

Annex A.3 Occupied Bandwidth

1. WCDMA_Band2

1.1. WCDMA Occupied Bandwidth(NTNV)(Channel:9262)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1852.4	99	26	0.1	Peak	4.119	4.708	5	Pass

Agilent
Freq/Channel

Ch Freq 1.8524 GHz Ext Ref Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 1.852 400 GHz Span 10 MHz

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

Center Freq
1.85240000 GHz

Start Freq
1.84740000 GHz

Stop Freq
1.85740000 GHz

CF Step
1.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth
4.1193 MHz

Transmit Freq Error -8.771 kHz

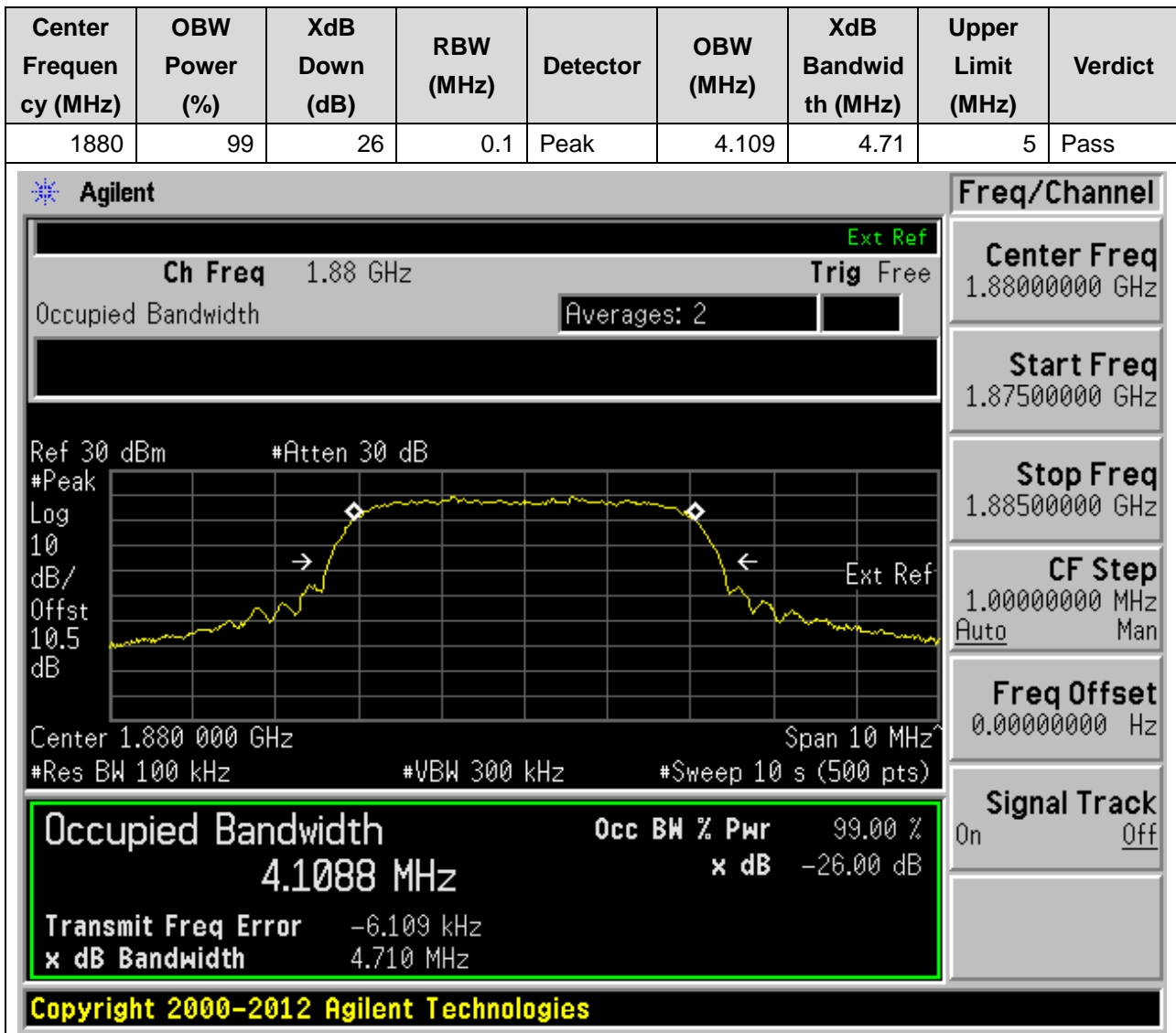
x dB Bandwidth 4.708 MHz

Occ BW % Pwr 99.00 %

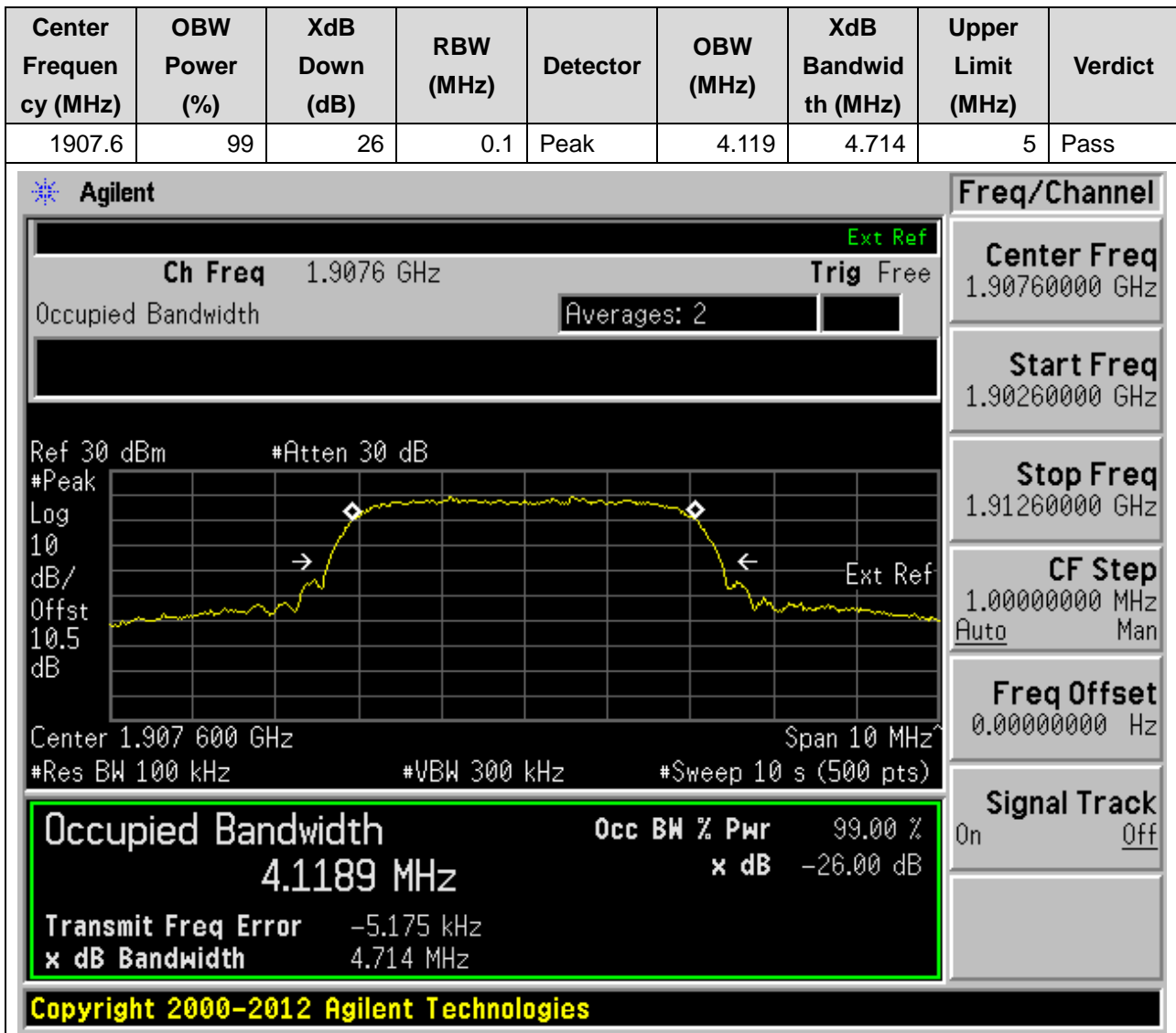
x dB -26.00 dB

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1.2. WCDMA Occupied Bandwidth(NTNV)(Channel:9400)

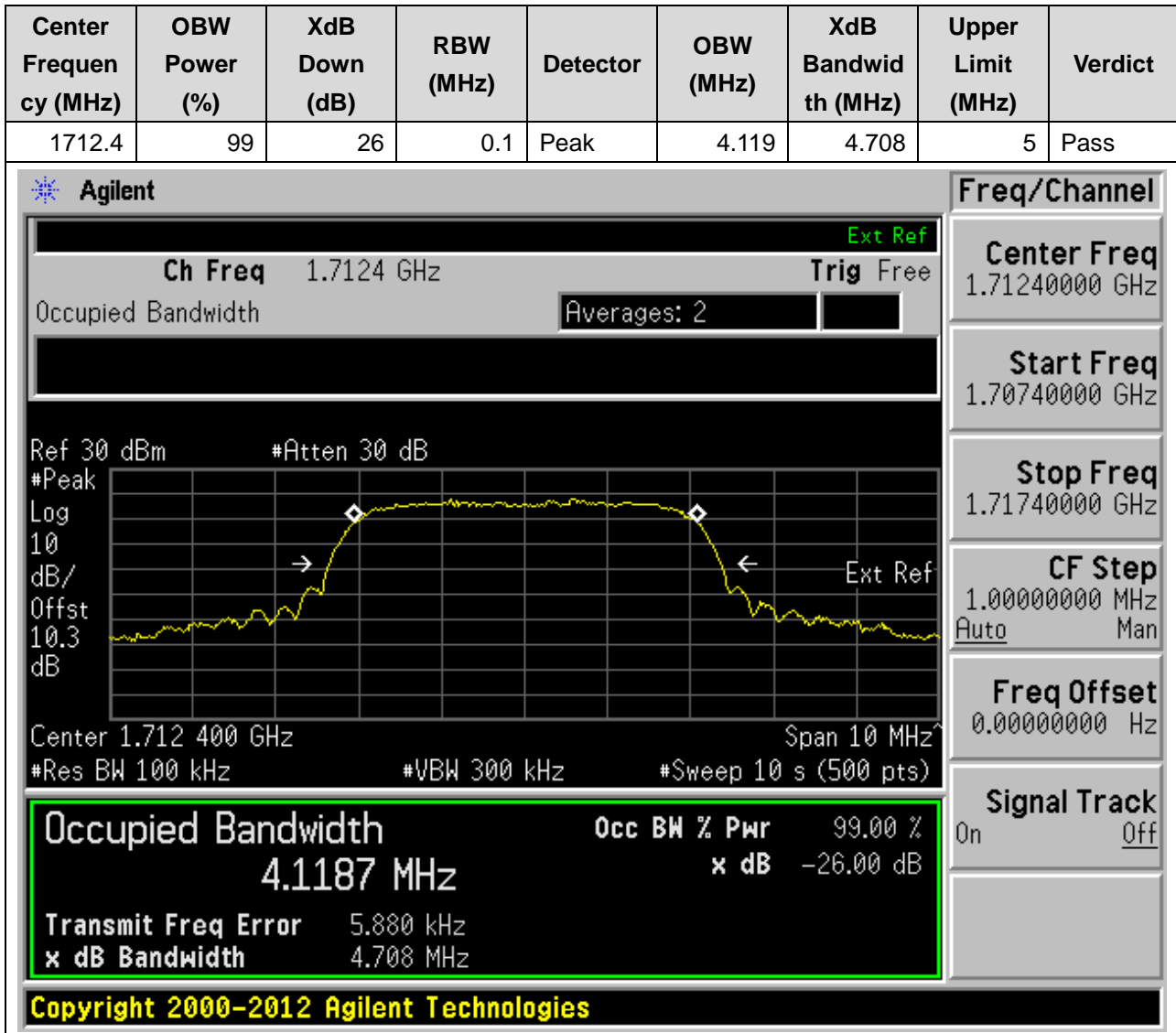


1.3. WCDMA Occupied Bandwidth(NTNV)(Channel:9538)

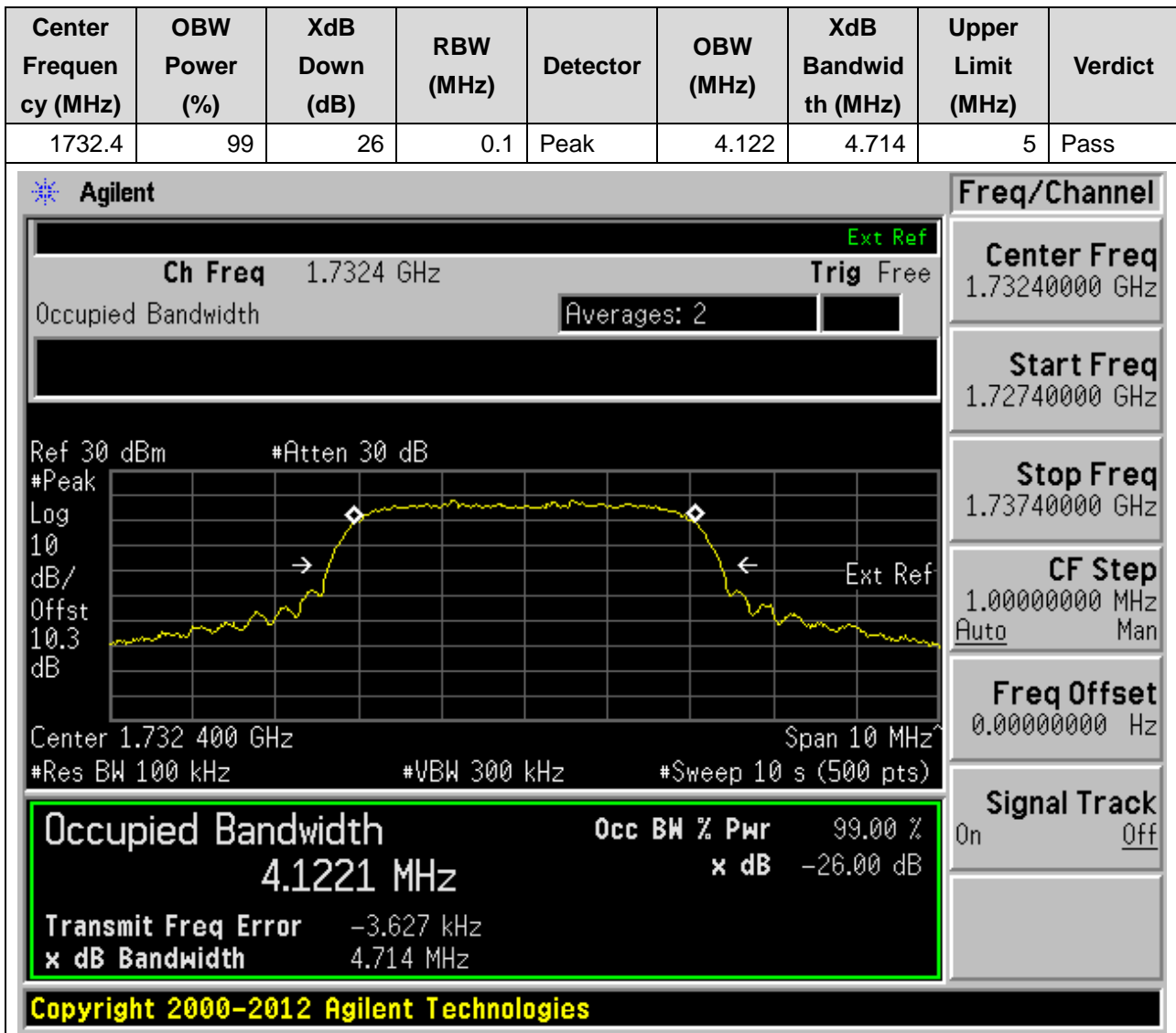


2. WCDMA_Band4

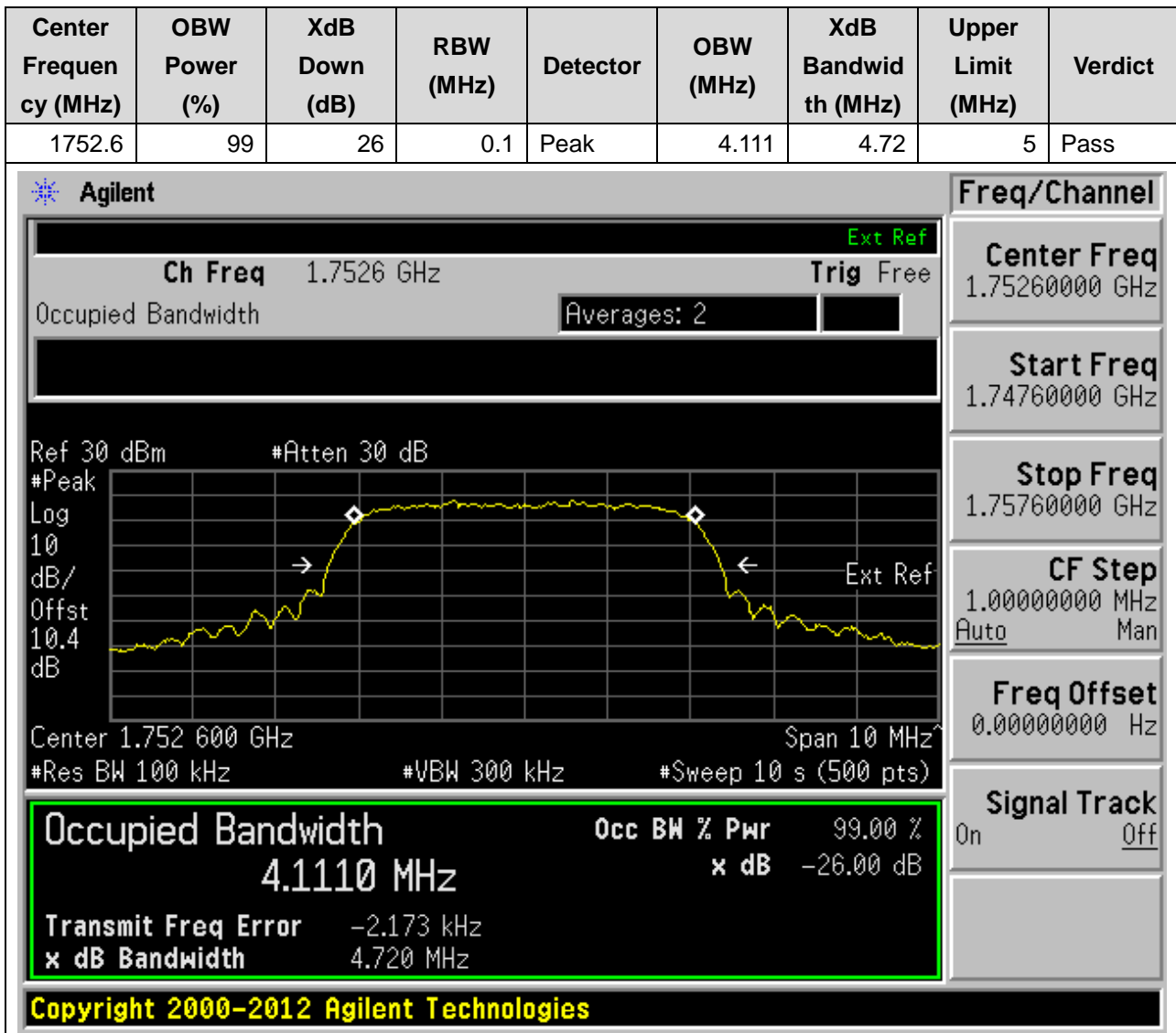
2.1. WCDMA Occupied Bandwidth(NTNV)(Channel:1312)



2.2. WCDMA Occupied Bandwidth(NTNV)(Channel:1412)



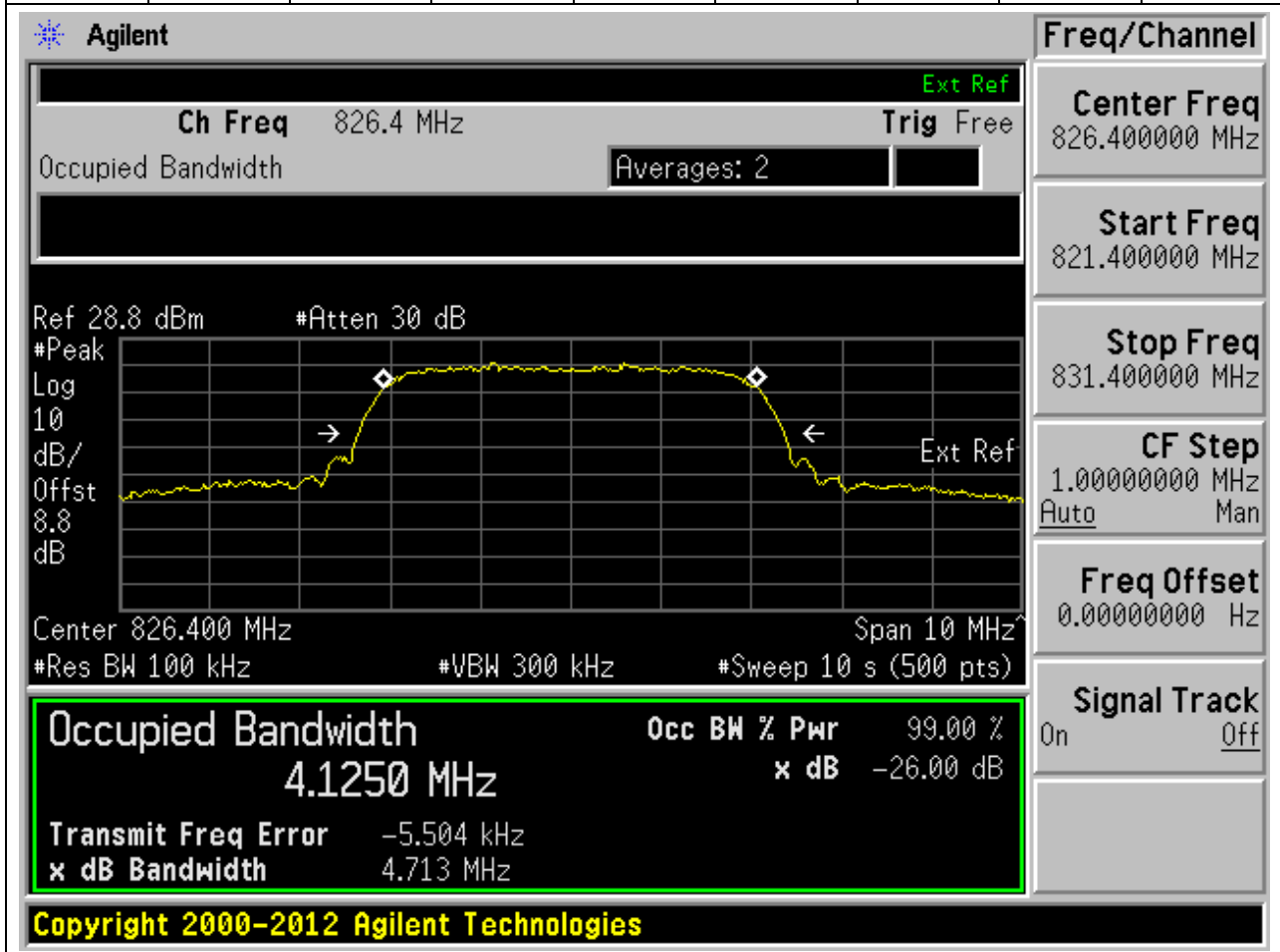
2.3. WCDMA Occupied Bandwidth(NTNV)(Channel:1513)



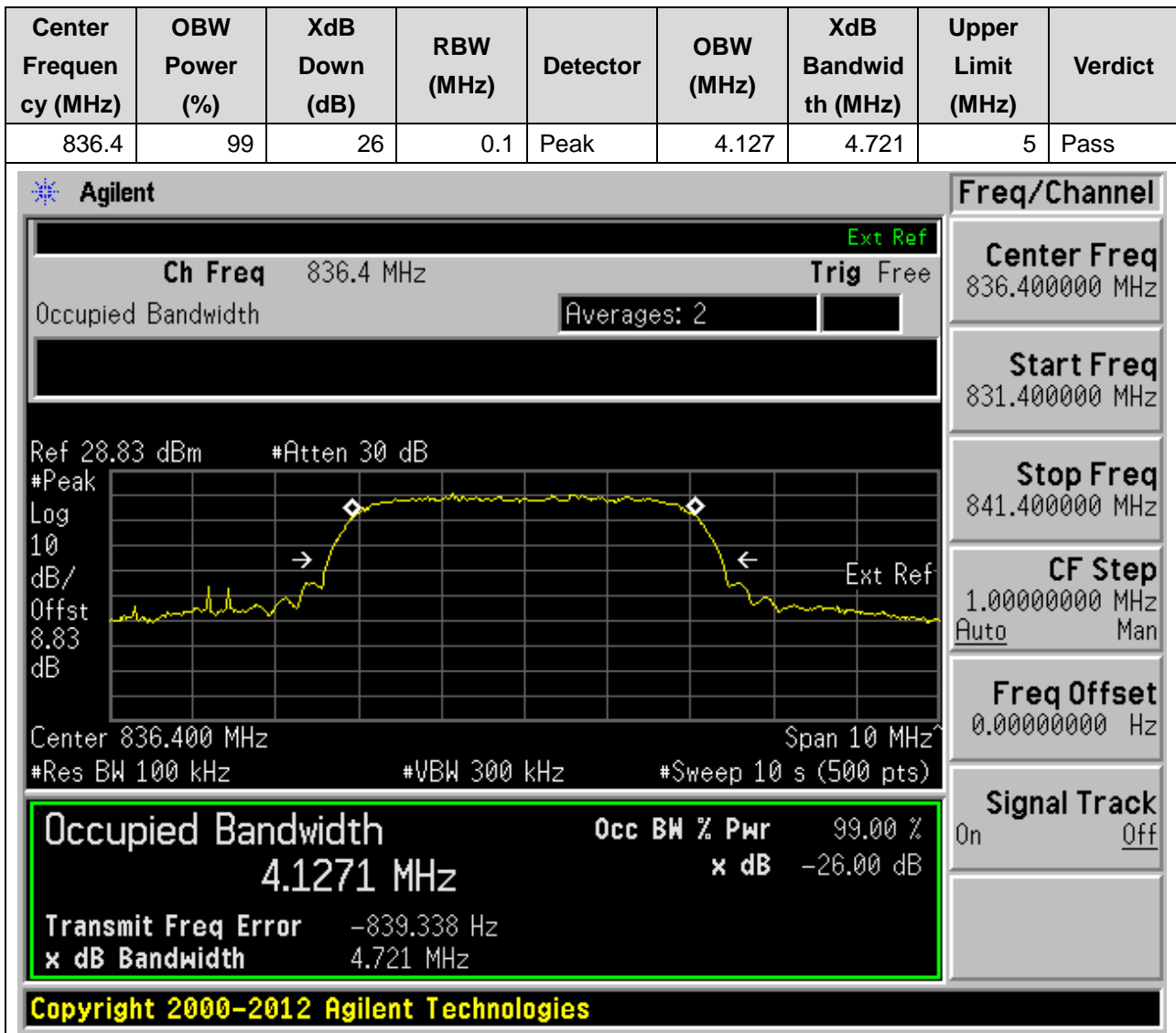
3. WCDMA_Band5

3.1. WCDMA Occupied Bandwidth(NTNV)(Channel:4132)

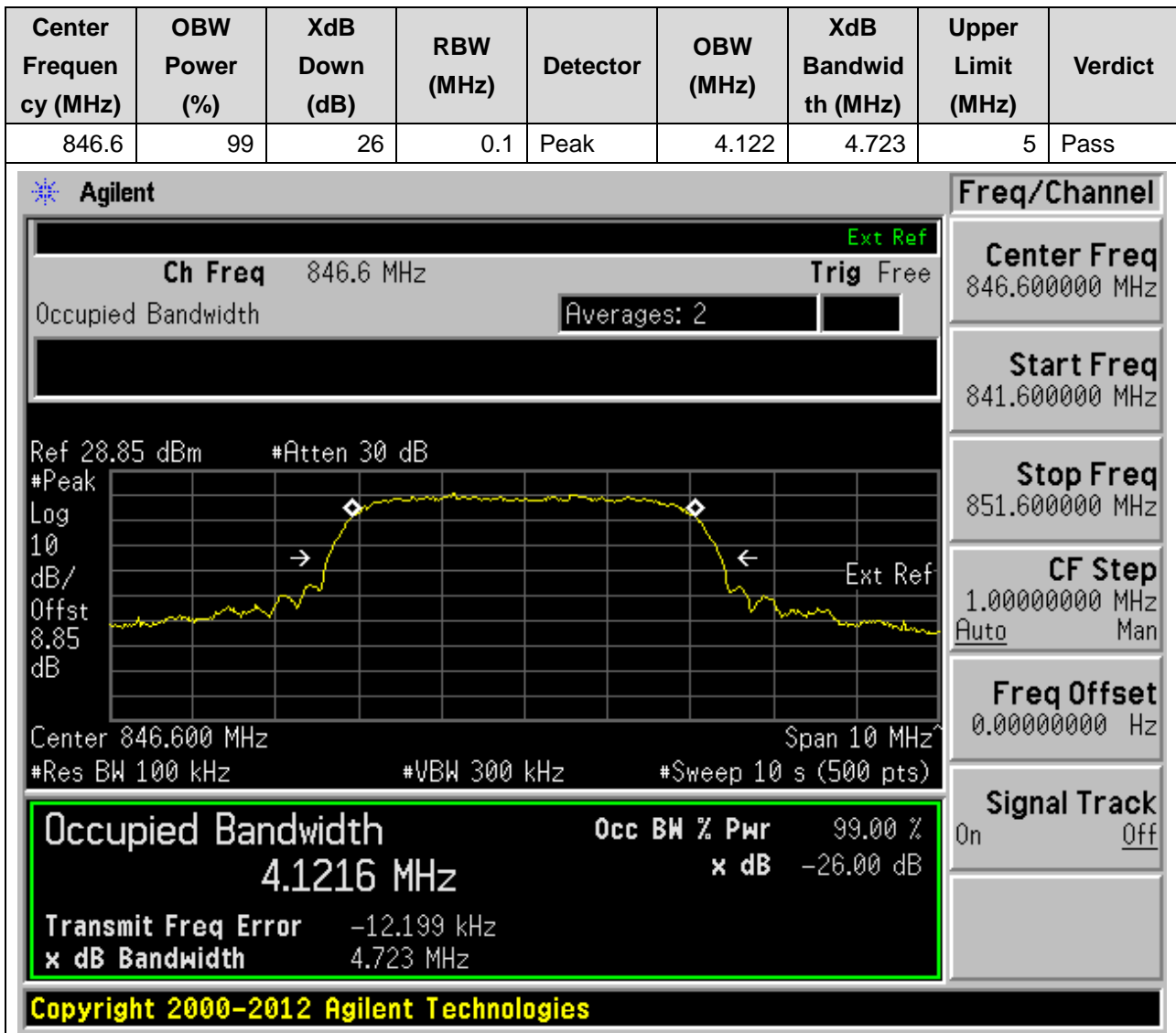
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
826.4	99	26	0.1	Peak	4.125	4.713	5	Pass



