

25.7. Occupied Bandwidth for SA(NTNV)(Channel:343500, 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
1717.5	99	26	0.03	Peak	14.08	14.53	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow signal trace. The plot is centered at 1.7175 GHz with a span of 30 MHz. The signal level is approximately 10 dB. The occupied bandwidth is measured as 14.0771 MHz, which is 99.00% of the channel bandwidth. The XdB bandwidth is 14.530 MHz, and the XdB down is -26.00 dB. The transmit frequency error is 1.876 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 %
14.0771 MHz	x dB	-26.00 dB
Transmit Freq Error	1.876 kHz	
x dB Bandwidth	14.530 MHz	

25.8. Occupied Bandwidth for SA(NTNV)(Channel:349000, 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
1745	99	26	0.03	Peak	14.09	14.51	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	14.0861 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	5.165 kHz
x dB Bandwidth	14.507 MHz

Additional parameters shown in the interface include: Ch Freq 1.745 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 10.4 dB, Center 1.745 000 GHz, Span 30 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 5 s (5000 pts).

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25.9. Occupied Bandwidth for SA(NTNV)(Channel:354500, 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
1772.5	99	26	0.03	Peak	14.08	14.49	15	Pass

Agilent
Measure

Ch Freq 1.7725 GHz
Ext Ref

Occupied Bandwidth
Trig Free

Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
10

dB/
Offst

10.4
dB

Center 1.772 500 GHz
Span 30 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
14.0756 MHz	x dB -26.00 dB
Transmit Freq Error 40.772 Hz	
x dB Bandwidth 14.489 MHz	

Power Stat
More

CCDF
1 of 2

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25.10. Occupied Bandwidth for SA(NTNV)(Channel:344000, 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
1720	99	26	0.03	Peak	18.88	19.38	20	Pass

Agilent
Measure

Ch Freq 1.72 GHz
Ext Ref

Occupied Bandwidth
Trig Free

Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
 10
 dB/
 Offst
 10.4
 dB

Center 1.720 000 GHz
Span 40 MHz

#Res BW 30 kHz
#VBW 1 MHz
#Sweep 5 s (6666 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
18.8798 MHz	x dB	-26.00 dB
Transmit Freq Error	-640.989 Hz	
x dB Bandwidth	19.378 MHz	

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

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25.11. Occupied Bandwidth for SA(NTNV)(Channel:349000, 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
1745	99	26	0.03	Peak	18.88	19.4	20	Pass

Agilent
Measure

Ch Freq 1.745 GHz
Ext Ref

Occupied Bandwidth
Trig Free

Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
 10
 dB/
 Offst
 10.4
 dB

Center 1.745 000 GHz
Span 40 MHz

#Res BW 30 kHz
#VBW 1 MHz
#Sweep 5 s (6666 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
18.8837 MHz	x dB	-26.00 dB
Transmit Freq Error	-5.278 kHz	
x dB Bandwidth	19.397 MHz	

Power Stat
CCDF

More
1 of 2

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25.12. Occupied Bandwidth for SA(NTNV)(Channel:354000, 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
1770	99	26	0.03	Peak	18.87	19.35	20	Pass

Agilent
Measure

Ch Freq 1.77 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
10

dB/
Offst

10.4
dB

Center 1.770 000 GHz
Span 40 MHz

#Res BW 30 kHz
#VBW 1 MHz
#Sweep 5 s (6666 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
18.8716 MHz	x dB -26.00 dB
Transmit Freq Error	-12.641 kHz
x dB Bandwidth	19.353 MHz

