the XdB down value is -26.00 dB. Other parameters shown include a transmit frequency error of 1.709 kHz and a bandwidth of 10.009 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 displays the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

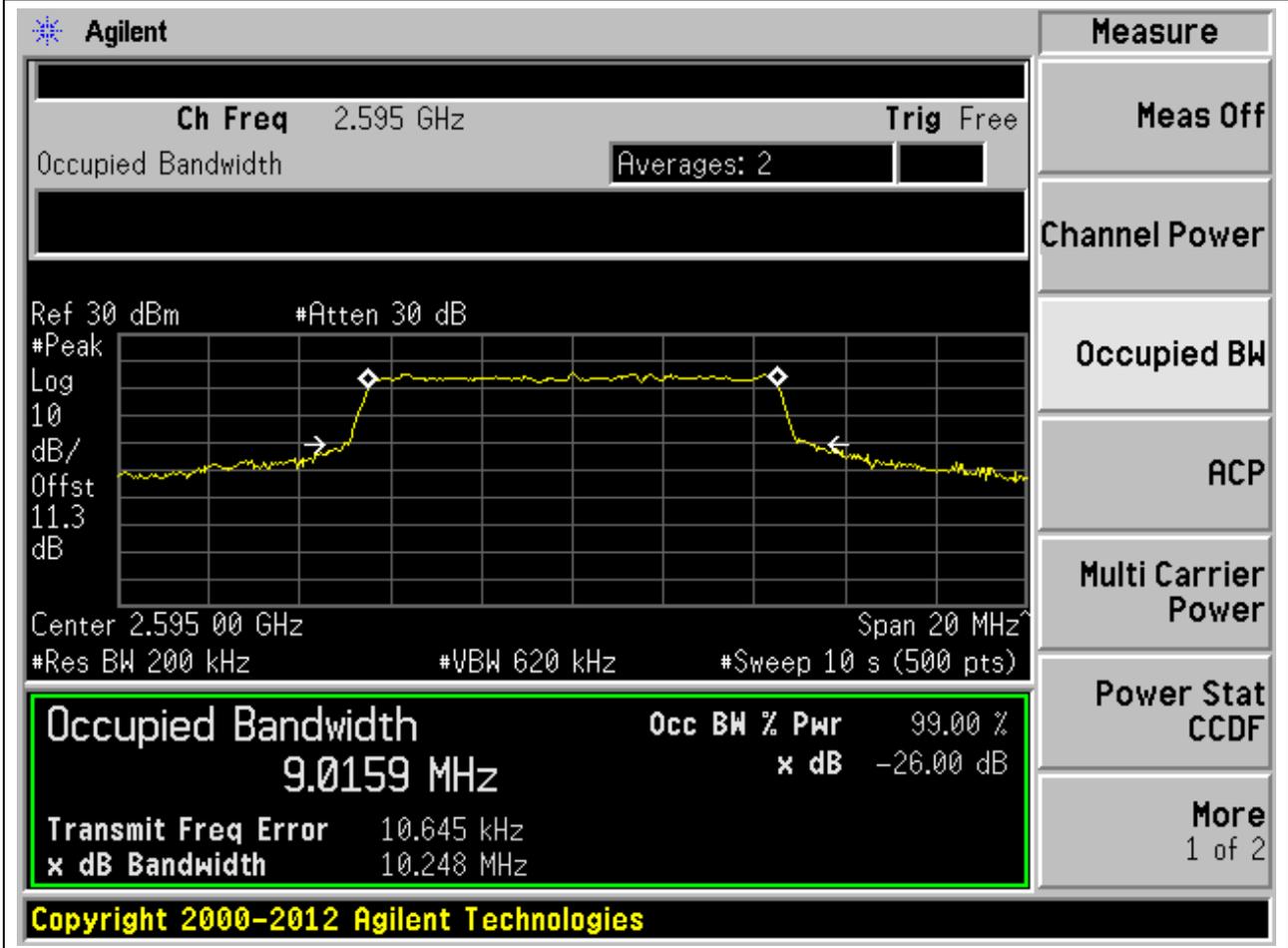
Occupied Bandwidth	Occ BW % Pwr	x dB
8.9620 MHz	99.00 %	-26.00 dB

Transmit Freq Error: 1.709 kHz
x dB Bandwidth: 10.009 MHz

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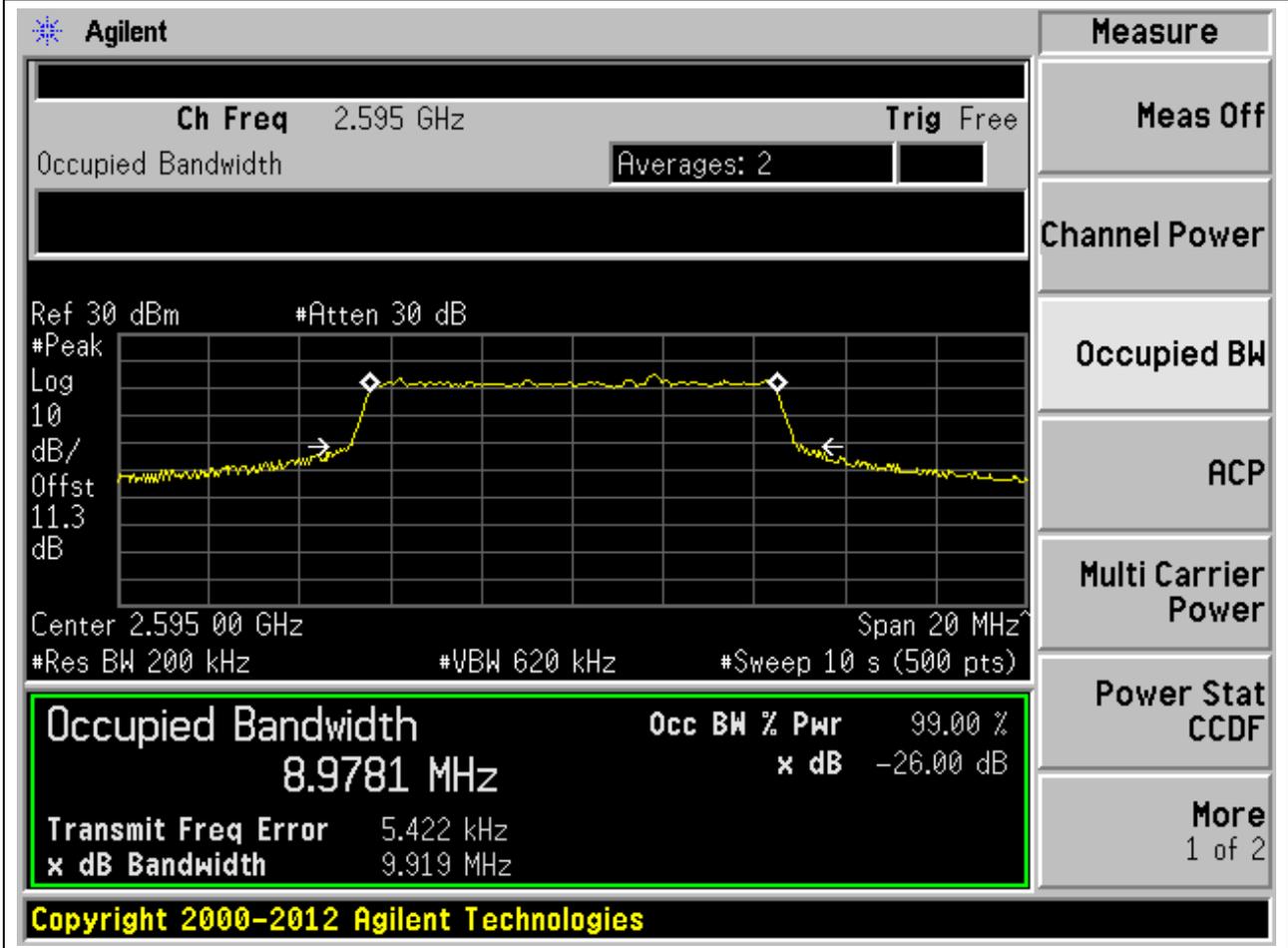
11.19. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:38000, Bandwidth:10, Modulation:64QAM, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2595	99	26	0.2	Peak	9.02	10.25	10	Pass



11.20. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:38000, Bandwidth:10, Modulation:256QAM, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2595	99	26	0.2	Peak	8.98	9.92	10	Pass



11.21. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:38200, Bandwidth:10, Modulation:QPSK, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2615	99	26	0.2	Peak	9	10.23	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
11.6

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 %
8.9980 MHz	x dB -26.00 dB
Transmit Freq Error -2.208 kHz	
x dB Bandwidth 10.234 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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11.22. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:38200, Bandwidth:10, Modulation:16QAM, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2615	99	26	0.2	Peak	8.96	10.08	10	Pass

Agilent
Measure

Ch Freq 2.615 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 2.615 00 GHz Span 20 MHz

#Res BW 200 kHz #VBW 620 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

8.9622 MHz

Transmit Freq Error 1.908 kHz

x dB Bandwidth 10.076 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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11.23. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:38200, Bandwidth:10, Modulation:64QAM, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2615	99	26	0.2	Peak	9.02	10.93	10	Pass

Agilent
Measure

Ch Freq 2.615 GHz Trig Free

Occupied Bandwidth Averages: 2

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

Occupied Bandwidth

9.0186 MHz

Transmit Freq Error -3.633 kHz

x dB Bandwidth 10.928 MHz

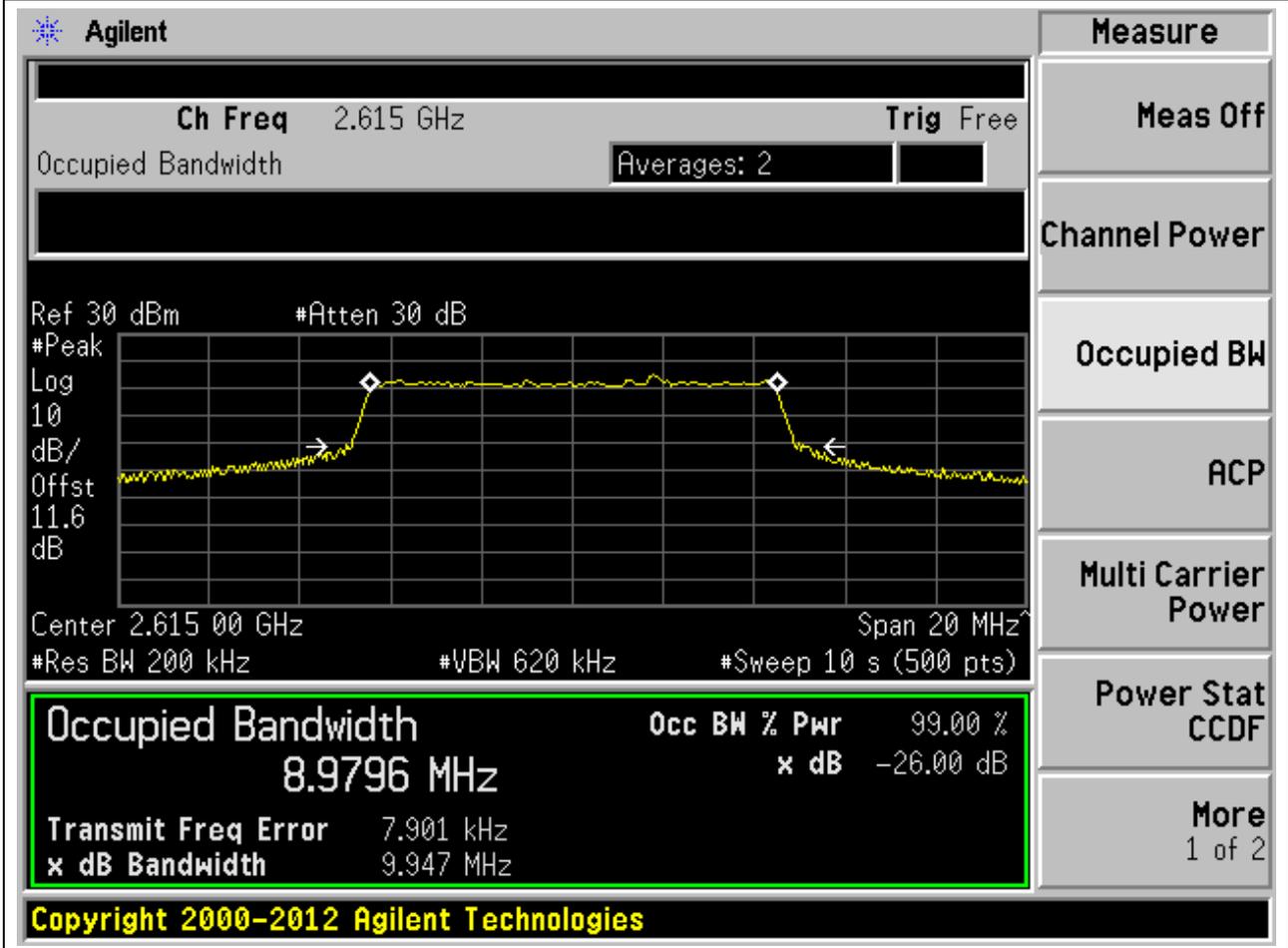
Occ BW % Pwr 99.00 %

x dB -26.00 dB

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11.24. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:38200, Bandwidth:10, Modulation:256QAM, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2615	99	26	0.2	Peak	8.98	9.95	10	Pass



11.25. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:37825, Bandwidth:15, Modulation:QPSK, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2577.5	99	26	0.3	Peak	13.51	15.81	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

11.5 dB

Center 2.577 50 GHz
Span 30 MHz

#Res BW 300 kHz
#VBW 620 kHz
#Sweep 10 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
13.5061 MHz	x dB -26.00 dB
Transmit Freq Error 1.403 kHz	
x dB Bandwidth 15.808 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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11.26. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:37825, Bandwidth:15, Modulation:16QAM, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2577.5	99	26	0.3	Peak	13.48	14.86	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

11.5 dB

Center 2.577 50 GHz
Span 30 MHz

#Res BW 300 kHz
#VBW 620 kHz
#Sweep 10 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
13.4763 MHz	x dB -26.00 dB
Transmit Freq Error -3.458 kHz	
x dB Bandwidth 14.864 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More

1 of 2

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11.27. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:37825, Bandwidth:15, Modulation:64QAM, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2577.5	99	26	0.3	Peak	13.47	15.04	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 11.5 dB

Center 2.577 50 GHz Span 30 MHz

#Res BW 300 kHz #VBW 620 kHz #Sweep 10 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
13.4747 MHz	x dB -26.00 dB
Transmit Freq Error -673.498 Hz	
x dB Bandwidth 15.042 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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11.28. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:37825, Bandwidth:15, Modulation:256QAM, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2577.5	99	26	0.3	Peak	13.49	15	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 11.5 dB

Center 2.577 50 GHz Span 30 MHz

#Res BW 300 kHz #VBW 620 kHz #Sweep 10 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
13.4863 MHz	x dB -26.00 dB
Transmit Freq Error -6.437 kHz	
x dB Bandwidth 14.999 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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11.29. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:38000, Bandwidth:15, Modulation:QPSK, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2595	99	26	0.3	Peak	13.5	15.85	15	Pass

Agilent

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

Ch Freq 2.595 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 11.3 dB

Center 2.595 00 GHz Span 30 MHz

#Res BW 300 kHz #VBW 620 kHz #Sweep 10 s (500 pts)

Occupied Bandwidth Occ BW % Pwr 99.00 %

13.5033 MHz x dB -26.00 dB

Transmit Freq Error 5.594 kHz

x dB Bandwidth 15.845 MHz

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11.30. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:38000, Bandwidth:15, Modulation:16QAM, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2595	99	26	0.3	Peak	13.48	14.87	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 11.3 dB

Center 2.595 00 GHz Span 30 MHz

#Res BW 300 kHz #VBW 620 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	Occ BW % Pwr 99.00 %
13.4753 MHz	x dB -26.00 dB
Transmit Freq Error -7.613 kHz	
x dB Bandwidth 14.871 MHz	

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11.31. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:38000, Bandwidth:15, Modulation:64QAM, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2595	99	26	0.3	Peak	13.47	15.56	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
11.3

dB

Center 2.595 00 GHz
Span 30 MHz

#Res BW 300 kHz
#VBW 620 kHz
#Sweep 10 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
13.4676 MHz	x dB -26.00 dB
Transmit Freq Error -6.129 kHz	
x dB Bandwidth 15.557 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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11.32. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:38000, Bandwidth:15, Modulation:256QAM, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2595	99	26	0.3	Peak	13.49	14.99	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
11.3

dB

Center 2.595 00 GHz
Span 30 MHz

#Res BW 300 kHz
#VBW 620 kHz
#Sweep 10 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
13.4873 MHz	x dB -26.00 dB
Transmit Freq Error	-29.029 kHz
x dB Bandwidth	14.989 MHz

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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11.33. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:38175, Bandwidth:15, Modulation:QPSK, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2612.5	99	26	0.3	Peak	13.51	15.84	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

11.5 dB

Center 2.612 50 GHz
Span 30 MHz

#Res BW 300 kHz
#VBW 620 kHz
#Sweep 10 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
13.5054 MHz	x dB -26.00 dB
Transmit Freq Error 4.143 kHz	
x dB Bandwidth 15.837 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

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11.34. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:38175, Bandwidth:15, Modulation:16QAM, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2612.5	99	26	0.3	Peak	13.5	14.85	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
11.5

dB

Center 2.612 50 GHz
Span 30 MHz

#Res BW 300 kHz
#VBW 620 kHz
#Sweep 10 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
13.4988 MHz	x dB -26.00 dB
Transmit Freq Error -3.854 kHz	
x dB Bandwidth 14.854 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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11.35. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:38175, Bandwidth:15, Modulation:64QAM, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2612.5	99	26	0.3	Peak	13.47	15.16	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

11.5 dB

Center 2.612 50 GHz
Span 30 MHz

#Res BW 300 kHz
#VBW 620 kHz
#Sweep 10 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
13.4717 MHz	x dB -26.00 dB
Transmit Freq Error -3.836 kHz	
x dB Bandwidth 15.165 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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11.36. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:38175, Bandwidth:15, Modulation:256QAM, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2612.5	99	26	0.3	Peak	13.49	15.07	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 11.5 dB

Center 2.612 50 GHz Span 30 MHz

#Res BW 300 kHz #VBW 620 kHz #Sweep 10 s (500 pts)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

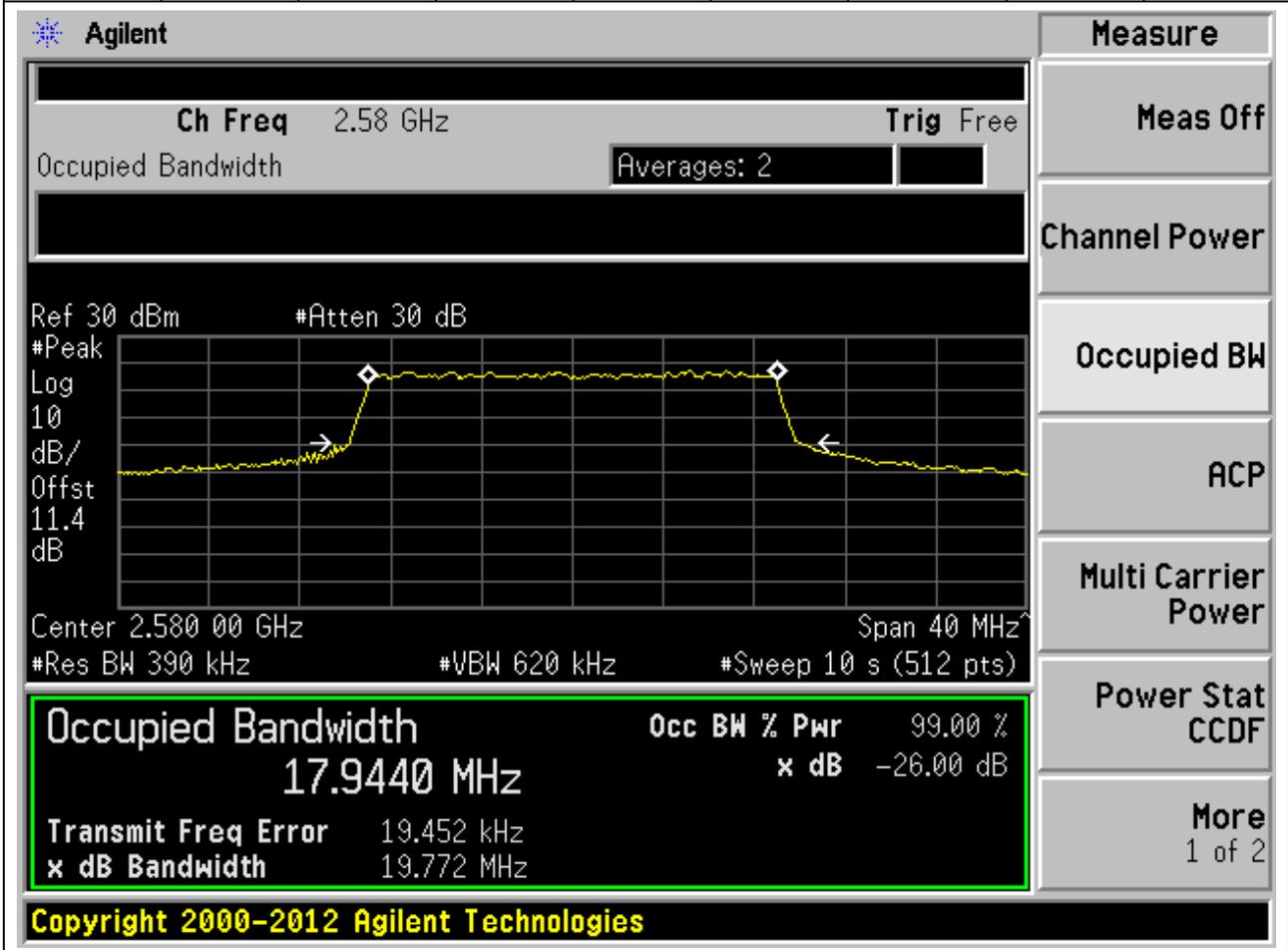
More 1 of 2

Occupied Bandwidth	Occ BW % Pwr 99.00 %
13.4861 MHz	x dB -26.00 dB
Transmit Freq Error -22.219 kHz	
x dB Bandwidth 15.068 MHz	

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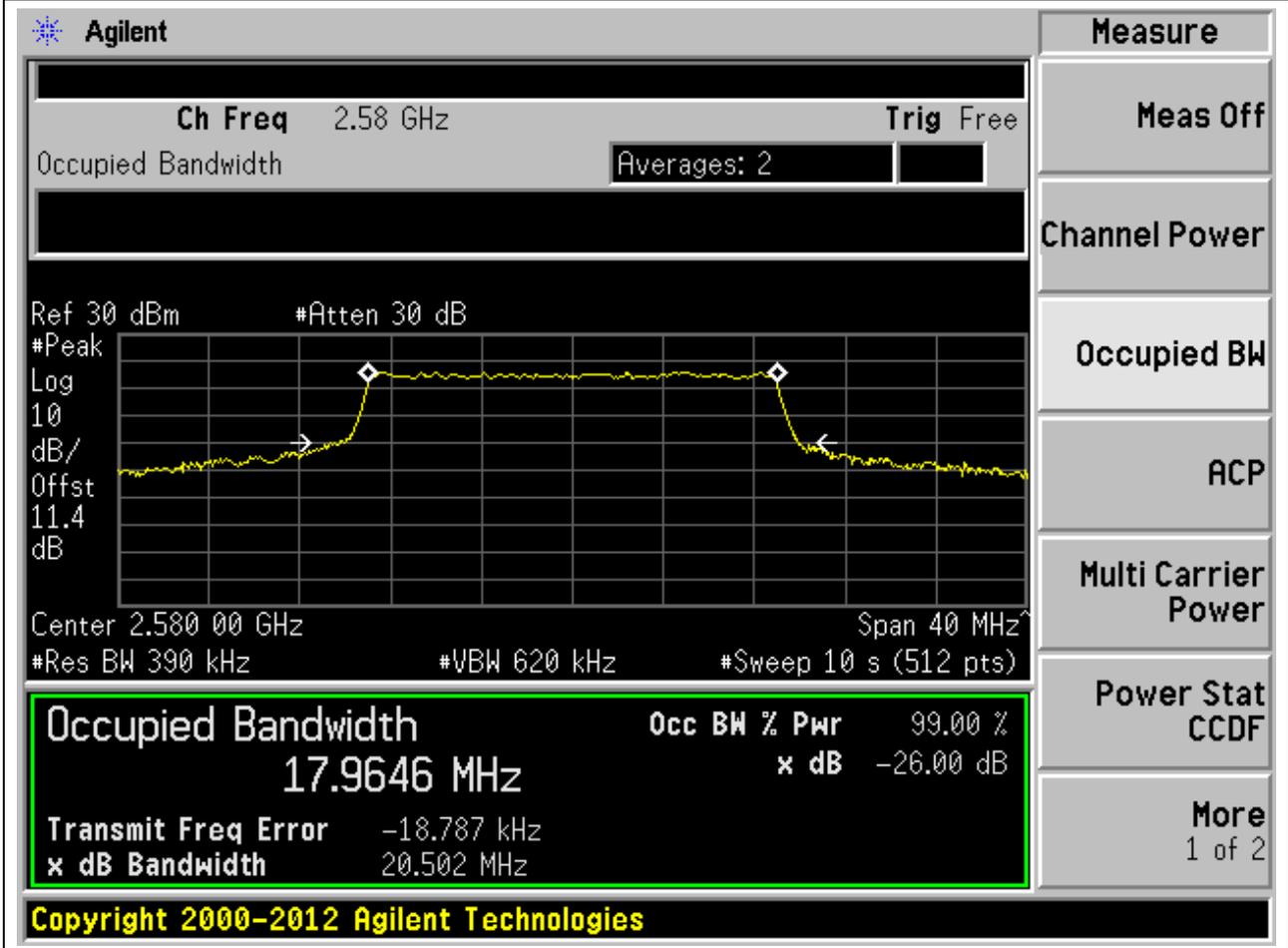
11.37. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:37850, Bandwidth:20, Modulation:QPSK, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2580	99	26	0.39	Peak	17.94	19.77	20	Pass



11.38. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:37850, Bandwidth:20, Modulation:16QAM, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2580	99	26	0.39	Peak	17.96	20.5	20	Pass



11.39. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:37850, Bandwidth:20, Modulation:64QAM, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2580	99	26	0.39	Peak	17.97	20.64	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

11.4 dB

Center 2.580 00 GHz
Span 40 MHz

#Res BW 390 kHz
#VBW 620 kHz
#Sweep 10 s (512 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
17.9731 MHz	x dB -26.00 dB
Transmit Freq Error 745.152 Hz	
x dB Bandwidth 20.644 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

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11.40. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:37850, Bandwidth:20, Modulation:256QAM, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2580	99	26	0.39	Peak	17.94	19.97	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 11.4 dB

Center 2.580 00 GHz Span 40 MHz

#Res BW 390 kHz #VBW 620 kHz #Sweep 10 s (512 pts)

Occupied Bandwidth

17.9356 MHz

Transmit Freq Error 3.703 kHz

x dB Bandwidth 19.973 MHz

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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11.41. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:38000, Bandwidth:20, Modulation:QPSK, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2595	99	26	0.39	Peak	17.95	19.8	20	Pass

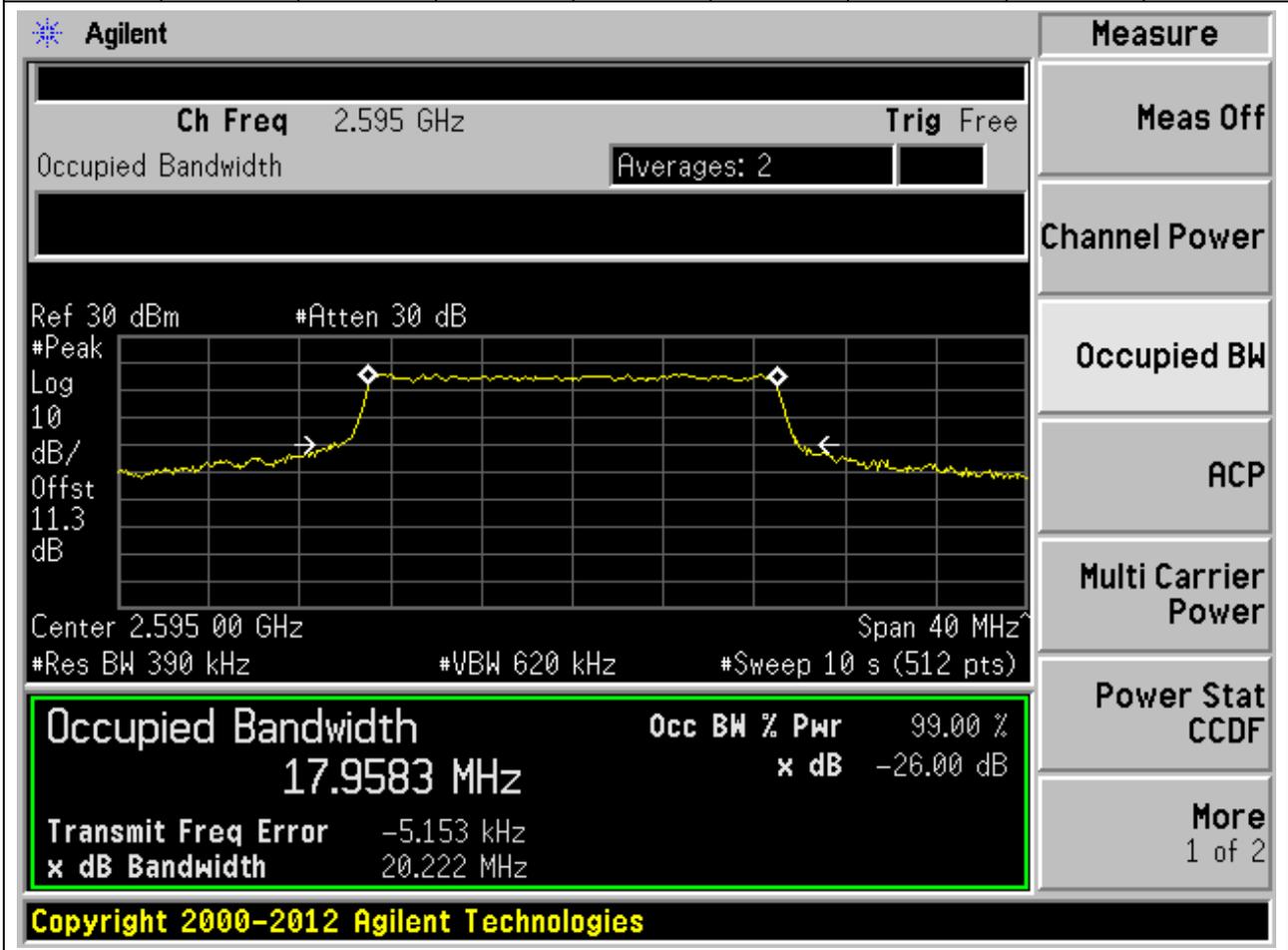
The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is 2.595 GHz. The main display shows a spectrum plot with a yellow trace. The plot parameters include a reference level of 30 dBm, a peak level of 10 dB, and an offset of 11.3 dB. The occupied bandwidth is highlighted in a green box, showing a value of 17.9505 MHz. The percentage of power within this bandwidth is 99.00%, and the XdB bandwidth is 19.804 MHz. The XdB down is -26.00 dB. The transmit frequency error is 15.532 kHz. The resolution bandwidth (RBW) is 390 kHz, the video bandwidth (VBW) is 620 kHz, and the sweep time is 10 seconds (512 points). The span is 40 MHz. The center frequency is 2.59500 GHz. The detector is set to Peak. The upper limit is 20 MHz. The verdict is Pass.

Occupied Bandwidth	Occ BW % Pwr	x dB
17.9505 MHz	99.00 %	-26.00 dB

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11.42. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:38000, Bandwidth:20, Modulation:16QAM, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2595	99	26	0.39	Peak	17.96	20.22	20	Pass



11.43. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:38000, Bandwidth:20, Modulation:64QAM, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2595	99	26	0.39	Peak	17.97	20.49	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

11.3 dB

Center 2.595 00 GHz
Span 40 MHz

#Res BW 390 kHz
#VBW 620 kHz
#Sweep 10 s (512 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
17.9694 MHz	x dB -26.00 dB
Transmit Freq Error -10.530 kHz	
x dB Bandwidth 20.490 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

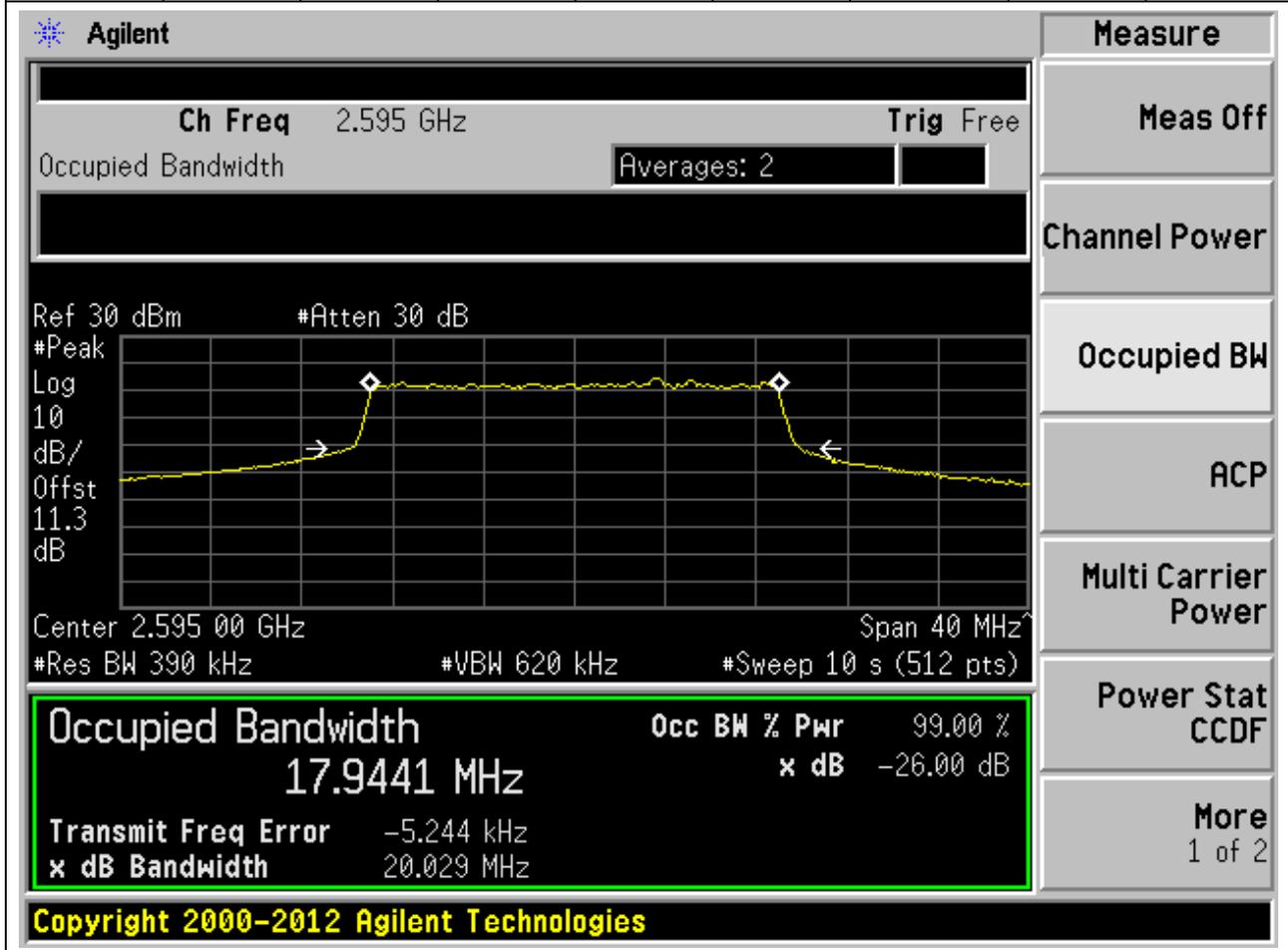
Power Stat CCDF

More
1 of 2

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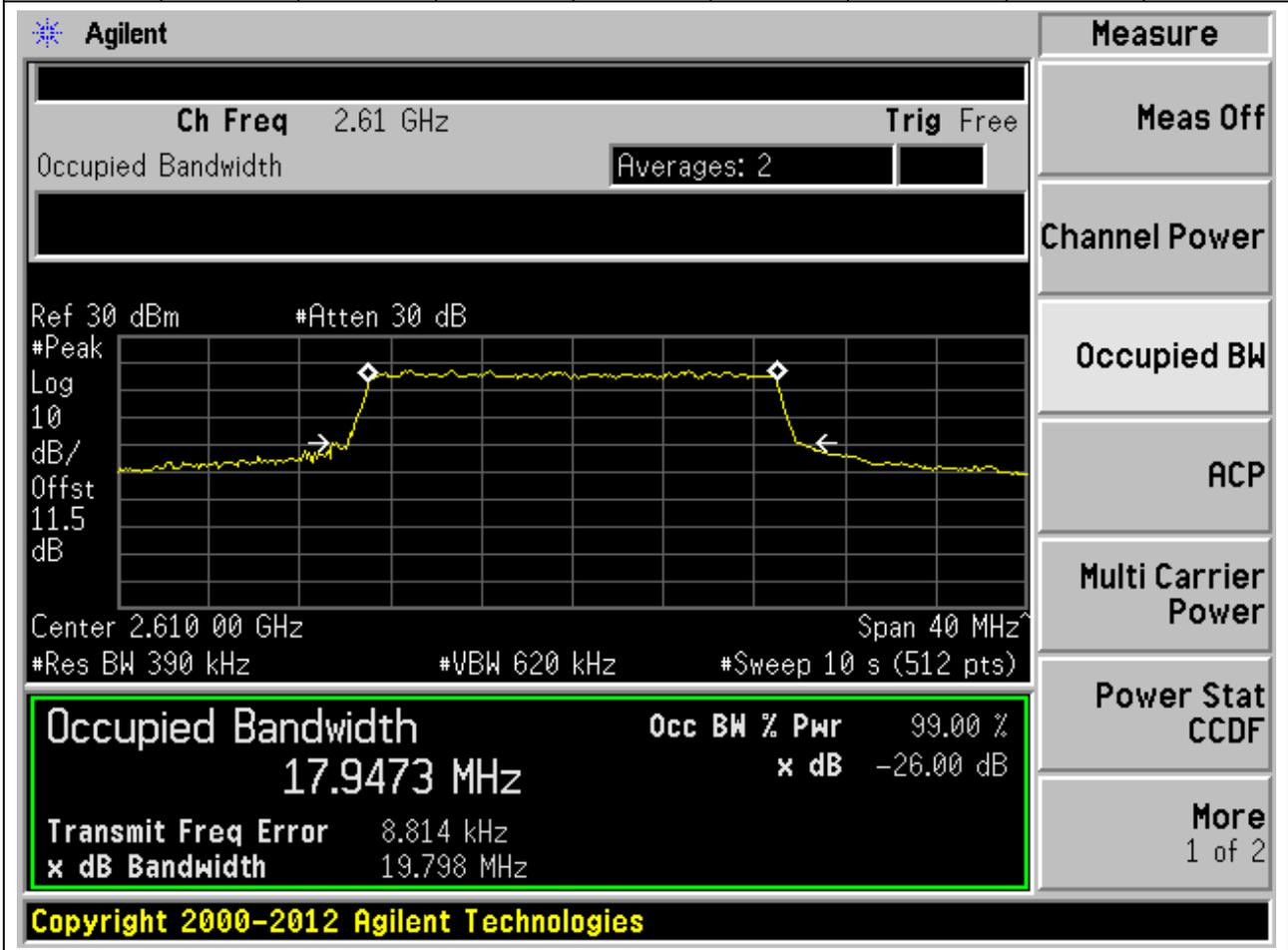
11.44. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:38000, Bandwidth:20, Modulation:256QAM, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2595	99	26	0.39	Peak	17.94	20.03	20	Pass



11.45. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:38150, Bandwidth:20, Modulation:QPSK, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2610	99	26	0.39	Peak	17.95	19.8	20	Pass



11.46. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:38150, Bandwidth:20, Modulation:16QAM, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2610	99	26	0.39	Peak	17.96	20.74	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 11.5 dB

Center 2.610 00 GHz Span 40 MHz

#Res BW 390 kHz #VBW 620 kHz #Sweep 10 s (512 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
17.9634 MHz	x dB -26.00 dB
Transmit Freq Error -15.986 kHz	
x dB Bandwidth 20.742 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

11.47. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:38150, Bandwidth:20, Modulation:64QAM, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2610	99	26	0.39	Peak	17.97	20.51	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 11.5 dB

Center 2.610 00 GHz Span 40 MHz

#Res BW 390 kHz #VBW 620 kHz #Sweep 10 s (512 pts)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

Occupied Bandwidth

17.9744 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

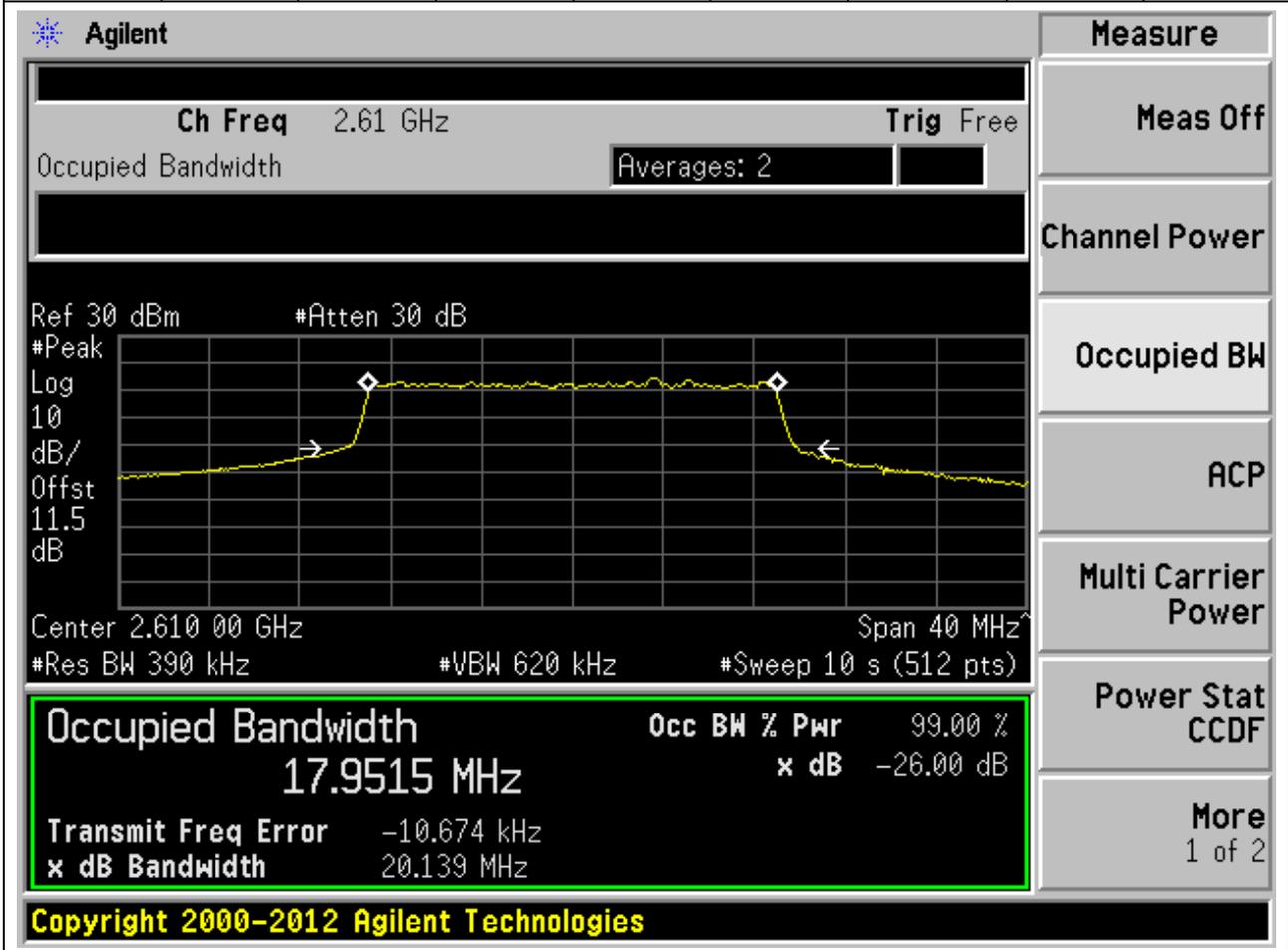
Transmit Freq Error -13.392 kHz

x dB Bandwidth 20.509 MHz

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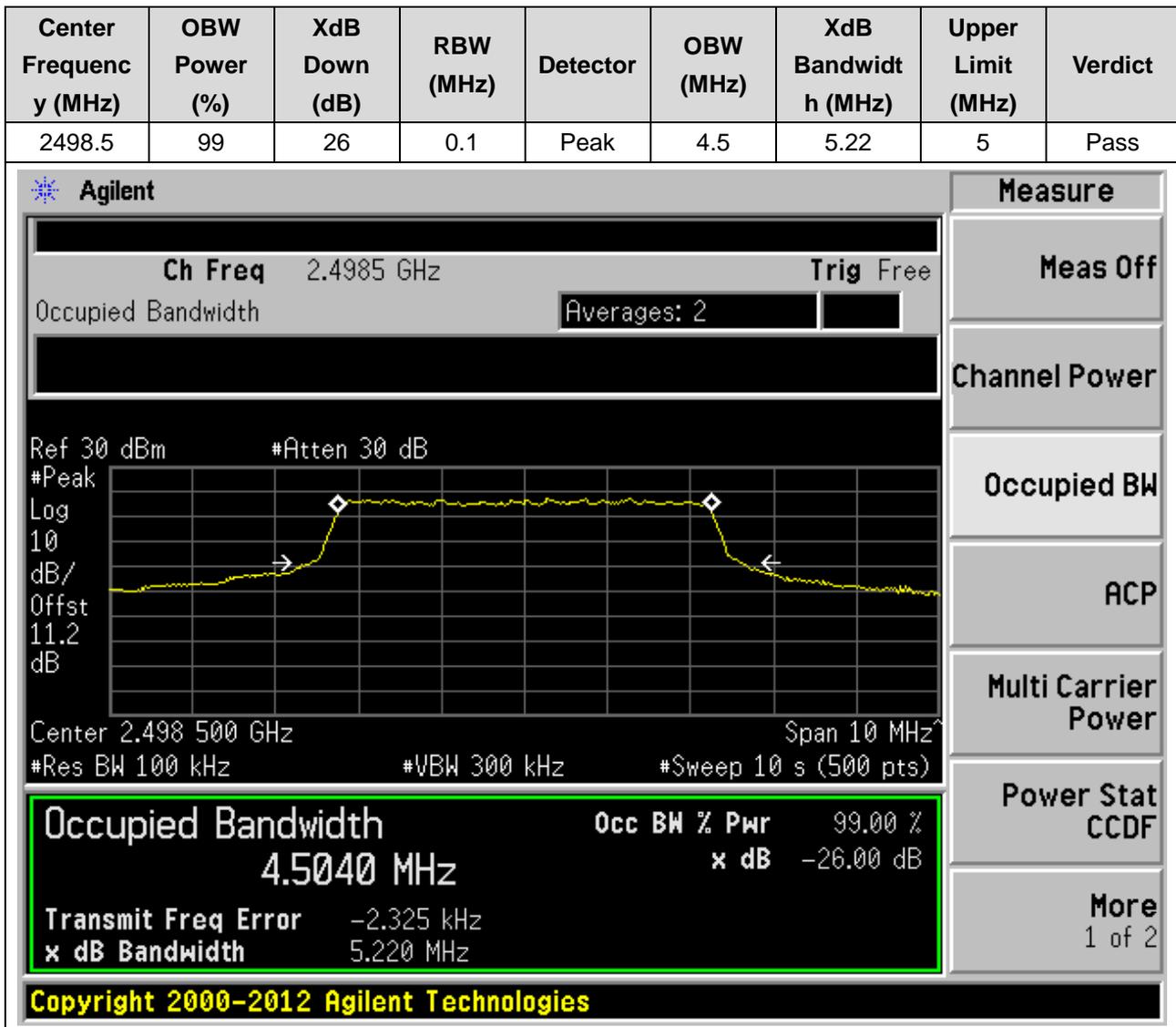
11.48. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:38150, Bandwidth:20, Modulation:256QAM, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2610	99	26	0.39	Peak	17.95	20.14	20	Pass



12. LTE_Band41 full

12.1. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:39675, Bandwidth:5, Modulation:QPSK, RB Number:25, RB Position:0)



12.2. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:39675, Bandwidth:5, Modulation:16QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2498.5	99	26	0.1	Peak	4.5	5.18	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is 2.4985 GHz. The main display shows a spectrum plot with a yellow trace. The plot parameters include a reference level of 30 dBm, a peak level of 10 dB, and an offset of 11.2 dB. The center frequency is 2.4985 GHz, and the span is 10 MHz. The resolution bandwidth (RBW) is 100 kHz, the video bandwidth (VBW) is 300 kHz, and the sweep time is 10 seconds. The measurement results are summarized in a table at the bottom of the screen:

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.5010 MHz	x dB	-26.00 dB
Transmit Freq Error		-2.989 kHz
x dB Bandwidth		5.180 MHz

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

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12.3. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:39675, Bandwidth:5, Modulation:64QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2498.5	99	26	0.1	Peak	4.5	4.94	5	Pass

Agilent

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

Ch Freq 2.4985 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.2 dB

Center 2.498 500 GHz Span 10 MHz

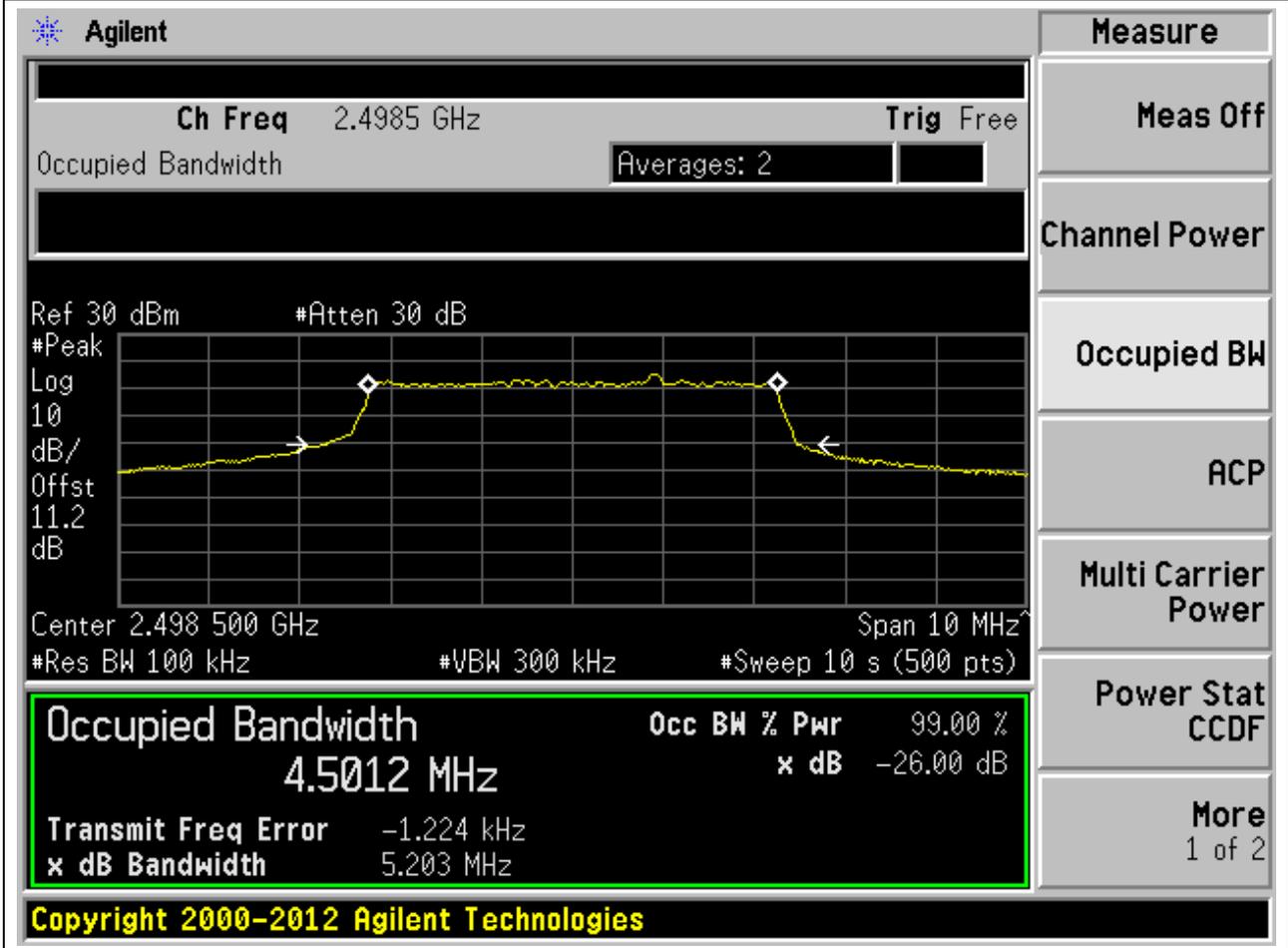
#Res BW 100 kHz #VBW 300 kHz #Sweep 10 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.4998 MHz	x dB	-26.00 dB
Transmit Freq Error	947.030 Hz	
x dB Bandwidth	4.942 MHz	

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12.4. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:39675, Bandwidth:5, Modulation:256QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2498.5	99	26	0.1	Peak	4.5	5.2	5	Pass



12.5. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:40620, Bandwidth:5, Modulation:QPSK, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2593	99	26	0.1	Peak	4.51	5.32	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is 2.593 GHz. The main display shows a spectrum plot with a yellow trace. The plot parameters include a reference level of 30 dBm, a peak level of 10 dB, and an offset of 11.3 dB. The center frequency is 2.593 000 GHz, and the span is 10 MHz. The resolution bandwidth (Res BW) is 100 kHz, the video bandwidth (VBW) is 300 kHz, and the sweep time is 10 s (500 pts). The measurement results are summarized in a table below the plot:

Occupied Bandwidth	Occ BW % Pwr	x dB
4.5133 MHz	99.00 %	-26.00 dB

Additional parameters shown include Transmit Freq Error (-3.107 kHz) and x dB Bandwidth (5.322 MHz). The interface also features a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The copyright notice at the bottom reads 'Copyright 2000-2012 Agilent Technologies'.

12.6. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:40620, Bandwidth:5, Modulation:16QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2593	99	26	0.1	Peak	4.5	5.13	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is 2.593 GHz. The main display shows a spectrum plot with a yellow trace. The plot parameters include a reference level of 30 dBm, a peak level of 10 dB, and an offset of 11.3 dB. The occupied bandwidth is highlighted in a green box, showing a value of 4.5003 MHz. The percentage of power within this bandwidth is 99.00%, and the XdB bandwidth is -26.00 dB. Other parameters shown include a transmit frequency error of -3.959 kHz and an XdB bandwidth of 5.134 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 displays the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
4.5003 MHz	99.00 %	-26.00 dB

12.7. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:40620, Bandwidth:5, Modulation:64QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2593	99	26	0.1	Peak	4.5	4.97	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
11.3

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 %
4.5034 MHz	x dB -26.00 dB
Transmit Freq Error	-2.518 kHz
x dB Bandwidth	4.967 MHz

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

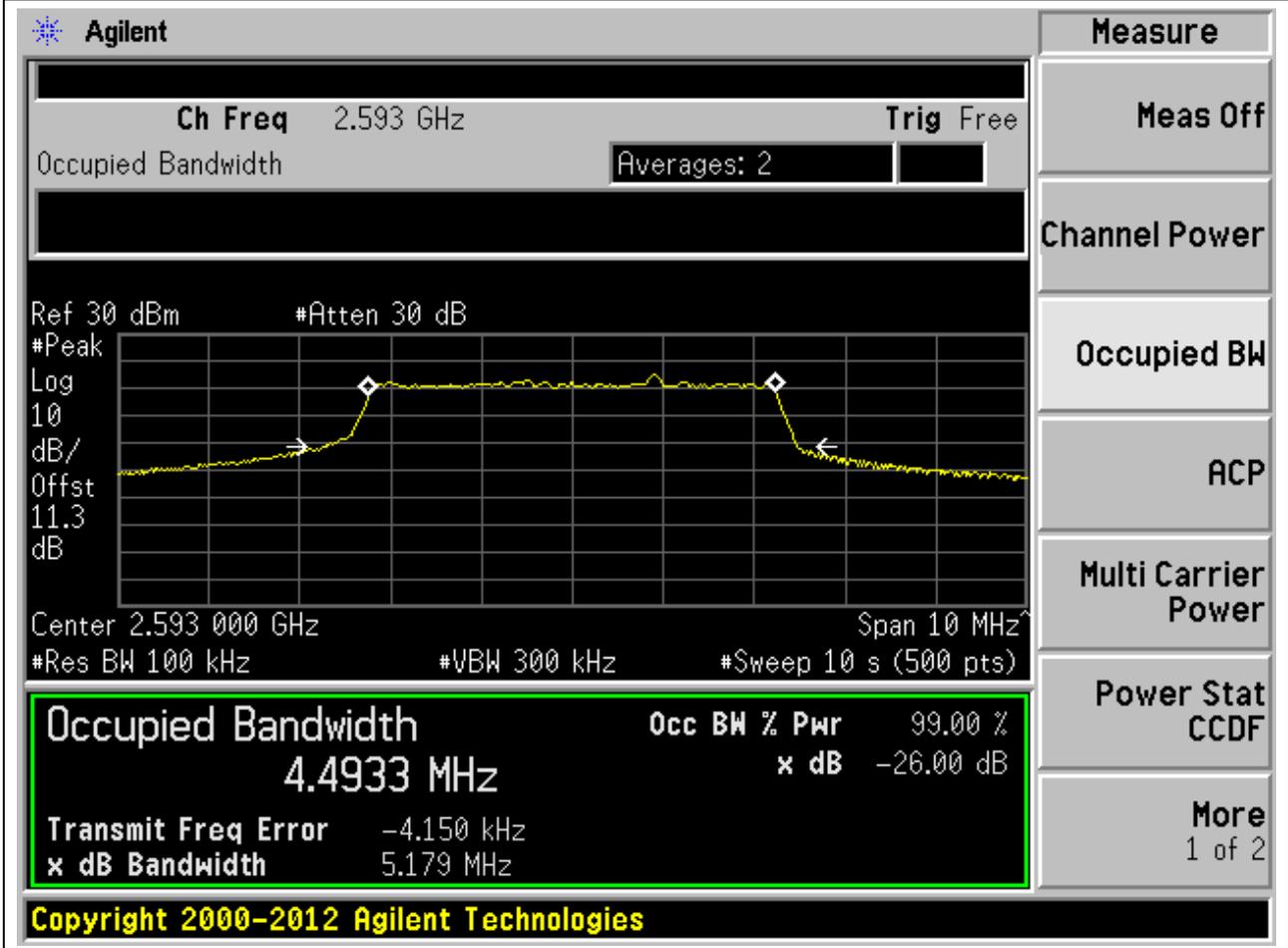
Power Stat CCDF

More
1 of 2

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12.8. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:40620, Bandwidth:5, Modulation:256QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2593	99	26	0.1	Peak	4.49	5.18	5	Pass



12.9. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:41565, Bandwidth:5, Modulation:QPSK, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2687.5	99	26	0.1	Peak	4.51	5.23	5	Pass

Agilent

Measure

Ch Freq 2.6875 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 11.4 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 %
4.5092 MHz	x dB -26.00 dB
Transmit Freq Error -5.784 kHz	
x dB Bandwidth 5.229 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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12.10. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:41565, Bandwidth:5, Modulation:16QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2687.5	99	26	0.1	Peak	4.5	5.31	5	Pass

Agilent

Measure

Ch Freq 2.6875 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 11.4 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 %
4.5003 MHz	x dB -26.00 dB
Transmit Freq Error -4.530 kHz	
x dB Bandwidth 5.313 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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12.11. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:41565, Bandwidth:5, Modulation:64QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2687.5	99	26	0.1	Peak	4.5	4.95	5	Pass

Agilent

Measure

Ch Freq 2.6875 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 11.4 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 %
4.5026 MHz	x dB -26.00 dB
Transmit Freq Error -4.431 kHz	
x dB Bandwidth 4.947 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

12.12. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:41565, Bandwidth:5, Modulation:256QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2687.5	99	26	0.1	Peak	4.5	5.24	5	Pass

Agilent

Measure

Ch Freq 2.6875 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 11.4 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 %
4.4994 MHz	x dB -26.00 dB
Transmit Freq Error -5.069 kHz	
x dB Bandwidth 5.239 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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12.13. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:39700, Bandwidth:10, Modulation:QPSK, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2501	99	26	0.2	Peak	9	10.3	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 11.2 dB

Center 2.501 00 GHz Span 20 MHz

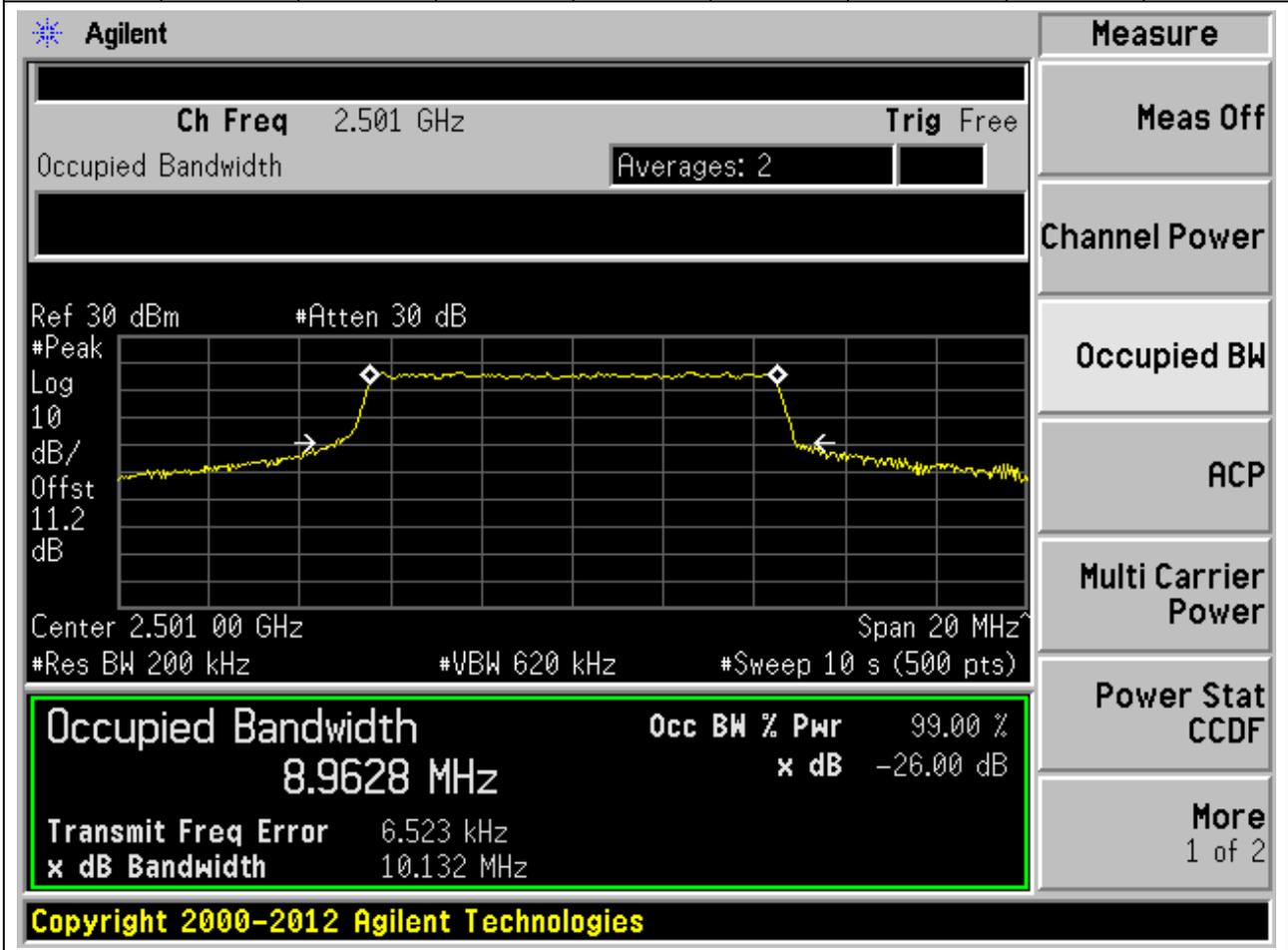
#Res BW 200 kHz #VBW 620 kHz #Sweep 10 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
8.9966 MHz	x dB -26.00 dB
Transmit Freq Error 2.946 kHz	
x dB Bandwidth 10.300 MHz	

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12.14. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:39700, Bandwidth:10, Modulation:16QAM, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2501	99	26	0.2	Peak	8.96	10.13	10	Pass



12.15. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:39700, Bandwidth:10, Modulation:64QAM, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2501	99	26	0.2	Peak	9.01	10.66	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 11.2 dB