3.2. WCDMA Occupied Bandwidth(NTNV)(Channel:4182)

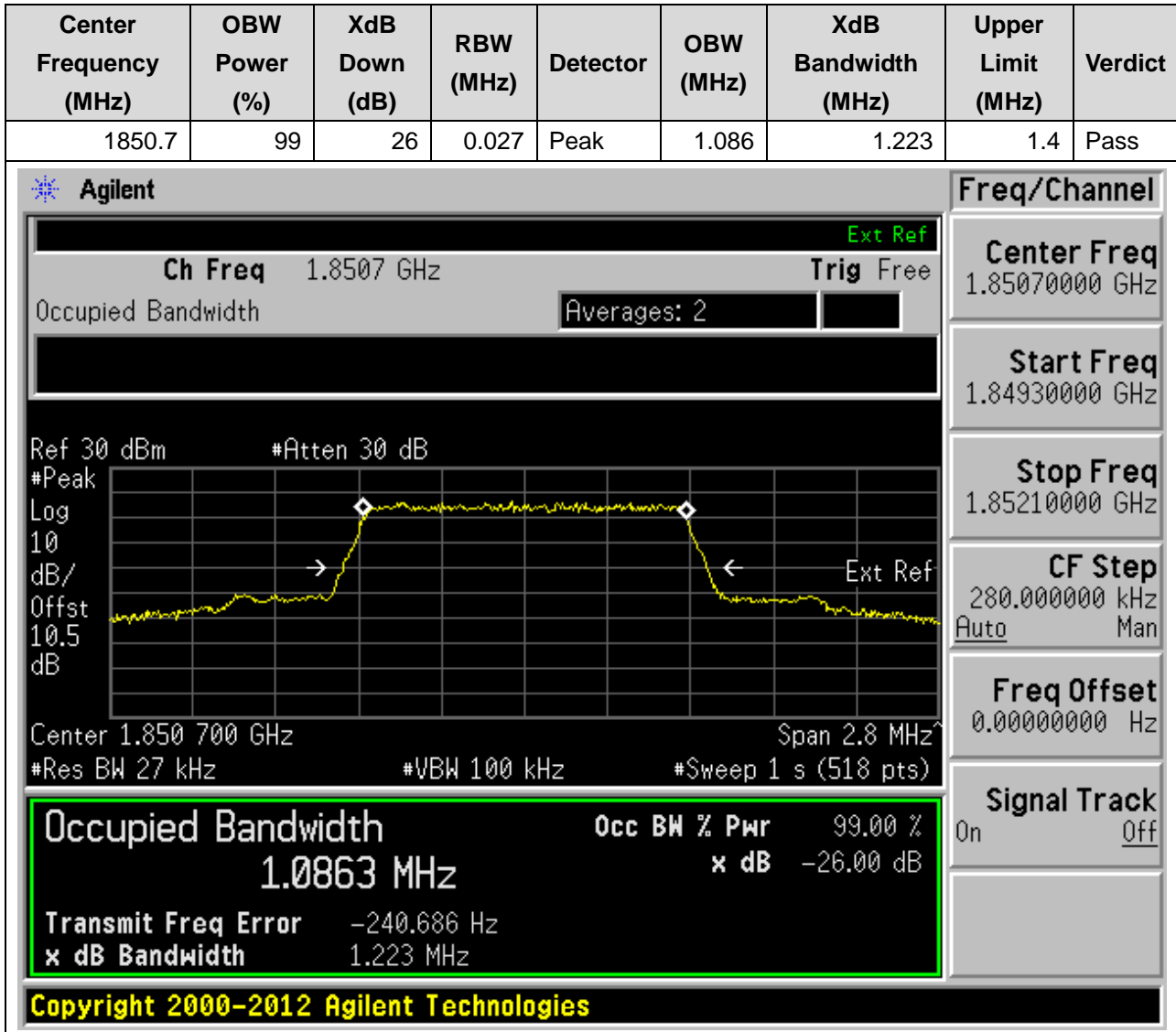


3.3. WCDMA Occupied Bandwidth(NTNV)(Channel:4233)



4. LTE_Band2

4.1. LTE Occupied Bandwidth(NTNV)(Subtest:1, Channel:18607, Bandwidth:1.4, Modulation:QPSK, RB Number: 6, RB Position:LOW)



4.2. LTE Occupied Bandwidth(NTNV)(Subtest:2, Channel:18607, Bandwidth:1.4, Modulation:Q16, RB Number: 6, RB Position:LOW)



4.3. LTE Occupied Bandwidth(NTNV)(Subtest:3, Channel:18900, Bandwidth:1.4, Modulation:QPSK, RB Number: 6, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	0.027	Peak	1.088	1.24	1.4	Pass

Agilent

Ch Freq 1.88 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak

Log

10

dB/Offst

10.5

dB

Center 1.880 000 GHz Span 2.8 MHz

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

Freq/Channel

Center Freq
1.88000000 GHz

Start Freq
1.87860000 GHz

Stop Freq
1.88140000 GHz

CF Step
280.000000 kHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

1.0879 MHz

x dB -26.00 dB

Transmit Freq Error -1.691 kHz

x dB Bandwidth 1.240 MHz

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4.4. LTE Occupied Bandwidth(NTNV)(Subtest:4, Channel:18900, Bandwidth:1.4, Modulation:Q16, RB Number: 6, RB Position:LOW)



4.5. LTE Occupied Bandwidth(NTNV)(Subtest:5, Channel:19193, Bandwidth:1.4, Modulation:QPSK, RB Number: 6, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1909.3	99	26	0.027	Peak	1.09	1.225	1.4	Pass

Agilent

Ch Freq 1.9093 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Occupied Bandwidth Occ BW % Pwr 99.00 %

1.0902 MHz x dB -26.00 dB

Transmit Freq Error -1.215 kHz

x dB Bandwidth 1.225 MHz

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Freq/Channel

Center Freq
1.90930000 GHz

Start Freq
1.90790000 GHz

Stop Freq
1.91070000 GHz

CF Step
280.000000 kHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

4.6. LTE Occupied Bandwidth(NTNV)(Subtest:6, Channel:19193, Bandwidth:1.4, Modulation:Q16, RB Number: 6, RB Position:LOW)



4.7. LTE Occupied Bandwidth(NTNV)(Subtest:7, Channel:18615, Bandwidth:3, Modulation:QPSK, RB Number: 15, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1851.5	99	26	0.062	Peak	2.702	3.003	3	Pass

Agilent

Ch Freq 1.8515 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 30 dBm #Atten 30 dB
#Peak
Log 10 dB/Offst 10.5 dB
Center 1.851 500 GHz Span 6 MHz
#Res BW 62 kHz #VBW 200 kHz #Sweep 1 s (483 pts)

Freq/Channel

Center Freq
1.85150000 GHz

Start Freq
1.84850000 GHz

Stop Freq
1.85450000 GHz

CF Step
600.000000 kHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

2.7024 MHz

x dB -26.00 dB

Transmit Freq Error 1.176 kHz

x dB Bandwidth 3.003 MHz

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4.8. LTE Occupied Bandwidth(NTNV)(Subtest:8, Channel:18615, Bandwidth:3, Modulation:Q16, RB Number: 15, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1851.5	99	26	0.062	Peak	2.698	2.985	3	Pass

Agilent

Ch Freq 1.8515 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 30 dBm #Atten 30 dB

Center 1.851 500 GHz Span 6 MHz

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

Freq/Channel

Center Freq
1.85150000 GHz

Start Freq
1.84850000 GHz

Stop Freq
1.85450000 GHz

CF Step
600.000000 kHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

2.6981 MHz

x dB -26.00 dB

Transmit Freq Error 673.790 Hz

x dB Bandwidth 2.985 MHz

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4.9. LTE Occupied Bandwidth(NTNV)(Subtest:9, Channel:18900, Bandwidth:3, Modulation:QPSK, RB Number: 15, RB Position:LOW)



4.10. LTE Occupied Bandwidth(NTNV)(Subtest:10, Channel:18900, Bandwidth:3, Modulation:Q16, RB Number: 15, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	0.062	Peak	2.696	2.99	3	Pass

Agilent
Freq/Channel

Ch Freq 1.88 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Center Freq
1.88000000 GHz

Start Freq
1.87700000 GHz

Stop Freq
1.88300000 GHz

CF Step
600.000000 kHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Ref 30 dBm #Atten 30 dB

Center 1.880 000 GHz Span 6 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

2.6957 MHz

x dB -26.00 dB

Transmit Freq Error -27.393 Hz

x dB Bandwidth 2.990 MHz

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4.11. LTE Occupied Bandwidth(NTNV)(Subtest:11, Channel:19185, Bandwidth:3, Modulation:QPSK, RB Number: 15, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1908.5	99	26	0.062	Peak	2.7	3.014	3	Pass

Agilent

Ch Freq 1.9085 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 30 dBm #Atten 30 dB

Center 1.908 500 GHz Span 6 MHz

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

Freq/Channel

Center Freq
1.90850000 GHz

Start Freq
1.90550000 GHz

Stop Freq
1.91150000 GHz

CF Step
600.000000 kHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

2.6999 MHz x dB -26.00 dB

Transmit Freq Error 84.111 Hz

x dB Bandwidth 3.014 MHz

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4.12. LTE Occupied Bandwidth(NTNV)(Subtest:12, Channel:19185, Bandwidth:3, Modulation:Q16, RB Number: 15, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1908.5	99	26	0.062	Peak	2.697	3.017	3	Pass

Agilent

Ch Freq 1.9085 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Center 1.908 500 GHz Span 6 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

2.6974 MHz x dB -26.00 dB

Transmit Freq Error 2.109 kHz

x dB Bandwidth 3.017 MHz

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Freq/Channel

Center Freq
1.90850000 GHz

Start Freq
1.90550000 GHz

Stop Freq
1.91150000 GHz

CF Step
600.000000 kHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

4.13. LTE Occupied Bandwidth(NTNV)(Subtest:13, Channel:18625, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)

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	4.511	4.971	5	Pass

Agilent

Ch Freq 1.8525 GHz Ext Ref
 Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak
 Log 10
 dB/Offst 10.5 dB

Center 1.852 500 GHz Span 10 MHz
 #Res BW 100 kHz #VBW 300 kHz #Sweep 1 s (500 pts)

Occupied Bandwidth Occ BW % Pwr 99.00 %
 4.5108 MHz x dB -26.00 dB

Transmit Freq Error -5.395 kHz
 x dB Bandwidth 4.971 MHz

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Freq/Channel

Center Freq
1.85250000 GHz

Start Freq
1.84750000 GHz

Stop Freq
1.85750000 GHz

CF Step
1.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

4.14. LTE Occupied Bandwidth(NTNV)(Subtest:14, Channel:18625, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)

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	4.494	4.944	5	Pass

Agilent

Ch Freq 1.8525 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 30 dB #Atten 30 dB

#Peak Log 10 dB/Offst 10.5 dB

Center 1.852 500 GHz Span 10 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

4.4938 MHz x dB -26.00 dB

Transmit Freq Error -8.020 kHz

x dB Bandwidth 4.944 MHz

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Freq/Channel

Center Freq
1.85250000 GHz

Start Freq
1.84750000 GHz

Stop Freq
1.85750000 GHz

CF Step
1.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

4.15. LTE Occupied Bandwidth(NTNV)(Subtest:15, Channel:18900, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)

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	4.506	4.992	5	Pass

Agilent

Ch Freq 1.88 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 30 dBm #Atten 30 dB

Center 1.880 000 GHz Span 10 MHz

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

Freq/Channel

Center Freq
1.88000000 GHz

Start Freq
1.87500000 GHz

Stop Freq
1.88500000 GHz

CF Step
1.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

4.5061 MHz

x dB -26.00 dB

Transmit Freq Error -5.482 kHz

x dB Bandwidth 4.992 MHz

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4.16. LTE Occupied Bandwidth(NTNV)(Subtest:16, Channel:18900, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)

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	4.504	4.96	5	Pass

Agilent

Ch Freq 1.88 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.5 dB

Center 1.880 000 GHz Span 10 MHz

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

Freq/Channel

Center Freq 1.88000000 GHz

Start Freq 1.87500000 GHz

Stop Freq 1.88500000 GHz

CF Step 1.00000000 MHz
Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

4.5037 MHz x dB -26.00 dB

Transmit Freq Error -3.514 kHz

x dB Bandwidth 4.960 MHz

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4.17. LTE Occupied Bandwidth(NTNV)(Subtest:17, Channel:19175, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)

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	4.497	4.937	5	Pass

Agilent

Ch Freq 1.9075 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.5 dB

Center 1.907 500 GHz Span 10 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

4.4969 MHz x dB -26.00 dB

Transmit Freq Error -743.793 Hz

x dB Bandwidth 4.937 MHz

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Freq/Channel

Center Freq
1.90750000 GHz

Start Freq
1.90250000 GHz

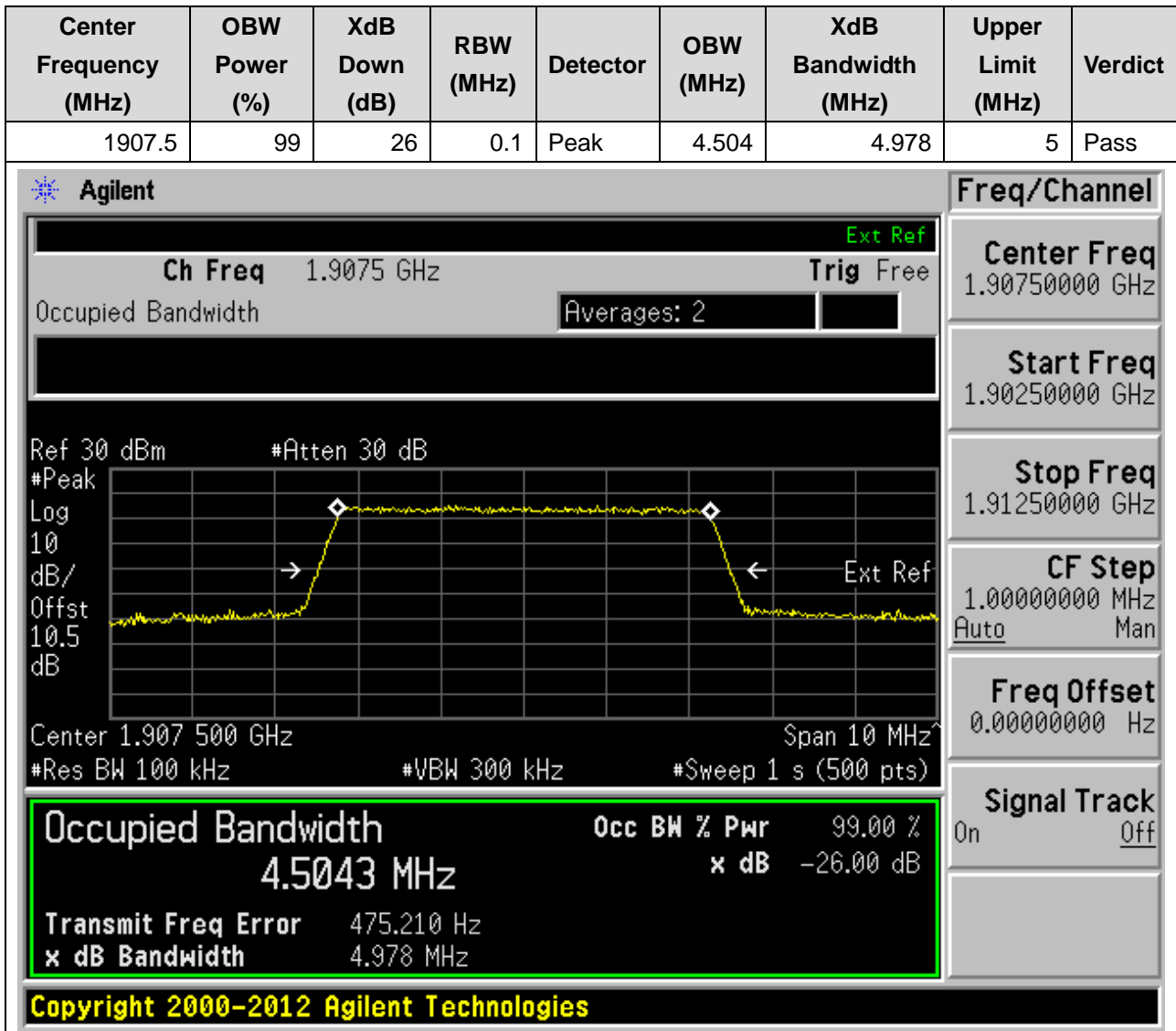
Stop Freq
1.91250000 GHz

CF Step
1.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

4.18. LTE Occupied Bandwidth(NTNV)(Subtest:18, Channel:19175, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)



4.19. LTE Occupied Bandwidth(NTNV)(Subtest:19, Channel:18650, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1855	99	26	0.2	Peak	8.978	9.828	10	Pass

Agilent

Ch Freq 1.855 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak

Log

10

dB/Offst

10.5

dB

Center 1.855 00 GHz Span 20 MHz

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

Freq/Channel

Center Freq
1.85500000 GHz

Start Freq
1.84500000 GHz

Stop Freq
1.86500000 GHz

CF Step
2.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

8.9782 MHz x dB -26.00 dB

Transmit Freq Error -11.520 kHz

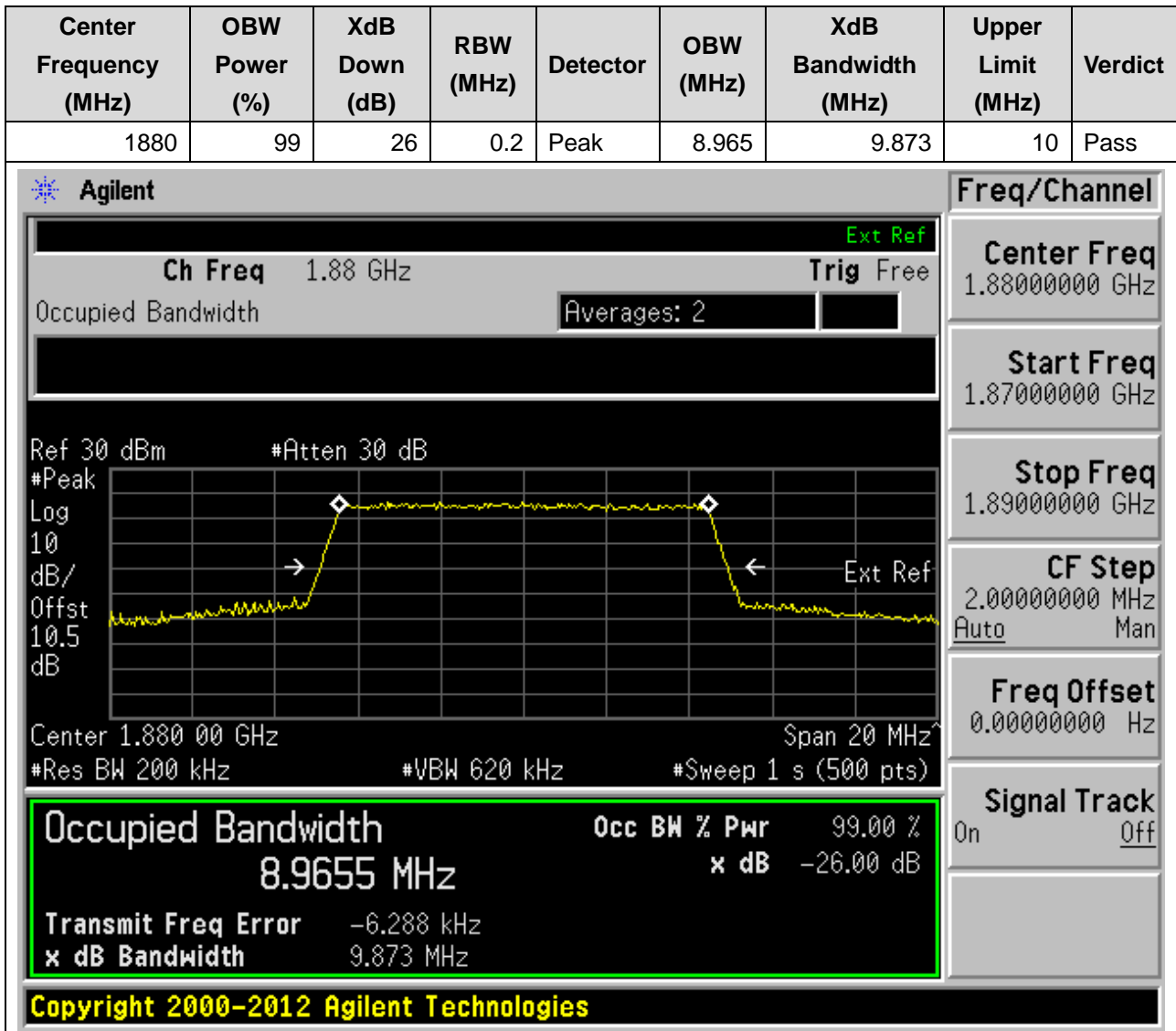
x dB Bandwidth 9.828 MHz

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4.20. LTE Occupied Bandwidth(NTNV)(Subtest:20, Channel:18650, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)



4.21. LTE Occupied Bandwidth(NTNV)(Subtest:21, Channel:18900, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)



4.22. LTE Occupied Bandwidth(NTNV)(Subtest:22, Channel:18900, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)



4.23. LTE Occupied Bandwidth(NTNV)(Subtest:23, Channel:19150, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1905	99	26	0.2	Peak	8.964	9.796	10	Pass

Agilent

Ch Freq 1.905 GHz Ext Ref Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log dB/ Offst Ext Ref

10 10.5 dB

Center 1.905 00 GHz Span 20 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

8.9638 MHz x dB -26.00 dB

Transmit Freq Error -16.431 kHz

x dB Bandwidth 9.796 MHz

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Freq/Channel

Center Freq 1.90500000 GHz

Start Freq 1.89500000 GHz

Stop Freq 1.91500000 GHz

CF Step 2.00000000 MHz
Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

4.24. LTE Occupied Bandwidth(NTNV)(Subtest:24, Channel:19150, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1905	99	26	0.2	Peak	8.967	9.86	10	Pass

Agilent
Freq/Channel

Ch Freq 1.905 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Center Freq
1.90500000 GHz

Start Freq
1.89500000 GHz

Stop Freq
1.91500000 GHz

CF Step
2.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Ref 30 dBm #Atten 30 dB

Center 1.905 00 GHz Span 20 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

8.9666 MHz x dB -26.00 dB

Transmit Freq Error -19.256 kHz

x dB Bandwidth 9.860 MHz

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4.25. LTE Occupied Bandwidth(NTNV)(Subtest:25, Channel:18675, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1857.5	99	26	0.3	Peak	13.454	14.717	15	Pass

Agilent

Ch Freq 1.8575 GHz Ext Ref Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log dB/ Offst dB

Center 1.857 50 GHz Span 30 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

13.4544 MHz x dB -26.00 dB

Transmit Freq Error -25.757 kHz

x dB Bandwidth 14.717 MHz

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Freq/Channel

Center Freq 1.85750000 GHz

Start Freq 1.84250000 GHz

Stop Freq 1.87250000 GHz

CF Step 3.00000000 MHz Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

4.26. LTE Occupied Bandwidth(NTNV)(Subtest:26, Channel:18675, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1857.5	99	26	0.3	Peak	13.476	14.632	15	Pass

Agilent

Ch Freq 1.8575 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 30 dBm #Atten 30 dB

Center 1.857 50 GHz Span 30 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

13.4760 MHz

x dB -26.00 dB

Transmit Freq Error -19.137 kHz

x dB Bandwidth 14.632 MHz

Freq/Channel

Center Freq
1.85750000 GHz

Start Freq
1.84250000 GHz

Stop Freq
1.87250000 GHz

CF Step
3.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

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4.27. LTE Occupied Bandwidth(NTNV)(Subtest:27, Channel:18900, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	0.3	Peak	13.397	14.608	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The plot is set to a center frequency of 1.880 GHz and a span of 30 MHz. The resolution bandwidth (RBW) is 300 kHz and the video bandwidth (VBW) is 1 MHz. The plot shows a signal with a peak level of approximately -26 dB. The occupied bandwidth is measured as 13.3972 MHz, which is 99.00% of the total bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -11.005 kHz. The XdB bandwidth is 14.608 MHz. The signal track is turned on. The copyright notice at the bottom reads 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth		Occ BW % Pwr	99.00 %
13.3972 MHz		x dB	-26.00 dB
Transmit Freq Error		-11.005 kHz	
x dB Bandwidth		14.608 MHz	

4.28. LTE Occupied Bandwidth(NTNV)(Subtest:28, Channel:18900, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	0.3	Peak	13.422	14.672	15	Pass

