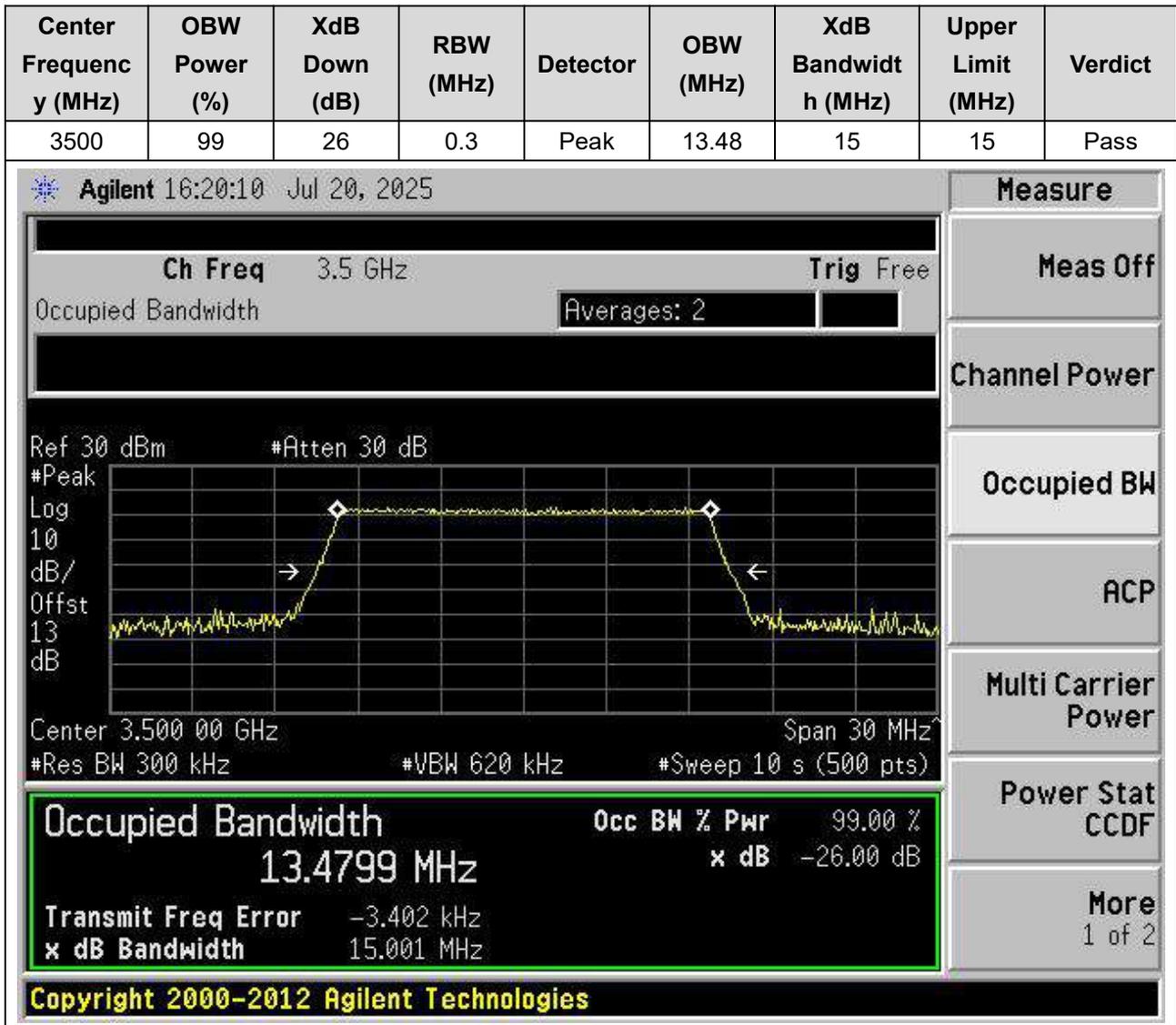
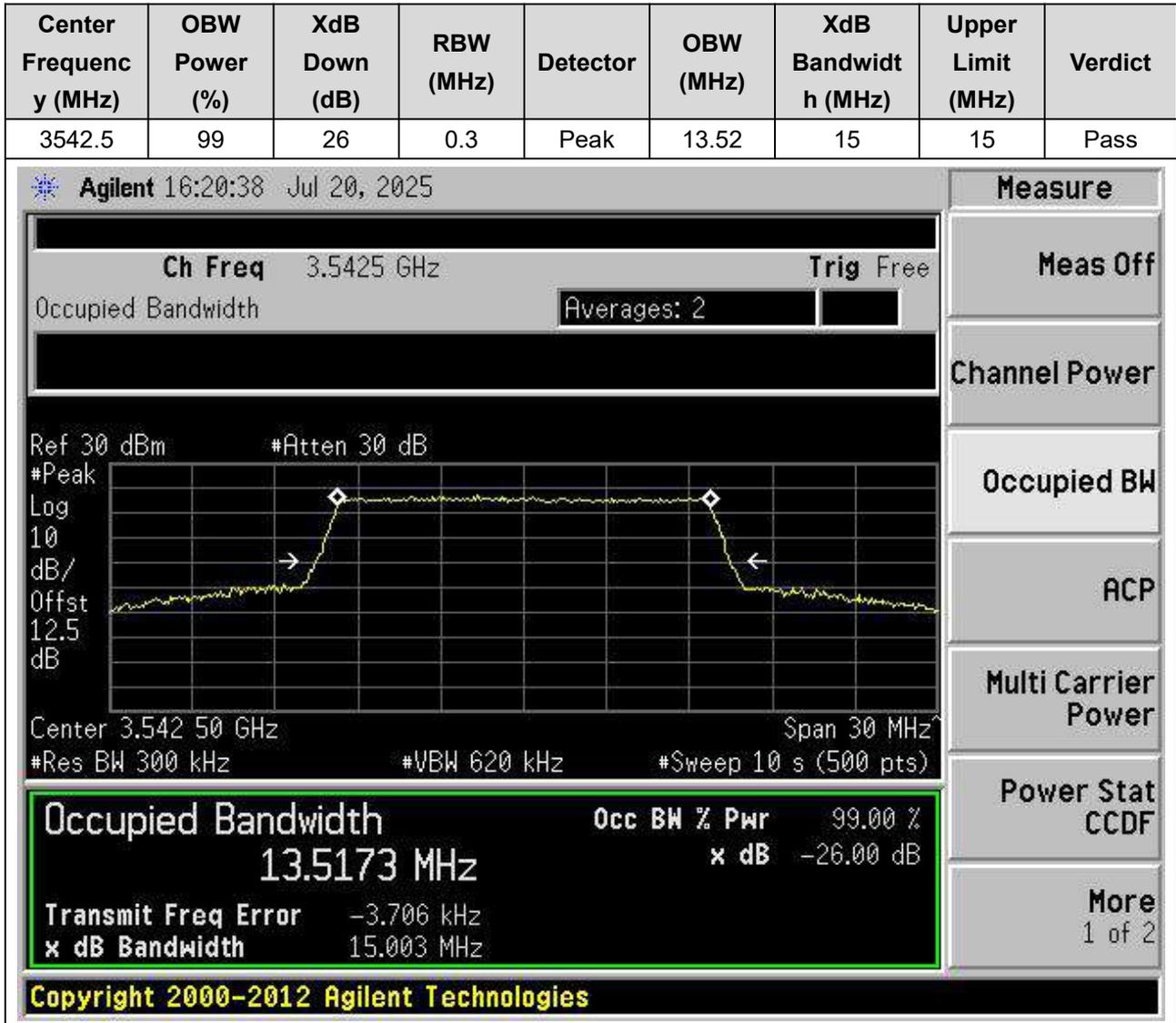


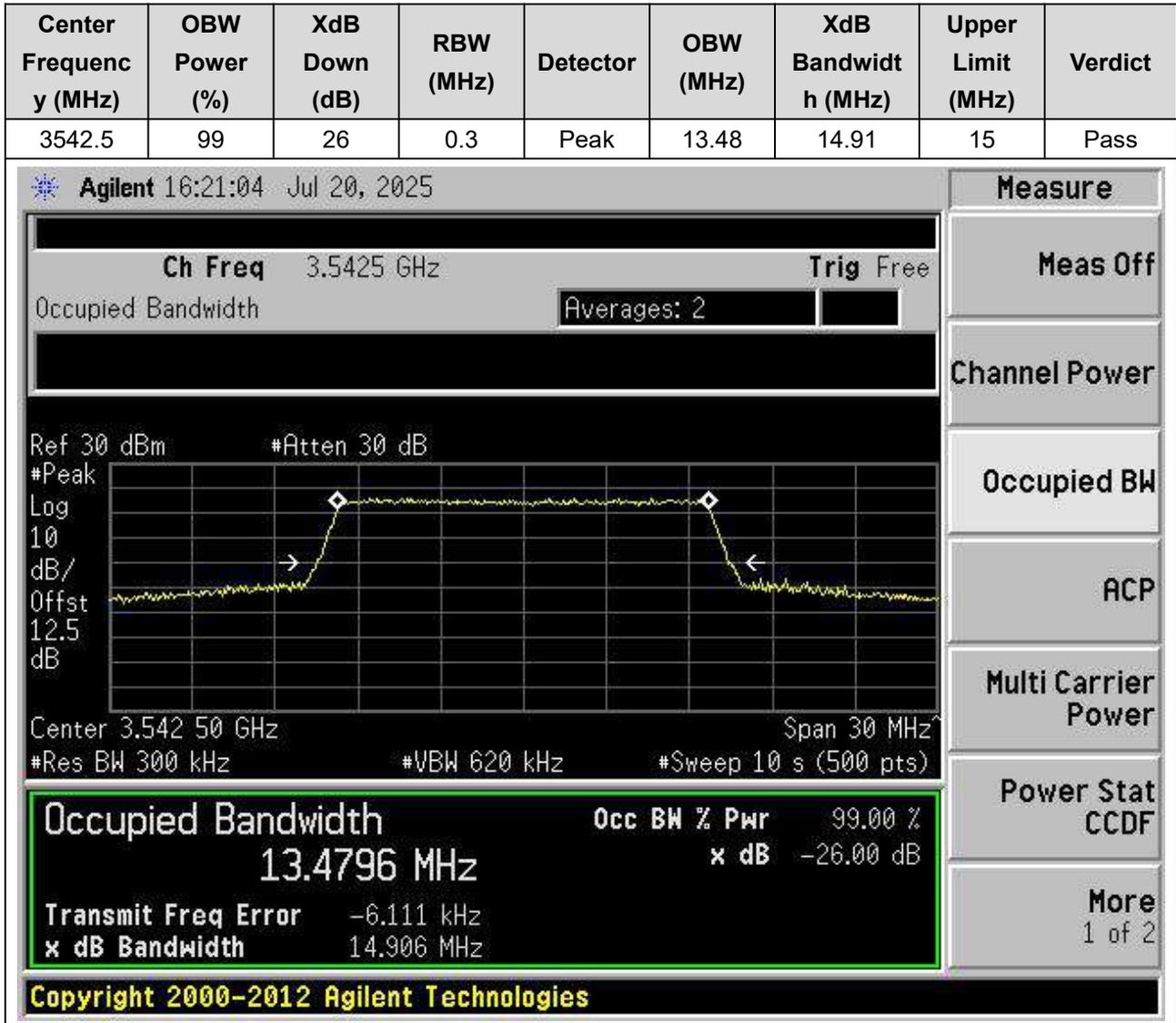
14.32. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:42590, Bandwidth:15, Modulation:256QAM, RB Number:75, RB Position:0)



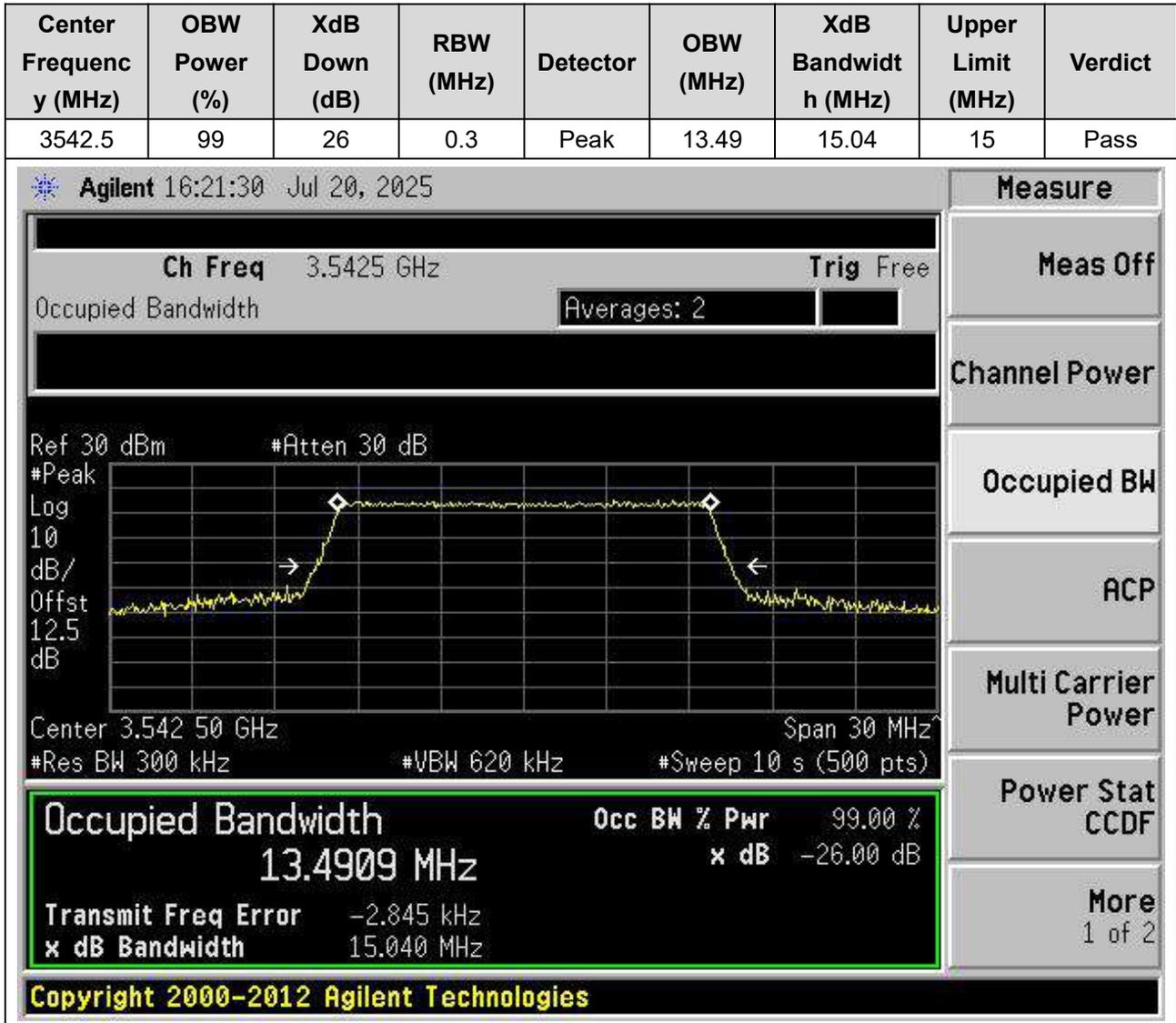
14.33. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:43015, Bandwidth:15, Modulation:QPSK, RB Number:75, RB Position:0)



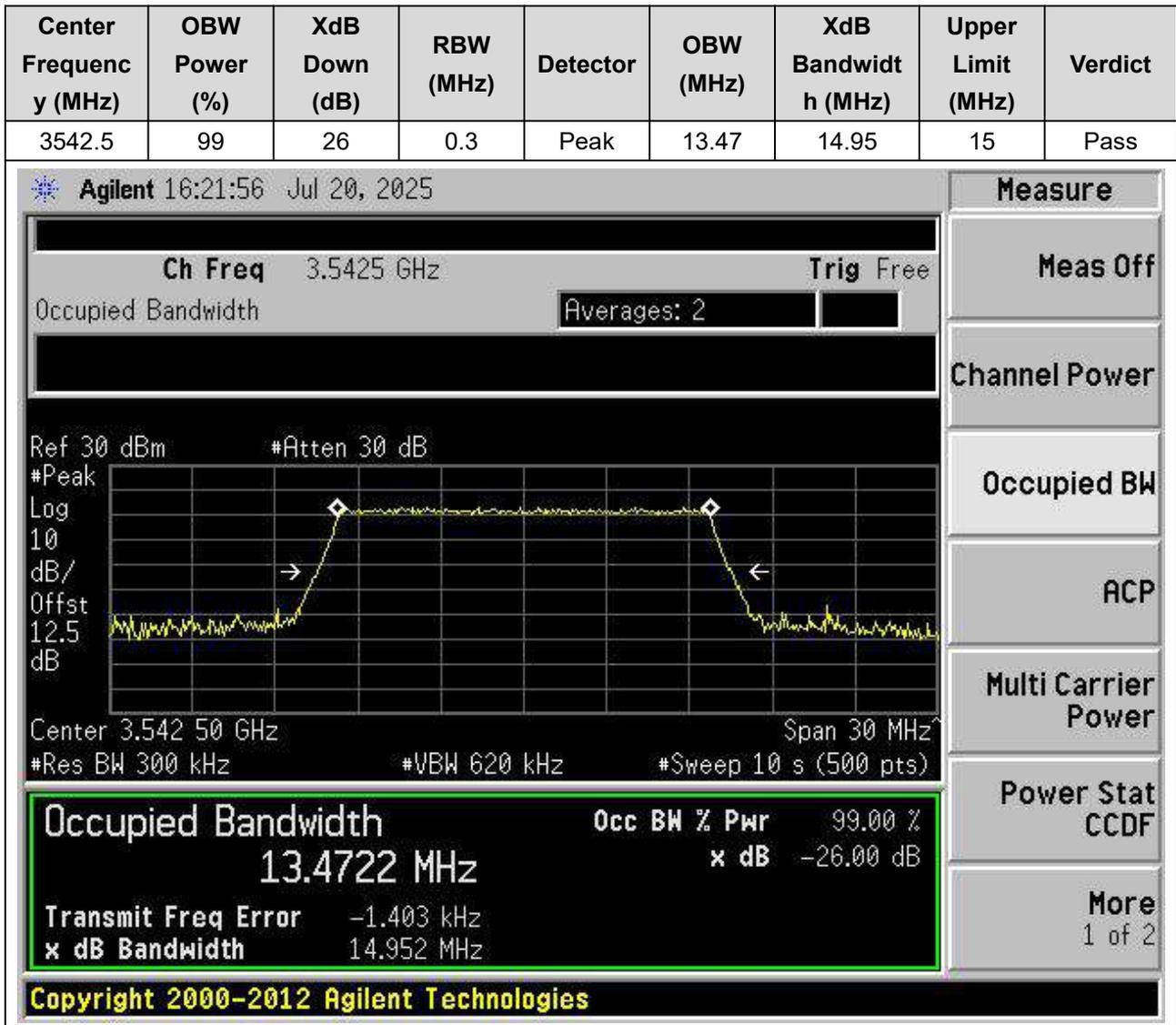
14.34. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:43015, Bandwidth:15, Modulation:16QAM, RB Number:75, RB Position:0)



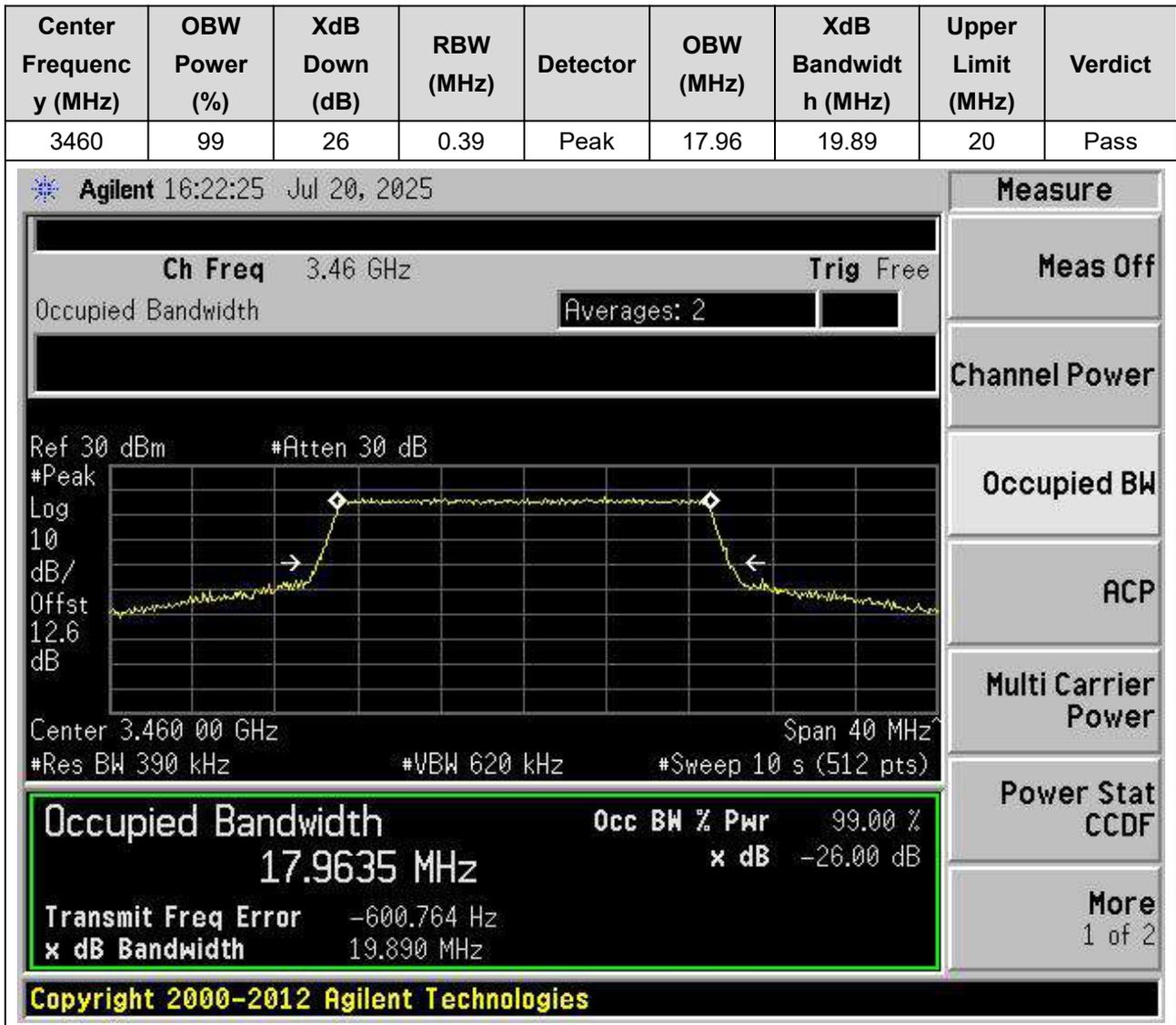
14.35. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:43015, Bandwidth:15, Modulation:64QAM, RB Number:75, RB Position:0)



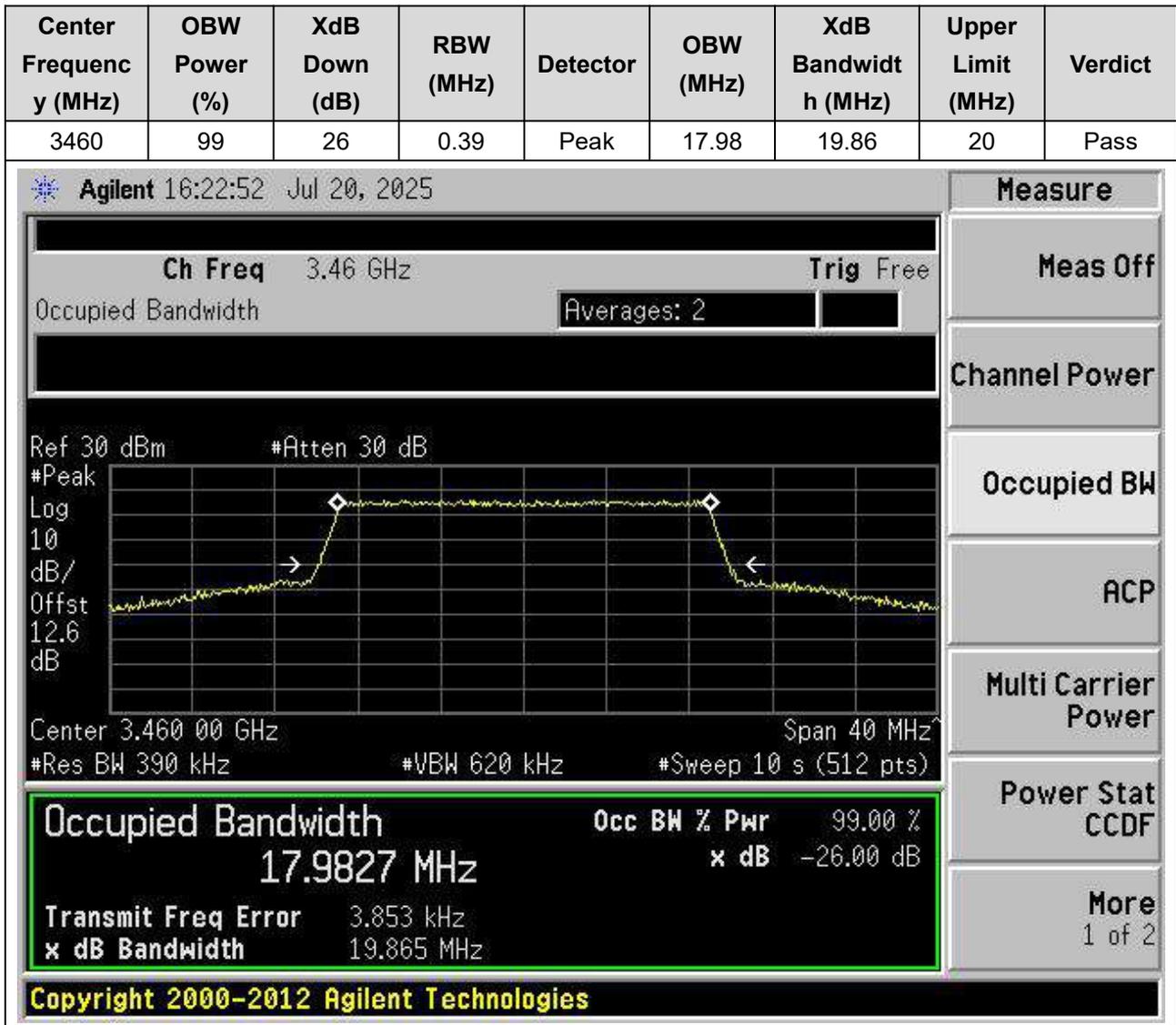
14.36. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:43015, Bandwidth:15, Modulation:256QAM, RB Number:75, RB Position:0)



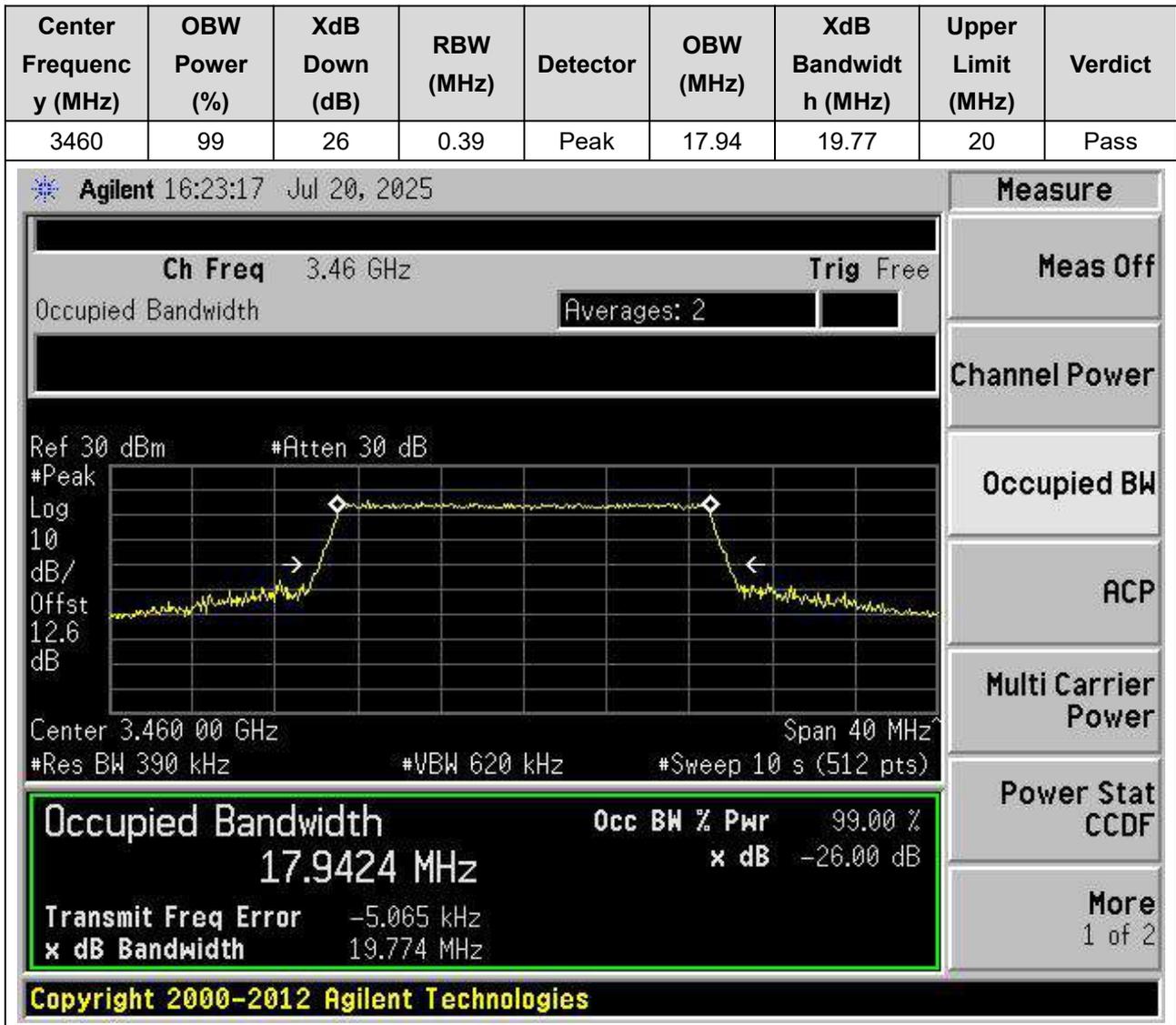
14.37. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:42190, Bandwidth:20, Modulation:QPSK, RB Number:100, RB Position:0)



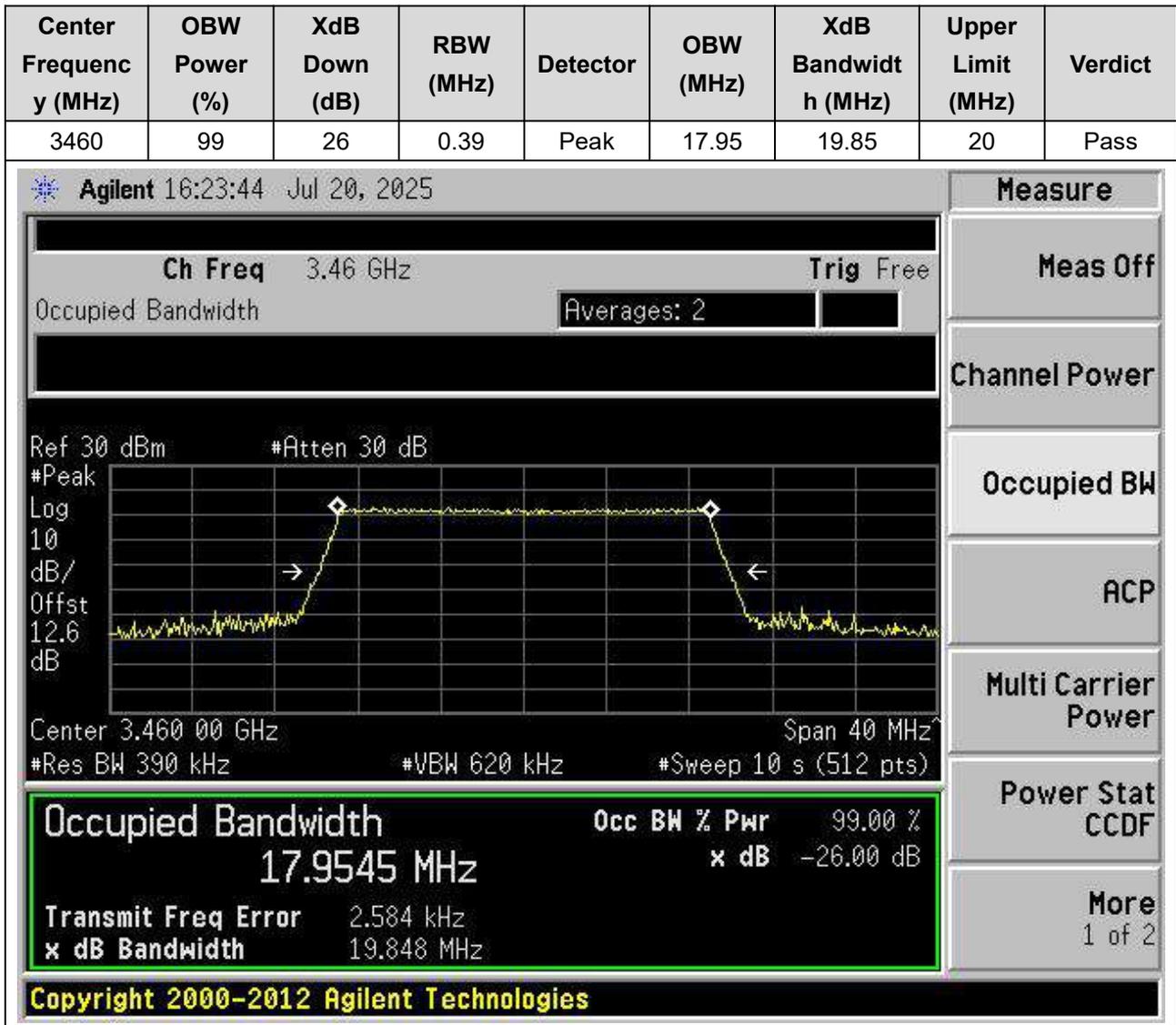
14.38. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:42190, Bandwidth:20, Modulation:16QAM, RB Number:100, RB Position:0)



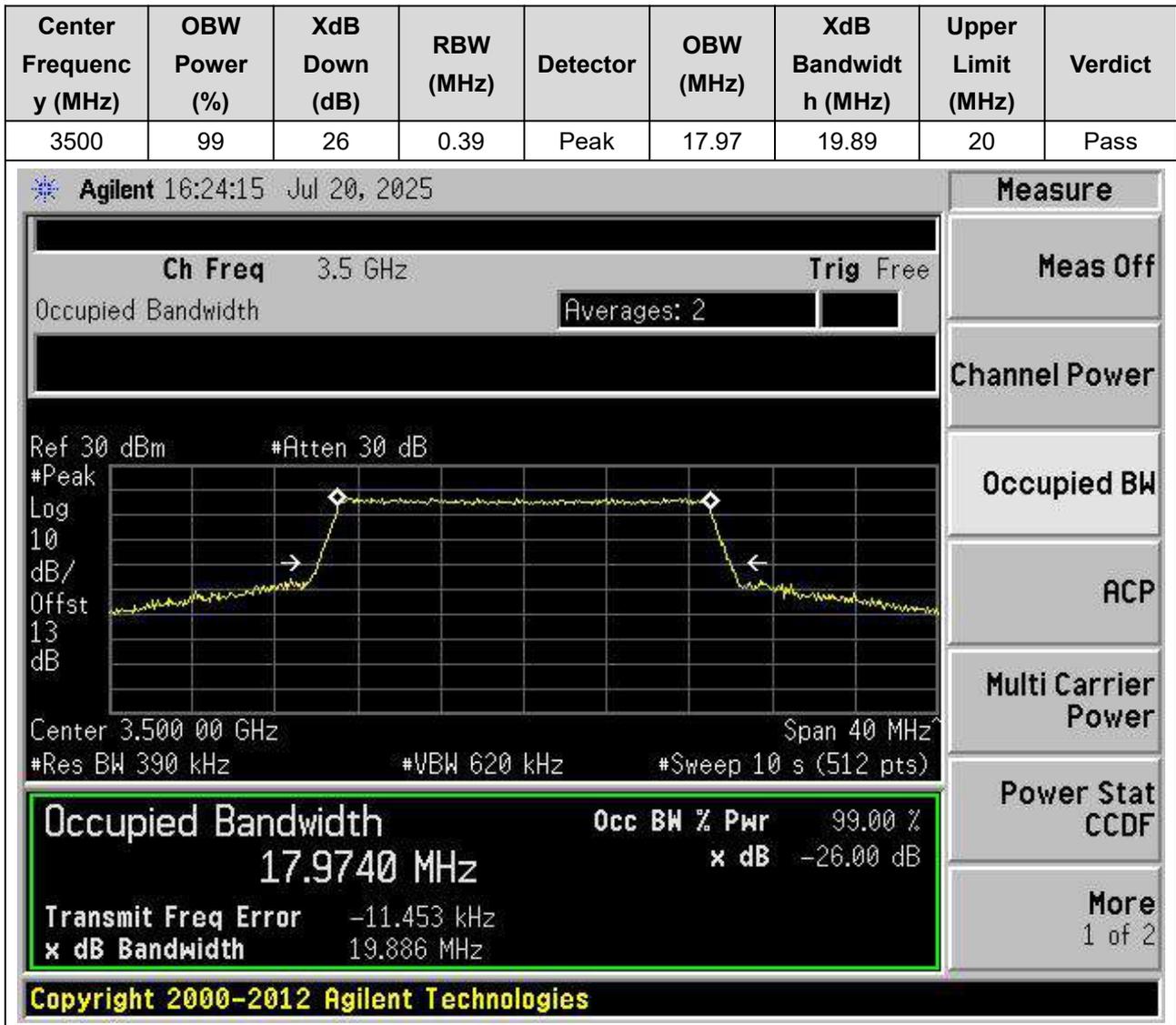
14.39. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:42190, Bandwidth:20, Modulation:64QAM, RB Number:100, RB Position:0)



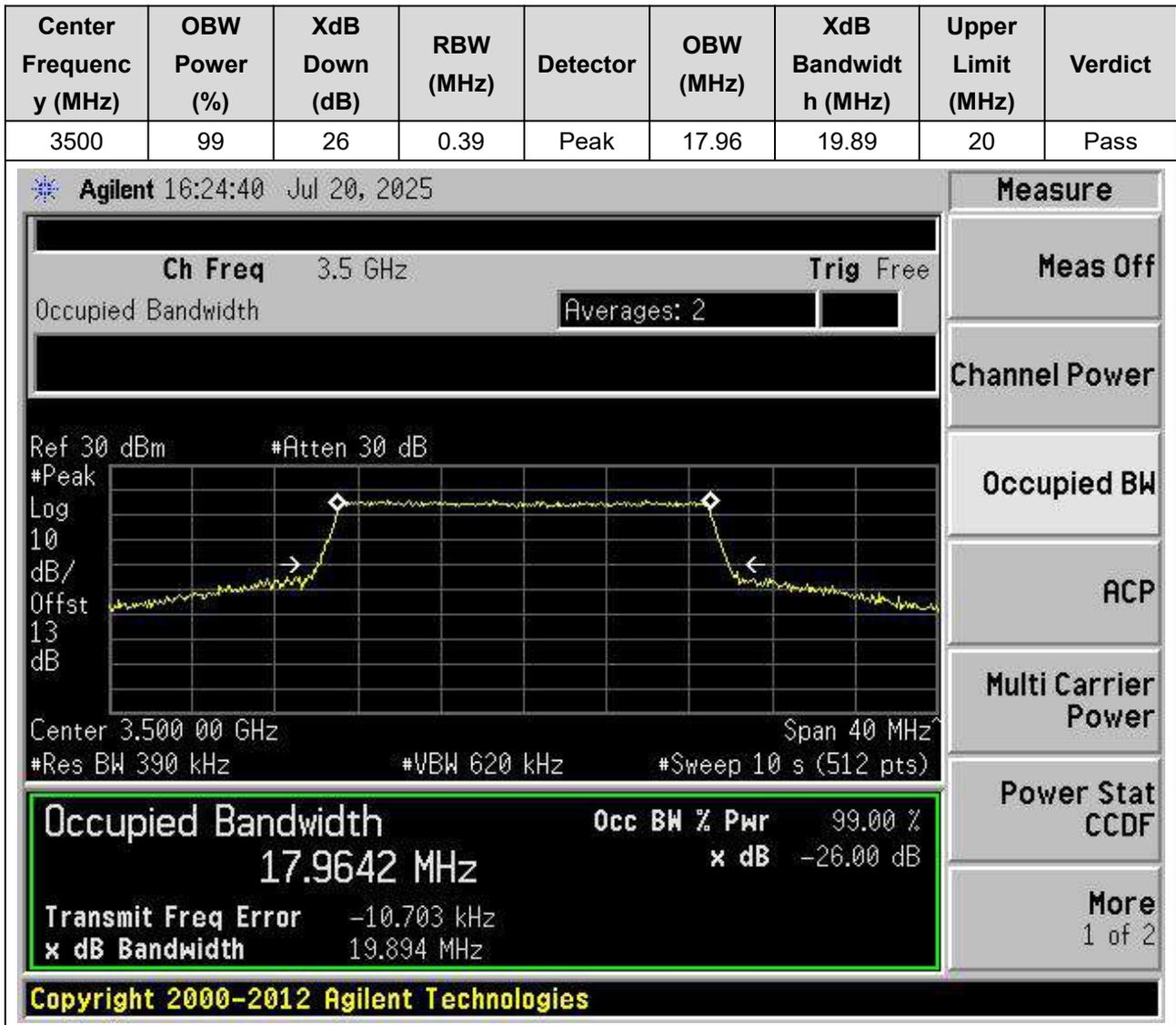
14.40. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:42190, Bandwidth:20, Modulation:256QAM, RB Number:100, RB Position:0)



