

30.12. Occupied Bandwidth for SA_Part22-24-27(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	47.52	50.52	50	Pass

Agilent
Measure

Ch Freq 2.66499 GHz Trig Free

Occupied Bandwidth Averages: 1

Ext Ref

Ref 30 dBm #Atten 30 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 %
47.5155 MHz	x dB	-26.00 dB
Transmit Freq Error	-94.896 kHz	
x dB Bandwidth	50.515 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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30.13. Occupied Bandwidth for SA_Part22-24-27(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	57.73	60.9	60	Pass

Agilent
Measure

Ch Freq 2.526 GHz Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.2 dB

Center 2.526 00 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

57.7309 MHz

Occ BW % Pwr

99.00 %

x dB

-26.00 dB

Transmit Freq Error 92.131 kHz

x dB Bandwidth 60.897 MHz

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30.14. Occupied Bandwidth for SA_Part22-24-27(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	60.82	60	Pass

Agilent
Measure

Ch Freq 2.59299 GHz Trig Free

Occupied Bandwidth Averages: 1

Ext Ref

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	Occ BW % Pwr	99.00 %
57.8236 MHz	x dB	-26.00 dB
Transmit Freq Error	-61.693 kHz	
x dB Bandwidth	60.816 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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30.15. Occupied Bandwidth for SA_Part22-24-27(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	57.7	60.75	60	Pass

Agilent
Measure

Ch Freq 2.65998 GHz Trig Free

Occupied Bandwidth Averages: 1

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

57.7030 MHz

Transmit Freq Error -148.133 kHz

x dB Bandwidth 60.751 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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30.16. Occupied Bandwidth for SA_Part22-24-27(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	67.31	70.78	70	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 2.53101 GHz. The plot parameters are: Center 2.531 01 GHz, Span 140 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 1 s (700 pts). The plot shows a signal with a peak level of approximately 11.2 dB above the noise floor. The signal is bounded by two vertical lines, and the area between them is highlighted in green. The signal level is 99.00% and the XdB Bandwidth is -26.00 dB. The plot also shows a reference level of 30 dBm and an attenuation of 30 dB. The plot is titled 'Occupied Bandwidth' and shows a signal centered at 2.53101 GHz. The plot parameters are: Center 2.531 01 GHz, Span 140 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 1 s (700 pts). The plot shows a signal with a peak level of approximately 11.2 dB above the noise floor. The signal is bounded by two vertical lines, and the area between them is highlighted in green. The signal level is 99.00% and the XdB Bandwidth is -26.00 dB. The plot also shows a reference level of 30 dBm and an attenuation of 30 dB.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
67.3108 MHz	x dB	-26.00 dB
Transmit Freq Error	43.317 kHz	
x dB Bandwidth	70.776 MHz	

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30.17. Occupied Bandwidth for SA_Part22-24-27(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	67.48	70.7	70	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 11.3 dB
Center 2.592 99 GHz Span 140 MHz
#Res BW 1 MHz #VBW 3 MHz #Sweep 1 s (700 pts)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

Occupied Bandwidth

67.4780 MHz

Transmit Freq Error -75.993 kHz

x dB Bandwidth 70.697 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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30.18. Occupied Bandwidth for SA_Part22-24-27(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	67.36	70.86	70	Pass

Agilent

Measure

Ch Freq 2.655 GHz

Trig Free

Occupied Bandwidth

Averages: 1

Ref 30 dBm #Atten 30 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 %
67.3562 MHz	x dB	-26.00 dB
Transmit Freq Error	-186.337 kHz	
x dB Bandwidth	70.859 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

30.19. Occupied Bandwidth for SA_Part22-24-27(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	77.25	81.15	80	Pass

Agilent
Measure

Ext Ref

Ch Freq 2.53602 GHz **Trig** Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

#Peak

Log

10

dB/

Offst

11.2

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 %

77.2517 MHz **x dB** -26.00 dB

Transmit Freq Error 104.538 kHz

x dB Bandwidth 81.145 MHz

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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30.20. Occupied Bandwidth for SA_Part22-24-27(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	77.47	80.92	80	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 y-axis is labeled 'dB/Offst' with a value of 11.3 dB. The x-axis is labeled 'Center' with a value of 2.592 99 GHz and a span of 160 MHz. The resolution bandwidth is 1 MHz and the video bandwidth is 3 MHz. The sweep time is 1 s (800 pts). The 'Occupied Bandwidth' measurement is highlighted in a green box, showing a value of 77.4683 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is -60.513 kHz and the 'x dB Bandwidth' is 80.915 MHz. The 'Verdict' is 'Pass'. The 'Copyright 2000-2012 Agilent Technologies' is displayed at the bottom.

