

**5.16. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	8.99	10.69	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)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
8.9945 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	-5.047 kHz	
<b>x dB Bandwidth</b>	10.686 MHz	

**Power Stat**  
CCDF

**More**  
1 of 2

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5.17. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	8.99	11.52	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	8.9863 MHz	Occ BW % Pwr	99.00 %
		x dB	-26.00 dB
Transmit Freq Error	6.367 kHz		
x dB Bandwidth	11.519 MHz		

Power Stat  
CCDF

More  
1 of 2

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5.18. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	9.03	11.55	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	9.0329 MHz	Occ BW % Pwr	99.00 %
		x dB	-26.00 dB
Transmit Freq Error	13.530 kHz		
x dB Bandwidth	11.551 MHz		

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

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**5.19. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	13.52	16.34	15	Pass

Agilent

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

Ch Freq 2.5775 GHz Trig Free

Occupied Bandwidth Averages: 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 1 MHz #Sweep 10 s (500 pts)

<b>Occupied Bandwidth</b>	Occ BW % Pwr	99.00 %
13.5214 MHz	x dB	-26.00 dB
Transmit Freq Error		-3.145 kHz
x dB Bandwidth		16.341 MHz

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**5.20. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	13.47	14.75	15	Pass

Agilent
Measure

Ch Freq 2.5775 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 2.5775 GHz Span 30 MHz

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

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**Occupied Bandwidth**

**13.4663 MHz**

Transmit Freq Error 2.477 kHz

x dB Bandwidth 14.750 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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**5.21. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	13.51	17.63	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 1 MHz
#Sweep 10 s (500 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
13.5071 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	-9.526 kHz	
<b>x dB Bandwidth</b>	17.632 MHz	

Power Stat
CCDF

More
1 of 2

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5.22. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	13.52	16.35	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 1 MHz
#Sweep 10 s (500 pts)

Occupied Bandwidth	13.5169 MHz	Occ BW % Pwr	99.00 %
		x dB	-26.00 dB
Transmit Freq Error	-12.583 kHz		
x dB Bandwidth	16.346 MHz		

Power Stat	CCDF
More	
1 of 2	

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**5.23. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	13.46	14.75	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

Center 2.595 00 GHz Span 30 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
13.4622 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> -3.703 kHz	
<b>x dB Bandwidth</b> 14.753 MHz	

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**5.24. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	13.49	17.66	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

Center 2.595 00 GHz Span 30 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
13.4912 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	-14.337 kHz	
<b>x dB Bandwidth</b>	17.662 MHz	

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5.25. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	13.52	16.29	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 1 MHz
#Sweep 10 s (500 pts)

Occupied Bandwidth	13.5201 MHz	Occ BW % Pwr	99.00 %
		x dB	-26.00 dB
Transmit Freq Error	-11.647 kHz		
x dB Bandwidth	16.285 MHz		

Power Stat CCDF	More 1 of 2
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5.26. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	13.46	14.76	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 1 MHz
#Sweep 10 s (500 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
13.4602 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	-9.105 kHz	
<b>x dB Bandwidth</b>	14.757 MHz	

Power Stat

CCDF

More

1 of 2

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**5.27. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	13.52	17.86	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 1 MHz
#Sweep 10 s (500 pts)

Occupied Bandwidth	13.5205 MHz	Occ BW % Pwr	99.00 %
		x dB	-26.00 dB
Transmit Freq Error	-21.337 kHz		
x dB Bandwidth	17.864 MHz		

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

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5.28. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	18	22.77	20	Pass

Agilent

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

Ch Freq 2.58 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 2.580 00 GHz Span 40 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
17.9978 MHz	x dB	-26.00 dB
Transmit Freq Error	1.503 kHz	
x dB Bandwidth	22.769 MHz	

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**5.29. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	18	22.51	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 1.2 MHz
#Sweep 10 s (512 pts)

**Occupied Bandwidth**

**17.9962 MHz**

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error 4.173 kHz

x dB Bandwidth 22.507 MHz

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

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5.30. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	18	21.64	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 1.2 MHz
#Sweep 10 s (512 pts)

Occupied Bandwidth
Occ BW % Pwr 99.00 %

18.0041 MHz
x dB -26.00 dB

Transmit Freq Error -25.704 kHz

x dB Bandwidth 21.636 MHz

Power Stat
CCDF

More
1 of 2

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5.31. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	18.01	22.8	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 1.2 MHz
#Sweep 10 s (512 pts)

Occupied Bandwidth	18.0130 MHz	Occ BW % Pwr	99.00 %
		x dB	-26.00 dB
Transmit Freq Error	3.057 kHz		
x dB Bandwidth	22.798 MHz		

Power Stat
CCDF

More  
 1 of 2

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5.32. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	17.99	20.75	20	Pass

Agilent

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

Ch Freq 2.595 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 2.595 00 GHz Span 40 MHz

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

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

17.9857 MHz

x dB -26.00 dB

Transmit Freq Error -4.708 kHz

x dB Bandwidth 20.751 MHz

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5.33. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	18	21.58	20	Pass

Agilent

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

Ch Freq 2.595 GHz Trig Free

Occupied Bandwidth Averages: 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 1.2 MHz #Sweep 10 s (512 pts)

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

**18.0003 MHz** x dB -26.00 dB

Transmit Freq Error -14.494 kHz

x dB Bandwidth 21.579 MHz

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5.34. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	18.01	22.9	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 1.2 MHz
#Sweep 10 s (512 pts)

Occupied Bandwidth	18.0136 MHz	Occ BW % Pwr	99.00 %
		x dB	-26.00 dB
Transmit Freq Error	442.337 Hz		
x dB Bandwidth	22.899 MHz		

	Power Stat CCDF
	More 1 of 2

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5.35. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	17.99	20.75	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 1.2 MHz
#Sweep 10 s (512 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
17.9928 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	3.192 kHz	
<b>x dB Bandwidth</b>	20.749 MHz	

Power Stat
CCDF

More
1 of 2

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5.36. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	17.99	21.57	20	Pass

Agilent

Measure

Ch Freq 2.61 GHz

Trig Free

Occupied Bandwidth

Averages: 2

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

#Atten 30 dB

Center 2.610 00 GHz
Span 40 MHz

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

**Occupied Bandwidth**

**17.9927 MHz**

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -27.493 kHz

x dB Bandwidth 21.566 MHz

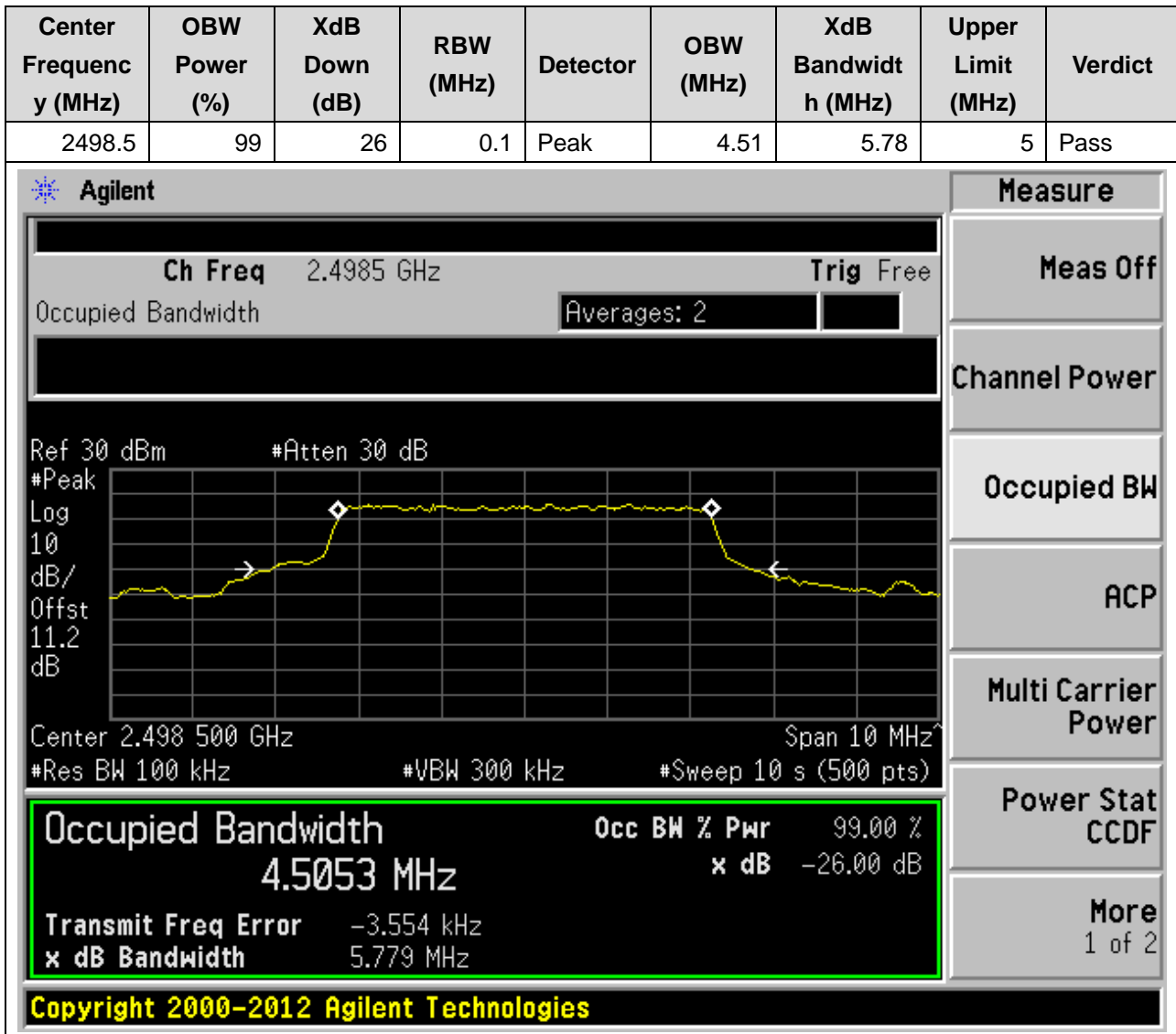
Power Stat  
CCDF

More  
1 of 2

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## 6. LTE\_Band41 full

### 6.1. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(NTNV)(Channel:39675, Bandwidth:5, Modulation:QPSK, RB Number:25, RB Position:0)



6.2. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	5.24	5	Pass

Agilent
Measure

Ch Freq 2.4985 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.2 dB

Center 2.498 500 GHz Span 10 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
4.5019 MHz	x dB	-26.00 dB
<b>Transmit Freq Error</b>	-383.281 Hz	
<b>x dB Bandwidth</b>	5.239 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

**6.3. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	4.51	5.41	5	Pass

Agilent

Measure

Ch Freq 2.4985 GHz
Trig Free

Occupied Bandwidth

Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
11.2

dB

Center 2.498 500 GHz
Span 10 MHz

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

**Occupied Bandwidth**

**4.5059 MHz**

**Occ BW % Pwr** 99.00 %

**x dB** -26.00 dB

**Transmit Freq Error** 1.341 kHz

**x dB Bandwidth** 5.409 MHz

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
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**6.4. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	5.82	5	Pass

Agilent

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

Ch Freq 2.593 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.3 dB

Center 2.593 000 GHz Span 10 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
4.5129 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	-7.239 kHz	
<b>x dB Bandwidth</b>	5.818 MHz	

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**6.5. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	5.26	5	Pass

Agilent

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

Ch Freq 2.593 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 2.593 000 GHz Span 10 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
4.5015 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	-2.697 kHz	
<b>x dB Bandwidth</b>	5.264 MHz	

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6.6. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	5.41	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)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

Occupied Bandwidth

4.5030 MHz

Transmit Freq Error 1.152 kHz

x dB Bandwidth 5.406 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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6.7. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	5.81	5	Pass

Agilent

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

Ch Freq 2.6875 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 2.687 500 GHz Span 10 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
4.5115 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	-10.079 kHz	
<b>x dB Bandwidth</b>	5.809 MHz	

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**6.8. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	5.26	5	Pass

Agilent
Measure

Ch Freq 2.6875 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 2.687 500 GHz Span 10 MHz

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

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.5010 MHz	x dB	-26.00 dB
Transmit Freq Error	-4.060 kHz	
x dB Bandwidth	5.261 MHz	

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**6.9. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	5.4	5	Pass

Agilent

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

Ch Freq 2.6875 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

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 -2.432 kHz

x dB Bandwidth 5.395 MHz

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**6.10. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	10.63	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)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
8.9963 MHz	x dB	-26.00 dB
Transmit Freq Error	1.938 kHz	
x dB Bandwidth	10.634 MHz	

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

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6.11. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	8.99	11.58	10	Pass

Agilent
Measure

Ch Freq 2.501 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 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**

**8.9912 MHz**

Transmit Freq Error 11.975 kHz

x dB Bandwidth 11.579 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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6.12. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	9.04	11.96	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)

Occupied Bandwidth	9.0405 MHz	Occ BW % Pwr	99.00 %
		x dB	-26.00 dB
Transmit Freq Error	30.044 kHz		
x dB Bandwidth	11.961 MHz		

Power Stat	CCDF
More	1 of 2

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**6.13. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	10.76	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**

**8.9980 MHz**

Transmit Freq Error -9.997 kHz

x dB Bandwidth 10.759 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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6.14. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	8.99	11.6	10	Pass

Agilent

**Measure**

Ch Freq 2.593 GHz
Trig Free

Occupied Bandwidth

Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
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**

**8.9876 MHz**

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error 5.845 kHz

x dB Bandwidth 11.604 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

6.15. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	9.04	11.64	10	Pass

Agilent
Measure

Ch Freq 2.593 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 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

9.0449 MHz

Transmit Freq Error 15.740 kHz

x dB Bandwidth 11.638 MHz

Occ BW % Pwr

99.00 %

x dB

-26.00 dB

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More

1 of 2

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**6.16. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	8.99	10.74	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)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
8.9938 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	-11.050 kHz	
<b>x dB Bandwidth</b>	10.740 MHz	

Power Stat
CCDF

More
1 of 2

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6.17. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	8.99	11.52	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

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 %

8.9888 MHz

x dB -26.00 dB

Transmit Freq Error -3.500 kHz

x dB Bandwidth 11.522 MHz

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6.18. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	9.04	11.6	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)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
9.0396 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	5.816 kHz	
<b>x dB Bandwidth</b>	11.599 MHz	

Power Stat

CCDF

More

1 of 2

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**6.19. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	13.52	16.27	15	Pass

Agilent

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

Ch Freq 2.5035 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 2.50350 GHz Span 30 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
13.5178 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	10.203 kHz	
<b>x dB Bandwidth</b>	16.272 MHz	

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**6.20. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	14.74	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 2.5035 GHz
Span 30 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
13.4779 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	5.926 kHz	
<b>x dB Bandwidth</b>	14.738 MHz	

Power Stat
CCDF

More
1 of 2

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6.21. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	13.5	17.59	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 1 MHz
#Sweep 10 s (500 pts)

Occupied Bandwidth	13.5017 MHz	Occ BW % Pwr	99.00 %
		x dB	-26.00 dB
Transmit Freq Error	8.194 kHz		
x dB Bandwidth	17.593 MHz		

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

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6.22. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	16.26	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 1 MHz
#Sweep 10 s (500 pts)

Occupied Bandwidth	13.5058 MHz	Occ BW % Pwr	99.00 %
		x dB	-26.00 dB
Transmit Freq Error	-8.874 kHz		
x dB Bandwidth	16.260 MHz		

Power Stat
CCDF
More
1 of 2

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6.23. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	13.46	14.75	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 1 MHz
#Sweep 10 s (500 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
13.4614 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	-7.638 kHz	
<b>x dB Bandwidth</b>	14.748 MHz	

**Meas Off**

**Channel Power**

**Occupied BW**

**ACP**

**Multi Carrier Power**

**Power Stat CCDF**

**More**

1 of 2

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6.24. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	13.5	17.66	15	Pass

Agilent

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

Ch Freq 2.593 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 2.593 00 GHz Span 30 MHz

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

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

**13.5030 MHz** x dB -26.00 dB

Transmit Freq Error -14.222 kHz

x dB Bandwidth 17.662 MHz

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6.25. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	13.52	16.21	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 1 MHz
#Sweep 10 s (500 pts)

Occupied Bandwidth	13.5161 MHz	Occ BW % Pwr	99.00 %
		x dB	-26.00 dB
Transmit Freq Error	-27.498 kHz		
x dB Bandwidth	16.210 MHz		

Power Stat	CCDF
More	
1 of 2	

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6.26. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	13.47	14.74	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 1 MHz #Sweep 10 s (500 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
13.4664 MHz	x dB	-26.00 dB
<b>Transmit Freq Error</b>		-25.272 kHz
<b>x dB Bandwidth</b>		14.744 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More

1 of 2

6.27. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	13.49	17.46	15	Pass

Agilent

Measure

**Ch Freq** 2.6825 GHz **Trig** Free

Occupied Bandwidth Averages: 2

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

Ref 30 dBm #Atten 30 dB

#Peak  
Log 10 dB/Offst 11.4 dB  
Center 2.682 50 GHz Span 30 MHz  
#Res BW 300 kHz #VBW 1 MHz #Sweep 10 s (500 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
13.4903 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	-31.307 kHz	
<b>x dB Bandwidth</b>	17.460 MHz	

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6.28. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	17.97	21.87	20	Pass

Agilent

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

Ch Freq 2.506 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.2 dB

Center 2.506 00 GHz Span 40 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
17.9664 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	24.793 kHz	
<b>x dB Bandwidth</b>	21.866 MHz	

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**6.29. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	17.98	21.76	20	Pass

Agilent

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

Ch Freq 2.506 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 2.506 00 GHz Span 40 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
17.9779 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	13.515 kHz	
<b>x dB Bandwidth</b>	21.764 MHz	

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**6.30. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	17.98	21.39	20	Pass

Agilent

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

Ch Freq 2.506 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 2.506 00 GHz Span 40 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
17.9791 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	-4.567 kHz	
<b>x dB Bandwidth</b>	21.391 MHz	

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6.31. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	18.01	22.43	20	Pass

Agilent

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

Ch Freq 2.593 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 2.593 00 GHz Span 40 MHz

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

<b>Occupied Bandwidth</b>	Occ BW % Pwr	99.00 %
18.0070 MHz	x dB	-26.00 dB
Transmit Freq Error	1.658 kHz	
x dB Bandwidth	22.429 MHz	

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6.32. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	17.98	20.72	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 1.2 MHz
#Sweep 10 s (512 pts)

Occupied Bandwidth
Occ BW % Pwr 99.00 %

17.9789 MHz
x dB -26.00 dB

Transmit Freq Error -8.762 kHz

x dB Bandwidth 20.720 MHz

Power Stat
CCDF

More
1 of 2

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6.33. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	18	21.57	20	Pass

Agilent
Measure

Ch Freq 2.593 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 2.593 00 GHz Span 40 MHz

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

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**Occupied Bandwidth**

**17.9968 MHz**

Transmit Freq Error -30.524 kHz

x dB Bandwidth 21.566 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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6.34. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	18	22.4	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.68 GHz, and the span is 40 MHz. The occupied bandwidth is measured as 18.0030 MHz, which is 99.00% of the 20 MHz channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -38.921 kHz, and the x dB bandwidth is 22.398 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 %
18.0030 MHz	x dB	-26.00 dB
Transmit Freq Error	-38.921 kHz	
x dB Bandwidth	22.398 MHz	

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6.35. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	17.97	20.41	20	Pass

Agilent
Measure

Ch Freq 2.68 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 2.680 00 GHz Span 40 MHz

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

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

**Occupied Bandwidth**

**17.9703 MHz**

Transmit Freq Error -37.662 kHz

x dB Bandwidth 20.406 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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6.36. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	18	21.55	20	Pass

Agilent
Measure

Ch Freq 2.68 GHz Trig Free

Occupied Bandwidth Averages: 2

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

Ref 30 dBm #Atten 30 dB

Center 2.680 00 GHz Span 40 MHz

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

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

17.9971 MHz

x dB -26.00 dB

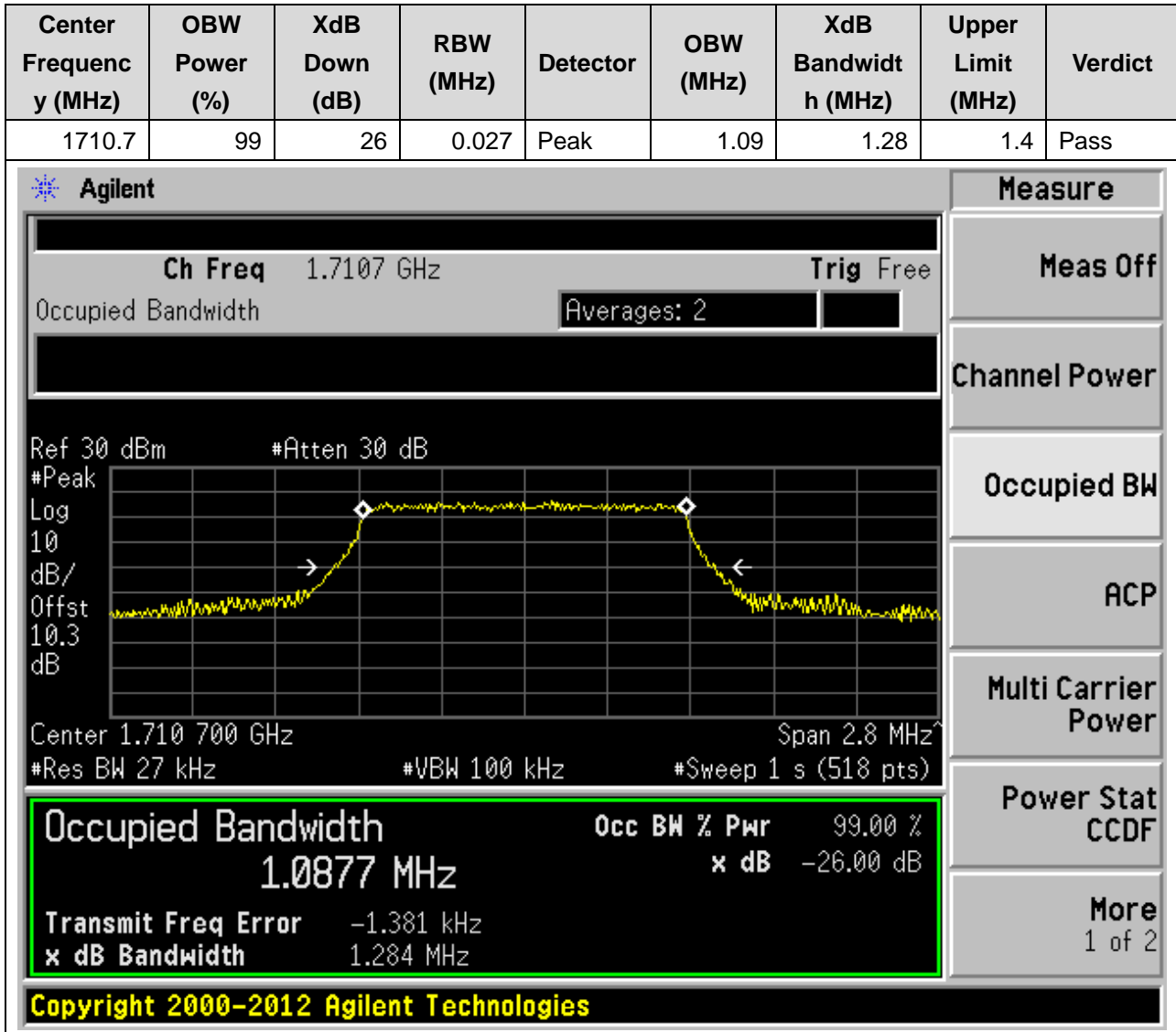
Transmit Freq Error -54.683 kHz

x dB Bandwidth 21.553 MHz

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## 4. LTE\_Band66

### 4.1. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(NTNV)(Channel:131979, Bandwidth:1.4, Modulation:QPSK, RB Number:6, RB Position:0)



4.2. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	1.27	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)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**Occupied Bandwidth**

**1.0887 MHz**

Transmit Freq Error 3.000 kHz

x dB Bandwidth 1.268 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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**4.3. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	1.28	1.4	Pass

Agilent

**Measure**

Ch Freq 1.7107 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm #Atten 30 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 %
1.0884 MHz	x dB	-26.00 dB
Transmit Freq Error	765.803 Hz	
x dB Bandwidth	1.282 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

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4.4. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	1.27	1.4	Pass

Agilent

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

Ch Freq 1.745 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 1.745 000 GHz Span 2.8 MHz

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

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

1.0857 MHz

x dB -26.00 dB

Transmit Freq Error -1.178 kHz

x dB Bandwidth 1.268 MHz

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**4.5. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	1.27	1.4	Pass

Agilent

**Measure**

Ch Freq 1.745 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm #Atten 30 dB

Center 1.745 000 GHz Span 2.8 MHz

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

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

1.0866 MHz

x dB      -26.00 dB

Transmit Freq Error      3.209 kHz

x dB Bandwidth      1.269 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

**4.6. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	1.27	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)

**Occupied Bandwidth**

**1.0876 MHz**

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error 469.595 Hz

x dB Bandwidth 1.275 MHz

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

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4.7. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	1.09	1.27	1.4	Pass

Agilent

Measure

Ch Freq 1.7793 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm #Atten 30 dB

Center 1.779 300 GHz Span 2.8 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
1.0886 MHz	x dB	-26.00 dB
Transmit Freq Error	-1.425 kHz	
x dB Bandwidth	1.268 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

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4.8. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	1.27	1.4	Pass

Agilent

**Measure**

Ch Freq 1.7793 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
1.0900 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	2.342 kHz	
<b>x dB Bandwidth</b>	1.273 MHz	

Power Stat
CCDF

More
1 of 2

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4.9. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	1.28	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)

**Occupied Bandwidth**

**1.0879 MHz**

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error 842.325 Hz

x dB Bandwidth 1.278 MHz

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Meas Off

Channel Power

Occupied BW

ACP

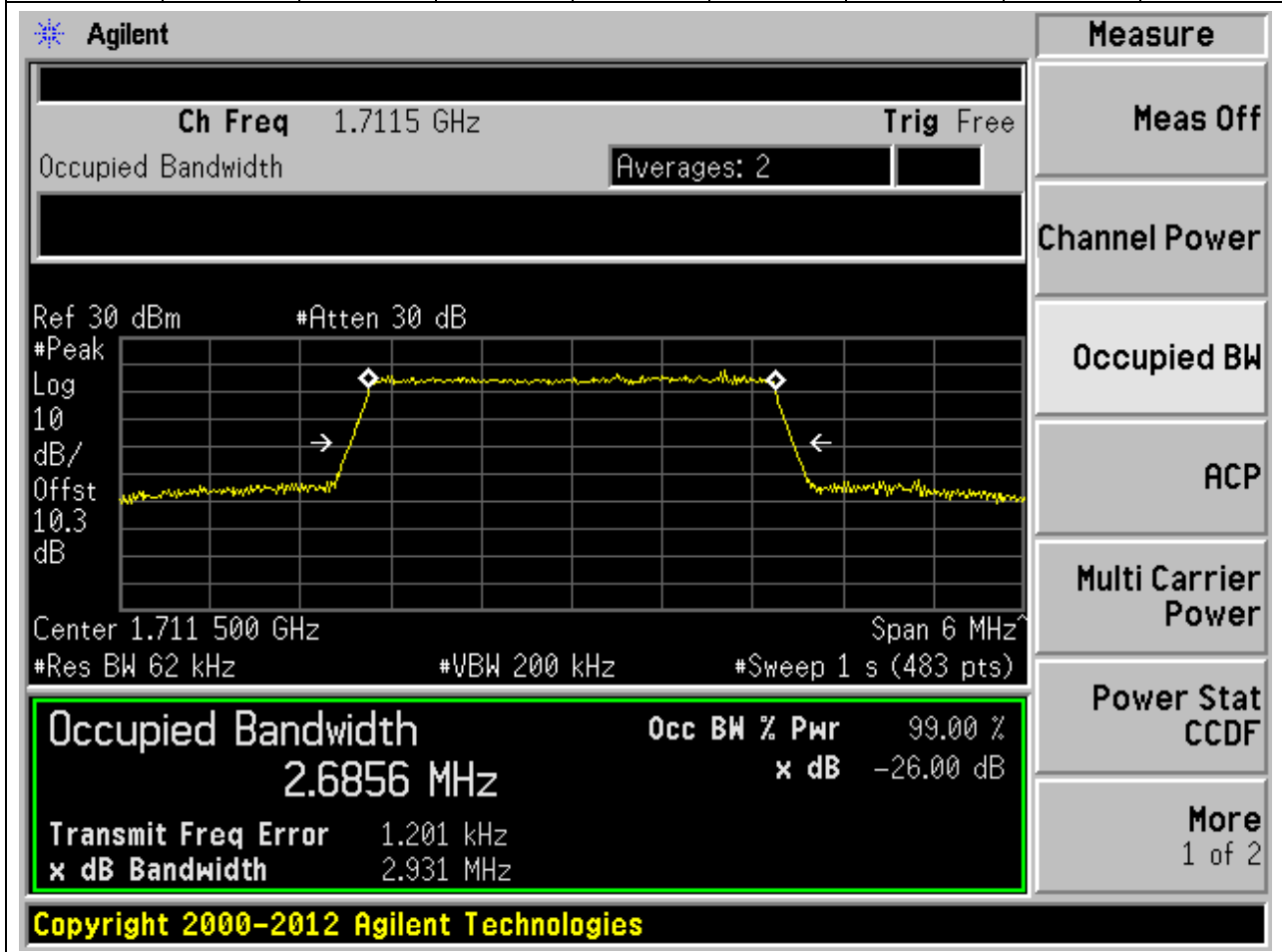
Multi Carrier Power

Power Stat CCDF

More  
1 of 2

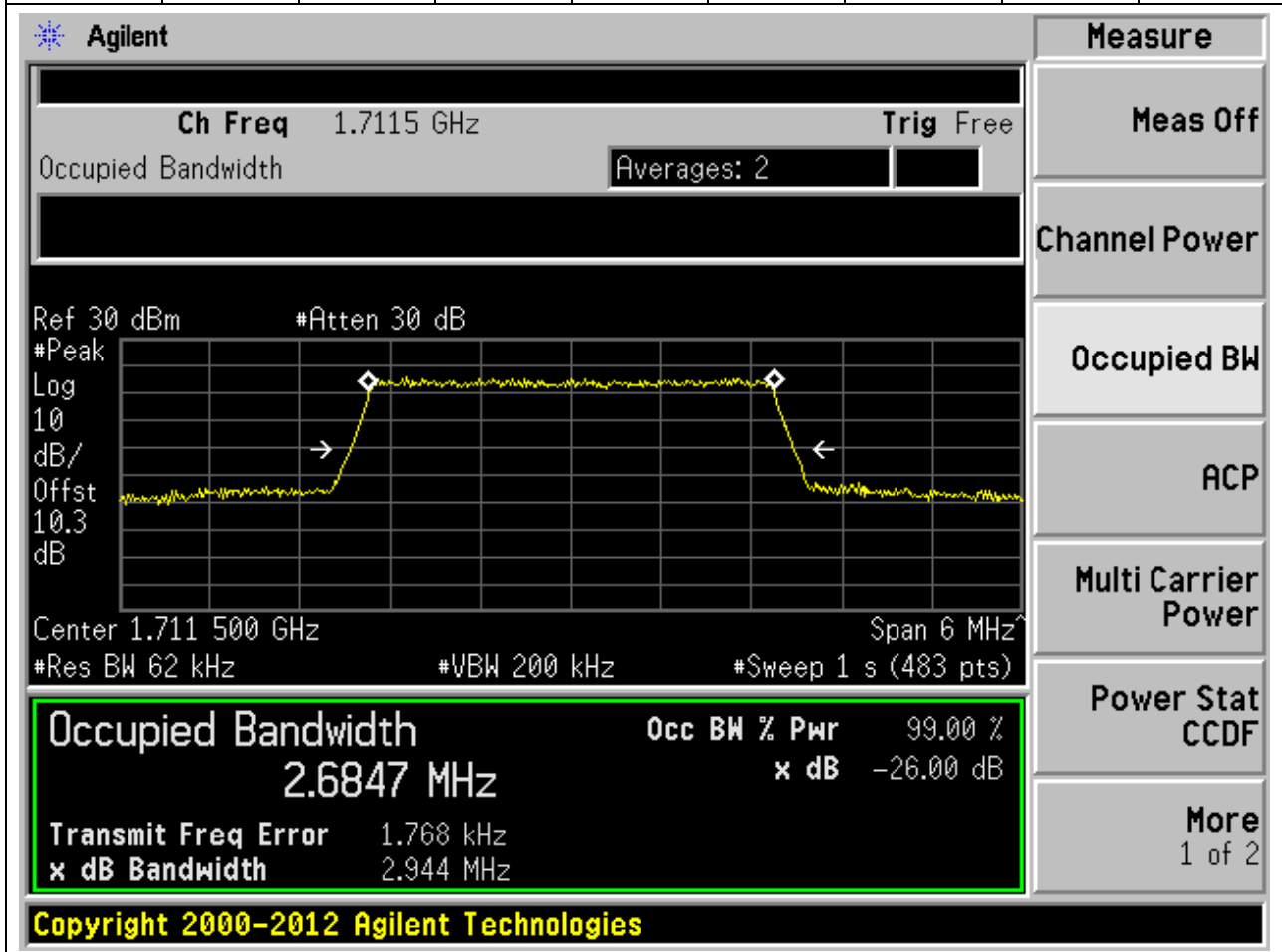
**4.10. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(NTNV)(Channel:131987, Bandwidth:3, Modulation:QPSK, RB Number:15, RB Position:0)**

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	2.93	3	Pass



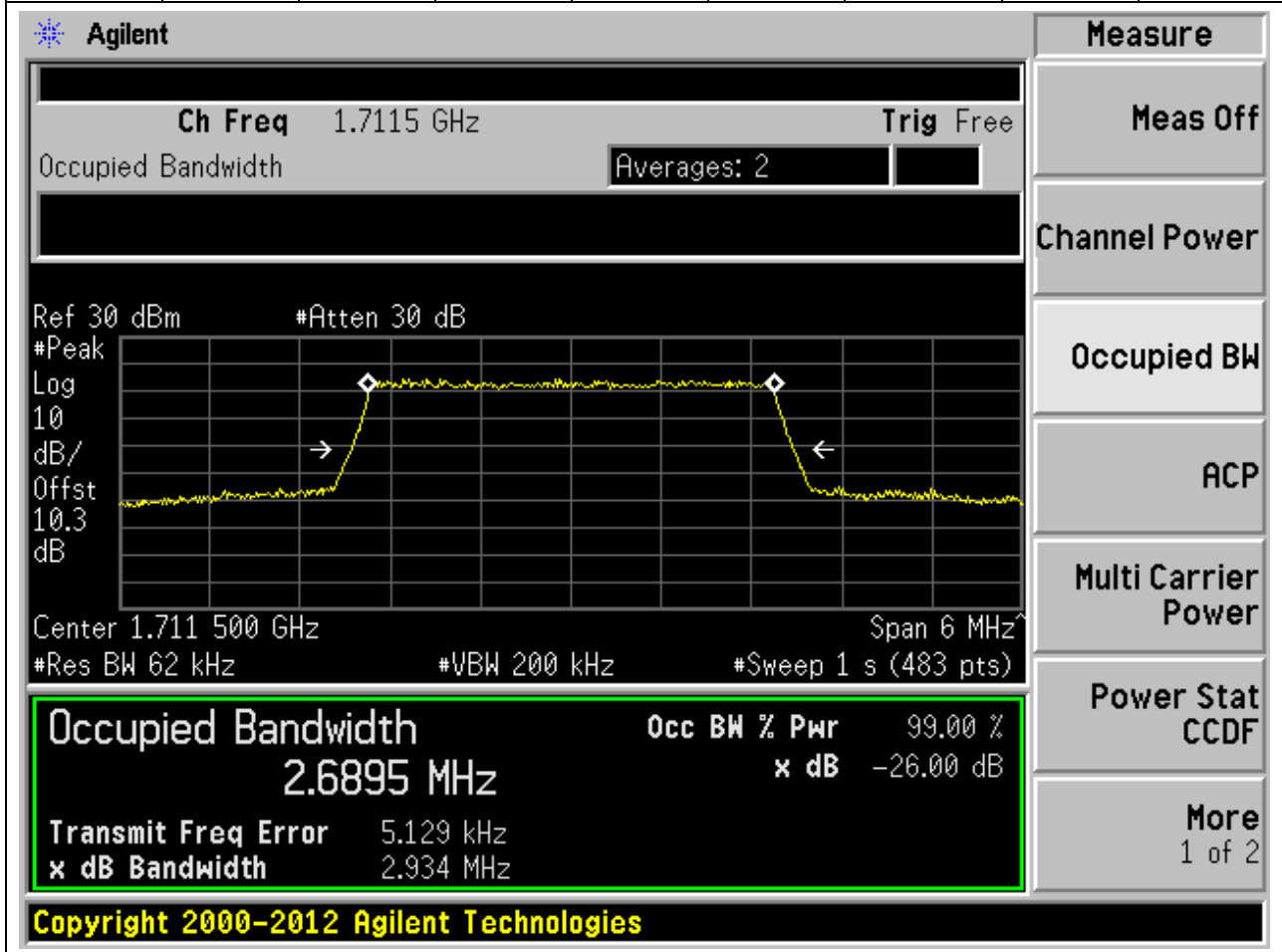
**4.11. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(NTNV)(Channel:131987, Bandwidth:3, Modulation:16QAM, RB Number:15, RB Position:0)**

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	2.68	2.94	3	Pass



**4.12. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	2.93	3	Pass



**4.13. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	2.68	2.93	3	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The center frequency is 1.745 GHz, and the span is 6 MHz. The occupied bandwidth is highlighted in a green box, showing a value of 2.6838 MHz. The power is 99.00% and the XdB down is -26.00 dB. The interface also shows various measurement settings and a list of available measurement functions on the right side.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
2.6838 MHz	x dB	-26.00 dB
Transmit Freq Error	-1.149 kHz	
x dB Bandwidth	2.928 MHz	

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**4.14. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	2.94	3	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 has a grid and is labeled with 'Ref 30 dBm', '#Peak Log', '10 dB/Offst', and '10.3 dB'. The plot shows a signal with a peak at approximately 1.745 GHz. Below the plot, the following parameters are displayed: 'Center 1.745 000 GHz', 'Span 6 MHz', '#Res BW 62 kHz', '#VBW 200 kHz', and '#Sweep 1 s (483 pts)'. A green box highlights the 'Occupied Bandwidth' measurement results: 'Occupied Bandwidth 2.6855 MHz', 'Occ BW % Pwr 99.00 %', and 'x dB -26.00 dB'. Other parameters shown include 'Transmit Freq Error 1.872 kHz' and 'x dB Bandwidth 2.944 MHz'. On the right side, there is a 'Measure' menu with options: 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. At the bottom, the copyright notice 'Copyright 2000-2012 Agilent Technologies' is visible.

**4.15. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	2.92	3	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The center frequency is 1.745 GHz, and the span is 6 MHz. The occupied bandwidth is measured as 2.6879 MHz, which is 99.00% of the power. The XdB down is -26.00 dB. The transmit frequency error is 1.990 kHz, and the XdB bandwidth is 2.918 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
2.6879 MHz	99.00 %	-26.00 dB

Transmit Freq Error: 1.990 kHz  
x dB Bandwidth: 2.918 MHz

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**4.16. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	2.68	2.93	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 1.7785 GHz. The occupied bandwidth is highlighted in a green box with the following values:

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
<b>2.6833 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		-832.062 Hz
<b>x dB Bandwidth</b>		2.926 MHz

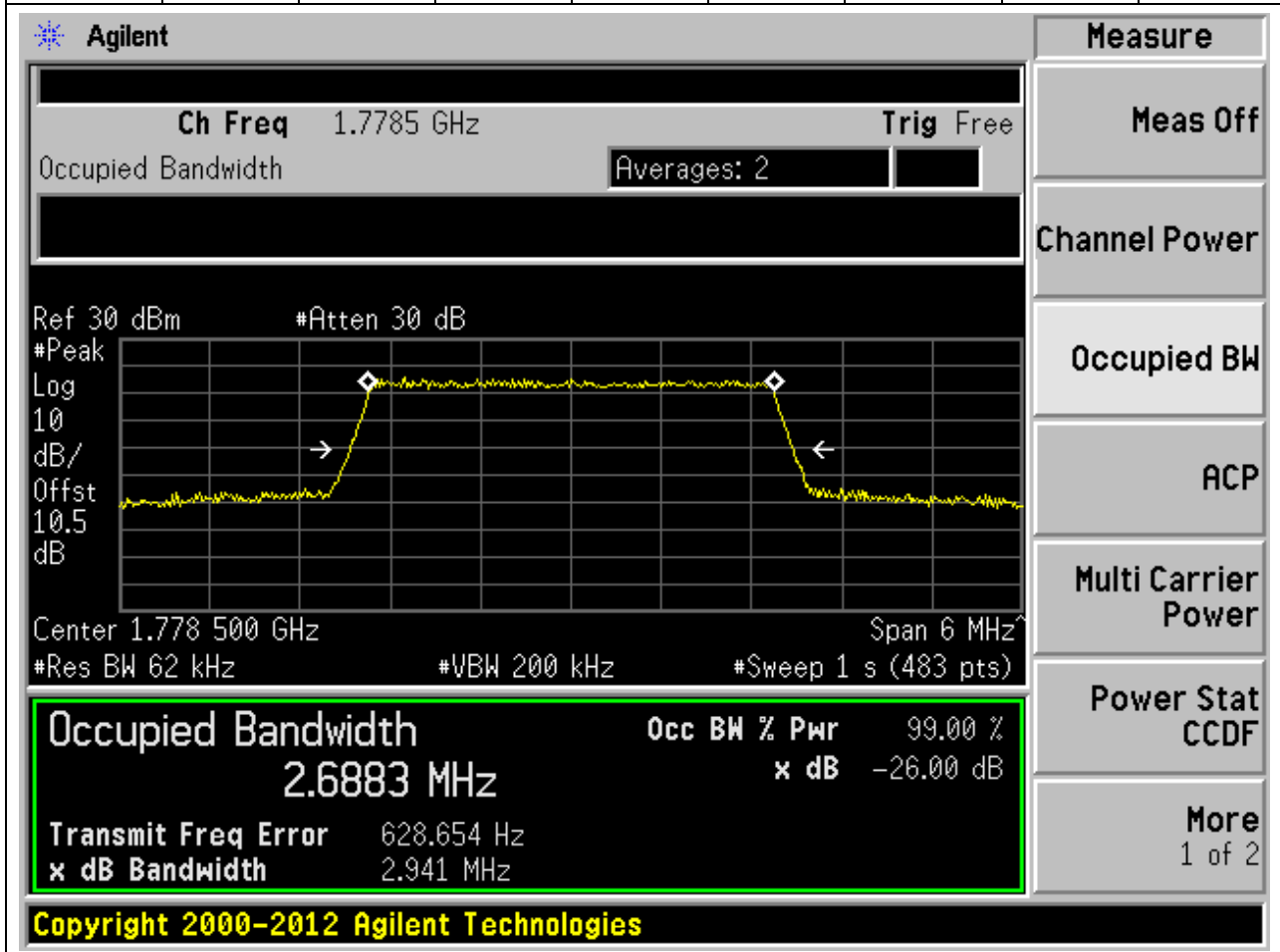
Other visible parameters include: Ch Freq 1.7785 GHz, Trig Free, Averages: 2, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 10.5 dB, Center 1.778 500 GHz, Span 6 MHz, #Res BW 62 kHz, #VBW 200 kHz, #Sweep 1 s (483 pts).

On the right side, the Measure menu is open, showing options: Meas Off, Channel Power, Occupied BW (selected), ACP, Multi Carrier Power, Power Stat CCDF, and More 1 of 2.

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**4.17. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	2.94	3	Pass



**4.18. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	2.92	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 1.7785 GHz. The occupied bandwidth is highlighted with a green box, showing a value of 2.6899 MHz. The power is 99.00% and the XdB down is -26.00 dB. The interface also shows various measurement parameters like Res BW, VBW, and Sweep time.

Occupied Bandwidth	Occ BW % Pwr	x dB
2.6899 MHz	99.00 %	-26.00 dB

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**4.19. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	4.48	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)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
4.4850 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> -511.871 Hz	
<b>x dB Bandwidth</b> 4.963 MHz	

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**4.20. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	4.98	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)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
4.4792 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> 199.910 Hz	
<b>x dB Bandwidth</b> 4.978 MHz	

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

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**4.21. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	4.49	4.95	5	Pass

**Agilent**

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)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
4.4881 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	-3.658 kHz	
<b>x dB Bandwidth</b>	4.947 MHz	

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**4.22. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	4.48	4.97	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The center frequency is 1.745 GHz, and the span is 10 MHz. The occupied bandwidth is highlighted in a green box, showing a value of 4.4834 MHz. The power is 99.00% and the XdB bandwidth is 4.971 MHz. The XdB down is -26.00 dB. The transmit frequency error is -1.048 kHz. The interface also shows various measurement settings like Res BW, VBW, and Sweep.

Occupied Bandwidth	Occ BW % Pwr	x dB
4.4834 MHz	99.00 %	-26.00 dB

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**4.23. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	4.48	4.96	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The center frequency is 1.745 GHz, and the span is 10 MHz. The occupied bandwidth is highlighted in green, showing a value of 4.4811 MHz. The power is 99.00% and the XdB down is -26.00 dB. The interface includes various measurement buttons on the right side, such as 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
4.4811 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -2.772 kHz  
x dB Bandwidth: 4.957 MHz



**4.24. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	4.49	4.95	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	4.4900 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-5.776 kHz
x dB Bandwidth	4.949 MHz

Additional parameters shown in the interface 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 10 MHz, #Res BW 100 kHz, #VBW 300 kHz, #Sweep 1 s (500 pts).

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**4.25. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	4.48	4.97	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)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**Occupied Bandwidth**

**4.4822 MHz**

Transmit Freq Error -2.819 kHz

x dB Bandwidth 4.970 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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**4.26. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	4.48	4.97	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 1.7775 GHz, and the span is 10 MHz. The occupied bandwidth is highlighted in a green box with the following values:

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
<b>4.4753 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	783.593 Hz	
<b>x dB Bandwidth</b>	4.966 MHz	

Additional parameters shown in the interface include: Ch Freq 1.7775 GHz, Trig Free, 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).

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

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**4.27. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	4.94	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)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
4.4888 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> -4.771 kHz	
<b>x dB Bandwidth</b> 4.944 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

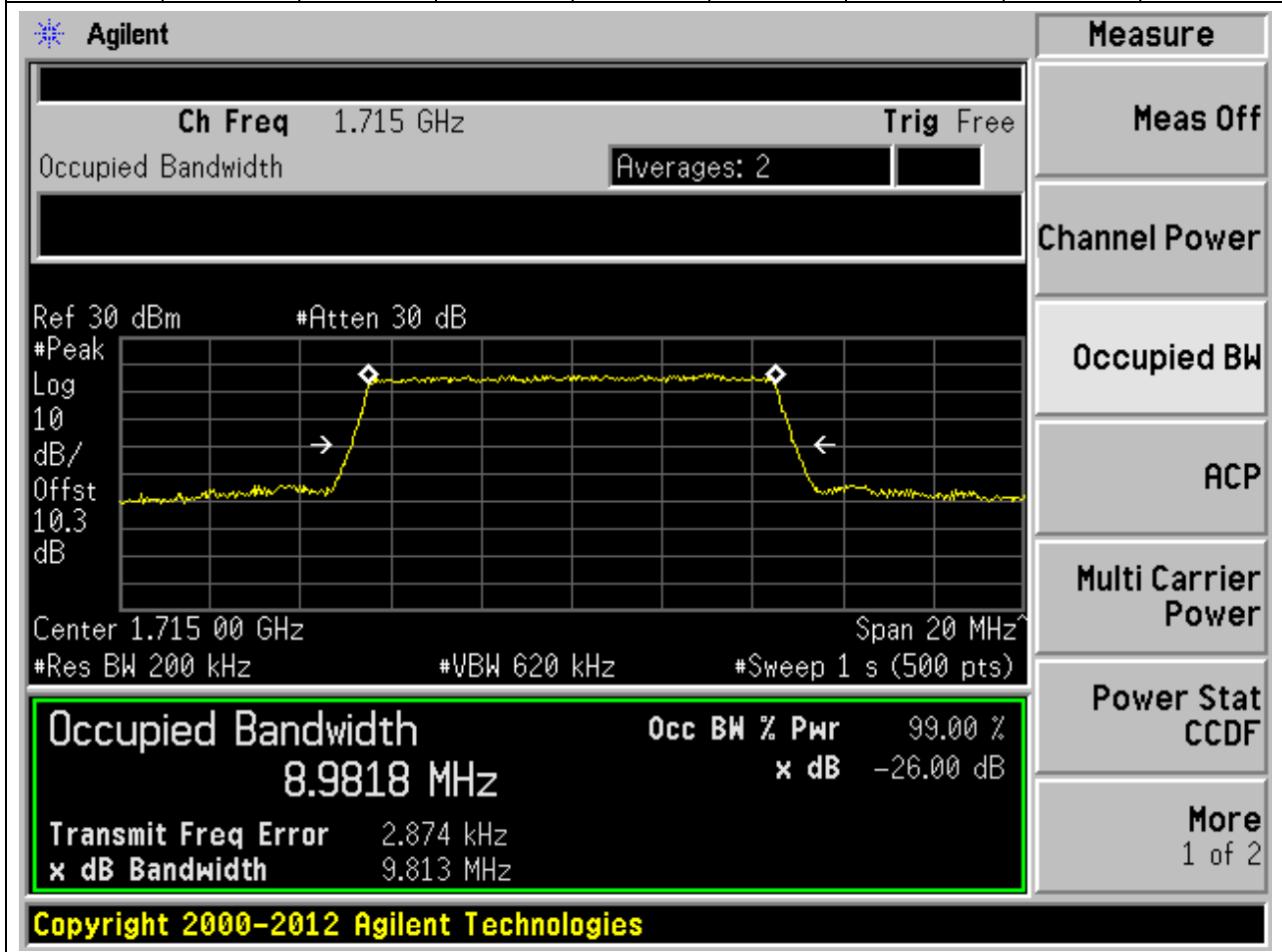
Power Stat CCDF

More  
1 of 2

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**4.28. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	8.98	9.81	10	Pass



**4.29. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	8.93	9.73	10	Pass

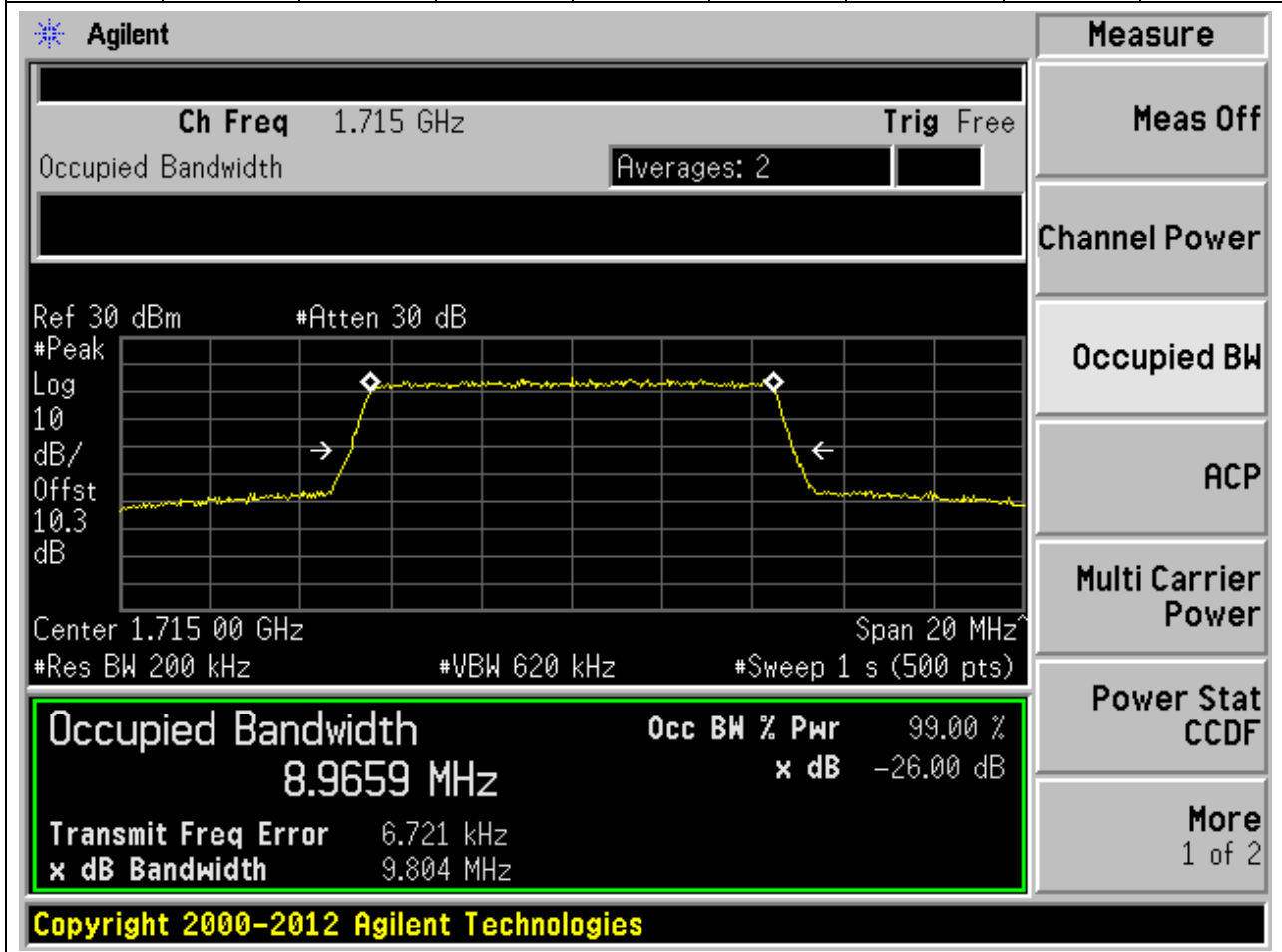
The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 1.715 GHz' and 'Trig Free'. The main display area shows a spectrum plot with a yellow trace. The plot parameters are: Ref 30 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst, 10.3 dB, Center 1.715 00 GHz, Span 20 MHz, #Res BW 200 kHz, #VBW 620 kHz, #Sweep 1 s (500 pts). A green box highlights the measurement results:

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
<b>8.9306 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		11.784 kHz
<b>x dB Bandwidth</b>		9.731 MHz

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

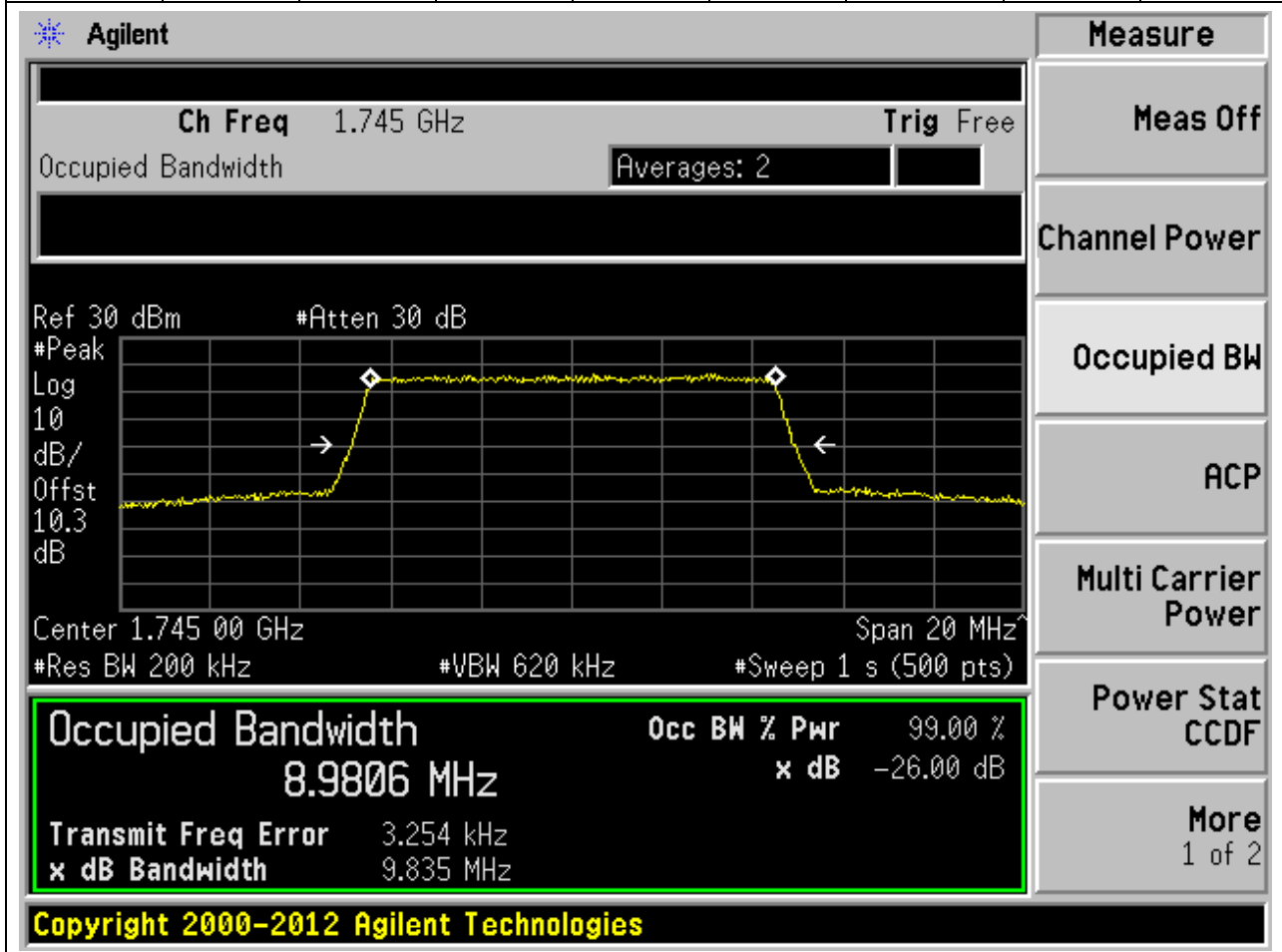
**4.30. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(NTNV)(Channel:132022, Bandwidth:10, Modulation:64QAM, RB Number:50, RB Position:0)**

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	8.97	9.8	10	Pass



**4.31. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	9.84	10	Pass





**4.32. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	9.73	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 %

**8.9470 MHz** x dB -26.00 dB

Transmit Freq Error 5.599 kHz

x dB Bandwidth 9.734 MHz

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**4.33. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(NTNV)(Channel:132322, Bandwidth:10, Modulation:64QAM, RB Number:50, RB Position:0)**

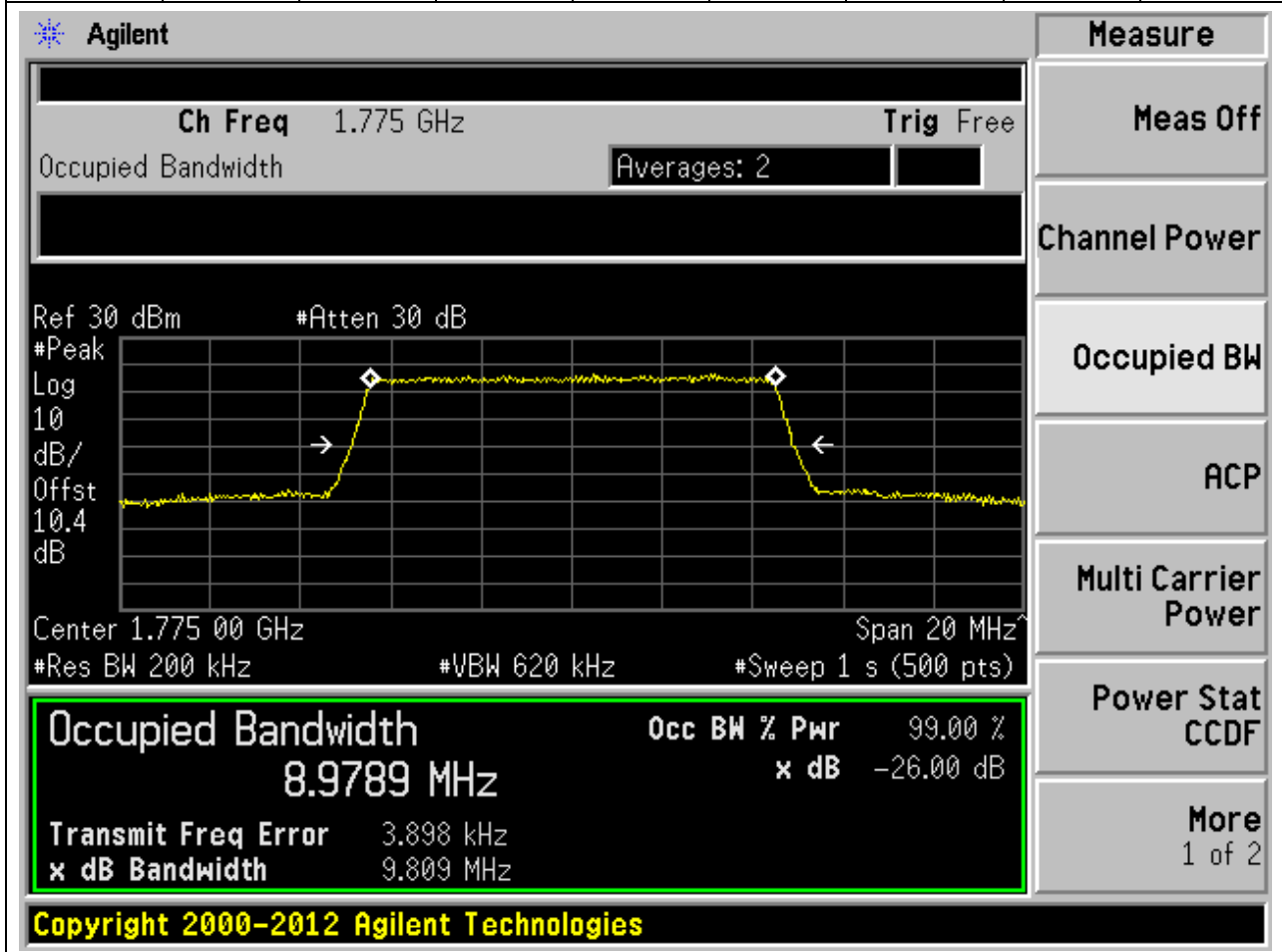
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.2	Peak	8.97	9.82	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The plot is set to a center frequency of 1.745 GHz and a span of 20 MHz. The y-axis is labeled 'Log 10 dB/Offst 10.3 dB'. The plot shows a signal with a peak at approximately 1.745 GHz. The 'Occupied Bandwidth' is highlighted in a green box, showing a value of 8.9665 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is 2.579 kHz and the 'x dB Bandwidth' is 9.822 MHz. The 'Copyright 2000-2012 Agilent Technologies' is visible at the bottom.

Occupied Bandwidth	Occ BW % Pwr
8.9665 MHz	99.00 %
Transmit Freq Error	x dB
2.579 kHz	-26.00 dB
x dB Bandwidth	
9.822 MHz	

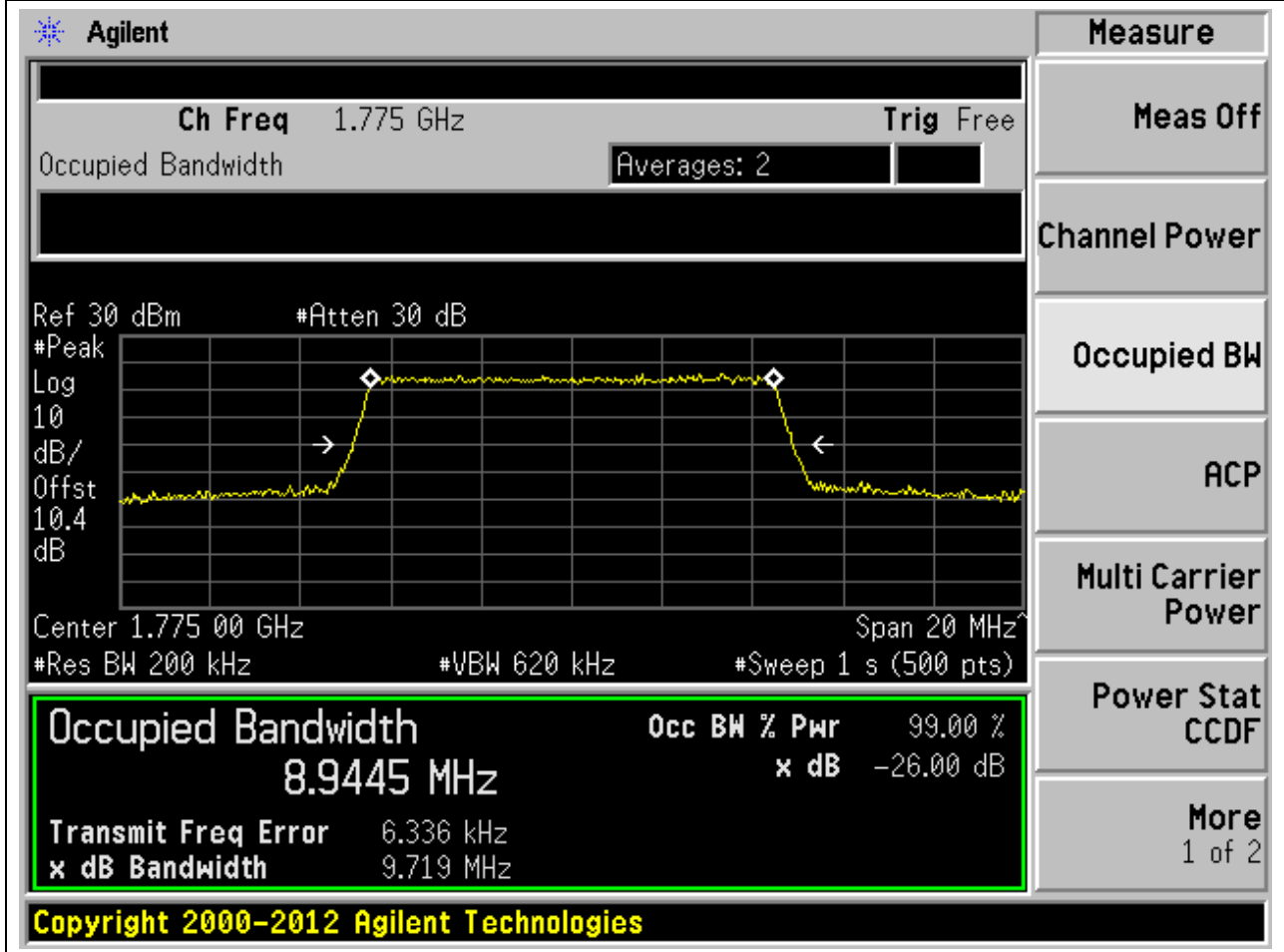
**4.34. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(NTNV)(Channel:132622, Bandwidth:10, Modulation:QPSK, RB Number:50, RB Position:0)**

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	8.98	9.81	10	Pass



4.35. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	8.94	9.72	10	Pass



4.36. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	8.97	10.16	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 %

8.9669 MHz x dB -26.00 dB

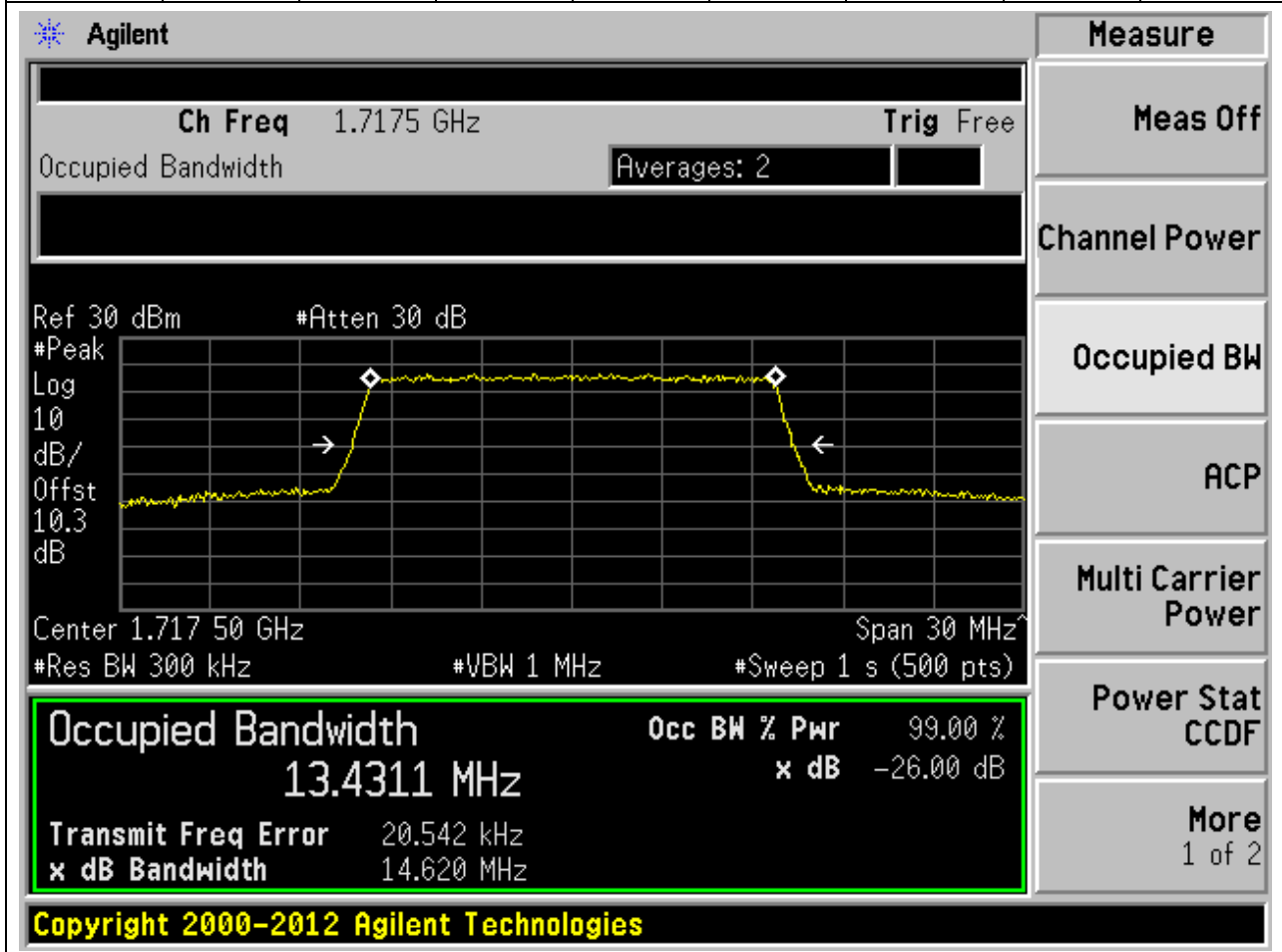
Transmit Freq Error 9.976 kHz

x dB Bandwidth 10.159 MHz

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**4.37. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	13.43	14.62	15	Pass



**4.38. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	13.44	14.76	15	Pass

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

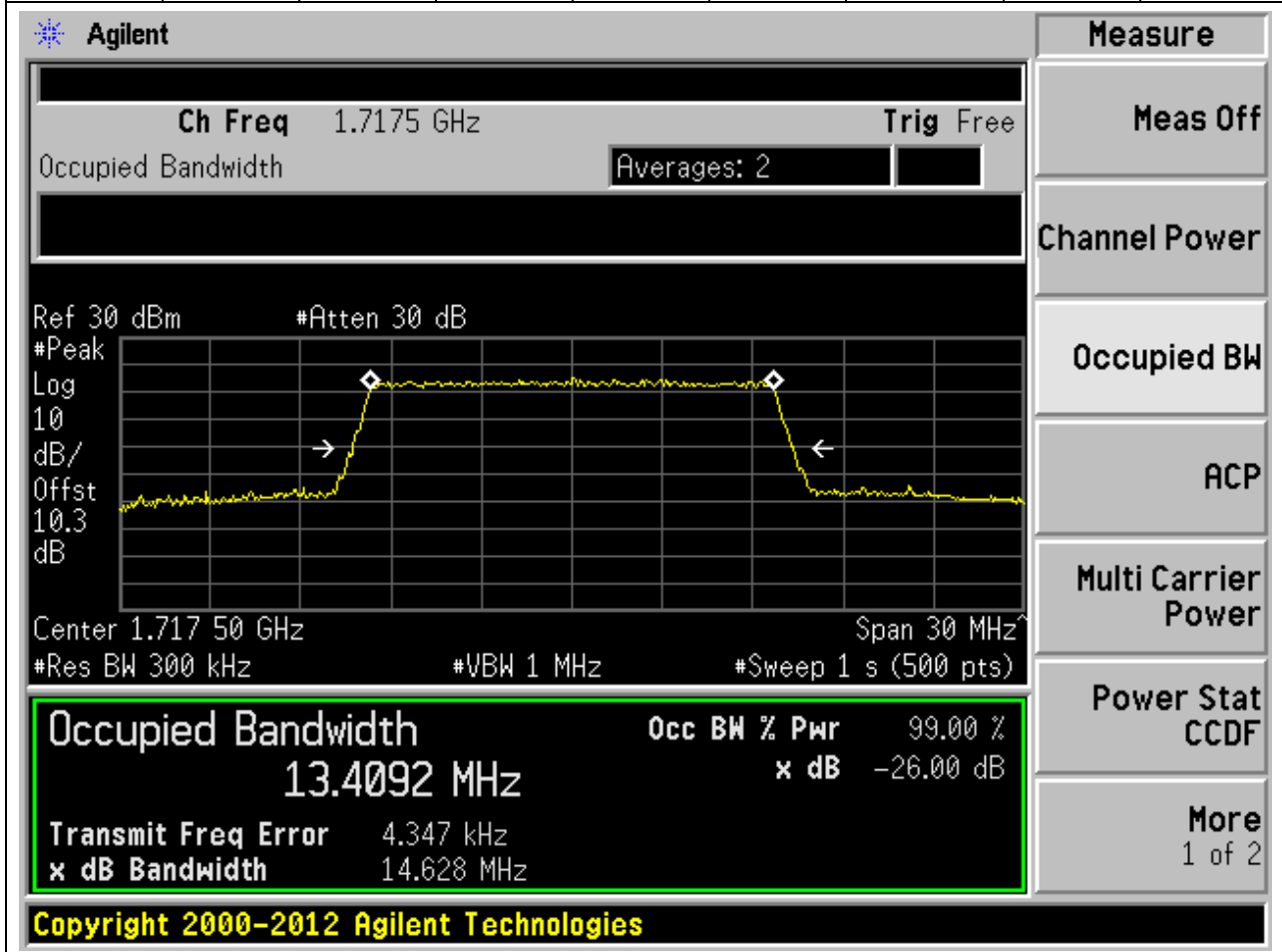
Measurement	Value
Occupied Bandwidth	13.4367 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-2.164 kHz
x dB Bandwidth	14.762 MHz

Additional parameters shown in the interface include: Ch Freq 1.7175 GHz, Trig Free, 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 1 MHz, #Sweep 1 s (500 pts).

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**4.39. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	13.41	14.63	15	Pass





**4.40. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	13.44	14.62	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 1.745 GHz' and 'Trig Free'. The main display area shows a spectrum plot with a yellow trace. The plot parameters include 'Ref 30 dBm', '#Atten 30 dB', 'Log', '10 dB/Offst', and '10.3 dB'. The plot shows a signal with a peak at approximately 1.745 GHz. The 'Occupied Bandwidth' is highlighted in a green box, showing a value of 13.4400 MHz. Other parameters shown include 'Transmit Freq Error 16.716 kHz', 'x dB Bandwidth 14.616 MHz', 'Occ BW % Pwr 99.00 %', and 'x dB -26.00 dB'. The bottom of the screen shows the copyright notice 'Copyright 2000-2012 Agilent Technologies'.