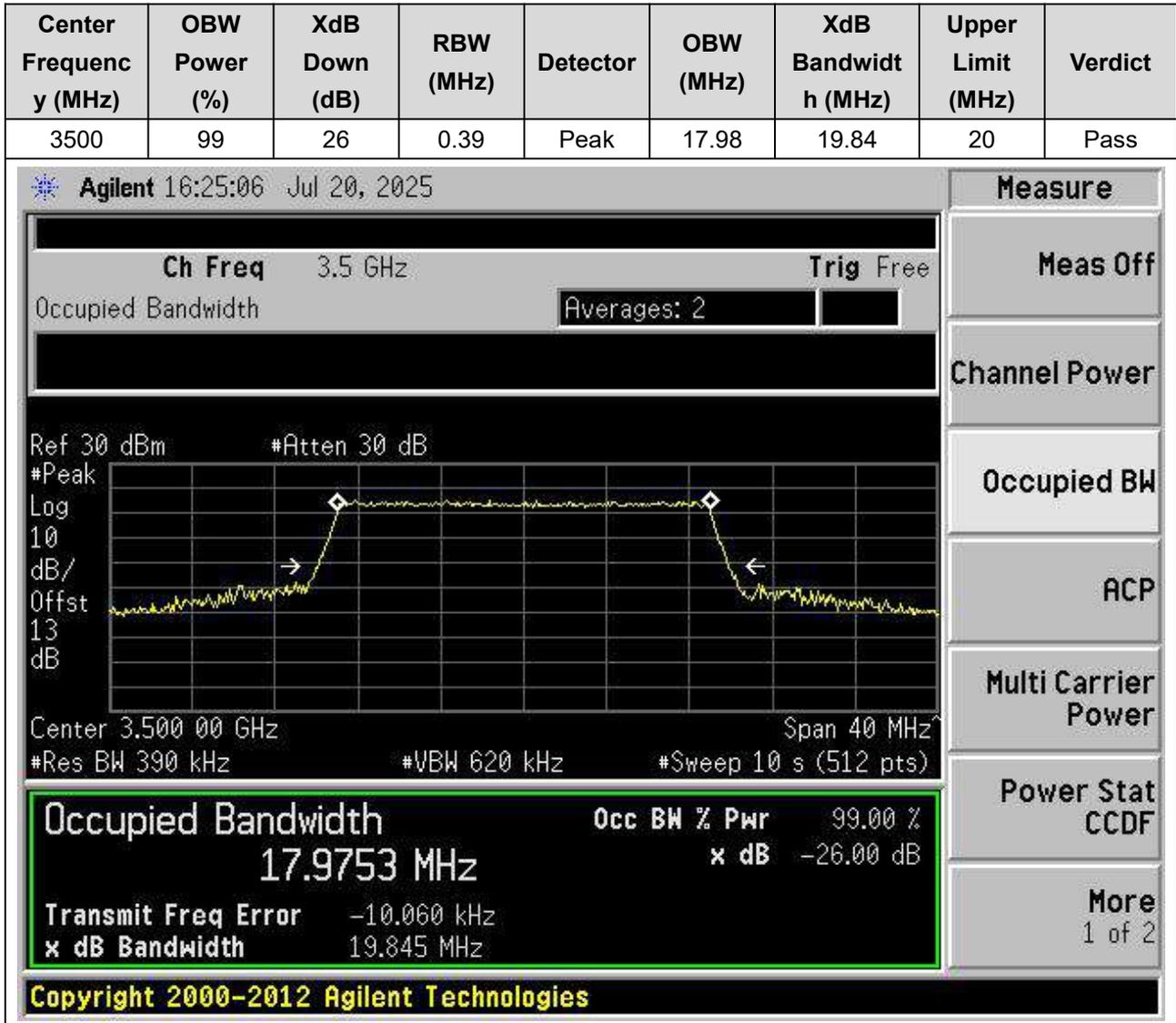
14.41. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:42590, Bandwidth:20, Modulation:QPSK, RB Number:100, RB Position:0)



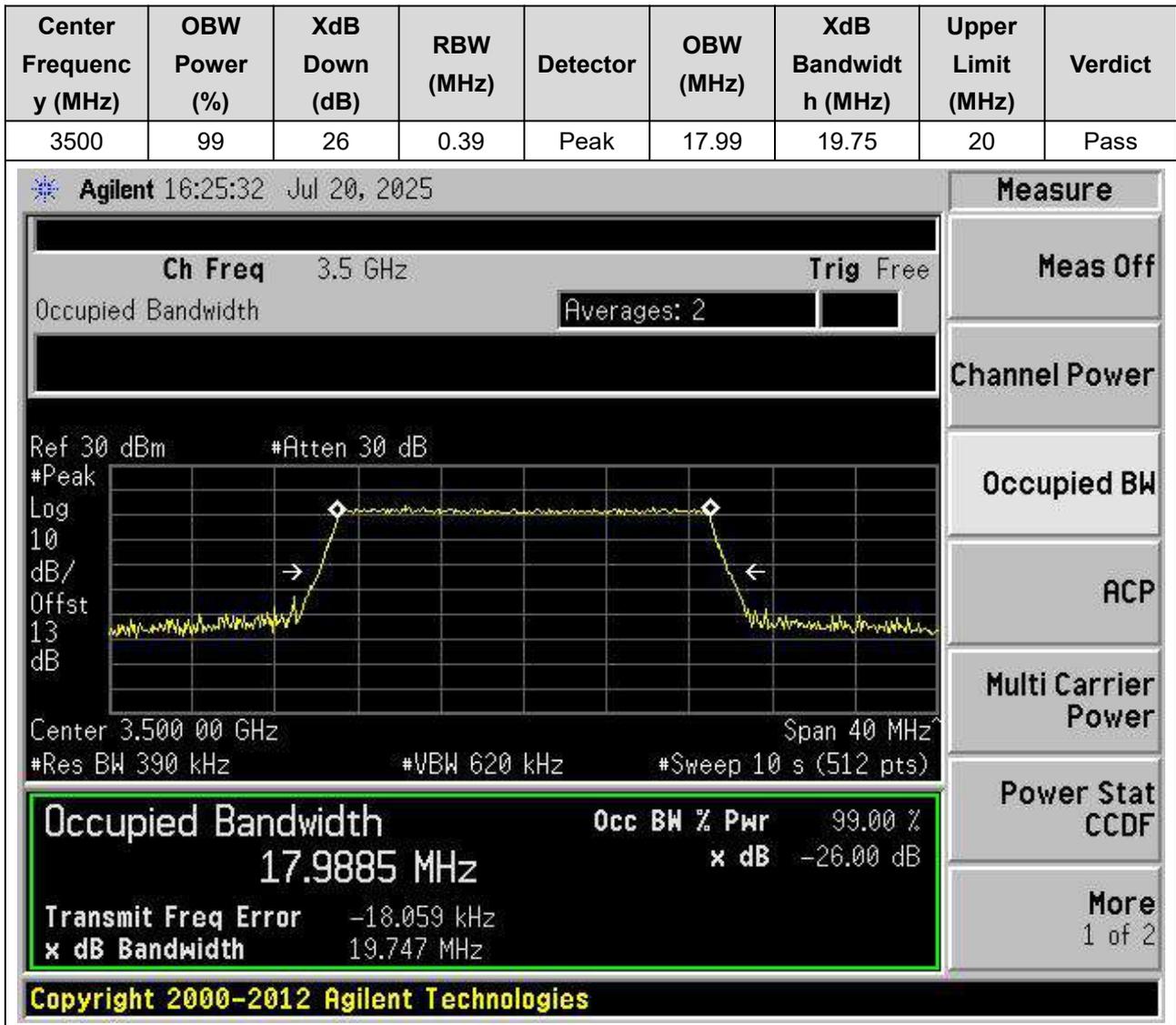
14.42. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:42590, Bandwidth:20, Modulation:16QAM, RB Number:100, RB Position:0)



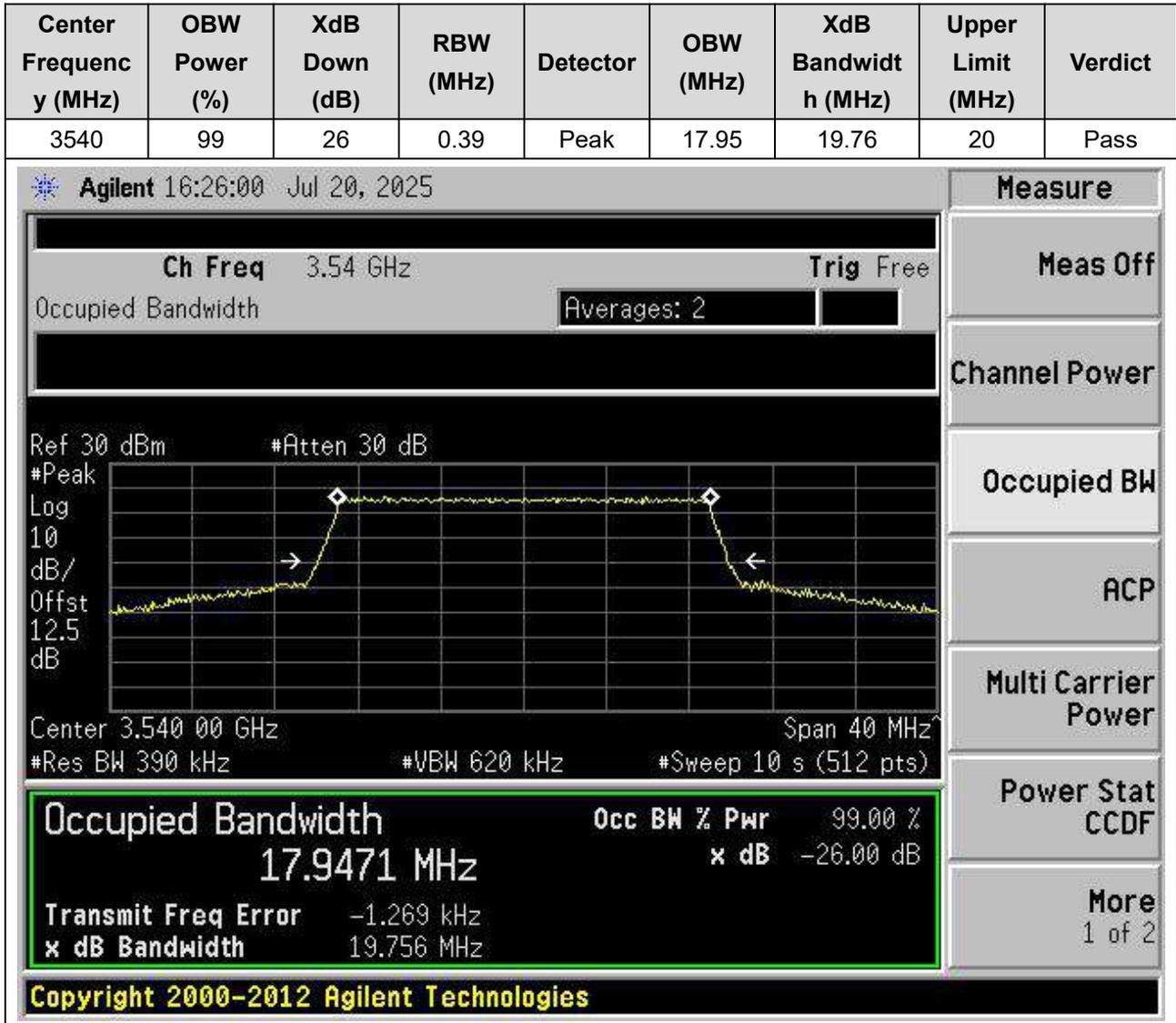
14.43. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:42590, Bandwidth:20, Modulation:64QAM, RB Number:100, RB Position:0)



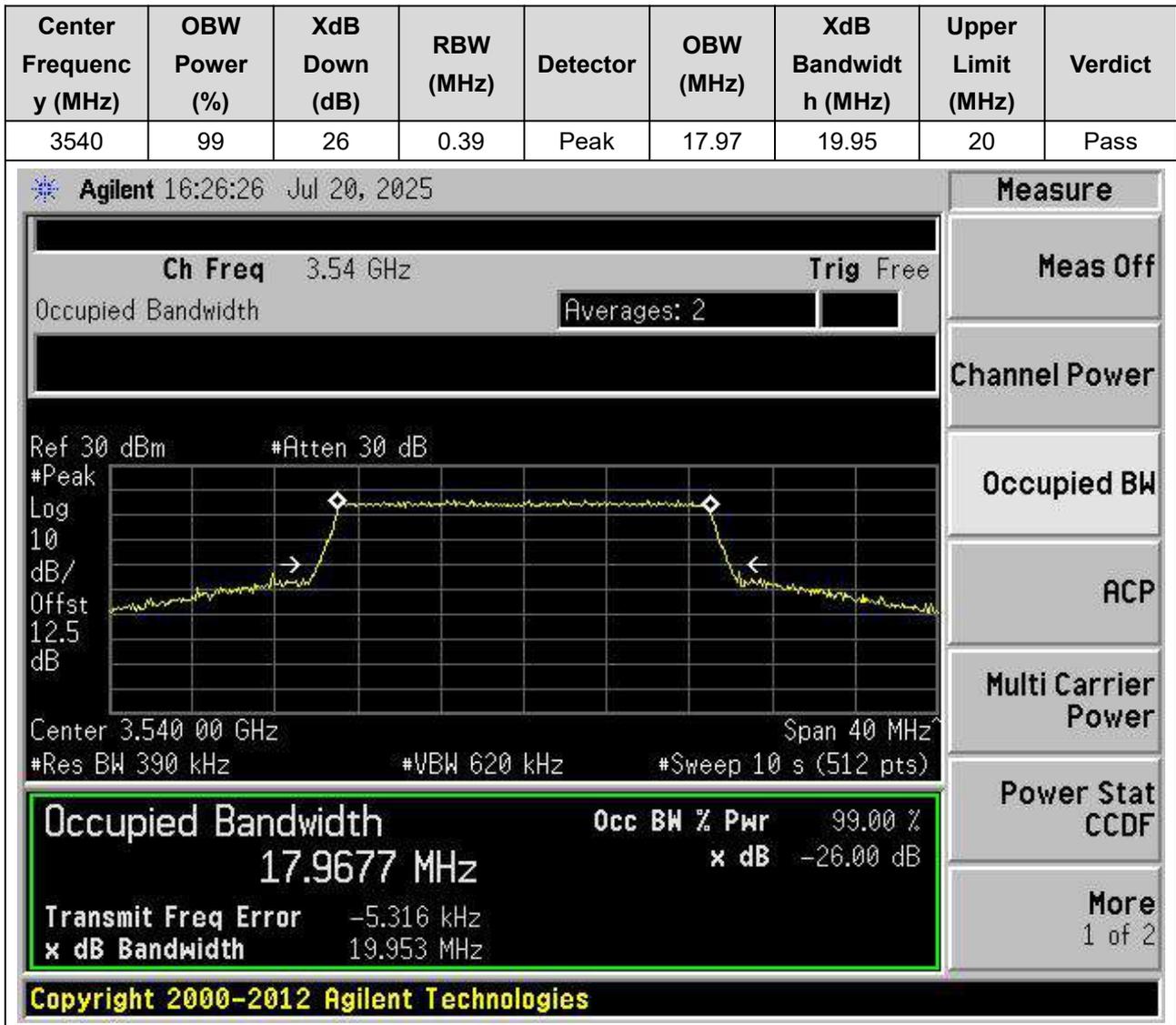
14.44. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:42590, Bandwidth:20, Modulation:256QAM, RB Number:100, RB Position:0)



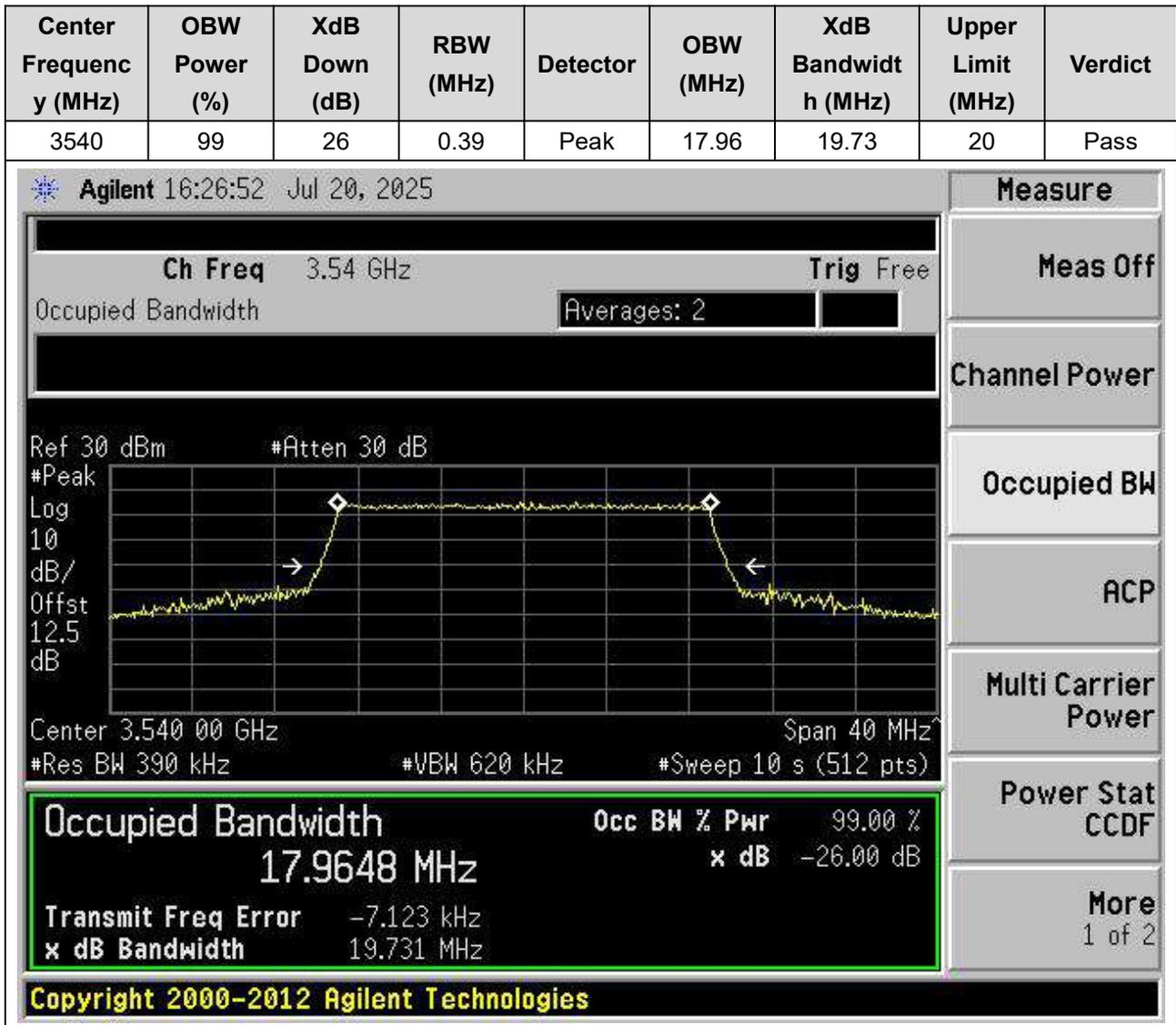
14.45. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:42990, Bandwidth:20, Modulation:QPSK, RB Number:100, RB Position:0)



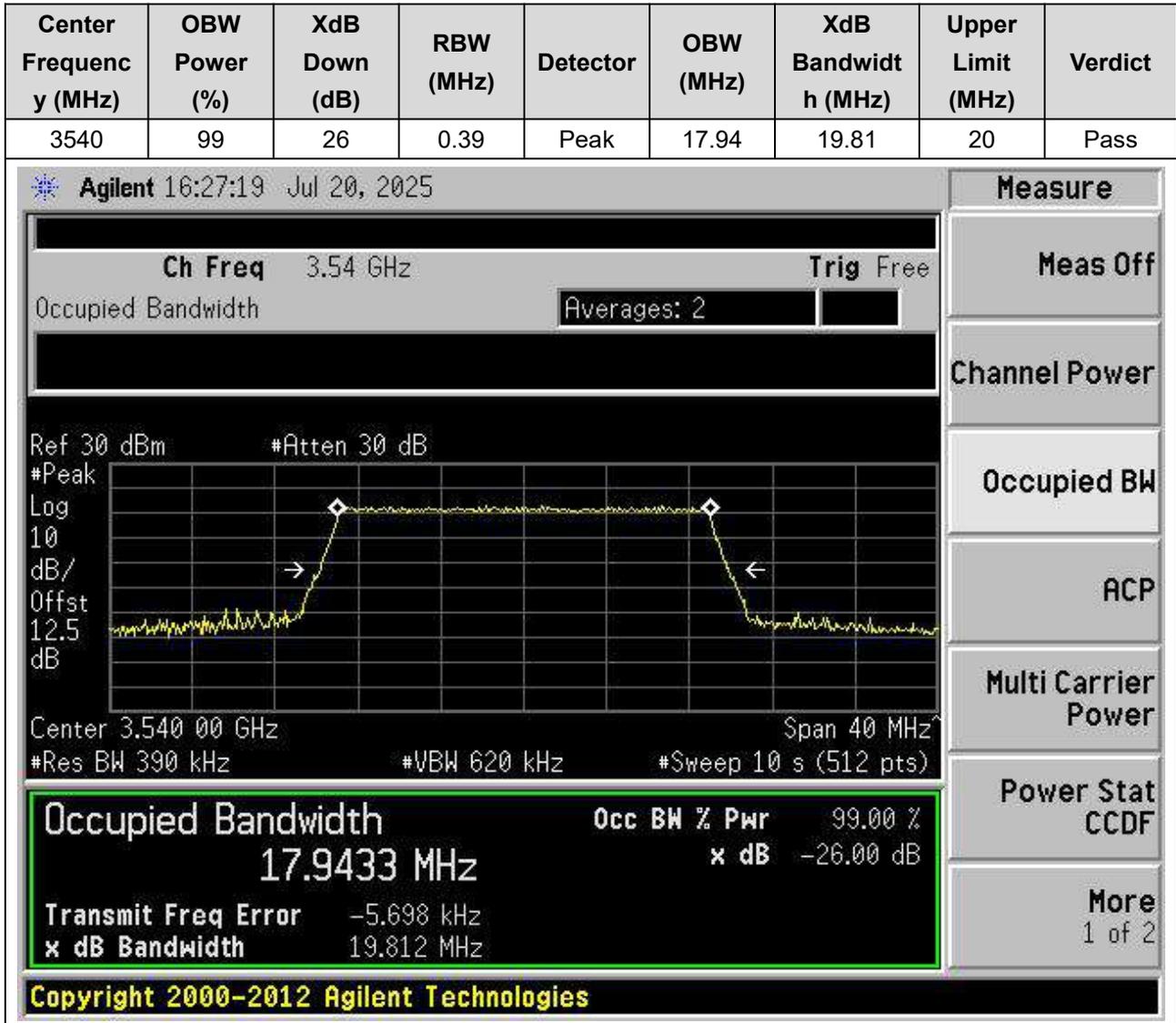
14.46. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:42990, Bandwidth:20, Modulation:16QAM, RB Number:100, RB Position:0)



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

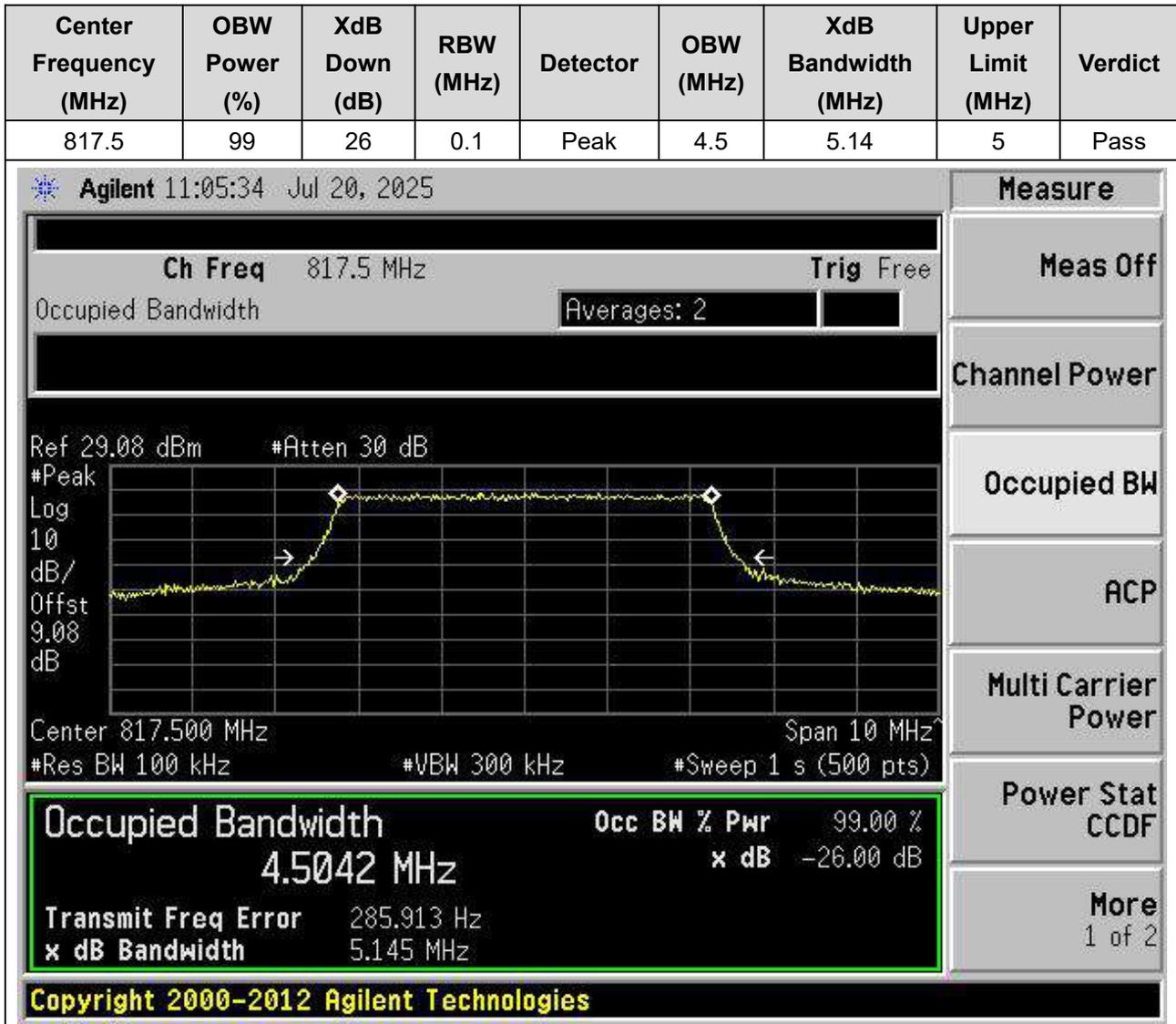


14.48. LTE Occupied Bandwidth_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:42990, Bandwidth:20, Modulation:256QAM, RB Number:100, RB Position:0)

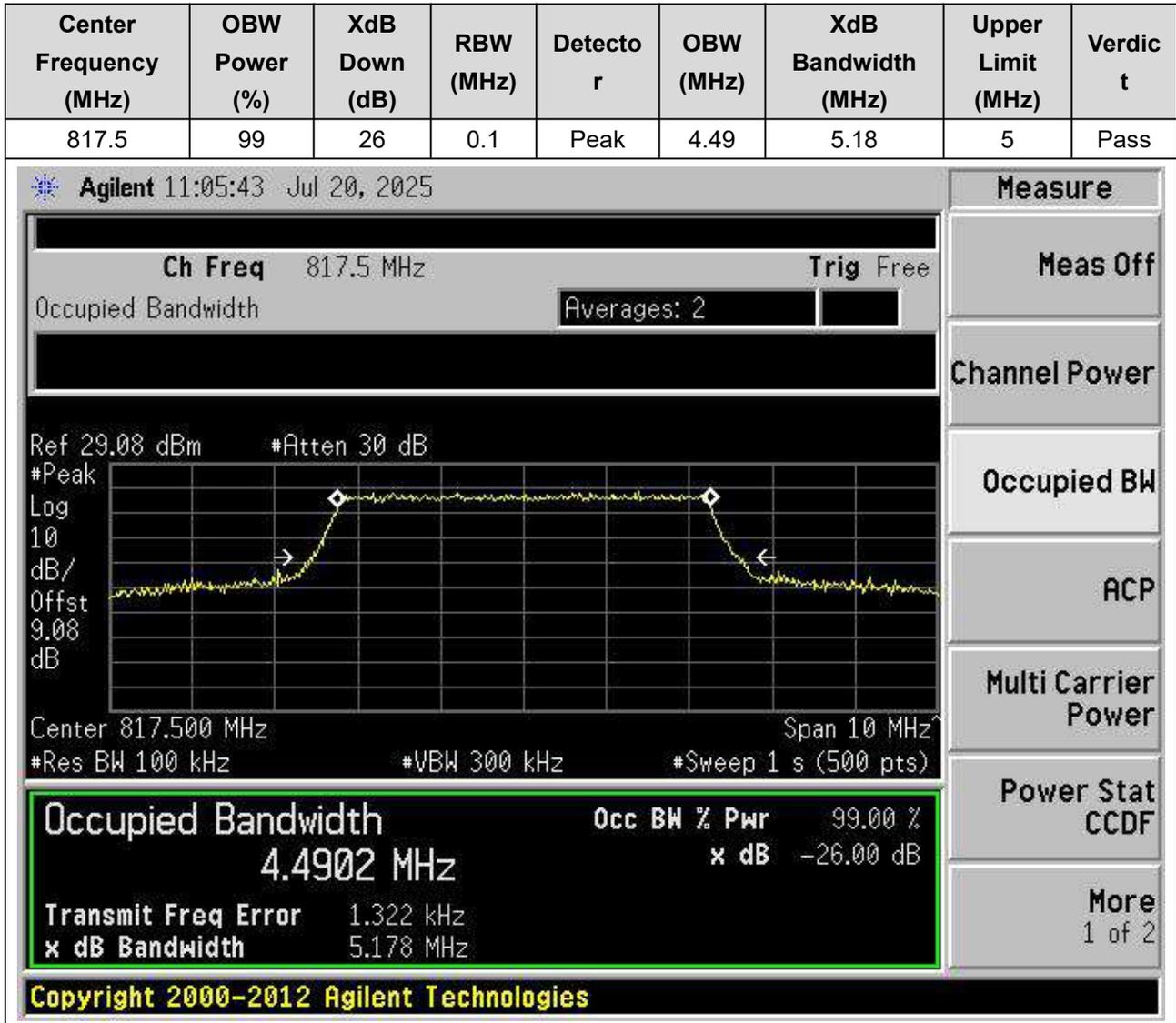


1. LTE_Band18(part90)

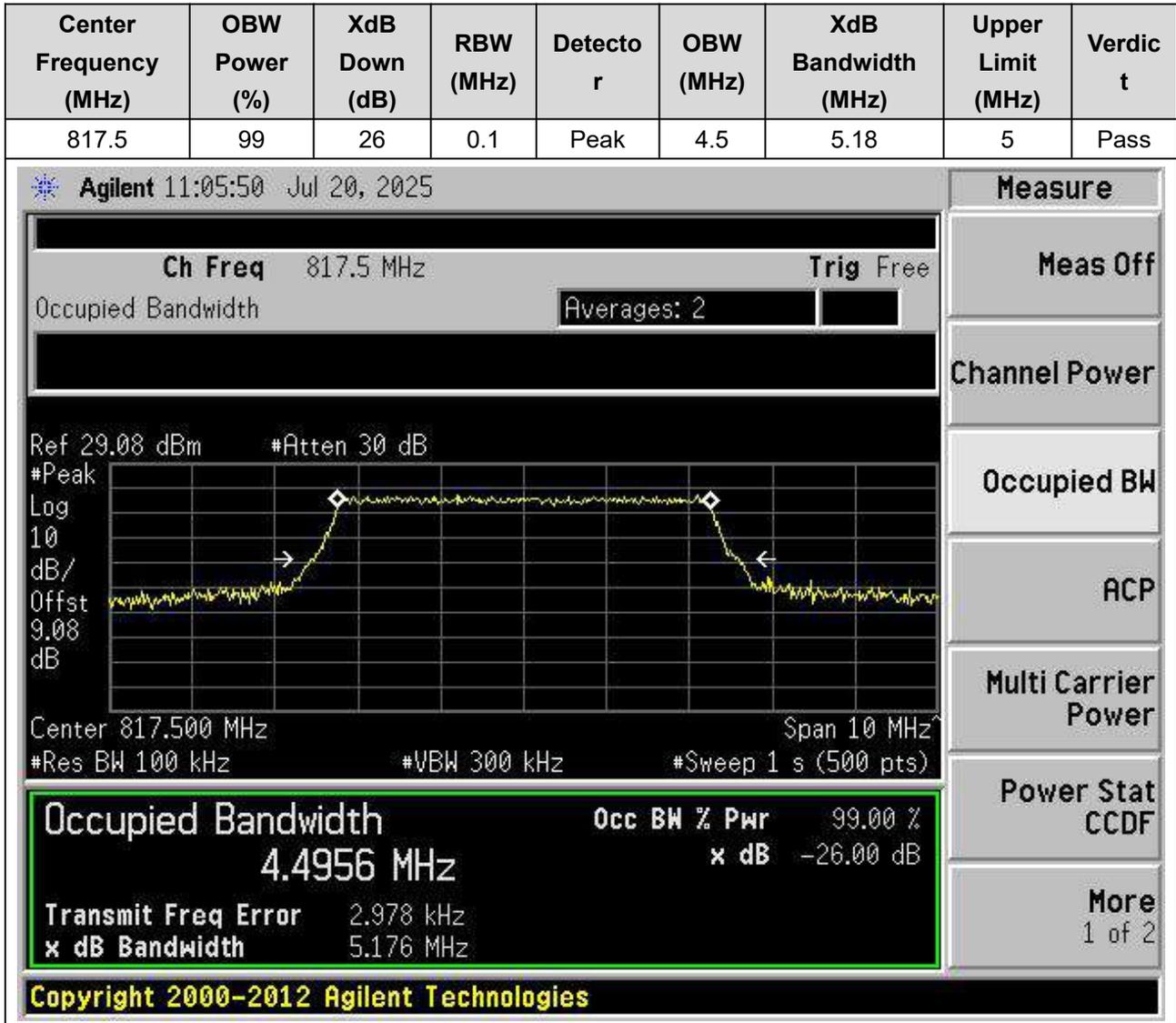
1.1. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:23875, Bandwidth:5, Modulation:QPSK, RB Number:25, RB Position:0)



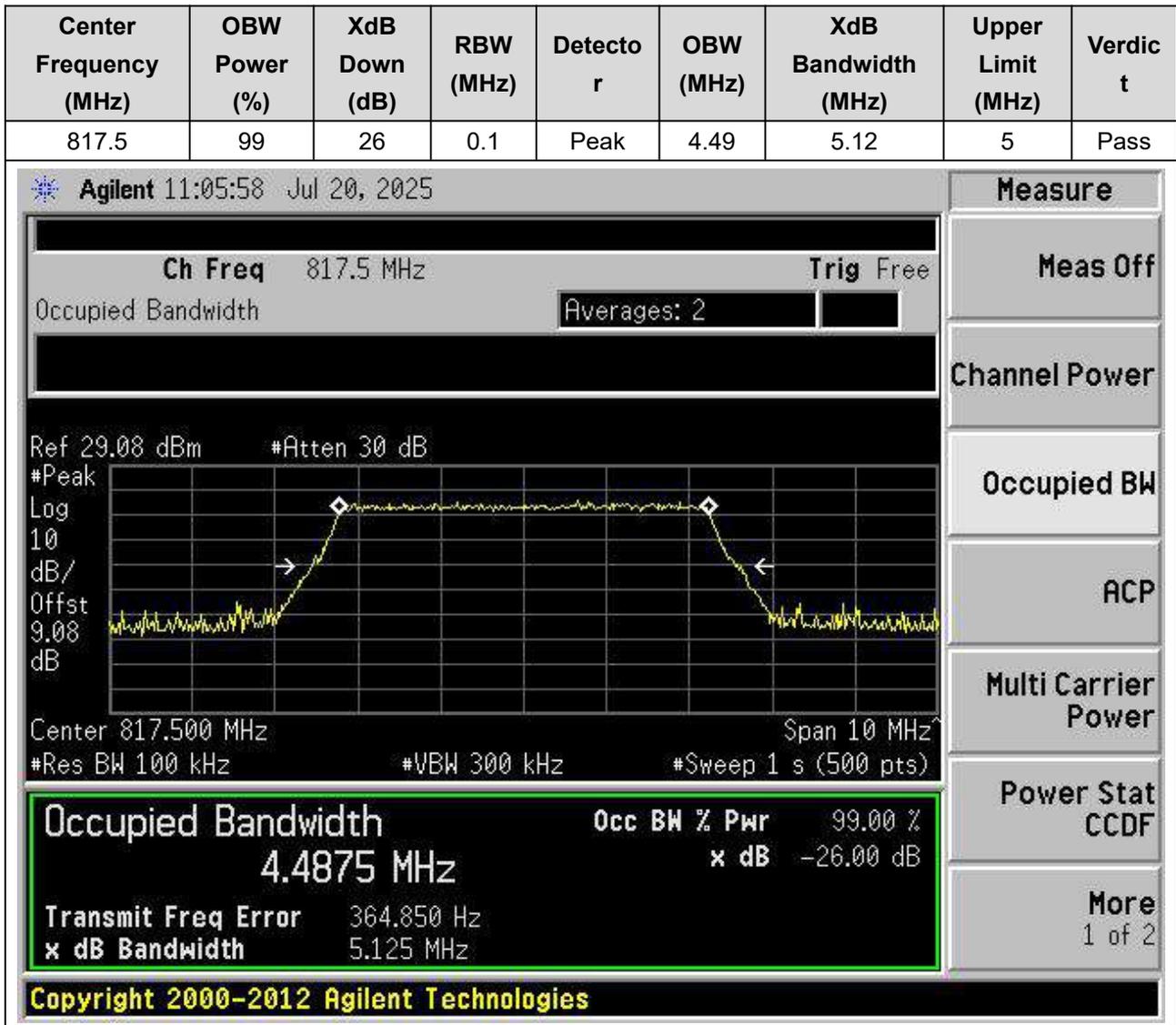
1.2. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:23875, Bandwidth:5, Modulation:16QAM, RB Number:25, RB Position:0)



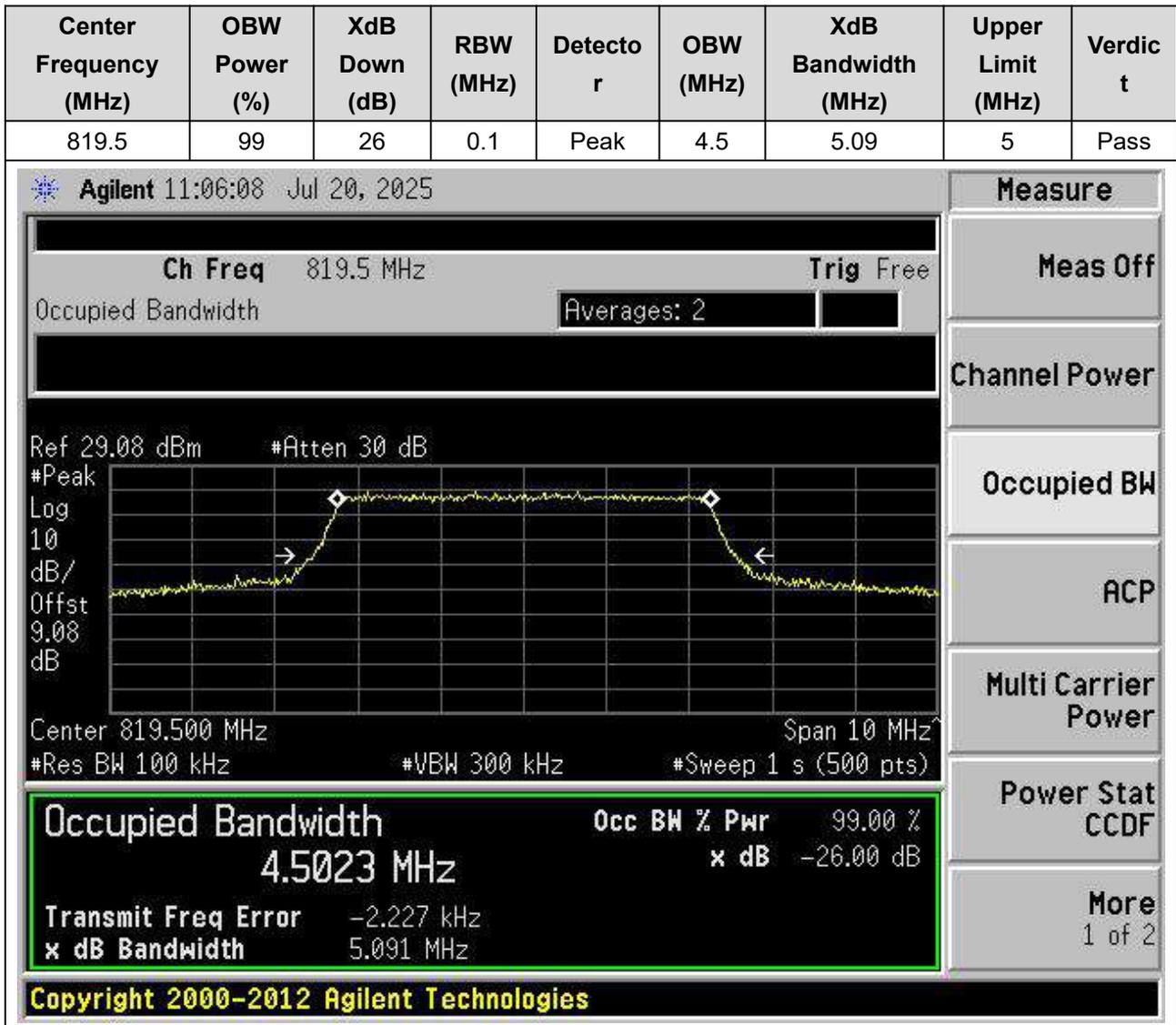
1.3. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:23875, Bandwidth:5, Modulation:64QAM, RB Number:25, RB Position:0)



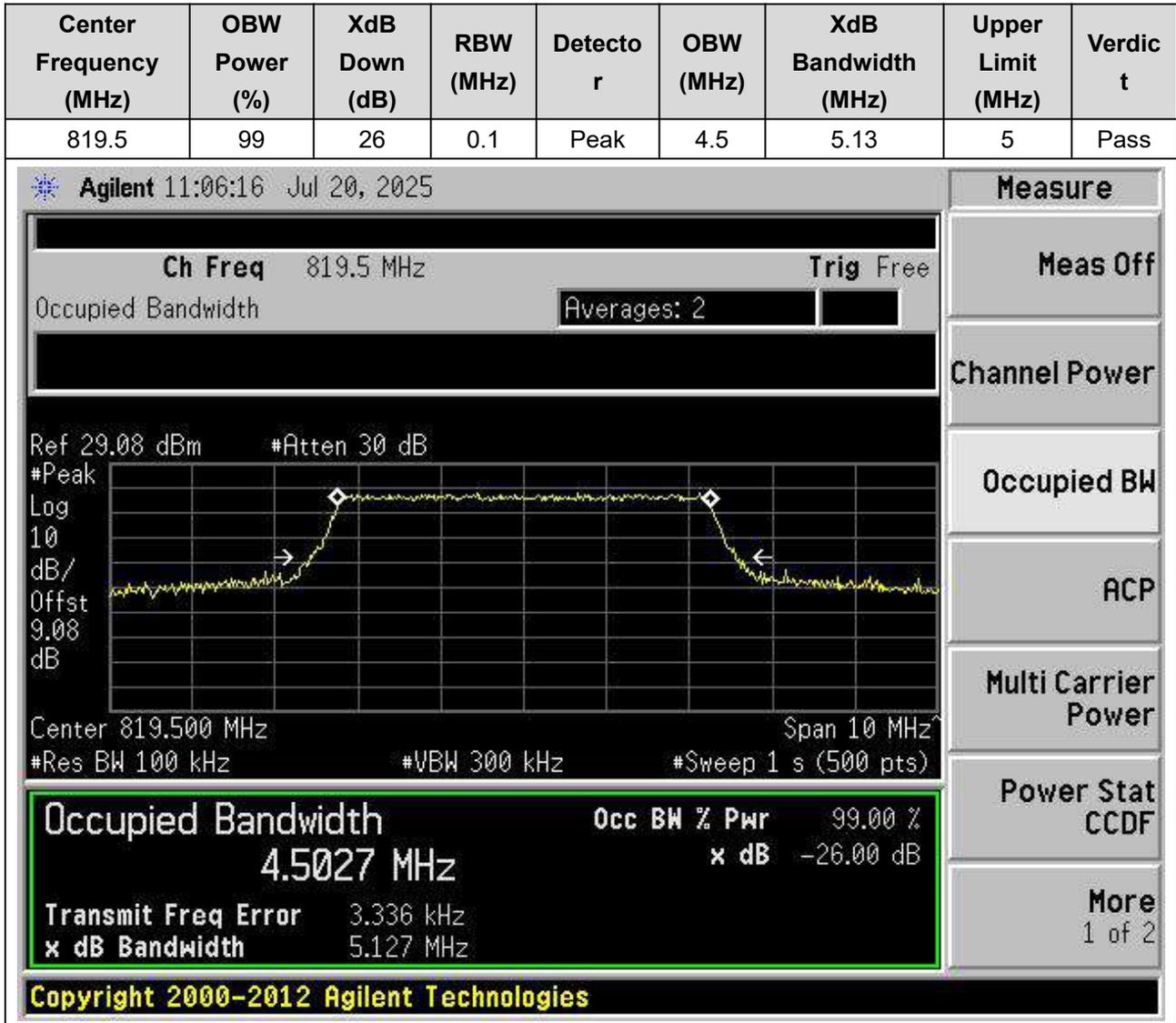
1.4. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:23875, Bandwidth:5, Modulation:256QAM, RB Number:25, RB Position:0)