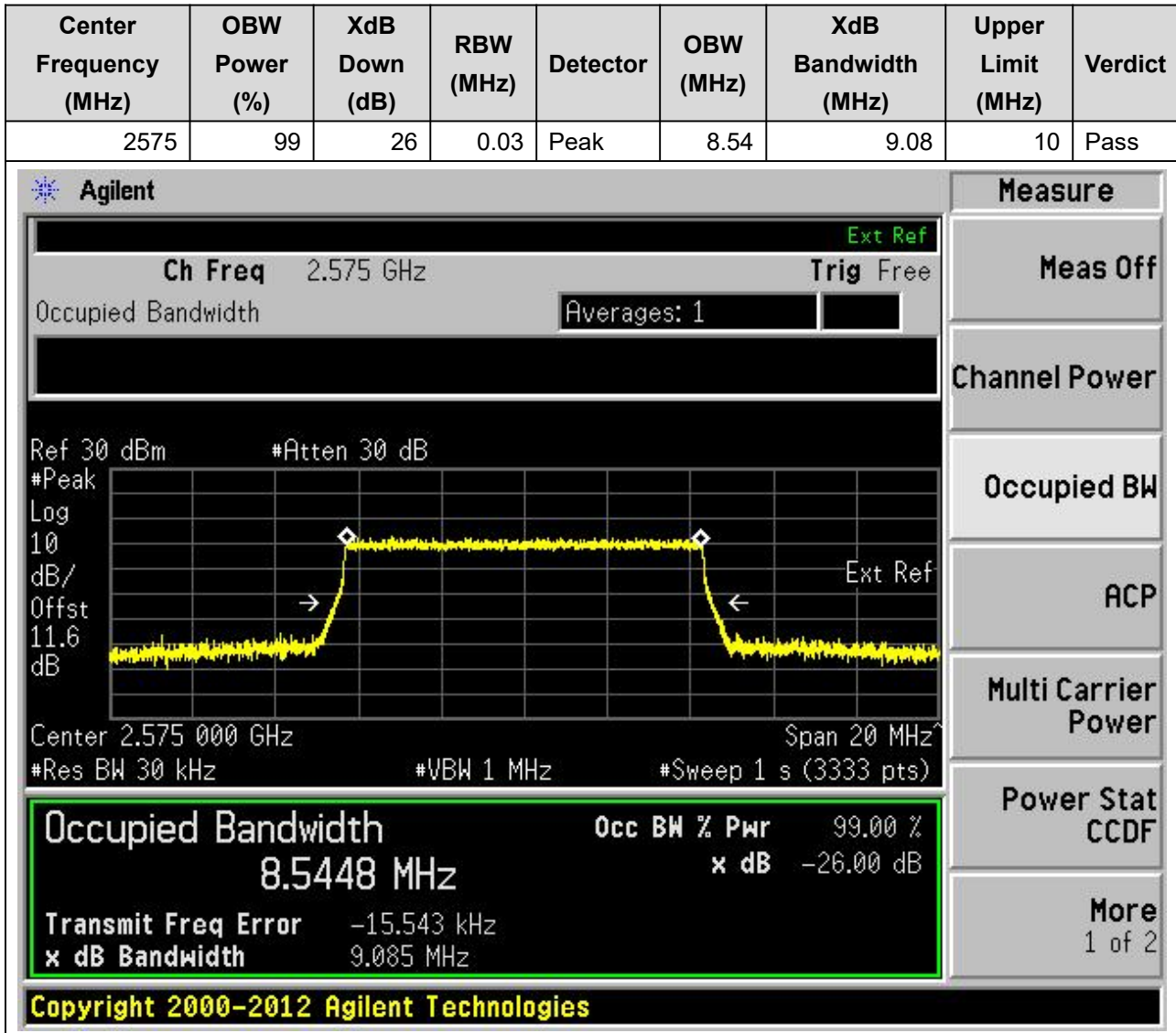
Power Stat
CCDF

More
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26. n38_PC3

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



26.2. Occupied Bandwidth for SA(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	9.1	10	Pass

Agilent
Measure

Ch Freq 2.595 GHz Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

#Peak

Log

10

dB/

Offst

11.7

dB

Center 2.595 000 GHz Span 20 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

8.5556 MHz x dB -26.00 dB

Transmit Freq Error -19.485 kHz

x dB Bandwidth 9.099 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

26.3. Occupied Bandwidth for SA(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	8.54	9.04	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 2.615 GHz, and the span is 20 MHz. The occupied bandwidth is measured as 8.5446 MHz, which is 99.00% of the channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -21.716 kHz, and the XdB bandwidth is 9.037 MHz. The interface includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
8.5446 MHz	x dB	-26.00 dB
Transmit Freq Error	-21.716 kHz	
x dB Bandwidth	9.037 MHz	

26.4. Occupied Bandwidth for SA(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	13.53	14.03	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	13.5286 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-14.061 kHz
x dB Bandwidth	14.030 MHz

Additional parameters shown in the interface include: Ch Freq 2.5775 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst, 11.6 dB, Center 2.577 500 GHz, Span 30 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 1 s (5000 pts).

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26.5. Occupied Bandwidth for SA(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	13.54	14.13	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 2.595 GHz, and the span is 30 MHz. The occupied bandwidth is measured as 13.5352 MHz, which is 99.00% of the channel bandwidth. The XdB bandwidth is 14.130 MHz, and the XdB down is -26.00 dB. The transmit frequency error is -13.660 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 %
13.5352 MHz	x dB	-26.00 dB
Transmit Freq Error		-13.660 kHz
x dB Bandwidth		14.130 MHz

26.6. Occupied Bandwidth for SA(NTNV)(Channel:522500, Bandwidth:15, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:38, RB Position:0)

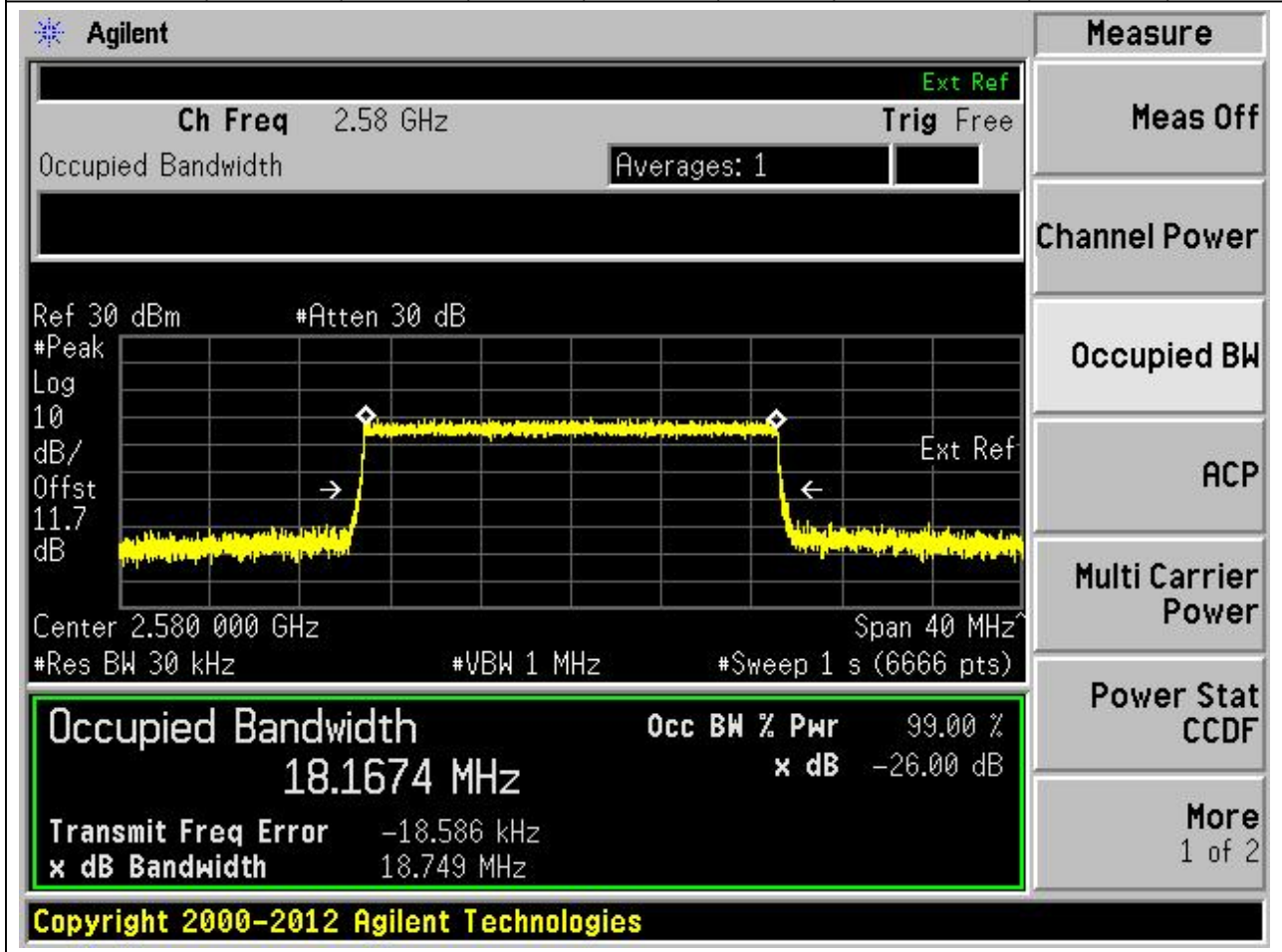
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2612.5	99	26	0.03	Peak	13.54	14.14	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The center frequency is 2.6125 GHz, and the span is 30 MHz. The occupied bandwidth is measured as 13.5408 MHz. The power level is 99.00% and the XdB bandwidth is -26.00 dB. The transmit frequency error is -17.893 kHz. The XdB bandwidth is 14.144 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 %
13.5408 MHz	x dB	-26.00 dB
Transmit Freq Error		-17.893 kHz
x dB Bandwidth		14.144 MHz