**4.41. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	13.45	14.77	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 1.745 GHz, and the span is 30 MHz. The occupied bandwidth is highlighted in a green box with the following values:

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
<b>13.4458 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		1.733 kHz
<b>x dB Bandwidth</b>		14.770 MHz

Other parameters shown 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 00 GHz, Span 30 MHz, #Res BW 300 kHz, #VBW 1 MHz, #Sweep 1 s (500 pts). The right-hand side of the interface shows a 'Measure' menu with options: Meas Off, Channel Power, Occupied BW, ACP, Multi Carrier Power, Power Stat CCDF, and More (1 of 2).

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4.42. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	13.42	14.7	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 1.745 GHz, and the span is 30 MHz. The occupied bandwidth is highlighted in a green box, showing a value of 13.4195 MHz. The power is 99.00% and the XdB down is -26.00 dB. The interface also shows various measurement parameters like Res BW, VBW, and Sweep.

Occupied Bandwidth	Occ BW % Pwr	x dB
13.4195 MHz	99.00 %	-26.00 dB

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**4.43. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	13.46	14.64	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 1.7725 GHz' and 'Trig Free'. The 'Occupied Bandwidth' measurement is active, with 'Averages: 2'. The main display shows a spectrum plot with a yellow trace. The plot parameters are: Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 10.4 dB. The plot shows a signal with a peak at approximately 1.7725 GHz. The 'Occupied Bandwidth' measurement results are highlighted in a green box:

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
<b>13.4573 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		21.015 kHz
<b>x dB Bandwidth</b>		14.639 MHz

Additional parameters shown at the bottom of the plot area include: Center 1.772 50 GHz, Span 30 MHz, #Res BW 300 kHz, #VBW 1 MHz, #Sweep 1 s (500 pts). The right-hand side of the interface shows a 'Measure' menu with options: Meas Off, Channel Power, Occupied BW, ACP, Multi Carrier Power, Power Stat CCDF, and More (1 of 2). The bottom of the screen displays the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

4.44. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	13.46	14.78	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 1 MHz #Sweep 1 s (500 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
13.4583 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> -4.235 kHz	
<b>x dB Bandwidth</b> 14.776 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

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4.45. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	13.43	14.68	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 1.7725 GHz. The occupied bandwidth is highlighted in a green box with the following values:

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
<b>13.4339 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	5.274 kHz	
<b>x dB Bandwidth</b>	14.685 MHz	

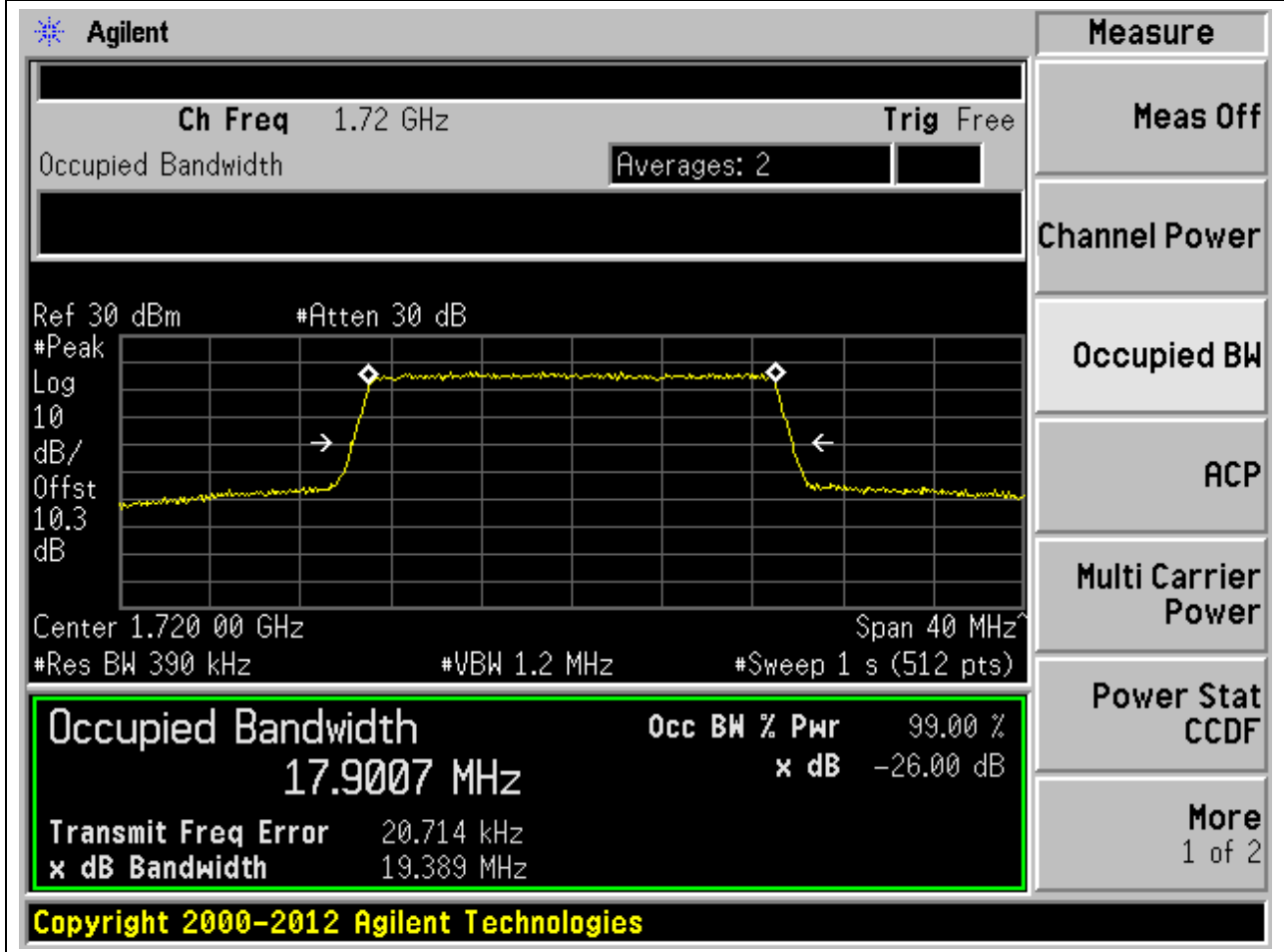
Other visible parameters include: Ch Freq 1.7725 GHz, Trig Free, Averages: 2, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 10.4 dB, Center 1.77250 GHz, Span 30 MHz, #Res BW 300 kHz, #VBW 1 MHz, #Sweep 1 s (500 pts).

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

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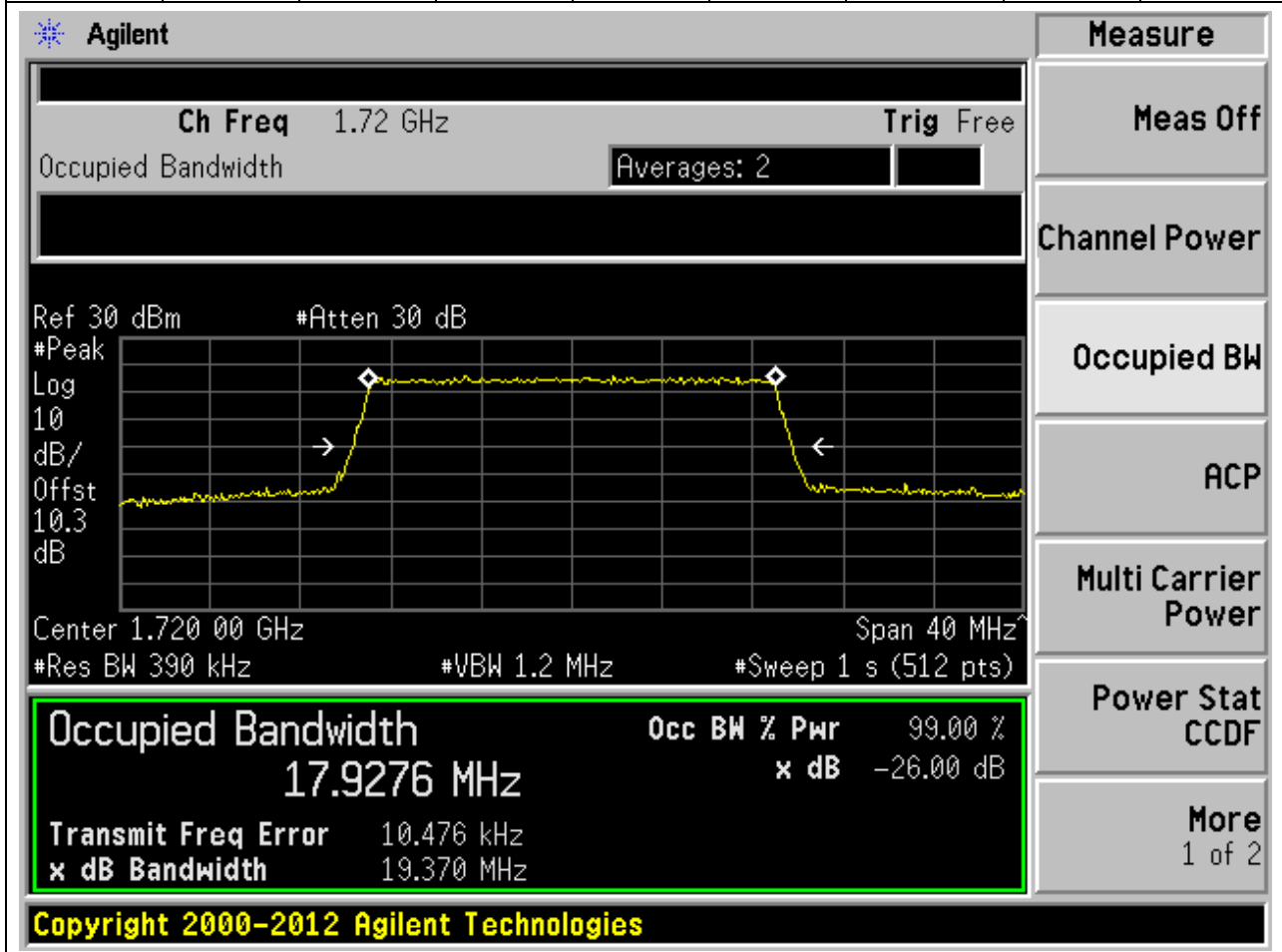
**4.46. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(NTNV)(Channel:132072, Bandwidth:20, Modulation:QPSK, RB Number:100, RB Position:0)**

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	17.9	19.39	20	Pass



4.47. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	17.93	19.37	20	Pass





**4.48. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	17.92	19.5	20	Pass

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

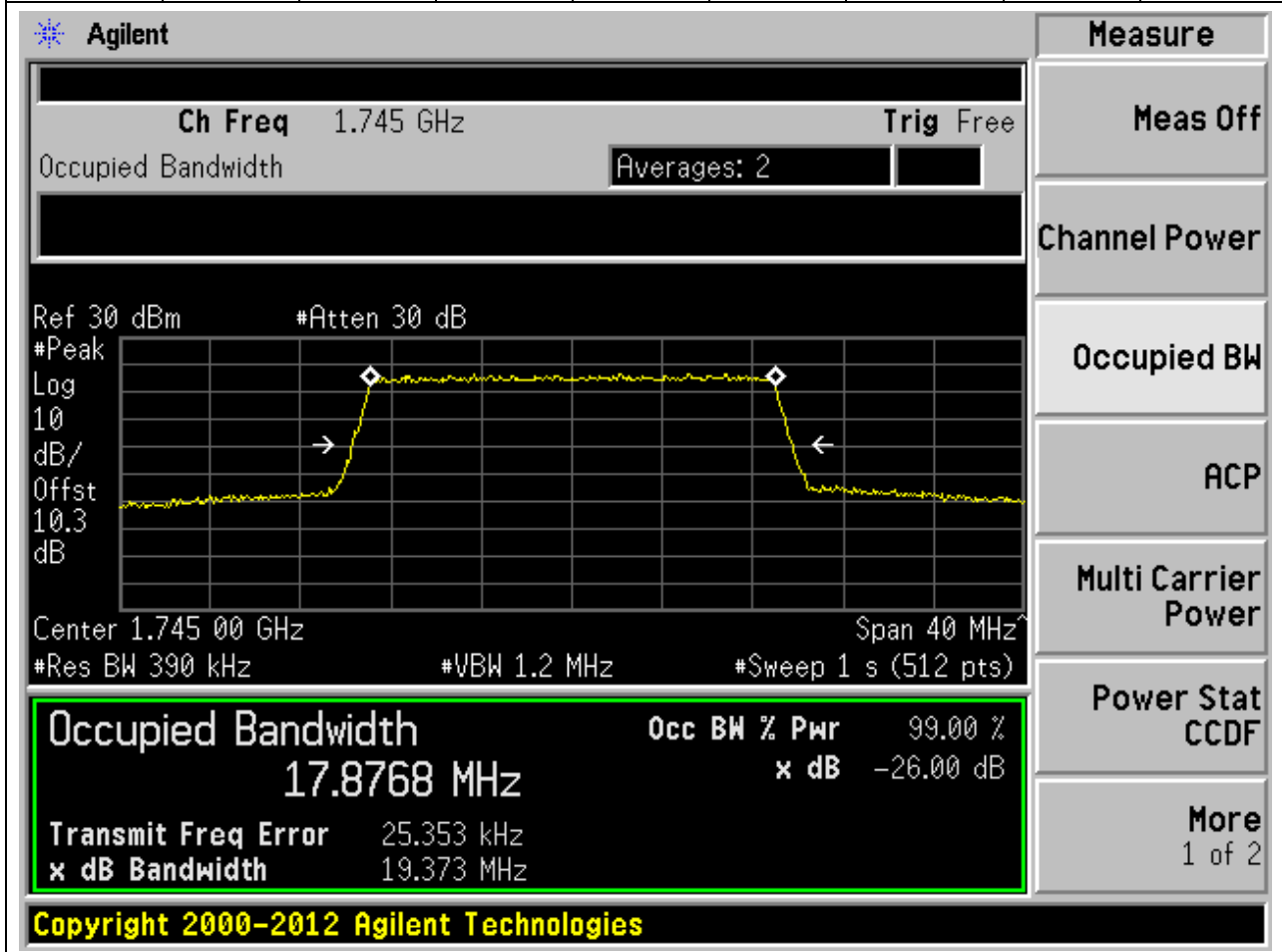
Measurement	Value
Occupied Bandwidth	17.9164 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	15.277 kHz
x dB Bandwidth	19.501 MHz

Additional parameters shown in the interface include: Ch Freq 1.72 GHz, Trig Free, 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 1.2 MHz, #Sweep 1 s (512 pts).

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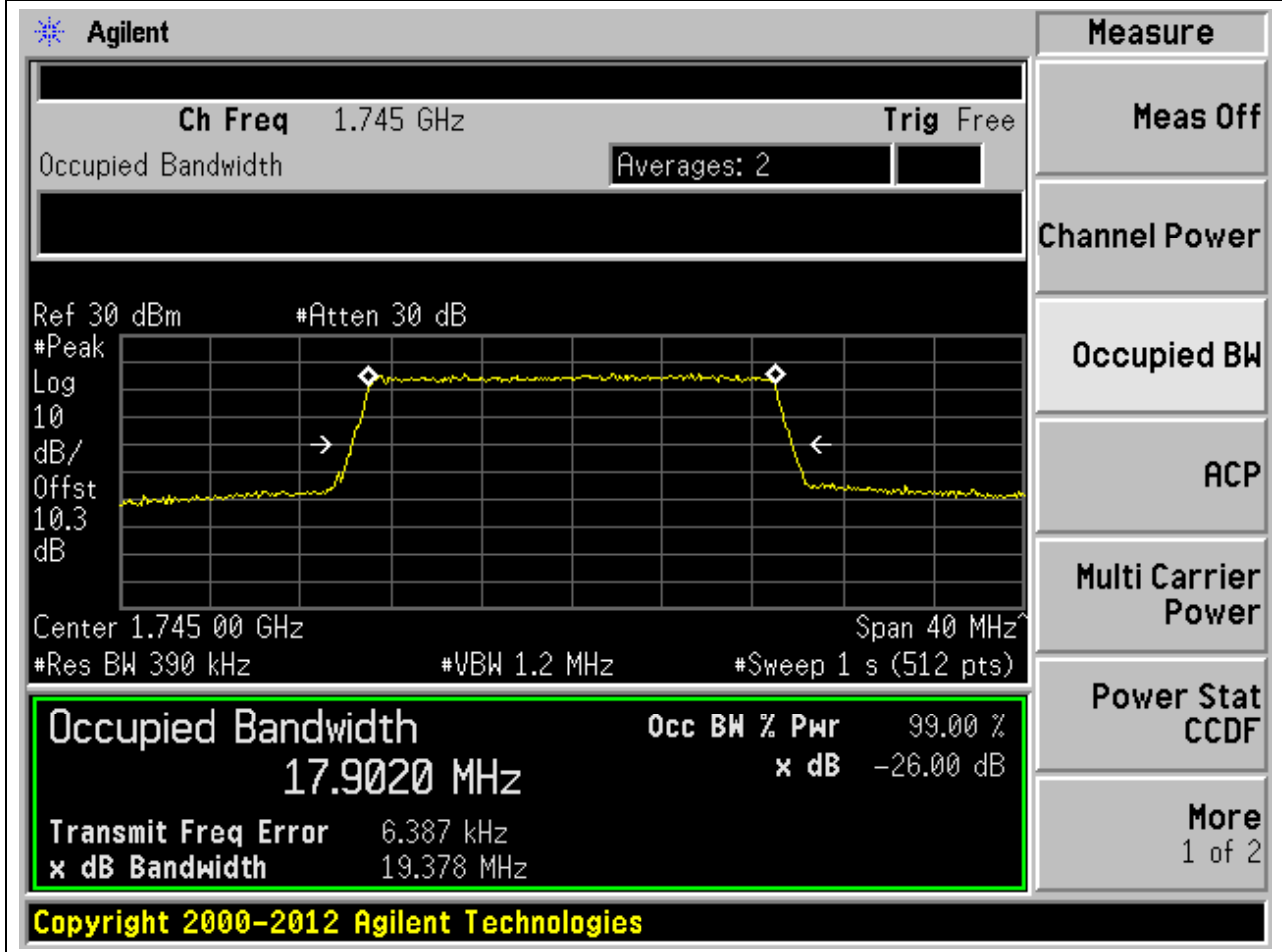
**4.49. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(NTNV)(Channel:132322, Bandwidth:20, Modulation:QPSK, RB Number:100, RB Position:0)**

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	17.88	19.37	20	Pass



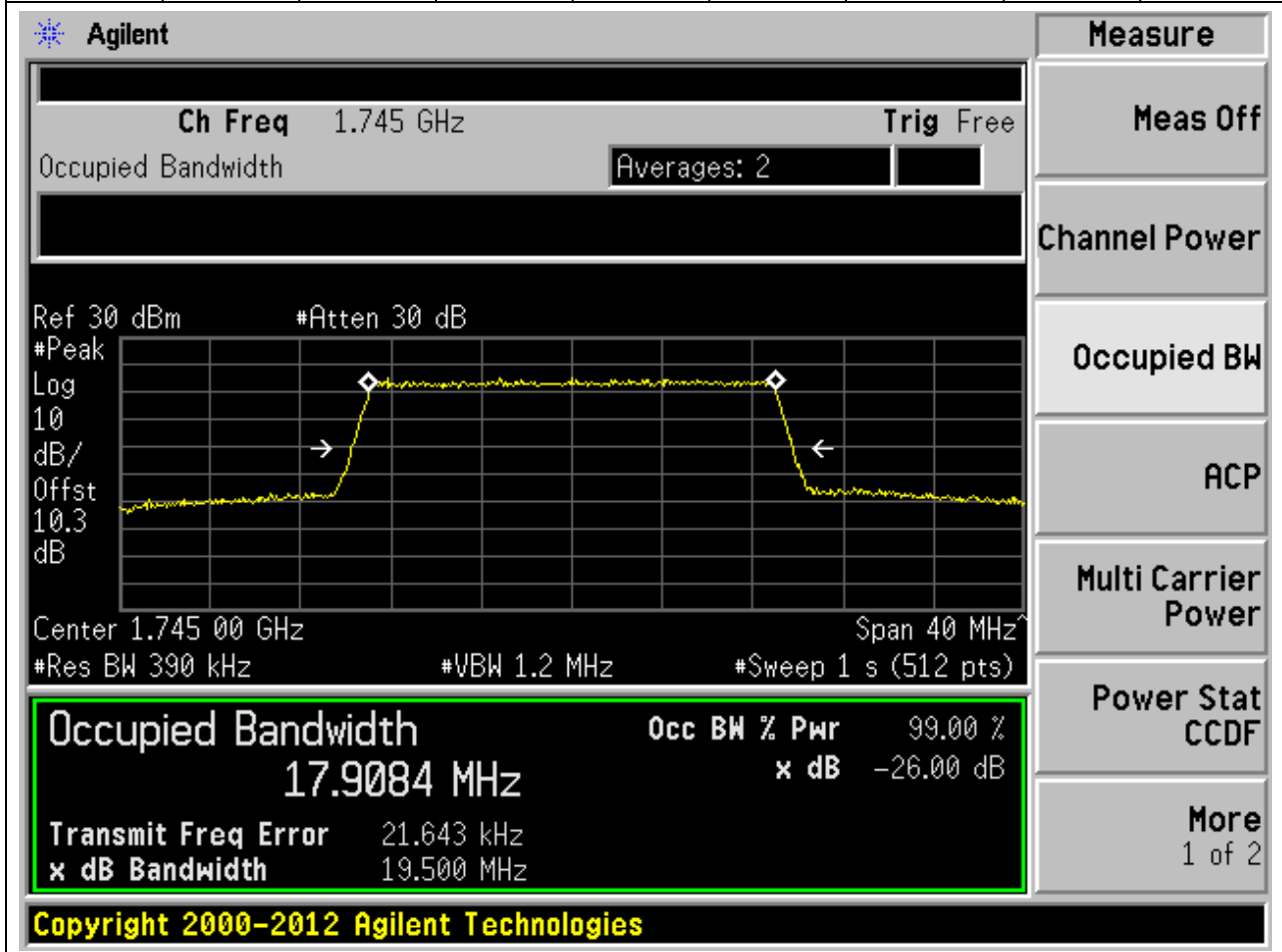
**4.50. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(NTNV)(Channel:132322, Bandwidth:20, Modulation:16QAM, RB Number:100, RB Position:0)**

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	17.9	19.38	20	Pass



4.51. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	17.91	19.5	20	Pass



**4.52. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(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	17.94	19.41	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 1.77 GHz, and the span is 40 MHz. The occupied bandwidth is highlighted in a green box, showing a value of 17.9384 MHz. The power is 99.00% and the XdB bandwidth is 19.409 MHz. The XdB down is -26.00 dB. The transmit frequency error is 10.566 kHz. The interface also shows various measurement settings like Res BW (390 kHz), VBW (1.2 MHz), and Sweep (1 s).

Occupied Bandwidth	Occ BW % Pwr	x dB
17.9384 MHz	99.00 %	-26.00 dB

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**4.53. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(NTNV)(Channel:132572, Bandwidth:20, Modulation:16QAM, RB Number:100, RB Position:0)**

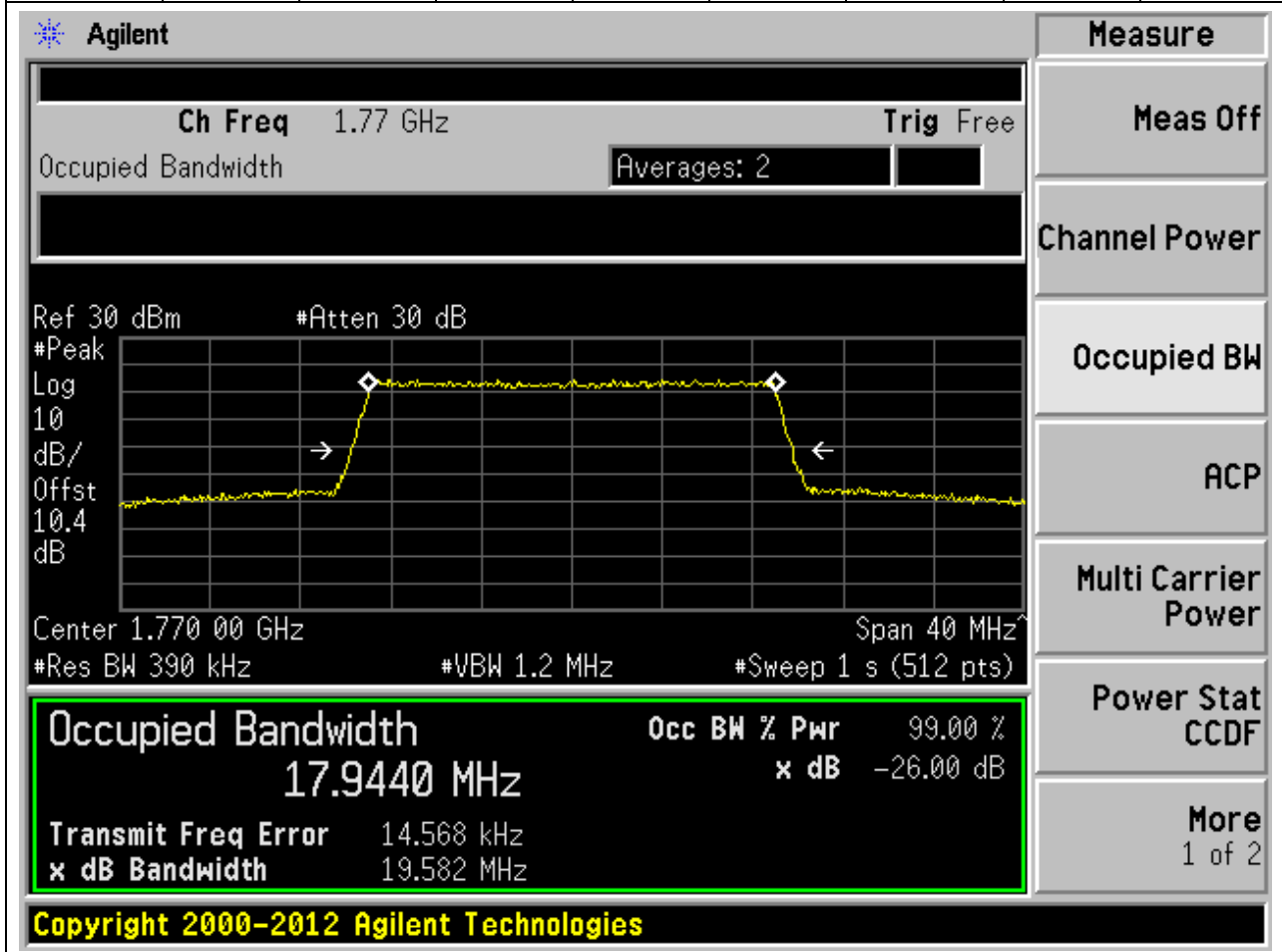
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1770	99	26	0.39	Peak	17.94	19.35	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The plot is set to a center frequency of 1.77 GHz and a span of 40 MHz. The vertical axis is set to a reference of 30 dBm and a resolution bandwidth of 390 kHz. The horizontal axis is set to a resolution bandwidth of 1.2 MHz and a sweep time of 1 second. The plot shows a signal with a peak at approximately 1.77 GHz. The occupied bandwidth is measured as 17.9444 MHz, which is 99.00% of the power. The XdB bandwidth is 19.352 MHz, and the XdB down is -26.00 dB. The transmit frequency error is -14.511 kHz. 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 %
17.9444 MHz	x dB	-26.00 dB
Transmit Freq Error		-14.511 kHz
x dB Bandwidth		19.352 MHz

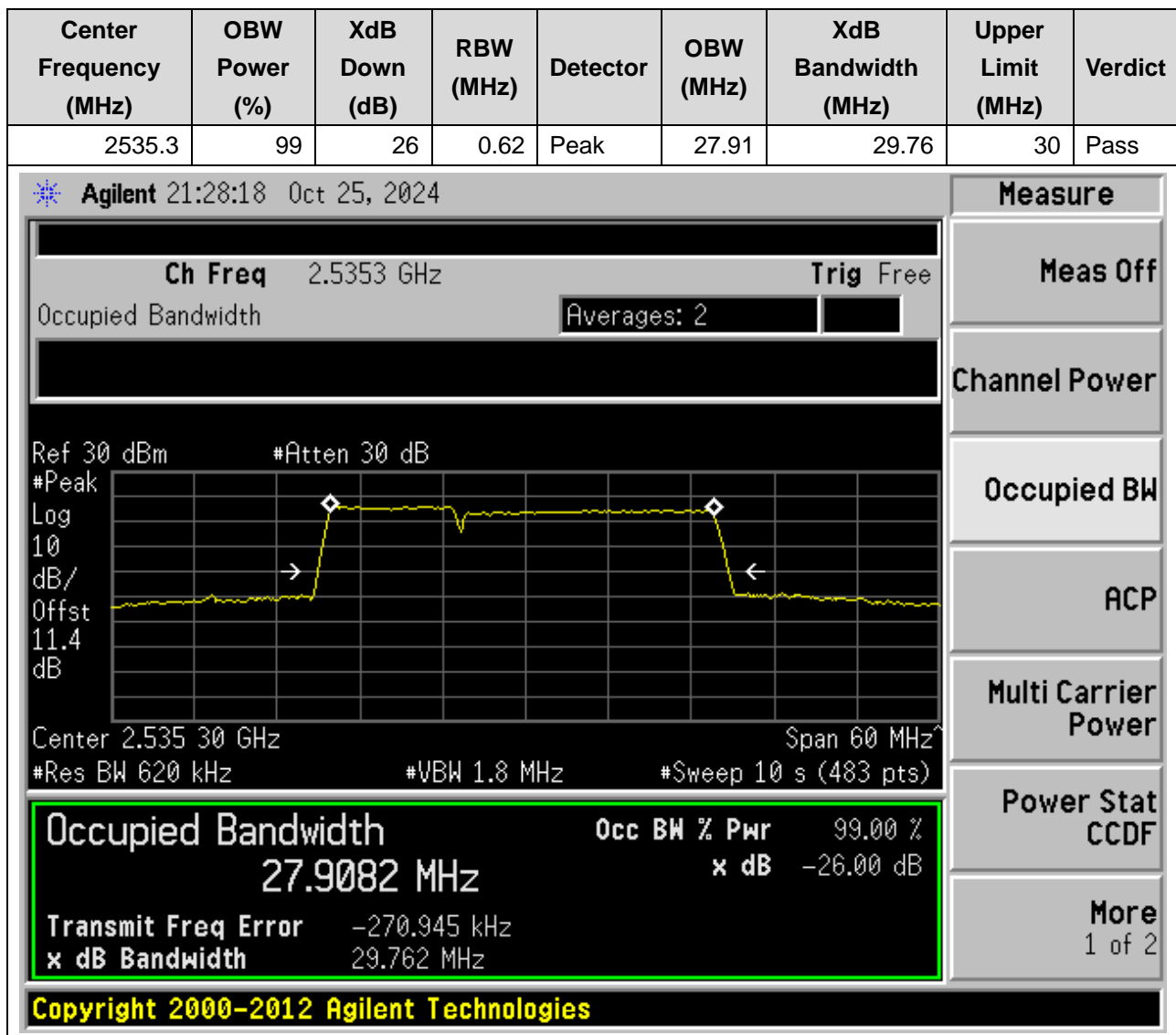
4.54. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(NTNV)(Channel:132572, Bandwidth:20, Modulation:64QAM, RB Number:100, RB Position:0)

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	17.94	19.58	20	Pass



## 1. CA\_7C

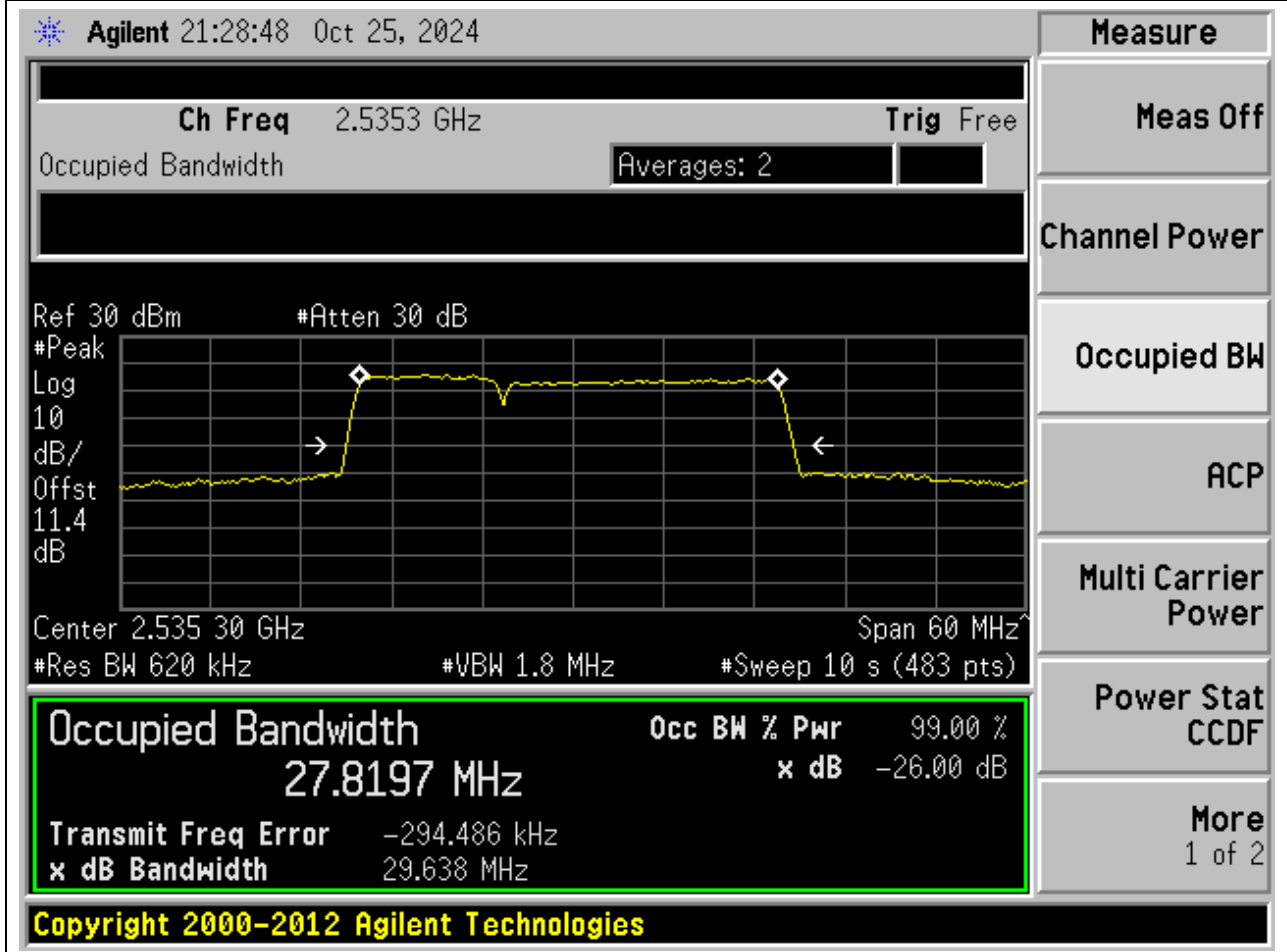
1.1. LTE-A Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:1, Channel:21006|21150, Bandwidth:10|20MHz, Modulation:QPSK, RB Number:Full|Full, RB Position:Low|Low)





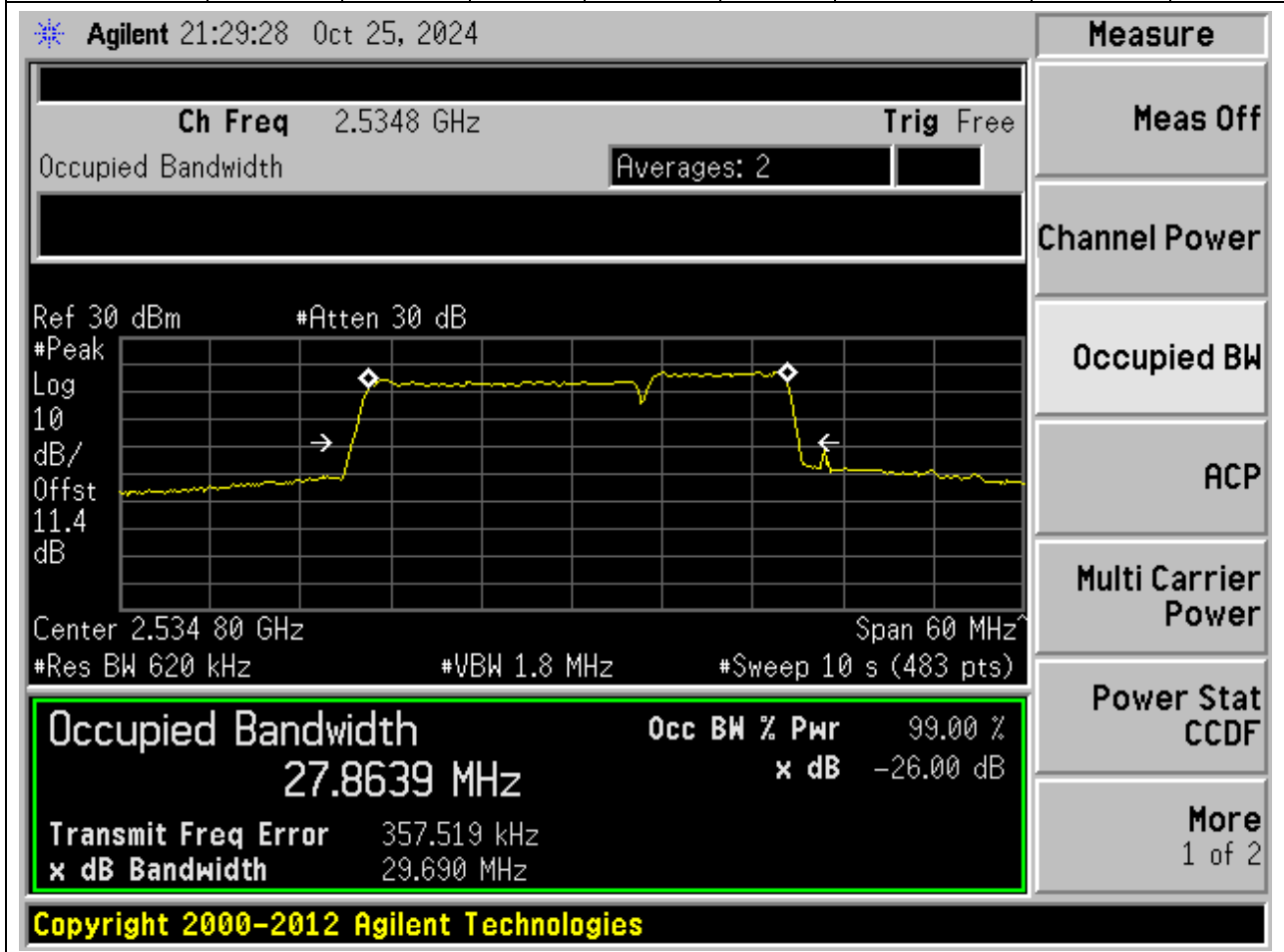
**1.2. LTE-A Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:2,  
Channel:21006|21150, Bandwidth:10|20MHz, Modulation:16QAM, RB  
Number:Full|Full, RB Position:Low|Low)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535.3	99	26	0.62	Peak	27.82	29.64	30	Pass

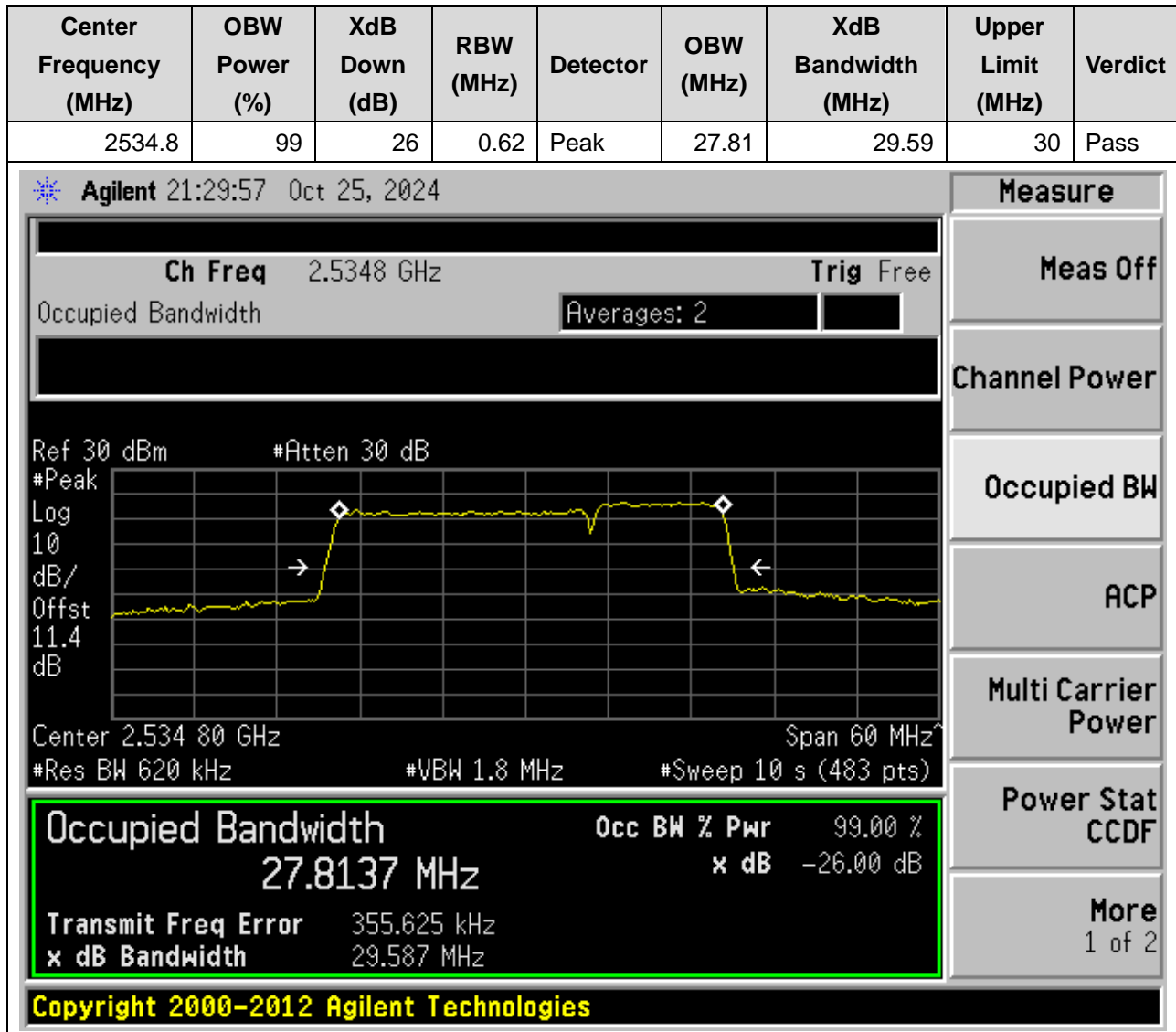


**1.3. LTE-A Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:3,  
Channel:21051|21195, Bandwidth:20|10MHz, Modulation:QPSK, RB  
Number:Full|Full, RB Position:Low|Low)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2534.8	99	26	0.62	Peak	27.86	29.69	30	Pass



**1.4. LTE-A Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:4,  
Channel:21051|21195, Bandwidth:20|10MHz, Modulation:16QAM, RB  
Number:Full|Full, RB Position:Low|Low)**



**1.5. LTE-A Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:5,  
Channel:21025|21175, Bandwidth:15|15MHz, Modulation:QPSK, RB  
Number:Full|Full, RB Position:Low|Low)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	0.62	Peak	28.44	30.42	30	Pass

**Agilent** 21:30:36 Oct 25, 2024

Ch Freq 2.535 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.4 dB

Center 2.535 00 GHz Span 60 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
<b>28.4431 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	20.874 kHz	
<b>x dB Bandwidth</b>	30.419 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-A Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:6,  
Channel:21025|21175, Bandwidth:15|15MHz, Modulation:16QAM, RB  
Number:Full|Full, RB Position:Low|Low)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	0.62	Peak	28.49	30.88	30	Pass

**Agilent** 21:31:06 Oct 25, 2024

**Ch Freq** 2.535 GHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 11.4 dB

Center 2.535 00 GHz Span 60 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
28.4870 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> 48.235 kHz	
<b>x dB Bandwidth</b> 30.877 MHz	

**Measure**

Meas Off

Channel Power

Occupied BW

ACP

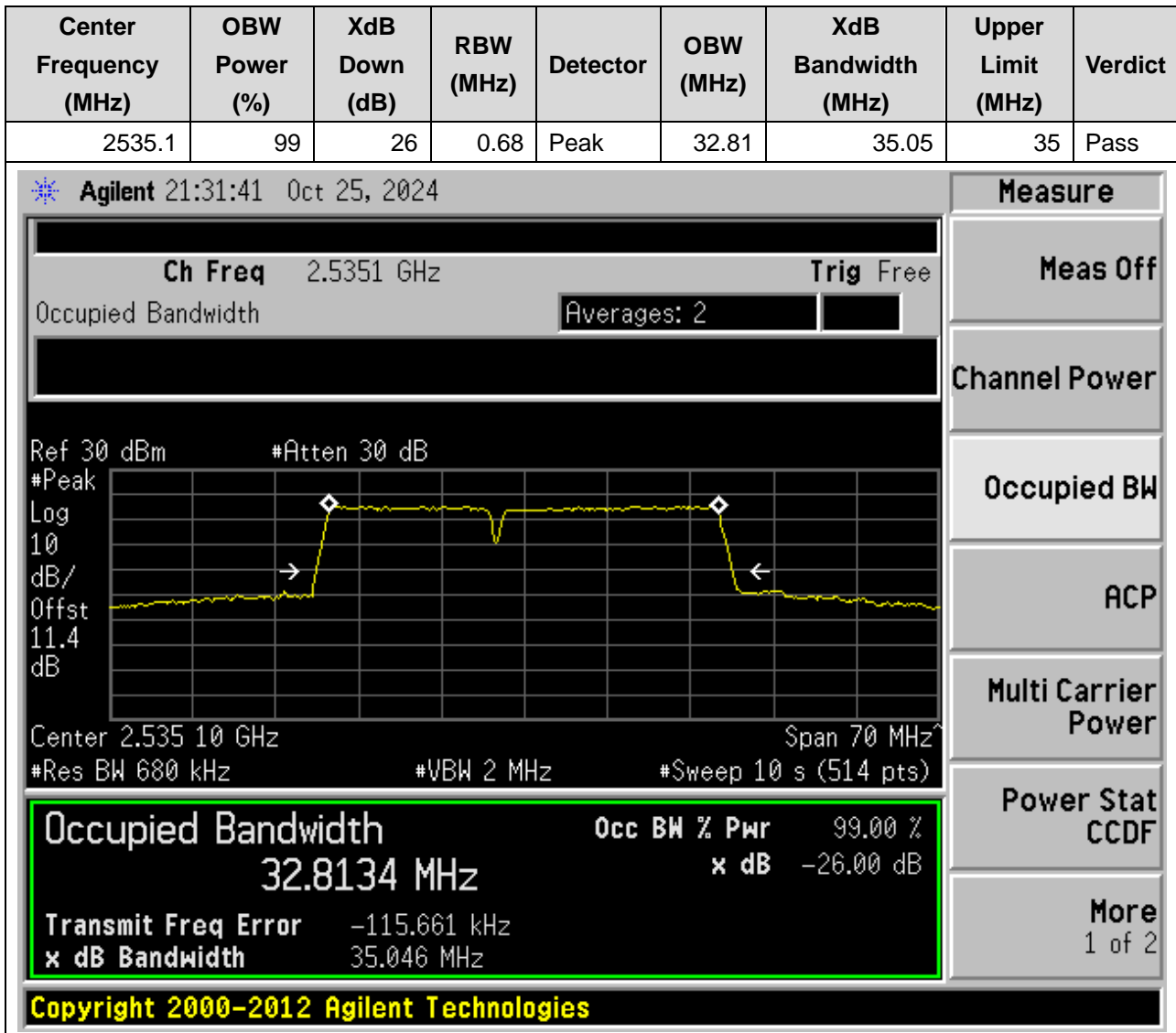
Multi Carrier Power

Power Stat CCDF

More 1 of 2

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**1.7. LTE-A Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:7,  
Channel:21003|21174, Bandwidth:15|20MHz, Modulation:QPSK, RB  
Number:Full|Full, RB Position:Low|Low)**



**1.8. LTE-A Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:8,  
Channel:21003|21174, Bandwidth:15|20MHz, Modulation:16QAM, RB  
Number:Full|Full, RB Position:Low|Low)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535.1	99	26	0.68	Peak	32.71	34.96	35	Pass

**Agilent** 21:32:10 Oct 25, 2024

Ch Freq 2.5351 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.4 dB

Center 2.535 10 GHz Span 70 MHz

#Res BW 680 kHz #VBW 2 MHz #Sweep 10 s (514 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
<b>32.7128 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	-123.302 kHz	
<b>x dB Bandwidth</b>	34.956 MHz	

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**1.9. LTE-A Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:9,  
Channel:21026|21197, Bandwidth:20|15MHz, Modulation:QPSK, RB  
Number:Full|Full, RB Position:Low|Low)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2534.9	99	26	0.68	Peak	32.72	34.85	35	Pass

**Agilent** 21:32:50 Oct 25, 2024

Ch Freq 2.5349 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 11.4 dB

Center 2.534 90 GHz Span 70 MHz

#Res BW 680 kHz #VBW 2 MHz #Sweep 10 s (514 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
<b>32.7206 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	188.388 kHz	
<b>x dB Bandwidth</b>	34.850 MHz	

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

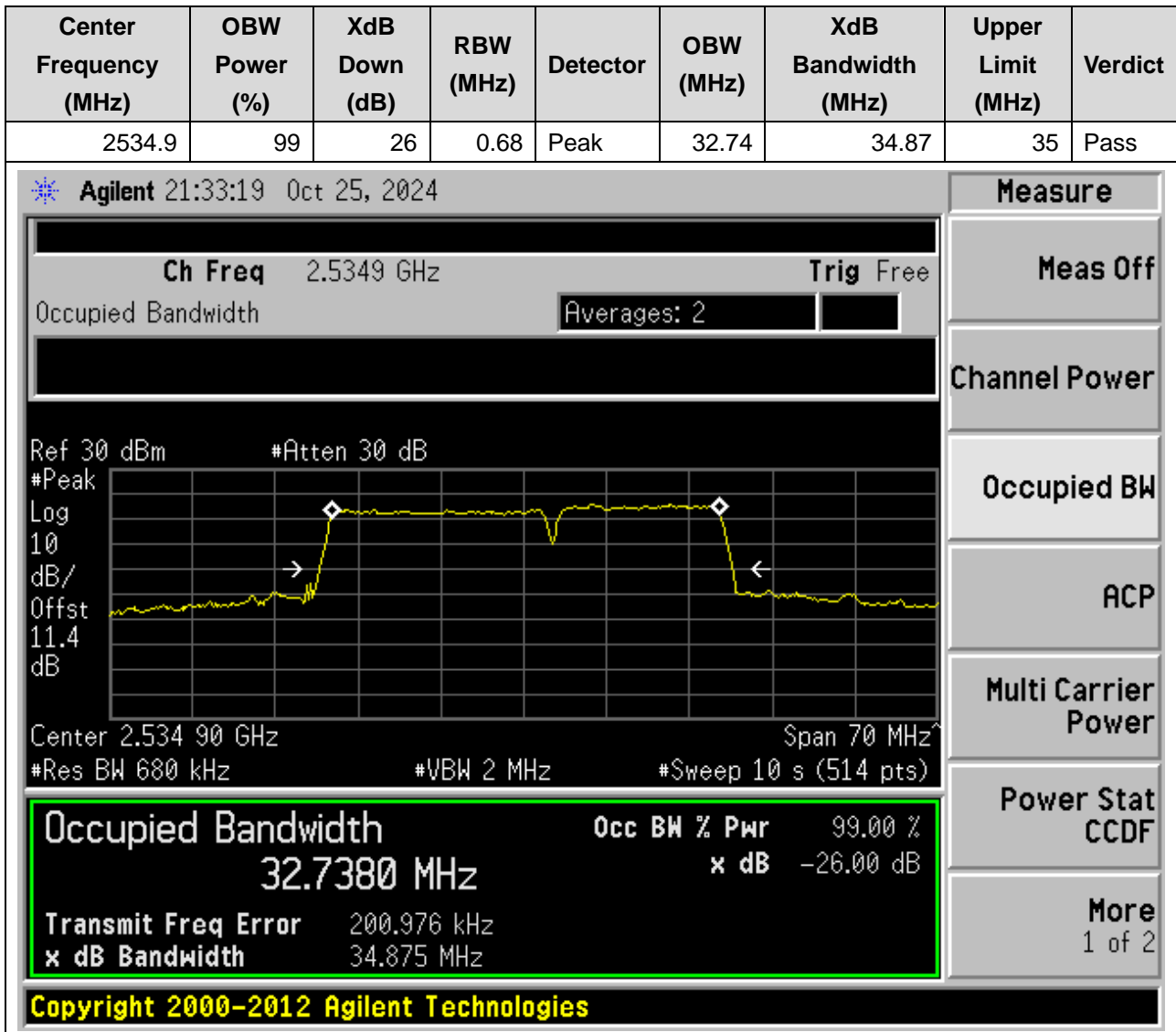
Multi Carrier Power

Power Stat CCDF

More  
1 of 2



**1.10. LTE-A Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:10,  
Channel:21026|21197, Bandwidth:20|15MHz, Modulation:16QAM, RB  
Number:Full|Full, RB Position:Low|Low)**



**1.11. LTE-A Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:11, Channel:21001|21199, Bandwidth:20|20MHz, Modulation:QPSK, RB Number:Full|Full, RB Position:Low|Low)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	0.82	Peak	37.74	40.11	40	Pass

**Agilent** 21:33:54 Oct 25, 2024

Ch Freq 2.535 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 11.4 dB

Center 2.535 00 GHz Span 80 MHz

#Res BW 820 kHz #VBW 2.4 MHz #Sweep 10 s (487 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
37.7410 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	67.746 kHz	
<b>x dB Bandwidth</b>	40.109 MHz	

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**1.12. LTE-A Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:12, Channel:21001|21199, Bandwidth:20|20MHz, Modulation:16QAM, RB Number:Full|Full, RB Position:Low|Low)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	0.82	Peak	37.64	40.32	40	Pass

**Agilent** 21:34:24 Oct 25, 2024

Ch Freq 2.535 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 11.4 dB

Center 2.535 00 GHz Span 80 MHz

#Res BW 820 kHz #VBW 2.4 MHz #Sweep 10 s (487 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
<b>37.6400 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	26.161 kHz	
<b>x dB Bandwidth</b>	40.318 MHz	

Power Stat CCDF

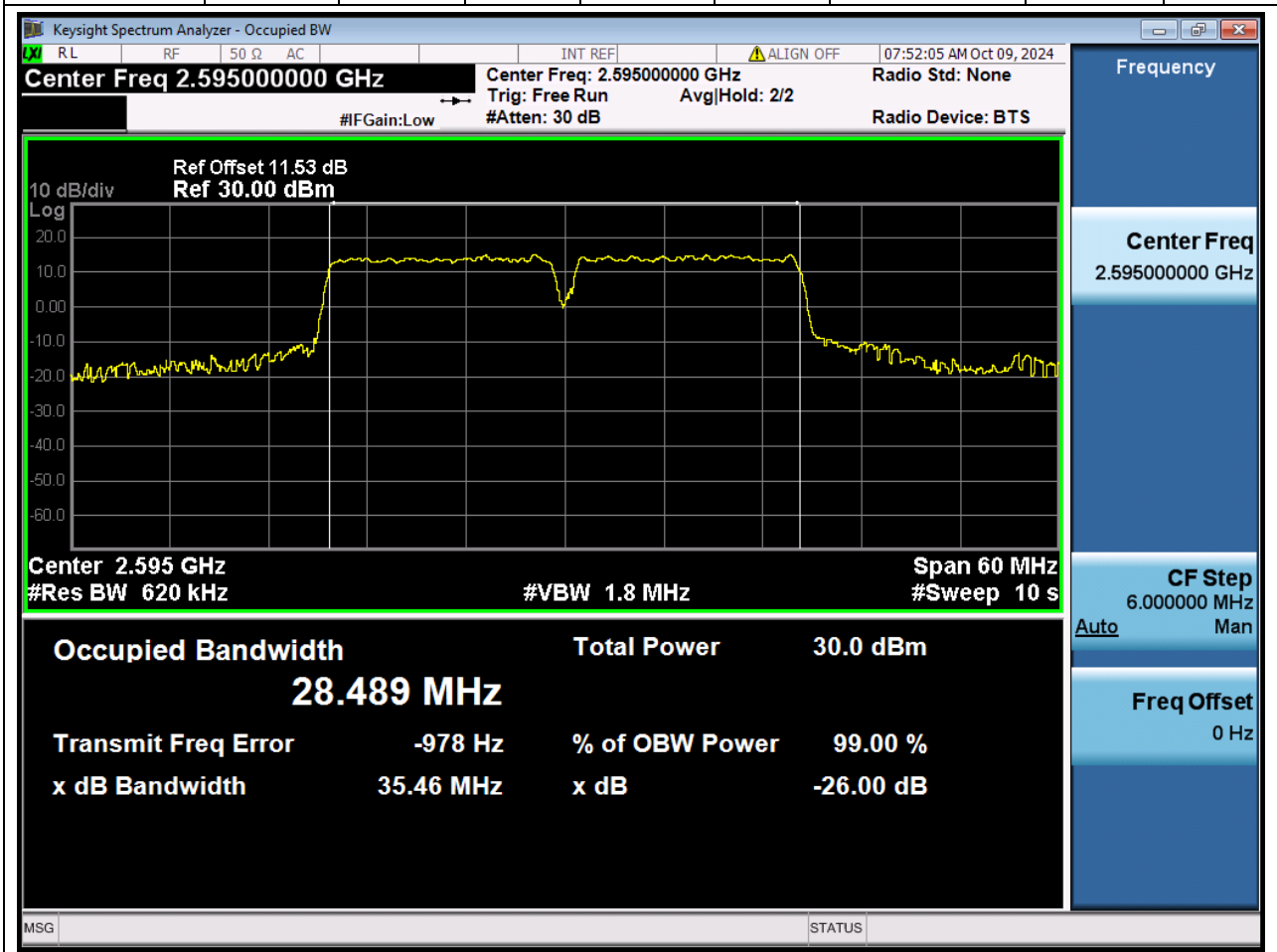
More 1 of 2

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## 2. CA\_38C

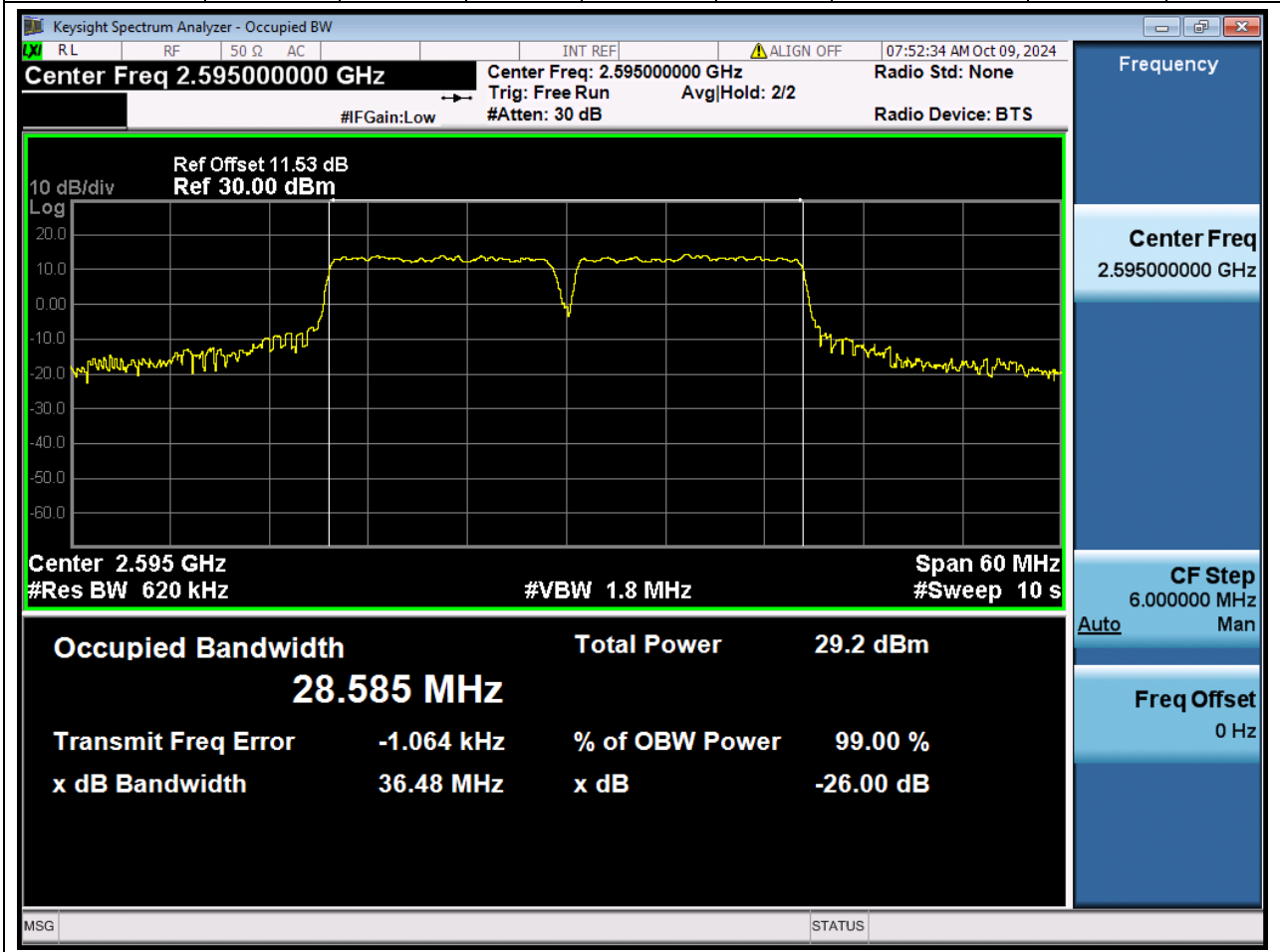
2.1. LTE-A Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:1,  
Channel:37925|38075, Bandwidth:15|15MHz, Modulation:QPSK, RB  
Number:Full|Full, RB Position:Low|Low)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2595	99	26	0.62	Peak	28.49	35.46	30	Pass



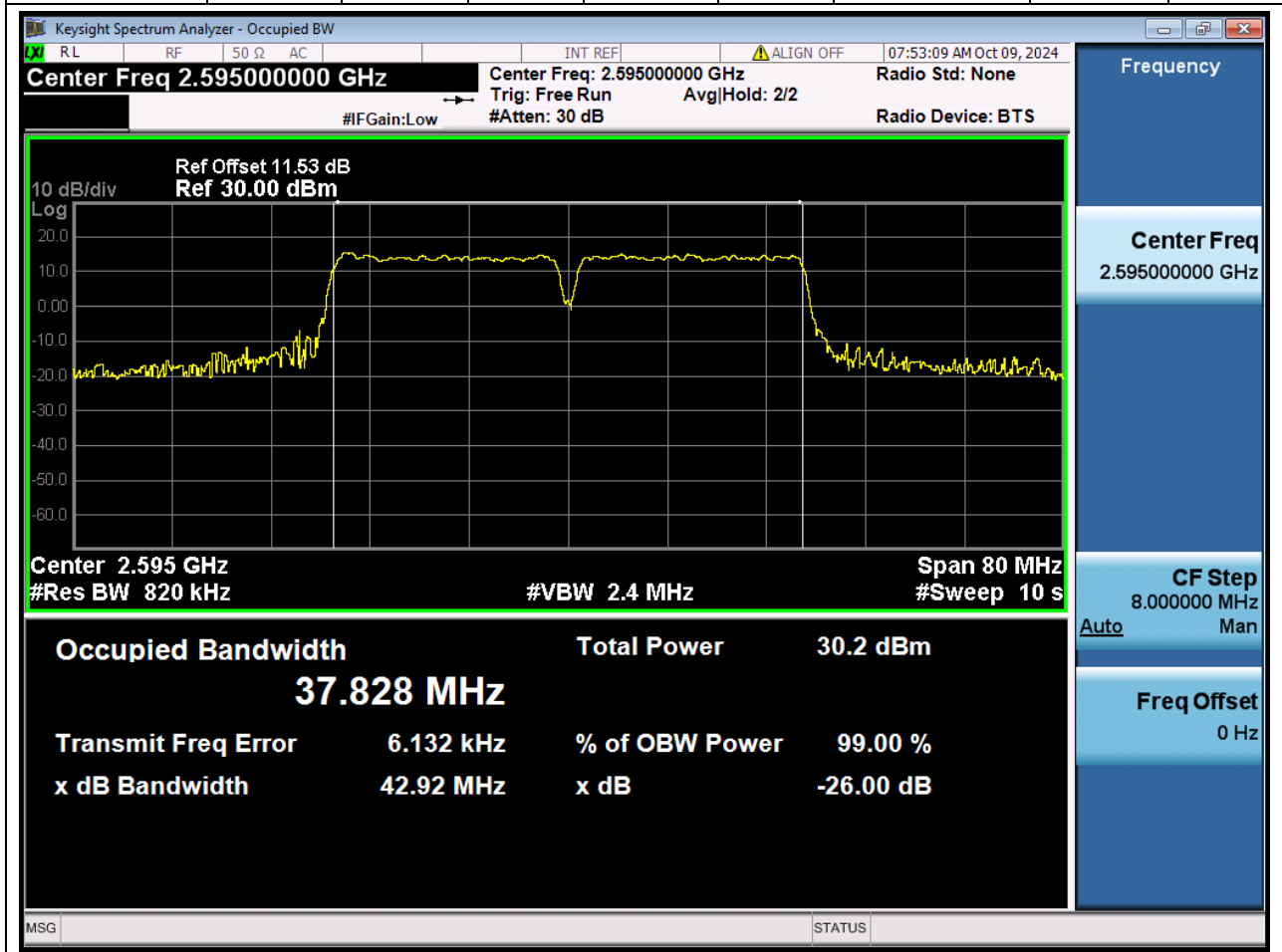
**2.2. LTE-A Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:2,  
Channel:37925|38075, Bandwidth:15|15MHz, Modulation:16QAM, RB  
Number:Full|Full, RB Position:Low|Low)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2595	99	26	0.62	Peak	28.58	36.48	30	Pass



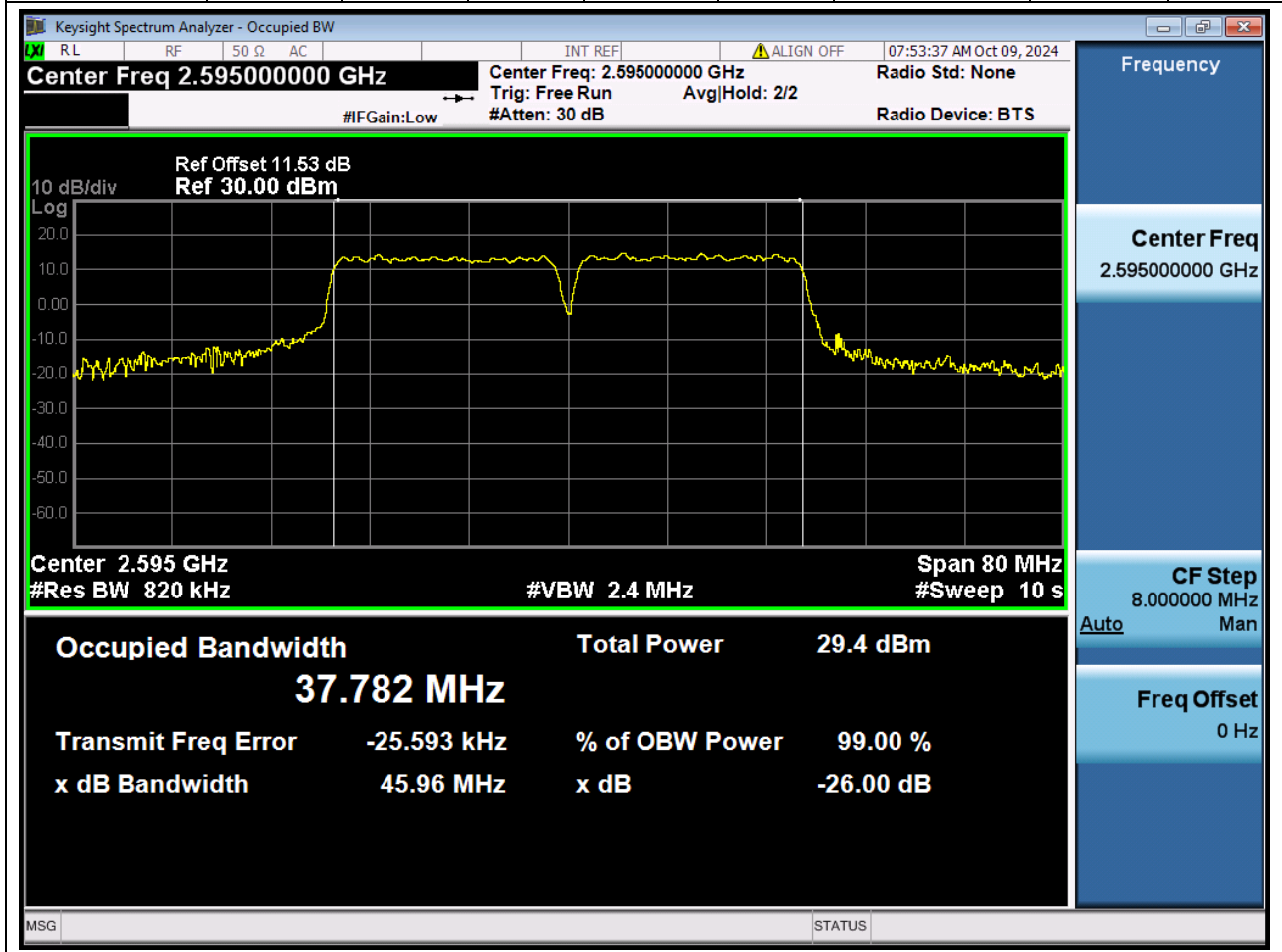
2.3. LTE-A Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:3,  
Channel:37901|38099, Bandwidth:20|20MHz, Modulation:QPSK, RB  
Number:Full|Full, RB Position:Low|Low)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2595	99	26	0.82	Peak	37.83	42.92	40	Pass



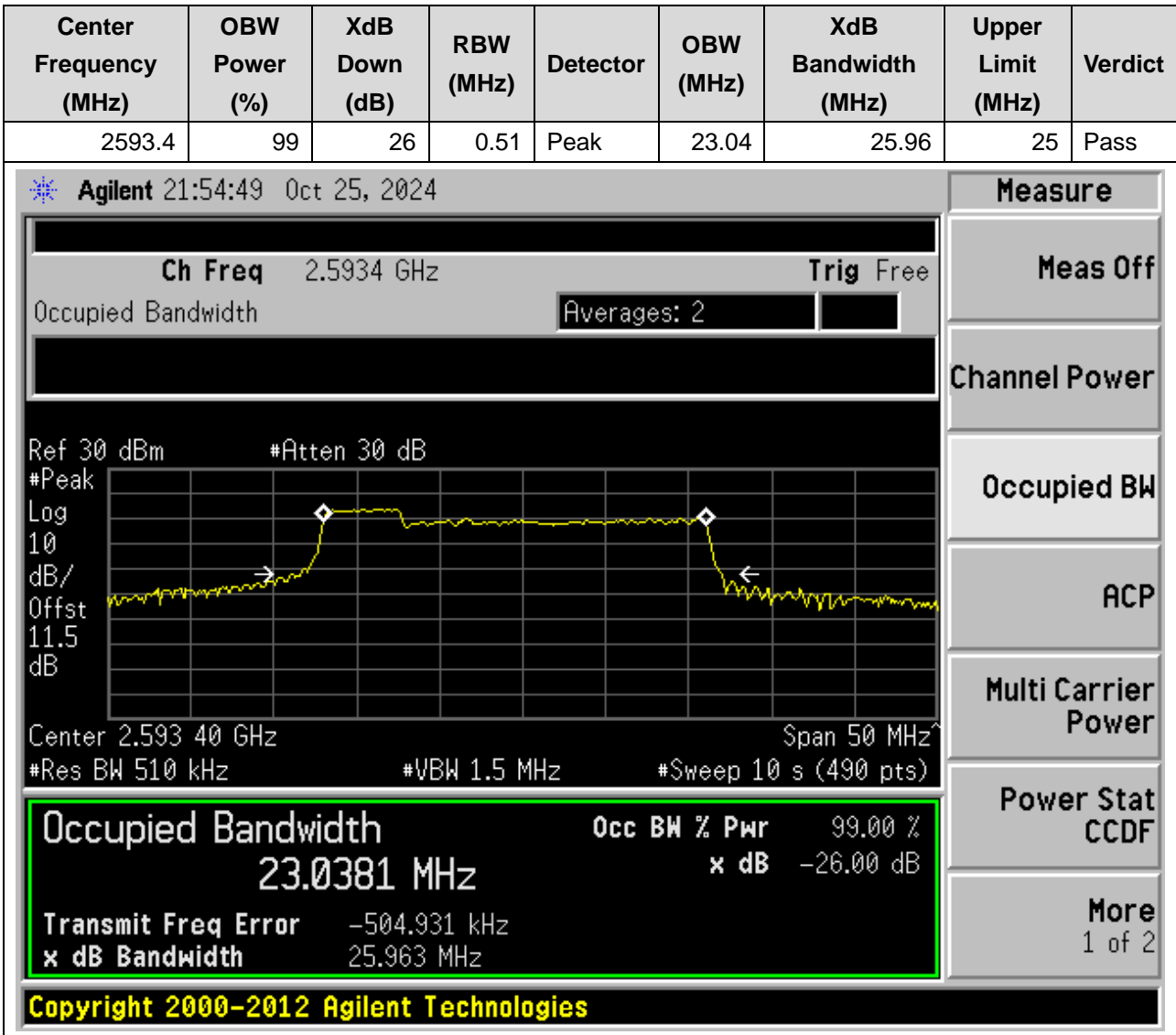
2.4. LTE-A Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:4,  
 Channel:37901|38099, Bandwidth:20|20MHz, Modulation:16QAM, RB  
 Number:Full|Full, RB Position:Low|Low)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2595	99	26	0.82	Peak	37.78	45.96	40	Pass



### 3. CA\_41C\_full

3.1. LTE-A Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:1, Channel:40528|40645, Bandwidth:5|20MHz, Modulation:QPSK, RB Number:Full|Full, RB Position:Low|Low)





**3.2. LTE-A Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:2,  
Channel:40528|40645, Bandwidth:5|20MHz, Modulation:16QAM, RB  
Number:Full|Full, RB Position:Low|Low)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2593.4	99	26	0.51	Peak	22.95	24.64	25	Pass

**Agilent** 21:55:18 Oct 25, 2024

**Ch Freq** 2.5934 GHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 11.5 dB

Center 2.593 40 GHz Span 50 MHz

#Res BW 510 kHz #VBW 1.5 MHz #Sweep 10 s (490 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
<b>22.9485 MHz</b>	<b>x dB</b> -26.00 dB
<b>Transmit Freq Error</b> -475.127 kHz	
<b>x dB Bandwidth</b> 24.640 MHz	

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

**3.3. LTE-A Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:3, Channel:40595|40712, Bandwidth:20|5MHz, Modulation:QPSK, RB Number:Full|Full, RB Position:Low|Low)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2592.6	99	26	0.51	Peak	23.15	26.17	25	Pass

**Agilent** 21:55:58 Oct 25, 2024

Ch Freq 2.5926 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.5 dB

Center 2.592 60 GHz Span 50 MHz

#Res BW 510 kHz #VBW 1.5 MHz #Sweep 10 s (490 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
<b>23.1467 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	508.536 kHz	
<b>x dB Bandwidth</b>	26.167 MHz	

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

**3.4. LTE-A Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:4,  
Channel:40595|40712, Bandwidth:20|5MHz, Modulation:16QAM, RB  
Number:Full|Full, RB Position:Low|Low)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2592.6	99	26	0.51	Peak	23.02	24.59	25	Pass

**Agilent** 21:56:27 Oct 25, 2024

Ch Freq 2.5926 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 11.5 dB

Center 2.592 60 GHz Span 50 MHz

#Res BW 510 kHz #VBW 1.5 MHz #Sweep 10 s (490 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
<b>23.0192 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	491.836 kHz	
<b>x dB Bandwidth</b>	24.592 MHz	