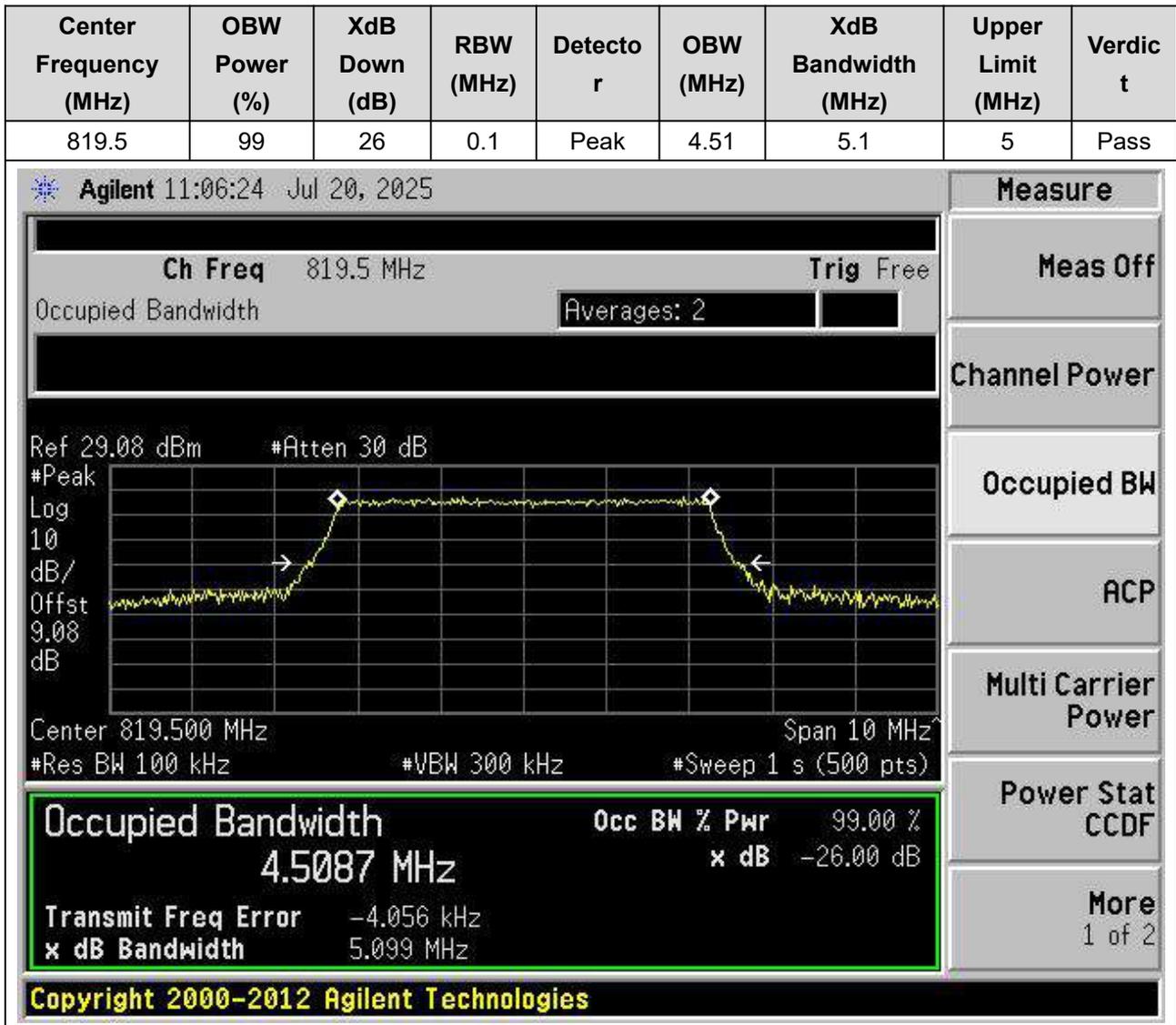
1.5. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:23895, Bandwidth:5, Modulation:QPSK, RB Number:25, RB Position:0)



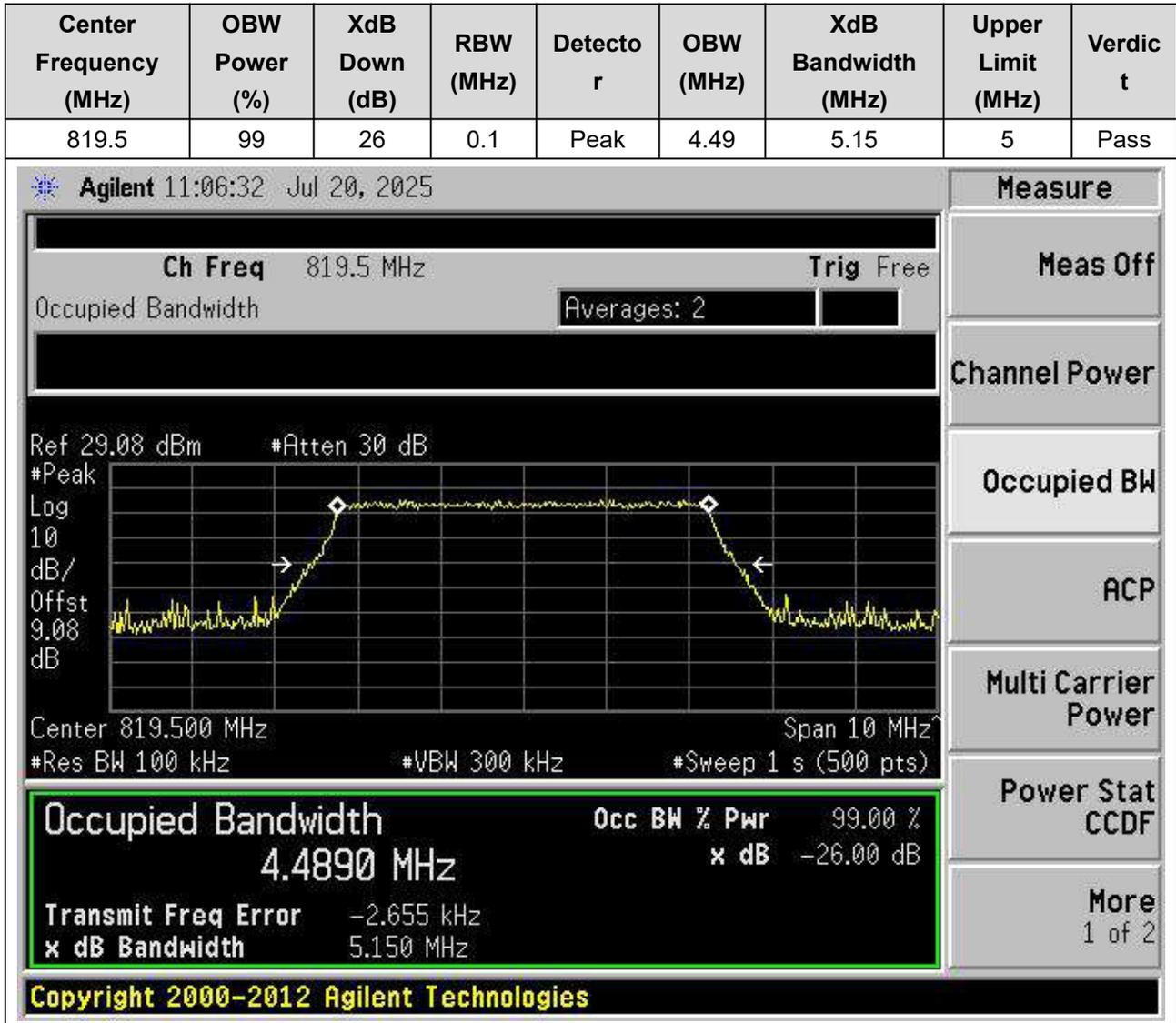
1.6. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:23895, Bandwidth:5, Modulation:16QAM, RB Number:25, RB Position:0)



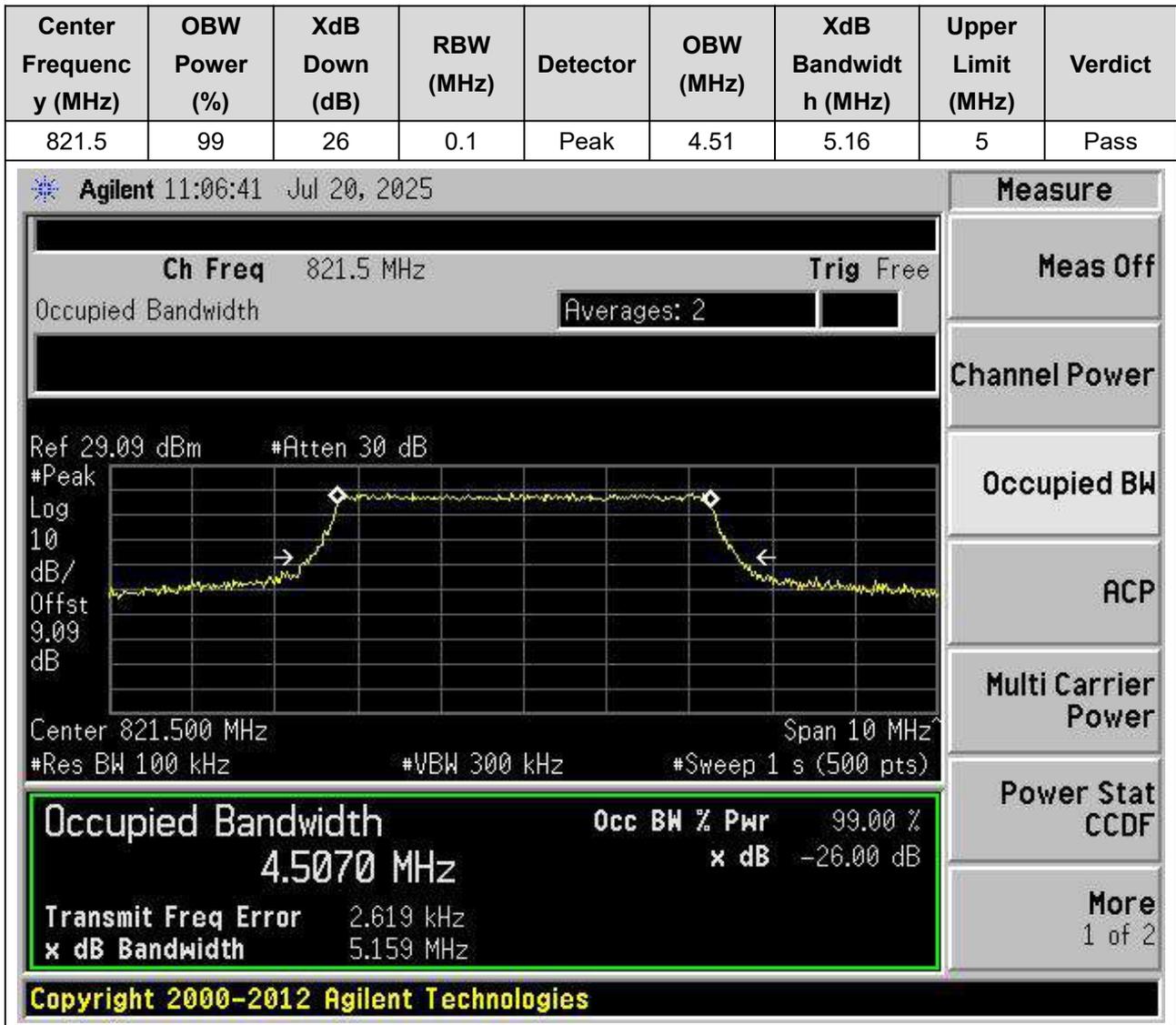
1.7. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:23895, Bandwidth:5, Modulation:64QAM, RB Number:25, RB Position:0)



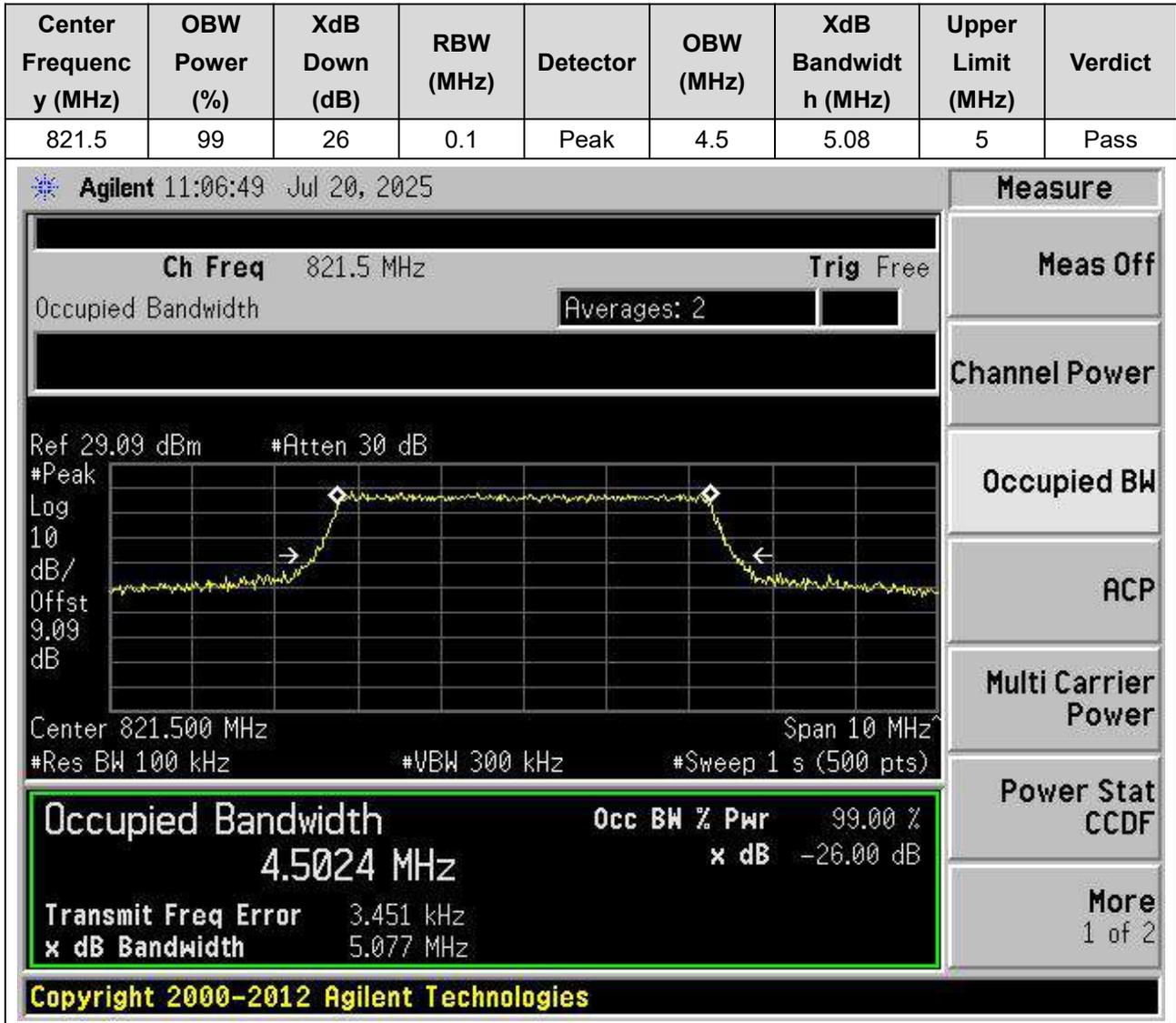
1.8. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:23895, Bandwidth:5, Modulation:256QAM, RB Number:25, RB Position:0)



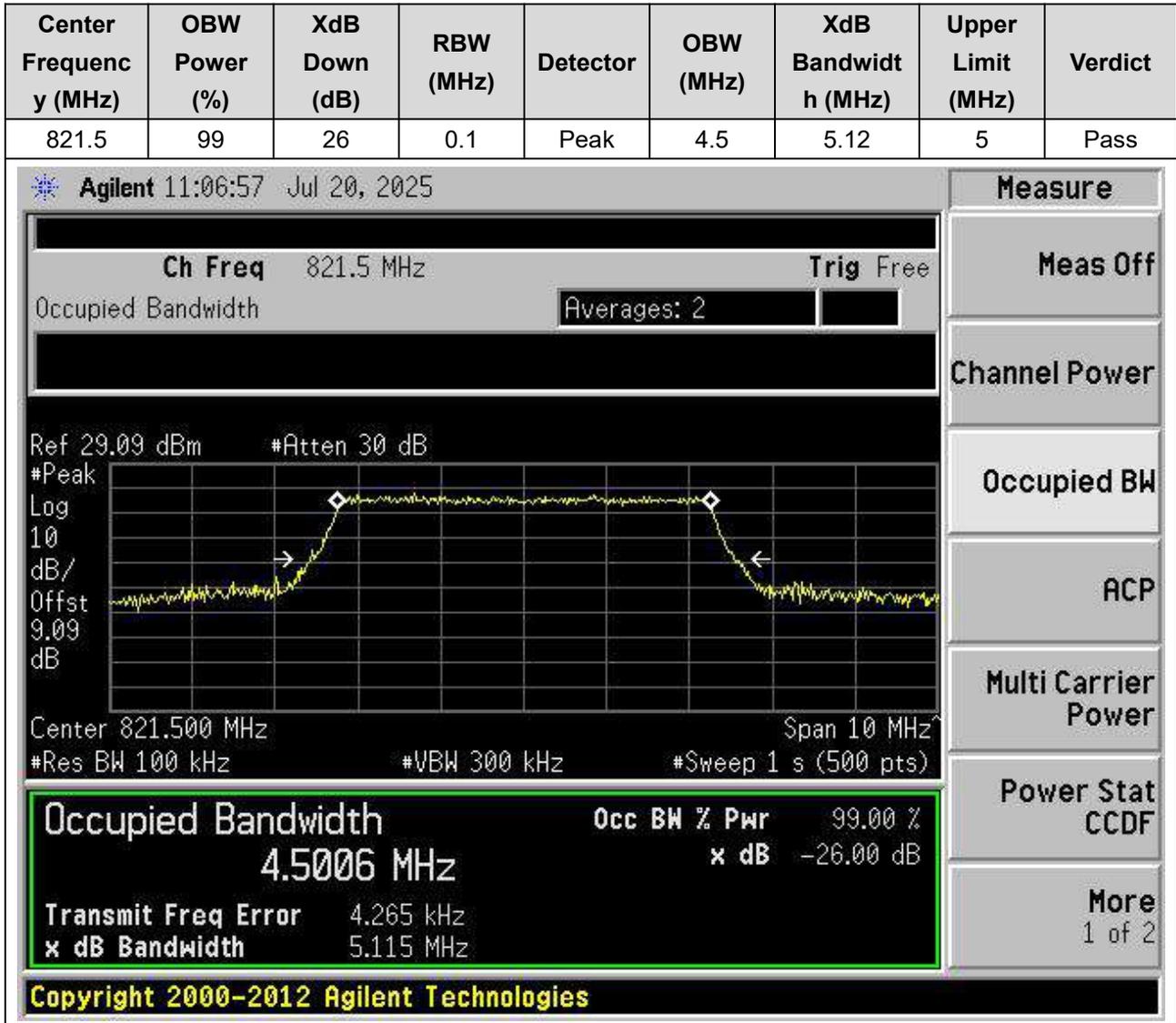
1.9. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:23915, Bandwidth:5, Modulation:QPSK, RB Number:25, RB Position:0)



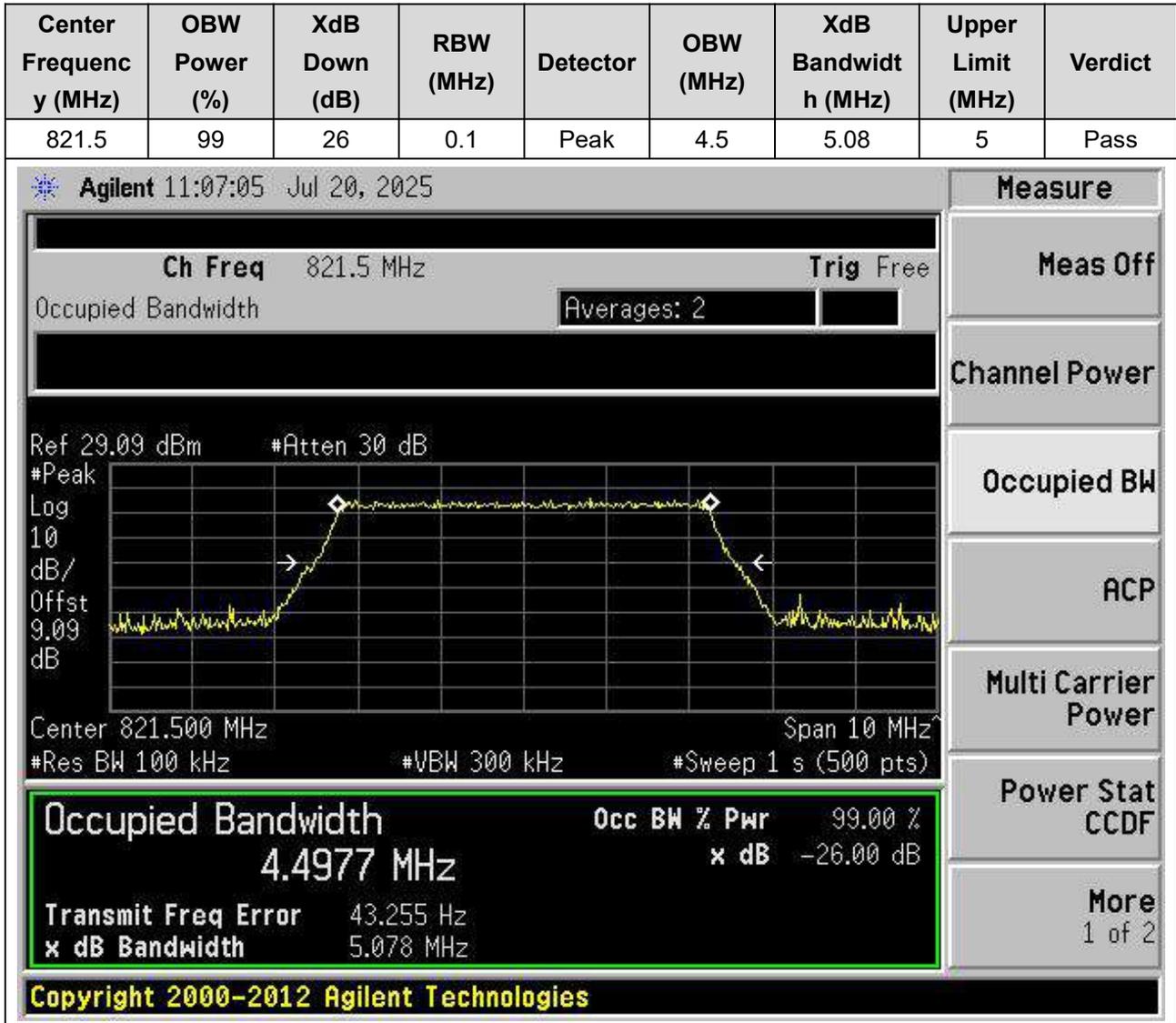
1.10. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:23915, Bandwidth:5, Modulation:16QAM, RB Number:25, RB Position:0)



1.11. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:23915, Bandwidth:5, Modulation:64QAM, RB Number:25, RB Position:0)

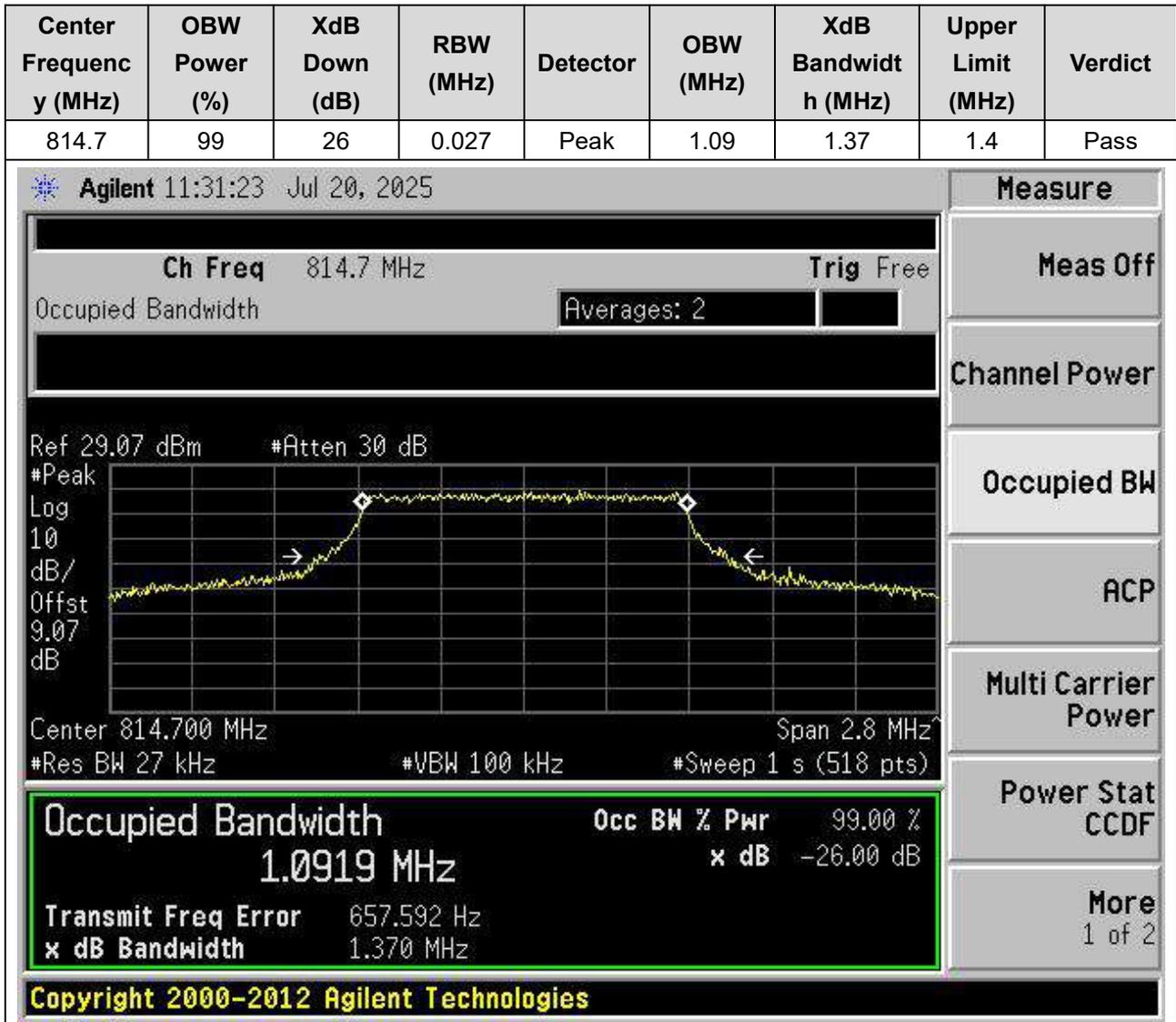


1.12. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:23915, Bandwidth:5, Modulation:256QAM, RB Number:25, RB Position:0)

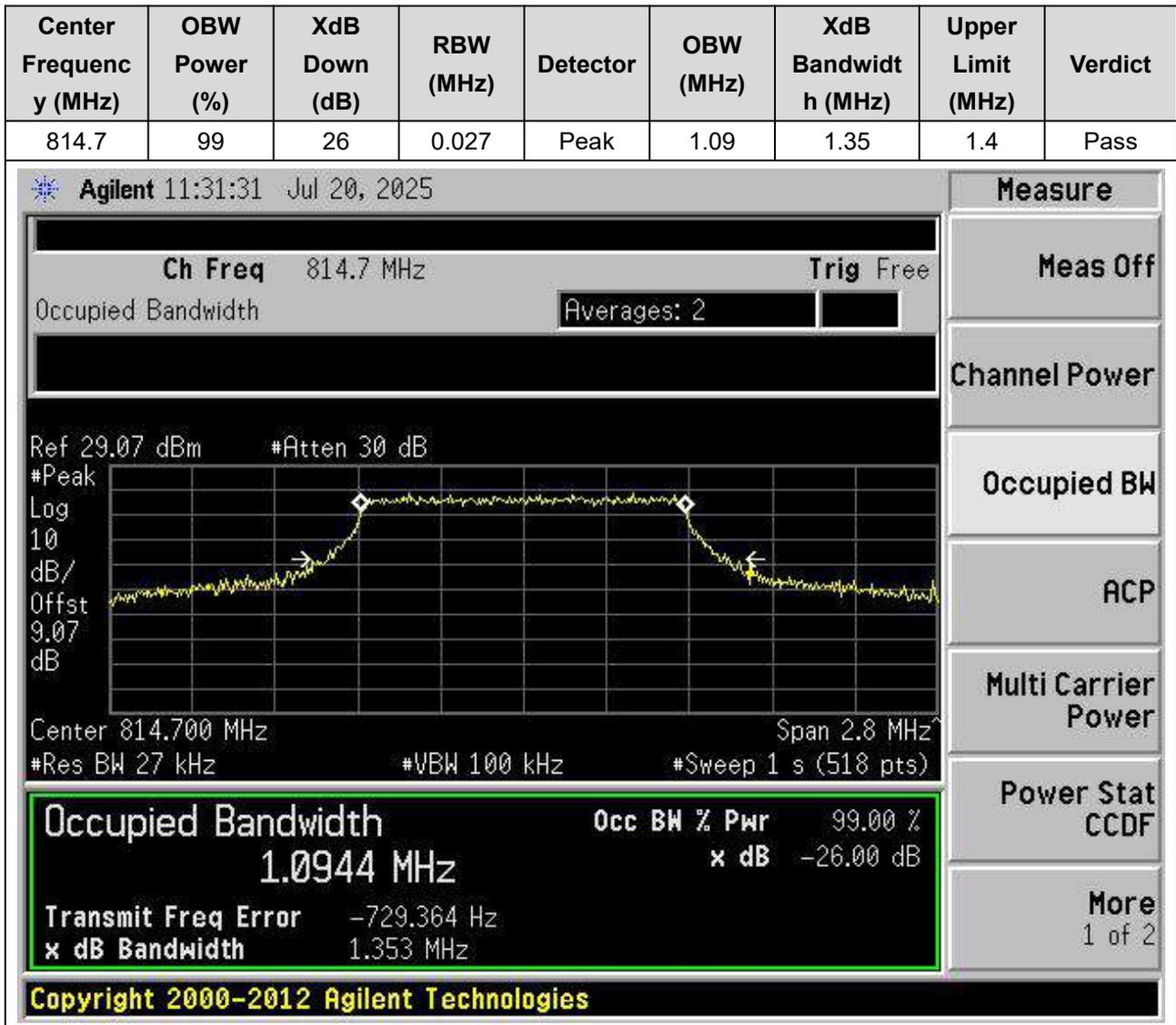


2. LTE_Band26(part90)

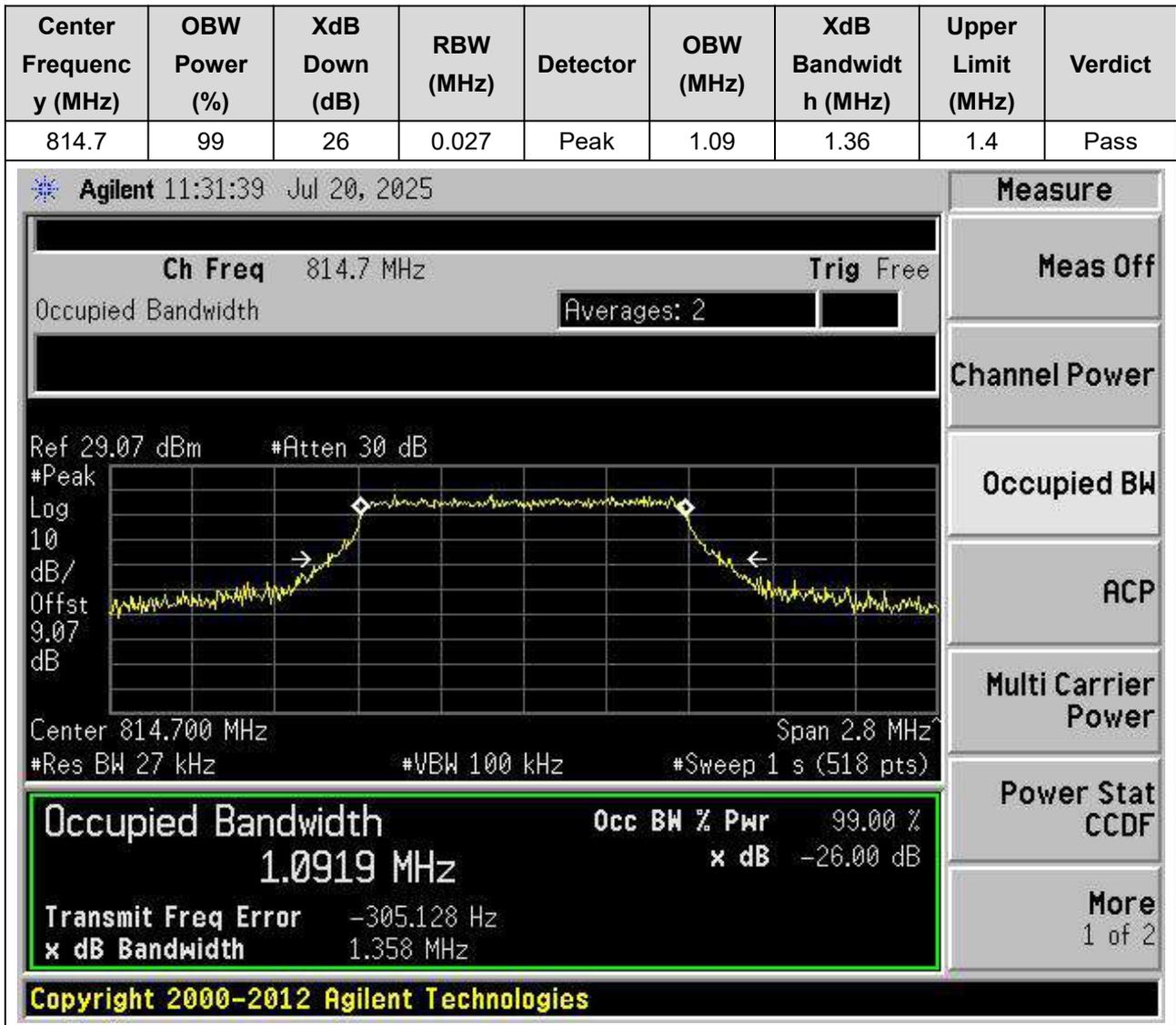
2.1. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:26697, Bandwidth:1.4, Modulation:QPSK, RB Number:6, RB Position:0)



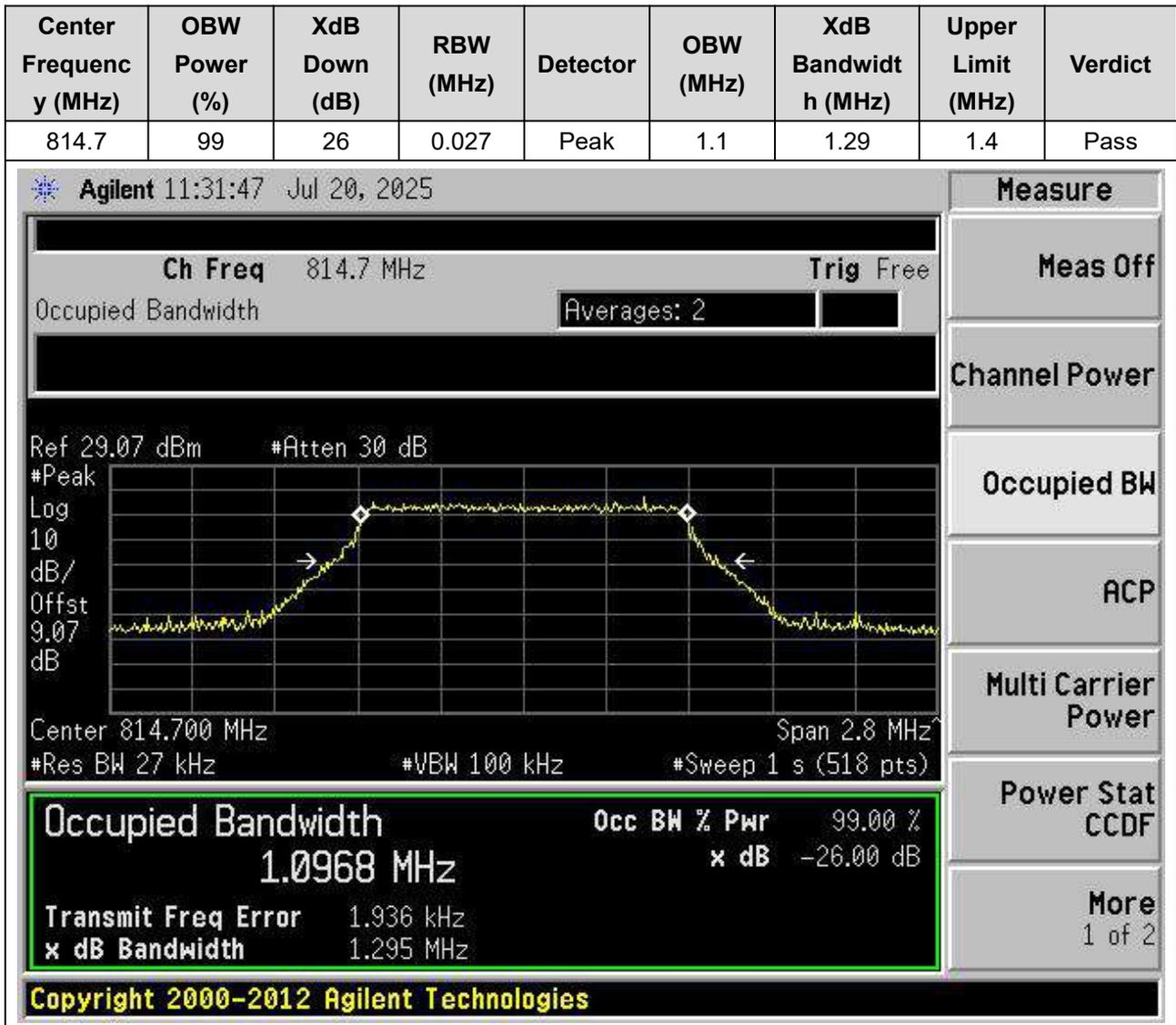
2.2. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:26697, Bandwidth:1.4, Modulation:16QAM, RB Number:6, RB Position:0)



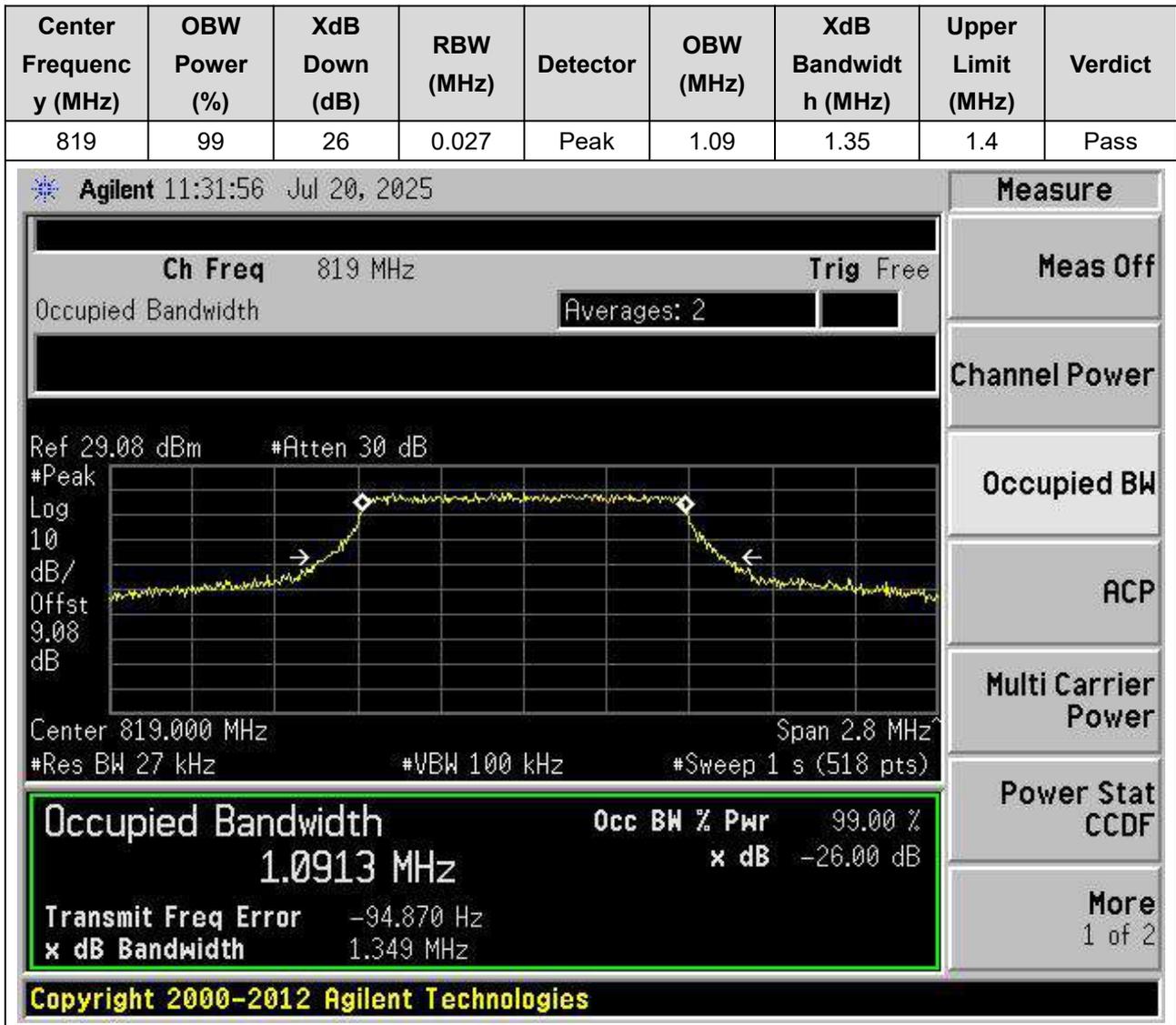
2.3. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:26697, Bandwidth:1.4, Modulation:64QAM, RB Number:6, RB Position:0)