26.7. Occupied Bandwidth for SA(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	18.17	18.75	20	Pass



26.8. Occupied Bandwidth for SA(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	18.74	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 2.595 GHz with a span of 40 MHz. The signal is a rectangular pulse with a bandwidth of approximately 18.18 MHz. The plot shows a sharp rise and fall, with a flat top. The y-axis is labeled 'dB/Offst' and the x-axis is labeled 'MHz'. The plot is titled 'Occupied Bandwidth' and 'Averages: 1'. The plot is also labeled 'Ext Ref'.

The measurement results are displayed in a table at the bottom of the screen:

Measurement	Value	Unit
Occupied Bandwidth	18.1811	MHz
Occ BW % Pwr	99.00	%
x dB	-26.00	dB
Transmit Freq Error	-16.972	kHz
x dB Bandwidth	18.743	MHz

The interface also shows various settings and controls, including 'Ch Freq 2.595 GHz', 'Trig Free', 'Ref 30 dBm', '#Atten 30 dB', '#Peak Log', 'dB/Offst 11.7 dB', 'Center 2.595 000 GHz', 'Span 40 MHz', '#Res BW 30 kHz', '#VBW 1 MHz', and '#Sweep 1 s (6666 pts)'. The 'Measure' menu is open, showing options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'.

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26.9. Occupied Bandwidth for SA(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	18.75	20	Pass

Agilent
Measure

Ch Freq 2.61 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
10

dB/
Offst

11.7
dB

Center 2.610 000 GHz
Span 40 MHz

#Res BW 30 kHz
#VBW 1 MHz
#Sweep 1 s (6666 pts)

Occupied Bandwidth

18.1736 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -30.030 kHz

x dB Bandwidth 18.752 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

26.10. Occupied Bandwidth for SA(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	28.11	30.43	30	Pass

Agilent

Ch Freq 2.585 GHz Ext Ref
 Occupied Bandwidth Trig Free
 Averages: 1

Ref 30 dBm #Atten 30 dB

Center 2.585 00 GHz Span 60 MHz
 #Res BW 1 MHz #VBW 3 MHz #Sweep 1 s (401 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
28.1083 MHz	x dB	-26.00 dB
Transmit Freq Error	-38.474 kHz	
x dB Bandwidth	30.427 MHz	

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Measure

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

26.11. Occupied Bandwidth for SA(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	28.11	30.43	30	Pass

Agilent
Measure

Ch Freq 2.595 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
Ext Ref

10

dB/

Offst

11.7

dB

Center 2.595 00 GHz
Span 60 MHz

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

Occupied Bandwidth
Occ BW % Pwr 99.00 %

28.1082 MHz
x dB -26.00 dB

Transmit Freq Error -36.593 kHz

x dB Bandwidth 30.431 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

26.12. Occupied Bandwidth for SA(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	28.12	30.58	30	Pass

Agilent
Measure

Ch Freq 2.605 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
dB/

10
Offst

11.6
dB

Center 2.605 00 GHz
Span 60 MHz

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

Occupied Bandwidth
Occ BW % Pwr 99.00 %

28.1228 MHz
x dB -26.00 dB

Transmit Freq Error -57.593 kHz

x dB Bandwidth 30.580 MHz

Power Stat CCDF

More
1 of 2

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26.13. Occupied Bandwidth for SA(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	38.02	40.56	40	Pass

Agilent
Measure

Ch Freq 2.59 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
Ext Ref

10

dB/

Offst

11.7

dB

Center 2.590 0 GHz
Span 80 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
38.0225 MHz	x dB -26.00 dB
Transmit Freq Error	-27.900 kHz
x dB Bandwidth	40.558 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

26.14. Occupied Bandwidth for SA(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	38.03	40.58	40	Pass

Agilent

Measure

Ch Freq 2.595 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
dB/

10
Offst

11.7
dB

Center 2.595 0 GHz
Span 80 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
38.0292 MHz	x dB -26.00 dB
Transmit Freq Error	-36.416 kHz
x dB Bandwidth	40.579 MHz

Power Stat
CCDF

More
1 of 2

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26.15. Occupied Bandwidth for SA(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	38.01	40.62	40	Pass

Agilent
Measure

Ch Freq 2.6 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
10

dB/
Offst

11.6
dB

Center 2.600 0 GHz
Span 80 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
38.0142 MHz	x dB -26.00 dB
Transmit Freq Error	-45.078 kHz
x dB Bandwidth	40.619 MHz