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

**3.5. LTE-A Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:5,  
Channel:40526|40670, Bandwidth:10|20MHz, Modulation:QPSK, RB  
Number:Full|Full, RB Position:Low|Low)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2593.3	99	26	0.62	Peak	27.95	32.56	30	Pass

**Agilent** 21:57:06 Oct 25, 2024

**Ch Freq** 2.5933 GHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 11.5 dB

Center 2.593 30 GHz Span 60 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
<b>27.9475 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		-303.740 kHz
<b>x dB Bandwidth</b>		32.557 MHz

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

**3.6. LTE-A Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:6,  
Channel:40526|40670, Bandwidth:10|20MHz, Modulation:16QAM, RB  
Number:Full|Full, RB Position:Low|Low)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2593.3	99	26	0.62	Peak	27.89	31.58	30	Pass

**Agilent** 21:57:35 Oct 25, 2024

**Ch Freq** 2.5933 GHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 11.5 dB

Center 2.593 30 GHz Span 60 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
<b>27.8876 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	-329.576 kHz	
<b>x dB Bandwidth</b>	31.582 MHz	

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

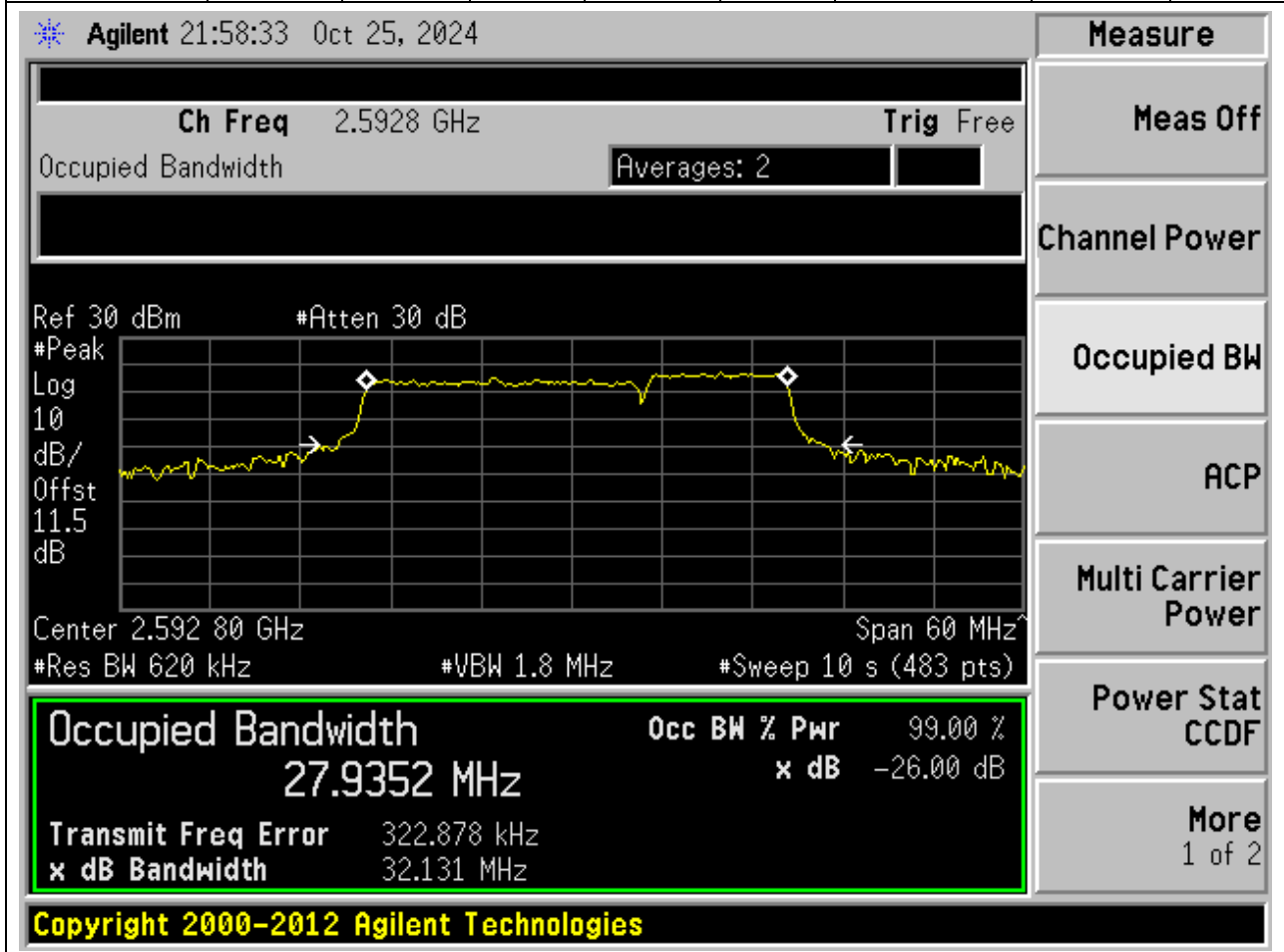
Multi Carrier Power

Power Stat CCDF

More  
1 of 2

**3.7. LTE-A Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:7,  
Channel:40571|40715, Bandwidth:20|10MHz, Modulation:QPSK, RB  
Number:Full|Full, RB Position:Low|Low)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2592.8	99	26	0.62	Peak	27.94	32.13	30	Pass



**3.8. LTE-A Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:8,  
Channel:40571|40715, Bandwidth:20|10MHz, Modulation:16QAM, RB  
Number:Full|Full, RB Position:Low|Low)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2592.8	99	26	0.62	Peak	28	31.21	30	Pass

**Agilent** 21:59:03 Oct 25, 2024

Ch Freq 2.5928 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.5 dB

Center 2.592 80 GHz Span 60 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
28.0038 MHz	x dB	-26.00 dB
Transmit Freq Error	337.807 kHz	
x dB Bandwidth	31.211 MHz	

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**3.9. LTE-A Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:9,  
Channel:40545|40695, Bandwidth:15|15MHz, Modulation:QPSK, RB  
Number:Full|Full, RB Position:Low|Low)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2593	99	26	0.62	Peak	28.47	36.12	30	Pass

**Agilent** 22:00:00 Oct 25, 2024

**Ch Freq** 2.593 GHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 11.5 dB

Center 2.593 00 GHz Span 60 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
<b>28.4733 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	13.799 kHz	
<b>x dB Bandwidth</b>	36.115 MHz	

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

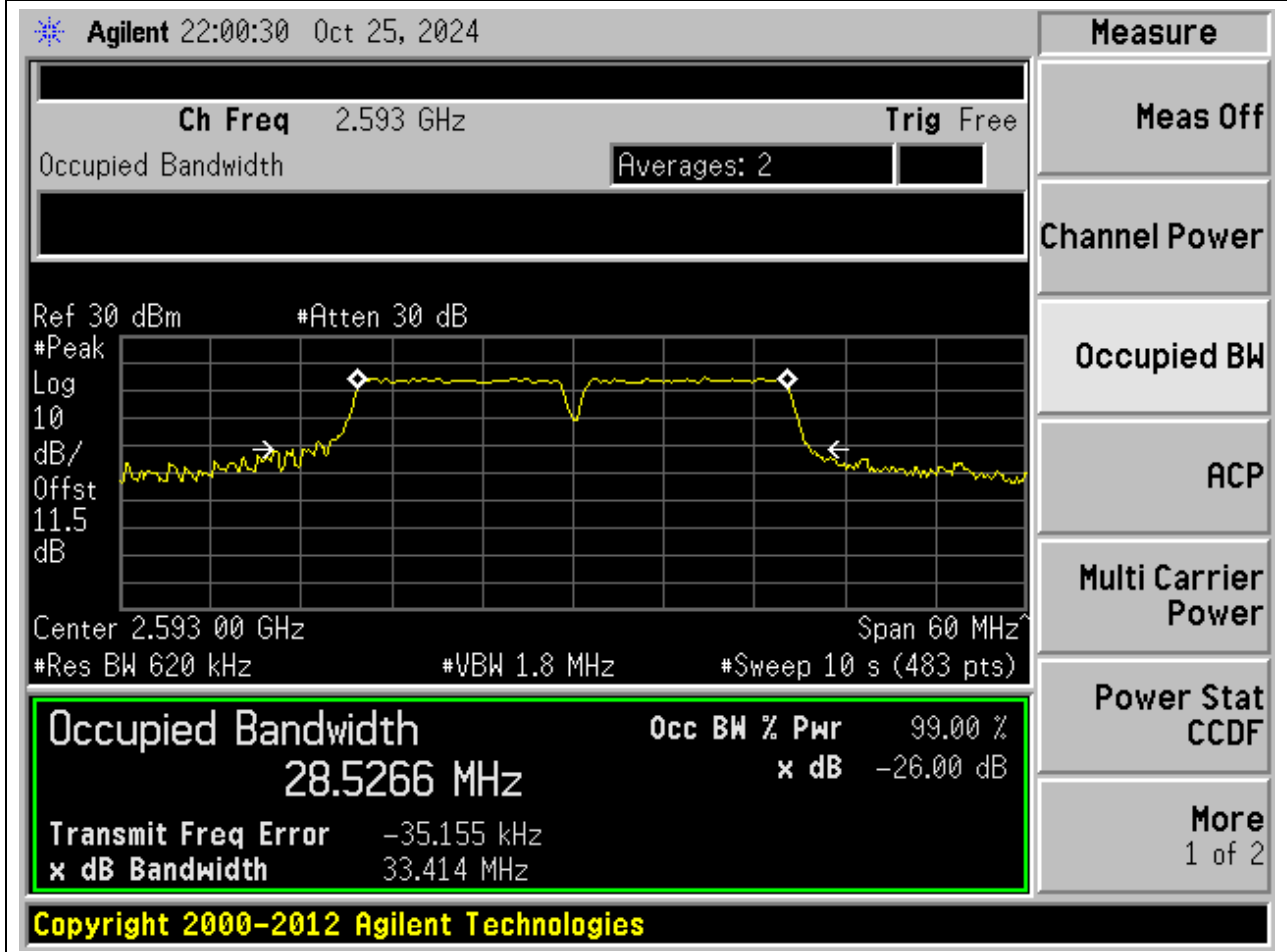
Power Stat CCDF

More 1 of 2



**3.10. LTE-A Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:10,  
Channel:40545|40695, Bandwidth:15|15MHz, Modulation:16QAM, RB  
Number:Full|Full, RB Position:Low|Low)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2593	99	26	0.62	Peak	28.53	33.41	30	Pass



**3.11. LTE-A Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:11, Channel:40523|40694, Bandwidth:15|20MHz, Modulation:QPSK, RB Number:Full|Full, RB Position:Low|Low)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2593.1	99	26	0.68	Peak	32.89	38.92	35	Pass

**Agilent** 22:01:04 Oct 25, 2024

**Ch Freq** 2.5931 GHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 11.5 dB

Center 2.593 10 GHz Span 70 MHz

#Res BW 680 kHz #VBW 2 MHz #Sweep 10 s (514 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
32.8922 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	-150.734 kHz	
<b>x dB Bandwidth</b>	38.917 MHz	

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

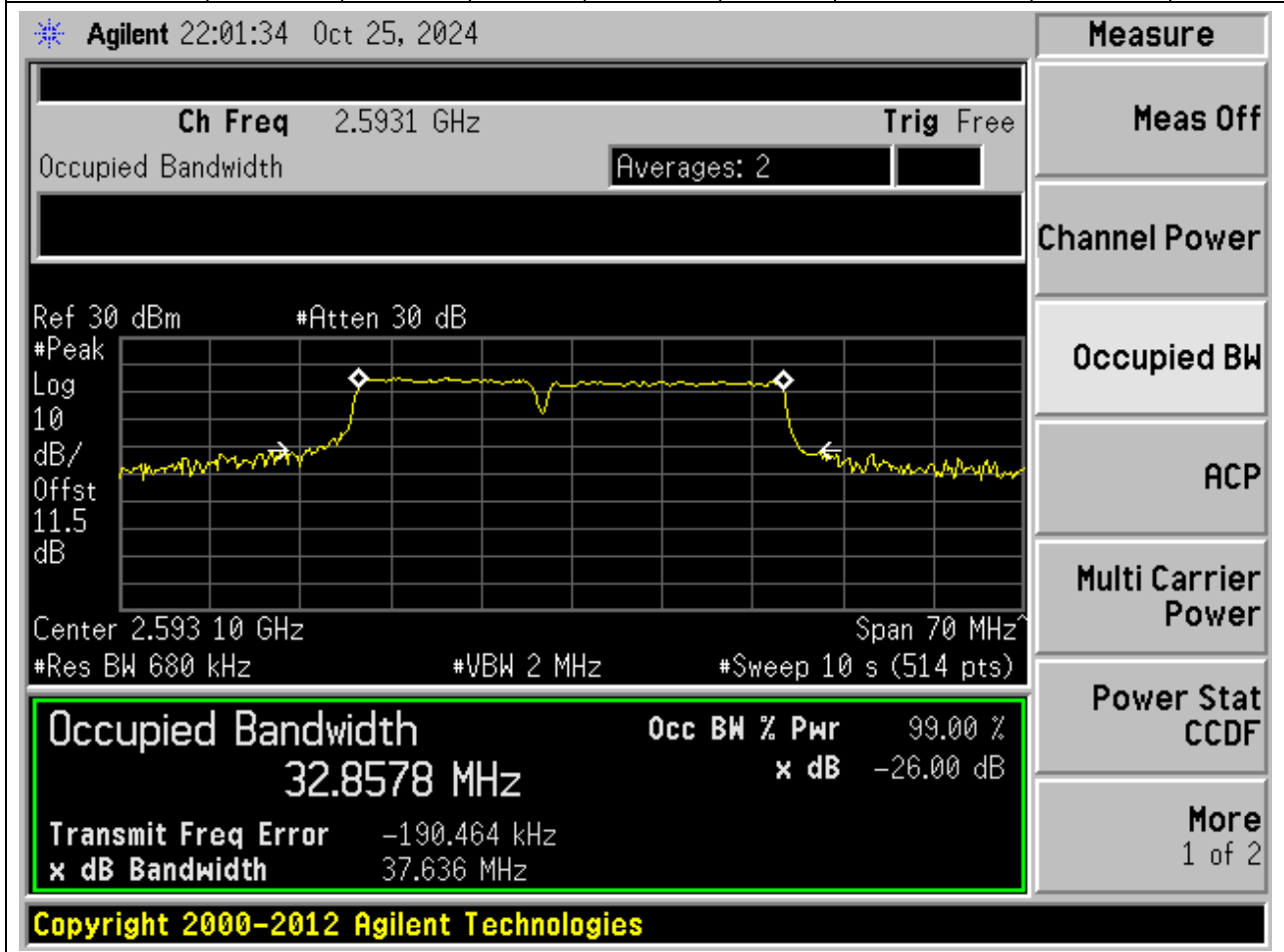
Multi Carrier Power

Power Stat CCDF

More 1 of 2

**3.12. LTE-A Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:12,  
Channel:40523|40694, Bandwidth:15|20MHz, Modulation:16QAM, RB  
Number:Full|Full, RB Position:Low|Low)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2593.1	99	26	0.68	Peak	32.86	37.64	35	Pass



**3.13. LTE-A Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:13, Channel:40546|40717, Bandwidth:20|15MHz, Modulation:QPSK, RB Number:Full|Full, RB Position:Low|Low)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2592.9	99	26	0.68	Peak	32.89	37.01	35	Pass

**Agilent** 22:02:31 Oct 25, 2024

**Ch Freq** 2.5929 GHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 11.5 dB

Center 2.592 90 GHz Span 70 MHz

#Res BW 680 kHz #VBW 2 MHz #Sweep 10 s (514 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
32.8932 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> 163.272 kHz	
<b>x dB Bandwidth</b> 37.010 MHz	

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

3.14. LTE-A Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:14,  
 Channel:40546|40717, Bandwidth:20|15MHz, Modulation:16QAM, RB  
 Number:Full|Full, RB Position:Low|Low)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2592.9	99	26	0.68	Peak	32.84	36.39	35	Pass

**Agilent** 22:03:01 Oct 25, 2024

Ch Freq 2.5929 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.5 dB

Center 2.592 90 GHz Span 70 MHz

#Res BW 680 kHz #VBW 2 MHz #Sweep 10 s (514 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
32.8435 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	111.545 kHz	
<b>x dB Bandwidth</b>	36.395 MHz	

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

**3.15. LTE-A Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:15, Channel:40521|40719, Bandwidth:20|20MHz, Modulation:QPSK, RB Number:Full|Full, RB Position:Low|Low)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2593	99	26	0.82	Peak	37.8	45.71	40	Pass

**Agilent** 22:03:36 Oct 25, 2024

Ch Freq 2.593 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 11.5 dB

Center 2.593 00 GHz Span 80 MHz

#Res BW 820 kHz #VBW 2.4 MHz #Sweep 10 s (487 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
37.7972 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	9.696 kHz	
<b>x dB Bandwidth</b>	45.710 MHz	

**Measure**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

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3.16. LTE-A Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:16,  
 Channel:40521|40719, Bandwidth:20|20MHz, Modulation:16QAM, RB  
 Number:Full|Full, RB Position:Low|Low)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2593	99	26	0.82	Peak	37.79	46.92	40	Pass

Agilent 22:04:05 Oct 25, 2024

Ch Freq 2.593 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 11.5 dB

Center 2.593 00 GHz Span 80 MHz

#Res BW 820 kHz #VBW 2.4 MHz #Sweep 10 s (487 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
37.7862 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	-10.409 kHz	
<b>x dB Bandwidth</b>	46.921 MHz	

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

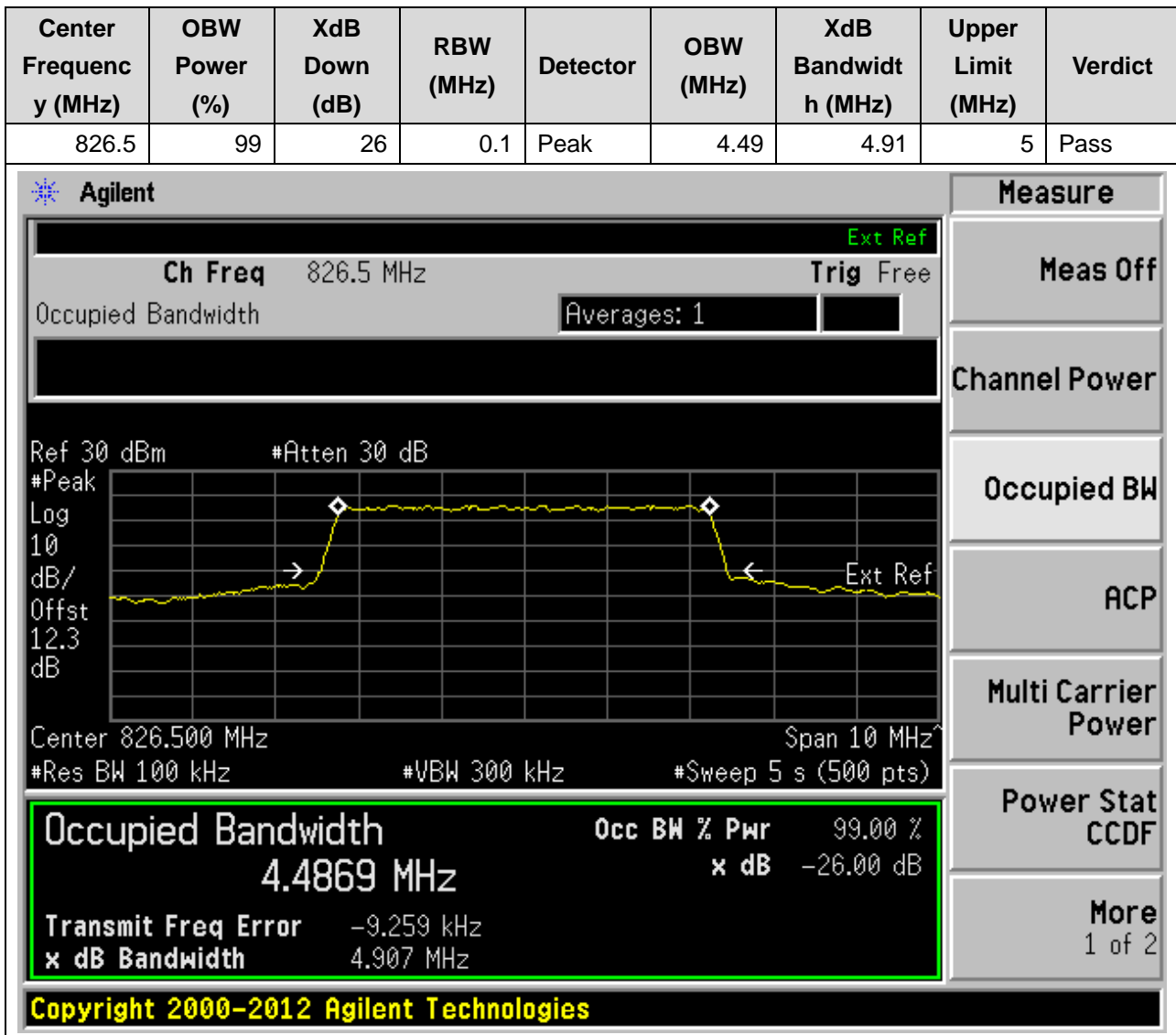
Multi Carrier Power

Power Stat CCDF

More  
1 of 2

## 5. n5

5.1. 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)





**5.2. 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	4.95	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 4.4890 MHz, which is 99.00% of the channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -9.143 kHz. The XdB bandwidth is 4.946 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
4.4890 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -9.143 kHz  
x dB Bandwidth: 4.946 MHz

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**5.3. 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)**

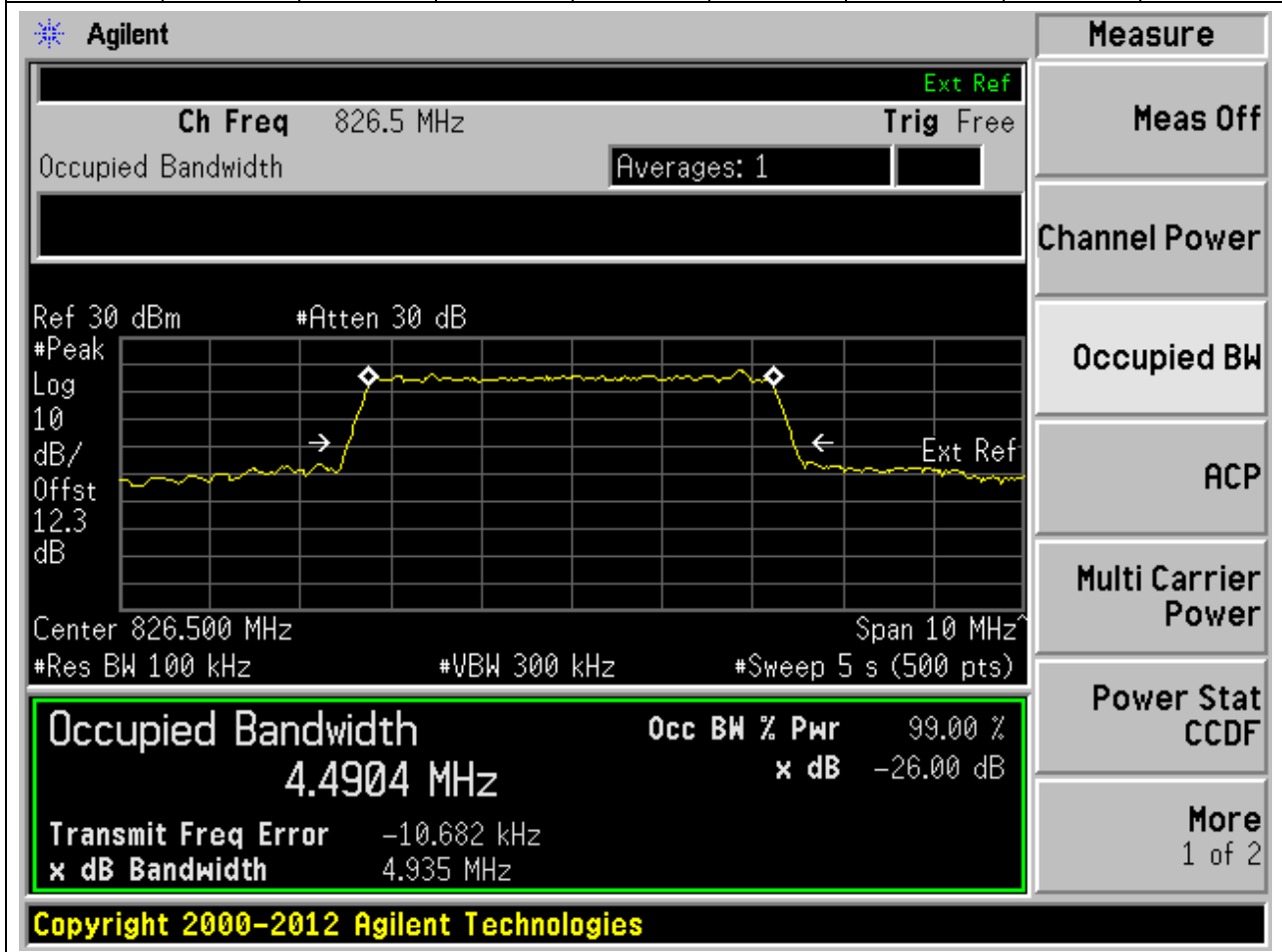
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
846.5	99	26	0.1	Peak	4.49	4.93	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 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 4.4868 MHz, which is 99.00% of the channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -14.259 kHz, and the XdB bandwidth is 4.930 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 %
4.4868 MHz	x dB	-26.00 dB
Transmit Freq Error		-14.259 kHz
x dB Bandwidth		4.930 MHz

**5.4. 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	4.94	5	Pass



**5.5. 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	4.49	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	4.4853 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-12.930 kHz
x dB Bandwidth	4.901 MHz

Additional parameters shown in the interface include: Ch Freq 836.5 MHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log 10 dB/Offst 12.3 dB, Center 836.500 MHz, Span 10 MHz, #Res BW 100 kHz, #VBW 300 kHz, #Sweep 5 s (500 pts). 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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**5.6. 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)**

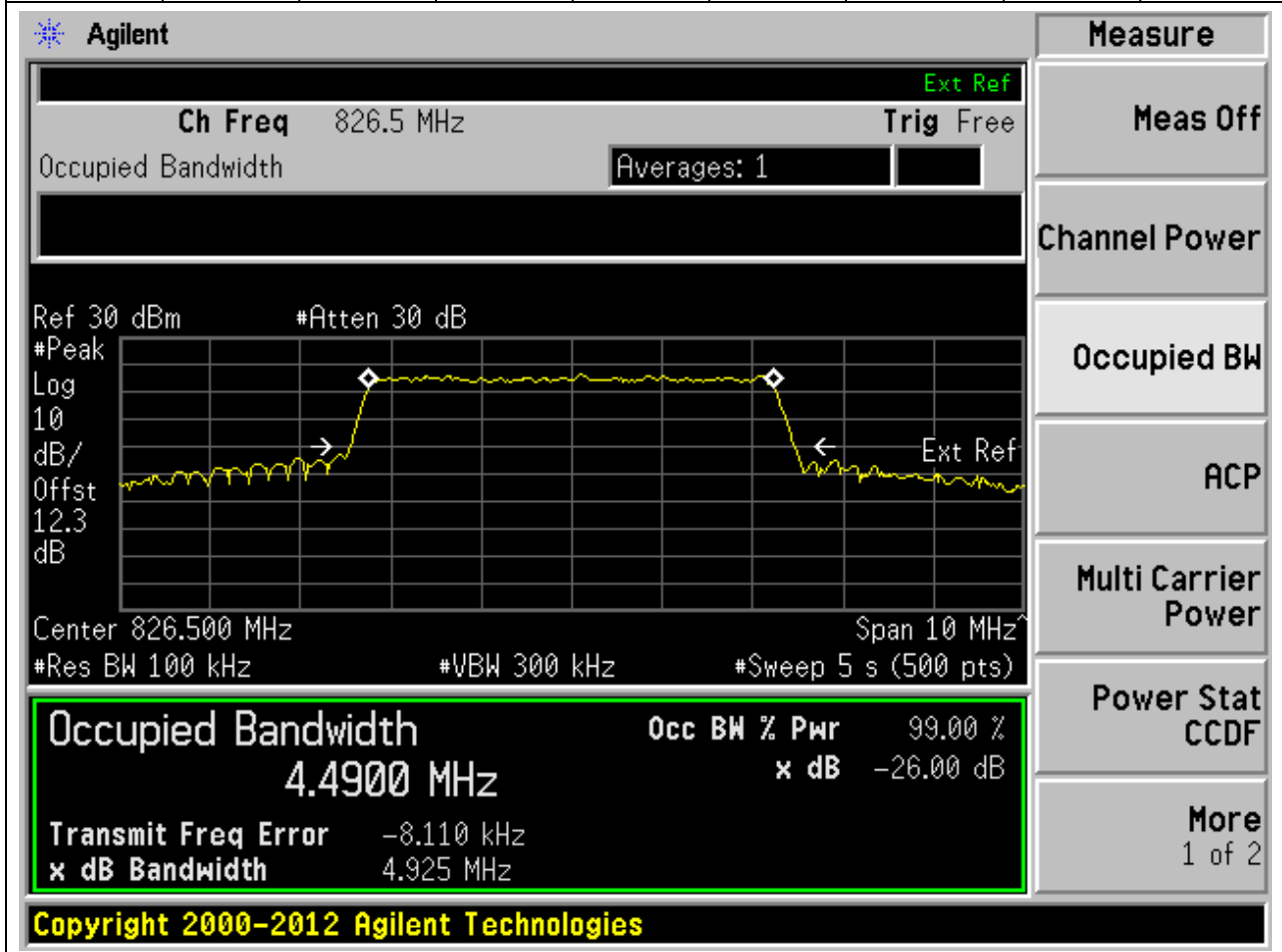
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
846.5	99	26	0.1	Peak	4.49	4.92	5	Pass

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 4.4900 MHz, which is 99.00% of the channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -14.329 kHz, and the XdB bandwidth is 4.923 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 %
4.4900 MHz	x dB	-26.00 dB
Transmit Freq Error		-14.329 kHz
x dB Bandwidth		4.923 MHz

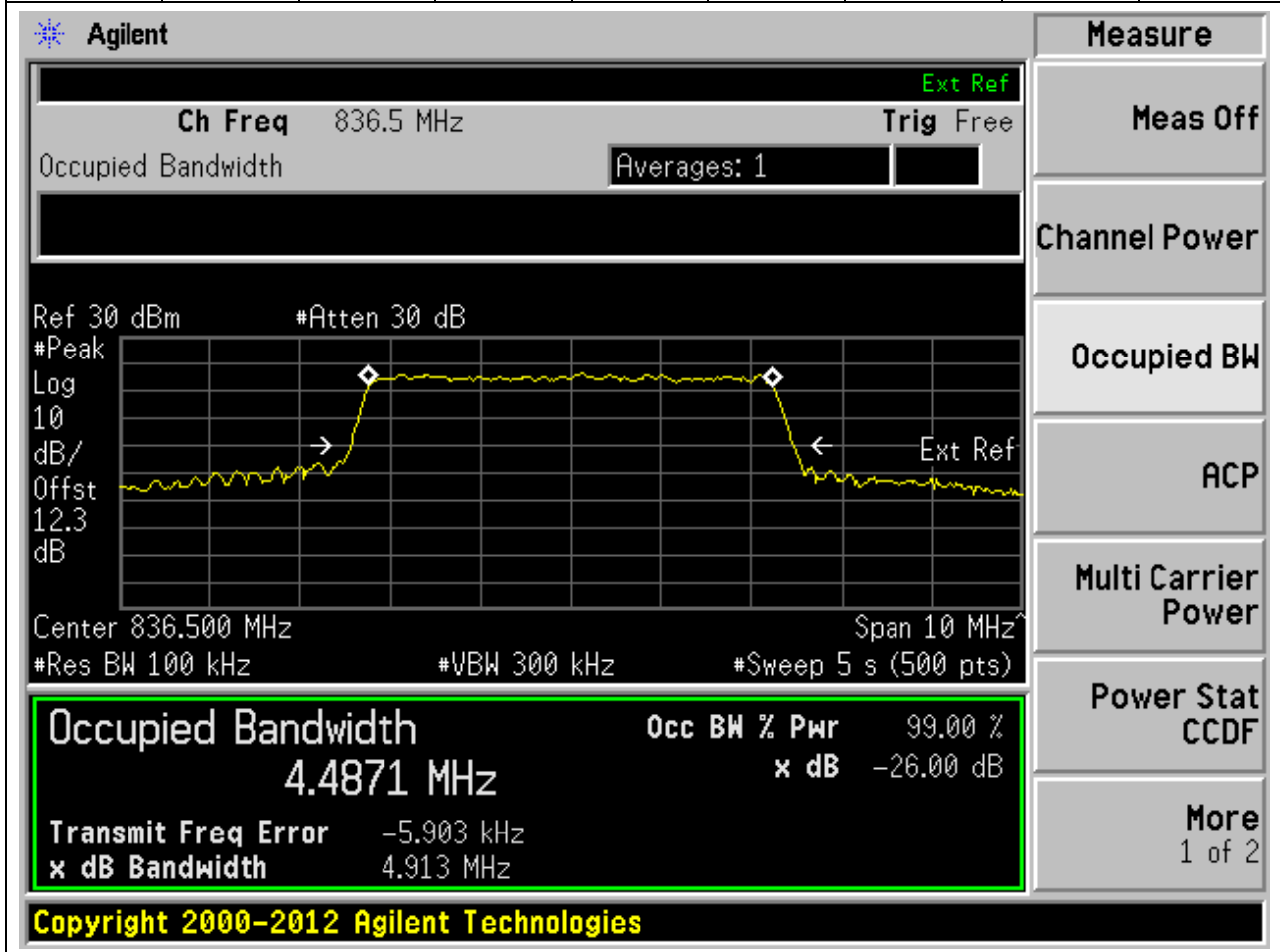
**5.7. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:165300, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:25, RB Position:0)**

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	4.49	4.92	5	Pass



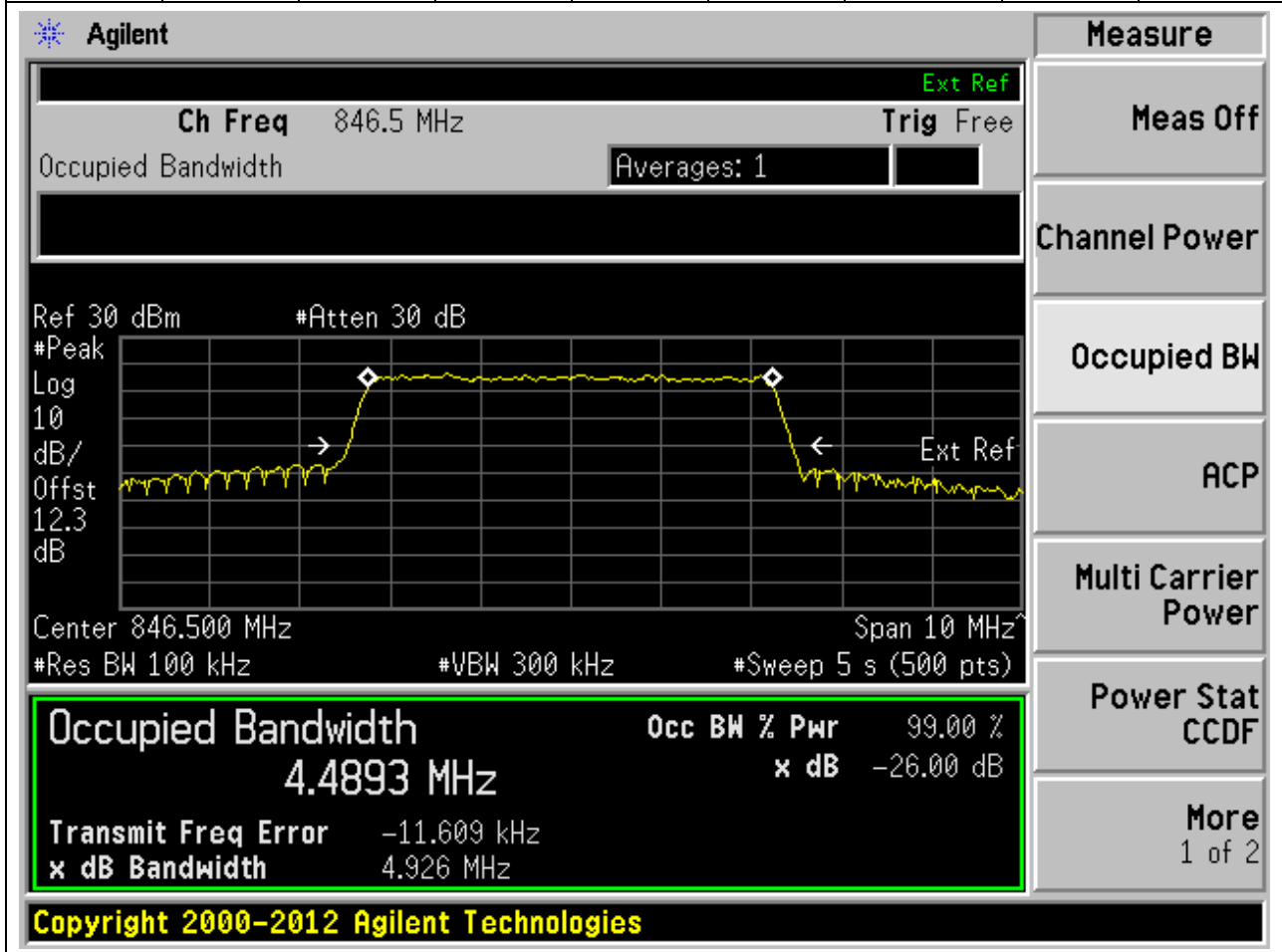
**5.8. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:167300, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:25, RB Position:0)**

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	4.49	4.91	5	Pass



**5.9. 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	4.49	4.93	5	Pass





**5.10. 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	4.49	4.89	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The center frequency is 826.500 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 4.4930 MHz, which is 99.00% of the channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -5.323 kHz. The XdB bandwidth is 4.890 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
4.4930 MHz	99.00 %	-26.00 dB

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**5.11. 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	4.49	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	4.4913 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-8.988 kHz
x dB Bandwidth	4.901 MHz

Additional parameters shown in the interface include: Ch Freq 836.5 MHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 12.3 dB, Center 836.500 MHz, Span 10 MHz, #Res BW 100 kHz, #VBW 300 kHz, #Sweep 5 s (500 pts).

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**5.12. 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	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	4.4926 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-9.474 kHz
x dB Bandwidth	4.896 MHz

Additional parameters shown in the interface include: Ch Freq 846.5 MHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 12.3 dB, Center 846.500 MHz, Span 10 MHz, #Res BW 100 kHz, #VBW 300 kHz, #Sweep 5 s (500 pts). 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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**5.13. 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	9.62	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 9.2643 MHz, which is 99.00% of the channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -4.636 kHz. The XdB bandwidth is 9.619 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
9.2643 MHz	99.00 %	-26.00 dB

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**5.14. 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	9.6	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 836.500 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 (3333 points). The occupied bandwidth is measured as 9.2641 MHz, which is 99.00% of the channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -7.906 kHz, and the XdB bandwidth is 9.597 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 %
9.2641 MHz	x dB	-26.00 dB
Transmit Freq Error	-7.906 kHz	
x dB Bandwidth	9.597 MHz	

**5.15. 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	9.26	9.6	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 844.000 MHz and the span is 20 MHz. The occupied bandwidth is measured as 9.2606 MHz. The power is 99.00% and the XdB down is -26.00 dB. The interface includes various control buttons on the right side, such as '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 information: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
9.2606 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -11.213 kHz  
x dB Bandwidth: 9.599 MHz

**5.16. 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	9.63	10	Pass

**Agilent**

Ch Freq 829 MHz Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 12.3 dB

Center 829.000 MHz Span 20 MHz

#Res BW 30 kHz #VBW 1 MHz #Sweep 5 s (3333 pts)

**Occupied Bandwidth** 9.2742 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -1.915 kHz

x dB Bandwidth 9.626 MHz

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**5.17. 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	9.27	9.65	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 836.500 MHz and the span is 20 MHz. The occupied bandwidth is measured as 9.2704 MHz. The power is 99.00% and the XdB bandwidth is 9.646 MHz. The XdB down is -26.00 dB. The transmit frequency error is -7.767 kHz. The RBW is 30 kHz, VBW is 1 MHz, and the sweep time is 5 s (3333 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 1 of 2'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
9.2704 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -7.767 kHz  
x dB Bandwidth: 9.646 MHz

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**5.18. 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	9.26	9.64	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 844.000 MHz and the span is 20 MHz. The occupied bandwidth is measured as 9.2636 MHz. The power is 99.00% and the XdB bandwidth is 9.643 MHz. The XdB down is -26.00 dB. The transmit frequency error is -13.047 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'.

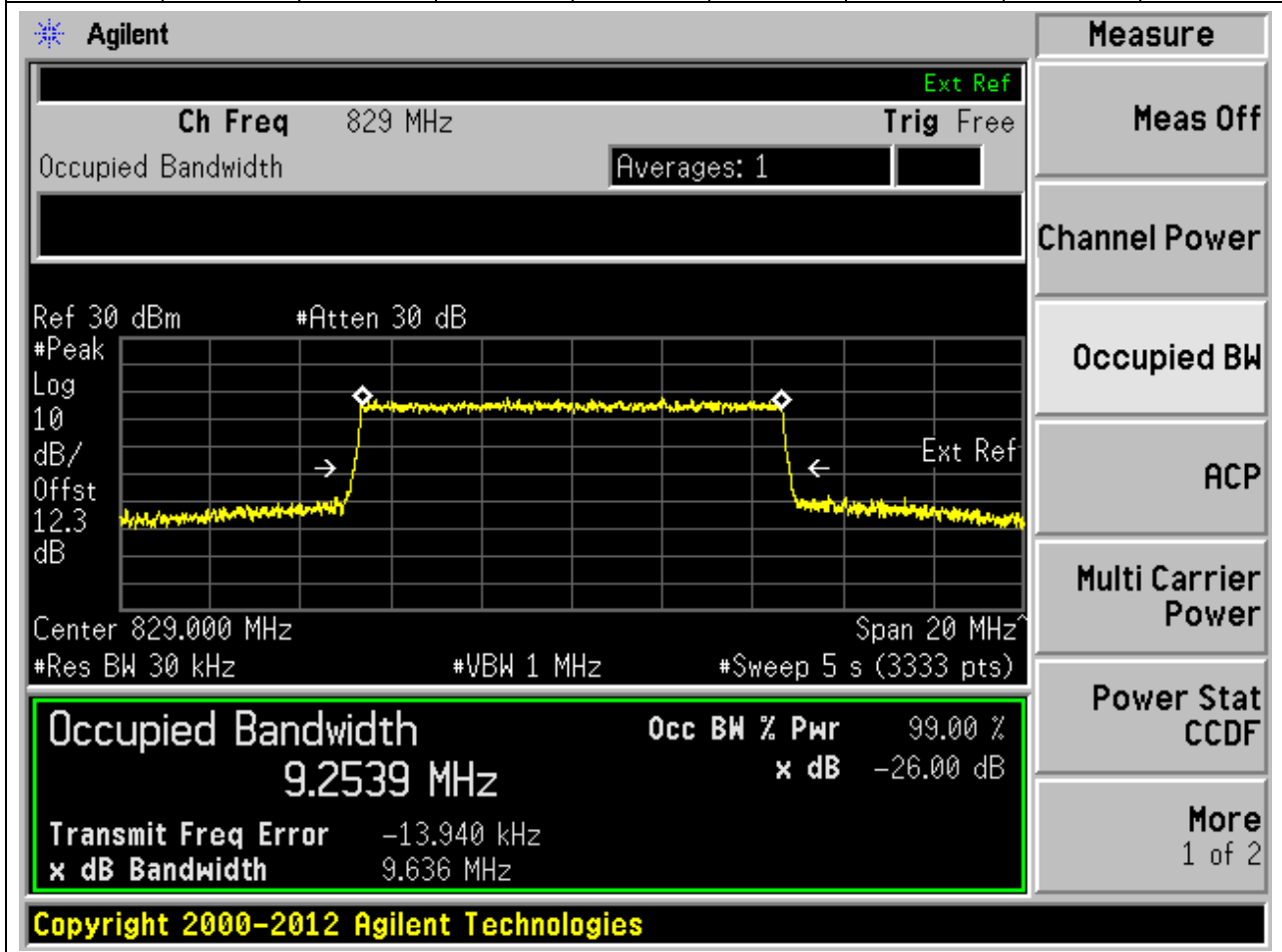
Occupied Bandwidth	Occ BW % Pwr	x dB
9.2636 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -13.047 kHz  
x dB Bandwidth: 9.643 MHz

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**5.19. 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	9.64	10	Pass



**5.20. 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	9.6	10	Pass

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

Measurement	Value
Occupied Bandwidth	9.2493 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-16.364 kHz
x dB Bandwidth	9.597 MHz

Additional parameters shown in the interface include: Ch Freq 836.5 MHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log 10 dB/Offst 12.3 dB, Center 836.500 MHz, Span 20 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 5 s (3333 pts).

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**5.21. 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	9.24	9.55	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 844.000 MHz and the span is 20 MHz. The occupied bandwidth is measured as 9.2427 MHz. The power is 99.00% and the XdB bandwidth is 9.554 MHz. The XdB down is -26.00 dB. The transmit frequency error is -19.646 kHz. The interface also shows various settings like Res BW (30 kHz), VBW (1 MHz), and Sweep (5 s). A 'Measure' menu on the right lists various measurement options like Meas Off, Channel Power, Occupied BW, ACP, Multi Carrier Power, Power Stat CCDF, and More.

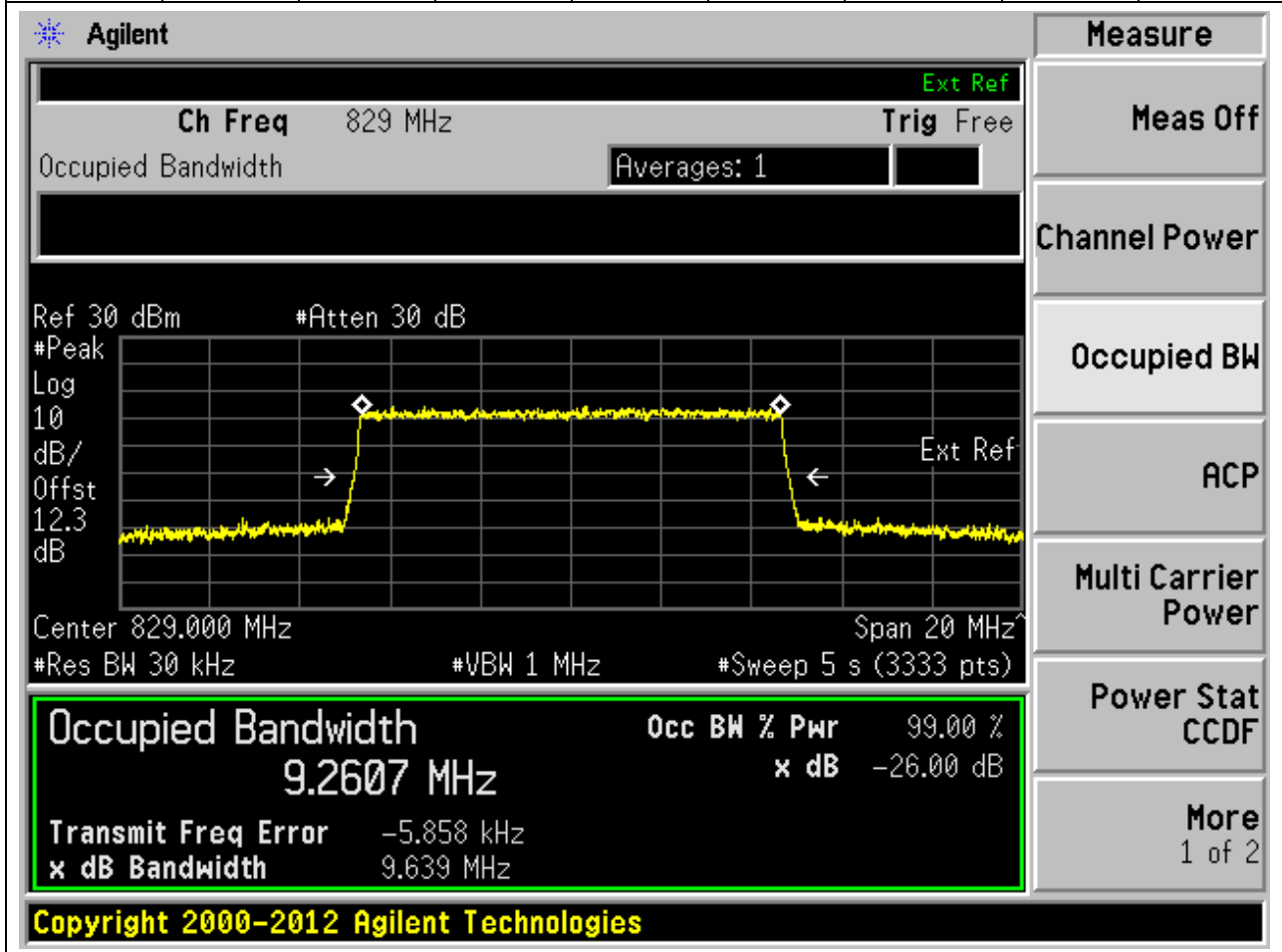
Occupied Bandwidth	Occ BW % Pwr	x dB
9.2427 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -19.646 kHz  
x dB Bandwidth: 9.554 MHz

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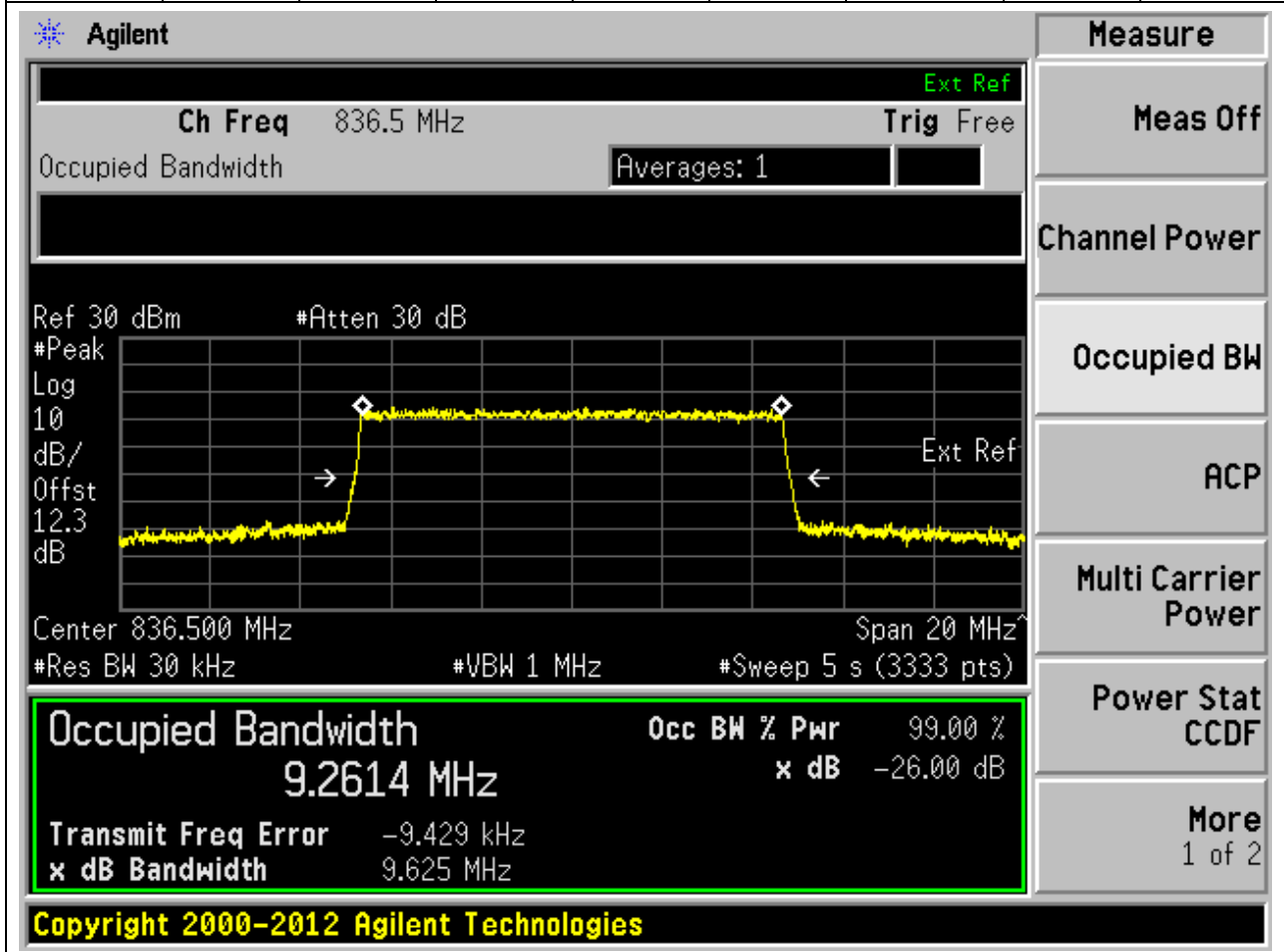
**5.22. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:165800, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:52, RB Position:0)**

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	9.26	9.64	10	Pass



**5.23. 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	9.62	10	Pass



**5.24. 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	9.26	9.63	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 844.000 MHz and the span is 20 MHz. The occupied bandwidth is measured as 9.2649 MHz. The power is 99.00% and the XdB bandwidth is 9.630 MHz. The XdB down is -26.00 dB. The transmit frequency error is -14.000 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	x dB
9.2649 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -14.000 kHz  
x dB Bandwidth: 9.630 MHz

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**5.25. 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	14.09	14.52	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 831.500 MHz and the span is 30 MHz. The occupied bandwidth is measured as 14.0901 MHz. The power is 99.00% and the XdB bandwidth is 14.516 MHz. The XdB down is -26.00 dB. The transmit frequency error is -3.216 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
14.0901 MHz	99.00 %	-26.00 dB

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**5.26. 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	14.1	14.54	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 836.500 MHz and the span is 30 MHz. The occupied bandwidth is highlighted in a green box with the following values:

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
<b>14.1002 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		-6.361 kHz
<b>x dB Bandwidth</b>		14.540 MHz

Additional parameters shown include: Ch Freq 836.5 MHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log 10 dB/Offst 12.3 dB, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 5 s (5000 pts), and Span 30 MHz. The right-hand menu shows various measurement options like Meas Off, Channel Power, Occupied BW, ACP, Multi Carrier Power, Power Stat CCDF, and More (1 of 2).

**5.27. 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	14.09	14.54	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 resolution bandwidth (RBW) is 30 kHz, and the video bandwidth (VBW) is 1 MHz. The sweep time is 5 seconds (5000 points). The occupied bandwidth is measured as 14.0914 MHz, which is 99.00% of the channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -15.209 kHz, and the XdB bandwidth is 14.536 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'.

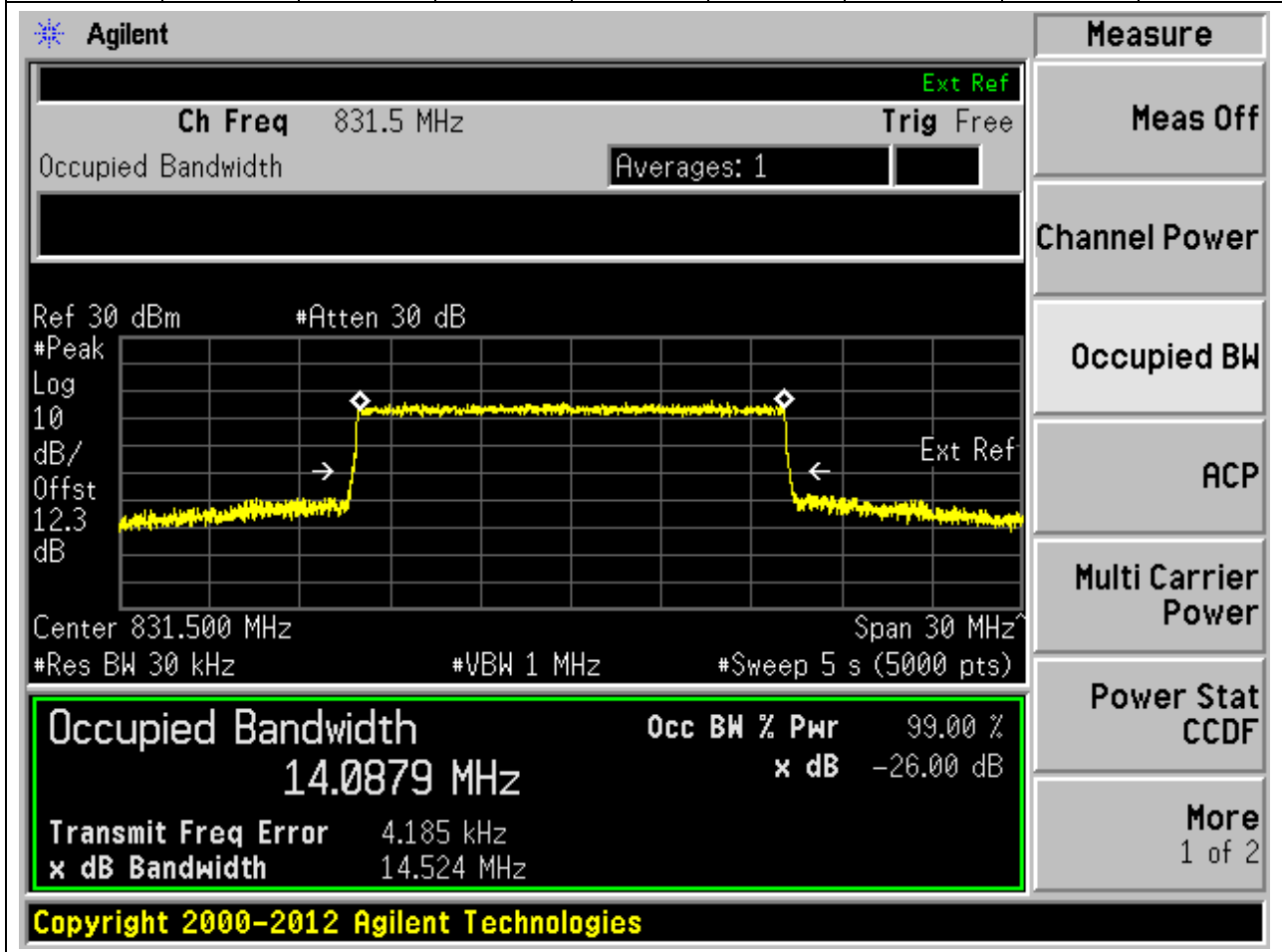
Occupied Bandwidth	Occ BW % Pwr	x dB
14.0914 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -15.209 kHz  
x dB Bandwidth: 14.536 MHz

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**5.28. 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	14.09	14.52	15	Pass



**5.29. 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	14.09	14.51	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 836.500 MHz and the span is 30 MHz. The occupied bandwidth is measured as 14.0903 MHz. The power is 99.00% and the XdB bandwidth is 14.508 MHz. The XdB down is -26.00 dB. The transmit frequency error is -1.696 kHz. The interface also shows various settings like Res BW (30 kHz), VBW (1 MHz), and Sweep (5 s). A 'Measure' menu on the right lists various measurement options like Meas Off, Channel Power, Occupied BW, ACP, Multi Carrier Power, Power Stat CCDF, and More.

Occupied Bandwidth	Occ BW % Pwr	x dB
14.0903 MHz	99.00 %	-26.00 dB

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**5.30. 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	14.09	14.5	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow signal trace. The center frequency is 841.500 MHz, and the span is 30 MHz. The occupied bandwidth is measured as 14.0938 MHz. The power is 99.00% and the XdB down is -26.00 dB. The interface includes various measurement controls and a summary table at the bottom.

Occupied Bandwidth		Occ BW % Pwr	99.00 %
14.0938 MHz		x dB	-26.00 dB
Transmit Freq Error	-9.377 kHz		
x dB Bandwidth	14.495 MHz		

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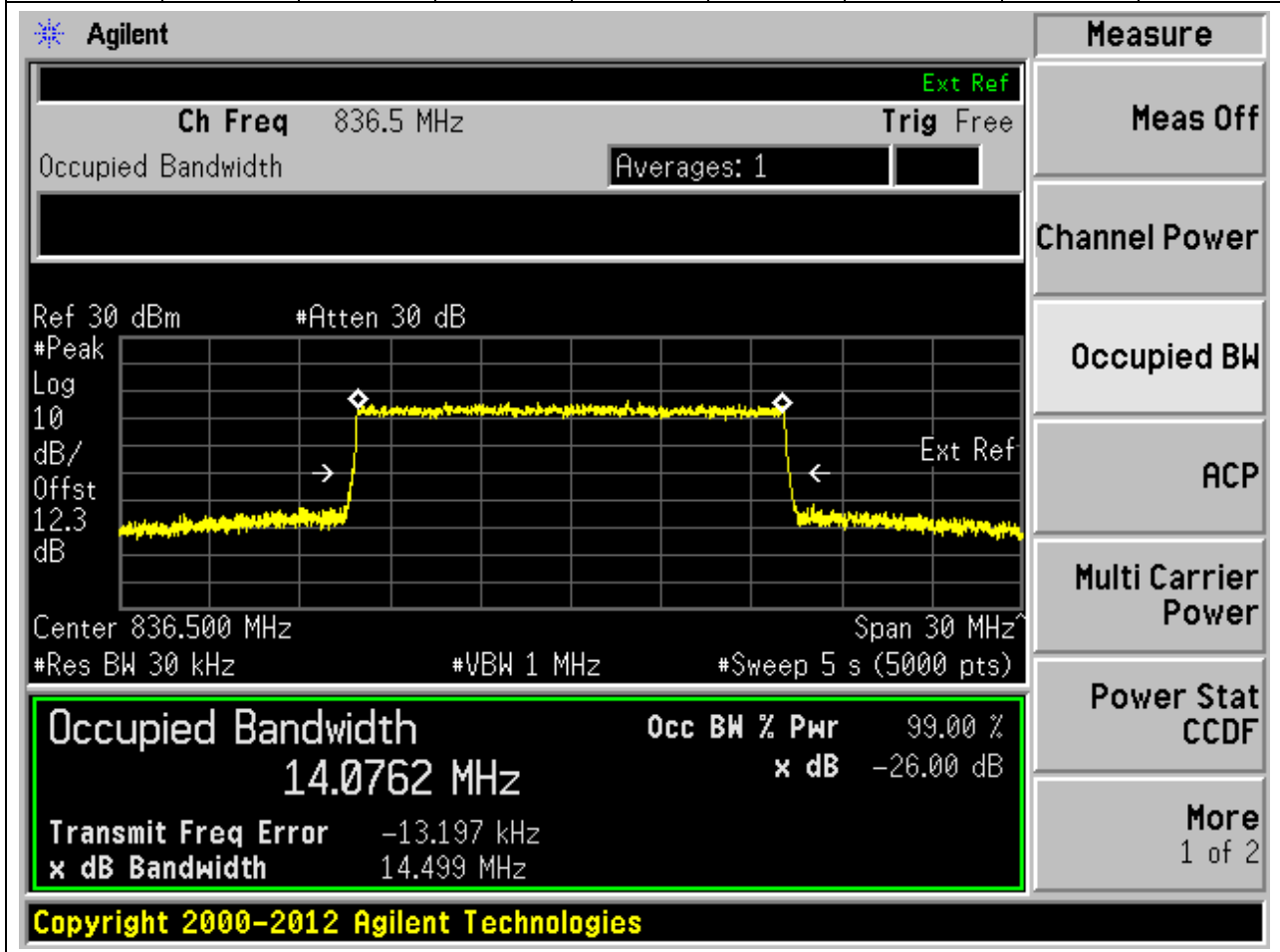
**5.31. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:166300, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:79, RB Position:0)**

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	14.08	14.45	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow signal trace. The center frequency is 831.500 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 occupied bandwidth is measured as 14.0776 MHz, which is 99.00% of the channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -12.932 kHz, and the XdB bandwidth is 14.453 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'.

**5.32. 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	14.5	15	Pass



**5.33. 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	14.07	14.48	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 841.500 MHz, and the span is 30 MHz. The occupied bandwidth is highlighted in a green box with the following values:

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
<b>14.0743 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		-21.520 kHz
<b>x dB Bandwidth</b>		14.475 MHz

Other visible parameters include: Ch Freq 841.5 MHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 12.3 dB, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 5 s (5000 pts), and Span 30 MHz. The right-hand side of the interface shows a 'Measure' menu with options: Meas Off, Channel Power, Occupied BW, ACP, Multi Carrier Power, Power Stat CCDF, and More (1 of 2).

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**5.34. 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	14.05	14.48	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The center frequency is 831.500 MHz, and the span is 30 MHz. The occupied bandwidth is measured as 14.0531 MHz. The power is 99.00% and the XdB bandwidth is 14.482 MHz. The XdB down is -26.00 dB. The transmit frequency error is -5.707 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 1 of 2'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
14.0531 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -5.707 kHz  
x dB Bandwidth: 14.482 MHz

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**5.35. 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	14.04	14.46	15	Pass

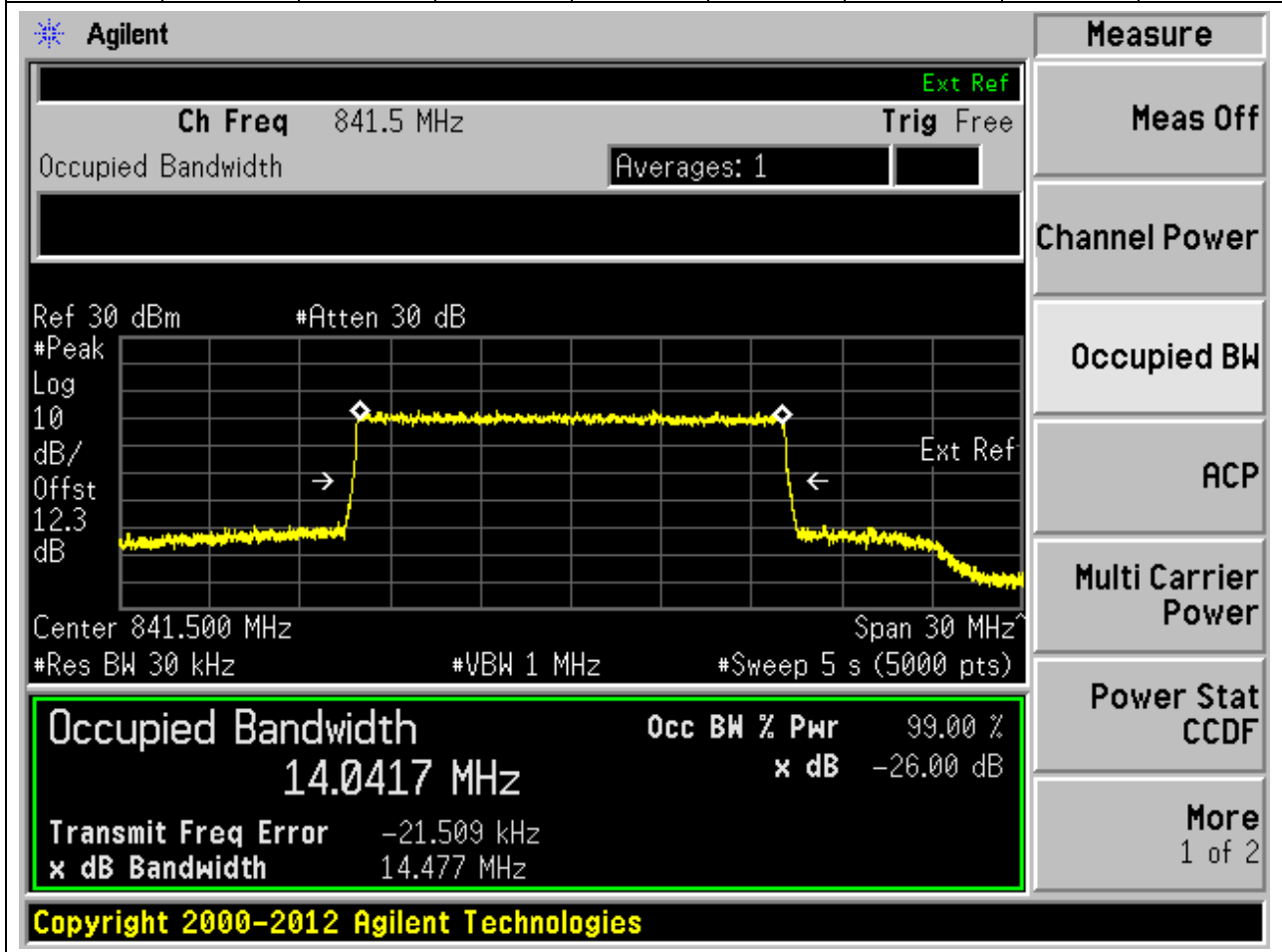
The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow signal trace. The center frequency is 836.500 MHz and the span is 30 MHz. The occupied bandwidth is measured as 14.0439 MHz. The power is 99.00% and the XdB down is -26.00 dB. The interface 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'. A summary box at the bottom left highlights the key measurement results.

Measurement	Value
Occupied Bandwidth	14.0439 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-11.978 kHz
x dB Bandwidth	14.458 MHz

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**5.36. 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	14.04	14.48	15	Pass



**5.37. 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	18.88	19.36	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a yellow signal trace on a grid. The center frequency is 834.000 MHz and the span is 40 MHz. The occupied bandwidth is highlighted in a green box with the following values:

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
<b>18.8793 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		-15.811 kHz
<b>x dB Bandwidth</b>		19.359 MHz

Other parameters shown include: Ch Freq 834 MHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 12.3 dB, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 5 s (6666 pts), and Ext Ref. The right-hand side of the interface features 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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**5.38. 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	19.38	20	Pass

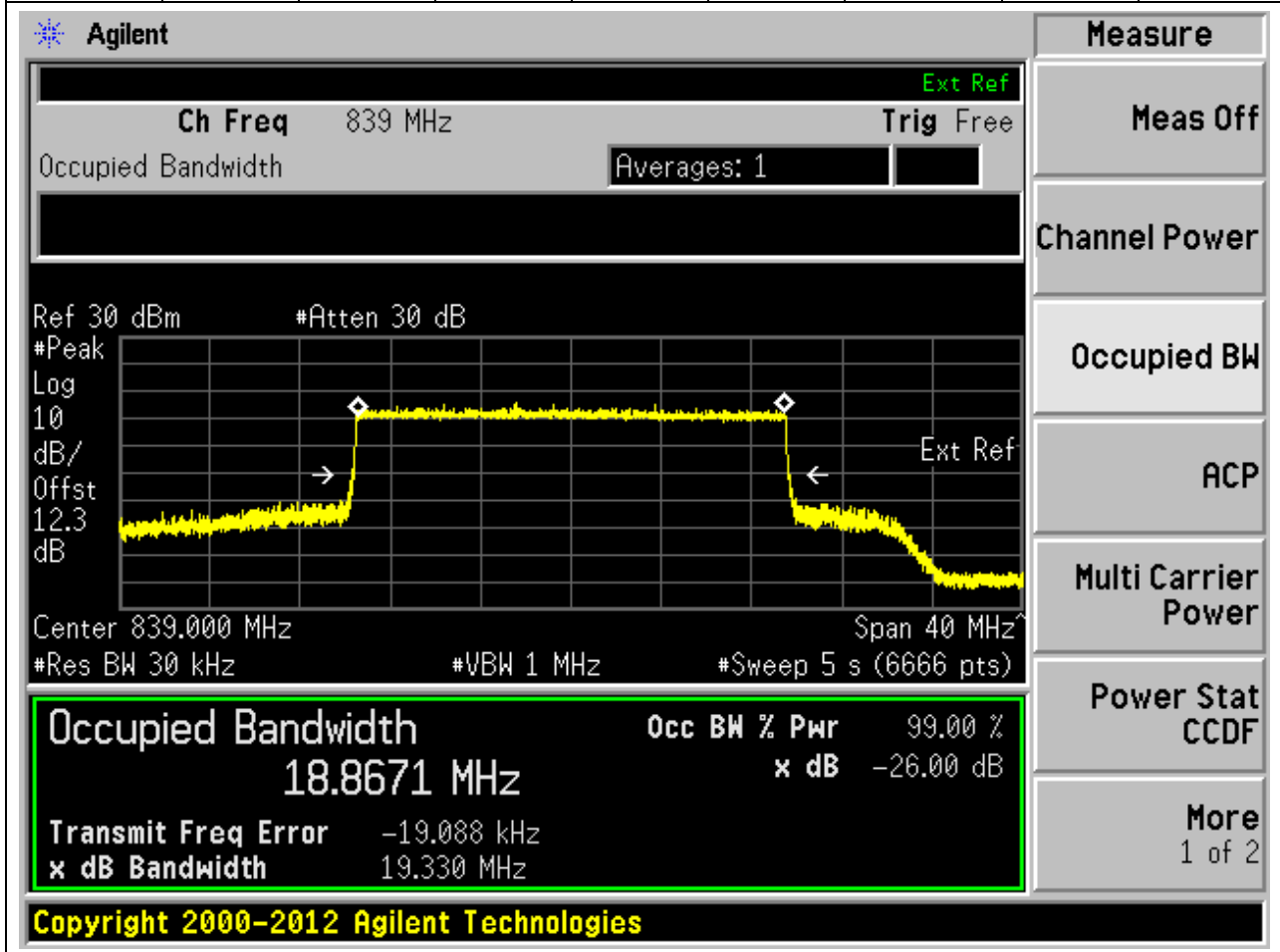
The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 836.500 MHz and the span is 40 MHz. The occupied bandwidth is highlighted in a green box as 18.8696 MHz. The power is 99.00% and the XdB bandwidth is 19.378 MHz. The XdB down is -26.00 dB. The transmit frequency error is -14.290 kHz. The interface also shows various settings like Res BW (30 kHz), VBW (1 MHz), and Sweep (5 s). A 'Measure' menu on the right lists various measurement options like Meas Off, Channel Power, Occupied BW, ACP, Multi Carrier Power, Power Stat CCDF, and More.

Occupied Bandwidth	Occ BW % Pwr	x dB
18.8696 MHz	99.00 %	-26.00 dB

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**5.39. 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	18.87	19.33	20	Pass



**5.40. 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	19.4	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a yellow signal trace on a grid. The center frequency is 834.000 MHz and the span is 40 MHz. The occupied bandwidth is highlighted in a green box with the following values:

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
<b>18.8911 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		-4.238 kHz
<b>x dB Bandwidth</b>		19.405 MHz

Additional parameters shown include: Ch Freq 834 MHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log 10 dB/Offst 12.3 dB, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 5 s (6666 pts), and Span 40 MHz. The right-hand side of the interface features 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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**5.41. 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	18.89	19.39	20	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 40 MHz. The occupied bandwidth is highlighted in a green box with the following values:

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
<b>18.8873 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		-5.608 kHz
<b>x dB Bandwidth</b>		19.393 MHz

Other visible parameters include: Ch Freq 836.5 MHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst, 12.3 dB, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 5 s (6666 pts), and Ext Ref. The right-hand side of the screen shows a 'Measure' menu with options: Meas Off, Channel Power, Occupied BW, ACP, Multi Carrier Power, Power Stat CCDF, and More (1 of 2).

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**5.42. 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	18.89	19.38	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a yellow signal trace on a grid. The center frequency is 839.000 MHz, and the span is 40 MHz. The resolution bandwidth (RBW) is 30 kHz, and the video bandwidth (VBW) is 1 MHz. The sweep time is 5 seconds (6666 points). The signal level is approximately 12.3 dB. The occupied bandwidth is highlighted in a green box, showing a value of 18.8852 MHz. The power is 99.00% and the XdB bandwidth is -26.00 dB. The transmit frequency error is -16.317 kHz, and the XdB bandwidth is 19.376 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
18.8852 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -16.317 kHz  
x dB Bandwidth: 19.376 MHz

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**5.43. 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	18.9	19.37	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 highlighted in a green box as 18.8956 MHz. The power is 99.00% and the XdB bandwidth is 19.371 MHz. The XdB down is -26.00 dB. The transmit frequency error is -14.975 kHz. The interface also shows various settings like Res BW (30 kHz), VBW (1 MHz), and Sweep (5 s). A 'Measure' menu on the right lists various measurement options like Meas Off, Channel Power, Occupied BW, ACP, Multi Carrier Power, Power Stat CCDF, and More.