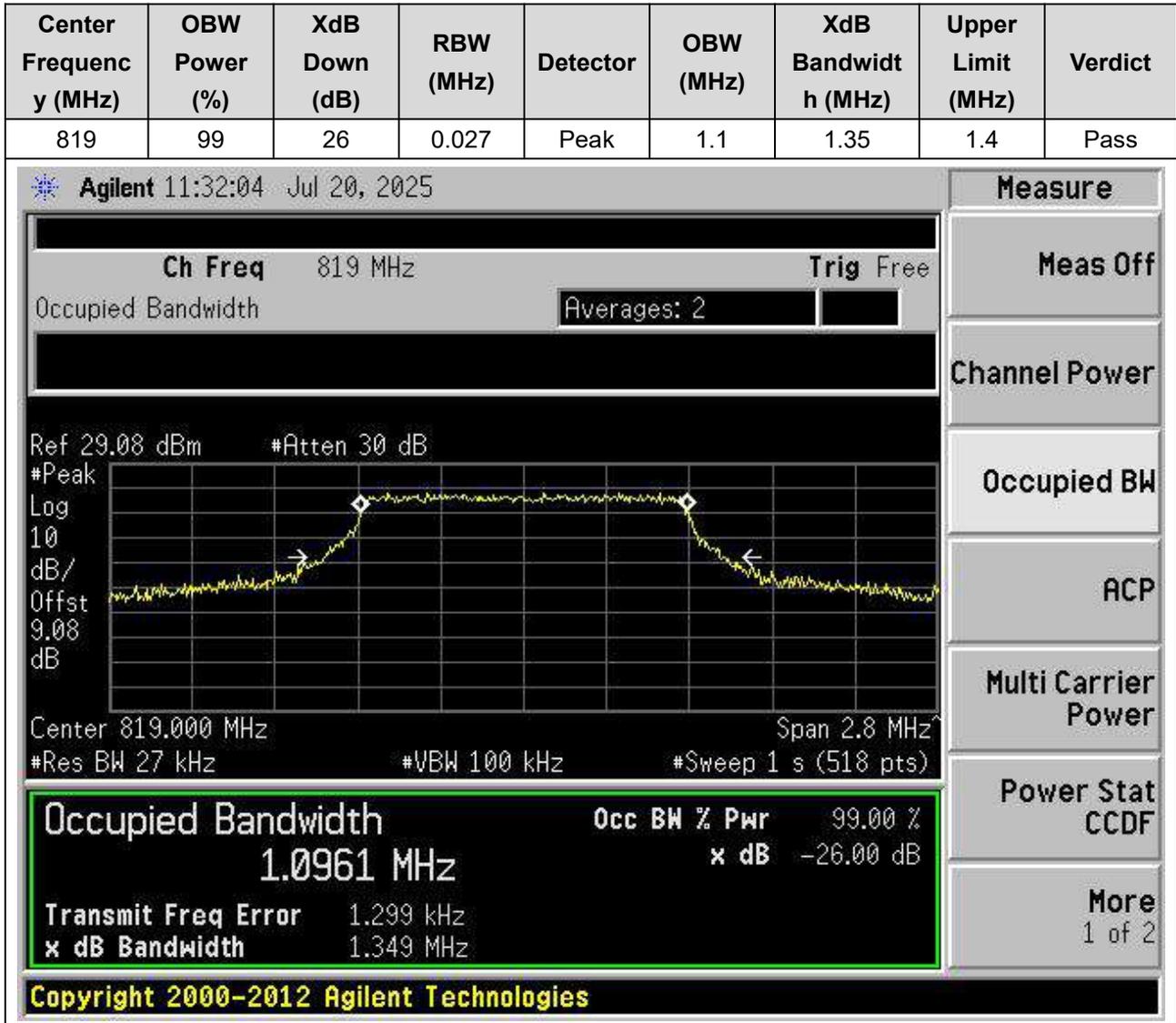
2.4. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:26697, Bandwidth:1.4, Modulation:256QAM, RB Number:6, RB Position:0)



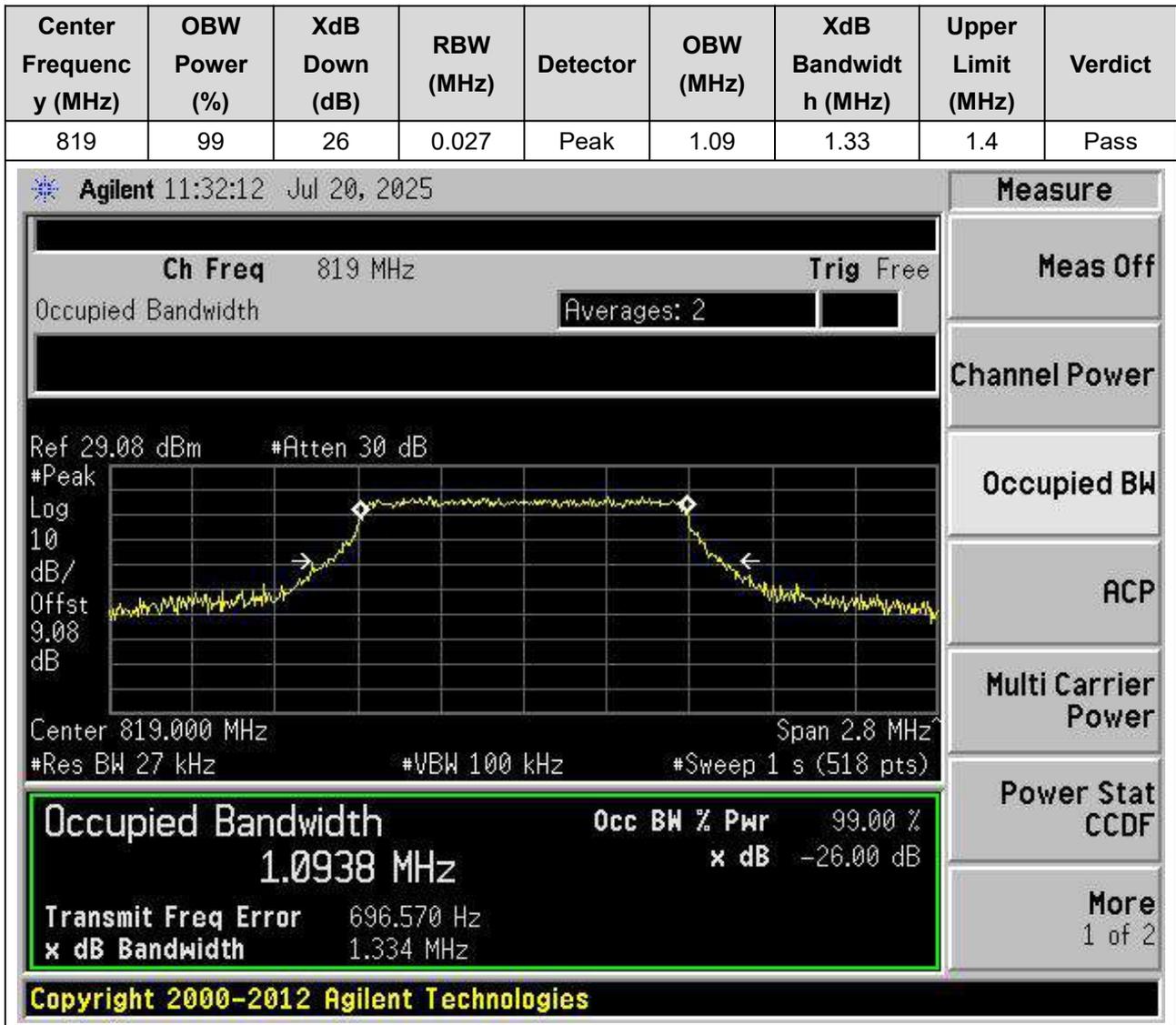
2.5. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:26740, Bandwidth:1.4, Modulation:QPSK, RB Number:6, RB Position:0)



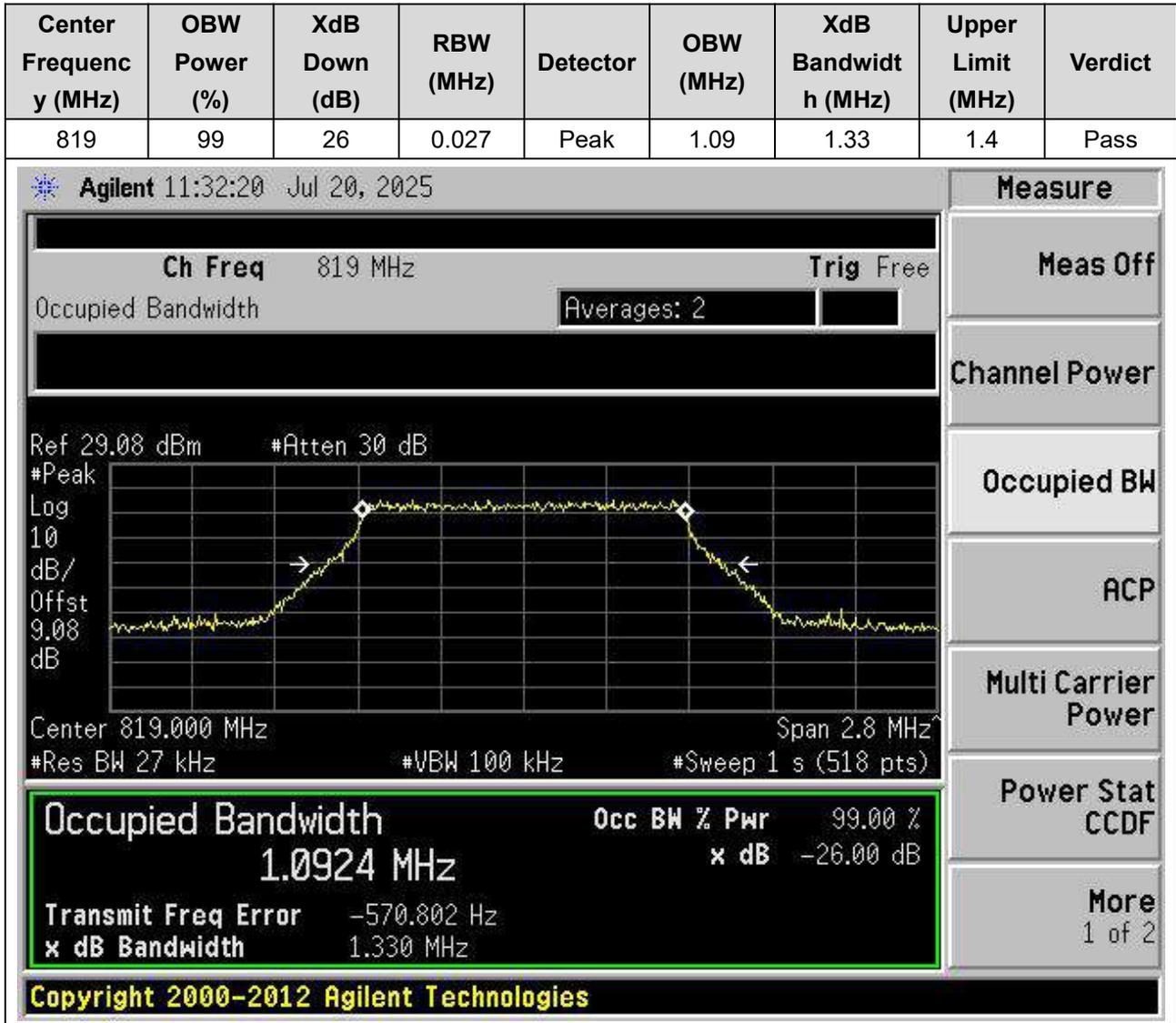
2.6. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:26740, Bandwidth:1.4, Modulation:16QAM, RB Number:6, RB Position:0)



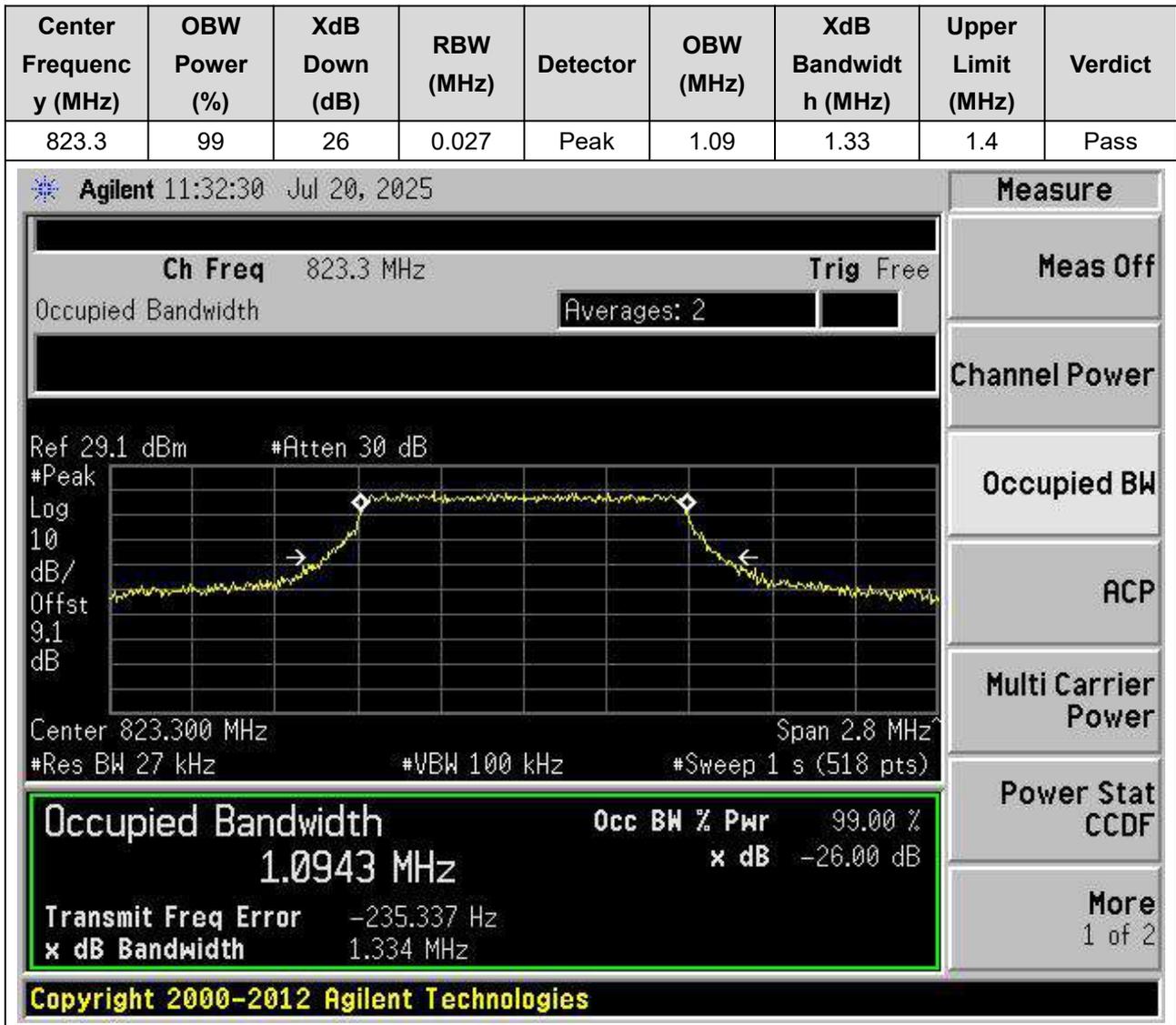
2.7. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:26740, Bandwidth:1.4, Modulation:64QAM, RB Number:6, RB Position:0)



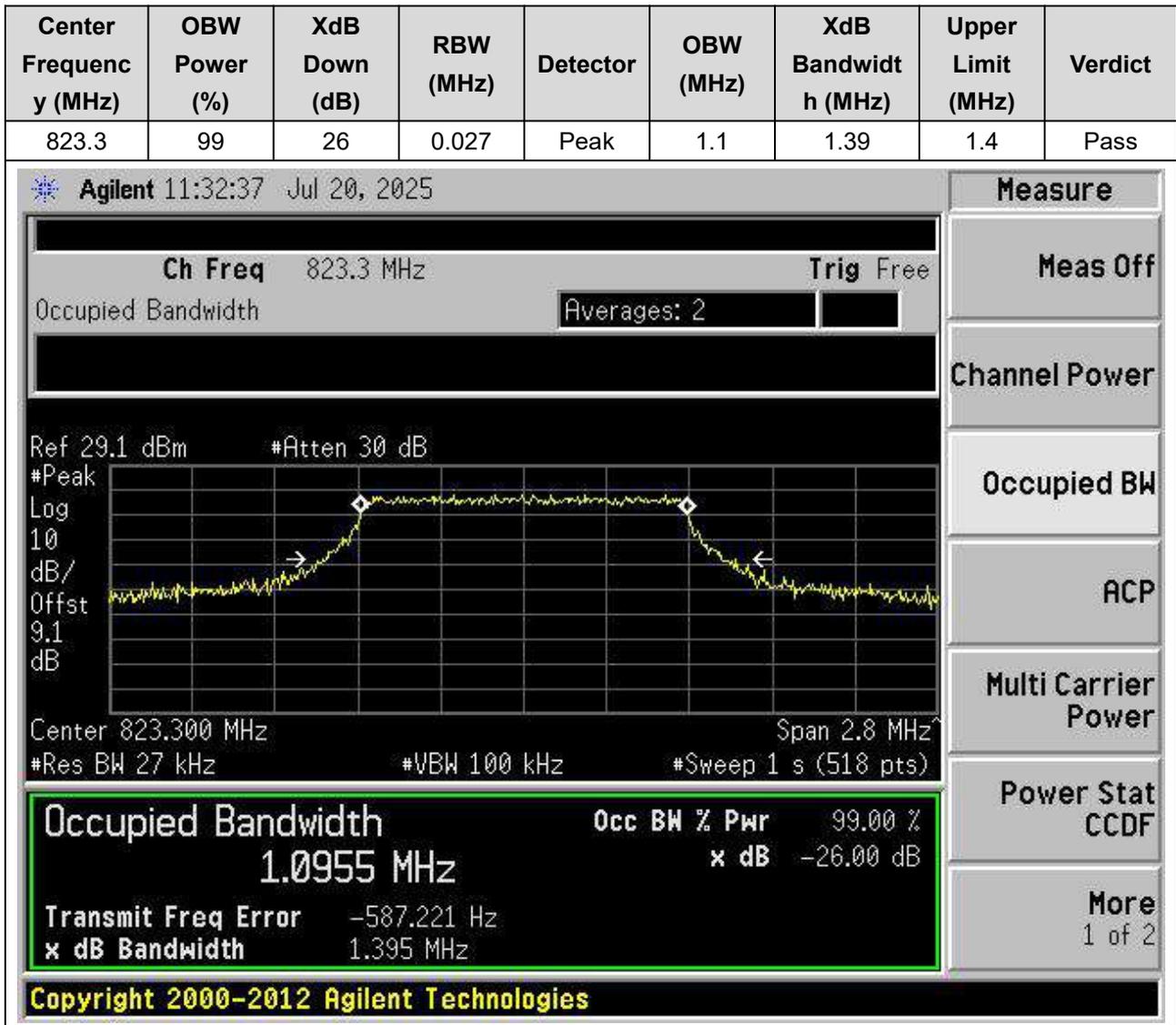
2.8. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:26740, Bandwidth:1.4, Modulation:256QAM, RB Number:6, RB Position:0)



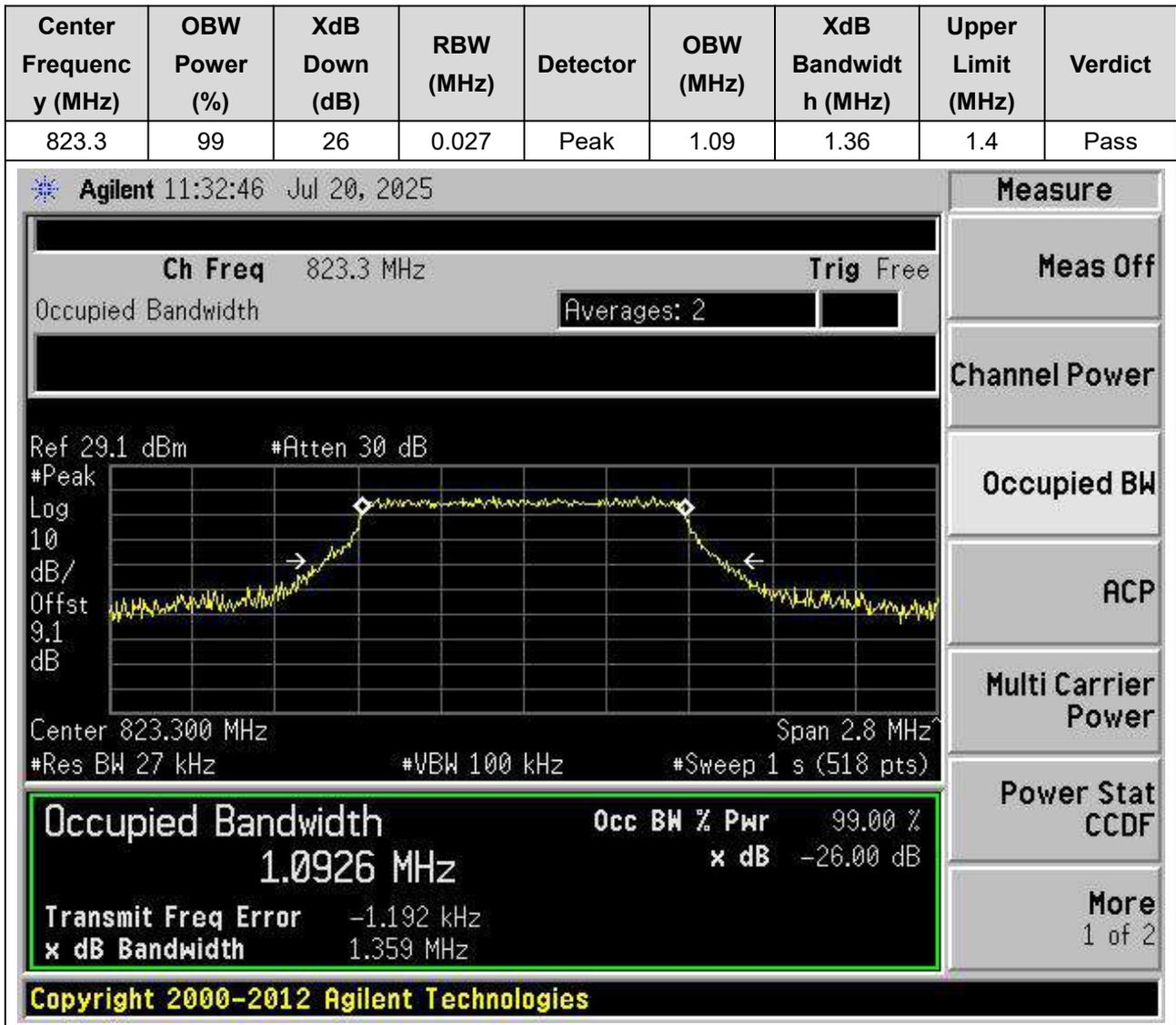
2.9. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:26783, Bandwidth:1.4, Modulation:QPSK, RB Number:6, RB Position:0)



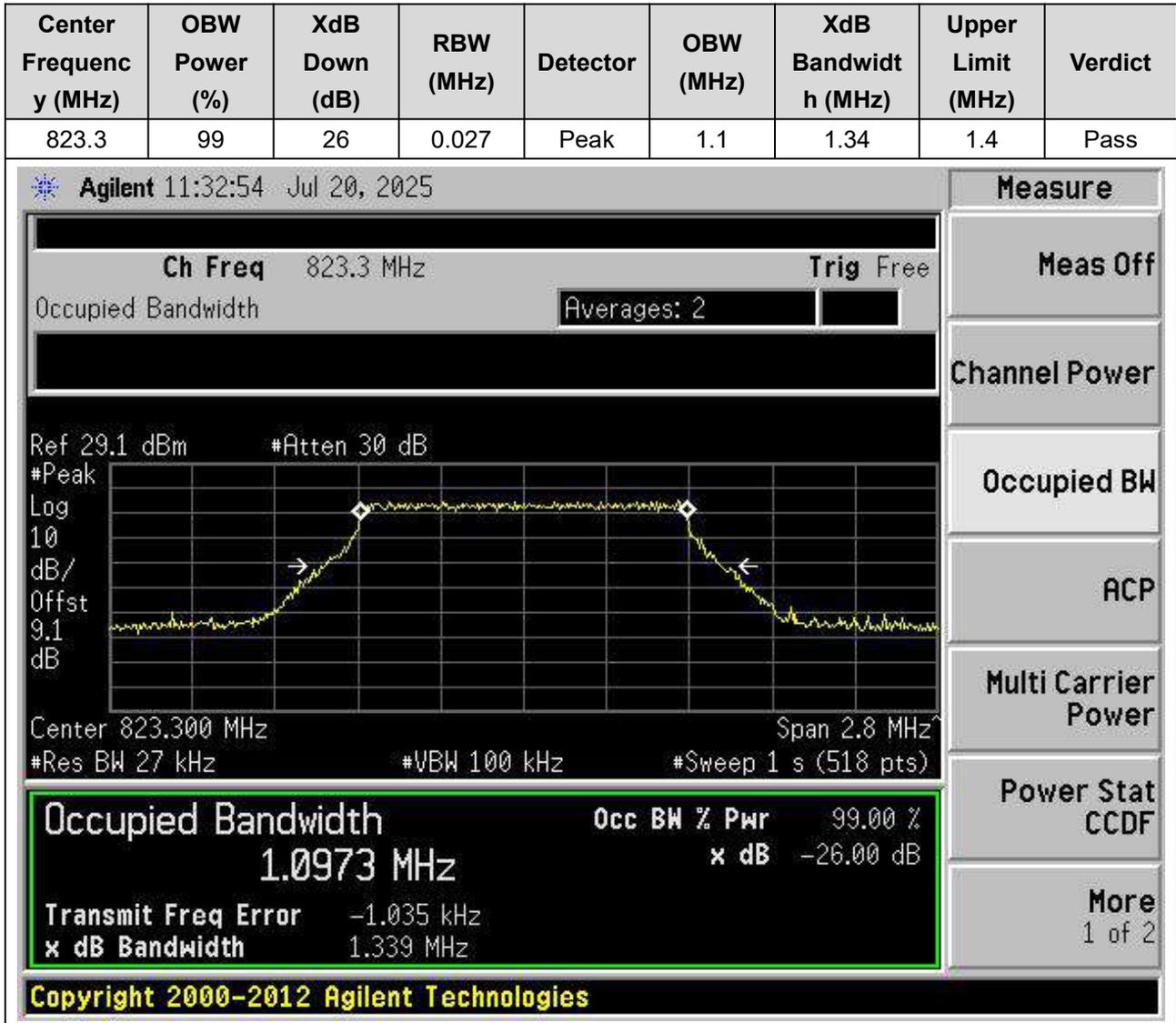
2.10. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:26783, Bandwidth:1.4, Modulation:16QAM, RB Number:6, RB Position:0)



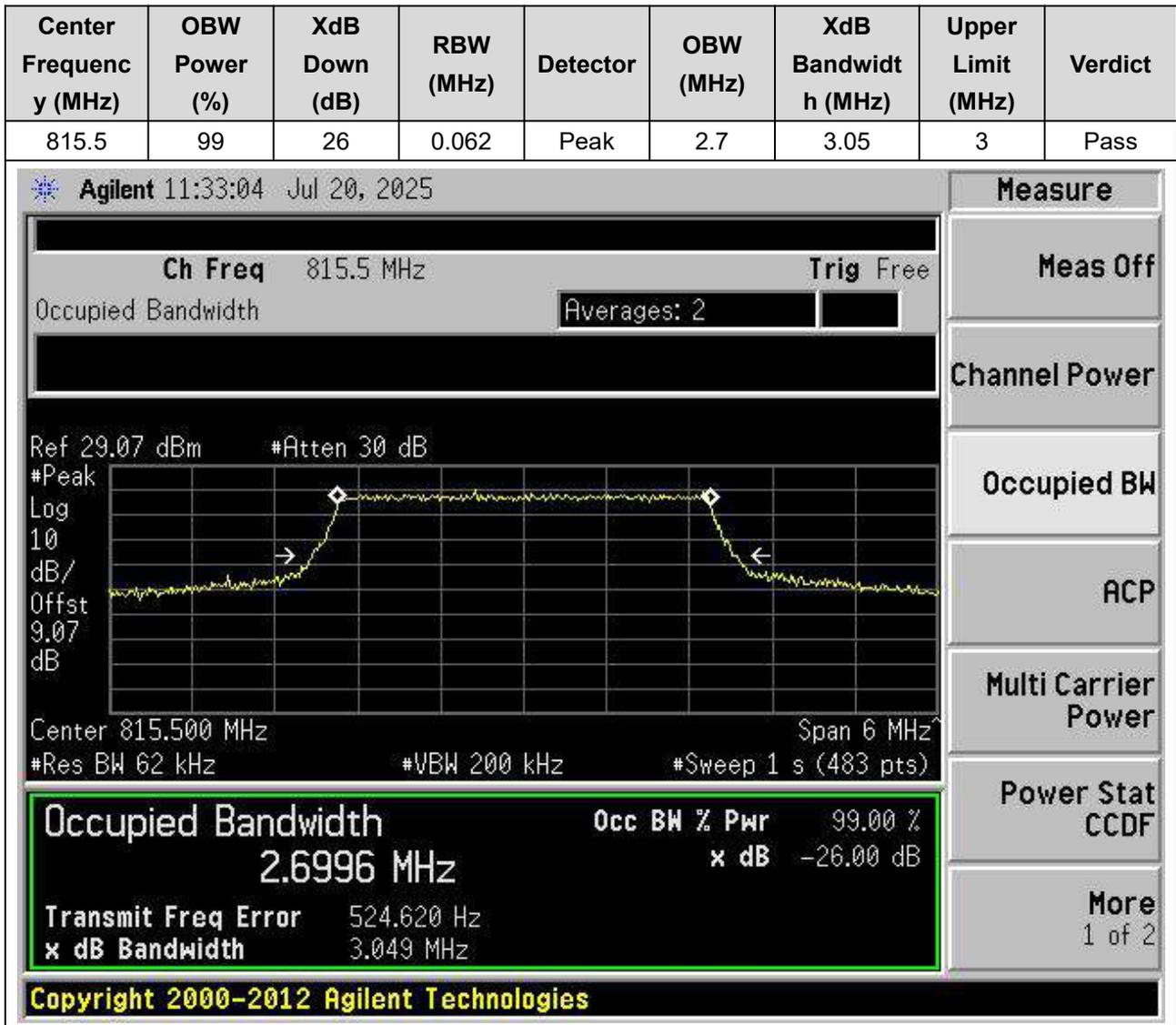
2.11. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:26783, Bandwidth:1.4, Modulation:64QAM, RB Number:6, RB Position:0)



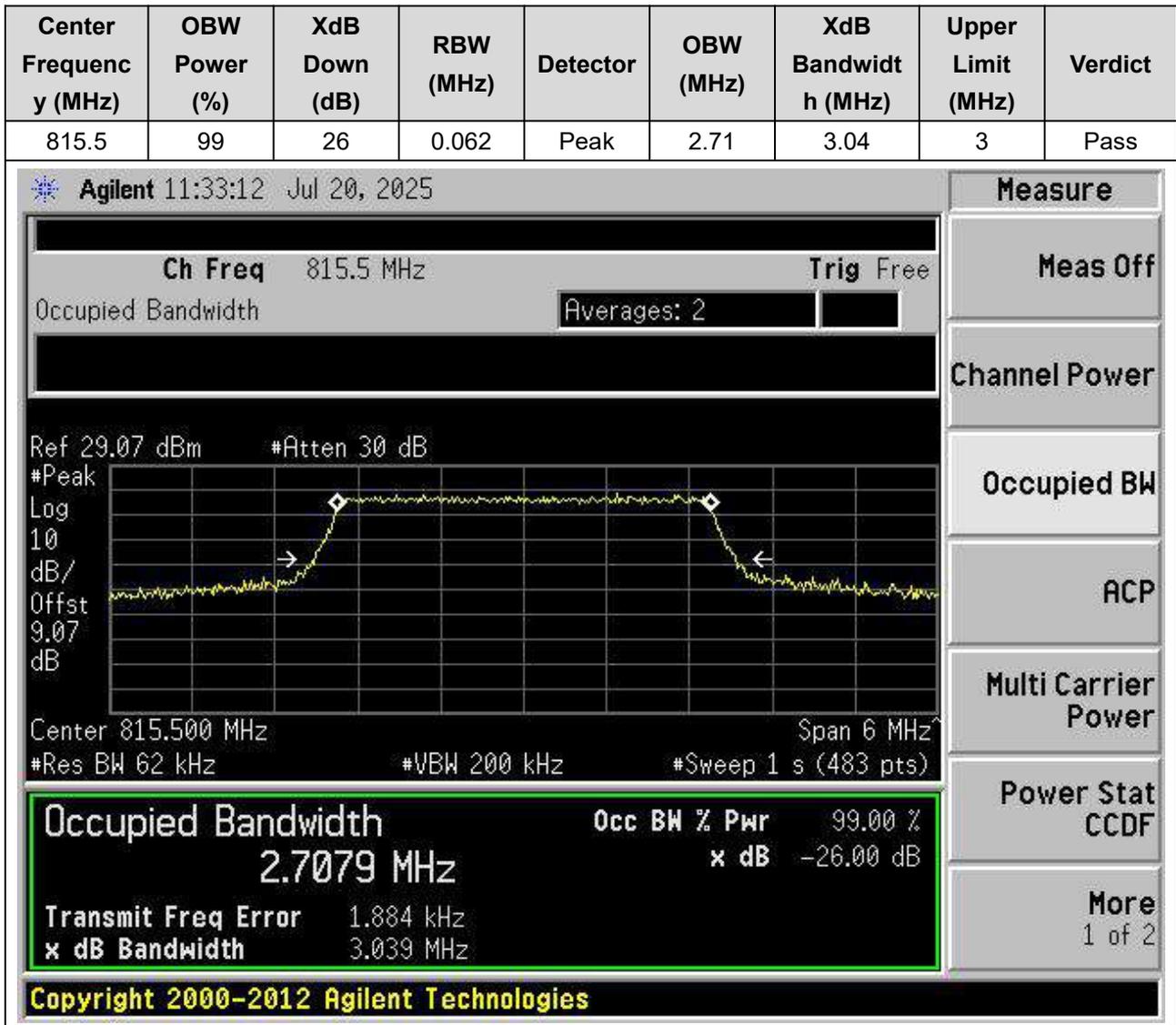
2.12. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:26783, Bandwidth:1.4, Modulation:256QAM, RB Number:6, RB Position:0)



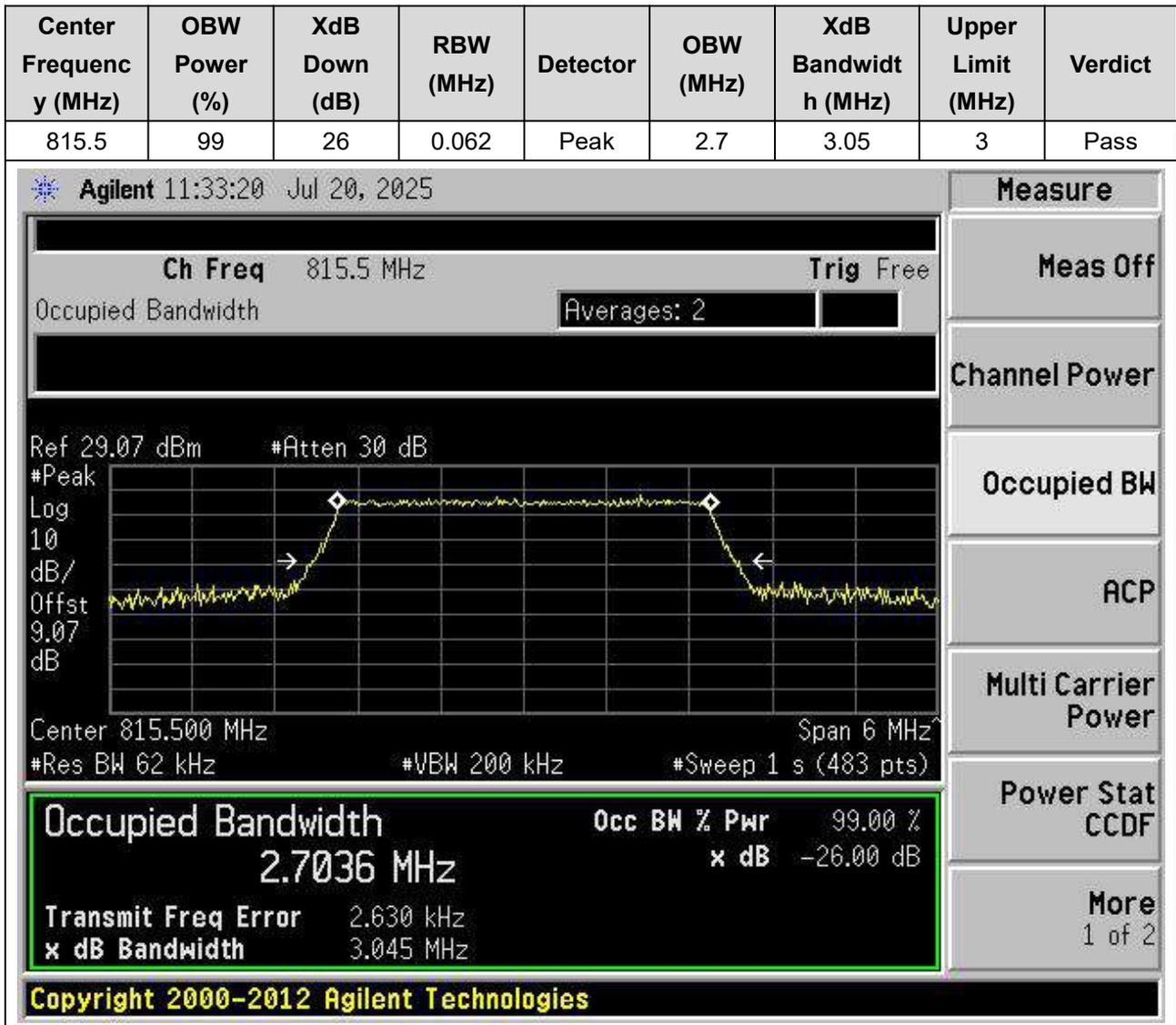
2.13. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:26705, Bandwidth:3, Modulation:QPSK, RB Number:15, RB Position:0)



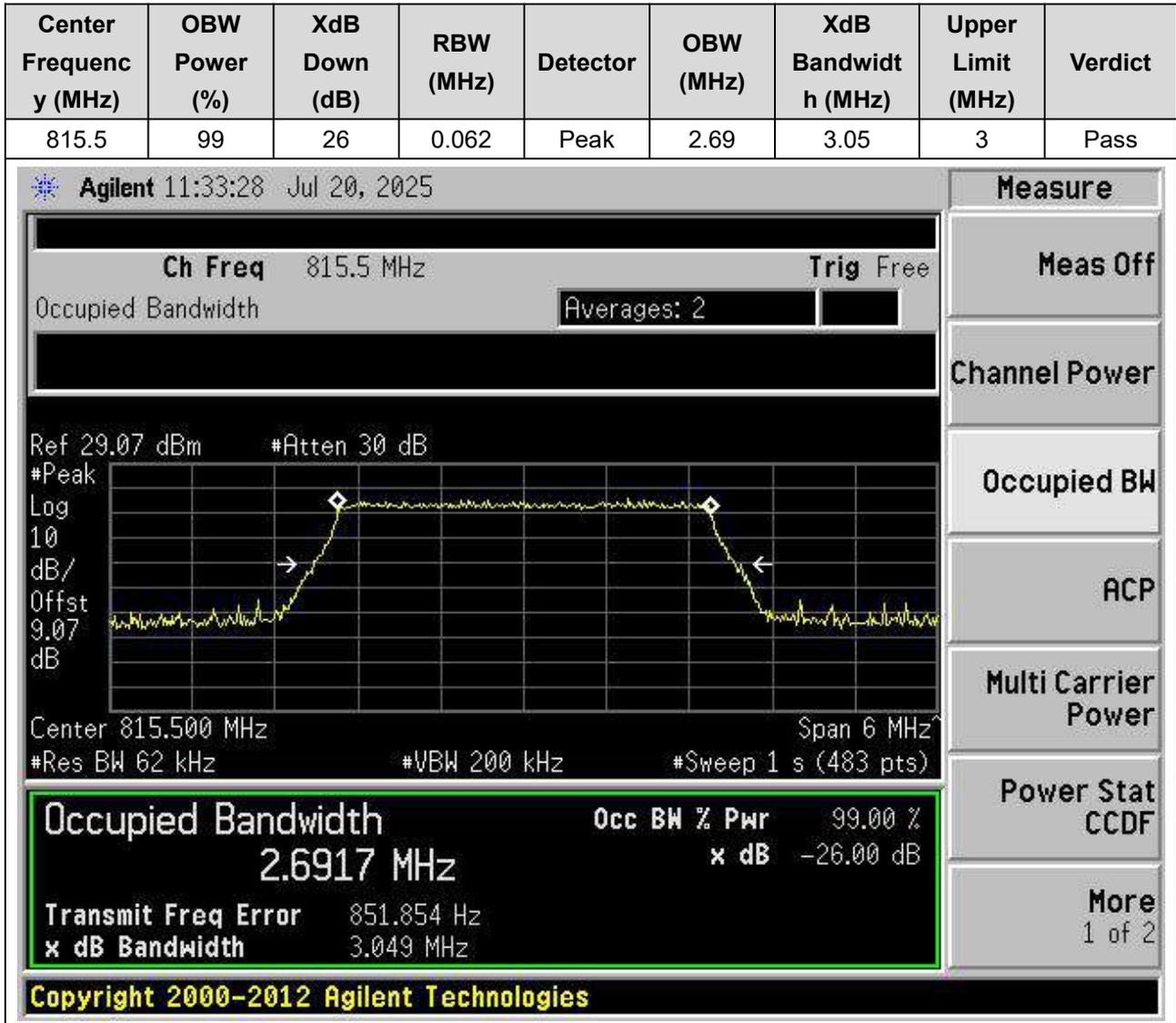
2.14. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:26705, Bandwidth:3, Modulation:16QAM, RB Number:15, RB Position:0)