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Meas Off

Channel Power

Occupied BW

ACP

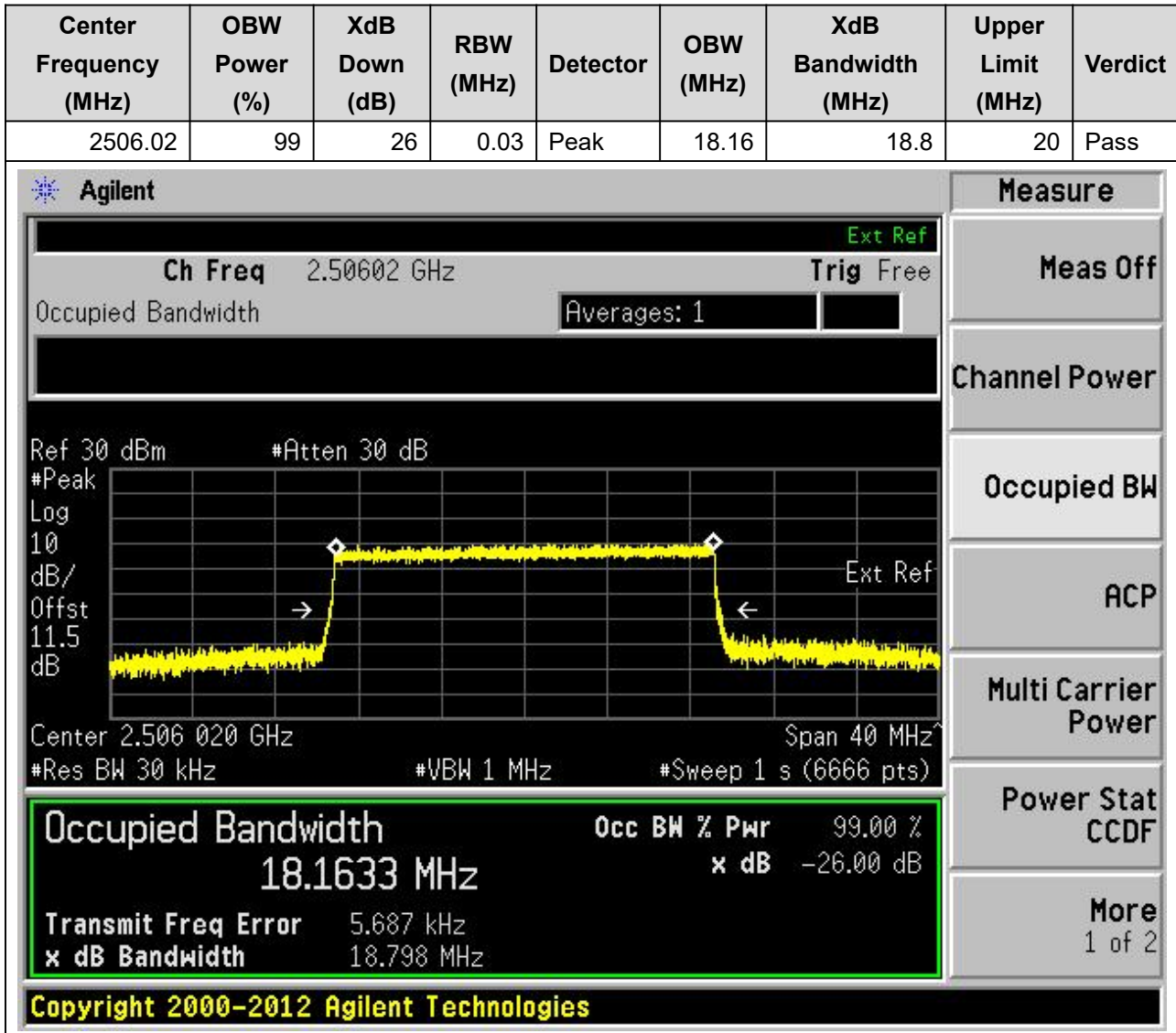
Multi Carrier Power

Power Stat CCDF

More
1 of 2

27. n41

27.1. Occupied Bandwidth for SA(NTNV)(Channel:501204, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:51, RB Position:0)



27.2. Occupied Bandwidth for SA(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

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The center frequency is 2.59299 GHz, and the span is 40 MHz. The occupied bandwidth is measured as 18.1704 MHz, which is 99.00% of the channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -21.435 kHz, and the XdB bandwidth is 18.764 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 %
18.1704 MHz	x dB	-26.00 dB
Transmit Freq Error		-21.435 kHz
x dB Bandwidth		18.764 MHz

27.3. Occupied Bandwidth for SA(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	18.79	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 2.67999 GHz with a span of 40 MHz. The signal level is approximately 11.7 dB. The occupied bandwidth is measured as 18.1733 MHz, which is 99.00% of the channel bandwidth. The XdB bandwidth is 18.795 MHz, and the XdB down is -26.00 dB. The transmit frequency error is -33.712 kHz. The interface includes various measurement controls and a 'Measure' menu on the right side.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
18.1733 MHz	x dB	-26.00 dB
Transmit Freq Error		-33.712 kHz
x dB Bandwidth		18.795 MHz

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27.4. Occupied Bandwidth for SA(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	30.5	30	Pass

Agilent
Measure

Ch Freq 2.511 GHz
Ext Ref

Occupied Bandwidth
Trig Free

Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
11.5

dB
Ext Ref

Center 2.511 00 GHz
Span 60 MHz

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

Occupied Bandwidth
Occ BW % Pwr 99.00 %

28.1360 MHz
x dB -26.00 dB

Transmit Freq Error 34.730 kHz

x dB Bandwidth 30.499 MHz

Power Stat CCDF

More

1 of 2

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27.5. Occupied Bandwidth for SA(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	30.4	30	Pass

Agilent
Measure

Ch Freq 2.59299 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
dB/

10
Offst

11.7
dB

Center 2.592 99 GHz
Span 60 MHz

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

Occupied Bandwidth
Occ BW % Pwr 99.00 %

28.1762 MHz
x dB -26.00 dB

Transmit Freq Error -25.813 kHz

x dB Bandwidth 30.404 MHz

Power Stat CCDF

More
1 of 2

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27.6. Occupied Bandwidth for SA(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	28.09	30.41	30	Pass

Agilent
Measure

Ch Freq 2.67498 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
Ext Ref

10

dB/

Offst

11.7

dB

Center 2.674 98 GHz
Span 60 MHz

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

Occupied Bandwidth
Occ BW % Pwr 99.00 %

28.0852 MHz
x dB -26.00 dB

Transmit Freq Error -80.303 kHz

x dB Bandwidth 30.413 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

27.7. Occupied Bandwidth for SA(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	38.05	40.72	40	Pass

Agilent
Measure

Ch Freq 2.51601 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
10

dB/
Offst

11.4
dB

Center 2.516 0 GHz
Span 80 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
38.0478 MHz	x dB -26.00 dB
Transmit Freq Error 111.987 kHz	
x dB Bandwidth 40.718 MHz	

Power Stat CCDF
More

1 of 2

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27.8. Occupied Bandwidth for SA(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	38.04	40.68	40	Pass