Occupied Bandwidth	Occ BW % Pwr	x dB
18.8956 MHz	99.00 %	-26.00 dB

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**5.44. 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	18.88	19.33	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow signal trace. The center frequency is 836.500 MHz, and the span is 40 MHz. The occupied bandwidth is measured as 18.8787 MHz. The power is 99.00% and the XdB bandwidth is 19.334 MHz. The XdB down is -26.00 dB. The transmit frequency error is -20.760 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.

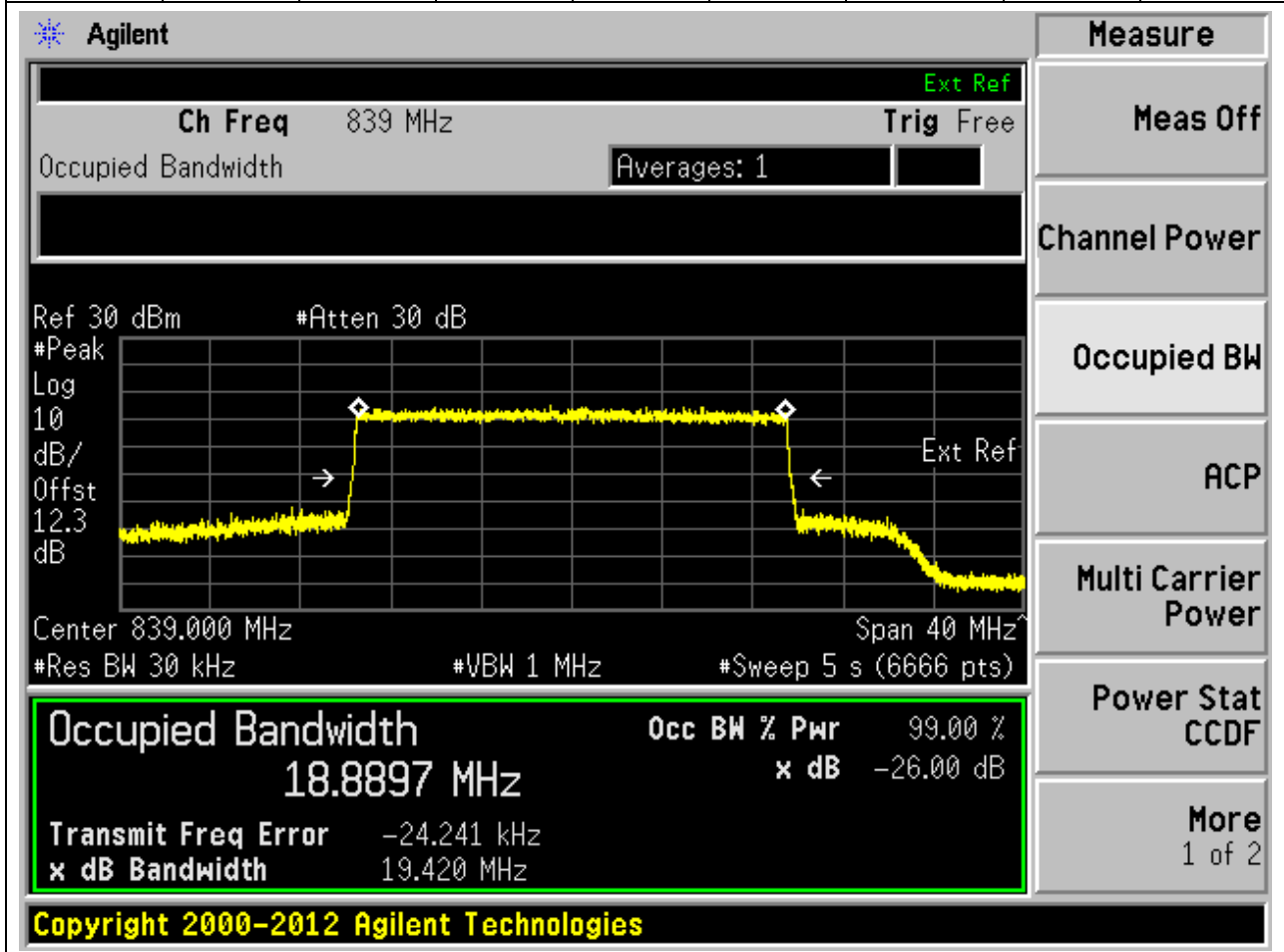
Occupied Bandwidth	Occ BW % Pwr	x dB
18.8787 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -20.760 kHz  
x dB Bandwidth: 19.334 MHz

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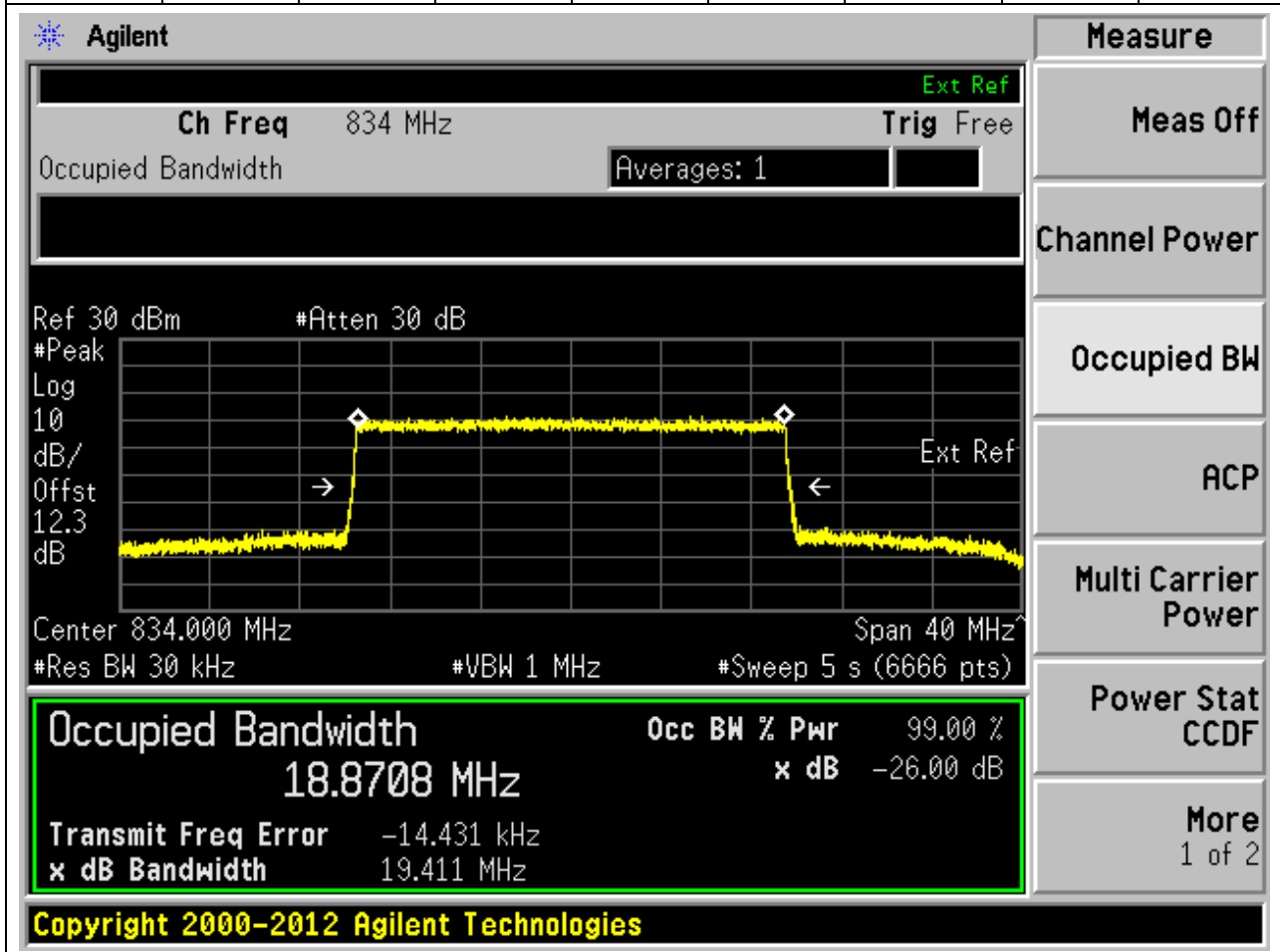
**5.45. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:167800, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:106, RB Position:0)**

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	18.89	19.42	20	Pass



**5.46. 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	18.87	19.41	20	Pass



**5.47. 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

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 40 MHz. The occupied bandwidth is highlighted as 18.8720 MHz. The power is 99.00% and the XdB bandwidth is 19.393 MHz. The XdB down is -26.00 dB. The transmit frequency error is -12.956 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 1 of 2'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
18.8720 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -12.956 kHz  
x dB Bandwidth: 19.393 MHz

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**5.48. 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	18.87	19.4	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a yellow signal trace on a grid. The center frequency is 839.000 MHz and the span is 40 MHz. The occupied bandwidth is highlighted in a green box with the following values:

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
<b>18.8750 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		-23.790 kHz
<b>x dB Bandwidth</b>		19.401 MHz

Other parameters shown include: Ch Freq 839 MHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst, 12.3 dB, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 5 s (6666 pts), and Span 40 MHz. The right-hand side of the interface shows a 'Measure' menu with options: Meas Off, Channel Power, Occupied BW, ACP, Multi Carrier Power, Power Stat CCDF, and More (1 of 2).

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## 1. n7

1.1. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:500500, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:25, RB Position:0)





**1.2. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:507000, 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
2535	99	26	0.1	Peak	4.49	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 2.535 GHz Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 14.8 dB

Center 2.535 000 GHz Span 10 MHz

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

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

4.4863 MHz x dB -26.00 dB

Transmit Freq Error -8.858 kHz

x dB Bandwidth 4.942 MHz

Ext Ref

Ext Ref

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**1.3. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:513500, 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
2567.5	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 2.5675 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 2.567 500 GHz Span 10 MHz  
#Res BW 100 kHz #VBW 300 kHz #Sweep 5 s (500 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
4.4902 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b>	-11.216 kHz
<b>x dB Bandwidth</b>	4.948 MHz

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**1.4. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:500500, 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
2502.5	99	26	0.1	Peak	4.49	4.88	5	Pass

Agilent

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

Ch Freq 2.5025 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 14.9 dB

Center 2.502 500 GHz Span 10 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
4.4871 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> -11.317 kHz	
<b>x dB Bandwidth</b> 4.881 MHz	

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**1.5. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:507000, 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
2535	99	26	0.1	Peak	4.49	4.88	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 2.535 GHz, and the span is 10 MHz. The occupied bandwidth is measured as 4.4858 MHz. The power is 99.00% and the XdB bandwidth is -26.00 dB. The transmit frequency error is -11.364 kHz. The XdB bandwidth is 4.880 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
4.4858 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -11.364 kHz  
x dB Bandwidth: 4.880 MHz

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**1.6. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:513500, 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
2567.5	99	26	0.1	Peak	4.48	4.89	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is 2.5675 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 measured as 4.4848 MHz, which is 99.00% of the channel bandwidth. The XdB bandwidth is 4.885 MHz, and the XdB down is -26.00 dB. The transmit frequency error is -13.948 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 %
4.4848 MHz	x dB	-26.00 dB
Transmit Freq Error		-13.948 kHz
x dB Bandwidth		4.885 MHz

**1.7. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:500500, 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
2502.5	99	26	0.1	Peak	4.49	4.92	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	4.4875 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-2.253 kHz
x dB Bandwidth	4.923 MHz

Additional parameters shown in the interface include: Ch Freq 2.5025 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 14.9 dB, Center 2.502 500 GHz, Span 10 MHz, #Res BW 100 kHz, #VBW 300 kHz, #Sweep 5 s (500 pts). 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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**1.8. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:507000, 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
2535	99	26	0.1	Peak	4.49	4.92	5	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 2.535 GHz with a span of 10 MHz. The signal level is approximately -26 dB. The interface includes various measurement parameters and a summary table.

Occupied Bandwidth		Occ BW % Pwr	99.00 %
4.4866 MHz		x dB	-26.00 dB
Transmit Freq Error		-2.368 kHz	
x dB Bandwidth		4.924 MHz	

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**1.9. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:513500, 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
2567.5	99	26	0.1	Peak	4.49	4.91	5	Pass

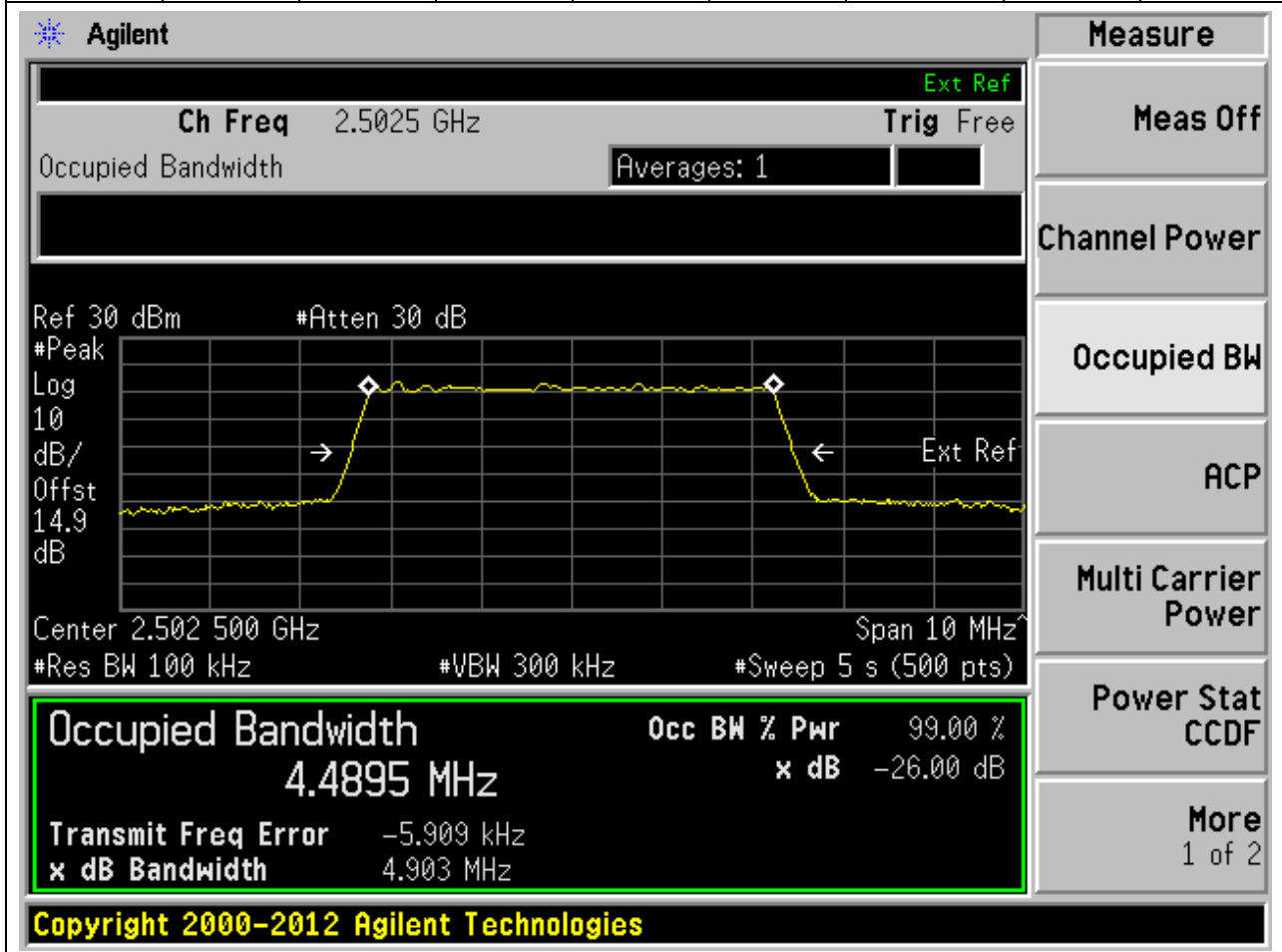
The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.5675 GHz, and the span is 10 MHz. The occupied bandwidth is measured as 4.4862 MHz. The power is 99.00% and the XdB bandwidth is -26.00 dB. The transmit frequency error is -7.321 kHz. The XdB bandwidth is 4.911 MHz. The interface includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.4862 MHz	x dB	-26.00 dB
Transmit Freq Error	-7.321 kHz	
x dB Bandwidth	4.911 MHz	



**1.10. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:500500, 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
2502.5	99	26	0.1	Peak	4.49	4.9	5	Pass



**1.11. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:507000, 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
2535	99	26	0.1	Peak	4.49	4.89	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	4.4896 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-6.969 kHz
x dB Bandwidth	4.888 MHz

Additional parameters shown in the interface include: Ch Freq 2.535 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 14.8 dB, Center 2.535 000 GHz, Span 10 MHz, #Res BW 100 kHz, #VBW 300 kHz, #Sweep 5 s (500 pts). 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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**1.12. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:513500, 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
2567.5	99	26	0.1	Peak	4.49	4.9	5	Pass

Agilent
Measure

Ch Freq 2.5675 GHz Trig Free

Occupied Bandwidth Averages: 1

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**Occupied Bandwidth**

**4.4908 MHz**

Transmit Freq Error -8.092 kHz

x dB Bandwidth 4.900 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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**1.13. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:501000, 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
2505	99	26	0.03	Peak	9.26	9.66	10	Pass

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

Measurement	Value
Occupied Bandwidth	9.2586 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-7.168 kHz
x dB Bandwidth	9.655 MHz

Additional parameters shown in the interface include: Ch Freq 2.505 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log 10 dB/Offst 14.9 dB, Center 2.505 000 GHz, Span 20 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 5 s (3333 pts).

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**1.14. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:507000, 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
2535	99	26	0.03	Peak	9.26	9.61	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow signal trace. The plot is set to a center frequency of 2.535 GHz and a span of 20 MHz. The signal is measured with a resolution bandwidth (RBW) of 30 kHz and a video bandwidth (VBW) of 1 MHz. The occupied bandwidth is measured as 9.2648 MHz, which is 99.00% of the channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -5.945 kHz, and the XdB bandwidth is 9.614 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
9.2648 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -5.945 kHz  
x dB Bandwidth: 9.614 MHz

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**1.15. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:513000, 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
2565	99	26	0.03	Peak	9.26	9.62	10	Pass

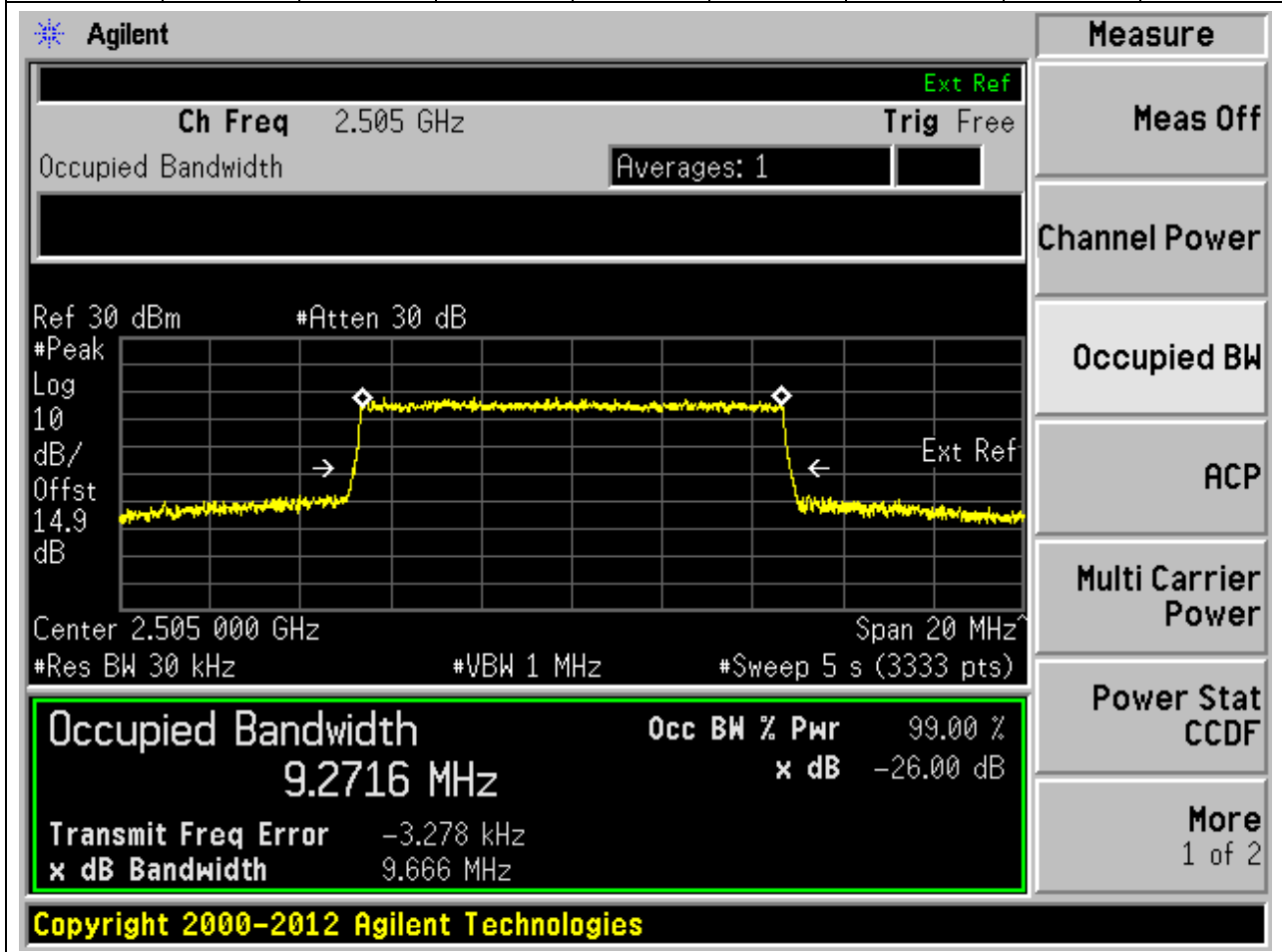
The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The center frequency is 2.565 GHz, and the span is 20 MHz. The occupied bandwidth is measured as 9.2588 MHz. The power is 99.00% and the XdB bandwidth is -26.00 dB. The interface 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
9.2588 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -13.302 kHz  
x dB Bandwidth: 9.618 MHz

**1.16. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:501000, 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
2505	99	26	0.03	Peak	9.27	9.67	10	Pass



**1.17. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:507000, 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
2535	99	26	0.03	Peak	9.27	9.67	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is 2.535 GHz. The main display shows a spectrum plot with a yellow trace. The plot parameters include a reference level of 30 dBm, a 30 dB attenuator, a resolution bandwidth of 30 kHz, and a span of 20 MHz. The occupied bandwidth is measured as 9.2672 MHz, which is 99.00% of the total bandwidth, with a -26.00 dB offset. The transmit frequency error is -7.555 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'. A copyright notice for Agilent Technologies from 2000-2012 is visible at the bottom.

Occupied Bandwidth	Occ BW % Pwr	x dB
9.2672 MHz	99.00 %	-26.00 dB

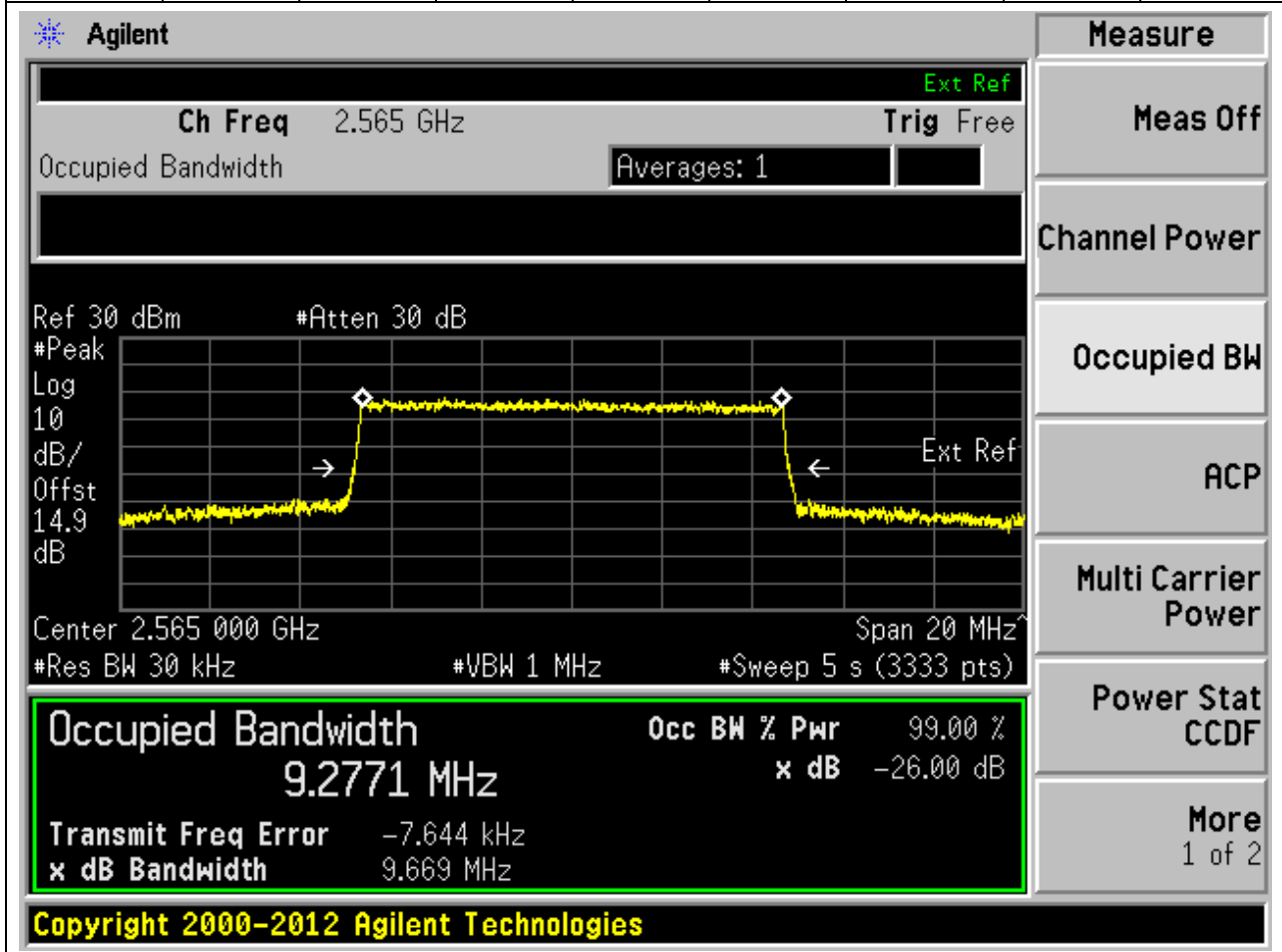
Transmit Freq Error: -7.555 kHz  
x dB Bandwidth: 9.672 MHz

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**1.18. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:513000, 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
2565	99	26	0.03	Peak	9.28	9.67	10	Pass



**1.19. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:501000, 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
2505	99	26	0.03	Peak	9.24	9.57	10	Pass

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

Measurement	Value
Occupied Bandwidth	9.2444 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-16.214 kHz
x dB Bandwidth	9.570 MHz

Additional parameters shown in the interface include: Ch Freq 2.505 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log 10 dB/Offst 14.9 dB, Center 2.505 000 GHz, Span 20 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 5 s (3333 pts).

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**1.20. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:507000, 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
2535	99	26	0.03	Peak	9.25	9.59	10	Pass

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

Measurement	Value
Occupied Bandwidth	9.2499 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-13.772 kHz
x dB Bandwidth	9.585 MHz

Additional parameters shown in the interface include: Ch Freq 2.535 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log 10 dB/Offst 14.8 dB, Center 2.535 000 GHz, Span 20 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 5 s (3333 pts).

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**1.21. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:513000, 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
2565	99	26	0.03	Peak	9.25	9.59	10	Pass

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

Measurement	Value
Occupied Bandwidth	9.2461 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-23.196 kHz
x dB Bandwidth	9.593 MHz

Additional parameters shown in the interface include: Ch Freq 2.565 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log 10 dB/Offst 14.9 dB, Center 2.565 000 GHz, Span 20 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 5 s (3333 pts).

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**1.22. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:501000, 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
2505	99	26	0.03	Peak	9.27	9.6	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow signal trace. The center frequency is 2.505 GHz, and the span is 20 MHz. The occupied bandwidth is measured as 9.2656 MHz, which is 99.00% of the 9.6 MHz bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -9.444 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	x dB
9.2656 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -9.444 kHz  
x dB Bandwidth: 9.600 MHz

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**1.23. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:507000, 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
2535	99	26	0.03	Peak	9.26	9.64	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.535 GHz and the span is 20 MHz. The occupied bandwidth is measured as 9.2644 MHz. The power is 99.00% and the XdB bandwidth is 9.636 MHz. The XdB down is -26.00 dB. The transmit frequency error is -8.160 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	x dB
9.2644 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -8.160 kHz  
x dB Bandwidth: 9.636 MHz

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**1.24. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:513000, 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
2565	99	26	0.03	Peak	9.26	9.64	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.565 GHz and the span is 20 MHz. The occupied bandwidth is highlighted in a green box with the following values:

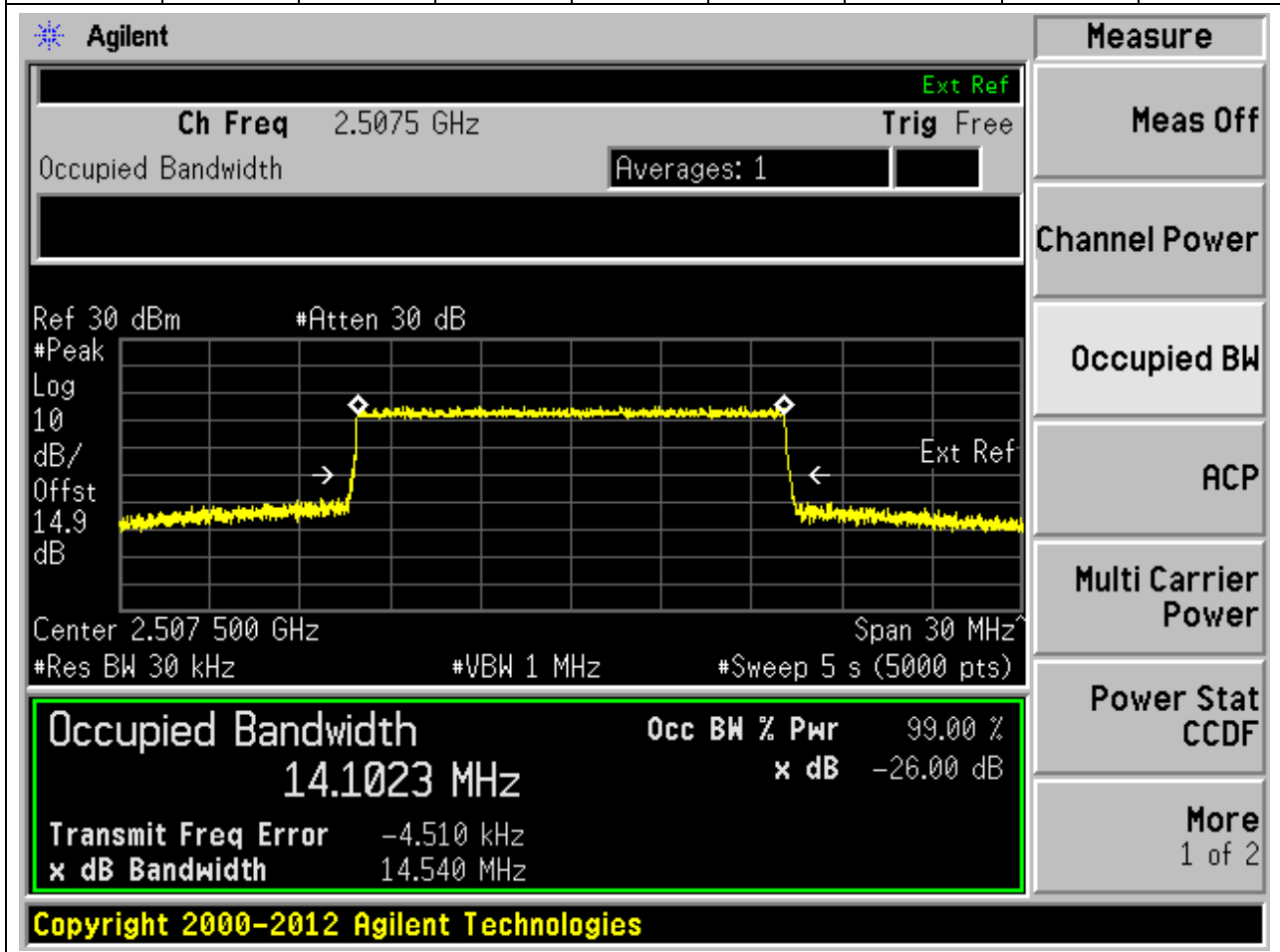
<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
<b>9.2630 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		-14.657 kHz
<b>x dB Bandwidth</b>		9.636 MHz

Additional parameters shown include: Ch Freq 2.565 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log 10 dB/Offst 14.9 dB, Center 2.565 000 GHz, Span 20 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 5 s (3333 pts). The right-hand menu includes Measure, Meas Off, Channel Power, Occupied BW, ACP, Multi Carrier Power, Power Stat CCDF, and More (1 of 2).

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**1.25. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:501500, 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
2507.5	99	26	0.03	Peak	14.1	14.54	15	Pass





**1.26. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:507000, 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
2535	99	26	0.03	Peak	14.11	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 2.535 GHz, and the span is 30 MHz. The occupied bandwidth is highlighted as 14.1064 MHz. The power is 99.00% and the XdB bandwidth is 14.530 MHz. The XdB down is -26.00 dB. The transmit frequency error is -909.425 Hz. 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
14.1064 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -909.425 Hz  
x dB Bandwidth: 14.530 MHz

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**1.27. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:512500, 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
2562.5	99	26	0.03	Peak	14.09	14.52	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is 2.5625 GHz. The main display shows a spectrum plot with a yellow trace representing the signal. The plot is set to a 30 MHz span and 30 kHz resolution bandwidth. The signal level is approximately 14.9 dB. The 'Occupied Bandwidth' measurement is highlighted in a green box, showing a value of 14.0887 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is -11.526 kHz and the 'x dB Bandwidth' is 14.525 MHz. The 'Verdict' is 'Pass'.

Occupied Bandwidth	Occ BW % Pwr	x dB
14.0887 MHz	99.00 %	-26.00 dB

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**1.28. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:501500, 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
2507.5	99	26	0.03	Peak	14.09	14.52	15	Pass

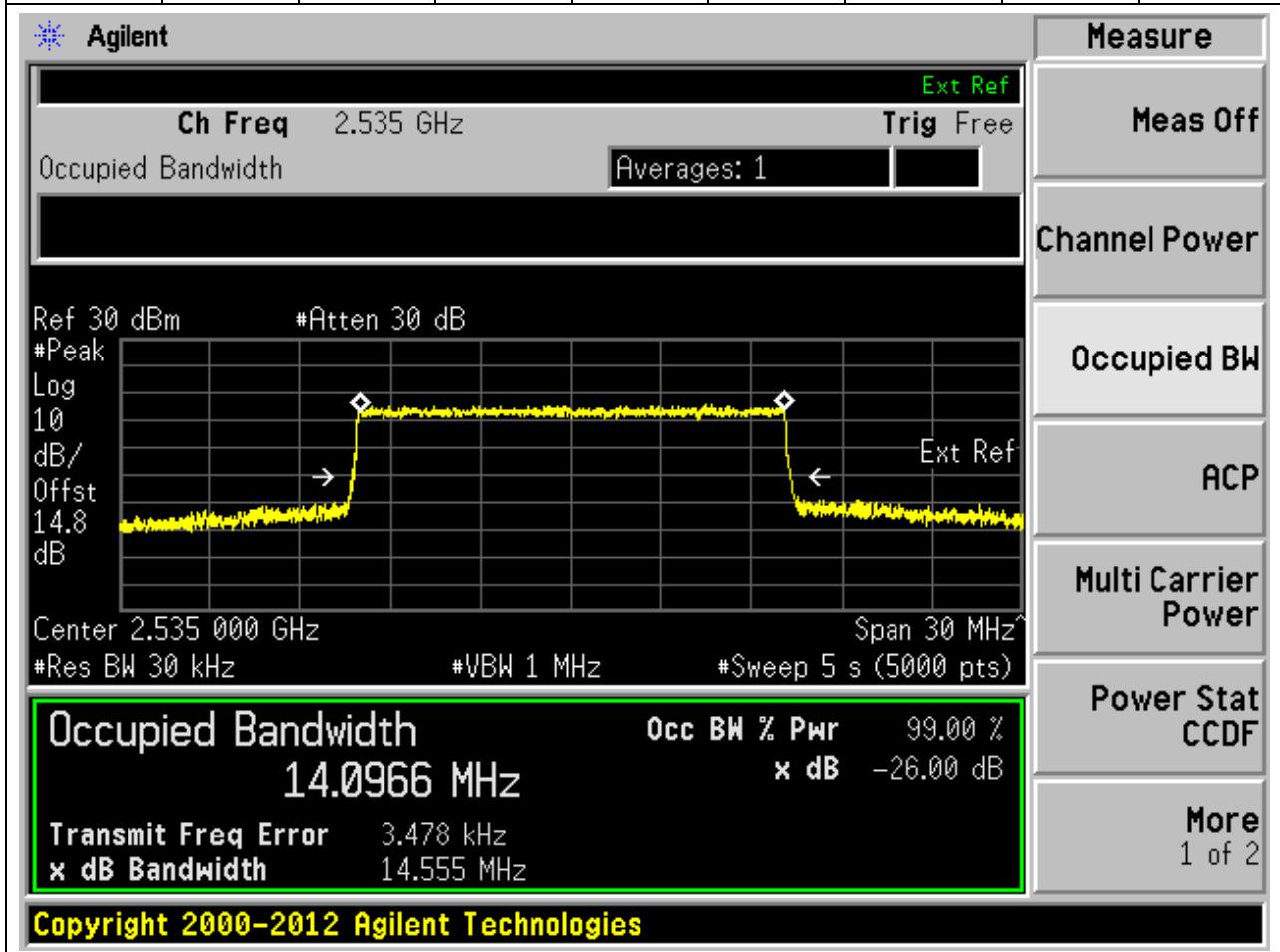
The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.5075 GHz, and the span is 30 MHz. The occupied bandwidth is measured as 14.0936 MHz. The power is 99.00% and the XdB down is -26.00 dB. The interface 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
14.0936 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -1.153 kHz  
x dB Bandwidth: 14.519 MHz

**1.29. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:507000, 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
2535	99	26	0.03	Peak	14.1	14.55	15	Pass



**1.30. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:512500, 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
2562.5	99	26	0.03	Peak	14.09	14.54	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow signal trace. The plot is centered at 2.5625 GHz with a span of 30 MHz. The signal level is approximately 14.9 dB. The measurement results are summarized in a table below the plot:

Occupied Bandwidth	Occ BW % Pwr	x dB
14.0865 MHz	99.00 %	-26.00 dB

Additional parameters shown in the interface include: Ch Freq 2.5625 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst, 14.9 dB, Center 2.562500 GHz, Span 30 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 5 s (5000 pts). The interface also includes a 'Measure' menu with options like Meas Off, Channel Power, Occupied BW, ACP, Multi Carrier Power, Power Stat CCDF, and More (1 of 2).

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**1.31. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:501500, 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
2507.5	99	26	0.03	Peak	14.08	14.48	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	14.0785 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-11.910 kHz
x dB Bandwidth	14.483 MHz

Additional parameters shown in the interface include: Ch Freq 2.5075 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst, 14.9 dB, Center 2.507 500 GHz, Span 30 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 5 s (5000 pts).

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**1.32. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:507000, 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
2535	99	26	0.03	Peak	14.09	14.5	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The center frequency is 2.535 GHz, and the span is 30 MHz. The occupied bandwidth is measured as 14.0862 MHz. The power is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -9.575 kHz, and the XdB bandwidth is 14.497 MHz. The interface includes a 'Measure' panel on the right with buttons for '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
14.0862 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -9.575 kHz  
 x dB Bandwidth: 14.497 MHz

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**1.33. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:512500, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:79, RB Position:0)**

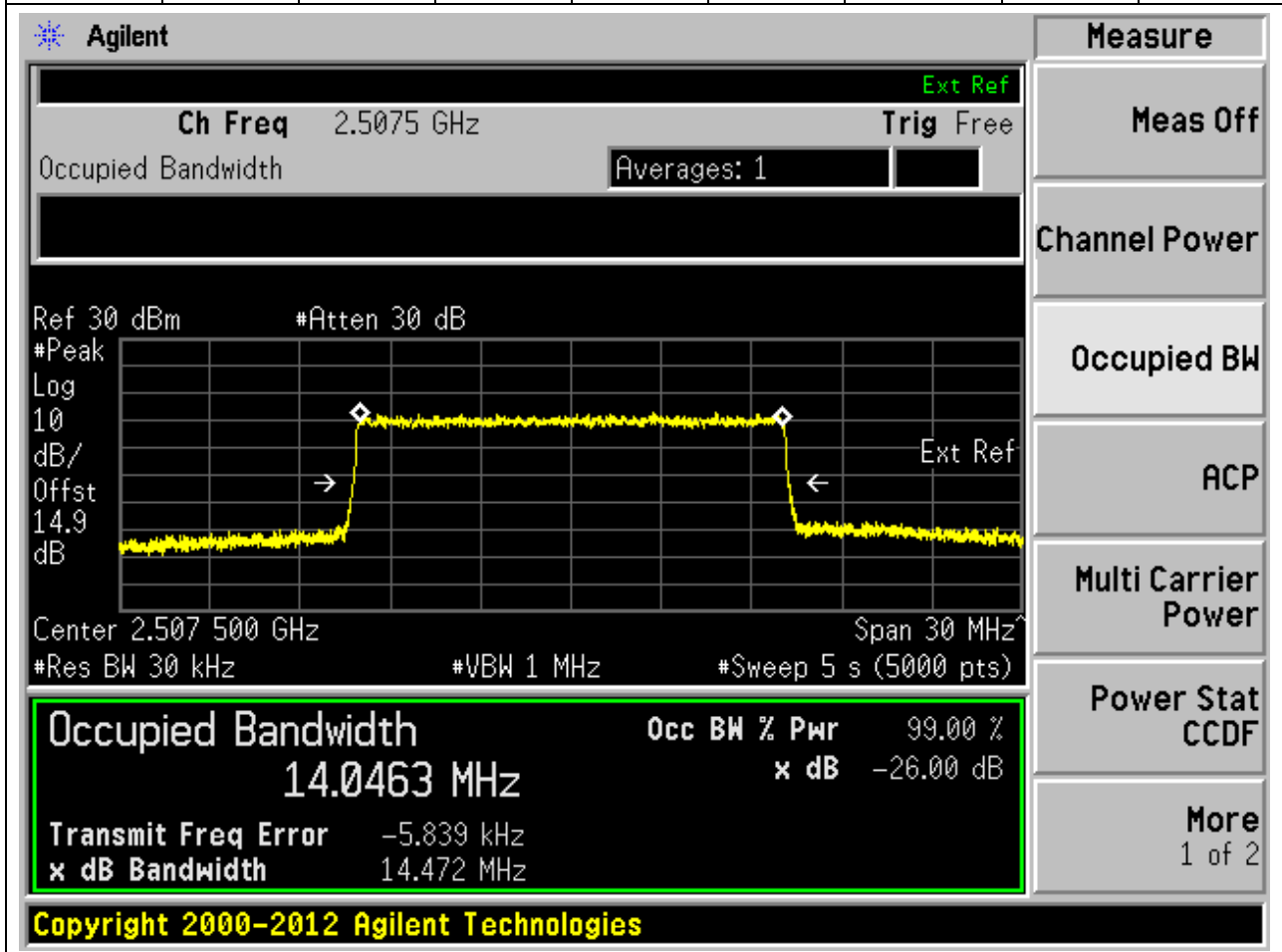
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2562.5	99	26	0.03	Peak	14.07	14.42	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.5625 GHz, and the span is 30 MHz. The occupied bandwidth is measured as 14.0745 MHz. The power is 99.00% and the XdB bandwidth is 14.424 MHz. The XdB down is -26.00 dB. The transmit frequency error is -20.723 kHz. The RBW is 30 kHz, VBW is 1 MHz, and the sweep time is 5 s (5000 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 1 of 2'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.



**1.34. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:501500, 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
2507.5	99	26	0.03	Peak	14.05	14.47	15	Pass



**1.35. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:507000, 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
2535	99	26	0.03	Peak	14.06	14.49	15	Pass

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

Ch Freq 2.535 GHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
10

dB/
Offst

14.8
dB

Center 2.535 000 GHz
Span 30 MHz

#Res BW 30 kHz
#VBW 1 MHz
#Sweep 5 s (5000 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
14.0558 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> -5.846 kHz	
<b>x dB Bandwidth</b> 14.494 MHz	

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**1.36. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:512500, 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
2562.5	99	26	0.03	Peak	14.05	14.5	15	Pass

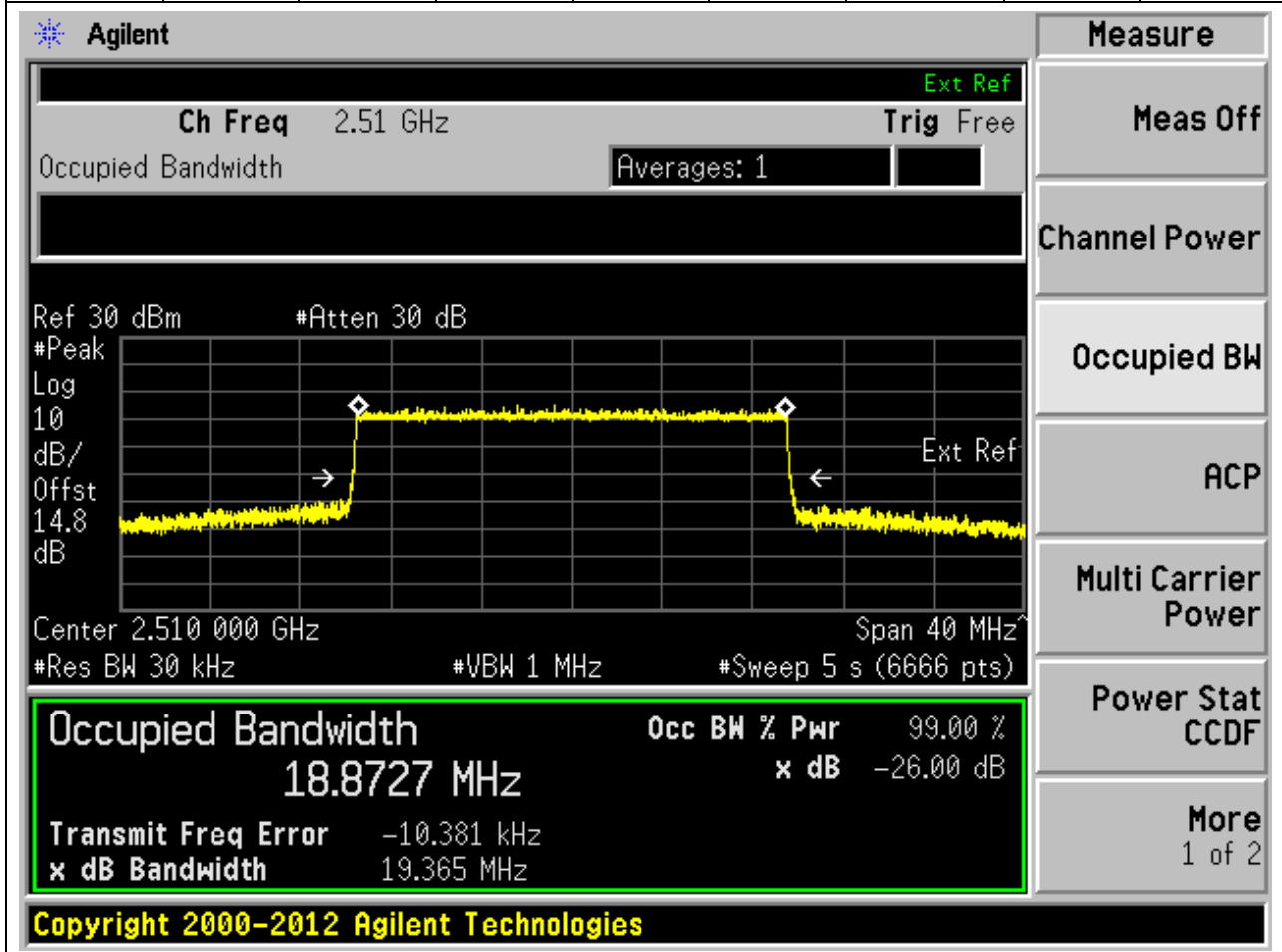
The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.5625 GHz, and the span is 30 MHz. The occupied bandwidth is measured as 14.0499 MHz. The power is 99.00% and the XdB down is -26.00 dB. The interface 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
14.0499 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -15.685 kHz  
x dB Bandwidth: 14.502 MHz

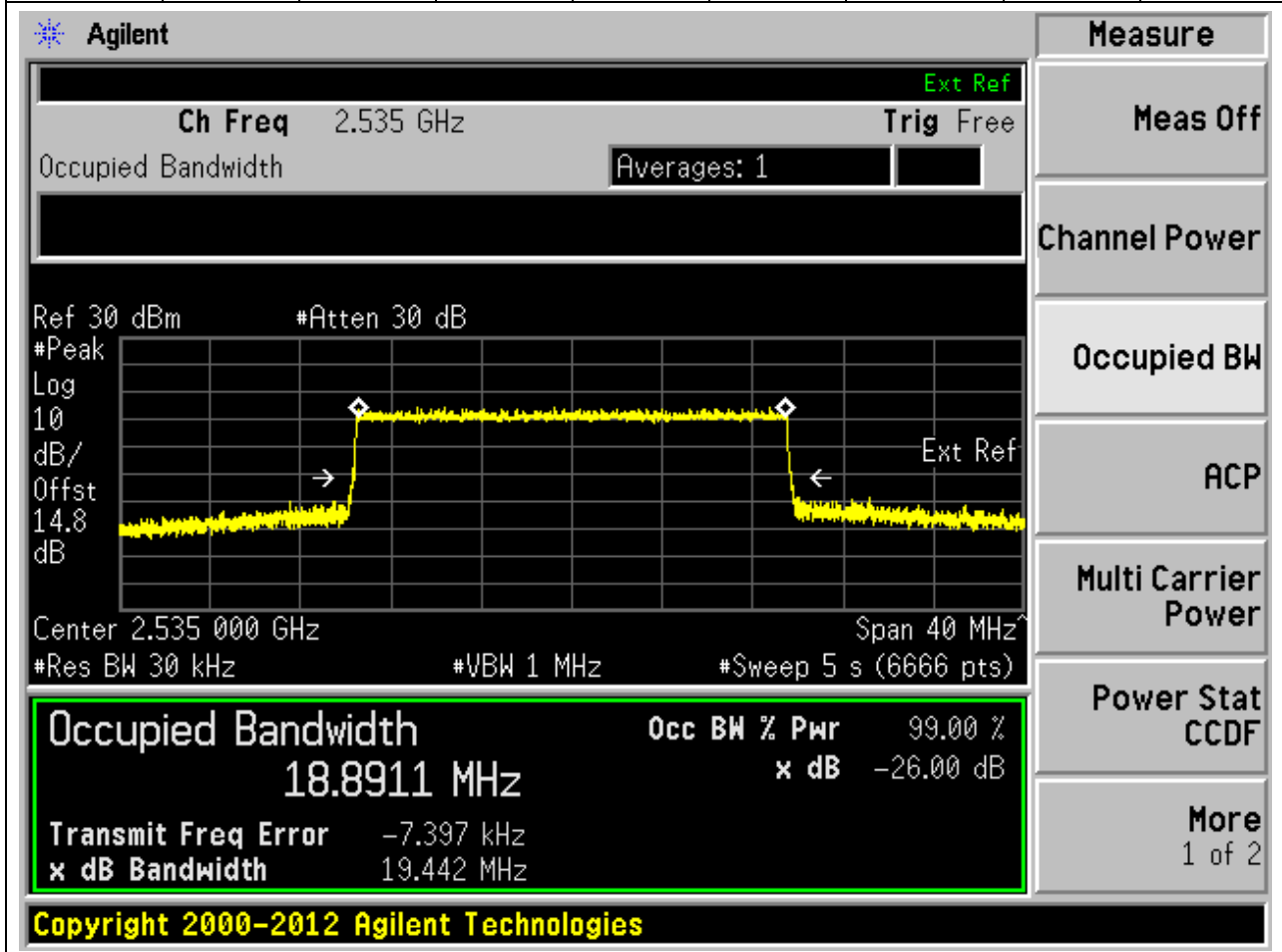
**1.37. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:502000, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:106, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2510	99	26	0.03	Peak	18.87	19.37	20	Pass



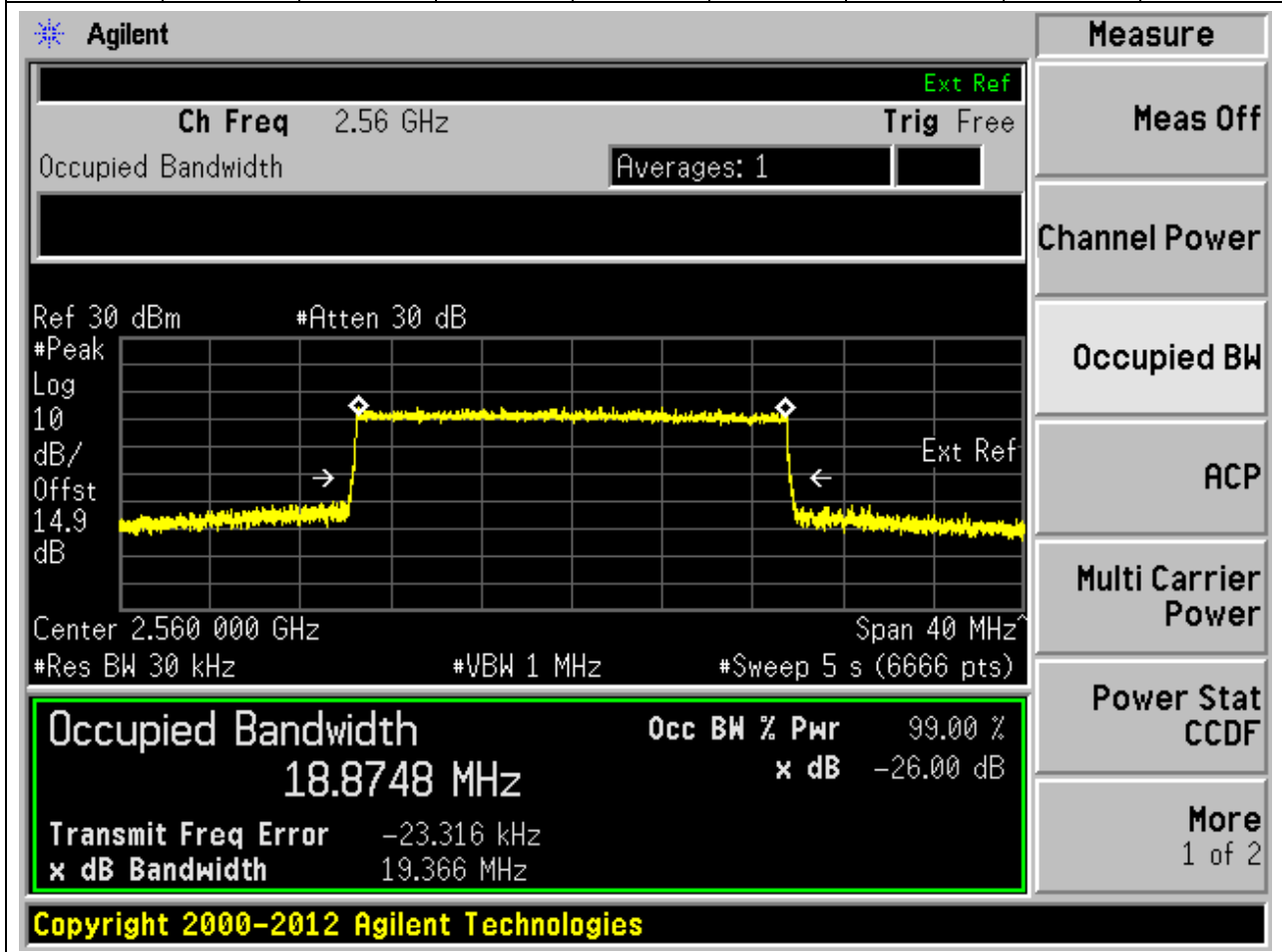
**1.38. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:507000, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:106, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	0.03	Peak	18.89	19.44	20	Pass



**1.39. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:512000, 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
2560	99	26	0.03	Peak	18.87	19.37	20	Pass



**1.40. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:502000, 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
2510	99	26	0.03	Peak	18.89	19.38	20	Pass

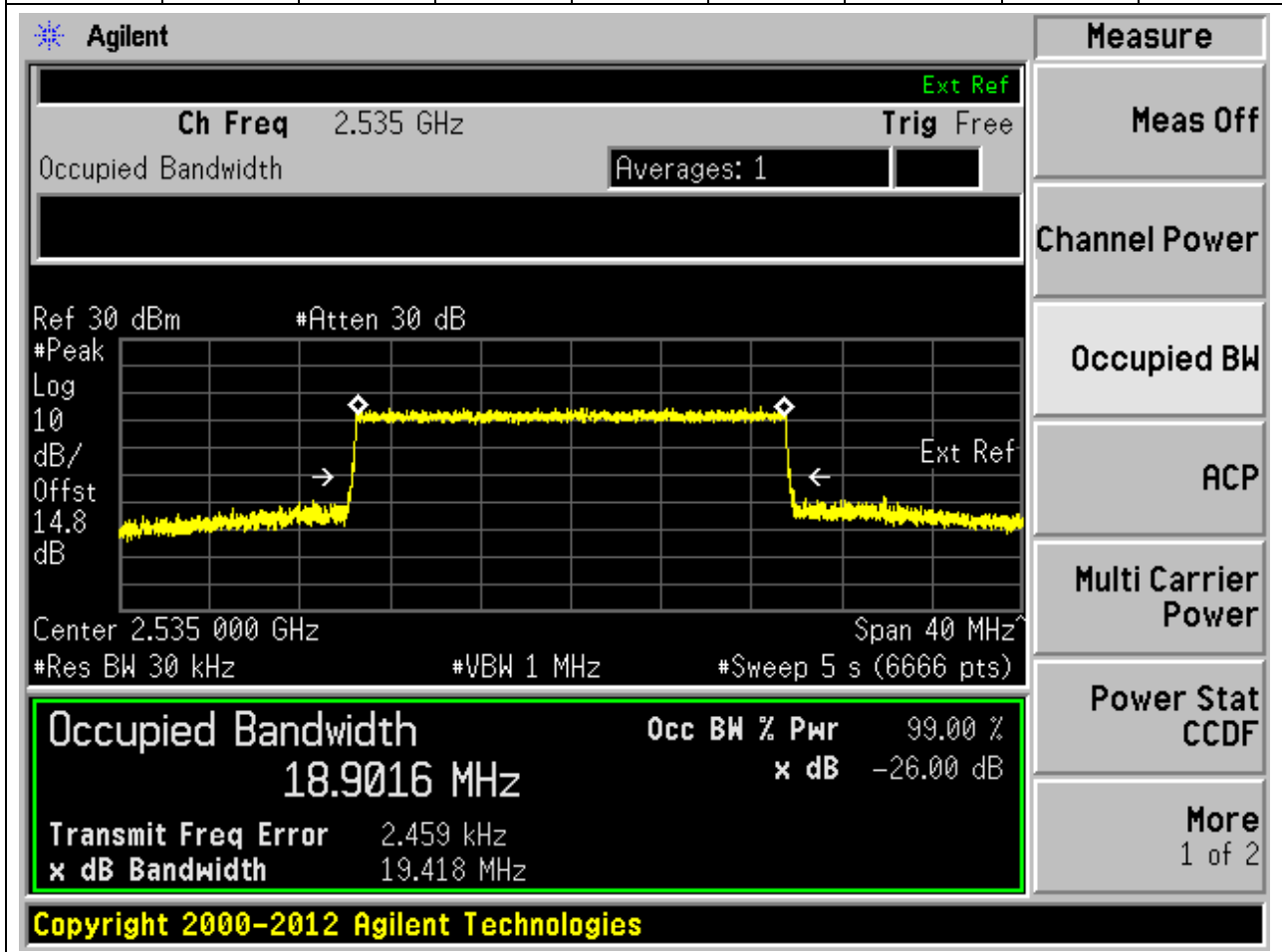
The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow signal trace. The center frequency is 2.51 GHz, and the span is 40 MHz. The occupied bandwidth is measured as 18.8879 MHz. The power is 99.00% and the XdB bandwidth is 19.376 MHz. The XdB down is -26.00 dB. The transmit frequency error is -4.546 kHz. The interface also shows various settings like Res BW (30 kHz), VBW (1 MHz), and Sweep (5 s). A table of measurements is visible at the bottom of the screen.

Occupied Bandwidth	Occ BW % Pwr	x dB
18.8879 MHz	99.00 %	-26.00 dB

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**1.41. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:507000, 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
2535	99	26	0.03	Peak	18.9	19.42	20	Pass





**1.42. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:512000, 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
2560	99	26	0.03	Peak	18.89	19.38	20	Pass

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

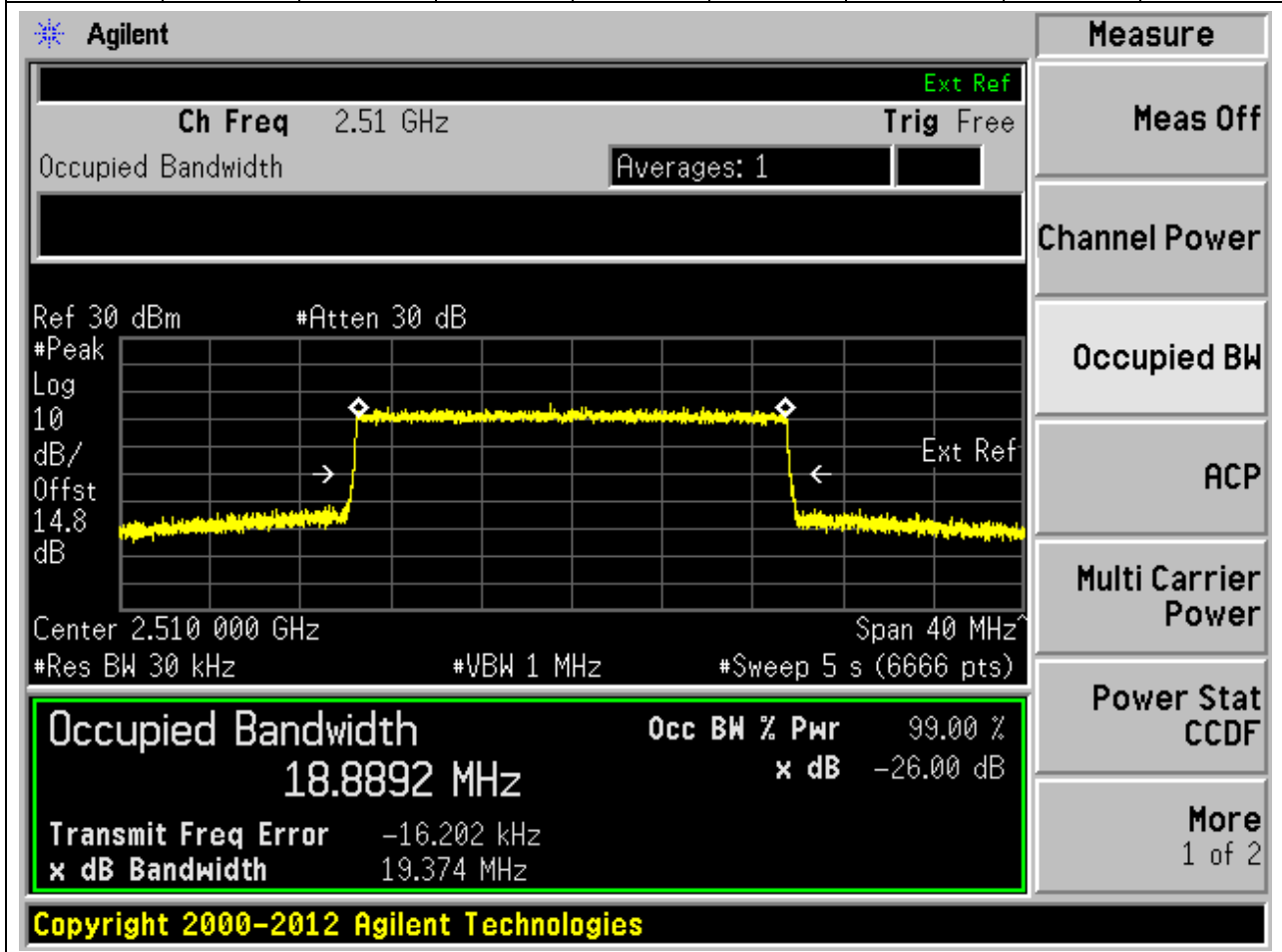
Measurement	Value
Occupied Bandwidth	18.8918 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-11.970 kHz
x dB Bandwidth	19.380 MHz

Other visible parameters include: Ch Freq 2.56 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log 10 dB/Offst 14.9 dB, Center 2.560 000 GHz, Span 40 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 5 s (6666 pts). 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).

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**1.43. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:502000, 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
2510	99	26	0.03	Peak	18.89	19.37	20	Pass



**1.44. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:507000, 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
2535	99	26	0.03	Peak	18.91	19.35	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The center frequency is 2.535 GHz, and the span is 40 MHz. The occupied bandwidth is measured as 18.9115 MHz. The power is 99.00% and the XdB bandwidth is 19.349 MHz. The XdB down is -26.00 dB. The transmit frequency error is -16.092 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	x dB
18.9115 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -16.092 kHz  
x dB Bandwidth: 19.349 MHz

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**1.45. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:512000, 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
2560	99	26	0.03	Peak	18.89	19.36	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a yellow signal trace on a grid. The center frequency is 2.56 GHz, and the span is 40 MHz. The occupied bandwidth is highlighted in a green box with the following values:

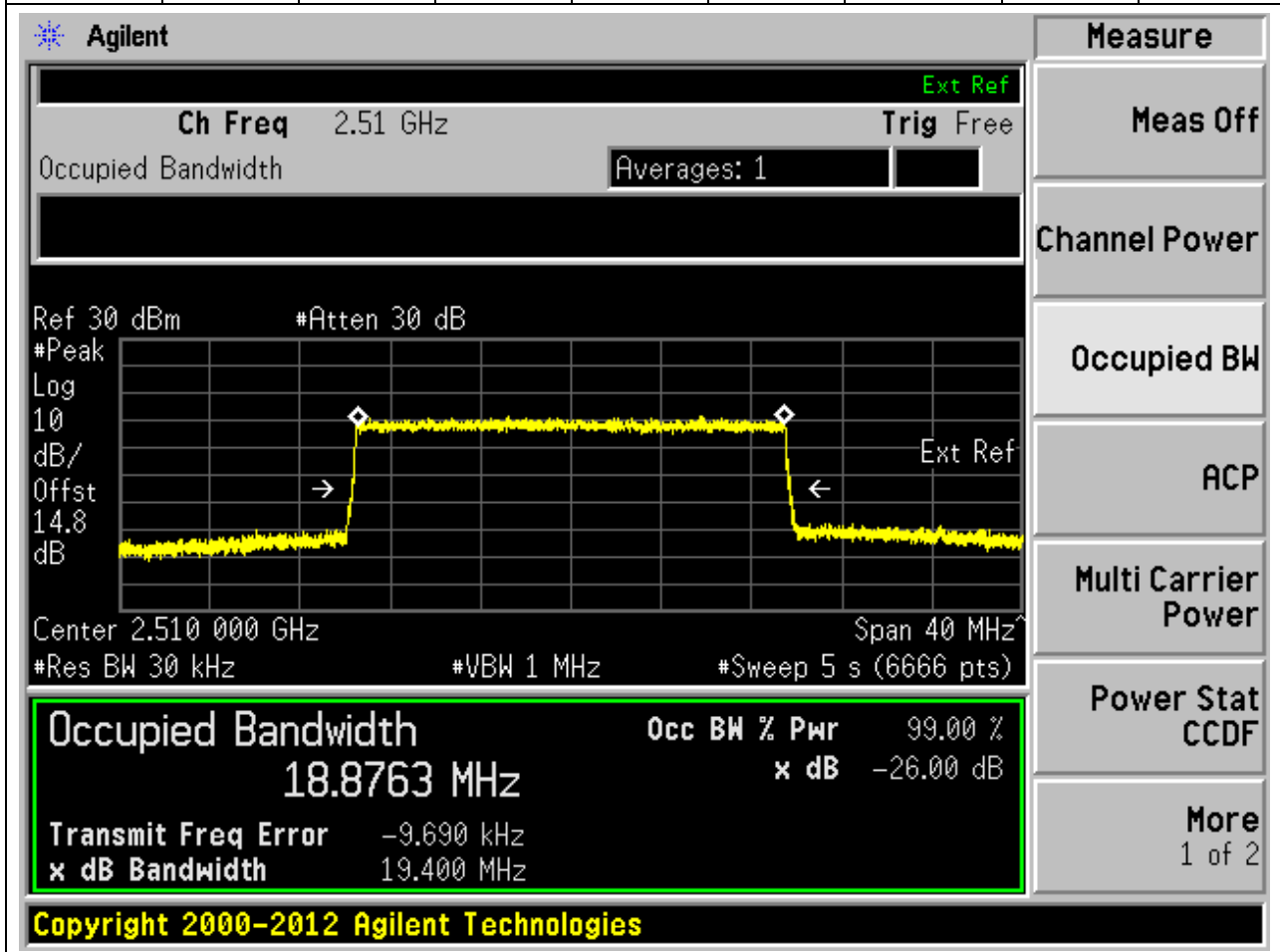
<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
<b>18.8891 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		-28.085 kHz
<b>x dB Bandwidth</b>		19.355 MHz

Additional parameters shown include: Ch Freq 2.56 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 14.9 dB, Center 2.560 000 GHz, Span 40 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 5 s (6666 pts). The right-hand side of the interface shows a 'Measure' menu with options: Meas Off, Channel Power, Occupied BW, ACP, Multi Carrier Power, Power Stat CCDF, and More (1 of 2).

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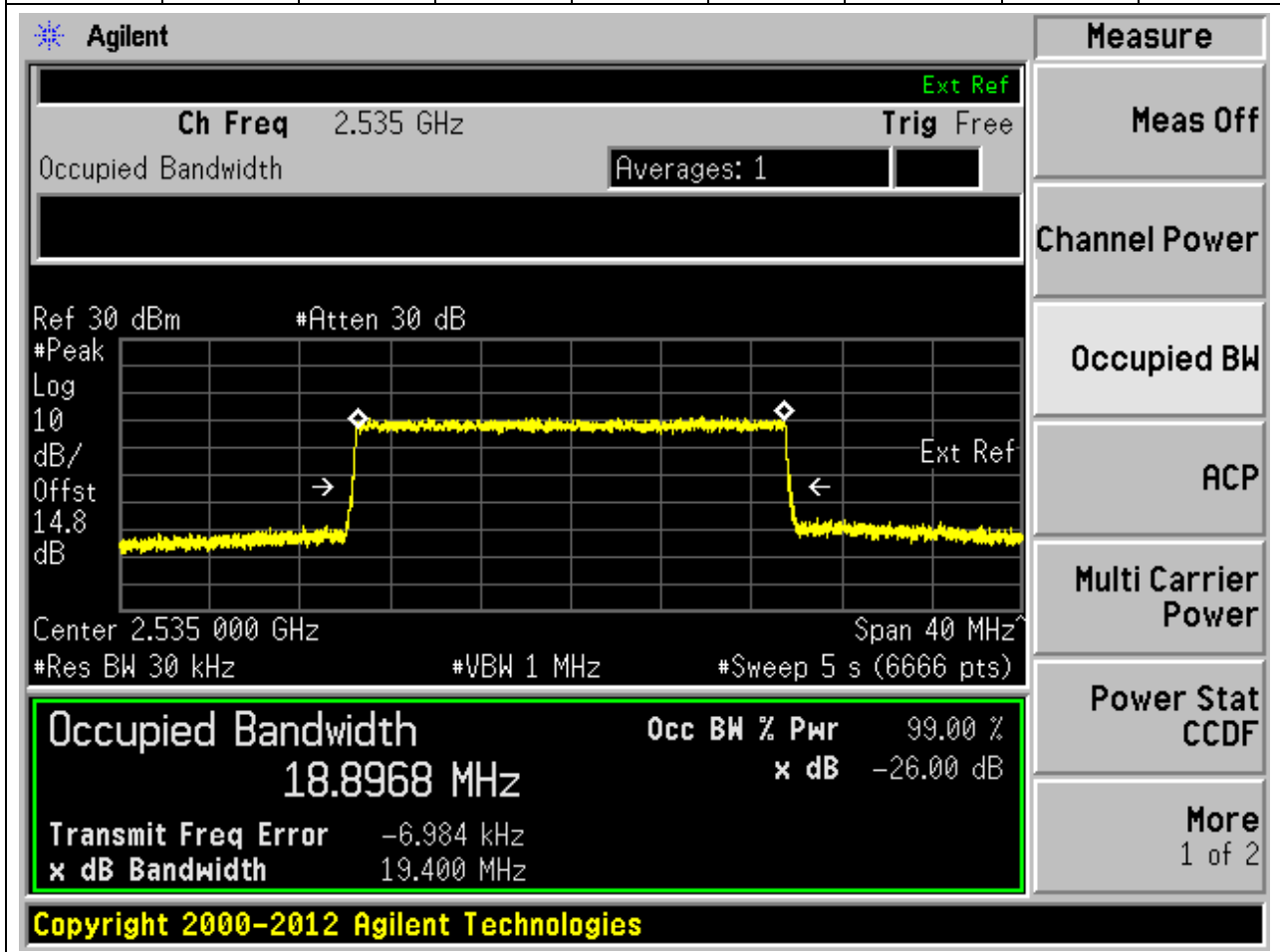
**1.46. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:502000, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:106, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2510	99	26	0.03	Peak	18.88	19.4	20	Pass



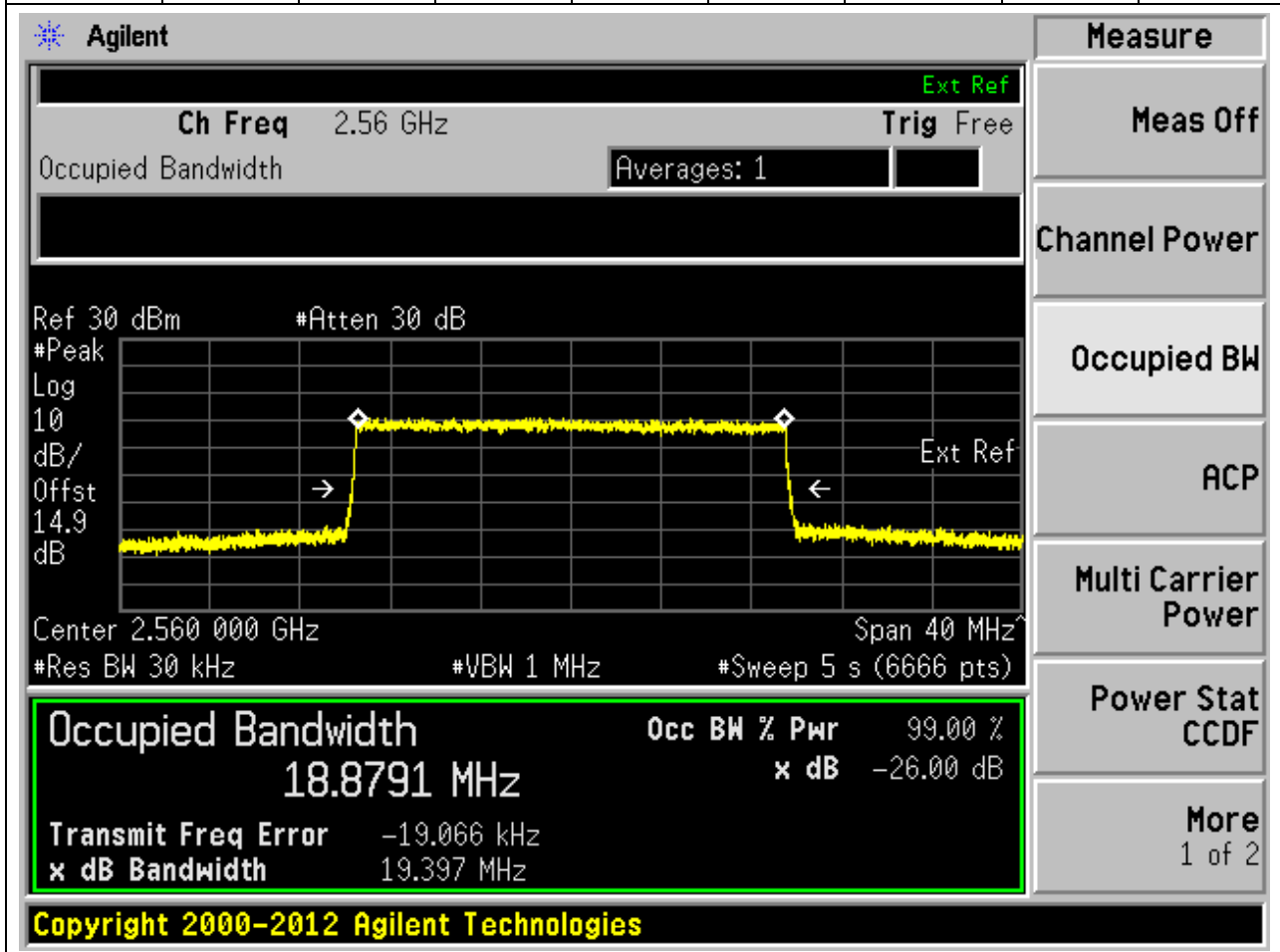
**1.47. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:507000, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:106, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	0.03	Peak	18.9	19.4	20	Pass



**1.48. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:512000, 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
2560	99	26	0.03	Peak	18.88	19.4	20	Pass



**1.49. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:503000, Bandwidth:30, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:160, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2515	99	26	1	Peak	28.83	31.1	30	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is 2.515 GHz. The main display shows a spectrum plot with a yellow trace. A green box highlights the measurement results:

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
<b>28.8277 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		-11.956 kHz
<b>x dB Bandwidth</b>		31.102 MHz

Additional parameters shown include: Center 2.515 00 GHz, Span 60 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (401 pts). 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).