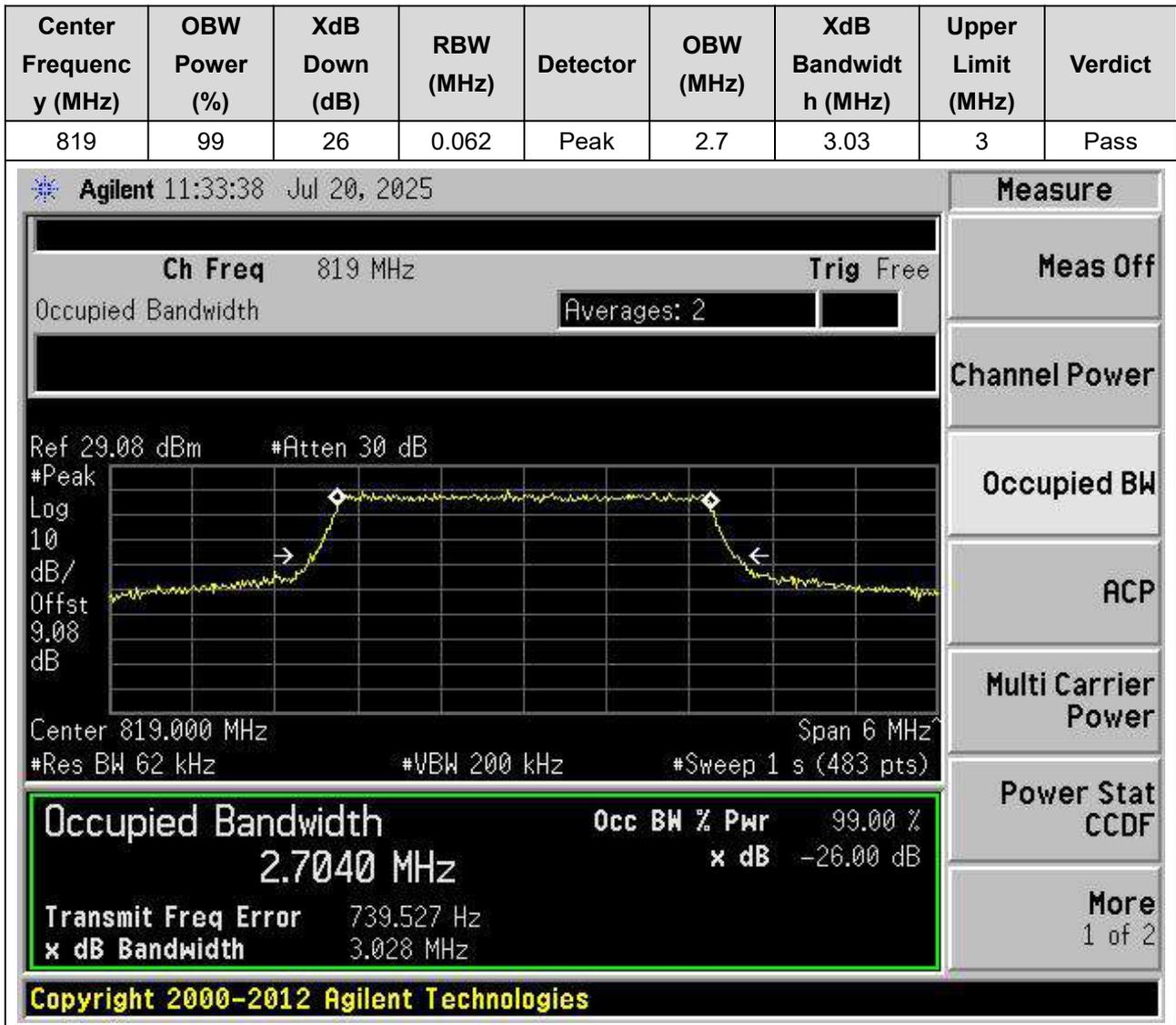
2.15. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:26705, Bandwidth:3, Modulation:64QAM, RB Number:15, RB Position:0)



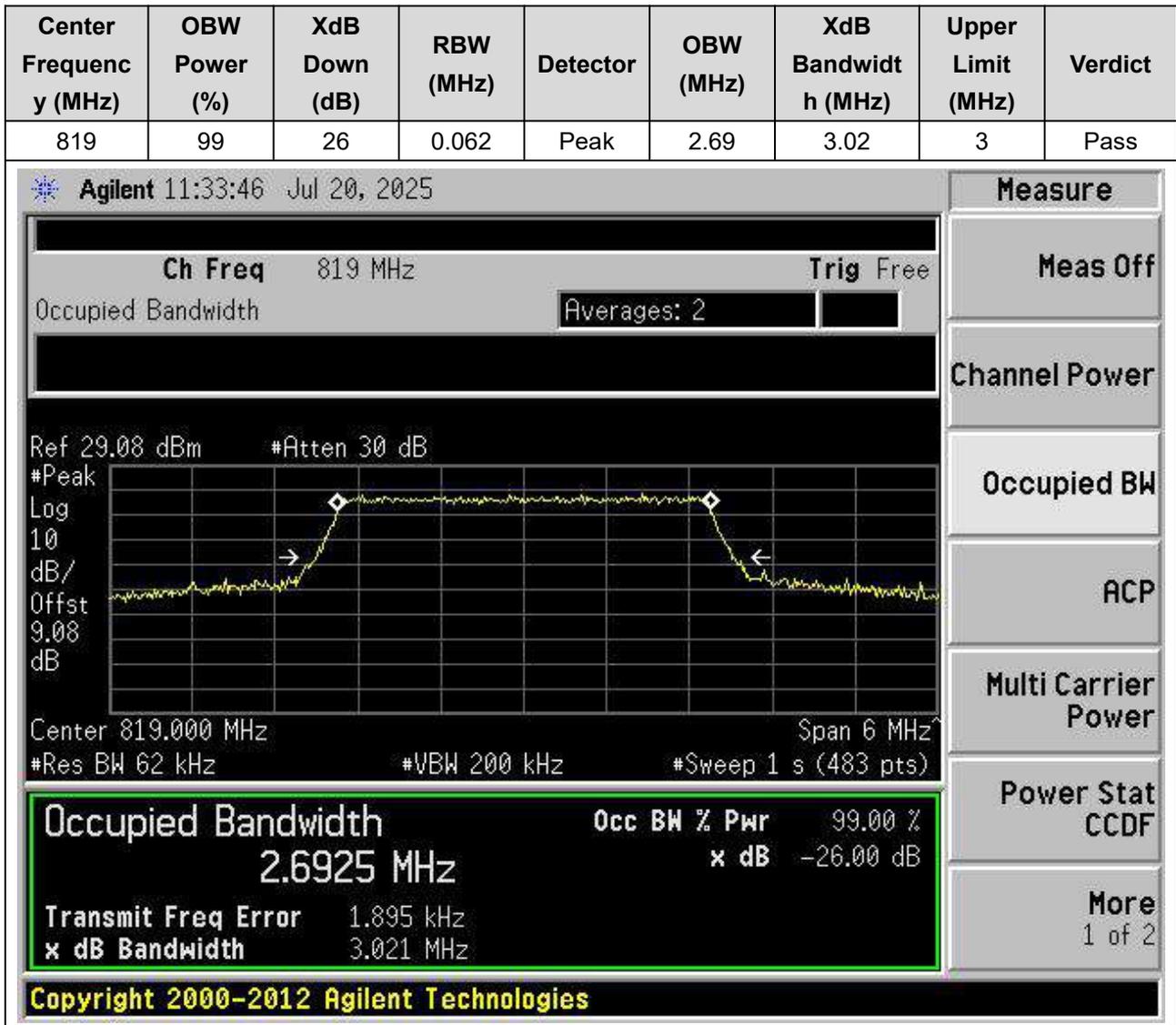
2.16. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:26705, Bandwidth:3, Modulation:256QAM, RB Number:15, RB Position:0)



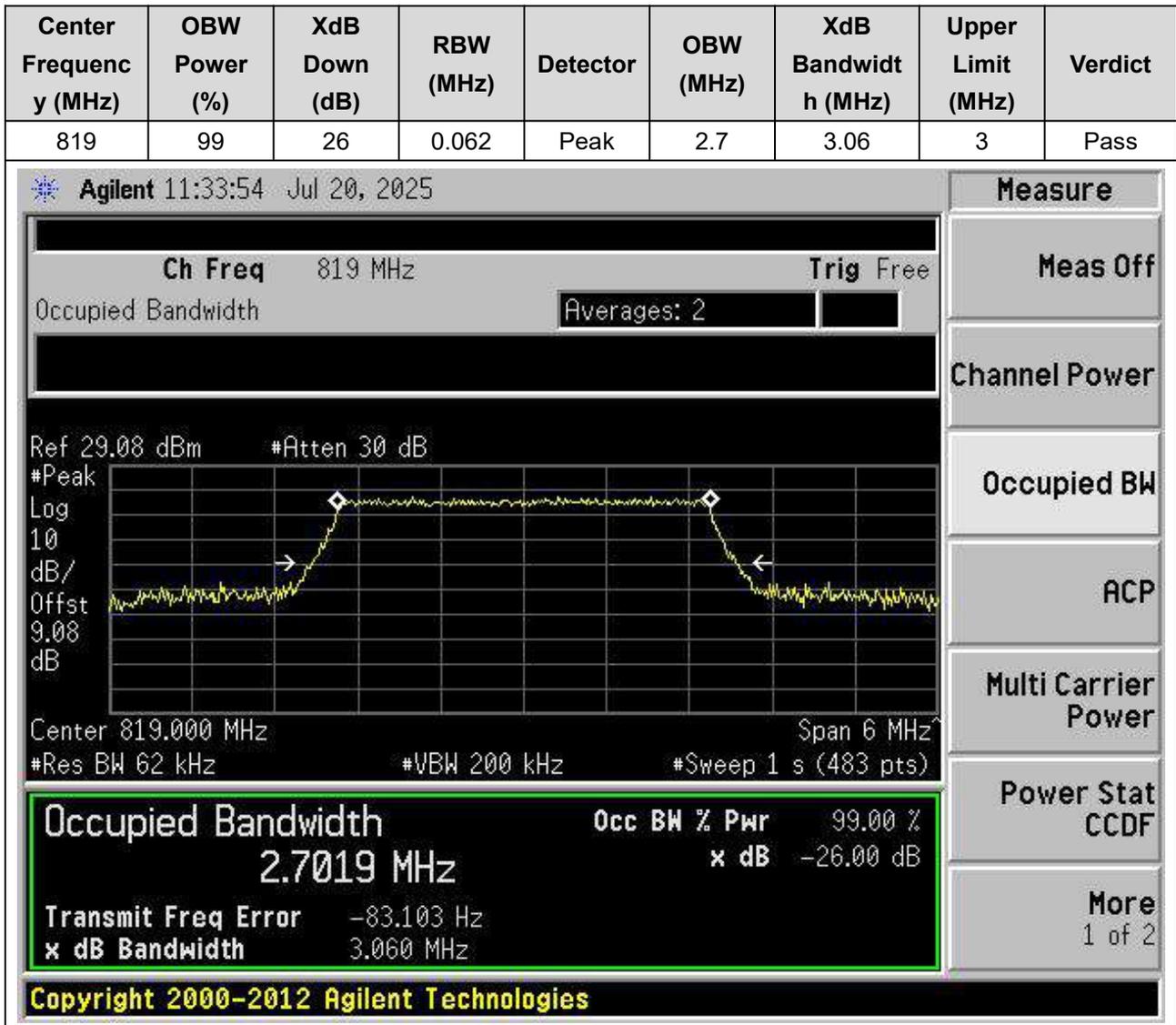
2.17. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:26740, Bandwidth:3, Modulation:QPSK, RB Number:15, RB Position:0)



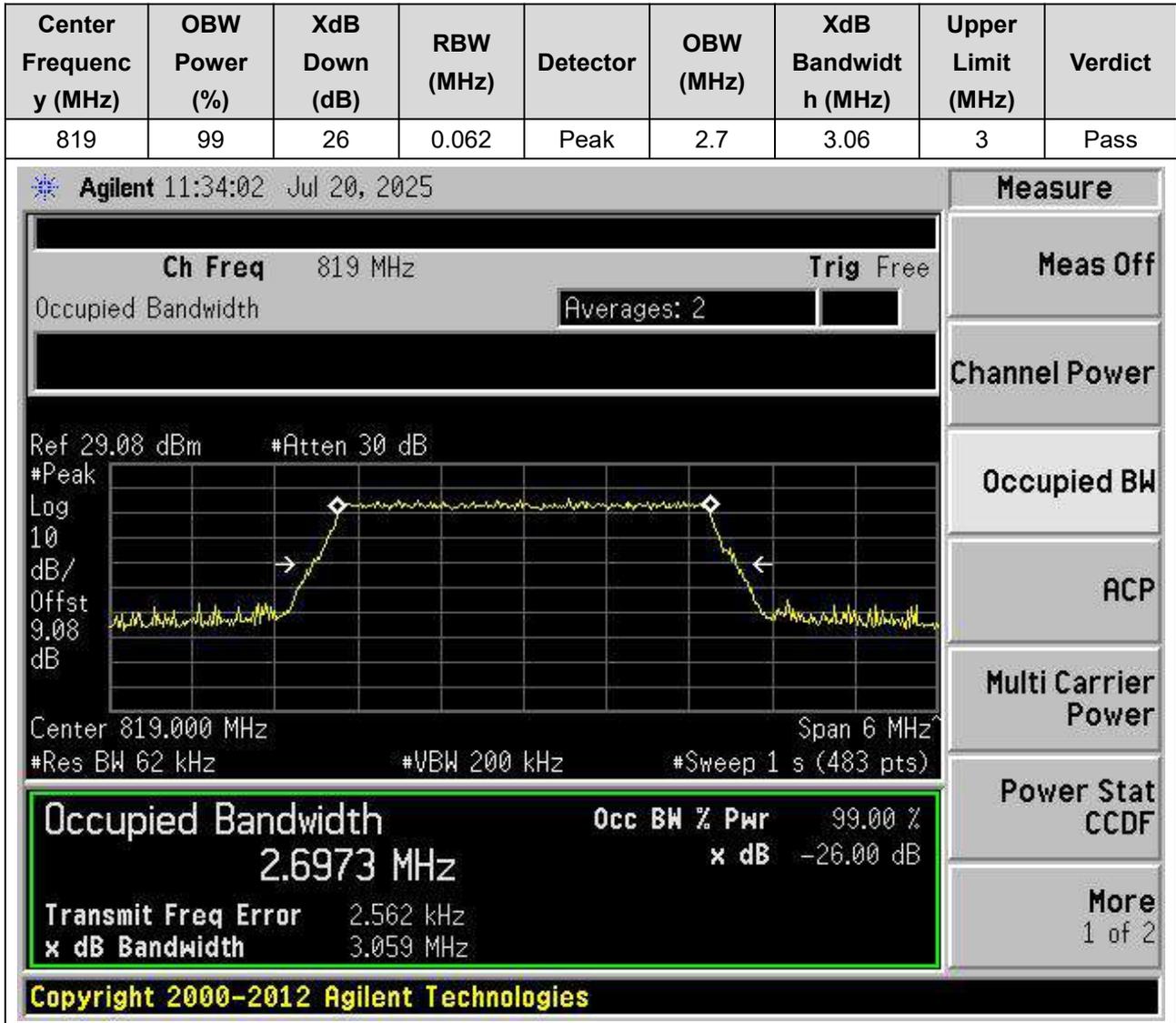
2.18. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:26740, Bandwidth:3, Modulation:16QAM, RB Number:15, RB Position:0)



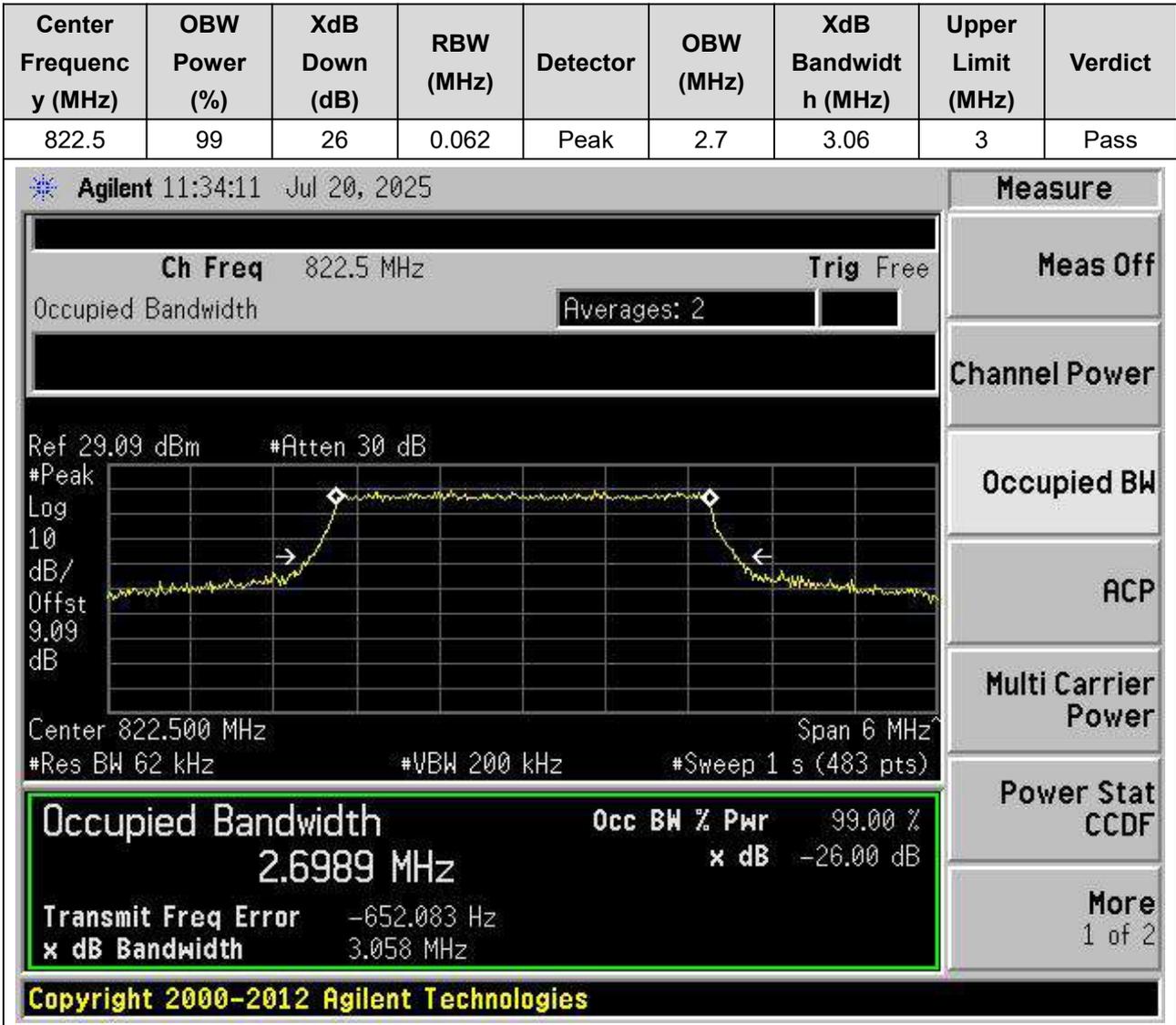
2.19. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:26740, Bandwidth:3, Modulation:64QAM, RB Number:15, RB Position:0)



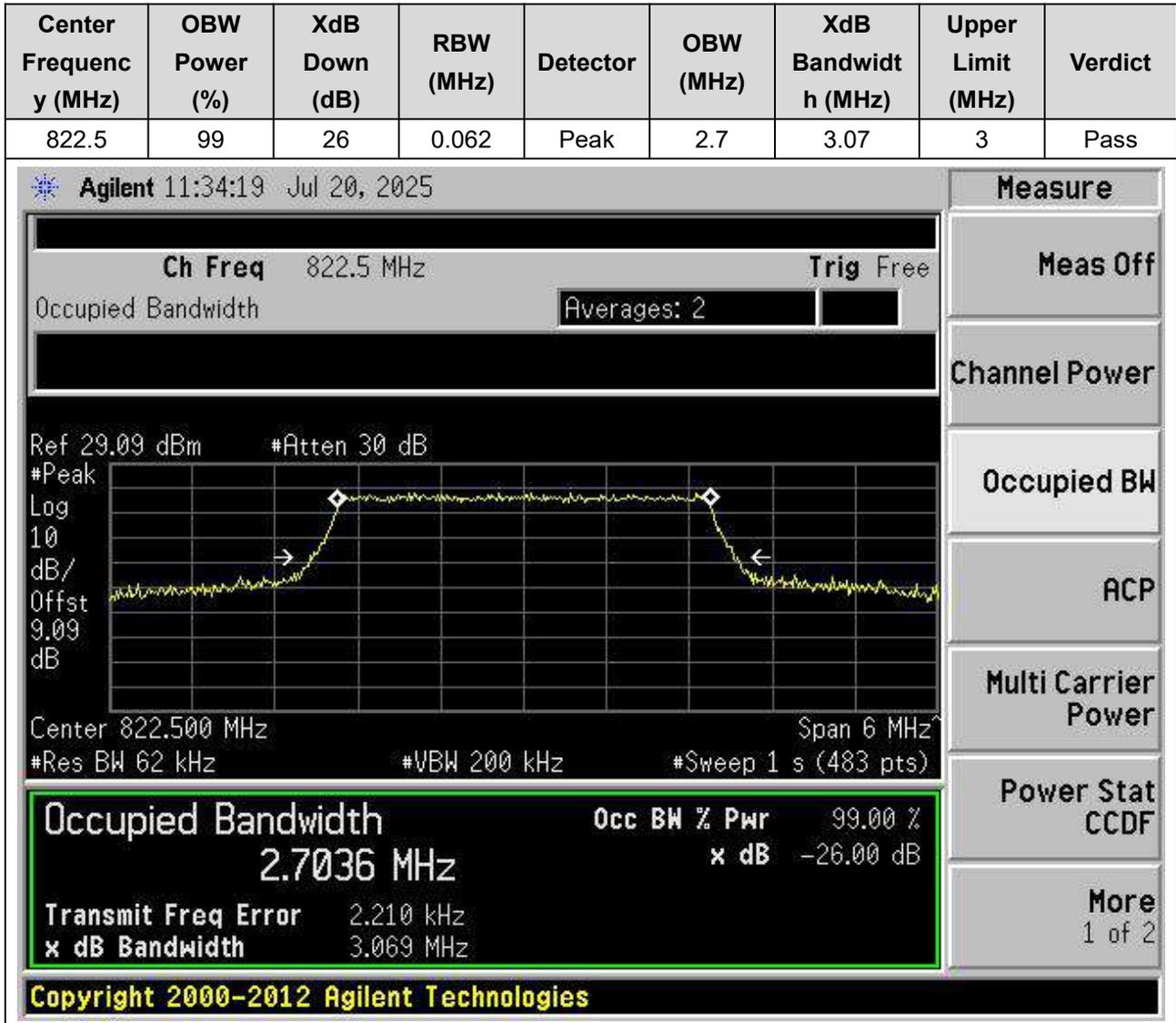
2.20. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:26740, Bandwidth:3, Modulation:256QAM, RB Number:15, RB Position:0)



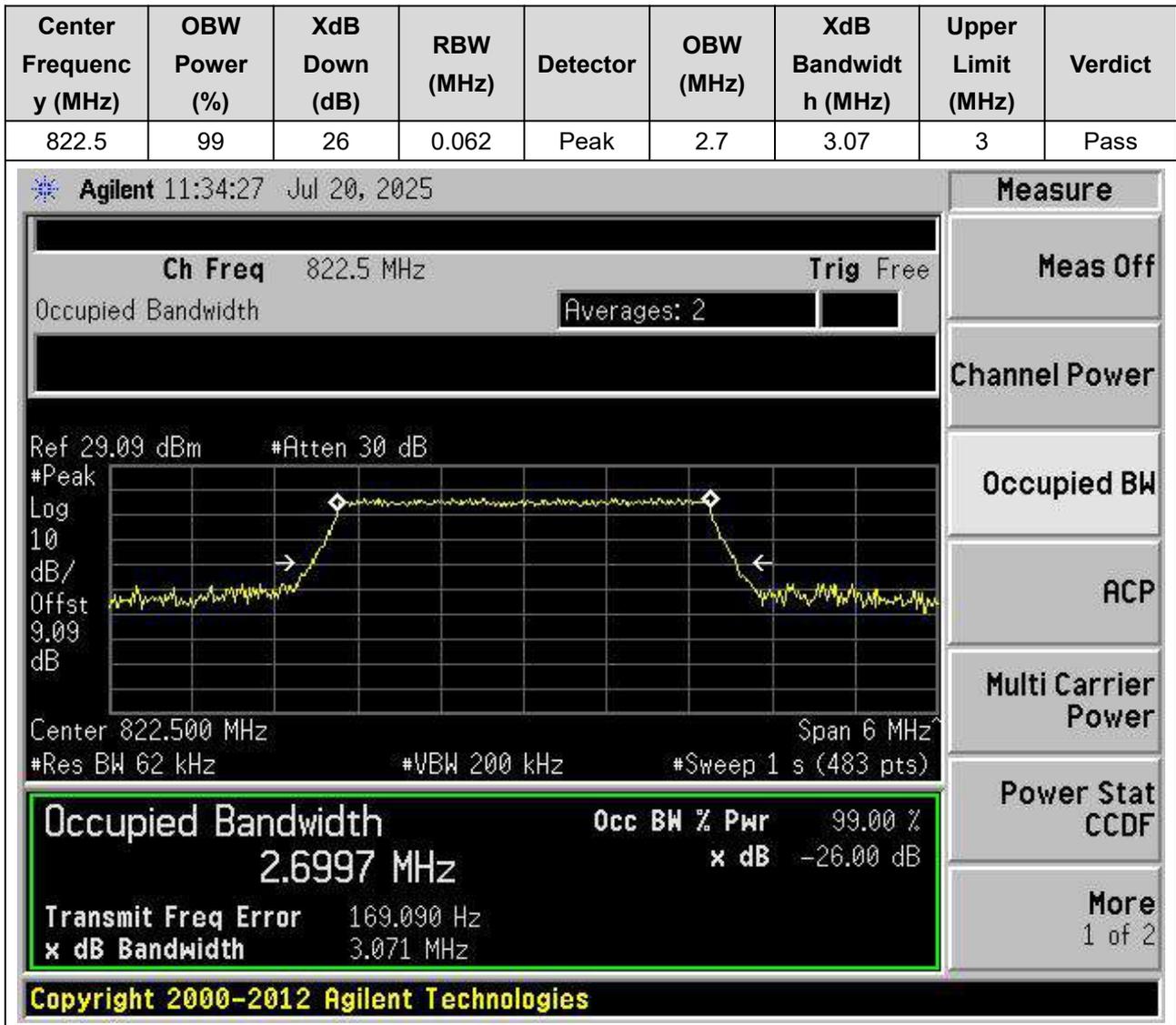
2.21. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:26775, Bandwidth:3, Modulation:QPSK, RB Number:15, RB Position:0)



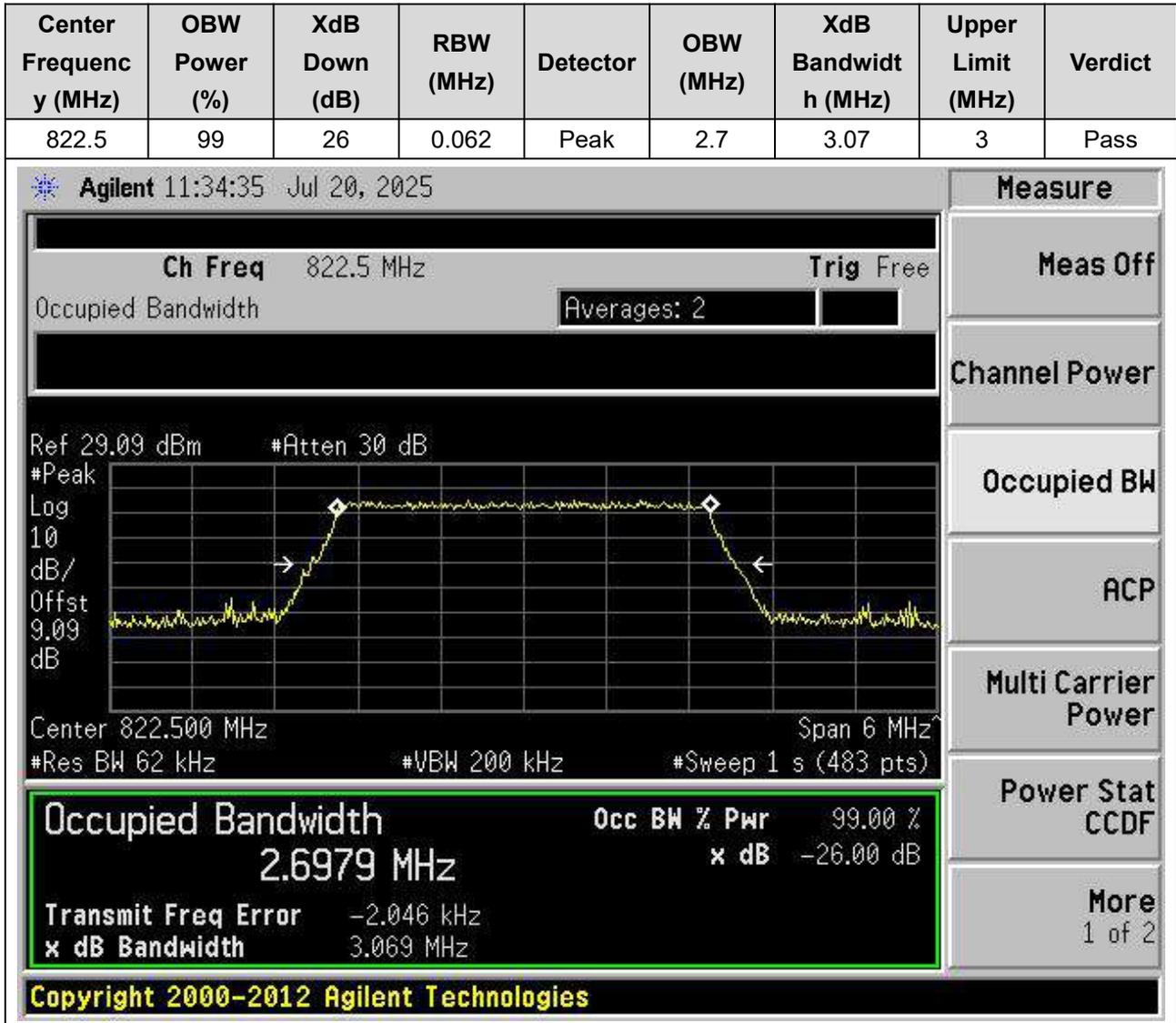
2.22. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:26775, Bandwidth:3, Modulation:16QAM, RB Number:15, RB Position:0)



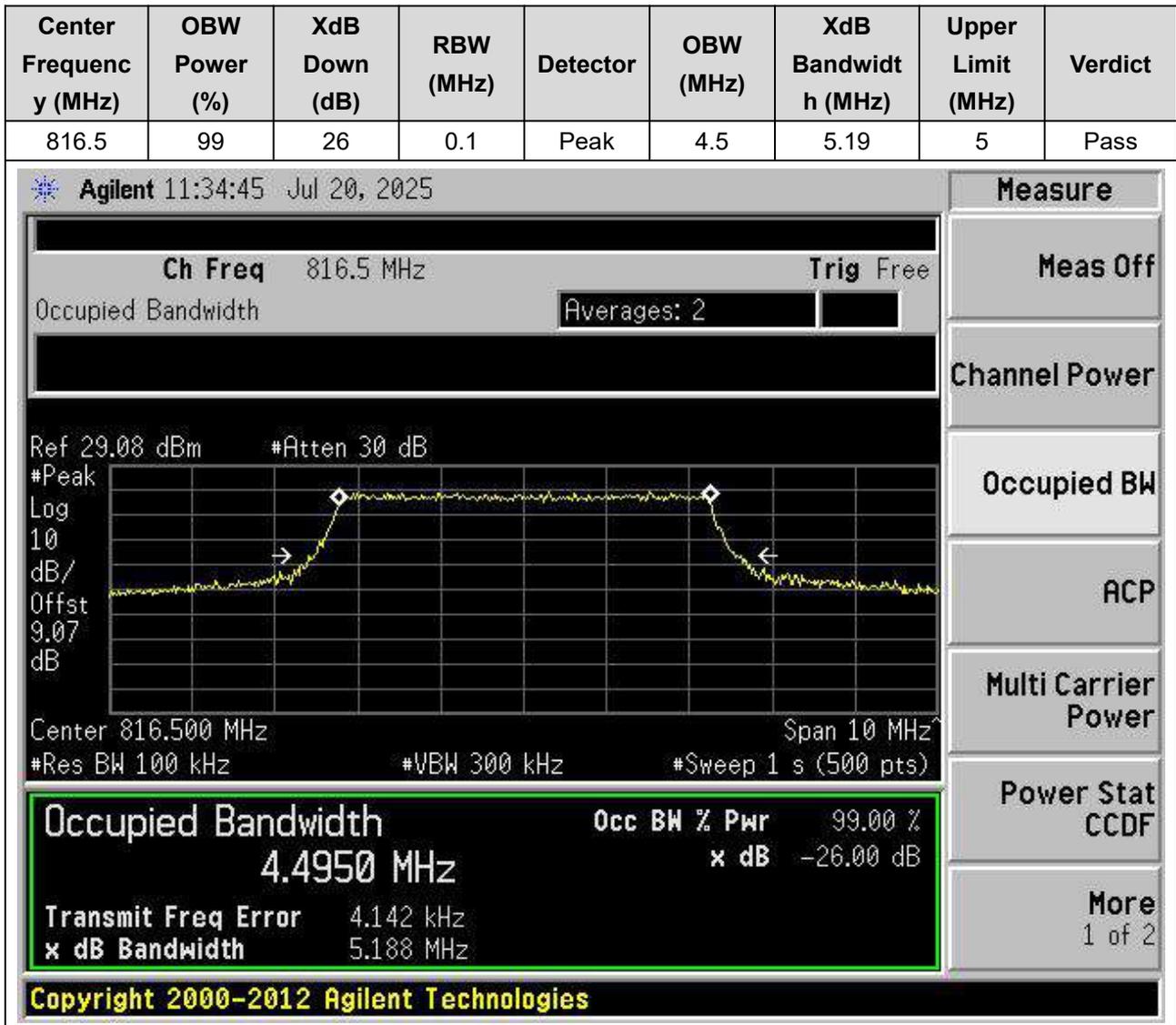
2.23. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:26775, Bandwidth:3, Modulation:64QAM, RB Number:15, RB Position:0)



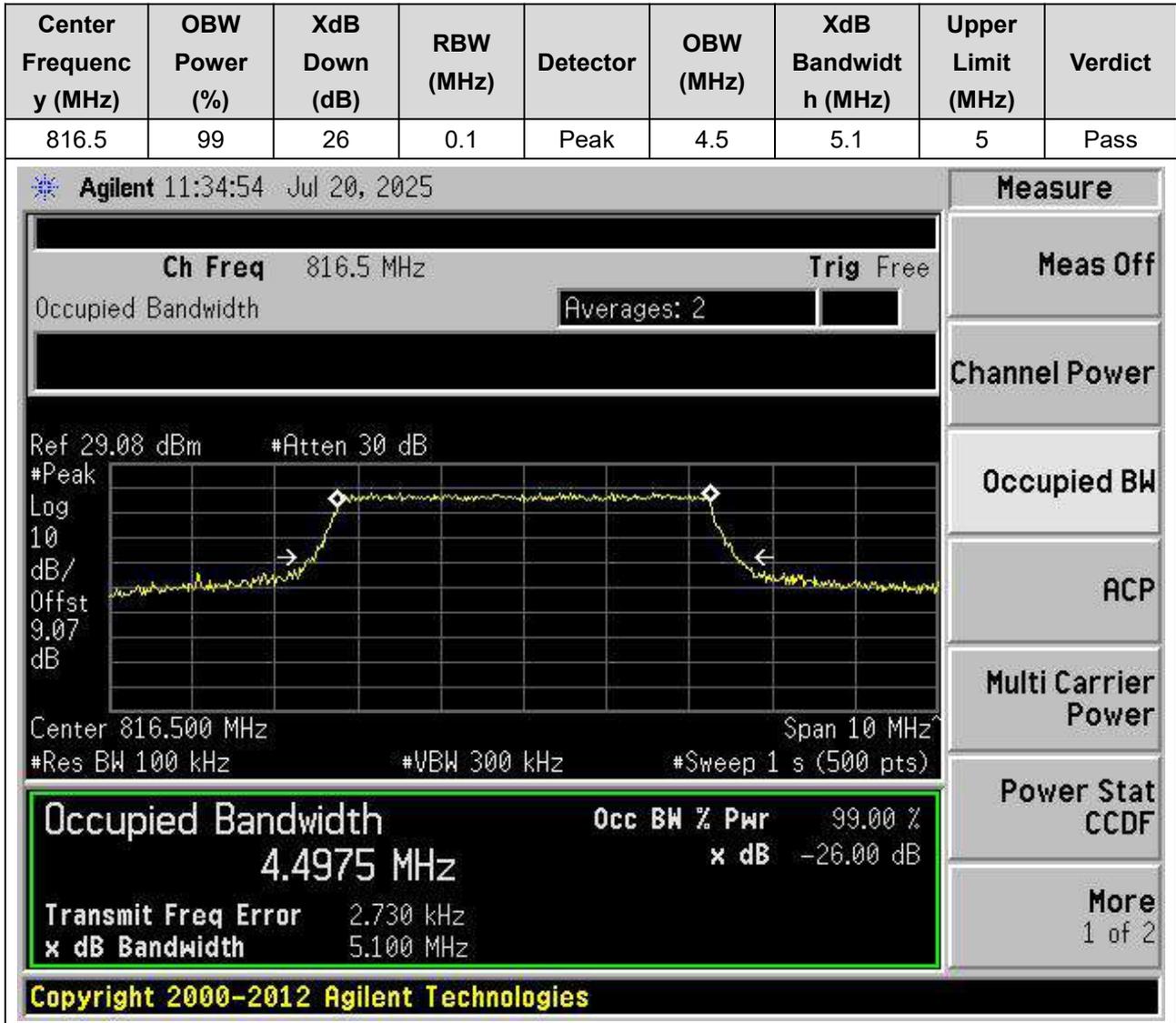
2.24. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:26775, Bandwidth:3, Modulation:256QAM, RB Number:15, RB Position:0)



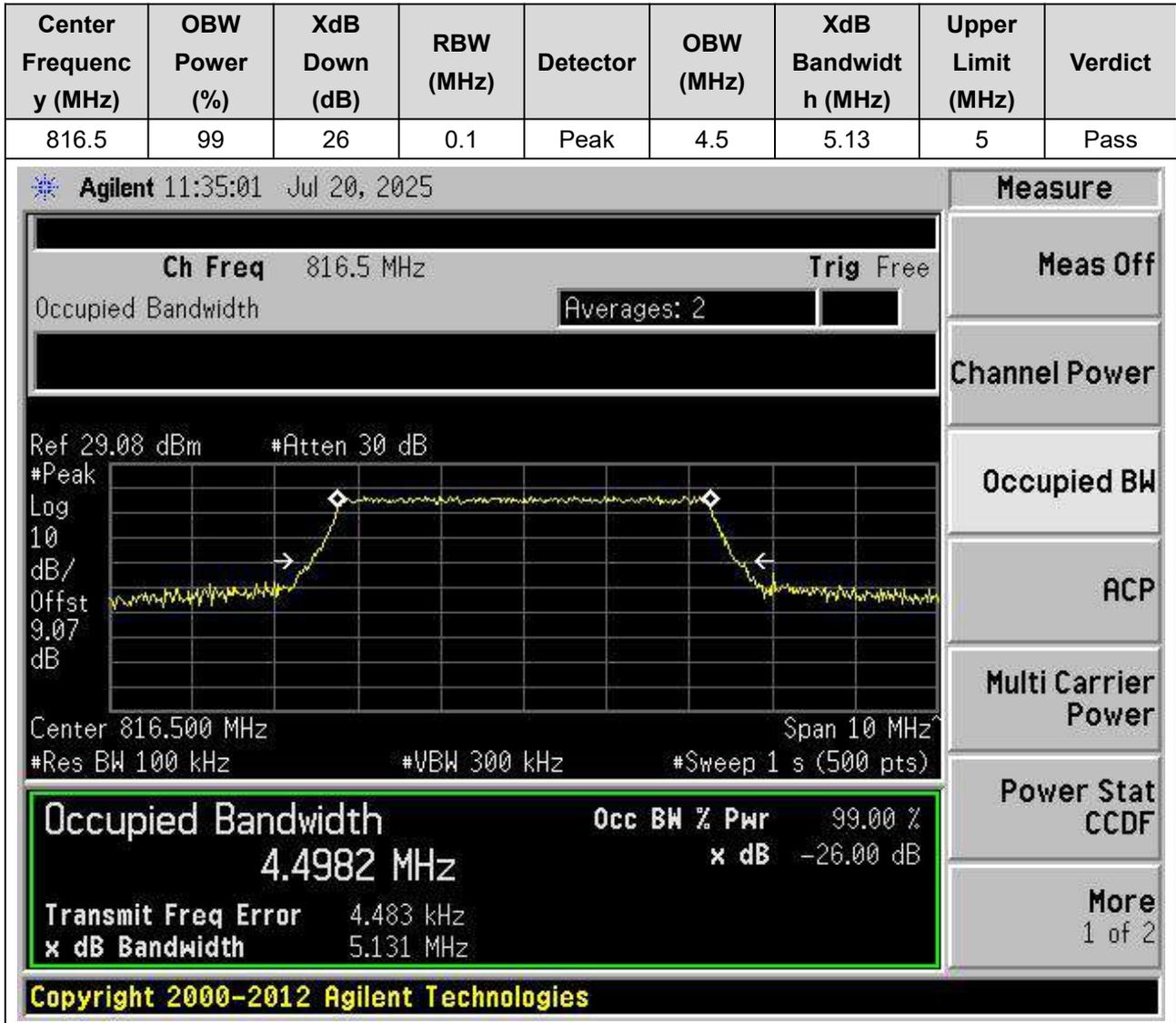
2.25. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:26715, Bandwidth:5, Modulation:QPSK, RB Number:25, RB Position:0)