Center 2.501 00 GHz Span 20 MHz

#Res BW 200 kHz #VBW 620 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

9.0067 MHz

Transmit Freq Error 11.744 kHz

x dB Bandwidth 10.659 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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12.16. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:39700, Bandwidth:10, Modulation:256QAM, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2501	99	26	0.2	Peak	8.98	10.08	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 11.2 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 %
8.9828 MHz	x dB -26.00 dB
Transmit Freq Error 13.325 kHz	
x dB Bandwidth 10.084 MHz	

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12.17. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:40620, Bandwidth:10, Modulation:QPSK, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2593	99	26	0.2	Peak	9	10.19	10	Pass

Agilent

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

Ch Freq 2.593 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 11.3 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 %
8.9989 MHz	x dB -26.00 dB
Transmit Freq Error -3.637 kHz	
x dB Bandwidth 10.185 MHz	

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12.18. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:40620, Bandwidth:10, Modulation:16QAM, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2593	99	26	0.2	Peak	8.97	9.94	10	Pass

Agilent

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

Ch Freq 2.593 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.3 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 %
8.9681 MHz	x dB -26.00 dB
Transmit Freq Error 6.748 kHz	
x dB Bandwidth 9.939 MHz	

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12.19. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:40620, Bandwidth:10, Modulation:64QAM, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2593	99	26	0.2	Peak	9.02	10.19	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)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

Occupied Bandwidth

9.0159 MHz

Transmit Freq Error 10.403 kHz

x dB Bandwidth 10.191 MHz

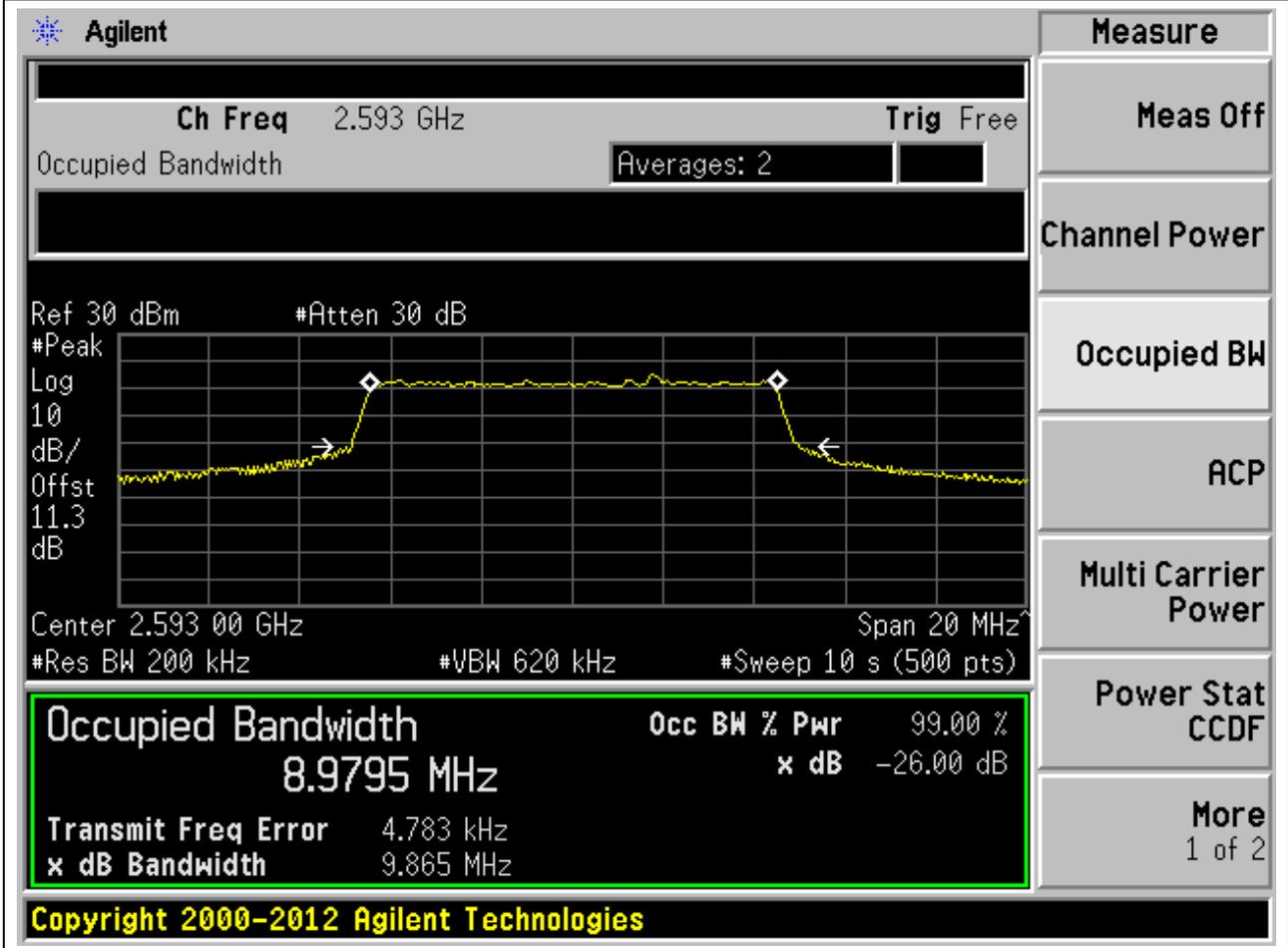
Occ BW % Pwr 99.00 %

x dB -26.00 dB

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12.20. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:40620, Bandwidth:10, Modulation:256QAM, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2593	99	26	0.2	Peak	8.98	9.86	10	Pass



12.21. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:41540, Bandwidth:10, Modulation:QPSK, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2685	99	26	0.2	Peak	9	10.34	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
11.4

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 %
9.0022 MHz	x dB -26.00 dB
Transmit Freq Error -5.717 kHz	
x dB Bandwidth 10.343 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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12.22. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:41540, Bandwidth:10, Modulation:16QAM, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2685	99	26	0.2	Peak	8.97	10.06	10	Pass

Agilent

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

Ch Freq 2.685 GHz
Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 11.4 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 %
8.9702 MHz	x dB -26.00 dB
Transmit Freq Error 2.450 kHz	
x dB Bandwidth 10.058 MHz	

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12.23. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:41540, Bandwidth:10, Modulation:64QAM, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2685	99	26	0.2	Peak	9.03	10.46	10	Pass

Agilent

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

Ch Freq 2.685 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 11.4 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 %
9.0271 MHz	x dB -26.00 dB
Transmit Freq Error 5.993 kHz	
x dB Bandwidth 10.464 MHz	

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12.24. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:41540, Bandwidth:10, Modulation:256QAM, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2685	99	26	0.2	Peak	9.01	10.83	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 11.4 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 %
9.0146 MHz	x dB -26.00 dB
Transmit Freq Error -88.722 Hz	
x dB Bandwidth 10.826 MHz	

Power Stat CCDF

More 1 of 2

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12.25. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:39725, Bandwidth:15, Modulation:QPSK, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2503.5	99	26	0.3	Peak	13.49	15.55	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
11.2

dB

Center 2.503 50 GHz
Span 30 MHz

#Res BW 300 kHz
#VBW 620 kHz
#Sweep 10 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
13.4929 MHz	x dB -26.00 dB
Transmit Freq Error 8.989 kHz	
x dB Bandwidth 15.546 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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12.26. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:39725, Bandwidth:15, Modulation:16QAM, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2503.5	99	26	0.3	Peak	13.48	15.05	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 11.2 dB

Center 2.503 50 GHz Span 30 MHz

#Res BW 300 kHz #VBW 620 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 Occ BW % Pwr 99.00 %

13.4753 MHz x dB -26.00 dB

Transmit Freq Error 5.445 kHz

x dB Bandwidth 15.048 MHz

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12.27. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:39725, Bandwidth:15, Modulation:64QAM, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2503.5	99	26	0.3	Peak	13.47	15.32	15	Pass

Agilent

Measure

Ch Freq 2.5035 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

Center 2.503 50 GHz
Span 30 MHz

#Res BW 300 kHz
#VBW 620 kHz
#Sweep 10 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
13.4729 MHz	x dB -26.00 dB
Transmit Freq Error 12.243 kHz	
x dB Bandwidth 15.318 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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12.28. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:39725, Bandwidth:15, Modulation:256QAM, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2503.5	99	26	0.3	Peak	13.48	14.94	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
11.2

dB

Center 2.503 50 GHz
Span 30 MHz

#Res BW 300 kHz
#VBW 620 kHz
#Sweep 10 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
13.4809 MHz	x dB -26.00 dB
Transmit Freq Error -15.931 kHz	
x dB Bandwidth 14.942 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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12.29. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:40620, Bandwidth:15, Modulation:QPSK, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2593	99	26	0.3	Peak	13.51	16.04	15	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

Occupied Bandwidth

13.5070 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -434.123 Hz

x dB Bandwidth 16.041 MHz

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12.30. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:40620, Bandwidth:15, Modulation:16QAM, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2593	99	26	0.3	Peak	13.49	14.82	15	Pass

Agilent

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

Ch Freq 2.593 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.3 dB

Center 2.593 00 GHz Span 30 MHz

#Res BW 300 kHz #VBW 620 kHz #Sweep 10 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
13.4950 MHz	x dB -26.00 dB
Transmit Freq Error -3.275 kHz	
x dB Bandwidth 14.820 MHz	

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12.31. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:40620, Bandwidth:15, Modulation:64QAM, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2593	99	26	0.3	Peak	13.46	15.1	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
11.3 dB

Center 2.593 00 GHz
Span 30 MHz

#Res BW 300 kHz
#VBW 620 kHz
#Sweep 10 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
13.4606 MHz	x dB -26.00 dB
Transmit Freq Error -2.843 kHz	
x dB Bandwidth 15.100 MHz	

Power Stat CCDF
More 1 of 2

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12.32. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:40620, Bandwidth:15, Modulation:256QAM, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2593	99	26	0.3	Peak	13.49	15.02	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is 2.593 GHz. The main display shows a spectrum plot with a yellow trace. The plot parameters include a reference level of 30 dBm, a resolution bandwidth of 300 kHz, and a video bandwidth of 620 kHz. The occupied bandwidth is measured as 13.4859 MHz, which is 99.00% of the 15 MHz channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -10.041 kHz. The XdB bandwidth is 15.015 MHz. The interface also shows a 'Measure' menu with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The copyright notice at the bottom reads 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
13.4859 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -10.041 kHz
x dB Bandwidth: 15.015 MHz

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12.33. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:41515, Bandwidth:15, Modulation:QPSK, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2682.5	99	26	0.3	Peak	13.5	15.92	15	Pass

Agilent

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

Ch Freq 2.6825 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 11.4 dB

Center 2.682 50 GHz Span 30 MHz

#Res BW 300 kHz #VBW 620 kHz #Sweep 10 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
13.5025 MHz	x dB -26.00 dB
Transmit Freq Error -5.048 kHz	
x dB Bandwidth 15.924 MHz	

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12.34. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:41515, Bandwidth:15, Modulation:16QAM, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2682.5	99	26	0.3	Peak	13.48	14.78	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

11.4 dB

Center 2.682 50 GHz
Span 30 MHz

#Res BW 300 kHz
#VBW 620 kHz
#Sweep 10 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
13.4831 MHz	x dB -26.00 dB
Transmit Freq Error -11.451 kHz	
x dB Bandwidth 14.782 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More

1 of 2

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12.35. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:41515, Bandwidth:15, Modulation:64QAM, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2682.5	99	26	0.3	Peak	13.47	15.14	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 11.4 dB

Center 2.682 50 GHz Span 30 MHz

#Res BW 300 kHz #VBW 620 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 Occ BW % Pwr 99.00 %

13.4686 MHz x dB -26.00 dB

Transmit Freq Error -13.957 kHz

x dB Bandwidth 15.140 MHz

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12.36. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:41515, Bandwidth:15, Modulation:256QAM, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2682.5	99	26	0.3	Peak	13.49	15.14	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 11.4 dB

Center 2.682 50 GHz Span 30 MHz

#Res BW 300 kHz #VBW 620 kHz #Sweep 10 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
13.4878 MHz	x dB -26.00 dB
Transmit Freq Error -30.906 kHz	
x dB Bandwidth 15.139 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More

1 of 2

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12.37. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:39750, Bandwidth:20, Modulation:QPSK, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2506	99	26	0.39	Peak	17.96	19.83	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 11.2 dB

Center 2.506 00 GHz Span 40 MHz

#Res BW 390 kHz #VBW 620 kHz #Sweep 10 s (512 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 %

17.9602 MHz x dB -26.00 dB

Transmit Freq Error 26.201 kHz

x dB Bandwidth 19.826 MHz

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12.38. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:39750, Bandwidth:20, Modulation:16QAM, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2506	99	26	0.39	Peak	17.97	20.49	20	Pass

Agilent

Ch Freq 2.506 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 11.2 dB

Center 2.506 00 GHz Span 40 MHz

#Res BW 390 kHz #VBW 620 kHz #Sweep 10 s (512 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
17.9711 MHz	x dB	-26.00 dB
Transmit Freq Error		-8.478 kHz
x dB Bandwidth		20.490 MHz

Measure

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

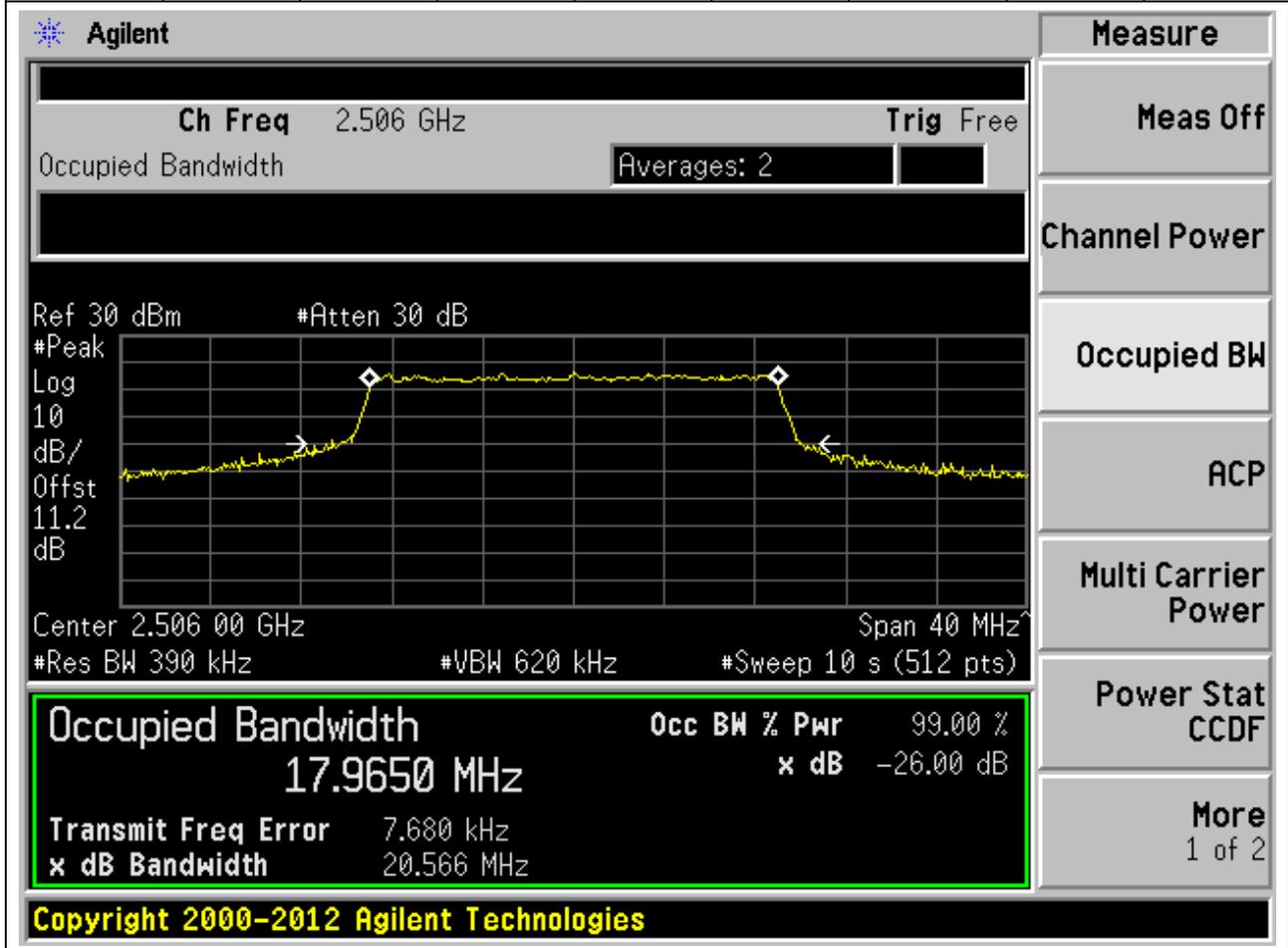
Power Stat CCDF

More 1 of 2

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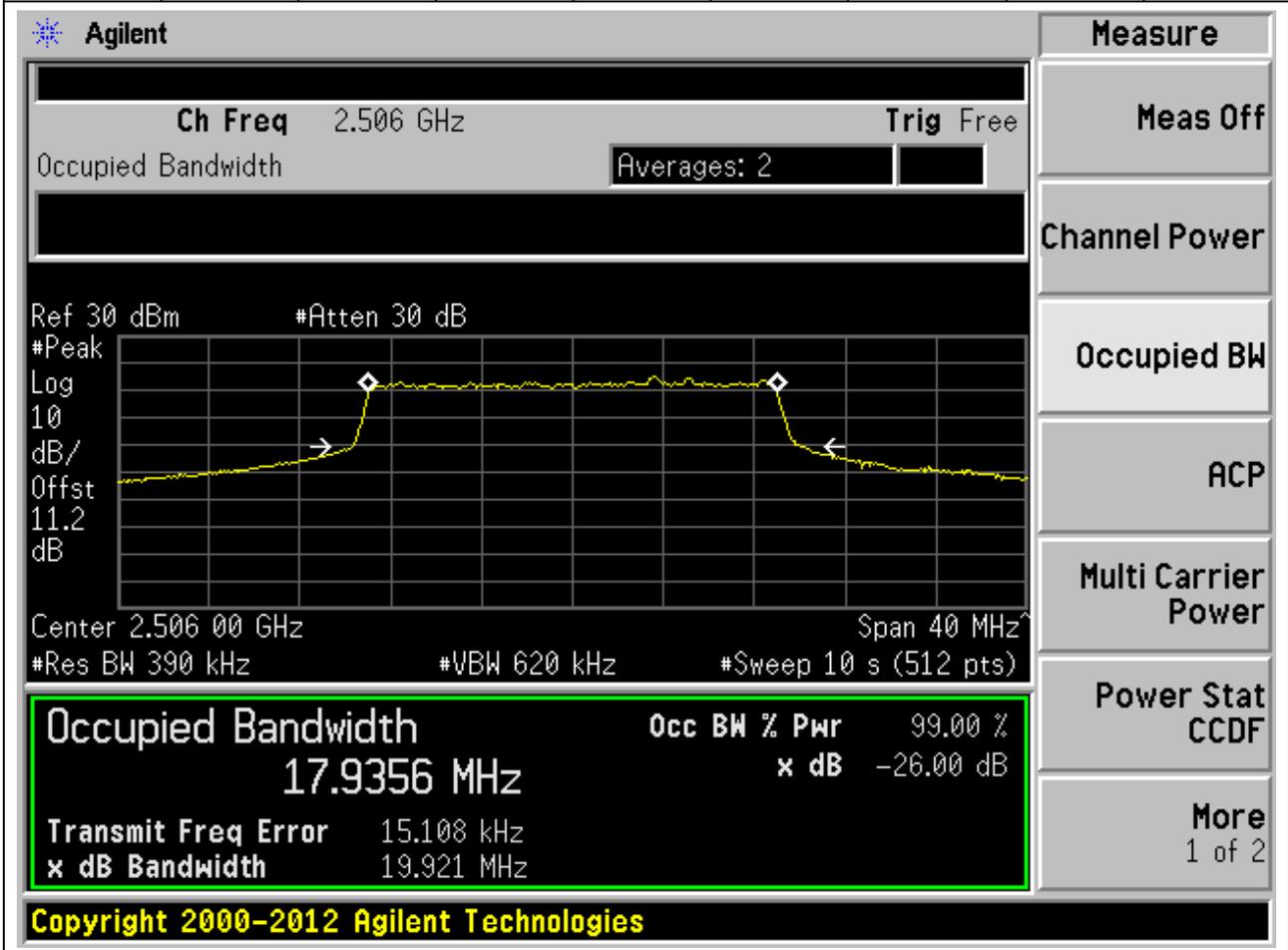
12.39. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:39750, Bandwidth:20, Modulation:64QAM, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2506	99	26	0.39	Peak	17.96	20.57	20	Pass



12.40. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:39750, Bandwidth:20, Modulation:256QAM, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2506	99	26	0.39	Peak	17.94	19.92	20	Pass



12.41. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:40620, Bandwidth:20, Modulation:QPSK, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2593	99	26	0.39	Peak	17.95	20.03	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 11.3 dB

Center 2.593 00 GHz Span 40 MHz

#Res BW 390 kHz #VBW 620 kHz #Sweep 10 s (512 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
17.9534 MHz	x dB -26.00 dB
Transmit Freq Error 17.385 kHz	
x dB Bandwidth 20.034 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

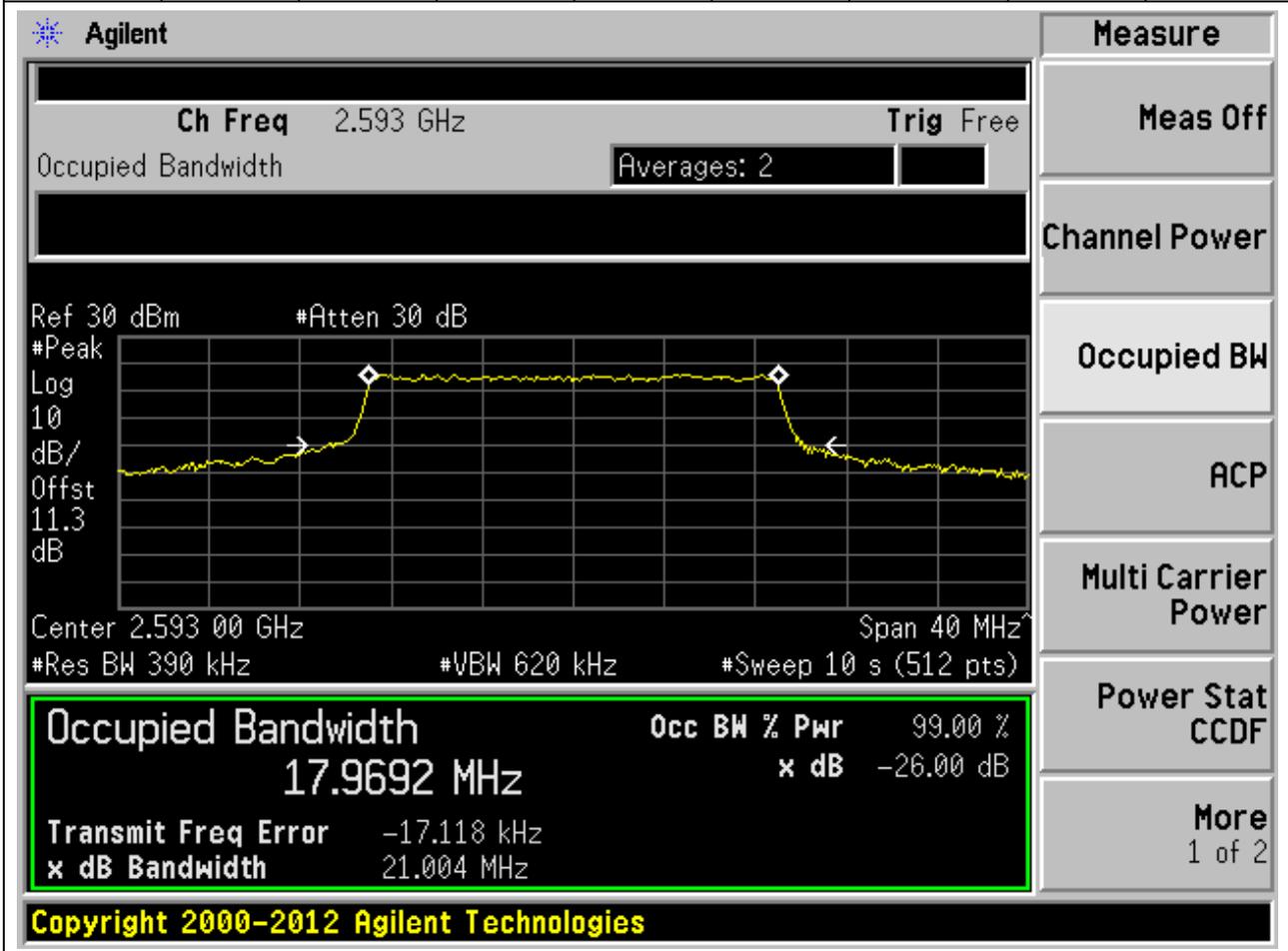
Multi Carrier Power

Power Stat CCDF

More 1 of 2

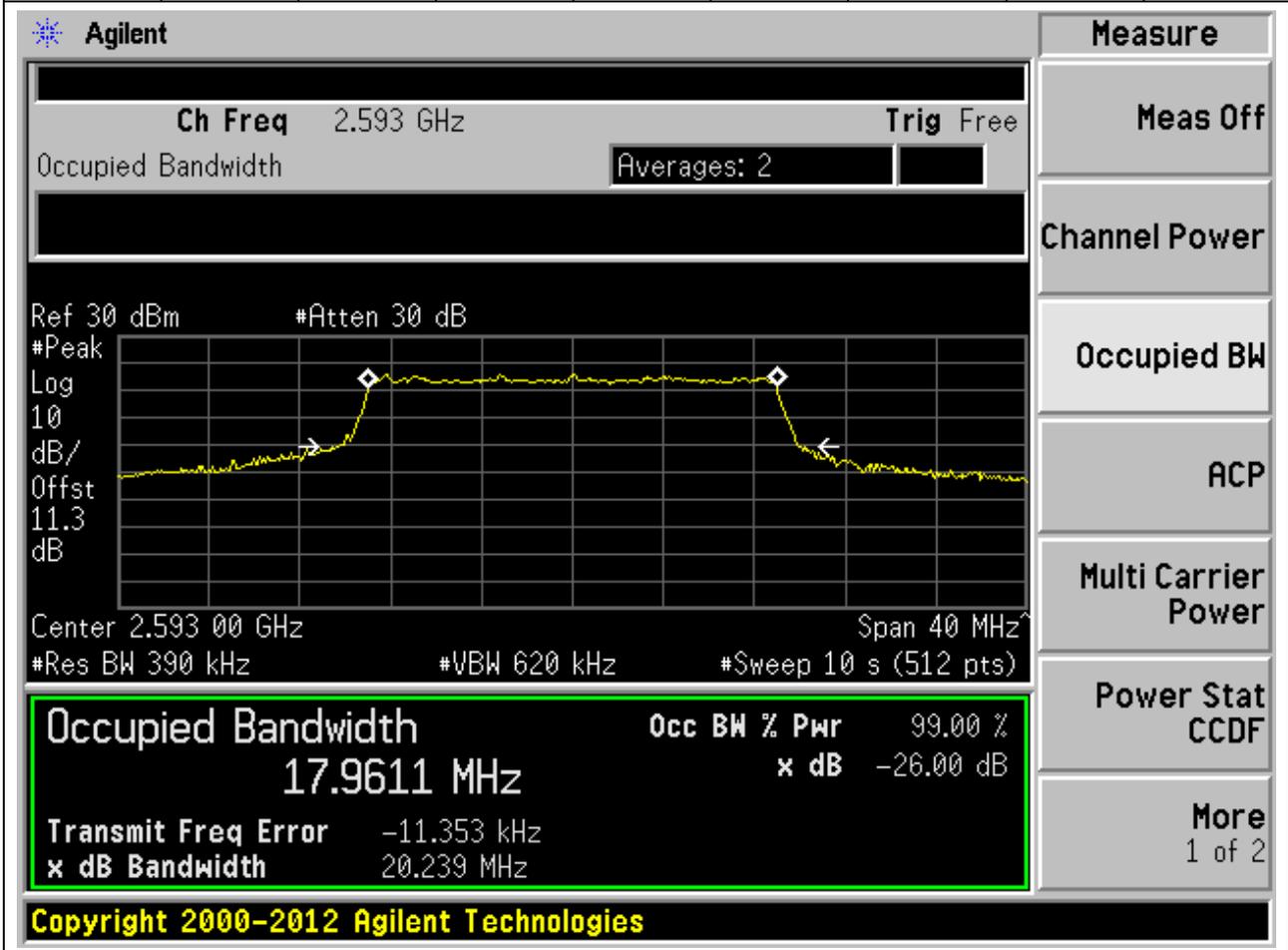
12.42. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:40620, Bandwidth:20, Modulation:16QAM, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2593	99	26	0.39	Peak	17.97	21	20	Pass



12.43. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:40620, Bandwidth:20, Modulation:64QAM, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2593	99	26	0.39	Peak	17.96	20.24	20	Pass



12.44. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:40620, Bandwidth:20, Modulation:256QAM, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2593	99	26	0.39	Peak	17.94	20	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is 2.593 GHz. The main display shows a spectrum plot with a yellow trace. The plot parameters include a reference level of 30 dBm, a peak level of 10 dB, and an offset of 11.3 dB. The occupied bandwidth is highlighted in a green box, showing a value of 17.9413 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is 609.298 Hz and the XdB bandwidth is 19.998 MHz. The interface also shows various measurement buttons on the right side, such as 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The copyright notice at the bottom reads 'Copyright 2000-2012 Agilent Technologies'.

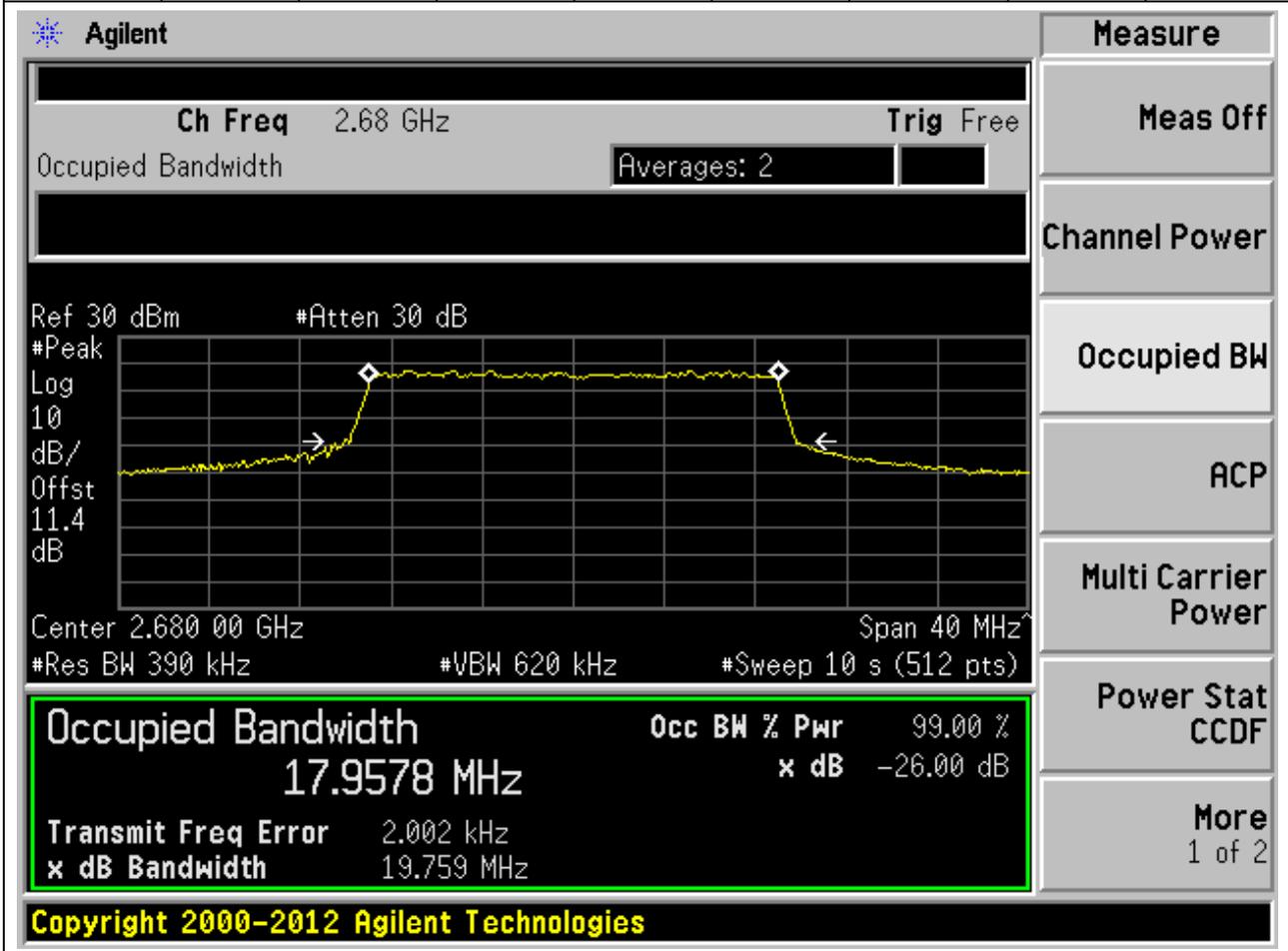
Occupied Bandwidth	Occ BW % Pwr	x dB
17.9413 MHz	99.00 %	-26.00 dB

Transmit Freq Error: 609.298 Hz
 x dB Bandwidth: 19.998 MHz

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12.45. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:41490, Bandwidth:20, Modulation:QPSK, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2680	99	26	0.39	Peak	17.96	19.76	20	Pass



12.46. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:41490, Bandwidth:20, Modulation:16QAM, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2680	99	26	0.39	Peak	17.98	20.8	20	Pass

Agilent

Ch Freq 2.68 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 11.4 dB

Center 2.680 00 GHz Span 40 MHz

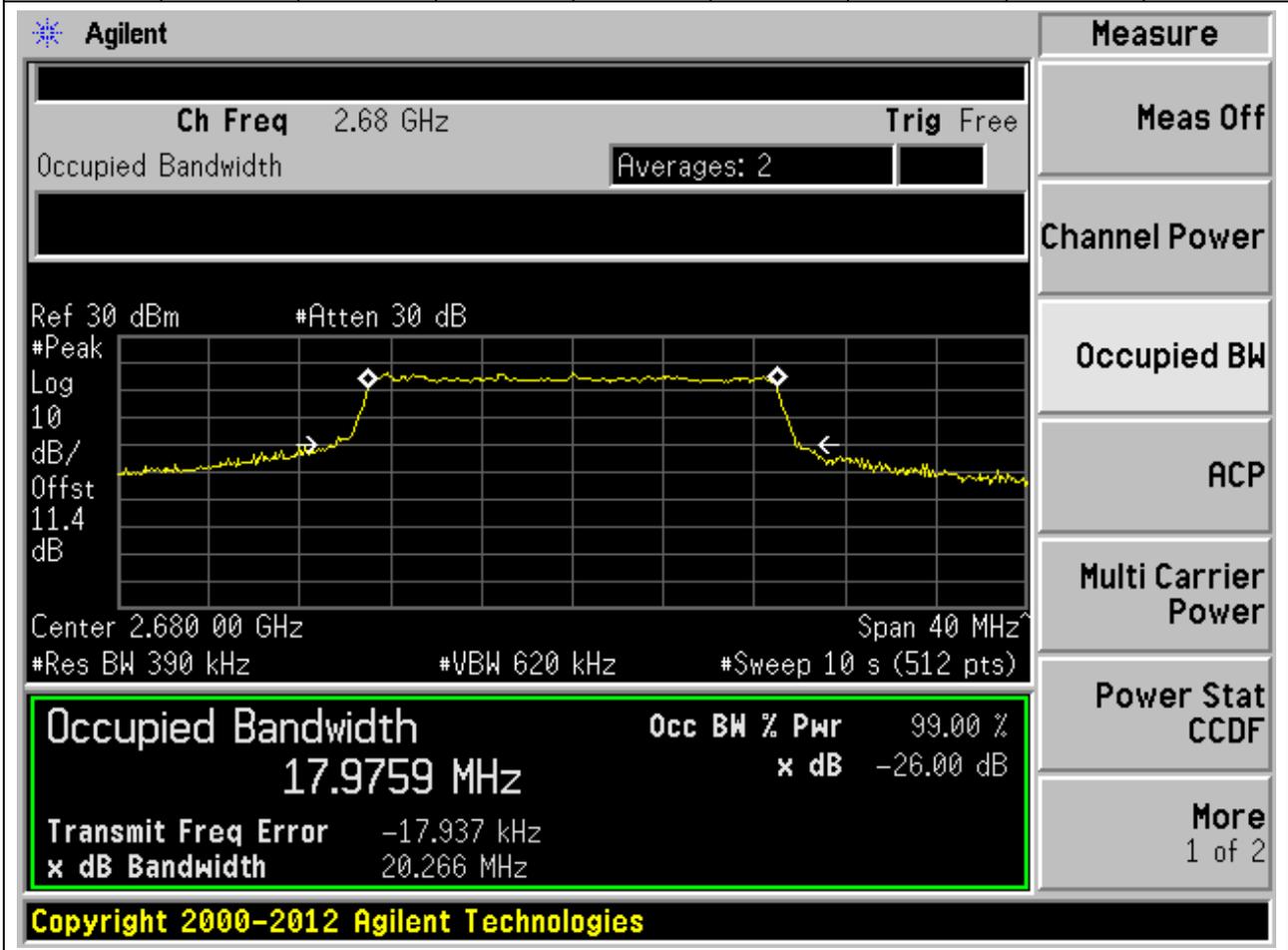
#Res BW 390 kHz #VBW 620 kHz #Sweep 10 s (512 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
17.9776 MHz	x dB	-26.00 dB
Transmit Freq Error		-26.690 kHz
x dB Bandwidth		20.796 MHz

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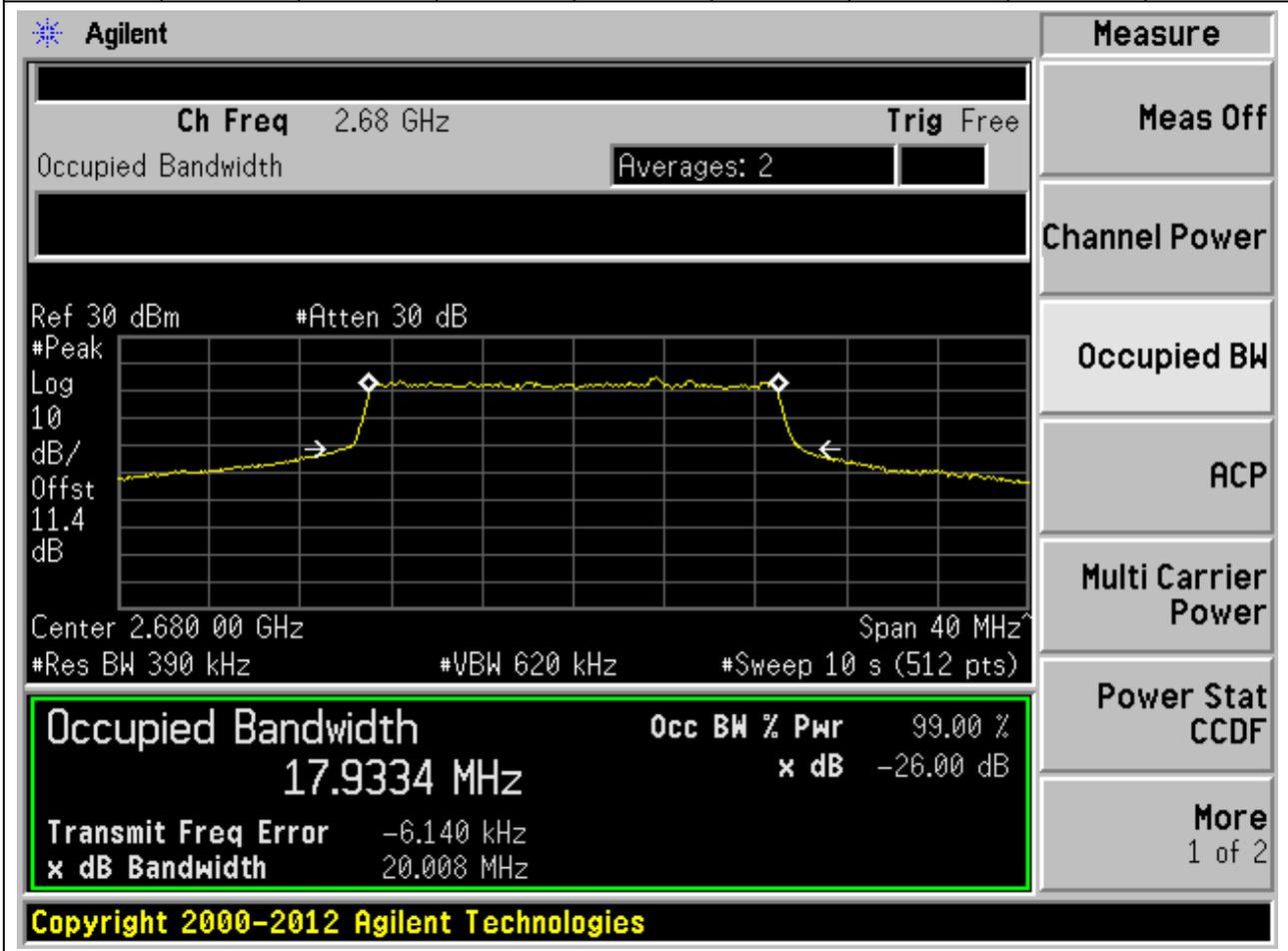
12.47. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:41490, Bandwidth:20, Modulation:64QAM, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2680	99	26	0.39	Peak	17.98	20.27	20	Pass



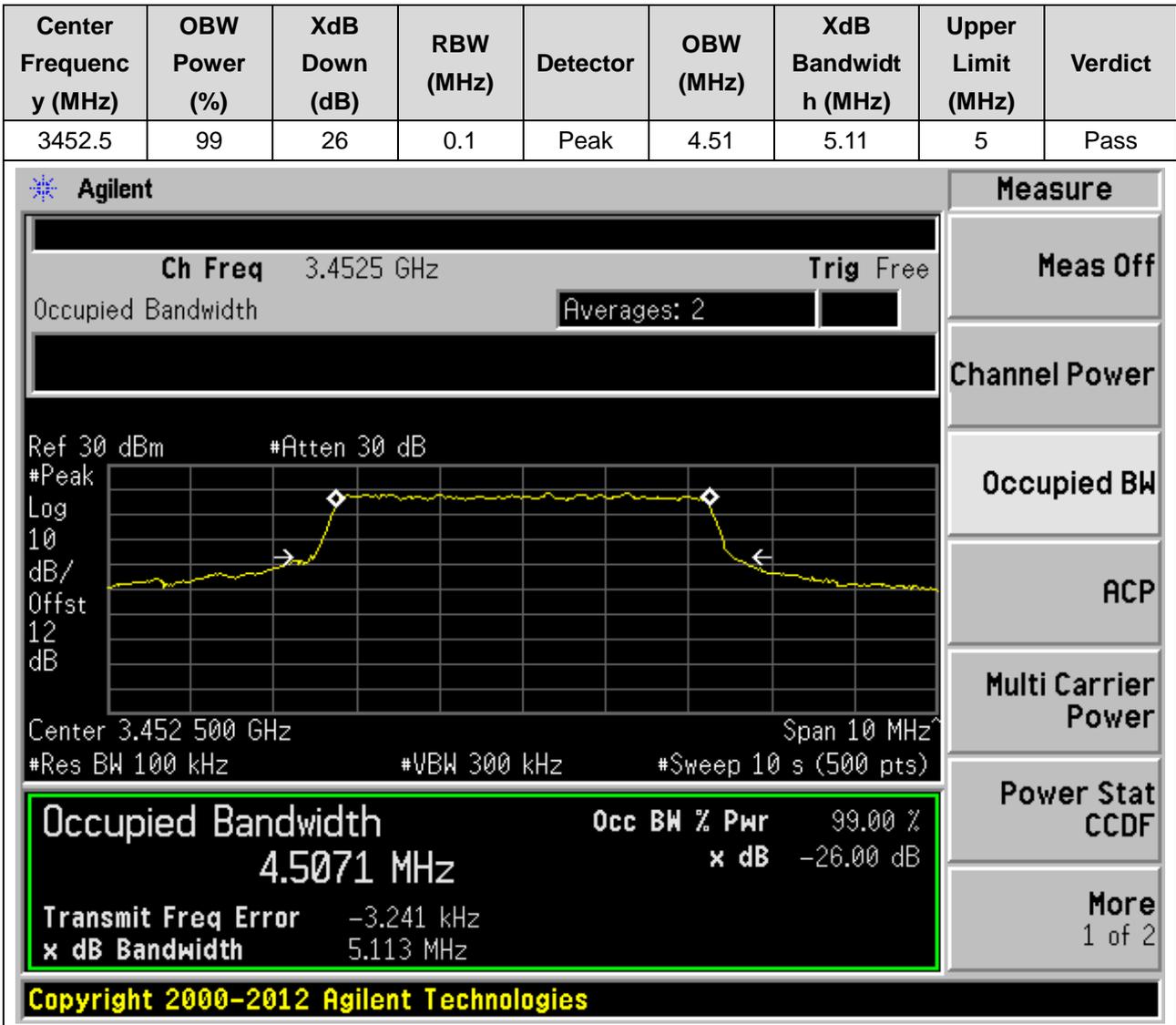
12.48. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:41490, Bandwidth:20, Modulation:256QAM, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2680	99	26	0.39	Peak	17.93	20.01	20	Pass



13. LTE_Band42 3450-3550

13.1. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:42115, Bandwidth:5, Modulation:QPSK, RB Number:25, RB Position:0)



13.2. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:42115, Bandwidth:5, Modulation:16QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3452.5	99	26	0.1	Peak	4.5	5.22	5	Pass

Agilent

Measure

Ch Freq 3.4525 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
12

dB

Center 3.452 500 GHz
Span 10 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
4.5004 MHz	x dB -26.00 dB
Transmit Freq Error -4.102 kHz	
x dB Bandwidth 5.215 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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13.3. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:42115, Bandwidth:5, Modulation:64QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3452.5	99	26	0.1	Peak	4.5	4.93	5	Pass

Agilent

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

Ch Freq 3.4525 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 12 dB

Center 3.452 500 GHz Span 10 MHz

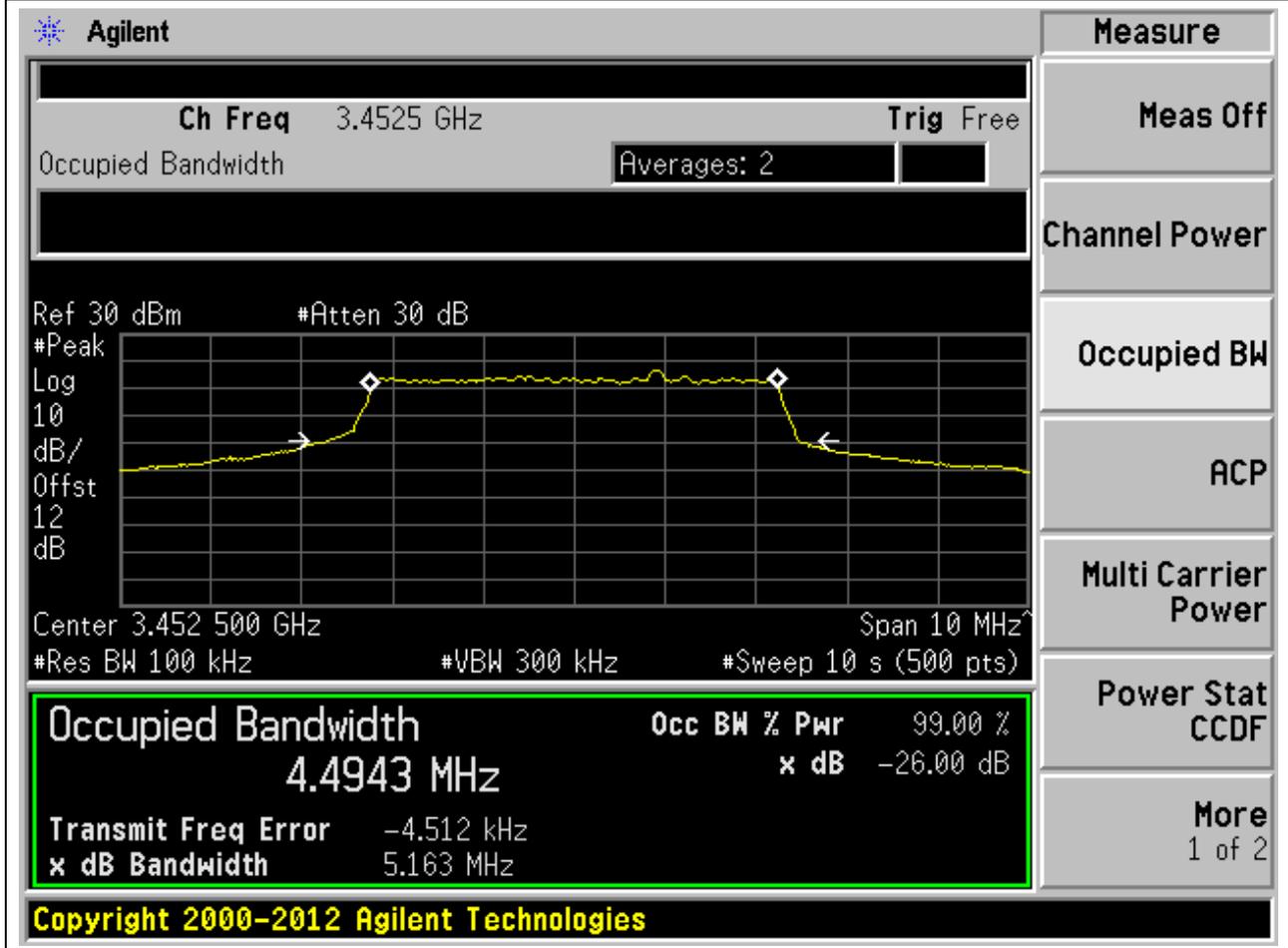
#Res BW 100 kHz #VBW 300 kHz #Sweep 10 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
4.5002 MHz	x dB -26.00 dB
Transmit Freq Error -1.501 kHz	
x dB Bandwidth 4.932 MHz	

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13.4. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:42115, Bandwidth:5, Modulation:256QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3452.5	99	26	0.1	Peak	4.49	5.16	5	Pass



13.5. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:42590, Bandwidth:5, Modulation:QPSK, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3500	99	26	0.1	Peak	4.51	5.09	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is set to 3.5 GHz. The main display shows a spectrum plot with a yellow trace representing the signal. The plot is set to a resolution bandwidth of 100 kHz and a video bandwidth of 300 kHz. The signal level is approximately -26 dB. The Occupied Bandwidth (OBW) is measured as 4.5055 MHz, which is 99.00% of the 5.09 MHz bandwidth. The XdB Down is -26.00 dB. The interface also shows various measurement controls and a 'Measure' menu on the right side.

Occupied Bandwidth	Occ BW % Pwr	x dB
4.5055 MHz	99.00 %	-26.00 dB

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13.6. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:42590, Bandwidth:5, Modulation:16QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3500	99	26	0.1	Peak	4.5	5.19	5	Pass

Agilent

Ch Freq 3.5 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 12.1 dB

Center 3.500 000 GHz Span 10 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.5005 MHz	x dB	-26.00 dB
Transmit Freq Error		-4.105 kHz
x dB Bandwidth		5.192 MHz

Measure

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

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13.7. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:42590, Bandwidth:5, Modulation:64QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3500	99	26	0.1	Peak	4.5	4.94	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is set to 3.5 GHz. The main display shows a spectrum plot with a yellow trace representing the signal. The plot is set to a logarithmic scale (Log) with a resolution bandwidth of 100 kHz and a video bandwidth of 300 kHz. The center frequency is 3.500 000 GHz and the span is 10 MHz. The occupied bandwidth is measured as 4.5013 MHz, which is 99.00% of the 4.5 MHz channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -5.894 kHz. The XdB bandwidth is 4.938 MHz. The interface also shows a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The bottom of the screen displays the copyright information: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.5013 MHz	x dB	-26.00 dB
Transmit Freq Error		-5.894 kHz
x dB Bandwidth		4.938 MHz

13.8. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:42590, Bandwidth:5, Modulation:256QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3500	99	26	0.1	Peak	4.5	5.2	5	Pass

Agilent

Ch Freq 3.5 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 12.1 dB

Center 3.500 000 GHz Span 10 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.5001 MHz	x dB	-26.00 dB
Transmit Freq Error		-6.427 kHz
x dB Bandwidth		5.205 MHz

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Measure

Meas Off

Channel Power

Occupied BW

ACP

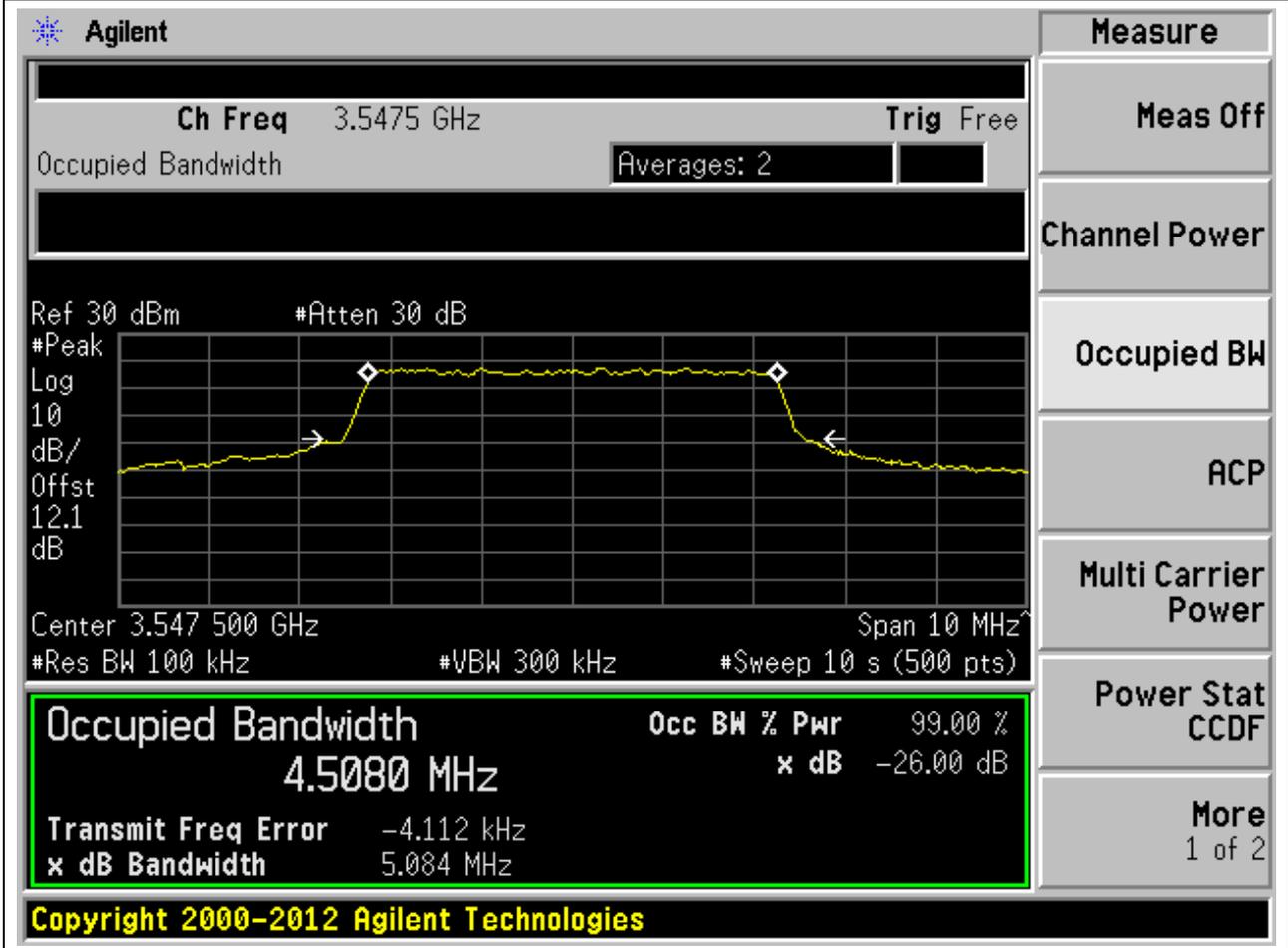
Multi Carrier Power

Power Stat CCDF

More 1 of 2

13.9. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:43065, Bandwidth:5, Modulation:QPSK, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3547.5	99	26	0.1	Peak	4.51	5.08	5	Pass



13.10. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:43065, Bandwidth:5, Modulation:16QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3547.5	99	26	0.1	Peak	4.5	5.23	5	Pass

Agilent

Measure

Ch Freq 3.5475 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 12.1 dB

Center 3.547 500 GHz Span 10 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
4.5015 MHz	x dB -26.00 dB
Transmit Freq Error -3.359 kHz	
x dB Bandwidth 5.228 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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13.11. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:43065, Bandwidth:5, Modulation:64QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3547.5	99	26	0.1	Peak	4.5	4.95	5	Pass

Agilent
Measure

Ch Freq 3.5475 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 12.1 dB

Center 3.547 500 GHz Span 10 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
4.4968 MHz	x dB -26.00 dB
Transmit Freq Error -1.239 kHz	
x dB Bandwidth 4.951 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

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13.12. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:43065, Bandwidth:5, Modulation:256QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3547.5	99	26	0.1	Peak	4.5	5.19	5	Pass

Agilent
Measure

Ch Freq 3.5475 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 12.1 dB

Center 3.547 500 GHz Span 10 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
4.4992 MHz	x dB -26.00 dB
Transmit Freq Error -4.653 kHz	
x dB Bandwidth 5.190 MHz	

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13.13. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:42140, Bandwidth:10, Modulation:QPSK, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3455	99	26	0.2	Peak	9	10.26	10	Pass

Agilent

Measure

Ch Freq 3.455 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
12

dB

Center 3.455 00 GHz
Span 20 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
8.9993 MHz	x dB -26.00 dB
Transmit Freq Error 532.695 Hz	
x dB Bandwidth 10.261 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(added 64QAM&256QAM)(NTNV)(Channel:42140, Bandwidth:10, Modulation:16QAM, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3455	99	26	0.2	Peak	8.96	9.83	10	Pass

Agilent

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

Ch Freq 3.455 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 12 dB

Center 3.455 00 GHz Span 20 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
8.9610 MHz	x dB -26.00 dB
Transmit Freq Error -308.758 Hz	
x dB Bandwidth 9.827 MHz	

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13.15. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:42140, Bandwidth:10, Modulation:64QAM, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3455	99	26	0.2	Peak	9	10.18	10	Pass

Agilent

Measure

Ch Freq 3.455 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 12 dB

Center 3.455 00 GHz Span 20 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
8.9989 MHz	x dB -26.00 dB
Transmit Freq Error 10.105 kHz	
x dB Bandwidth 10.184 MHz	

Power Stat CCDF

More 1 of 2

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13.16. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:42140, Bandwidth:10, Modulation:256QAM, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3455	99	26	0.2	Peak	8.97	9.97	10	Pass

Agilent
Measure

Ch Freq 3.455 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 3.455 00 GHz Span 20 MHz

#Res BW 200 kHz #VBW 620 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

8.9732 MHz

Transmit Freq Error 7.517 kHz

x dB Bandwidth 9.969 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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13.17. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:42590, Bandwidth:10, Modulation:QPSK, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3500	99	26	0.2	Peak	8.99	10.3	10	Pass

Agilent

Ch Freq 3.5 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 12.1 dB

Center 3.500 00 GHz Span 20 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
8.9878 MHz	x dB	-26.00 dB
Transmit Freq Error		3.956 kHz
x dB Bandwidth		10.295 MHz

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13.18. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:42590, Bandwidth:10, Modulation:16QAM, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3500	99	26	0.2	Peak	8.96	10.05	10	Pass

Agilent

Ch Freq 3.5 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 12.1 dB

Center 3.500 00 GHz Span 20 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
8.9595 MHz	x dB	-26.00 dB
Transmit Freq Error	1.204 kHz	
x dB Bandwidth	10.050 MHz	

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Measure

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

13.19. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:42590, Bandwidth:10, Modulation:64QAM, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3500	99	26	0.2	Peak	9.01	10.18	10	Pass

Agilent

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

Ch Freq 3.5 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 12.1 dB

Center 3.500 00 GHz Span 20 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
9.0069 MHz	x dB -26.00 dB
Transmit Freq Error 5.475 kHz	
x dB Bandwidth 10.184 MHz	

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13.20. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:42590, Bandwidth:10, Modulation:256QAM, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3500	99	26	0.2	Peak	8.98	9.93	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is set to 3.5 GHz. The main display shows a spectrum plot with a yellow trace representing the signal. The plot is set to a reference level of 30 dBm and an attenuation of 30 dB. The occupied bandwidth is highlighted with a green box, showing a value of 8.9762 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is 621.395 Hz and the XdB bandwidth is 9.933 MHz. The interface also includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
8.9762 MHz	99.00 %	-26.00 dB

Transmit Freq Error: 621.395 Hz
x dB Bandwidth: 9.933 MHz

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13.21. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:43040, Bandwidth:10, Modulation:QPSK, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3545	99	26	0.2	Peak	8.99	10.55	10	Pass

Agilent

Measure

Ch Freq 3.545 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
12.1

dB

Center 3.545 00 GHz
Span 20 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
8.9905 MHz	x dB -26.00 dB
Transmit Freq Error 470.429 Hz	
x dB Bandwidth 10.549 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

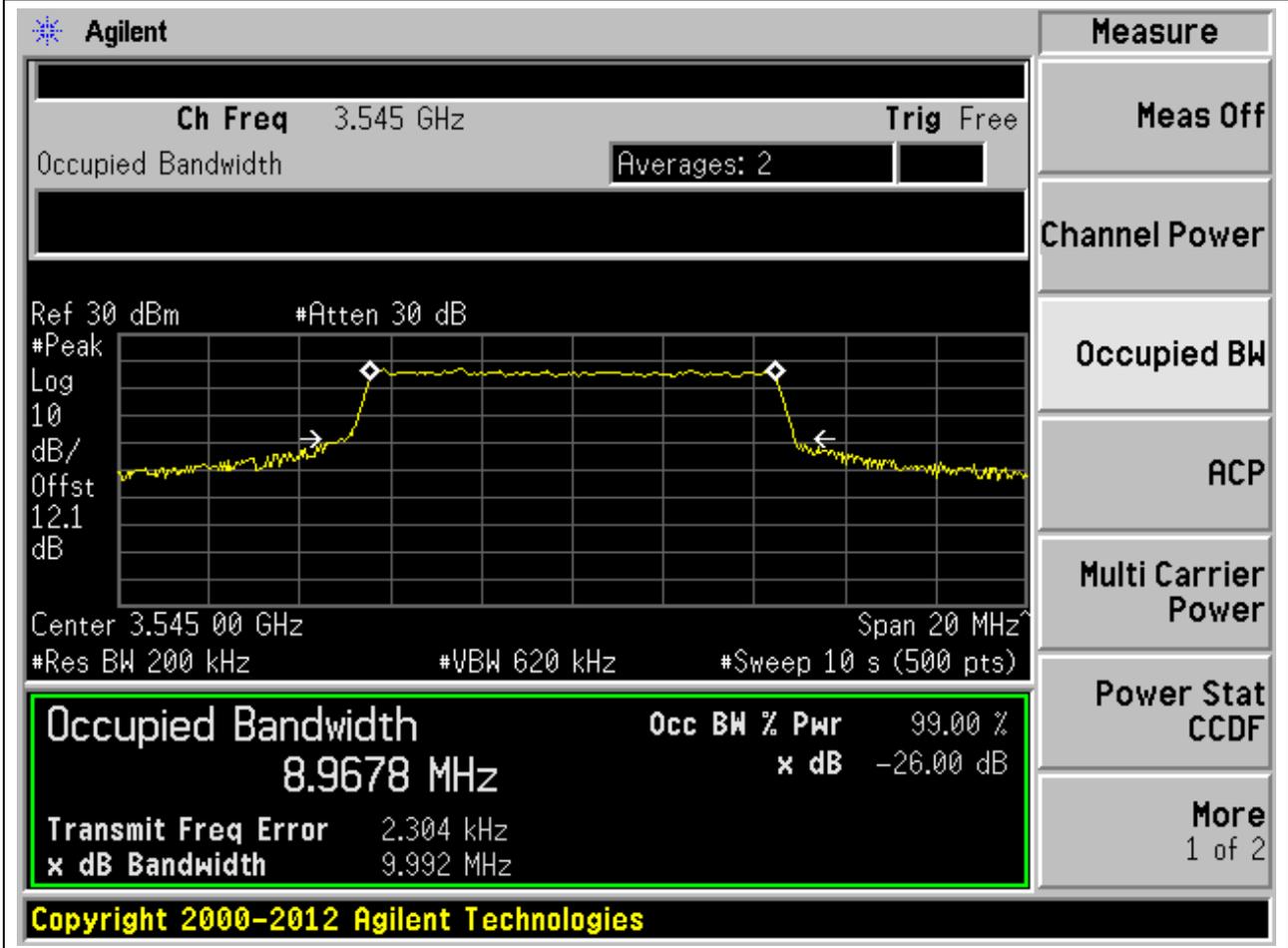
Power Stat CCDF

More
1 of 2

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13.22. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:43040, Bandwidth:10, Modulation:16QAM, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3545	99	26	0.2	Peak	8.97	9.99	10	Pass