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**1.50. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:507000, Bandwidth:30, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:160, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	1	Peak	28.92	31.07	30	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.535 GHz, and the span is 60 MHz. The occupied bandwidth is highlighted in green, showing 28.9171 MHz. The power is 99.00% and the XdB bandwidth is 31.074 MHz. The XdB down is -26.00 dB. The detector is set to Peak. The upper limit is 30 MHz. The verdict is Pass.

Occupied Bandwidth	Occ BW % Pwr	x dB
28.9171 MHz	99.00 %	-26.00 dB

Transmit Freq Error: 30.199 kHz  
x dB Bandwidth: 31.074 MHz

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**1.51. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:511000, Bandwidth:30, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:160, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2555	99	26	1	Peak	28.8	31.08	30	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The y-axis is labeled 'dB' and the x-axis is 'MHz'. The plot shows a signal with a peak at approximately 2.555 GHz. The 'Occupied Bandwidth' is highlighted in a green box at the bottom of the screen.

**Occupied Bandwidth** 28.7955 MHz

**Occ BW % Pwr** 99.00 %

**x dB** -26.00 dB

**Transmit Freq Error** -19.734 kHz

**x dB Bandwidth** 31.079 MHz

Other parameters shown in the interface include: Ch Freq 2.555 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log 10, dB/Offst 14.9 dB, Center 2.555 00 GHz, Span 60 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (401 pts).

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**1.52. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:503000, Bandwidth:30, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:160, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2515	99	26	1	Peak	28.84	31.28	30	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:

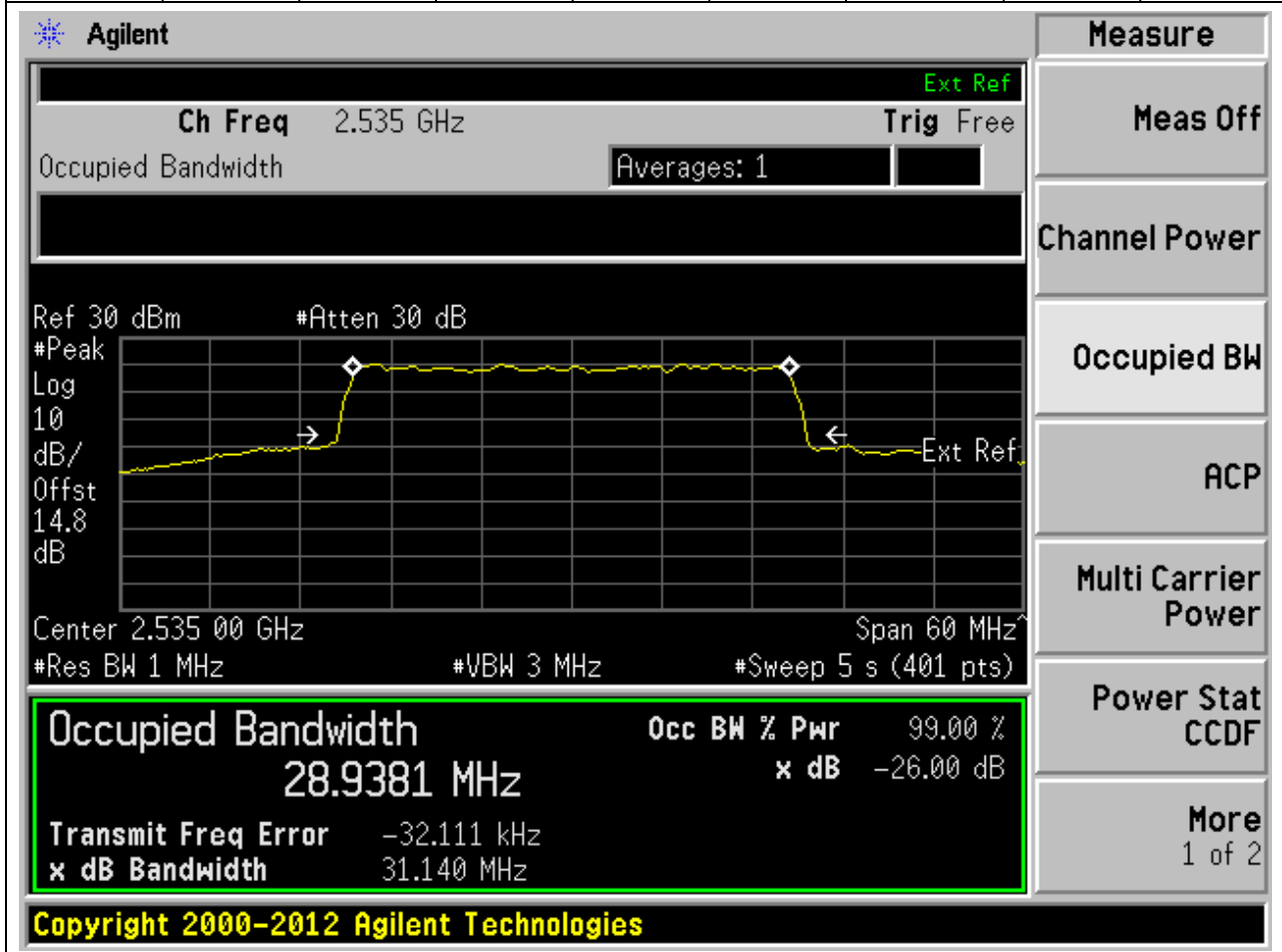
Measurement	Value
Occupied Bandwidth	28.8373 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-63.746 kHz
x dB Bandwidth	31.278 MHz

Additional parameters shown in the interface include: Ch Freq 2.515 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log 10 dB/Offst 14.8 dB, Center 2.515 00 GHz, Span 60 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (401 pts).

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**1.53. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:507000, Bandwidth:30, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:160, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	1	Peak	28.94	31.14	30	Pass



**1.54. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:511000, Bandwidth:30, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:160, RB Position:0)**

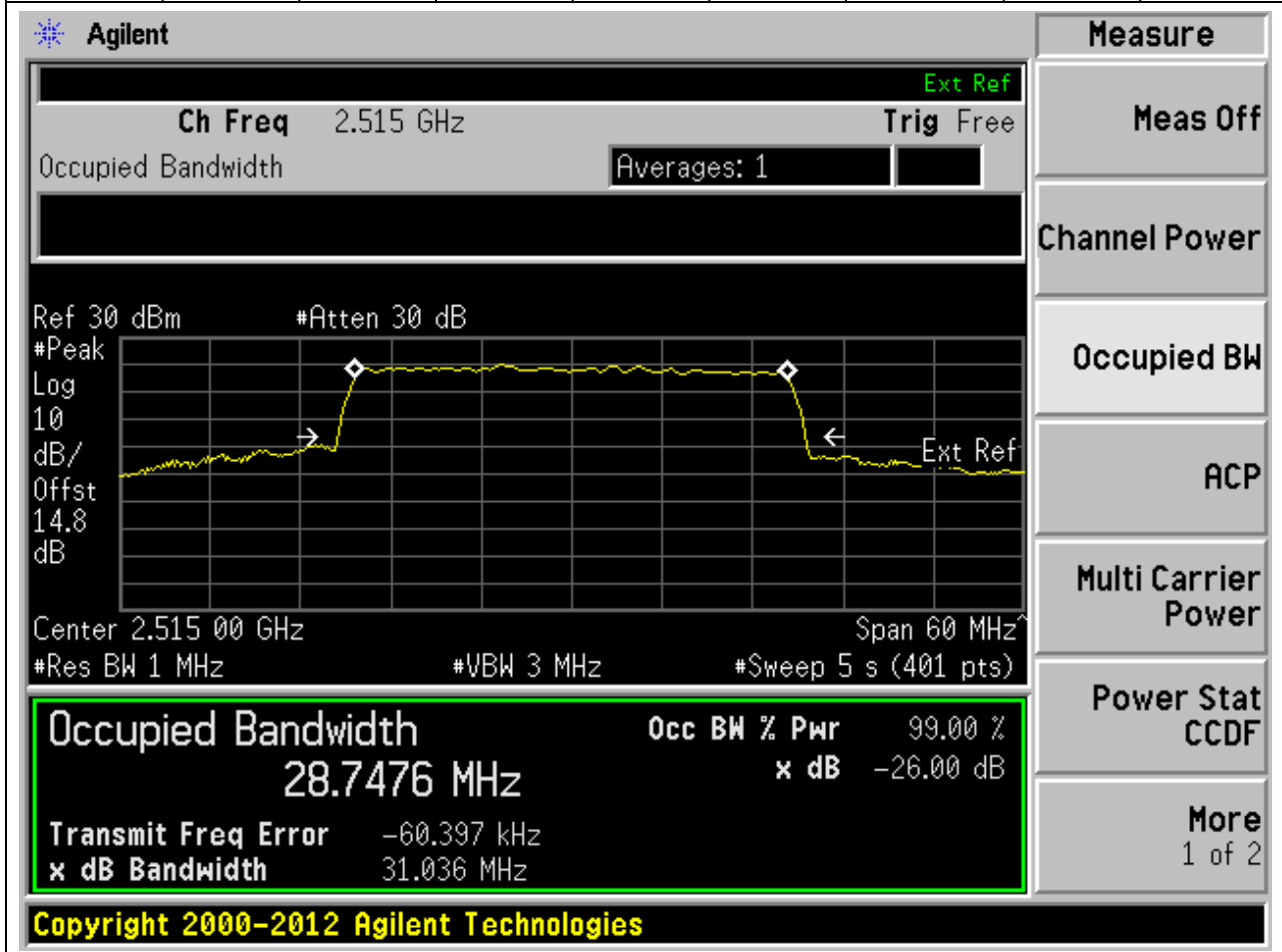
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2555	99	26	1	Peak	28.83	31.41	30	Pass

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 2.555 GHz with a span of 60 MHz. The resolution bandwidth (RBW) is 1 MHz, and the video bandwidth (VBW) is 3 MHz. The sweep time is 5 seconds with 401 points. The signal level is approximately -26 dBm, and the occupied bandwidth is 28.8346 MHz. The power is 99.00% and the XdB bandwidth is 31.405 MHz. The transmit frequency error is -64.774 kHz. 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 %
28.8346 MHz	x dB	-26.00 dB
Transmit Freq Error		-64.774 kHz
x dB Bandwidth		31.405 MHz

**1.55. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:503000, Bandwidth:30, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:160, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2515	99	26	1	Peak	28.75	31.04	30	Pass



**1.56. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:507000, Bandwidth:30, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:160, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	1	Peak	28.84	31.1	30	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.535 GHz, and the span is 60 MHz. The occupied bandwidth is measured as 28.8437 MHz. The power is 99.00% and the XdB bandwidth is 31.105 MHz. The XdB down is -26.00 dB. The transmit frequency error is -8.361 kHz. The resolution bandwidth (RBW) is 1 MHz, and the video bandwidth (VBW) is 3 MHz. The sweep time is 5 seconds (401 points). 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'.

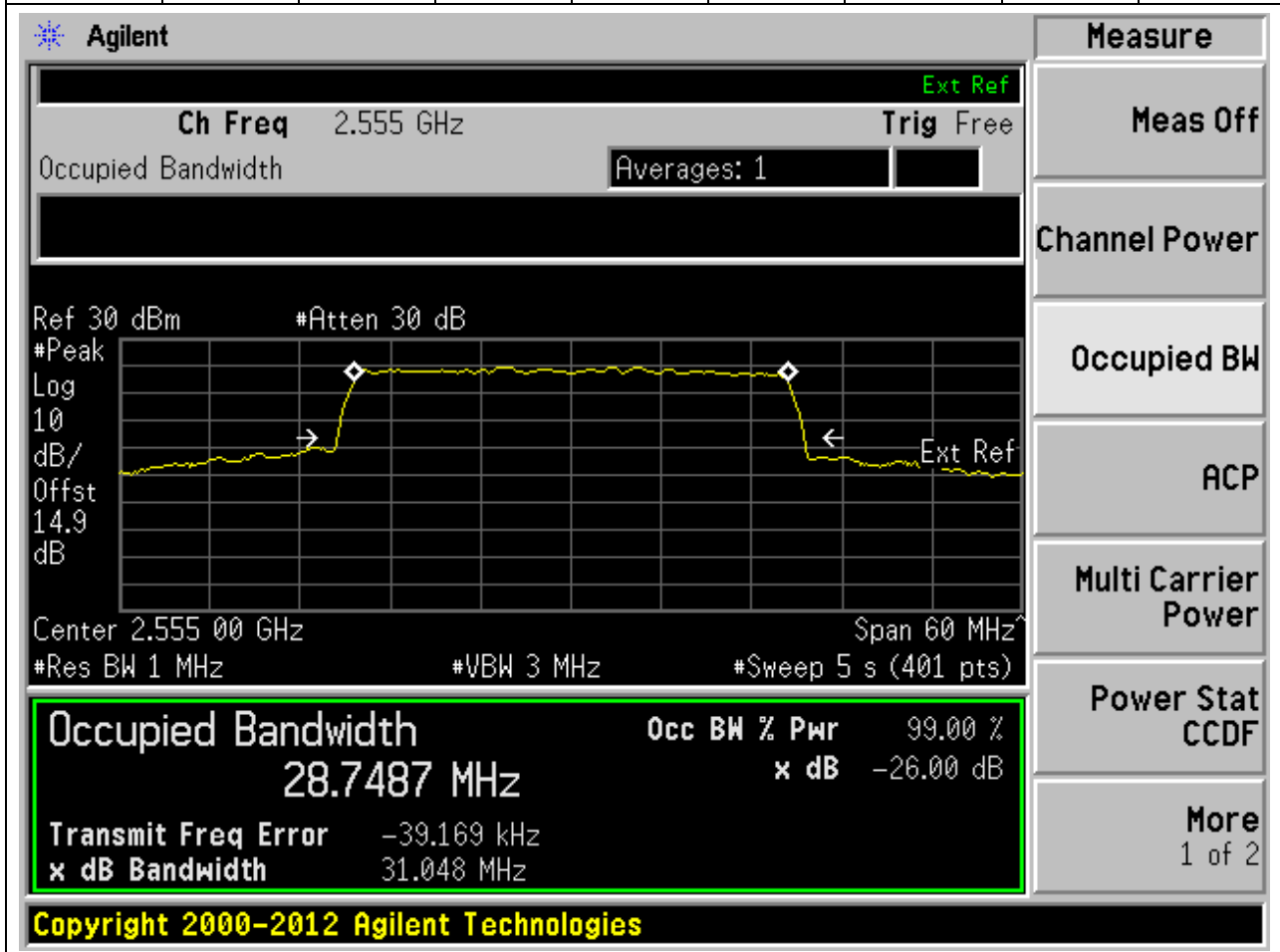
Occupied Bandwidth	Occ BW % Pwr	x dB
28.8437 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -8.361 kHz  
 x dB Bandwidth: 31.105 MHz

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**1.57. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:511000, Bandwidth:30, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:160, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2555	99	26	1	Peak	28.75	31.05	30	Pass





**1.58. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:503000, Bandwidth:30, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:160, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2515	99	26	1	Peak	28.76	31.1	30	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	28.7587 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-78.310 kHz
x dB Bandwidth	31.095 MHz

Additional parameters shown in the interface include: Ch Freq 2.515 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst 14.8 dB, Center 2.515 00 GHz, Span 60 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (401 pts). 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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**1.59. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:507000, Bandwidth:30, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:160, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	1	Peak	28.87	31.11	30	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	28.8651 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-36.343 kHz
x dB Bandwidth	31.115 MHz

Additional parameters shown in the interface include: Ch Freq 2.535 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log 10 dB/Offst 14.8 dB, Center 2.535 00 GHz, Span 60 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (401 pts).

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**1.60. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:511000, Bandwidth:30, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:160, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2555	99	26	1	Peak	28.73	31.04	30	Pass

Agilent
Measure

Ch Freq 2.555 GHz Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 14.9 dB

Center 2.555 00 GHz Span 60 MHz

#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (401 pts)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**Occupied Bandwidth**

**28.7278 MHz**

Transmit Freq Error -76.083 kHz

x dB Bandwidth 31.039 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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**1.61. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:504000, Bandwidth:40, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:216, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2520	99	26	1	Peak	38.79	41.24	40	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.52 GHz, and the span is 80 MHz. The occupied bandwidth is highlighted in a green box, showing 38.7863 MHz. The power is 99.00% and the XdB bandwidth is 41.241 MHz. The XdB down is -26.00 dB. The transmit frequency error is 39.829 kHz. The interface also shows various settings like Res BW (1 MHz), VBW (3 MHz), and Sweep (5 s).

Occupied Bandwidth	Occ BW % Pwr	x dB
38.7863 MHz	99.00 %	-26.00 dB

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**1.62. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:507000, Bandwidth:40, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:216, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	1	Peak	38.89	41.35	40	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is 2.535 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 14.8 dB. The occupied bandwidth is highlighted in a green box at the bottom of the screen, showing a value of 38.8901 MHz. The percentage of power within this bandwidth is 99.00%, and the XdB bandwidth is -26.00 dB. The transmit frequency error is 46.600 kHz, and the XdB bandwidth is 41.353 MHz. The interface also shows various measurement settings like Res BW (1 MHz), VBW (3 MHz), and Sweep (5 s).

Occupied Bandwidth	Occ BW % Pwr	x dB
38.8901 MHz	99.00 %	-26.00 dB

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**1.63. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:510000, Bandwidth:40, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:216, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2550	99	26	1	Peak	38.79	41.27	40	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:

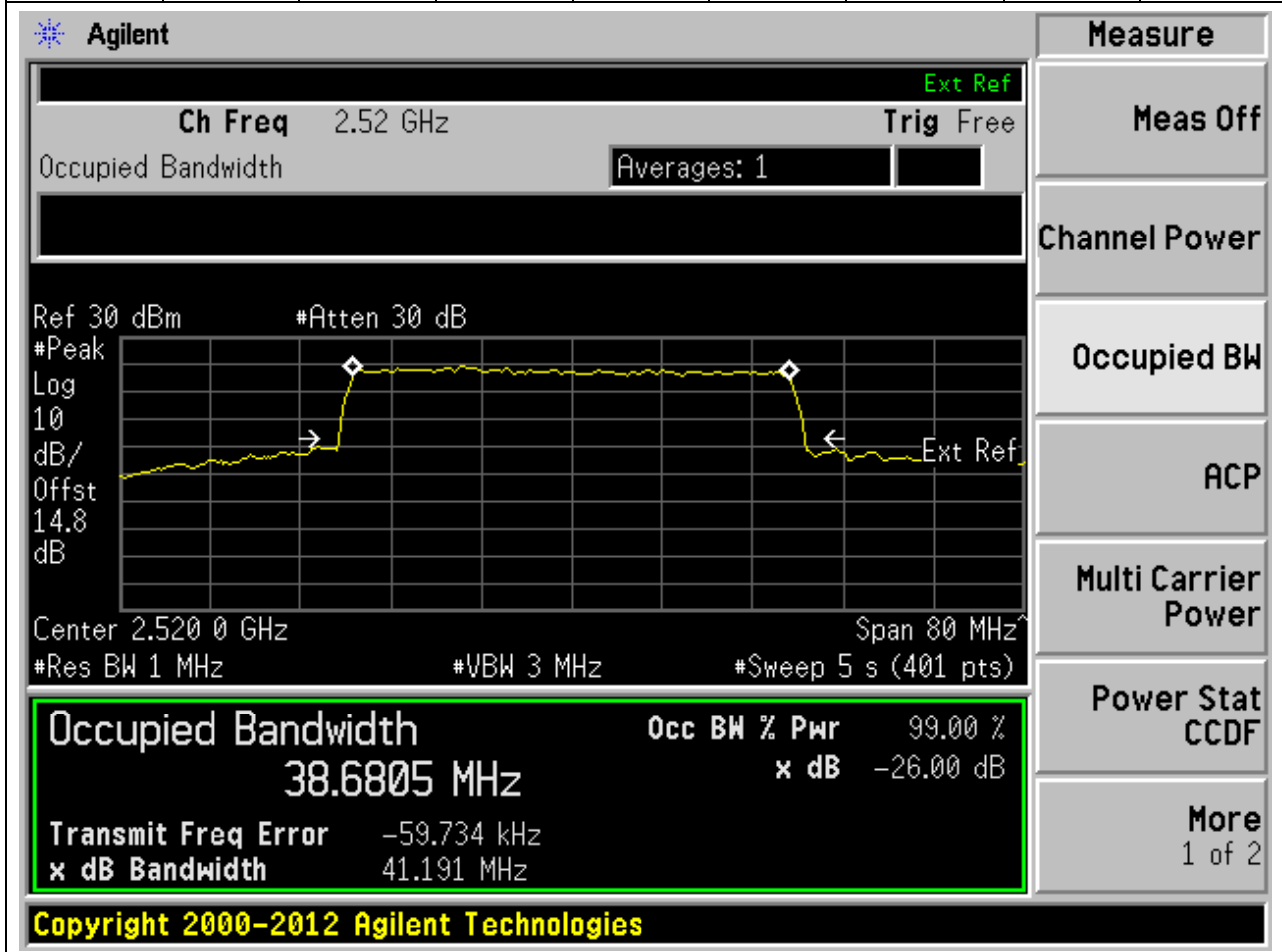
Measurement	Value
Occupied Bandwidth	38.7933 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	12.166 kHz
x dB Bandwidth	41.273 MHz

Additional parameters shown in the interface include: Ch Freq 2.55 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log 10 dB/Offst 14.9 dB, Center 2.550 0 GHz, Span 80 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (401 pts).

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**1.64. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:504000, Bandwidth:40, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:216, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2520	99	26	1	Peak	38.68	41.19	40	Pass



**1.65. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:507000, Bandwidth:40, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:216, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	1	Peak	38.83	41.36	40	Pass

Agilent

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

Ch Freq 2.535 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 2.535 0 GHz Span 80 MHz

#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (401 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
38.8303 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> -45.396 kHz	
<b>x dB Bandwidth</b> 41.359 MHz	

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**1.66. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:510000, Bandwidth:40, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:216, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2550	99	26	1	Peak	38.72	41.22	40	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	38.7220 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-17.962 kHz
x dB Bandwidth	41.219 MHz

Additional parameters shown in the interface include: Ch Freq 2.55 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log 10 dB/Offst 14.9 dB, Center 2.550 0 GHz, Span 80 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (401 pts). 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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**1.67. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:504000, Bandwidth:40, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:216, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2520	99	26	1	Peak	38.77	41.16	40	Pass

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

Measurement	Value
Occupied Bandwidth	38.7701 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-64.118 kHz
x dB Bandwidth	41.162 MHz

Additional parameters shown in the interface include: Ch Freq 2.52 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log 10 dB/Offst 14.8 dB, Center 2.520 0 GHz, Span 80 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (401 pts).

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**1.68. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:507000, Bandwidth:40, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:216, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	1	Peak	38.84	41.29	40	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.535 GHz, and the span is 80 MHz. The occupied bandwidth is highlighted in a green box, showing 38.8377 MHz. The power is 99.00% and the XdB bandwidth is 41.291 MHz. The XdB down is -26.00 dB. The transmit frequency error is -48.939 kHz. The interface also shows various measurement settings like Res BW (1 MHz), VBW (3 MHz), and Sweep (5 s).

Occupied Bandwidth	Occ BW % Pwr	x dB
38.8377 MHz	99.00 %	-26.00 dB

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**1.69. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:510000, Bandwidth:40, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:216, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2550	99	26	1	Peak	38.7	41.16	40	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.55 GHz, and the span is 80 MHz. The occupied bandwidth is highlighted in green, showing a value of 38.7016 MHz. The power is 99.00% and the XdB bandwidth is -26.00 dB. The interface includes various measurement controls and a 'Measure' menu on the right side.

Occupied Bandwidth	Occ BW % Pwr	x dB
38.7016 MHz	99.00 %	-26.00 dB

Other parameters shown in the screenshot include: Ch Freq 2.55 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 14.9 dB, Center 2.550 0 GHz, Span 80 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (401 pts), Transmit Freq Error -58.548 kHz, x dB Bandwidth 41.159 MHz.

**1.70. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:504000, Bandwidth:40, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:216, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2520	99	26	1	Peak	38.7	41.18	40	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	38.7008 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-74.231 kHz
x dB Bandwidth	41.178 MHz

Additional parameters shown in the interface include: Ch Freq 2.52 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 14.8 dB, Center 2.520 0 GHz, Span 80 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (401 pts).

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**1.71. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:507000, Bandwidth:40, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:216, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	1	Peak	38.78	41.19	40	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:

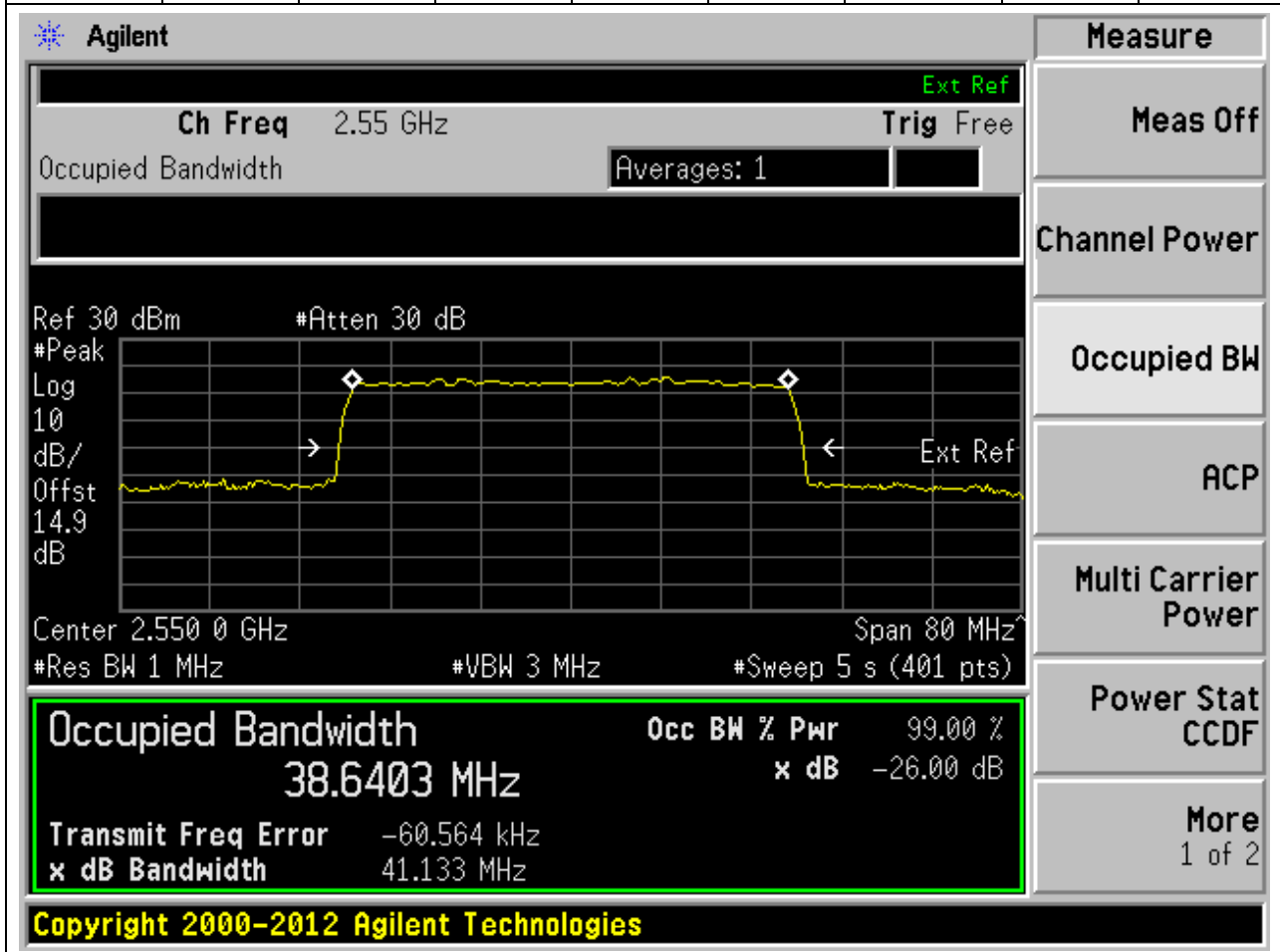
Measurement	Value
Occupied Bandwidth	38.7791 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-55.506 kHz
x dB Bandwidth	41.187 MHz

Additional parameters shown in the interface include: Ch Freq 2.535 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 14.8 dB, Center 2.535 0 GHz, Span 80 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (401 pts).

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**1.72. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:510000, Bandwidth:40, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:216, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2550	99	26	1	Peak	38.64	41.13	40	Pass



**1.73. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:505000, Bandwidth:50, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:270, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2525	99	26	1	Peak	48.38	51.03	50	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.525 GHz, and the span is 100 MHz. The occupied bandwidth is measured as 48.3803 MHz. The power is 99.00% and the XdB bandwidth is 51.032 MHz. The XdB down is -26.00 dB. The transmit frequency error is -33.744 kHz. The interface also shows various settings like Res BW (1 MHz), VBW (3 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
48.3803 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -33.744 kHz  
 x dB Bandwidth: 51.032 MHz

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**1.74. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:507000, Bandwidth:50, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:270, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	1	Peak	48.41	51.02	50	Pass

Agilent
Measure

Ch Freq 2.535 GHz Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

#Peak

Log 10 dB/Offst 14.8 dB

Center 2.535 00 GHz Span 100 MHz

#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (500 pts)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**Occupied Bandwidth**

**48.4126 MHz**

Transmit Freq Error -49.624 kHz

x dB Bandwidth 51.021 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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**1.75. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:509000, Bandwidth:50, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:270, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2545	99	26	1	Peak	48.28	51.04	50	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal trace with a yellow line representing the spectrum. The center frequency is 2.545 GHz, and the span is 100 MHz. The occupied bandwidth is measured as 48.2761 MHz, which is 99.00% of the channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -69.640 kHz, and the XdB bandwidth is 51.042 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
48.2761 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -69.640 kHz  
 x dB Bandwidth: 51.042 MHz

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**1.76. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:505000, Bandwidth:50, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:270, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2525	99	26	1	Peak	48.36	52.46	50	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is 2.525 GHz. The main display shows a spectrum plot with a yellow trace. The plot is set to a reference level of 30 dBm and an attenuation of 30 dB. The y-axis is labeled 'Log 10 dB/Offst 14.8 dB'. The x-axis shows a center frequency of 2.525 00 GHz and a span of 100 MHz. The resolution bandwidth is 1 MHz, the video bandwidth is 3 MHz, and the sweep time is 5 s (500 pts). A green box highlights the measurement results:

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
<b>48.3555 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		-52.816 kHz
<b>x dB Bandwidth</b>		52.462 MHz

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

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**1.77. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:507000, Bandwidth:50, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:270, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	1	Peak	48.38	54.5	50	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.535 GHz, and the span is 100 MHz. The occupied bandwidth is measured as 48.3806 MHz. The power is 99.00% and the XdB bandwidth is 54.504 MHz. The XdB down is -26.00 dB. The transmit frequency error is -73.600 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	x dB
48.3806 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -73.600 kHz  
x dB Bandwidth: 54.504 MHz

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**1.78. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:509000, Bandwidth:50, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:270, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2545	99	26	1	Peak	48.25	51.02	50	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	48.2526 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-101.269 kHz
x dB Bandwidth	51.021 MHz

Additional parameters shown in the interface include: Ch Freq 2.545 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 14.8 dB, Center 2.545 00 GHz, Span 100 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (500 pts).

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**1.79. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:505000, Bandwidth:50, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:270, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2525	99	26	1	Peak	48.34	50.95	50	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.525 GHz, and the span is 100 MHz. The occupied bandwidth is measured as 48.3444 MHz, which is 99.00% of the 50 MHz channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is 3.477 kHz. The XdB bandwidth is 50.950 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
48.3444 MHz	99.00 %	-26.00 dB

Transmit Freq Error: 3.477 kHz  
x dB Bandwidth: 50.950 MHz

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**1.80. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:507000, Bandwidth:50, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:270, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	1	Peak	48.37	50.99	50	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.535 GHz, and the span is 100 MHz. The occupied bandwidth is highlighted as 48.3689 MHz. The power is 99.00% and the XdB bandwidth is -26.00 dB. The interface includes a 'Measure' panel on the right with buttons for '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
48.3689 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -5.481 kHz  
 x dB Bandwidth: 50.995 MHz

**1.81. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:509000, Bandwidth:50, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:270, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2545	99	26	1	Peak	48.22	50.99	50	Pass

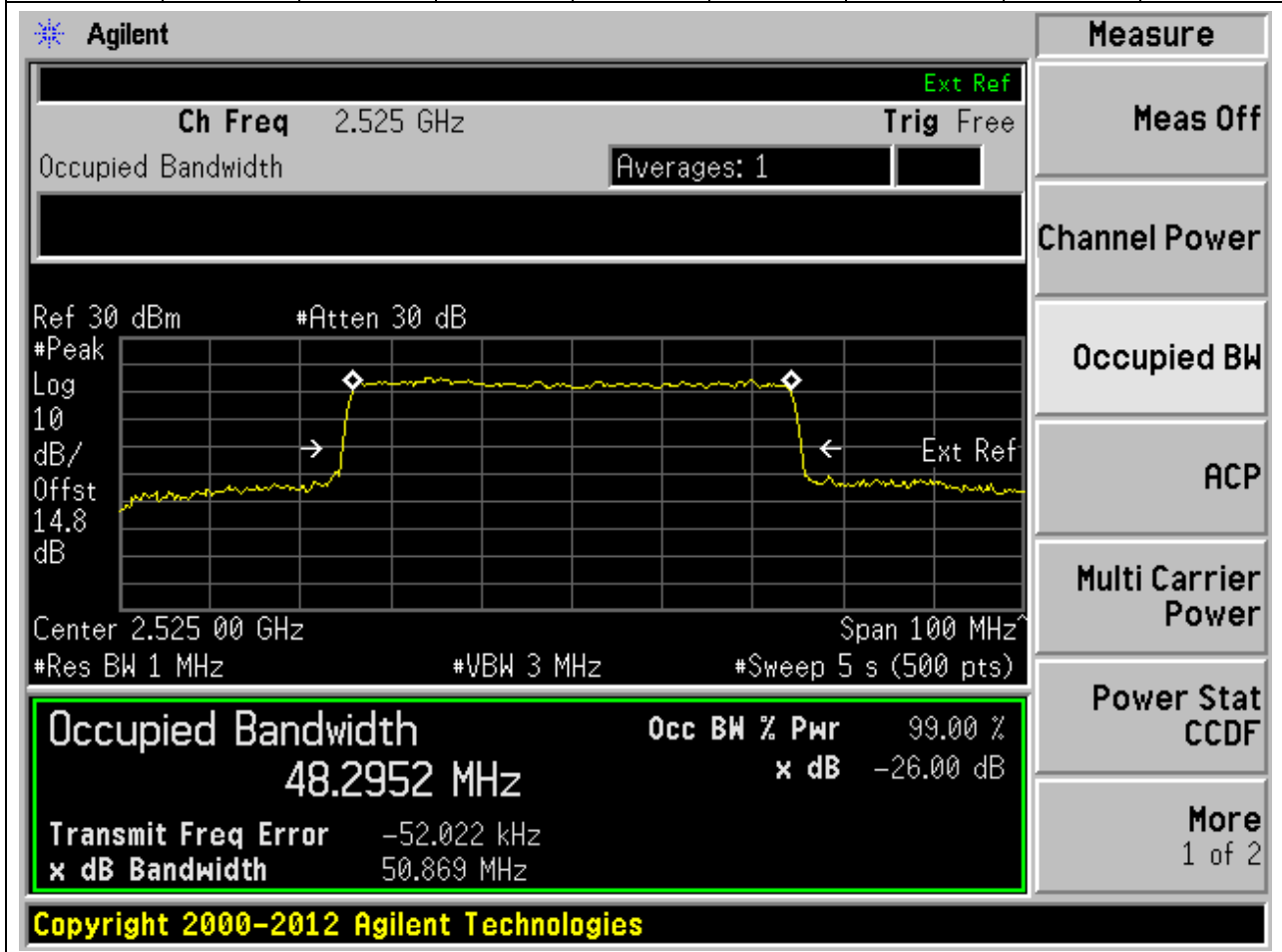
The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is 2.545 GHz. The main display shows a spectrum plot with a yellow trace. The plot parameters include a reference level of 30 dBm, a peak level of 10 dB, and an offset of 14.8 dB. The occupied bandwidth is highlighted in a green box at the bottom of the screen, showing a value of 48.2248 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 -3.989 kHz and an XdB bandwidth of 50.986 MHz. The interface also includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The copyright notice at the bottom reads 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
48.2248 MHz	99.00 %	-26.00 dB



**1.82. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:505000, Bandwidth:50, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:270, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2525	99	26	1	Peak	48.3	50.87	50	Pass



**1.83. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:507000, Bandwidth:50, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:270, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	1	Peak	48.34	50.92	50	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The center frequency is 2.535 GHz. The occupied bandwidth is measured as 48.3404 MHz. The power is 99.00% and the XdB bandwidth is -26.00 dB. The transmit frequency error is -64.216 kHz. The XdB bandwidth is 50.920 MHz. The interface includes a 'Measure' panel on the right with buttons for '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
48.3404 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -64.216 kHz  
 x dB Bandwidth: 50.920 MHz

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**1.84. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:509000, Bandwidth:50, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:270, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2545	99	26	1	Peak	48.22	50.89	50	Pass

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

Ch Freq 2.545 GHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
→
←

10

dB/

Offst

14.8

dB

Center 2.545 00 GHz
Span 100 MHz

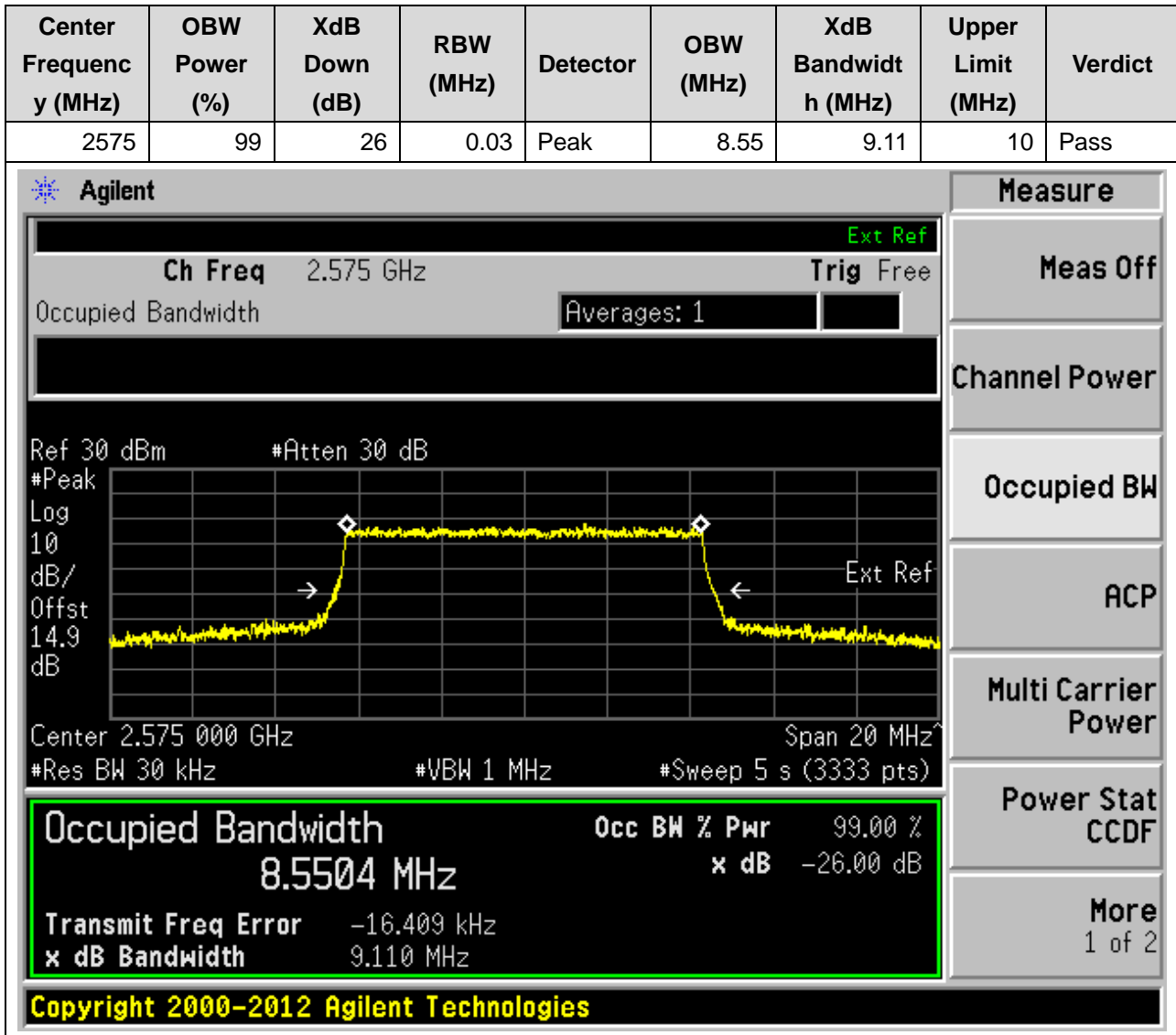
#Res BW 1 MHz
#VBW 3 MHz
#Sweep 5 s (500 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
48.2223 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b>	-80.696 kHz
<b>x dB Bandwidth</b>	50.887 MHz

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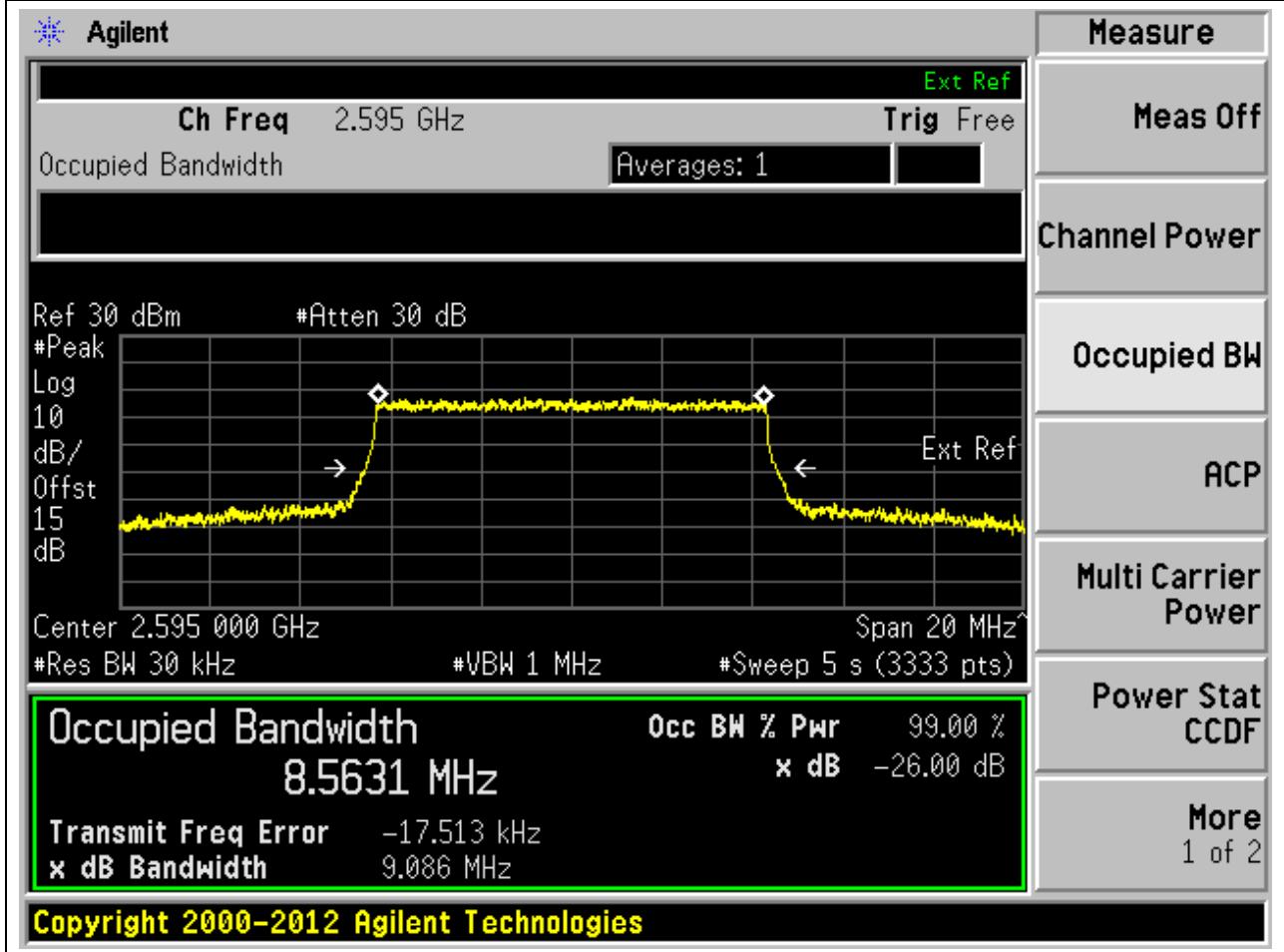
## 2. n38\_PC3

2.1. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:515000, Bandwidth:10, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:24, RB Position:0)



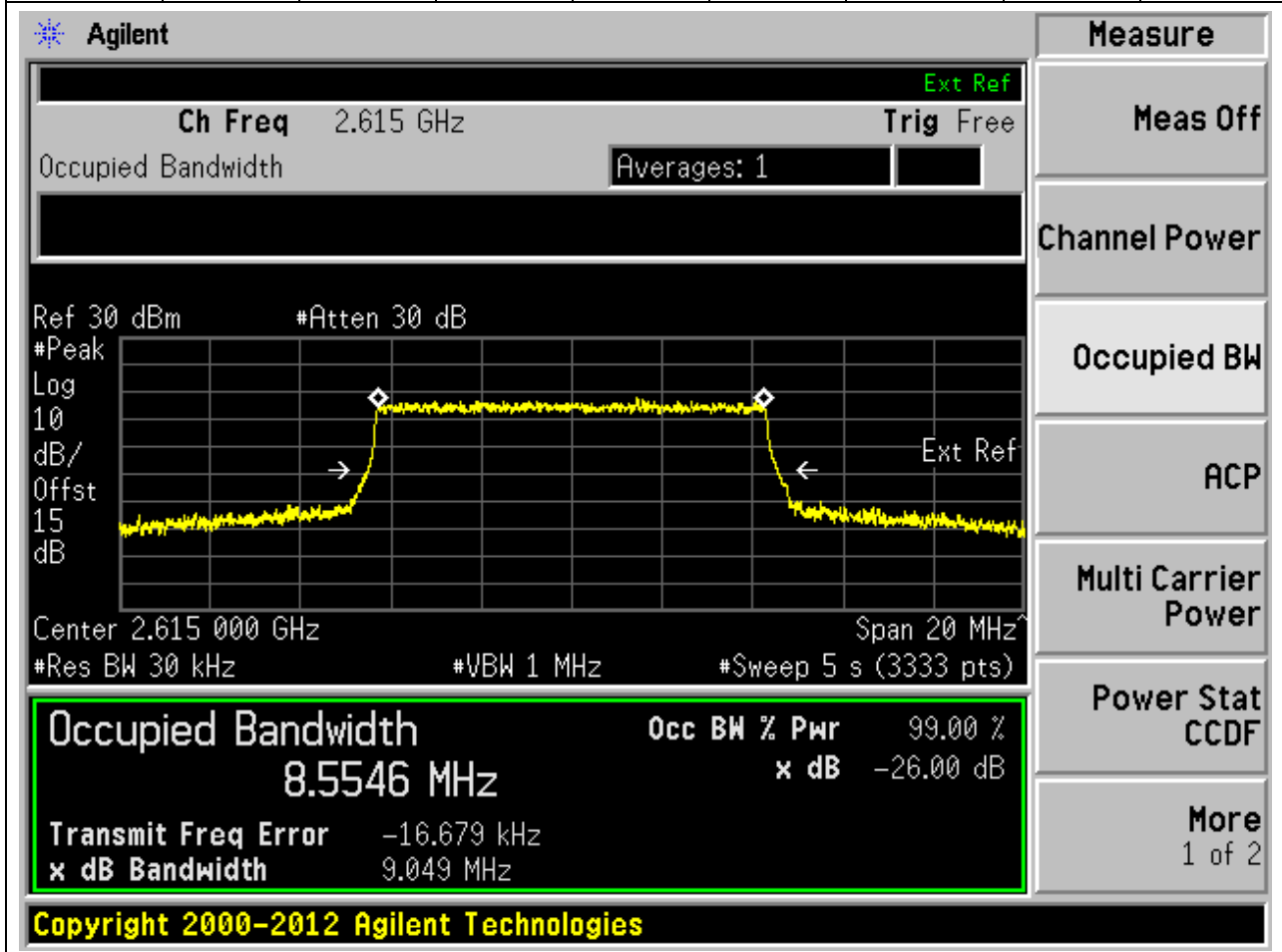
**2.2. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:519000, Bandwidth:10, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:24, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2595	99	26	0.03	Peak	8.56	9.09	10	Pass



**2.3. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:523000, Bandwidth:10, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:24, 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	0.03	Peak	8.55	9.05	10	Pass



**2.4. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:515000, Bandwidth:10, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:24, 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	0.03	Peak	8.56	9.03	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.575 GHz and the span is 20 MHz. The occupied bandwidth is measured as 8.5617 MHz. The power is 99.00% and the XdB bandwidth is 9.026 MHz. The XdB down is -26.00 dB. The transmit frequency error is -17.756 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	x dB
8.5617 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -17.756 kHz  
x dB Bandwidth: 9.026 MHz

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**2.5. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:519000, Bandwidth:10, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:24, 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	0.03	Peak	8.56	9.04	10	Pass

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

Measurement	Value
Occupied Bandwidth	8.5563 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-17.582 kHz
x dB Bandwidth	9.038 MHz

Additional parameters shown in the interface include: Ch Freq 2.595 GHz, Res BW 30 kHz, VBW 1 MHz, Sweep 5 s (3333 pts), and Span 20 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'.

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**2.6. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:523000, Bandwidth:10, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:24, 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	0.03	Peak	8.56	9.06	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow signal trace. The center frequency is 2.615 GHz, and the span is 20 MHz. The occupied bandwidth is measured as 8.5620 MHz. The power is 99.00% and the XdB bandwidth is -26.00 dB. 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
8.5620 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -19.203 kHz  
x dB Bandwidth: 9.056 MHz

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**2.7. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:515000, Bandwidth:10, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:24, 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	0.03	Peak	8.55	9	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 2.575 GHz, 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 (3333 points). The signal level is approximately 14.9 dBm. The occupied bandwidth is measured as 8.5515 MHz, which is 99.00% of the channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -18.745 kHz, and the x dB bandwidth is 9.003 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 bottom of the screen displays the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

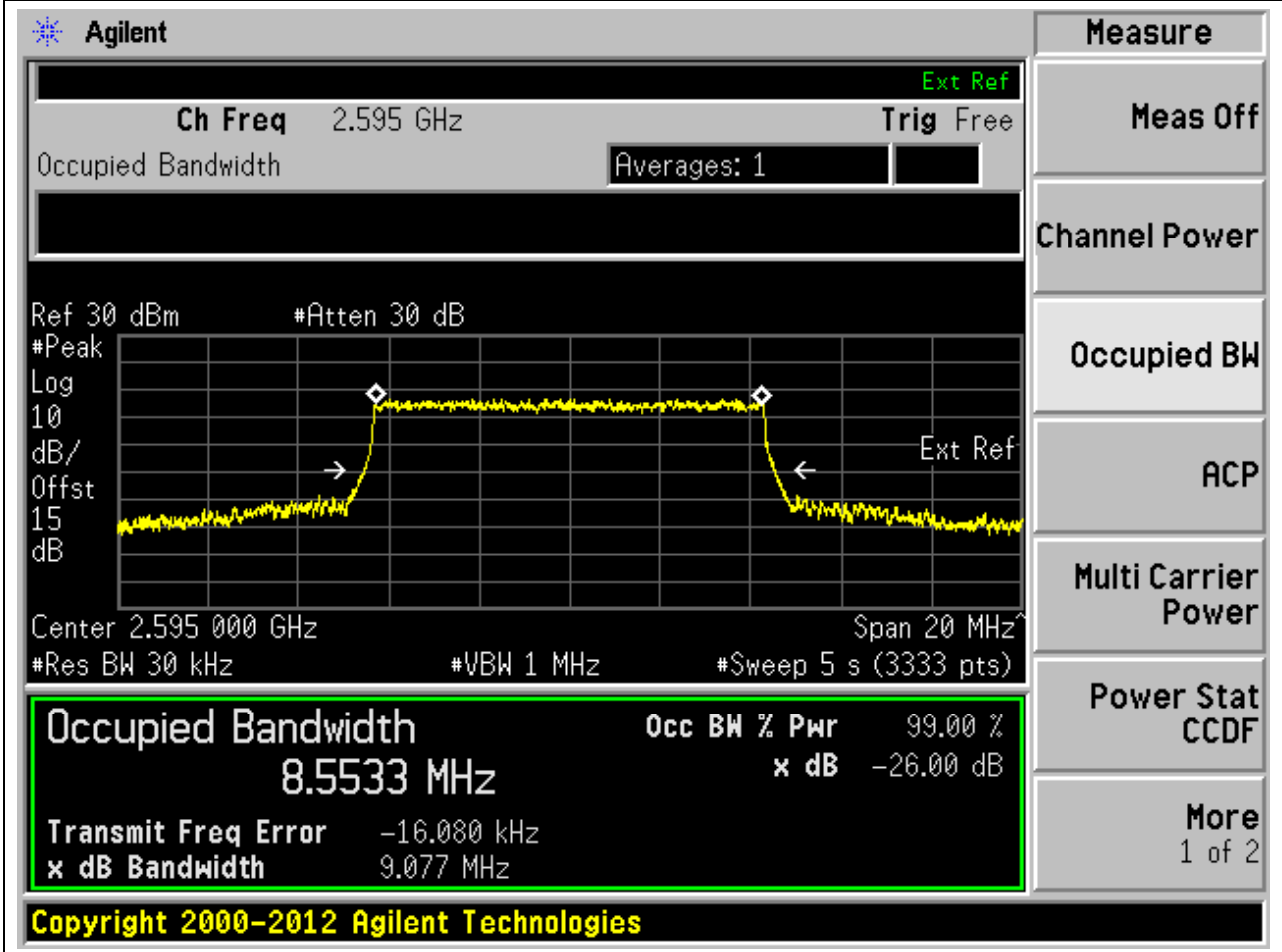
Occupied Bandwidth	Occ BW % Pwr	x dB
8.5515 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -18.745 kHz  
x dB Bandwidth: 9.003 MHz

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**2.8. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:519000, Bandwidth:10, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:24, 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	0.03	Peak	8.55	9.08	10	Pass



**2.9. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:523000, Bandwidth:10, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:24, 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	0.03	Peak	8.55	9	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.615 GHz, 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 8.5500 MHz, which is 99.00% of the channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -16.975 kHz, and the XdB bandwidth is 8.995 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
8.5500 MHz	99.00 %	-26.00 dB

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**2.10. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:515000, Bandwidth:10, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:24, 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	0.03	Peak	8.57	9	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow signal trace. The plot is centered at 2.575 GHz with 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 signal level is approximately -26 dB. The occupied bandwidth is measured as 8.5690 MHz, which is 99.00% of the channel bandwidth. The transmit frequency error is -11.873 kHz, and the x dB bandwidth is 9.004 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'.

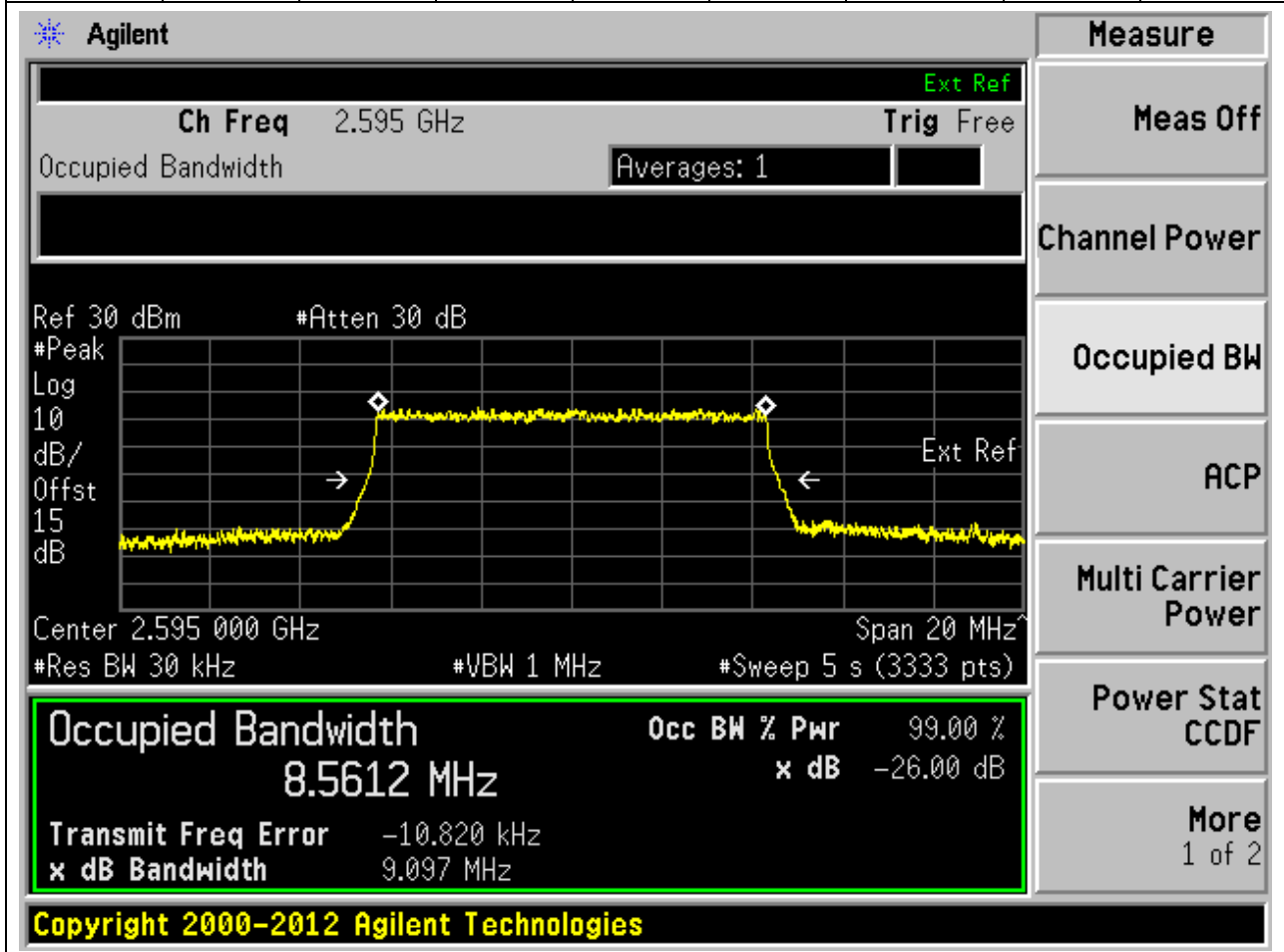
Occupied Bandwidth	Occ BW % Pwr	x dB
8.5690 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -11.873 kHz  
 x dB Bandwidth: 9.004 MHz

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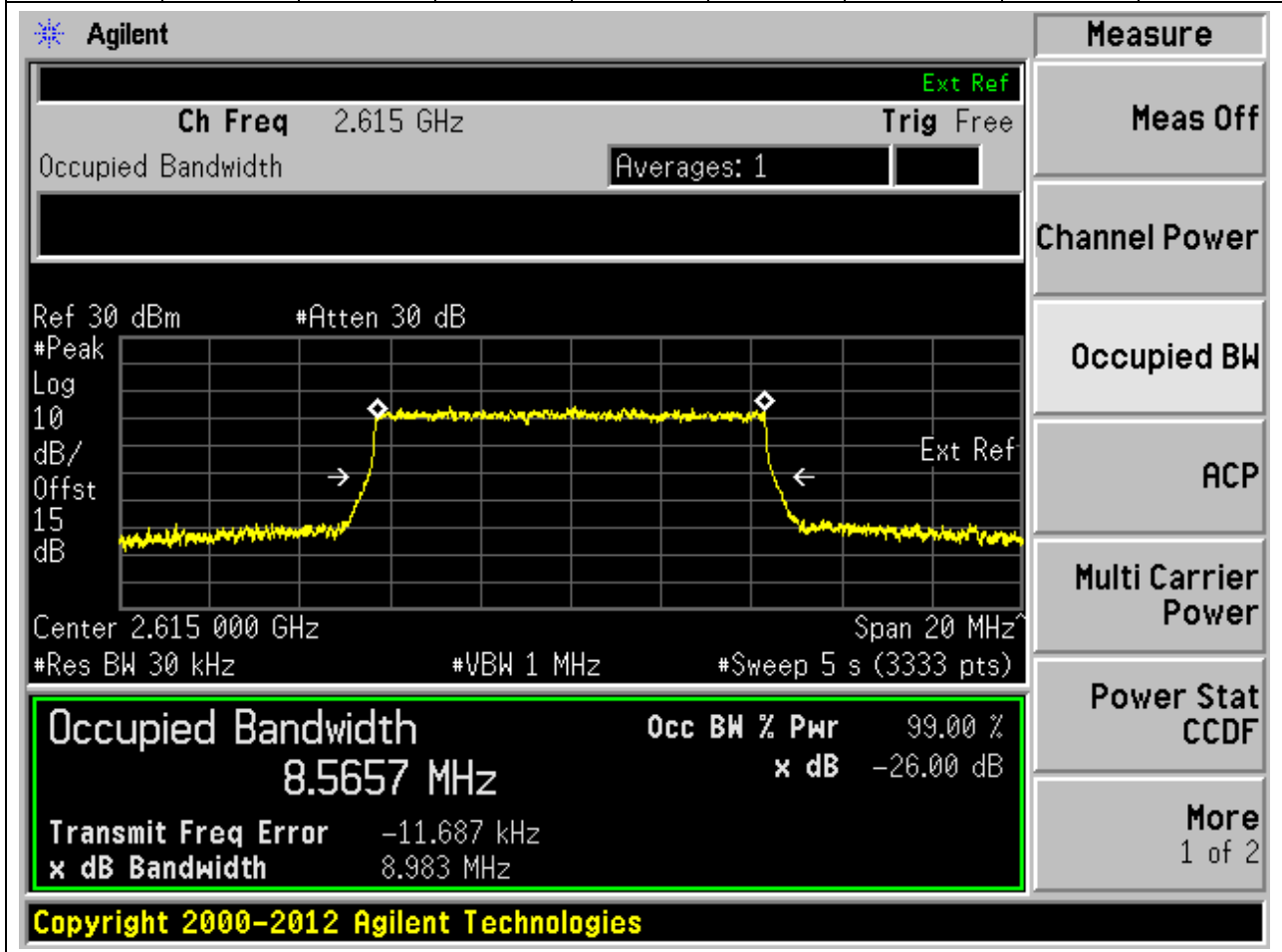
**2.11. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:519000, Bandwidth:10, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:24, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2595	99	26	0.03	Peak	8.56	9.1	10	Pass



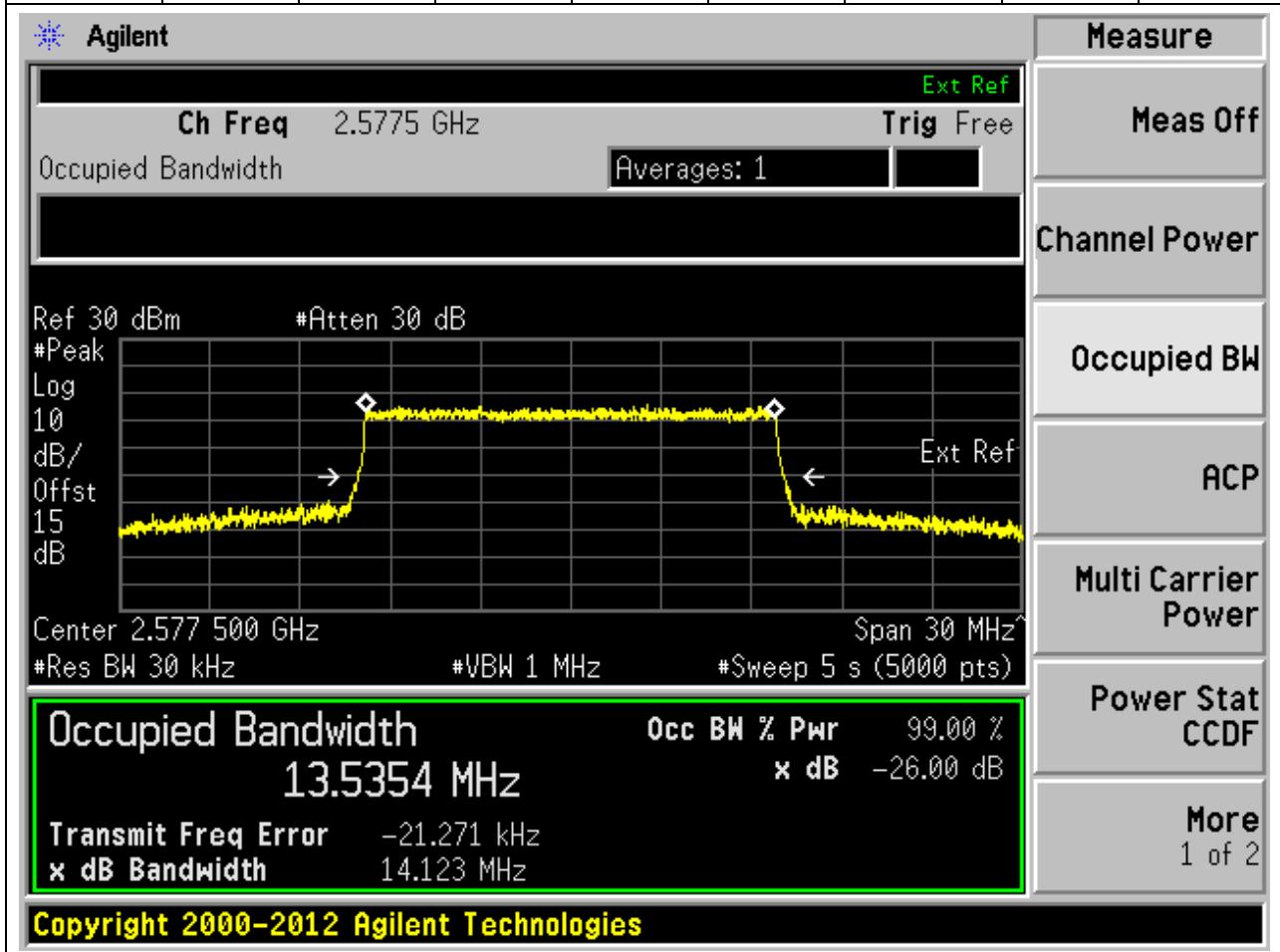
**2.12. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:523000, Bandwidth:10, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:24, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2615	99	26	0.03	Peak	8.57	8.98	10	Pass



**2.13. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:515500, Bandwidth:15, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:38, RB Position:0)**

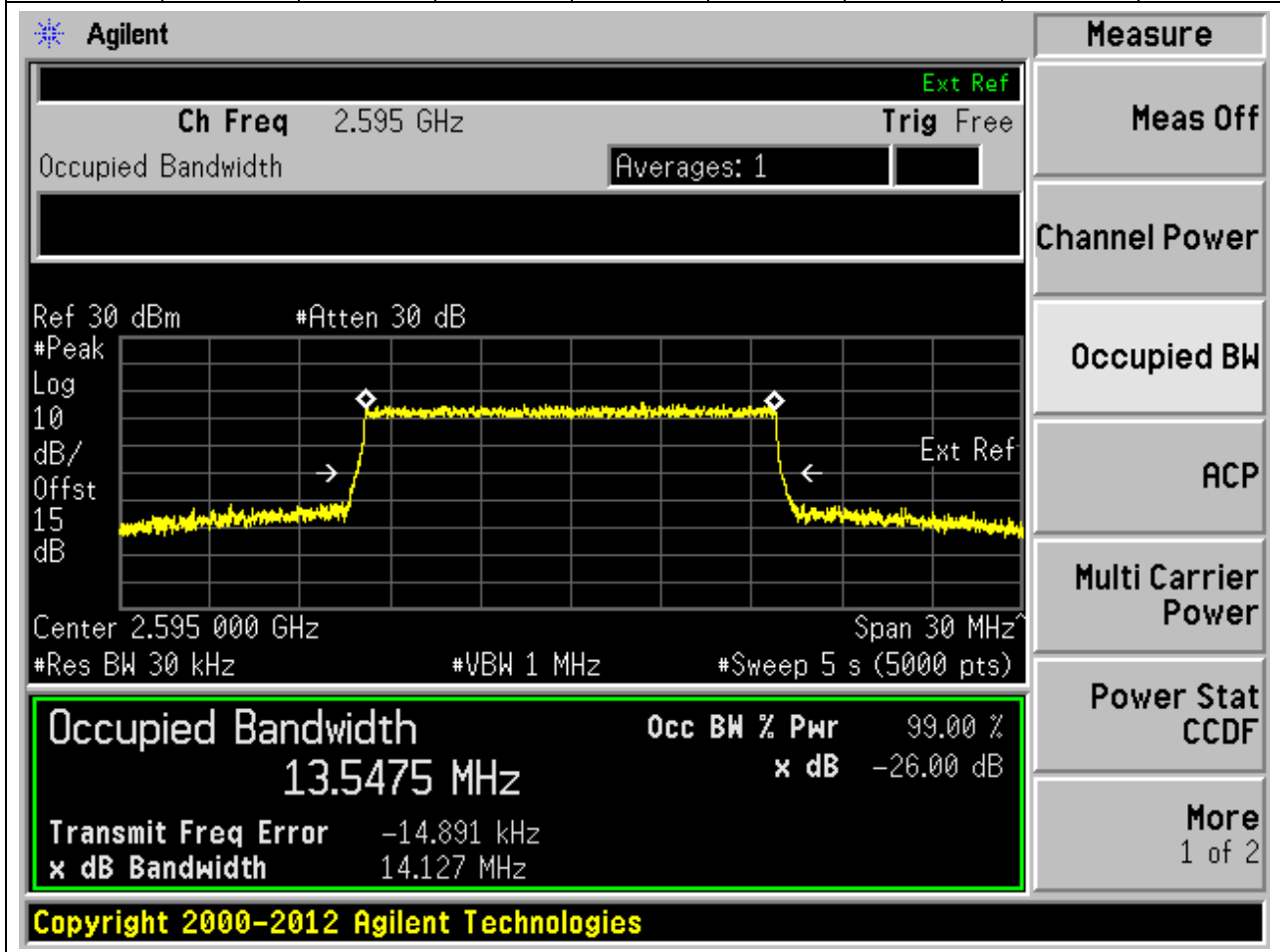
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2577.5	99	26	0.03	Peak	13.54	14.12	15	Pass





**2.14. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:519000, Bandwidth:15, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:38, 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	0.03	Peak	13.55	14.13	15	Pass



**2.15. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:522500, Bandwidth:15, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:38, 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	0.03	Peak	13.54	14.04	15	Pass

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

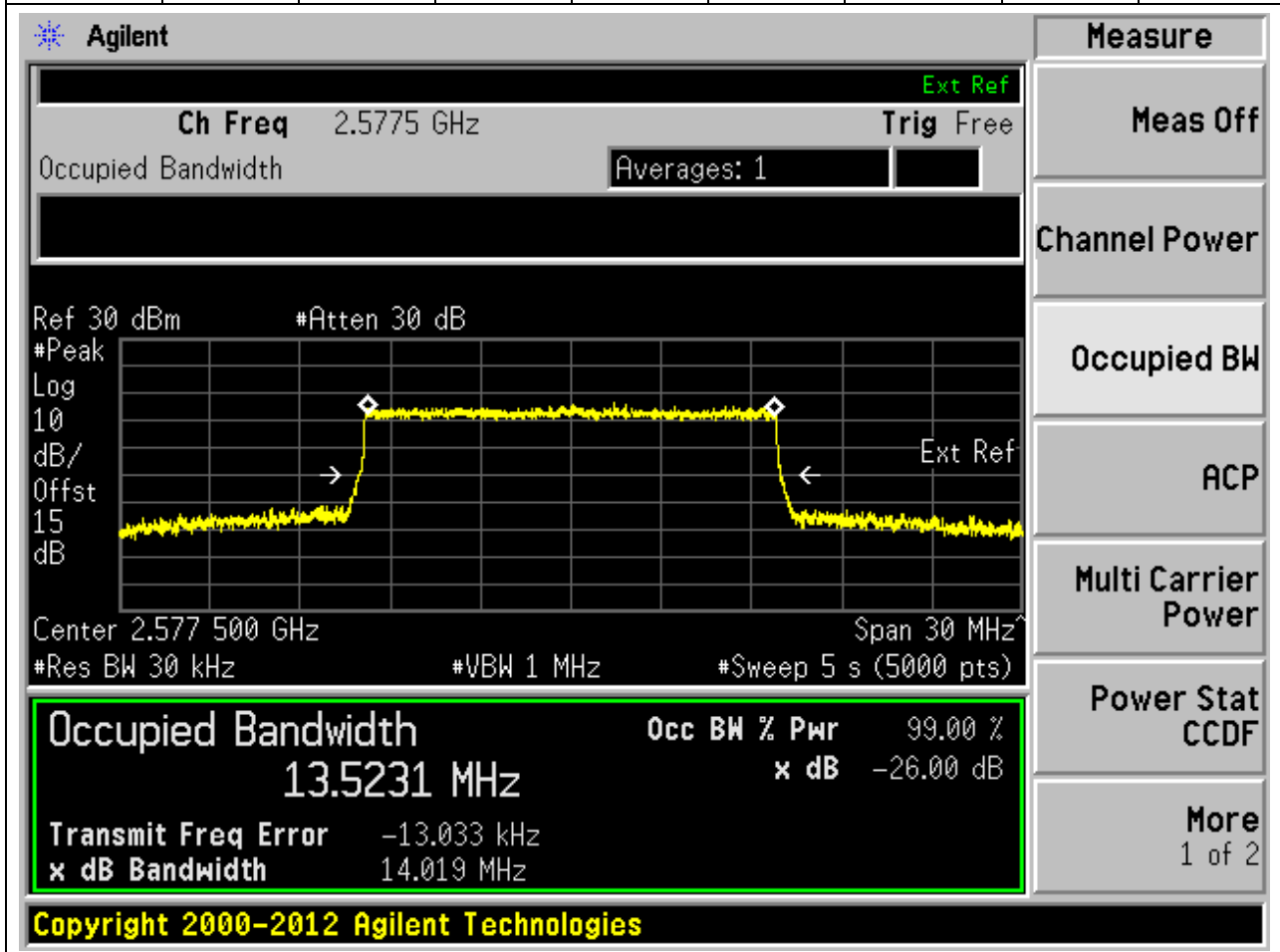
Measurement	Value
Occupied Bandwidth	13.5416 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-18.708 kHz
x dB Bandwidth	14.044 MHz

Additional parameters shown in the interface include: Ch Freq 2.6125 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst, 15 dB, Center 2.612 500 GHz, Span 30 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 5 s (5000 pts).