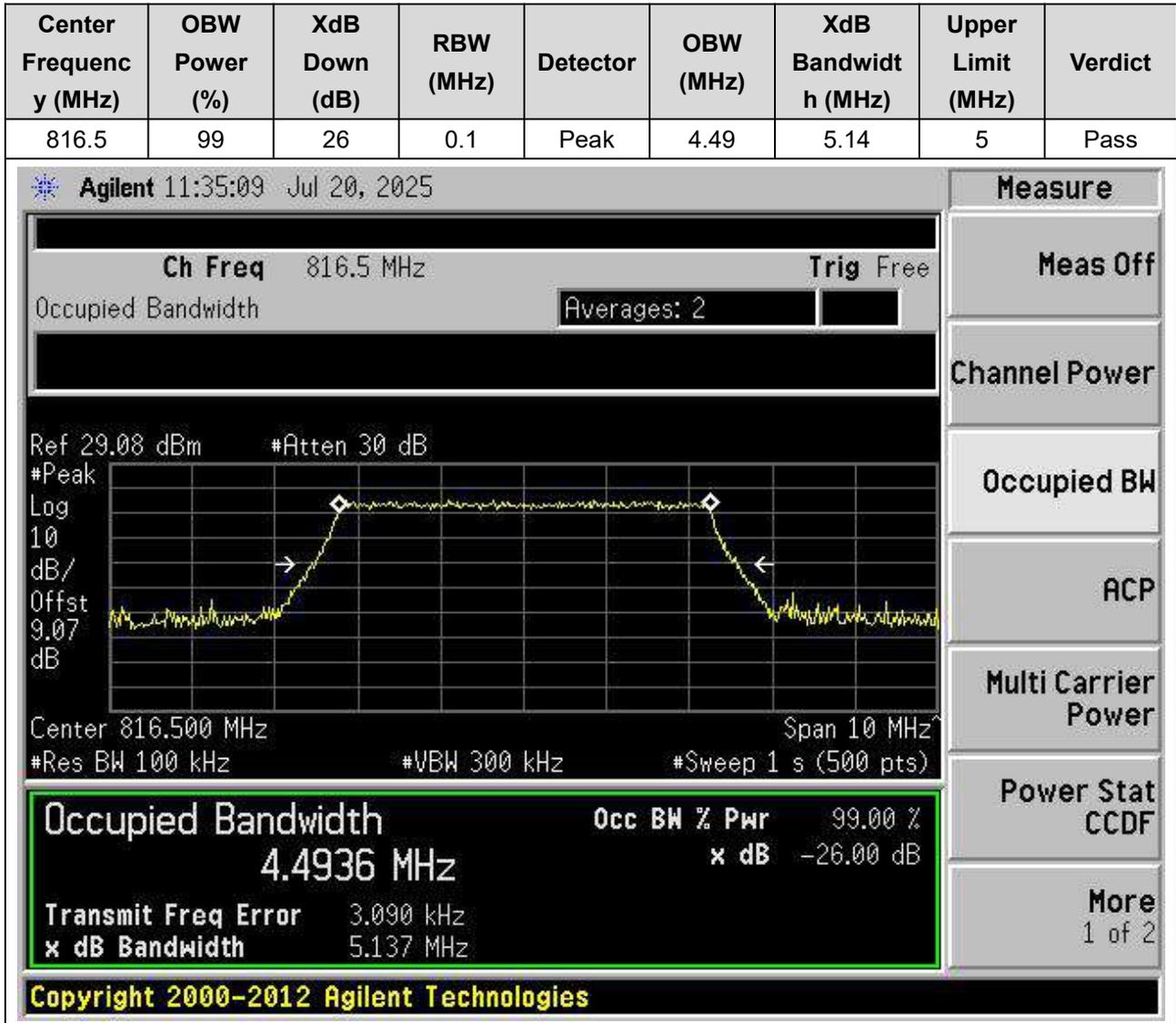
2.26. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:26715, Bandwidth:5, Modulation:16QAM, RB Number:25, RB Position:0)



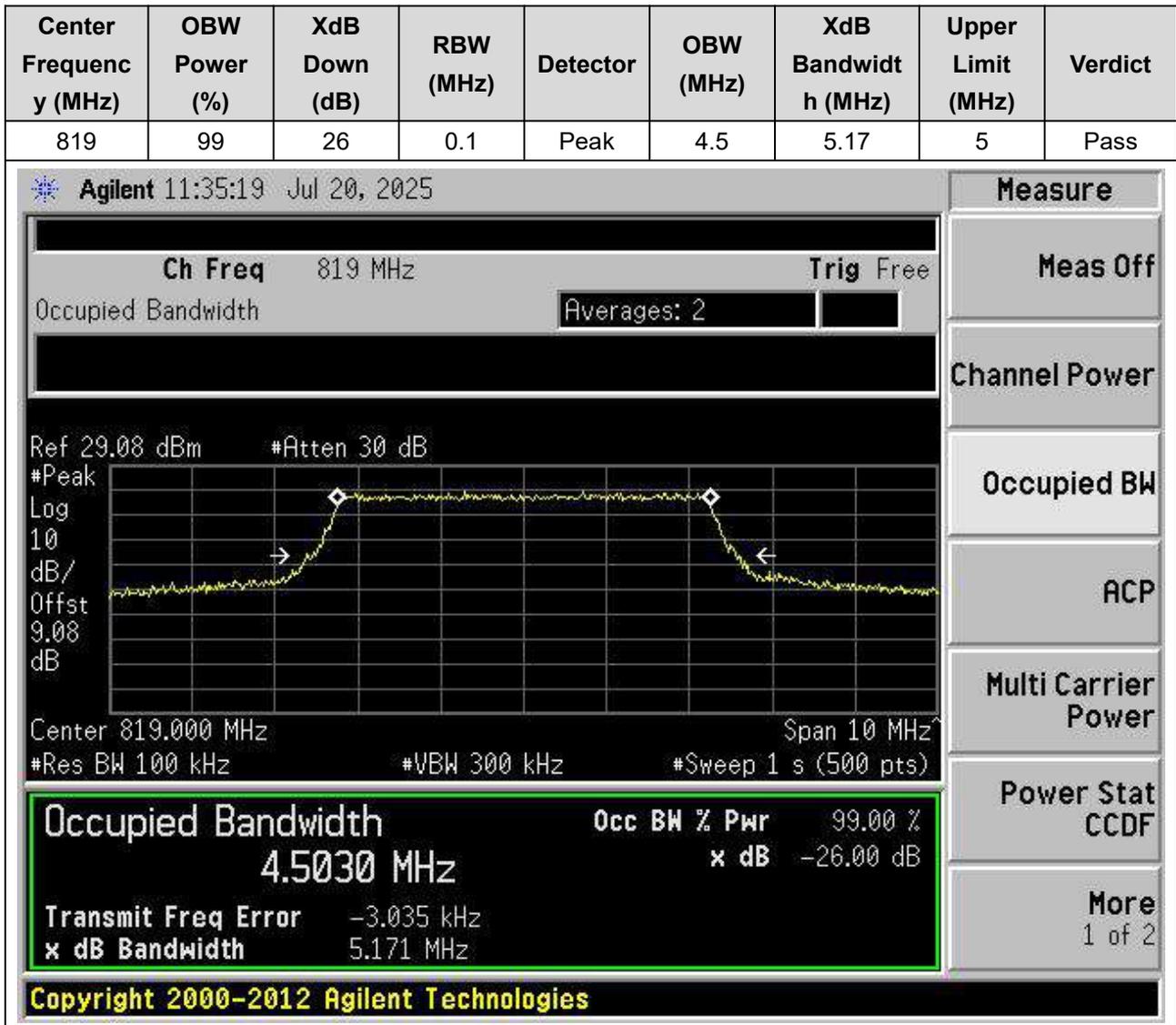
2.27. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:26715, Bandwidth:5, Modulation:64QAM, RB Number:25, RB Position:0)



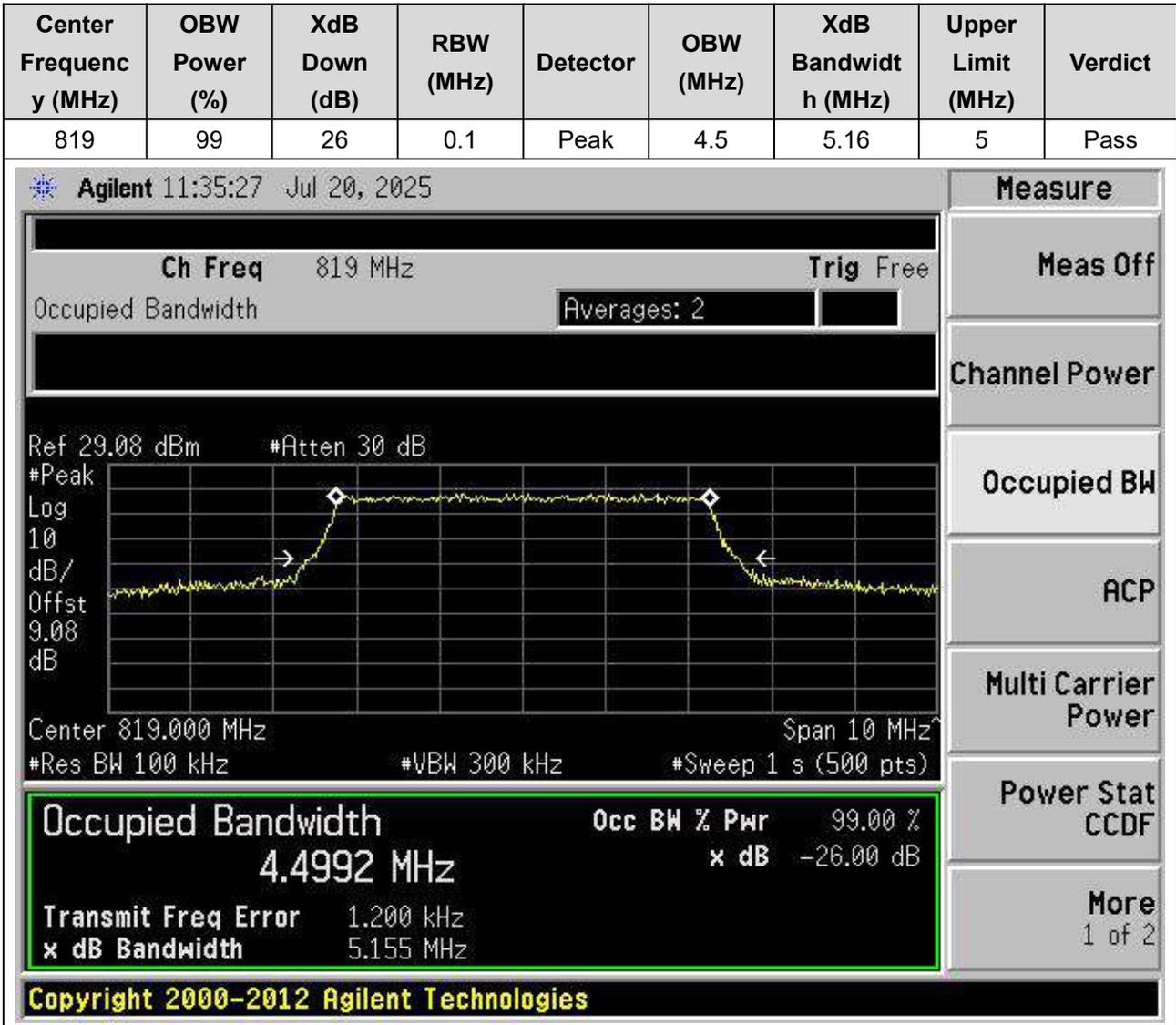
2.28. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:26715, Bandwidth:5, Modulation:256QAM, RB Number:25, RB Position:0)



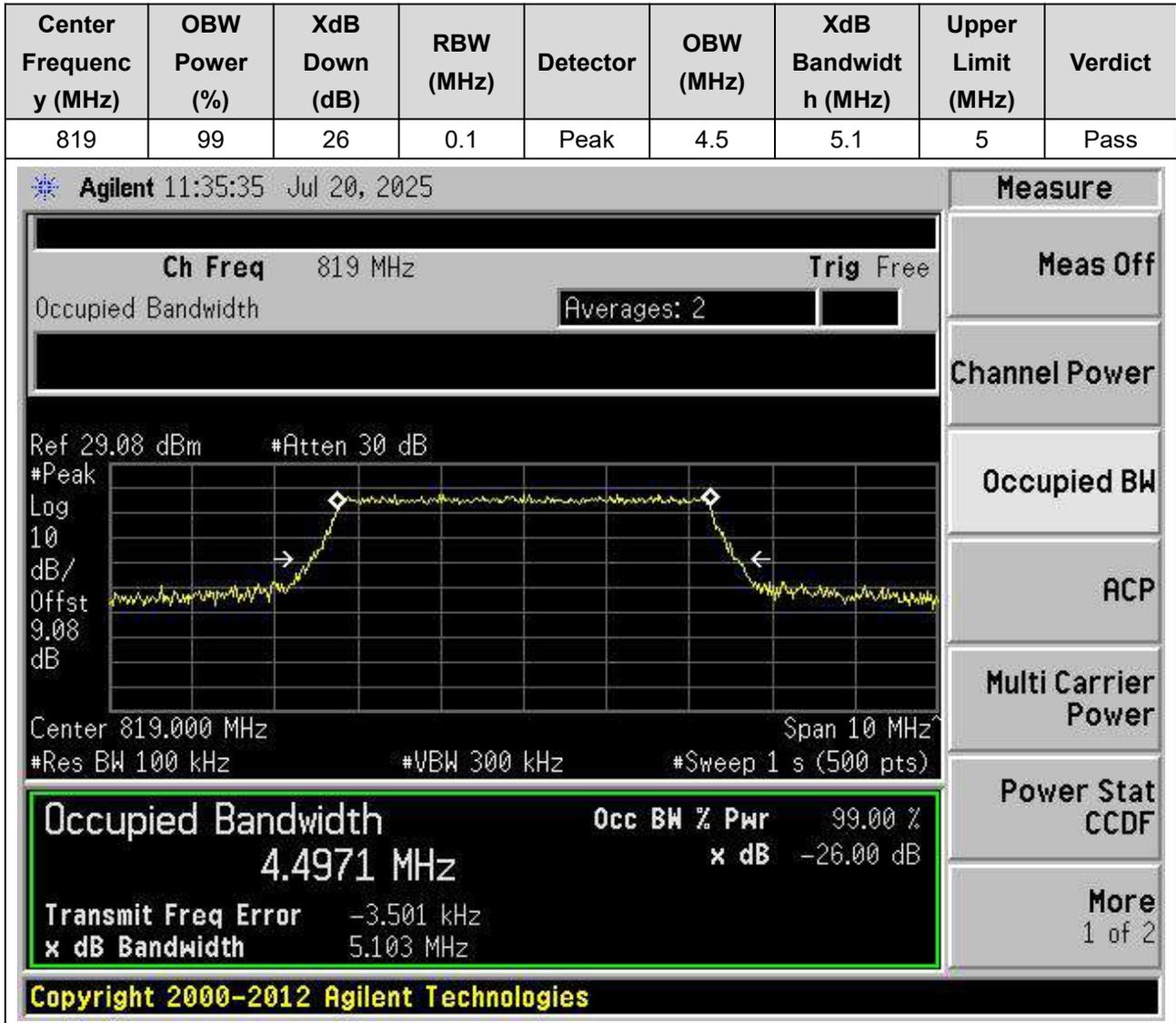
2.29. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:26740, Bandwidth:5, Modulation:QPSK, RB Number:25, RB Position:0)



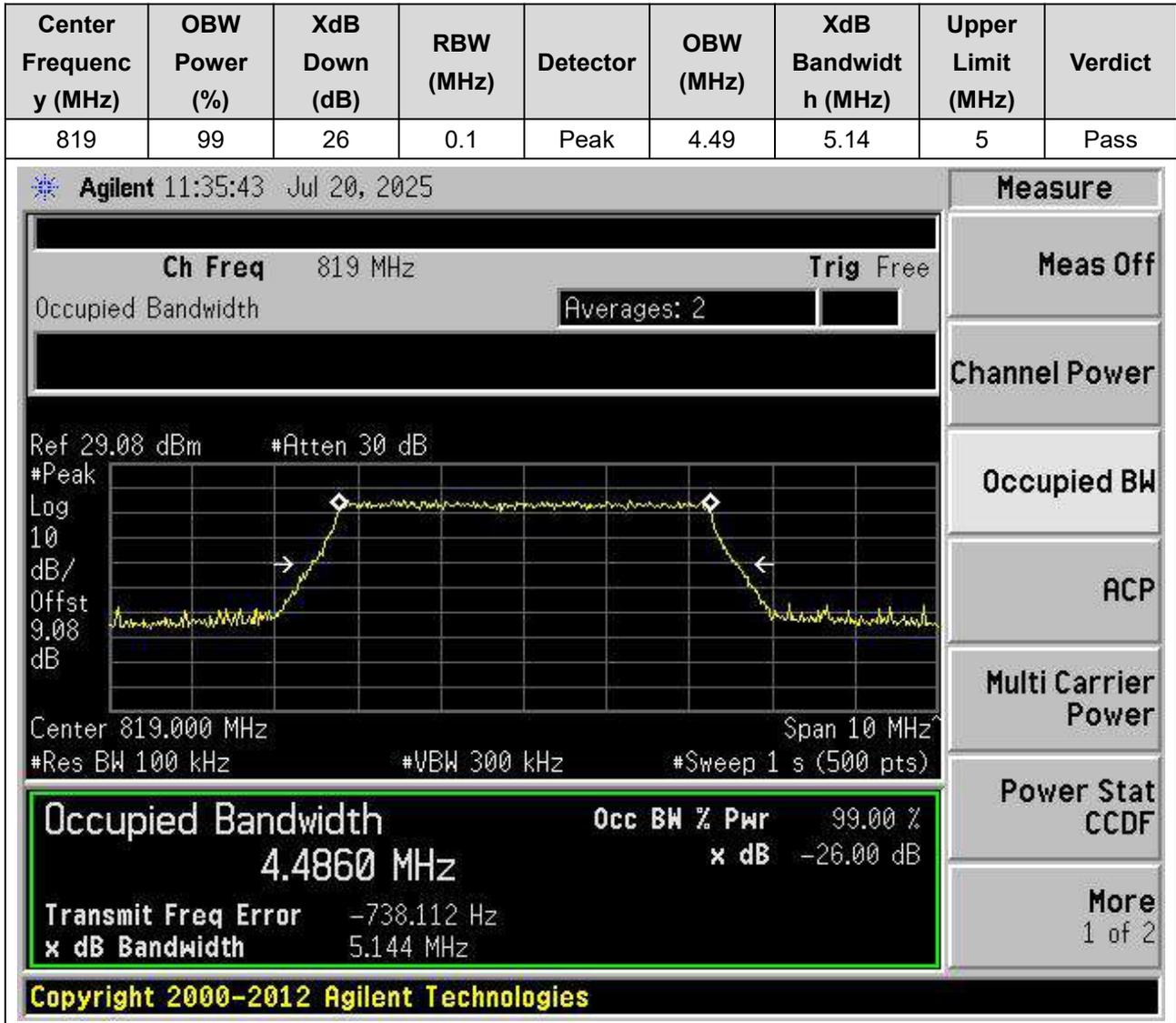
2.30. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:26740, Bandwidth:5, Modulation:16QAM, RB Number:25, RB Position:0)



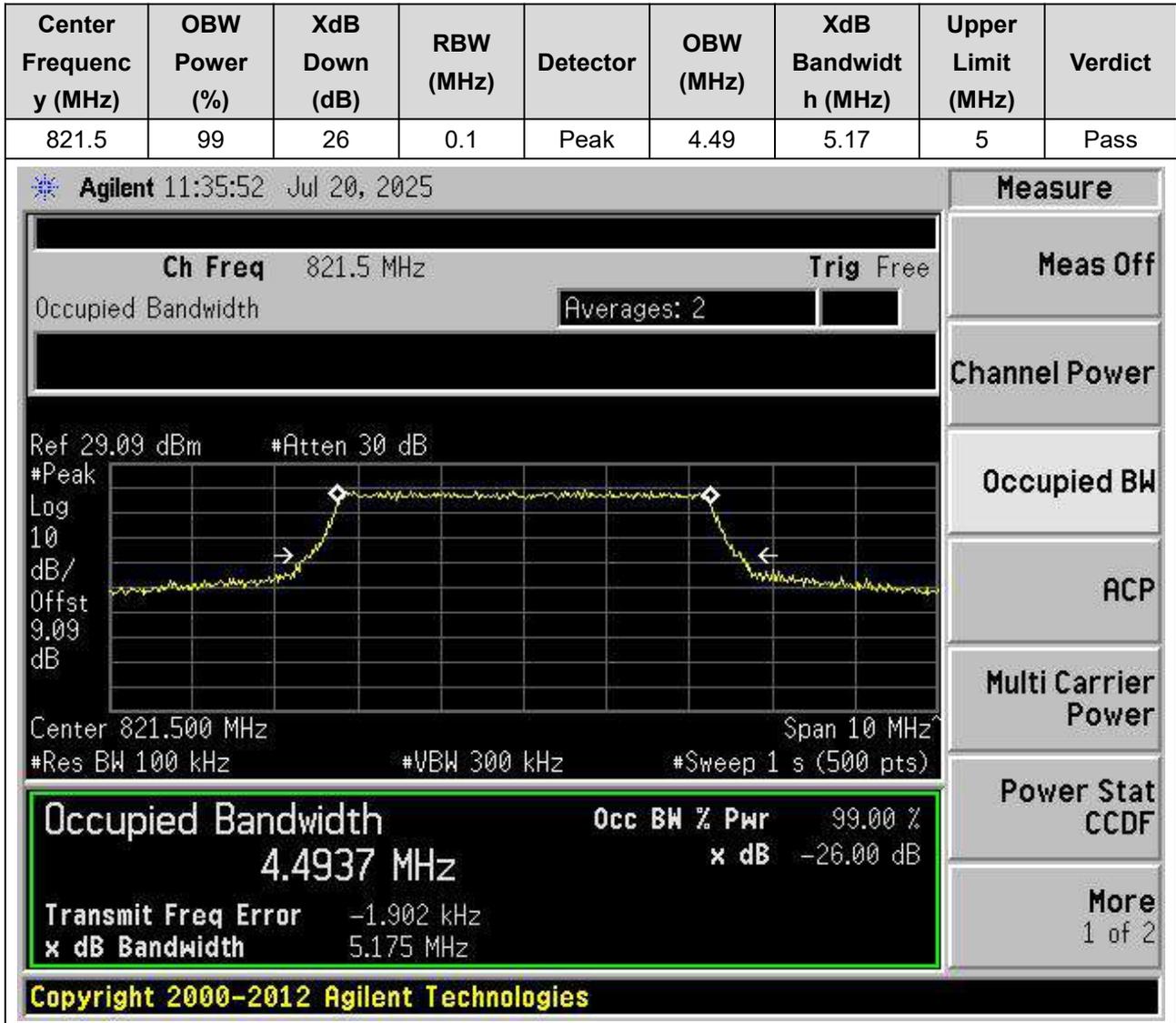
2.31. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:26740, Bandwidth:5, Modulation:64QAM, RB Number:25, RB Position:0)



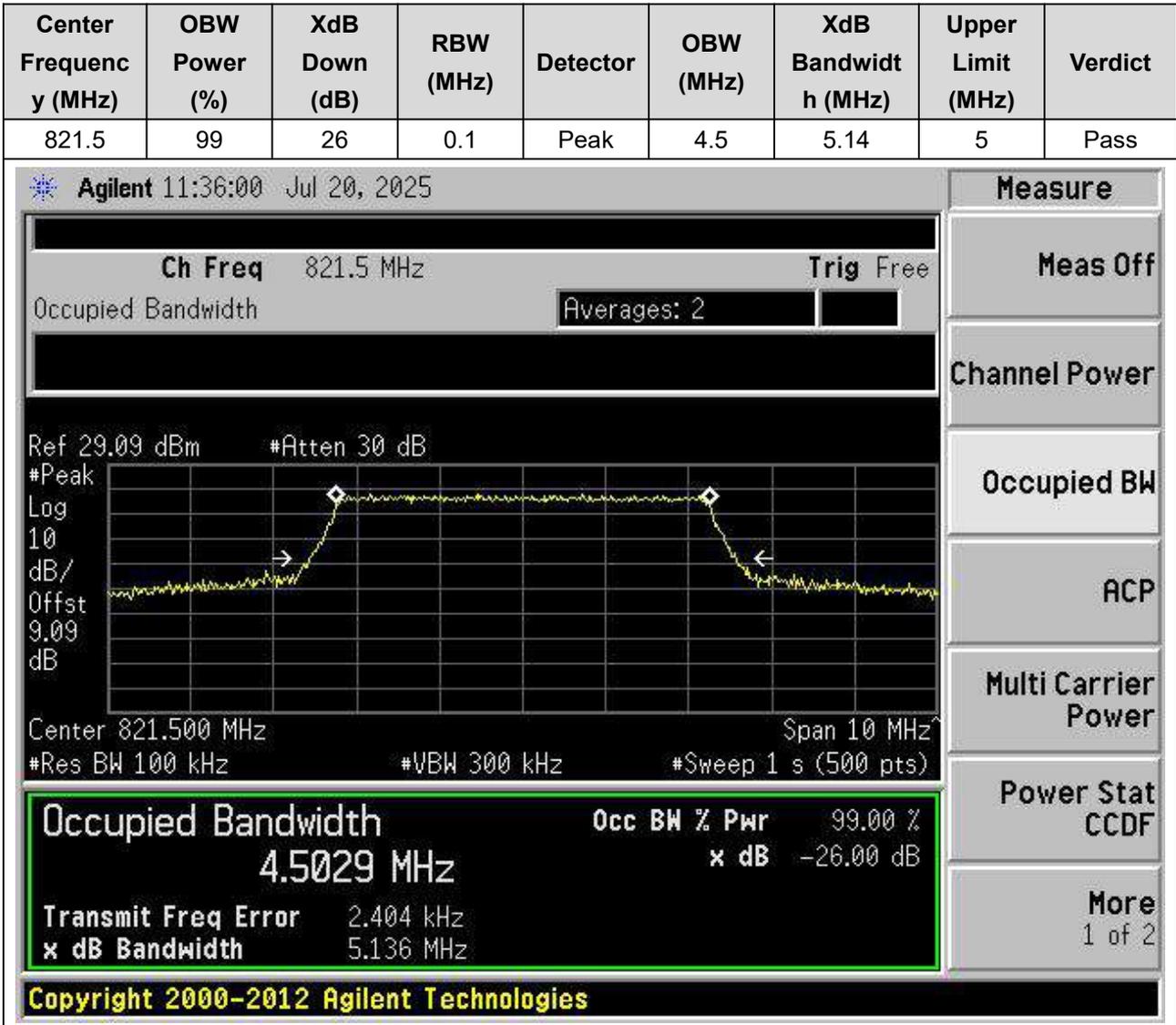
2.32. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:26740, Bandwidth:5, Modulation:256QAM, RB Number:25, RB Position:0)



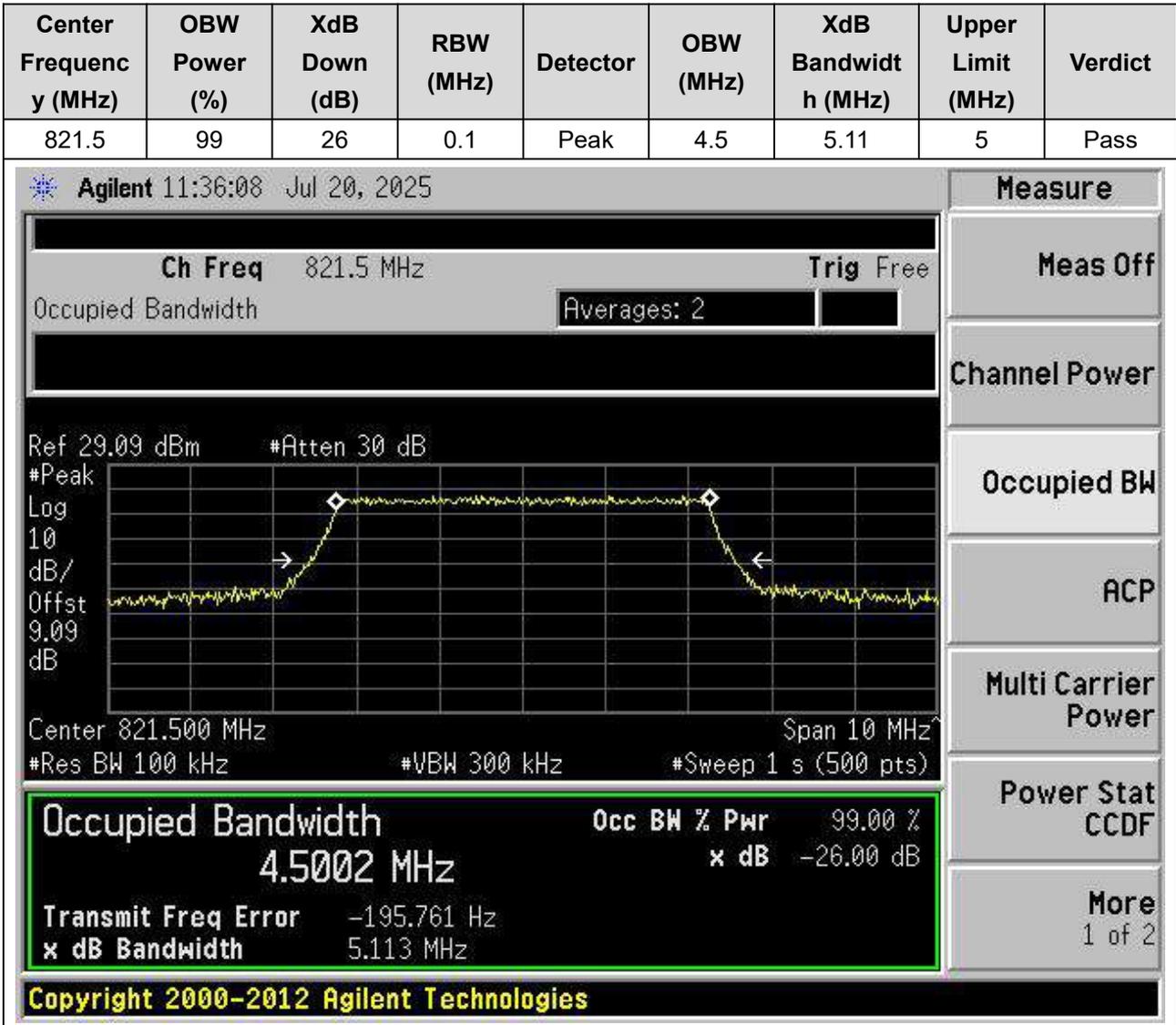
2.33. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:26765, Bandwidth:5, Modulation:QPSK, RB Number:25, RB Position:0)



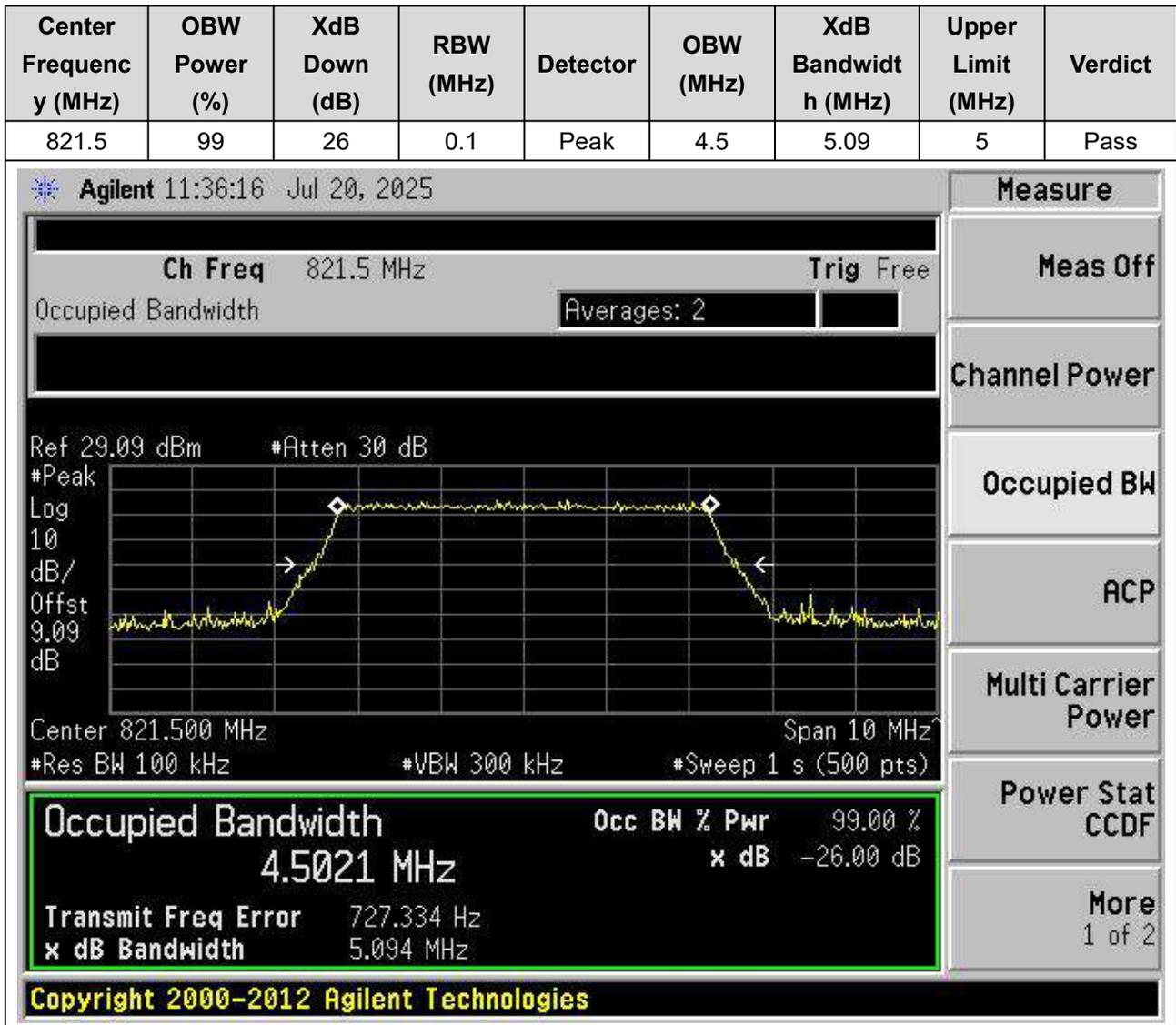
2.34. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:26765, Bandwidth:5, Modulation:16QAM, RB Number:25, RB Position:0)



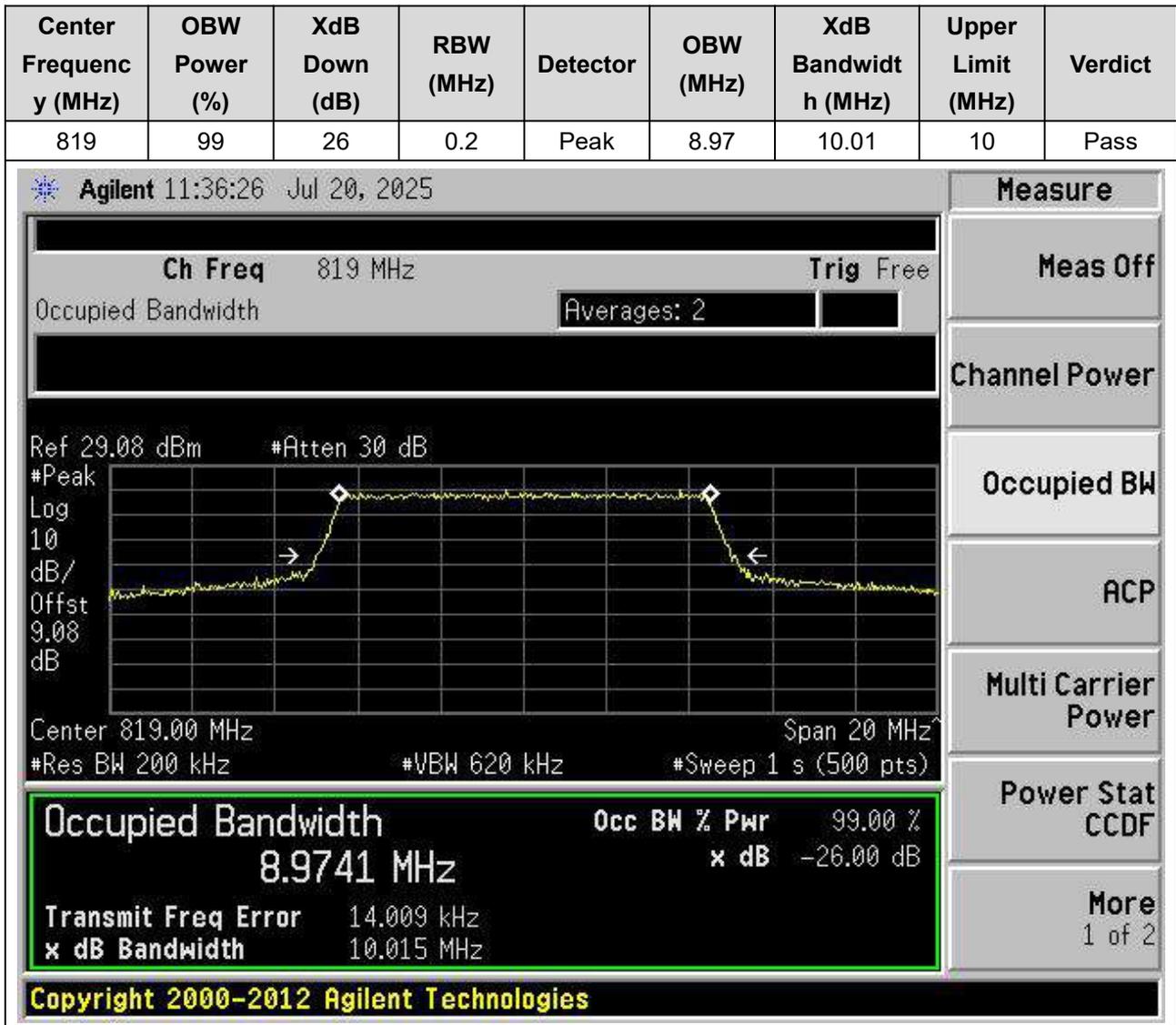
2.35. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:26765, Bandwidth:5, Modulation:64QAM, RB Number:25, RB Position:0)



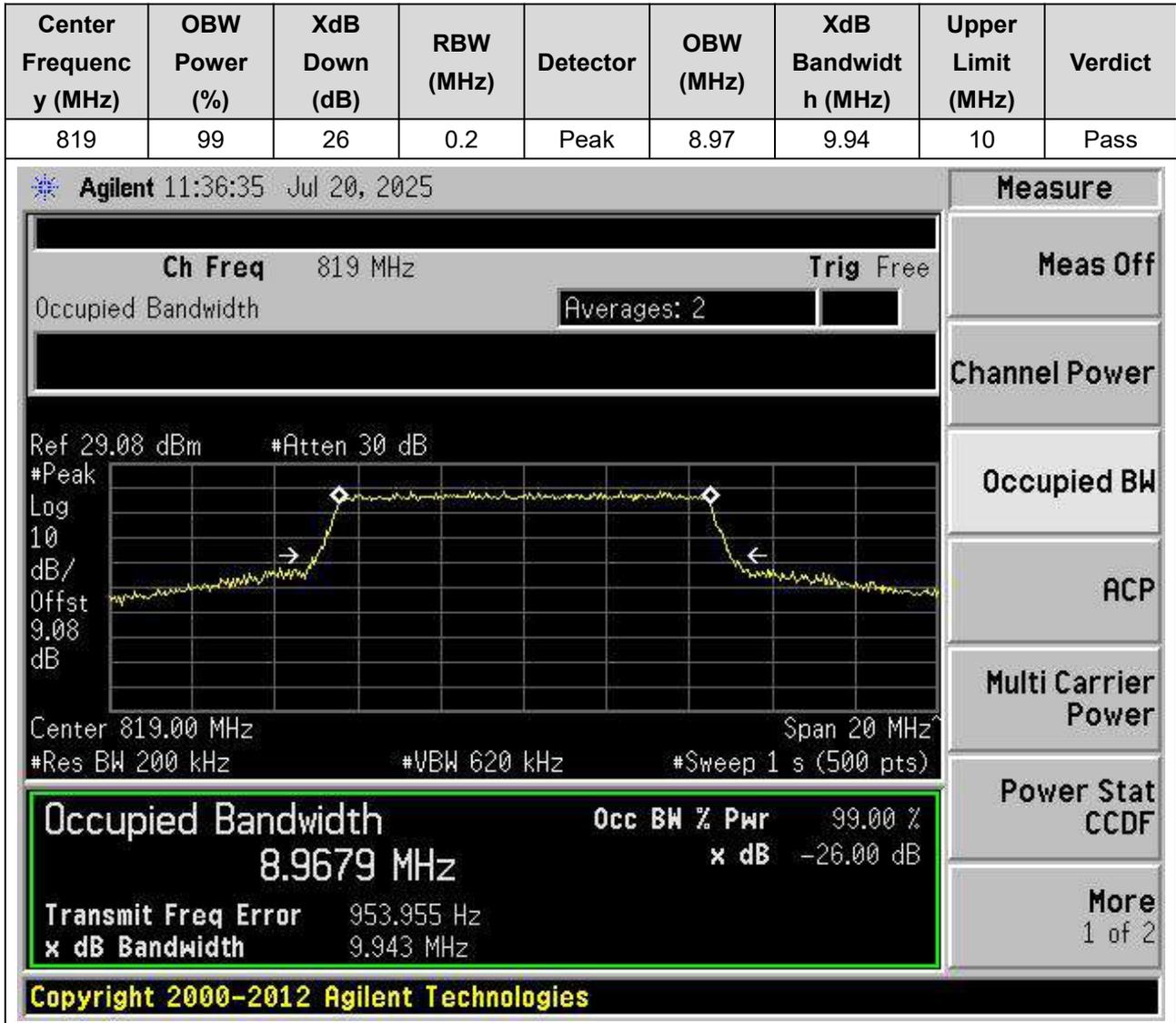
2.36. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:26765, Bandwidth:5, Modulation:256QAM, RB Number:25, RB Position:0)



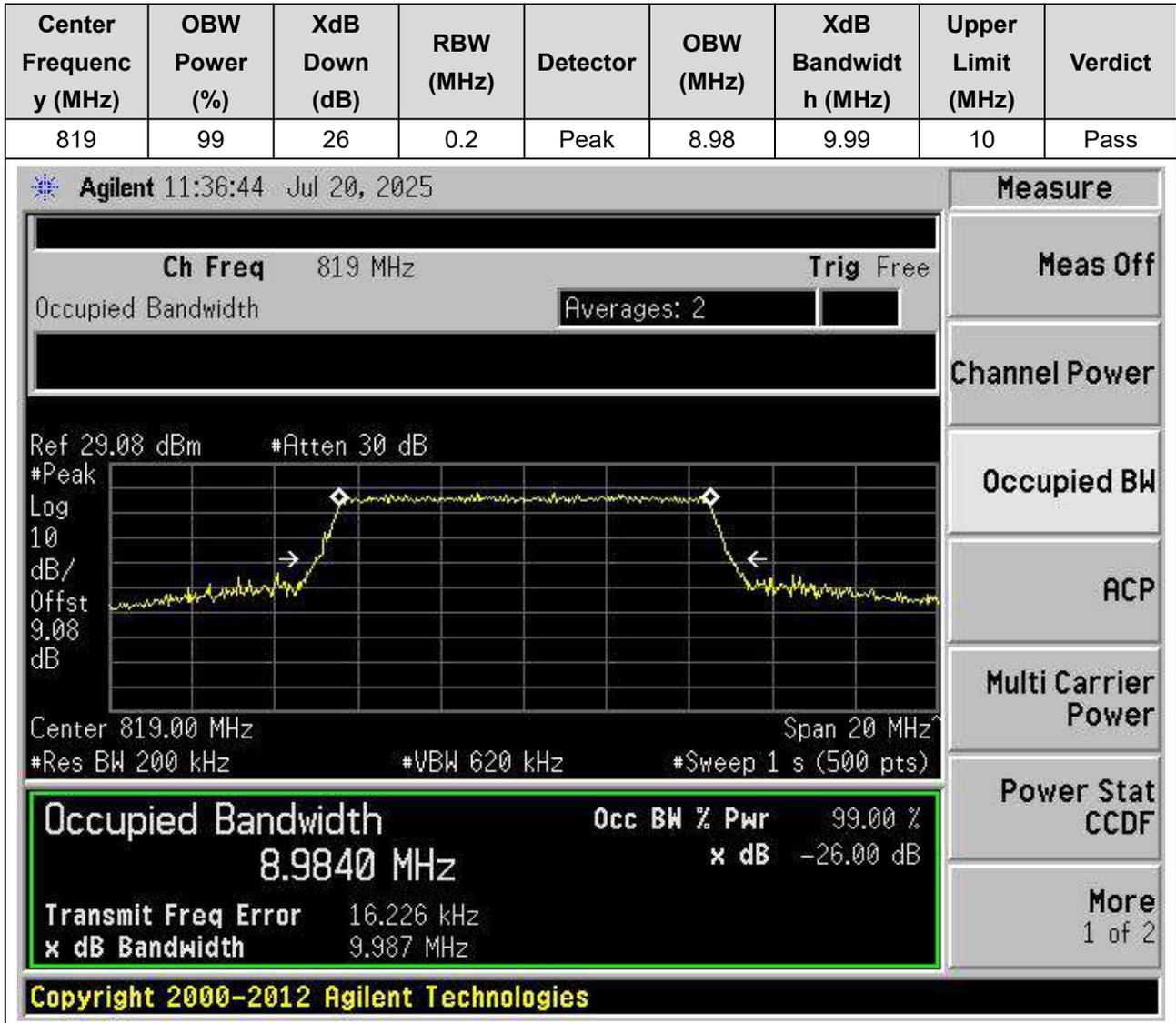
2.37. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:26740, Bandwidth:10, Modulation:QPSK, RB Number:50, RB Position:0)