13.23. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:43040, Bandwidth:10, Modulation:64QAM, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3545	99	26	0.2	Peak	9	10.31	10	Pass

Agilent

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

Ch Freq 3.545 GHz
Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 12.1 dB

Center 3.545 00 GHz Span 20 MHz

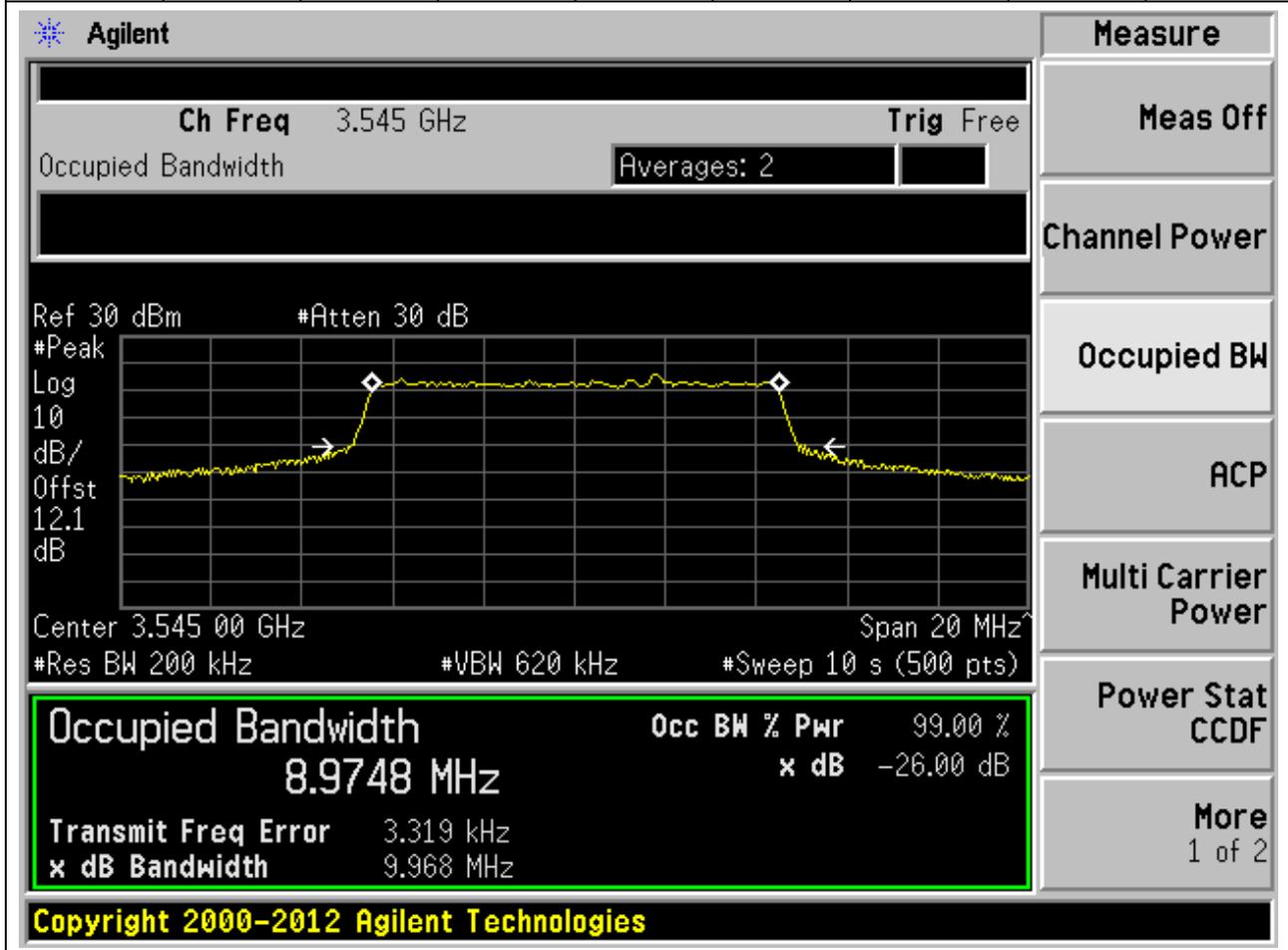
#Res BW 200 kHz #VBW 620 kHz #Sweep 10 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
9.0000 MHz	x dB -26.00 dB
Transmit Freq Error 5.035 kHz	
x dB Bandwidth 10.308 MHz	

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13.24. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:43040, Bandwidth:10, Modulation:256QAM, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3545	99	26	0.2	Peak	8.97	9.97	10	Pass



13.25. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:42165, Bandwidth:15, Modulation:QPSK, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3457.5	99	26	0.3	Peak	13.49	15.34	15	Pass

Agilent

Measure

Ch Freq 3.4575 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
12

dB

Center 3.457 50 GHz
Span 30 MHz

#Res BW 300 kHz
#VBW 620 kHz
#Sweep 10 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
13.4871 MHz	x dB -26.00 dB
Transmit Freq Error 8.499 kHz	
x dB Bandwidth 15.342 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More

1 of 2

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13.26. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:42165, Bandwidth:15, Modulation:16QAM, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3457.5	99	26	0.3	Peak	13.49	15.04	15	Pass

Agilent

Measure

Ch Freq 3.4575 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
12

dB

Center 3.457 50 GHz
Span 30 MHz

#Res BW 300 kHz
#VBW 620 kHz
#Sweep 10 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
13.4902 MHz	x dB -26.00 dB
Transmit Freq Error -8.677 kHz	
x dB Bandwidth 15.036 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More

1 of 2

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13.27. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:42165, Bandwidth:15, Modulation:64QAM, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3457.5	99	26	0.3	Peak	13.45	15.26	15	Pass

Agilent

Measure

Ch Freq 3.4575 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10 dB/Offst
12 dB

Center 3.457 50 GHz
Span 30 MHz

#Res BW 300 kHz
#VBW 620 kHz
#Sweep 10 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
13.4548 MHz	x dB -26.00 dB
Transmit Freq Error -14.641 kHz	
x dB Bandwidth 15.258 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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13.28. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:42165, Bandwidth:15, Modulation:256QAM, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3457.5	99	26	0.3	Peak	13.48	14.88	15	Pass

Agilent

Measure

Ch Freq 3.4575 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
12

dB

Center 3.457 50 GHz
Span 30 MHz

#Res BW 300 kHz
#VBW 620 kHz
#Sweep 10 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
13.4816 MHz	x dB	-26.00 dB
Transmit Freq Error		-16.687 kHz
x dB Bandwidth		14.882 MHz

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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13.29. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:42590, Bandwidth:15, Modulation:QPSK, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3500	99	26	0.3	Peak	13.49	15.34	15	Pass

Agilent
Measure

Ch Freq 3.5 GHz
Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 3.500 00 GHz Span 30 MHz
 #Res BW 300 kHz #VBW 620 kHz #Sweep 10 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
13.4909 MHz	x dB -26.00 dB
Transmit Freq Error 3.260 kHz	
x dB Bandwidth 15.339 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

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13.30. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:42590, Bandwidth:15, Modulation:16QAM, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3500	99	26	0.3	Peak	13.48	15.31	15	Pass

Agilent

Measure

Ch Freq 3.5 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 12.1 dB

Center 3.500 00 GHz Span 30 MHz

#Res BW 300 kHz #VBW 620 kHz #Sweep 10 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
13.4819 MHz	x dB -26.00 dB
Transmit Freq Error -13.059 kHz	
x dB Bandwidth 15.312 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

13.31. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:42590, Bandwidth:15, Modulation:64QAM, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3500	99	26	0.3	Peak	13.46	15.26	15	Pass

Agilent
Measure

Ch Freq 3.5 GHz Trig Free

Occupied Bandwidth Averages: 2

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

Occupied Bandwidth

13.4621 MHz

Transmit Freq Error -18.350 kHz

x dB Bandwidth 15.258 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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13.32. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:42590, Bandwidth:15, Modulation:256QAM, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3500	99	26	0.3	Peak	13.49	14.93	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is set to 3.5 GHz. The main display shows a spectrum plot with a yellow trace representing the signal. The plot is set to a logarithmic scale (Log) with a resolution bandwidth of 300 kHz and a video bandwidth of 620 kHz. The center frequency is 3.50000 GHz and the span is 30 MHz. The occupied bandwidth is measured as 13.4897 MHz, which is 99.00% of the total bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -18.824 kHz, and the XdB bandwidth is 14.931 MHz. The interface also shows various measurement buttons on the right side, such as 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The bottom of the screen displays the copyright information: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
13.4897 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -18.824 kHz
 x dB Bandwidth: 14.931 MHz

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13.33. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:43015, Bandwidth:15, Modulation:QPSK, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3542.5	99	26	0.3	Peak	13.49	15.39	15	Pass

Agilent
Measure

Ch Freq 3.5425 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 12.1 dB

Center 3.542 50 GHz Span 30 MHz

#Res BW 300 kHz #VBW 620 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	Occ BW % Pwr 99.00 %
13.4922 MHz	x dB -26.00 dB
Transmit Freq Error 175.957 Hz	
x dB Bandwidth 15.388 MHz	

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13.34. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:43015, Bandwidth:15, Modulation:16QAM, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3542.5	99	26	0.3	Peak	13.49	15.05	15	Pass

Agilent
Measure

Ch Freq 3.5425 GHz Trig Free

Occupied Bandwidth Averages: 2

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

Occupied Bandwidth

13.4921 MHz

Transmit Freq Error -3.417 kHz

x dB Bandwidth 15.052 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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13.35. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:43015, Bandwidth:15, Modulation:64QAM, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3542.5	99	26	0.3	Peak	13.46	15.23	15	Pass

Agilent

Measure

Ch Freq 3.5425 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 12.1 dB

Center 3.542 50 GHz Span 30 MHz

#Res BW 300 kHz #VBW 620 kHz #Sweep 10 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
13.4619 MHz	x dB -26.00 dB
Transmit Freq Error -15.972 kHz	
x dB Bandwidth 15.233 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

13.36. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:43015, Bandwidth:15, Modulation:256QAM, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3542.5	99	26	0.3	Peak	13.49	14.89	15	Pass

Agilent

Measure

Ch Freq 3.5425 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 12.1 dB

Center 3.542 50 GHz Span 30 MHz

#Res BW 300 kHz #VBW 620 kHz #Sweep 10 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
13.4866 MHz	x dB -26.00 dB
Transmit Freq Error -18.516 kHz	
x dB Bandwidth 14.888 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More

1 of 2

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13.37. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:42190, Bandwidth:20, Modulation:QPSK, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3460	99	26	0.39	Peak	17.94	20.07	20	Pass

Agilent

Measure

Ch Freq 3.46 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

Center 3.460 00 GHz
Span 40 MHz

#Res BW 390 kHz
#VBW 620 kHz
#Sweep 10 s (512 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
17.9441 MHz	x dB -26.00 dB
Transmit Freq Error 7.320 kHz	
x dB Bandwidth 20.073 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

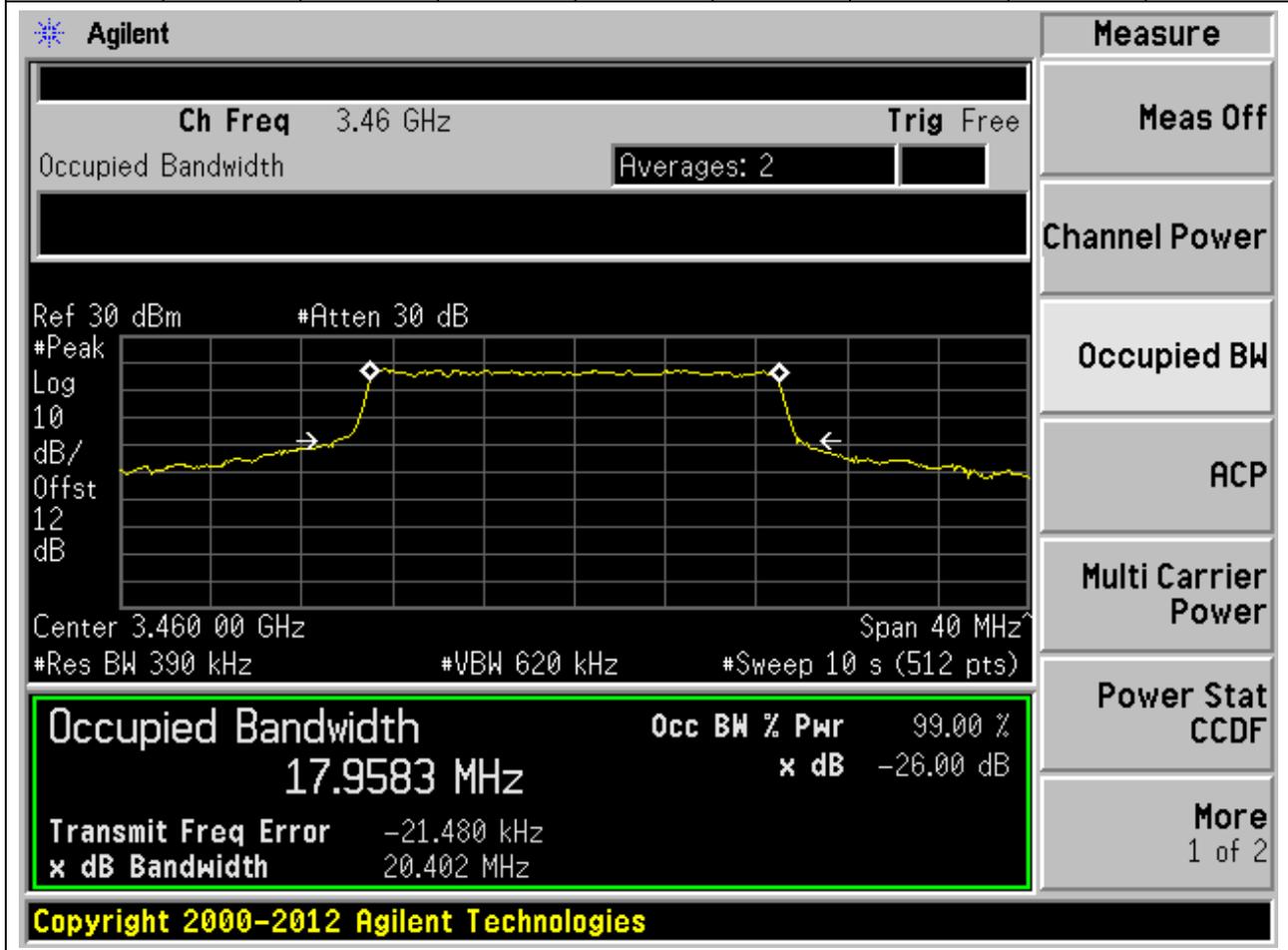
Power Stat CCDF

More
1 of 2

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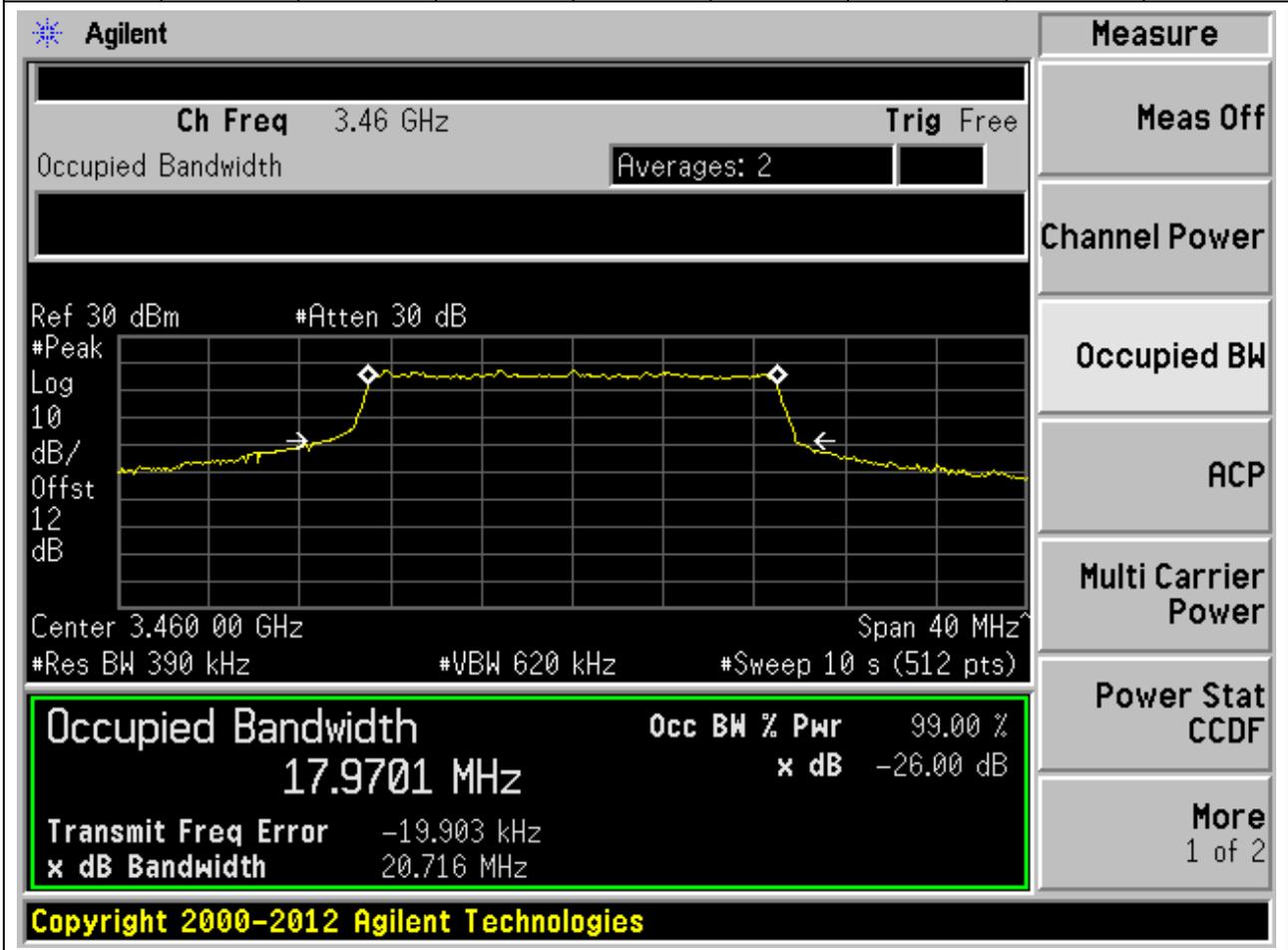
13.38. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:42190, Bandwidth:20, Modulation:16QAM, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3460	99	26	0.39	Peak	17.96	20.4	20	Pass



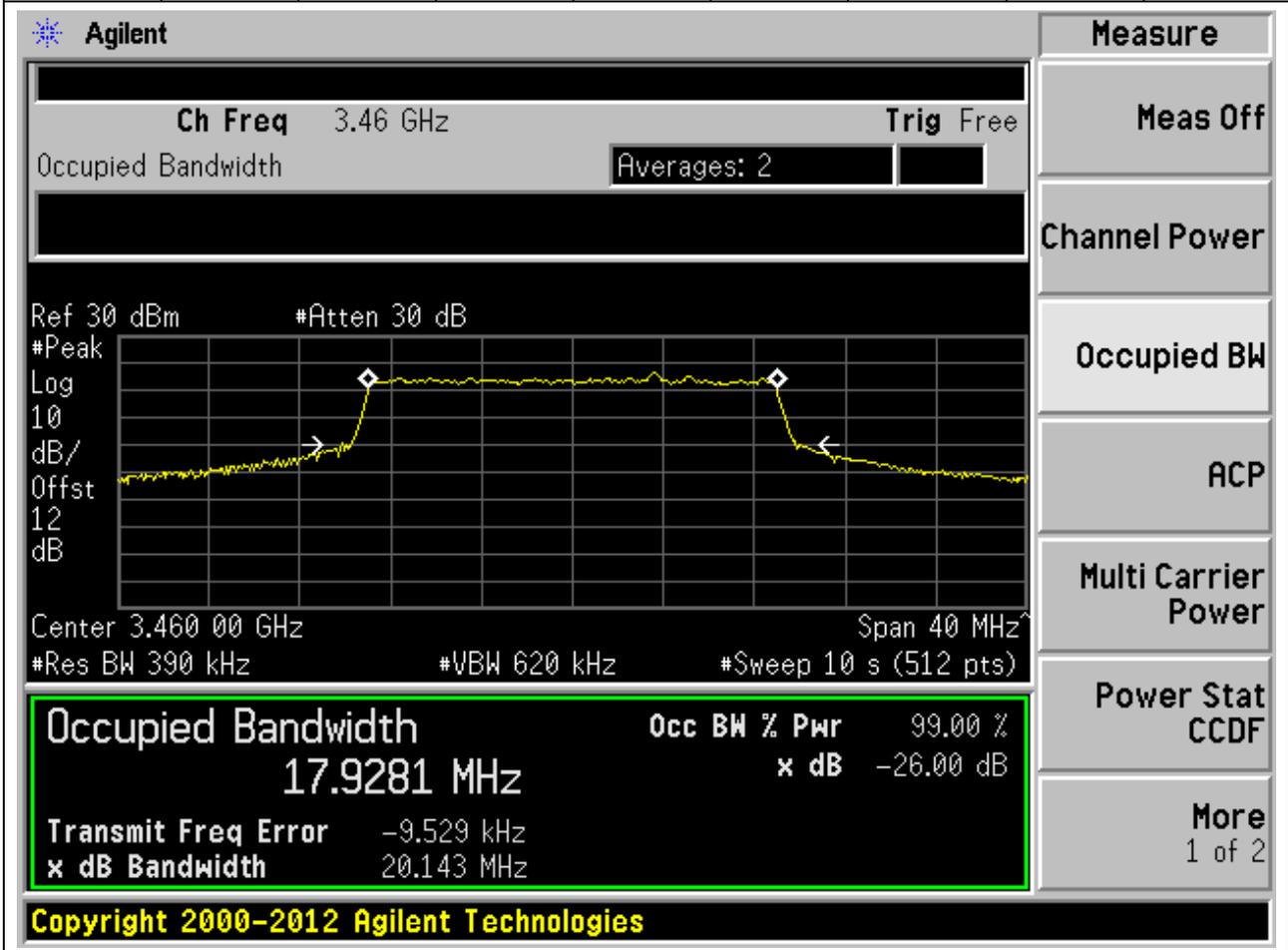
13.39. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:42190, Bandwidth:20, Modulation:64QAM, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3460	99	26	0.39	Peak	17.97	20.72	20	Pass



13.40. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:42190, Bandwidth:20, Modulation:256QAM, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3460	99	26	0.39	Peak	17.93	20.14	20	Pass



13.41. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:42590, Bandwidth:20, Modulation:QPSK, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3500	99	26	0.39	Peak	17.94	19.61	20	Pass

Agilent

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

Ch Freq 3.5 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 3.500 00 GHz Span 40 MHz

#Res BW 390 kHz #VBW 620 kHz #Sweep 10 s (512 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
17.9435 MHz	x dB -26.00 dB
Transmit Freq Error 6.986 kHz	
x dB Bandwidth 19.610 MHz	

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13.42. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:42590, Bandwidth:20, Modulation:16QAM, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3500	99	26	0.39	Peak	17.95	20.57	20	Pass

Agilent
Measure

Ch Freq 3.5 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 12.1 dB

Center 3.500 00 GHz Span 40 MHz

#Res BW 390 kHz #VBW 620 kHz #Sweep 10 s (512 pts)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

Occupied Bandwidth

17.9508 MHz

Transmit Freq Error -27.390 kHz

x dB Bandwidth 20.569 MHz

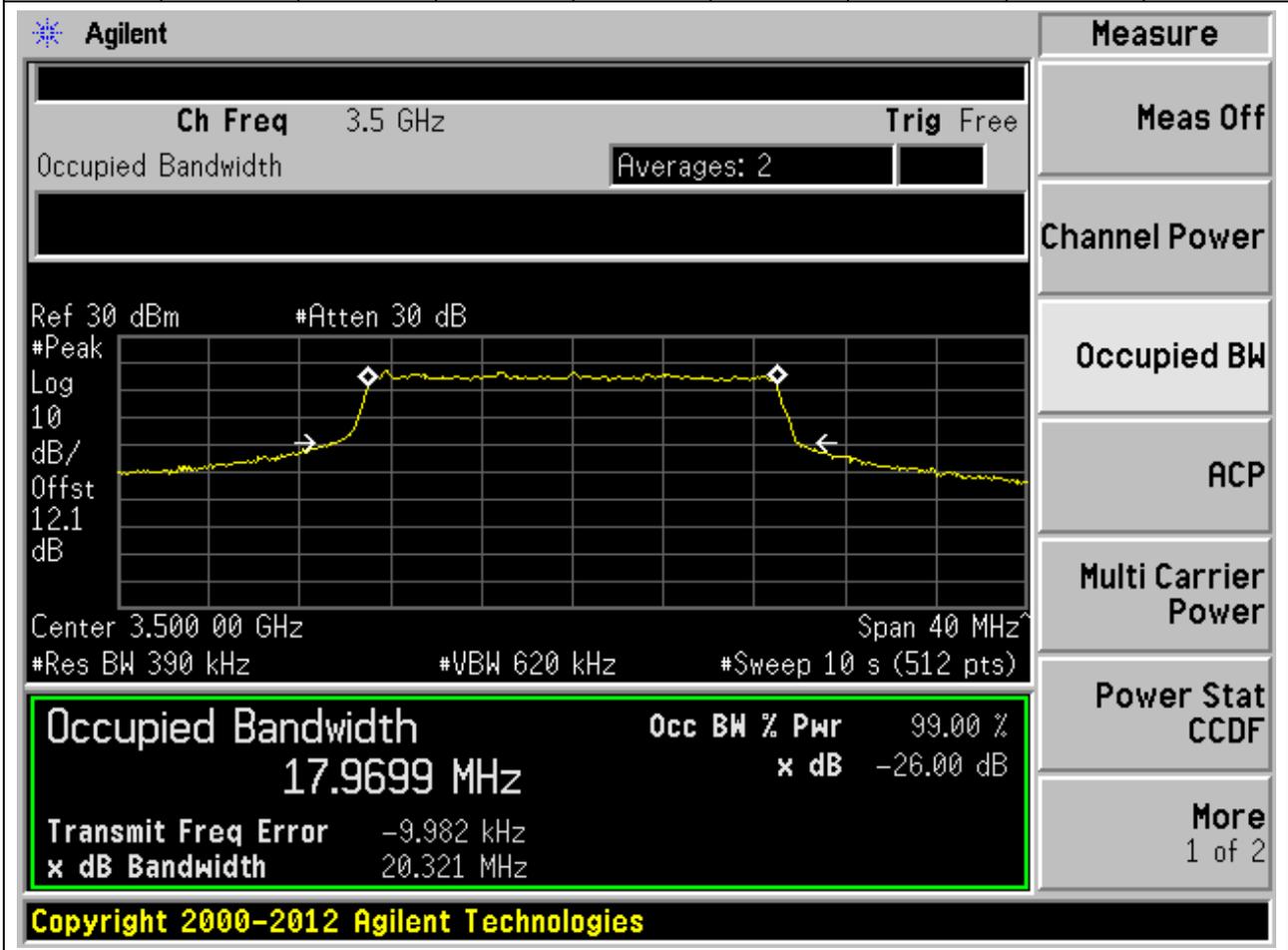
Occ BW % Pwr 99.00 %

x dB -26.00 dB

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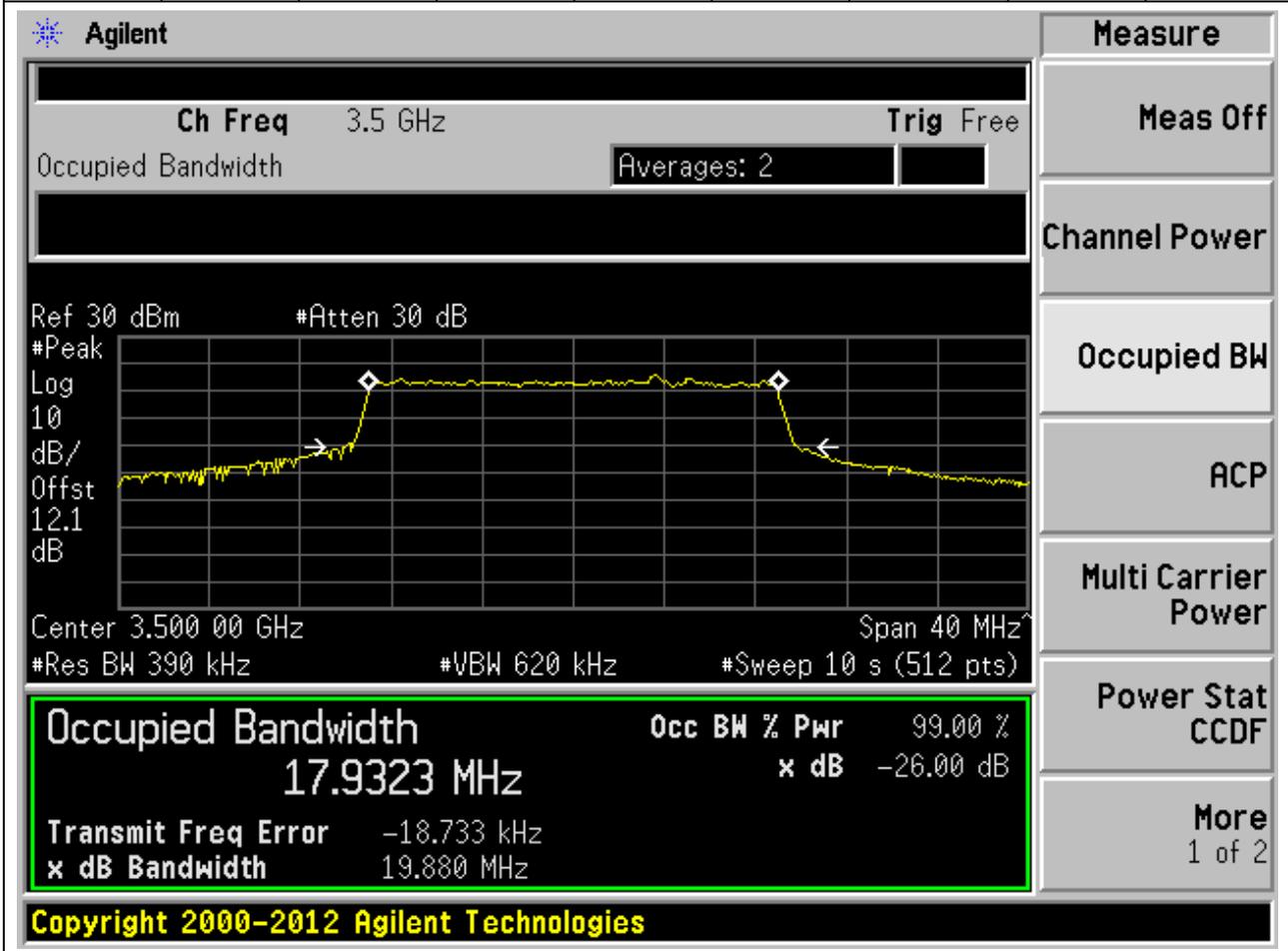
13.43. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:42590, Bandwidth:20, Modulation:64QAM, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3500	99	26	0.39	Peak	17.97	20.32	20	Pass



13.44. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:42590, Bandwidth:20, Modulation:256QAM, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3500	99	26	0.39	Peak	17.93	19.88	20	Pass



13.45. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:42990, Bandwidth:20, Modulation:QPSK, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3540	99	26	0.39	Peak	17.95	19.61	20	Pass

Agilent

Measure

Ch Freq 3.54 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 12.1 dB

Center 3.540 00 GHz Span 40 MHz

#Res BW 390 kHz #VBW 620 kHz #Sweep 10 s (512 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
17.9452 MHz	x dB -26.00 dB
Transmit Freq Error 11.733 kHz	
x dB Bandwidth 19.613 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

13.46. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:42990, Bandwidth:20, Modulation:16QAM, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3540	99	26	0.39	Peak	17.96	20.5	20	Pass

Agilent

Measure

Ch Freq 3.54 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 12.1 dB

Center 3.540 00 GHz Span 40 MHz
#Res BW 390 kHz #VBW 620 kHz #Sweep 10 s (512 pts)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

Occupied Bandwidth

17.9592 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

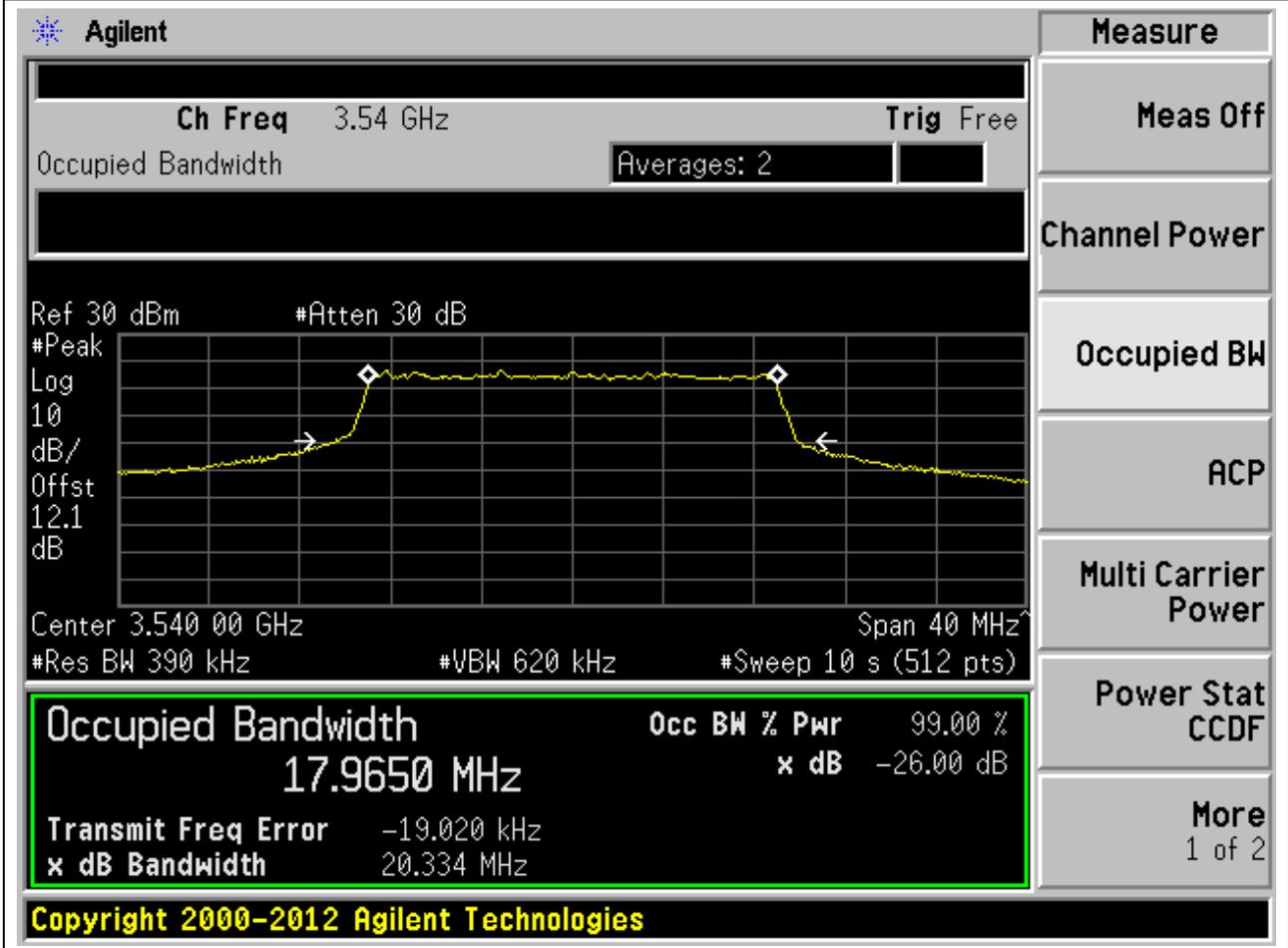
Transmit Freq Error -27.099 kHz

x dB Bandwidth 20.497 MHz

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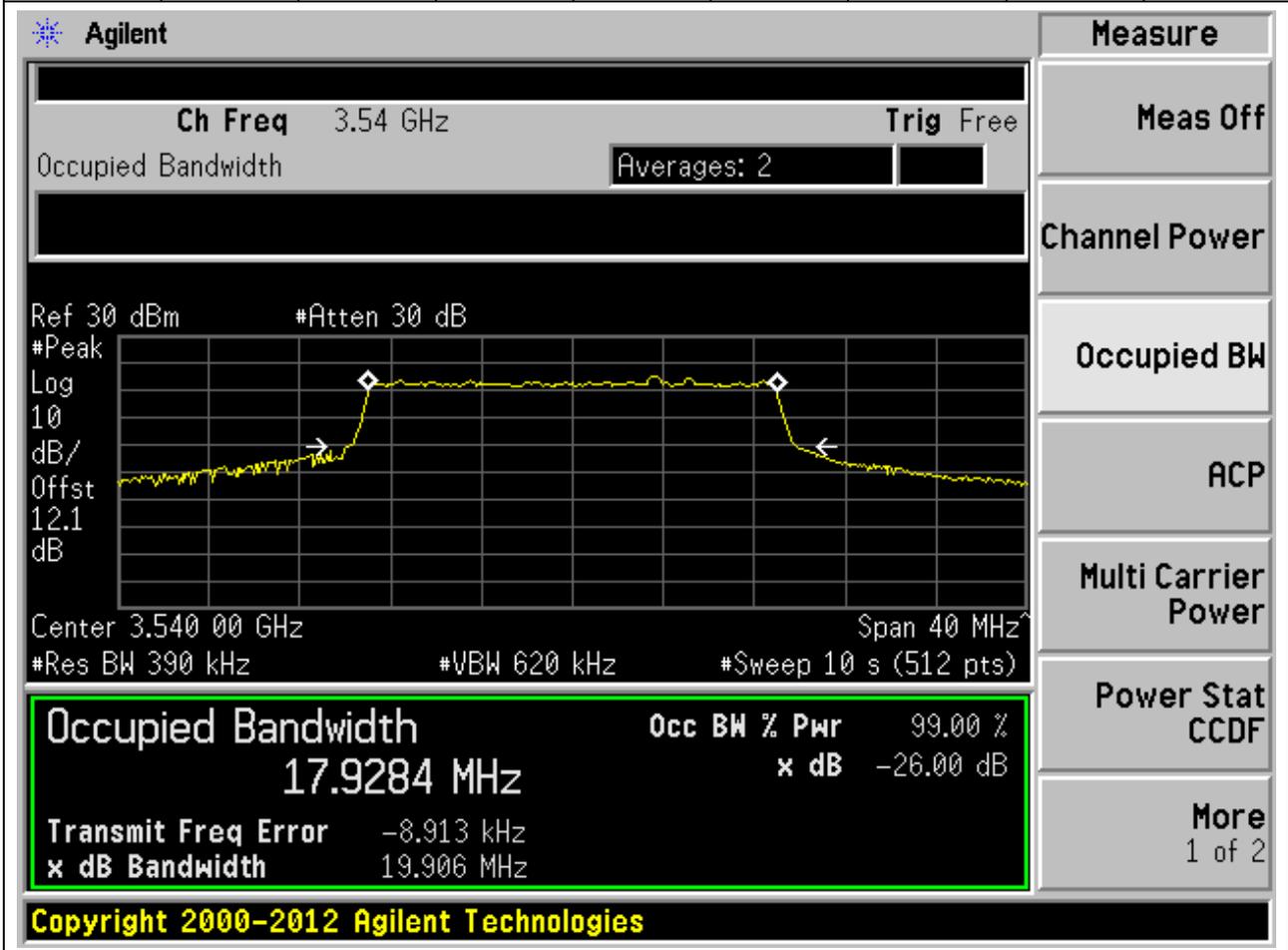
13.47. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:42990, Bandwidth:20, Modulation:64QAM, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3540	99	26	0.39	Peak	17.97	20.33	20	Pass



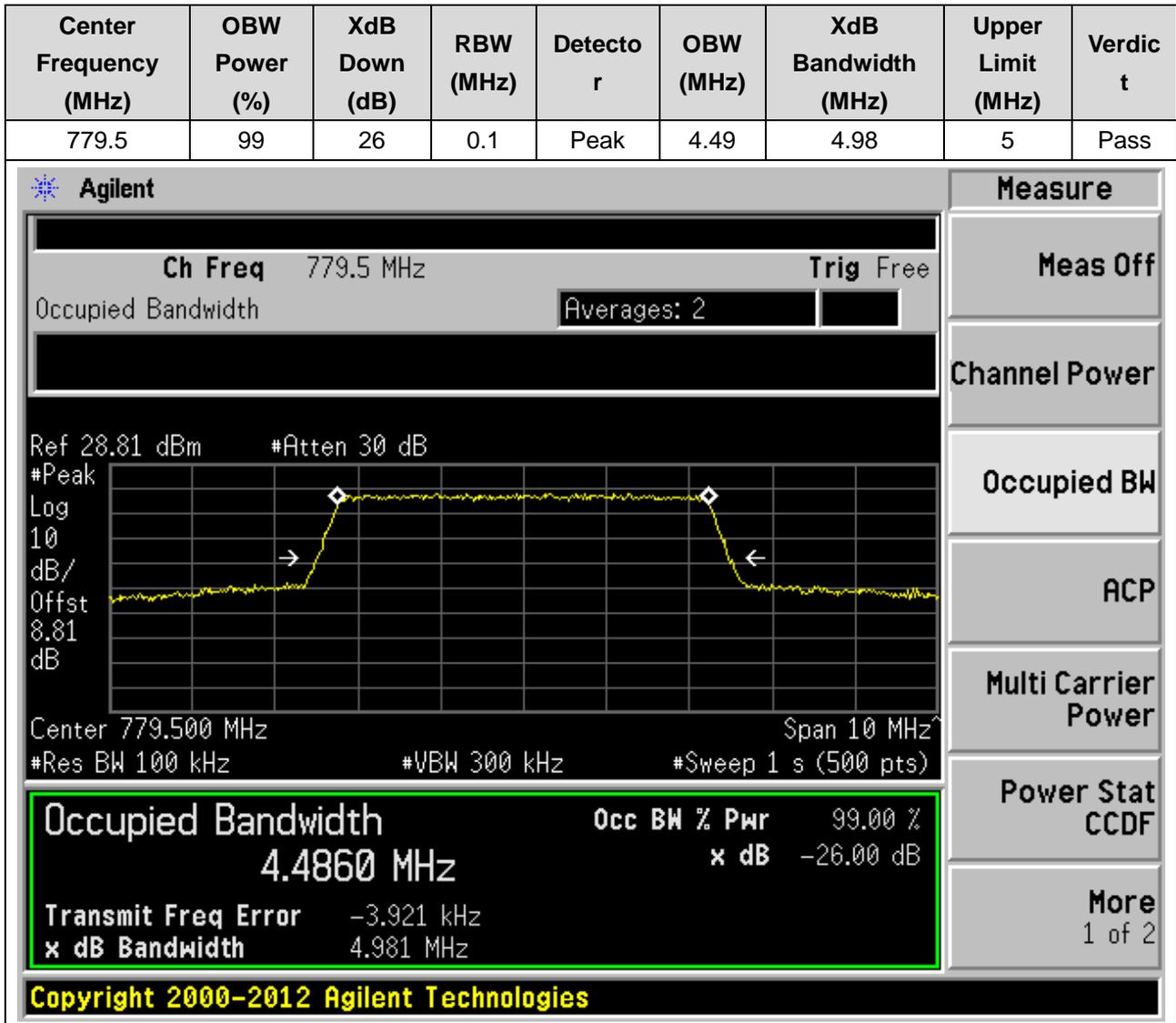
13.48. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:42990, Bandwidth:20, Modulation:256QAM, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3540	99	26	0.39	Peak	17.93	19.91	20	Pass

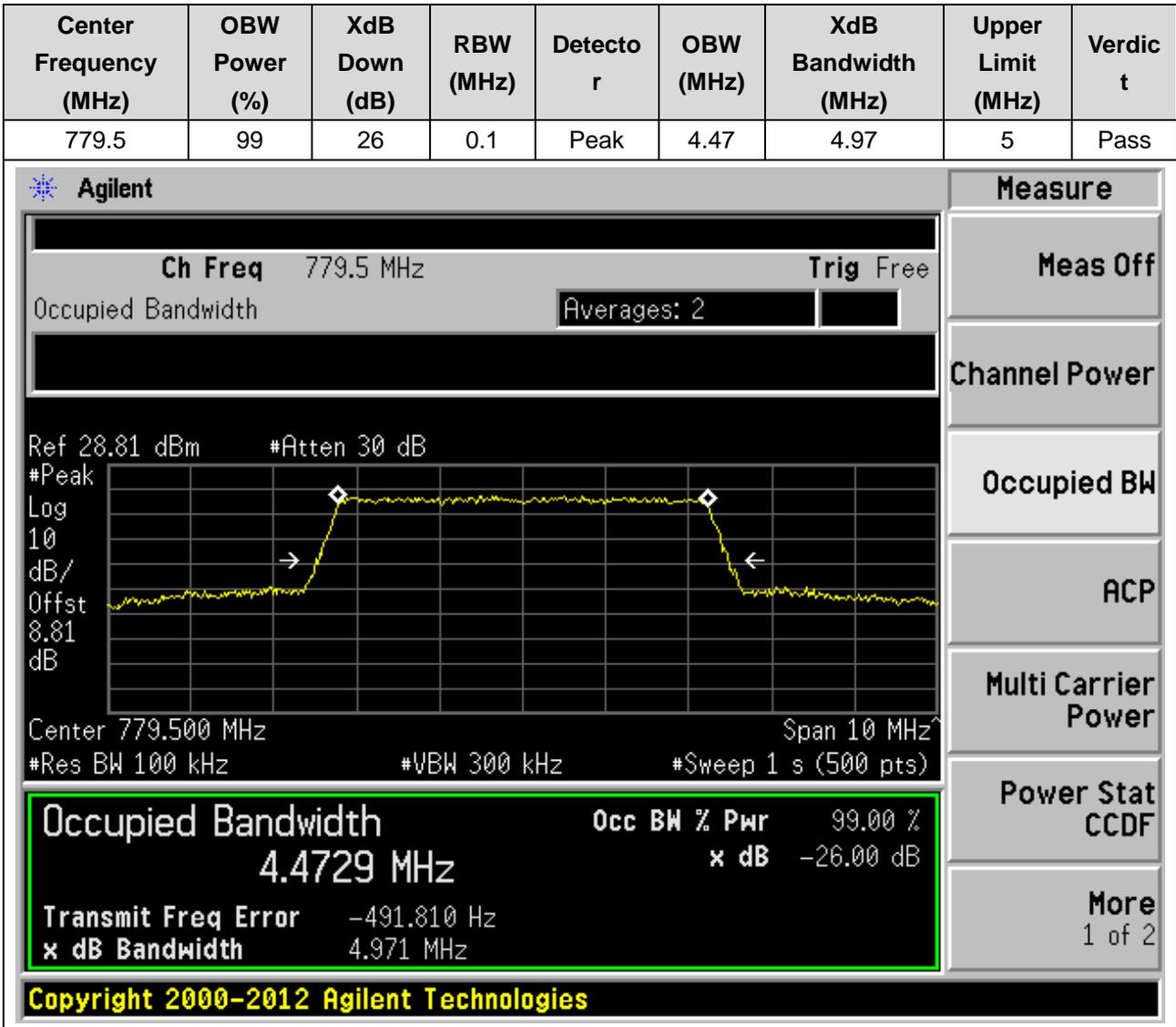


1. LTE_Band13

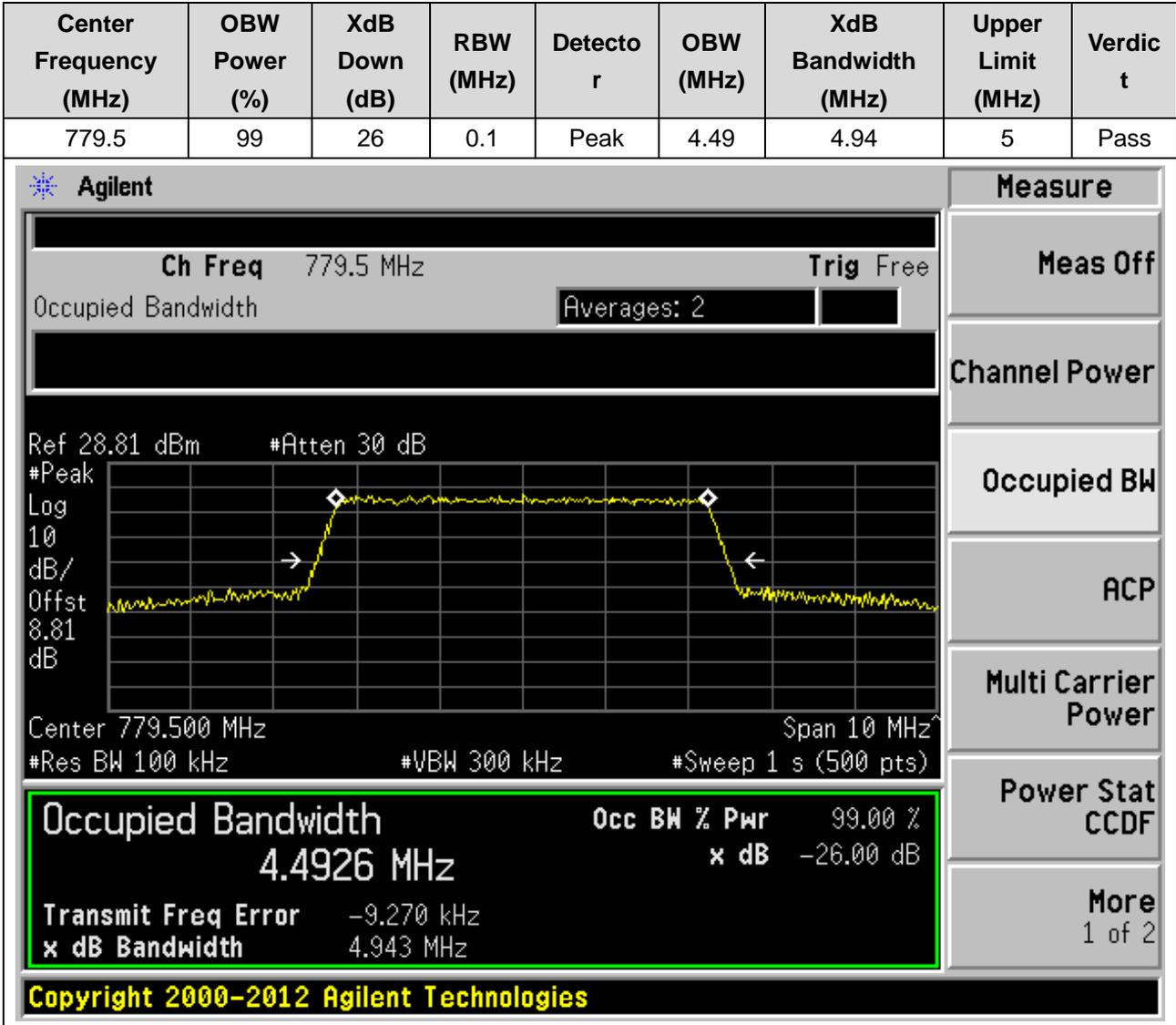
1.1. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:23205, Bandwidth:5, Modulation:QPSK, RB Number:25, RB Position:0)



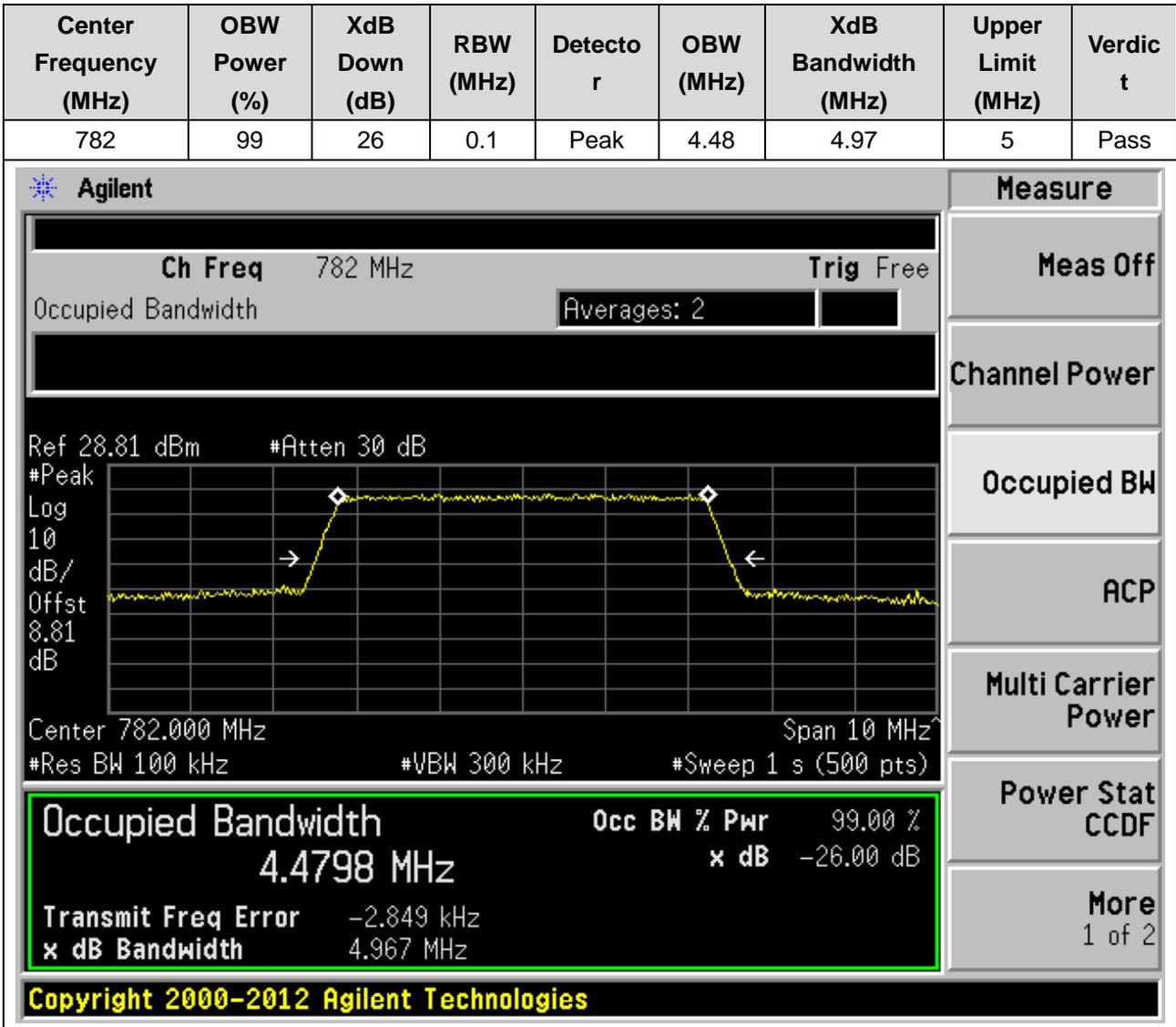
1.2. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:23205, Bandwidth:5, Modulation:16QAM, RB Number:25, RB Position:0)



1.3. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:23205, Bandwidth:5, Modulation:64QAM, RB Number:25, RB Position:0)



1.4. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:23230, Bandwidth:5, Modulation:QPSK, RB Number:25, RB Position:0)



1.5. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:23230, Bandwidth:5, Modulation:16QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
782	99	26	0.1	Peak	4.48	4.96	5	Pass

Agilent

Ch Freq 782 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.81 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.81 dB

Center 782.000 MHz Span 10 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

4.4775 MHz x dB -26.00 dB

Transmit Freq Error -1.272 kHz

x dB Bandwidth 4.961 MHz

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Measure

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

1.6. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:23230, Bandwidth:5, Modulation:64QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
782	99	26	0.1	Peak	4.49	4.96	5	Pass

Agilent

Ch Freq 782 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.81 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.81 dB

Center 782.000 MHz Span 10 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.4892 MHz	x dB	-26.00 dB
Transmit Freq Error		-7.797 kHz
x dB Bandwidth		4.956 MHz

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Measure

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

1.7. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:23255, Bandwidth:5, Modulation:QPSK, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
784.5	99	26	0.1	Peak	4.49	4.97	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The measurement results are summarized in a table below the spectrum plot:

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.4854 MHz	x dB	-26.00 dB
Transmit Freq Error	-4.544 kHz	
x dB Bandwidth	4.974 MHz	

Additional parameters shown in the interface include: Ch Freq 784.5 MHz, Trig Free, Averages: 2, Ref 28.82 dBm, #Atten 30 dB, #Peak, Log 10, dB/Offst 8.82 dB, Center 784.500 MHz, Span 10 MHz, #Res BW 100 kHz, #VBW 300 kHz, #Sweep 1 s (500 pts).

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1.8. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:23255, Bandwidth:5, Modulation:16QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
784.5	99	26	0.1	Peak	4.47	4.96	5	Pass

Agilent

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

Ch Freq 784.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.82 dBm #Atten 30 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 %

4.4750 MHz x dB -26.00 dB

Transmit Freq Error 431.615 Hz

x dB Bandwidth 4.965 MHz

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1.9. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:23255, Bandwidth:5, Modulation:64QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
784.5	99	26	0.1	Peak	4.49	4.94	5	Pass

Agilent

Measure

Ch Freq 784.5 MHz
Trig Free

Occupied Bandwidth

Averages: 2

Ref 28.82 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
8.82

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 %
4.4905 MHz	x dB	-26.00 dB
Transmit Freq Error	-2.092 kHz	
x dB Bandwidth	4.935 MHz	

Power Stat
CCDF

More
1 of 2

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1.10. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:23230, Bandwidth:10, Modulation:QPSK, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
782	99	26	0.2	Peak	8.97	9.85	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 782 MHz' and 'Trig Free'. The main display area shows a spectrum plot with a yellow trace. The plot parameters include 'Ref 28.81 dBm', '#Atten 30 dB', 'Log 10 dB/Offst 8.81 dB', 'Center 782.00 MHz', 'Span 20 MHz', '#Res BW 200 kHz', '#VBW 620 kHz', and '#Sweep 1 s (500 pts)'. A green box highlights the 'Occupied Bandwidth' measurement results: 'Occupied Bandwidth 8.9675 MHz', 'Occ BW % Pwr 99.00 %', and 'x dB -26.00 dB'. Below this, it shows 'Transmit Freq Error 856.390 Hz' and 'x dB Bandwidth 9.851 MHz'. On the right side, there is a 'Measure' menu with options: 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. At the bottom, it says 'Copyright 2000-2012 Agilent Technologies'.

1.11. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:23230, Bandwidth:10, Modulation:16QAM, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
782	99	26	0.2	Peak	8.93	9.75	10	Pass

Agilent

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

Ch Freq 782 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.81 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.81 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 %

8.9265 MHz

x dB -26.00 dB

Transmit Freq Error 445.969 Hz

x dB Bandwidth 9.751 MHz

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1.12. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:23230, Bandwidth:10, Modulation:64QAM, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
782	99	26	0.2	Peak	8.96	9.82	10	Pass

Agilent

Measure

Ch Freq 782 MHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 28.81 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
8.81

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 %
8.9565 MHz	x dB	-26.00 dB
Transmit Freq Error	-5.567 kHz	
x dB Bandwidth	9.822 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

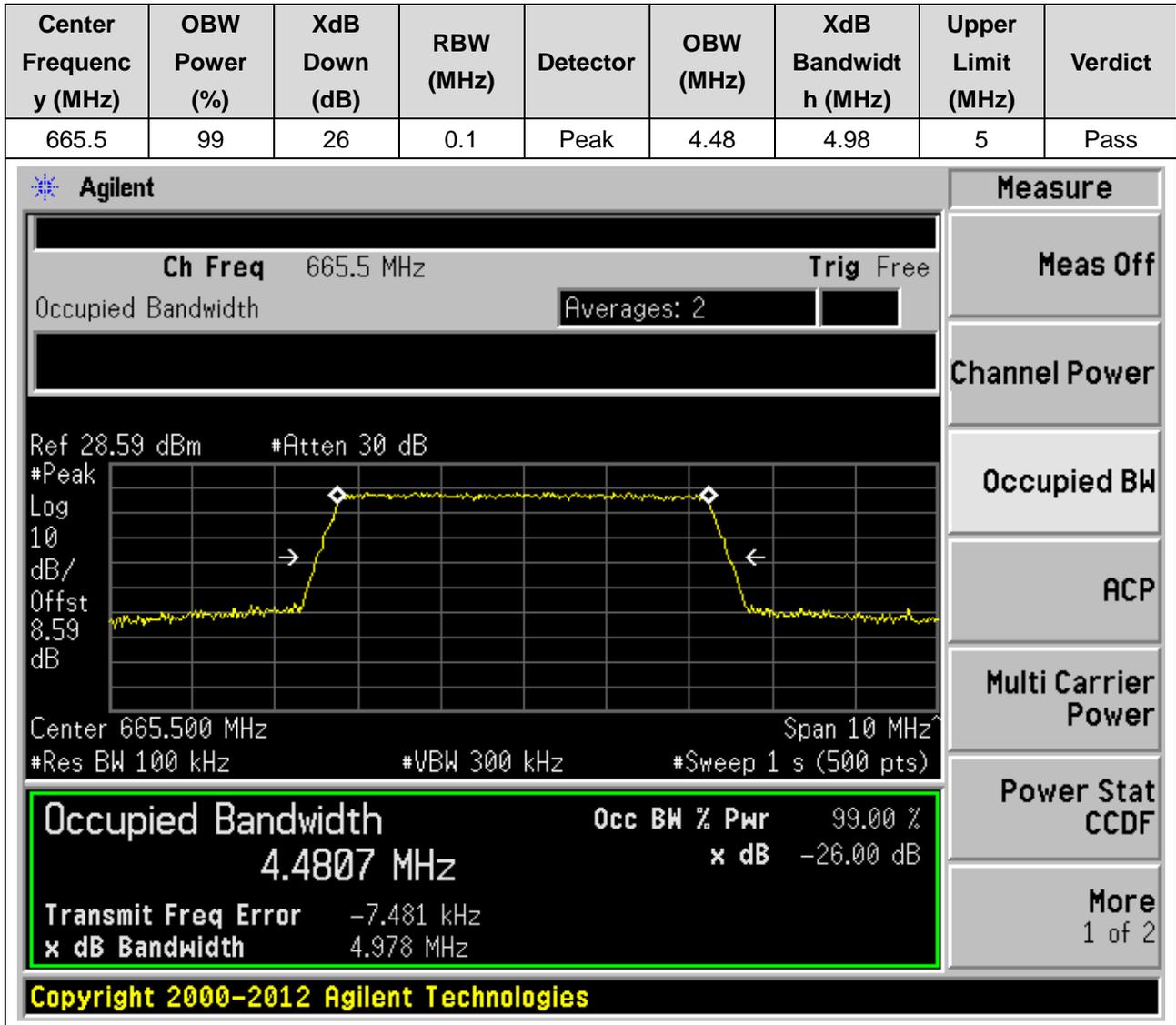
Multi Carrier Power

Power Stat CCDF

More
1 of 2

2. LTE_Band71

2.1. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:133147, Bandwidth:5, Modulation:QPSK, RB Number:25, RB Position:0)



2.2. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:133147, Bandwidth:5, Modulation:16QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
665.5	99	26	0.1	Peak	4.48	4.92	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 665.5 MHz' and 'Trig Free'. Below this, the 'Occupied Bandwidth' measurement is shown with 'Averages: 2'. The main display area features a spectrum plot with a yellow trace. The plot parameters include 'Ref 28.59 dBm', '#Atten 30 dB', 'Log 10 dB/Offst 8.59 dB', 'Center 665.500 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 4.4803 MHz', 'Occ BW % Pwr 99.00 %', 'x dB -26.00 dB', 'Transmit Freq Error -754.497 Hz', and 'x dB Bandwidth 4.925 MHz'. On the right side, there is a 'Measure' menu with options: 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. At the bottom, the copyright notice 'Copyright 2000-2012 Agilent Technologies' is visible.

2.3. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:133147, Bandwidth:5, Modulation:64QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
665.5	99	26	0.1	Peak	4.49	4.93	5	Pass

Agilent

Ch Freq 665.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.59 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.59 dB

Center 665.500 MHz Span 10 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

4.4878 MHz x dB -26.00 dB

Transmit Freq Error -5.865 kHz

x dB Bandwidth 4.934 MHz

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Measure

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

2.4. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:133297, Bandwidth:5, Modulation:QPSK, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
680.5	99	26	0.1	Peak	4.5	4.98	5	Pass

Agilent

Ch Freq 680.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.59 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.59 dB

Center 680.500 MHz Span 10 MHz

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

Occupied Bandwidth 4.4974 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -2.235 kHz

x dB Bandwidth 4.980 MHz

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Measure

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

2.6. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:133297, Bandwidth:5, Modulation:64QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
680.5	99	26	0.1	Peak	4.49	4.95	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 680.5 MHz' and 'Trig Free'. Below this, the 'Occupied Bandwidth' measurement is shown with 'Averages: 2'. The main display area shows a spectrum plot with a yellow trace. The plot has a reference level of 28.59 dBm and an attenuation of 30 dB. The y-axis is labeled 'Log 10 dB/Offst 8.59 dB'. The x-axis shows 'Center 680.500 MHz' and 'Span 10 MHz'. Below the plot, the measurement parameters are listed: '#Res BW 100 kHz', '#VBW 300 kHz', and '#Sweep 1 s (500 pts)'. A green box highlights the following measurement results:

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.4941 MHz	x dB	-26.00 dB
Transmit Freq Error		-2.390 kHz
x dB Bandwidth		4.953 MHz

On the right side of the interface, there is a 'Measure' menu with options: 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. At the bottom of the screenshot, the text 'Copyright 2000-2012 Agilent Technologies' is visible.