Agilent

Ch Freq 1.88 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak

Log

10

dB/Offst

10.5

dB

Center 1.880 00 GHz Span 30 MHz

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

Freq/Channel

Center Freq
1.88000000 GHz

Start Freq
1.86500000 GHz

Stop Freq
1.89500000 GHz

CF Step
3.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

13.4224 MHz x dB -26.00 dB

Transmit Freq Error -25.179 kHz

x dB Bandwidth 14.672 MHz

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4.29. LTE Occupied Bandwidth(NTNV)(Subtest:29, Channel:19125, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1902.5	99	26	0.3	Peak	13.41	14.607	15	Pass

Agilent

Ch Freq 1.9025 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Ext Ref

Log dB/ Offst Ext Ref

10 10.5 dB

Center 1.902 50 GHz Span 30 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

13.4102 MHz x dB -26.00 dB

Transmit Freq Error -11.761 kHz

x dB Bandwidth 14.607 MHz

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Freq/Channel

Center Freq 1.90250000 GHz

Start Freq 1.88750000 GHz

Stop Freq 1.91750000 GHz

CF Step 3.00000000 MHz
Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

4.30. LTE Occupied Bandwidth(NTNV)(Subtest:30, Channel:19125, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1902.5	99	26	0.3	Peak	13.43	14.737	15	Pass

Agilent

Ch Freq 1.9025 GHz Ext Ref Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log dB/ Offst Ext Ref

10 10.5 dB

Center 1.902 50 GHz Span 30 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

13.4300 MHz x dB -26.00 dB

Transmit Freq Error -12.261 kHz

x dB Bandwidth 14.737 MHz

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Freq/Channel

Center Freq 1.90250000 GHz

Start Freq 1.88750000 GHz

Stop Freq 1.91750000 GHz

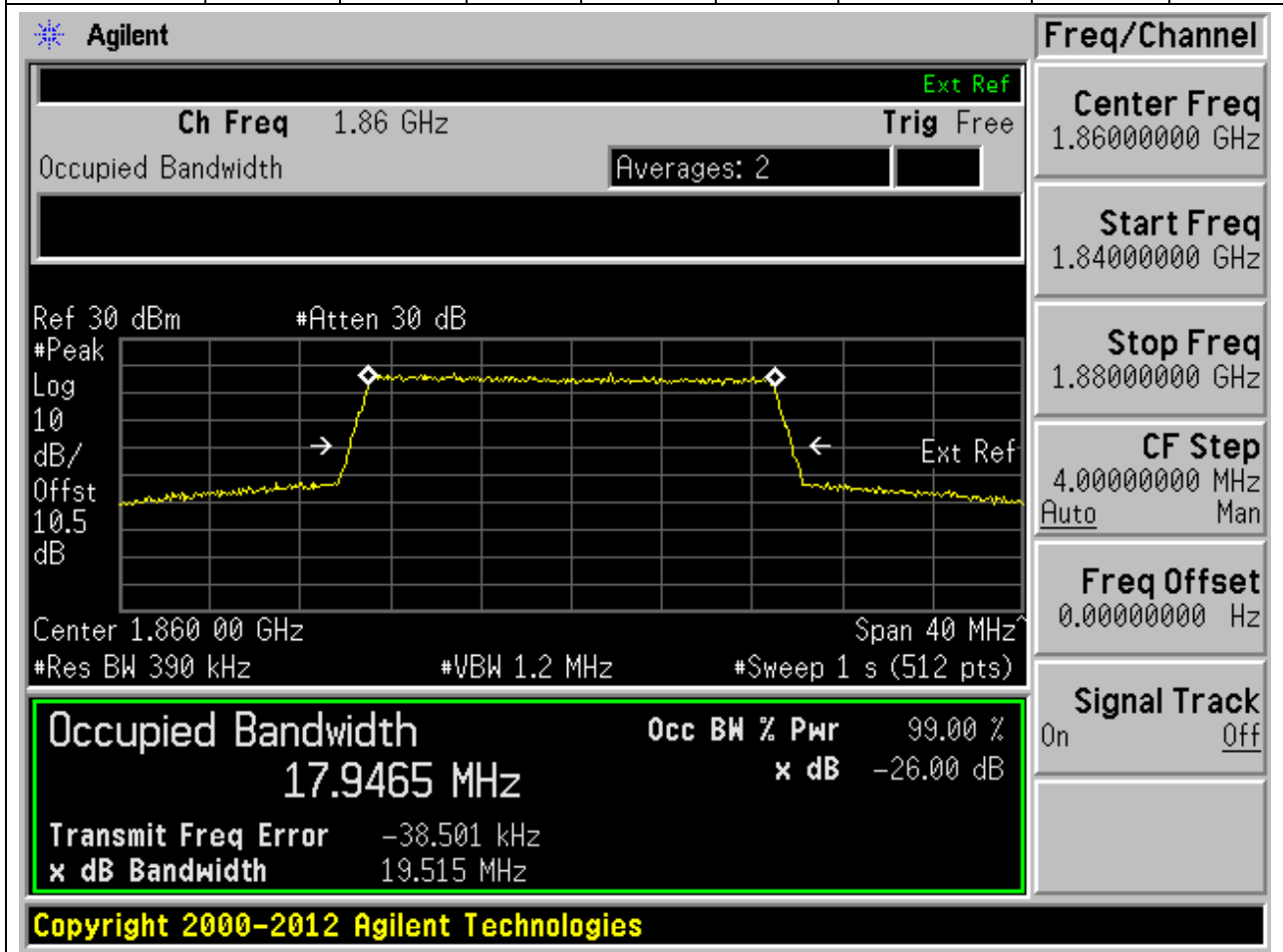
CF Step 3.00000000 MHz
Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

4.31. LTE Occupied Bandwidth(NTNV)(Subtest:31, Channel:18700, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1860	99	26	0.39	Peak	17.946	19.515	20	Pass



4.32. LTE Occupied Bandwidth(NTNV)(Subtest:32, Channel:18700, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1860	99	26	0.39	Peak	17.946	19.548	20	Pass

Agilent

Ch Freq 1.86 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak

Log 10

dB/Offst 10.5 dB

Center 1.860 00 GHz Span 40 MHz

#Res BW 390 kHz #VBW 1.2 MHz #Sweep 1 s (512 pts)

Freq/Channel

Center Freq
1.86000000 GHz

Start Freq
1.84000000 GHz

Stop Freq
1.88000000 GHz

CF Step
4.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

17.9458 MHz

x dB -26.00 dB

Transmit Freq Error -18.519 kHz

x dB Bandwidth 19.548 MHz

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4.33. LTE Occupied Bandwidth(NTNV)(Subtest:33, Channel:18900, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	0.39	Peak	17.862	19.457	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 1.88 GHz. The occupied bandwidth is 17.8622 MHz, which is 99.00% of the power. The XdB down is -26.00 dB. The transmit frequency error is -15.315 kHz, and the XdB bandwidth is 19.457 MHz. The plot shows a flat top with sharp edges, indicating a narrowband signal. The X-axis is frequency in MHz, and the Y-axis is power in dB. The plot is labeled with 'Ref 30 dBm', '#Atten 30 dB', '#Peak', 'Log', '10 dB/Offst', '10.5 dB', 'Center 1.880 00 GHz', 'Span 40 MHz', '#Res BW 390 kHz', '#VBW 1.2 MHz', and '#Sweep 1 s (512 pts)'. The 'Ext Ref' label is visible on the plot. The 'Occupied Bandwidth' section is highlighted with a green border. The 'Copyright 2000-2012 Agilent Technologies' is displayed at the bottom.

Occupied Bandwidth		Occ BW % Pwr	99.00 %
17.8622 MHz		x dB	-26.00 dB
Transmit Freq Error		-15.315 kHz	
x dB Bandwidth		19.457 MHz	

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4.34. LTE Occupied Bandwidth(NTNV)(Subtest:34, Channel:18900, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	0.39	Peak	17.866	19.506	20	Pass

Agilent

Ch Freq 1.88 GHz Ext Ref Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log dB/ Offst dB

10 10.5

Center 1.880 00 GHz Span 40 MHz

#Res BW 390 kHz #VBW 1.2 MHz #Sweep 1 s (512 pts)

Occupied Bandwidth Occ BW % Pwr 99.00 %

17.8657 MHz x dB -26.00 dB

Transmit Freq Error -22.279 kHz

x dB Bandwidth 19.506 MHz

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Freq/Channel

Center Freq 1.88000000 GHz

Start Freq 1.86000000 GHz

Stop Freq 1.90000000 GHz

CF Step 4.00000000 MHz

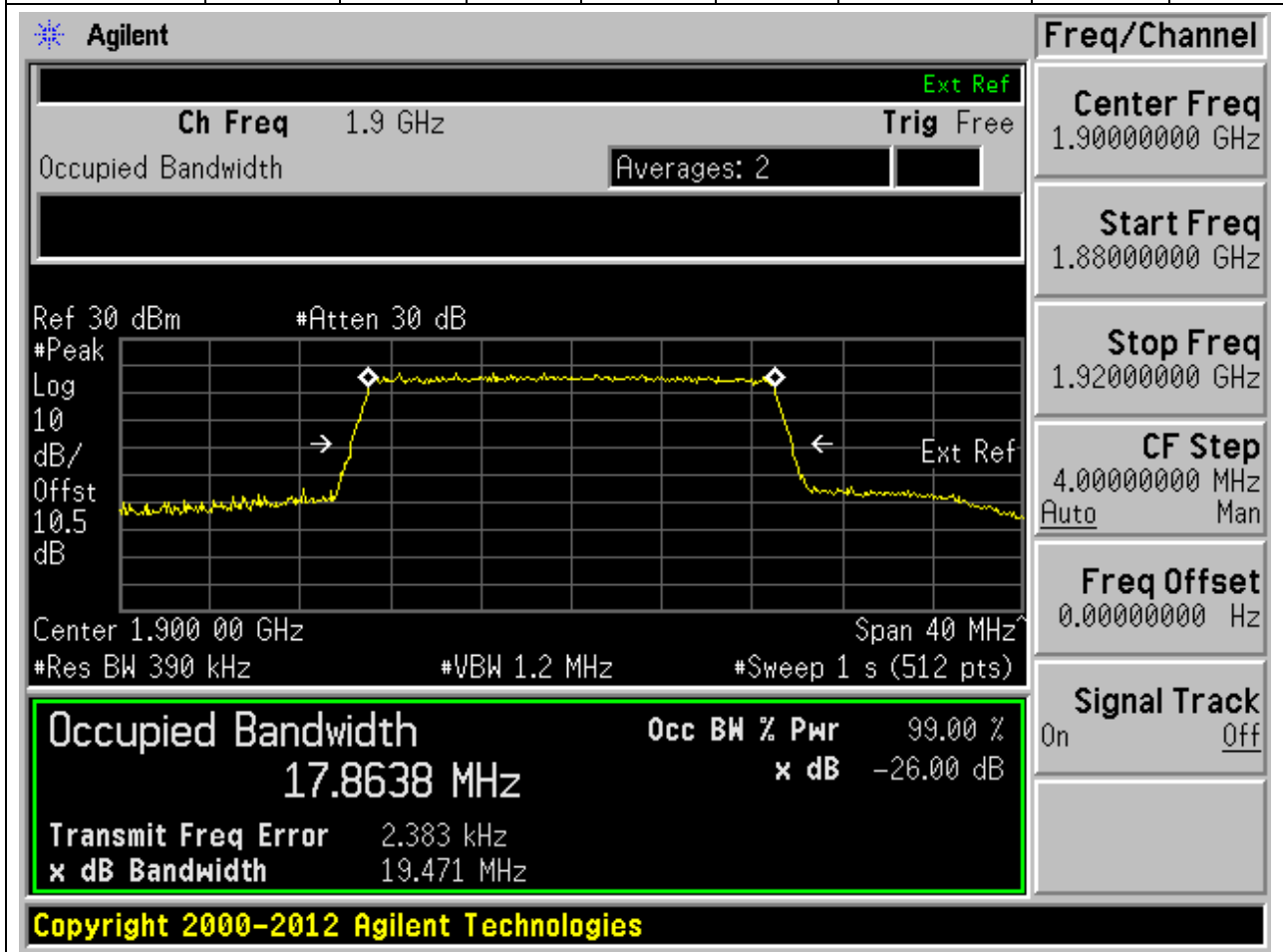
Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

4.35. LTE Occupied Bandwidth(NTNV)(Subtest:35, Channel:19100, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1900	99	26	0.39	Peak	17.864	19.471	20	Pass



4.36. LTE Occupied Bandwidth(NTNV)(Subtest:36, Channel:19100, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)

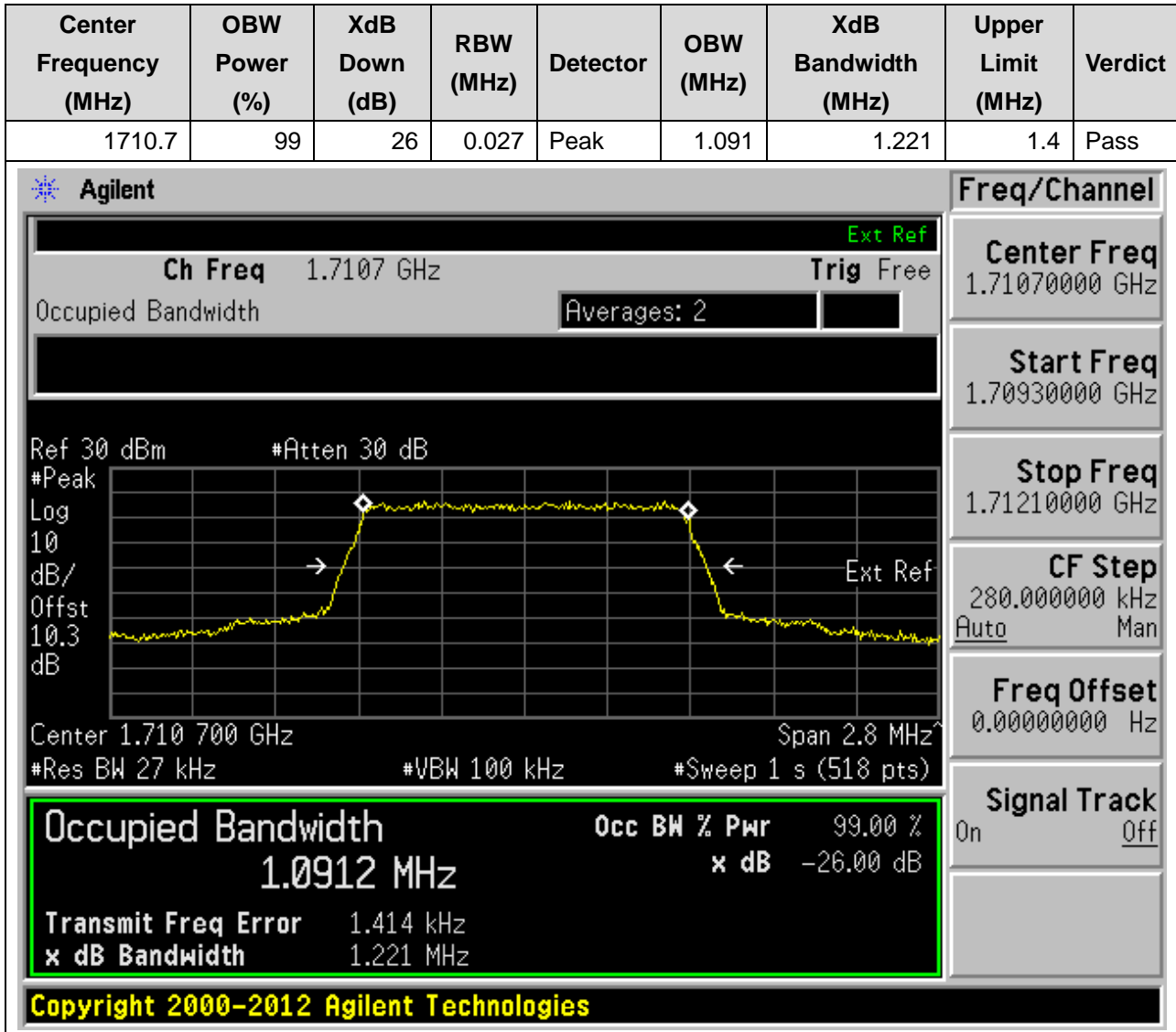
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1900	99	26	0.39	Peak	17.878	19.408	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The plot is set to a center frequency of 1.9 GHz and a span of 40 MHz. The vertical axis is labeled 'dB' and the horizontal axis is labeled 'MHz'. The plot shows a signal with a peak at approximately 1.9 GHz. The 'Occupied Bandwidth' is highlighted in a green box, showing a value of 17.8781 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is -8.489 kHz and the 'x dB Bandwidth' is 19.408 MHz. The 'Copyright 2000-2012 Agilent Technologies' is displayed at the bottom.

Freq/Channel	
Center Freq	1.90000000 GHz
Start Freq	1.88000000 GHz
Stop Freq	1.92000000 GHz
CF Step	4.00000000 MHz Auto Man
Freq Offset	0.00000000 Hz
Signal Track	On Off

5. LTE_Band4

5.1. LTE Occupied Bandwidth(NTNV)(Subtest:1, Channel:19957, Bandwidth:1.4, Modulation:QPSK, RB Number: 6, RB Position:LOW)



5.2. LTE Occupied Bandwidth(NTNV)(Subtest:2, Channel:19957, Bandwidth:1.4, Modulation:Q16, RB Number: 6, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1710.7	99	26	0.027	Peak	1.085	1.226	1.4	Pass

Agilent

Ch Freq 1.7107 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 30 dBm #Atten 30 dB

Center 1.710 700 GHz Span 2.8 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

1.0853 MHz

Transmit Freq Error 1.029 kHz x dB -26.00 dB

x dB Bandwidth 1.226 MHz

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Freq/Channel

Center Freq
1.71070000 GHz

Start Freq
1.70930000 GHz

Stop Freq
1.71210000 GHz

CF Step
280.000000 kHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

5.3. LTE Occupied Bandwidth(NTNV)(Subtest:3, Channel:20175, Bandwidth:1.4, Modulation:QPSK, RB Number: 6, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1732.5	99	26	0.027	Peak	1.083	1.224	1.4	Pass

Agilent

Ch Freq 1.7325 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 30 dBm #Atten 30 dB

Center 1.732 500 GHz Span 2.8 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
1.0832 MHz	x dB	-26.00 dB
Transmit Freq Error	370.235 Hz	
x dB Bandwidth	1.224 MHz	

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Freq/Channel

Center Freq
1.73250000 GHz

Start Freq
1.73110000 GHz

Stop Freq
1.73390000 GHz

CF Step
280.000000 kHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

5.4. LTE Occupied Bandwidth(NTNV)(Subtest:4, Channel:20175, Bandwidth:1.4, Modulation:Q16, RB Number: 6, RB Position:LOW)



5.5. LTE Occupied Bandwidth(NTNV)(Subtest:5, Channel:20393, Bandwidth:1.4, Modulation:QPSK, RB Number: 6, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1754.3	99	26	0.027	Peak	1.086	1.234	1.4	Pass

Agilent

Ch Freq 1.7543 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 30 dB #Atten 30 dB

#Peak

Log

10

dB/Offst

10.3

dB

Center 1.754 300 GHz Span 2.8 MHz

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

Freq/Channel

Center Freq
1.75430000 GHz

Start Freq
1.75290000 GHz

Stop Freq
1.75570000 GHz

CF Step
280.000000 kHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

1.0860 MHz

x dB -26.00 dB

Transmit Freq Error -461.514 Hz

x dB Bandwidth 1.234 MHz

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5.6. LTE Occupied Bandwidth(NTNV)(Subtest:6, Channel:20393, Bandwidth:1.4, Modulation:Q16, RB Number: 6, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1754.3	99	26	0.027	Peak	1.082	1.221	1.4	Pass

Agilent

Ch Freq 1.7543 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 30 dBm #Atten 30 dB

Center 1.754 300 GHz Span 2.8 MHz

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

Freq/Channel

Center Freq
1.75430000 GHz

Start Freq
1.75290000 GHz

Stop Freq
1.75570000 GHz

CF Step
280.000000 kHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

1.0821 MHz

x dB -26.00 dB

Transmit Freq Error -310.784 Hz

x dB Bandwidth 1.221 MHz

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5.7. LTE Occupied Bandwidth(NTNV)(Subtest:7, Channel:19965, Bandwidth:3, Modulation:QPSK, RB Number: 15, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1711.5	99	26	0.062	Peak	2.705	3.012	3	Pass

Agilent

Ch Freq 1.7115 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 30 dBm #Atten 30 dB

Center 1.711 500 GHz Span 6 MHz

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

Freq/Channel

Center Freq
1.71150000 GHz

Start Freq
1.70850000 GHz

Stop Freq
1.71450000 GHz

CF Step
600.000000 kHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

2.7054 MHz

x dB -26.00 dB

Transmit Freq Error 3.404 kHz

x dB Bandwidth 3.012 MHz

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5.8. LTE Occupied Bandwidth(NTNV)(Subtest:8, Channel:19965, Bandwidth:3, Modulation:Q16, RB Number: 15, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1711.5	99	26	0.062	Peak	2.698	3.008	3	Pass

Agilent

Ch Freq 1.7115 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 30 dBm #Atten 30 dB

Center 1.711 500 GHz Span 6 MHz

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

Freq/Channel

Center Freq
1.71150000 GHz

Start Freq
1.70850000 GHz

Stop Freq
1.71450000 GHz

CF Step
600.000000 kHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

2.6975 MHz

x dB -26.00 dB

Transmit Freq Error 1.933 kHz

x dB Bandwidth 3.008 MHz

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5.9. LTE Occupied Bandwidth(NTNV)(Subtest:9, Channel:20175, Bandwidth:3, Modulation:QPSK, RB Number: 15, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1732.5	99	26	0.062	Peak	2.704	3.01	3	Pass

Agilent

Ch Freq 1.7325 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.3 dB

Center 1.732 500 GHz Span 6 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

2.7035 MHz

x dB -26.00 dB

Transmit Freq Error 1.504 kHz

x dB Bandwidth 3.010 MHz

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Freq/Channel

Center Freq
1.73250000 GHz

Start Freq
1.72950000 GHz

Stop Freq
1.73550000 GHz

CF Step
600.000000 kHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

5.10. LTE Occupied Bandwidth(NTNV)(Subtest:10, Channel:20175, Bandwidth:3, Modulation:Q16, RB Number: 15, RB Position:LOW)



5.11. LTE Occupied Bandwidth(NTNV)(Subtest:11, Channel:20385, Bandwidth:3, Modulation:QPSK, RB Number: 15, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1753.5	99	26	0.062	Peak	2.696	2.991	3	Pass

Agilent

Ch Freq 1.7535 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 30 dBm #Atten 30 dB

Center 1.753 500 GHz Span 6 MHz

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

Freq/Channel

Center Freq
1.75350000 GHz

Start Freq
1.75050000 GHz

Stop Freq
1.75650000 GHz

CF Step
600.000000 kHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

2.6955 MHz x dB -26.00 dB

Transmit Freq Error -343.293 Hz

x dB Bandwidth 2.991 MHz

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5.12. LTE Occupied Bandwidth(NTNV)(Subtest:12, Channel:20385, Bandwidth:3, Modulation:Q16, RB Number: 15, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1753.5	99	26	0.062	Peak	2.7	3.011	3	Pass

Agilent

Ch Freq 1.7535 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 30 dBm #Atten 30 dB

Center 1.753 500 GHz Span 6 MHz

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

Freq/Channel

Center Freq
1.75350000 GHz

Start Freq
1.75050000 GHz

Stop Freq
1.75650000 GHz

CF Step
600.000000 kHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

2.7000 MHz

x dB -26.00 dB

Transmit Freq Error 3.080 kHz

x dB Bandwidth 3.011 MHz

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5.13. LTE Occupied Bandwidth(NTNV)(Subtest:13, Channel:19975, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1712.5	99	26	0.1	Peak	4.499	4.951	5	Pass

Agilent

Ch Freq 1.7125 GHz Ext Ref
 Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.3 dB

Center 1.712 500 GHz Span 10 MHz
 #Res BW 100 kHz #VBW 300 kHz #Sweep 1 s (500 pts)

Occupied Bandwidth Occ BW % Pwr 99.00 %
 4.4991 MHz x dB -26.00 dB

Transmit Freq Error 309.253 Hz
 x dB Bandwidth 4.951 MHz

Freq/Channel

Center Freq 1.71250000 GHz

Start Freq 1.70750000 GHz

Stop Freq 1.71750000 GHz

CF Step 1.00000000 MHz
 Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

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5.14. LTE Occupied Bandwidth(NTNV)(Subtest:14, Channel:19975, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1712.5	99	26	0.1	Peak	4.504	4.982	5	Pass

Agilent

Ch Freq 1.7125 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 30 dBm #Atten 30 dB

Center 1.712 500 GHz Span 10 MHz

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

Freq/Channel

Center Freq
1.71250000 GHz

Start Freq
1.70750000 GHz

Stop Freq
1.71750000 GHz

CF Step
1.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

4.5043 MHz

x dB -26.00 dB

Transmit Freq Error 4.386 kHz

x dB Bandwidth 4.982 MHz

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5.15. LTE Occupied Bandwidth(NTNV)(Subtest:15, Channel:20175, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1732.5	99	26	0.1	Peak	4.509	5.001	5	Pass

Agilent

Ch Freq 1.7325 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 30 dBm #Atten 30 dB

Center 1.732 500 GHz Span 10 MHz

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

Freq/Channel

Center Freq
1.73250000 GHz

Start Freq
1.72750000 GHz

Stop Freq
1.73750000 GHz

CF Step
1.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

4.5089 MHz x dB -26.00 dB

Transmit Freq Error -4.097 kHz

x dB Bandwidth 5.001 MHz

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5.16. LTE Occupied Bandwidth(NTNV)(Subtest:16, Channel:20175, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)



5.17. LTE Occupied Bandwidth(NTNV)(Subtest:17, Channel:20375, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)



5.18. LTE Occupied Bandwidth(NTNV)(Subtest:18, Channel:20375, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1752.5	99	26	0.1	Peak	4.511	4.962	5	Pass

Agilent

Ch Freq 1.7525 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Center 1.752 500 GHz Span 10 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

4.5109 MHz x dB -26.00 dB

Transmit Freq Error -220.172 Hz

x dB Bandwidth 4.962 MHz

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Freq/Channel

Center Freq
1.75250000 GHz

Start Freq
1.74750000 GHz

Stop Freq
1.75750000 GHz

CF Step
1.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

5.19. LTE Occupied Bandwidth(NTNV)(Subtest:19, Channel:20000, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1715	99	26	0.2	Peak	8.96	9.837	10	Pass

Agilent

Ch Freq 1.715 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.3 dB

Center 1.715 00 GHz Span 20 MHz

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

Freq/Channel

Center Freq
1.71500000 GHz

Start Freq
1.70500000 GHz

Stop Freq
1.72500000 GHz

CF Step
2.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

8.9604 MHz x dB -26.00 dB

Transmit Freq Error -10.921 kHz

x dB Bandwidth 9.837 MHz

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5.20. LTE Occupied Bandwidth(NTNV)(Subtest:20, Channel:20000, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1715	99	26	0.2	Peak	8.951	9.815	10	Pass

Agilent

Ch Freq 1.715 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 30 dBm #Atten 30 dB

Center 1.715 00 GHz Span 20 MHz

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

Freq/Channel

Center Freq
1.71500000 GHz

Start Freq
1.70500000 GHz

Stop Freq
1.72500000 GHz

CF Step
2.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

8.9513 MHz x dB -26.00 dB

Transmit Freq Error -13.163 kHz

x dB Bandwidth 9.815 MHz

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5.21. LTE Occupied Bandwidth(NTNV)(Subtest:21, Channel:20175, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1732.5	99	26	0.2	Peak	8.982	9.862	10	Pass

Agilent

Ch Freq 1.7325 GHz Ext Ref
 Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak
 Log
 10
 dB/
 Offst
 10.3
 dB

Center 1.732 50 GHz Span 20 MHz
 #Res BW 200 kHz #VBW 620 kHz #Sweep 1 s (500 pts)