Agilent
Measure

Ch Freq 2.59299 GHz
Ext Ref

Occupied Bandwidth
Trig Free

Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log

10

dB/

Offst

11.7

dB

Center 2.593 0 GHz
Span 80 MHz

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

Occupied Bandwidth
Occ BW % Pwr 99.00 %

38.0415 MHz
x dB -26.00 dB

Transmit Freq Error -8.683 kHz

x dB Bandwidth 40.680 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

27.9. Occupied Bandwidth for SA(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	37.98	40.59	40	Pass

Agilent
Measure

Ch Freq 2.67 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
Ext Ref

10

dB/

Offst

11.7

dB

Center 2.670 0 GHz
Span 80 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
37.9838 MHz	x dB -26.00 dB
Transmit Freq Error -74.007 kHz	
x dB Bandwidth 40.588 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

27.10. Occupied Bandwidth for SA(NTNV)(Channel:504204, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:133, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2521.02	99	26	1	Peak	47.37	50.16	50	Pass

Agilent
Measure

Ch Freq 2.52102 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
10

dB/
Offst

11.4
dB

Center 2.521 02 GHz
Span 100 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
47.3708 MHz	x dB -26.00 dB
Transmit Freq Error 50.352 kHz	
x dB Bandwidth 50.162 MHz	

Power Stat
CCDF

More
1 of 2

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27.11. Occupied Bandwidth for SA(NTNV)(Channel:518598, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:133, 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	47.55	50.27	50	Pass

Agilent
Measure

Ch Freq 2.59299 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 2.592 99 GHz Span 100 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
47.5514 MHz	x dB -26.00 dB
Transmit Freq Error	-7.426 kHz
x dB Bandwidth	50.274 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

27.12. Occupied Bandwidth for SA(NTNV)(Channel:532998, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:133, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2664.99	99	26	1	Peak	47.44	50.17	50	Pass

Agilent

Measure

Ch Freq 2.66499 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
Ext Ref

10

dB/

Offst

11.7

dB

Center 2.664 99 GHz
Span 100 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
47.4372 MHz	x dB	-26.00 dB
Transmit Freq Error		-74.391 kHz
x dB Bandwidth		50.175 MHz

Power Stat
More

CCDF
1 of 2

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27.13. Occupied Bandwidth for SA(NTNV)(Channel:505200, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:162, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2526	99	26	1	Peak	57.62	60.58	60	Pass

Agilent

Measure

Ch Freq 2.526 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
Ext Ref

10

dB/

Offst

11.5

dB

Center 2.526 00 GHz
Span 120 MHz

#Res BW 1 MHz
#VBW 3 MHz
#Sweep 1 s (600 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
57.6166 MHz	x dB -26.00 dB
Transmit Freq Error 40.116 kHz	
x dB Bandwidth 60.580 MHz	

Power Stat
More

CCDF
1 of 2

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27.14. Occupied Bandwidth for SA(NTNV)(Channel:518598, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:162, 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	57.82	60.64	60	Pass

Agilent
Measure

Ch Freq 2.59299 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 2.592 99 GHz Span 120 MHz
 #Res BW 1 MHz #VBW 3 MHz #Sweep 1 s (600 pts)

Occupied Bandwidth

57.8224 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -35.646 kHz

x dB Bandwidth 60.644 MHz

More
1 of 2

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27.15. Occupied Bandwidth for SA(NTNV)(Channel:531996, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:162, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2659.98	99	26	1	Peak	57.68	60.6	60	Pass

Agilent
Measure

Ch Freq 2.65998 GHz Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

Center 2.659 98 GHz Span 120 MHz

#Res BW 1 MHz #VBW 3 MHz #Sweep 1 s (600 pts)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

Occupied Bandwidth

57.6817 MHz

Transmit Freq Error -100.575 kHz

x dB Bandwidth 60.598 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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27.16. Occupied Bandwidth for SA(NTNV)(Channel:506202, Bandwidth:70, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:189, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2531.01	99	26	1	Peak	67.22	70.24	70	Pass

Agilent
Measure

Ch Freq 2.53101 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
dB/

10
Offst

11.5
dB

Center 2.531 01 GHz
Span 140 MHz

#Res BW 1 MHz
#VBW 3 MHz
#Sweep 1 s (700 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
67.2166 MHz	x dB -26.00 dB
Transmit Freq Error	-25.453 kHz
x dB Bandwidth	70.244 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

27.17. Occupied Bandwidth for SA(NTNV)(Channel:518598, Bandwidth:70, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:189, 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	67.25	70.21	70	Pass

Agilent
Measure

Ch Freq 2.59299 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
Ext Ref

10

dB/

Offst

11.7

dB

Center 2.592 99 GHz
Span 140 MHz

#Res BW 1 MHz
#VBW 3 MHz
#Sweep 1 s (700 pts)

Occupied Bandwidth
Occ BW % Pwr 99.00 %

67.2479 MHz
x dB -26.00 dB

Transmit Freq Error -133.923 kHz

x dB Bandwidth 70.207 MHz

Power Stat CCDF

More

1 of 2

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27.18. Occupied Bandwidth for SA(NTNV)(Channel:531000, Bandwidth:70, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:189, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2655	99	26	1	Peak	67.3	70.29	70	Pass

Agilent
Measure

Ch Freq 2.655 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
dB/

10
Offst

11.7
dB

Center 2.655 00 GHz
Span 140 MHz

#Res BW 1 MHz
#VBW 3 MHz
#Sweep 1 s (700 pts)

Occupied Bandwidth
Occ BW % Pwr 99.00 %

67.3013 MHz
x dB -26.00 dB

Transmit Freq Error -171.374 kHz

x dB Bandwidth 70.293 MHz

Power Stat CCDF

More
1 of 2

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27.19. Occupied Bandwidth for SA(NTNV)(Channel:507204, Bandwidth:80, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:217, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2536.02	99	26	1	Peak	77.3	80.31	80	Pass

Agilent
Measure

Ch Freq 2.53602 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.5 dB

Center 2.536 02 GHz Span 160 MHz

#Res BW 1 MHz #VBW 3 MHz #Sweep 1 s (800 pts)

Occupied Bandwidth Occ BW % Pwr 99.00 %

77.3045 MHz x dB -26.00 dB

Transmit Freq Error 73.513 kHz

x dB Bandwidth 80.307 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

27.20. Occupied Bandwidth for SA(NTNV)(Channel:518598, Bandwidth:80, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:217, 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	77.33	80.36	80	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