2.7. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:133447, Bandwidth:5, Modulation:QPSK, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
695.5	99	26	0.1	Peak	4.49	4.99	5	Pass

Agilent

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

Ch Freq 695.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.66 dBm #Atten 30 dB

#Peak

Log

10

dB/

Offst

8.66

dB

Center 695.500 MHz Span 10 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

4.4925 MHz

x dB -26.00 dB

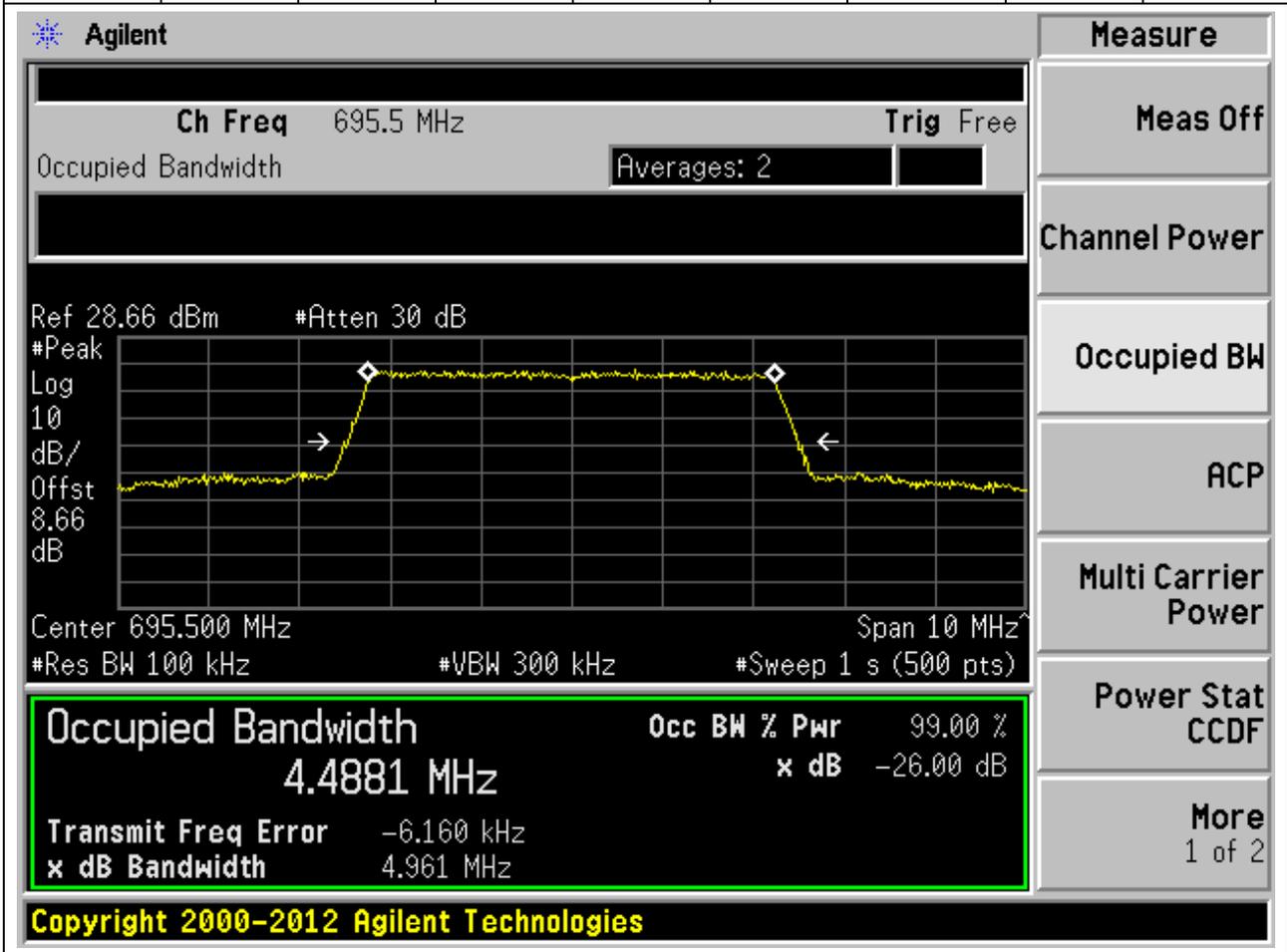
Transmit Freq Error -7.217 kHz

x dB Bandwidth 4.989 MHz

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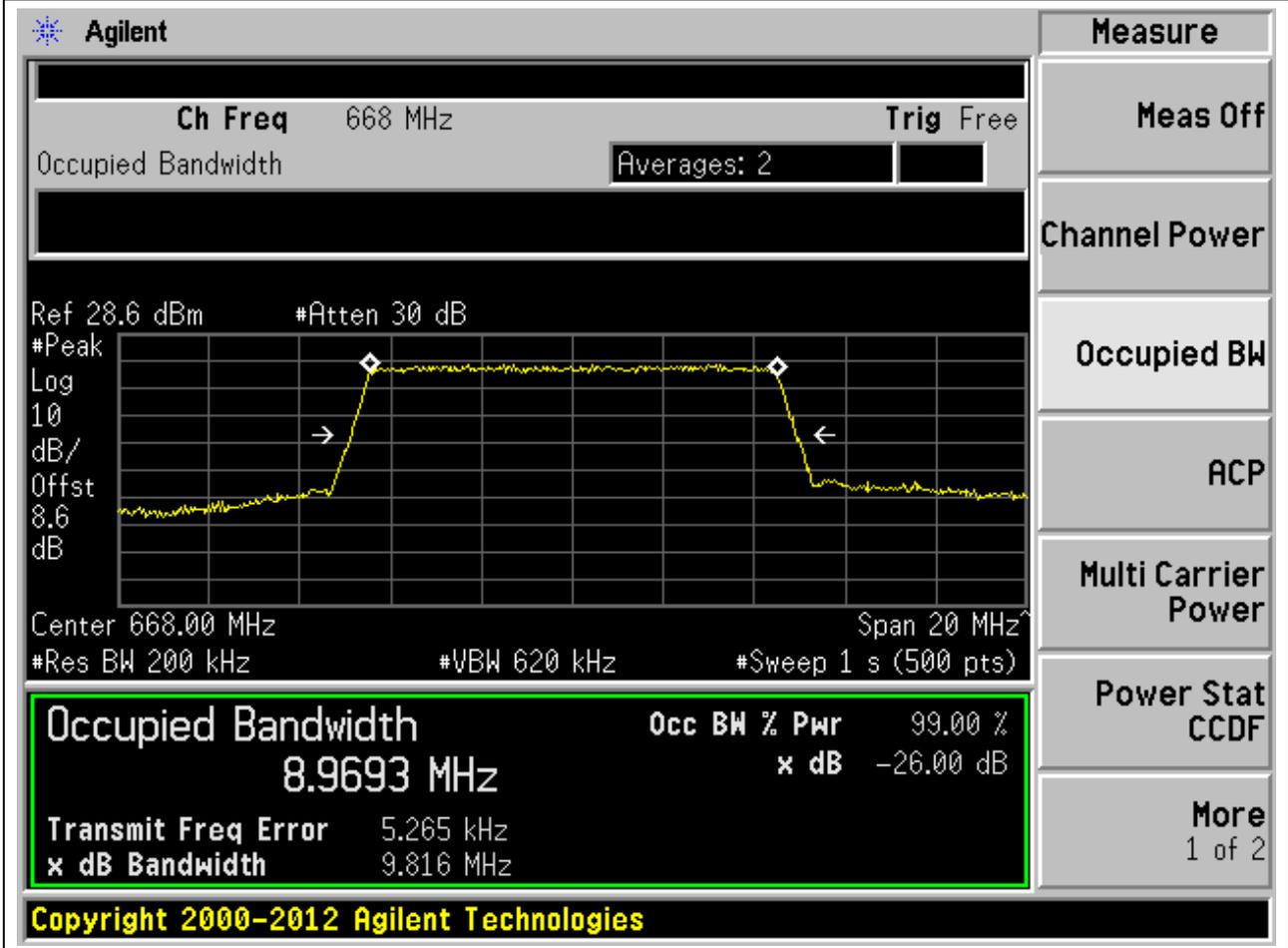
2.8. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:133447, Bandwidth:5, Modulation:16QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
695.5	99	26	0.1	Peak	4.49	4.96	5	Pass



2.10. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:133172, Bandwidth:10, Modulation:QPSK, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
668	99	26	0.2	Peak	8.97	9.82	10	Pass



2.11. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:133172, Bandwidth:10, Modulation:16QAM, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
668	99	26	0.2	Peak	8.94	9.73	10	Pass

Agilent

Ch Freq 668 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.6 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.6 dB

Center 668.00 MHz Span 20 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
8.9414 MHz	x dB	-26.00 dB
Transmit Freq Error	6.422 kHz	
x dB Bandwidth	9.730 MHz	

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Measure

Meas Off

Channel Power

Occupied BW

ACP

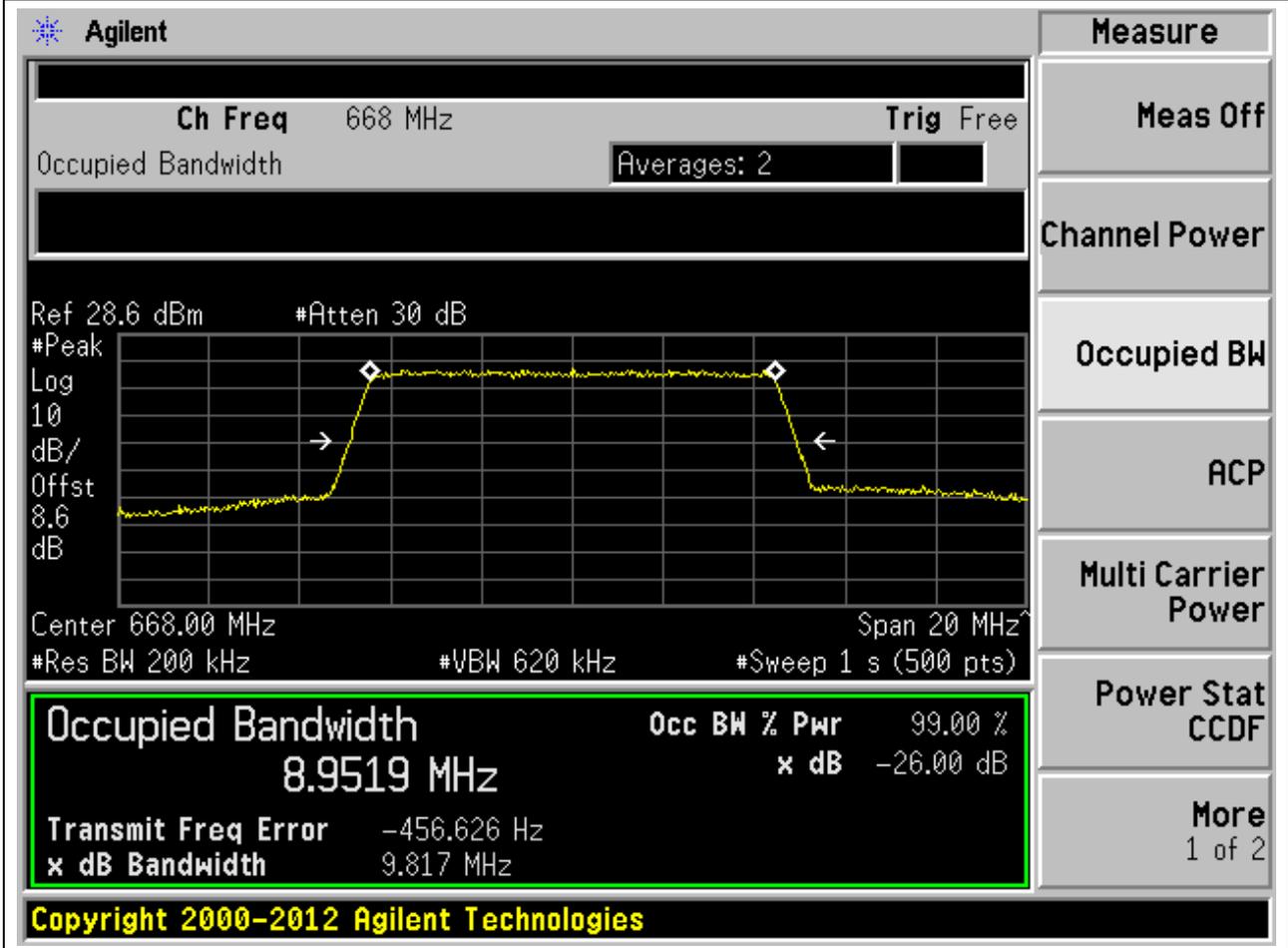
Multi Carrier Power

Power Stat CCDF

More 1 of 2

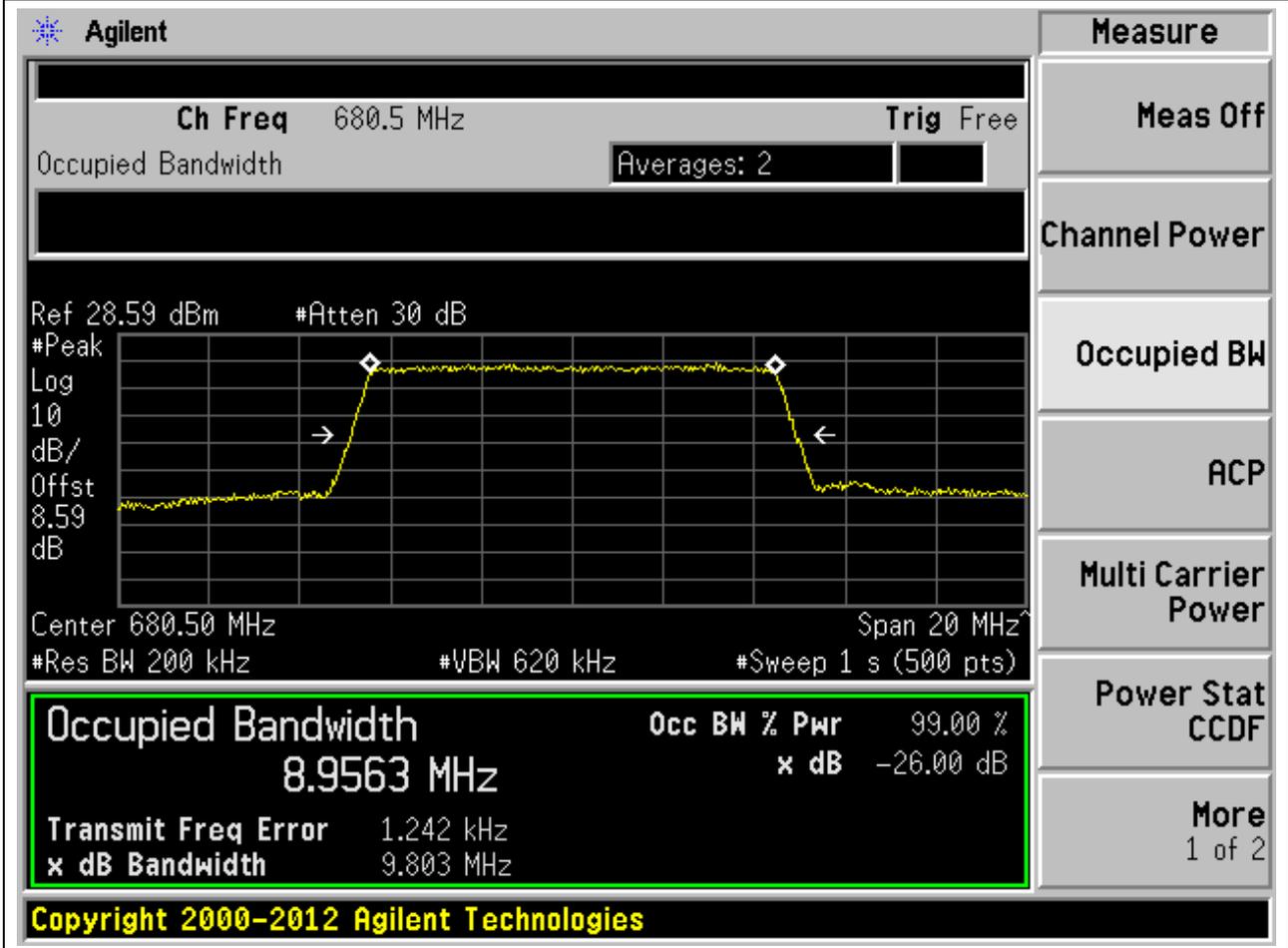
2.12. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:133172, Bandwidth:10, Modulation:64QAM, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
668	99	26	0.2	Peak	8.95	9.82	10	Pass



2.13. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:133297, Bandwidth:10, Modulation:QPSK, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
680.5	99	26	0.2	Peak	8.96	9.8	10	Pass



2.14. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:133297, Bandwidth:10, Modulation:16QAM, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
680.5	99	26	0.2	Peak	8.94	9.73	10	Pass

Agilent

Ch Freq 680.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.59 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.59 dB

Center 680.50 MHz Span 20 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
8.9350 MHz	x dB	-26.00 dB
Transmit Freq Error	4.269 kHz	
x dB Bandwidth	9.730 MHz	

Measure

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

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2.15. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:133297, Bandwidth:10, Modulation:64QAM, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
680.5	99	26	0.2	Peak	8.95	9.82	10	Pass

Agilent

Ch Freq 680.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.59 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.59 dB

Center 680.50 MHz Span 20 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
8.9481 MHz	x dB	-26.00 dB
Transmit Freq Error		-176.499 Hz
x dB Bandwidth		9.820 MHz

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Measure

Meas Off

Channel Power

Occupied BW

ACP

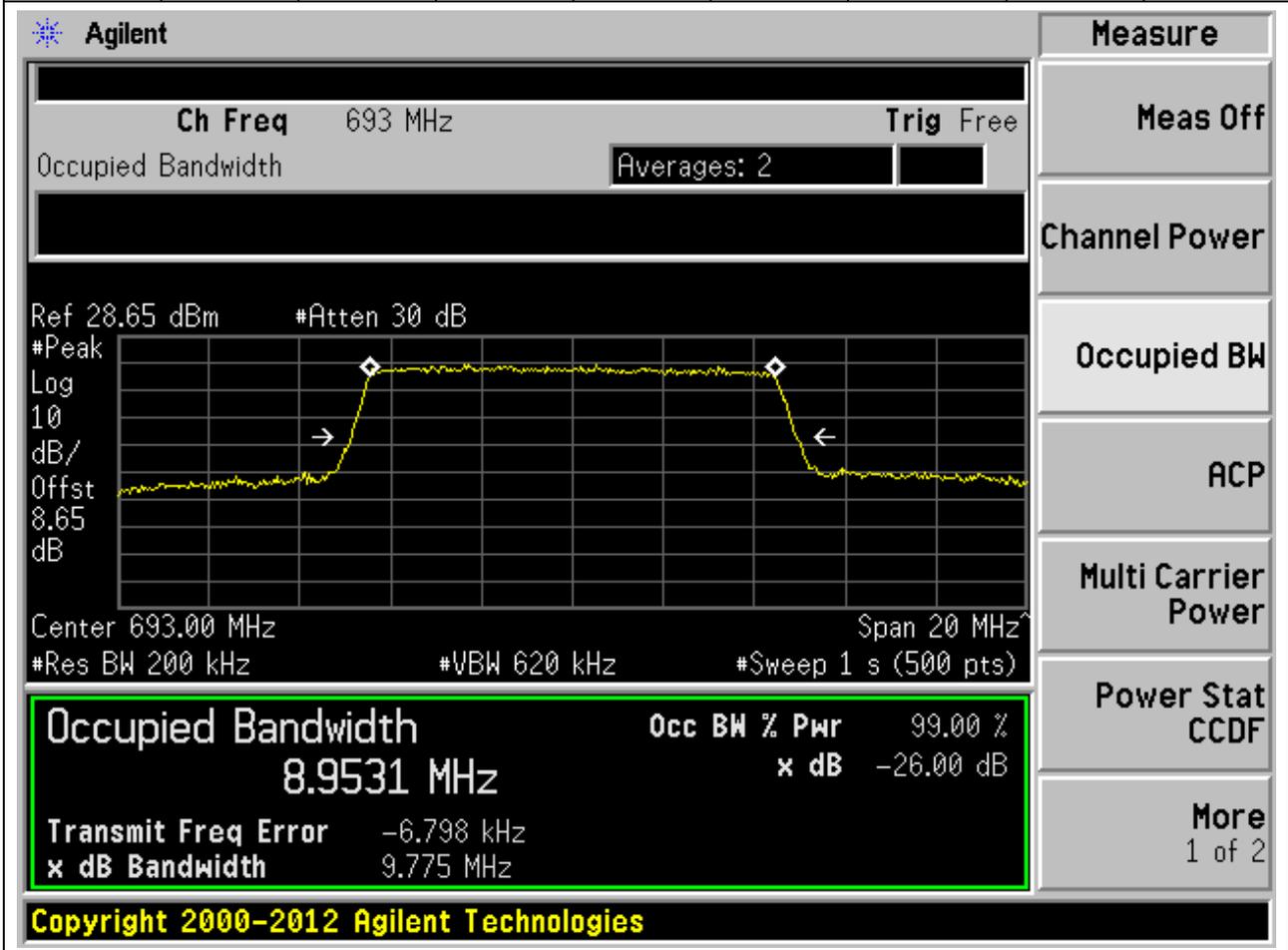
Multi Carrier Power

Power Stat CCDF

More 1 of 2

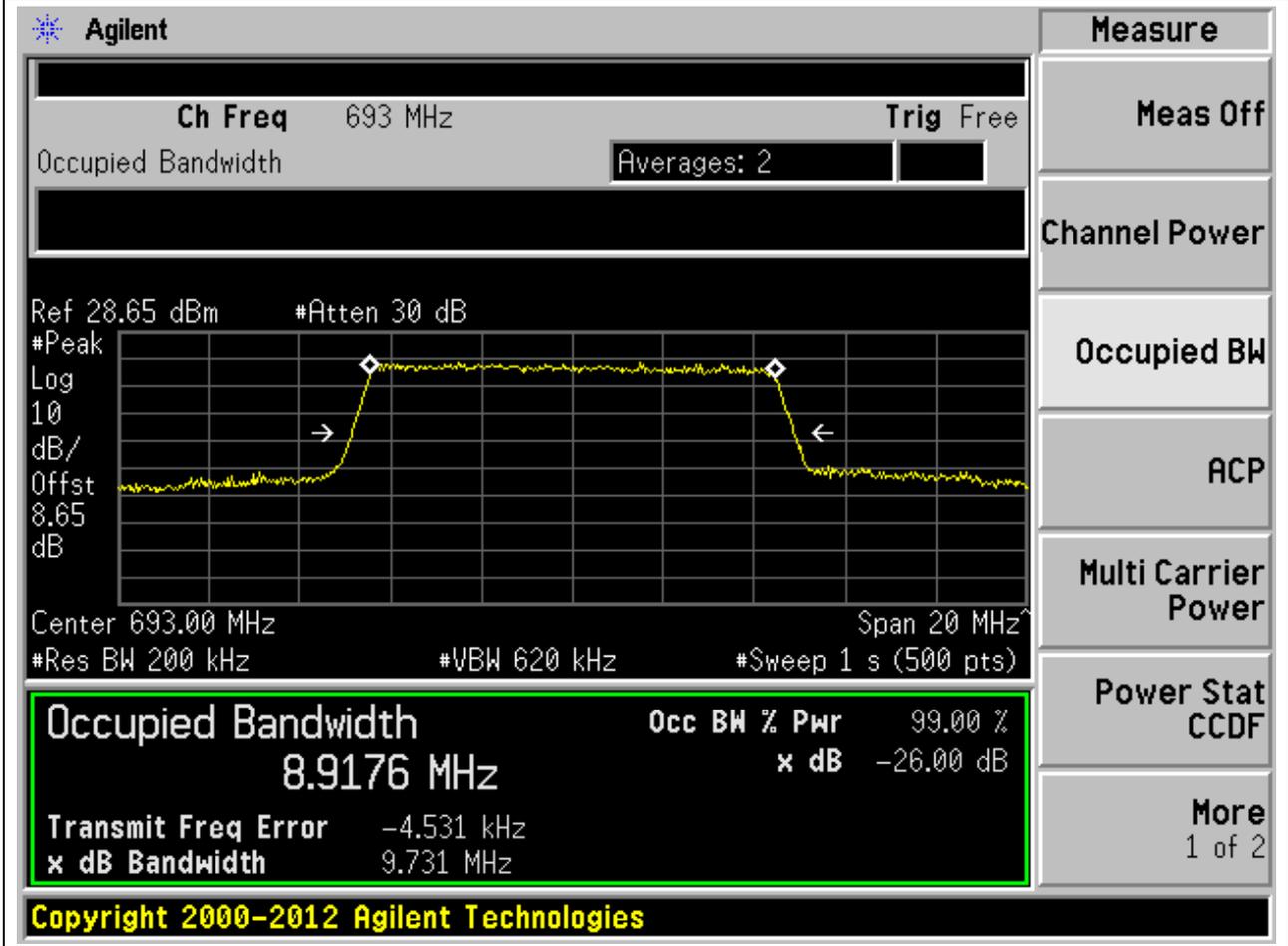
2.16. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:133422, Bandwidth:10, Modulation:QPSK, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
693	99	26	0.2	Peak	8.95	9.77	10	Pass



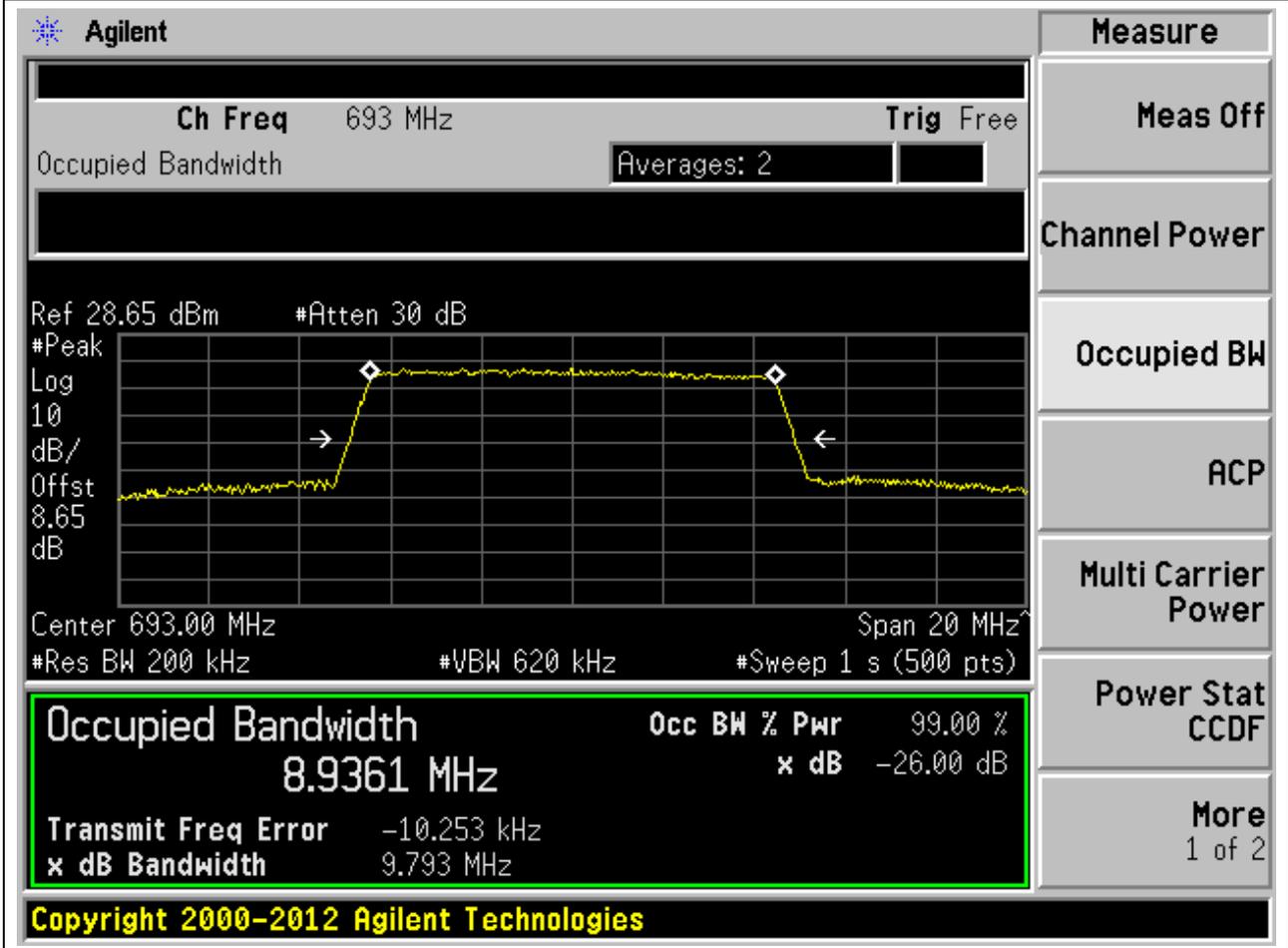
2.17. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:133422, Bandwidth:10, Modulation:16QAM, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
693	99	26	0.2	Peak	8.92	9.73	10	Pass



2.18. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:133422, Bandwidth:10, Modulation:64QAM, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
693	99	26	0.2	Peak	8.94	9.79	10	Pass



2.19. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:133197, Bandwidth:15, Modulation:QPSK, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
670.5	99	26	0.3	Peak	13.45	14.65	15	Pass

Agilent

Measure

Ch Freq 670.5 MHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 28.61 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
8.61

dB

Center 670.50 MHz
Span 30 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
13.4454 MHz	x dB -26.00 dB
Transmit Freq Error 15.057 kHz	
x dB Bandwidth 14.648 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More

1 of 2

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2.20. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:133197, Bandwidth:15, Modulation:16QAM, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
670.5	99	26	0.3	Peak	13.42	14.75	15	Pass

Agilent

Measure

Ch Freq 670.5 MHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 28.61 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.61 dB

Center 670.50 MHz Span 30 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
13.4172 MHz	x dB -26.00 dB
Transmit Freq Error 217.040 Hz	
x dB Bandwidth 14.753 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

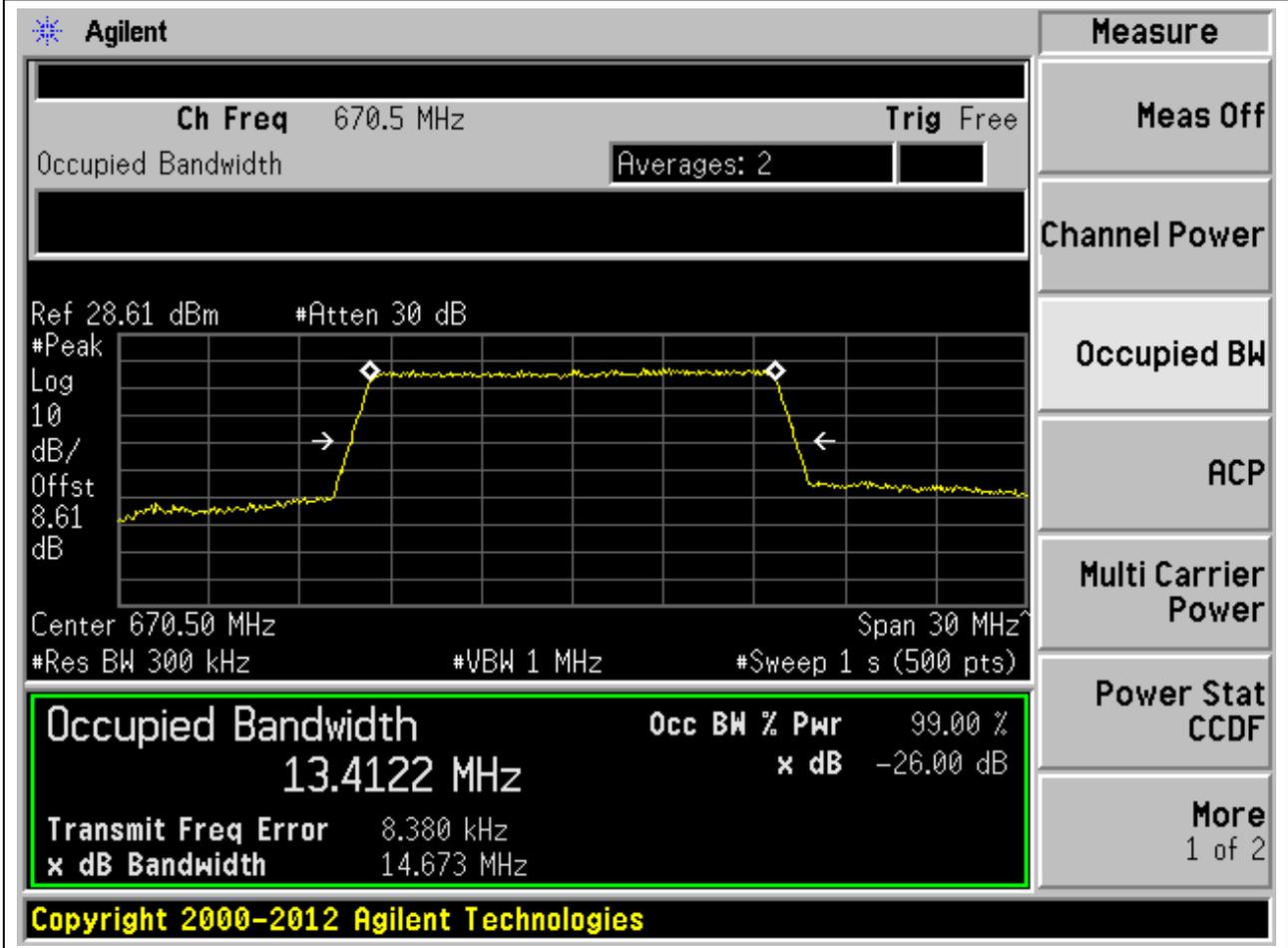
Multi Carrier Power

Power Stat CCDF

More 1 of 2

2.21. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:133197, Bandwidth:15, Modulation:64QAM, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
670.5	99	26	0.3	Peak	13.41	14.67	15	Pass



2.22. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:133297, Bandwidth:15, Modulation:QPSK, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
680.5	99	26	0.3	Peak	13.43	14.74	15	Pass

Agilent

Ch Freq 680.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.59 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.59 dB

Center 680.50 MHz Span 30 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
13.4321 MHz	x dB	-26.00 dB
Transmit Freq Error	15.312 kHz	
x dB Bandwidth	14.739 MHz	

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Measure

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

2.23. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:133297, Bandwidth:15, Modulation:16QAM, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
680.5	99	26	0.3	Peak	13.42	14.68	15	Pass

Agilent

Measure

Ch Freq 680.5 MHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 28.59 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
8.59

dB

Center 680.50 MHz
Span 30 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
13.4199 MHz	x dB -26.00 dB
Transmit Freq Error	-381.436 Hz
x dB Bandwidth	14.683 MHz

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

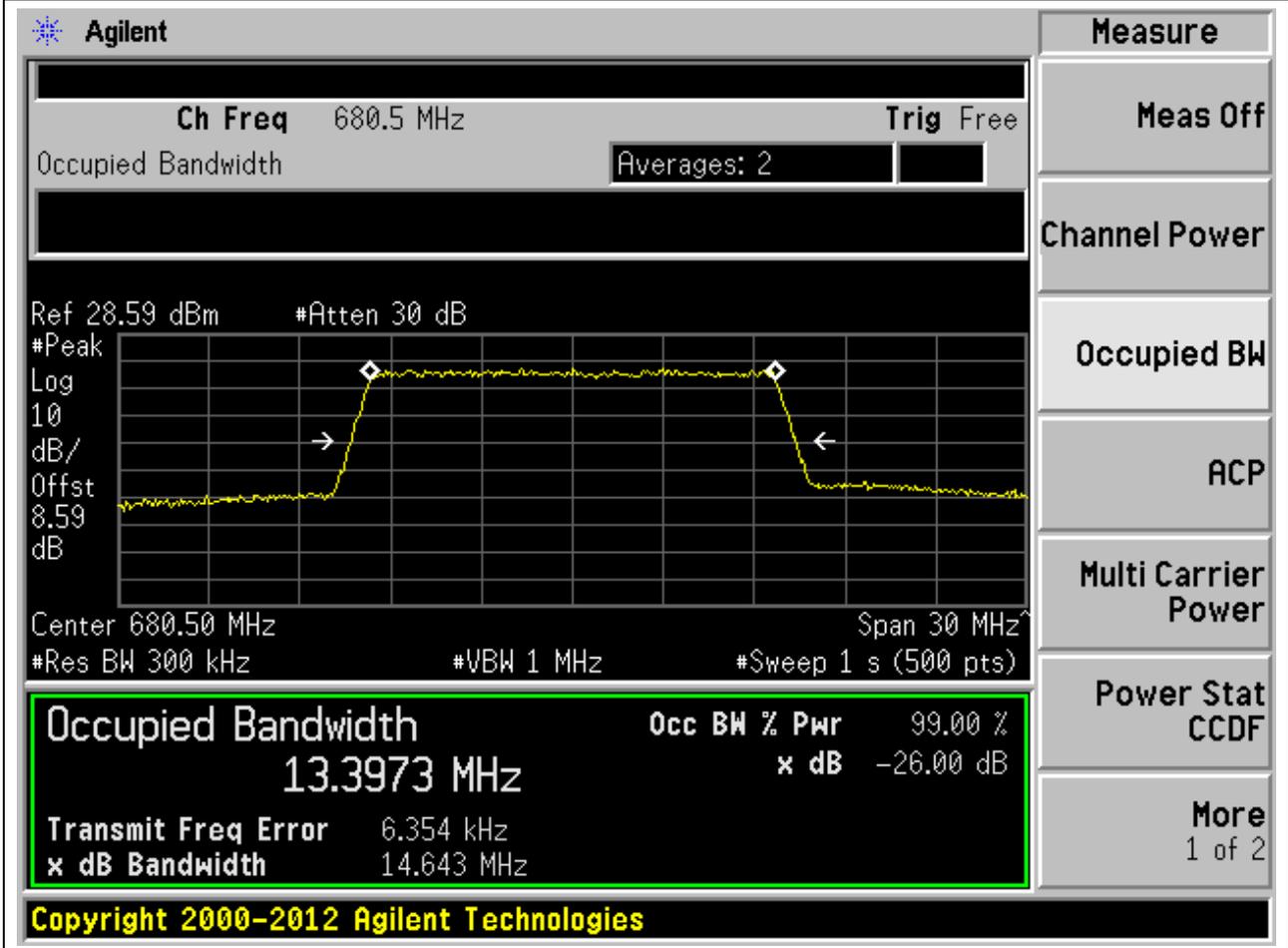
Power Stat CCDF

More
1 of 2

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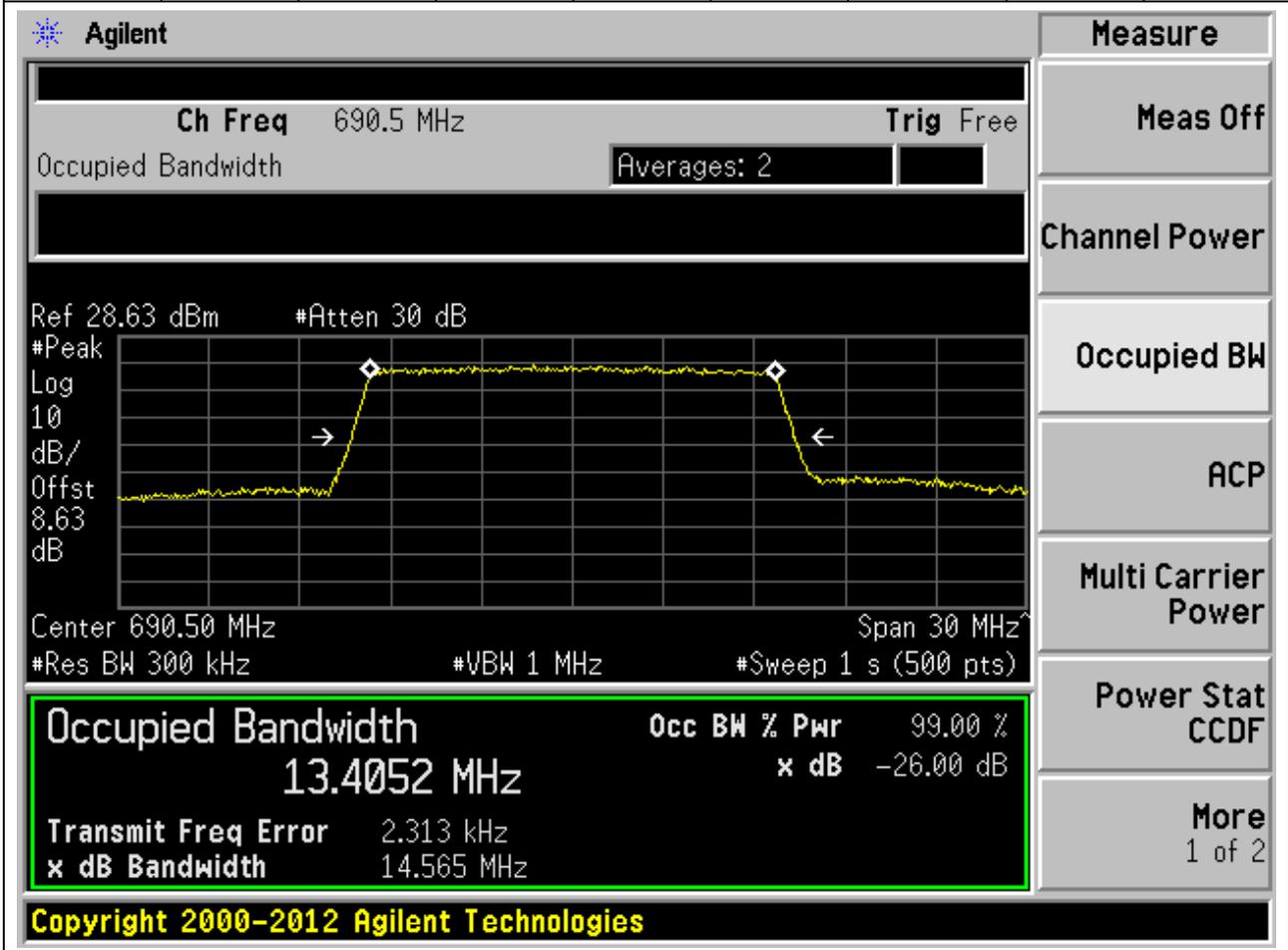
2.24. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:133297, Bandwidth:15, Modulation:64QAM, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
680.5	99	26	0.3	Peak	13.4	14.64	15	Pass



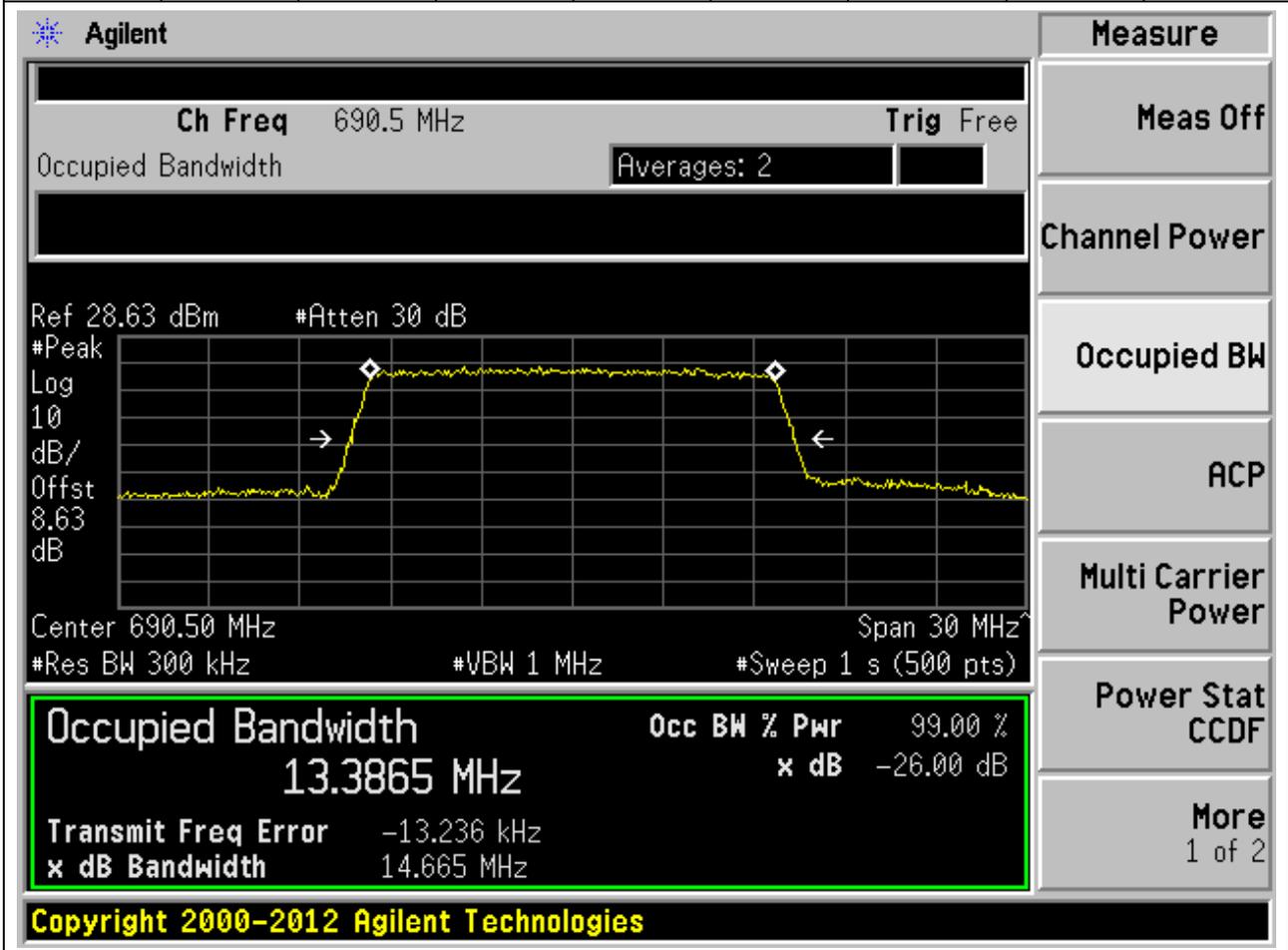
2.25. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:133397, Bandwidth:15, Modulation:QPSK, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
690.5	99	26	0.3	Peak	13.41	14.56	15	Pass



2.26. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:133397, Bandwidth:15, Modulation:16QAM, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
690.5	99	26	0.3	Peak	13.39	14.66	15	Pass



2.27. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:133397, Bandwidth:15, Modulation:64QAM, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
690.5	99	26	0.3	Peak	13.38	14.59	15	Pass

Agilent

Measure

Ch Freq 690.5 MHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 28.63 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
8.63

dB

Center 690.50 MHz
Span 30 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
13.3765 MHz	x dB -26.00 dB
Transmit Freq Error -5.667 kHz	
x dB Bandwidth 14.586 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

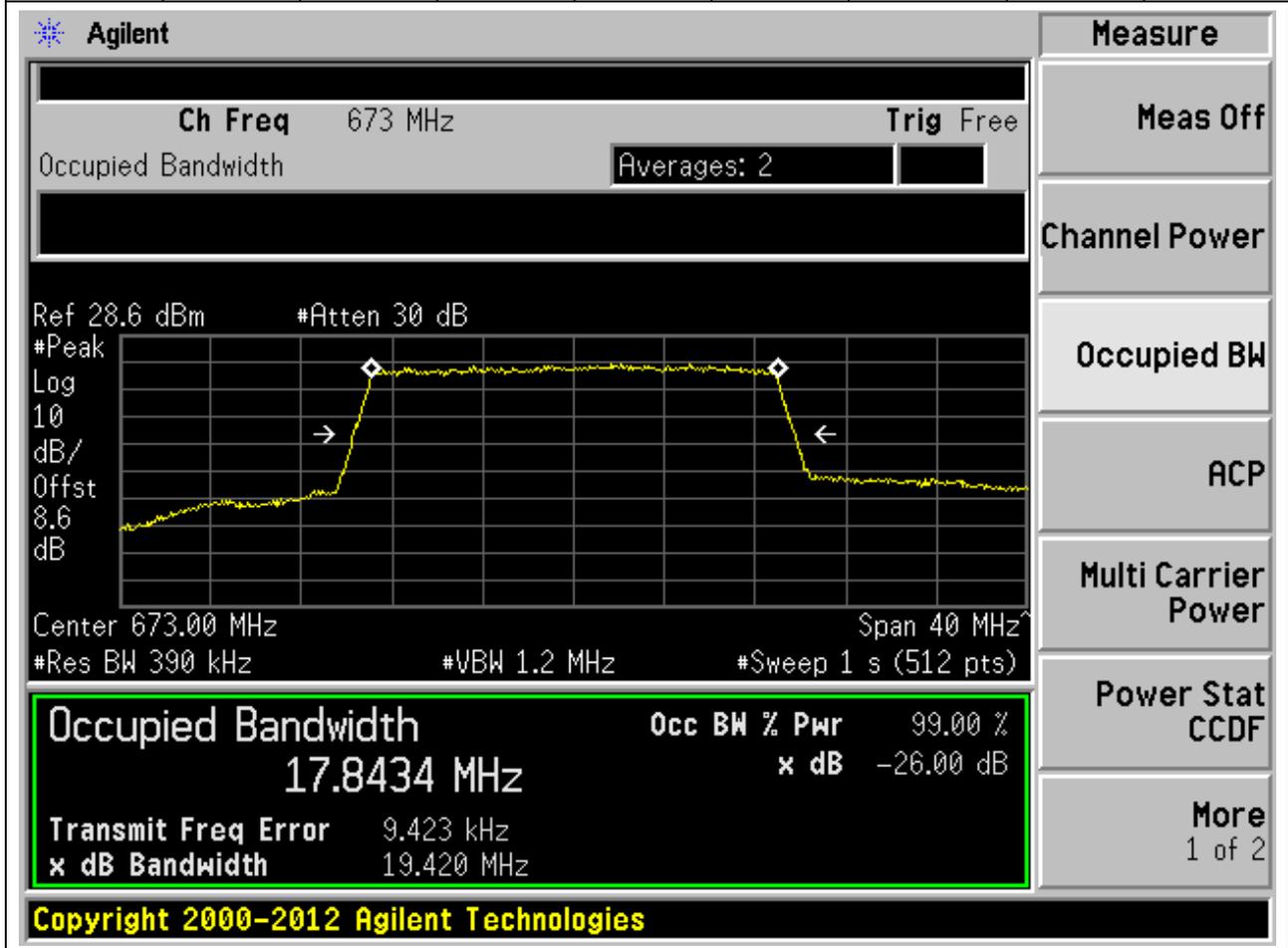
Power Stat CCDF

More 1 of 2

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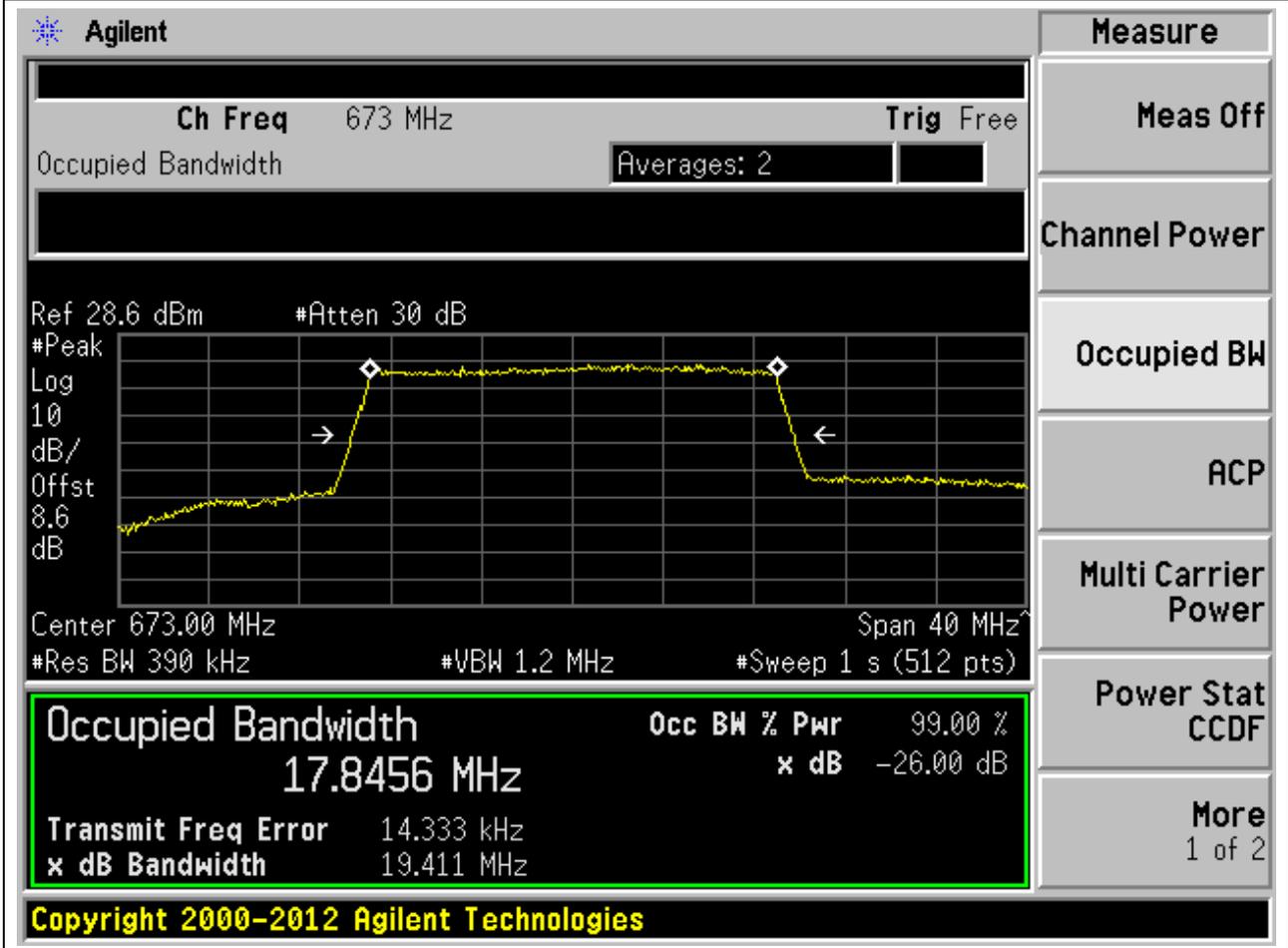
2.28. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:133222, Bandwidth:20, Modulation:QPSK, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
673	99	26	0.39	Peak	17.84	19.42	20	Pass



2.29. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:133222, Bandwidth:20, Modulation:16QAM, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
673	99	26	0.39	Peak	17.85	19.41	20	Pass



2.30. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:133222, Bandwidth:20, Modulation:64QAM, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
673	99	26	0.39	Peak	17.85	19.51	20	Pass

Agilent

Measure

Ch Freq 673 MHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 28.6 dBm #Atten 30 dB

Center 673.00 MHz Span 40 MHz
 #Res BW 390 kHz #VBW 1.2 MHz #Sweep 1 s (512 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
17.8495 MHz	x dB -26.00 dB
Transmit Freq Error 12.506 kHz	
x dB Bandwidth 19.507 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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2.31. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:133297, Bandwidth:20, Modulation:QPSK, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
680.5	99	26	0.39	Peak	17.86	19.44	20	Pass

Agilent

Measure

Ch Freq 680.5 MHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 28.59 dBm
#Atten 30 dB

#Peak
Log
10
dB/
Offst
8.59
dB

Center 680.50 MHz
Span 40 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
17.8617 MHz	x dB -26.00 dB
Transmit Freq Error 42.625 kHz	
x dB Bandwidth 19.441 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

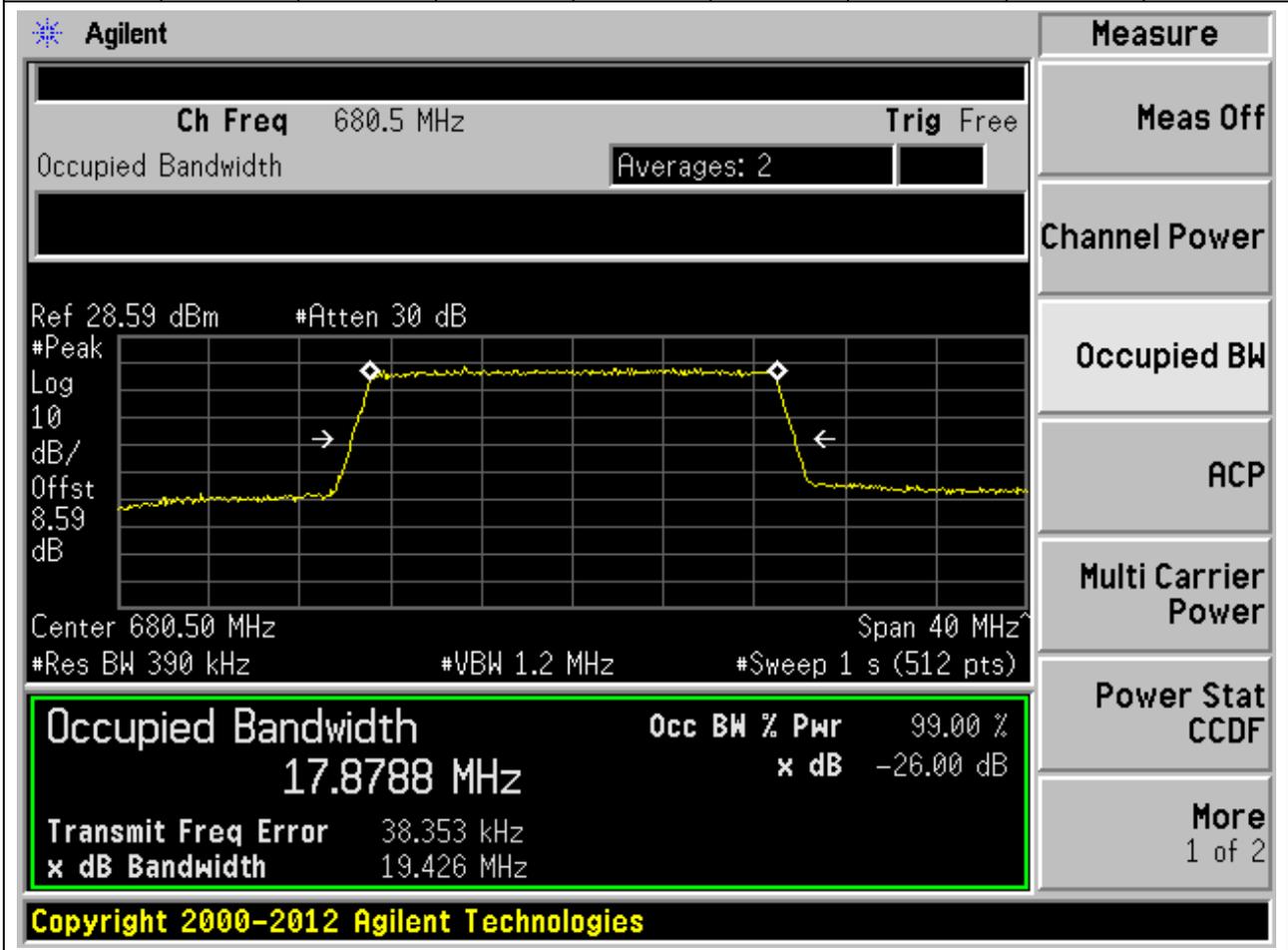
Power Stat CCDF

More
1 of 2

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2.32. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:133297, Bandwidth:20, Modulation:16QAM, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
680.5	99	26	0.39	Peak	17.88	19.43	20	Pass



2.33. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:133297, Bandwidth:20, Modulation:64QAM, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
680.5	99	26	0.39	Peak	17.87	19.52	20	Pass

Agilent

Measure

Ch Freq 680.5 MHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 28.59 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
8.59

dB

Center 680.50 MHz
Span 40 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
17.8738 MHz	x dB -26.00 dB
Transmit Freq Error 43.993 kHz	
x dB Bandwidth 19.521 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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2.34. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:133372, Bandwidth:20, Modulation:QPSK, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
688	99	26	0.39	Peak	17.82	19.37	20	Pass

Agilent

Ch Freq 688 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.62 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.62 dB

Center 688.00 MHz Span 40 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
17.8183 MHz	x dB	-26.00 dB
Transmit Freq Error		-458.555 Hz
x dB Bandwidth		19.370 MHz

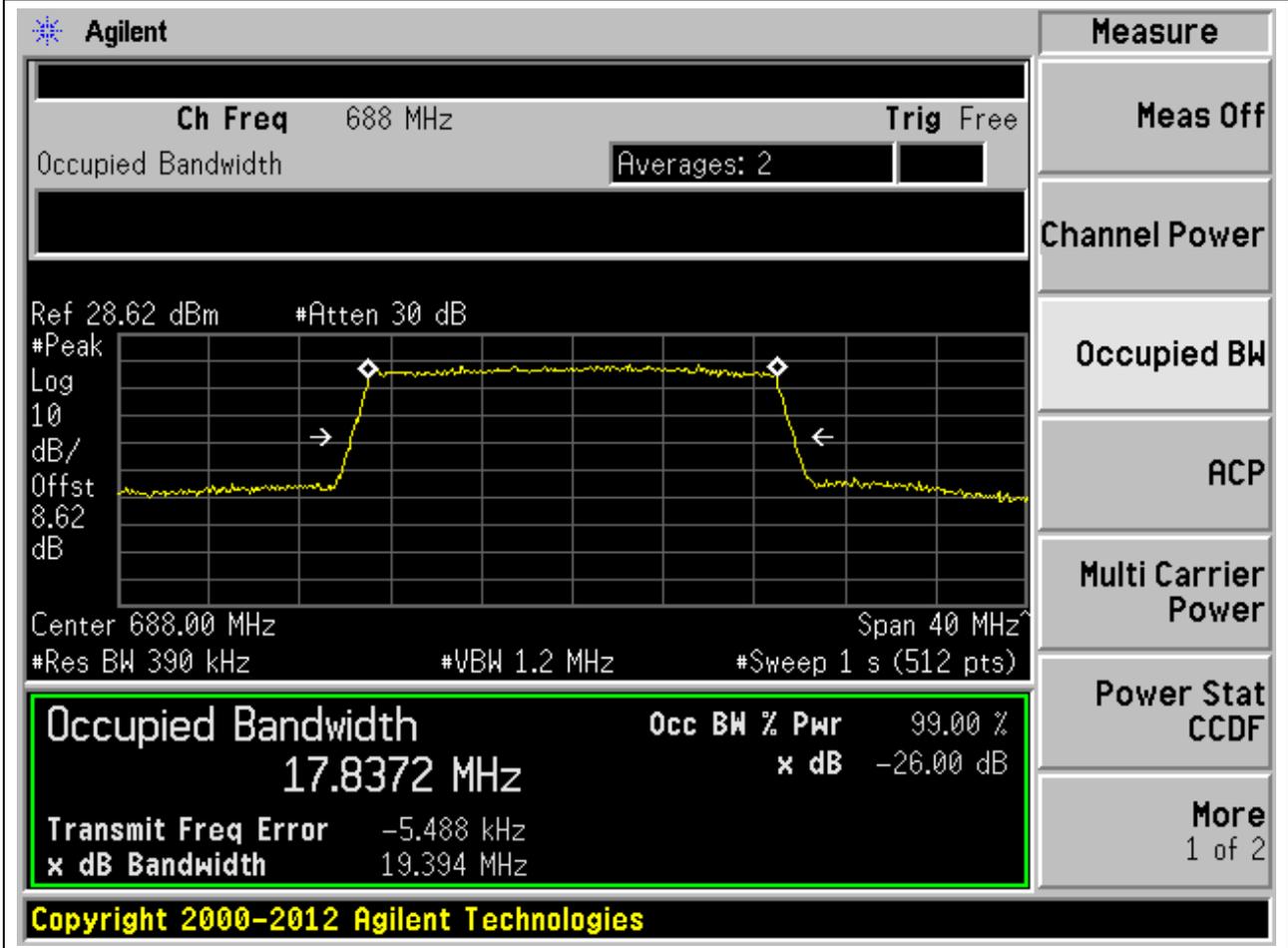
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Measure

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

2.35. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:133372, Bandwidth:20, Modulation:16QAM, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
688	99	26	0.39	Peak	17.84	19.39	20	Pass



2.36. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:133372, Bandwidth:20, Modulation:64QAM, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
688	99	26	0.39	Peak	17.84	19.45	20	Pass

Agilent
Measure

Ch Freq 688 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.62 dBm #Atten 30 dB