Occupied Bandwidth Occ BW % Pwr 99.00 %
 8.9818 MHz x dB -26.00 dB

Transmit Freq Error -8.988 kHz
 x dB Bandwidth 9.862 MHz

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Freq/Channel

Center Freq 1.73250000 GHz

Start Freq 1.72250000 GHz

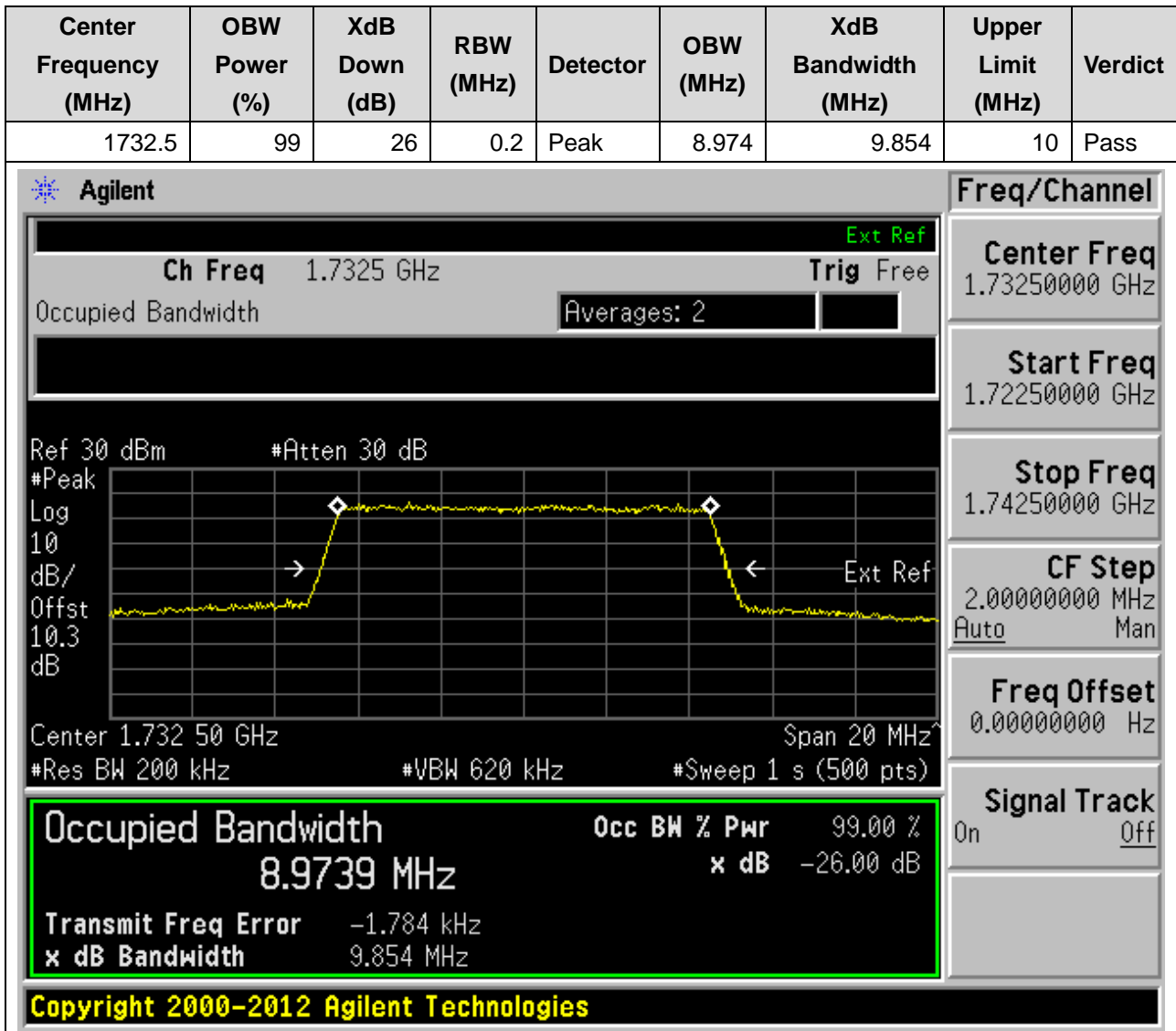
Stop Freq 1.74250000 GHz

CF Step 2.00000000 MHz
 Auto Man

Freq Offset 0.00000000 Hz

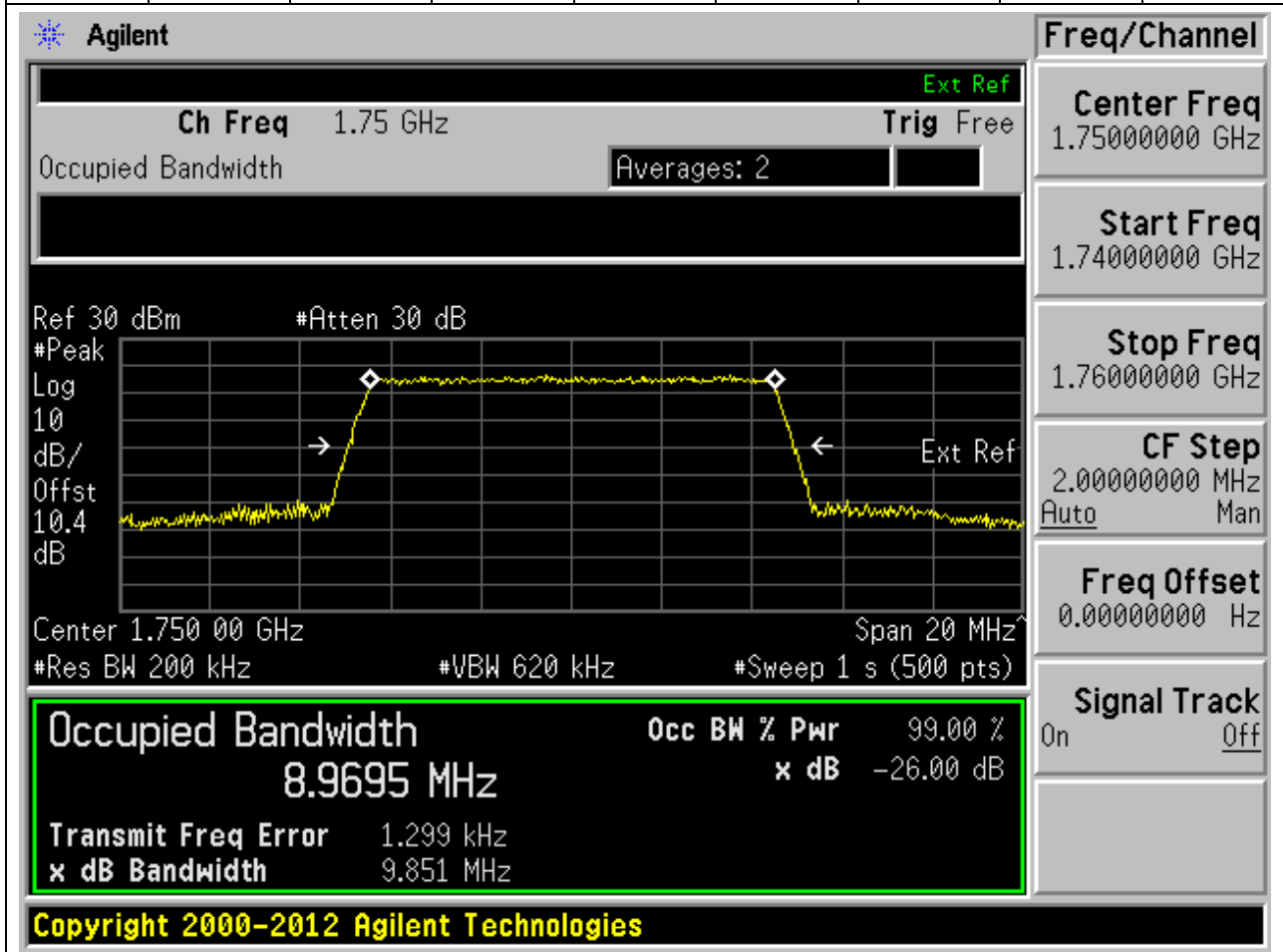
Signal Track On Off

5.22. LTE Occupied Bandwidth(NTNV)(Subtest:22, Channel:20175, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)



5.23. LTE Occupied Bandwidth(NTNV)(Subtest:23, Channel:20350, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1750	99	26	0.2	Peak	8.969	9.851	10	Pass



5.24. LTE Occupied Bandwidth(NTNV)(Subtest:24, Channel:20350, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1750	99	26	0.2	Peak	8.946	9.77	10	Pass

Agilent

Ch Freq 1.75 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 30 dB #Atten 30 dB

Center 1.750 00 GHz Span 20 MHz

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

Freq/Channel

Center Freq
1.75000000 GHz

Start Freq
1.74000000 GHz

Stop Freq
1.76000000 GHz

CF Step
2.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

8.9457 MHz x dB -26.00 dB

Transmit Freq Error 2.882 kHz

x dB Bandwidth 9.770 MHz

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5.25. LTE Occupied Bandwidth(NTNV)(Subtest:25, Channel:20025, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1717.5	99	26	0.3	Peak	13.409	14.682	15	Pass

Agilent

Ch Freq 1.7175 GHz Ext Ref Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log dB/ Offst Ext Ref

10 10.3 dB

Center 1.717 50 GHz Span 30 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

13.4093 MHz x dB -26.00 dB

Transmit Freq Error -26.540 kHz

x dB Bandwidth 14.682 MHz

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Freq/Channel

Center Freq 1.71750000 GHz

Start Freq 1.70250000 GHz

Stop Freq 1.73250000 GHz

CF Step 3.00000000 MHz Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

5.26. LTE Occupied Bandwidth(NTNV)(Subtest:26, Channel:20025, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1717.5	99	26	0.3	Peak	13.409	14.63	15	Pass

Agilent

Ch Freq 1.7175 GHz Ext Ref
 Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak
 Log
 10
 dB/
 Offst
 10.3
 dB

Center 1.717 50 GHz Span 30 MHz
 #Res BW 300 kHz #VBW 1 MHz #Sweep 1 s (500 pts)

Occupied Bandwidth Occ BW % Pwr 99.00 %
 13.4093 MHz x dB -26.00 dB

Transmit Freq Error -23.632 kHz
 x dB Bandwidth 14.630 MHz

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Freq/Channel
 Center Freq 1.71750000 GHz
 Start Freq 1.70250000 GHz
 Stop Freq 1.73250000 GHz
 CF Step 3.00000000 MHz
 Auto Man
 Freq Offset 0.00000000 Hz
 Signal Track On Off

5.27. LTE Occupied Bandwidth(NTNV)(Subtest:27, Channel:20175, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1732.5	99	26	0.3	Peak	13.467	14.825	15	Pass

Agilent

Ch Freq 1.7325 GHz Trig Free Ext Ref

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log dB/ Offst Ext Ref

10 10.3 dB

Center 1.732 50 GHz Span 30 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

13.4666 MHz x dB -26.00 dB

Transmit Freq Error -8.262 kHz

x dB Bandwidth 14.825 MHz

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Freq/Channel

Center Freq 1.73250000 GHz

Start Freq 1.71750000 GHz

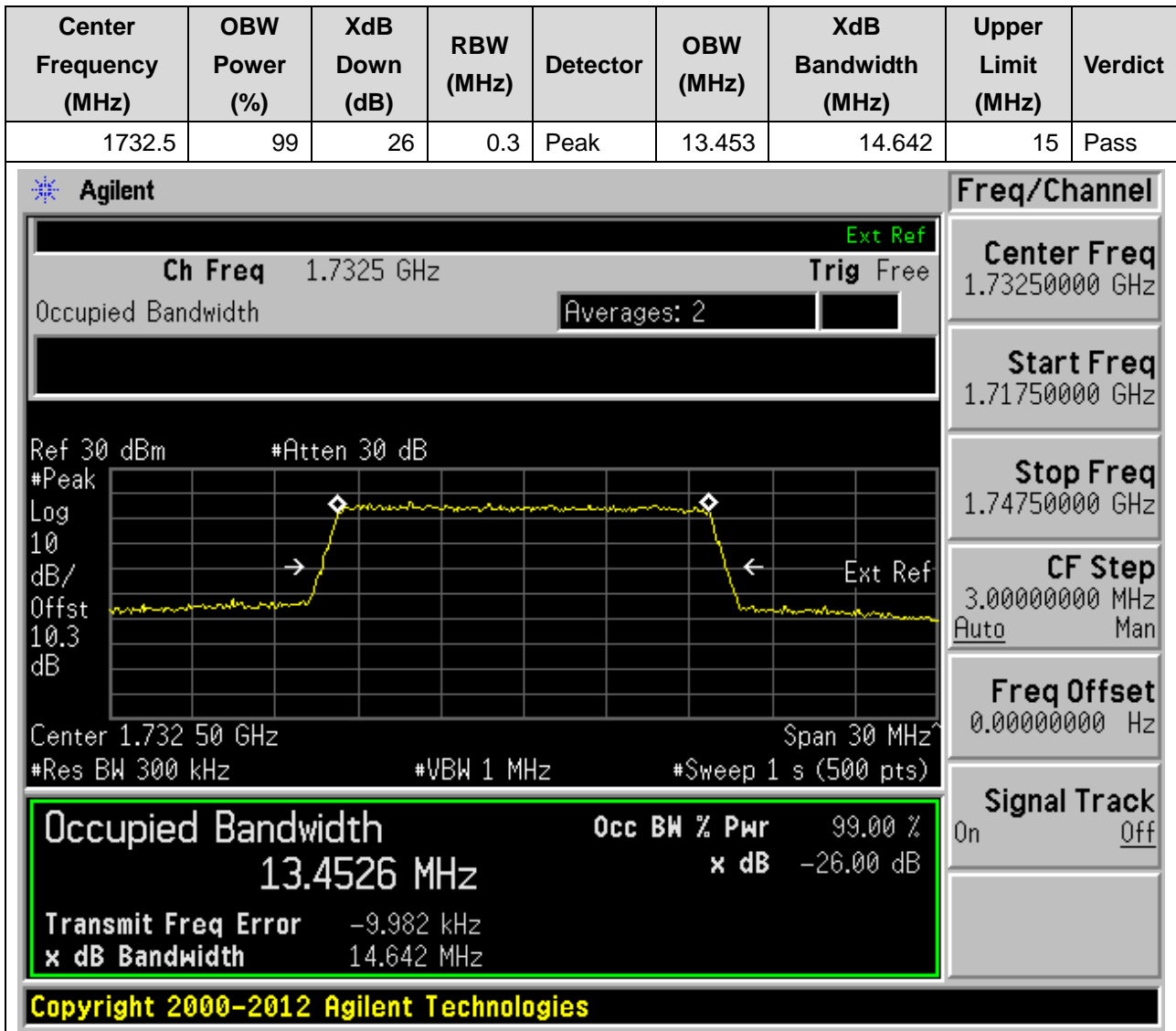
Stop Freq 1.74750000 GHz

CF Step 3.00000000 MHz
Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

5.28. LTE Occupied Bandwidth(NTNV)(Subtest:28, Channel:20175, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)



5.29. LTE Occupied Bandwidth(NTNV)(Subtest:29, Channel:20325, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1747.5	99	26	0.3	Peak	13.394	14.622	15	Pass

Agilent

Ch Freq 1.7475 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 30 dB #Peak Log 10 dB/Offst 10.4 dB

Center 1.747 50 GHz Span 30 MHz #Res BW 300 kHz #VBW 1 MHz #Sweep 1 s (500 pts)

Freq/Channel

Center Freq
1.74750000 GHz

Start Freq
1.73250000 GHz

Stop Freq
1.76250000 GHz

CF Step
3.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

13.3938 MHz

x dB -26.00 dB

Transmit Freq Error 15.922 kHz

x dB Bandwidth 14.622 MHz

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5.30. LTE Occupied Bandwidth(NTNV)(Subtest:30, Channel:20325, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1747.5	99	26	0.3	Peak	13.42	14.675	15	Pass

Agilent

Ch Freq 1.7475 GHz Ext Ref Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log dB/ Offst Ext Ref

10 10.4 dB

Center 1.747 50 GHz Span 30 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

13.4204 MHz x dB -26.00 dB

Transmit Freq Error 28.431 kHz

x dB Bandwidth 14.675 MHz

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Freq/Channel

Center Freq 1.74750000 GHz

Start Freq 1.73250000 GHz

Stop Freq 1.76250000 GHz

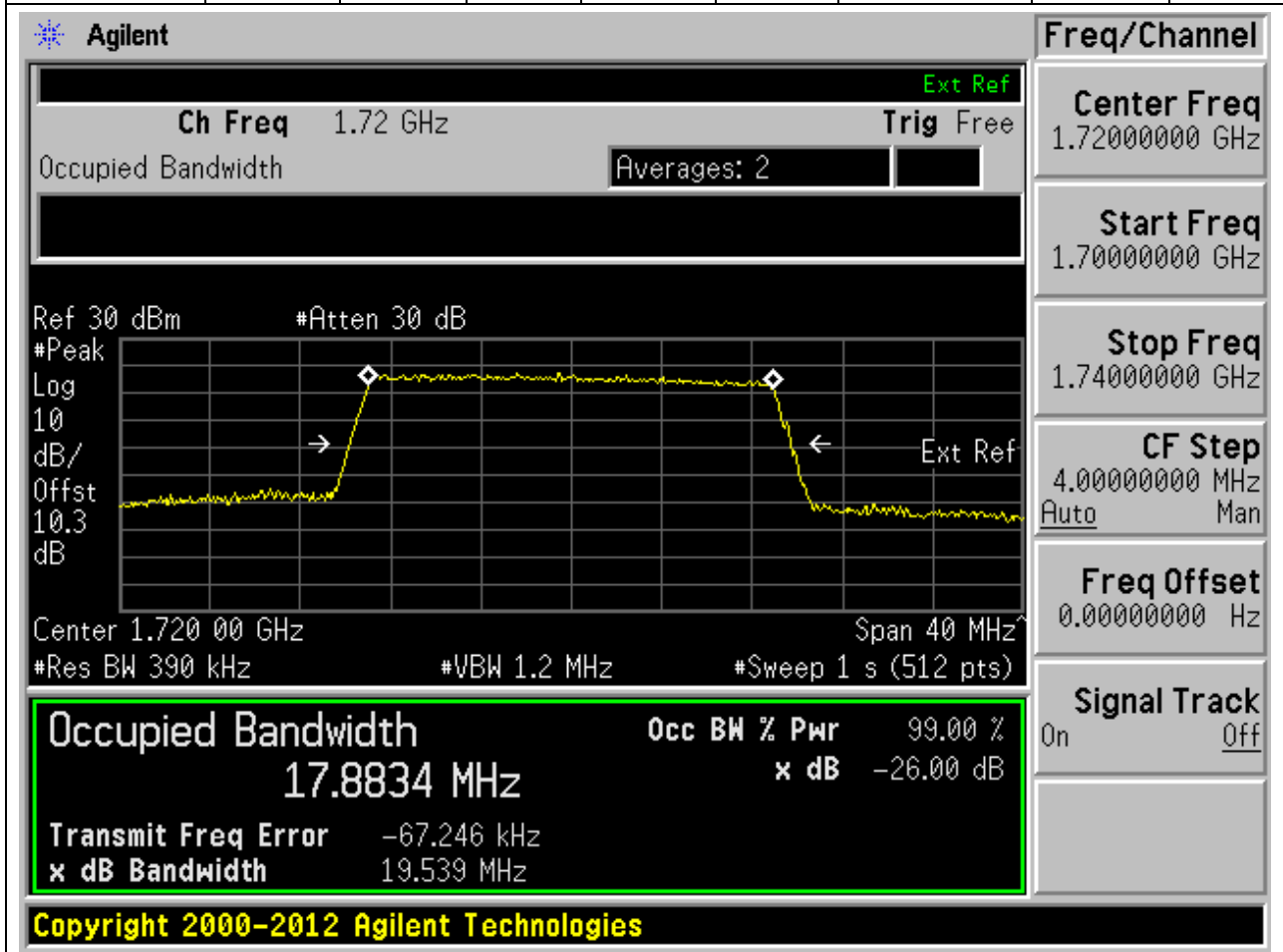
CF Step 3.00000000 MHz
Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

5.31. LTE Occupied Bandwidth(NTNV)(Subtest:31, Channel:20050, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1720	99	26	0.39	Peak	17.883	19.539	20	Pass



5.32. LTE Occupied Bandwidth(NTNV)(Subtest:32, Channel:20050, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1720	99	26	0.39	Peak	17.854	19.484	20	Pass

Agilent

Ch Freq 1.72 GHz Ext Ref Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log dB/ Offst Ext Ref

10.3 dB

Center 1.720 00 GHz Span 40 MHz

#Res BW 390 kHz #VBW 1.2 MHz #Sweep 1 s (512 pts)

Occupied Bandwidth Occ BW % Pwr 99.00 %

17.8539 MHz x dB -26.00 dB

Transmit Freq Error -28.375 kHz

x dB Bandwidth 19.484 MHz

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Freq/Channel

Center Freq 1.72000000 GHz

Start Freq 1.70000000 GHz

Stop Freq 1.74000000 GHz

CF Step 4.00000000 MHz

Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

5.33. LTE Occupied Bandwidth(NTNV)(Subtest:33, Channel:20175, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)

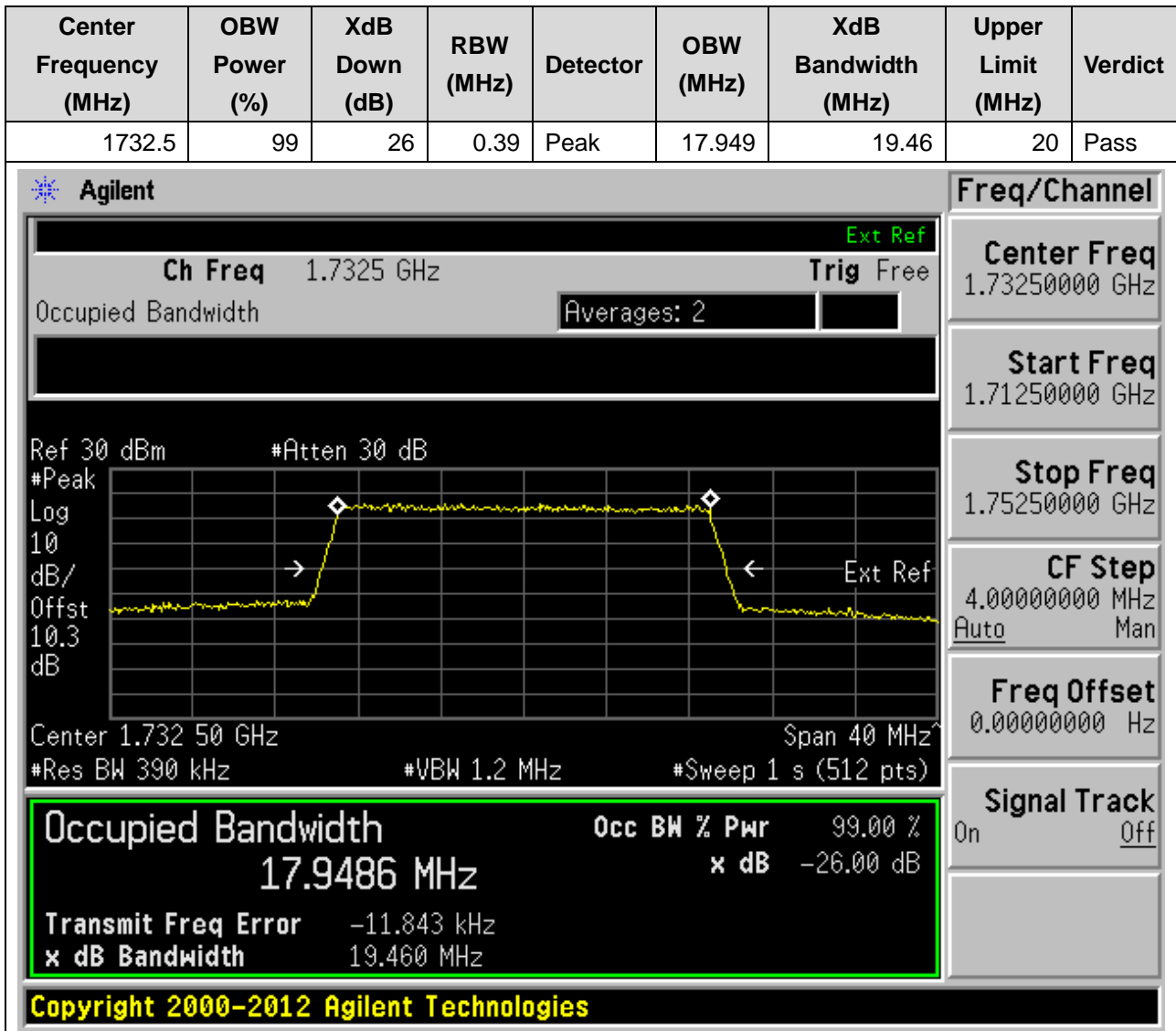
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1732.5	99	26	0.39	Peak	17.926	19.435	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 1.7325 GHz, and the span is 40 MHz. The occupied bandwidth is measured as 17.9263 MHz, which is 99.00% of the power. The XdB bandwidth is 19.435 MHz, and the XdB down is -26.00 dB. The transmit frequency error is -8.861 kHz. The interface also shows various settings such as Res BW (390 kHz), VBW (1.2 MHz), and Sweep (1 s). A table on the right side of the screen provides additional parameters like Start Freq (1.7125 GHz), Stop Freq (1.7525 GHz), and CF Step (4.0 MHz).

Occupied Bandwidth		Occ BW % Pwr	99.00 %
17.9263 MHz		x dB	-26.00 dB
Transmit Freq Error		-8.861 kHz	
x dB Bandwidth		19.435 MHz	

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5.34. LTE Occupied Bandwidth(NTNV)(Subtest:34, Channel:20175, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)



5.35. LTE Occupied Bandwidth(NTNV)(Subtest:35, Channel:20300, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.39	Peak	17.897	19.4	20	Pass

Agilent

Ch Freq 1.745 GHz Ext Ref Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log dB/ Offst 10.4 dB

Center 1.745 00 GHz Span 40 MHz

#Res BW 390 kHz #VBW 1.2 MHz #Sweep 1 s (512 pts)

Occupied Bandwidth Occ BW % Pwr 99.00 %

17.8972 MHz x dB -26.00 dB

Transmit Freq Error 46.273 kHz

x dB Bandwidth 19.400 MHz

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Freq/Channel

Center Freq 1.74500000 GHz

Start Freq 1.72500000 GHz

Stop Freq 1.76500000 GHz

CF Step 4.00000000 MHz
Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

5.36. LTE Occupied Bandwidth(NTNV)(Subtest:36, Channel:20300, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.39	Peak	17.893	19.533	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 1.745 GHz. The occupied bandwidth is 17.8928 MHz, which is 99.00% of the power. The XdB down is -26.00 dB. The transmit frequency error is 18.585 kHz, and the XdB bandwidth is 19.533 MHz. The interface also shows various settings like Res BW (390 kHz), VBW (1.2 MHz), and Sweep (1 s). A table on the right side of the screen provides additional parameters like Freq/Channel, Center Freq, Start Freq, Stop Freq, CF Step, Freq Offset, and Signal Track.