30.21. Occupied Bandwidth for SA_Part22-24-27(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	77.31	80.97	80	Pass

Agilent
Measure

Ch Freq 2.64999 GHz Trig Free

Occupied Bandwidth Averages: 1

Ext Ref

Ref 30 dBm #Atten 30 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 %
	x dB	-26.00 dB
Transmit Freq Error	-138.638 kHz	
x dB Bandwidth	80.973 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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30.22. Occupied Bandwidth for SA_Part22-24-27(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	87.15	90.78	90	Pass

Agilent
Measure

Ch Freq 2.541 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 1

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

Ref 30 dBm #Atten 30 dB

Center 2.541 00 GHz Span 180 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
87.1549 MHz	x dB -26.00 dB
Transmit Freq Error	150.920 kHz
x dB Bandwidth	90.783 MHz

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30.23. Occupied Bandwidth for SA_Part22-24-27(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	87.34	90.84	90	Pass

Agilent
Measure

Ch Freq 2.59299 GHz Trig Free

Occupied Bandwidth Averages: 1

Ext Ref

Ref 30 dBm #Atten 30 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 %
87.3429 MHz	x dB	-26.00 dB
Transmit Freq Error	-40.219 kHz	
x dB Bandwidth	90.837 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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30.24. Occupied Bandwidth for SA_Part22-24-27(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	87.16	90.83	90	Pass

Agilent
Measure

Ch Freq 2.64498 GHz Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.4 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 %