Center 688.00 MHz 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

17.8443 MHz

Transmit Freq Error 6.354 kHz

x dB Bandwidth 19.445 MHz

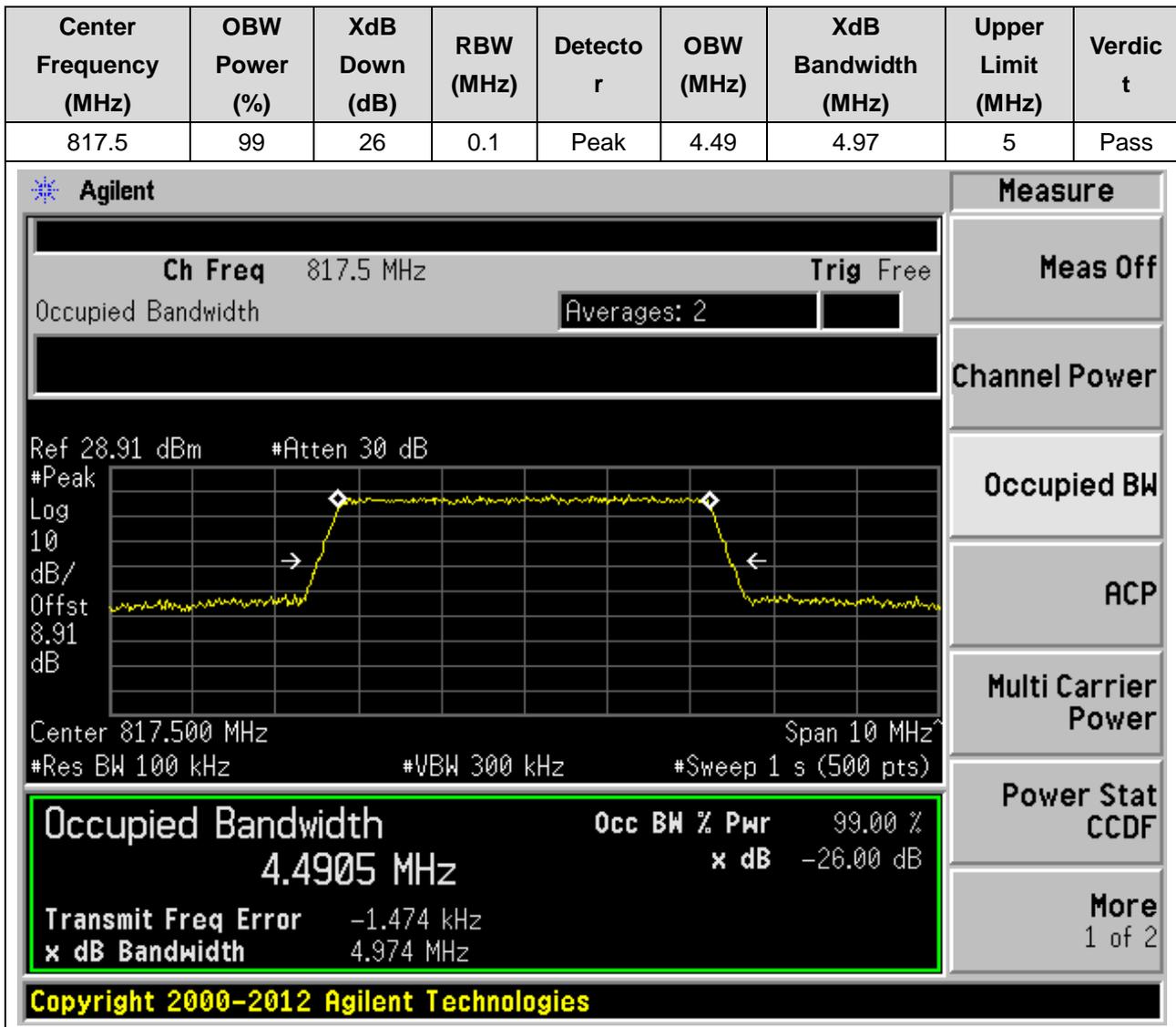
Occ BW % Pwr 99.00 %

x dB -26.00 dB

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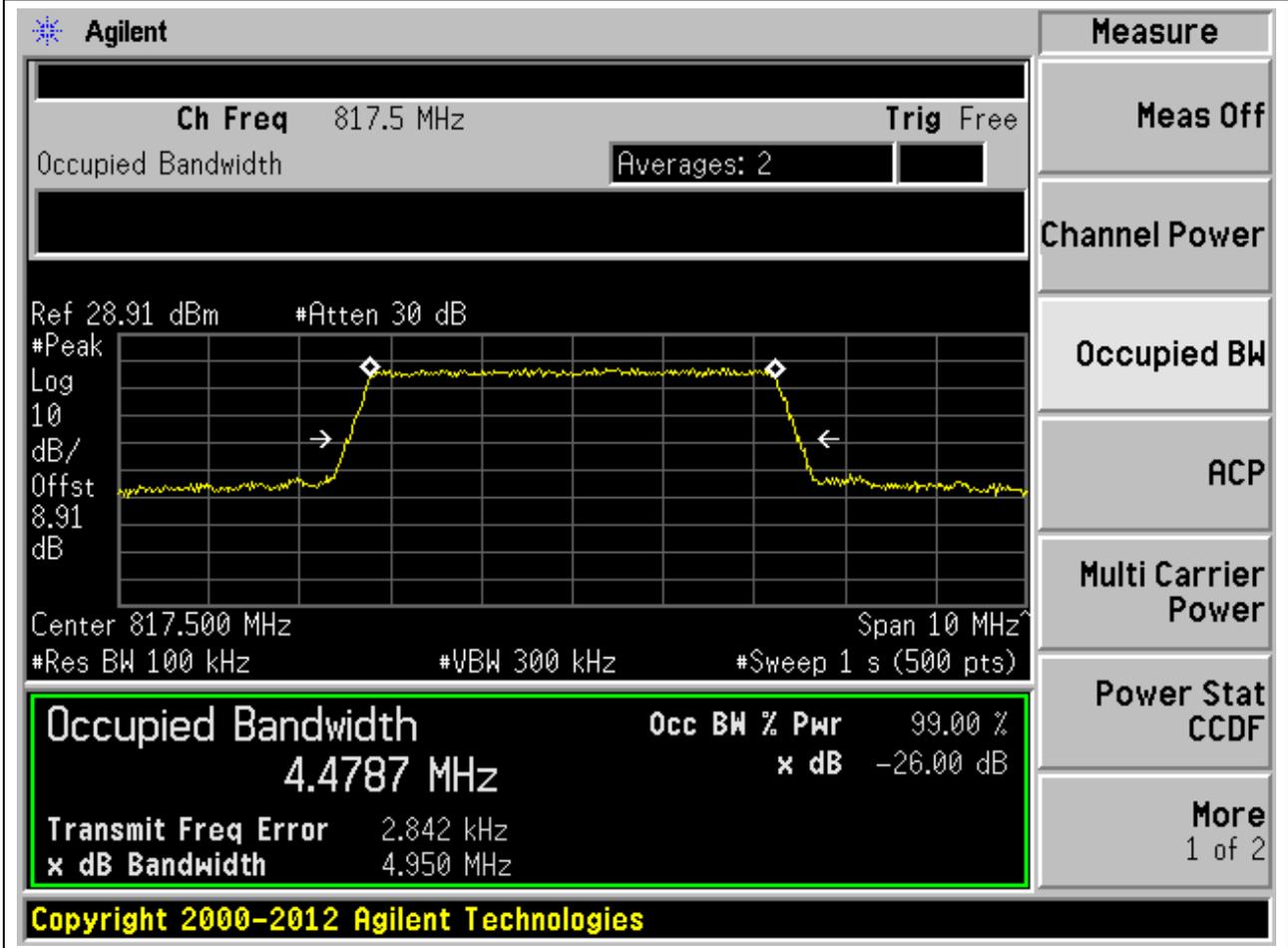
1. LTE_Band18(part90)

1.1. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:23875, Bandwidth:5, Modulation:QPSK, RB Number:25, RB Position:0)



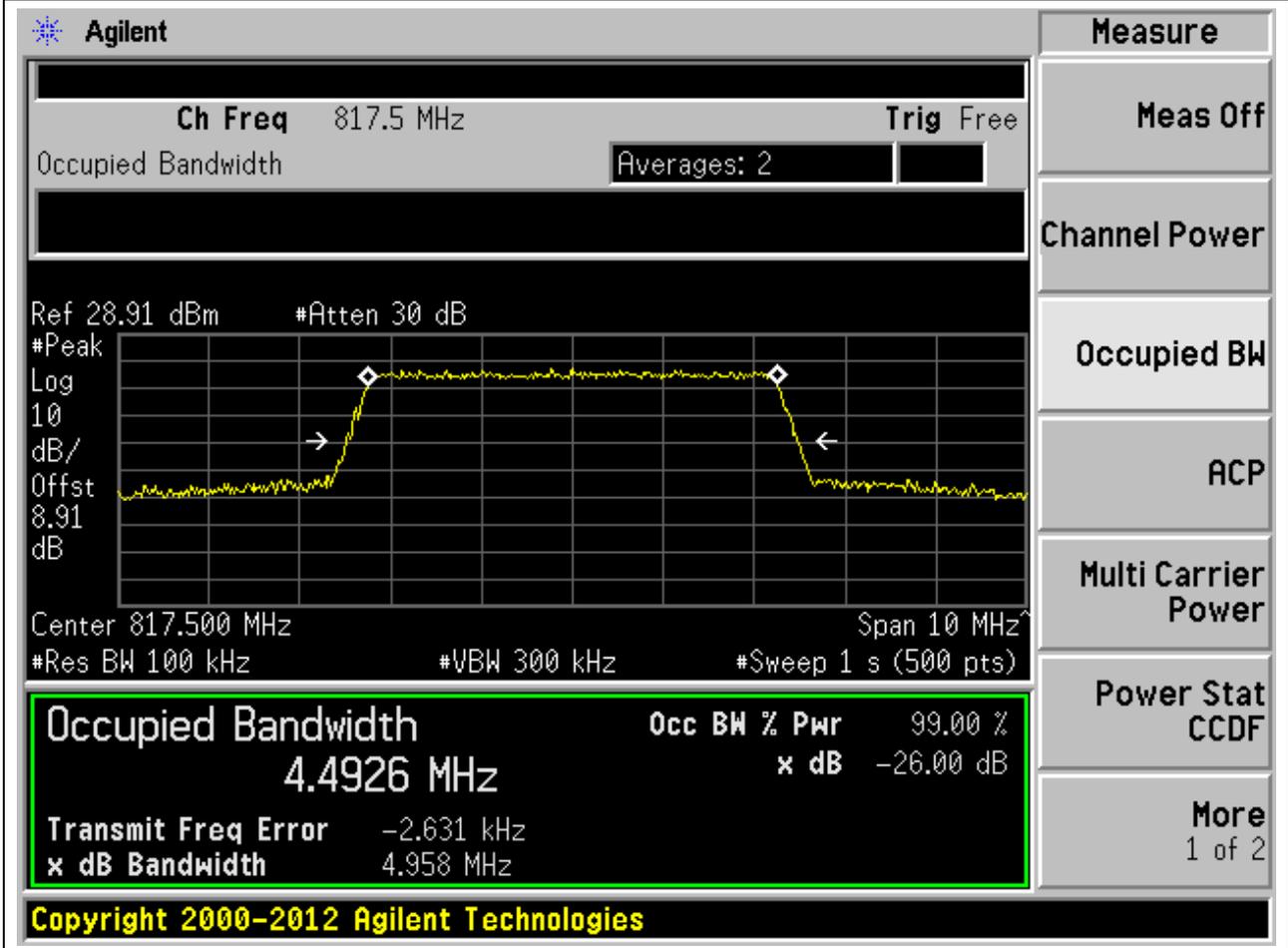
1.2. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:23875, Bandwidth:5, Modulation:16QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
817.5	99	26	0.1	Peak	4.48	4.95	5	Pass



1.3. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:23875, Bandwidth:5, Modulation:64QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
817.5	99	26	0.1	Peak	4.49	4.96	5	Pass



1.4. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:23875, Bandwidth:5, Modulation:256QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
817.5	99	26	0.1	Peak	4.48	4.9	5	Pass

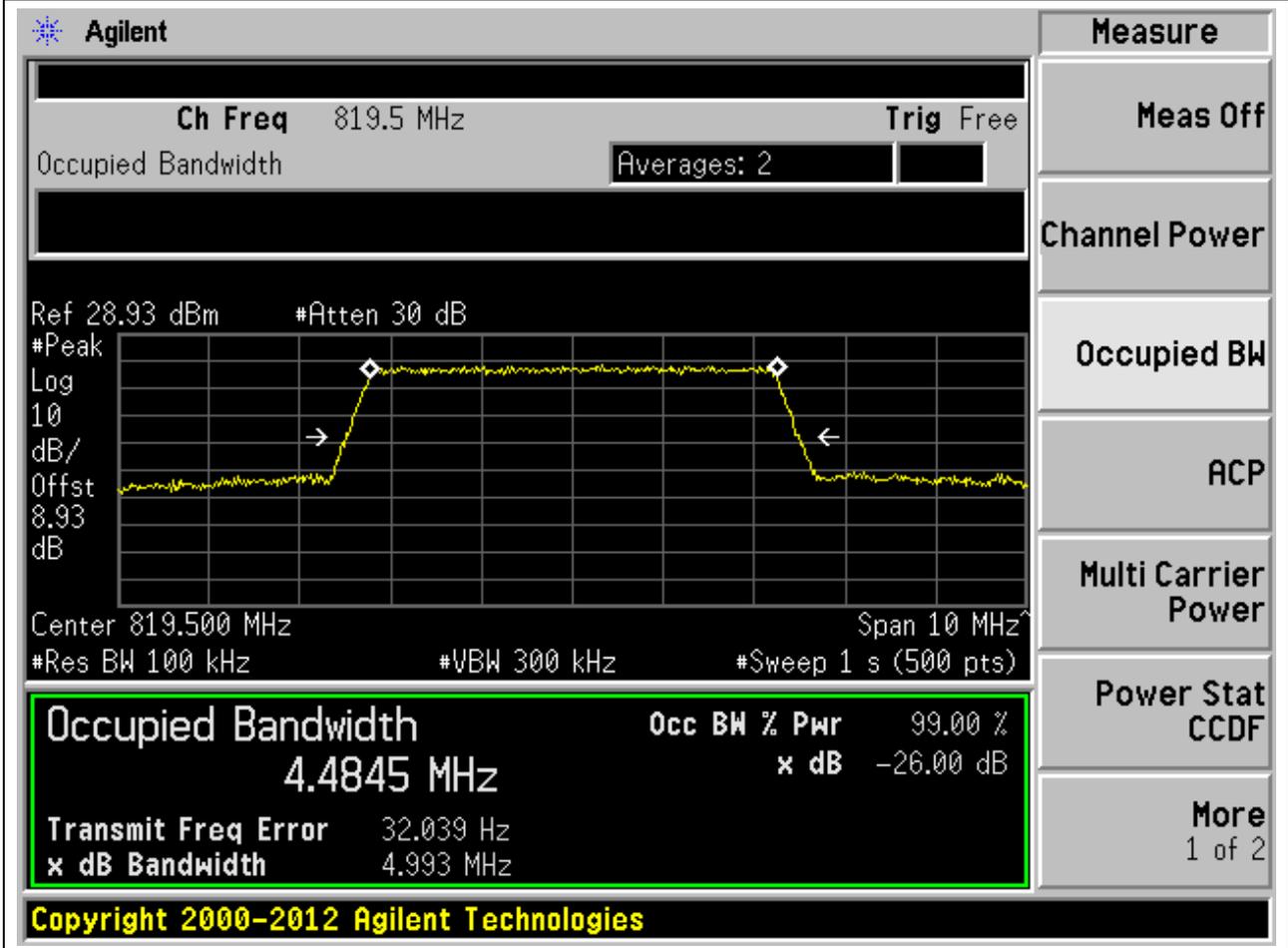
The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is 817.5 MHz and the trigger is set to Free. The main display shows a spectrum plot with a yellow trace. The plot is set to a logarithmic scale (Log 10 dB/Offst 8.91 dB) with a reference level of 28.91 dBm and 30 dB attenuation. The occupied bandwidth is highlighted with a green box, showing a value of 4.4780 MHz. The percentage of power within this bandwidth is 99.00%, and the XdB bandwidth is -26.00 dB. Other parameters shown include a transmit frequency error of 642.570 Hz and an XdB bandwidth of 4.902 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).

Occupied Bandwidth	Occ BW % Pwr	x dB
4.4780 MHz	99.00 %	-26.00 dB

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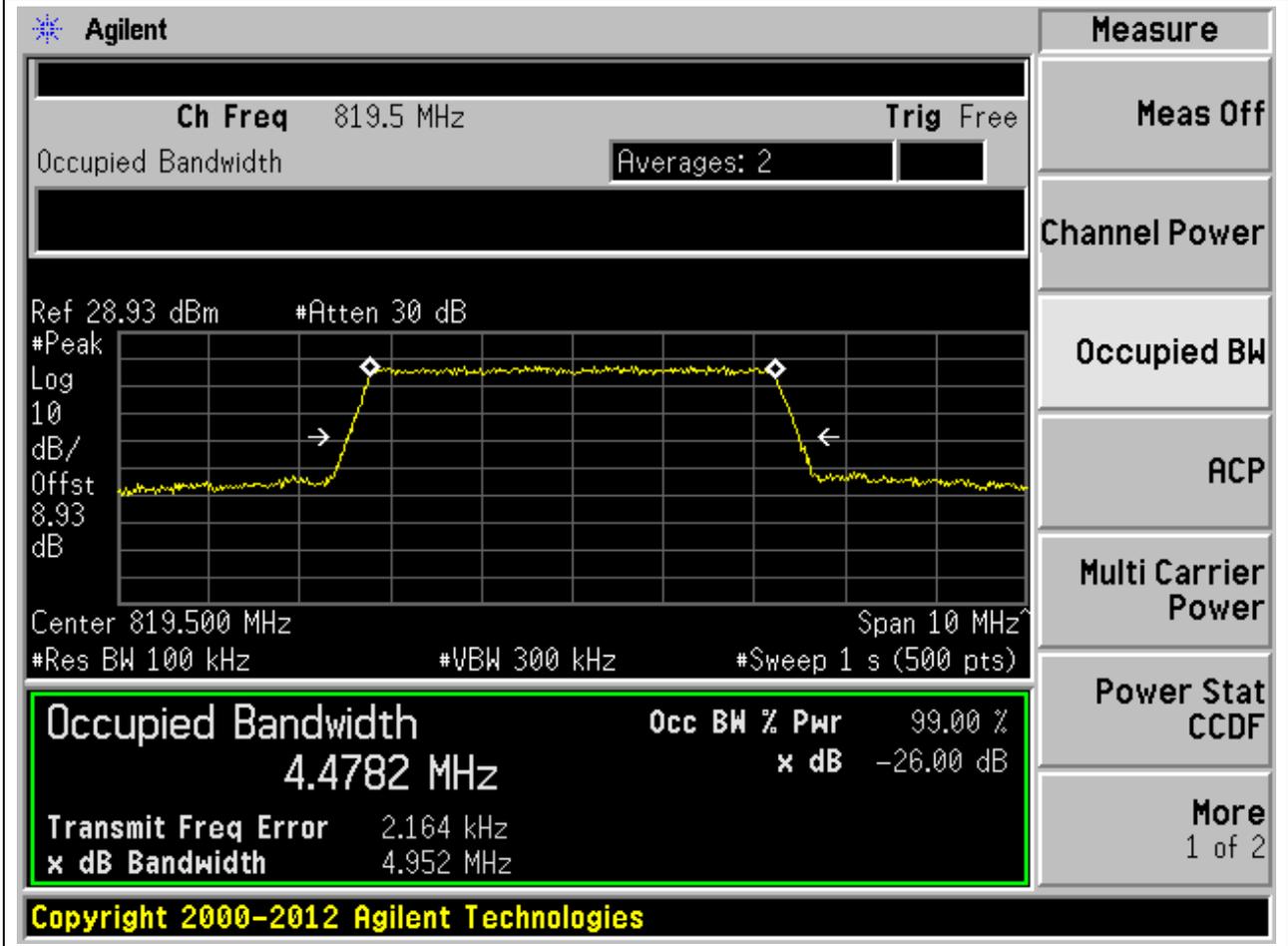
1.5. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:23895, Bandwidth:5, Modulation:QPSK, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
819.5	99	26	0.1	Peak	4.48	4.99	5	Pass



1.6. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:23895, Bandwidth:5, Modulation:16QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
819.5	99	26	0.1	Peak	4.48	4.95	5	Pass



1.7. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:23895, Bandwidth:5, Modulation:64QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
819.5	99	26	0.1	Peak	4.49	4.94	5	Pass

Agilent

Ch Freq 819.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.93 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.93 dB

Center 819.500 MHz Span 10 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.4877 MHz	x dB	-26.00 dB
Transmit Freq Error		-3.793 kHz
x dB Bandwidth		4.940 MHz

Measure

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

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1.8. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:23895, Bandwidth:5, Modulation:256QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
819.5	99	26	0.1	Peak	4.48	4.92	5	Pass

Agilent
Measure

Ch Freq 819.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.93 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.93 dB

Center 819.500 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

4.4765 MHz

Transmit Freq Error -2.562 kHz

x dB Bandwidth 4.923 MHz

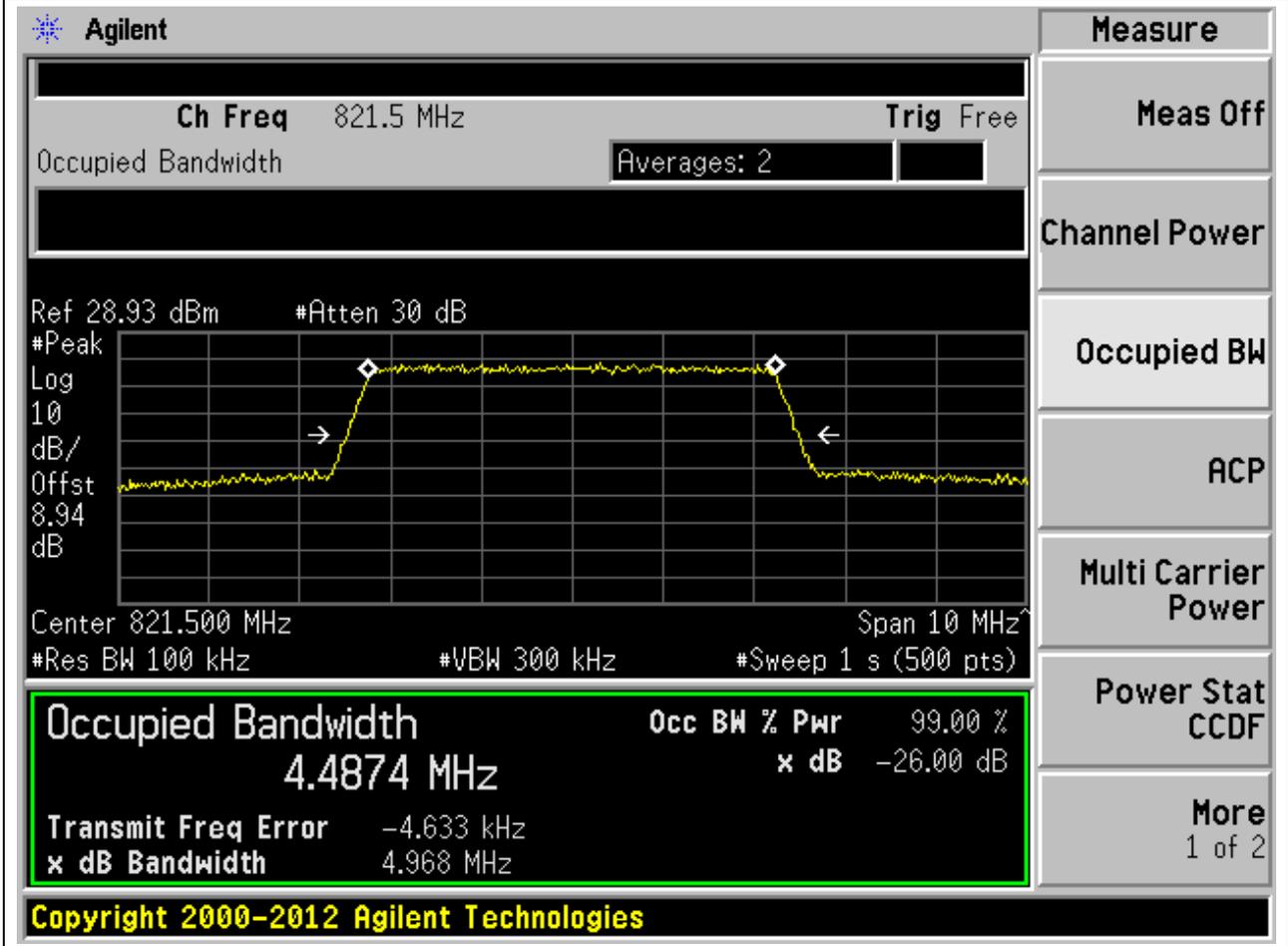
Occ BW % Pwr 99.00 %

x dB -26.00 dB

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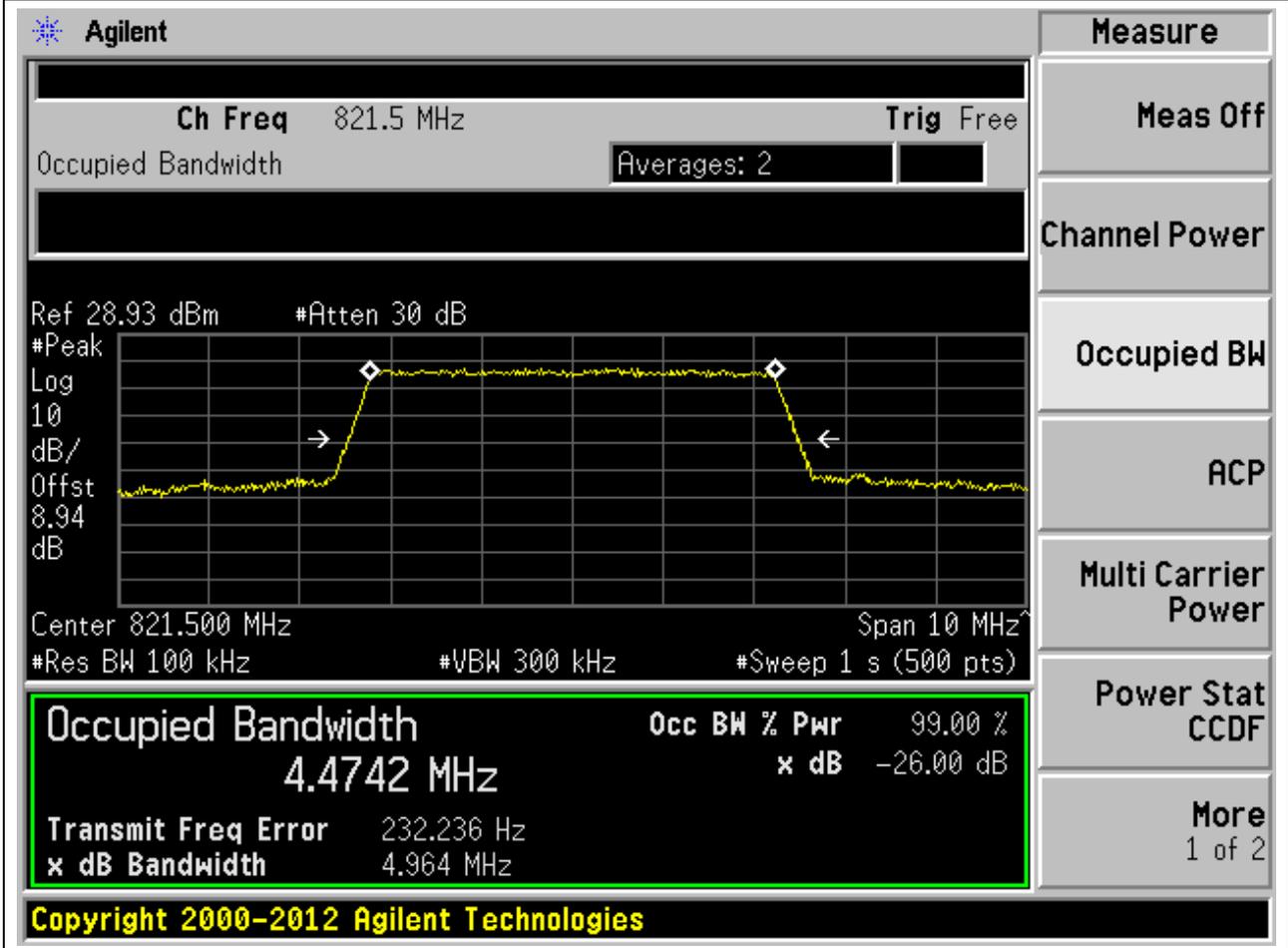
1.9. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:23915, Bandwidth:5, Modulation:QPSK, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
821.5	99	26	0.1	Peak	4.49	4.97	5	Pass



1.10. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:23915, Bandwidth:5, Modulation:16QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
821.5	99	26	0.1	Peak	4.47	4.96	5	Pass



1.11. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:23915, Bandwidth:5, Modulation:64QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
821.5	99	26	0.1	Peak	4.49	4.95	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 28.93 dBm #Atten 30 dB

#Peak

Log 10 dB/Offst 8.94 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 %
4.4895 MHz	x dB -26.00 dB
Transmit Freq Error	-6.555 kHz
x dB Bandwidth	4.952 MHz

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1.12. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:23915, Bandwidth:5, Modulation:256QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
821.5	99	26	0.1	Peak	4.49	4.96	5	Pass

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

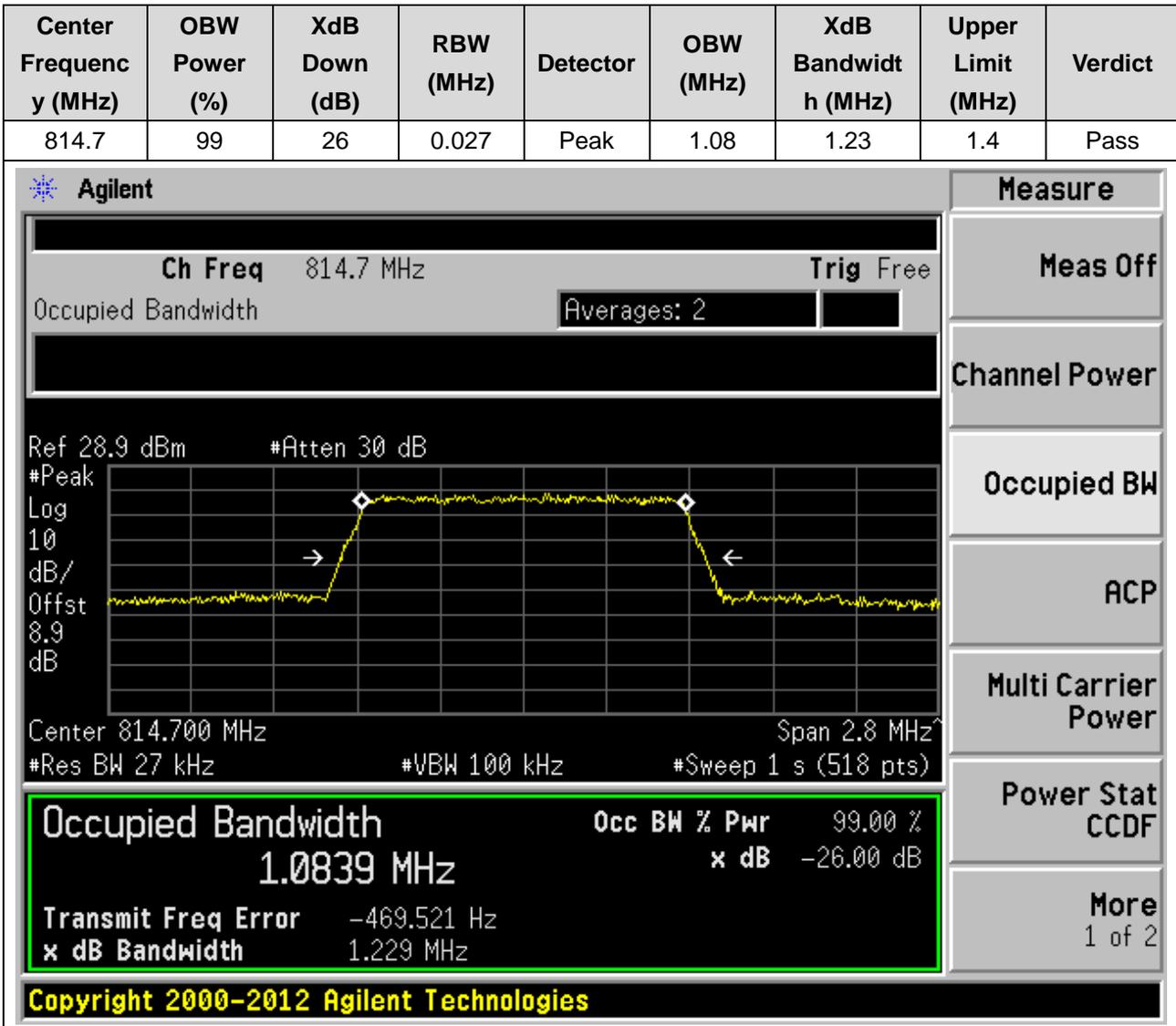
Measurement	Value
Occupied Bandwidth	4.4881 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-1.809 kHz
x dB Bandwidth	4.955 MHz

Additional parameters shown in the interface include: Ch Freq 821.5 MHz, Trig Free, Averages: 2, Ref 28.93 dBm, #Atten 30 dB, #Peak Log 10 dB/Offst 8.94 dB, Center 821.500 MHz, Span 10 MHz, #Res BW 100 kHz, #VBW 300 kHz, #Sweep 1 s (500 pts).

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2. LTE_Band26(part90)

2.1. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:26697, Bandwidth:1.4, Modulation:QPSK, RB Number:6, RB Position:0)



2.2. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:26697, Bandwidth:1.4, Modulation:16QAM, RB Number:6, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
814.7	99	26	0.027	Peak	1.09	1.22	1.4	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal trace with a yellow line representing the signal level. The trace is centered at 814.700 MHz with a span of 2.8 MHz. The resolution bandwidth (RBW) is 27 kHz, and the video bandwidth (VBW) is 100 kHz. The sweep time is 1 s (518 pts). The signal level is approximately 28.9 dBm, and the attenuation is 30 dB. The occupied bandwidth is measured as 1.0892 MHz, which is 99.00% of the 1.1 MHz channel bandwidth. The XdB bandwidth is 1.225 MHz, and the XdB down is -26.00 dB. The transmit frequency error is 2.281 kHz. The interface also shows a 'Measure' menu with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The copyright notice at the bottom reads 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
1.0892 MHz	x dB	-26.00 dB
Transmit Freq Error	2.281 kHz	
x dB Bandwidth	1.225 MHz	

2.3. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:26697, Bandwidth:1.4, Modulation:64QAM, RB Number:6, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
814.7	99	26	0.027	Peak	1.09	1.23	1.4	Pass

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

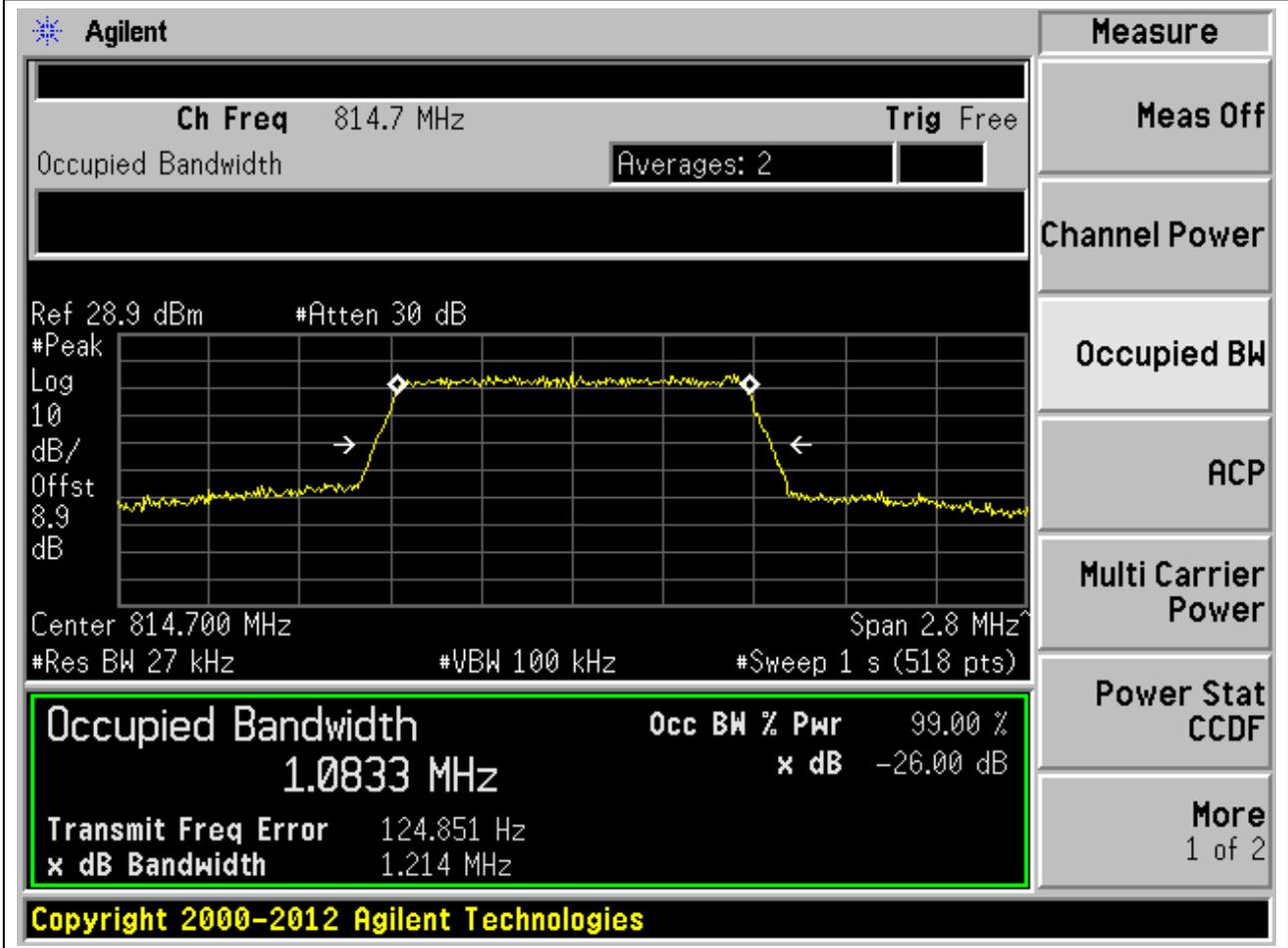
Measurement	Value
Occupied Bandwidth	1.0875 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	536.755 Hz
x dB Bandwidth	1.227 MHz

Additional parameters shown in the interface include: Ch Freq 814.7 MHz, Trig Free, Averages: 2, Ref 28.9 dBm, #Atten 30 dB, #Peak Log 10 dB/Offst 8.9 dB, Center 814.700 MHz, Span 2.8 MHz, #Res BW 27 kHz, #VBW 100 kHz, #Sweep 1 s (518 pts).

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2.4. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:26697, Bandwidth:1.4, Modulation:256QAM, RB Number:6, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
814.7	99	26	0.027	Peak	1.08	1.21	1.4	Pass



2.5. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:26740, Bandwidth:1.4, Modulation:QPSK, RB Number:6, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
819	99	26	0.027	Peak	1.09	1.23	1.4	Pass

Agilent

Ch Freq 819 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.92 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.92 dB

Center 819.000 MHz Span 2.8 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
1.0880 MHz	x dB	-26.00 dB
Transmit Freq Error		-990.241 Hz
x dB Bandwidth		1.232 MHz

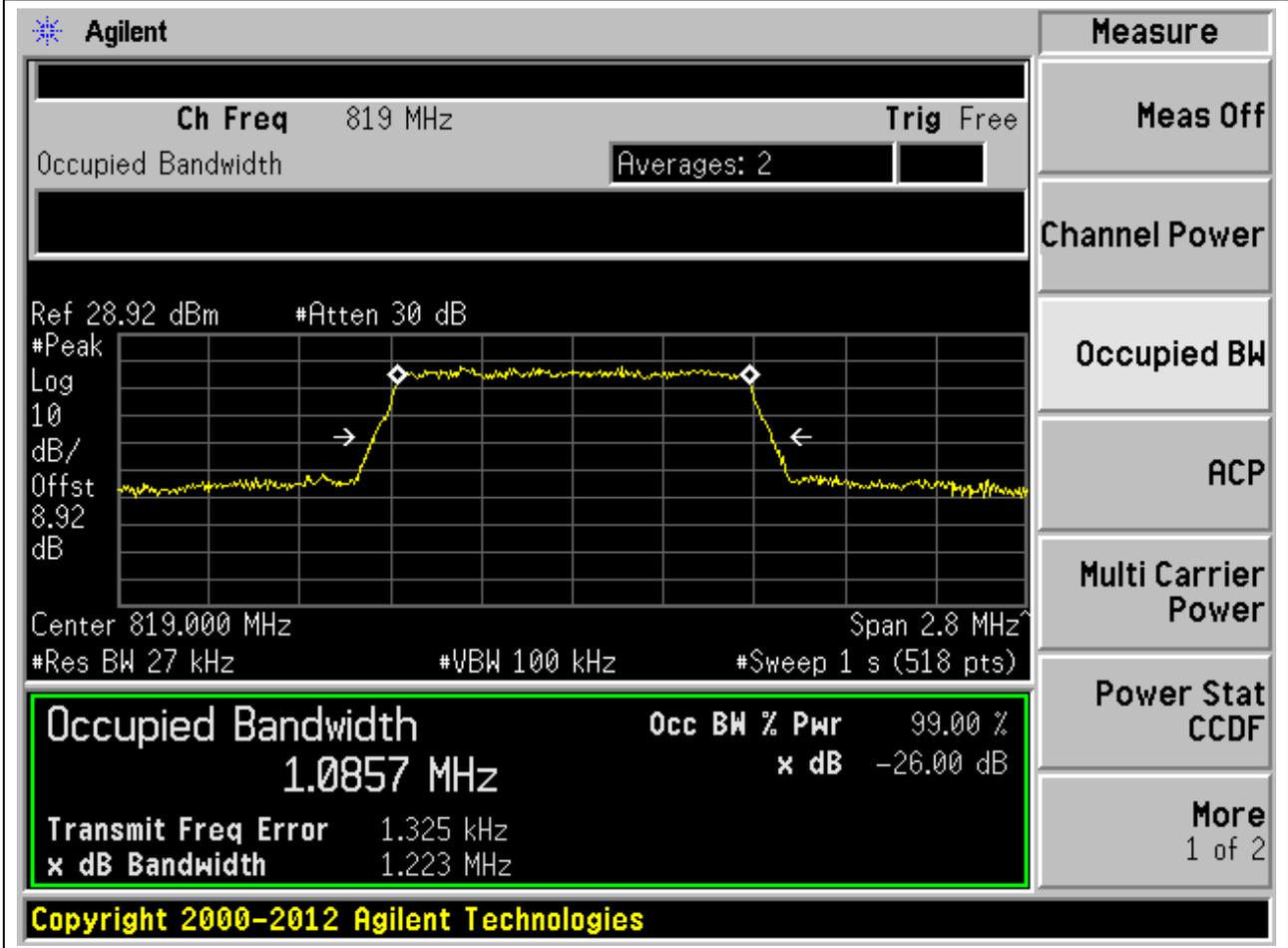
Measure

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

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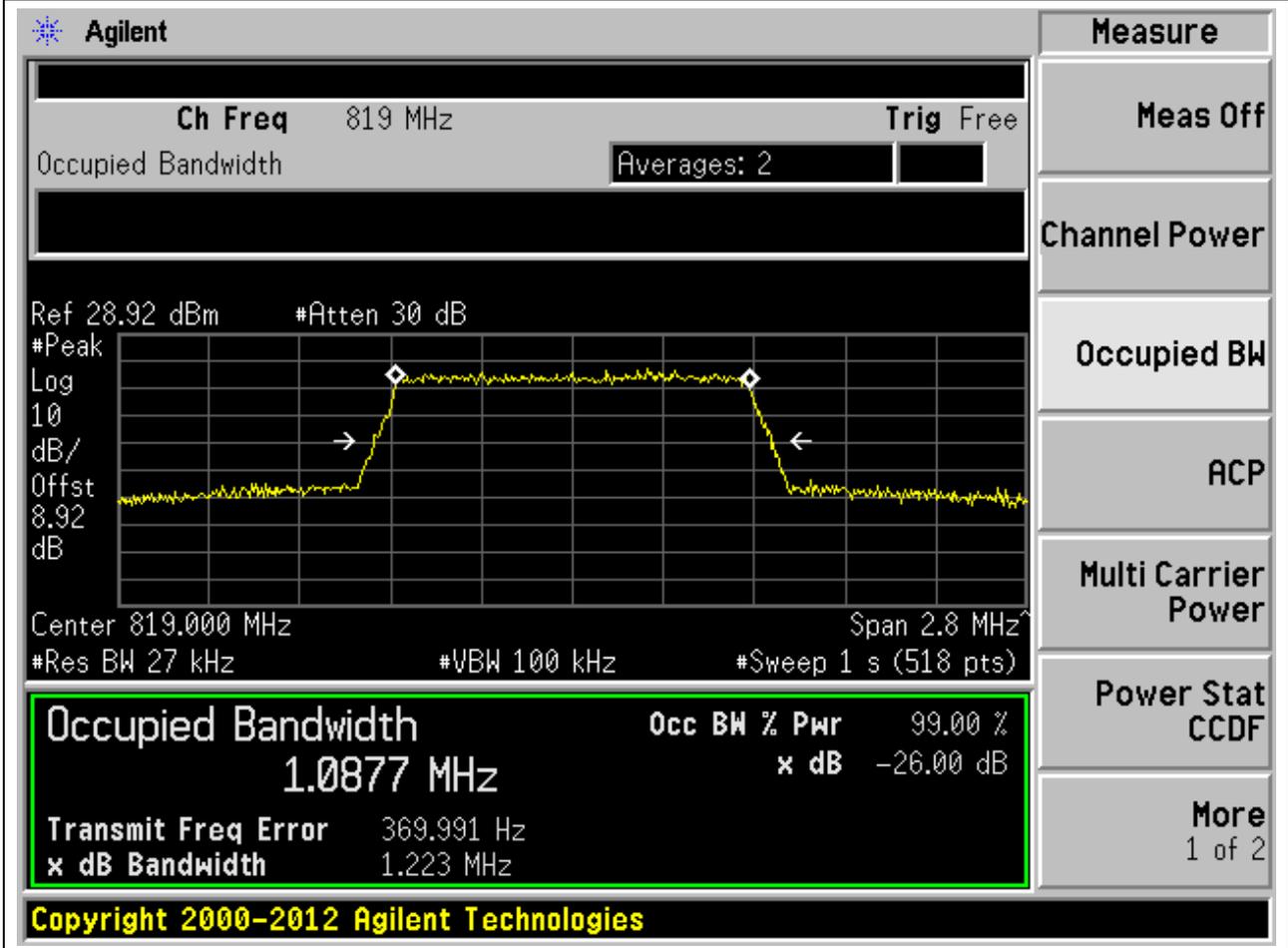
2.6. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:26740, Bandwidth:1.4, Modulation:16QAM, RB Number:6, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
819	99	26	0.027	Peak	1.09	1.22	1.4	Pass



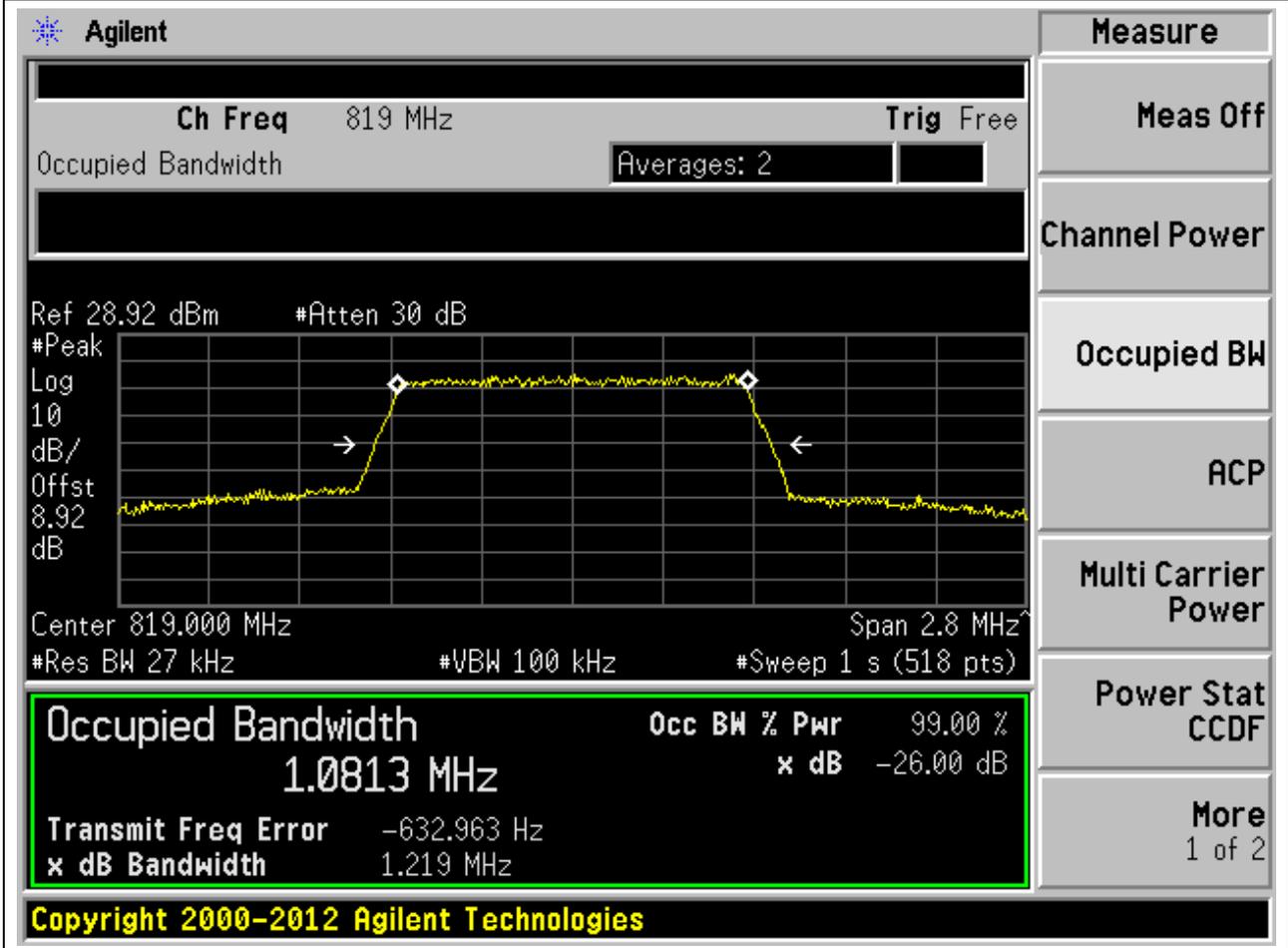
2.7. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:26740, Bandwidth:1.4, Modulation:64QAM, RB Number:6, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
819	99	26	0.027	Peak	1.09	1.22	1.4	Pass



2.8. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:26740, Bandwidth:1.4, Modulation:256QAM, RB Number:6, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
819	99	26	0.027	Peak	1.08	1.22	1.4	Pass



2.9. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:26783, Bandwidth:1.4, Modulation:QPSK, RB Number:6, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
823.3	99	26	0.027	Peak	1.09	1.23	1.4	Pass

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

Measurement	Value
Occupied Bandwidth	1.0883 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-1.213 kHz
x dB Bandwidth	1.232 MHz

Additional parameters shown in the interface include: Ch Freq 823.3 MHz, Trig Free, Averages: 2, Ref 28.94 dBm, #Atten 30 dB, #Peak Log 10 dB/Offst 8.94 dB, Center 823.300 MHz, Span 2.8 MHz, #Res BW 27 kHz, #VBW 100 kHz, #Sweep 1 s (518 pts).

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2.10. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:26783, Bandwidth:1.4, Modulation:16QAM, RB Number:6, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
823.3	99	26	0.027	Peak	1.09	1.22	1.4	Pass

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

Measurement	Value
Occupied Bandwidth	1.0862 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	667.456 Hz
x dB Bandwidth	1.224 MHz

Additional parameters shown in the interface include: Ch Freq 823.3 MHz, Trig Free, Averages: 2, Ref 28.94 dBm, #Atten 30 dB, #Peak Log 10 dB/Offst 8.94 dB, Center 823.300 MHz, Span 2.8 MHz, #Res BW 27 kHz, #VBW 100 kHz, #Sweep 1 s (518 pts).

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2.11. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:26783, Bandwidth:1.4, Modulation:64QAM, RB Number:6, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
823.3	99	26	0.027	Peak	1.09	1.23	1.4	Pass

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

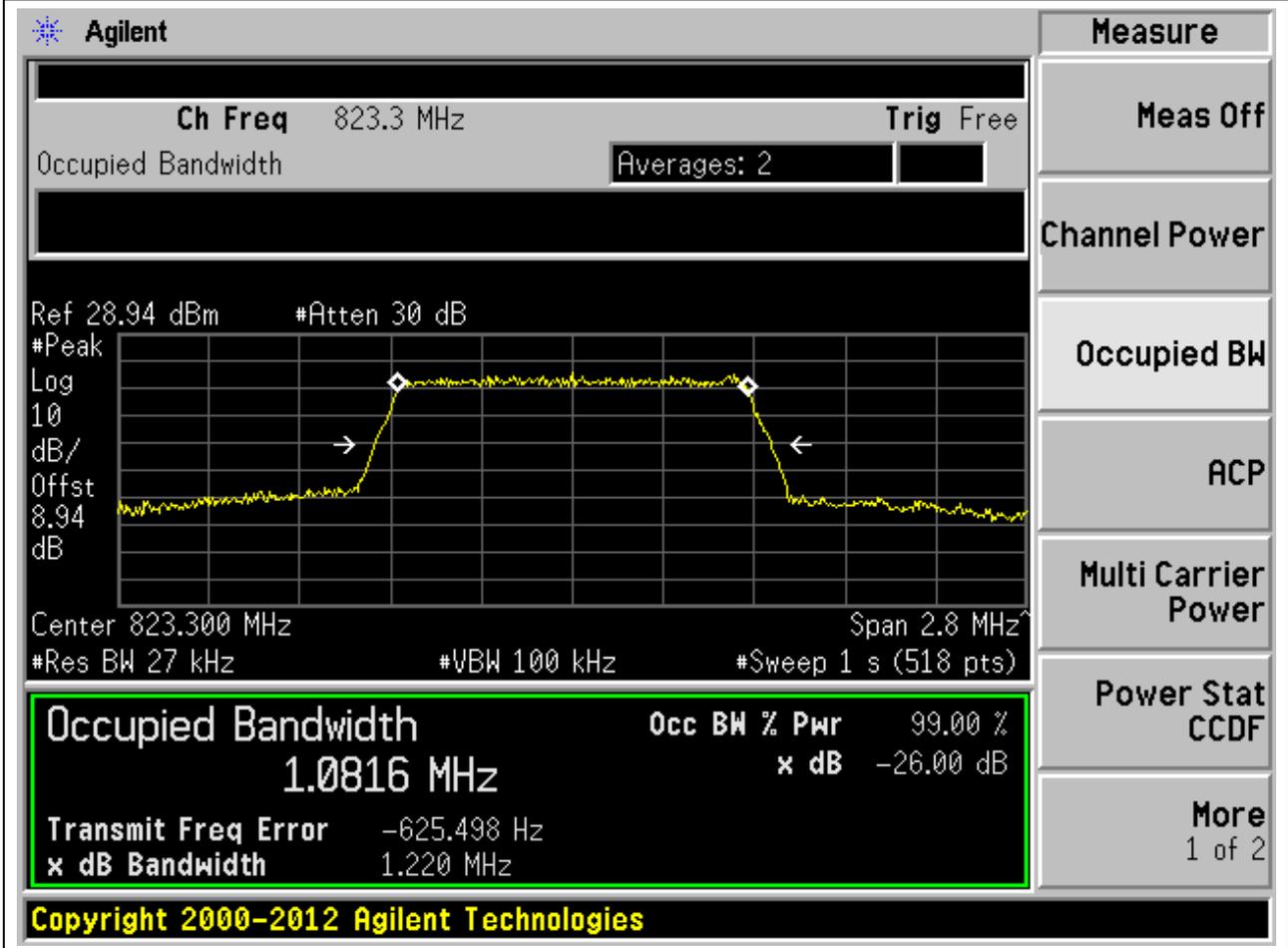
Measurement	Value
Occupied Bandwidth	1.0876 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	352.133 Hz
x dB Bandwidth	1.227 MHz

Additional parameters shown in the interface include: Ch Freq 823.3 MHz, Trig Free, Averages: 2, Ref 28.94 dBm, #Atten 30 dB, #Peak Log 10 dB/Offst 8.94 dB, Center 823.300 MHz, Span 2.8 MHz, #Res BW 27 kHz, #VBW 100 kHz, #Sweep 1 s (518 pts).