11.7
dB

Center 2.592 99 GHz
Span 160 MHz

#Res BW 1 MHz
#VBW 3 MHz
#Sweep 1 s (800 pts)

Occupied Bandwidth
Occ BW % Pwr 99.00 %

77.3291 MHz
x dB -26.00 dB

Transmit Freq Error -62.200 kHz

x dB Bandwidth 80.358 MHz

Power Stat CCDF

More
1 of 2

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27.21. Occupied Bandwidth for SA(NTNV)(Channel:529998, Bandwidth:80, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:217, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2649.99	99	26	1	Peak	77.39	80.42	80	Pass

Agilent
Measure

Ch Freq 2.64999 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
dB/

10
Offst

11.6
dB

Center 2.649 99 GHz
Span 160 MHz

#Res BW 1 MHz
#VBW 3 MHz
#Sweep 1 s (800 pts)

Occupied Bandwidth
Occ BW % Pwr 99.00 %

77.3859 MHz
x dB -26.00 dB

Transmit Freq Error -116.873 kHz

x dB Bandwidth 80.423 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

27.22. Occupied Bandwidth for SA(NTNV)(Channel:508200, Bandwidth:90, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:245, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2541	99	26	1	Peak	87.1	90.28	90	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is 2.541 GHz. The main display shows a spectrum plot with a yellow trace. The plot is set to a log scale with a resolution bandwidth of 3 MHz and a span of 180 MHz. The trace shows a signal with a peak at approximately 2.541 GHz. The measurement results are displayed in a green-bordered box at the bottom of the plot area:

Occupied Bandwidth	Occ BW % Pwr	99.00 %
87.1036 MHz	x dB	-26.00 dB
Transmit Freq Error	40.920 kHz	
x dB Bandwidth	90.281 MHz	

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

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27.23. Occupied Bandwidth for SA(NTNV)(Channel:518598, Bandwidth:90, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:245, 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	87.24	90.4	90	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

11.7
dB

Center 2.592 99 GHz
Span 180 MHz

#Res BW 1 MHz
#VBW 3 MHz
#Sweep 1 s (900 pts)

Occupied Bandwidth
Occ BW % Pwr 99.00 %

87.2425 MHz
x dB -26.00 dB

Transmit Freq Error -164.033 kHz

x dB Bandwidth 90.398 MHz

Power Stat CCDF

More
1 of 2

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27.24. Occupied Bandwidth for SA(NTNV)(Channel:528996, Bandwidth:90, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:245, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2644.98	99	26	1	Peak	87.28	90.4	90	Pass

Agilent
Measure

Ch Freq 2.64498 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
dB/

10
Offst

11.7
dB

Center 2.644 98 GHz
Span 180 MHz

#Res BW 1 MHz
#VBW 3 MHz
#Sweep 1 s (900 pts)

Occupied Bandwidth
Occ BW % Pwr 99.00 %

87.2751 MHz
x dB -26.00 dB

Transmit Freq Error -193.271 kHz

x dB Bandwidth 90.401 MHz

Power Stat CCDF

More 1 of 2

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27.25. Occupied Bandwidth for SA(NTNV)(Channel:509202, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:273, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2546.01	99	26	1	Peak	97.13	100.42	100	Pass

Agilent
Measure

Ch Freq 2.54601 GHz
Ext Ref

Occupied Bandwidth
Trig Free

Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log 10
 dB/Offst 11.5 dB

Center 2.546 01 GHz
Span 200 MHz

#Res BW 1 MHz
#VBW 3 MHz
#Sweep 1 s (1000 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
97.1274 MHz	x dB	-26.00 dB
Transmit Freq Error	51.627 kHz	
x dB Bandwidth	100.420 MHz	

Power Stat CCDF
More

1 of 2

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27.26. Occupied Bandwidth for SA(NTNV)(Channel:518598, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:273, 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	97.22	100.55	100	Pass

Agilent
Measure

Ch Freq 2.59299 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 2.592 99 GHz Span 200 MHz
 #Res BW 1 MHz #VBW 3 MHz #Sweep 1 s (1000 pts)

Occupied Bandwidth Occ BW % Pwr 99.00 %
97.2204 MHz x dB -26.00 dB

Transmit Freq Error -88.249 kHz
 x dB Bandwidth 100.551 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

27.27. Occupied Bandwidth for SA(NTNV)(Channel:528000, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:273, RB Position:0)