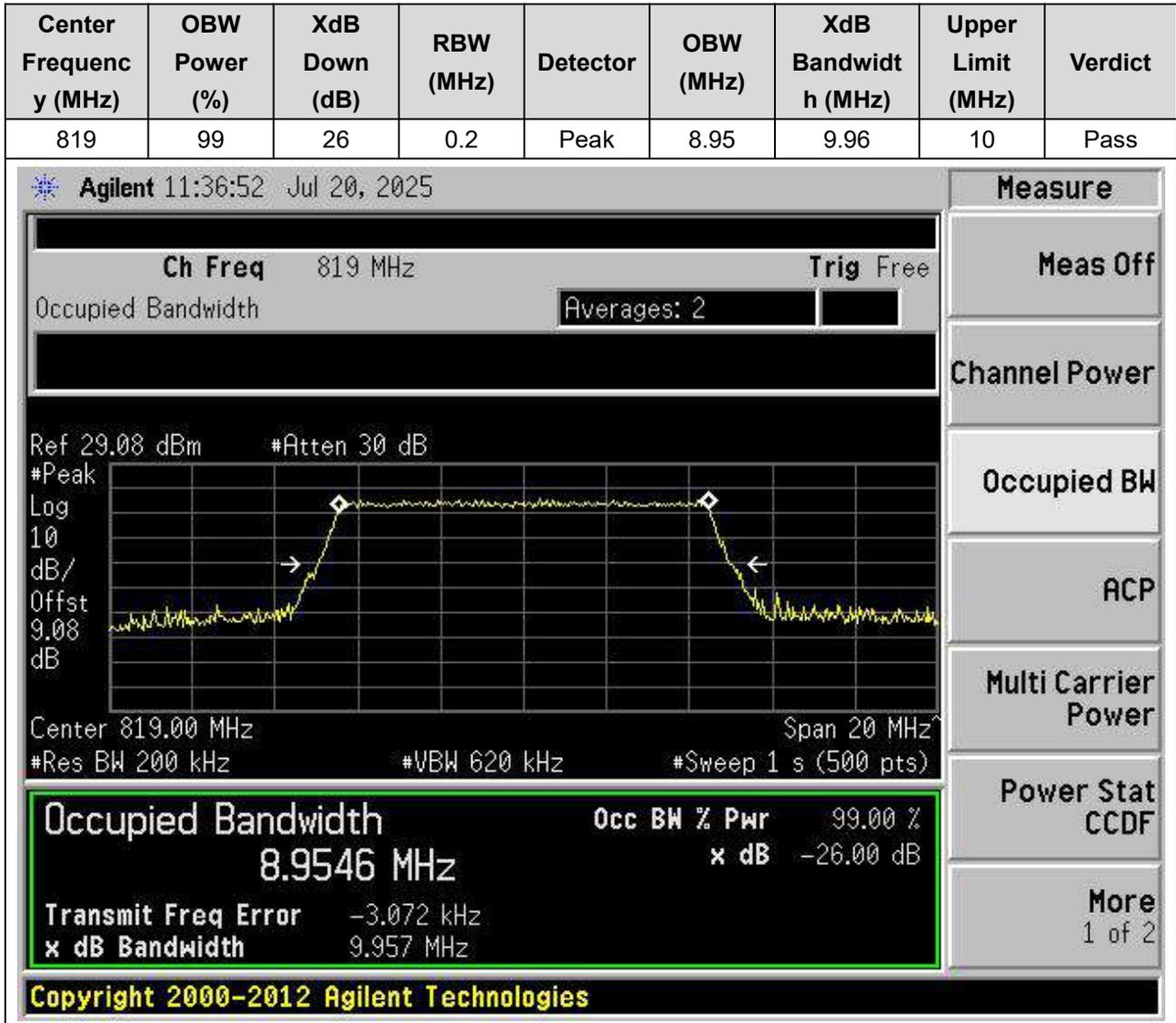
2.38. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:26740, Bandwidth:10, Modulation:16QAM, RB Number:50, RB Position:0)



2.39. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:26740, Bandwidth:10, Modulation:64QAM, RB Number:50, RB Position:0)

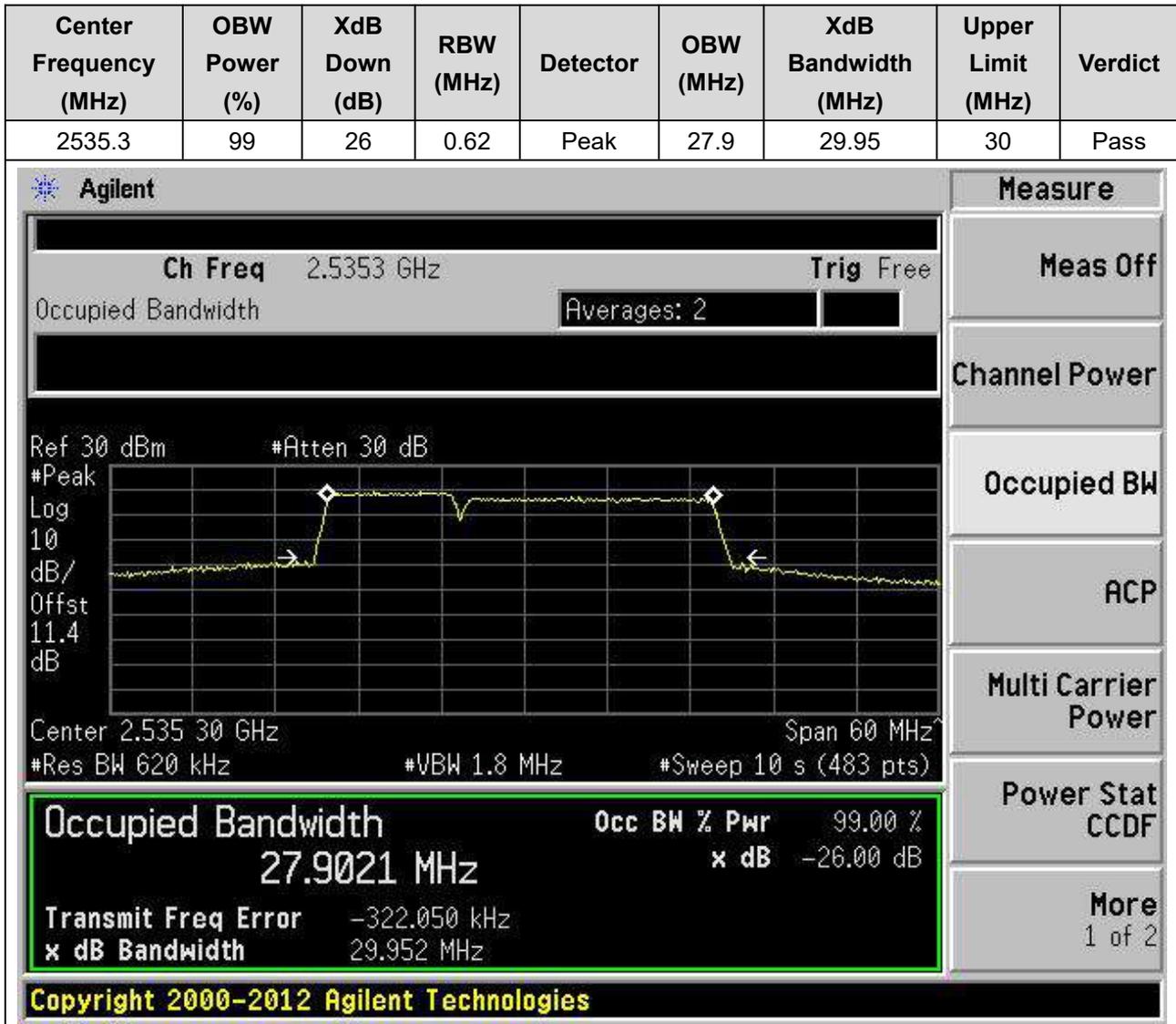


2.40. LTE Occupied Bandwidth_Part90(added 64QAM&256QAM)(NTNV)(Channel:26740, Bandwidth:10, Modulation:256QAM, RB Number:50, RB Position:0)

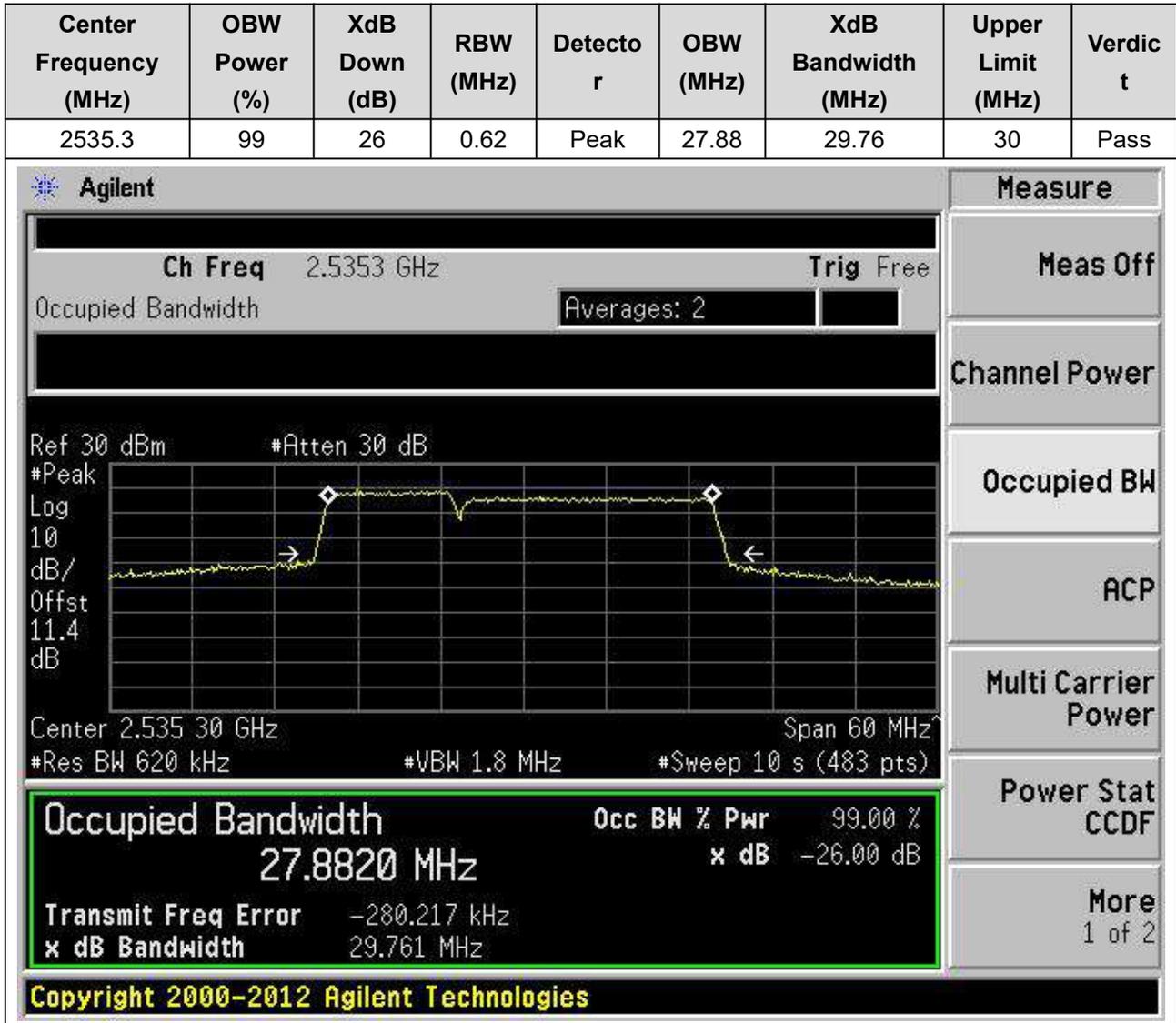


1. CA_7C

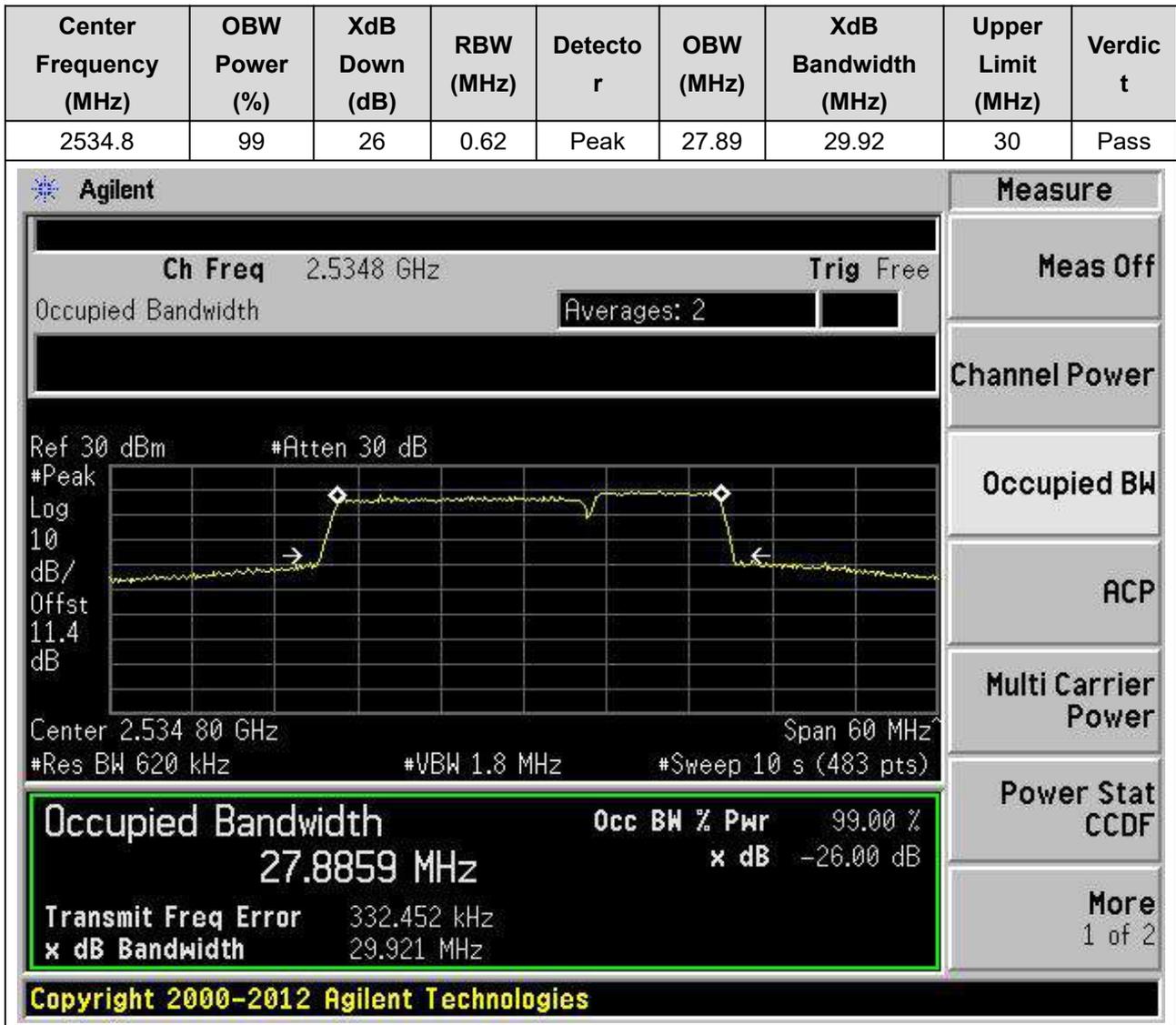
1.1. LTE-A Occupied Bandwidth_Part22-24-27(Channel:21006|21150, Bandwidth:10|20MHz, Modulation:QPSK, RB Number:Full|Full, RB Position:Low|Low)



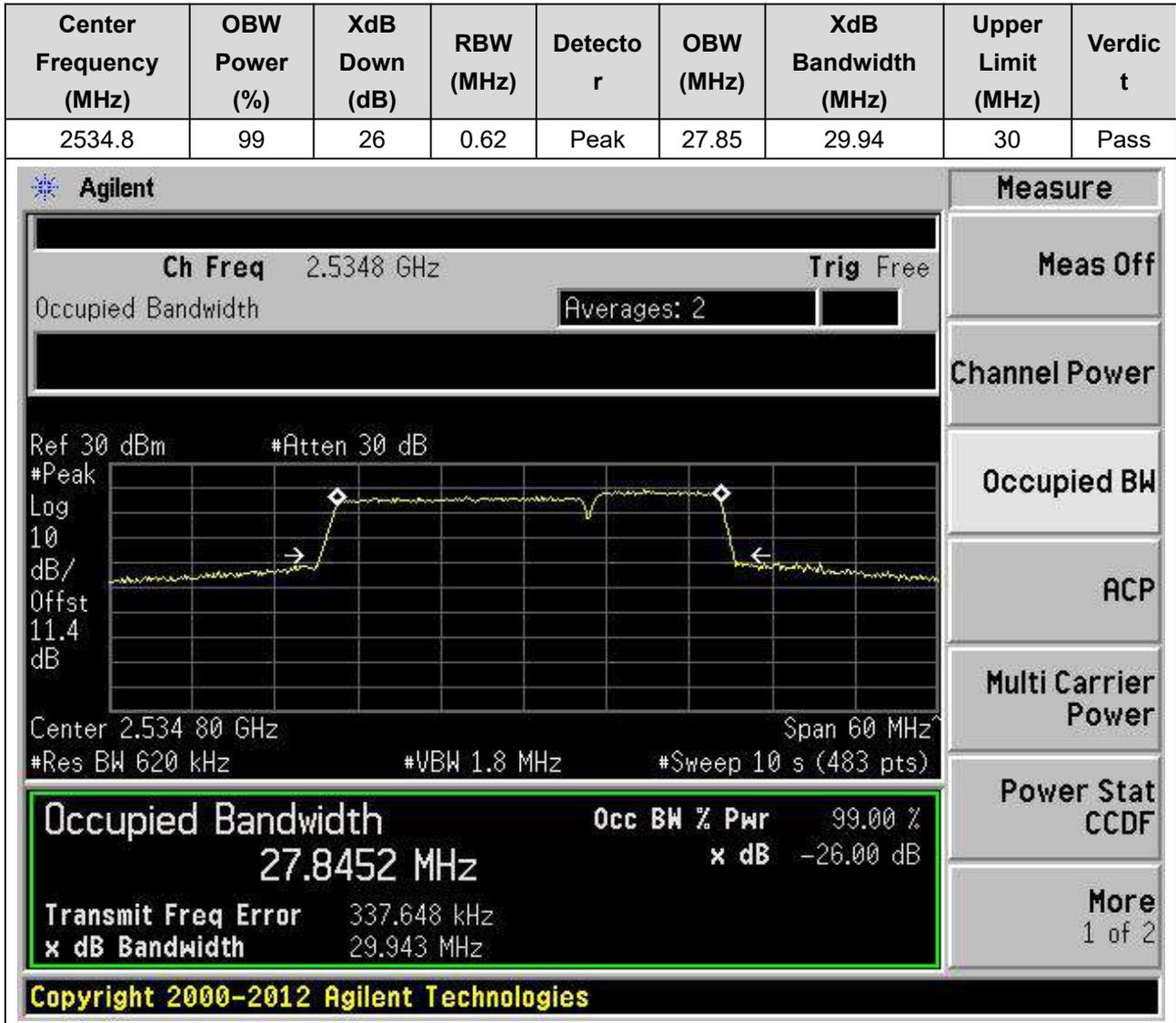
1.2. LTE-A Occupied Bandwidth_Part22-24-27(Channel:21006|21150, Bandwidth:10|20MHz, Modulation:16QAM, RB Number:Full|Full, RB Position:Low|Low)



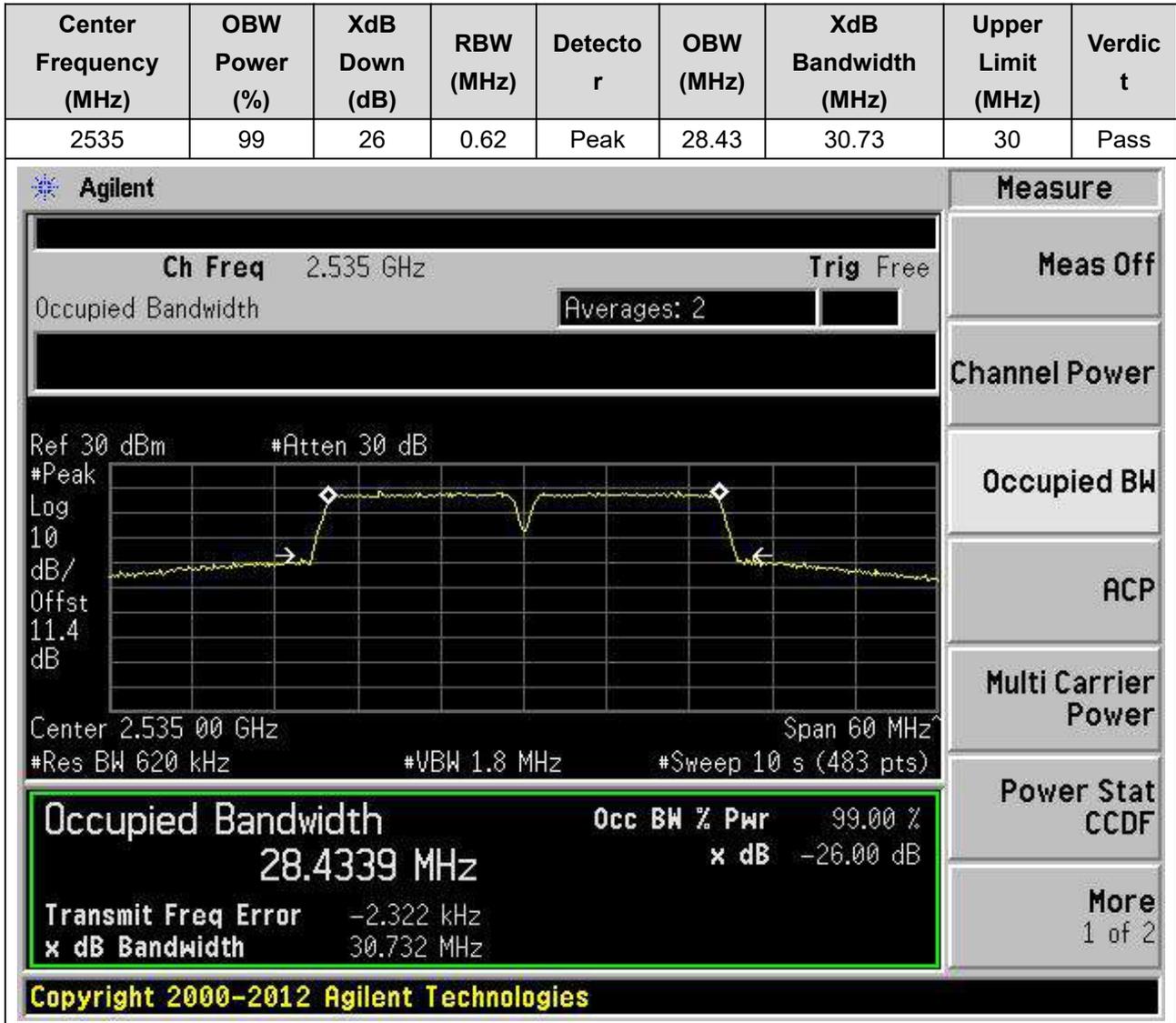
1.3. LTE-A Occupied Bandwidth_Part22-24-27(Channel:21051|21195, Bandwidth:20|10MHz, Modulation:QPSK, RB Number:Full|Full, RB Position:Low|Low)



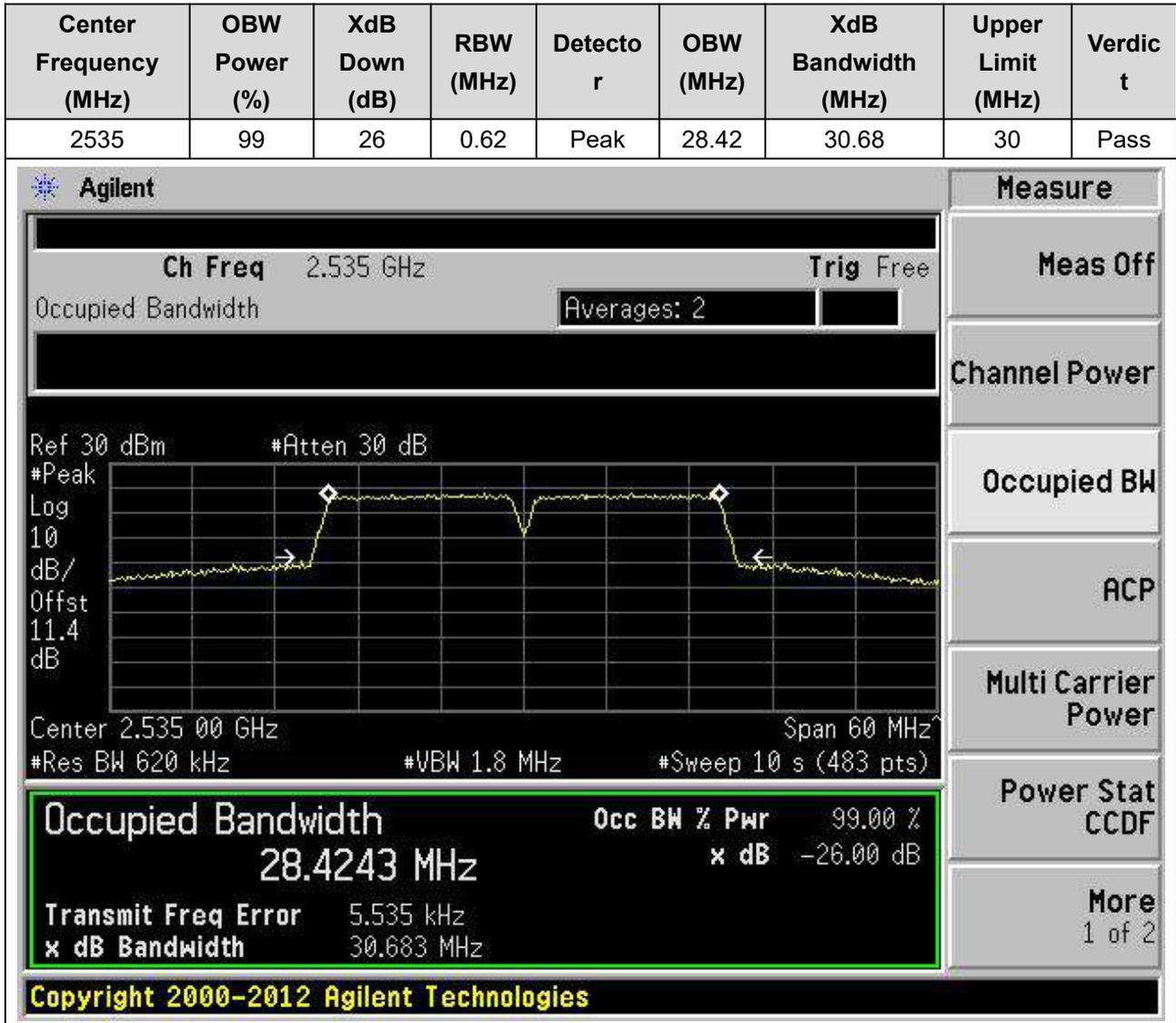
1.4. LTE-A Occupied Bandwidth_Part22-24-27(Channel:21051|21195, Bandwidth:20|10MHz, Modulation:16QAM, RB Number:Full|Full, RB Position:Low|Low)



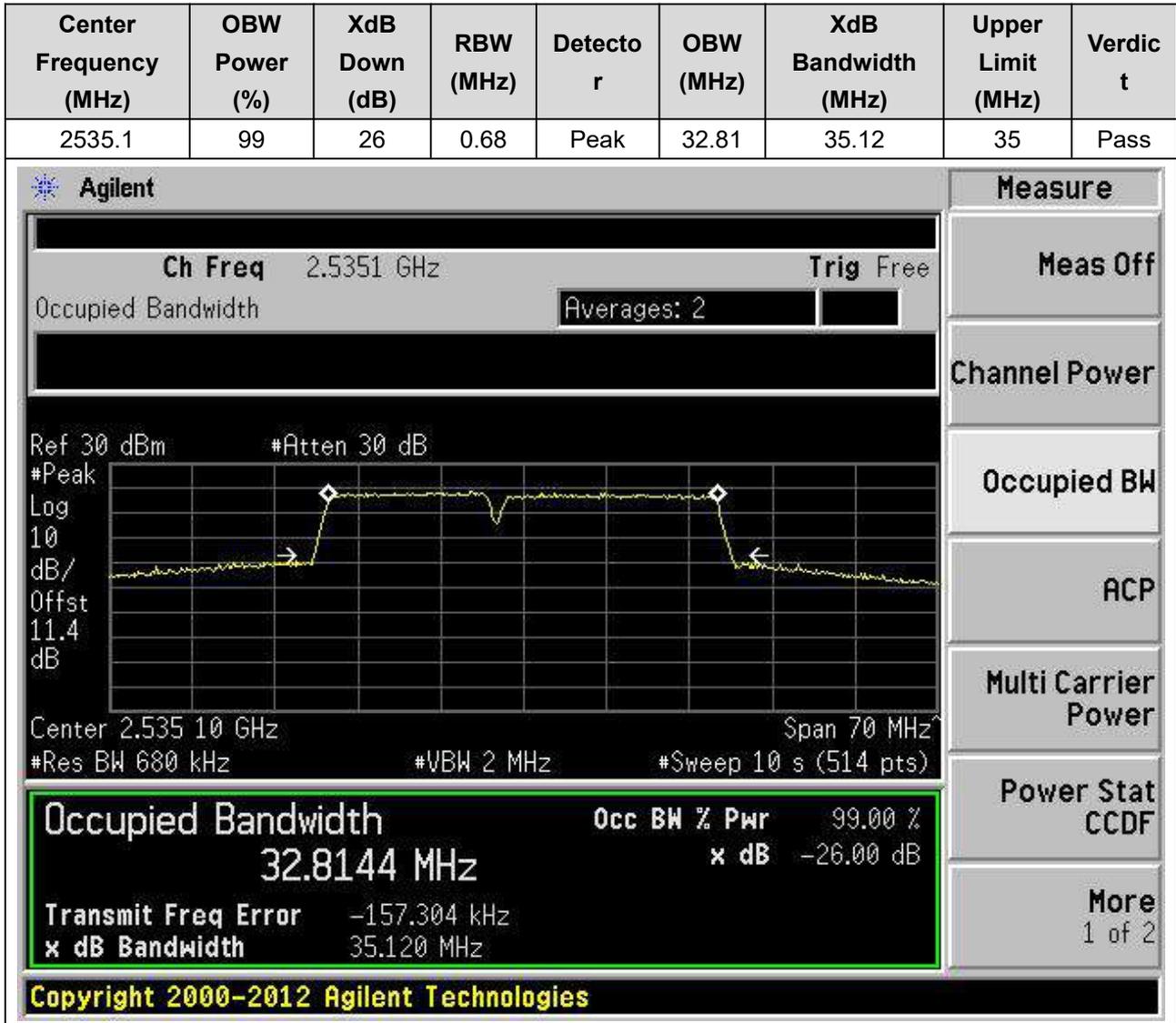
1.5. LTE-A Occupied Bandwidth_Part22-24-27(Channel:21025|21175, Bandwidth:15|15MHz, Modulation:QPSK, RB Number:Full|Full, RB Position:Low|Low)



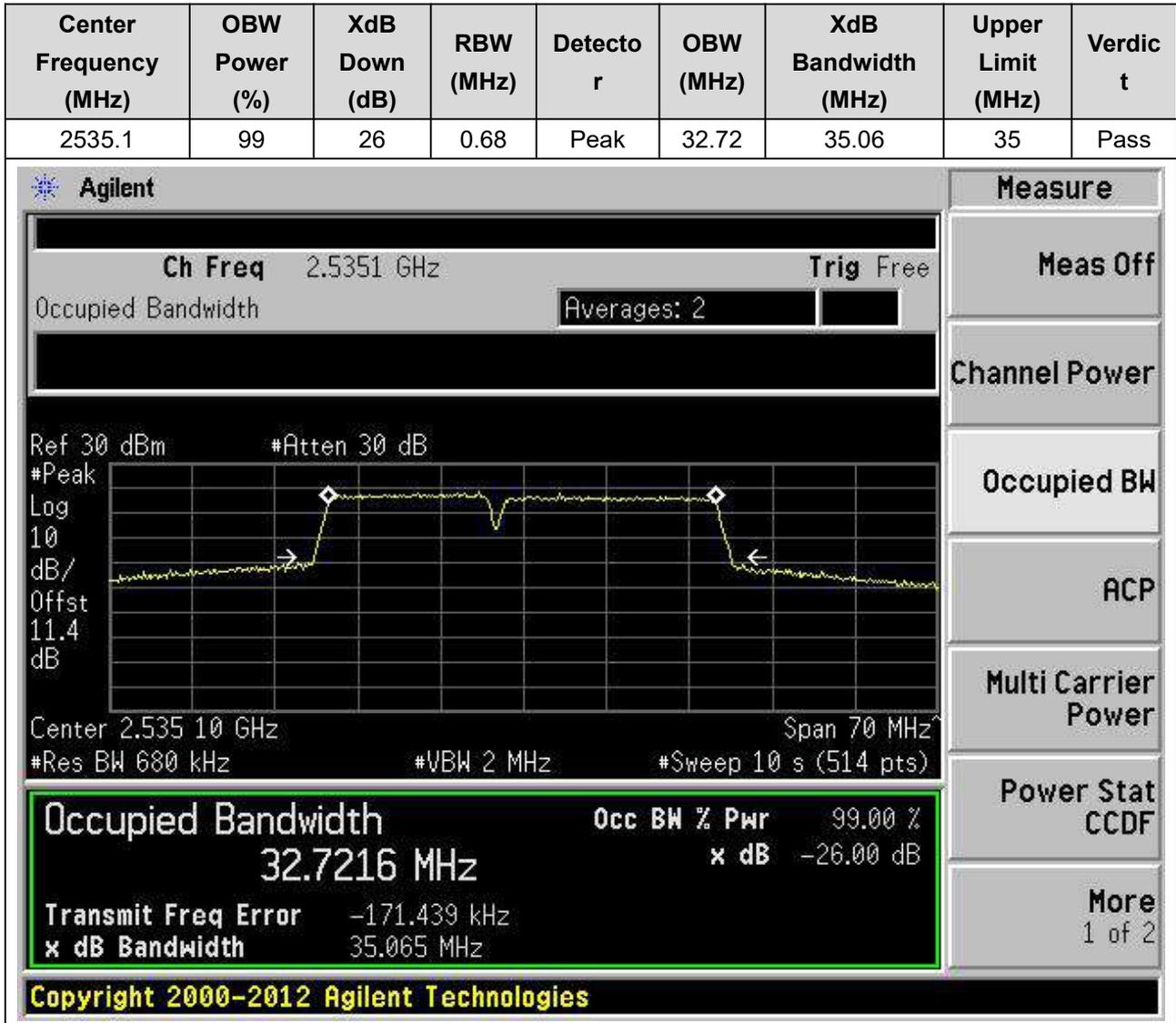
1.6. LTE-A Occupied Bandwidth_Part22-24-27(Channel:21025|21175, Bandwidth:15|15MHz, Modulation:16QAM, RB Number:Full|Full, RB Position:Low|Low)



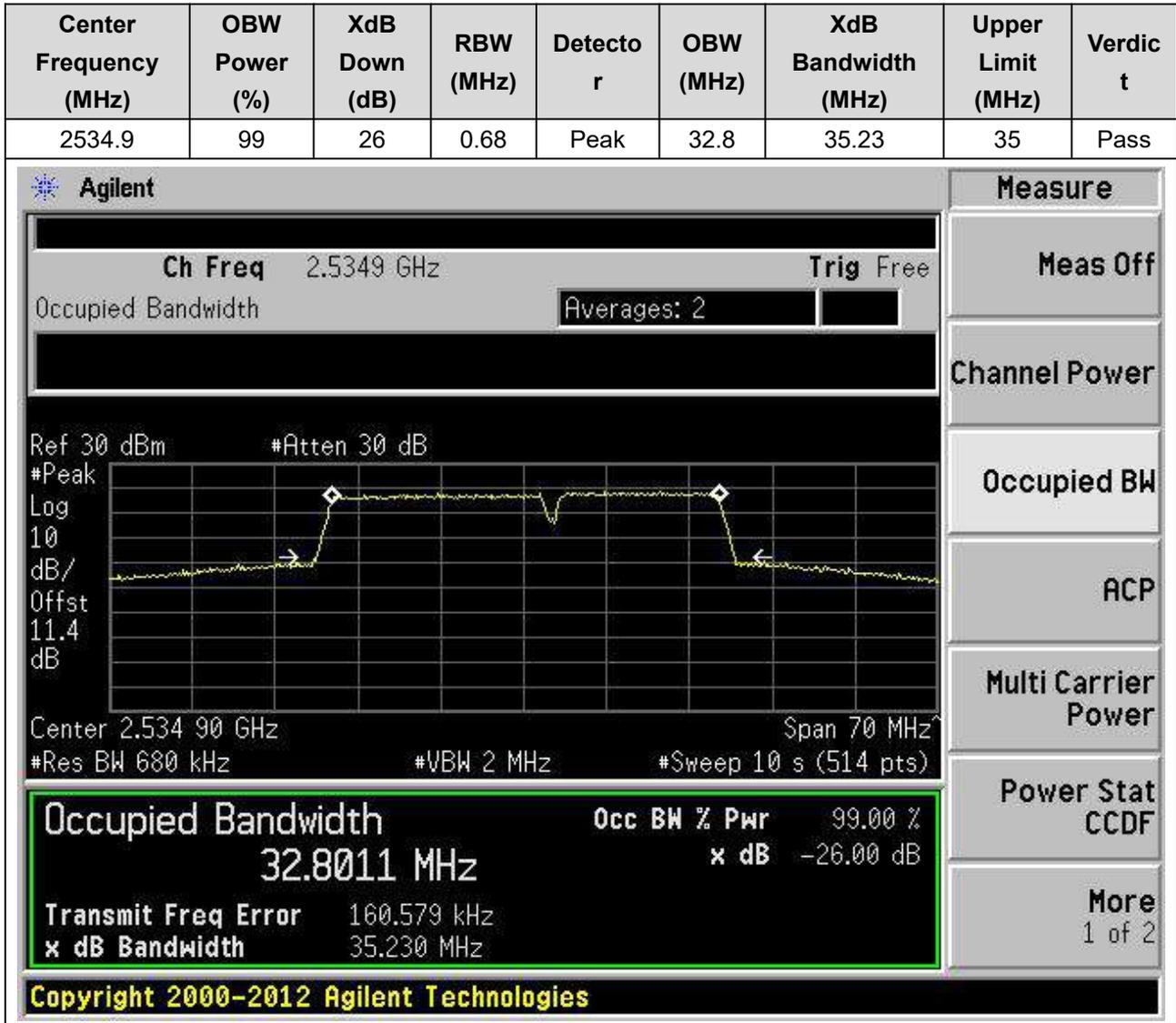
1.7. LTE-A Occupied Bandwidth_Part22-24-27(Channel:21003|21174, Bandwidth:15|20MHz, Modulation:QPSK, RB Number:Full|Full, RB Position:Low|Low)



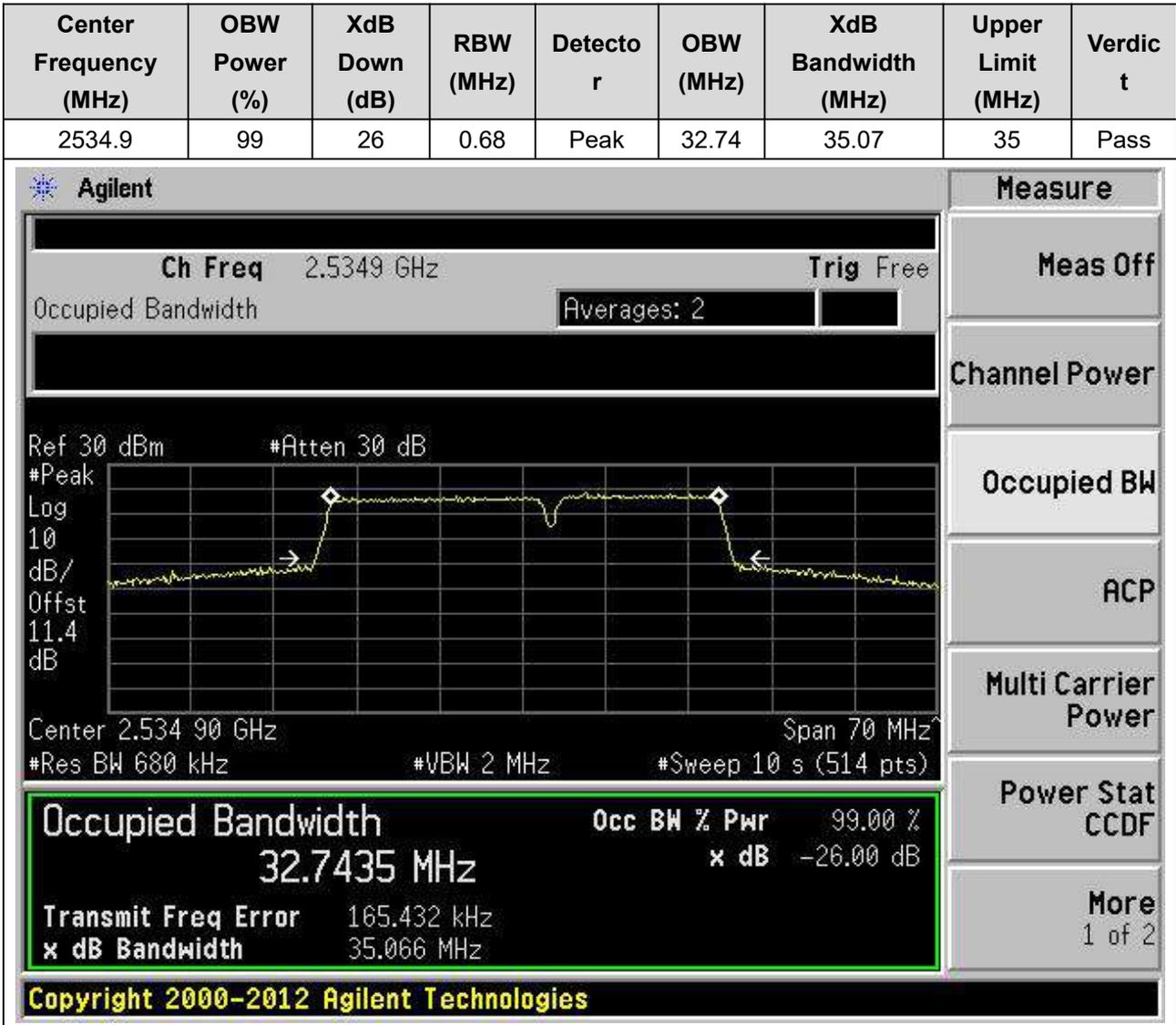
1.8. LTE-A Occupied Bandwidth_Part22-24-27(Channel:21003|21174, Bandwidth:15|20MHz, Modulation:16QAM, RB Number:Full|Full, RB Position:Low|Low)