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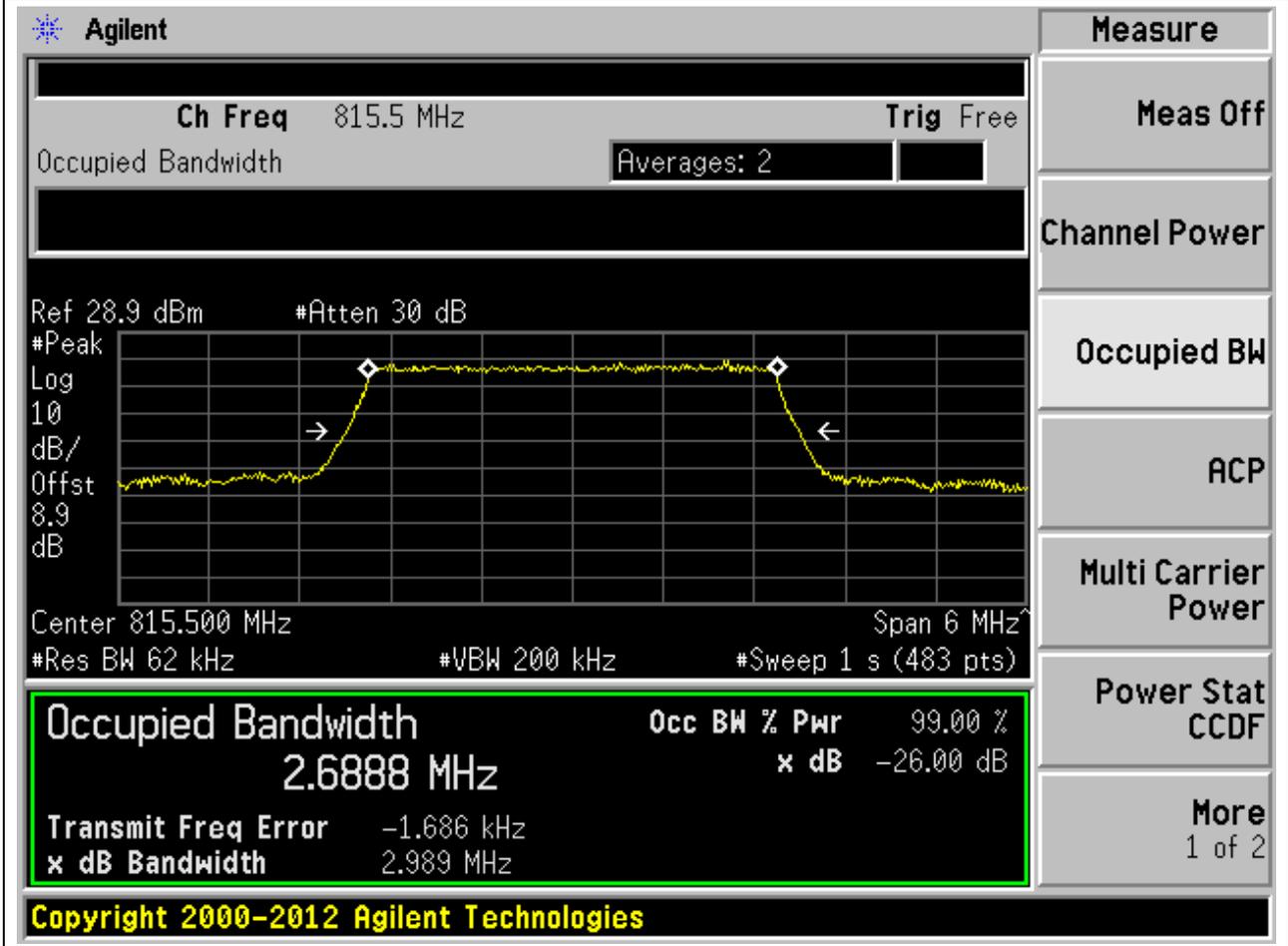
2.12. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:26783, Bandwidth:1.4, Modulation:256QAM, RB Number:6, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
823.3	99	26	0.027	Peak	1.08	1.22	1.4	Pass



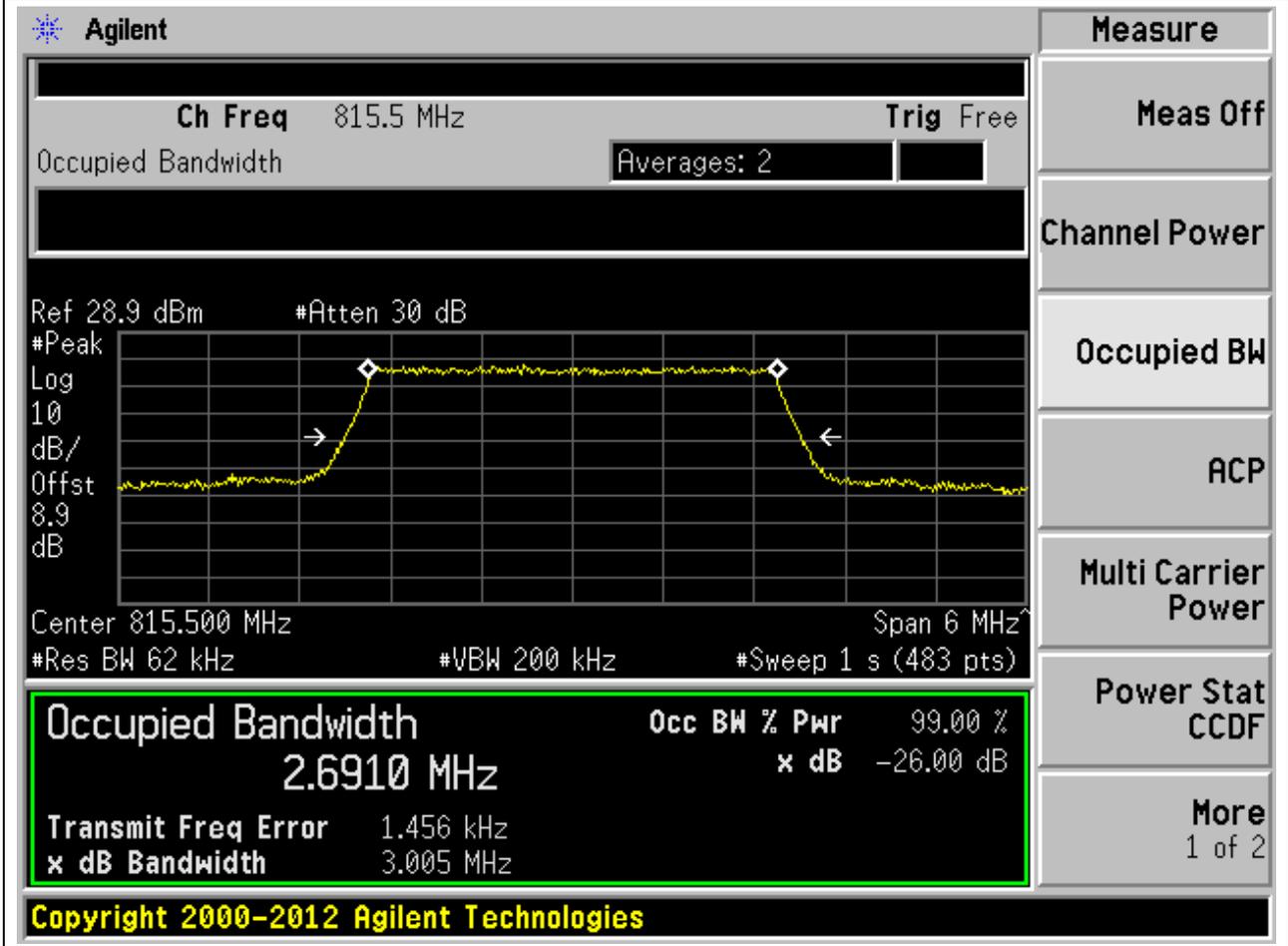
2.13. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:26705, Bandwidth:3, Modulation:QPSK, RB Number:15, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
815.5	99	26	0.062	Peak	2.69	2.99	3	Pass



2.14. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:26705, Bandwidth:3, Modulation:16QAM, RB Number:15, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
815.5	99	26	0.062	Peak	2.69	3.01	3	Pass



2.15. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:26705, Bandwidth:3, Modulation:64QAM, RB Number:15, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
815.5	99	26	0.062	Peak	2.69	2.98	3	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 815.500 MHz, and the span is 6 MHz. The occupied bandwidth is measured as 2.6934 MHz. The power is 99.00% and the XdB down is -26.00 dB. The detector is set to Peak. The RBW is 62 kHz, and the VBW is 200 kHz. The sweep time is 1 s (483 pts). 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 %
2.6934 MHz	x dB	-26.00 dB
Transmit Freq Error	3.481 kHz	
x dB Bandwidth	2.983 MHz	

2.16. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:26705, Bandwidth:3, Modulation:256QAM, RB Number:15, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
815.5	99	26	0.062	Peak	2.69	3	3	Pass

Agilent

Ch Freq 815.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.9 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.9 dB

Center 815.500 MHz Span 6 MHz

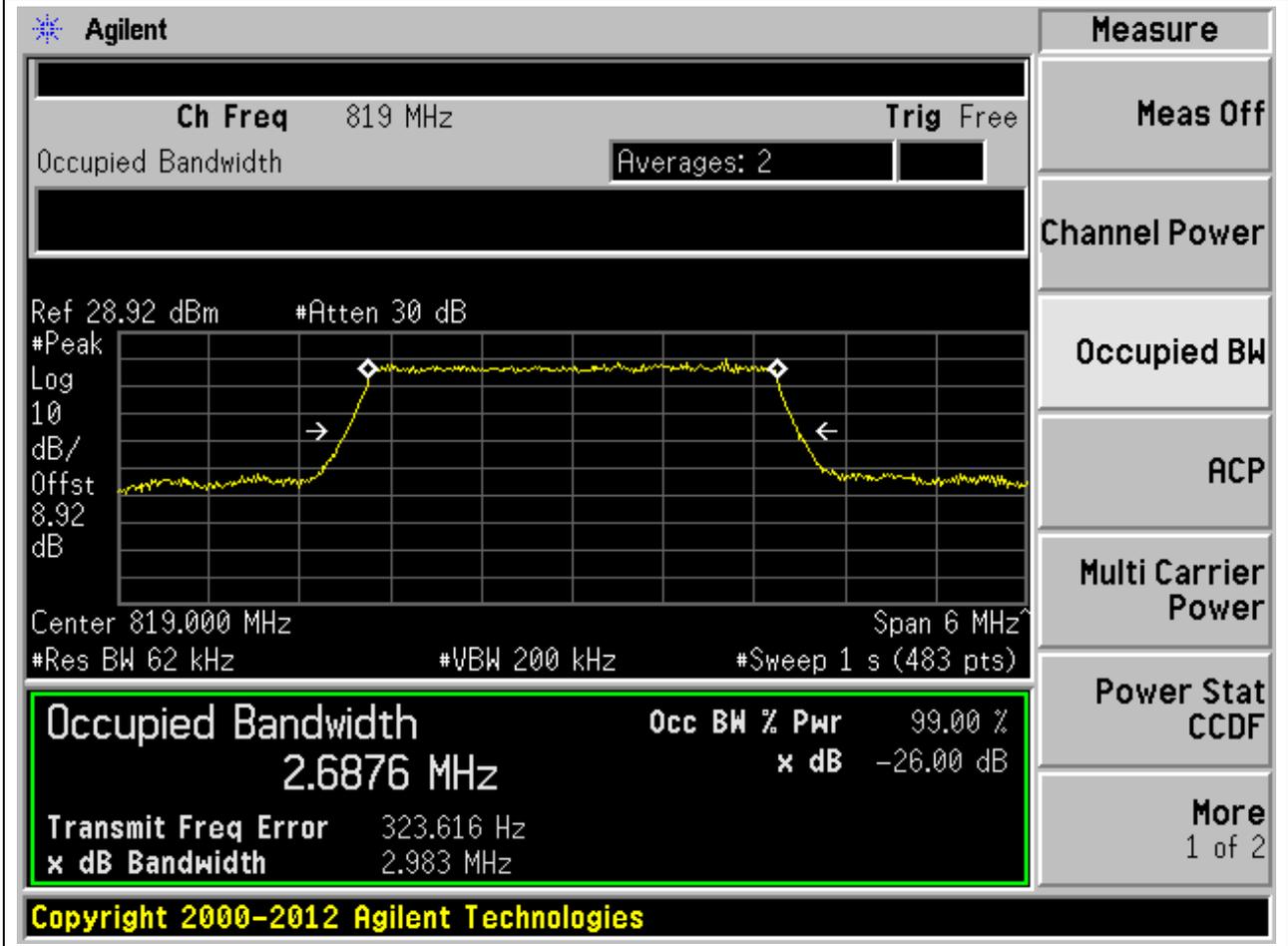
#Res BW 62 kHz #VBW 200 kHz #Sweep 1 s (483 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
2.6946 MHz	x dB	-26.00 dB
Transmit Freq Error	922.937 Hz	
x dB Bandwidth	2.997 MHz	

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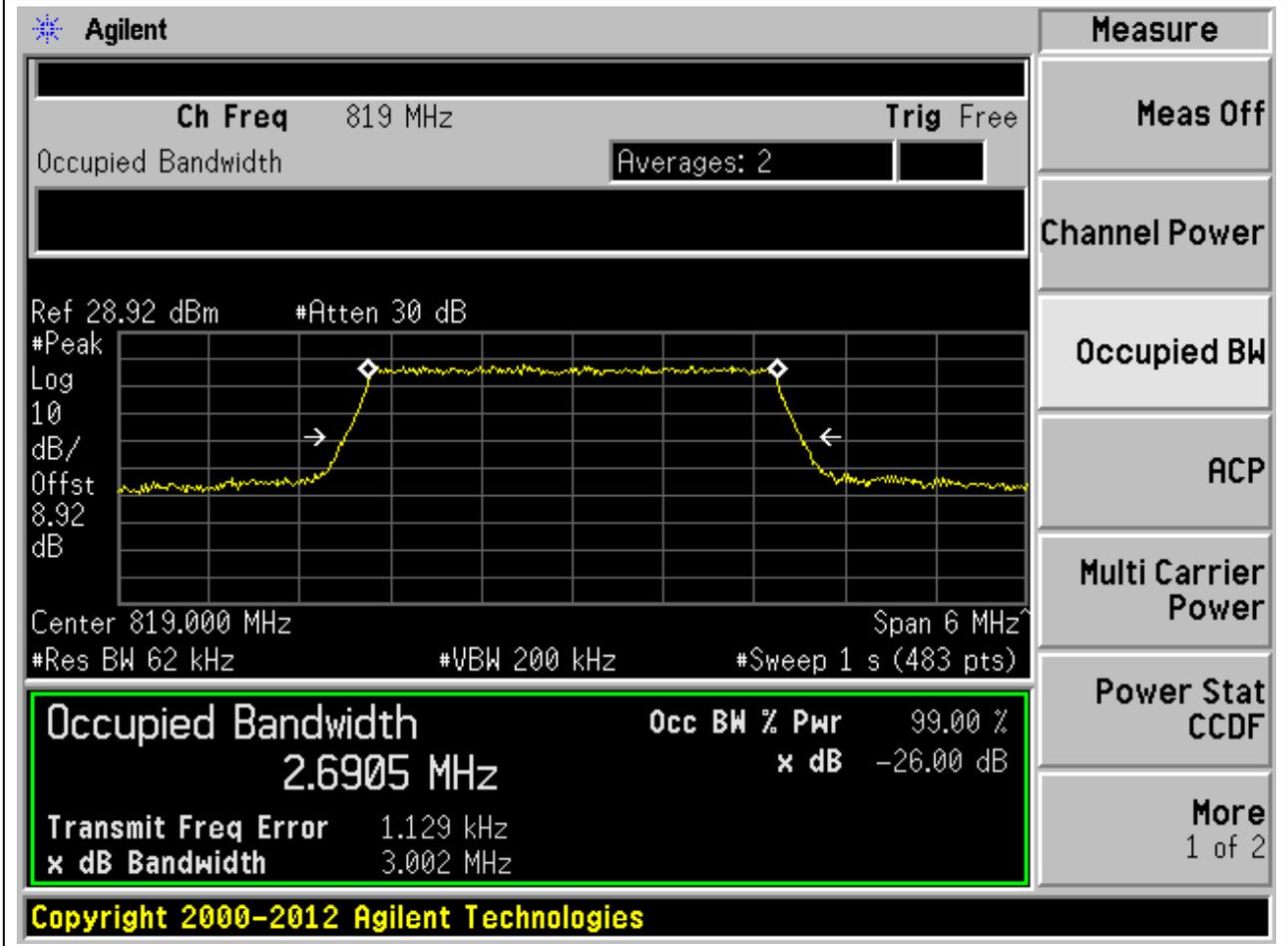
2.17. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:26740, Bandwidth:3, Modulation:QPSK, RB Number:15, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
819	99	26	0.062	Peak	2.69	2.98	3	Pass



2.18. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:26740, Bandwidth:3, Modulation:16QAM, RB Number:15, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
819	99	26	0.062	Peak	2.69	3	3	Pass



2.19. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:26740, Bandwidth:3, Modulation:64QAM, RB Number:15, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
819	99	26	0.062	Peak	2.69	2.99	3	Pass

Agilent

Ch Freq 819 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.92 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.92 dB

Center 819.000 MHz Span 6 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
2.6901 MHz	x dB	-26.00 dB
Transmit Freq Error	2.544 kHz	
x dB Bandwidth	2.986 MHz	

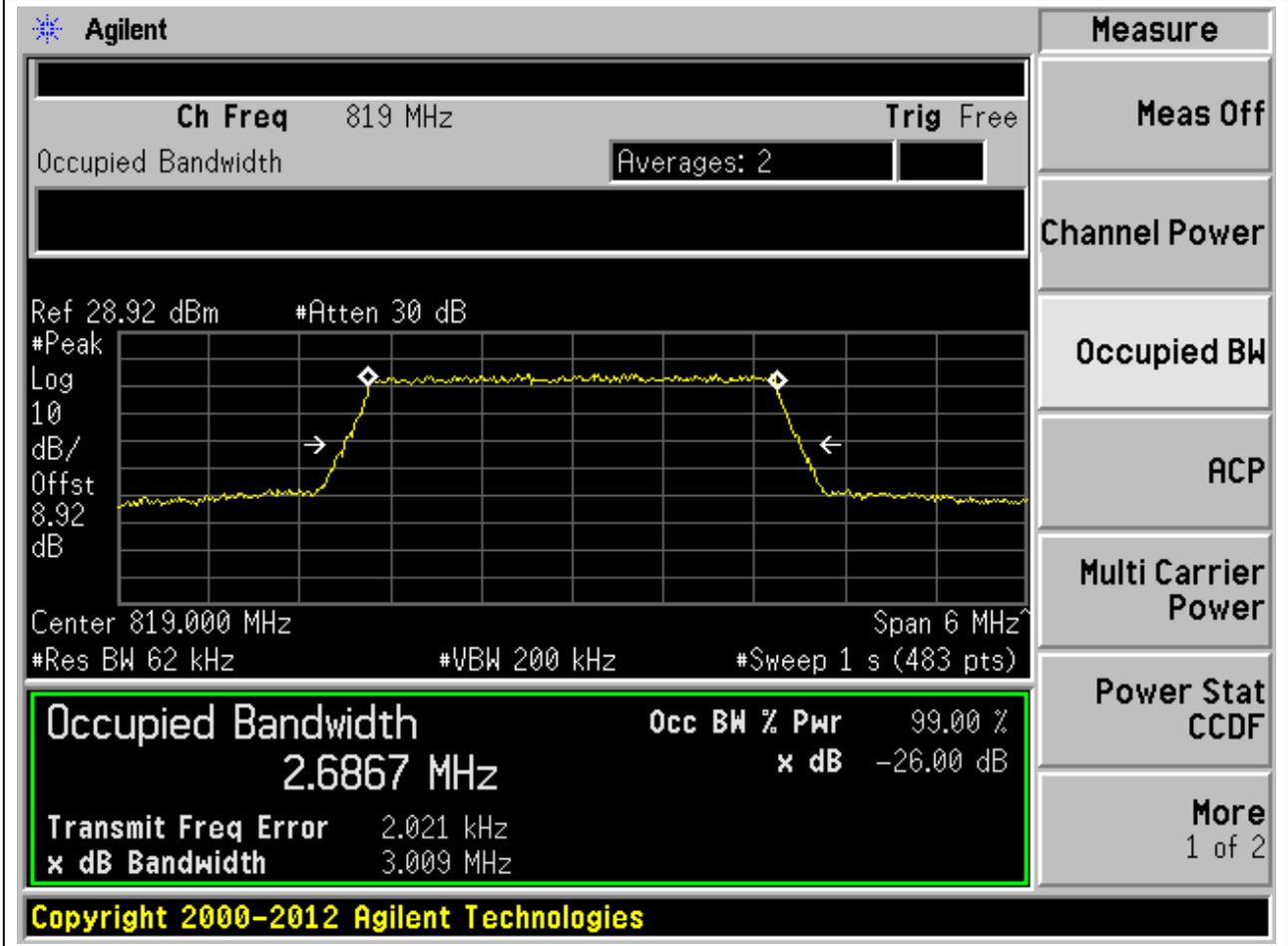
Measure

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

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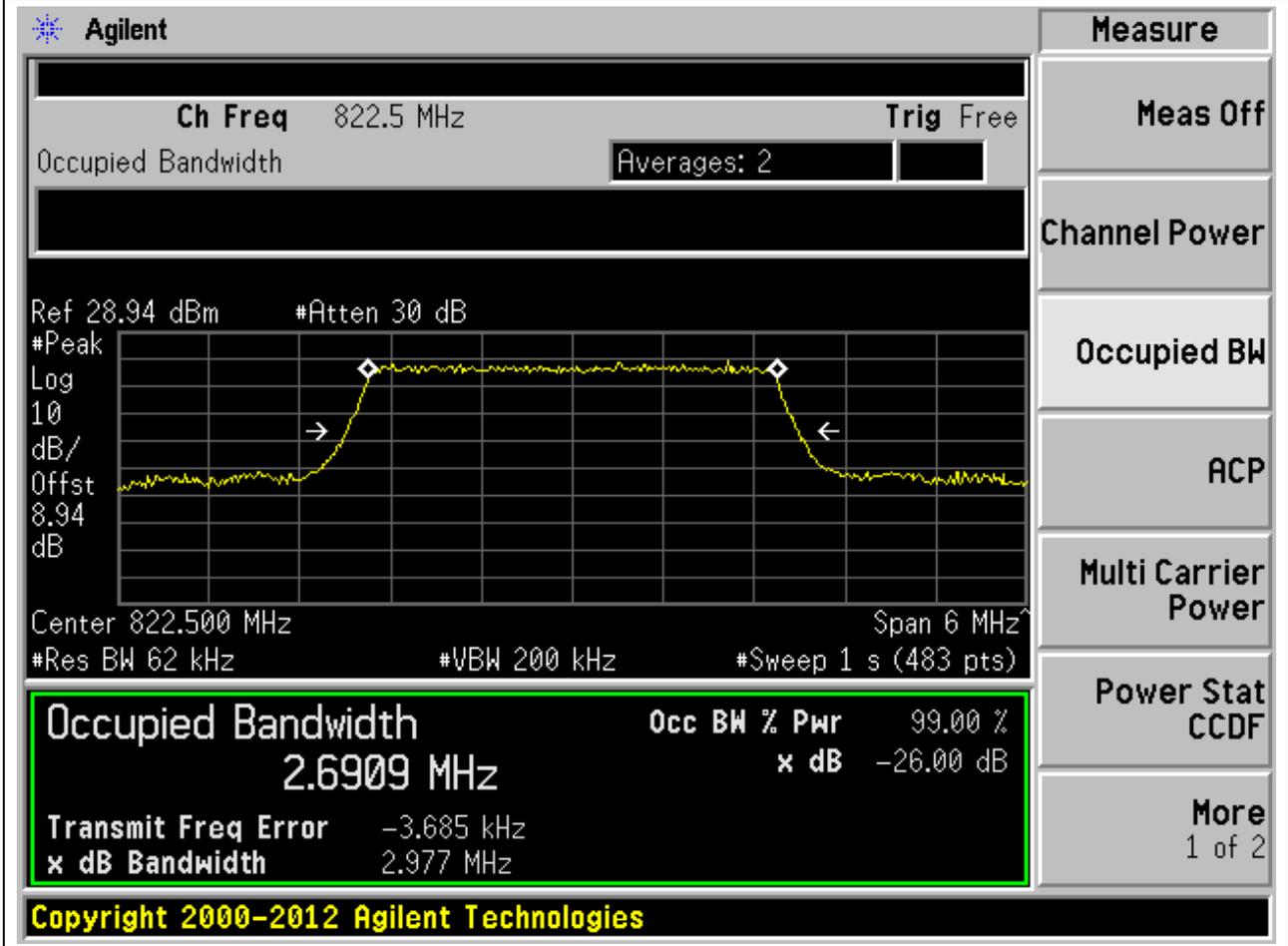
2.20. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:26740, Bandwidth:3, Modulation:256QAM, RB Number:15, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
819	99	26	0.062	Peak	2.69	3.01	3	Pass



2.21. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:26775, Bandwidth:3, Modulation:QPSK, RB Number:15, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
822.5	99	26	0.062	Peak	2.69	2.98	3	Pass



2.22. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:26775, Bandwidth:3, Modulation:16QAM, RB Number:15, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
822.5	99	26	0.062	Peak	2.69	3.01	3	Pass

Agilent

Ch Freq 822.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.94 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.94 dB

Center 822.500 MHz Span 6 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
2.6888 MHz	x dB	-26.00 dB
Transmit Freq Error	386.521 Hz	
x dB Bandwidth	3.007 MHz	

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Measure

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

2.23. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:26775, Bandwidth:3, Modulation:64QAM, RB Number:15, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
822.5	99	26	0.062	Peak	2.69	2.98	3	Pass

Agilent

Ch Freq 822.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.94 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.94 dB

Center 822.500 MHz Span 6 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
2.6860 MHz	x dB	-26.00 dB
Transmit Freq Error	3.347 kHz	
x dB Bandwidth	2.980 MHz	

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Measure

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

2.24. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:26775, Bandwidth:3, Modulation:256QAM, RB Number:15, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
822.5	99	26	0.062	Peak	2.69	3.01	3	Pass

Agilent

Ch Freq 822.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.94 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.94 dB

Center 822.500 MHz Span 6 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
2.6915 MHz	x dB	-26.00 dB
Transmit Freq Error	28.532 Hz	
x dB Bandwidth	3.007 MHz	

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2.25. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:26715, Bandwidth:5, Modulation:QPSK, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
816.5	99	26	0.1	Peak	4.49	4.98	5	Pass

Agilent

Ch Freq 816.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.91 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.91 dB

Center 816.500 MHz Span 10 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.4878 MHz	x dB	-26.00 dB
Transmit Freq Error	1.109 kHz	
x dB Bandwidth	4.980 MHz	

Measure

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

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2.26. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:26715, Bandwidth:5, Modulation:16QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
816.5	99	26	0.1	Peak	4.48	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 816.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.91 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.91 dB

Center 816.500 MHz Span 10 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

4.4810 MHz x dB -26.00 dB

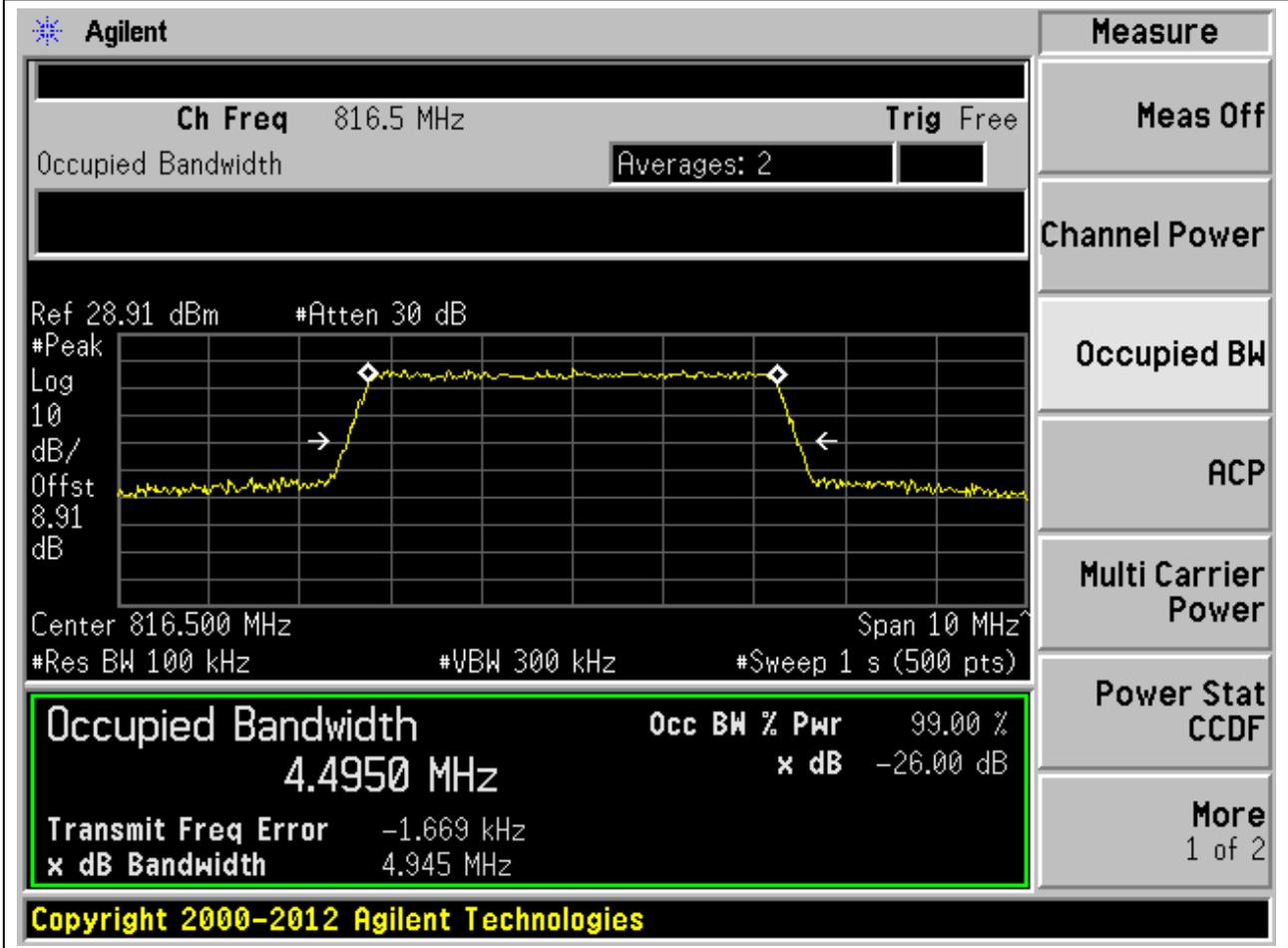
Transmit Freq Error 3.791 kHz

x dB Bandwidth 4.979 MHz

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2.27. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:26715, Bandwidth:5, Modulation:64QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
816.5	99	26	0.1	Peak	4.5	4.94	5	Pass



2.28. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:26715, Bandwidth:5, Modulation:256QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
816.5	99	26	0.1	Peak	4.48	4.91	5	Pass

Agilent

Measure

Ch Freq 816.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.91 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.91 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

4.4795 MHz

Transmit Freq Error -1.325 kHz

x dB Bandwidth 4.907 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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2.29. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:26740, Bandwidth:5, Modulation:QPSK, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
819	99	26	0.1	Peak	4.49	4.98	5	Pass

Agilent

Ch Freq 819 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.92 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.92 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 %
4.4860 MHz	x dB	-26.00 dB
Transmit Freq Error	2.189 kHz	
x dB Bandwidth	4.979 MHz	

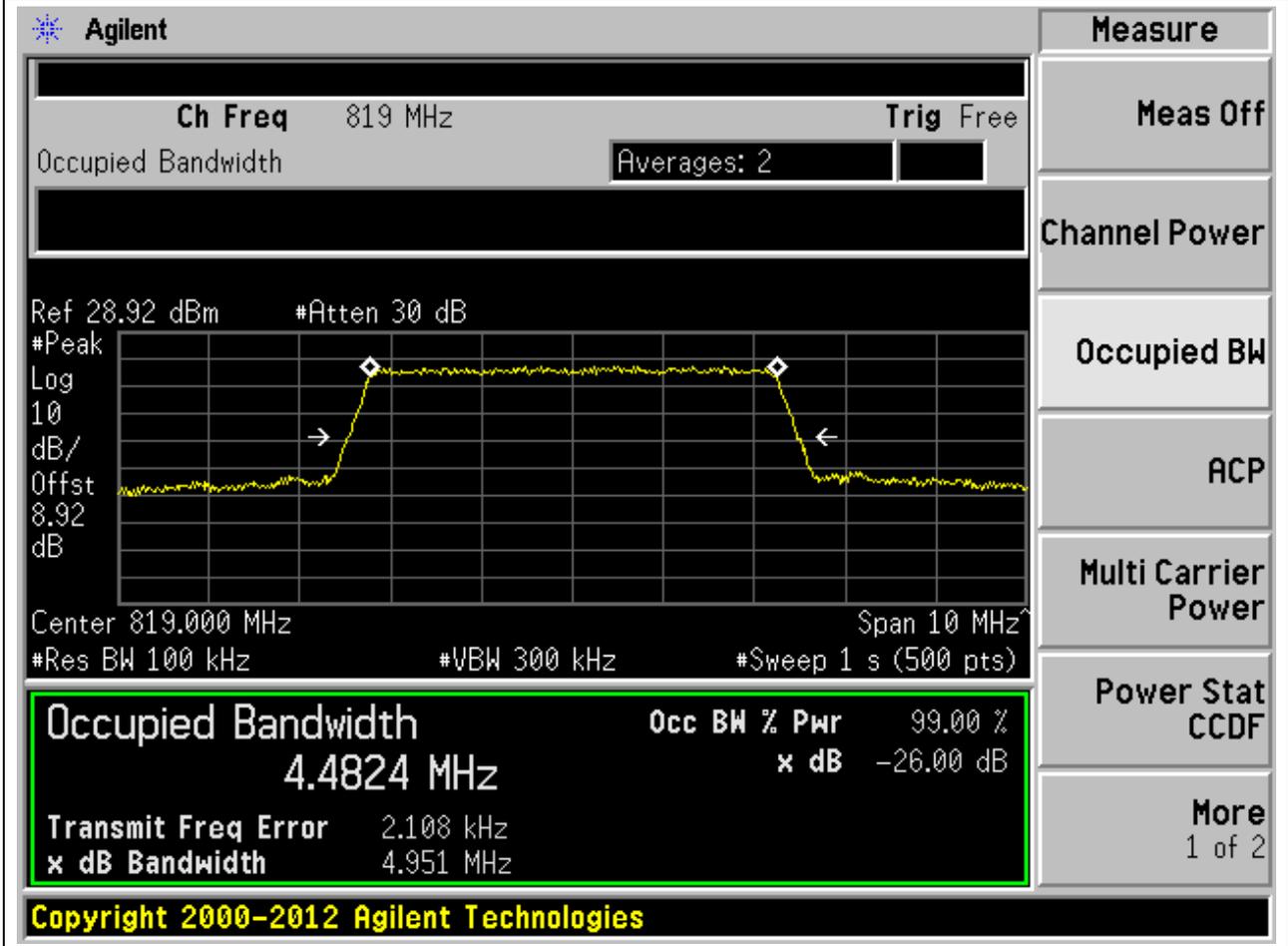
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Measure

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

2.30. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:26740, Bandwidth:5, Modulation:16QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
819	99	26	0.1	Peak	4.48	4.95	5	Pass



2.31. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:26740, Bandwidth:5, Modulation:64QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
819	99	26	0.1	Peak	4.48	4.95	5	Pass

Agilent

Ch Freq 819 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.92 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.92 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 %
4.4850 MHz	x dB	-26.00 dB
Transmit Freq Error	-465.247 Hz	
x dB Bandwidth	4.951 MHz	

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2.32. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:26740, Bandwidth:5, Modulation:256QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
819	99	26	0.1	Peak	4.48	4.9	5	Pass

Agilent

Ch Freq 819 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.92 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.92 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 %
4.4751 MHz	x dB	-26.00 dB
Transmit Freq Error	126.974 Hz	
x dB Bandwidth	4.903 MHz	

Measure

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

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2.33. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:26765, Bandwidth:5, Modulation:QPSK, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
821.5	99	26	0.1	Peak	4.48	4.99	5	Pass

Agilent

Ch Freq 821.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.93 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.94 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 %
4.4822 MHz	x dB	-26.00 dB
Transmit Freq Error		-3.271 kHz
x dB Bandwidth		4.990 MHz

Measure

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

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2.34. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:26765, Bandwidth:5, Modulation:16QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
821.5	99	26	0.1	Peak	4.48	4.95	5	Pass

Agilent

Ch Freq 821.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.93 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.94 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 %
4.4793 MHz	x dB	-26.00 dB
Transmit Freq Error		-2.051 kHz
x dB Bandwidth		4.951 MHz

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2.35. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:26765, Bandwidth:5, Modulation:64QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
821.5	99	26	0.1	Peak	4.49	4.93	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is 821.5 MHz. The main display shows a spectrum plot with a yellow trace. The plot is set to a center frequency of 821.500 MHz and a span of 10 MHz. The resolution bandwidth (RBW) is 100 kHz, and the video bandwidth (VBW) is 300 kHz. The sweep time is 1 second with 500 points. The plot shows a signal with a peak level of 28.93 dBm and an attenuation of 30 dB. The occupied bandwidth is measured as 4.4900 MHz, which is 99.00% of the power. The XdB bandwidth is 4.934 MHz, and the XdB down is -26.00 dB. The transmit frequency error is -4.455 kHz. The interface includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.4900 MHz	x dB	-26.00 dB
Transmit Freq Error		-4.455 kHz
x dB Bandwidth		4.934 MHz

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2.36. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:26765, Bandwidth:5, Modulation:256QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
821.5	99	26	0.1	Peak	4.48	4.9	5	Pass

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

Measurement	Value
Occupied Bandwidth	4.4755 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-5.687 kHz
x dB Bandwidth	4.902 MHz

Additional parameters shown in the interface include: Ch Freq 821.5 MHz, Trig Free, Averages: 2, Ref 28.93 dBm, #Atten 30 dB, #Peak Log 10 dB/Offst 8.94 dB, Center 821.500 MHz, Span 10 MHz, #Res BW 100 kHz, #VBW 300 kHz, #Sweep 1 s (500 pts).

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2.37. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:26740, Bandwidth:10, Modulation:QPSK, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
819	99	26	0.2	Peak	8.95	9.81	10	Pass

Agilent

Ch Freq 819 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.92 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.92 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 %
8.9506 MHz	x dB	-26.00 dB
Transmit Freq Error	865.333 Hz	
x dB Bandwidth	9.808 MHz	

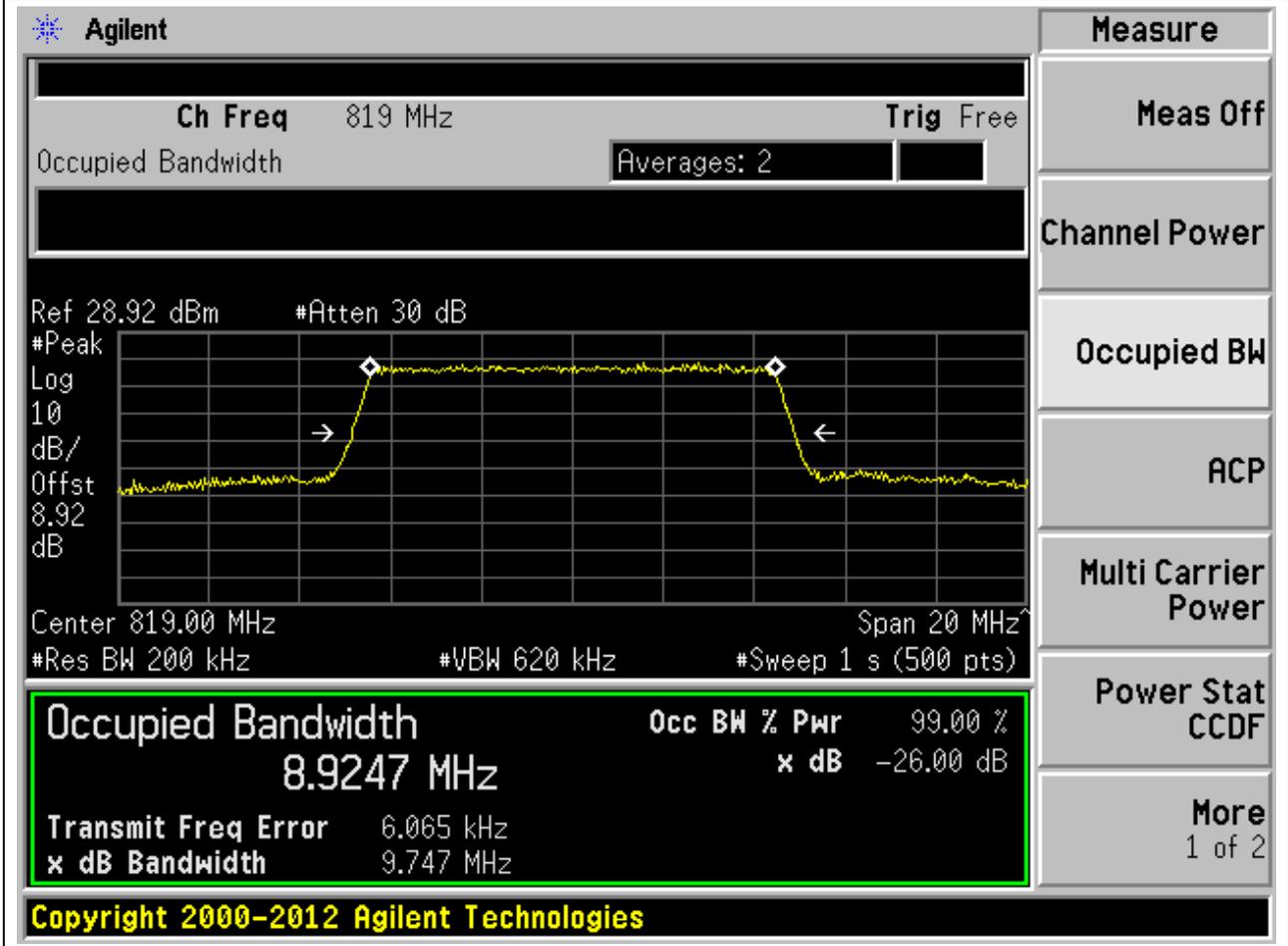
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Measure

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

2.38. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:26740, Bandwidth:10, Modulation:16QAM, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
819	99	26	0.2	Peak	8.92	9.75	10	Pass



2.39. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:26740, Bandwidth:10, Modulation:64QAM, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
819	99	26	0.2	Peak	8.95	9.8	10	Pass

Agilent

Ch Freq 819 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.92 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.92 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 %
8.9457 MHz	x dB	-26.00 dB
Transmit Freq Error		-2.691 kHz
x dB Bandwidth		9.804 MHz

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Measure

Meas Off

Channel Power

Occupied BW

ACP

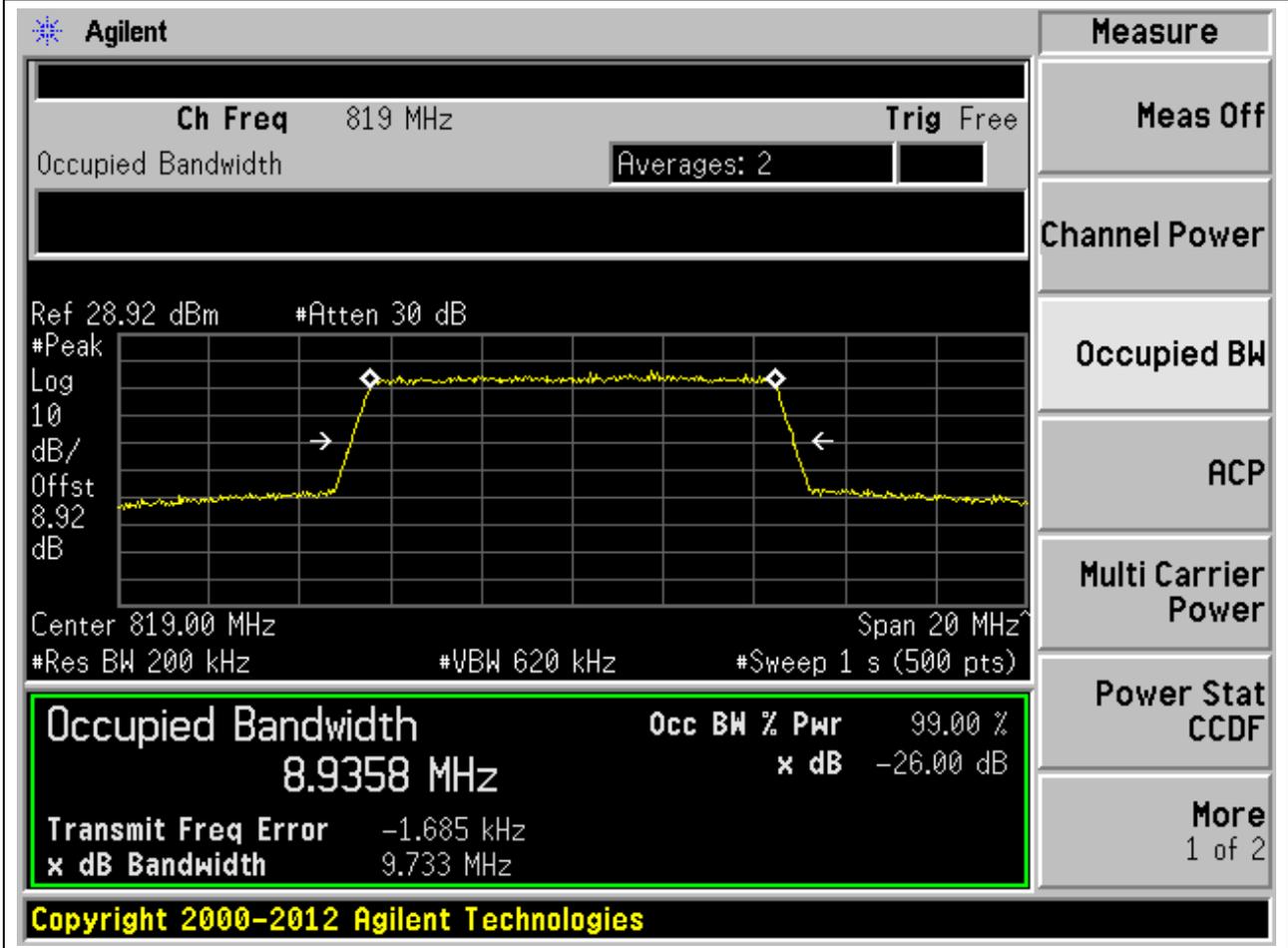
Multi Carrier Power

Power Stat CCDF

More 1 of 2

2.40. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:26740, Bandwidth:10, Modulation:256QAM, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
819	99	26	0.2	Peak	8.94	9.73	10	Pass



3. n26 15kHz(824-849)

3.1. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:165300, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
826.5	99	26	0.1	Peak	4.51	5.07	5	Pass

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

Measurement	Value
Occupied Bandwidth	4.5084 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-12.404 kHz
x dB Bandwidth	5.073 MHz

Additional parameters shown in the interface include: Center 826.500 MHz, Span 10 MHz, #Res BW 100 kHz, #VBW 300 kHz, #Sweep 5 s (500 pts), Ref 29 dBm, #Atten 30 dB, and Trig Free. 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).

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3.2. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:167300, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.1	Peak	4.49	5.01	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 836.500 MHz, and the span is 10 MHz. The resolution bandwidth (RBW) is 100 kHz, and the video bandwidth (VBW) is 300 kHz. The sweep time is 5 seconds. The occupied bandwidth is measured as 4.4923 MHz, which is 99.00% of the 5 MHz channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -5.855 kHz. The XdB bandwidth is 5.014 MHz. The interface also shows a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The bottom of the screen displays the copyright information: 'Copyright 2000-2012 Agilent Technologies'.

3.3. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:169300, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
846.5	99	26	0.1	Peak	4.5	5.04	5	Pass

Agilent

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

Ch Freq 846.5 MHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 28.99 dBm #Atten 30 dB
 #Peak
 Log
 10
 dB/
 Offst
 8.99
 dB

Center 846.500 MHz
Span 10 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
4.5003 MHz	x dB -26.00 dB
Transmit Freq Error	-24.290 kHz
x dB Bandwidth	5.038 MHz

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3.5. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:167300, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.1	Peak	4.5	5.05	5	Pass

Agilent

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

Ch Freq 836.5 MHz Trig Free

Occupied Bandwidth Averages: 1

Ref 29 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 9 dB

Center 836.500 MHz Span 10 MHz

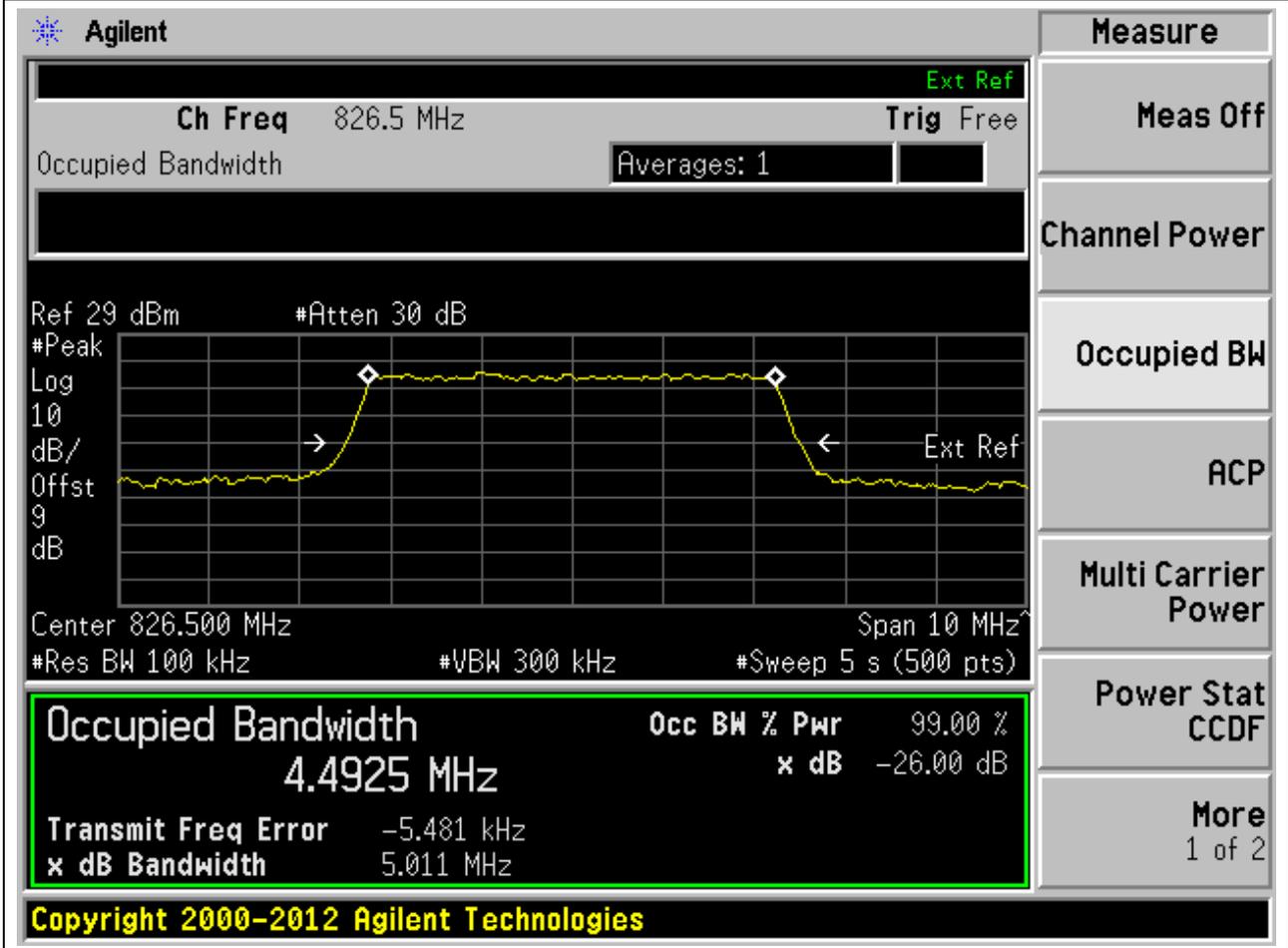
#Res BW 100 kHz #VBW 300 kHz #Sweep 5 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.4985 MHz	x dB	-26.00 dB
Transmit Freq Error	4.162 kHz	
x dB Bandwidth	5.049 MHz	

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3.4. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:165300, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
826.5	99	26	0.1	Peak	4.49	5.01	5	Pass



3.6. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:169300, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
846.5	99	26	0.1	Peak	4.49	4.99	5	Pass

Agilent

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

Ch Freq 846.5 MHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 28.99 dBm #Atten 30 dB
 #Peak
 Log
 10
 dB/
 Offst
 8.99
 dB

Center 846.500 MHz
Span 10 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
4.4857 MHz	x dB -26.00 dB
Transmit Freq Error	-17.706 kHz
x dB Bandwidth	4.988 MHz

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3.7. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:165300, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
826.5	99	26	0.1	Peak	4.48	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 826.5 MHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 29 dBm #Atten 30 dB

Center 826.500 MHz Span 10 MHz
#Res BW 100 kHz #VBW 300 kHz #Sweep 5 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
4.4849 MHz	x dB -26.00 dB
Transmit Freq Error -15.538 kHz	
x dB Bandwidth 5.023 MHz	

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3.8. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:167300, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.1	Peak	4.5	5.07	5	Pass

Agilent
Measure

Ch Freq 836.5 MHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 29 dBm #Atten 30 dB

Center 836.500 MHz Span 10 MHz
 #Res BW 100 kHz #VBW 300 kHz #Sweep 5 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
4.4995 MHz	x dB -26.00 dB
Transmit Freq Error -13.963 kHz	
x dB Bandwidth 5.072 MHz	

More
1 of 2

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3.9. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:169300, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
846.5	99	26	0.1	Peak	4.48	4.96	5	Pass

Agilent

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

Ch Freq 846.5 MHz Trig Free

Occupied Bandwidth Averages: 1

Ref 28.99 dBm #Atten 30 dB

#Peak

Center 846.500 MHz Span 10 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
4.4765 MHz	x dB -26.00 dB
Transmit Freq Error	-26.517 kHz
x dB Bandwidth	4.964 MHz

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3.10. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:165300, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
826.5	99	26	0.1	Peak	4.5	5.11	5	Pass

Agilent

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

Ch Freq 826.5 MHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 29 dBm
#Atten 30 dB

#Peak

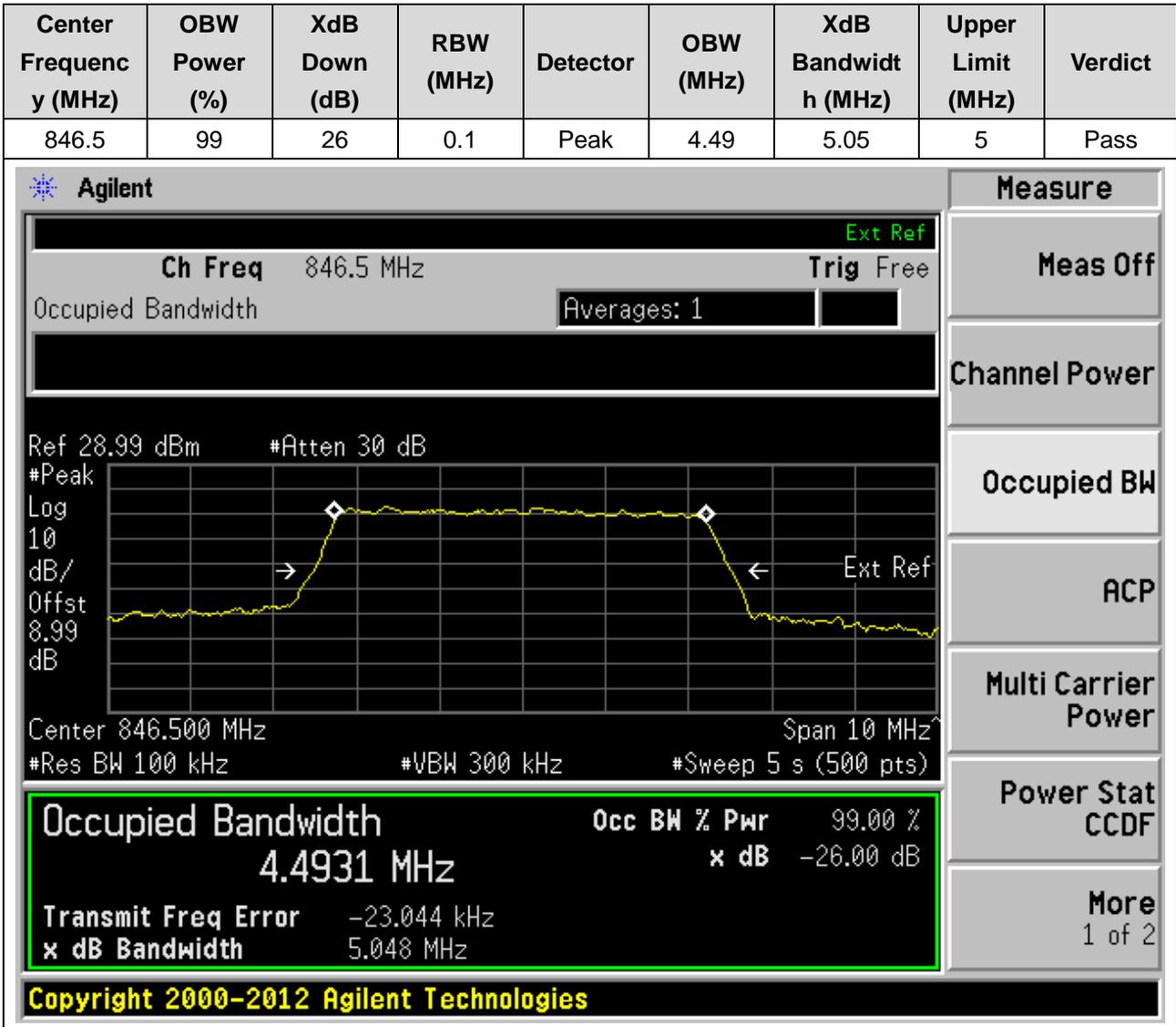
Center 826.500 MHz
Span 10 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
4.5028 MHz	x dB -26.00 dB
Transmit Freq Error -11.848 kHz	
x dB Bandwidth 5.111 MHz	

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3.12. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:169300, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:25, RB Position:0)



3.11. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:167300, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.1	Peak	4.51	5.06	5	Pass

Agilent

Measure

Ch Freq 836.5 MHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 29 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
→
←

10

dB/

Offst

9

dB

Center 836.500 MHz
Span 10 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
4.5075 MHz	x dB -26.00 dB
Transmit Freq Error -12.367 kHz	
x dB Bandwidth 5.057 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

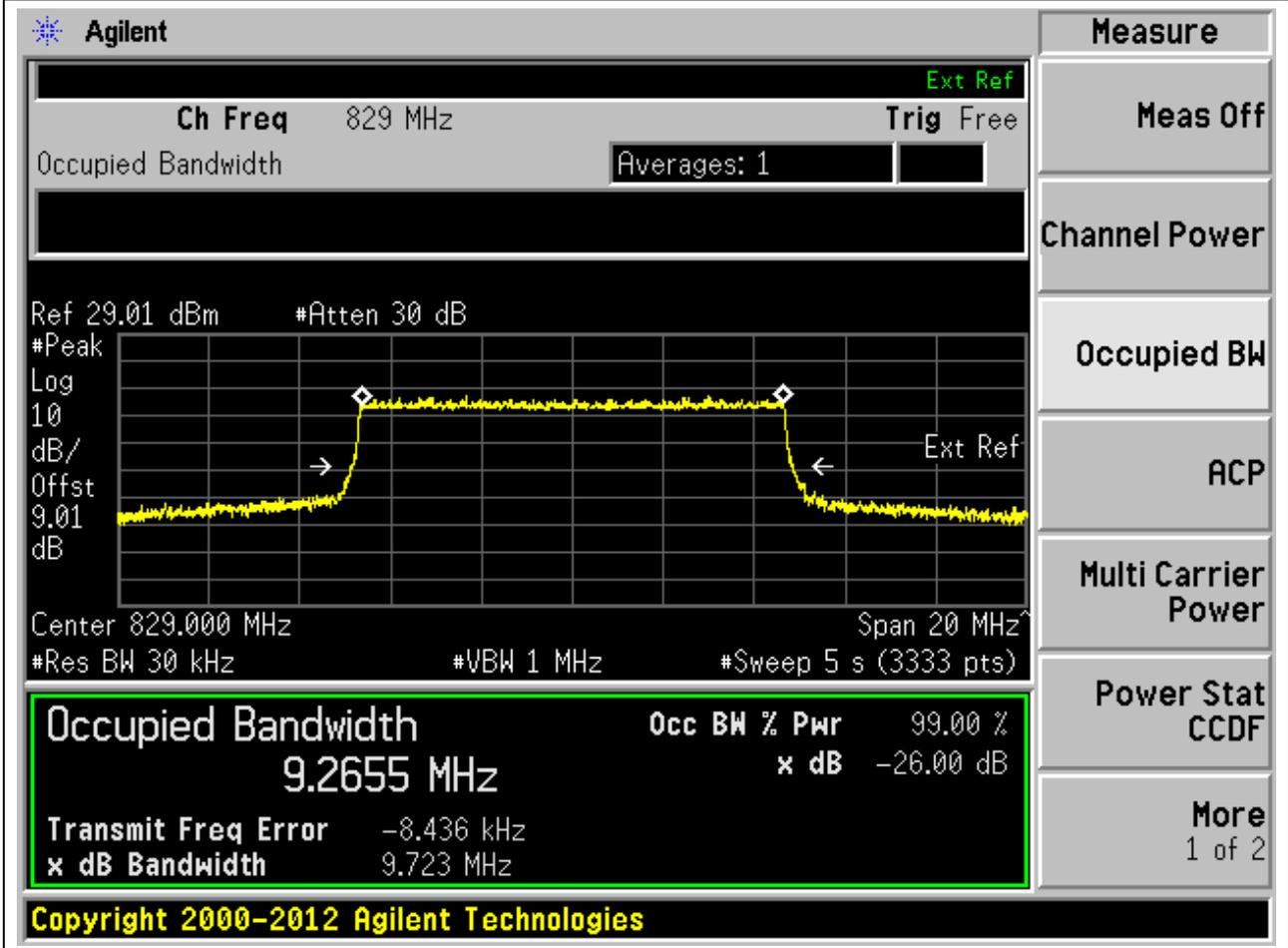
Power Stat CCDF

More
1 of 2

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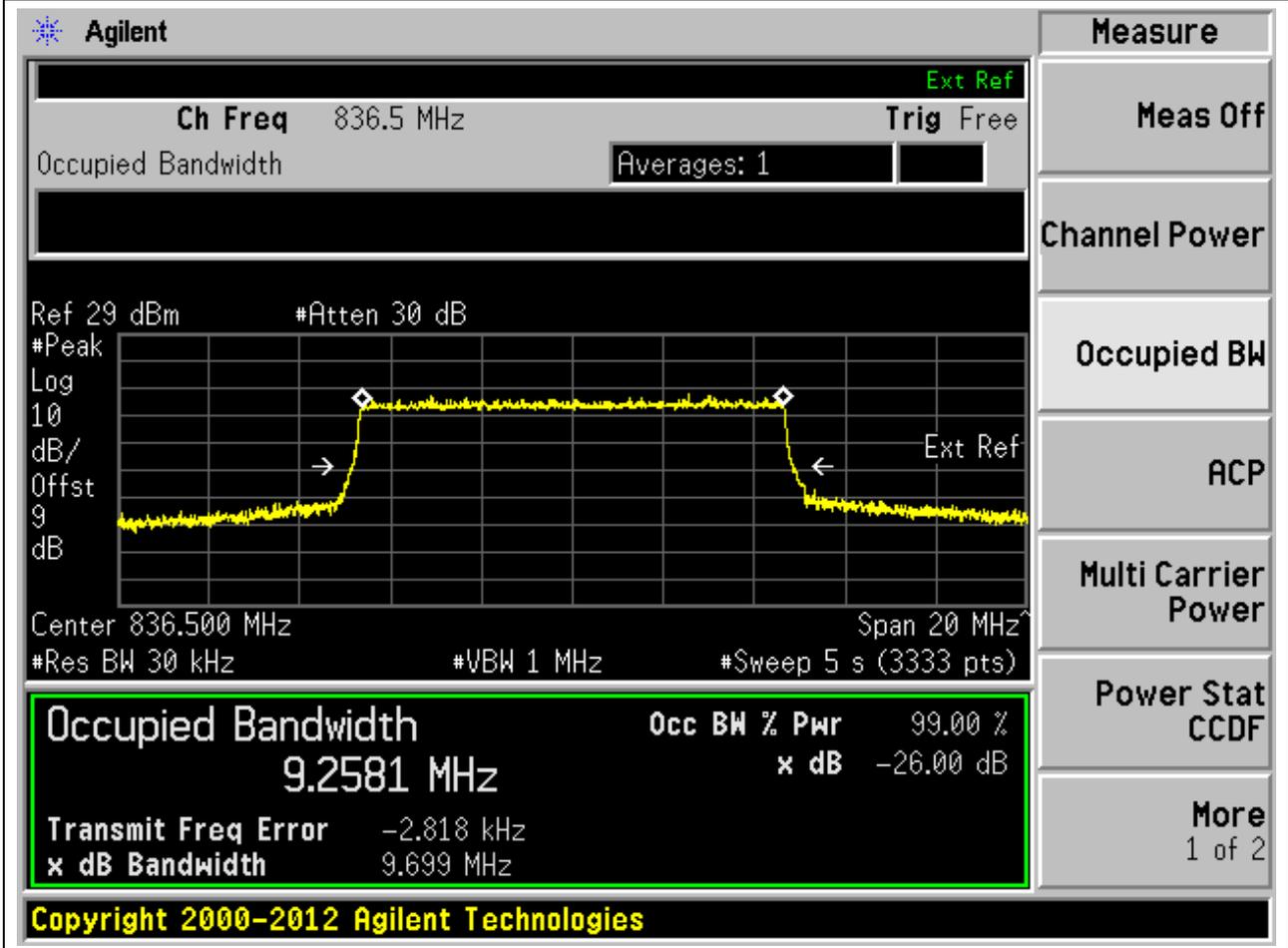
3.13. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:165800, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:52, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
829	99	26	0.03	Peak	9.27	9.72	10	Pass



3.14. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:167300, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:52, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.03	Peak	9.26	9.7	10	Pass



3.15. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:168800, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:52, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
844	99	26	0.03	Peak	9.24	9.69	10	Pass

Agilent

Ext Ref

Ch Freq 844 MHz Trig Free

Occupied Bandwidth Averages: 1

Measure

Ref 28.99 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.99 dB

Center 844.000 MHz Span 20 MHz

#Res BW 30 kHz #VBW 1 MHz #Sweep 5 s (3333 pts)

Occupied Bandwidth Occ BW % Pwr 99.00 %

9.2351 MHz x dB -26.00 dB

Transmit Freq Error -24.923 kHz

x dB Bandwidth 9.686 MHz

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Meas Off

Channel Power

Occupied BW

ACP

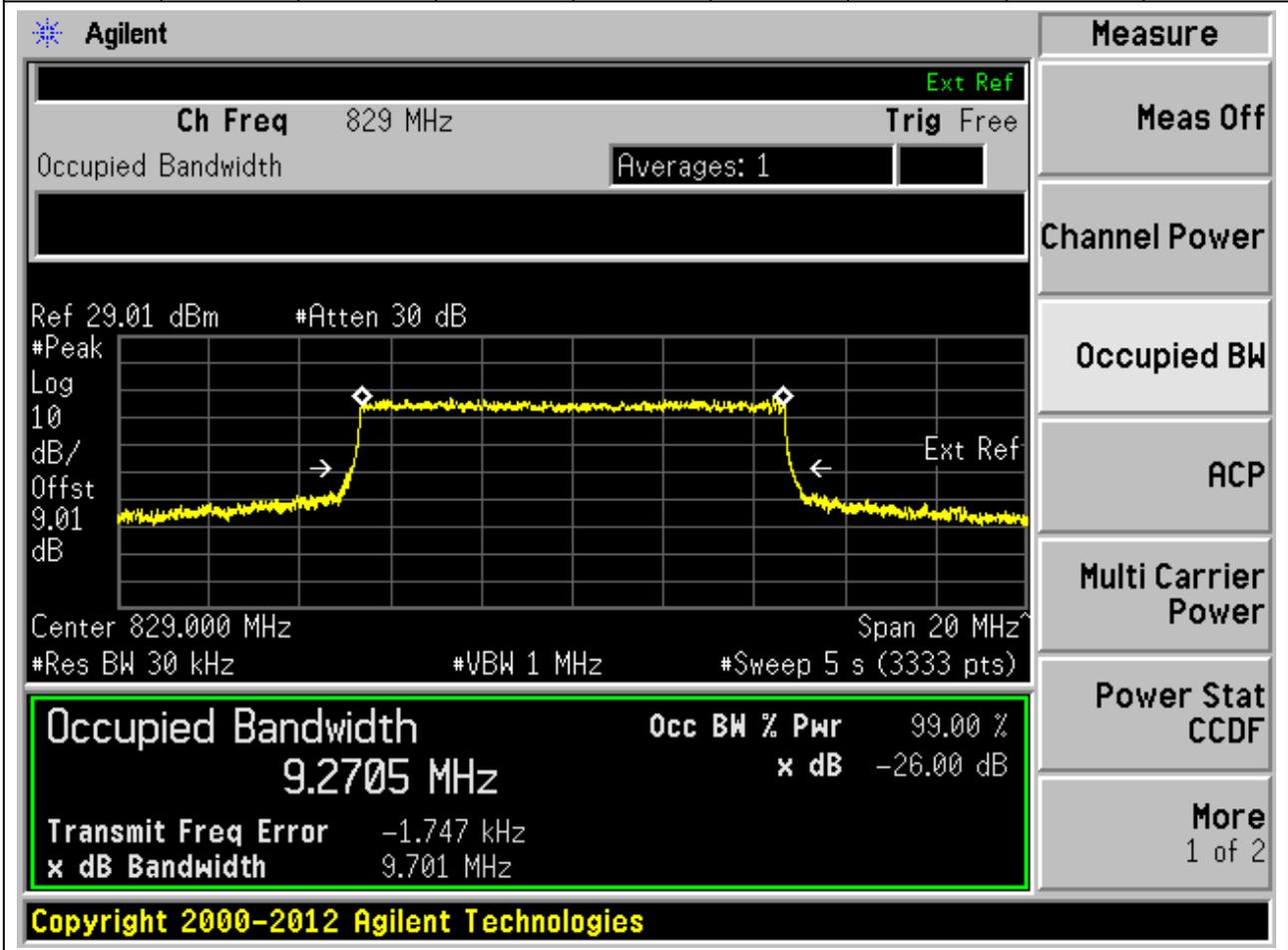
Multi Carrier Power

Power Stat CCDF

More 1 of 2

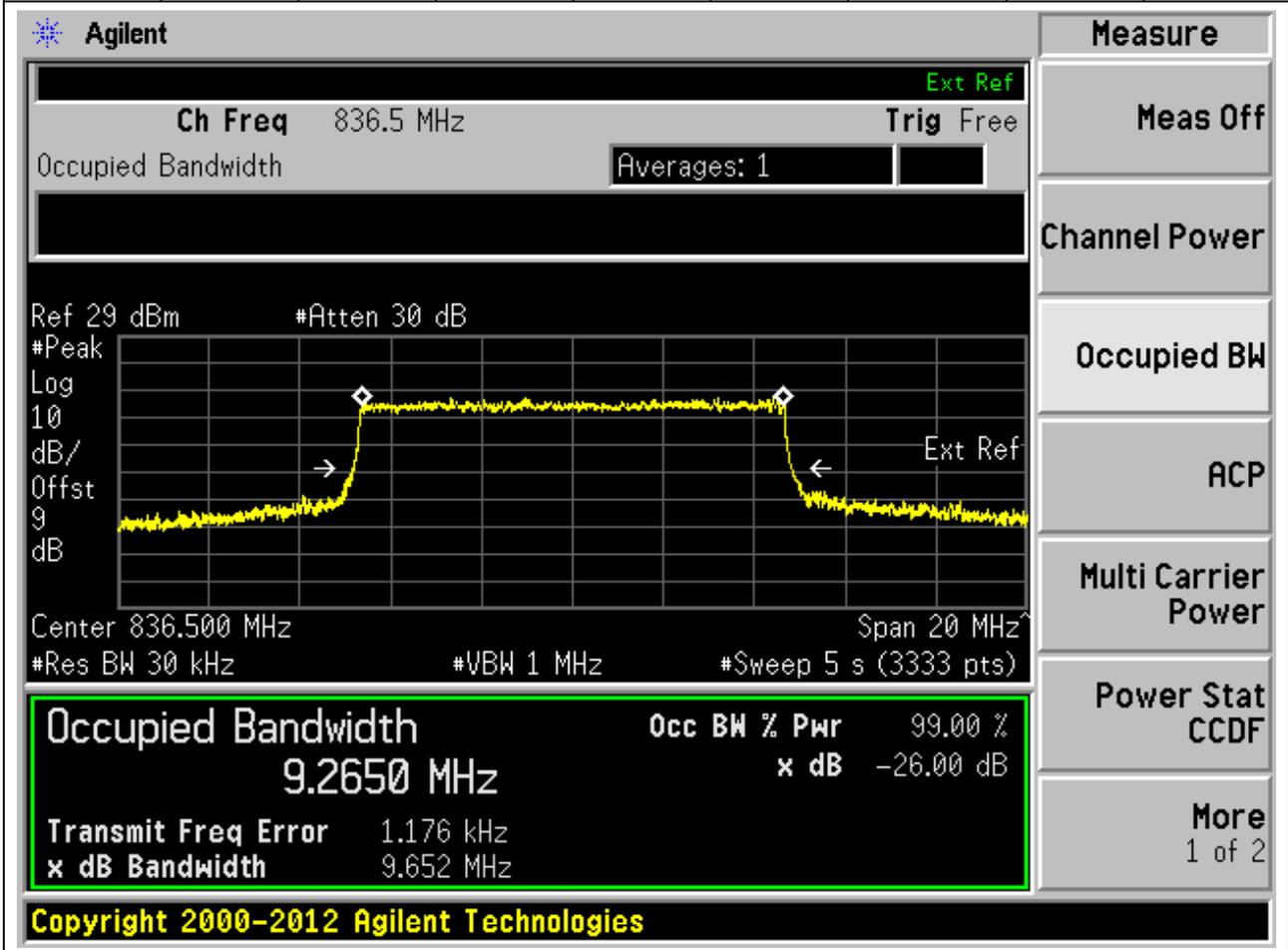
3.16. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:165800, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:52, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
829	99	26	0.03	Peak	9.27	9.7	10	Pass