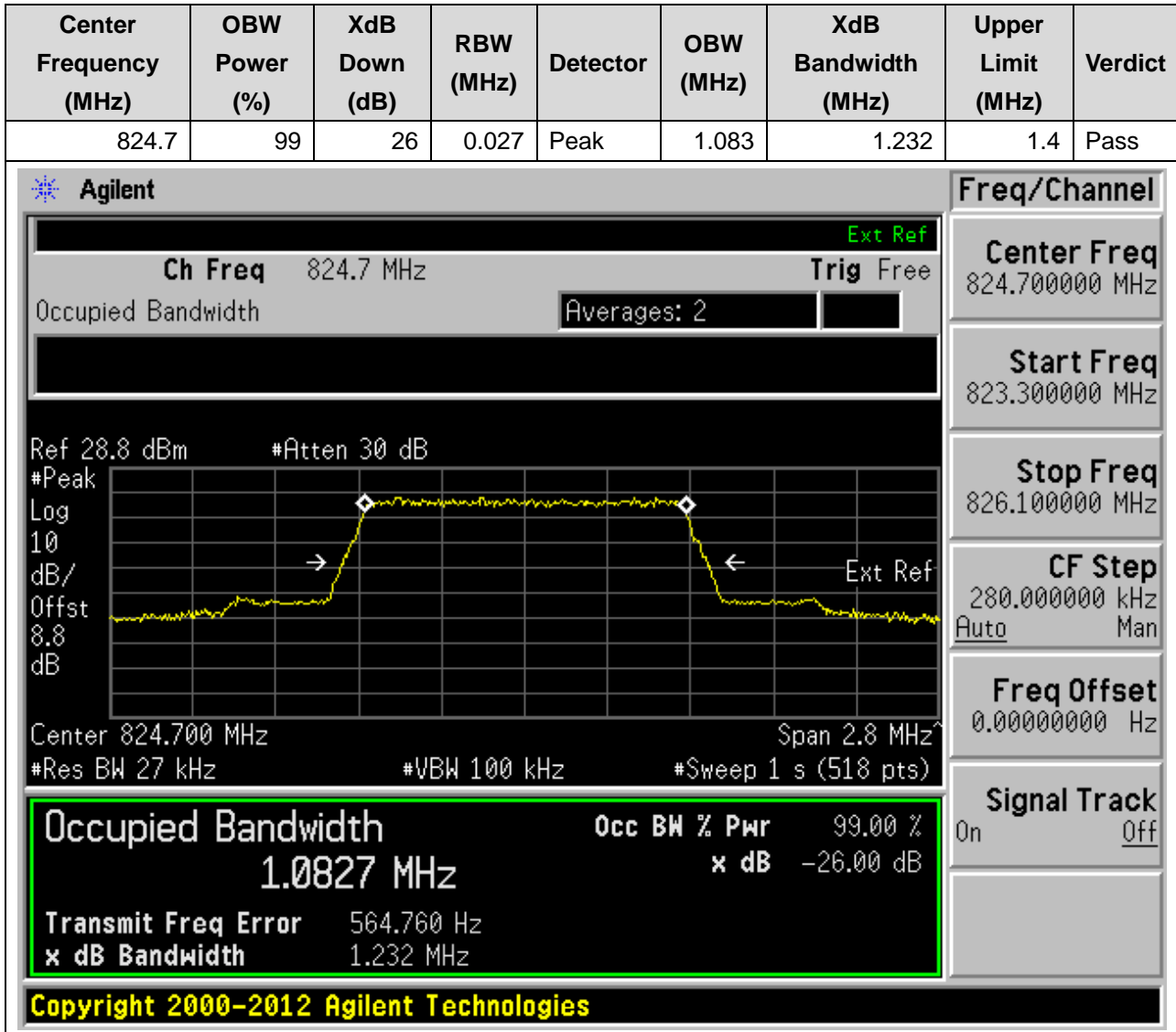
Occupied Bandwidth		Occ BW % Pwr
17.8928 MHz	99.00 %	
Transmit Freq Error		18.585 kHz
x dB Bandwidth		19.533 MHz

Freq/Channel	
Center Freq	1.74500000 GHz
Start Freq	1.72500000 GHz
Stop Freq	1.76500000 GHz
CF Step	4.00000000 MHz
Freq Offset	0.00000000 Hz
Signal Track	On

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6. LTE_Band5

6.1. LTE Occupied Bandwidth(NTNV)(Subtest:1, Channel:20407, Bandwidth:1.4, Modulation:QPSK, RB Number: 6, RB Position:LOW)



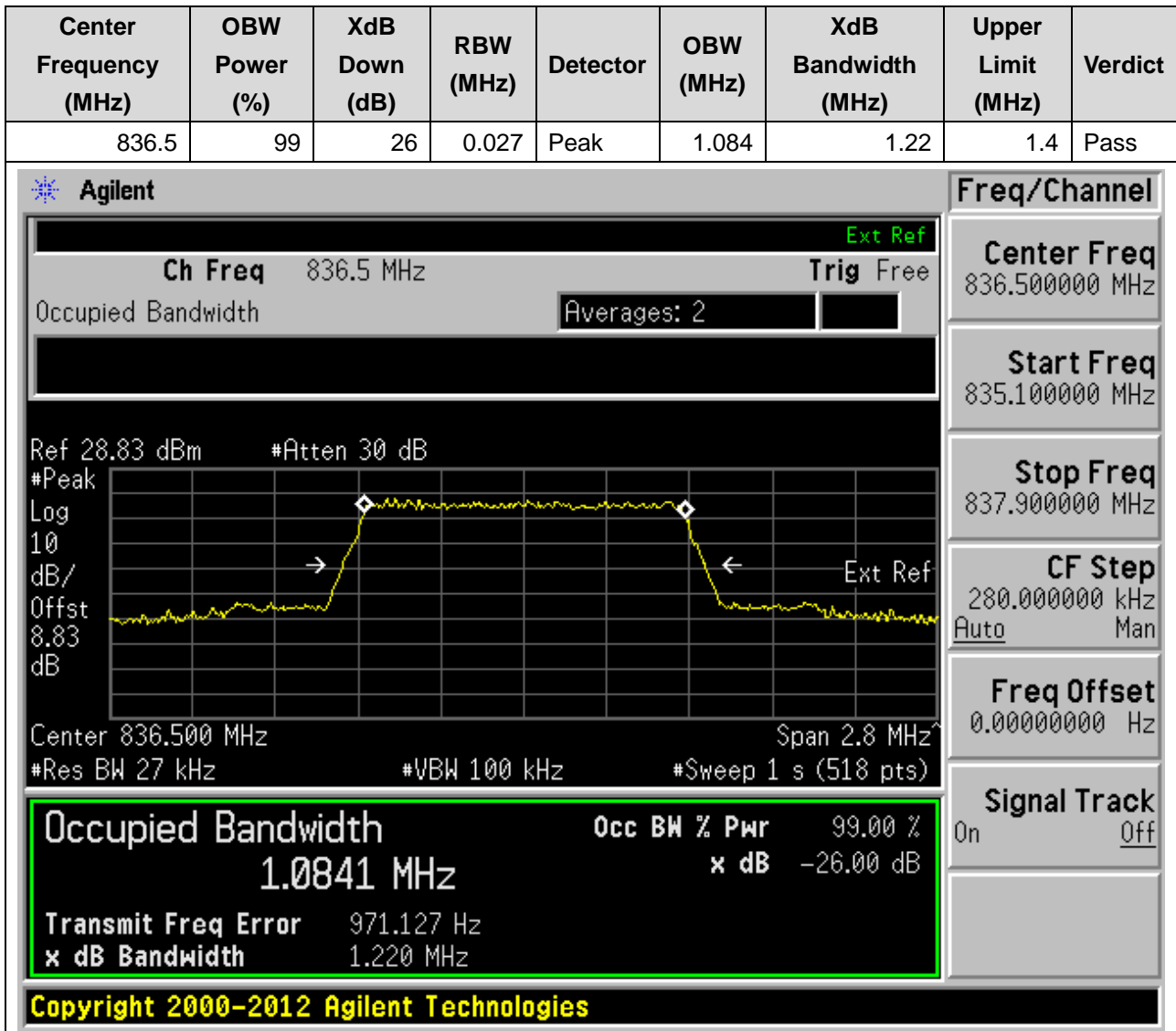
6.2. LTE Occupied Bandwidth(NTNV)(Subtest:2, Channel:20407, Bandwidth:1.4, Modulation:Q16, RB Number: 6, RB Position:LOW)



6.3. LTE Occupied Bandwidth(NTNV)(Subtest:3, Channel:20525, Bandwidth:1.4, Modulation:QPSK, RB Number: 6, RB Position:LOW)



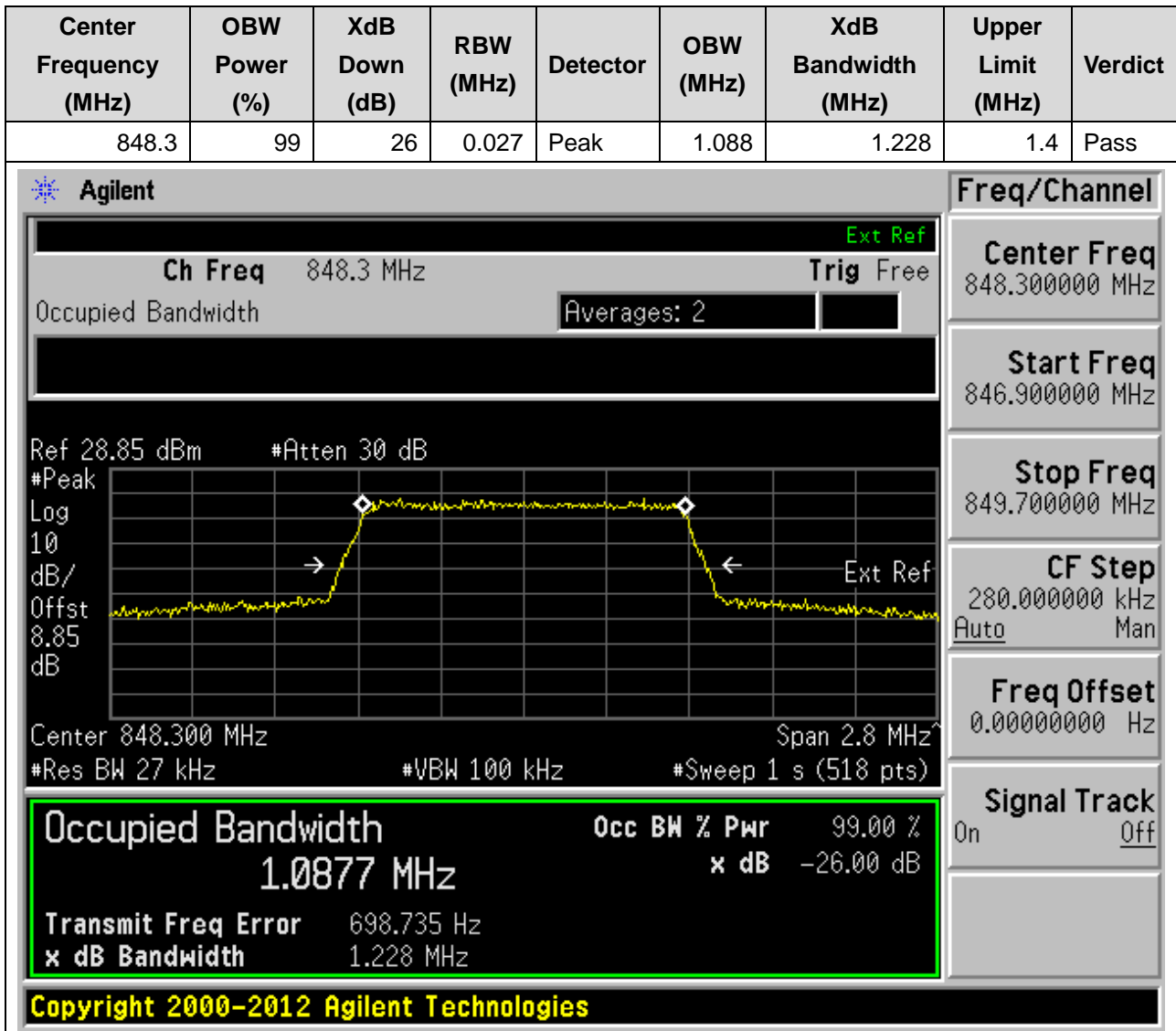
6.4. LTE Occupied Bandwidth(NTNV)(Subtest:4, Channel:20525, Bandwidth:1.4, Modulation:Q16, RB Number: 6, RB Position:LOW)



6.5. LTE Occupied Bandwidth(NTNV)(Subtest:5, Channel:20643, Bandwidth:1.4, Modulation:QPSK, RB Number: 6, RB Position:LOW)

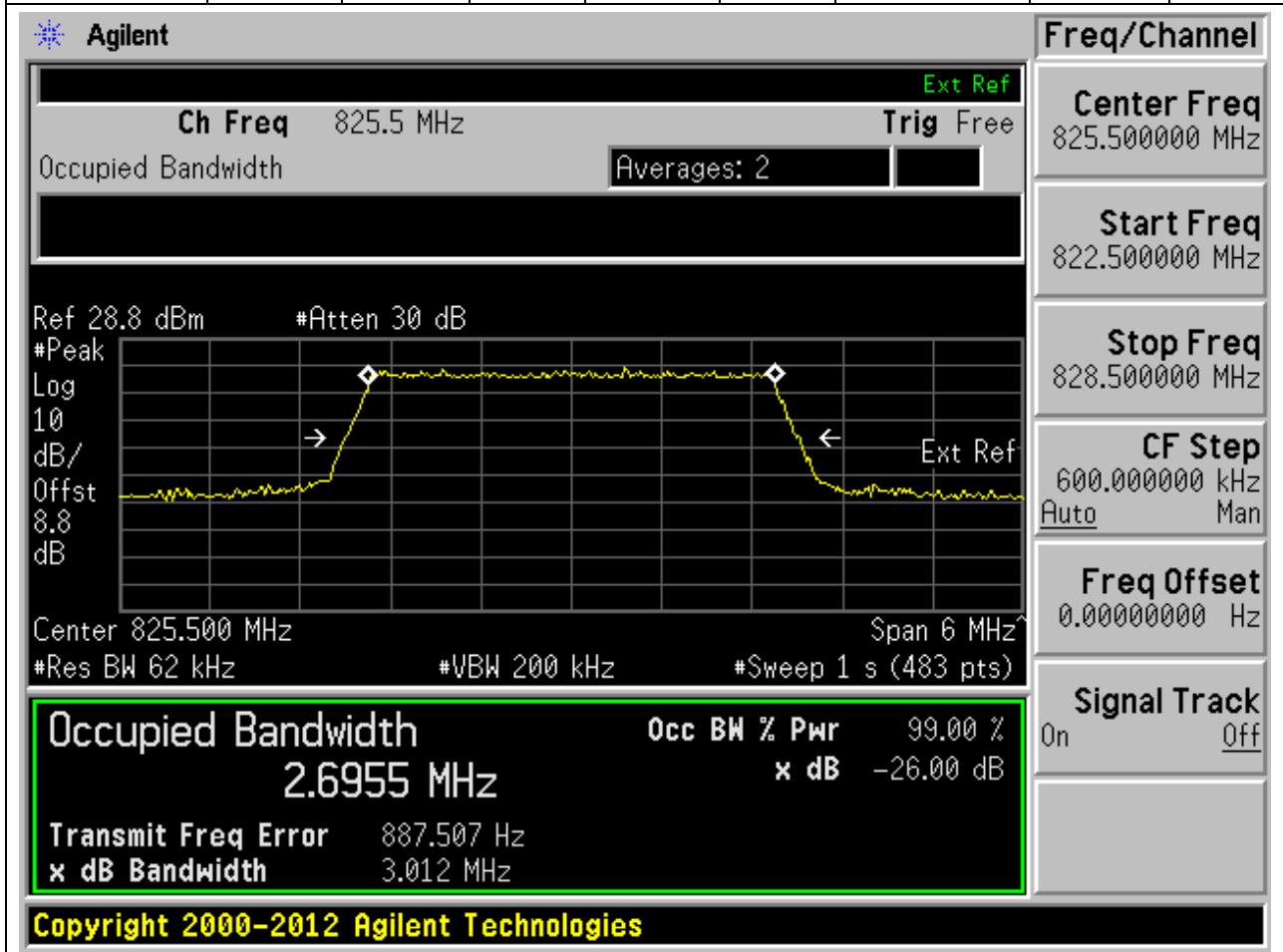


6.6. LTE Occupied Bandwidth(NTNV)(Subtest:6, Channel:20643, Bandwidth:1.4, Modulation:Q16, RB Number: 6, RB Position:LOW)



6.7. LTE Occupied Bandwidth(NTNV)(Subtest:7, Channel:20415, Bandwidth:3, Modulation:QPSK, RB Number: 15, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
825.5	99	26	0.062	Peak	2.696	3.012	3	Pass



6.8. LTE Occupied Bandwidth(NTNV)(Subtest:8, Channel:20415, Bandwidth:3, Modulation:Q16, RB Number: 15, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
825.5	99	26	0.062	Peak	2.699	3.003	3	Pass

Agilent

Ch Freq 825.5 MHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 28.8 dBm #Atten 30 dB

Center 825.500 MHz Span 6 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

2.6989 MHz x dB -26.00 dB

Transmit Freq Error 1.779 kHz

x dB Bandwidth 3.003 MHz

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Freq/Channel

Center Freq
825.500000 MHz

Start Freq
822.500000 MHz

Stop Freq
828.500000 MHz

CF Step
600.000000 kHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

6.9. LTE Occupied Bandwidth(NTNV)(Subtest:9, Channel:20525, Bandwidth:3, Modulation:QPSK, RB Number: 15, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.062	Peak	2.704	2.997	3	Pass

Agilent

Ch Freq 836.5 MHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 28.83 dBm #Atten 30 dB
#Peak
Log 10
dB/Offst 8.83 dB
Center 836.500 MHz Span 6 MHz
#Res BW 62 kHz #VBW 200 kHz #Sweep 1 s (483 pts)

Freq/Channel

Center Freq
836.500000 MHz

Start Freq
833.500000 MHz

Stop Freq
839.500000 MHz

CF Step
600.000000 kHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

2.7040 MHz

x dB -26.00 dB

Transmit Freq Error -175.492 Hz

x dB Bandwidth 2.997 MHz

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6.10. LTE Occupied Bandwidth(NTNV)(Subtest:10, Channel:20525, Bandwidth:3, Modulation:Q16, RB Number: 15, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.062	Peak	2.698	3.019	3	Pass

Agilent

Ch Freq 836.5 MHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Occupied Bandwidth

2.6975 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error 1.366 kHz

x dB Bandwidth 3.019 MHz

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Freq/Channel

Center Freq
836.500000 MHz

Start Freq
833.500000 MHz

Stop Freq
839.500000 MHz

CF Step
600.000000 kHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

6.11. LTE Occupied Bandwidth(NTNV)(Subtest:11, Channel:20635, Bandwidth:3, Modulation:QPSK, RB Number: 15, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
847.5	99	26	0.062	Peak	2.708	3.007	3	Pass

Agilent

Ch Freq 847.5 MHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 28.85 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.85 dB

Center 847.500 MHz Span 6 MHz

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

Freq/Channel

Center Freq 847.500000 MHz

Start Freq 844.500000 MHz

Stop Freq 850.500000 MHz

CF Step 600.000000 kHz
Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

2.7078 MHz

x dB -26.00 dB

Transmit Freq Error -213.621 Hz

x dB Bandwidth 3.007 MHz

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6.12. LTE Occupied Bandwidth(NTNV)(Subtest:12, Channel:20635, Bandwidth:3, Modulation:Q16, RB Number: 15, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
847.5	99	26	0.062	Peak	2.695	3.017	3	Pass

Agilent

Ch Freq 847.5 MHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 28.85 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.85 dB

Center 847.500 MHz Span 6 MHz

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

Freq/Channel

Center Freq
847.500000 MHz

Start Freq
844.500000 MHz

Stop Freq
850.500000 MHz

CF Step
600.000000 kHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

2.6948 MHz x dB -26.00 dB

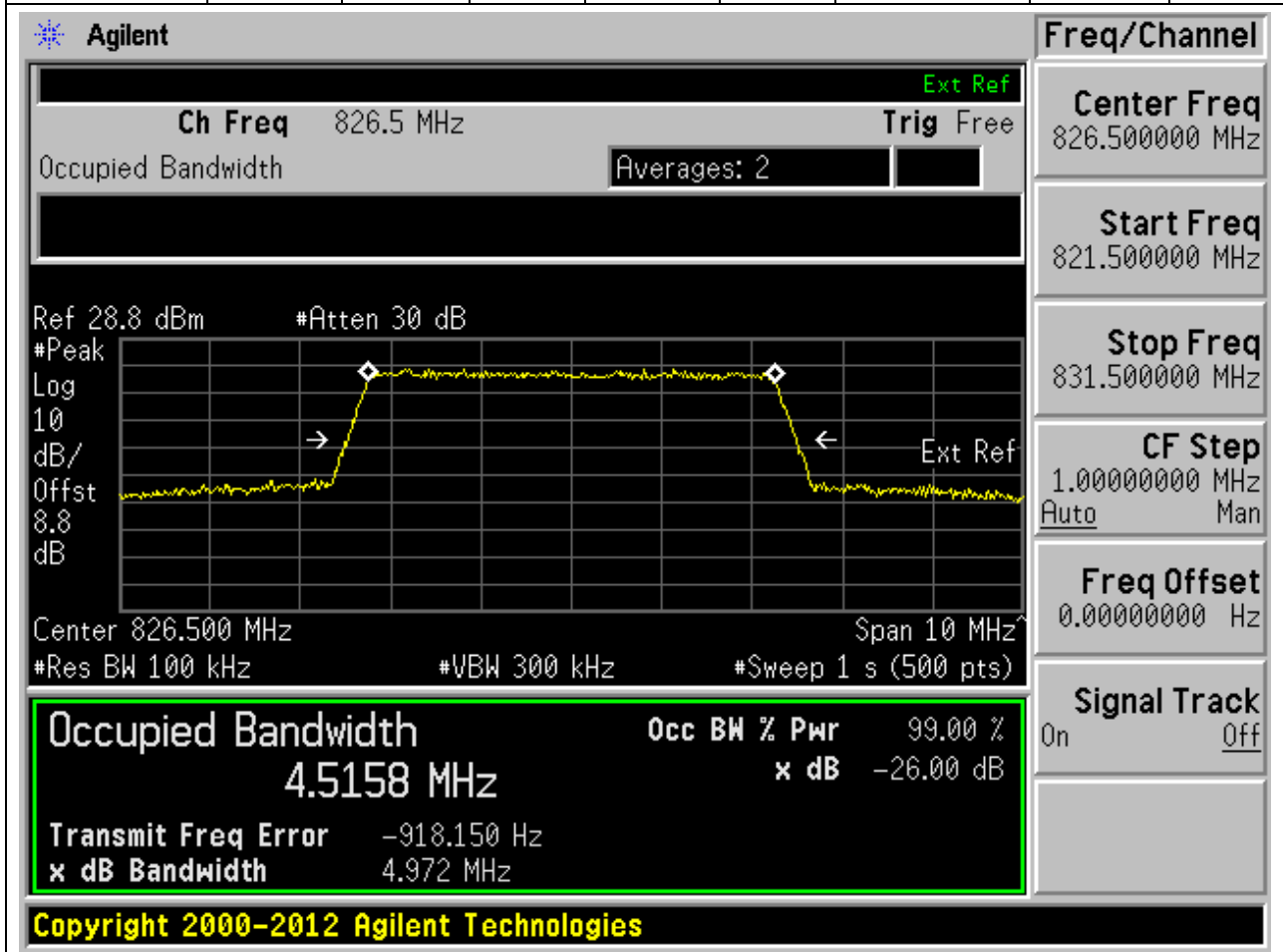
Transmit Freq Error -991.339 Hz

x dB Bandwidth 3.017 MHz

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6.13. LTE Occupied Bandwidth(NTNV)(Subtest:13, Channel:20425, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
826.5	99	26	0.1	Peak	4.516	4.972	5	Pass



6.14. LTE Occupied Bandwidth(NTNV)(Subtest:14, Channel:20425, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
826.5	99	26	0.1	Peak	4.5	4.934	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 826.5 MHz. The occupied bandwidth is 4.5002 MHz, and the power is 99.00%. The XdB down is -26.00 dB. The XdB bandwidth is 4.934 MHz. The transmit frequency error is -5.780 kHz. The interface also shows various settings like Res BW, VBW, Sweep, and Span.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.5002 MHz	x dB	-26.00 dB
Transmit Freq Error	-5.780 kHz	
x dB Bandwidth	4.934 MHz	

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6.15. LTE Occupied Bandwidth(NTNV)(Subtest:15, Channel:20525, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.1	Peak	4.5	4.97	5	Pass

Agilent

Ch Freq 836.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.83 dBm #Atten 30 dB

#Peak Ext Ref

Log

10

dB/

Offst

8.83

dB

Center 836.500 MHz Span 10 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

4.4999 MHz x dB -26.00 dB

Transmit Freq Error -4.016 kHz

x dB Bandwidth 4.970 MHz

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Freq/Channel

Center Freq 836.500000 MHz

Start Freq 831.500000 MHz

Stop Freq 841.500000 MHz

CF Step 1.00000000 MHz

Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

6.16. LTE Occupied Bandwidth(NTNV)(Subtest:16, Channel:20525, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.1	Peak	4.506	4.952	5	Pass

Agilent

Ch Freq 836.5 MHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 28.83 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.83 dB

Center 836.500 MHz Span 10 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

4.5055 MHz

x dB -26.00 dB

Transmit Freq Error -2.890 kHz

x dB Bandwidth 4.952 MHz

Freq/Channel

Center Freq
836.500000 MHz

Start Freq
831.500000 MHz

Stop Freq
841.500000 MHz

CF Step
1.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

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6.17. LTE Occupied Bandwidth(NTNV)(Subtest:17, Channel:20625, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
846.5	99	26	0.1	Peak	4.492	4.951	5	Pass

Agilent

Ch Freq 846.5 MHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 28.85 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.85 dB

Center 846.500 MHz Span 10 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

4.4916 MHz

x dB -26.00 dB

Transmit Freq Error -3.981 kHz

x dB Bandwidth 4.951 MHz

Freq/Channel

Center Freq
846.500000 MHz

Start Freq
841.500000 MHz

Stop Freq
851.500000 MHz

CF Step
1.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

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6.18. LTE Occupied Bandwidth(NTNV)(Subtest:18, Channel:20625, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
846.5	99	26	0.1	Peak	4.504	4.969	5	Pass

Agilent

Ch Freq 846.5 MHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 28.85 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.85 dB

Center 846.500 MHz Span 10 MHz

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

Freq/Channel

Center Freq
846.500000 MHz

Start Freq
841.500000 MHz

Stop Freq
851.500000 MHz

CF Step
1.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

4.5036 MHz x dB -26.00 dB

Transmit Freq Error -4.975 kHz

x dB Bandwidth 4.969 MHz

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6.19. LTE Occupied Bandwidth(NTNV)(Subtest:19, Channel:20450, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
829	99	26	0.2	Peak	8.985	9.86	10	Pass

Agilent

Ch Freq 829 MHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 28.81 dBm #Atten 30 dB

Center 829.00 MHz Span 20 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

8.9852 MHz x dB -26.00 dB

Transmit Freq Error -6.101 kHz

x dB Bandwidth 9.860 MHz

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Freq/Channel

Center Freq 829.000000 MHz

Start Freq 819.000000 MHz

Stop Freq 839.000000 MHz

CF Step 2.00000000 MHz

Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

6.20. LTE Occupied Bandwidth(NTNV)(Subtest:20, Channel:20450, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)



6.21. LTE Occupied Bandwidth(NTNV)(Subtest:21, Channel:20525, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.2	Peak	8.956	9.84	10	Pass

Agilent

Ch Freq 836.5 MHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 28.83 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.83 dB