87.1613 MHz x dB -26.00 dB

Transmit Freq Error -182.881 kHz

x dB Bandwidth 90.831 MHz

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Meas Off

Channel Power

Occupied BW

ACP

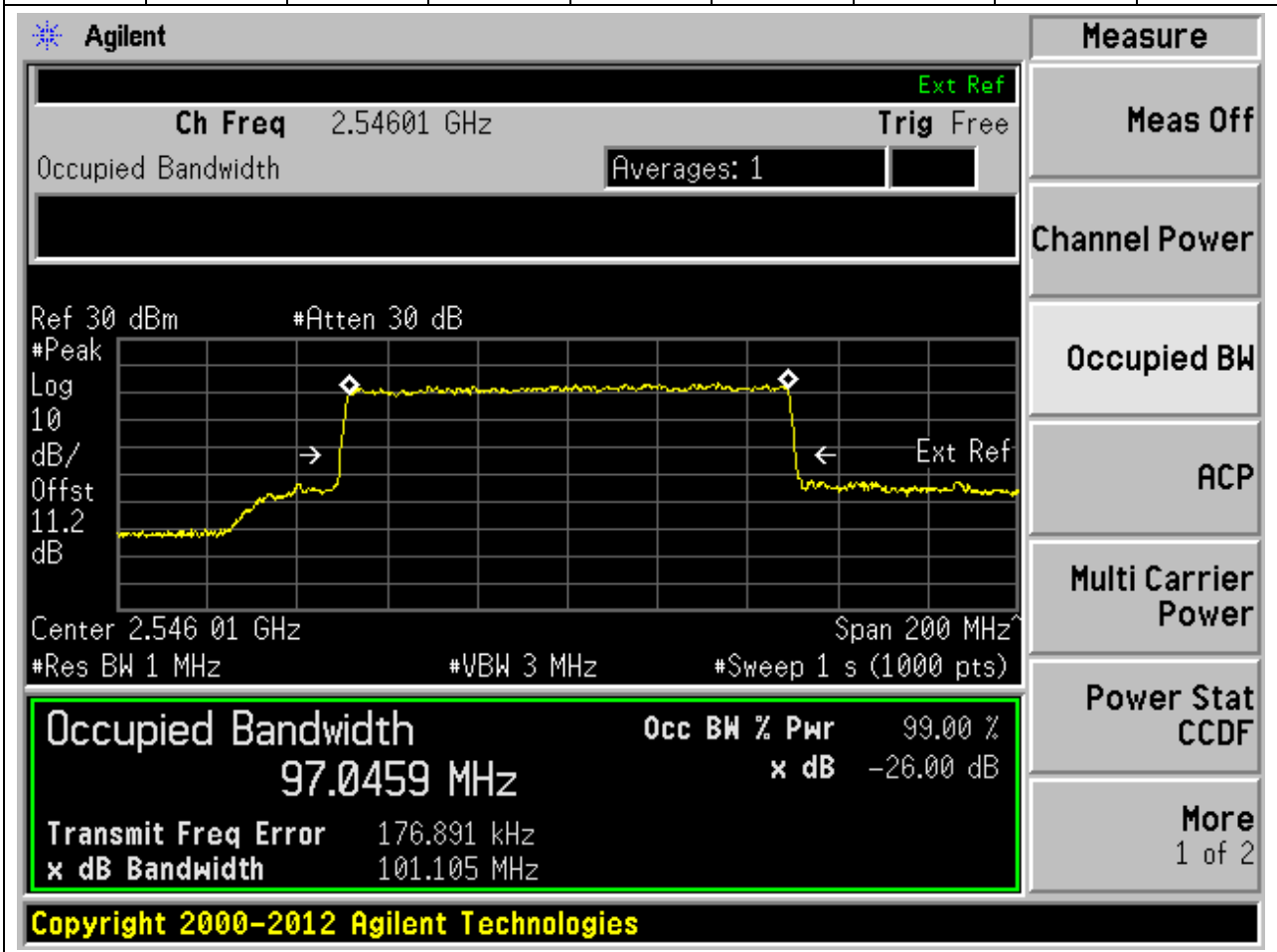
Multi Carrier Power

Power Stat CCDF

More
1 of 2

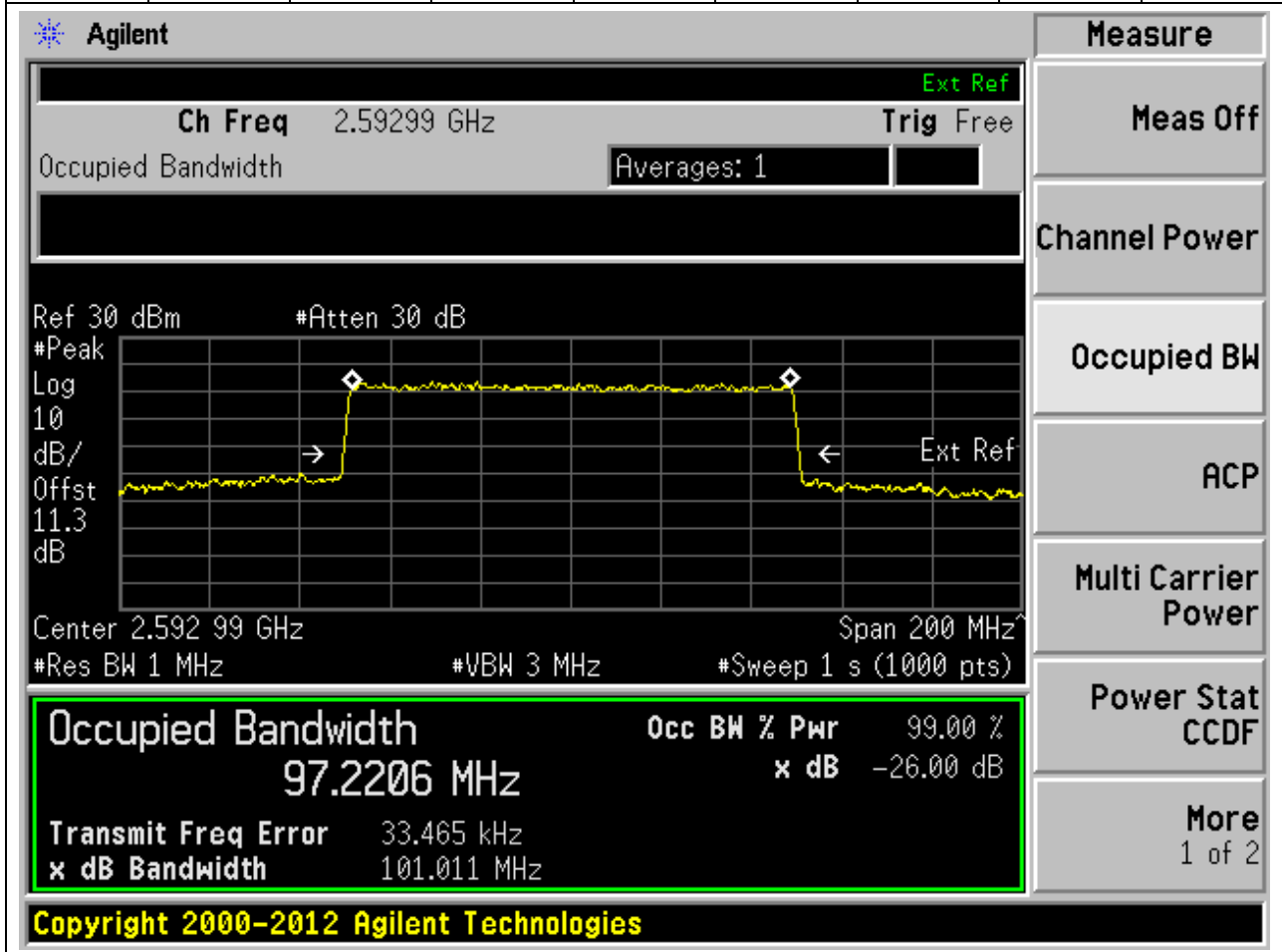
30.25. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:509202, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:273, RB Position:0)