3.17. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:167300, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:52, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.03	Peak	9.26	9.65	10	Pass



3.18. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:168800, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:52, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
844	99	26	0.03	Peak	9.24	9.63	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: 1

Ref 28.99 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.99 dB

Center 844.000 MHz Span 20 MHz

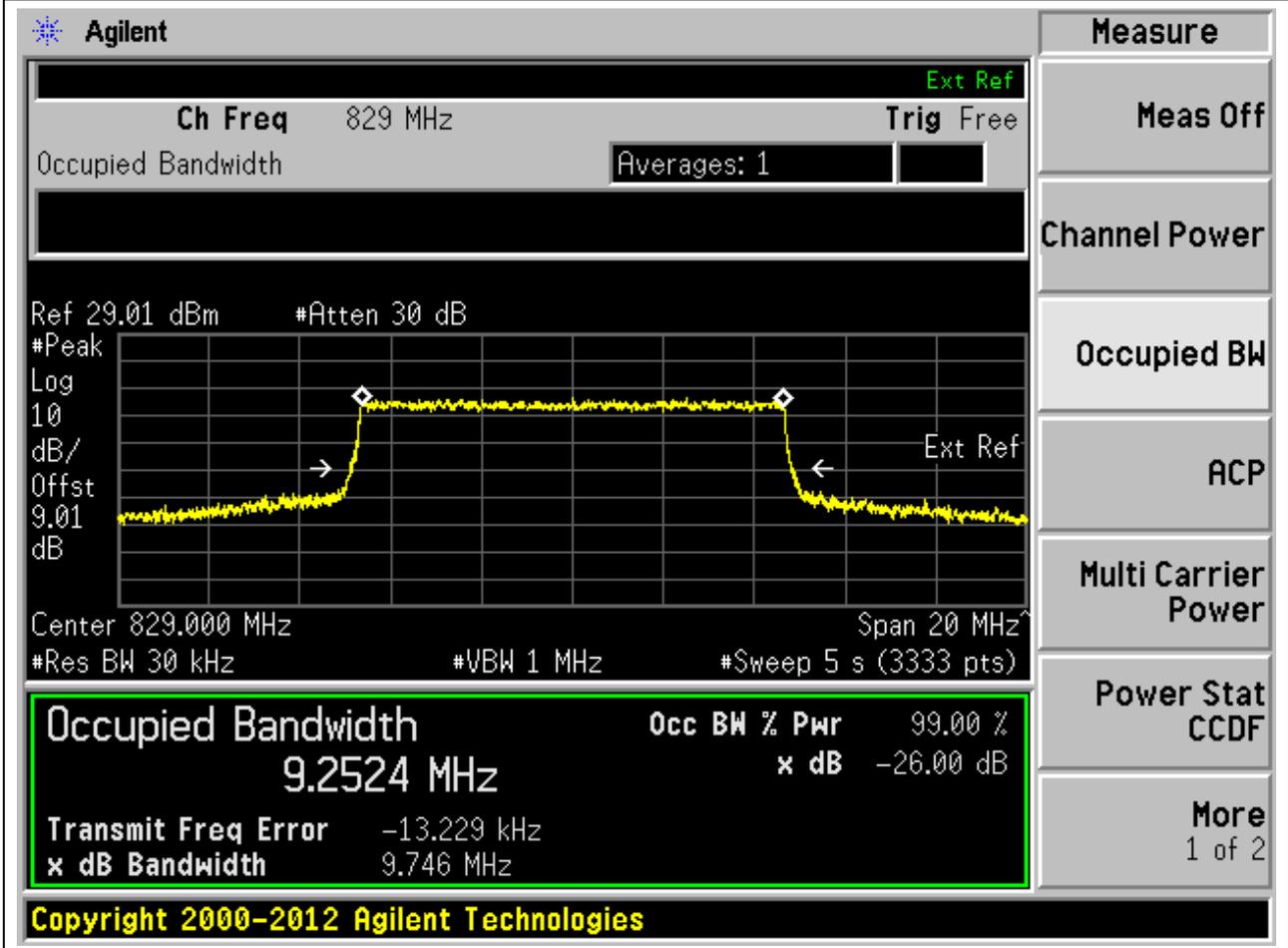
#Res BW 30 kHz #VBW 1 MHz #Sweep 5 s (3333 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
9.2414 MHz	x dB -26.00 dB
Transmit Freq Error	-21.111 kHz
x dB Bandwidth	9.625 MHz

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3.19. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:165800, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:52, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
829	99	26	0.03	Peak	9.25	9.75	10	Pass



3.20. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:167300, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:52, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.03	Peak	9.25	9.69	10	Pass

Agilent

Measure

Ch Freq 836.5 MHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 29 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
dB/

10
Offst

9
dB

Center 836.500 MHz
Span 20 MHz

#Res BW 30 kHz
#VBW 1 MHz
#Sweep 5 s (3333 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
9.2525 MHz	x dB -26.00 dB
Transmit Freq Error	-9.516 kHz
x dB Bandwidth	9.693 MHz

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

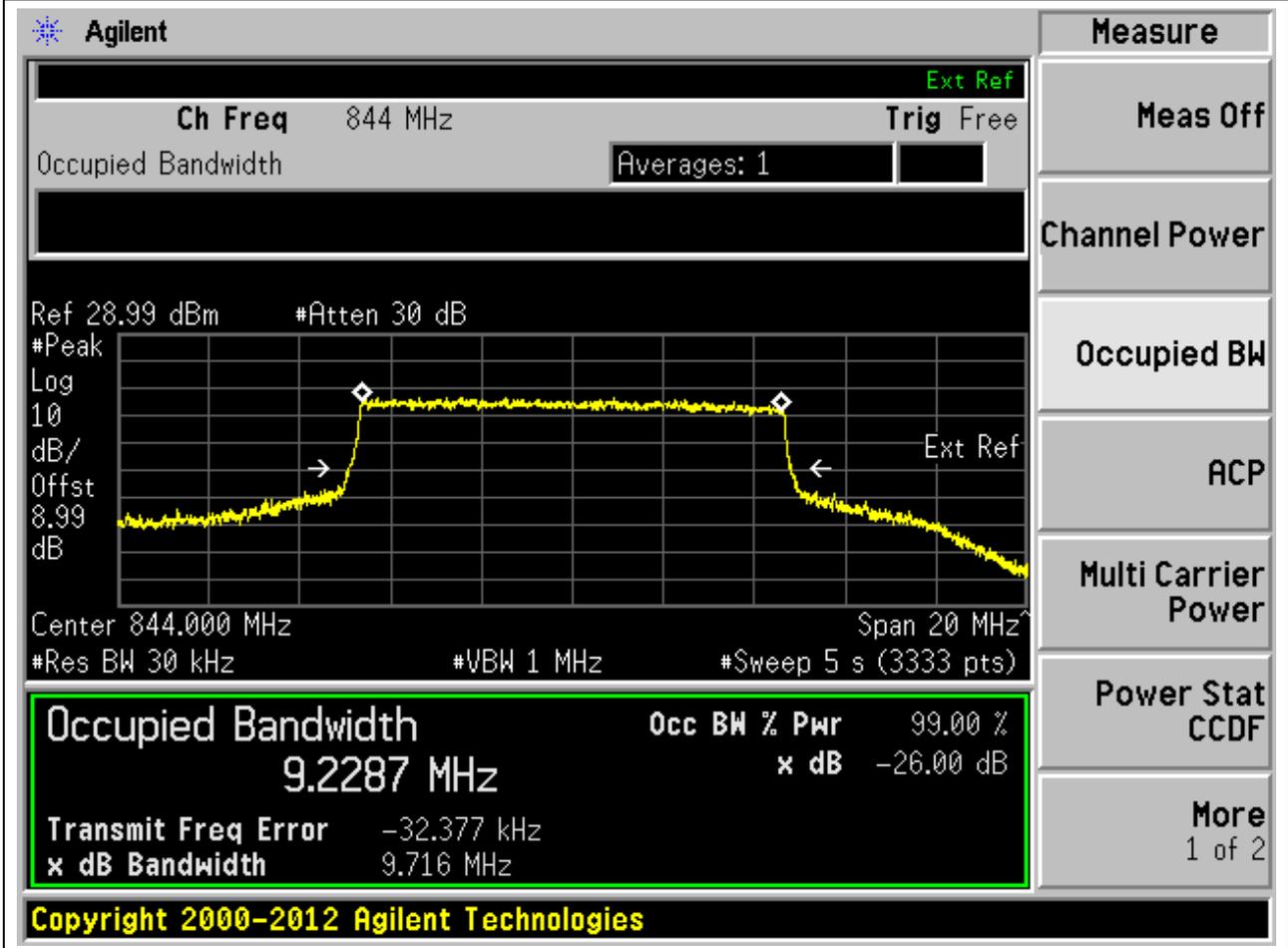
Power Stat CCDF

More
1 of 2

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3.21. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:168800, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:52, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
844	99	26	0.03	Peak	9.23	9.72	10	Pass



3.22. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:165800, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:52, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
829	99	26	0.03	Peak	9.27	9.71	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The center frequency is 829.000 MHz and the span is 20 MHz. The occupied bandwidth is measured as 9.2695 MHz. The power is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -9.320 kHz and the XdB bandwidth is 9.705 MHz. The interface includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
9.2695 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -9.320 kHz
x dB Bandwidth: 9.705 MHz

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3.23. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:167300, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:52, RB Position:0)

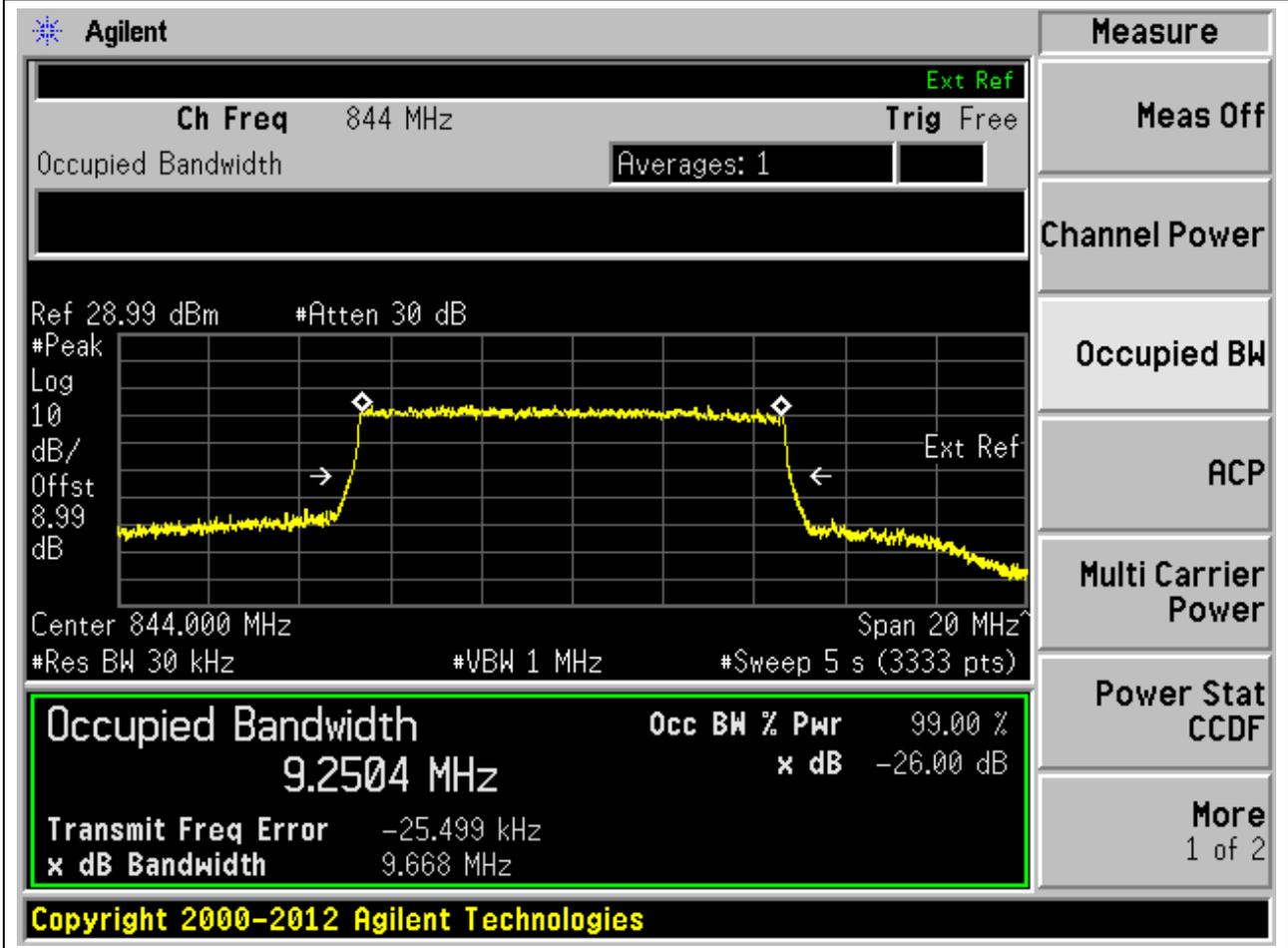
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.03	Peak	9.26	9.69	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is 836.5 MHz. The main display shows a spectrum plot with a yellow trace representing the signal. The plot is set to a center frequency of 836.500 MHz and a span of 20 MHz. The resolution bandwidth (RBW) is 30 kHz, and the video bandwidth (VBW) is 1 MHz. The sweep time is 5 seconds. The plot shows a signal with a peak level of 29 dBm and an attenuation of 30 dB. The occupied bandwidth is measured as 9.2646 MHz, which is 99.00% of the power. The XdB bandwidth is 9.690 MHz, and the XdB down is -26.00 dB. The transmit frequency error is -7.001 kHz. The interface includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
9.2646 MHz	x dB	-26.00 dB
Transmit Freq Error	-7.001 kHz	
x dB Bandwidth	9.690 MHz	

3.24. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:168800, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:52, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
844	99	26	0.03	Peak	9.25	9.67	10	Pass



3.25. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:166300, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:79, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
831.5	99	26	0.03	Peak	14.08	14.57	15	Pass

Agilent

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

Ch Freq 831.5 MHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 29.01 dBm #Atten 30 dB

#Peak

Log

10

dB/

Offst

9.01

dB

Ext Ref

Center 831.500 MHz
Span 30 MHz

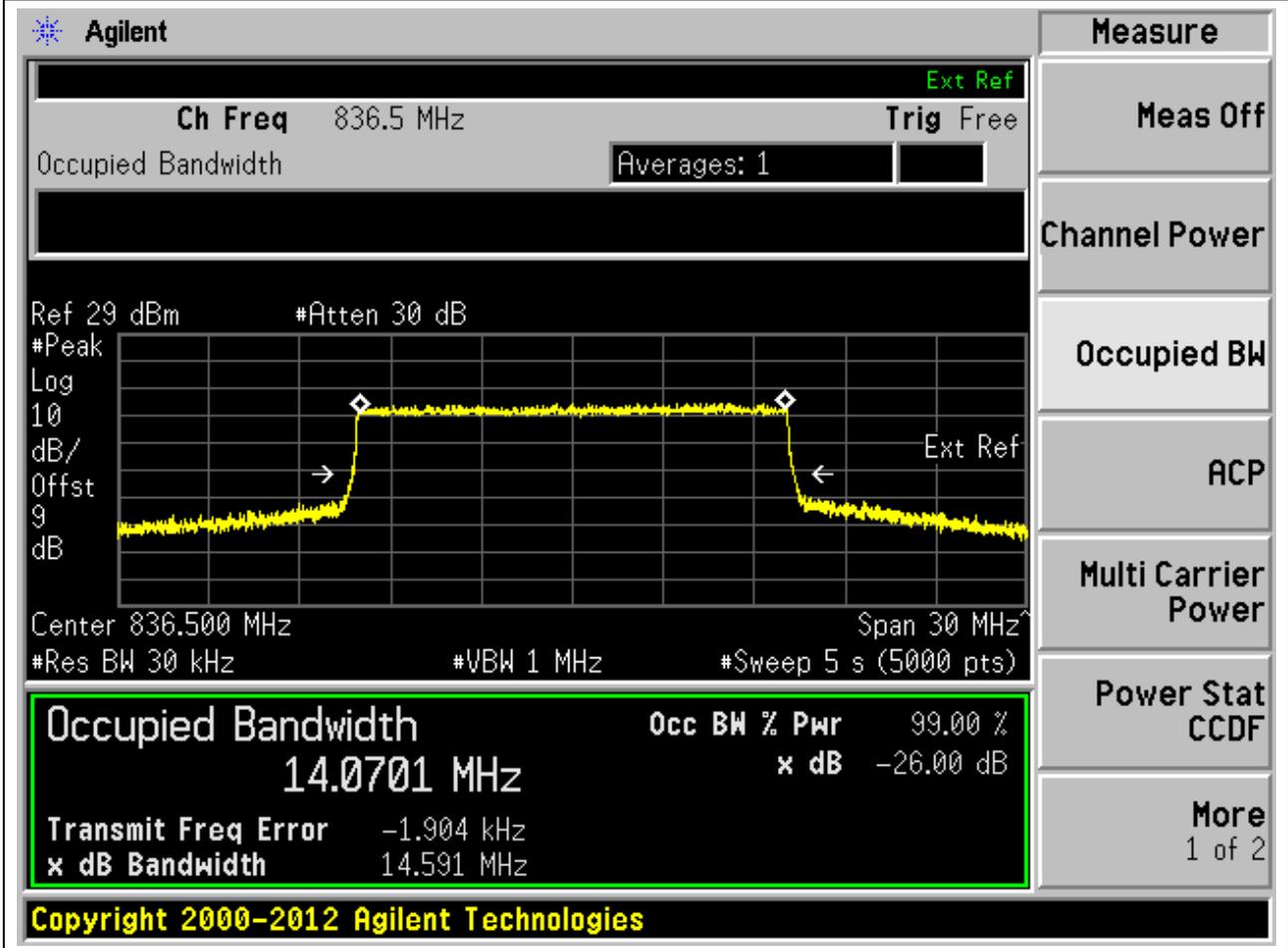
#Res BW 30 kHz
#VBW 1 MHz
#Sweep 5 s (5000 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
14.0814 MHz	x dB -26.00 dB
Transmit Freq Error	-6.535 kHz
x dB Bandwidth	14.571 MHz

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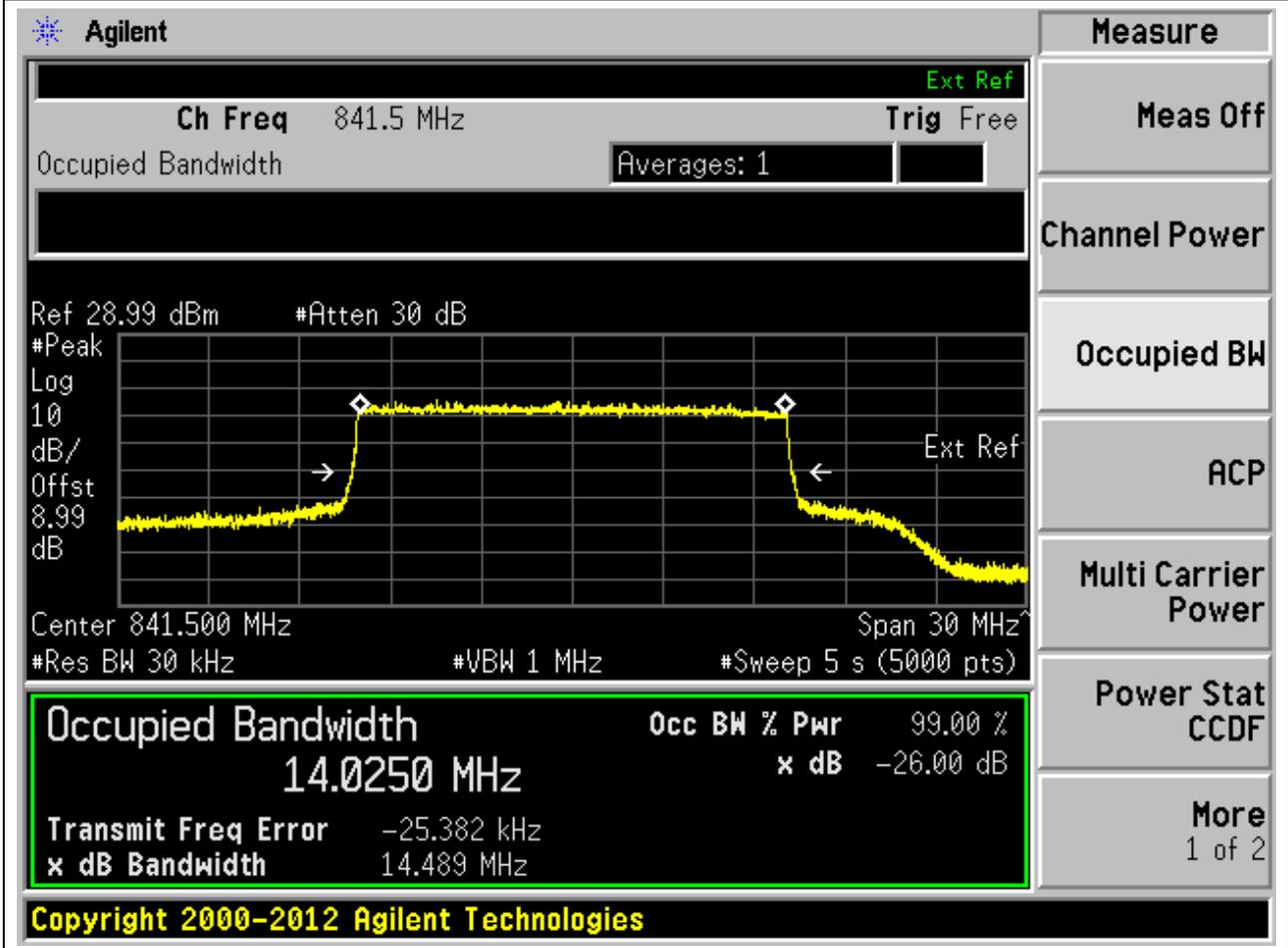
3.26. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:167300, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:79, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.03	Peak	14.07	14.59	15	Pass



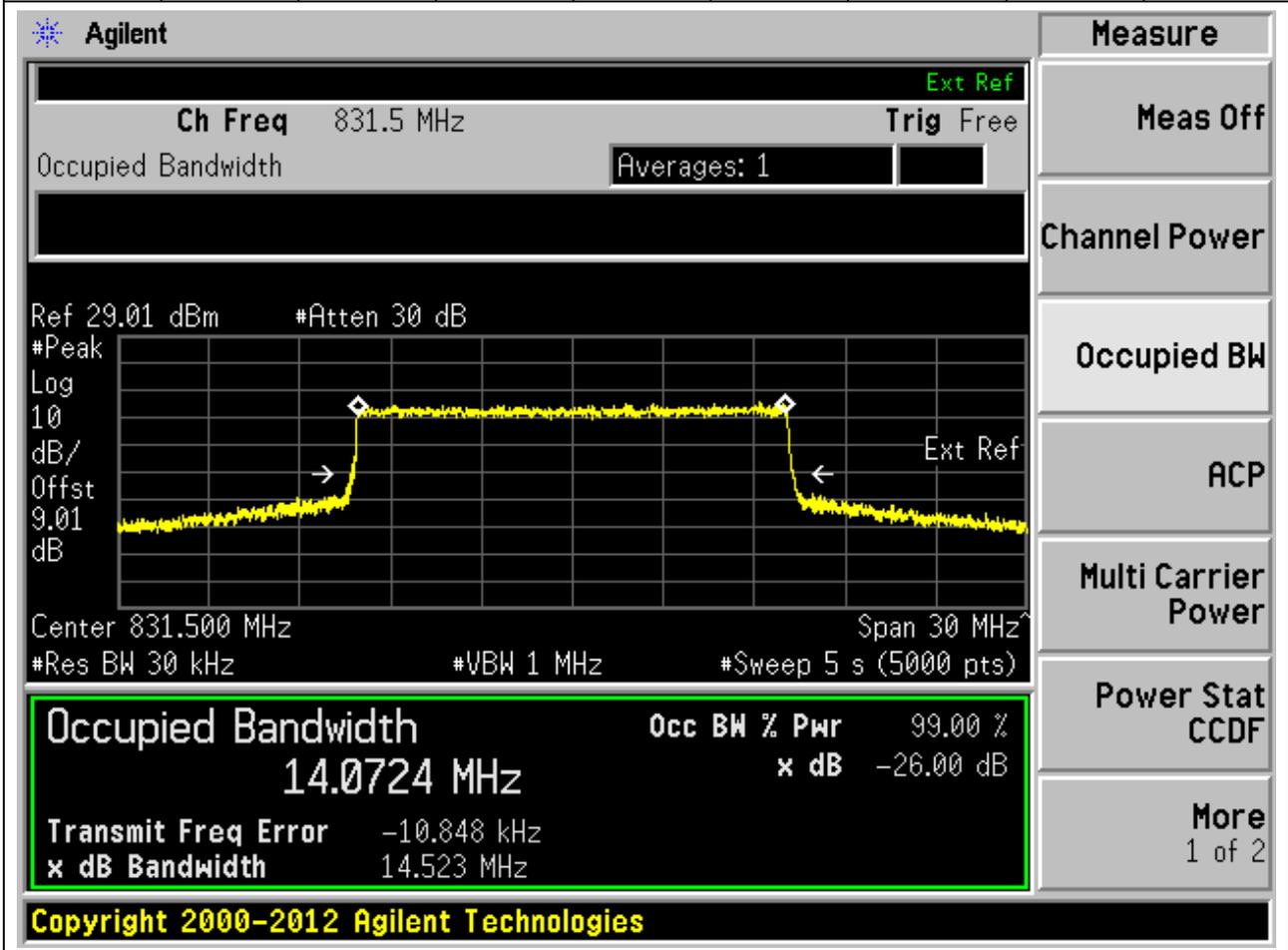
3.27. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:168300, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:79, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
841.5	99	26	0.03	Peak	14.02	14.49	15	Pass



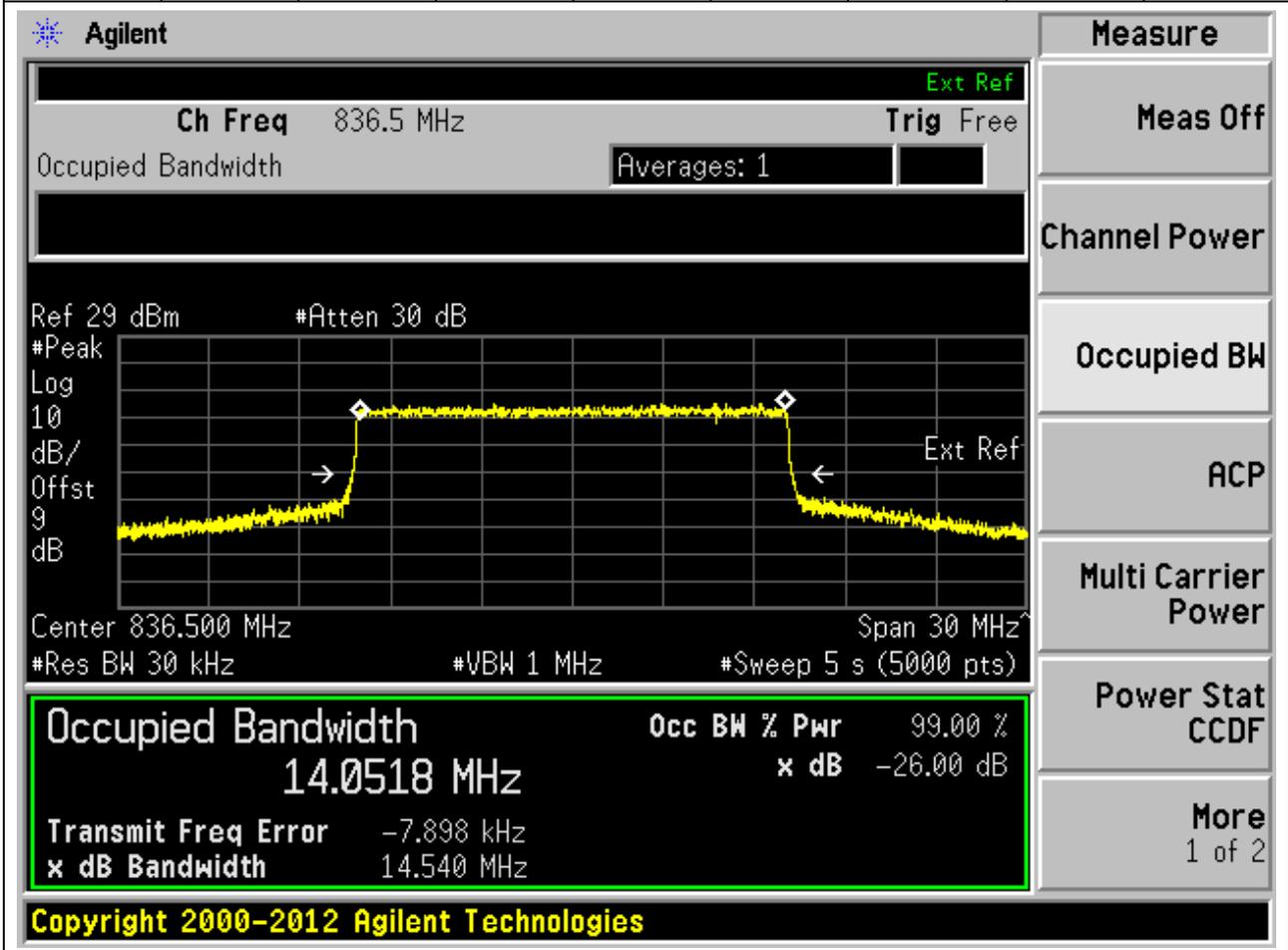
3.28. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:166300, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:79, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
831.5	99	26	0.03	Peak	14.07	14.52	15	Pass



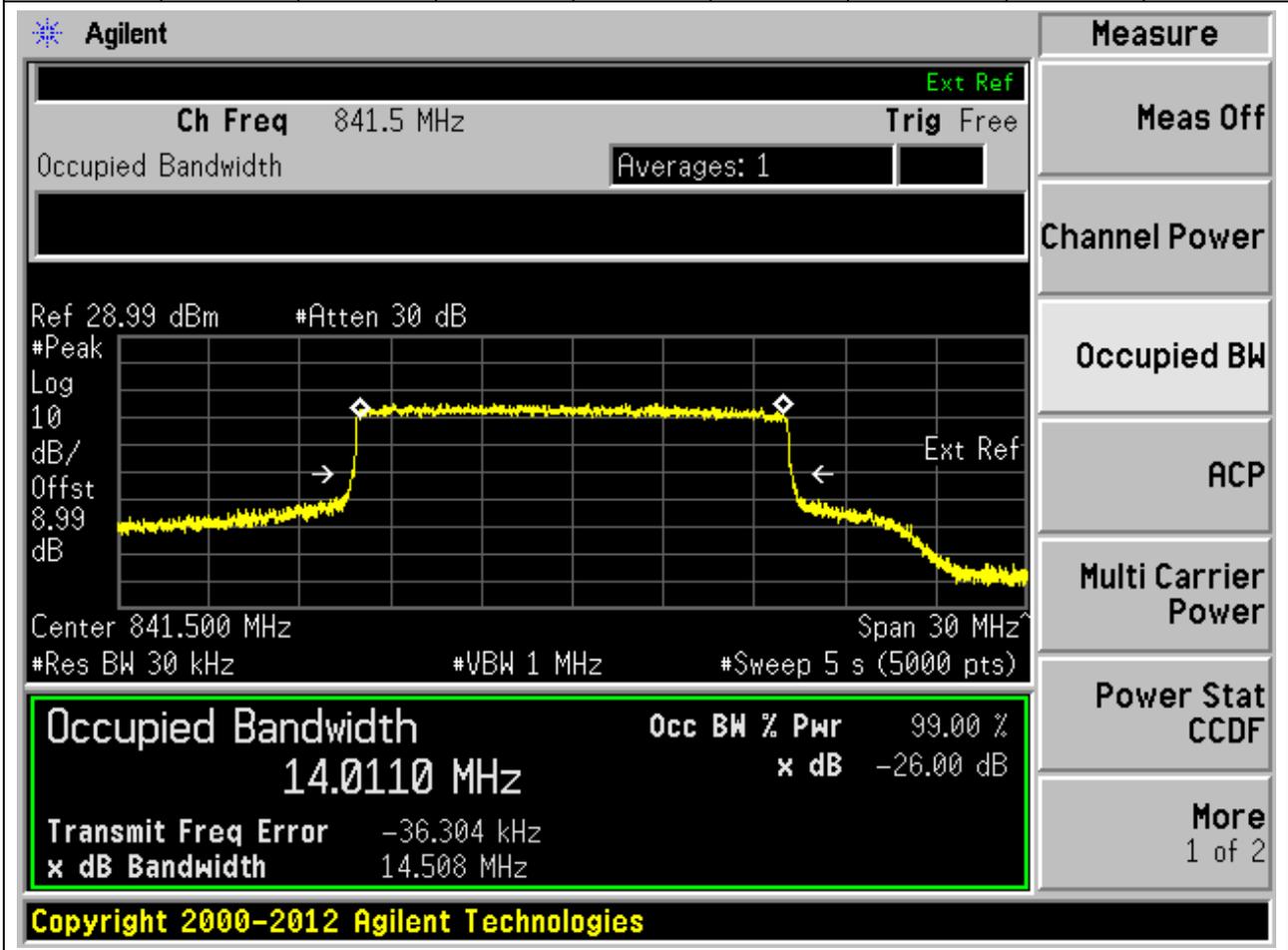
3.29. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:167300, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:79, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.03	Peak	14.05	14.54	15	Pass



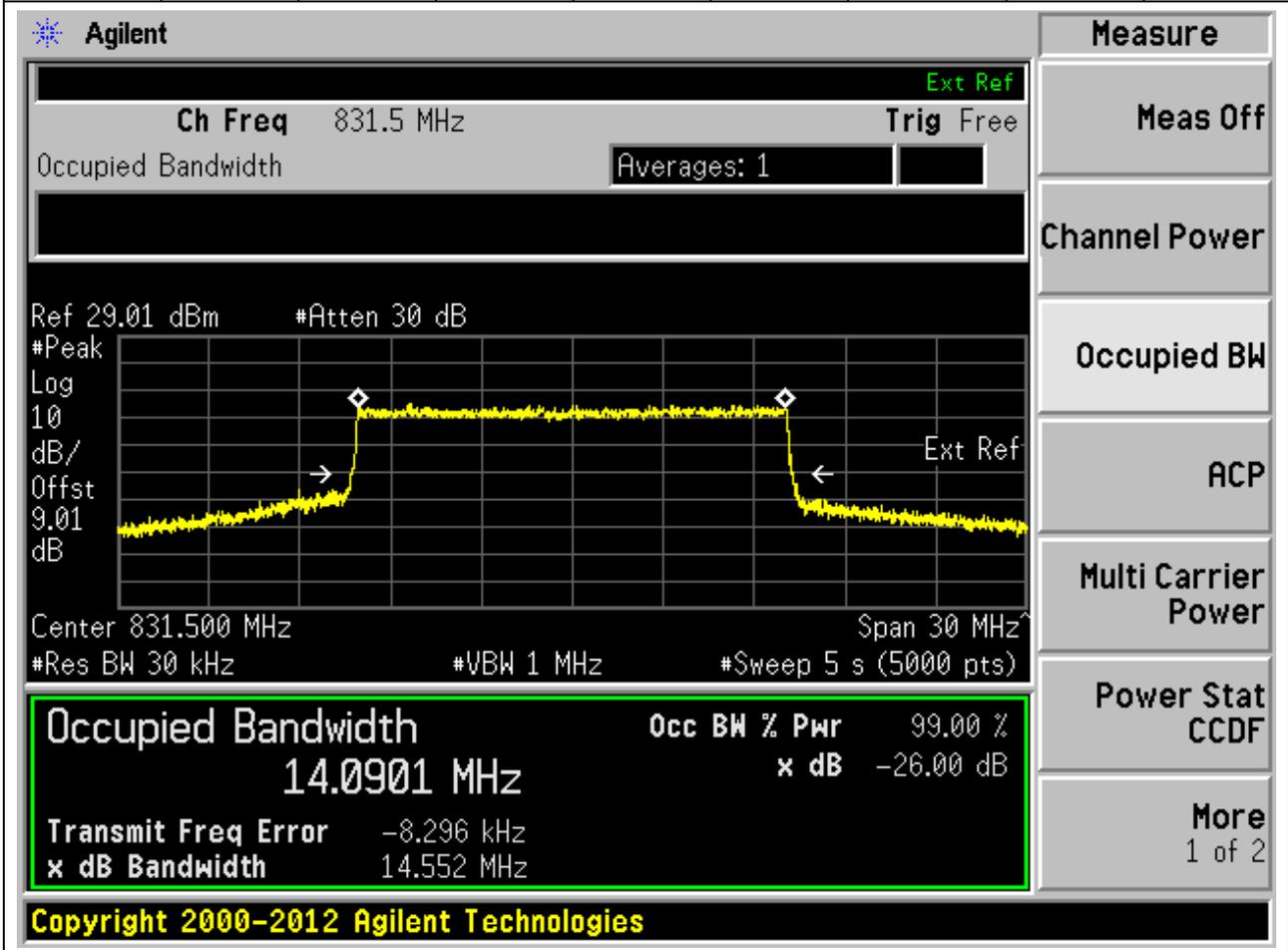
3.30. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:168300, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:79, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
841.5	99	26	0.03	Peak	14.01	14.51	15	Pass



3.31. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:166300, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:79, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
831.5	99	26	0.03	Peak	14.09	14.55	15	Pass



3.32. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:167300, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:79, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.03	Peak	14.08	14.53	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a yellow signal trace on a grid. The center frequency is 836.500 MHz, and the span is 30 MHz. The resolution bandwidth (RBW) is 30 kHz, and the video bandwidth (VBW) is 1 MHz. The sweep time is 5 seconds (5000 points). The signal level is approximately 29 dBm, and the attenuation is 30 dB. The occupied bandwidth is measured as 14.0781 MHz, which is 99.00% of the channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -8.077 kHz, and the XdB bandwidth is 14.525 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	x dB
14.0781 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -8.077 kHz
 x dB Bandwidth: 14.525 MHz

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3.33. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:168300, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:79, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
841.5	99	26	0.03	Peak	14.04	14.52	15	Pass

Agilent

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

Ch Freq 841.5 MHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 28.99 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.99 dB

Center 841.500 MHz Span 30 MHz

#Res BW 30 kHz #VBW 1 MHz #Sweep 5 s (5000 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
14.0431 MHz	x dB -26.00 dB
Transmit Freq Error -29.771 kHz	
x dB Bandwidth 14.524 MHz	

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3.34. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:166300, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:79, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
831.5	99	26	0.03	Peak	14.09	14.63	15	Pass

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

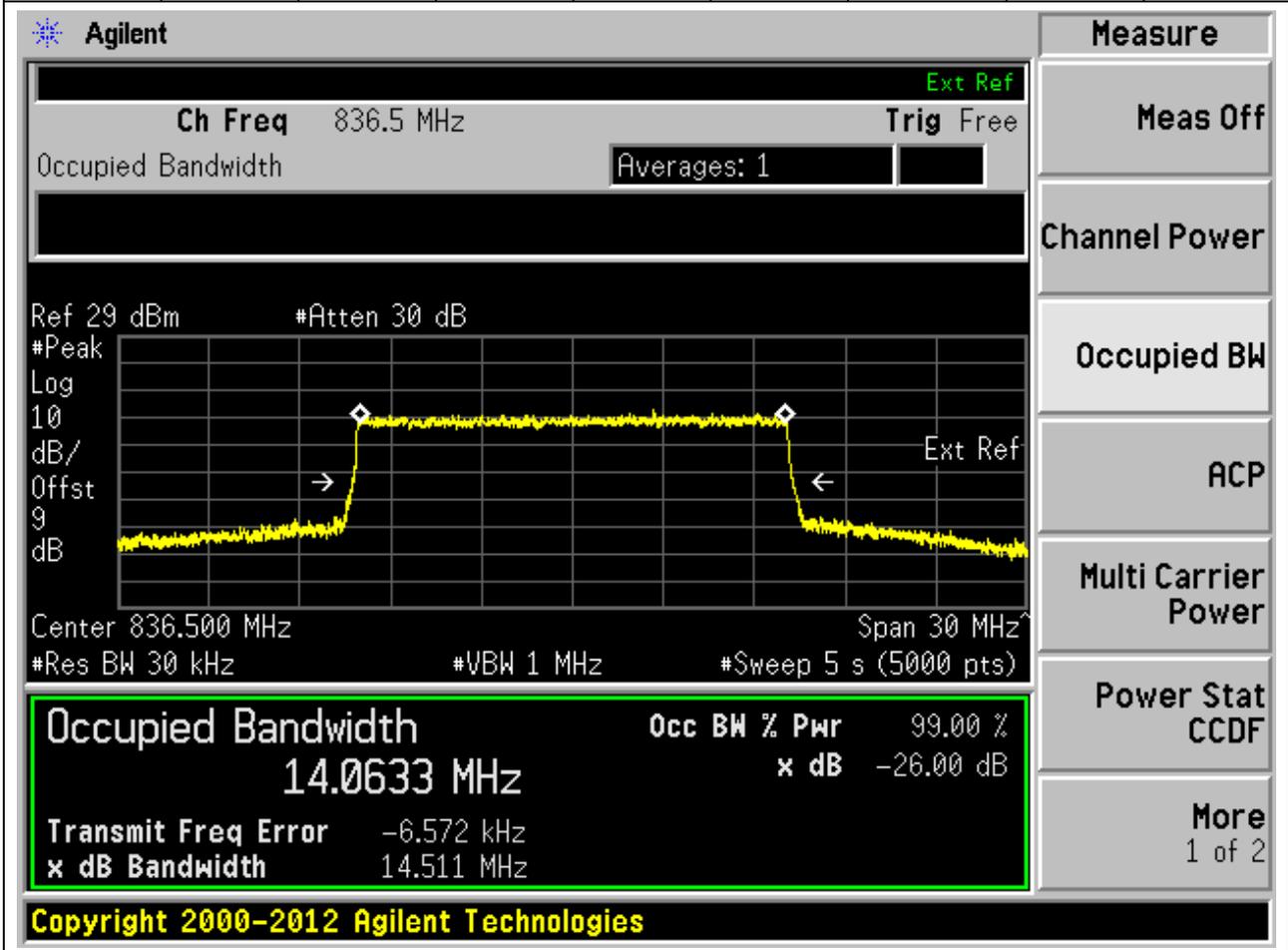
Measurement	Value
Occupied Bandwidth	14.0885 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-3.959 kHz
x dB Bandwidth	14.627 MHz

Additional parameters shown in the interface include: Ch Freq 831.5 MHz, Trig Free, Averages: 1, Ref 29.01 dBm, #Atten 30 dB, #Peak Log 10 dB/Offst 9.01 dB, Center 831.500 MHz, Span 30 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 5 s (5000 pts).

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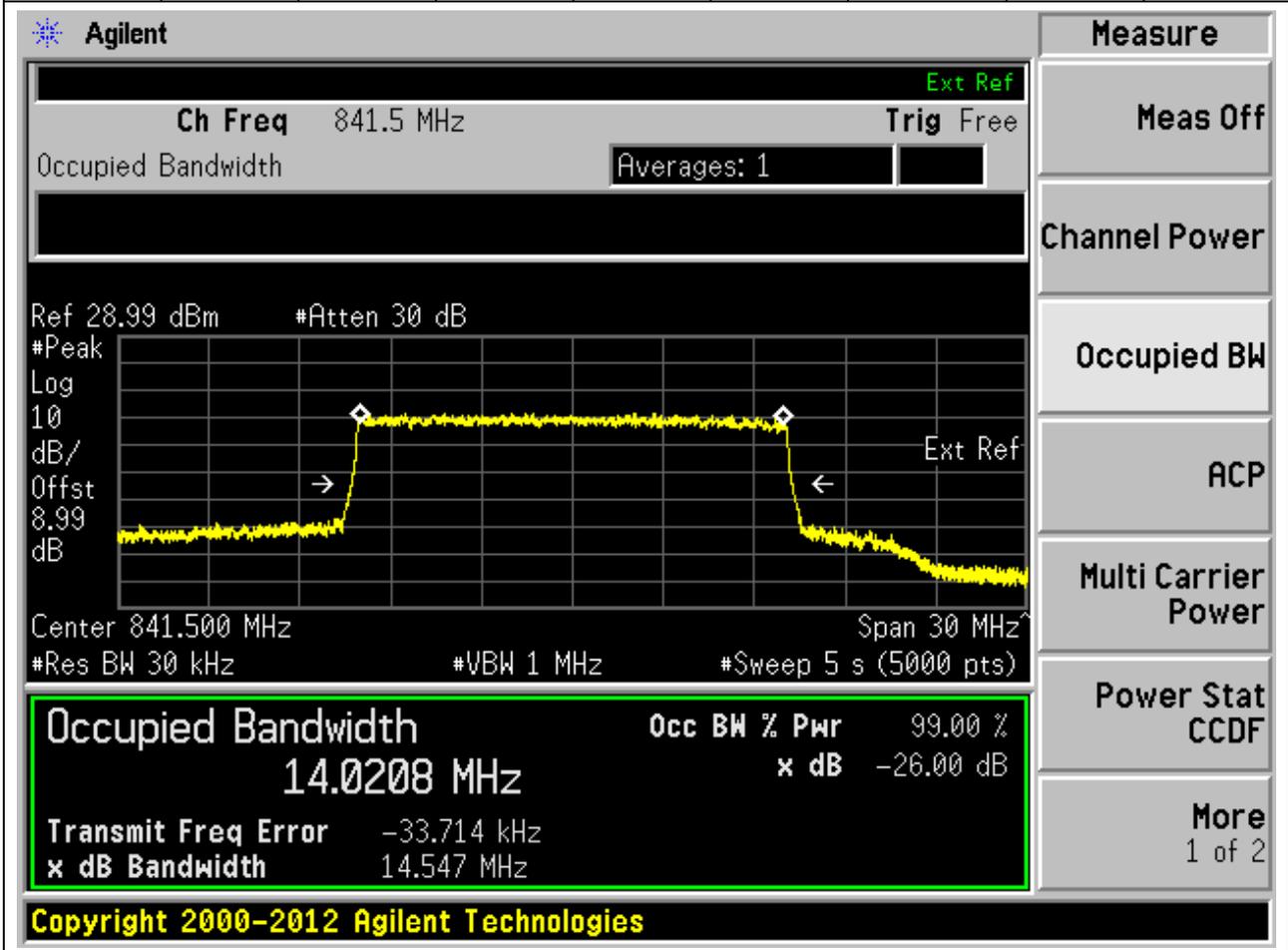
3.35. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:167300, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:79, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.03	Peak	14.06	14.51	15	Pass



3.36. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:168300, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:79, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
841.5	99	26	0.03	Peak	14.02	14.55	15	Pass



3.37. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:166800, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:106, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
834	99	26	0.03	Peak	18.89	19.43	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 834.000 MHz and the span is 40 MHz. The occupied bandwidth is measured as 18.8892 MHz. The power is 99.00% and the XdB bandwidth is 19.434 MHz. The XdB down is -26.00 dB. The transmit frequency error is -11.171 kHz. The interface also shows various settings like Res BW (30 kHz), VBW (1 MHz), and Sweep (5 s). A 'Measure' panel on the right lists various measurement options, with 'Occupied BW' selected. The bottom of the screen shows the copyright notice: Copyright 2000-2012 Agilent Technologies.

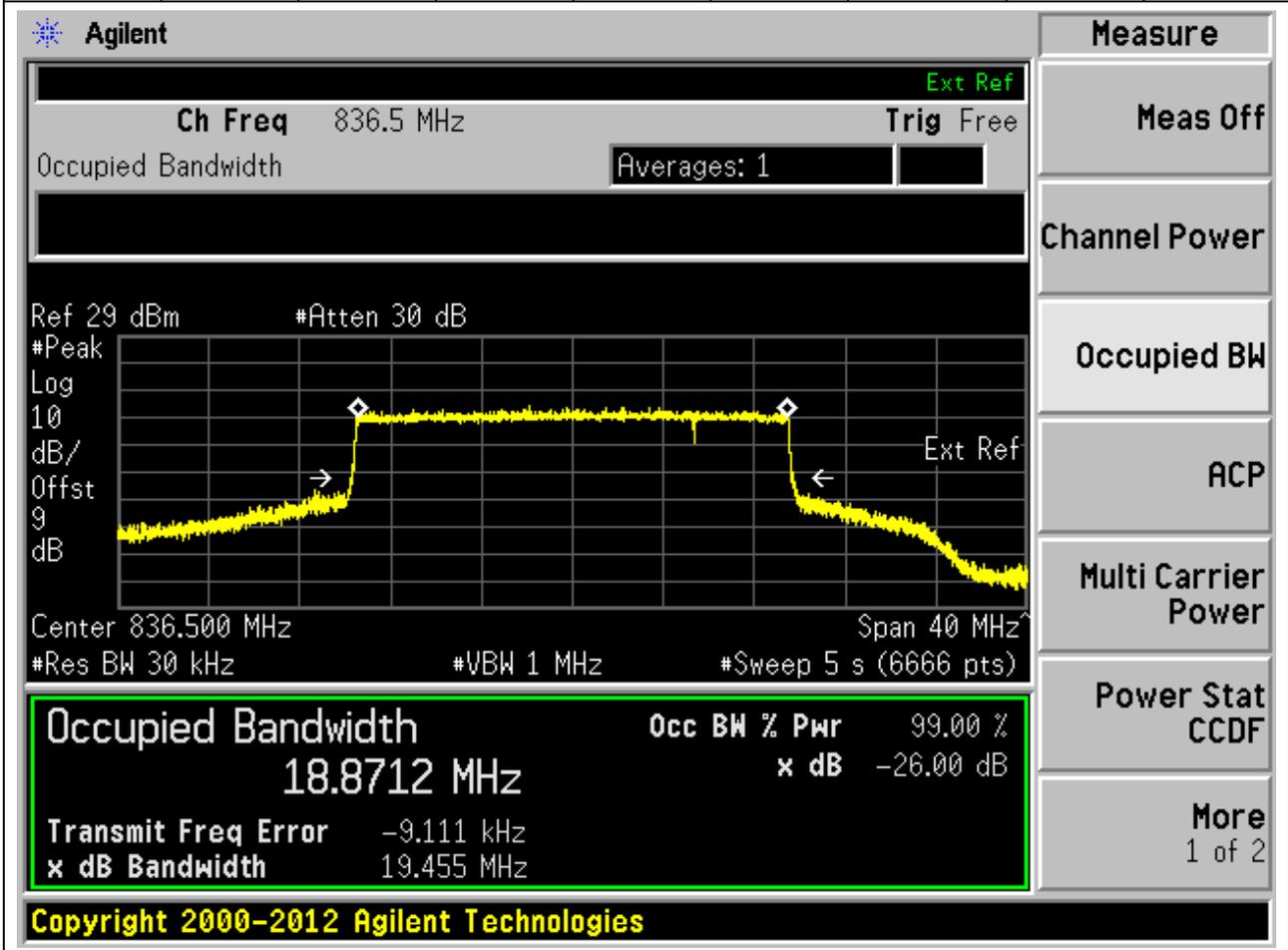
Occupied Bandwidth	Occ BW % Pwr	x dB
18.8892 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -11.171 kHz
x dB Bandwidth: 19.434 MHz

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3.38. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:167300, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:106, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.03	Peak	18.87	19.45	20	Pass



3.39. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:167800, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:106, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
839	99	26	0.03	Peak	18.81	19.37	20	Pass

Agilent
Measure

Ch Freq 839 MHz Trig Free

Occupied Bandwidth Averages: 1

Ref 29 dBm #Atten 30 dB

Center 839.000 MHz Span 40 MHz

#Res BW 30 kHz #VBW 1 MHz #Sweep 5 s (6666 pts)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

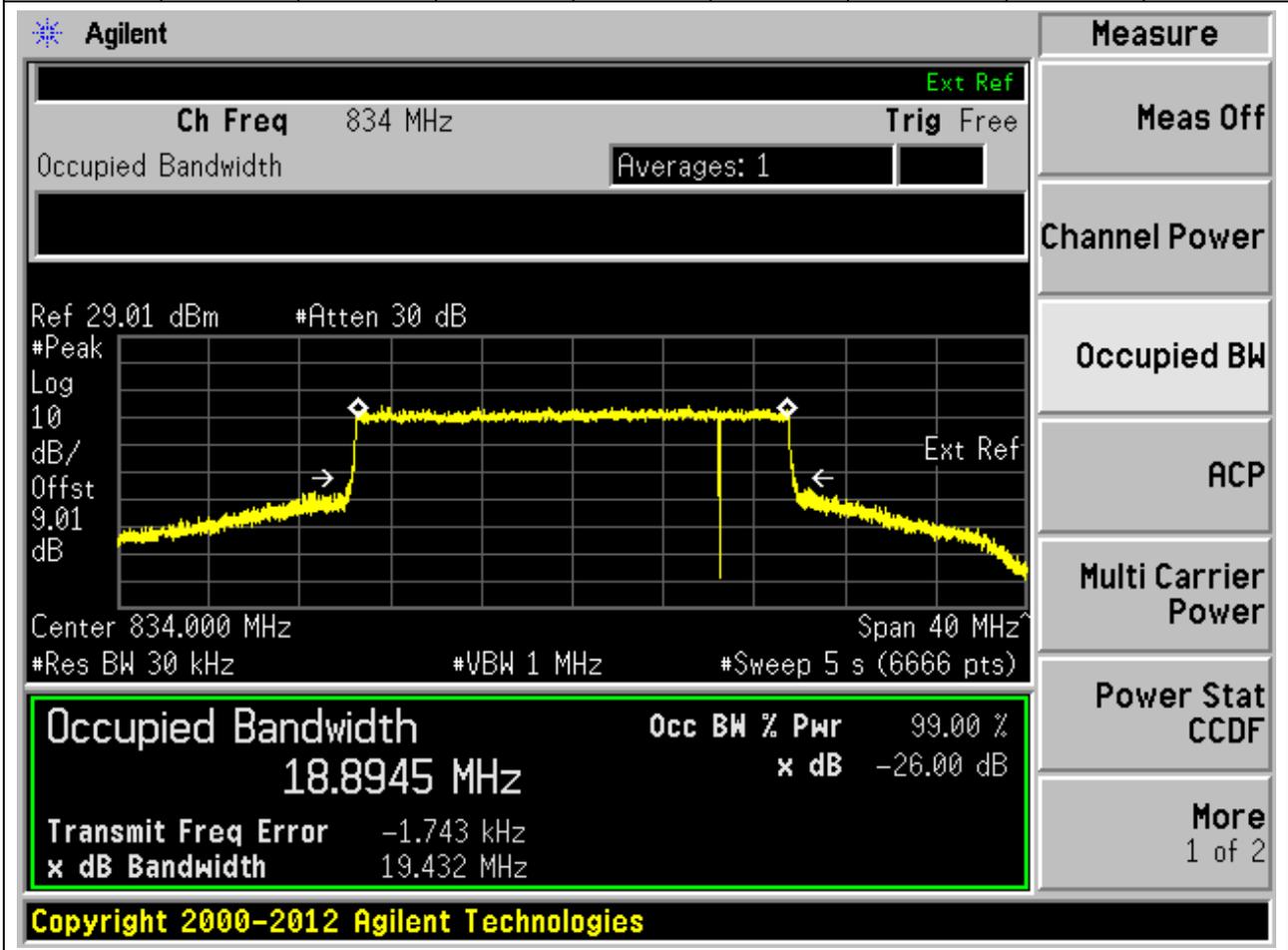
More 1 of 2

Occupied Bandwidth	Occ BW % Pwr 99.00 %
18.8110 MHz	x dB -26.00 dB
Transmit Freq Error -38.961 kHz	
x dB Bandwidth 19.375 MHz	

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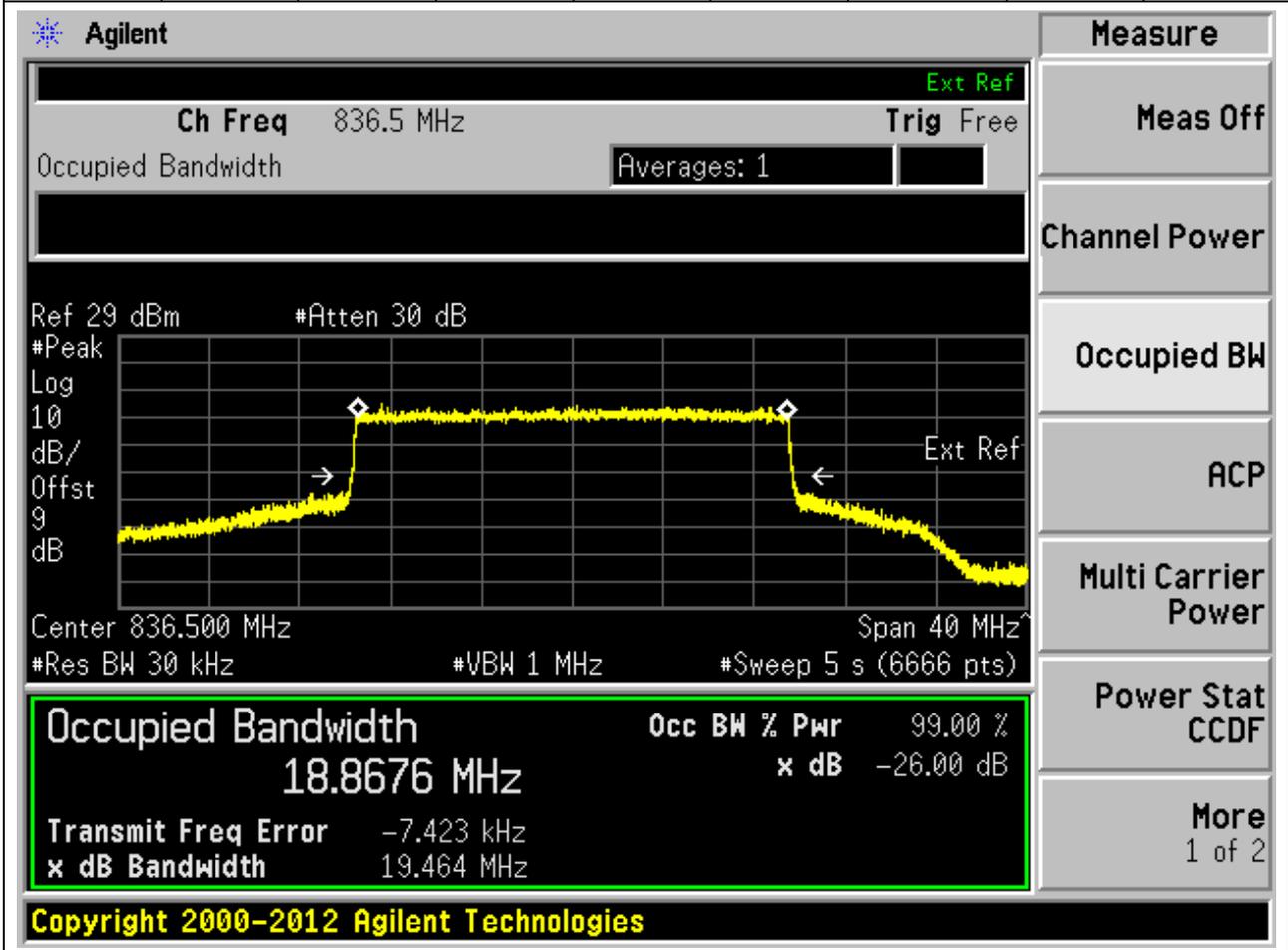
3.40. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:166800, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:106, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
834	99	26	0.03	Peak	18.89	19.43	20	Pass



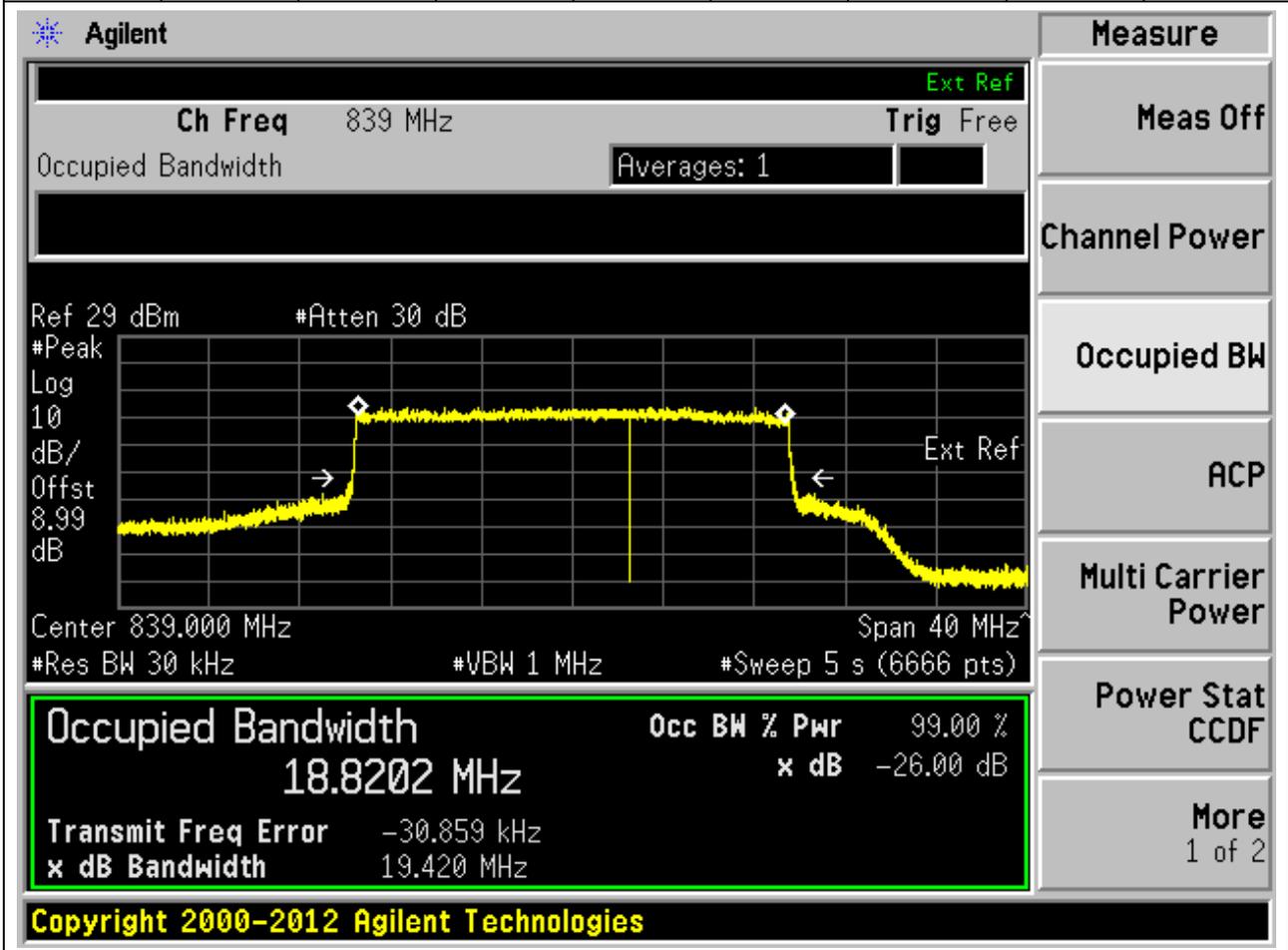
3.41. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:167300, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:106, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.03	Peak	18.87	19.46	20	Pass