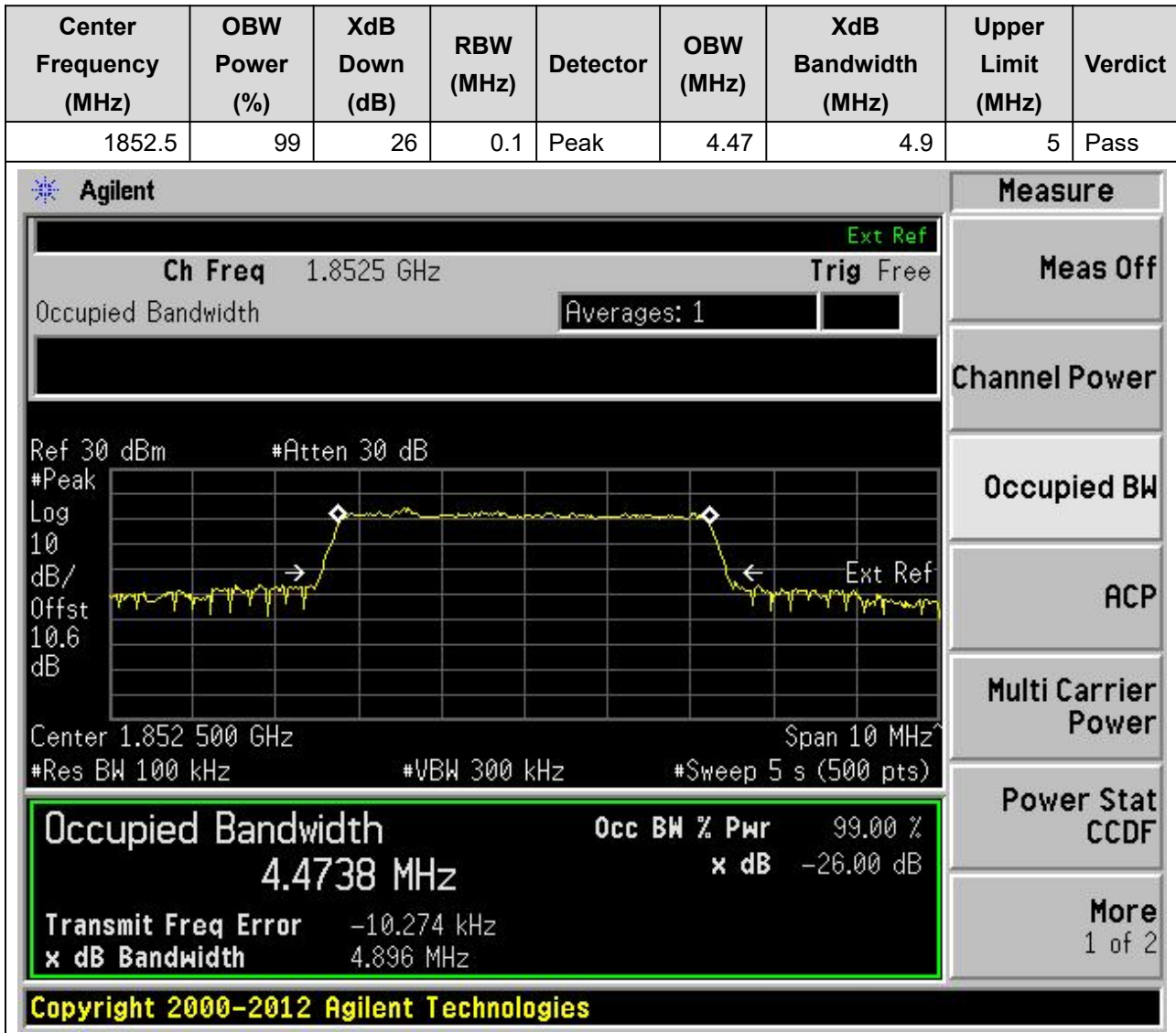
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2640	99	26	1	Peak	97.26	100.6	100	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The plot is centered at 2.64 GHz with a span of 200 MHz. The y-axis is labeled 'Log 10 dB/Offst 11.7 dB'. The plot shows a signal with a peak at approximately 2.64 GHz. The 'Occupied Bandwidth' is highlighted in a green box at the bottom of the screen, showing a value of 97.2594 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is -191.529 kHz and the 'x dB Bandwidth' is 100.600 MHz. The 'Copyright 2000-2012 Agilent Technologies' is displayed at the bottom.

Occupied Bandwidth	Occ BW % Pwr	x dB
97.2594 MHz	99.00 %	-26.00 dB

28. n2 15kHz

28.1. Occupied Bandwidth for SA(NTNV)(Channel:370500, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:25, RB Position:0)



28.2. Occupied Bandwidth for SA(NTNV)(Channel:376000, 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
1880	99	26	0.1	Peak	4.5	4.96	5	Pass

Agilent
Measure

Ch Freq 1.88 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
10

dB/
Offst

10.6
dB

Center 1.880 000 GHz
Span 10 MHz

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

Occupied Bandwidth
Occ BW % Pwr 99.00 %

4.4987 MHz
x dB -26.00 dB

Transmit Freq Error -20.448 kHz

x dB Bandwidth 4.959 MHz

Power Stat CCDF

More
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28.3. Occupied Bandwidth for SA(NTNV)(Channel:381500, 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
1907.5	99	26	0.1	Peak	4.48	4.93	5	Pass

Agilent
Measure

Ch Freq 1.9075 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
10

dB/
Offst

10.6
dB

Center 1.907 500 GHz
Span 10 MHz

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

Occupied Bandwidth

4.4751 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -13.783 kHz

x dB Bandwidth 4.929 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

28.4. Occupied Bandwidth for SA(NTNV)(Channel:371000, 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
1855	99	26	0.03	Peak	9.26	9.63	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 1.855 GHz' and 'Trig Free'. The main display area shows a spectrum plot with a yellow signal trace. The plot is set to 'Log' scale with a resolution bandwidth of 30 kHz and a video bandwidth of 1 MHz. The signal level is approximately 10 dBm. The 'Occupied Bandwidth' measurement is highlighted in a green box, showing a value of 9.2581 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is -4.651 kHz and the 'x dB Bandwidth' is 9.626 MHz. The 'Upper Limit' is 10 MHz and the 'Verdict' is 'Pass'. The bottom of the screen shows the copyright notice 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
9.2581 MHz	99.00 %	-26.00 dB

28.5. Occupied Bandwidth for SA(NTNV)(Channel:376000, 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
1880	99	26	0.03	Peak	9.26	9.65	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	9.2614 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-7.493 kHz
x dB Bandwidth	9.651 MHz

Additional parameters shown in the interface include: Ch Freq 1.88 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 10.6 dB, Center 1.880 000 GHz, Span 20 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 5 s (3333 pts).

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28.6. Occupied Bandwidth for SA(NTNV)(Channel:381000, 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
1905	99	26	0.03	Peak	9.26	9.61	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The center frequency is 1.905 GHz, and the span is 20 MHz. The occupied bandwidth is measured as 9.2629 MHz, which is 99.00% of the channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -15.154 kHz, and the XdB bandwidth is 9.613 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 %
9.2629 MHz	x dB	-26.00 dB
Transmit Freq Error		-15.154 kHz
x dB Bandwidth		9.613 MHz

28.7. Occupied Bandwidth for SA(NTNV)(Channel:371500, 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
1857.5	99	26	0.03	Peak	14.06	14.51	15	Pass

Agilent

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

Ch Freq 1.8575 GHz
Ext Ref

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
Span 30 MHz

10
#Res BW 30 kHz

dB/
#VBW 1 MHz

Offst
#Sweep 5 s (5000 pts)

10.6

dB

Center 1.857 500 GHz
Span 30 MHz

Occupied Bandwidth	Occ BW % Pwr 99.00 %
14.0620 MHz	x dB -26.00 dB
Transmit Freq Error	-8.922 kHz
x dB Bandwidth	14.505 MHz