Center 836.50 MHz Span 20 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

8.9565 MHz x dB -26.00 dB

Transmit Freq Error -4.957 kHz

x dB Bandwidth 9.840 MHz

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Freq/Channel

Center Freq
836.500000 MHz

Start Freq
826.500000 MHz

Stop Freq
846.500000 MHz

CF Step
2.00000000 MHz
Auto Man

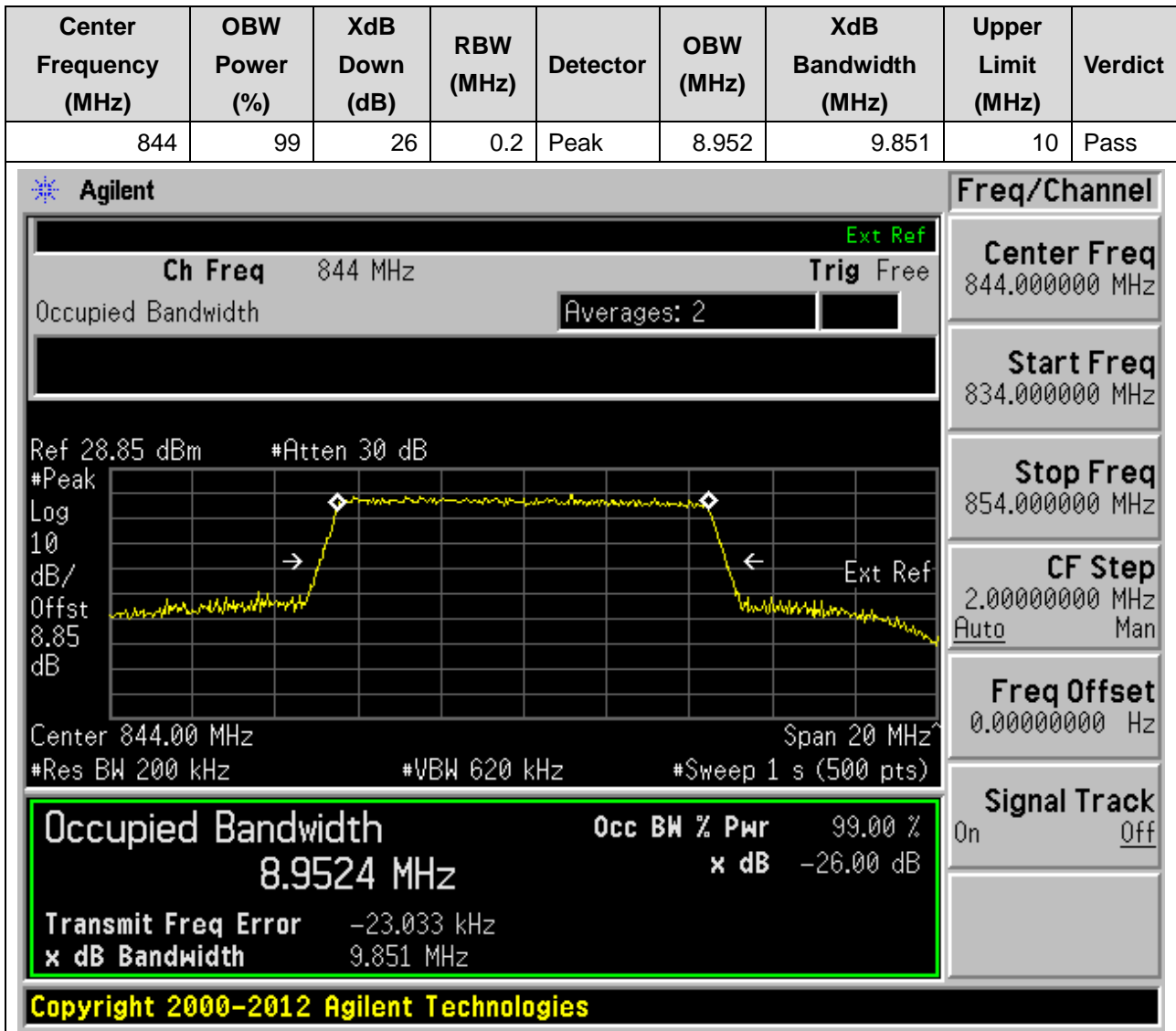
Freq Offset
0.00000000 Hz

Signal Track
On Off

6.22. LTE Occupied Bandwidth(NTNV)(Subtest:22, Channel:20525, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)



6.23. LTE Occupied Bandwidth(NTNV)(Subtest:23, Channel:20600, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)



6.24. LTE Occupied Bandwidth(NTNV)(Subtest:24, Channel:20600, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
844	99	26	0.2	Peak	8.962	9.824	10	Pass

Agilent

Ch Freq 844 MHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Occupied Bandwidth 8.9624 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -26.122 kHz

x dB Bandwidth 9.824 MHz

Freq/Channel

Center Freq 844.000000 MHz

Start Freq 834.000000 MHz

Stop Freq 854.000000 MHz

CF Step 2.00000000 MHz

Auto Man

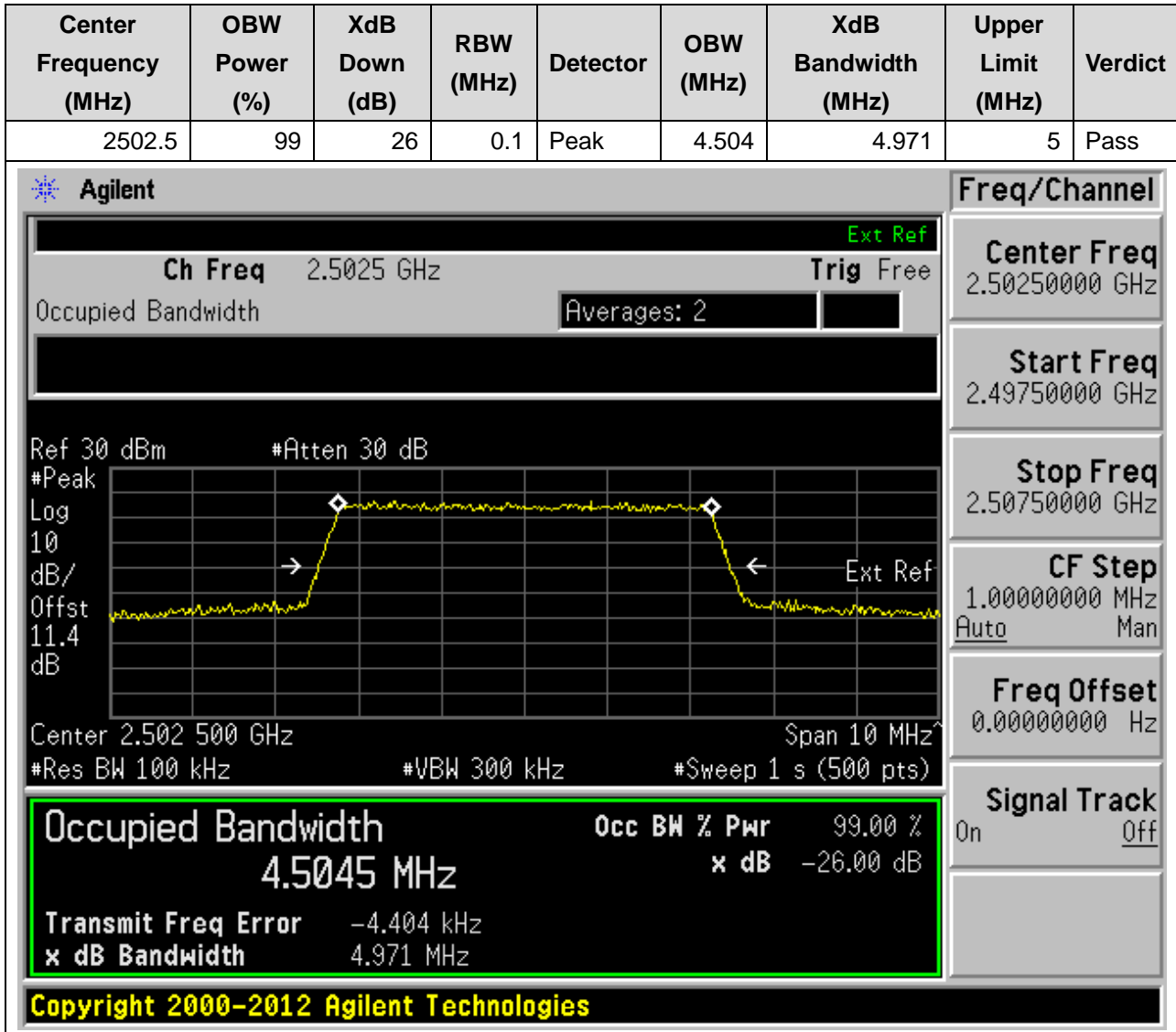
Freq Offset 0.00000000 Hz

Signal Track On Off

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7. LTE_Band7

7.1. LTE Occupied Bandwidth(NTNV)(Subtest:1, Channel:20775, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)



7.2. LTE Occupied Bandwidth(NTNV)(Subtest:2, Channel:20775, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)



7.3. LTE Occupied Bandwidth(NTNV)(Subtest:3, Channel:21100, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)



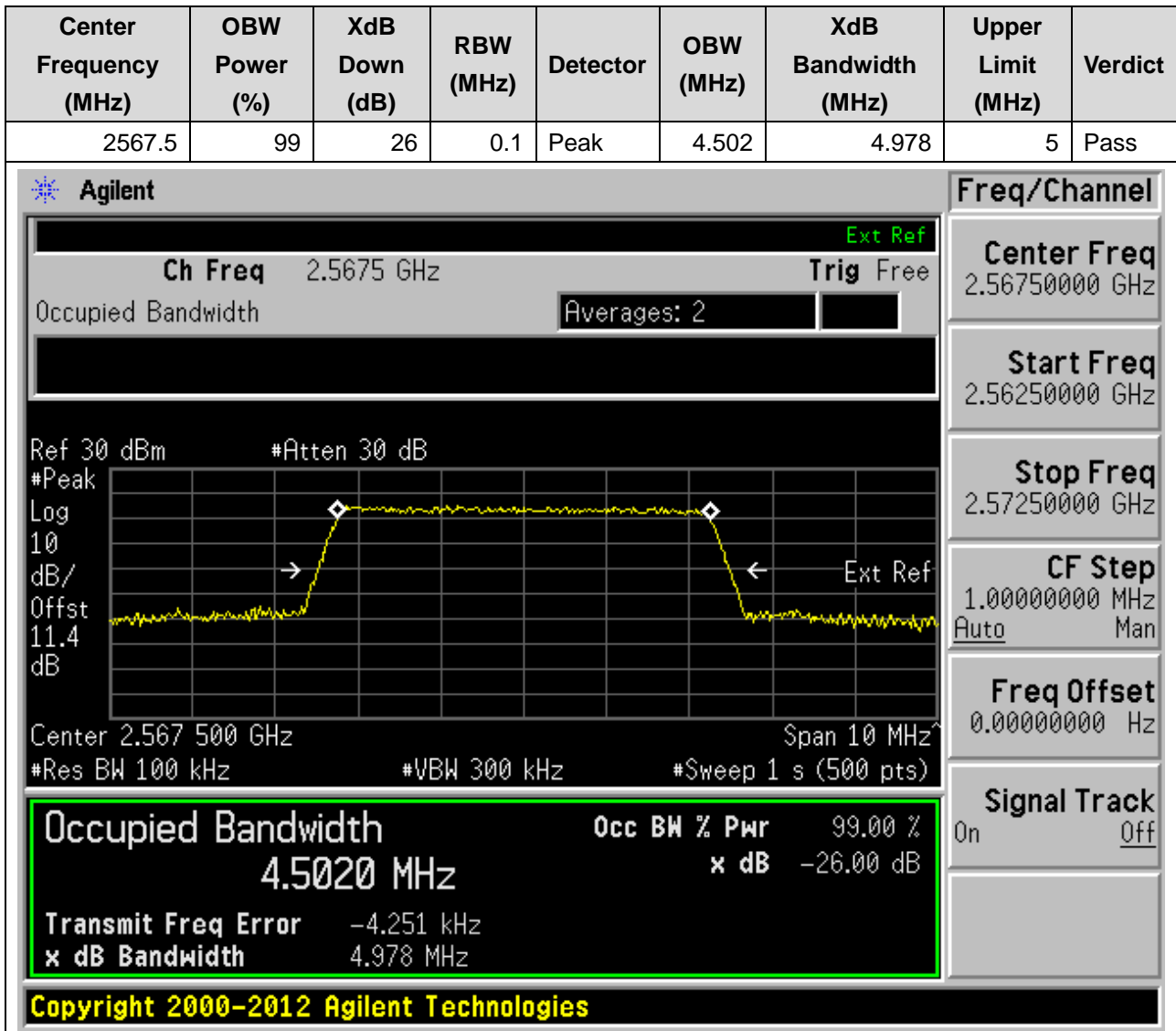
7.4. LTE Occupied Bandwidth(NTNV)(Subtest:4, Channel:21100, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)



7.5. LTE Occupied Bandwidth(NTNV)(Subtest:5, Channel:21425, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)



7.6. LTE Occupied Bandwidth(NTNV)(Subtest:6, Channel:21425, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)



7.7. LTE Occupied Bandwidth(NTNV)(Subtest:7, Channel:20800, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2505	99	26	0.2	Peak	8.97	9.906	10	Pass

Agilent

Ch Freq 2.505 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 30 dBm #Atten 30 dB

Center 2.505 00 GHz Span 20 MHz

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

Freq/Channel

Center Freq
2.50500000 GHz

Start Freq
2.49500000 GHz

Stop Freq
2.51500000 GHz

CF Step
2.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

8.9705 MHz x dB -26.00 dB

Transmit Freq Error -9.623 kHz

x dB Bandwidth 9.906 MHz

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7.8. LTE Occupied Bandwidth(NTNV)(Subtest:8, Channel:20800, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)



7.9. LTE Occupied Bandwidth(NTNV)(Subtest:9, Channel:21100, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)



7.10. LTE Occupied Bandwidth(NTNV)(Subtest:10, Channel:21100, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)



7.11. LTE Occupied Bandwidth(NTNV)(Subtest:11, Channel:21400, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2565	99	26	0.2	Peak	8.961	9.823	10	Pass

Agilent

Ch Freq 2.565 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Occupied Bandwidth

8.9613 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -16.996 kHz

x dB Bandwidth 9.823 MHz

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Freq/Channel

Center Freq
2.56500000 GHz

Start Freq
2.55500000 GHz

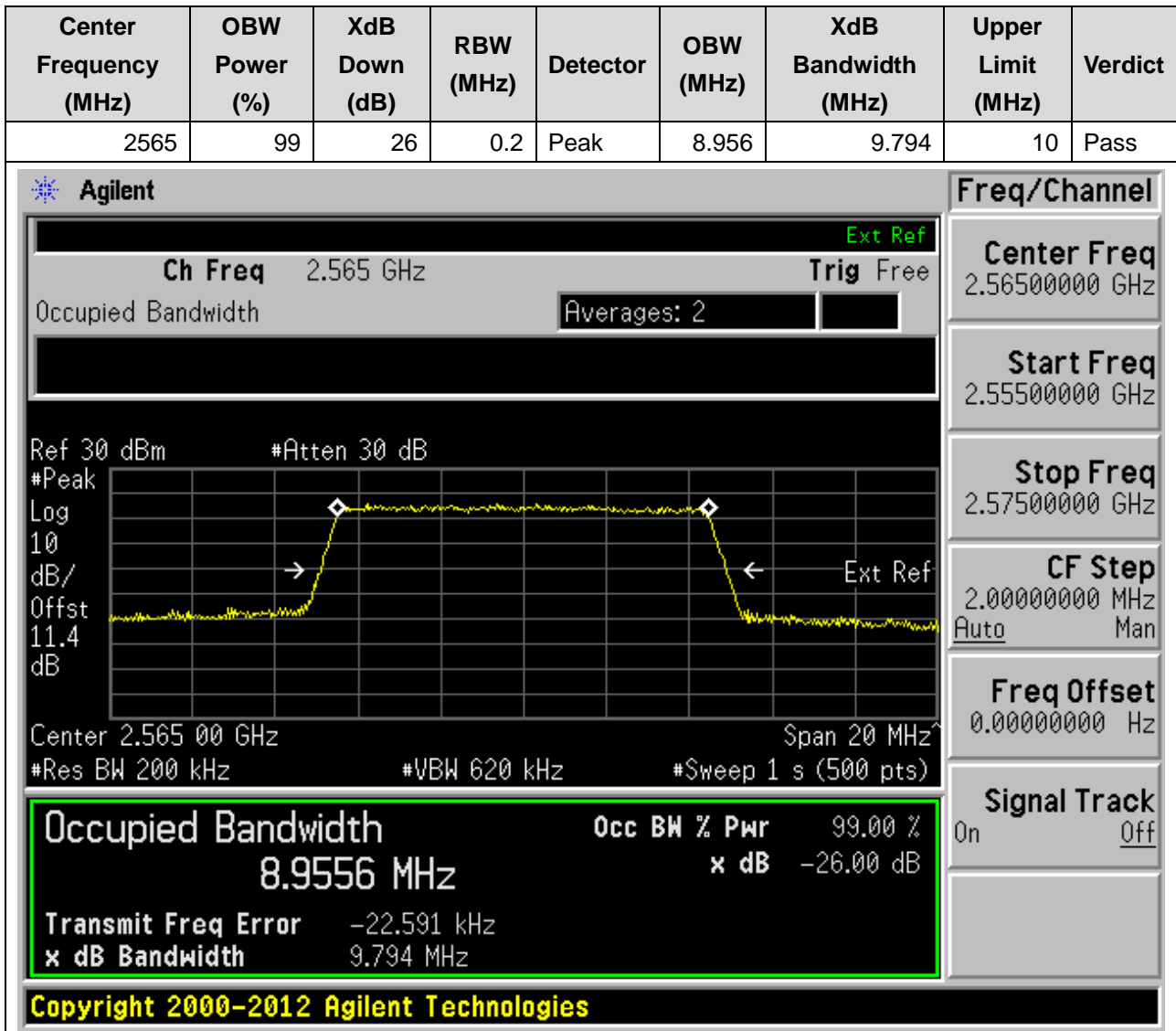
Stop Freq
2.57500000 GHz

CF Step
2.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

7.12. LTE Occupied Bandwidth(NTNV)(Subtest:12, Channel:21400, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)



7.13. LTE Occupied Bandwidth(NTNV)(Subtest:13, Channel:20825, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2507.5	99	26	0.3	Peak	13.438	14.72	15	Pass

Agilent

Ch Freq 2.5075 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 11.4 dB

Center 2.507 50 GHz Span 30 MHz

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

Occupied Bandwidth 13.4380 MHz

Occ BW % Pwr 99.00 %

x dB Bandwidth 14.720 MHz

x dB -26.00 dB

Transmit Freq Error -9.986 kHz

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Freq/Channel

Center Freq 2.50750000 GHz

Start Freq 2.49250000 GHz

Stop Freq 2.52250000 GHz

CF Step 3.00000000 MHz

Freq Offset 0.00000000 Hz

Signal Track On Off

7.14. LTE Occupied Bandwidth(NTNV)(Subtest:14, Channel:20825, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2507.5	99	26	0.3	Peak	13.461	14.724	15	Pass

Agilent

Ch Freq 2.5075 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak

Log 10

dB/Offst 11.4 dB

Center 2.507 50 GHz Span 30 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

13.4613 MHz x dB -26.00 dB

Transmit Freq Error -17.424 kHz

x dB Bandwidth 14.724 MHz

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Freq/Channel

Center Freq
2.50750000 GHz

Start Freq
2.49250000 GHz

Stop Freq
2.52250000 GHz

CF Step
3.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

7.15. LTE Occupied Bandwidth(NTNV)(Subtest:15, Channel:21100, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	0.3	Peak	13.395	14.655	15	Pass

Agilent

Ch Freq 2.535 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Occupied Bandwidth Occ BW % Pwr 99.00 %

13.3948 MHz x dB -26.00 dB

Transmit Freq Error -24.310 kHz

x dB Bandwidth 14.655 MHz

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Freq/Channel

Center Freq
2.53500000 GHz

Start Freq
2.52000000 GHz

Stop Freq
2.55000000 GHz

CF Step
3.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

7.16. LTE Occupied Bandwidth(NTNV)(Subtest:16, Channel:21100, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	0.3	Peak	13.422	14.668	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.535 GHz. The occupied bandwidth is 13.4224 MHz, and the power is 99.00%. The XdB down is -26.00 dB. The transmit frequency error is -18.688 kHz, and the XdB bandwidth is 14.668 MHz. The interface includes various controls and settings, such as 'Ch Freq', 'Trig Free', 'Averages: 2', 'Ref 30 dBm', '#Atten 30 dB', 'Log 10', 'dB/Offst 11.3 dB', 'Center 2.535 00 GHz', 'Span 30 MHz', '#Res BW 300 kHz', '#VBW 1 MHz', and '#Sweep 1 s (500 pts)'. The 'Signal Track' is set to 'On'. The 'Copyright 2000-2012 Agilent Technologies' is displayed at the bottom.

Occupied Bandwidth		Occ BW % Pwr
13.4224 MHz	99.00 %	
Transmit Freq Error	-18.688 kHz	
x dB Bandwidth	14.668 MHz	x dB -26.00 dB

7.17. LTE Occupied Bandwidth(NTNV)(Subtest:17, Channel:21375, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2562.5	99	26	0.3	Peak	13.39	14.679	15	Pass

Agilent

Ch Freq 2.5625 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Occupied Bandwidth

13.3897 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -23.787 kHz

x dB Bandwidth 14.679 MHz

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Freq/Channel

Center Freq
2.56250000 GHz

Start Freq
2.54750000 GHz

Stop Freq
2.57750000 GHz

CF Step
3.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

7.18. LTE Occupied Bandwidth(NTNV)(Subtest:18, Channel:21375, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2562.5	99	26	0.3	Peak	13.43	14.644	15	Pass

Agilent

Ch Freq 2.5625 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.4 dB

Center 2.562 50 GHz Span 30 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %
13.4300 MHz x dB -26.00 dB

Transmit Freq Error -23.252 kHz
 x dB Bandwidth 14.644 MHz

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Freq/Channel

Center Freq 2.56250000 GHz

Start Freq 2.54750000 GHz

Stop Freq 2.57750000 GHz

CF Step 3.00000000 MHz
 Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

7.19. LTE Occupied Bandwidth(NTNV)(Subtest:19, Channel:20850, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2510	99	26	0.39	Peak	17.903	19.444	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 2.51 GHz. The occupied bandwidth is 17.9032 MHz, which is 99.00% of the power. The XdB down is -26.00 dB. The transmit frequency error is -7.683 kHz, and the XdB bandwidth is 19.444 MHz. The interface also shows various settings such as Res BW (390 kHz), VBW (1.2 MHz), and Span (40 MHz).

Occupied Bandwidth		Occ BW % Pwr
17.9032 MHz	99.00 %	
Transmit Freq Error		-7.683 kHz
x dB Bandwidth		19.444 MHz

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7.20. LTE Occupied Bandwidth(NTNV)(Subtest:20, Channel:20850, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2510	99	26	0.39	Peak	17.933	19.42	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The plot is set to a center frequency of 2.51 GHz and a span of 40 MHz. The vertical axis is labeled 'dB' and has a reference level of 30 dB. The horizontal axis is labeled 'MHz' and has a resolution bandwidth of 390 kHz. The plot shows a signal with a peak at 2.51 GHz. The 'Occupied Bandwidth' is measured as 17.9334 MHz, which is 99.00% of the power. The 'X dB Bandwidth' is 19.420 MHz. The 'Transmit Freq Error' is 1.081 kHz. The 'Verdict' is 'Pass'.

Occupied Bandwidth 17.9334 MHz

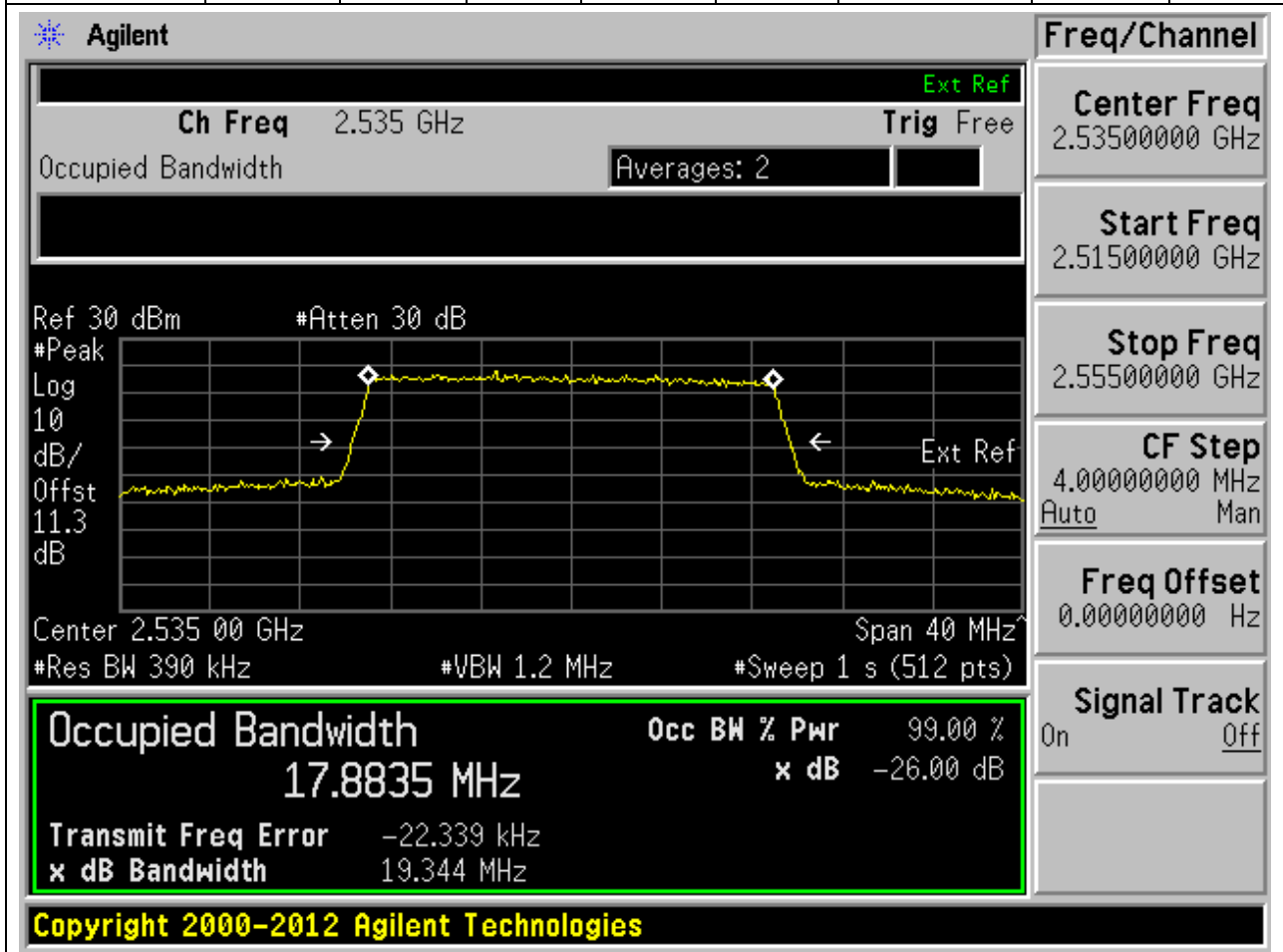
Occ BW % Pwr 99.00 %
x dB -26.00 dB

Transmit Freq Error 1.081 kHz
x dB Bandwidth 19.420 MHz

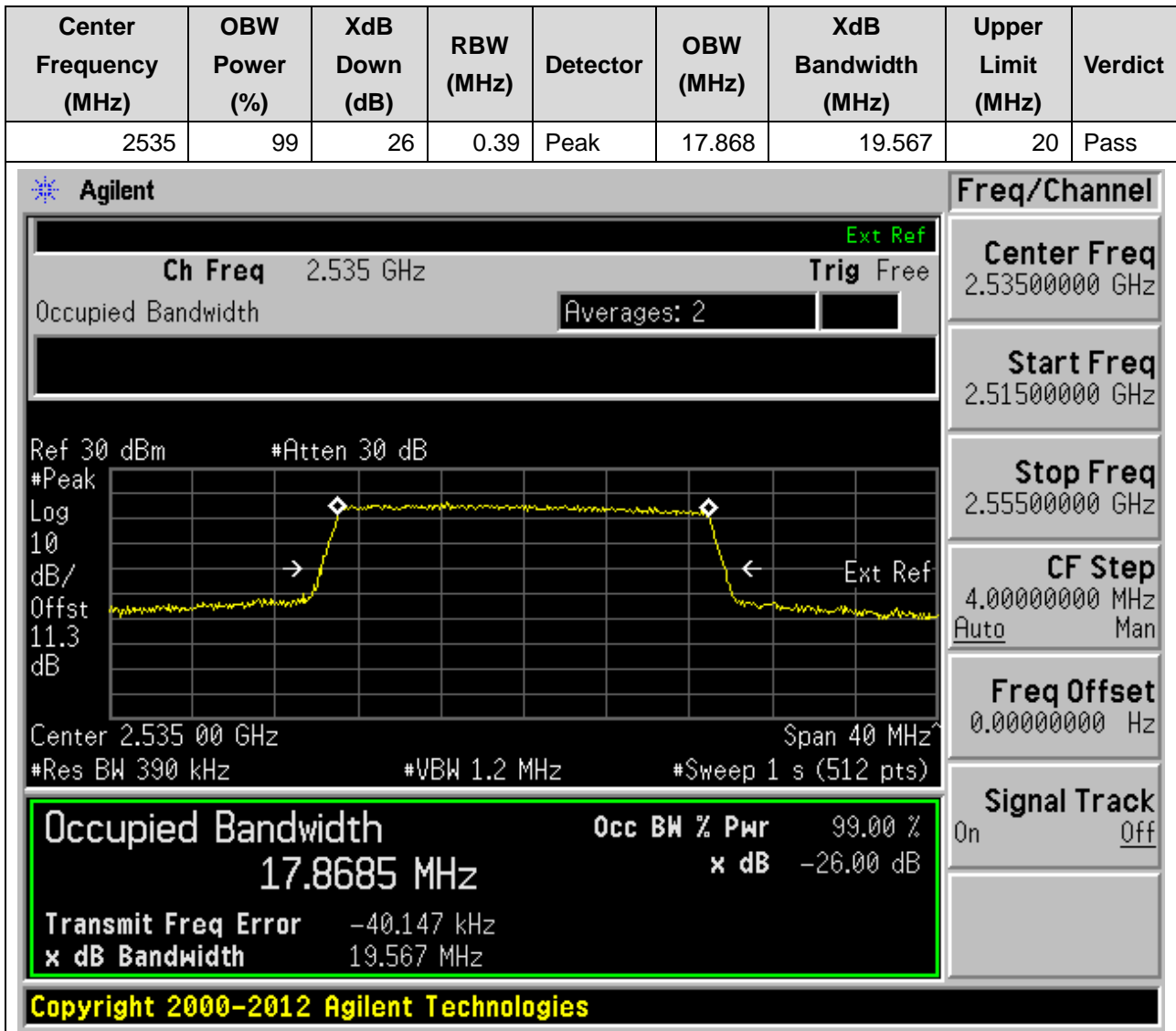
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7.21. LTE Occupied Bandwidth(NTNV)(Subtest:21, Channel:21100, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	0.39	Peak	17.884	19.344	20	Pass