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	97.05	101.1	100	Pass



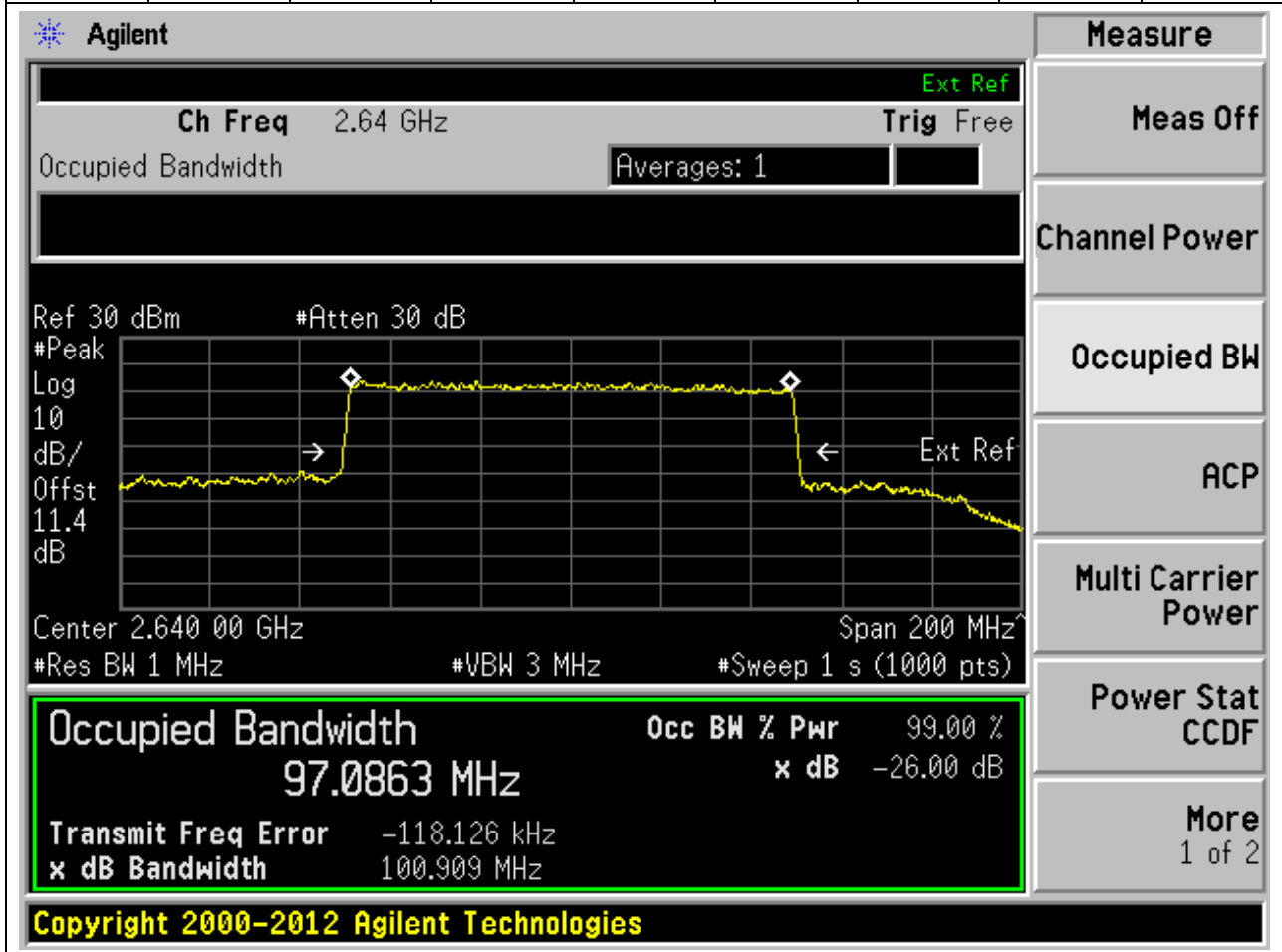
30.26. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:518598, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:273, RB Position:0)

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	101.01	100	Pass



30.27. Occupied Bandwidth for SA_Part22-24-27(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	97.09	100.91	100	Pass



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