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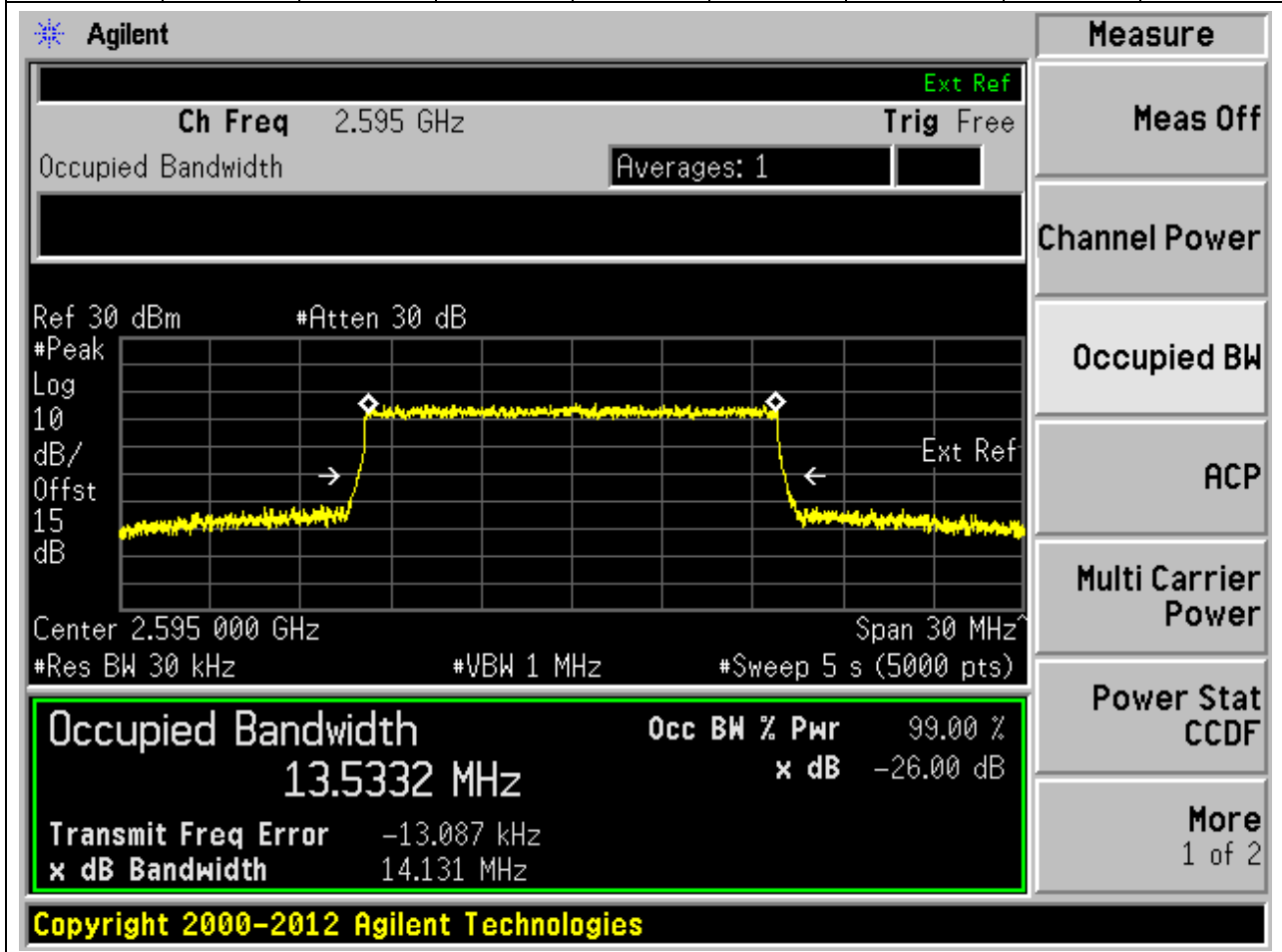
**2.16. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:515500, Bandwidth:15, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:38, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2577.5	99	26	0.03	Peak	13.52	14.02	15	Pass



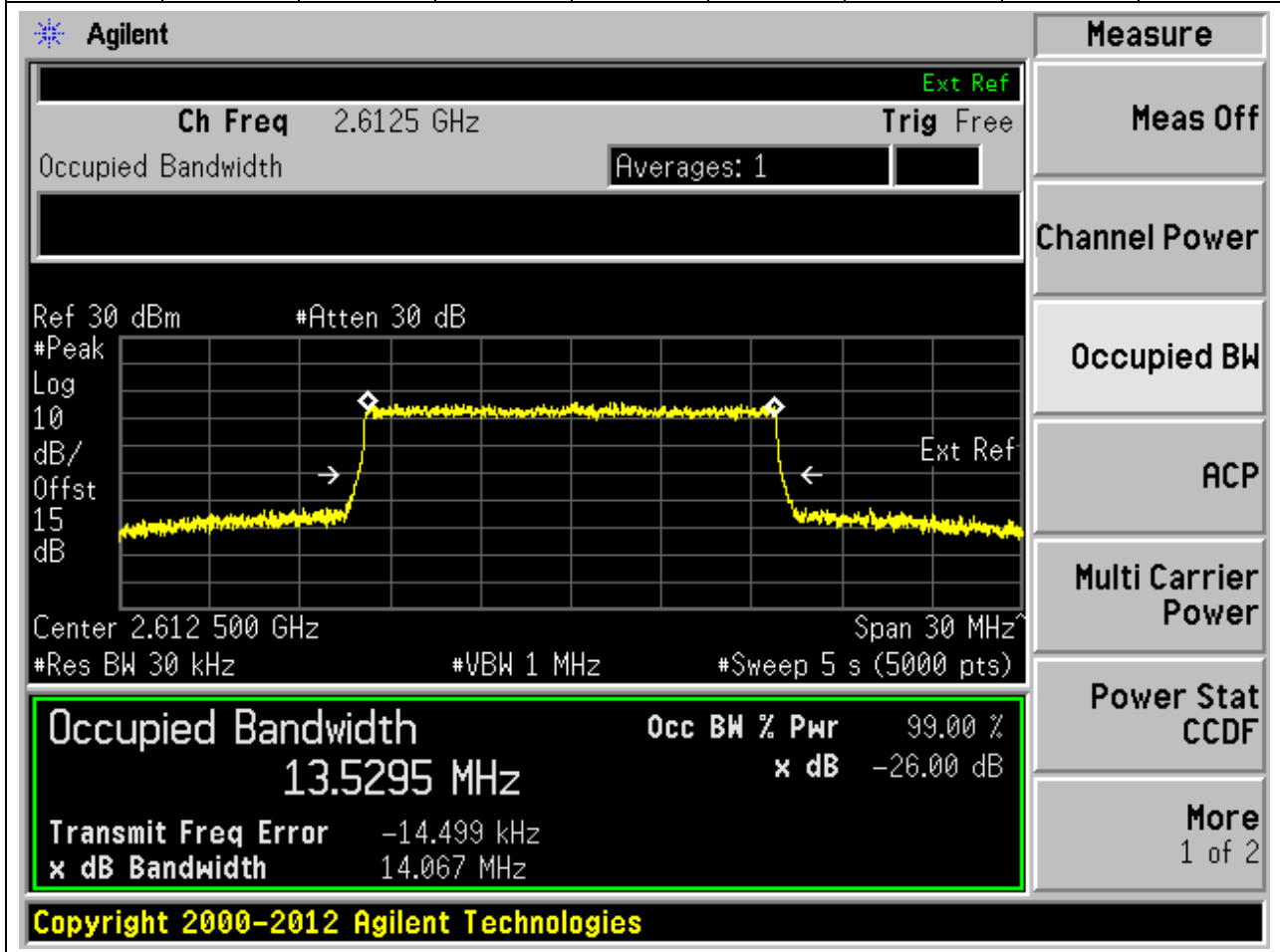
**2.17. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:519000, Bandwidth:15, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:38, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2595	99	26	0.03	Peak	13.53	14.13	15	Pass



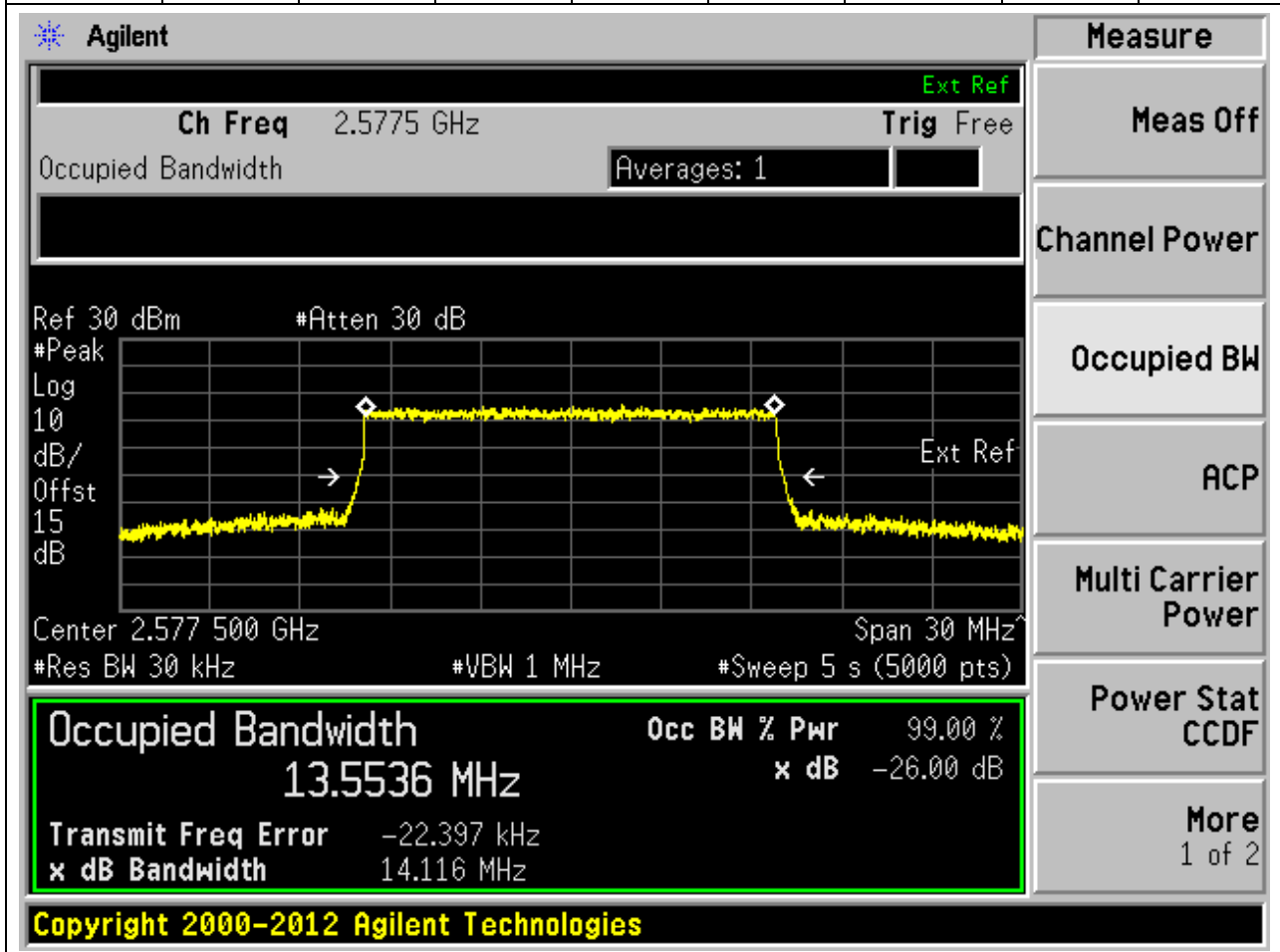
**2.18. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:522500, Bandwidth:15, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:38, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2612.5	99	26	0.03	Peak	13.53	14.07	15	Pass



**2.19. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:515500, Bandwidth:15, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:38, 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	0.03	Peak	13.55	14.12	15	Pass



**2.20. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:519000, Bandwidth:15, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:38, 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	0.03	Peak	13.55	14.13	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 results are as follows:

Measurement	Value
Occupied Bandwidth	13.5454 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-6.699 kHz
x dB Bandwidth	14.133 MHz

Additional parameters shown in the interface include: Ch Freq 2.595 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst, 15 dB, Center 2.595 000 GHz, Span 30 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 5 s (5000 pts).

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**2.21. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:522500, Bandwidth:15, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:38, 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	0.03	Peak	13.54	14.1	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.6125 GHz, and the span is 30 MHz. The occupied bandwidth is measured as 13.5400 MHz. The power is 99.00% and the XdB bandwidth is 14.099 MHz. The XdB down is -26.00 dB. The transmit frequency error is -16.092 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 1 of 2'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
13.5400 MHz	99.00 %	-26.00 dB

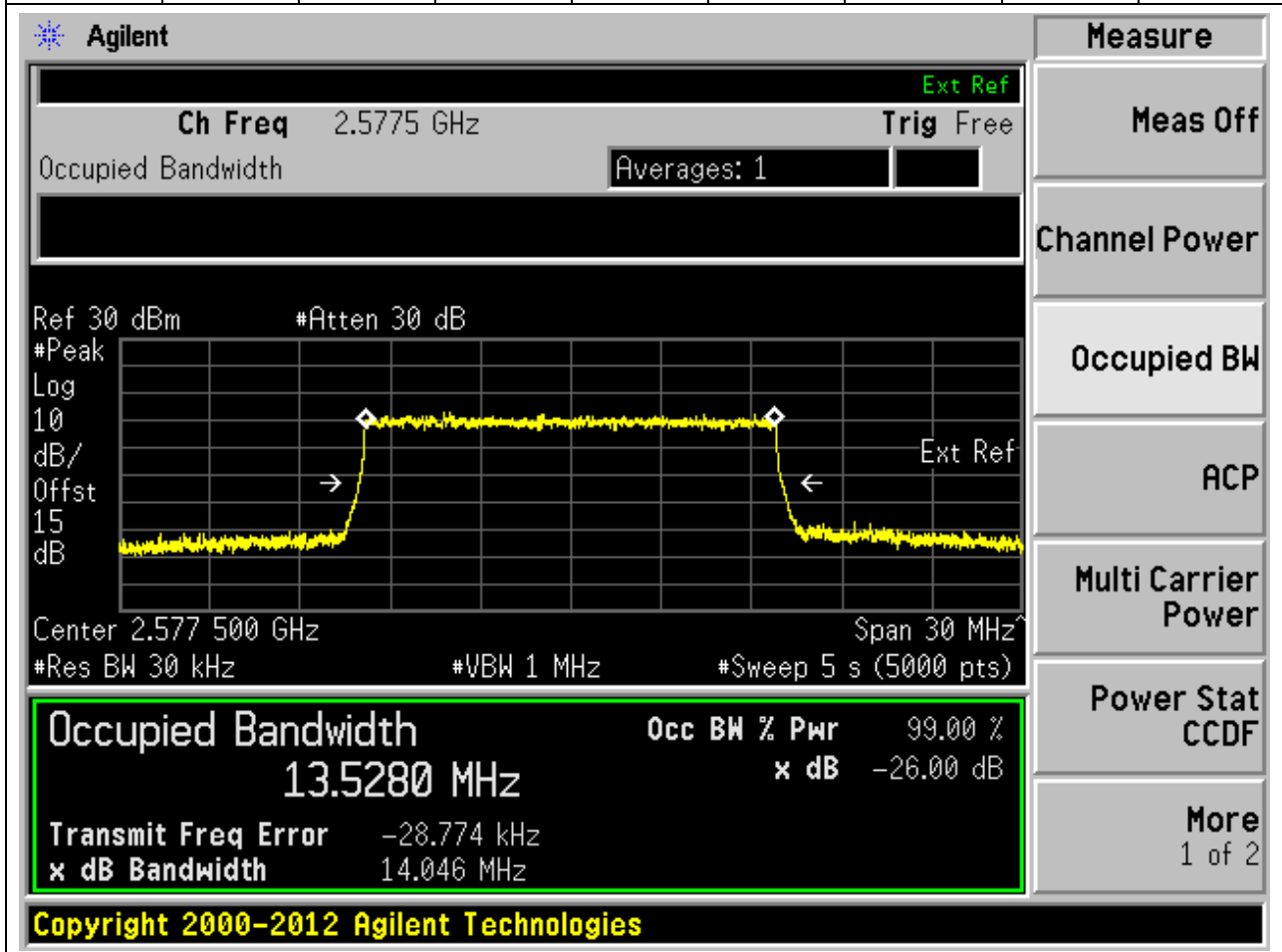
Transmit Freq Error: -16.092 kHz  
x dB Bandwidth: 14.099 MHz

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**2.22. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:515500, Bandwidth:15, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:38, 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	0.03	Peak	13.53	14.05	15	Pass



**2.23. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:519000, Bandwidth:15, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:38, 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	0.03	Peak	13.53	14.03	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow signal trace. The center frequency is 2.595 GHz, and the span is 30 MHz. The occupied bandwidth is measured as 13.5251 MHz. The power is 99.00% and the XdB bandwidth is 14.029 MHz. The XdB down is -26.00 dB. The transmit frequency error is -32.623 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 1 of 2'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

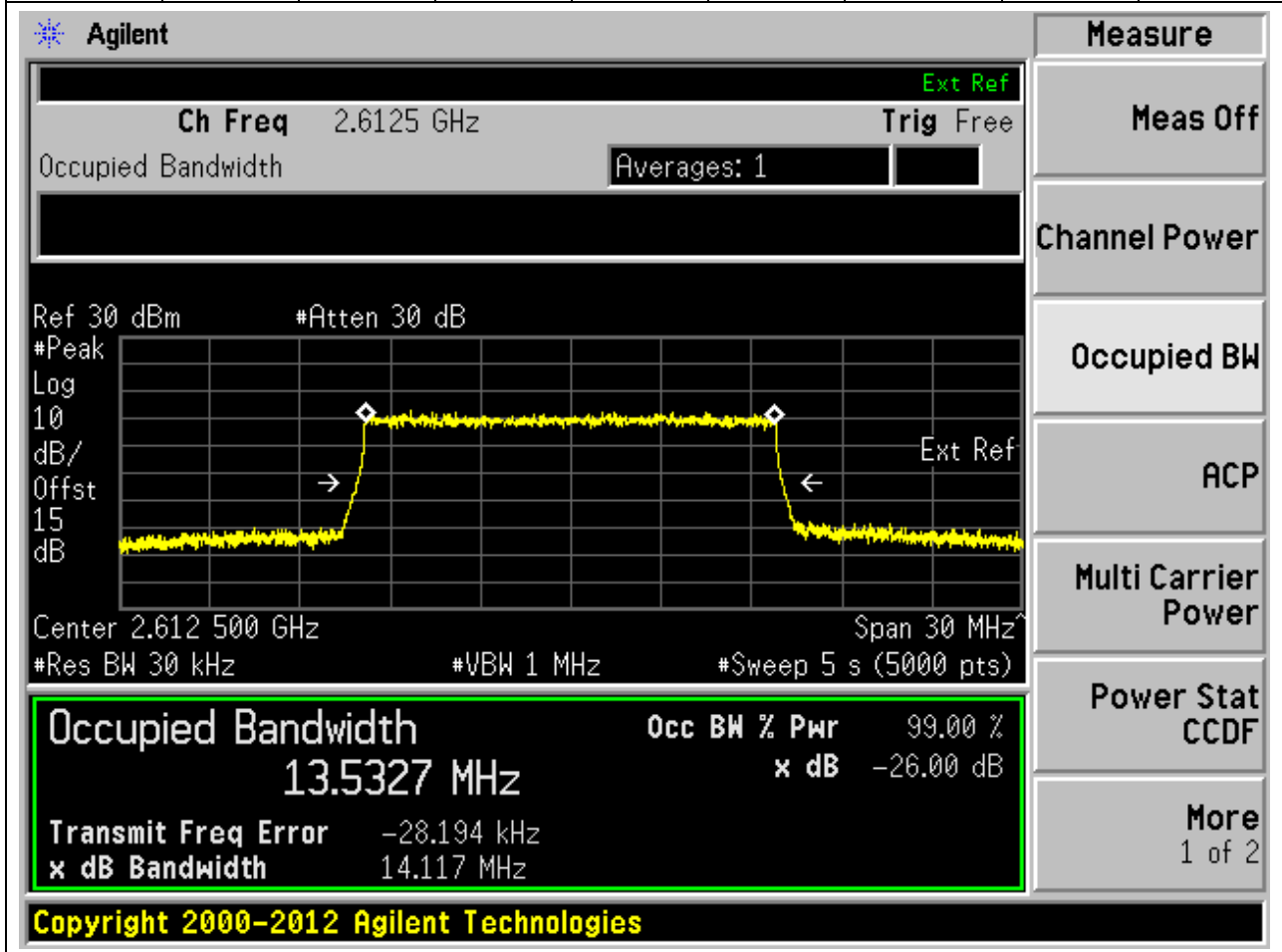
Occupied Bandwidth	Occ BW % Pwr	x dB
13.5251 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -32.623 kHz  
x dB Bandwidth: 14.029 MHz

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**2.24. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:522500, Bandwidth:15, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:38, 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	0.03	Peak	13.53	14.12	15	Pass



**2.25. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:516000, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:51, 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	0.03	Peak	18.19	18.84	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a yellow signal trace on a grid. The center frequency is 2.58 GHz, and the span is 40 MHz. The occupied bandwidth is highlighted in a green box with the following values:

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
<b>18.1883 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		-14.683 kHz
<b>x dB Bandwidth</b>		18.841 MHz

Other visible parameters include: Ch Freq 2.58 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 15 dB, Center 2.580 000 GHz, Span 40 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 5 s (6666 pts). The right-hand side of the screen shows a 'Measure' menu with options: Meas Off, Channel Power, Occupied BW, ACP, Multi Carrier Power, Power Stat CCDF, and More (1 of 2).

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**2.26. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:519000, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:51, 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	0.03	Peak	18.18	18.78	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a yellow signal trace on a grid. The center frequency is 2.595 GHz, and the span is 40 MHz. The occupied bandwidth is highlighted in a green box with the following values:

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
<b>18.1842 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		-9.253 kHz
<b>x dB Bandwidth</b>		18.778 MHz

Additional parameters shown include: Ch Freq 2.595 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 15 dB, Center 2.595 000 GHz, Span 40 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 5 s (6666 pts). The right-hand side of the interface shows a 'Measure' menu with options: Meas Off, Channel Power, Occupied BW, ACP, Multi Carrier Power, Power Stat CCDF, and More (1 of 2).

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**2.27. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:522000, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:51, 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	0.03	Peak	18.17	18.74	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The center frequency is 2.61 GHz, and the span is 40 MHz. The occupied bandwidth is measured as 18.1738 MHz. The power is 99.00% and the XdB bandwidth is 18.743 MHz. The XdB down is -26.00 dB. The transmit frequency error is -8.567 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'.

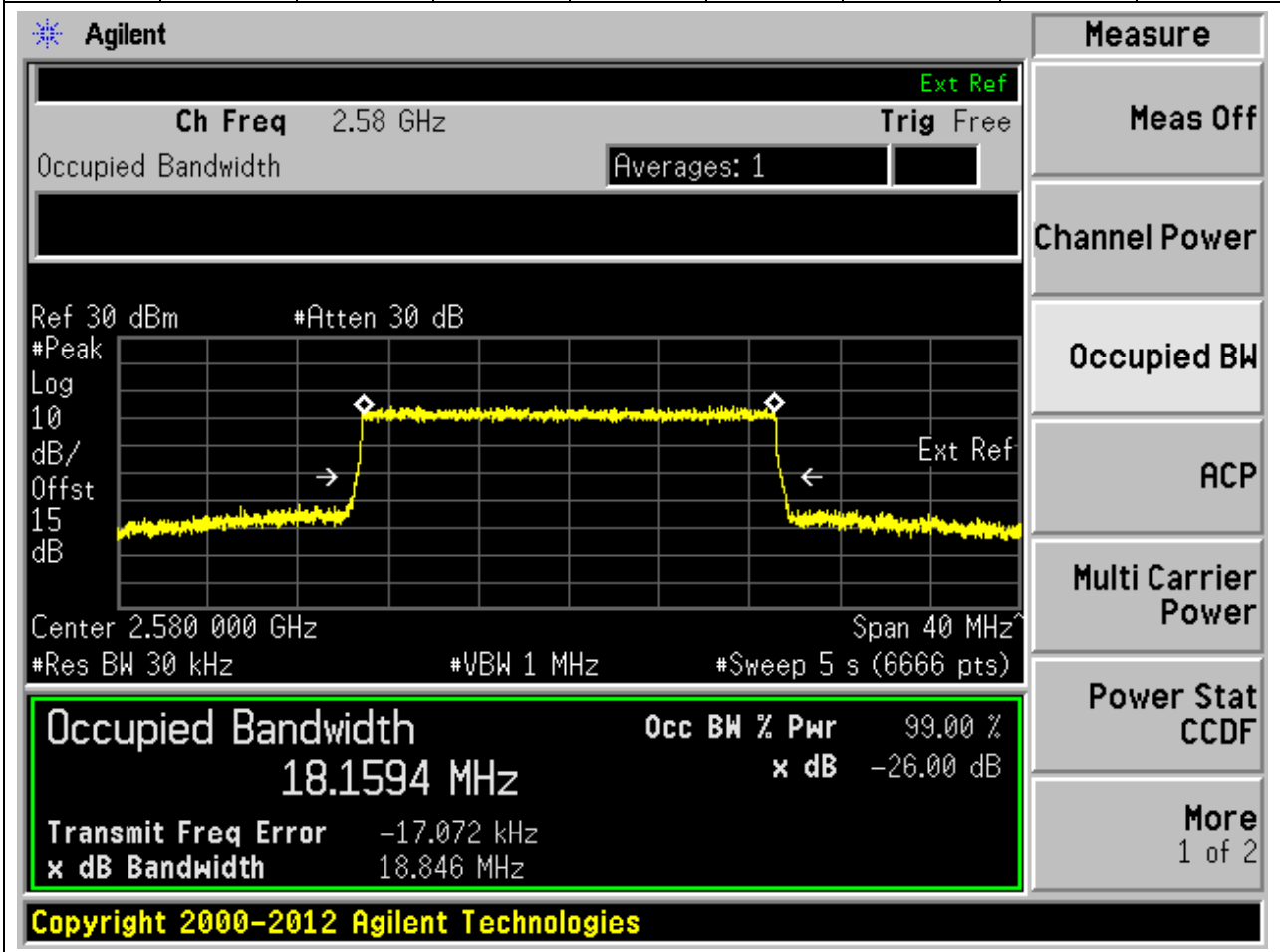
Occupied Bandwidth	Occ BW % Pwr	x dB
18.1738 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -8.567 kHz  
x dB Bandwidth: 18.743 MHz

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**2.28. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:516000, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:51, 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	0.03	Peak	18.16	18.85	20	Pass



**2.29. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:519000, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:51, 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	0.03	Peak	18.16	18.82	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a yellow signal trace on a grid. The center frequency is 2.595 GHz, and the span is 40 MHz. The occupied bandwidth is highlighted in a green box at the bottom of the screen.

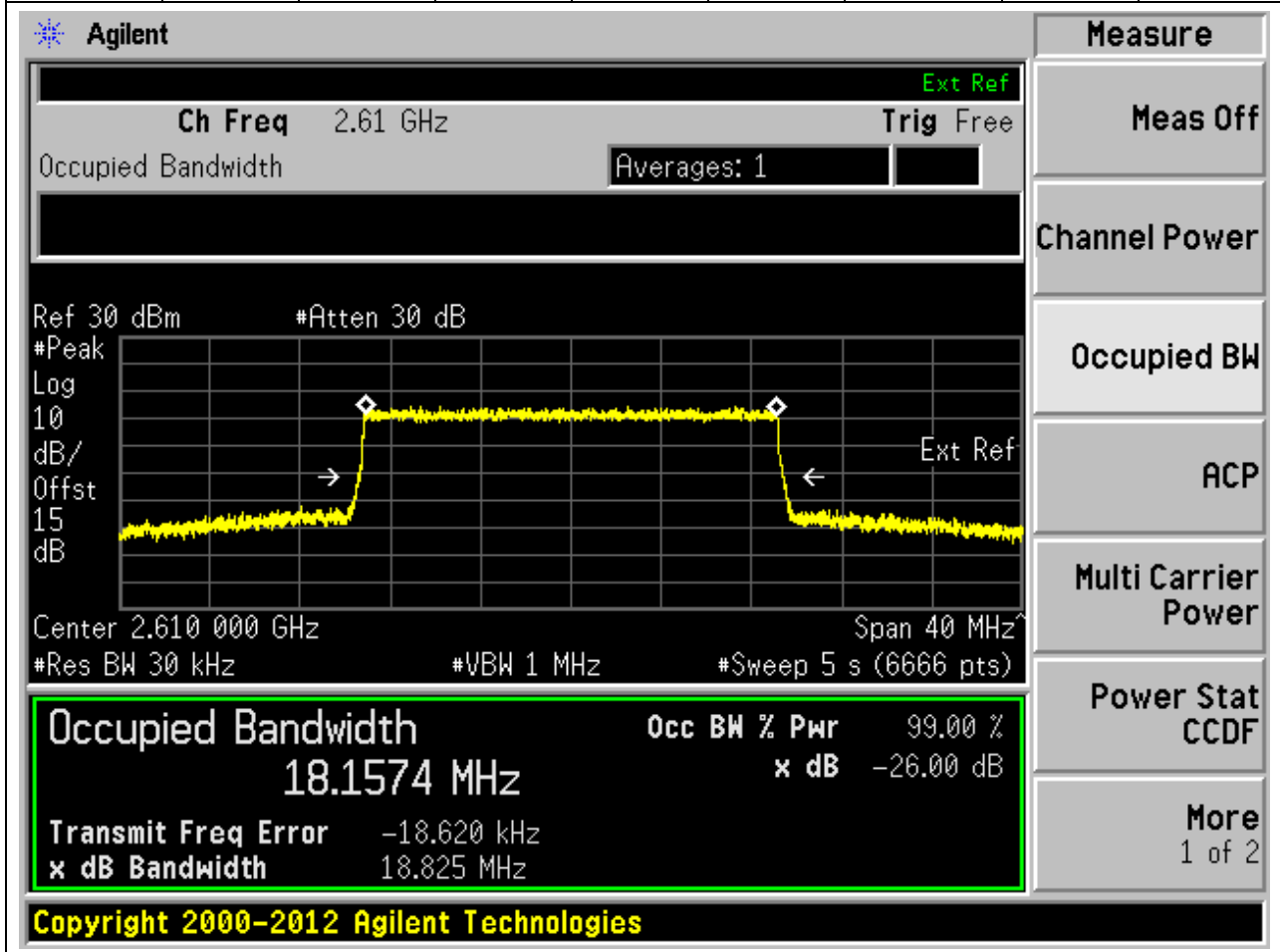
Occupied Bandwidth	Occ BW % Pwr	x dB
18.1609 MHz	99.00 %	-26.00 dB

Other parameters shown in the screenshot include: Ch Freq 2.595 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 15 dB, Center 2.595 000 GHz, Span 40 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 5 s (6666 pts), Transmit Freq Error -17.874 kHz, and x dB Bandwidth 18.820 MHz.



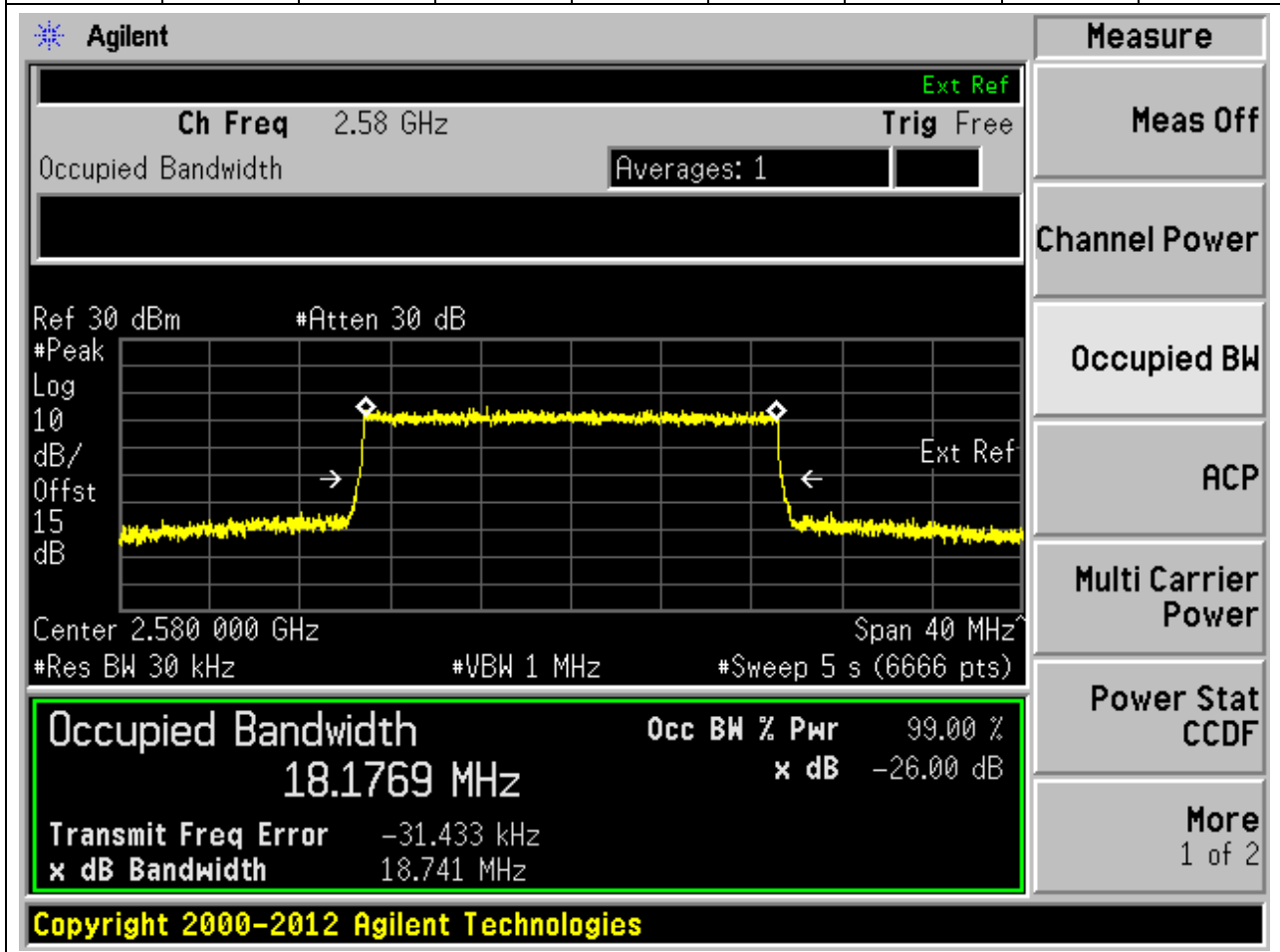
**2.30. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:522000, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:51, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2610	99	26	0.03	Peak	18.16	18.82	20	Pass



**2.31. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:516000, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:51, 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	0.03	Peak	18.18	18.74	20	Pass



**2.32. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:519000, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:51, 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	0.03	Peak	18.17	18.74	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow signal trace. The center frequency is 2.595 GHz, and the span is 40 MHz. The occupied bandwidth is highlighted in a green box at the bottom of the screen.

**Occupied Bandwidth Measurement Results:**

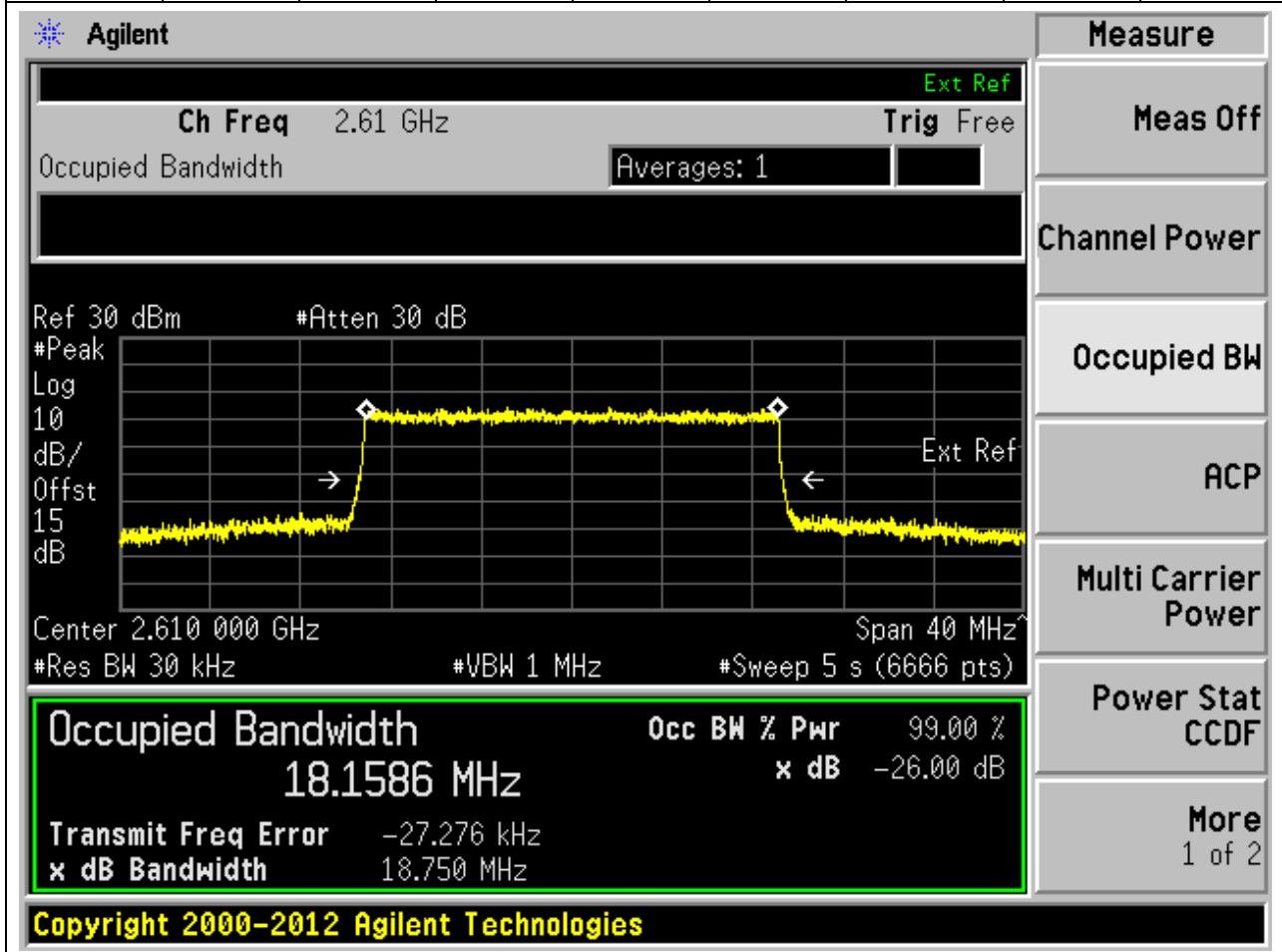
Occupied Bandwidth	18.1667 MHz	Occ BW % Pwr	99.00 %
Transmit Freq Error	-25.937 kHz	x dB	-26.00 dB
x dB Bandwidth	18.741 MHz		

Other parameters shown in the interface include: Ch Freq 2.595 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 15 dB, Center 2.595 000 GHz, Span 40 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 5 s (6666 pts).

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**2.33. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:522000, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:51, 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	0.03	Peak	18.16	18.75	20	Pass



**2.34. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:516000, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:51, 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	0.03	Peak	18.16	18.71	20	Pass

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

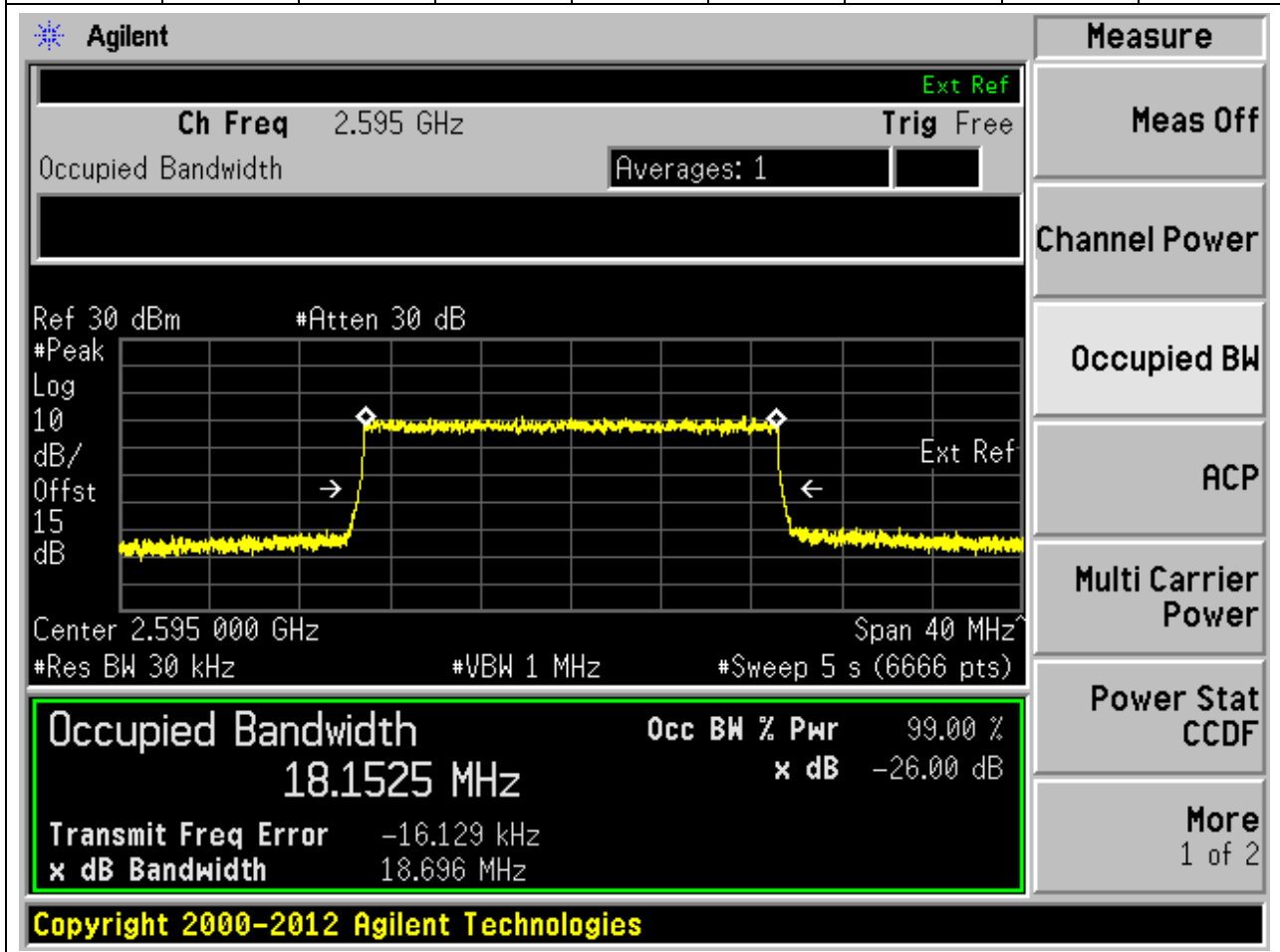
Measurement	Value
Occupied Bandwidth	18.1595 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-22.266 kHz
x dB Bandwidth	18.712 MHz

Additional parameters shown in the interface include: Ch Freq 2.58 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 15 dB, Center 2.580 000 GHz, Span 40 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 5 s (6666 pts).

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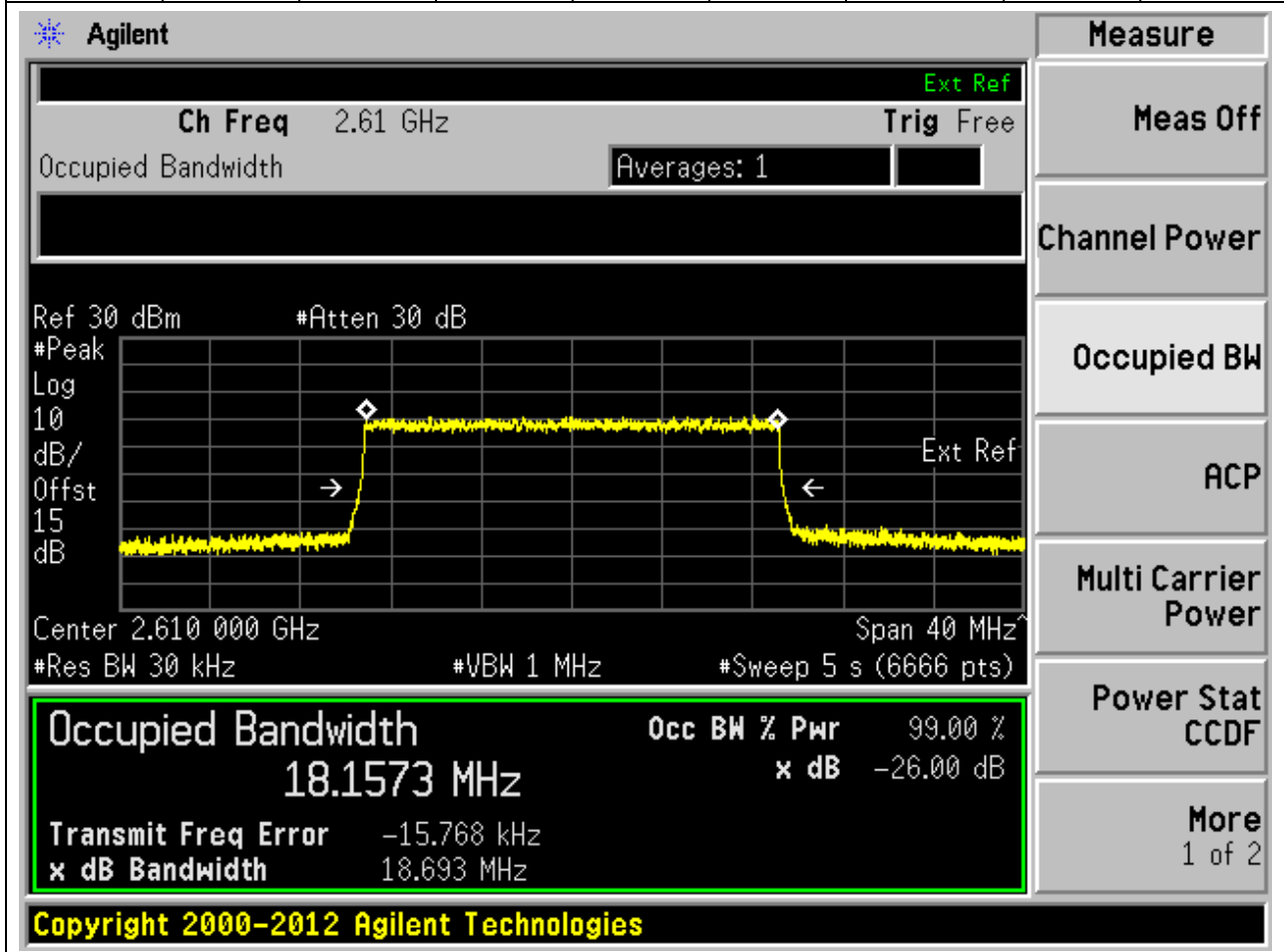
**2.35. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:519000, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:51, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2595	99	26	0.03	Peak	18.15	18.7	20	Pass



**2.36. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:522000, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:51, 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	0.03	Peak	18.16	18.69	20	Pass



**2.37. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:516500, Bandwidth:25, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:65, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2582.5	99	26	1	Peak	23.52	25.62	25	Pass

Agilent
Measure

Ch Freq 2.5825 GHz Trig Free

Occupied Bandwidth Averages: 1

Center 2.582 500 GHz Span 50 MHz

#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (401 pts)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**Occupied Bandwidth**

**23.5225 MHz**

Transmit Freq Error -35.003 kHz

x dB Bandwidth 25.621 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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**2.38. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:519000, Bandwidth:25, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:65, 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	1	Peak	23.52	25.63	25	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: Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 15 dB, Center 2.595 000 GHz, Span 50 MHz, #Res BW 1 MHz, #VBW 3 MHz, and #Sweep 5 s (401 pts). A green box highlights the measurement results:

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
<b>23.5163 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		-27.344 kHz
<b>x dB Bandwidth</b>		25.630 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).

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**2.39. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:521500, Bandwidth:25, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:65, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2607.5	99	26	1	Peak	23.5	25.62	25	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.6075 GHz, and the span is 50 MHz. The occupied bandwidth is measured as 23.5021 MHz. The power is 99.00% and the XdB bandwidth is -26.00 dB. The detector is set to Peak, and the RBW is 3 MHz. The sweep time is 5 s (401 pts). 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. The bottom of the screen displays the copyright information: Copyright 2000-2012 Agilent Technologies.

Occupied Bandwidth	Occ BW % Pwr	x dB
23.5021 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -26.202 kHz  
x dB Bandwidth: 25.625 MHz

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**2.40. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:516500, Bandwidth:25, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:65, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2582.5	99	26	1	Peak	23.72	25.65	25	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.5825 GHz, and the span is 50 MHz. The resolution bandwidth (RBW) is 1 MHz, and the video bandwidth (VBW) is 3 MHz. The sweep time is 5 seconds (401 points). The trace shows a signal with a peak level of approximately -26 dB. The occupied bandwidth is measured as 23.7216 MHz, which is 99.00% of the channel bandwidth. The XdB bandwidth is 25.653 MHz. The transmit frequency error is -81.766 kHz. 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'. A green box highlights the Occupied Bandwidth measurement results.

Occupied Bandwidth	Occ BW % Pwr	x dB
23.7216 MHz	99.00 %	-26.00 dB

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**2.41. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:519000, Bandwidth:25, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:65, 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	1	Peak	23.71	25.65	25	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.595 GHz, and the span is 50 MHz. The resolution bandwidth (RBW) is 1 MHz, and the video bandwidth (VBW) is 3 MHz. The sweep time is 5 seconds (401 points). The occupied bandwidth is measured as 23.7119 MHz, which is 99.00% of the channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -73.816 kHz. The XdB bandwidth is 25.650 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 notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
23.7119 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -73.816 kHz  
 x dB Bandwidth: 25.650 MHz

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**2.42. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:521500, Bandwidth:25, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:65, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2607.5	99	26	1	Peak	23.71	25.66	25	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	23.7089 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-80.497 kHz
x dB Bandwidth	25.663 MHz

Additional parameters shown in the interface include: Ch Freq 2.6075 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log 10 dB/Offst 15 dB, Center 2.607 500 GHz, Span 50 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (401 pts).

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**2.43. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:516500, Bandwidth:25, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:65, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2582.5	99	26	1	Peak	23.57	25.75	25	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The plot is set to a center frequency of 2.5825 GHz and a span of 50 MHz. The resolution bandwidth (RBW) is 1 MHz, and the video bandwidth (VBW) is 3 MHz. The sweep time is 5 seconds with 401 points. The plot shows a signal with a peak level of approximately -26 dB. The occupied bandwidth is measured as 23.5678 MHz, which is 99.00% of the channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -24.611 kHz. The XdB bandwidth is 25.752 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'.

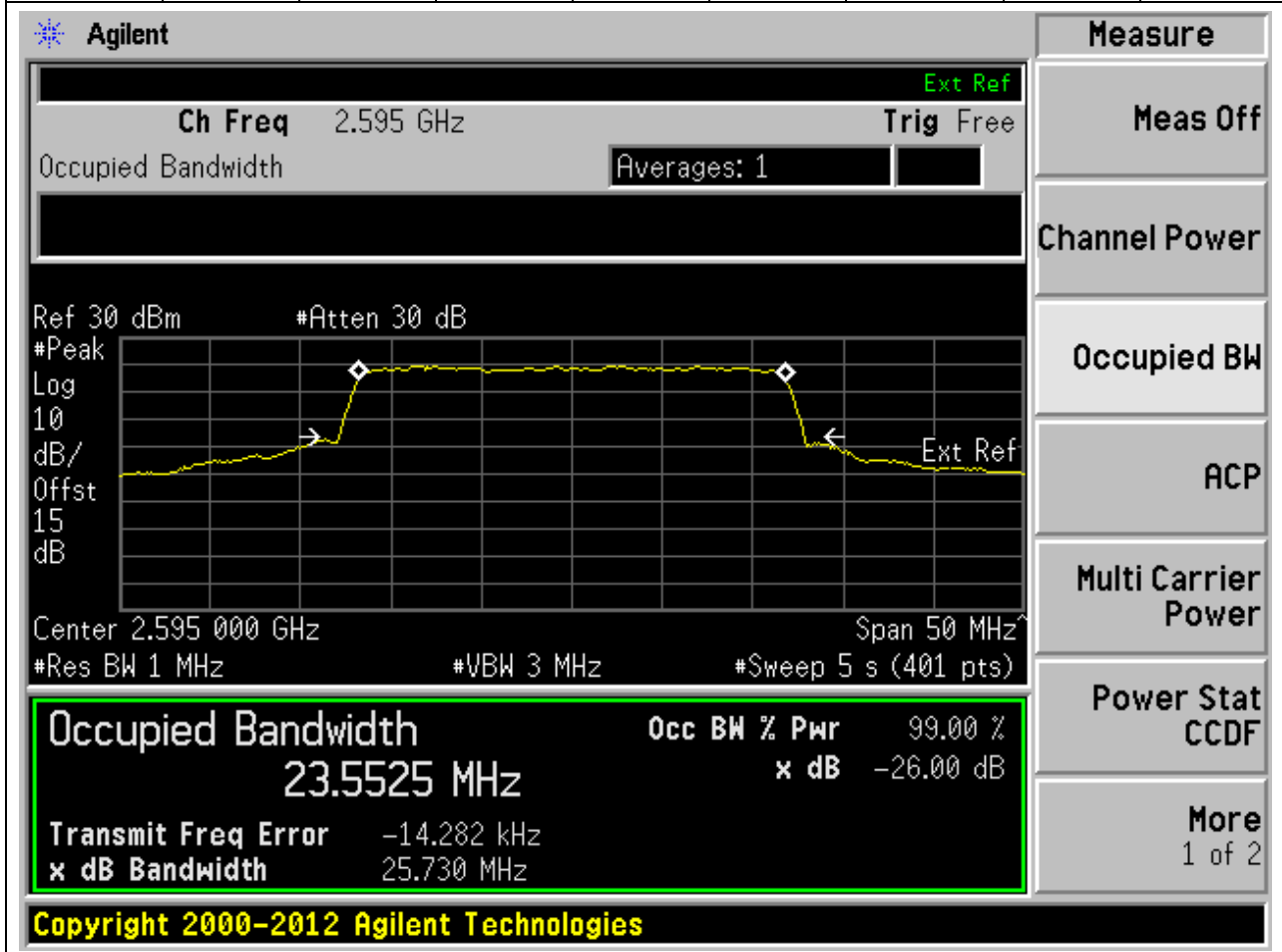
Occupied Bandwidth	Occ BW % Pwr	x dB
23.5678 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -24.611 kHz  
x dB Bandwidth: 25.752 MHz

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**2.44. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:519000, Bandwidth:25, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:65, 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	1	Peak	23.55	25.73	25	Pass



**2.45. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:521500, Bandwidth:25, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:65, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2607.5	99	26	1	Peak	23.53	25.74	25	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The plot is set to a center frequency of 2.6075 GHz and a span of 50 MHz. The resolution bandwidth (RBW) is 3 MHz, and the video bandwidth (VBW) is 3 MHz. The sweep time is 5 seconds with 401 points. The plot shows a signal with a peak level of approximately 0 dBm, with a 30 dB attenuation applied. The occupied bandwidth is measured as 23.5341 MHz, which is 99.00% of the 25 MHz channel bandwidth. The XdB bandwidth is 25.742 MHz, and the XdB down is -26.00 dB. The transmit frequency error is -13.554 kHz. 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
23.5341 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -13.554 kHz  
x dB Bandwidth: 25.742 MHz

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**2.46. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:516500, Bandwidth:25, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:65, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2582.5	99	26	1	Peak	23.52	25.73	25	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	23.5247 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-20.130 kHz
x dB Bandwidth	25.729 MHz

Additional parameters shown in the interface include: Ch Freq 2.5825 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 15 dB, Center 2.582 500 GHz, Span 50 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (401 pts). 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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**2.47. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:519000, Bandwidth:25, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:65, 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	1	Peak	23.53	25.75	25	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.595 GHz, and the span is 50 MHz. The occupied bandwidth is measured as 23.5327 MHz. The power is 99.00% and the XdB bandwidth is -26.00 dB. The detector is set to Peak. The upper limit is 25 MHz. The verdict is Pass.

Occupied Bandwidth	Occ BW % Pwr	x dB
23.5327 MHz	99.00 %	-26.00 dB

Other parameters shown in the screenshot include: Ch Freq 2.595 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 15 dB, Center 2.595 000 GHz, Span 50 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (401 pts), Transmit Freq Error -12.619 kHz, x dB Bandwidth 25.745 MHz.

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**2.48. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:521500, Bandwidth:25, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:65, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2607.5	99	26	1	Peak	23.52	25.76	25	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The plot is titled 'Occupied Bandwidth' and shows a signal centered at 2.6075 GHz. The plot parameters are: Center 2.607 500 GHz, Span 50 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (401 pts). The plot shows a signal with a peak level of approximately 0 dBm and a bandwidth of 23.5228 MHz. The plot also shows the 'Ext Ref' level at -26.00 dB. The plot is titled 'Occupied Bandwidth' and shows a signal centered at 2.6075 GHz. The plot parameters are: Center 2.607 500 GHz, Span 50 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (401 pts). The plot shows a signal with a peak level of approximately 0 dBm and a bandwidth of 23.5228 MHz. The plot also shows the 'Ext Ref' level at -26.00 dB.

Occupied Bandwidth	Occ BW % Pwr	x dB
23.5228 MHz	99.00 %	-26.00 dB

Other parameters shown in the screenshot include: Ch Freq 2.6075 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 15 dB, Transmit Freq Error -11.784 kHz, x dB Bandwidth 25.758 MHz.

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**2.49. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:517000, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:78, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2585	99	26	1	Peak	28.17	30.46	30	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	28.1701 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-22.572 kHz
x dB Bandwidth	30.462 MHz

Additional parameters shown in the interface include: Ch Freq 2.585 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log 10 dB/Offst 15 dB, Center 2.585 00 GHz, Span 60 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (401 pts).

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**2.50. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:519000, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:78, 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	1	Peak	28.17	30.55	30	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.595 GHz, and the span is 60 MHz. The occupied bandwidth is measured as 28.1730 MHz. The power is 99.00% and the XdB bandwidth is 30.552 MHz. The XdB down is -26.00 dB. The transmit frequency error is -5.826 kHz. The resolution bandwidth (RBW) is 1 MHz, and the video bandwidth (VBW) is 3 MHz. The sweep time is 5 seconds (401 points). 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
28.1730 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -5.826 kHz  
x dB Bandwidth: 30.552 MHz

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**2.51. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:521000, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:78, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2605	99	26	1	Peak	28.18	30.61	30	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.605 GHz, and the span is 60 MHz. The resolution bandwidth (RBW) is 1 MHz, and the video bandwidth (VBW) is 3 MHz. The sweep time is 5 seconds (401 points). The occupied bandwidth is measured as 28.1789 MHz, which is 99.00% of the 30 MHz channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -11.915 kHz, and the XdB bandwidth is 30.609 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 notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
28.1789 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -11.915 kHz  
 x dB Bandwidth: 30.609 MHz

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**2.52. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:517000, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:78, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2585	99	26	1	Peak	28.23	30.52	30	Pass

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

Ch Freq 2.585 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

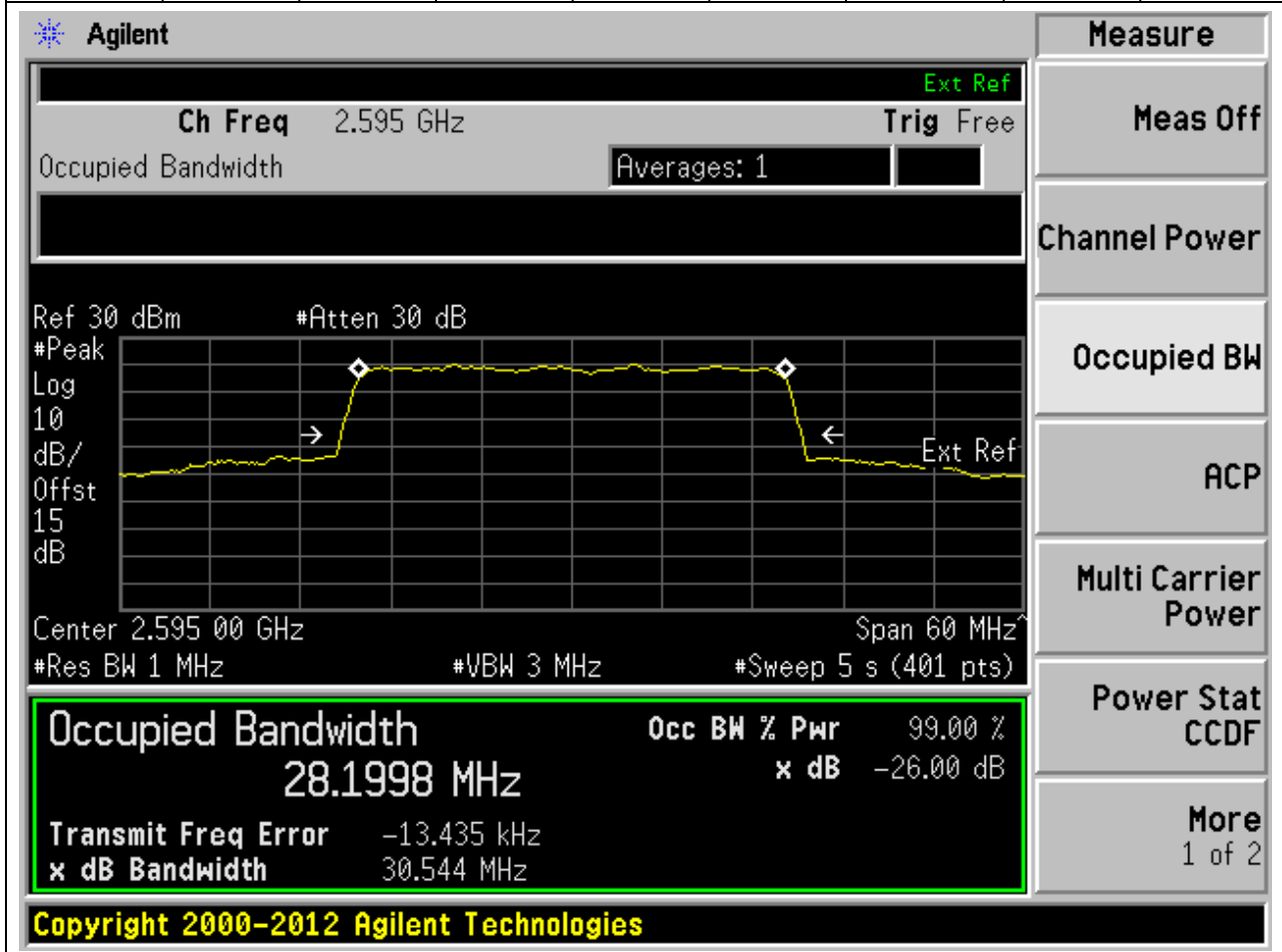
Center 2.585 00 GHz Span 60 MHz  
 #Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (401 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
28.2278 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b>	-28.909 kHz
<b>x dB Bandwidth</b>	30.523 MHz

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**2.53. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:519000, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:78, 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	1	Peak	28.2	30.54	30	Pass





**2.54. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:521000, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:78, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2605	99	26	1	Peak	28.19	30.52	30	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.605 GHz, and the span is 60 MHz. The occupied bandwidth is highlighted in a green box, showing 28.1882 MHz. The power is 99.00% and the XdB bandwidth is -26.00 dB. The interface also shows various measurement parameters like Res BW, VBW, and Sweep time.

Occupied Bandwidth		Occ BW % Pwr	99.00 %
28.1882 MHz		x dB	-26.00 dB
Transmit Freq Error		-16.177 kHz	
x dB Bandwidth		30.521 MHz	

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**2.55. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:517000, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:78, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2585	99	26	1	Peak	28.18	30.43	30	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The center frequency is 2.585 GHz, and the span is 60 MHz. The occupied bandwidth is measured as 28.1759 MHz, which is 99.00% of the 30 MHz channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -10.676 kHz, and the x dB bandwidth is 30.427 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
28.1759 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -10.676 kHz  
x dB Bandwidth: 30.427 MHz

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**2.56. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:519000, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:78, 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	1	Peak	28.17	30.49	30	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.595 GHz, and the span is 60 MHz. The occupied bandwidth is measured as 28.1735 MHz. The power is 99.00% and the XdB bandwidth is -26.00 dB. The detector is set to Peak, and the RBW is 3 MHz. The upper limit is 30 MHz. The verdict is Pass.

Occupied Bandwidth	Occ BW % Pwr	x dB
28.1735 MHz	99.00 %	-26.00 dB

Other parameters shown in the screenshot include: Ch Freq 2.595 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log 10 dB/Offst 15 dB, Center 2.595 00 GHz, Span 60 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (401 pts), Transmit Freq Error -3.414 kHz, x dB Bandwidth 30.487 MHz.

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**2.57. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:521000, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:78, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2605	99	26	1	Peak	28.16	30.45	30	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	28.1627 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-1.865 kHz
x dB Bandwidth	30.448 MHz

Additional parameters shown in the interface include: Ch Freq 2.605 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log 10 dB/Offst 15 dB, Center 2.605 00 GHz, Span 60 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (401 pts).

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**2.58. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:517000, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:78, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2585	99	26	1	Peak	28.17	30.64	30	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.585 GHz, and the span is 60 MHz. The occupied bandwidth is measured as 28.1740 MHz. The power is 99.00% and the XdB bandwidth is 30.640 MHz. The XdB down is -26.00 dB. The transmit frequency error is -20.875 kHz. The interface also shows various settings like Res BW (1 MHz), VBW (3 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
28.1740 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -20.875 kHz  
x dB Bandwidth: 30.640 MHz

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**2.59. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:519000, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:78, 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	1	Peak	28.16	30.53	30	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.595 GHz, and the span is 60 MHz. The occupied bandwidth is measured as 28.1621 MHz. The power is 99.00% and the XdB bandwidth is -26.00 dB. 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
28.1621 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -16.509 kHz  
 x dB Bandwidth: 30.533 MHz

**2.60. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:521000, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:78, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2605	99	26	1	Peak	28.16	30.51	30	Pass

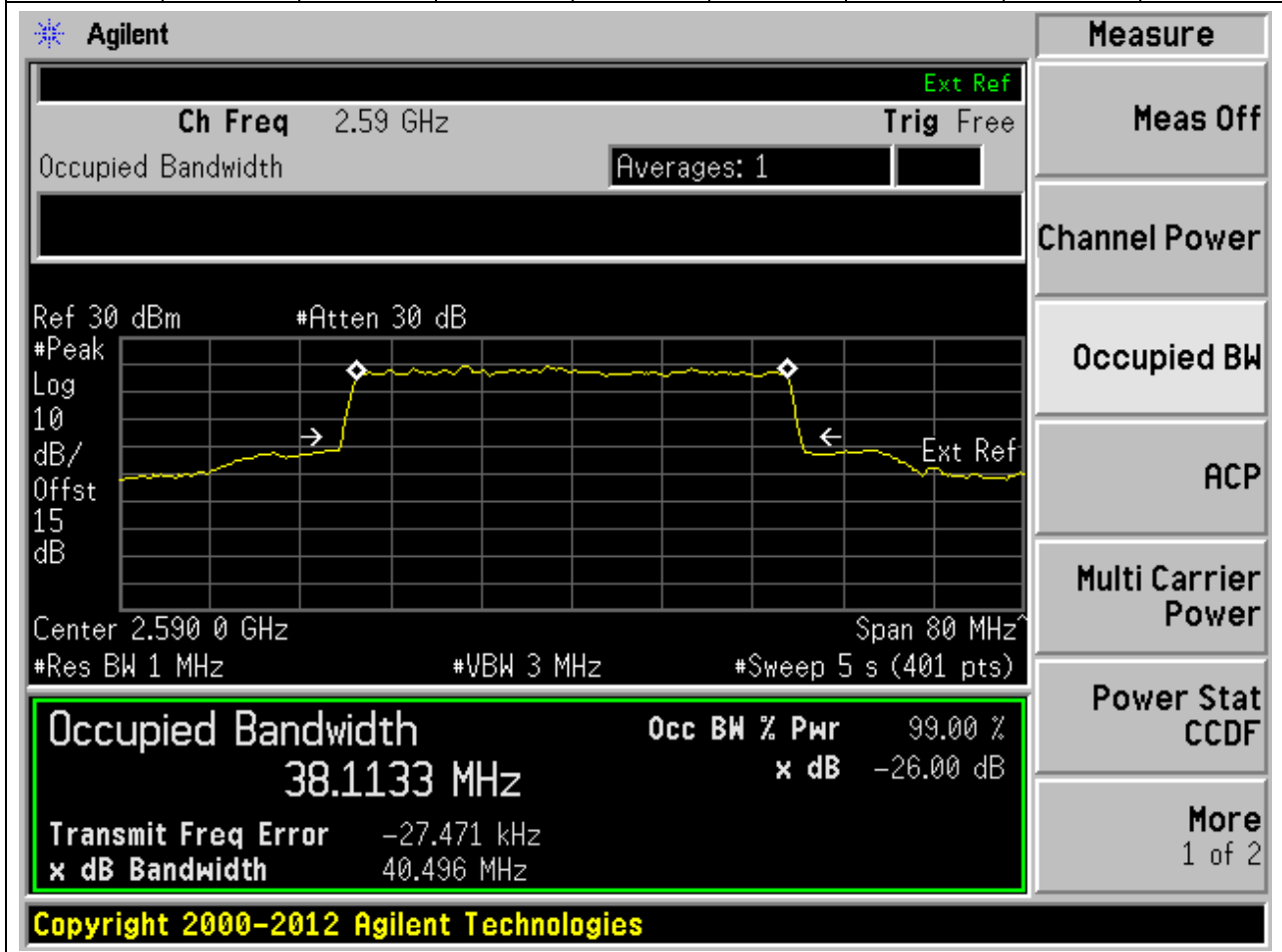
The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.605 GHz, and the span is 60 MHz. The occupied bandwidth is highlighted in a green box at the bottom of the screen.

Occupied Bandwidth	Occ BW % Pwr	x dB
28.1555 MHz	99.00 %	-26.00 dB

Other parameters shown in the screenshot include: Ch Freq 2.605 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 15 dB, Center 2.605 00 GHz, Span 60 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (401 pts), Transmit Freq Error -21.904 kHz, and x dB Bandwidth 30.512 MHz.

**2.61. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:518000, Bandwidth:40, SCS:30, 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
2590	99	26	1	Peak	38.11	40.5	40	Pass





**2.62. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:519000, Bandwidth:40, SCS:30, 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
2595	99	26	1	Peak	38.11	40.5	40	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:

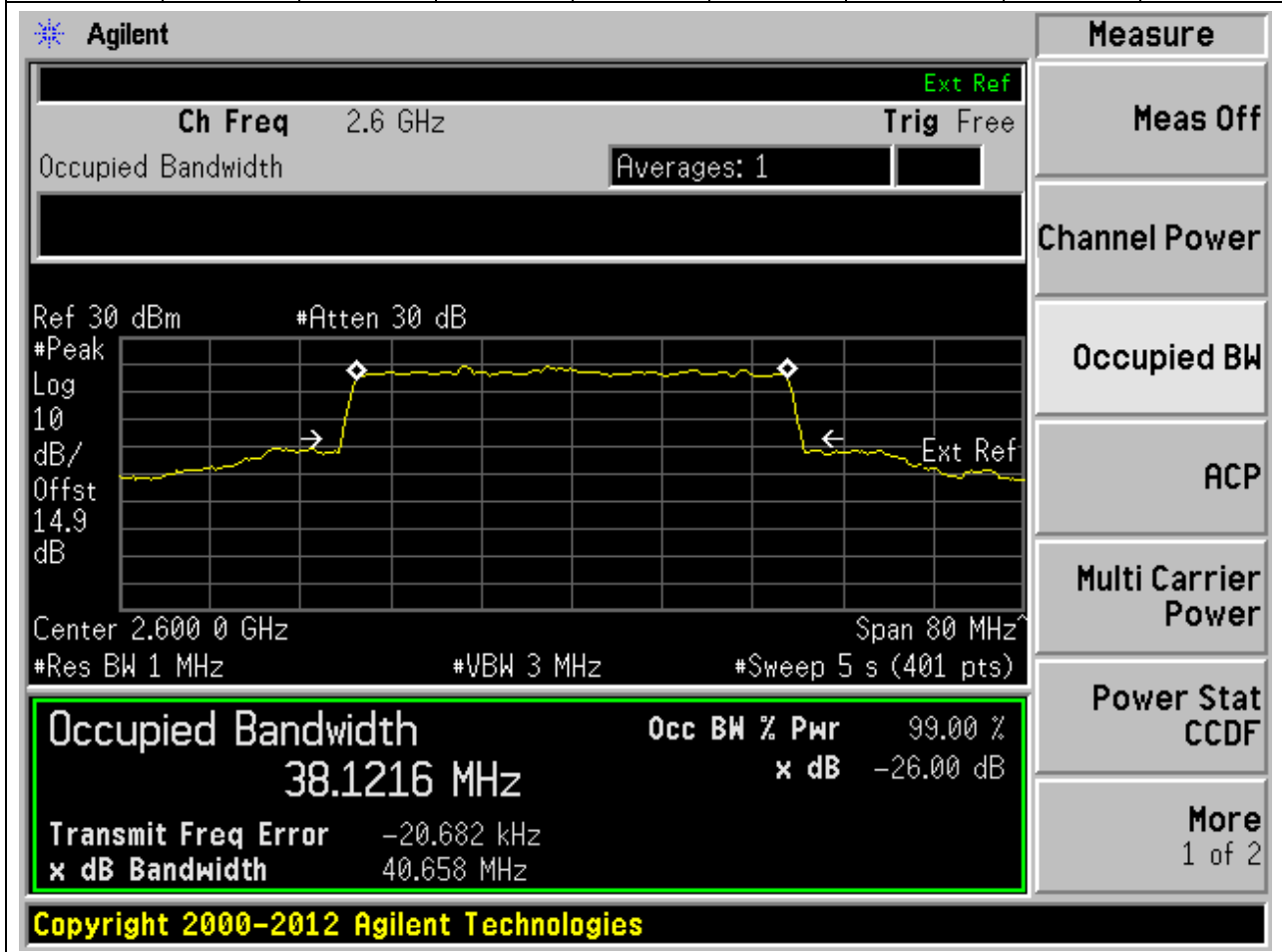
Measurement	Value
Occupied Bandwidth	38.1106 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-18.950 kHz
x dB Bandwidth	40.496 MHz

Additional parameters shown in the interface include: Ch Freq 2.595 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log 10 dB/Offst 15 dB, Center 2.595 0 GHz, Span 80 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (401 pts).