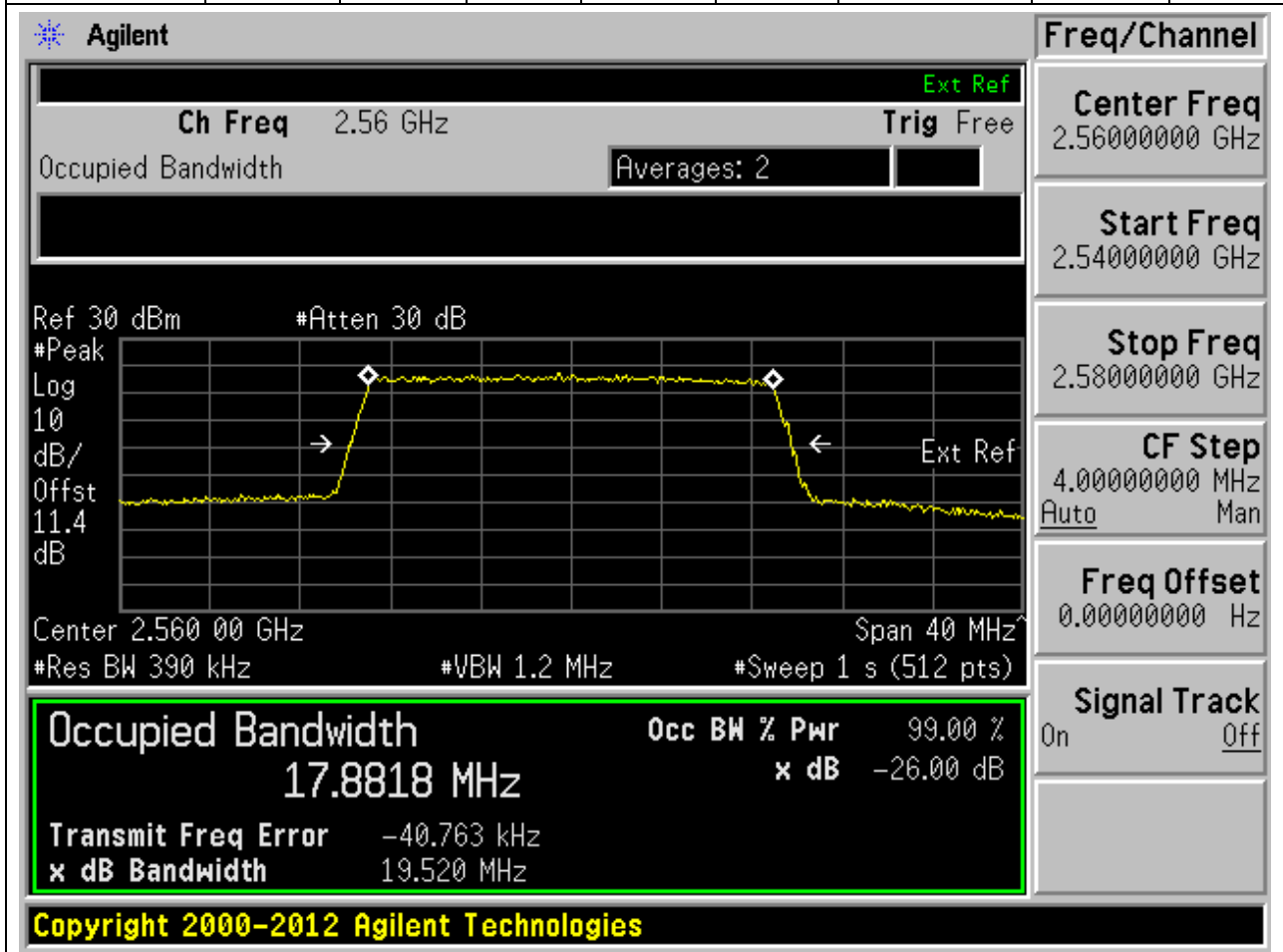


7.22. LTE Occupied Bandwidth(NTNV)(Subtest:22, Channel:21100, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)



7.23. LTE Occupied Bandwidth(NTNV)(Subtest:23, Channel:21350, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2560	99	26	0.39	Peak	17.882	19.52	20	Pass

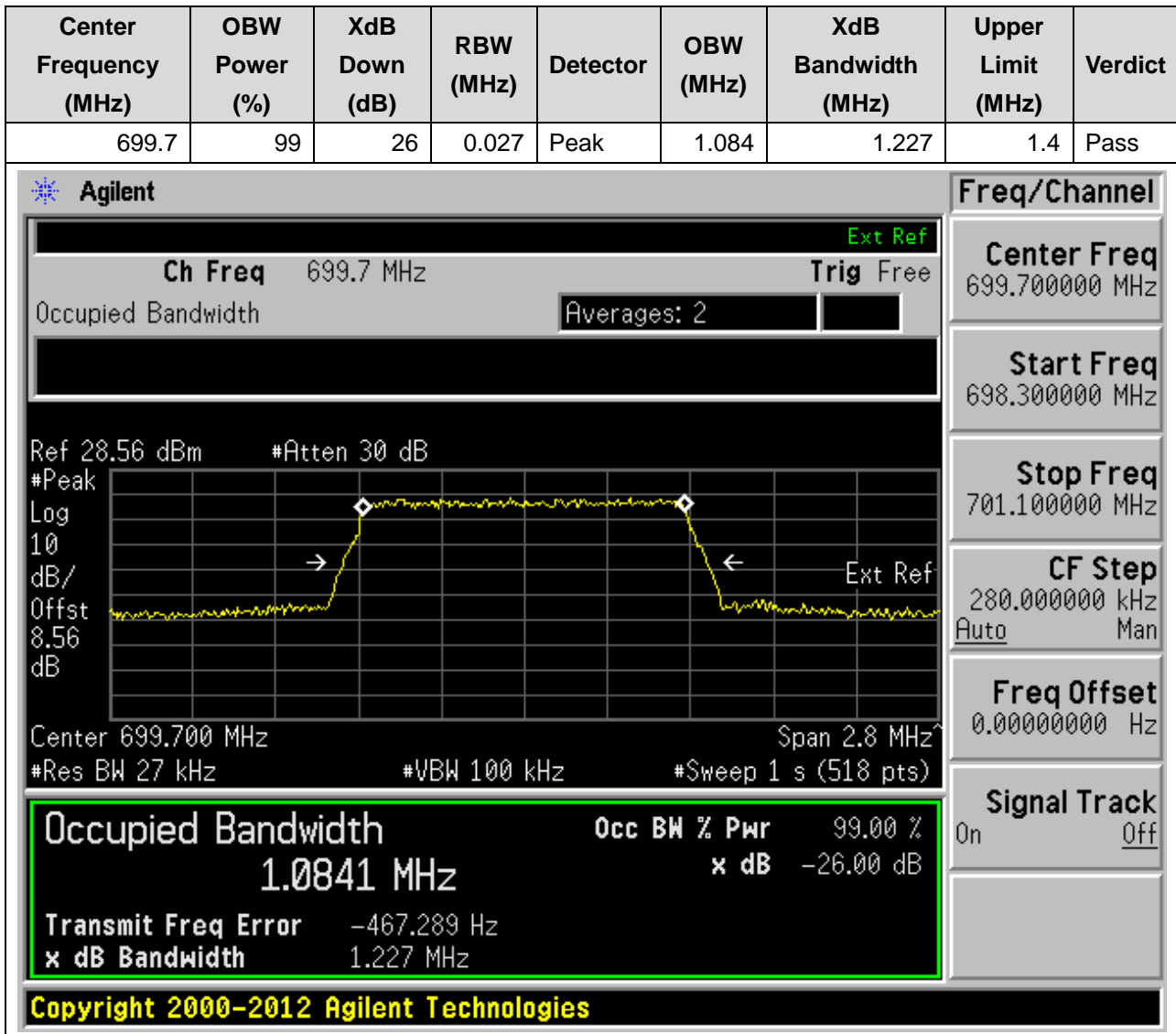


7.24. LTE Occupied Bandwidth(NTNV)(Subtest:24, Channel:21350, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)

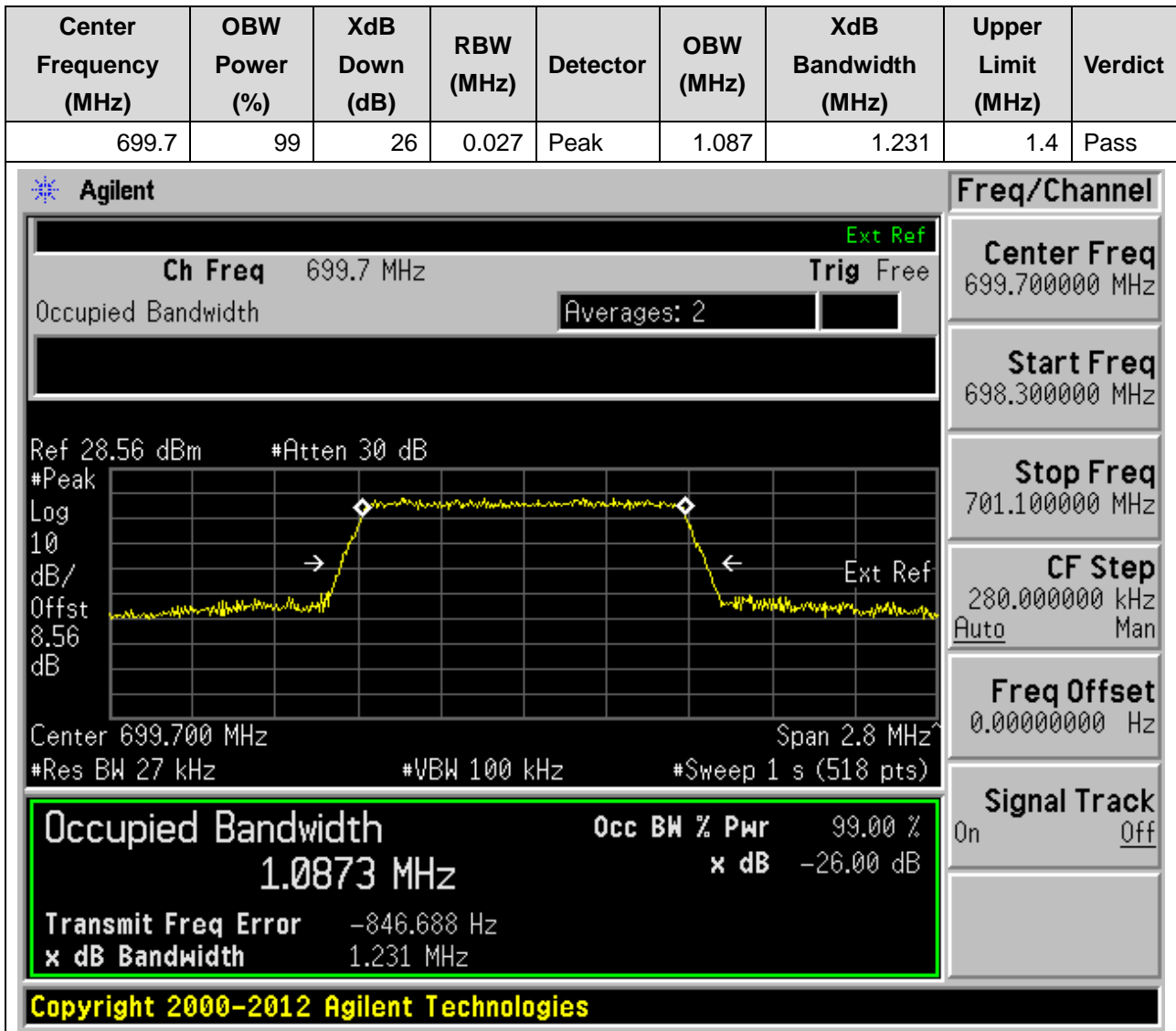


8. LTE_Band12

8.1. LTE Occupied Bandwidth(NTNV)(Subtest:1, Channel:23017, Bandwidth:1.4, Modulation:QPSK, RB Number: 6, RB Position:LOW)



8.2. LTE Occupied Bandwidth(NTNV)(Subtest:2, Channel:23017, Bandwidth:1.4, Modulation:Q16, RB Number: 6, RB Position:LOW)



8.3. LTE Occupied Bandwidth(NTNV)(Subtest:3, Channel:23095, Bandwidth:1.4, Modulation:QPSK, RB Number: 6, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
707.5	99	26	0.027	Peak	1.084	1.236	1.4	Pass

Agilent

Ch Freq 707.5 MHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 28.57 dBm #Atten 30 dB

Center 707.500 MHz Span 2.8 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

1.0842 MHz x dB -26.00 dB

Transmit Freq Error 305.979 Hz

x dB Bandwidth 1.236 MHz

Freq/Channel

Center Freq 707.500000 MHz

Start Freq 706.100000 MHz

Stop Freq 708.900000 MHz

CF Step 280.000000 kHz
Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

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8.4. LTE Occupied Bandwidth(NTNV)(Subtest:4, Channel:23095, Bandwidth:1.4, Modulation:Q16, RB Number: 6, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
707.5	99	26	0.027	Peak	1.085	1.218	1.4	Pass

Agilent

Ch Freq 707.5 MHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 28.57 dBm #Atten 30 dB

Center 707.500 MHz Span 2.8 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

1.0845 MHz

Transmit Freq Error 337.672 Hz x dB -26.00 dB

x dB Bandwidth 1.218 MHz

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Freq/Channel

Center Freq
707.500000 MHz

Start Freq
706.100000 MHz

Stop Freq
708.900000 MHz

CF Step
280.000000 kHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

8.5. LTE Occupied Bandwidth(NTNV)(Subtest:5, Channel:23173, Bandwidth:1.4, Modulation:QPSK, RB Number: 6, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
715.3	99	26	0.027	Peak	1.089	1.226	1.4	Pass

Agilent

Ch Freq 715.3 MHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 28.56 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.56 dB

Center 715.300 MHz Span 2.8 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
1.0894 MHz	x dB	-26.00 dB
Transmit Freq Error	569.815 Hz	
x dB Bandwidth	1.226 MHz	

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Freq/Channel

Center Freq
715.300000 MHz

Start Freq
713.900000 MHz

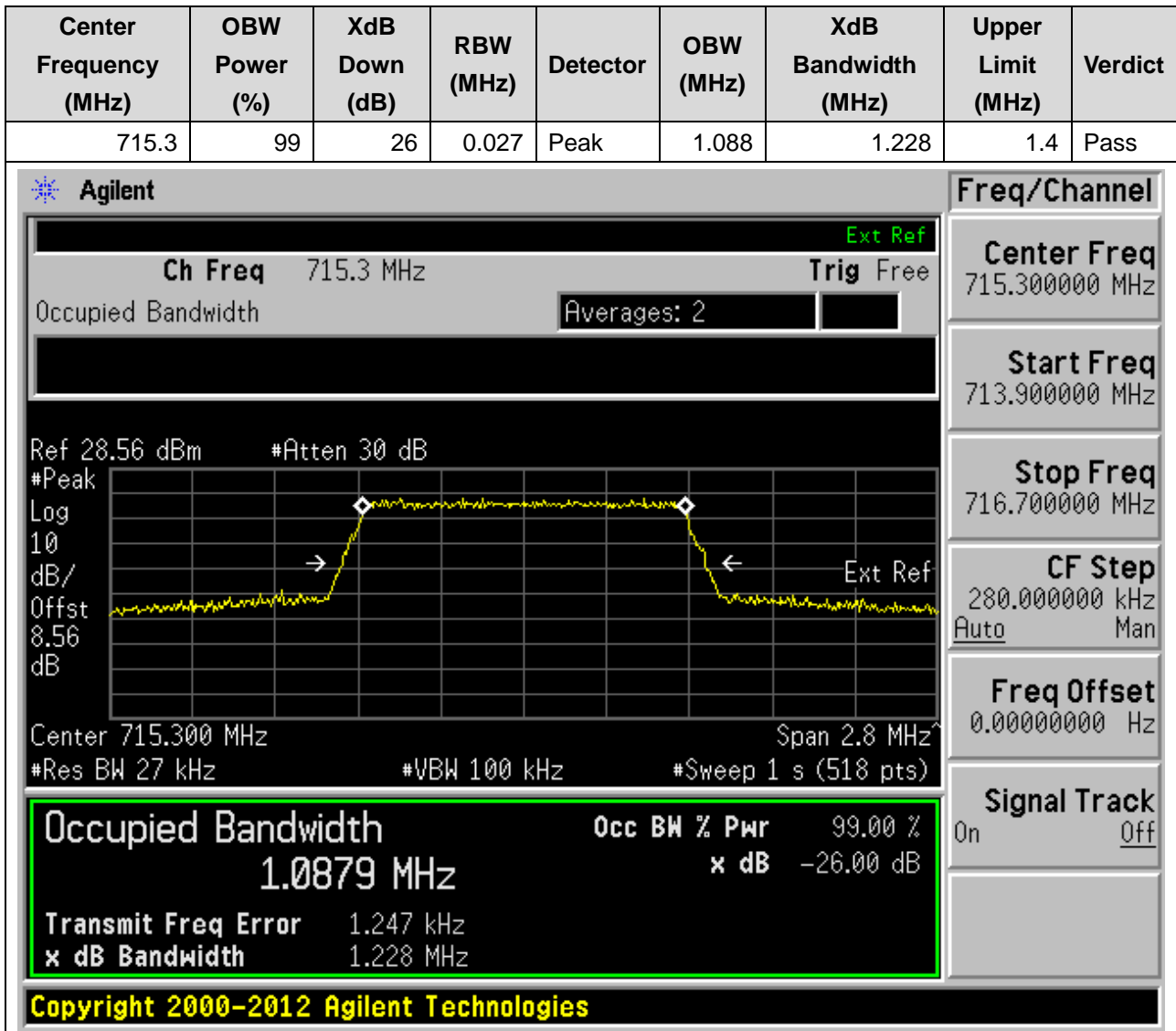
Stop Freq
716.700000 MHz

CF Step
280.000000 kHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

8.6. LTE Occupied Bandwidth(NTNV)(Subtest:6, Channel:23173, Bandwidth:1.4, Modulation:Q16, RB Number: 6, RB Position:LOW)



8.7. LTE Occupied Bandwidth(NTNV)(Subtest:7, Channel:23025, Bandwidth:3, Modulation:QPSK, RB Number: 15, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
700.5	99	26	0.062	Peak	2.706	3.009	3	Pass

Agilent

Ch Freq 700.5 MHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 28.56 dBm #Atten 30 dB

Center 700.500 MHz Span 6 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

2.7056 MHz

x dB -26.00 dB

Transmit Freq Error -2.482 kHz

x dB Bandwidth 3.009 MHz

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Freq/Channel

Center Freq
700.500000 MHz

Start Freq
697.500000 MHz

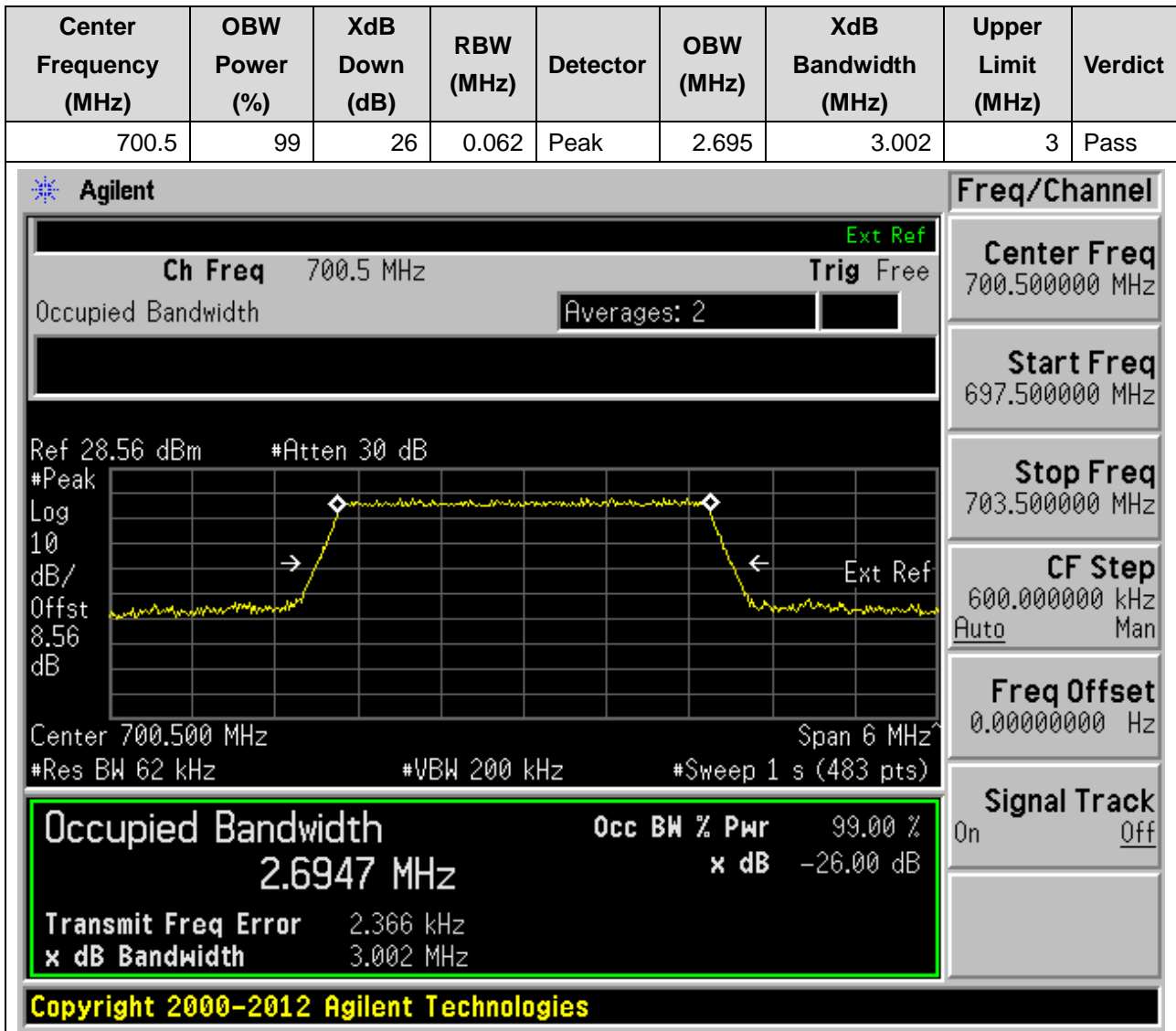
Stop Freq
703.500000 MHz

CF Step
600.000000 kHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

8.8. LTE Occupied Bandwidth(NTNV)(Subtest:8, Channel:23025, Bandwidth:3, Modulation:Q16, RB Number: 15, RB Position:LOW)



8.9. LTE Occupied Bandwidth(NTNV)(Subtest:9, Channel:23095, Bandwidth:3, Modulation:QPSK, RB Number: 15, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
707.5	99	26	0.062	Peak	2.704	3.006	3	Pass

Agilent

Ch Freq 707.5 MHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 28.57 dBm #Atten 30 dB

Center 707.500 MHz Span 6 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

2.7035 MHz

x dB Bandwidth 3.006 MHz

Transmit Freq Error 62.912 Hz

x dB Bandwidth 3.006 MHz

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Freq/Channel

Center Freq
707.500000 MHz

Start Freq
704.500000 MHz

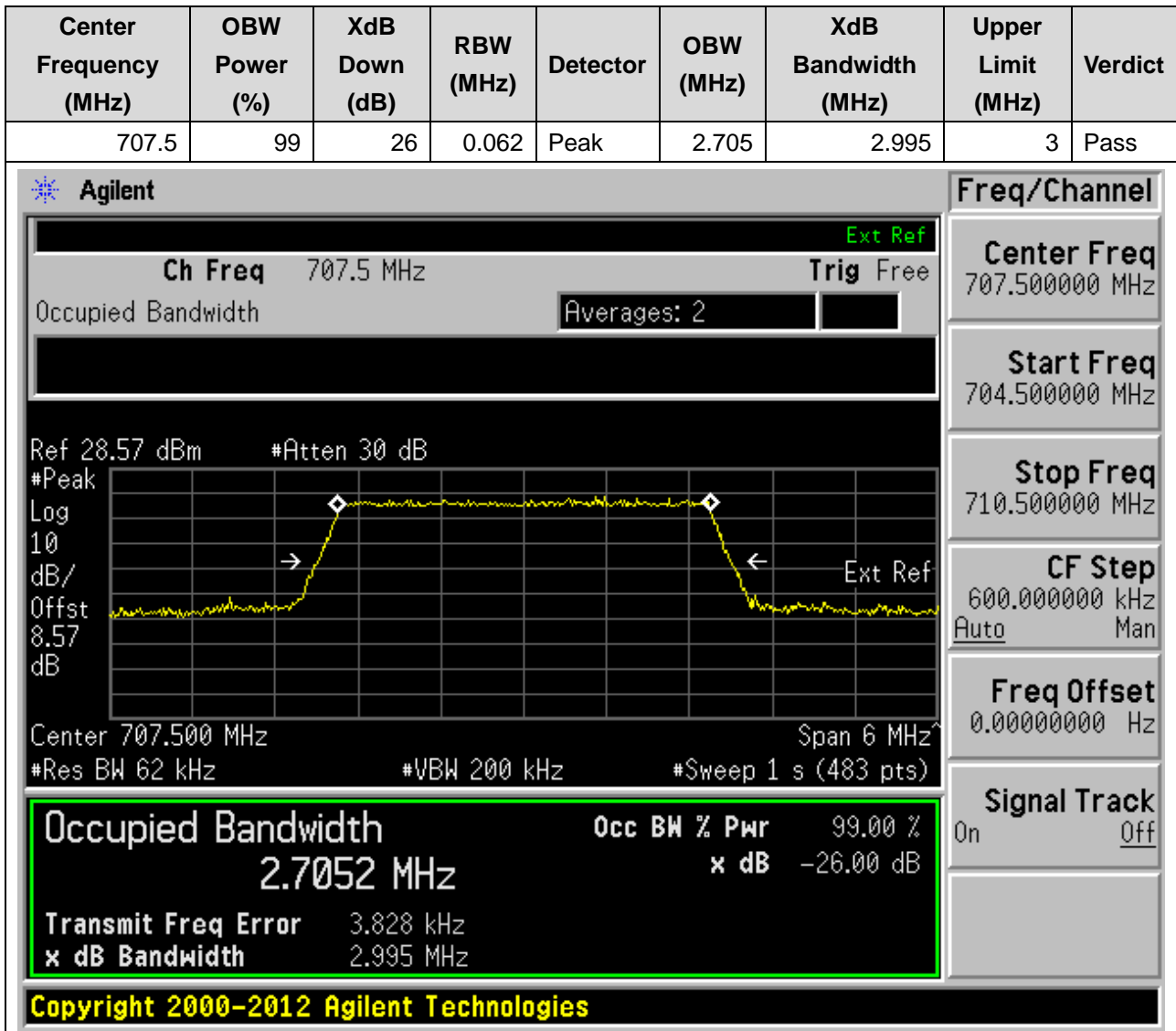
Stop Freq
710.500000 MHz

CF Step
600.000000 kHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

8.10. LTE Occupied Bandwidth(NTNV)(Subtest:10, Channel:23095, Bandwidth:3, Modulation:Q16, RB Number: 15, RB Position:LOW)