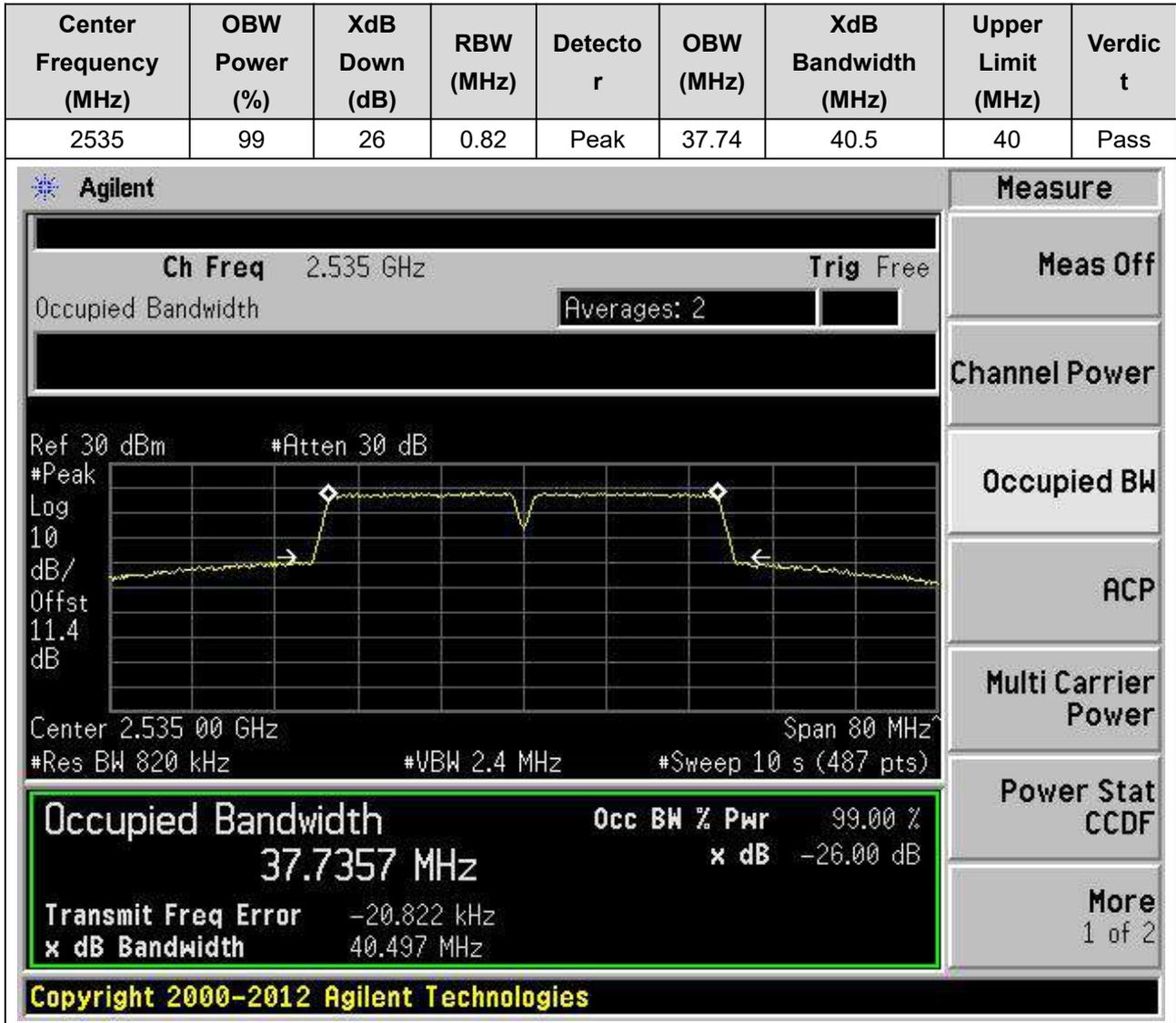
1.9. LTE-A Occupied Bandwidth_Part22-24-27(Channel:21026|21197, Bandwidth:20|15MHz, Modulation:QPSK, RB Number:Full|Full, RB Position:Low|Low)



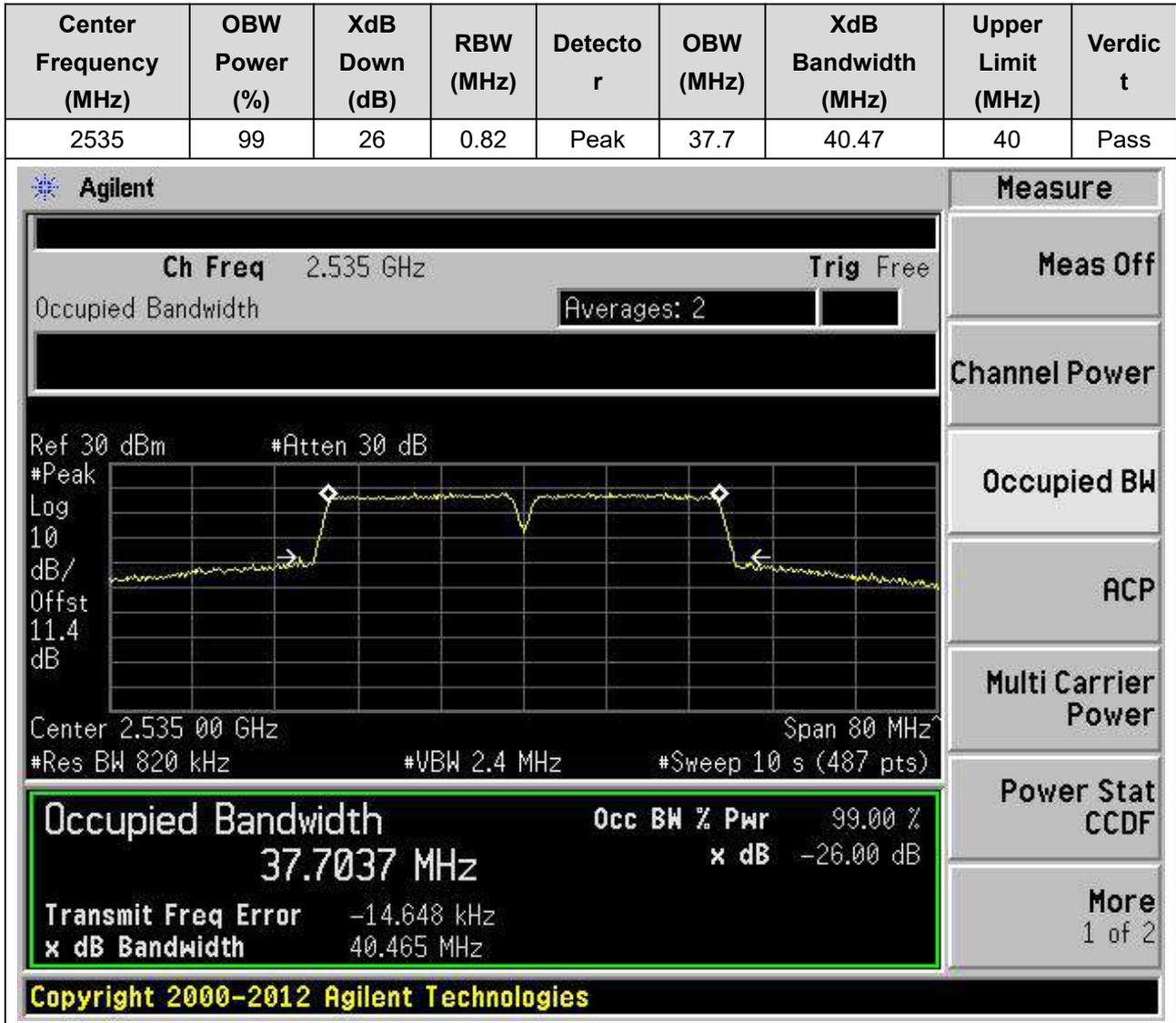
1.10. LTE-A Occupied Bandwidth_Part22-24-27(Channel:21026|21197, Bandwidth:20|15MHz, Modulation:16QAM, RB Number:Full|Full, RB Position:Low|Low)



1.11. LTE-A Occupied Bandwidth_Part22-24-27(Channel:21001|21199, Bandwidth:20|20MHz, Modulation:QPSK, RB Number:Full|Full, RB Position:Low|Low)

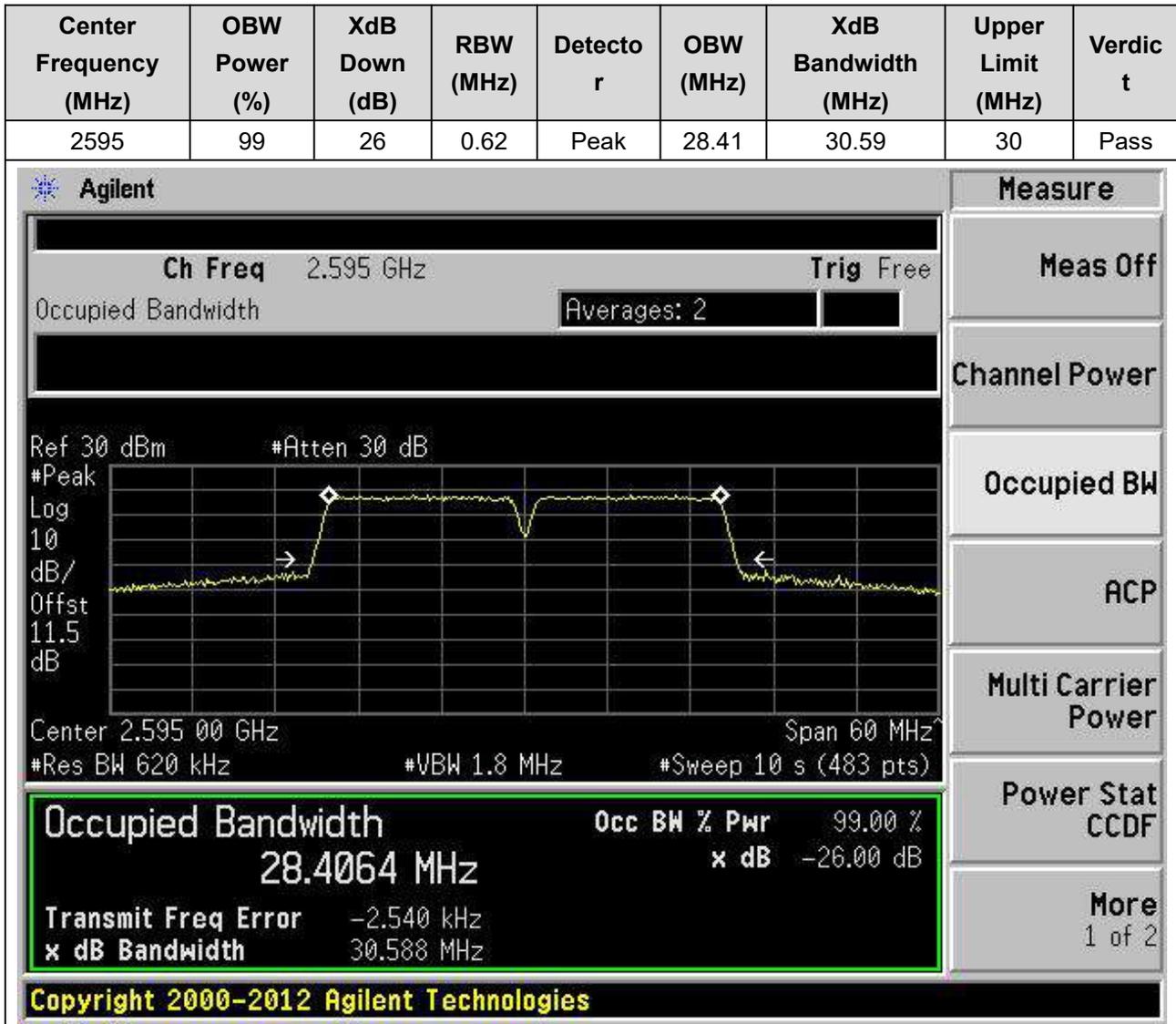


1.12. LTE-A Occupied Bandwidth_Part22-24-27(Channel:21001|21199, Bandwidth:20|20MHz, Modulation:16QAM, RB Number:Full|Full, RB Position:Low|Low)

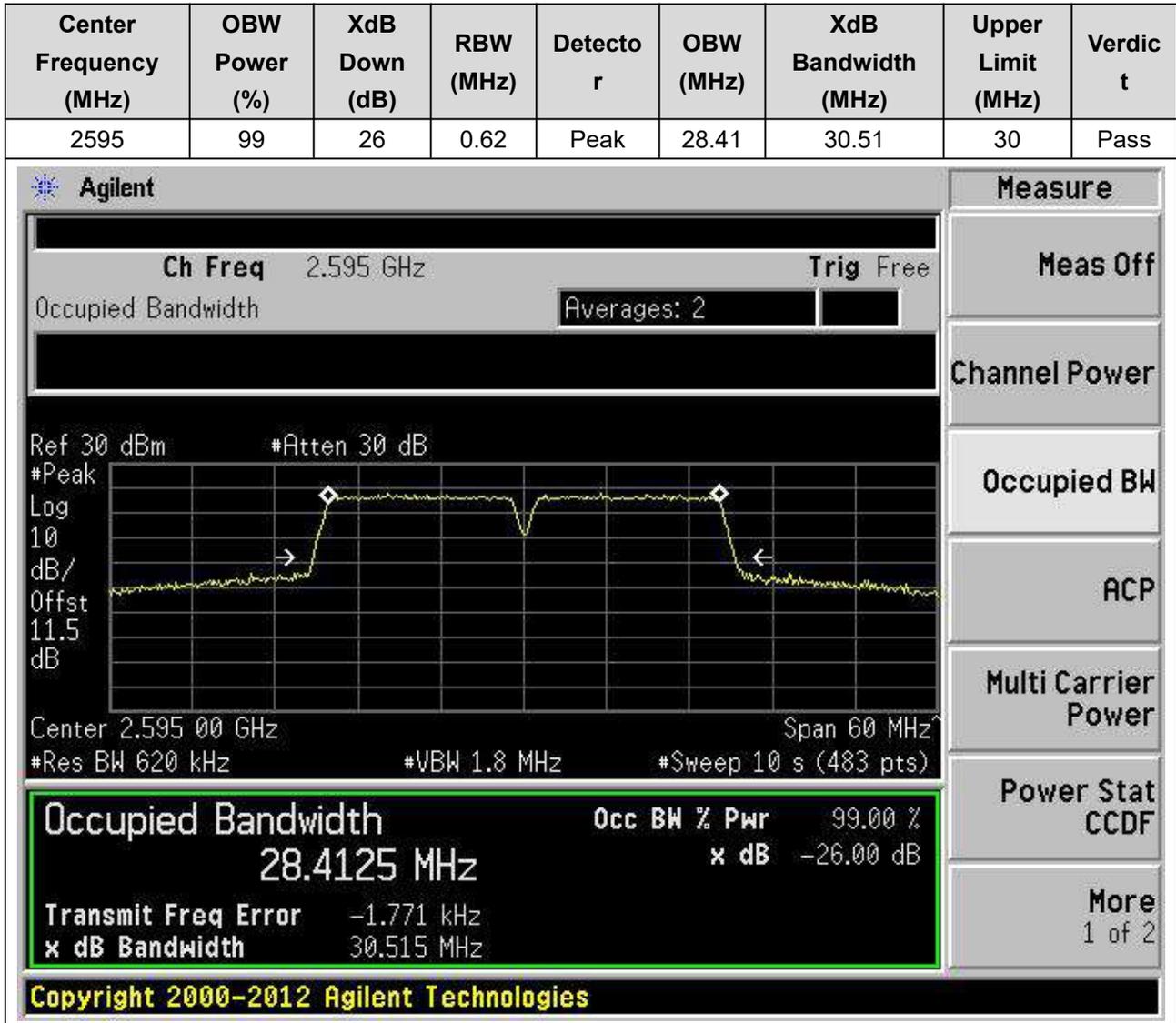


2. CA_38C

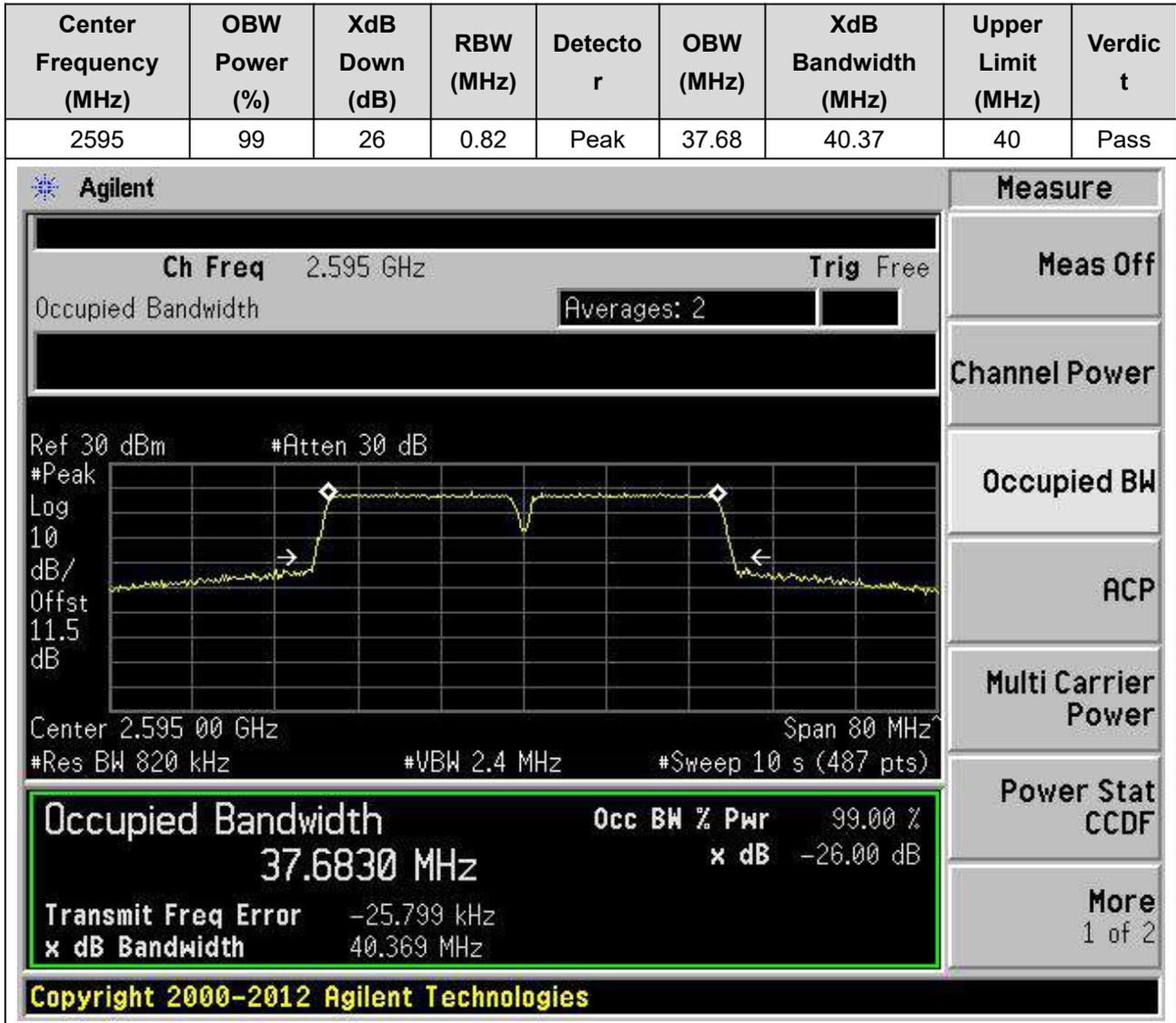
2.1. LTE-A Occupied Bandwidth_Part22-24-27(Channel:37925|38075, Bandwidth:15|15MHz, Modulation:QPSK, RB Number:Full|Full, RB Position:Low|Low)



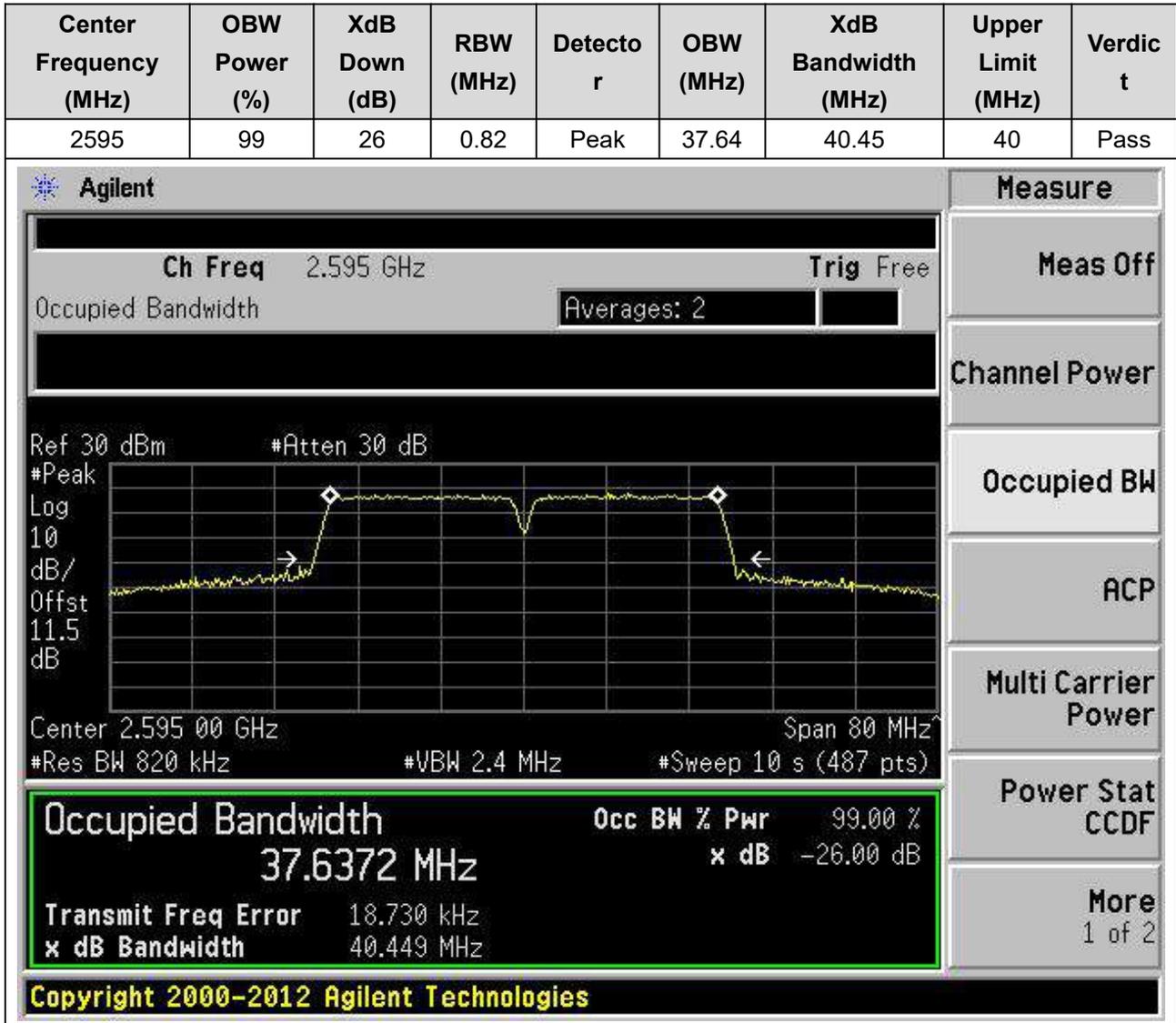
2.2. LTE-A Occupied Bandwidth_Part22-24-27(Channel:37925|38075, Bandwidth:15|15MHz, Modulation:16QAM, RB Number:Full|Full, RB Position:Low|Low)



2.3. LTE-A Occupied Bandwidth_Part22-24-27(Channel:37901|38099, Bandwidth:20|20MHz, Modulation:QPSK, RB Number:Full|Full, RB Position:Low|Low)

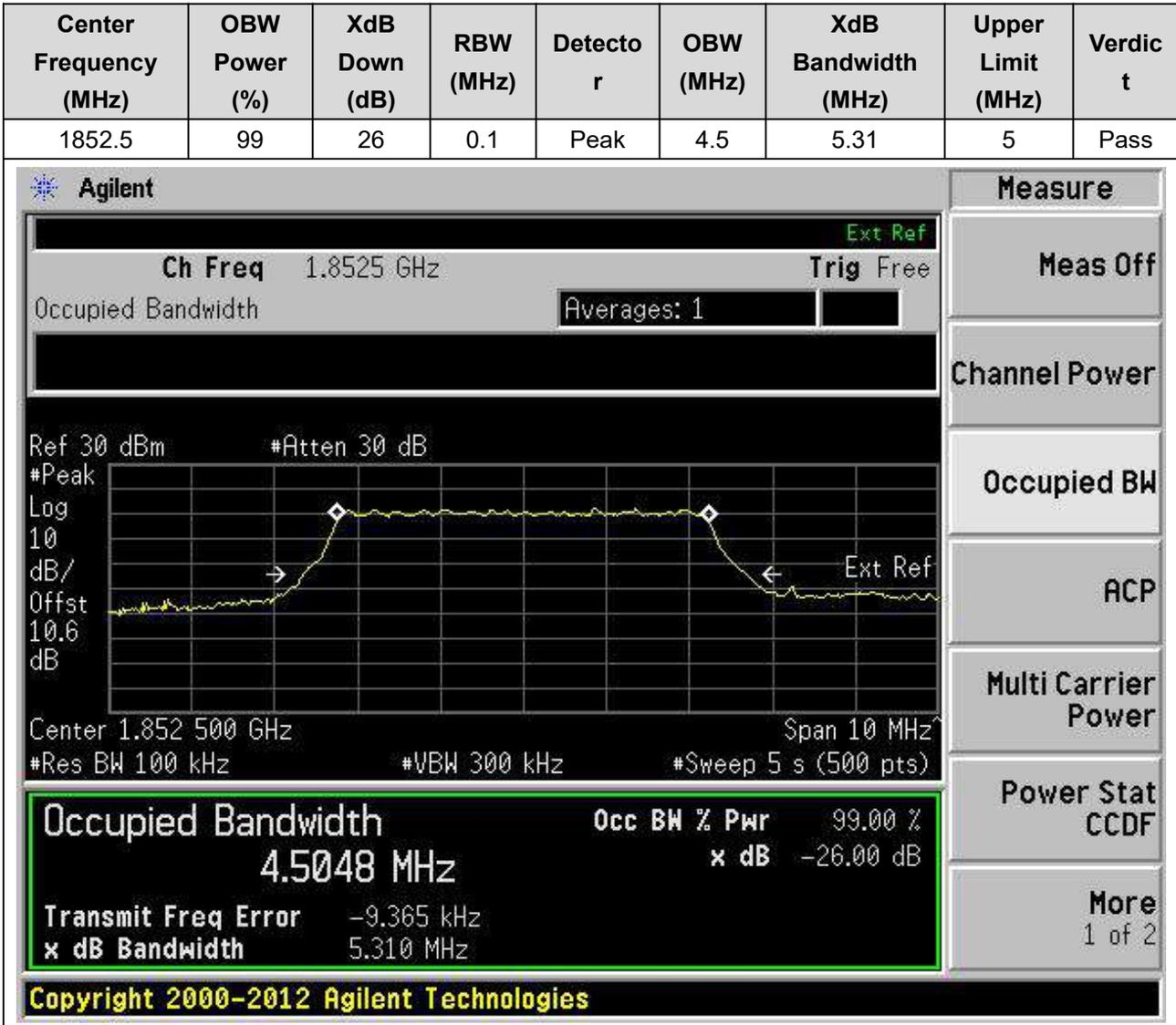


2.4. LTE-A Occupied Bandwidth_Part22-24-27(Channel:37901|38099, Bandwidth:20|20MHz, Modulation:16QAM, RB Number:Full|Full, RB Position:Low|Low)



1. n2

1.1. Occupied Bandwidth for SA_Part22-24-27(Channel:370500, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:25, RB Position:0)



1.3. Occupied Bandwidth for SA_Part22-24-27(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	4.53	5.25	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 results are as follows:

Measurement	Value
Occupied Bandwidth	4.5290 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	1.764 kHz
x dB Bandwidth	5.252 MHz

Other visible parameters include: Ch Freq 1.9075 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 10.6 dB, Center 1.907500 GHz, Span 10 MHz, #Res BW 100 kHz, #VBW 300 kHz, #Sweep 5 s (500 pts).

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1.4. Occupied Bandwidth for SA_Part22-24-27(Channel:370500, 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
1852.5	99	26	0.1	Peak	4.57	5.37	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is 1.8525 GHz. The main display shows a spectrum plot with a yellow trace. The y-axis is labeled 'Log 10 dB/Offst 10.6 dB'. The x-axis is labeled 'Center 1.852 500 GHz' and 'Span 10 MHz'. The plot shows a signal with a peak at approximately 1.8525 GHz. The 'Occupied Bandwidth' is highlighted in a green box at the bottom of the screen, showing a value of 4.5741 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is 11.099 kHz and the 'x dB Bandwidth' is 5.374 MHz. The 'Copyright 2000-2012 Agilent Technologies' is displayed at the bottom.

Occupied Bandwidth	Occ BW % Pwr	x dB
4.5741 MHz	99.00 %	-26.00 dB

1.5. Occupied Bandwidth for SA_Part22-24-27(Channel:376000, 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
1880	99	26	0.1	Peak	4.57	5.36	5	Pass

Agilent
Measure

Ch Freq 1.88 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 1

Ref 30 dBm #Atten 30 dB

#Peak

Log 10 dB/Offst 10.7 dB

Center 1.880 000 GHz Span 10 MHz

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

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

Occupied Bandwidth

4.5696 MHz

Transmit Freq Error -13.698 kHz

x dB Bandwidth 5.358 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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1.6. Occupied Bandwidth for SA_Part22-24-27(Channel:381500, 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
1907.5	99	26	0.1	Peak	4.54	5.27	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	Occ BW % Pwr 99.00 %
4.5399 MHz	x dB -26.00 dB
Transmit Freq Error	-14.670 kHz
x dB Bandwidth	5.272 MHz

Power Stat
CCDF

More
1 of 2

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1.7. Occupied Bandwidth for SA_Part22-24-27(Channel:370500, 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
1852.5	99	26	0.1	Peak	4.55	5.28	5	Pass

Agilent

Measure

Ch Freq 1.8525 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
10

dB/
Offst

10.6
dB

Center 1.852 500 GHz
Span 10 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.5540 MHz	x dB	-26.00 dB
Transmit Freq Error		-22.484 kHz
x dB Bandwidth		5.281 MHz

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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1.8. Occupied Bandwidth for SA_Part22-24-27(Channel:376000, 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
1880	99	26	0.1	Peak	4.52	5.27	5	Pass

Agilent

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

Ch Freq 1.88 GHz Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

#Peak

Log

10

dB/

Offst

10.7

dB

Ext Ref

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 %

4.5229 MHz x dB -26.00 dB

Transmit Freq Error -14.120 kHz

x dB Bandwidth 5.274 MHz

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1.9. Occupied Bandwidth for SA_Part22-24-27(Channel:381500, 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
1907.5	99	26	0.1	Peak	4.55	5.32	5	Pass

Agilent
Measure

Ch Freq 1.9075 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 1.907 500 GHz Span 10 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

4.5464 MHz x dB -26.00 dB

Transmit Freq Error -16.324 kHz

x dB Bandwidth 5.325 MHz

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1.10. Occupied Bandwidth for SA_Part22-24-27(Channel:370500, 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
1852.5	99	26	0.1	Peak	4.53	5.34	5	Pass

Agilent
Measure

Ch Freq 1.8525 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 1.852500 GHz Span 10 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

4.5273 MHz x dB -26.00 dB

Transmit Freq Error -14.420 kHz

x dB Bandwidth 5.344 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

1.11. Occupied Bandwidth for SA_Part22-24-27(Channel:376000, 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
1880	99	26	0.1	Peak	4.54	5.33	5	Pass

Agilent
Measure

Ch Freq 1.88 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

4.5363 MHz

Transmit Freq Error -17.612 kHz

x dB Bandwidth 5.334 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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1.12. Occupied Bandwidth for SA_Part22-24-27(Channel:381500, 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
1907.5	99	26	0.1	Peak	4.54	5.36	5	Pass

Agilent
Measure

Ch Freq 1.9075 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 1.907 500 GHz Span 10 MHz
 #Res BW 100 kHz #VBW 300 kHz #Sweep 5 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
4.5365 MHz	x dB -26.00 dB
Transmit Freq Error	-9.774 kHz
x dB Bandwidth	5.361 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

1.13. Occupied Bandwidth for SA_Part22-24-27(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	9.27	9.89	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 1.855 GHz with a span of 20 MHz. The y-axis is labeled 'Log 10 dB/Offst 10.6 dB'. The plot shows a signal with a flat top and sloped sides, indicating a multi-carrier signal. The 'Occupied Bandwidth' measurement is highlighted in a green box, showing a value of 9.2661 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. Other parameters shown include 'Transmit Freq Error' of -3.840 kHz and 'x dB Bandwidth' of 9.888 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 displays the copyright notice 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
9.2661 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -3.840 kHz
x dB Bandwidth: 9.888 MHz

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1.14. Occupied Bandwidth for SA_Part22-24-27(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	9.27	9.85	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 1.88 GHz, and the span is 20 MHz. The occupied bandwidth is highlighted as 9.2706 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -6.456 kHz, and the XdB bandwidth is 9.854 MHz. The interface includes various measurement controls and a list of measurement options on the right side.

Measurement	Value
Occupied Bandwidth	9.2706 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-6.456 kHz
x dB Bandwidth	9.854 MHz

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1.15. Occupied Bandwidth for SA_Part22-24-27(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	9.27	9.83	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	9.2728 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-10.953 kHz
x dB Bandwidth	9.832 MHz

Additional parameters shown in the interface include: Ch Freq 1.905 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst, 10.6 dB, Center 1.905 000 GHz, Span 20 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 5 s (3333 pts).

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1.16. Occupied Bandwidth for SA_Part22-24-27(Channel:371000, 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
1855	99	26	0.03	Peak	9.28	9.81	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 1.855 GHz with a 20 MHz span. The signal level is approximately 30 dBm, and the attenuation is 30 dB. The occupied bandwidth is highlighted in green, showing a value of 9.2758 MHz. The power level is 99.00% and the XdB bandwidth is -26.00 dB. The interface also shows various measurement parameters such as Res BW (30 kHz), VBW (1 MHz), and Sweep (5 s).

Occupied Bandwidth	Occ BW % Pwr	99.00 %
9.2758 MHz	x dB	-26.00 dB
Transmit Freq Error	378.791 Hz	
x dB Bandwidth	9.814 MHz	

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1.17. Occupied Bandwidth for SA_Part22-24-27(Channel:376000, 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
1880	99	26	0.03	Peak	9.27	9.77	10	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 1.880 GHz with a span of 20 MHz. The signal level is approximately 10.7 dB. The occupied bandwidth is measured as 9.2748 MHz, which is 99.00% of the total bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -2.120 kHz. The XdB bandwidth is 9.769 MHz. The interface also shows various settings such as Res BW (30 kHz), VBW (1 MHz), and Sweep (5 s).

Occupied Bandwidth	Occ BW % Pwr	99.00 %
9.2748 MHz	x dB	-26.00 dB
Transmit Freq Error	-2.120 kHz	
x dB Bandwidth	9.769 MHz	

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1.18. Occupied Bandwidth for SA_Part22-24-27(Channel:381000, 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
1905	99	26	0.03	Peak	9.28	9.8	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 1.905 GHz, and the span is 20 MHz. The occupied bandwidth is highlighted as 9.2787 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -8.666 kHz, and the XdB bandwidth is 9.805 MHz. 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	99.00 %
9.2787 MHz	x dB	-26.00 dB
Transmit Freq Error	-8.666 kHz	
x dB Bandwidth	9.805 MHz	

1.19. Occupied Bandwidth for SA_Part22-24-27(Channel:371000, 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
1855	99	26	0.03	Peak	9.27	9.89	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 1.855 GHz with a 20 MHz span. The y-axis is labeled 'Log 10 dB/Offst 10.6 dB'. The plot shows a signal with a peak level of approximately -26 dB. The 'Occupied Bandwidth' is highlighted in a green box, showing a value of 9.2666 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is -10.988 kHz and the 'x dB Bandwidth' is 9.889 MHz. The 'Averages' are set to 1. The 'Meas Off' button is visible on the right side of the interface.

Occupied Bandwidth	Occ BW % Pwr	x dB
9.2666 MHz	99.00 %	-26.00 dB

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1.20. Occupied Bandwidth for SA_Part22-24-27(Channel:376000, 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
1880	99	26	0.03	Peak	9.26	9.88	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 1.88 GHz, and the span is 20 MHz. The occupied bandwidth is measured as 9.2644 MHz, which is 99.00% of the 9.881 MHz bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -15.277 kHz. The interface includes various measurement controls and a list of measurement options on the right side.

Measurement	Value
Occupied Bandwidth	9.2644 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-15.277 kHz
x dB Bandwidth	9.881 MHz

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1.21. Occupied Bandwidth for SA_Part22-24-27(Channel:381000, 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
1905	99	26	0.03	Peak	9.26	9.8	10	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 1.905 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

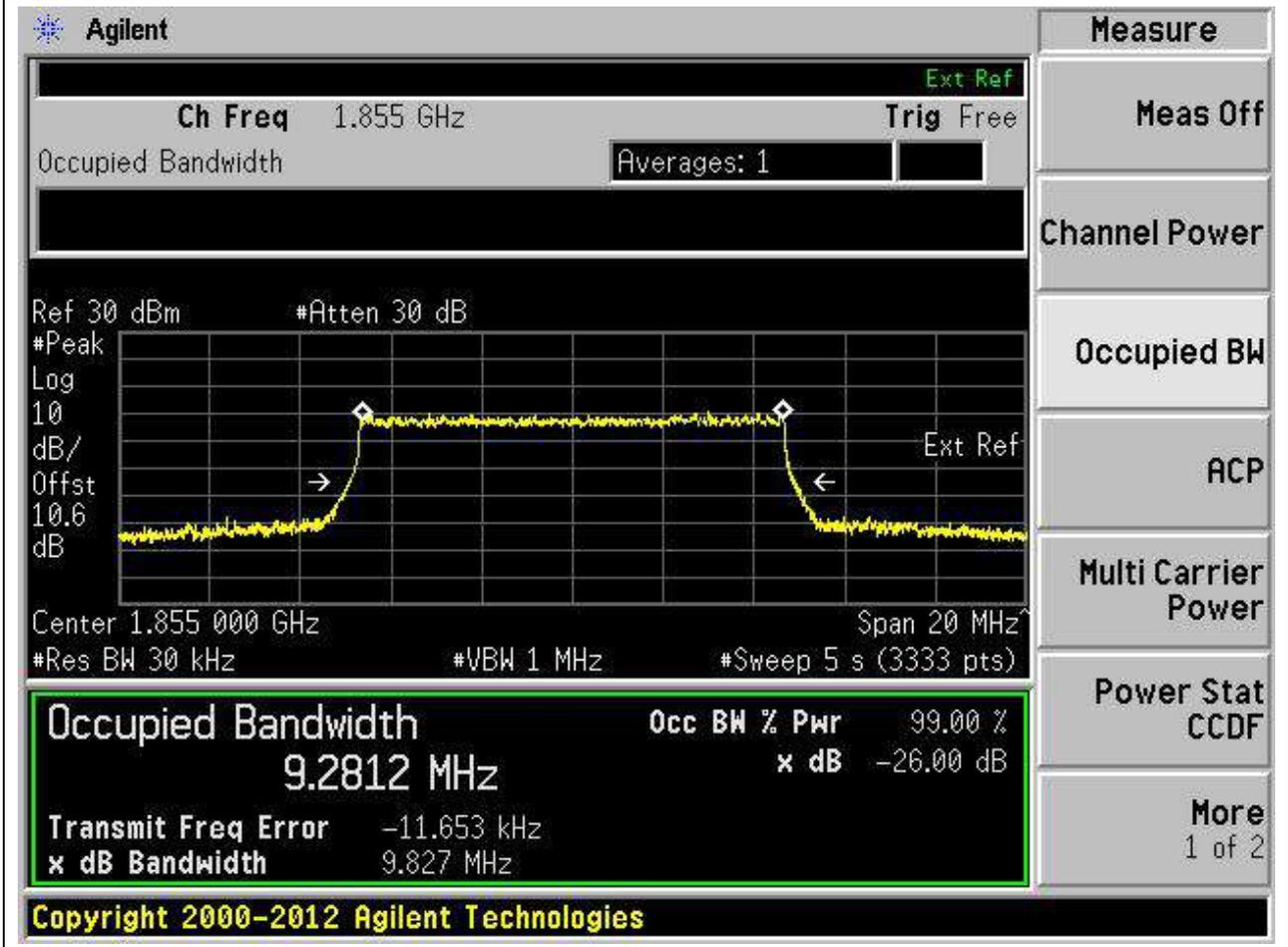
Center 1.905 000 GHz Span 20 MHz
 #Res BW 30 kHz #VBW 1 MHz #Sweep 5 s (3333 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
9.2645 MHz	x dB	-26.00 dB
Transmit Freq Error	-20.369 kHz	
x dB Bandwidth	9.798 MHz	

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1.22. Occupied Bandwidth for SA_Part22-24-27(Channel:371000, 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
1855	99	26	0.03	Peak	9.28	9.83	10	Pass



1.23. Occupied Bandwidth for SA_Part22-24-27(Channel:376000, 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
1880	99	26	0.03	Peak	9.28	9.87	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 1.88 GHz, and the span is 20 MHz. The occupied bandwidth is highlighted in a green box, showing a value of 9.2772 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -12.338 kHz, and the XdB bandwidth is 9.873 MHz. The interface includes various measurement controls and a list of measurement options on the right side.

Measurement	Value
Occupied Bandwidth	9.2772 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-12.338 kHz
x dB Bandwidth	9.873 MHz

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1.24. Occupied Bandwidth for SA_Part22-24-27(Channel:381000, 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
1905	99	26	0.03	Peak	9.27	9.86	10	Pass