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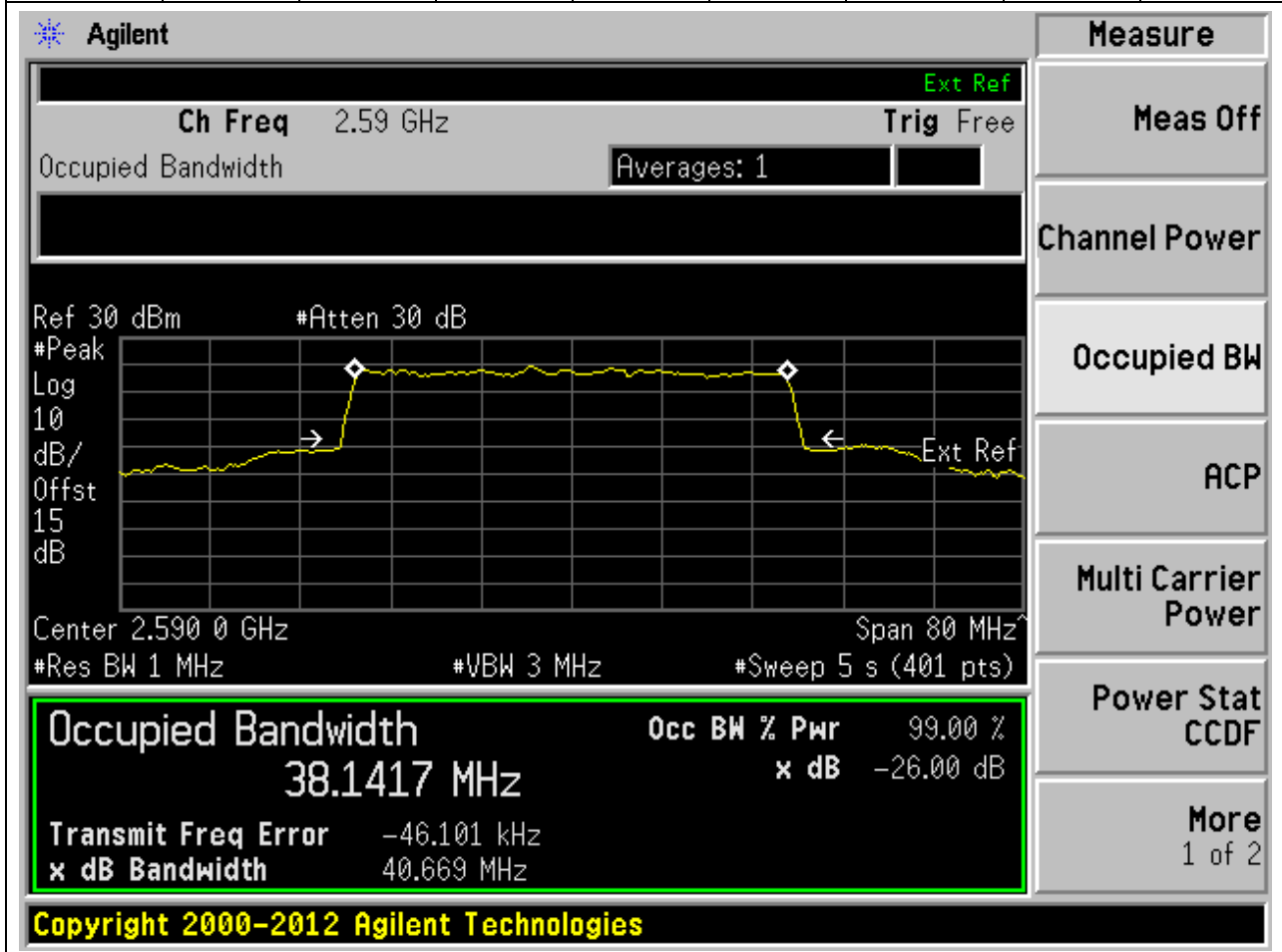
**2.63. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:520000, Bandwidth:40, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:106, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2600	99	26	1	Peak	38.12	40.66	40	Pass



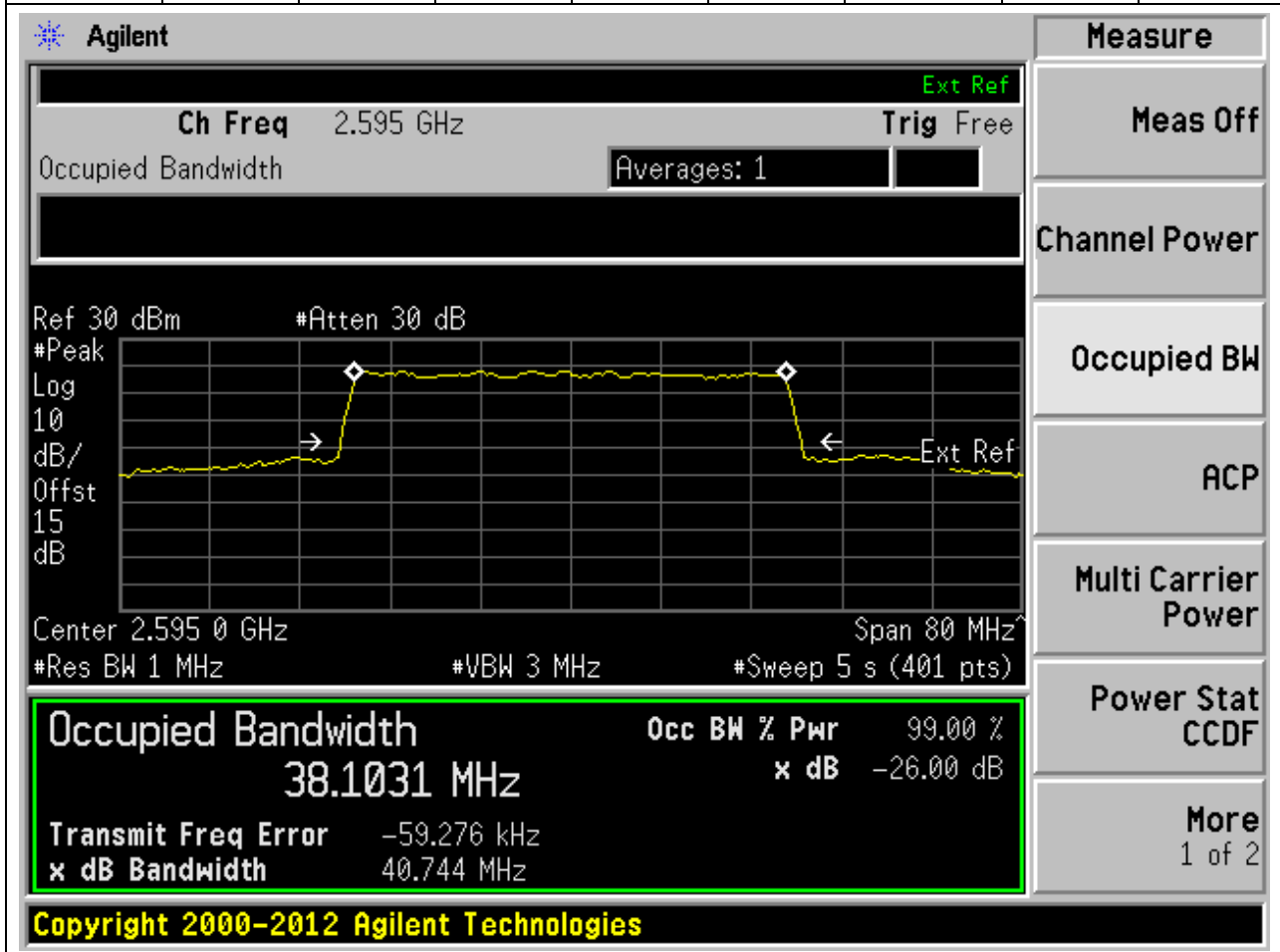
**2.64. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:518000, Bandwidth:40, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:106, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2590	99	26	1	Peak	38.14	40.67	40	Pass



**2.65. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:519000, Bandwidth:40, SCS:30, 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
2595	99	26	1	Peak	38.1	40.74	40	Pass



**2.66. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:520000, Bandwidth:40, SCS:30, 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
2600	99	26	1	Peak	38.11	40.74	40	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The center frequency is 2.6 GHz, and the span is 80 MHz. The occupied bandwidth is measured as 38.1130 MHz. The power is 99.00% and the XdB bandwidth is -26.00 dB. The transmit frequency error is -53.754 kHz, and the XdB bandwidth is 40.739 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'.

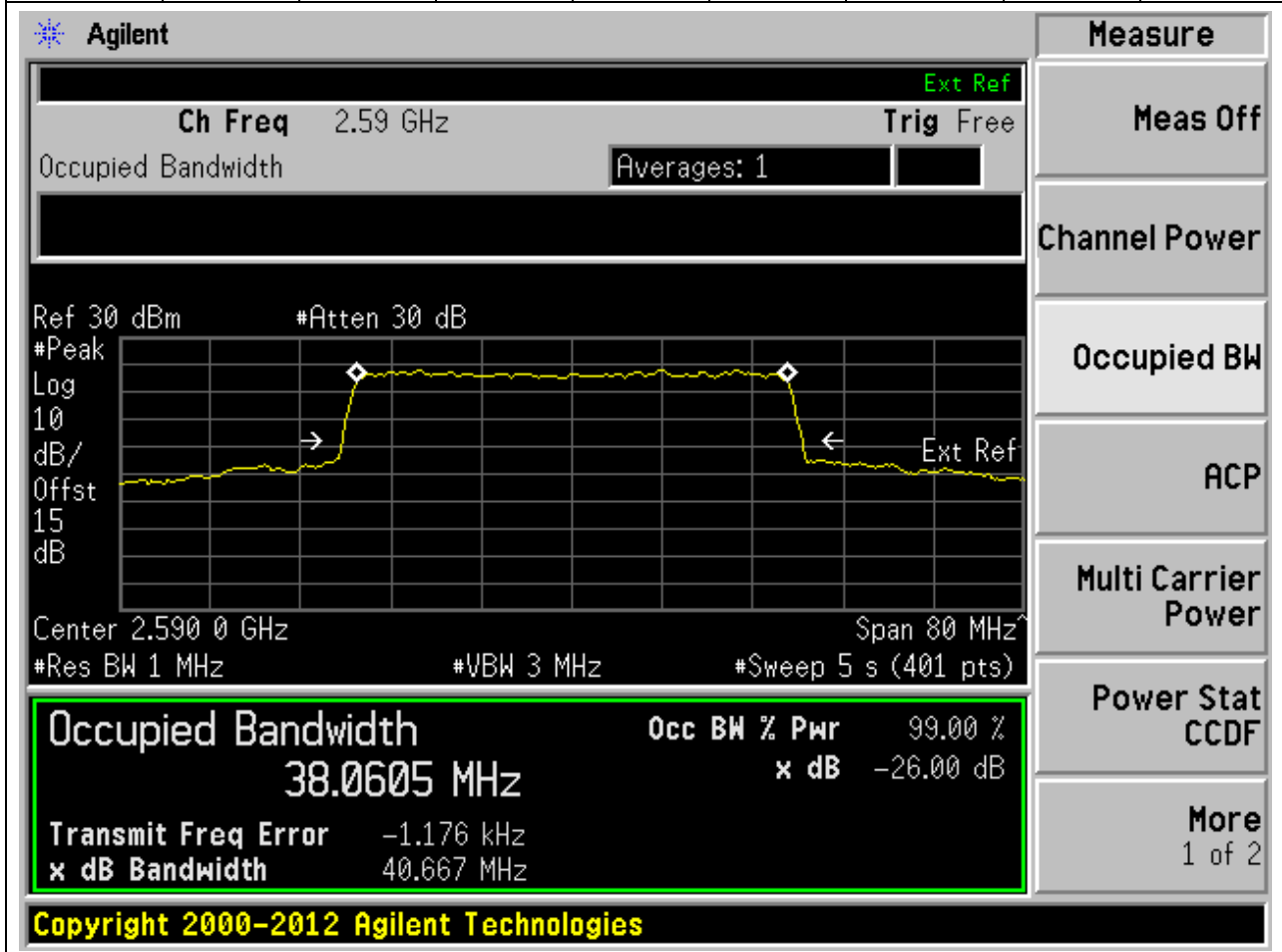
Occupied Bandwidth	Occ BW % Pwr	x dB
38.1130 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -53.754 kHz  
 x dB Bandwidth: 40.739 MHz

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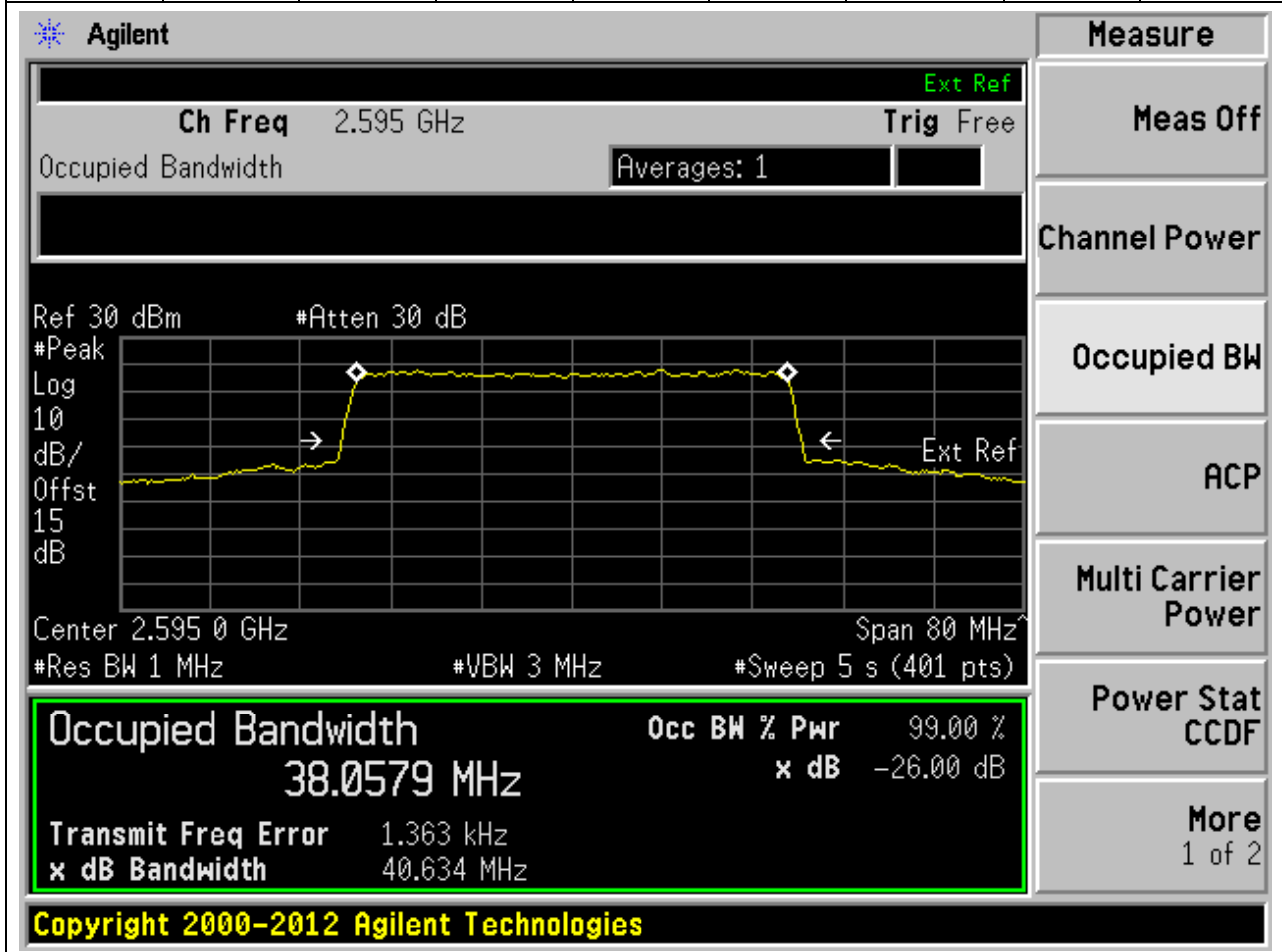
**2.67. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:518000, Bandwidth:40, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:106, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2590	99	26	1	Peak	38.06	40.67	40	Pass



**2.68. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:519000, Bandwidth:40, SCS:30, 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
2595	99	26	1	Peak	38.06	40.63	40	Pass



**2.69. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:520000, Bandwidth:40, SCS:30, 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
2600	99	26	1	Peak	38.06	40.6	40	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 at the bottom of the screen:

Measurement	Value
Occupied Bandwidth	38.0628 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	2.498 kHz
x dB Bandwidth	40.597 MHz

Additional parameters shown in the interface include: Ch Freq 2.6 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log 10 dB/Offst 14.9 dB, Center 2.600 0 GHz, Span 80 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (401 pts).



**2.70. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:518000, Bandwidth:40, SCS:30, 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
2590	99	26	1	Peak	37.96	40.67	40	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.59 GHz, and the span is 80 MHz. The occupied bandwidth is measured as 37.9639 MHz. The power is 99.00% and the XdB bandwidth is -26.00 dB. The interface includes a 'Measure' panel on the right with buttons for '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
37.9639 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -20.284 kHz  
x dB Bandwidth: 40.672 MHz

**2.71. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:519000, Bandwidth:40, SCS:30, 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
2595	99	26	1	Peak	37.95	40.5	40	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.595 GHz, and the span is 80 MHz. The occupied bandwidth is measured as 37.9454 MHz. The power is 99.00% and the XdB bandwidth is -26.00 dB. The transmit frequency error is -23.177 kHz. The XdB bandwidth is 40.499 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
37.9454 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -23.177 kHz  
x dB Bandwidth: 40.499 MHz

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**2.72. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:520000, Bandwidth:40, SCS:30, 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
2600	99	26	1	Peak	37.95	40.71	40	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	37.9491 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-18.870 kHz
x dB Bandwidth	40.707 MHz

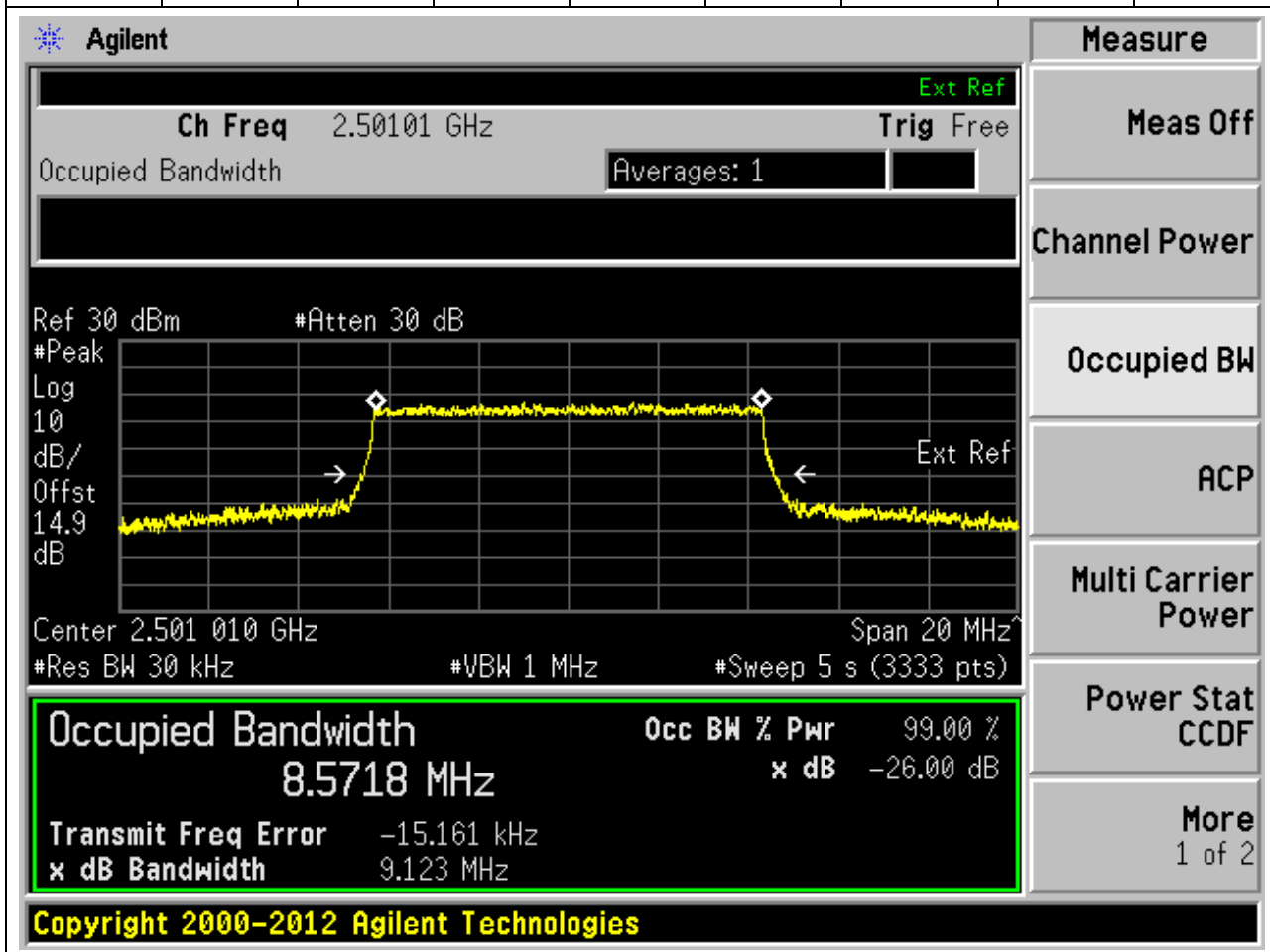
Additional parameters shown in the interface include: Ch Freq 2.6 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 14.9 dB, Center 2.600 0 GHz, Span 80 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (401 pts). The 'Measure' menu on the right includes options like Meas Off, Channel Power, Occupied BW, ACP, Multi Carrier Power, Power Stat CCDF, and More (1 of 2).

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### 3. n41

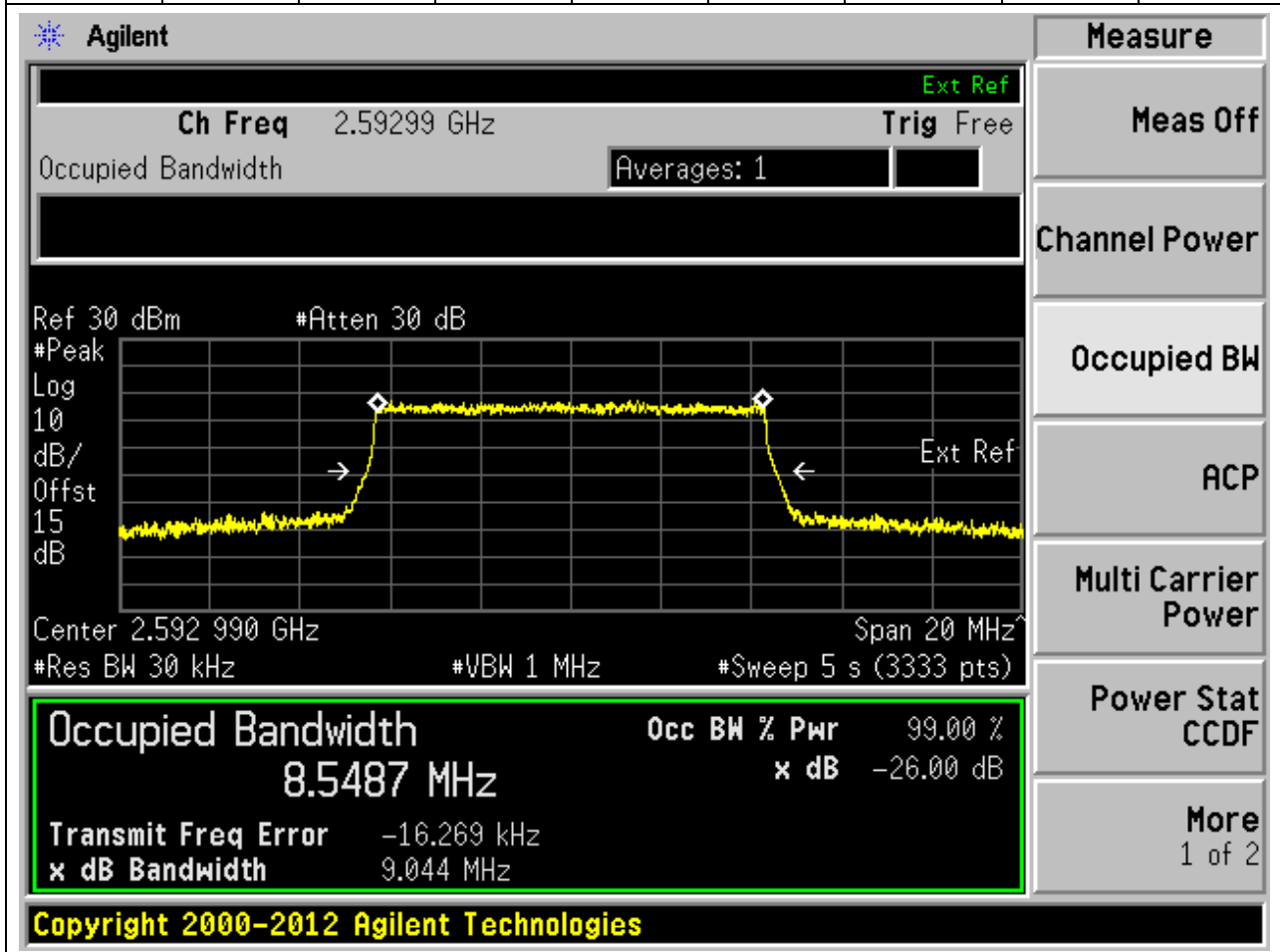
3.1. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:500202, Bandwidth:10, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:24, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2501.01	99	26	0.03	Peak	8.57	9.12	10	Pass



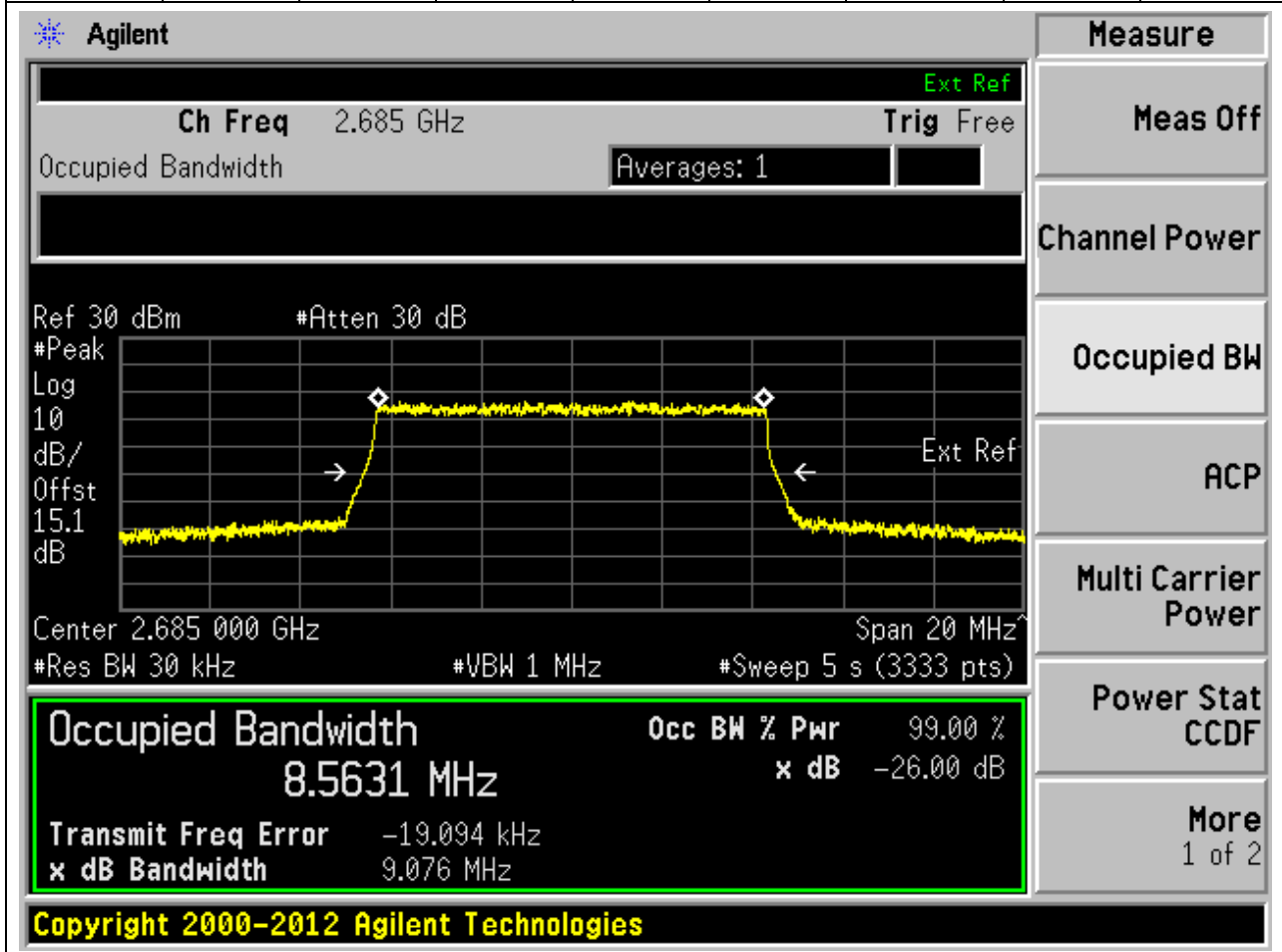
**3.2. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:518598, Bandwidth:10, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:24, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2592.99	99	26	0.03	Peak	8.55	9.04	10	Pass



**3.3. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:537000, Bandwidth:10, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:24, 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	0.03	Peak	8.56	9.08	10	Pass



**3.4. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:500202, Bandwidth:10, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:24, RB Position:0)**

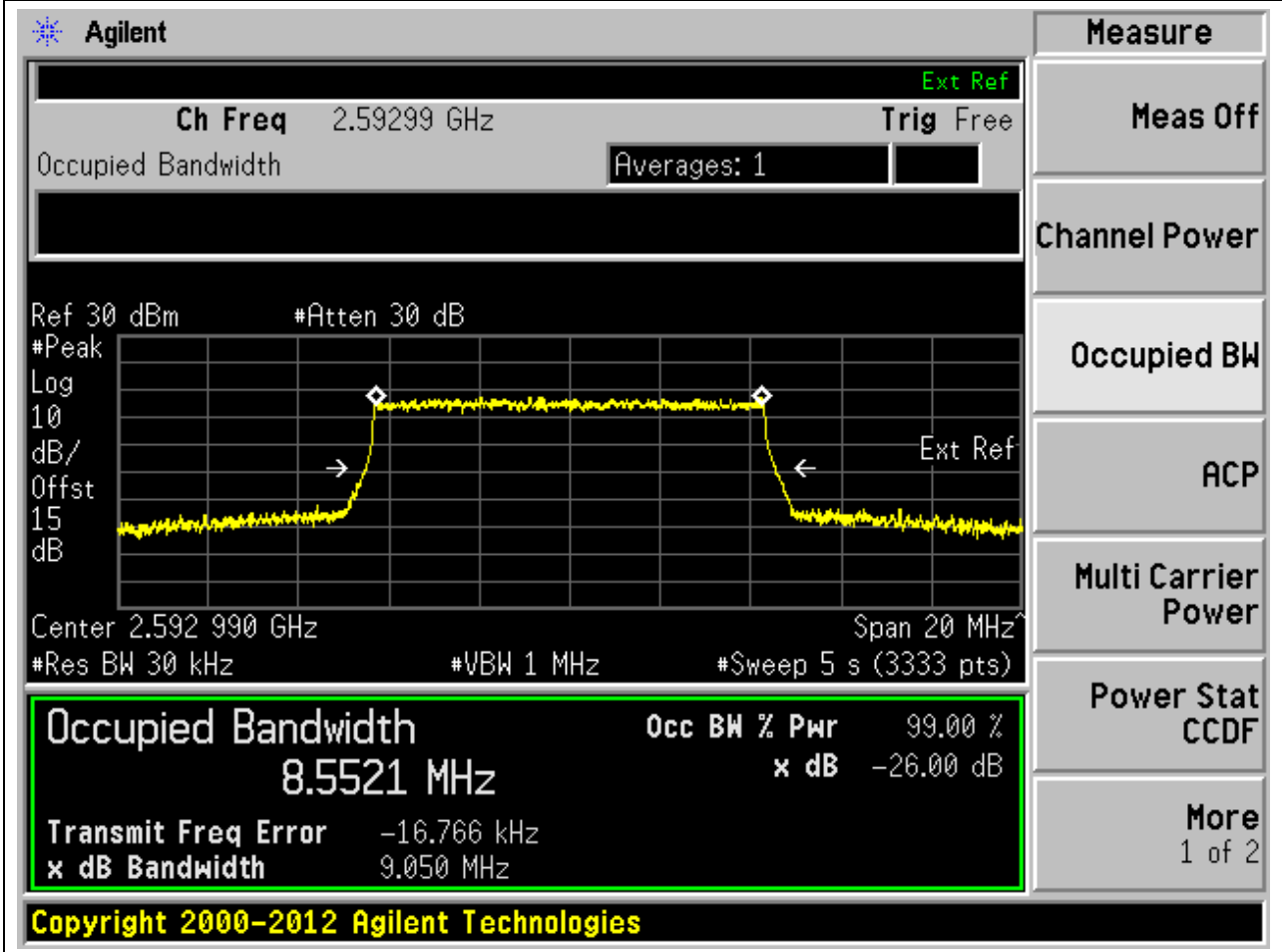
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2501.01	99	26	0.03	Peak	8.57	9.13	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.50101 GHz, and the span is 20 MHz. The occupied bandwidth is measured as 8.5658 MHz. The power is 99.00% and the XdB bandwidth is -26.00 dB. The interface includes various measurement buttons on the right side, such as 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
8.5658 MHz	99.00 %	-26.00 dB

**3.5. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:518598, Bandwidth:10, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:24, RB Position:0)**

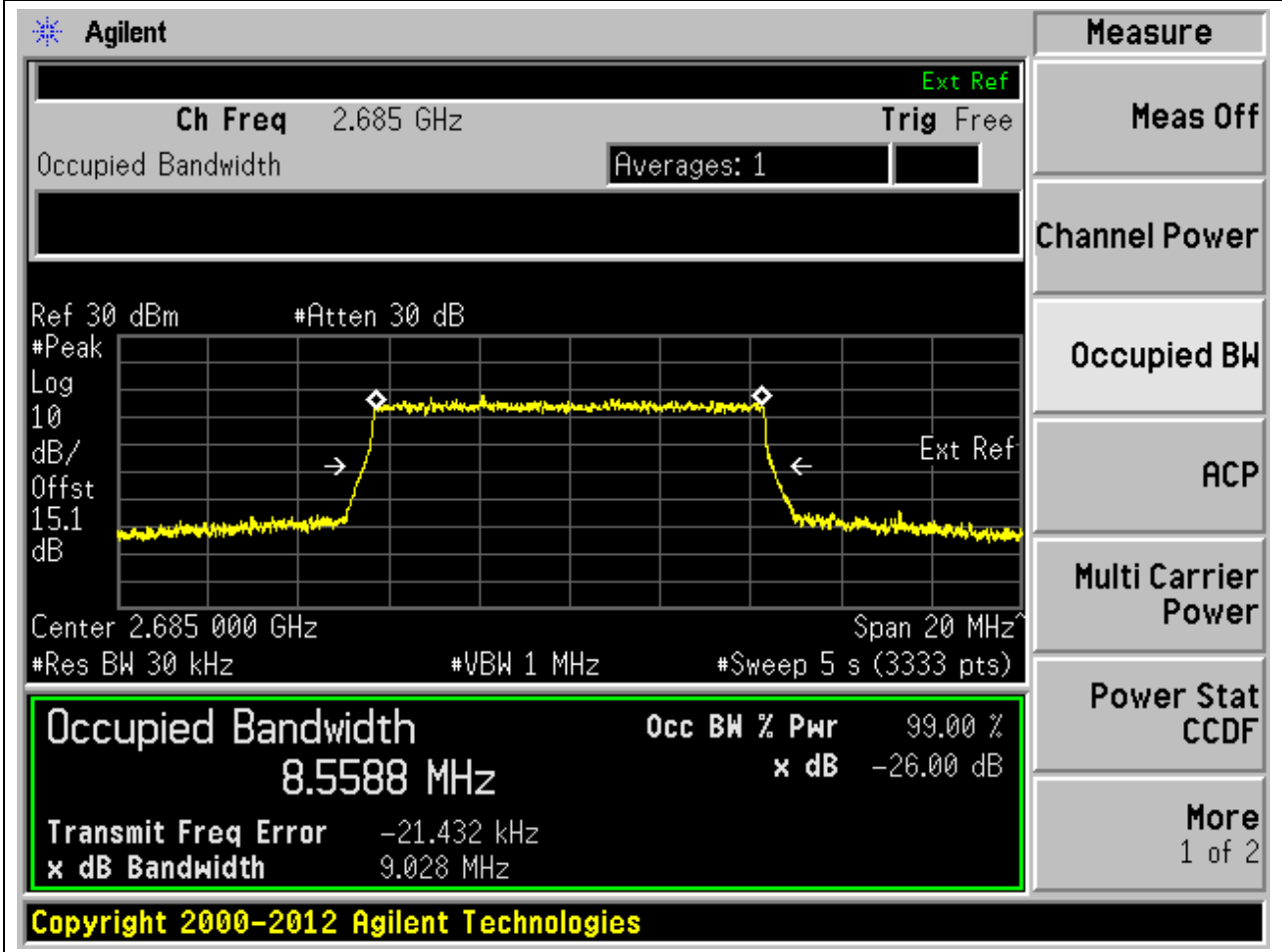
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2592.99	99	26	0.03	Peak	8.55	9.05	10	Pass





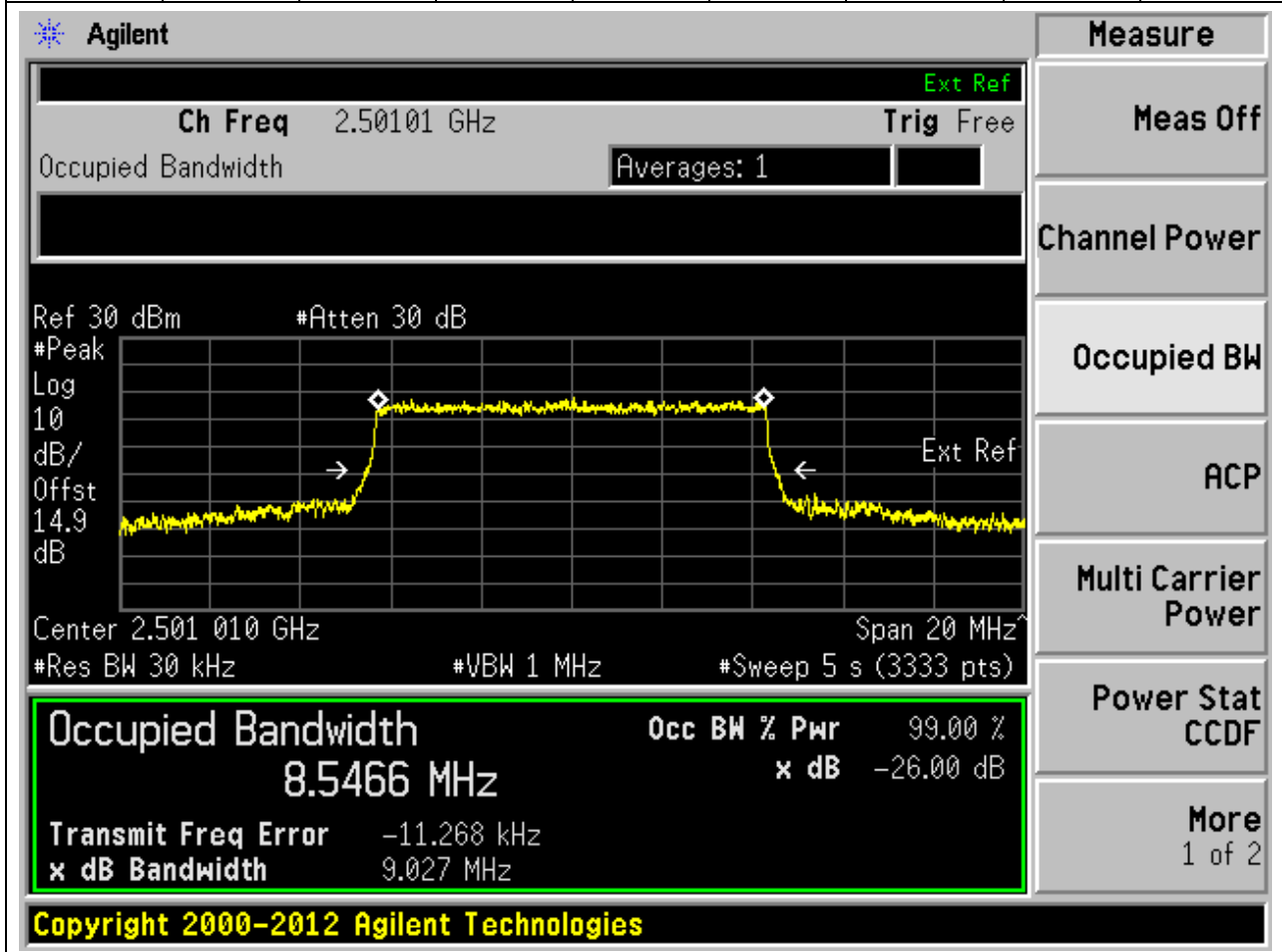
**3.6. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:537000, Bandwidth:10, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:24, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2685	99	26	0.03	Peak	8.56	9.03	10	Pass



**3.7. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:500202, Bandwidth:10, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:24, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2501.01	99	26	0.03	Peak	8.55	9.03	10	Pass



**3.8. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:518598, Bandwidth:10, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:24, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2592.99	99	26	0.03	Peak	8.55	9.01	10	Pass

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

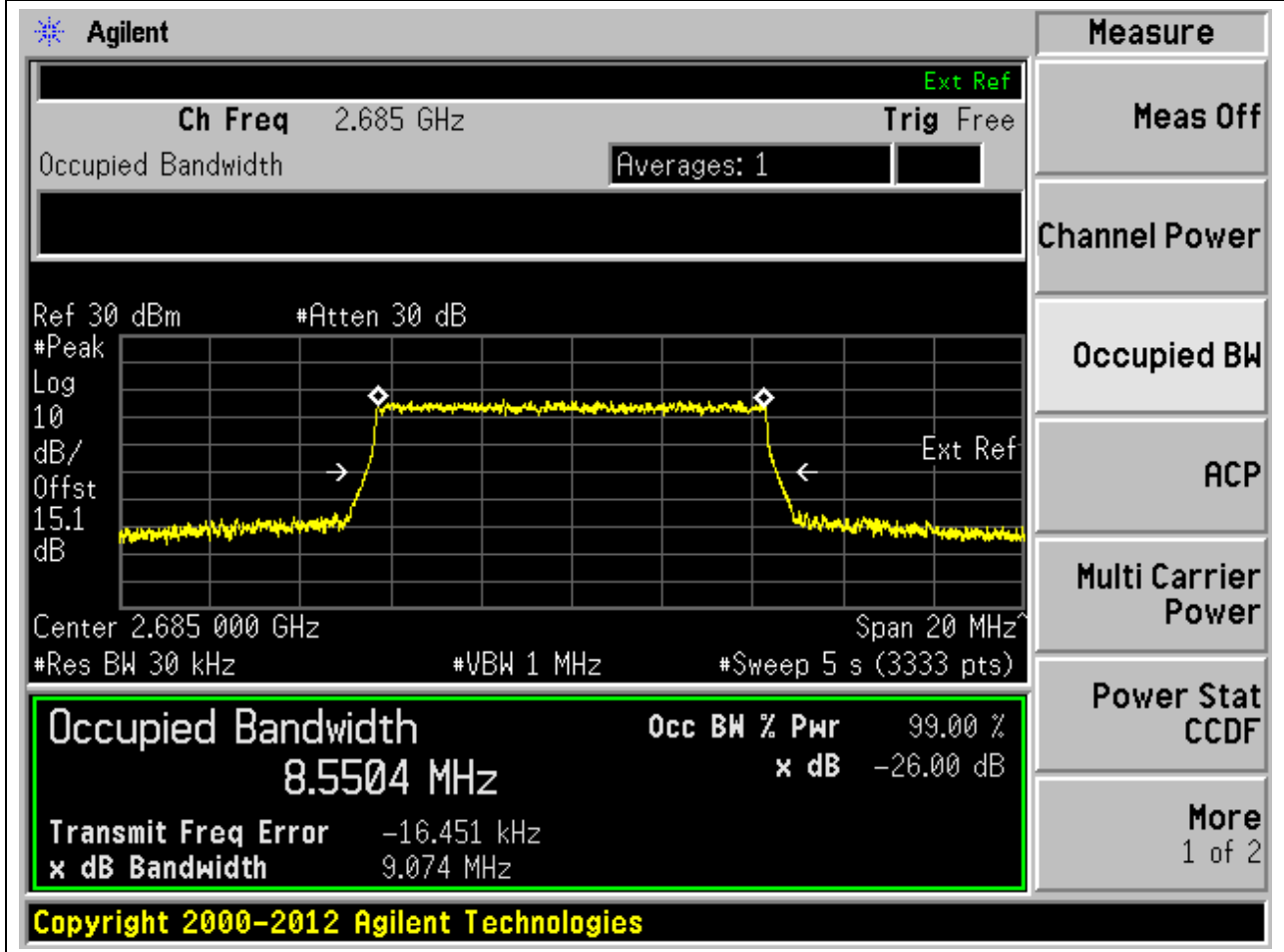
Measurement	Value
Occupied Bandwidth	8.5546 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-17.735 kHz
x dB Bandwidth	9.011 MHz

Additional parameters shown in the interface include: Ch Freq 2.59299 GHz, Res BW 30 kHz, VBW 1 MHz, Sweep 5 s (3333 pts), and Span 20 MHz. The 'Measure' menu on the right includes options like Meas Off, Channel Power, Occupied BW, ACP, Multi Carrier Power, Power Stat CCDF, and More (1 of 2).

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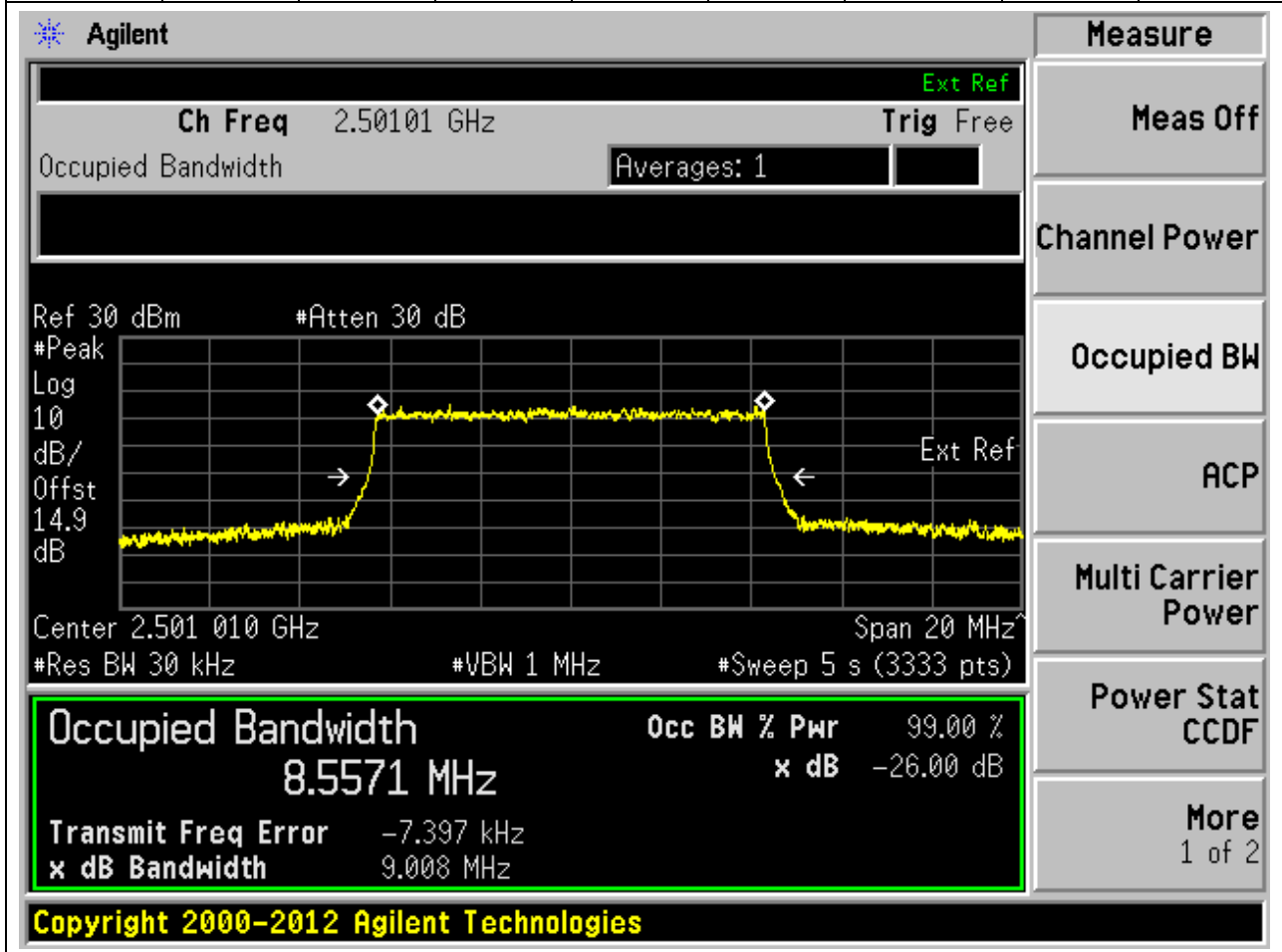
**3.9. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:537000, Bandwidth:10, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:24, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2685	99	26	0.03	Peak	8.55	9.07	10	Pass



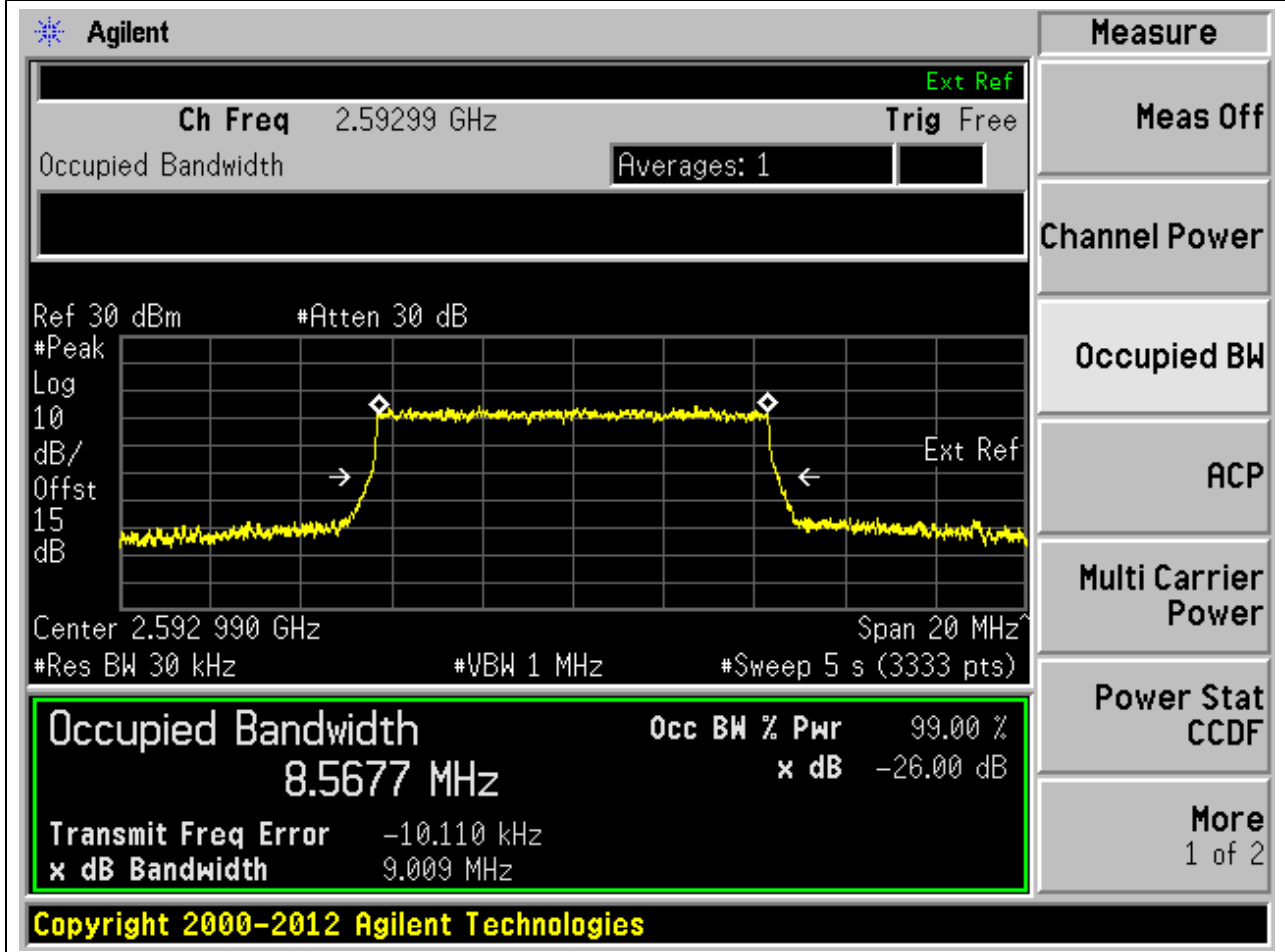
**3.10. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:500202, Bandwidth:10, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:24, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2501.01	99	26	0.03	Peak	8.56	9.01	10	Pass



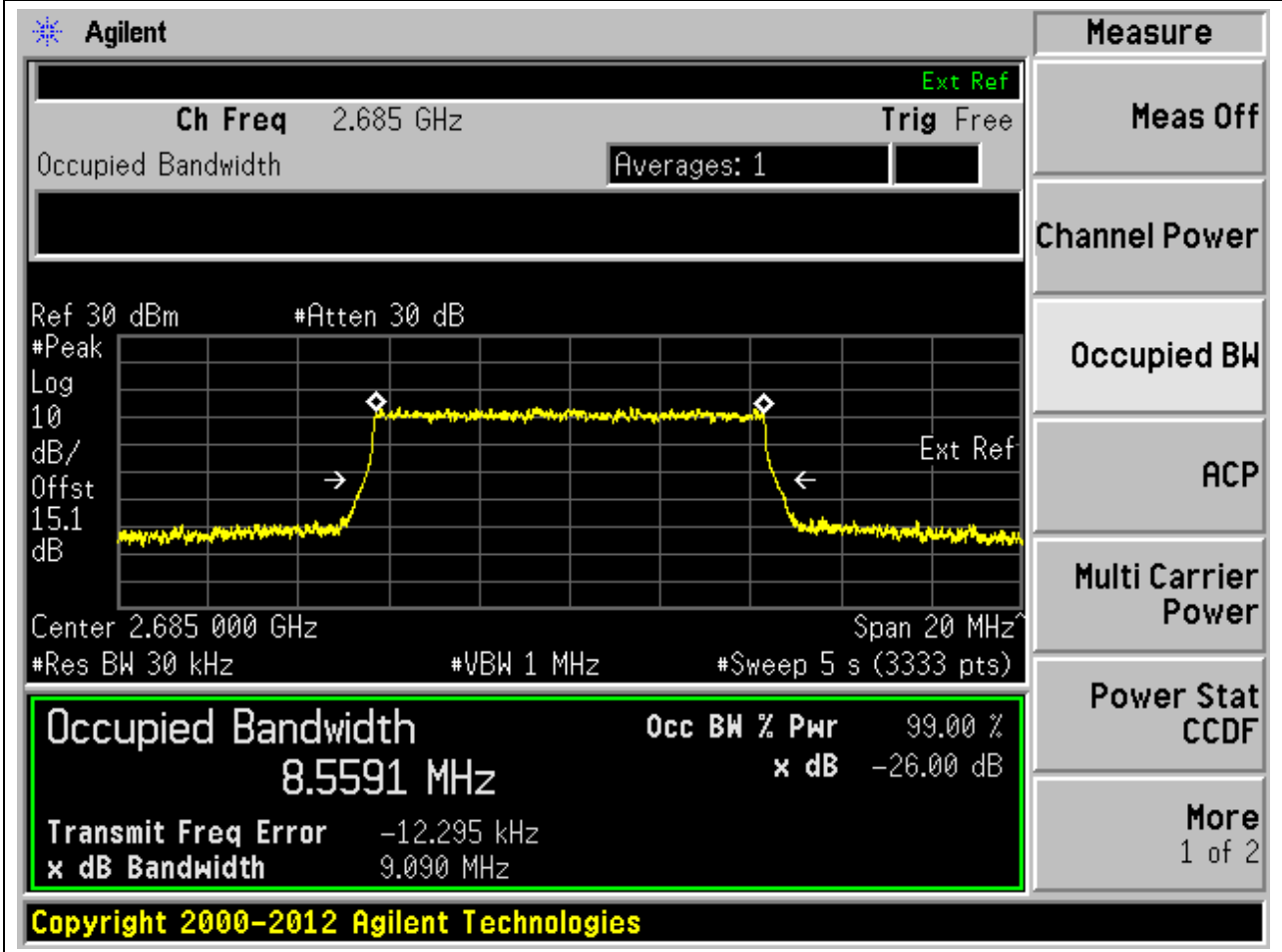
**3.11. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:518598, Bandwidth:10, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:24, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2592.99	99	26	0.03	Peak	8.57	9.01	10	Pass



**3.12. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:537000, Bandwidth:10, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:24, 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	0.03	Peak	8.56	9.09	10	Pass



**3.13. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:500700, Bandwidth:15, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:38, 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	0.03	Peak	13.54	14.12	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The center frequency is 2.5035 GHz. The occupied bandwidth is measured as 13.5418 MHz. The power is 99.00% and the XdB bandwidth is 14.121 MHz. The XdB down is -26.00 dB. The transmit frequency error is -12.868 kHz. The interface also shows a graph of the signal spectrum with a peak marker and a reference level. The graph shows a signal with a peak at approximately 2.5035 GHz and a bandwidth of 13.5418 MHz. The XdB down is -26.00 dB. The graph also shows the reference level at 30 dBm and the attenuation at 30 dB. The graph is labeled with 'Ext Ref' and 'ACP'.

Occupied Bandwidth	Occ BW % Pwr	x dB
13.5418 MHz	99.00 %	-26.00 dB

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**3.14. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:518598, Bandwidth:15, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:38, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2592.99	99	26	0.03	Peak	13.54	14.07	15	Pass

Agilent

Measure

Ch Freq 2.59299 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
10

dB/
Offst

15
dB

Center 2.592 990 GHz
Span 30 MHz

#Res BW 30 kHz
#VBW 1 MHz
#Sweep 5 s (5000 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
13.5442 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b>	-19.055 kHz
<b>x dB Bandwidth</b>	14.069 MHz

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat

CCDF

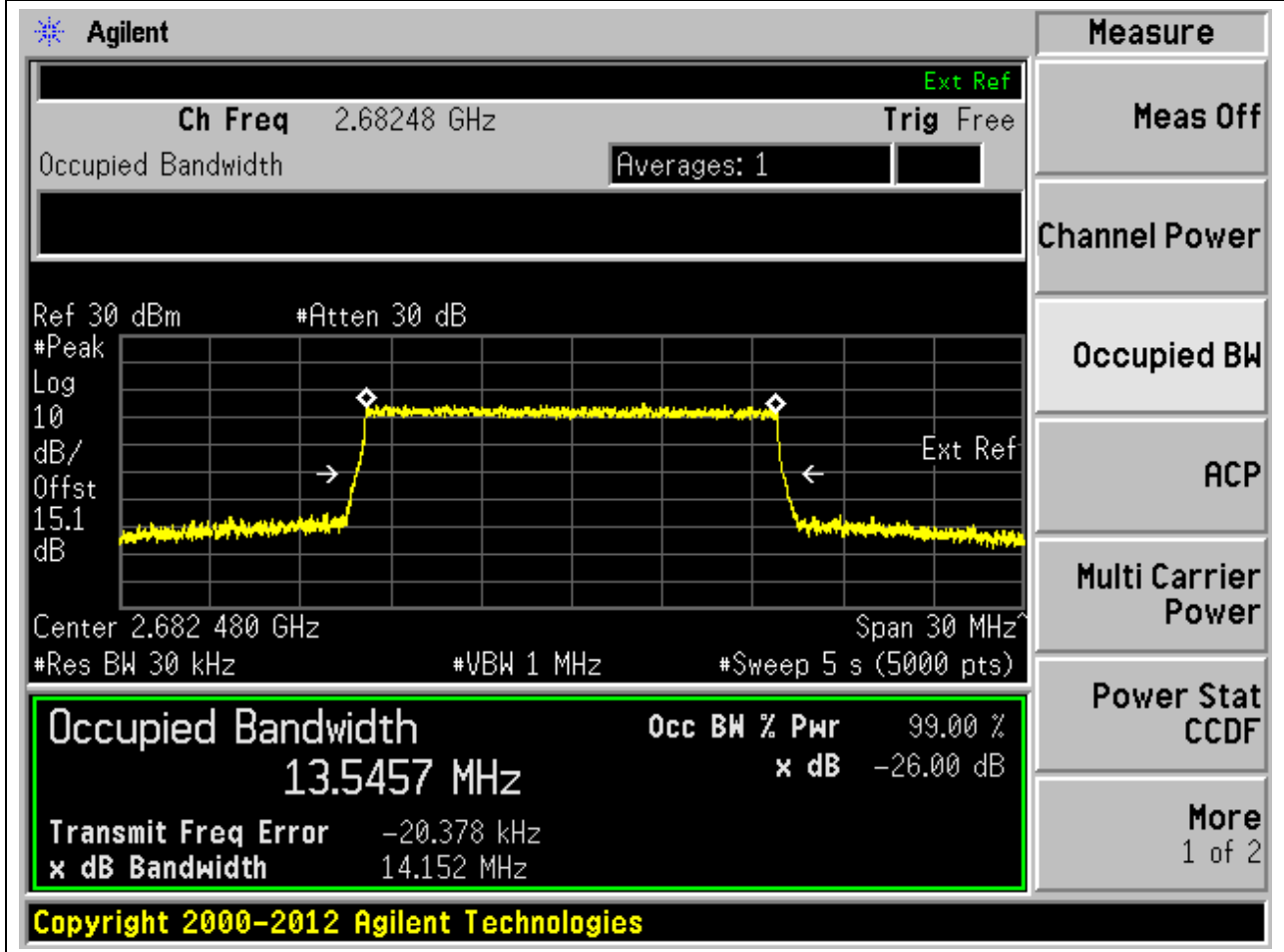
More

1 of 2

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**3.15. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:536496, Bandwidth:15, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:38, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2682.48	99	26	0.03	Peak	13.55	14.15	15	Pass



**3.16. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:500700, Bandwidth:15, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:38, 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	0.03	Peak	13.52	14.02	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.5035 GHz, and the span is 30 MHz. The occupied bandwidth is measured as 13.5236 MHz. The power is 99.00% and the XdB bandwidth is 14.016 MHz. The XdB down is -26.00 dB. The transmit frequency error is -6.380 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	x dB
13.5236 MHz	99.00 %	-26.00 dB

**3.17. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:518598, Bandwidth:15, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:38, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2592.99	99	26	0.03	Peak	13.54	14.07	15	Pass

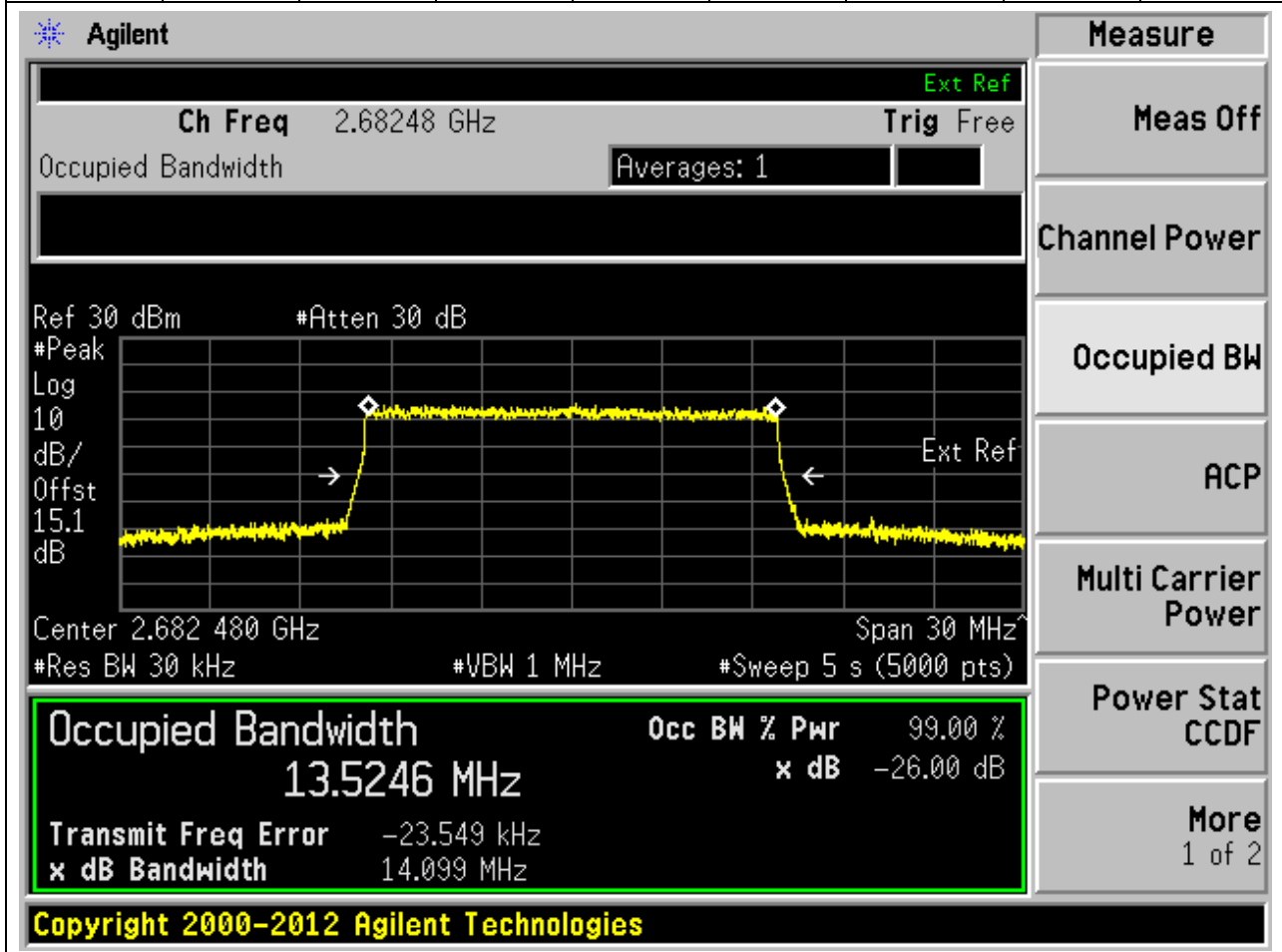
The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is 2.59299 GHz. The main display shows a spectrum plot with a yellow trace. The plot is set to a reference level of 30 dBm and an attenuation of 30 dB. The occupied bandwidth is highlighted with a green box, showing a value of 13.5379 MHz. The power is 99.00% and the XdB bandwidth is -26.00 dB. The transmit frequency error is -10.908 kHz and the XdB bandwidth is 14.072 MHz. The interface also shows various measurement settings like Res BW (30 kHz), VBW (1 MHz), and Sweep (5 s).

Occupied Bandwidth	Occ BW % Pwr	x dB
13.5379 MHz	99.00 %	-26.00 dB

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**3.18. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:536496, Bandwidth:15, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:38, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2682.48	99	26	0.03	Peak	13.52	14.1	15	Pass



**3.19. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:500700, Bandwidth:15, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:38, 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	0.03	Peak	13.54	14.05	15	Pass

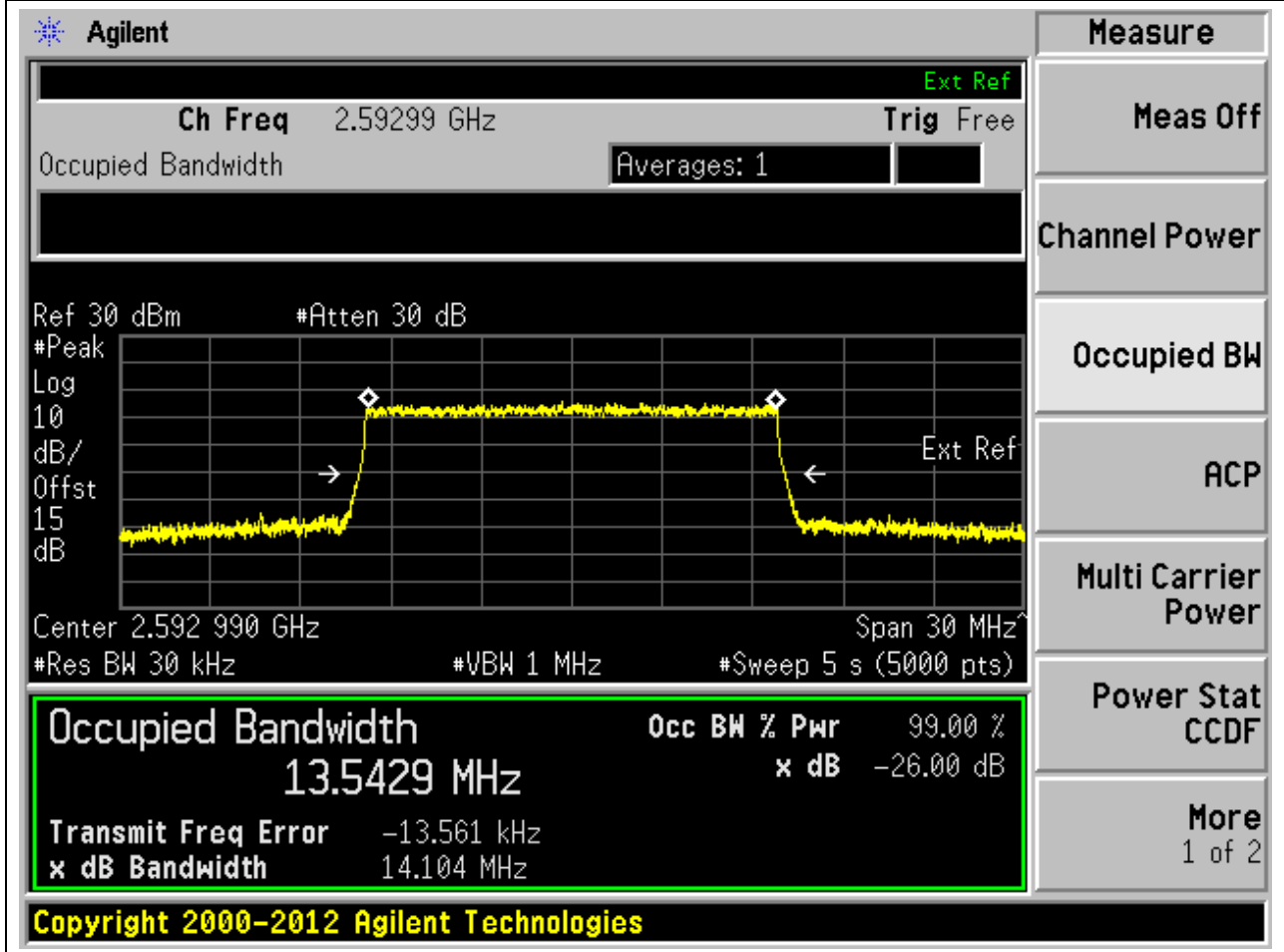
The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow signal trace. The plot is centered at 2.5035 GHz with a span of 30 MHz. The signal level is approximately 14.9 dB. The occupied bandwidth is highlighted with a green box and shows a value of 13.5428 MHz. The power is 99.00% and the XdB bandwidth is 14.047 MHz. The XdB down is -26.00 dB. The transmit frequency error is -15.007 kHz. The interface also shows various settings like Res BW (30 kHz), VBW (1 MHz), and Sweep (5 s). A 'Measure' menu on the right includes options like Meas Off, Channel Power, Occupied BW, ACP, Multi Carrier Power, Power Stat CCDF, and More.