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28.8. Occupied Bandwidth for SA(NTNV)(Channel:376000, 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
1880	99	26	0.03	Peak	14.07	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 1.88 GHz, and the span is 30 MHz. The occupied bandwidth is measured as 14.0655 MHz, which is 99.00% of the 14.48 MHz channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -9.202 kHz. The interface includes various measurement controls and a list of available measurement functions on the right side.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
14.0655 MHz	x dB	-26.00 dB
Transmit Freq Error	-9.202 kHz	
x dB Bandwidth	14.480 MHz	

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28.9. Occupied Bandwidth for SA(NTNV)(Channel:380500, 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
1902.5	99	26	0.03	Peak	14.06	14.5	15	Pass

Agilent
Measure

Ch Freq 1.9025 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
10

dB/
Offst

10.6
dB

Center 1.902 500 GHz
Span 30 MHz

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

Occupied Bandwidth
Occ BW % Pwr 99.00 %

14.0620 MHz
x dB -26.00 dB

Transmit Freq Error -25.475 kHz

x dB Bandwidth 14.503 MHz

Power Stat CCDF

More
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28.10. Occupied Bandwidth for SA(NTNV)(Channel:372000, 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
1860	99	26	0.03	Peak	18.87	19.34	20	Pass

Agilent

Measure

Ch Freq 1.86 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
Ext Ref

10

dB/

Offst

10.6

dB

Center 1.860 000 GHz
Span 40 MHz

#Res BW 30 kHz
#VBW 1 MHz
#Sweep 5 s (6666 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
18.8696 MHz	x dB -26.00 dB
Transmit Freq Error	-8.802 kHz
x dB Bandwidth	19.336 MHz

Power Stat
More

CCDF
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28.11. Occupied Bandwidth for SA(NTNV)(Channel:376000, 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
1880	99	26	0.03	Peak	18.87	19.41	20	Pass

Agilent
Measure

Ch Freq 1.88 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
10

dB/
Offst

10.6
dB

Center 1.880 000 GHz
Span 40 MHz

#Res BW 30 kHz
#VBW 1 MHz
#Sweep 5 s (6666 pts)

Occupied Bandwidth
Occ BW % Pwr 99.00 %

18.8709 MHz
x dB -26.00 dB

Transmit Freq Error -10.424 kHz

x dB Bandwidth 19.406 MHz

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Meas Off

Channel Power

Occupied BW

ACP

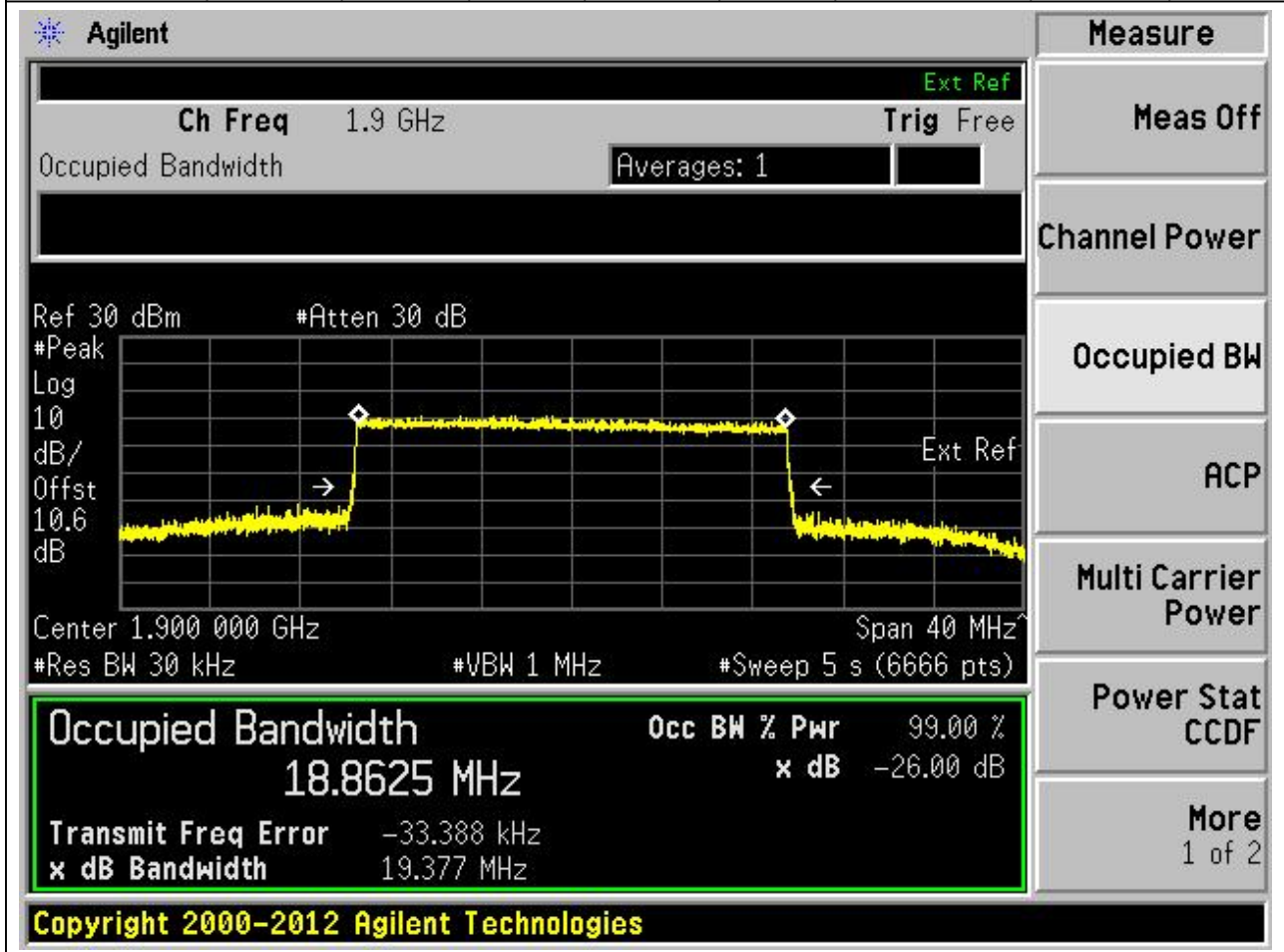
Multi Carrier Power

Power Stat CCDF

More
1 of 2

28.12. Occupied Bandwidth for SA(NTNV)(Channel:380000, 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
1900	99	26	0.03	Peak	18.86	19.38	20	Pass



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