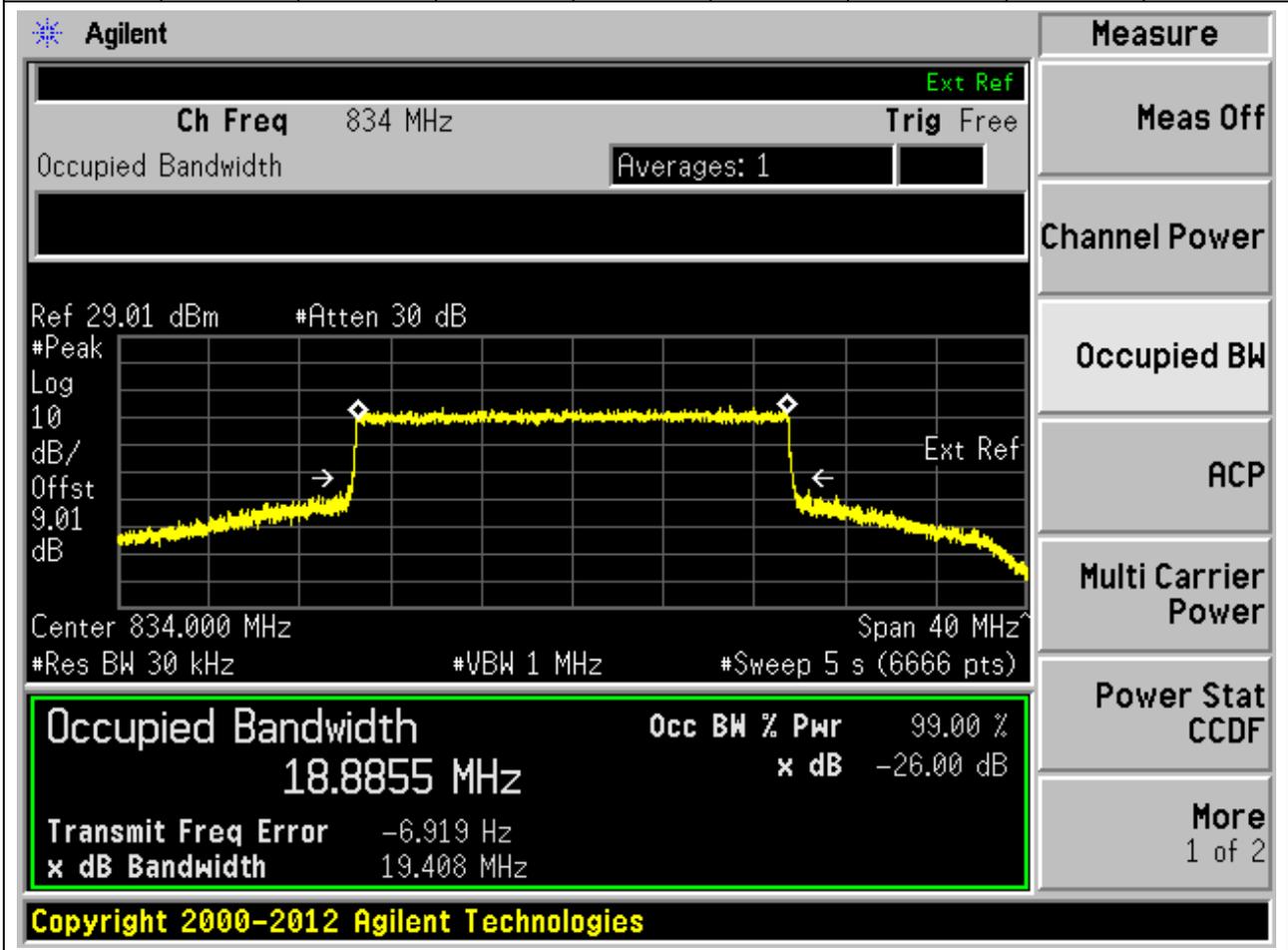
3.42. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:167800, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:106, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
839	99	26	0.03	Peak	18.82	19.42	20	Pass



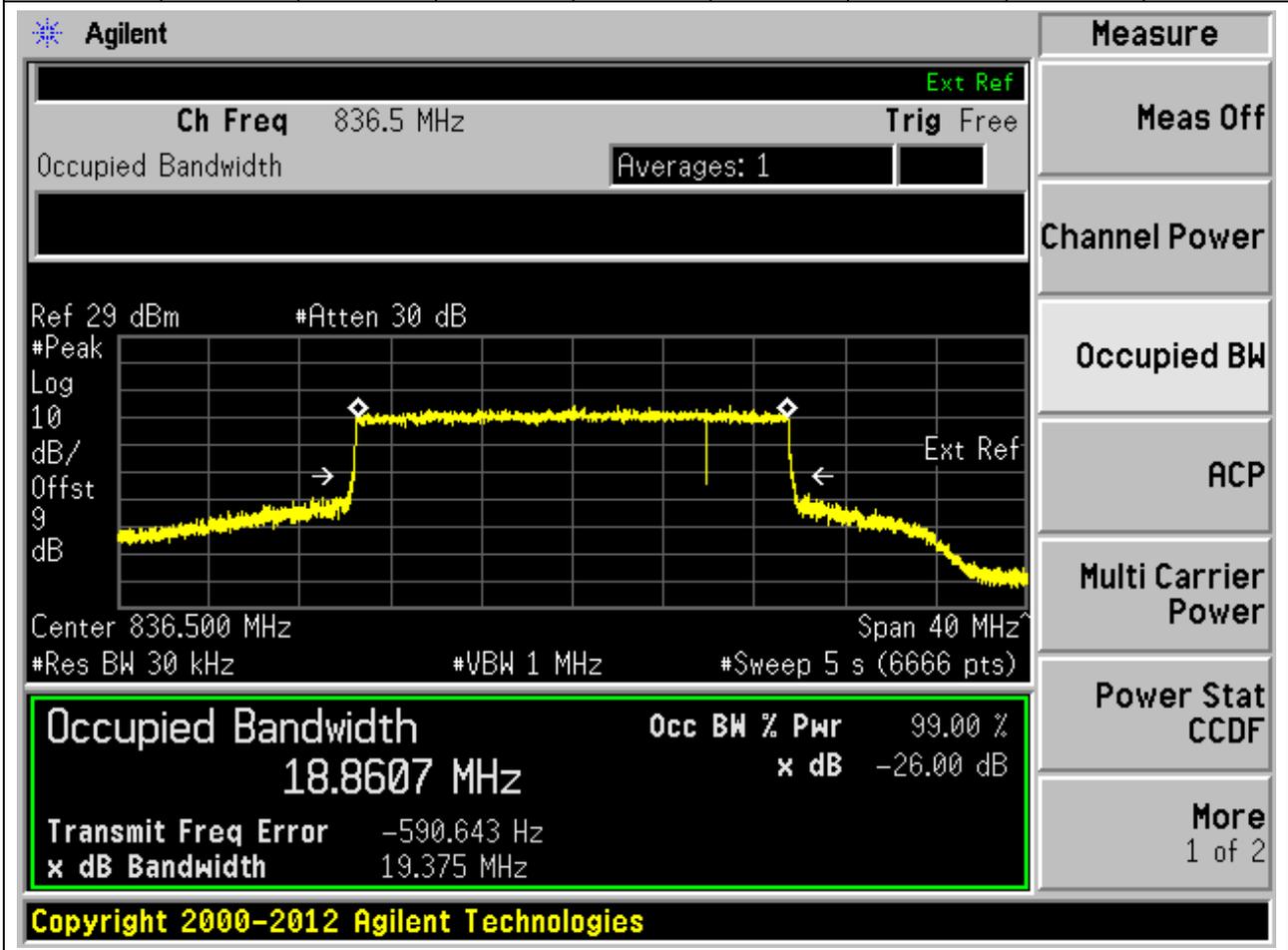
3.43. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:166800, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:106, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
834	99	26	0.03	Peak	18.89	19.41	20	Pass



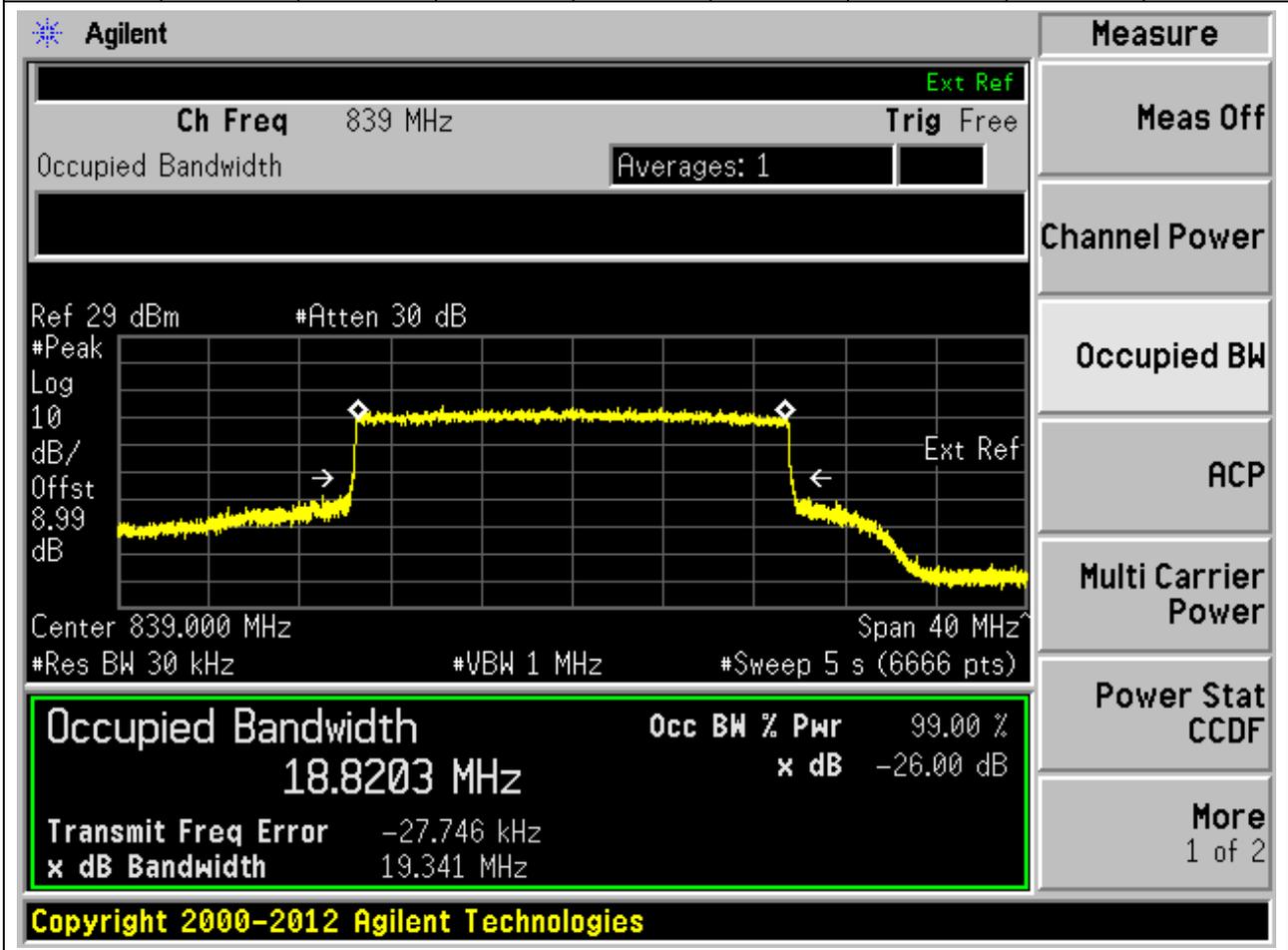
3.44. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:167300, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:106, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.03	Peak	18.86	19.37	20	Pass



3.45. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:167800, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:106, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
839	99	26	0.03	Peak	18.82	19.34	20	Pass



3.46. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:166800, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:106, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
834	99	26	0.03	Peak	18.9	19.47	20	Pass

Agilent

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

Ch Freq 834 MHz
Ext Ref

Occupied Bandwidth
Averages: 1

Ref 29.01 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 9.01 dB

Center 834.000 MHz Span 40 MHz

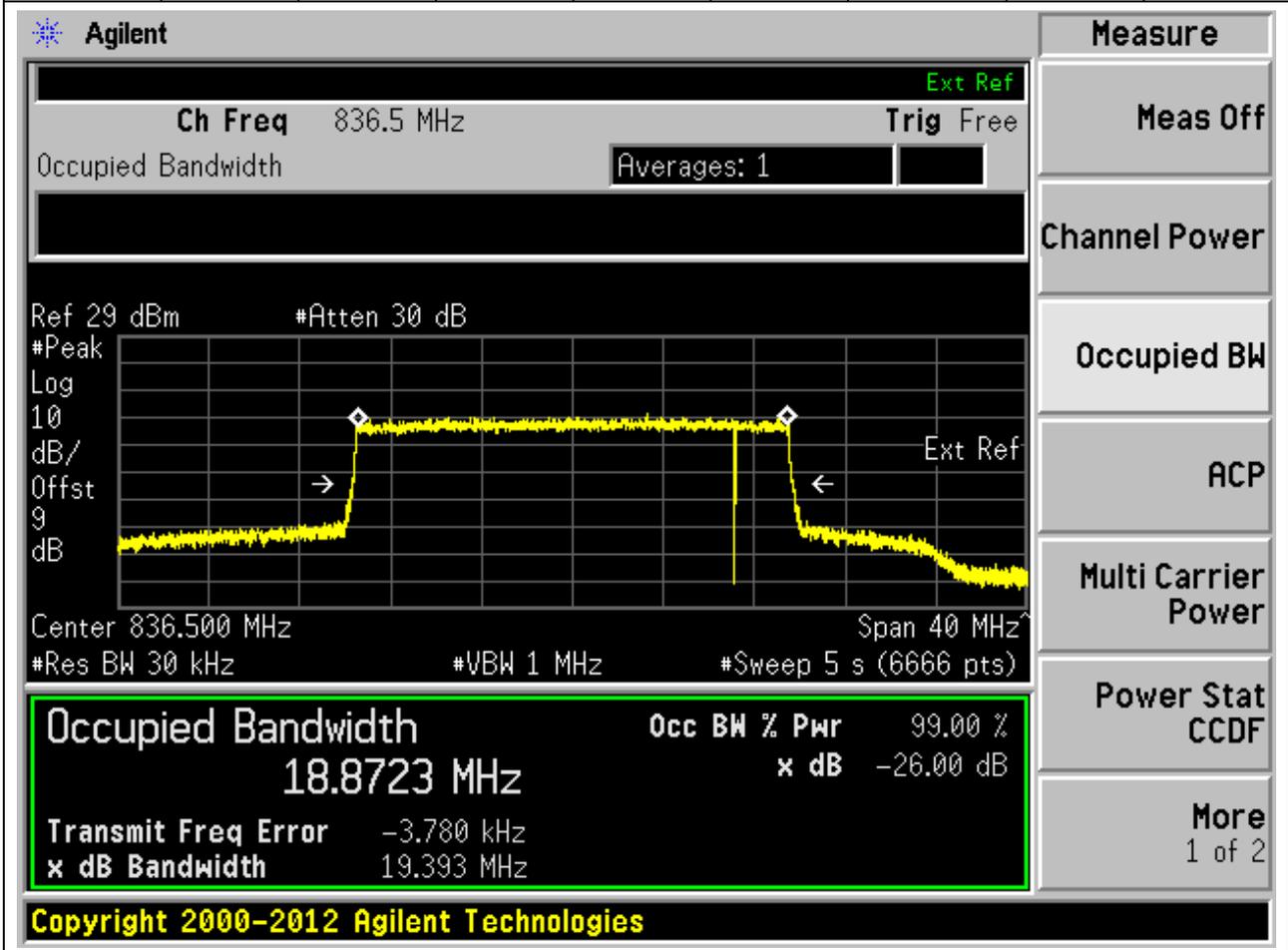
#Res BW 30 kHz #VBW 1 MHz #Sweep 5 s (6666 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
18.8953 MHz	x dB	-26.00 dB
Transmit Freq Error	4.286 kHz	
x dB Bandwidth	19.475 MHz	

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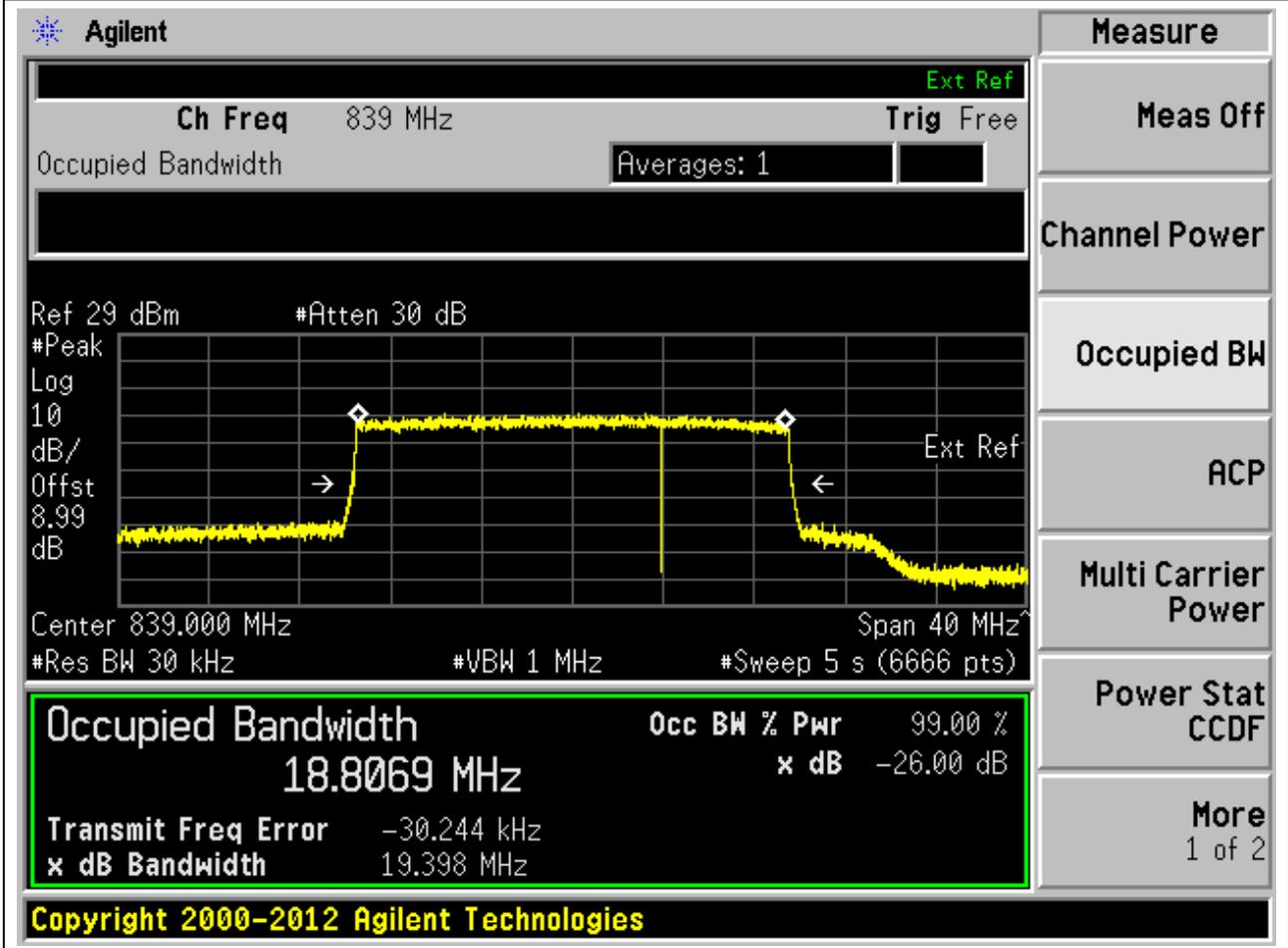
3.47. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:167300, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:106, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.03	Peak	18.87	19.39	20	Pass



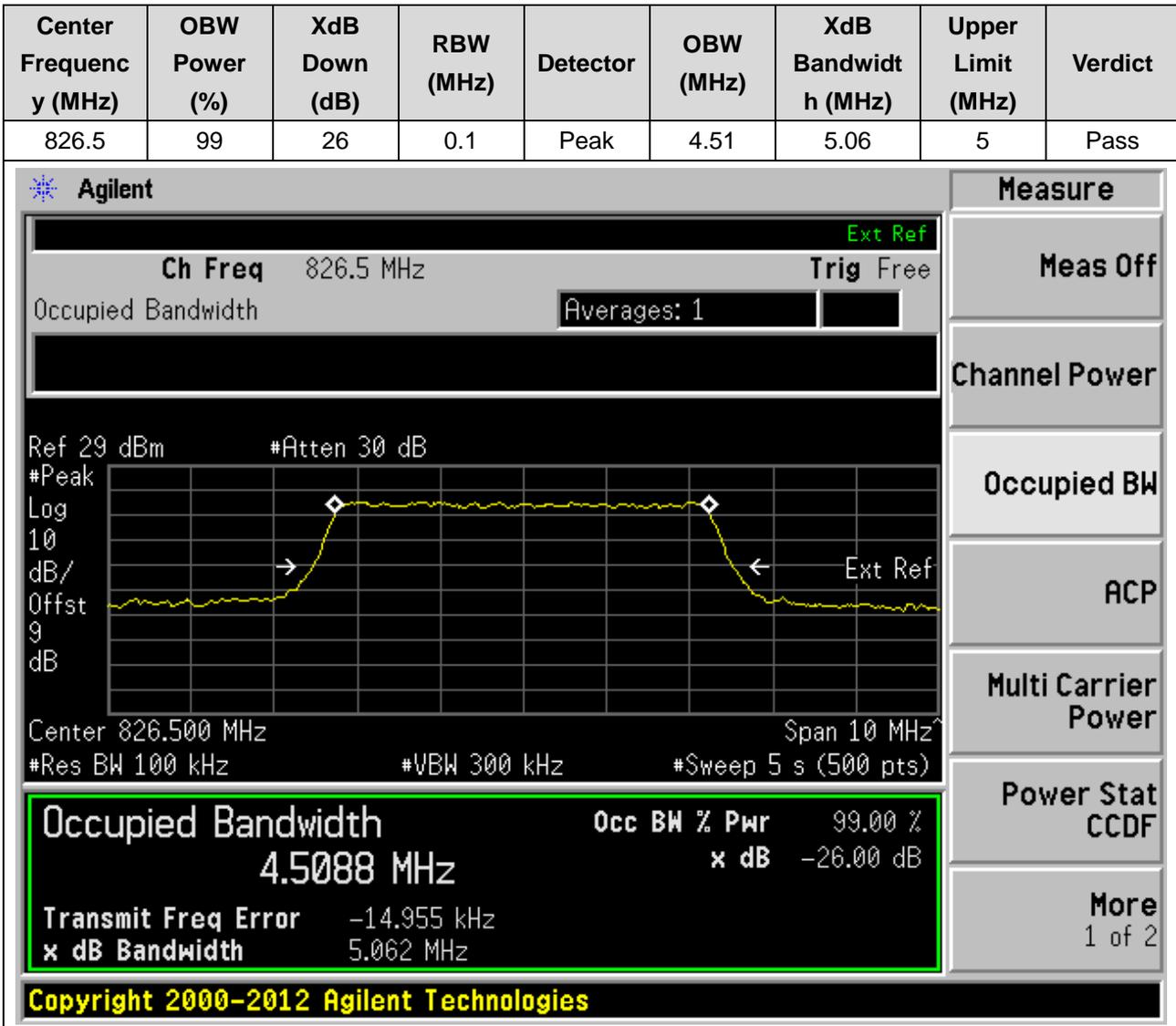
3.48. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:167800, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:106, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
839	99	26	0.03	Peak	18.81	19.4	20	Pass



4. n5

4.1. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:165300, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:25, RB Position:0)



4.2. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:167300, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.1	Peak	4.49	4.99	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 836.500 MHz, and the span is 10 MHz. The resolution bandwidth (RBW) is 100 kHz, and the video bandwidth (VBW) is 300 kHz. The sweep time is 5 seconds. The occupied bandwidth is measured as 4.4921 MHz, which is 99.00% of the channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -5.511 kHz, and the XdB bandwidth is 4.988 MHz. The interface also shows a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The bottom of the screen displays the copyright information: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.4921 MHz	x dB	-26.00 dB
Transmit Freq Error	-5.511 kHz	
x dB Bandwidth	4.988 MHz	

4.3. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:169300, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
846.5	99	26	0.1	Peak	4.5	5.03	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 846.500 MHz, and the span is 10 MHz. The resolution bandwidth (RBW) is 100 kHz, and the video bandwidth (VBW) is 300 kHz. The sweep time is 5 seconds. The occupied bandwidth is measured as 4.4952 MHz, which is 99.00% of the channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -22.442 kHz, and the XdB bandwidth is 5.028 MHz. The interface also shows a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The bottom of the screen displays the copyright information: 'Copyright 2000-2012 Agilent Technologies'.

4.4. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:165300, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
826.5	99	26	0.1	Peak	4.49	5	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 826.500 MHz, and the span is 10 MHz. The occupied bandwidth is measured as 4.4883 MHz. The power is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -6.794 kHz, and the XdB bandwidth is 5.004 MHz. The interface includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
4.4883 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -6.794 kHz
x dB Bandwidth: 5.004 MHz

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4.5. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:167300, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.1	Peak	4.5	5.02	5	Pass

Agilent

Measure

Ch Freq 836.5 MHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 29 dBm
#Atten 30 dB

#Peak
Ext Ref

Center 836.500 MHz
Span 10 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
4.4992 MHz	x dB -26.00 dB
Transmit Freq Error 4.306 kHz	
x dB Bandwidth 5.021 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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4.6. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:169300, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
846.5	99	26	0.1	Peak	4.49	5	5	Pass

Agilent

Measure

Ch Freq 846.5 MHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 28.99 dBm
#Atten 30 dB

#Peak
Ext Ref

Log 10 dB/Offst 8.99 dB
 Center 846.500 MHz Span 10 MHz
 #Res BW 100 kHz #VBW 300 kHz #Sweep 5 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.4883 MHz	x dB	-26.00 dB
Transmit Freq Error		-19.894 kHz
x dB Bandwidth		4.998 MHz

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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4.7. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:165300, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
826.5	99	26	0.1	Peak	4.48	5.01	5	Pass

Agilent

Measure

Ch Freq 826.5 MHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 29 dBm
#Atten 30 dB

#Peak
Ext Ref

Center 826.500 MHz
Span 10 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
4.4835 MHz	x dB -26.00 dB
Transmit Freq Error -15.840 kHz	
x dB Bandwidth 5.005 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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4.8. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:167300, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.1	Peak	4.5	5.08	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 836.500 MHz, and the span is 10 MHz. The resolution bandwidth (RBW) is 100 kHz, and the video bandwidth (VBW) is 300 kHz. The sweep time is 5 seconds. The occupied bandwidth is measured as 4.4981 MHz, which is 99.00% of the channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -13.295 kHz, and the XdB bandwidth is 5.076 MHz. The interface also shows a 'Measure' menu with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'.

Occupied Bandwidth	Occ BW % Pwr	x dB
4.4981 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -13.295 kHz
 x dB Bandwidth: 5.076 MHz

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4.9. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:169300, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
846.5	99	26	0.1	Peak	4.47	4.95	5	Pass

Agilent

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

Ch Freq 846.5 MHz Trig Free

Occupied Bandwidth Averages: 1

Ref 28.99 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.99 dB

Center 846.500 MHz Span 10 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
4.4735 MHz	x dB -26.00 dB
Transmit Freq Error -27.531 kHz	
x dB Bandwidth 4.955 MHz	

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4.10. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:165300, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
826.5	99	26	0.1	Peak	4.5	5.12	5	Pass

Agilent

Measure

Ch Freq 826.5 MHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 29 dBm
#Atten 30 dB

#Peak
Ext Ref

Center 826.500 MHz
Span 10 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
4.5041 MHz	x dB -26.00 dB
Transmit Freq Error -14.905 kHz	
x dB Bandwidth 5.123 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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4.11. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:167300, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.1	Peak	4.51	5.05	5	Pass

Agilent

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

Ch Freq 836.5 MHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 29 dBm #Atten 30 dB

Center 836.500 MHz Span 10 MHz
#Res BW 100 kHz #VBW 300 kHz #Sweep 5 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.5102 MHz	x dB	-26.00 dB
Transmit Freq Error	-11.186 kHz	
x dB Bandwidth	5.052 MHz	

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4.12. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:169300, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
846.5	99	26	0.1	Peak	4.49	5.08	5	Pass

Agilent

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

Ch Freq 846.5 MHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 28.99 dBm #Atten 30 dB

#Peak

Log

10

dB/

Offst

8.99

dB

Center 846.500 MHz Span 10 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
4.4936 MHz	x dB -26.00 dB
Transmit Freq Error	-24.586 kHz
x dB Bandwidth	5.078 MHz

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4.13. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:165800, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:52, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
829	99	26	0.03	Peak	9.26	9.73	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 829.000 MHz and the span is 20 MHz. The resolution bandwidth (RBW) is 30 kHz and the video bandwidth (VBW) is 1 MHz. The sweep time is 5 seconds. The occupied bandwidth is measured as 9.2647 MHz, which is 99.00% of the channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -7.742 kHz. The XdB bandwidth is 9.728 MHz. The interface also shows a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The bottom of the screen displays the copyright information: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
9.2647 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -7.742 kHz
x dB Bandwidth: 9.728 MHz

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4.14. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:167300, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:52, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.03	Peak	9.26	9.71	10	Pass

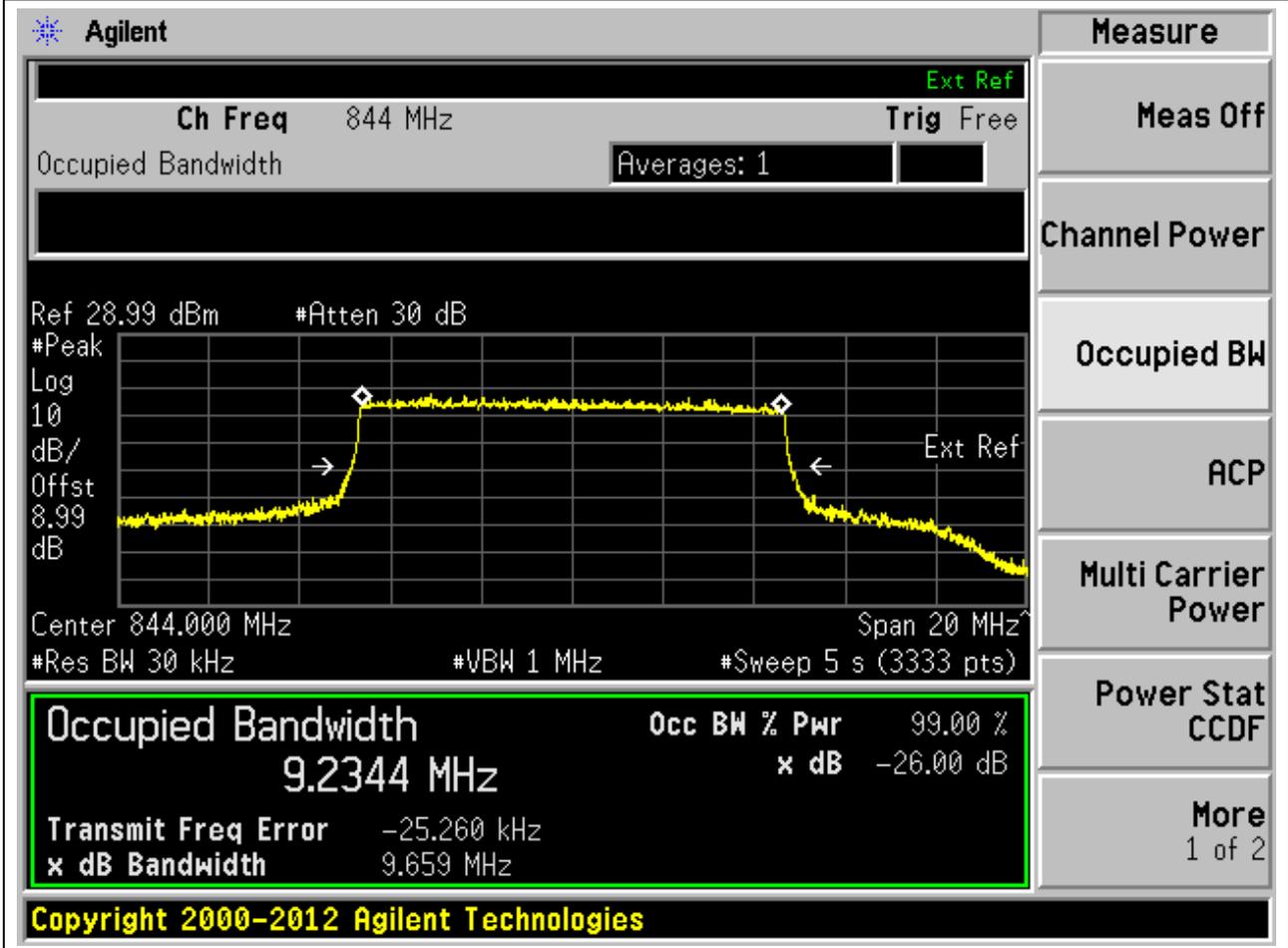
The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is 836.5 MHz. The main display shows a spectrum plot with a yellow trace representing the signal. The plot includes a reference level at 29 dBm and an attenuation of 30 dB. The occupied bandwidth is highlighted with a green box, showing a value of 9.2576 MHz. The power level is 99.00% and the XdB bandwidth is -26.00 dB. The interface also shows various measurement parameters like Res BW (30 kHz), VBW (1 MHz), and Sweep (5 s).

Occupied Bandwidth		Occ BW % Pwr	99.00 %
9.2576 MHz		x dB	-26.00 dB
Transmit Freq Error	-2.253 kHz		
x dB Bandwidth	9.705 MHz		

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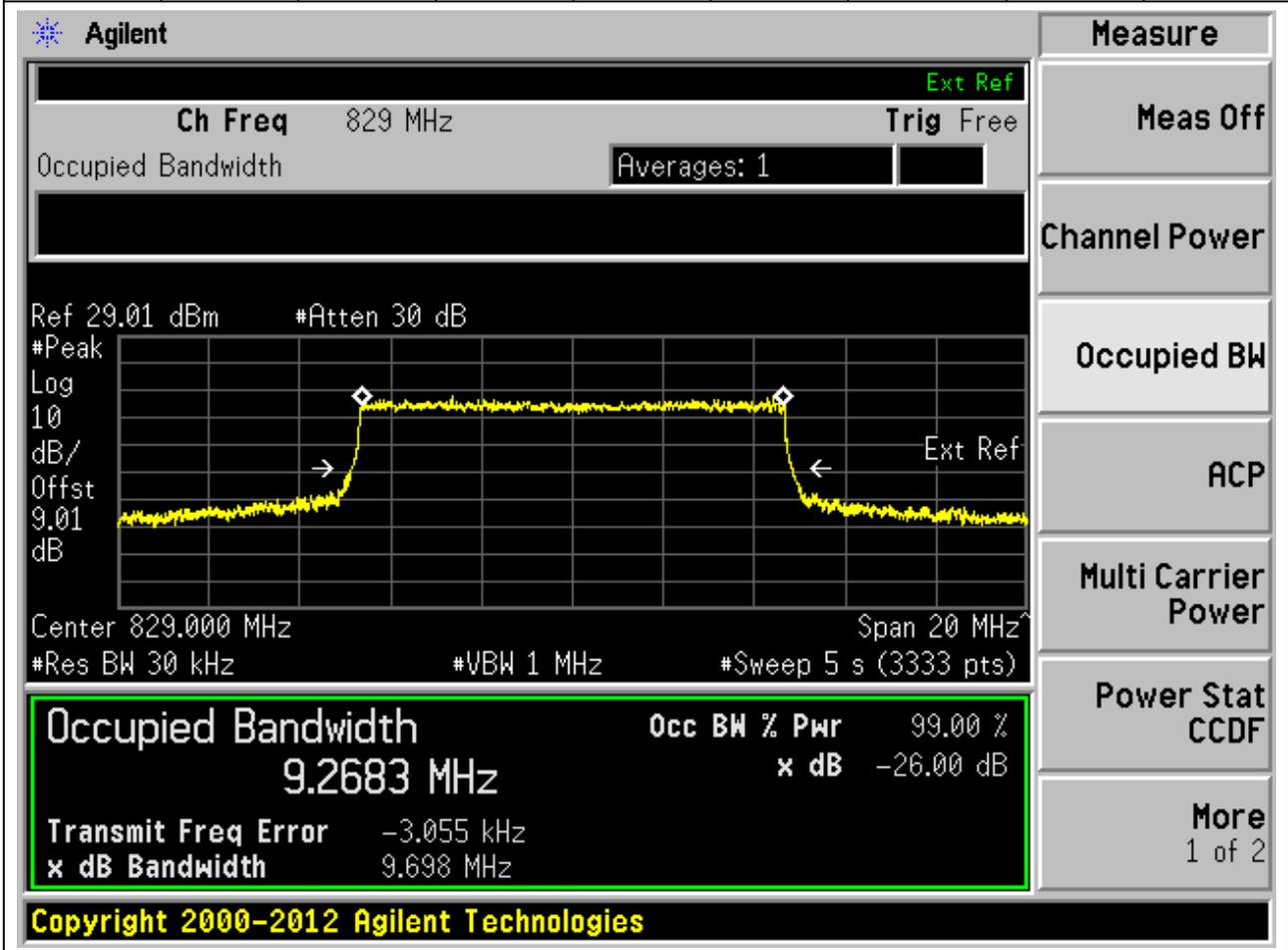
4.15. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:168800, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:52, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
844	99	26	0.03	Peak	9.23	9.66	10	Pass



4.16. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:165800, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:52, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
829	99	26	0.03	Peak	9.27	9.7	10	Pass



4.17. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:167300, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:52, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.03	Peak	9.26	9.65	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: 1

Ref 29 dBm
#Atten 30 dB

#Peak

Center 836.500 MHz
Span 20 MHz

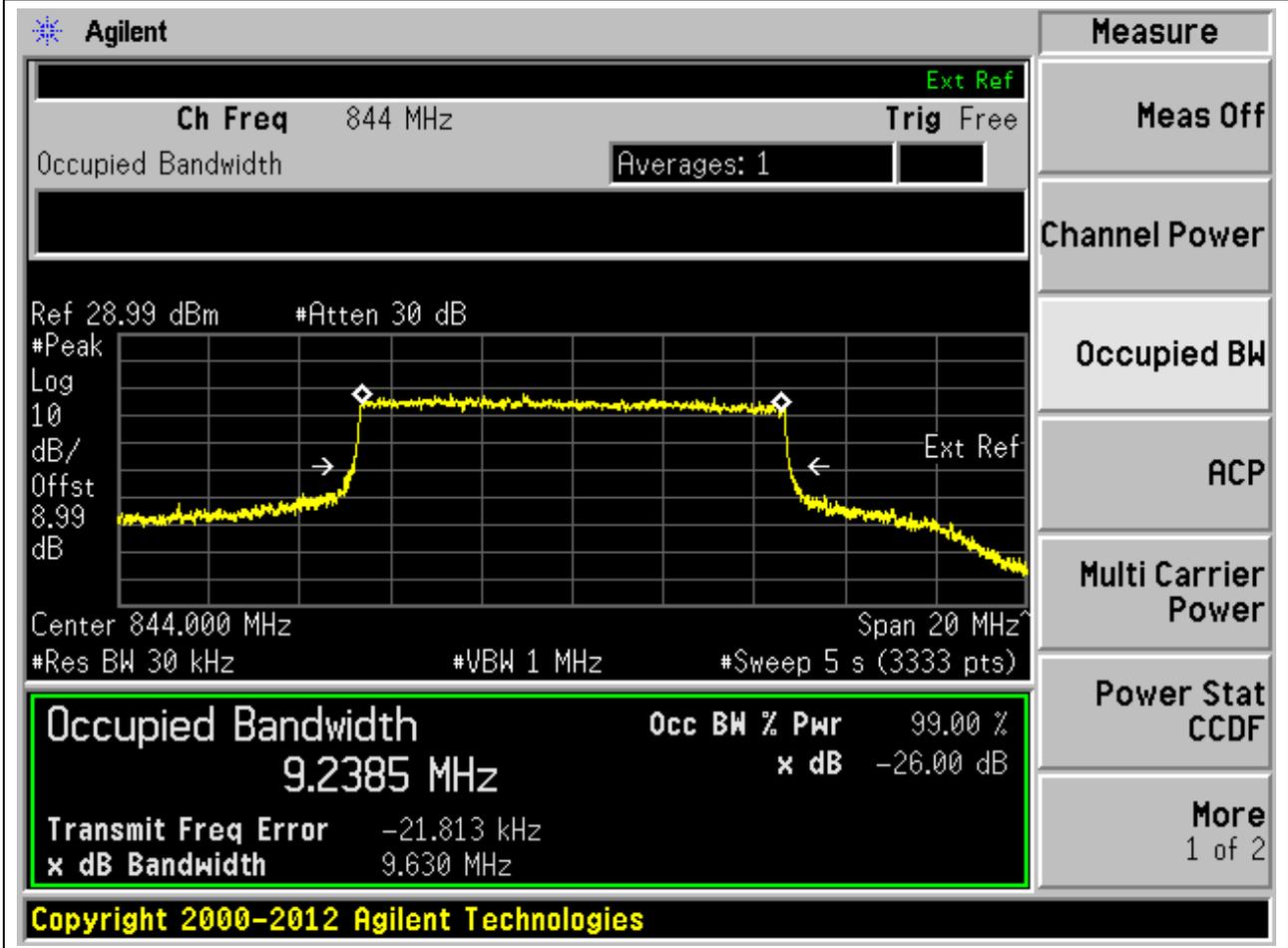
#Res BW 30 kHz
#VBW 1 MHz
#Sweep 5 s (3333 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
9.2648 MHz	x dB -26.00 dB
Transmit Freq Error 885.556 Hz	
x dB Bandwidth 9.651 MHz	

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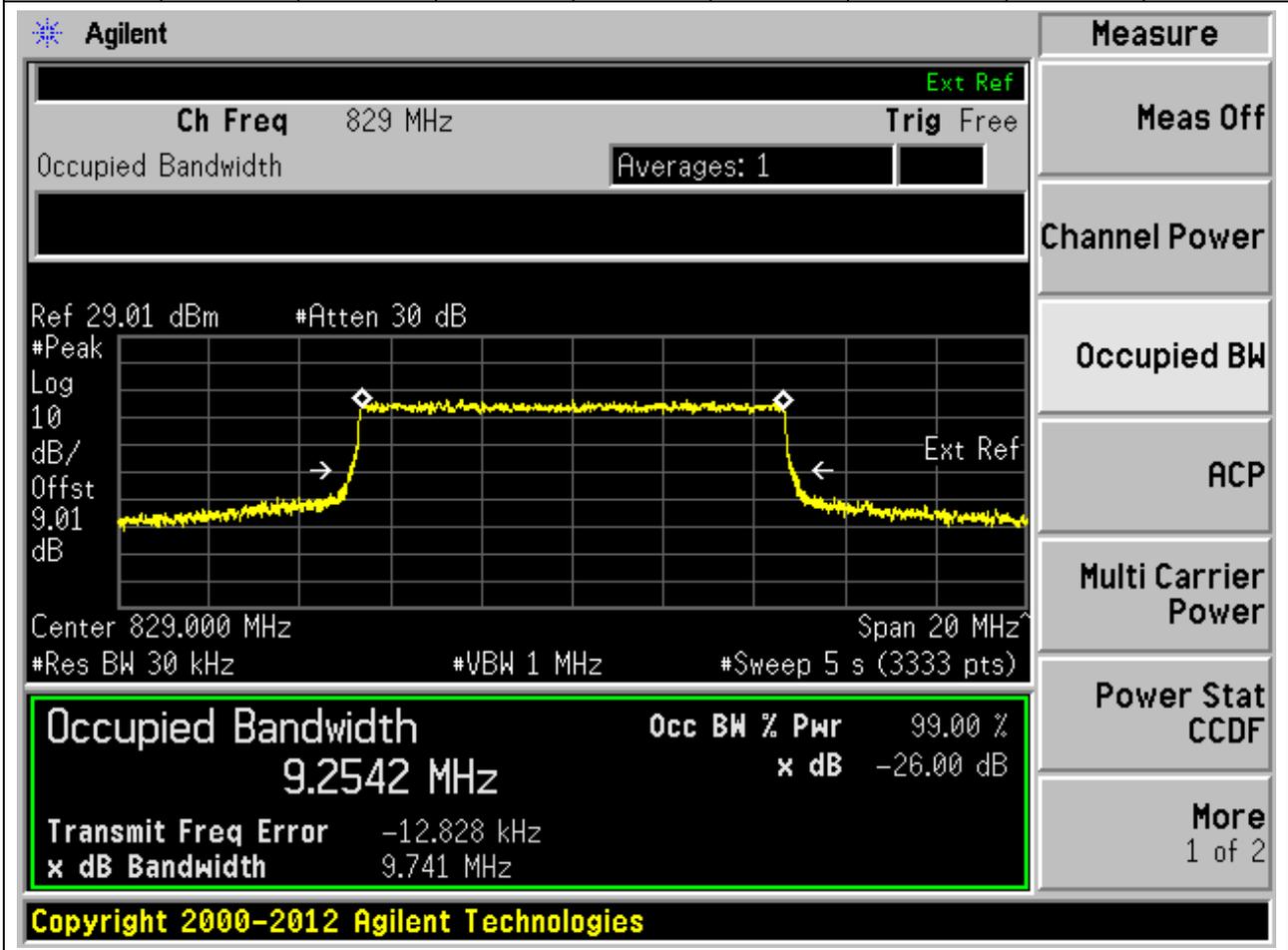
4.18. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:168800, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:52, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
844	99	26	0.03	Peak	9.24	9.63	10	Pass



4.19. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:165800, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:52, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
829	99	26	0.03	Peak	9.25	9.74	10	Pass



4.20. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:167300, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:52, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.03	Peak	9.25	9.7	10	Pass

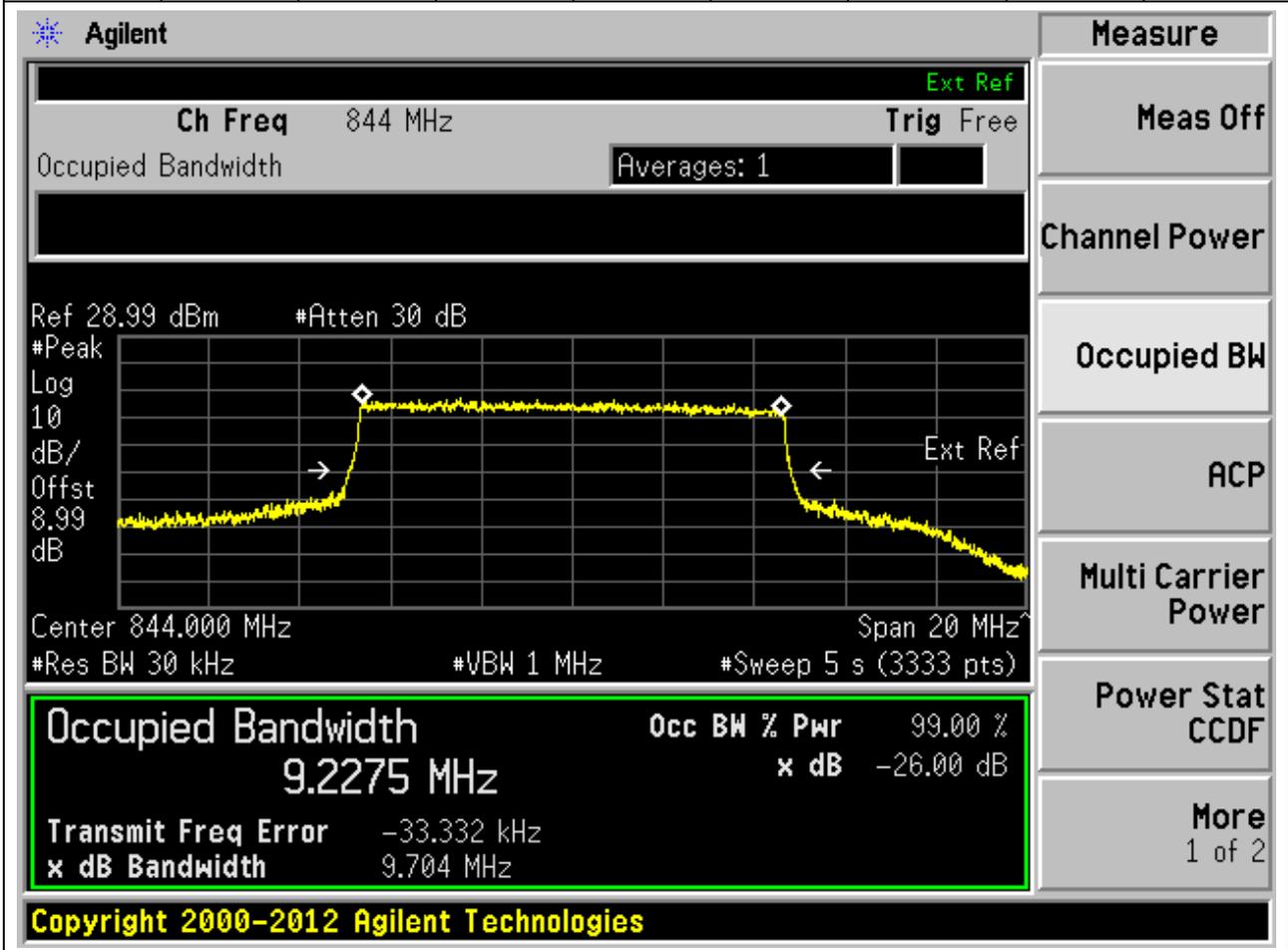
The screenshot displays the Agilent spectrum analyzer interface. The main display shows a yellow signal trace on a grid. The center frequency is 836.500 MHz and the span is 20 MHz. The occupied bandwidth is measured as 9.2509 MHz. The power is 99.00% and the XdB bandwidth is 9.704 MHz. The XdB down is -26.00 dB. The transmit frequency error is -9.231 kHz. The interface also shows various settings like Res BW (30 kHz), VBW (1 MHz), and Sweep (5 s).

Occupied Bandwidth	Occ BW % Pwr	x dB
9.2509 MHz	99.00 %	-26.00 dB

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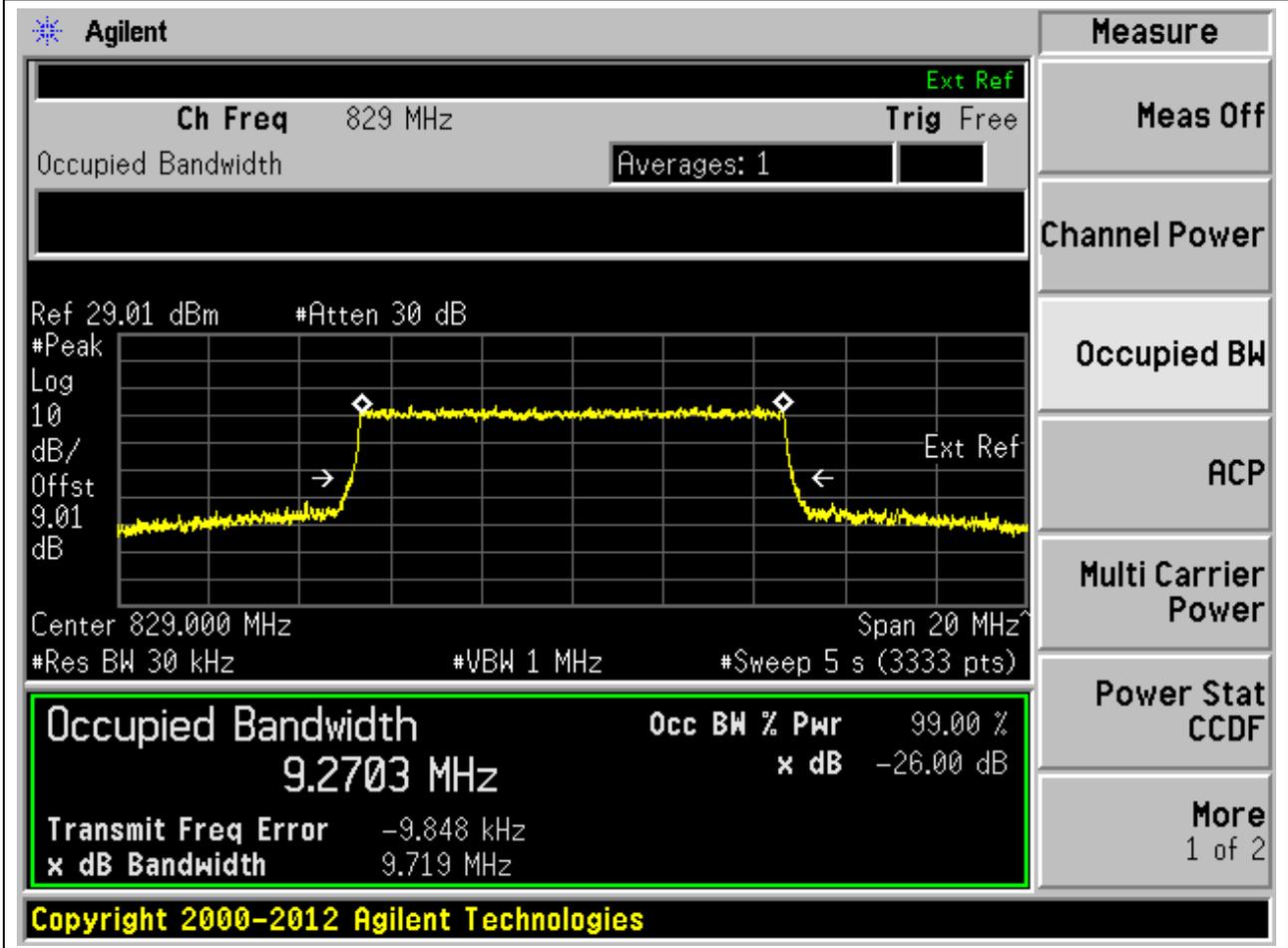
4.21. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:168800, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:52, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
844	99	26	0.03	Peak	9.23	9.7	10	Pass



4.22. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:165800, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:52, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
829	99	26	0.03	Peak	9.27	9.72	10	Pass



4.23. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:167300, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:52, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.03	Peak	9.27	9.72	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: 1

Ref 29 dBm
#Atten 30 dB

#Peak
Log
10
dB/
Offst
9
dB

Center 836.500 MHz
Span 20 MHz

#Res BW 30 kHz
#VBW 1 MHz
#Sweep 5 s (3333 pts)

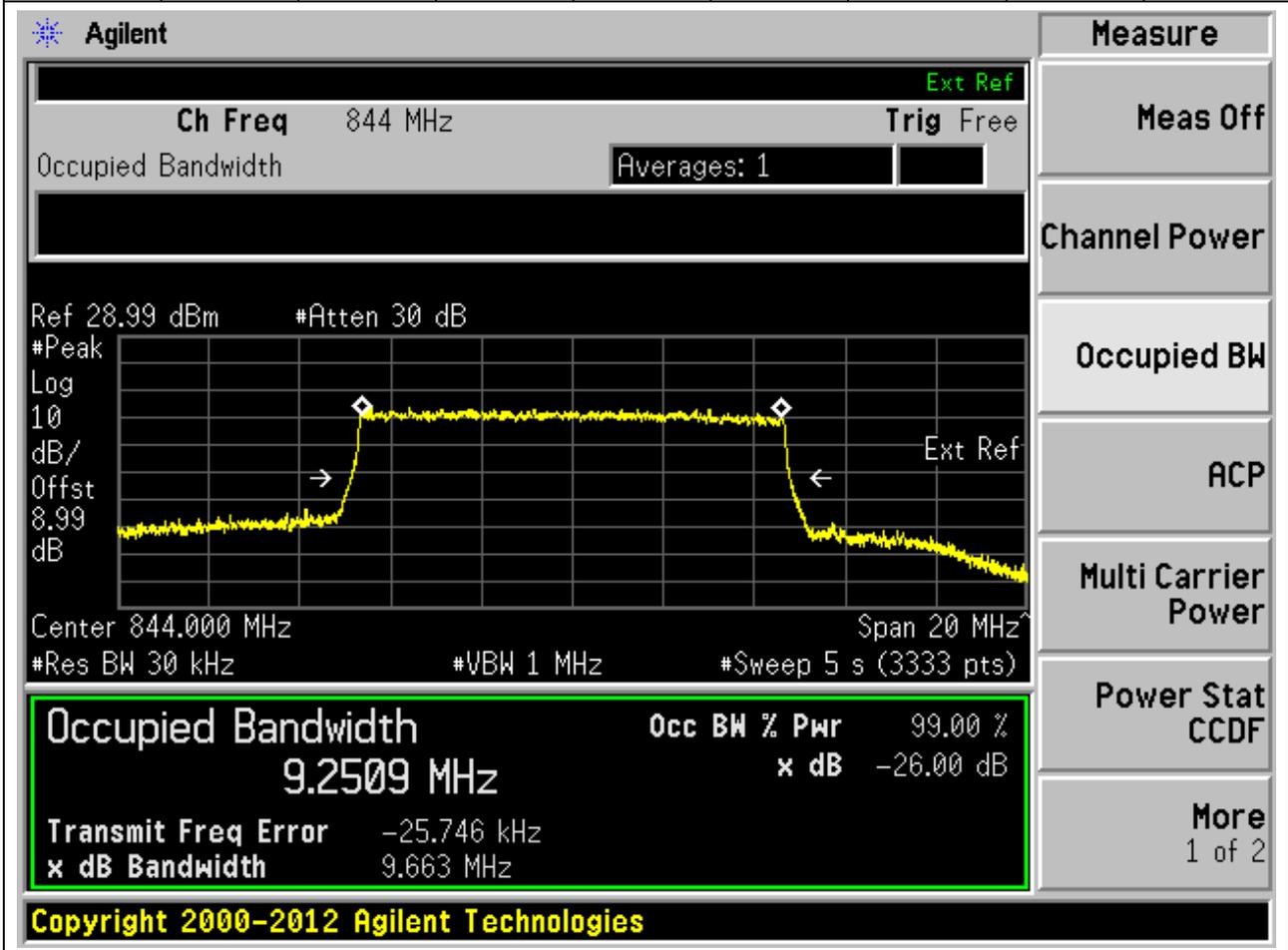
Occupied Bandwidth
9.2654 MHz
Transmit Freq Error
x dB Bandwidth -6.992 kHz
9.721 MHz

Occ BW % Pwr
99.00 %
x dB
-26.00 dB

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4.24. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:168800, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:52, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
844	99	26	0.03	Peak	9.25	9.66	10	Pass



4.25. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:166300, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:79, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
831.5	99	26	0.03	Peak	14.08	14.53	15	Pass

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

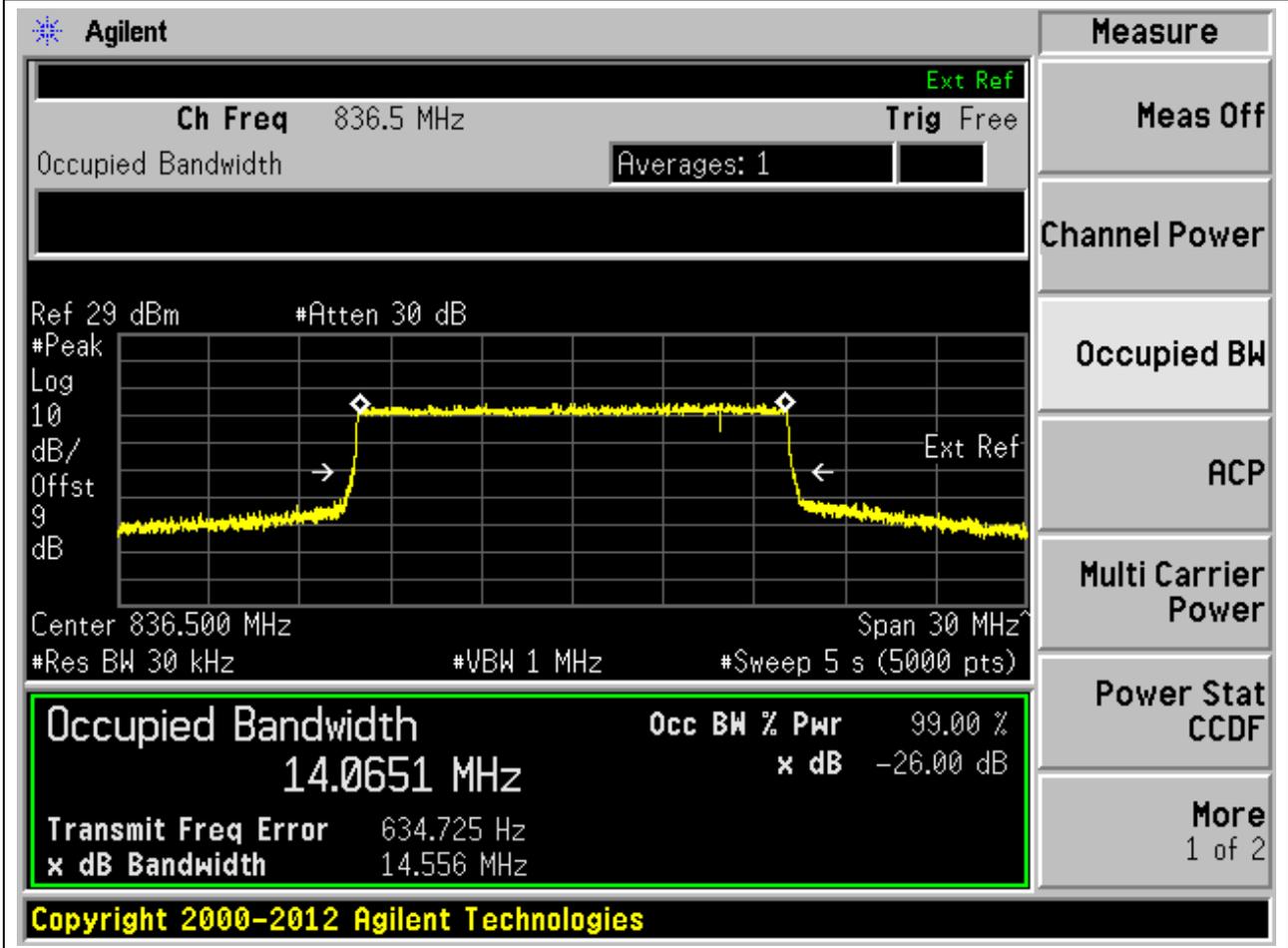
Measurement	Value
Occupied Bandwidth	14.0788 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-6.036 kHz
x dB Bandwidth	14.531 MHz

Other visible parameters include: Ch Freq 831.5 MHz, Trig Free, Averages: 1, Ref 29.01 dBm, #Atten 30 dB, #Peak Log 10 dB/Offst 9.01 dB, Center 831.500 MHz, Span 30 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 5 s (5000 pts).

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4.26. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:167300, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:79, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.03	Peak	14.07	14.56	15	Pass



4.27. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:168300, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:79, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
841.5	99	26	0.03	Peak	14.03	14.53	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 841.500 MHz, and the span is 30 MHz. The occupied bandwidth is measured as 14.0285 MHz. The power is 99.00% and the XdB bandwidth is 14.532 MHz. The XdB down is -26.00 dB. The transmit frequency error is -25.402 kHz. The interface also shows various settings like Res BW (30 kHz), VBW (1 MHz), and Sweep (5 s). A 'Measure' panel on the right lists various measurement options, with 'Occupied BW' selected. The bottom of the screen shows the copyright notice: Copyright 2000-2012 Agilent Technologies.

Occupied Bandwidth	Occ BW % Pwr	x dB
14.0285 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -25.402 kHz
x dB Bandwidth: 14.532 MHz

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4.28. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:166300, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:79, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
831.5	99	26	0.03	Peak	14.07	14.56	15	Pass

Agilent

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

Ch Freq 831.5 MHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 29.01 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 9.01 dB

Center 831.500 MHz Span 30 MHz

#Res BW 30 kHz #VBW 1 MHz #Sweep 5 s (5000 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
14.0695 MHz	x dB -26.00 dB
Transmit Freq Error -9.961 kHz	
x dB Bandwidth 14.561 MHz	

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4.29. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:167300, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:79, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.03	Peak	14.05	14.52	15	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: 1

Ref 29 dBm #Peak
#Atten 30 dB

Center 836.500 MHz
Span 30 MHz

#Res BW 30 kHz
#VBW 1 MHz
#Sweep 5 s (5000 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
14.0483 MHz	x dB	-26.00 dB
Transmit Freq Error	-7.187 kHz	
x dB Bandwidth	14.517 MHz	

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4.30. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:168300, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:79, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
841.5	99	26	0.03	Peak	14.01	14.51	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is 841.5 MHz. The main display shows a spectrum plot with a yellow trace. The plot parameters include: Ref 28.99 dBm, #Atten 30 dB, #Peak Log 10 dB/Offst 8.99 dB, Center 841.500 MHz, Span 30 MHz, #Res BW 30 kHz, #VBW 1 MHz, and #Sweep 5 s (5000 pts). A green box highlights the measurement results: Occupied Bandwidth 14.0109 MHz, Occ BW % Pwr 99.00 %, x dB -26.00 dB, Transmit Freq Error -36.077 kHz, and x dB Bandwidth 14.509 MHz. The right sidebar contains measurement options: Measure, Meas Off, Channel Power, Occupied BW, ACP, Multi Carrier Power, Power Stat CCDF, and More 1 of 2. The bottom of the screen shows the copyright notice: Copyright 2000-2012 Agilent Technologies.