Occupied Bandwidth	Occ BW % Pwr	x dB
13.5428 MHz	99.00 %	-26.00 dB

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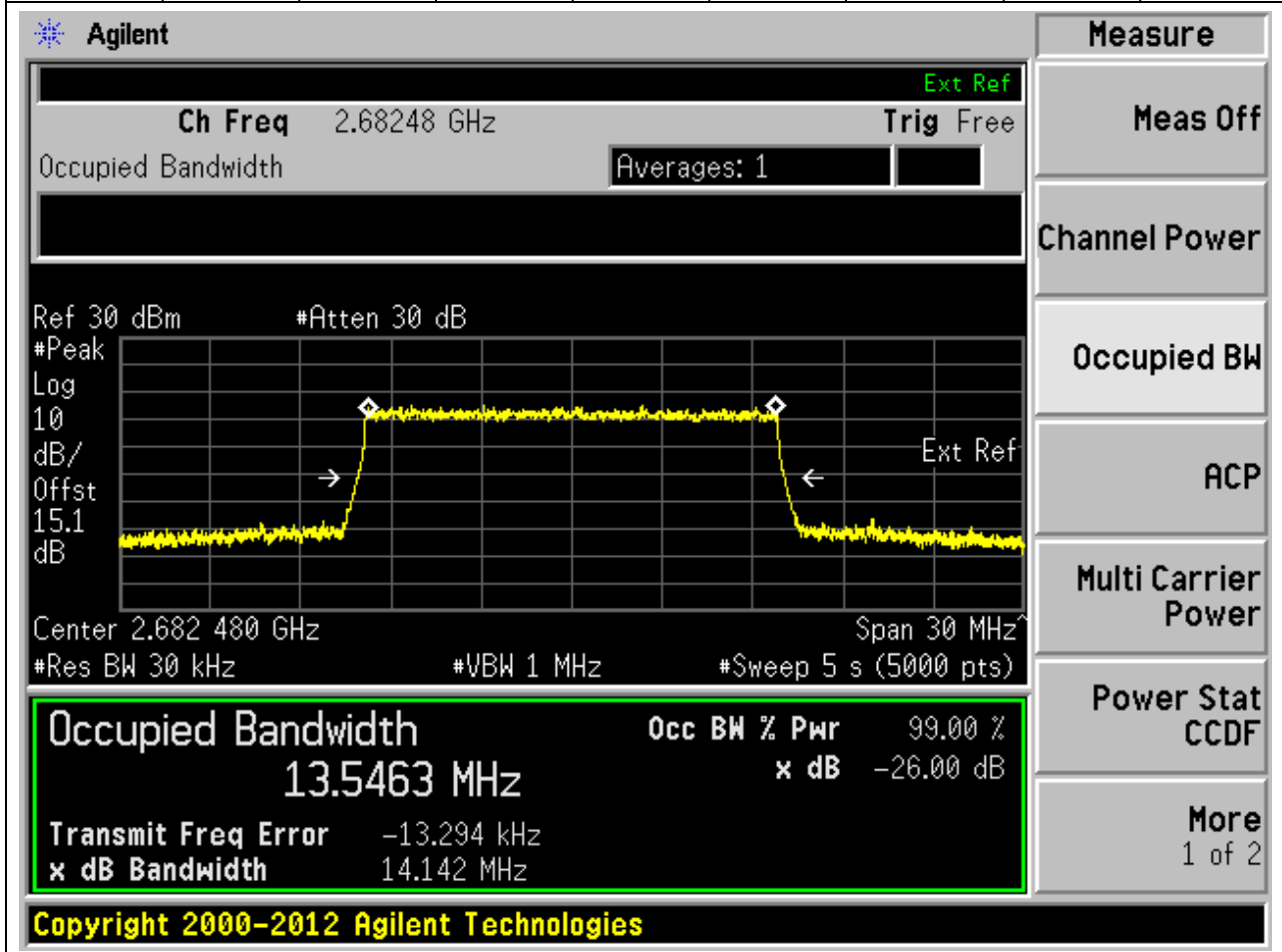
**3.20. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:518598, Bandwidth:15, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:38, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2592.99	99	26	0.03	Peak	13.54	14.1	15	Pass



**3.21. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:536496, Bandwidth:15, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:38, RB Position:0)**

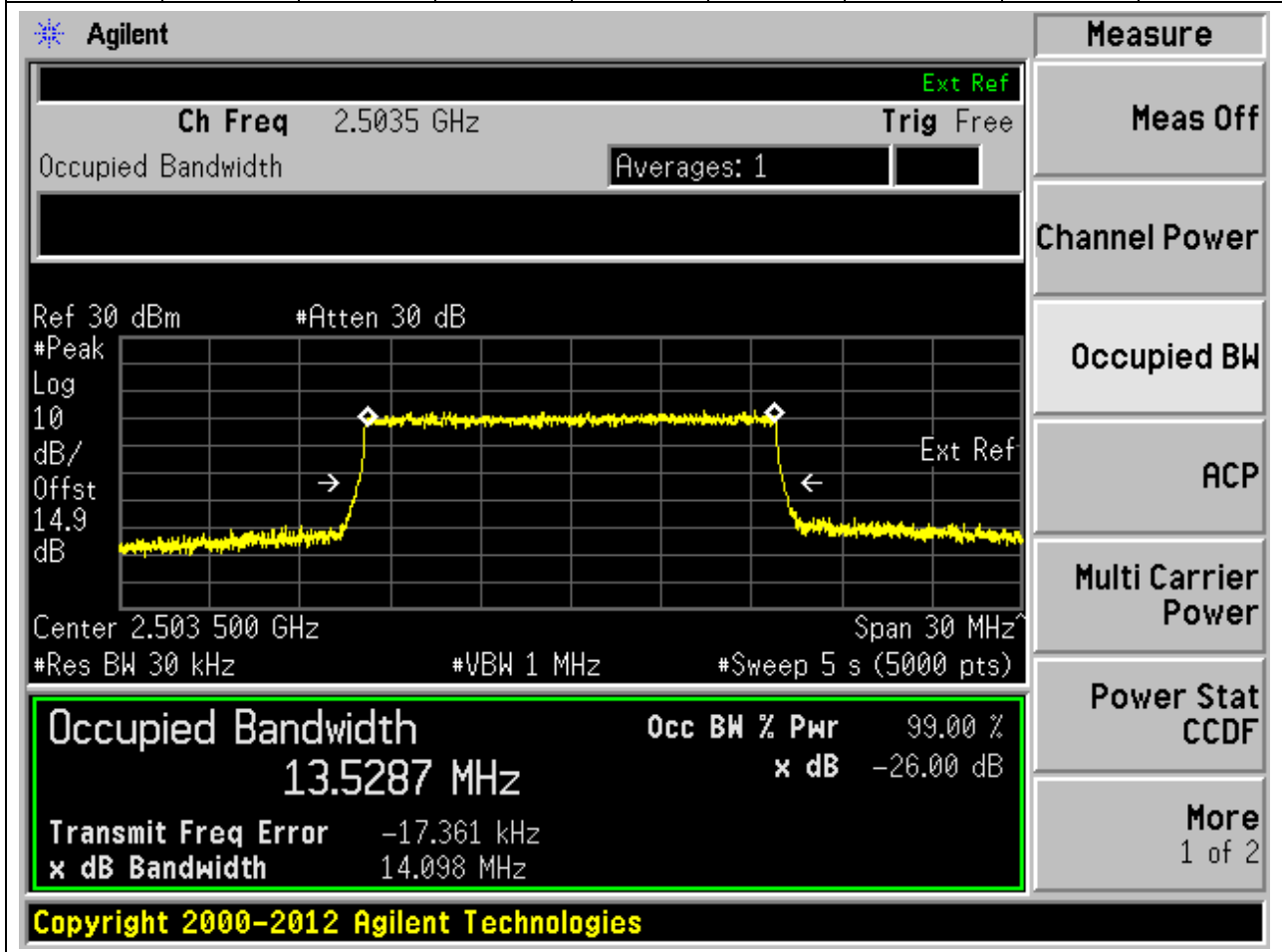
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2682.48	99	26	0.03	Peak	13.55	14.14	15	Pass





**3.22. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:500700, Bandwidth:15, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:38, 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	0.03	Peak	13.53	14.1	15	Pass



**3.23. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:518598, Bandwidth:15, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:38, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2592.99	99	26	0.03	Peak	13.54	14.12	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow signal trace. The center frequency is 2.59299 GHz, and the span is 30 MHz. The occupied bandwidth is measured as 13.5360 MHz. The power is 99.00% and the XdB bandwidth is 14.115 MHz. The XdB down is -26.00 dB. The transmit frequency error is -29.656 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	x dB
13.5360 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -29.656 kHz  
x dB Bandwidth: 14.115 MHz

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**3.24. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:536496, Bandwidth:15, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:38, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2682.48	99	26	0.03	Peak	13.53	14.04	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.68248 GHz, and the span is 30 MHz. The occupied bandwidth is measured as 13.5263 MHz. The power is 99.00% and the XdB bandwidth is 14.037 MHz. The XdB down is -26.00 dB. The transmit frequency error is -41.499 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 1 of 2'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
13.5263 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -41.499 kHz  
x dB Bandwidth: 14.037 MHz

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**3.25. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:501204, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:51, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2506.02	99	26	0.03	Peak	18.17	18.78	20	Pass

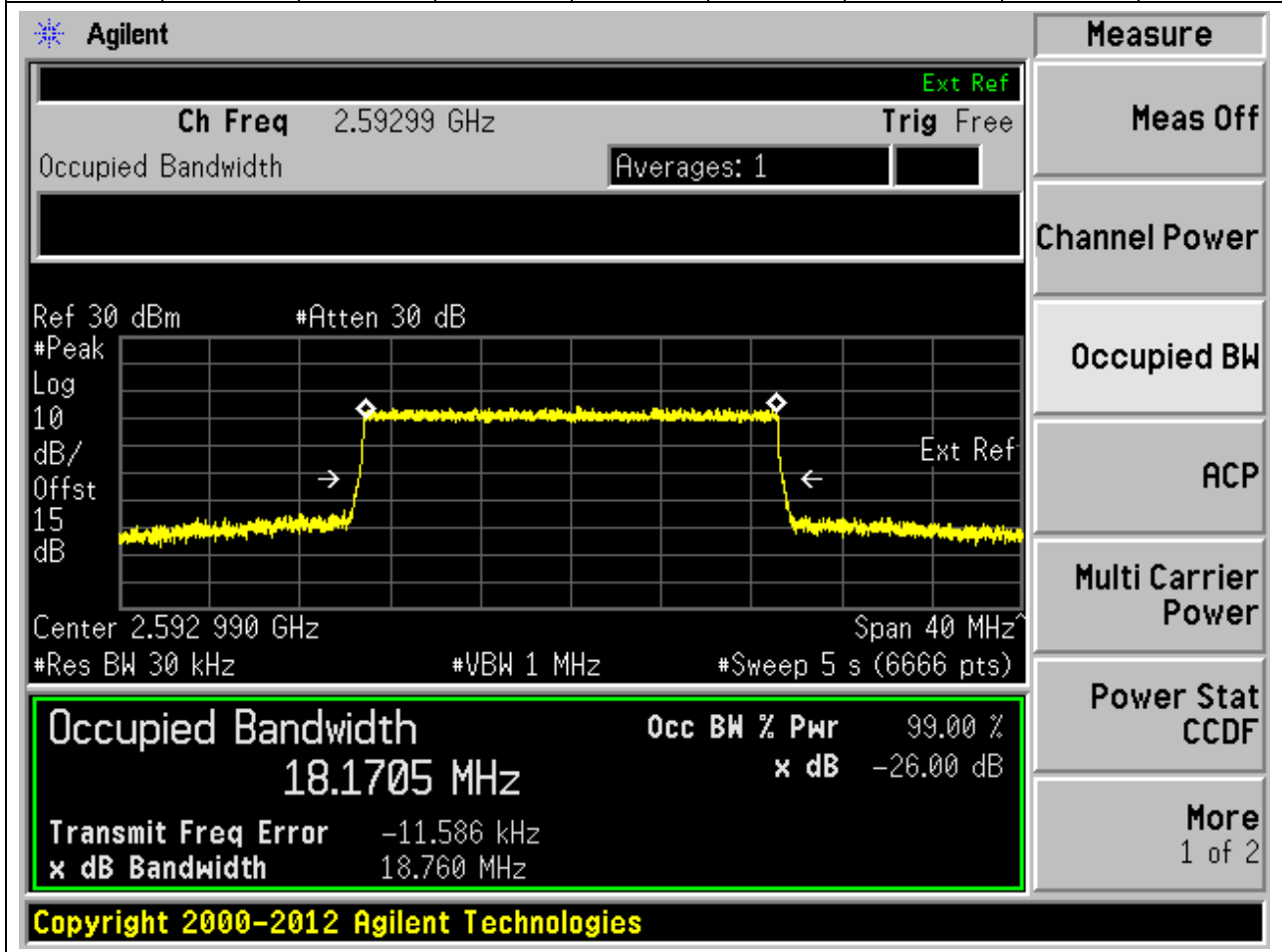
The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow signal trace. The center frequency is 2.50602 GHz, and the span is 40 MHz. The occupied bandwidth is highlighted as 18.1670 MHz. The power is 99.00% and the XdB bandwidth is -26.00 dB. The interface includes various measurement controls and a 'Measure' menu on the right.

Occupied Bandwidth	Occ BW % Pwr	x dB
18.1670 MHz	99.00 %	-26.00 dB

Other parameters shown in the screenshot include: Ch Freq 2.50602 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst, 14.9 dB, Center 2.506 020 GHz, Span 40 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 5 s (6666 pts), Transmit Freq Error -739.603 Hz, x dB Bandwidth 18.782 MHz.

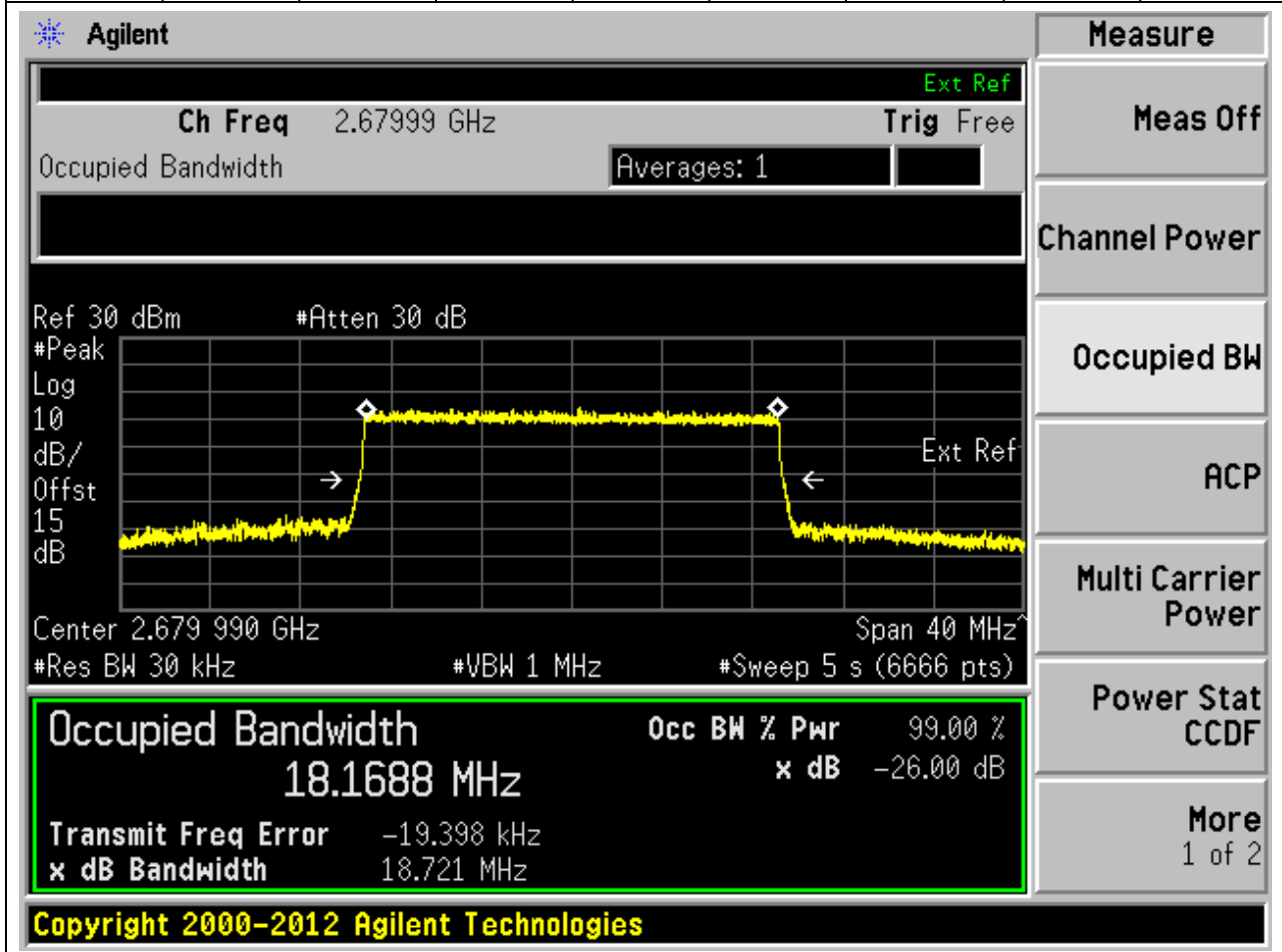
**3.26. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:518598, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:51, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2592.99	99	26	0.03	Peak	18.17	18.76	20	Pass



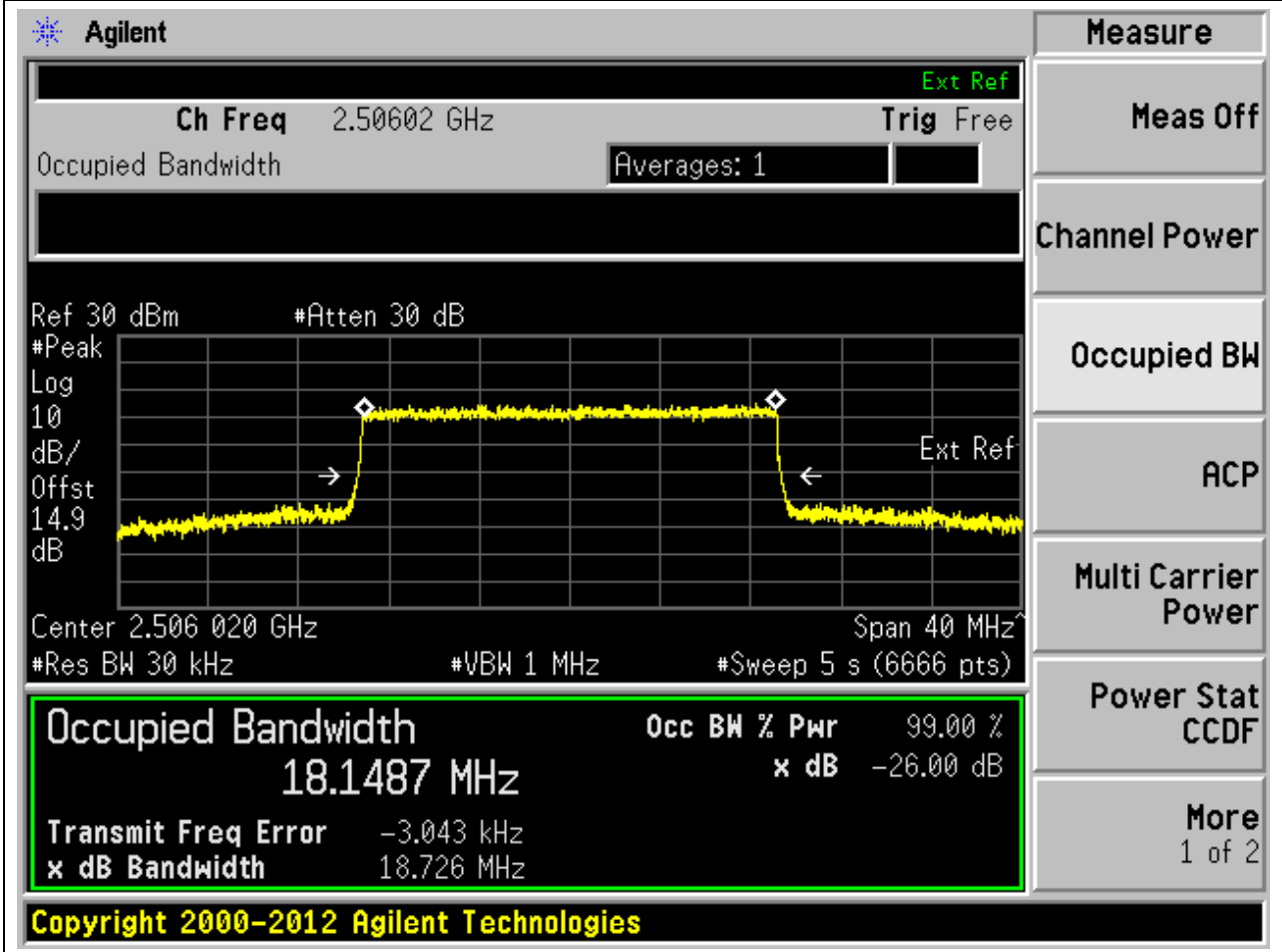
**3.27. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:535998, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:51, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2679.99	99	26	0.03	Peak	18.17	18.72	20	Pass



**3.28. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:501204, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:51, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2506.02	99	26	0.03	Peak	18.15	18.73	20	Pass



**3.29. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:518598, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:51, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2592.99	99	26	0.03	Peak	18.15	18.76	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.59299 GHz, and the span is 40 MHz. The occupied bandwidth is measured as 18.1523 MHz. The power is 99.00% and the XdB bandwidth is 18.764 MHz. The XdB down is -26.00 dB. The transmit frequency error is -15.970 kHz. The interface also shows various settings like Res BW (30 kHz), VBW (1 MHz), and Sweep (5 s). A 'Measure' menu 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
18.1523 MHz	99.00 %	-26.00 dB

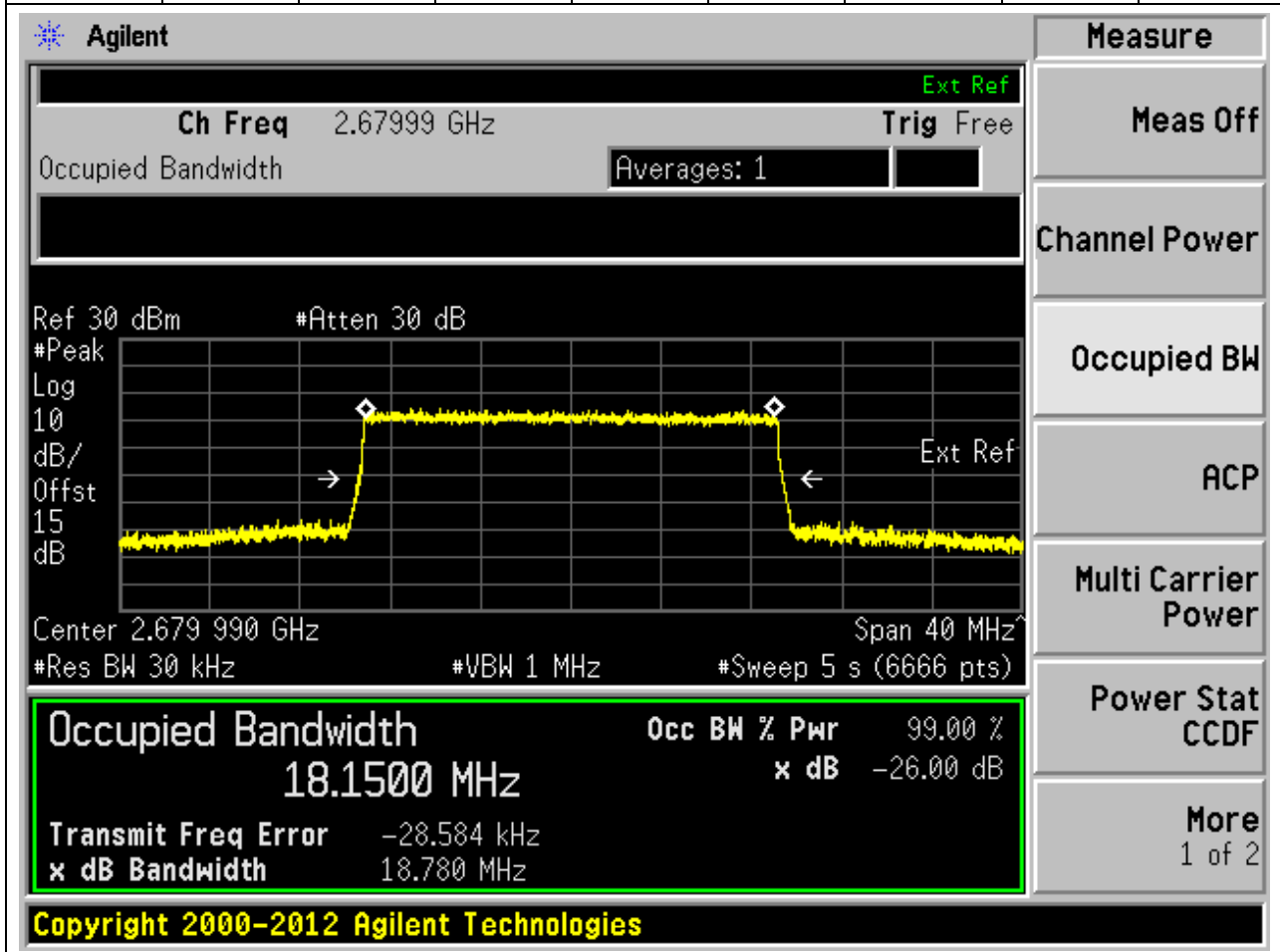
Transmit Freq Error: -15.970 kHz  
x dB Bandwidth: 18.764 MHz

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**3.30. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:535998, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:51, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2679.99	99	26	0.03	Peak	18.15	18.78	20	Pass



**3.31. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:501204, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:51, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2506.02	99	26	0.03	Peak	18.19	18.78	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow signal trace. The plot is centered at 2.506020 GHz with a span of 40 MHz. The signal level is approximately 18.19 MHz. The plot shows a flat signal with some noise, and the edges are marked with diamonds. The plot is labeled with 'Ref 30 dBm', '#Atten 30 dB', and '#Peak Log 10 dB/Offst 14.9 dB'. The plot also shows 'Center 2.506 020 GHz', '#Res BW 30 kHz', '#VBW 1 MHz', and '#Sweep 5 s (6666 pts)'. The plot is labeled with 'Ext Ref'.

The 'Measure' panel on the right shows the following settings and results:

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

The 'Occupied Bandwidth' summary box shows the following results:

Occupied Bandwidth	Occ BW % Pwr	x dB
18.1917 MHz	99.00 %	-26.00 dB

Additional summary information:

- Transmit Freq Error: -17.657 kHz
- x dB Bandwidth: 18.776 MHz

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**3.32. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:518598, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:51, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2592.99	99	26	0.03	Peak	18.17	18.78	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is 2.59299 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 18.1717 MHz. The power level is 99.00% and the XdB bandwidth is -26.00 dB. The transmit frequency error is -30.710 kHz and the XdB bandwidth is 18.779 MHz. The interface also includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
18.1717 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -30.710 kHz  
x dB Bandwidth: 18.779 MHz

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**3.33. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:535998, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:51, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2679.99	99	26	0.03	Peak	18.15	18.75	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow signal trace. The center frequency is 2.67999 GHz, and the span is 40 MHz. The occupied bandwidth is measured as 18.1545 MHz. The power is 99.00% and the XdB bandwidth is 18.747 MHz. The XdB down is -26.00 dB. The transmit frequency error is -40.908 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 1 of 2'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
18.1545 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -40.908 kHz  
x dB Bandwidth: 18.747 MHz

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**3.34. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:501204, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:51, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2506.02	99	26	0.03	Peak	18.19	18.7	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow signal trace. The plot is set to a center frequency of 2.50602 GHz and a span of 40 MHz. The signal level is approximately 18.19 MHz. The plot shows a flat signal with some noise, and the occupied bandwidth is highlighted with a green box.

**Measure**

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

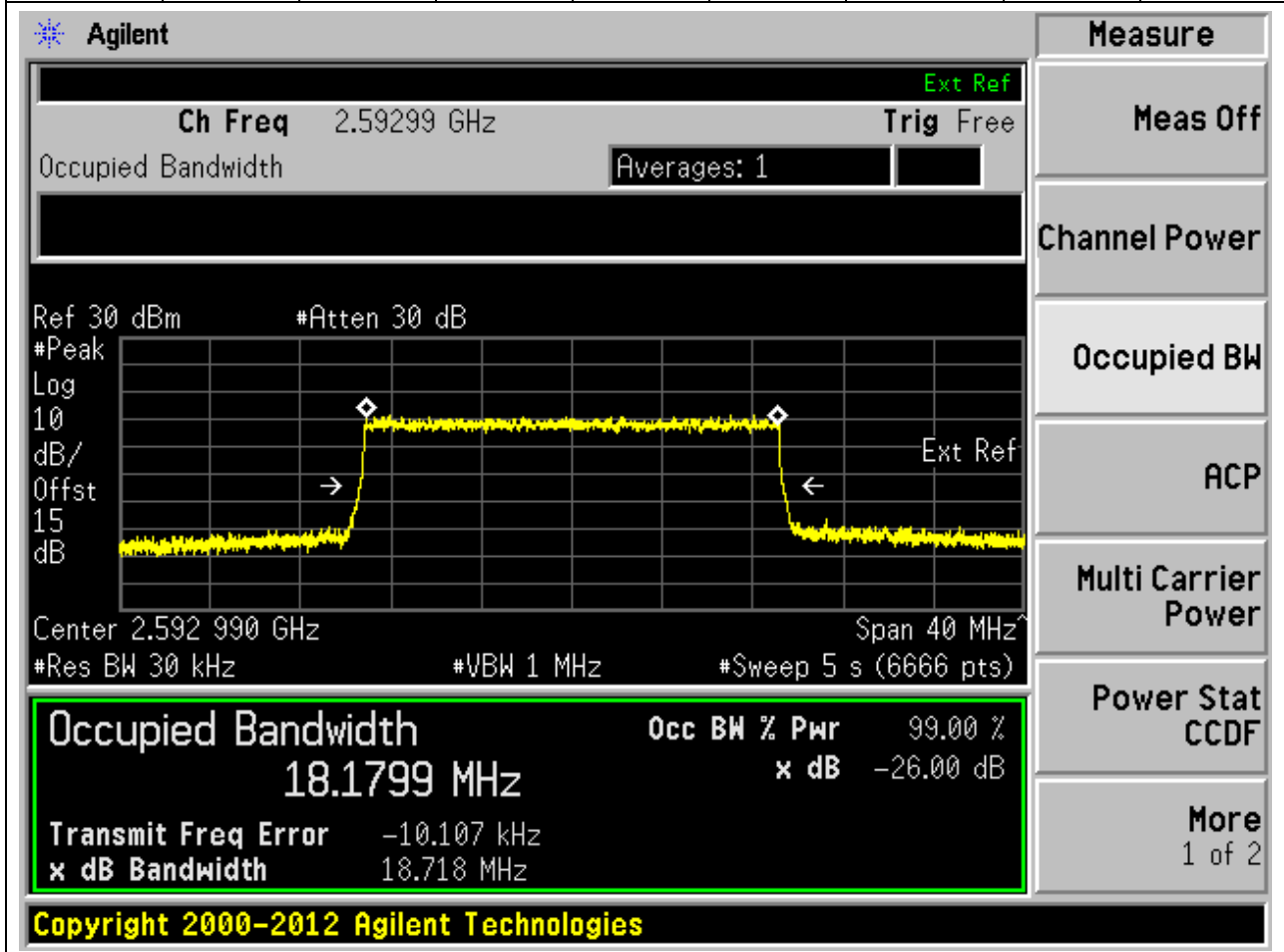
**Occupied Bandwidth**

Occupied Bandwidth	Occ BW % Pwr	99.00 %
18.1927 MHz	x dB	-26.00 dB
Transmit Freq Error		-2.354 kHz
x dB Bandwidth		18.697 MHz

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**3.35. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:518598, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:51, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2592.99	99	26	0.03	Peak	18.18	18.72	20	Pass



**3.36. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:535998, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:51, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2679.99	99	26	0.03	Peak	18.16	18.73	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.67999 GHz, and the span is 40 MHz. The occupied bandwidth is highlighted in a green box with the following values:

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
<b>18.1563 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		-23.329 kHz
<b>x dB Bandwidth</b>		18.728 MHz

Other visible parameters include: Ch Freq 2.67999 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 15 dB, Center 2.679 990 GHz, Span 40 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 5 s (6666 pts). The right-hand side of the interface shows a 'Measure' menu with options: Meas Off, Channel Power, Occupied BW, ACP, Multi Carrier Power, Power Stat CCDF, and More (1 of 2).

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**3.37. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:502200, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:78, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2511	99	26	1	Peak	28.14	30.43	30	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.511 GHz, and the span is 60 MHz. The occupied bandwidth is measured as 28.1405 MHz. The power is 99.00% and the XdB bandwidth is -26.00 dB. The detector is set to Peak, and the RBW is 3 MHz. The upper limit is 30 MHz. The verdict is Pass.

Occupied Bandwidth	Occ BW % Pwr	x dB
28.1405 MHz	99.00 %	-26.00 dB

Other parameters shown in the screenshot include: Ch Freq 2.511 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log 10 dB/Offst 14.8 dB, Center 2.511 00 GHz, Span 60 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (401 pts), Transmit Freq Error 52.174 kHz, x dB Bandwidth 30.428 MHz.

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**3.38. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:518598, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:78, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2592.99	99	26	1	Peak	28.18	30.54	30	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 2.59299 GHz with a span of 60 MHz. The occupied bandwidth is measured as 28.1821 MHz. The power level is 99.00% and the XdB bandwidth is -26.00 dB. The interface also shows various settings such as Res BW (1 MHz), VBW (3 MHz), and Sweep (5 s). A table at the bottom of the screen provides a summary of the measurement results.

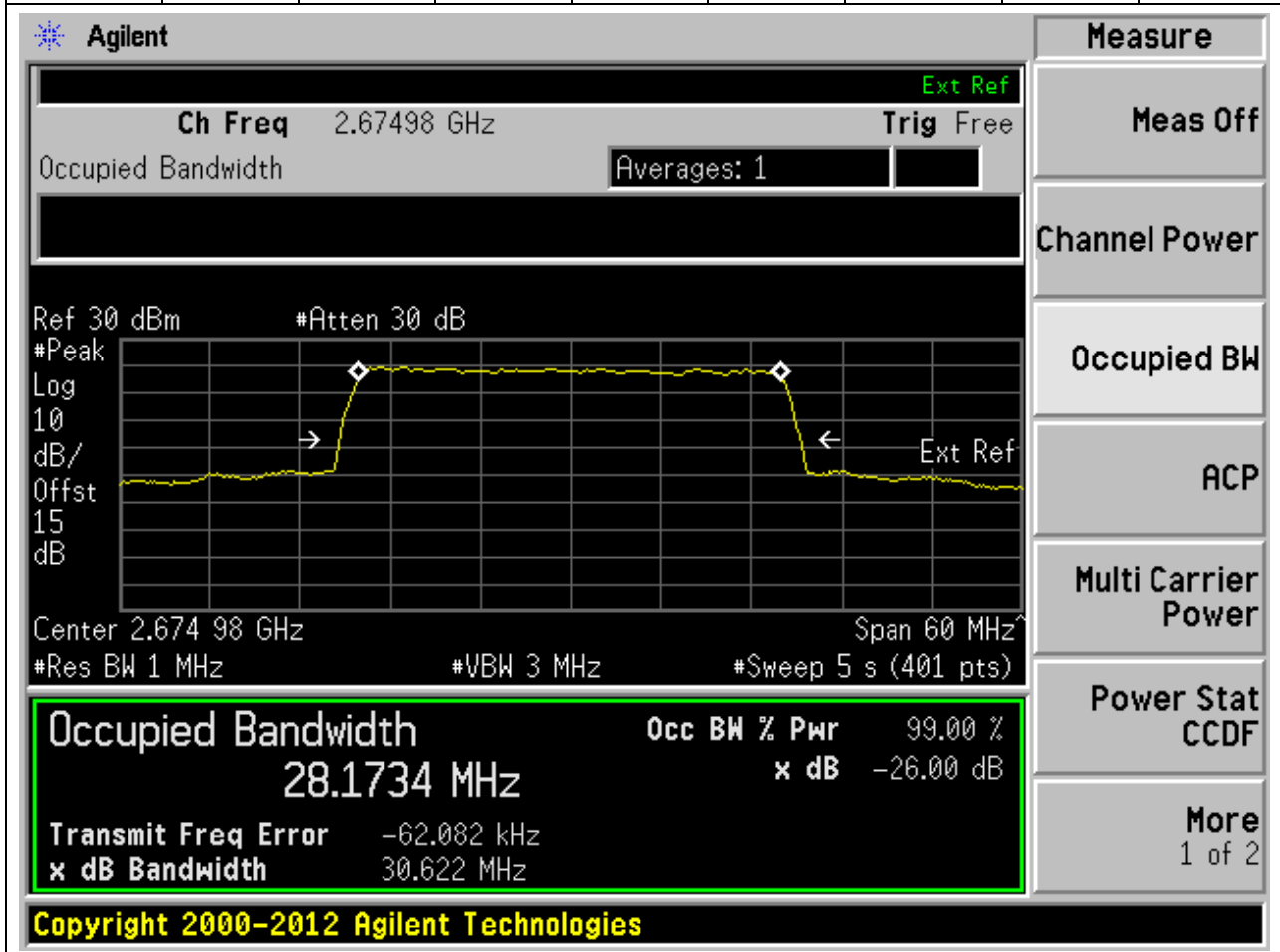
Occupied Bandwidth	Occ BW % Pwr	x dB
28.1821 MHz	99.00 %	-26.00 dB

Additional parameters shown in the screenshot include: Center 2.592 99 GHz, Span 60 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (401 pts), and Transmit Freq Error -14.423 kHz. The x dB Bandwidth is also listed as 30.537 MHz.

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**3.39. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:534996, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:78, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2674.98	99	26	1	Peak	28.17	30.62	30	Pass



**3.40. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:502200, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:78, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2511	99	26	1	Peak	28.17	30.52	30	Pass

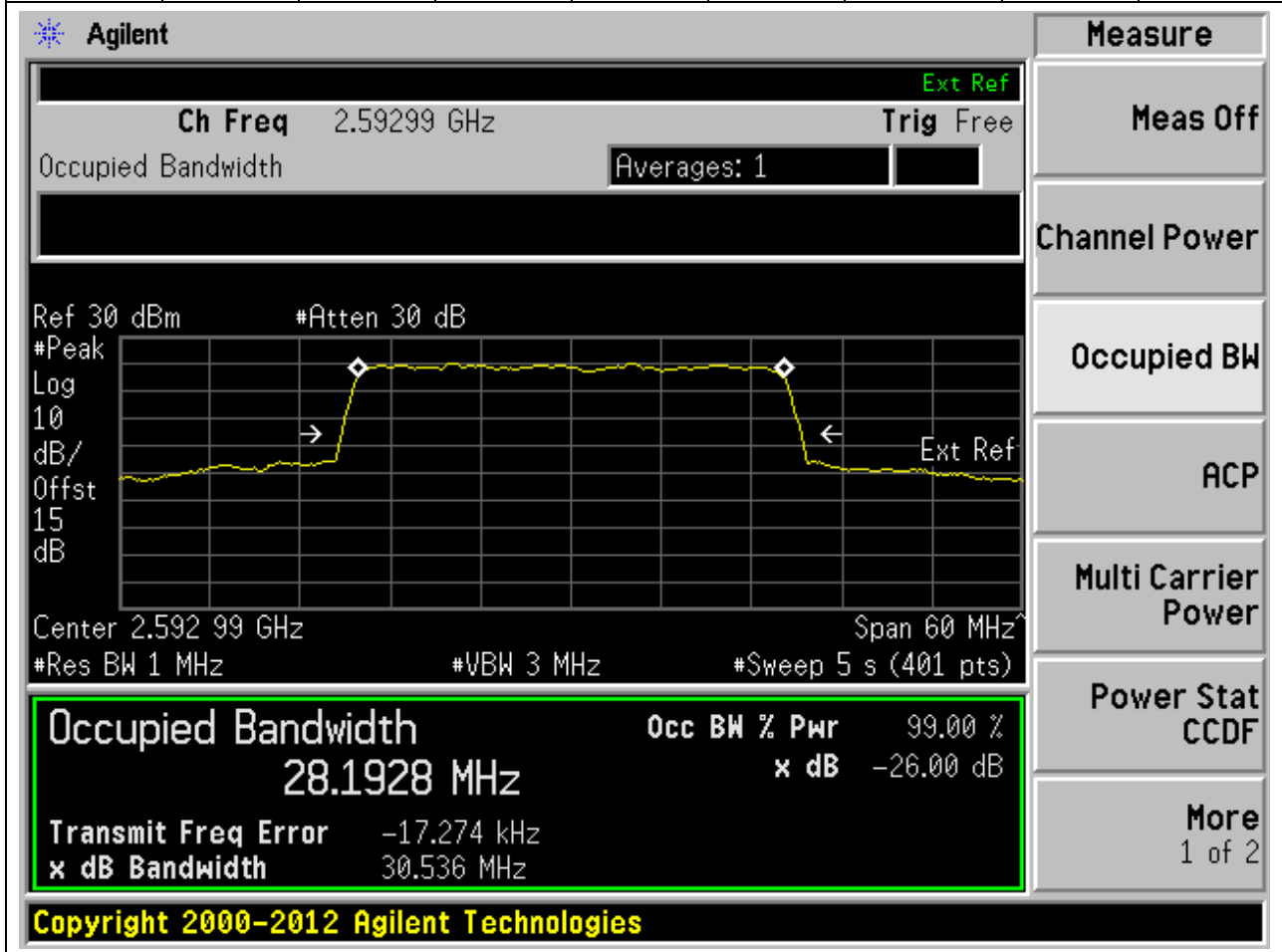
The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal trace with a yellow line representing the spectrum. The center frequency is 2.511 GHz, and the span is 60 MHz. The occupied bandwidth is measured as 28.1673 MHz, which is 99.00% of the 30 MHz channel bandwidth. The XdB down is -26.00 dB. The interface includes various control buttons on the right side, such as 'Measure', 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'. The bottom of the screen shows the copyright information: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
28.1673 MHz	99.00 %	-26.00 dB

Transmit Freq Error: 39.177 kHz  
 x dB Bandwidth: 30.524 MHz

**3.41. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:518598, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:78, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2592.99	99	26	1	Peak	28.19	30.54	30	Pass



**3.42. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:534996, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:78, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2674.98	99	26	1	Peak	28.15	30.44	30	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 2.67498 GHz with a span of 60 MHz. The resolution bandwidth (RBW) is 1 MHz, and the video bandwidth (VBW) is 3 MHz. The sweep time is 5 seconds with 401 points. The signal level is approximately -26 dBm, and the occupied bandwidth is 28.1528 MHz. The power is 99.00% and the XdB bandwidth is 30.444 MHz. The transmitter frequency error is -56.417 kHz. 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'.

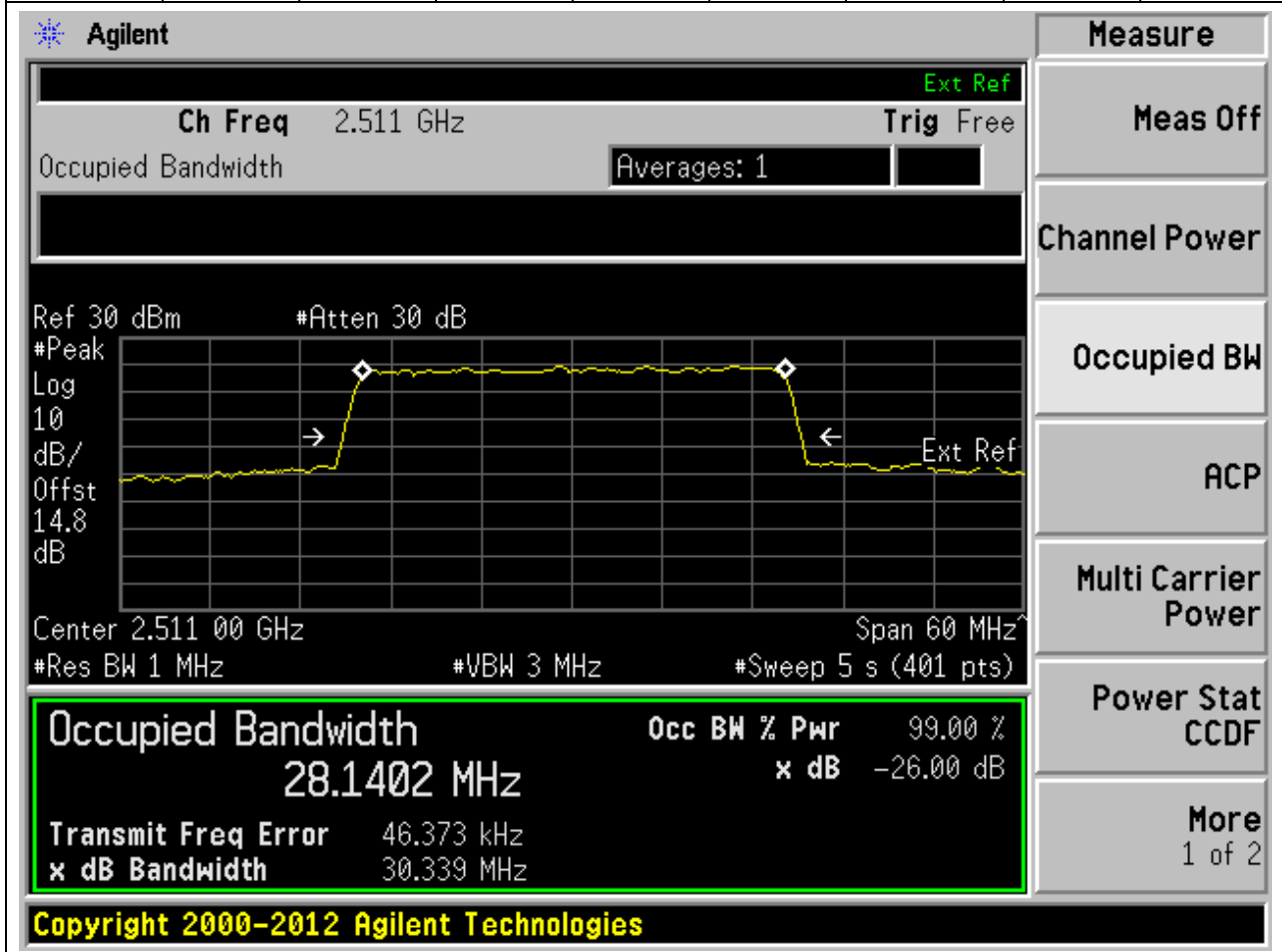
Occupied Bandwidth	Occ BW % Pwr	x dB
28.1528 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -56.417 kHz  
 x dB Bandwidth: 30.444 MHz

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**3.43. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:502200, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:78, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2511	99	26	1	Peak	28.14	30.34	30	Pass



**3.44. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:518598, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:78, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2592.99	99	26	1	Peak	28.17	30.44	30	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 2.59299 GHz with a span of 60 MHz. The resolution bandwidth (RBW) is 3 MHz, and the video bandwidth (VBW) is 3 MHz. The sweep time is 5 seconds with 401 points. The signal level is approximately -26 dBm, and the occupied bandwidth is 28.1709 MHz. The power is 99.00% of the total power, and the XdB bandwidth is 30.440 MHz. The transmitter frequency error is -11.799 kHz. 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'.

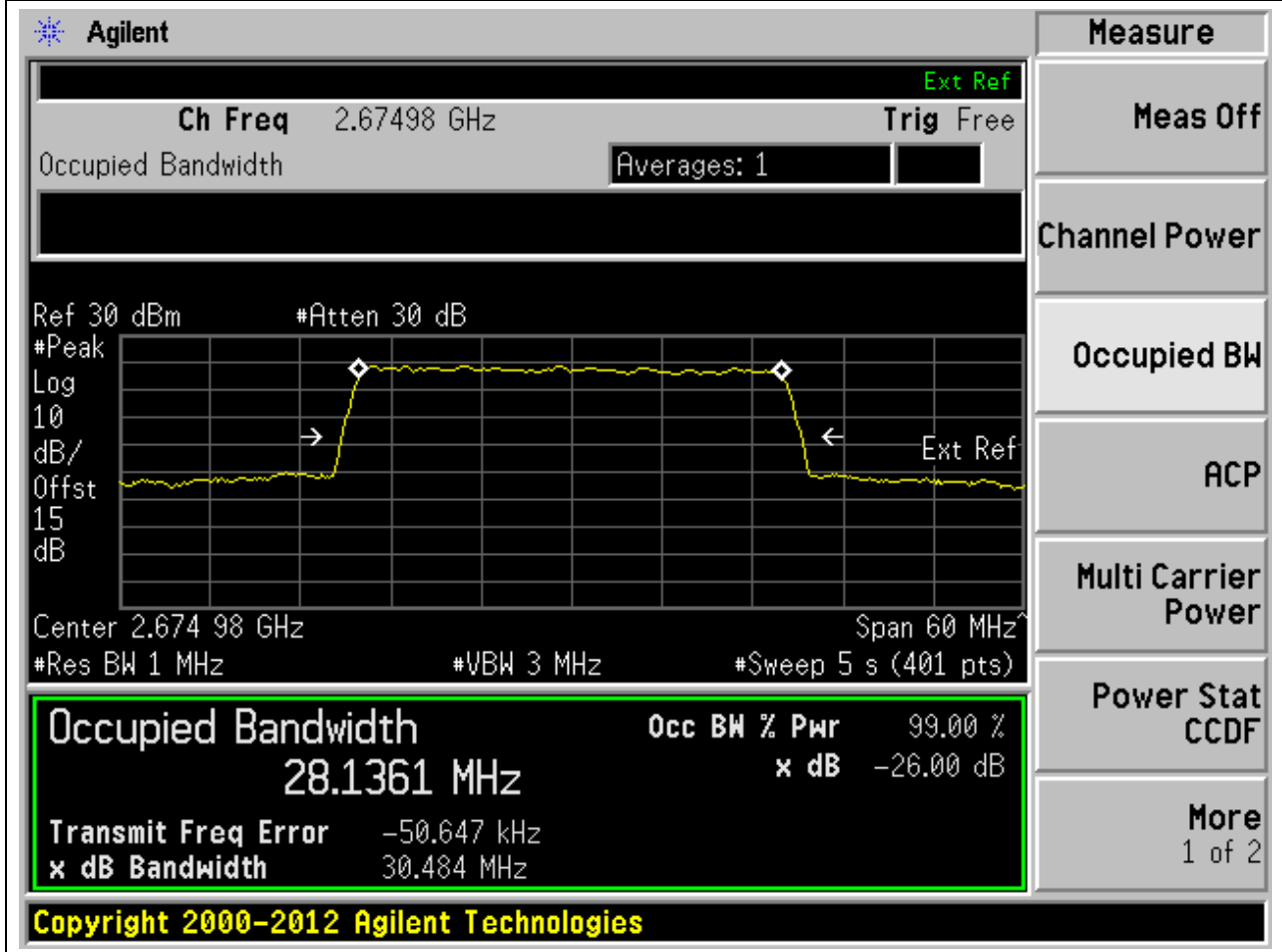
Occupied Bandwidth	Occ BW % Pwr	x dB
28.1709 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -11.799 kHz  
x dB Bandwidth: 30.440 MHz

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**3.45. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:534996, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:78, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2674.98	99	26	1	Peak	28.14	30.48	30	Pass





**3.46. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:502200, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:78, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2511	99	26	1	Peak	28.14	30.57	30	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	28.1429 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	34.776 kHz
x dB Bandwidth	30.574 MHz

Additional parameters shown in the interface include: Ch Freq 2.511 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 14.8 dB, Center 2.511 00 GHz, Span 60 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (401 pts). 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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**3.47. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:518598, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:78, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2592.99	99	26	1	Peak	28.17	30.66	30	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.59299 GHz, and the span is 60 MHz. The occupied bandwidth is measured as 28.1656 MHz. The power is 99.00% and the XdB bandwidth is -26.00 dB. 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
28.1656 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -21.978 kHz  
x dB Bandwidth: 30.656 MHz

**3.48. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:534996, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:78, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2674.98	99	26	1	Peak	28.12	30.53	30	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.67498 GHz, and the span is 60 MHz. The occupied bandwidth is measured as 28.1243 MHz. The power is 99.00% and the XdB bandwidth is 30.534 MHz. The XdB down is -26.00 dB. The transmit frequency error is -61.332 kHz. The interface also shows various settings like Res BW (1 MHz), VBW (3 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
28.1243 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -61.332 kHz  
x dB Bandwidth: 30.534 MHz

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**3.49. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:503202, Bandwidth:40, SCS:30, 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
2516.01	99	26	1	Peak	38.04	40.47	40	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The center frequency is 2.51601 GHz, and the span is 80 MHz. The occupied bandwidth is measured as 38.0435 MHz. The power is 99.00% and the XdB bandwidth is -26.00 dB. The detector is set to Peak, and the RBW is 3 MHz. The sweep time is 5 seconds (401 points). 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. The bottom of the screen displays the copyright information: Copyright 2000-2012 Agilent Technologies.

Occupied Bandwidth	Occ BW % Pwr	x dB
38.0435 MHz	99.00 %	-26.00 dB

Transmit Freq Error: 39.698 kHz  
x dB Bandwidth: 40.467 MHz

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**3.50. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:518598, Bandwidth:40, SCS:30, 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
2592.99	99	26	1	Peak	38.12	40.68	40	Pass

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

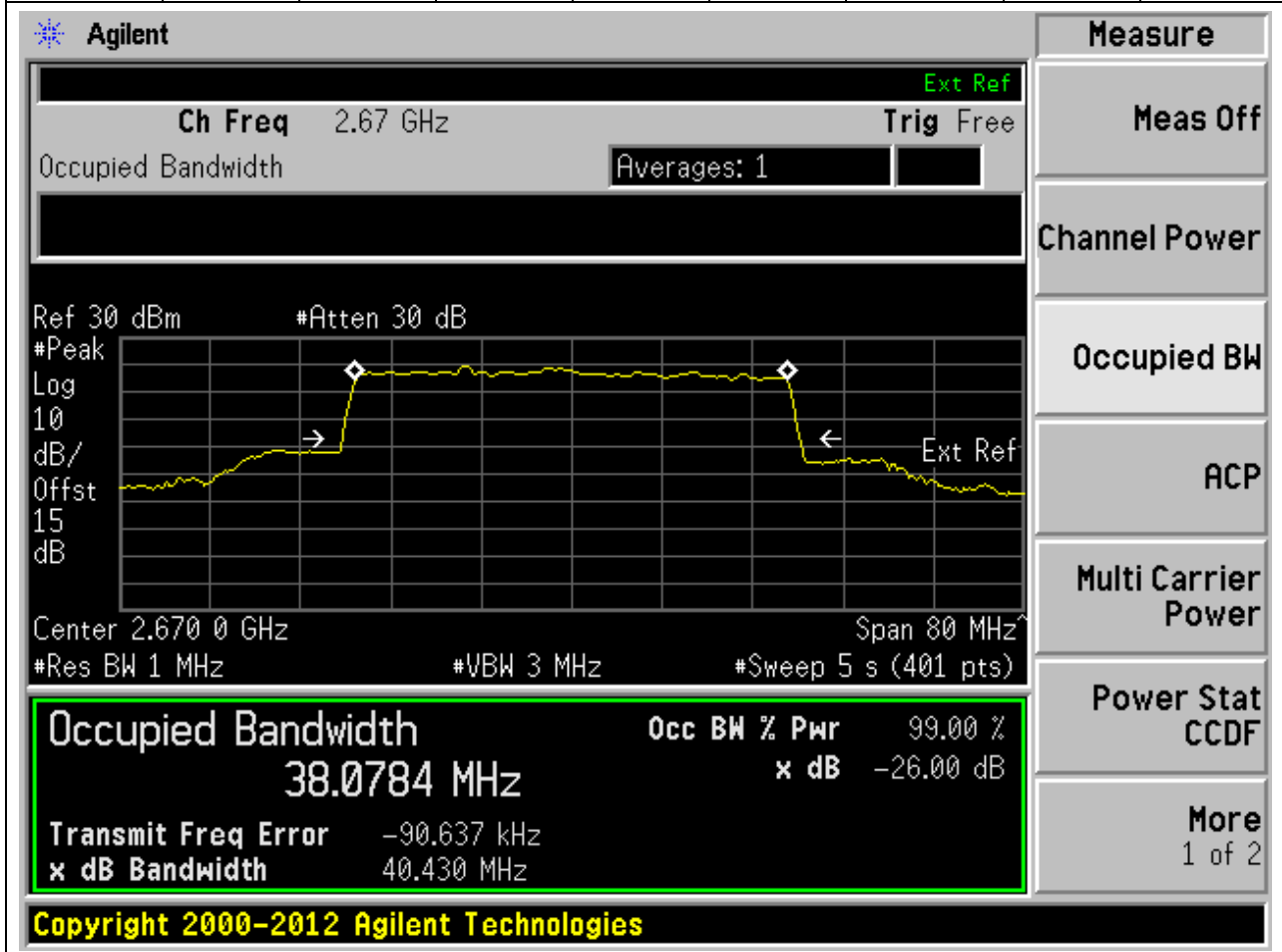
Measurement	Value
Occupied Bandwidth	38.1162 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-27.725 kHz
x dB Bandwidth	40.676 MHz

Other visible parameters include: Ch Freq 2.59299 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 15 dB, Center 2.593 0 GHz, Span 80 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (401 pts).

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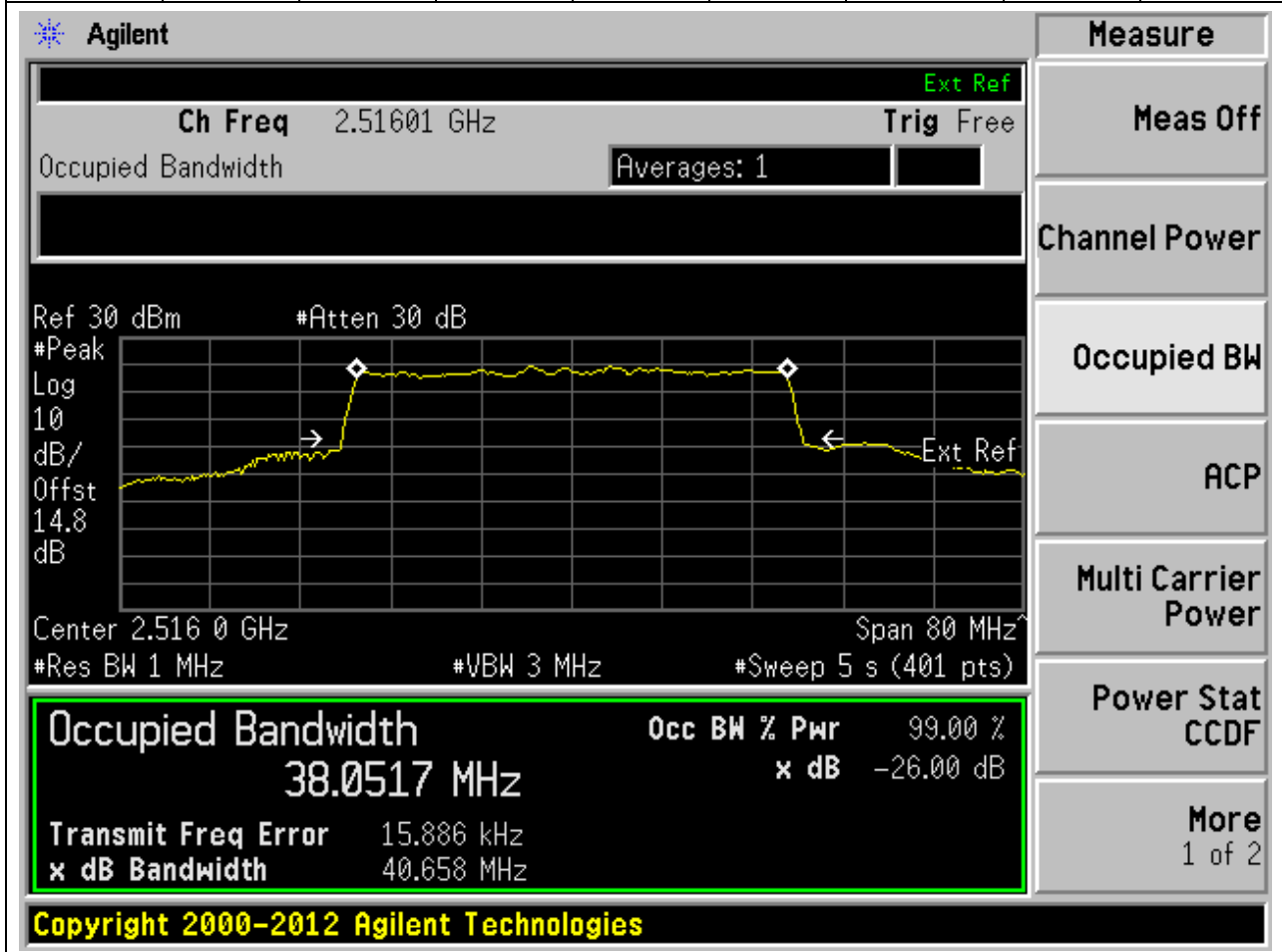
**3.51. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:534000, Bandwidth:40, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:106, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2670	99	26	1	Peak	38.08	40.43	40	Pass



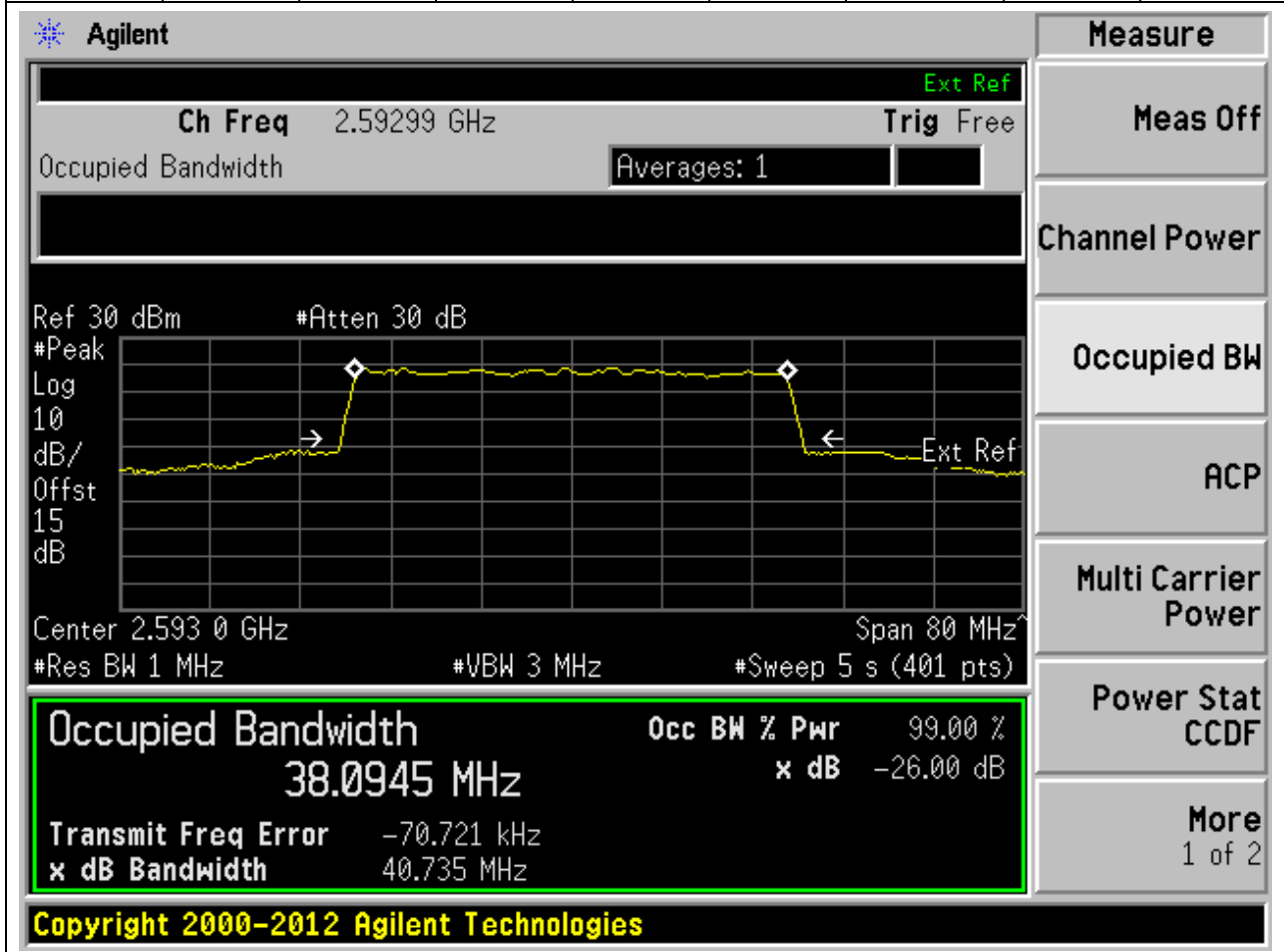
**3.52. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:503202, Bandwidth:40, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:106, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2516.01	99	26	1	Peak	38.05	40.66	40	Pass



**3.53. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:518598, Bandwidth:40, SCS:30, 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
2592.99	99	26	1	Peak	38.09	40.74	40	Pass





**3.54. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:534000, Bandwidth:40, SCS:30, 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
2670	99	26	1	Peak	38.05	40.59	40	Pass

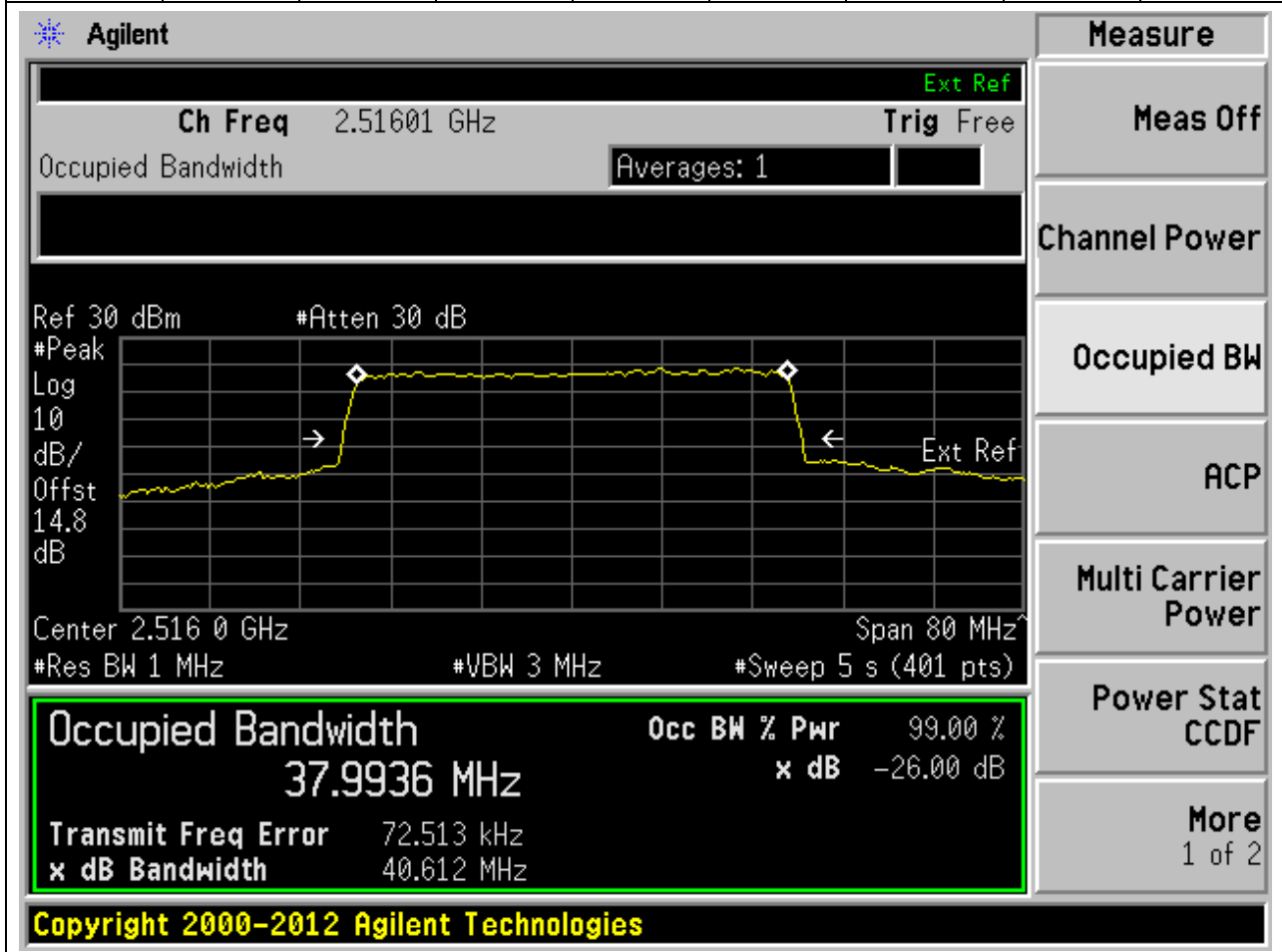
The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.670 GHz and the span is 80 MHz. The occupied bandwidth is highlighted in a green box at the bottom of the screen.

Occupied Bandwidth	Occ BW % Pwr	x dB
38.0513 MHz	99.00 %	-26.00 dB

Other parameters shown in the screenshot include: Ch Freq 2.67 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst, 15 dB, Center 2.670 0 GHz, Span 80 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (401 pts), Transmit Freq Error -126.012 kHz, and x dB Bandwidth 40.591 MHz.

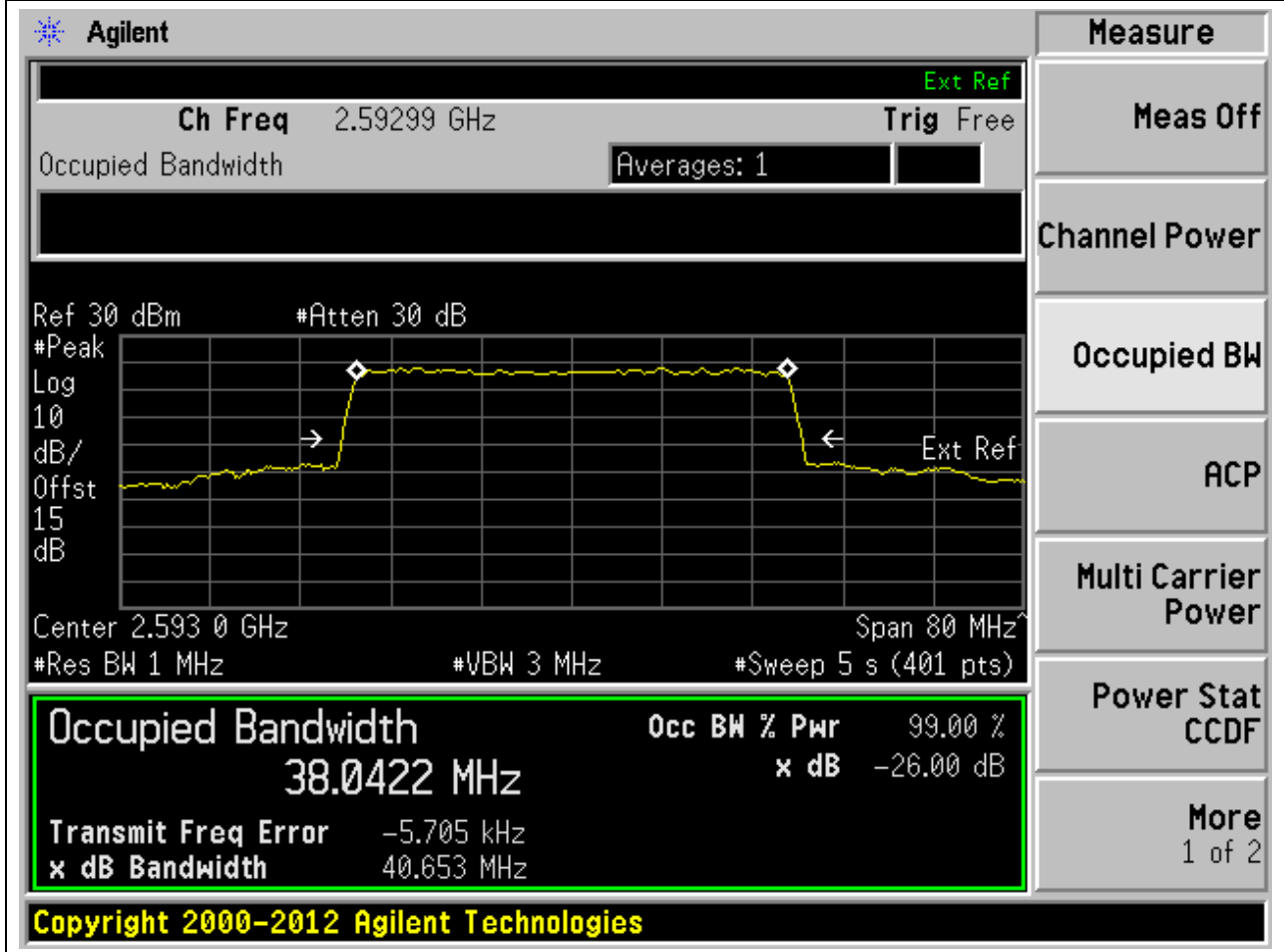
**3.55. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:503202, Bandwidth:40, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:106, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2516.01	99	26	1	Peak	37.99	40.61	40	Pass



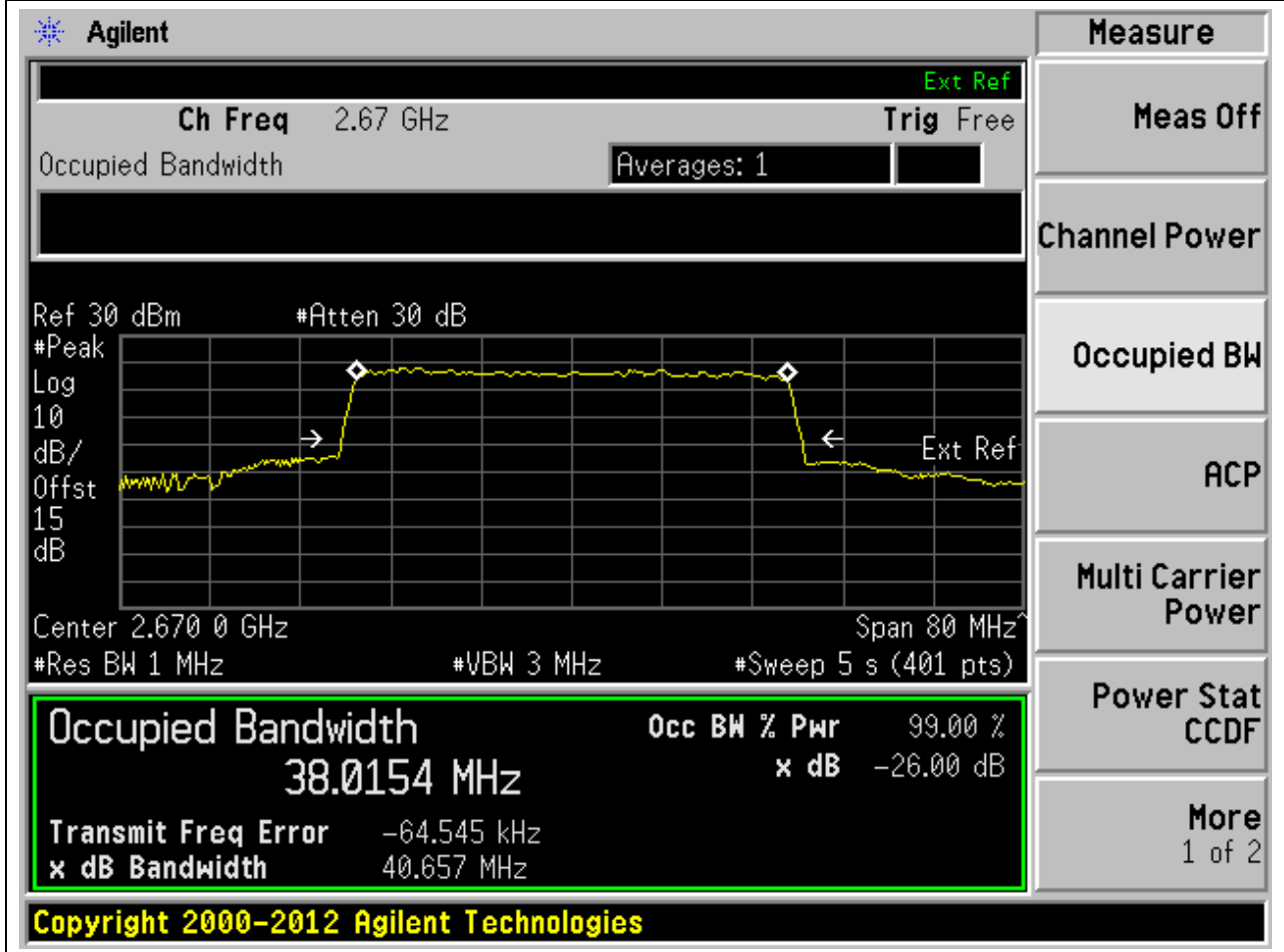
**3.56. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:518598, Bandwidth:40, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:106, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2592.99	99	26	1	Peak	38.04	40.65	40	Pass



**3.57. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:534000, Bandwidth:40, SCS:30, 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
2670	99	26	1	Peak	38.02	40.66	40	Pass



**3.58. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:503202, Bandwidth:40, SCS:30, 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
2516.01	99	26	1	Peak	37.91	40.42	40	Pass

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

Ch Freq 2.51601 GHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak  
 Log  
 10  
 dB/  
 Offst  
 14.8  
 dB

Center 2.516 0 GHz
Span 80 MHz

#Res BW 1 MHz
#VBW 3 MHz
#Sweep 5 s (401 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
37.9060 MHz	x dB -26.00 dB
Transmit Freq Error	49.359 kHz
x dB Bandwidth	40.424 MHz

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**3.59. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:518598, Bandwidth:40, SCS:30, 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
2592.99	99	26	1	Peak	37.94	40.63	40	Pass

Agilent
Measure

Ch Freq 2.59299 GHz Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

#Peak

Log 10 dB/Offst 15 dB

Center 2.593 0 GHz Span 80 MHz

#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (401 pts)

Meas Off

Channel Power

**Occupied BW**

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**Occupied Bandwidth**

**37.9386 MHz**

Transmit Freq Error -33.528 kHz

x dB Bandwidth 40.627 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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**3.60. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:534000, Bandwidth:40, SCS:30, 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
2670	99	26	1	Peak	37.87	40.49	40	Pass

Agilent
Measure

Ch Freq 2.67 GHz Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 15 dB

Center 2.6700 GHz Span 80 MHz

#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (401 pts)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**Occupied Bandwidth**

**37.8727 MHz**

Transmit Freq Error -97.877 kHz

x dB Bandwidth 40.488 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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