8.11. LTE Occupied Bandwidth(NTNV)(Subtest:11, Channel:23165, Bandwidth:3, Modulation:QPSK, RB Number: 15, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
714.5	99	26	0.062	Peak	2.695	3.007	3	Pass

Agilent

Ch Freq 714.5 MHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 28.56 dBm #Atten 30 dB

Center 714.500 MHz Span 6 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

2.6953 MHz x dB -26.00 dB

Transmit Freq Error -1.365 kHz

x dB Bandwidth 3.007 MHz

Freq/Channel

Center Freq
714.500000 MHz

Start Freq
711.500000 MHz

Stop Freq
717.500000 MHz

CF Step
600.000000 kHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

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8.12. LTE Occupied Bandwidth(NTNV)(Subtest:12, Channel:23165, Bandwidth:3, Modulation:Q16, RB Number: 15, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
714.5	99	26	0.062	Peak	2.7	2.989	3	Pass

Agilent

Ch Freq 714.5 MHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 28.56 dBm #Atten 30 dB

Center 714.500 MHz Span 6 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

2.6997 MHz x dB -26.00 dB

Transmit Freq Error 80.385 Hz

x dB Bandwidth 2.989 MHz

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Freq/Channel

Center Freq
714.500000 MHz

Start Freq
711.500000 MHz

Stop Freq
717.500000 MHz

CF Step
600.000000 kHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

8.13. LTE Occupied Bandwidth(NTNV)(Subtest:13, Channel:23035, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
701.5	99	26	0.1	Peak	4.503	4.99	5	Pass

Agilent

Ch Freq 701.5 MHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 28.56 dBm #Atten 30 dB

Center 701.500 MHz Span 10 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

4.5028 MHz

x dB -26.00 dB

Transmit Freq Error -3.107 kHz

x dB Bandwidth 4.990 MHz

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Freq/Channel

Center Freq
701.500000 MHz

Start Freq
696.500000 MHz

Stop Freq
706.500000 MHz

CF Step
1.00000000 MHz
Auto Man

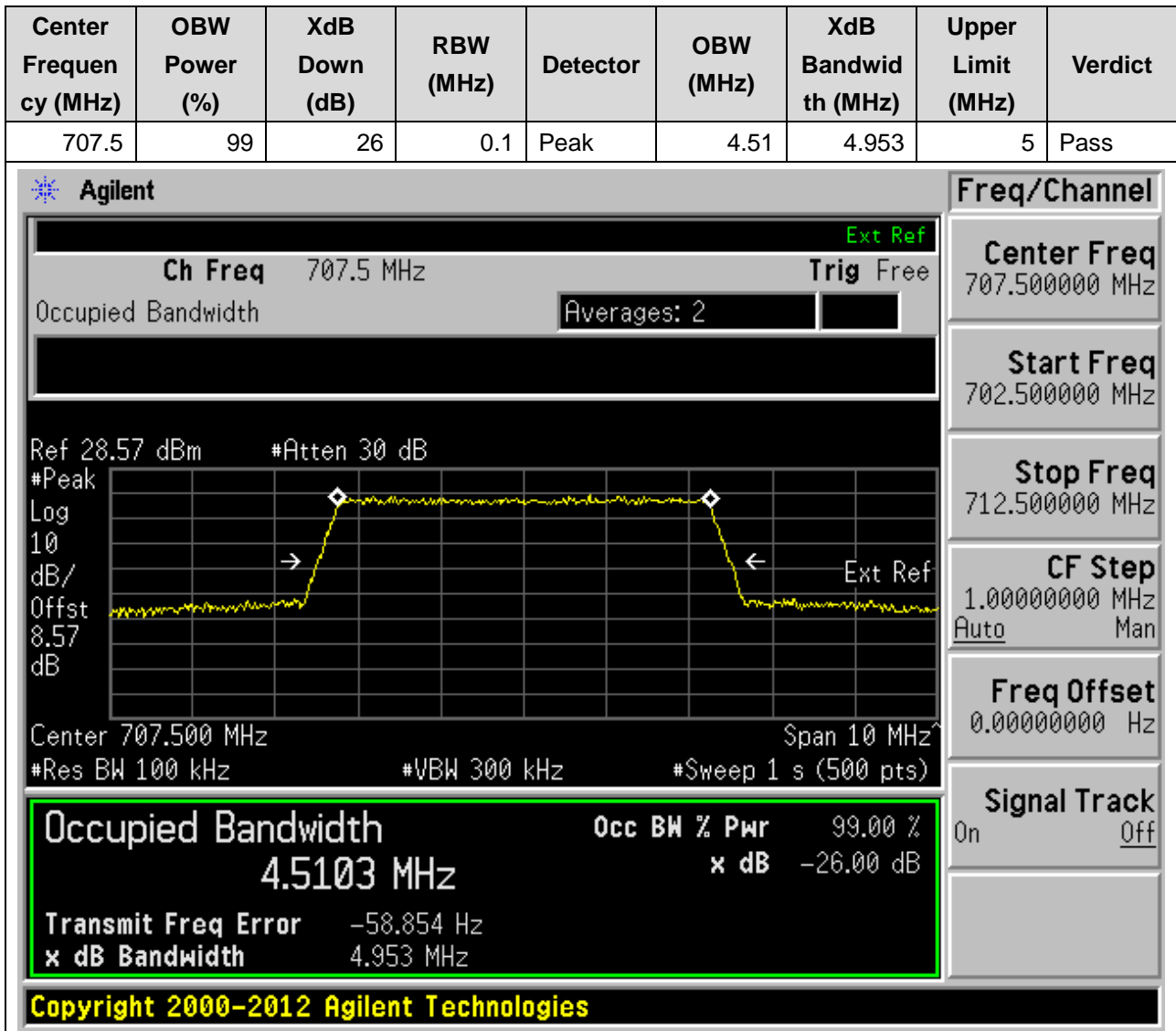
Freq Offset
0.00000000 Hz

Signal Track
On Off

8.14. LTE Occupied Bandwidth(NTNV)(Subtest:14, Channel:23035, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)



8.15. LTE Occupied Bandwidth(NTNV)(Subtest:15, Channel:23095, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)



8.16. LTE Occupied Bandwidth(NTNV)(Subtest:16, Channel:23095, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
707.5	99	26	0.1	Peak	4.517	4.991	5	Pass

Agilent

Ch Freq 707.5 MHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 28.57 dBm #Atten 30 dB

Center 707.500 MHz Span 10 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

4.5175 MHz x dB -26.00 dB

Transmit Freq Error -1.379 kHz

x dB Bandwidth 4.991 MHz

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Freq/Channel

Center Freq
707.500000 MHz

Start Freq
702.500000 MHz

Stop Freq
712.500000 MHz

CF Step
1.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

8.17. LTE Occupied Bandwidth(NTNV)(Subtest:17, Channel:23155, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
713.5	99	26	0.1	Peak	4.501	4.94	5	Pass

Agilent

Ch Freq 713.5 MHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 28.56 dBm #Atten 30 dB

Center 713.500 MHz Span 10 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

4.5009 MHz x dB -26.00 dB

Transmit Freq Error -2.873 kHz

x dB Bandwidth 4.940 MHz

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Freq/Channel

Center Freq
713.500000 MHz

Start Freq
708.500000 MHz

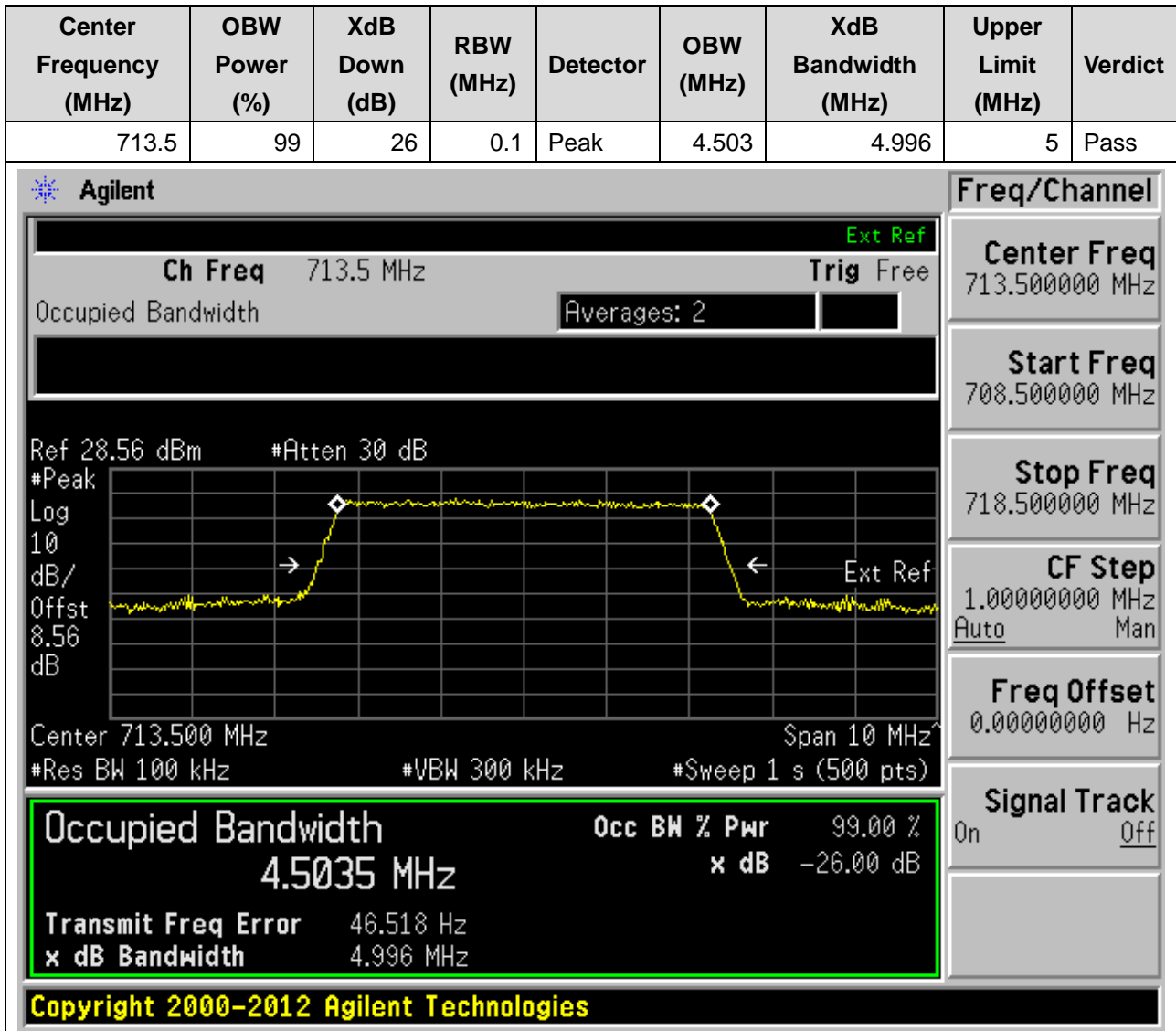
Stop Freq
718.500000 MHz

CF Step
1.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

8.18. LTE Occupied Bandwidth(NTNV)(Subtest:18, Channel:23155, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)



8.19. LTE Occupied Bandwidth(NTNV)(Subtest:19, Channel:23060, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
704	99	26	0.2	Peak	8.964	9.852	10	Pass

Agilent

Ch Freq 704 MHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 28.57 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.56 dB

Center 704.00 MHz Span 20 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

8.9644 MHz x dB -26.00 dB

Transmit Freq Error 1.301 kHz

x dB Bandwidth 9.852 MHz

Freq/Channel

Center Freq
704.000000 MHz

Start Freq
694.000000 MHz

Stop Freq
714.000000 MHz

CF Step
2.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

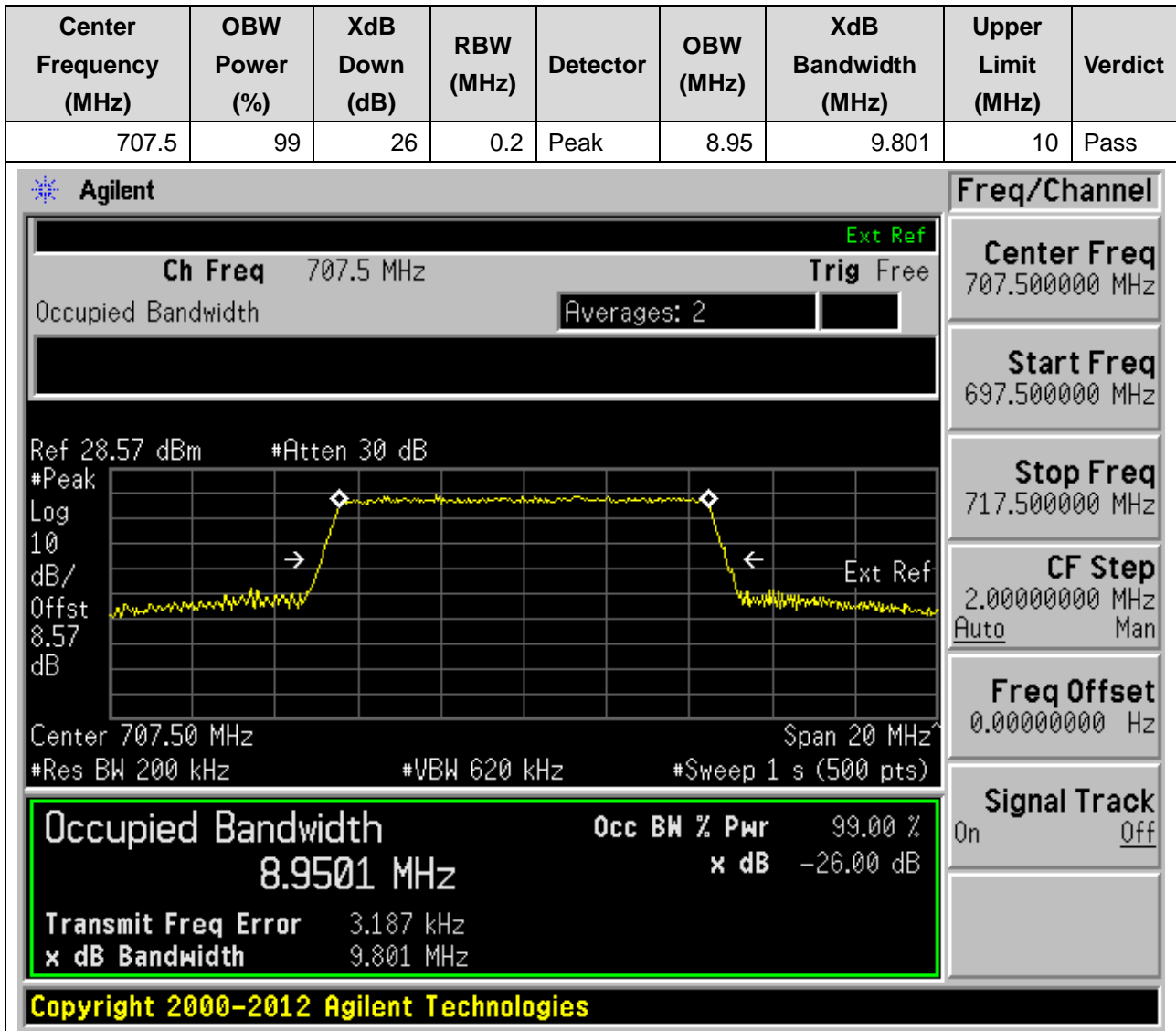
Signal Track
On Off

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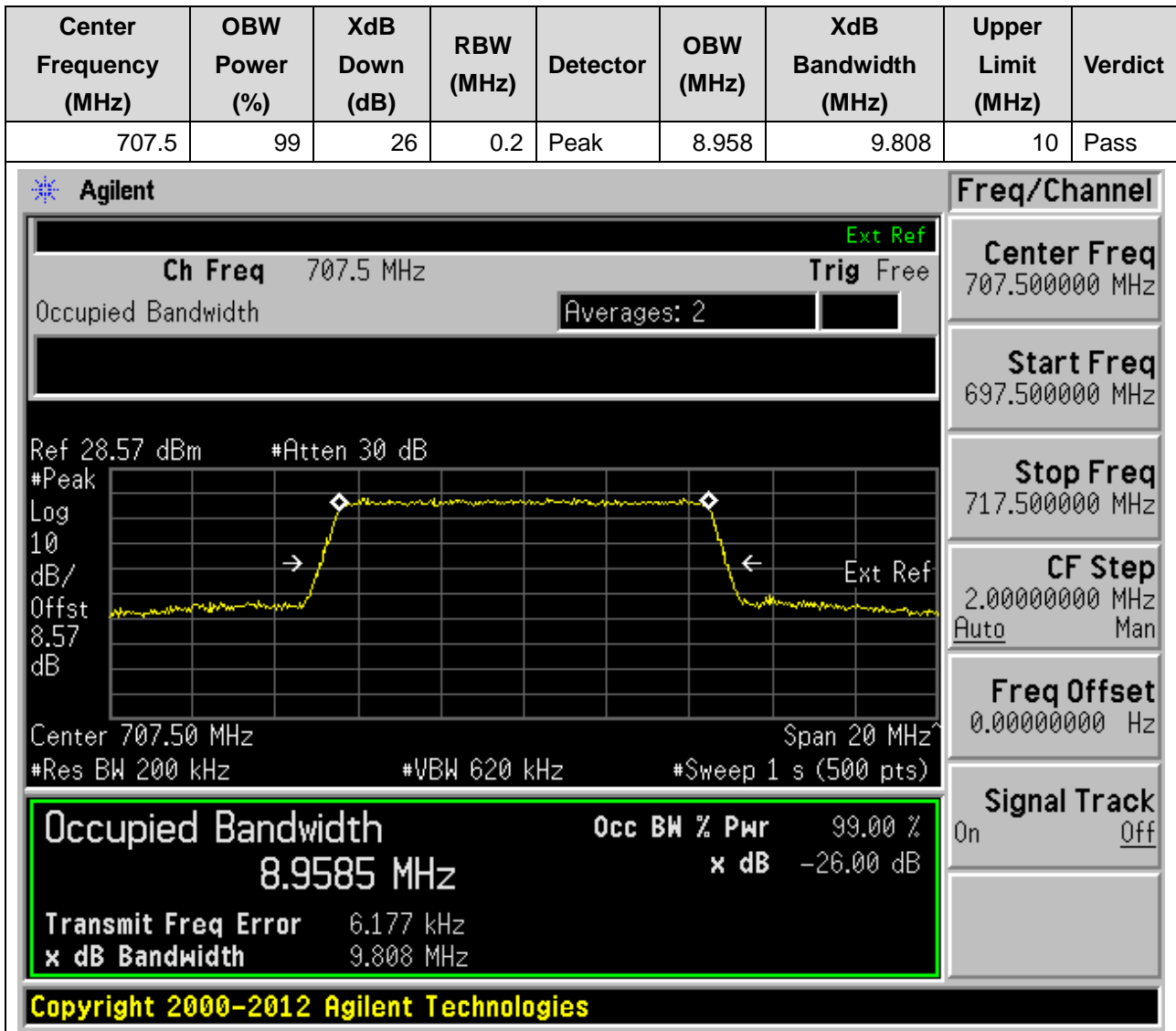
8.20. LTE Occupied Bandwidth(NTNV)(Subtest:20, Channel:23060, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)



8.21. LTE Occupied Bandwidth(NTNV)(Subtest:21, Channel:23095, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)



8.22. LTE Occupied Bandwidth(NTNV)(Subtest:22, Channel:23095, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)



8.23. LTE Occupied Bandwidth(NTNV)(Subtest:23, Channel:23130, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
711	99	26	0.2	Peak	8.958	9.813	10	Pass

Agilent

Ch Freq 711 MHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 28.57 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.57 dB

Center 711.00 MHz Span 20 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

8.9584 MHz x dB -26.00 dB

Transmit Freq Error -16.375 kHz

x dB Bandwidth 9.813 MHz

Freq/Channel

Center Freq 711.000000 MHz

Start Freq 701.000000 MHz

Stop Freq 721.000000 MHz

CF Step 2.00000000 MHz Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

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8.24. LTE Occupied Bandwidth(NTNV)(Subtest:24, Channel:23130, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
711	99	26	0.2	Peak	8.945	9.812	10	Pass

Agilent

Ch Freq 711 MHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 28.57 dBm #Atten 30 dB

Center 711.00 MHz Span 20 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

8.9447 MHz x dB -26.00 dB

Transmit Freq Error -15.806 kHz

x dB Bandwidth 9.812 MHz

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Freq/Channel

Center Freq
711.000000 MHz

Start Freq
701.000000 MHz

Stop Freq
721.000000 MHz

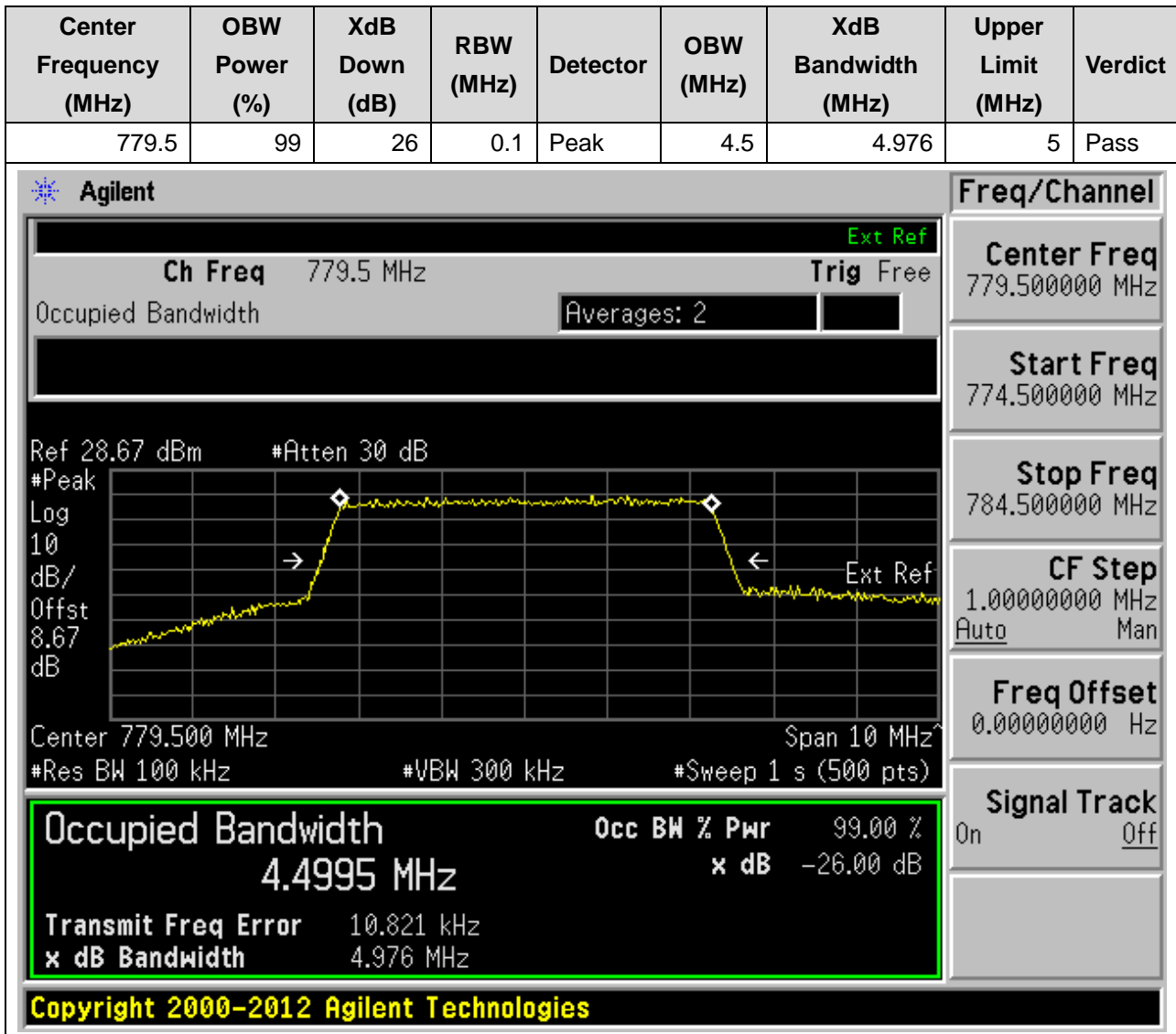
CF Step
2.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

9. LTE_Band13

9.1. LTE Occupied Bandwidth(NTNV)(Subtest:1, Channel:23205, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)



9.2. LTE Occupied Bandwidth(NTNV)(Subtest:2, Channel:23205, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)



9.3. LTE Occupied Bandwidth(NTNV)(Subtest:3, Channel:23230, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)



9.4. LTE Occupied Bandwidth(NTNV)(Subtest:4, Channel:23230, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
782	99	26	0.1	Peak	4.506	4.949	5	Pass

Agilent

Ch Freq 782 MHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 28.68 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.68 dB

Center 782.000 MHz Span 10 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

4.5058 MHz x dB -26.00 dB

Transmit Freq Error -4.993 kHz

x dB Bandwidth 4.949 MHz

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Freq/Channel

Center Freq 782.000000 MHz

Start Freq 777.000000 MHz

Stop Freq 787.000000 MHz

CF Step 1.00000000 MHz

Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

9.5. LTE Occupied Bandwidth(NTNV)(Subtest:5, Channel:23255, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)



9.6. LTE Occupied Bandwidth(NTNV)(Subtest:6, Channel:23255, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)



9.7. LTE Occupied Bandwidth(NTNV)(Subtest:7, Channel:23230, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
782	99	26	0.2	Peak	8.952	9.835	10	Pass

Agilent

Ch Freq 782 MHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Occupied Bandwidth Occ BW % Pwr 99.00 %

8.9516 MHz x dB -26.00 dB

Transmit Freq Error 12.775 kHz

x dB Bandwidth 9.835 MHz

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Freq/Channel

Center Freq
782.000000 MHz

Start Freq
772.000000 MHz

Stop Freq
792.000000 MHz

CF Step
2.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

9.8. LTE Occupied Bandwidth(NTNV)(Subtest:8, Channel:23230, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
782	99	26	0.2	Peak	8.951	9.744	10	Pass

Agilent

Ch Freq 782 MHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 28.68 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.68 dB

Center 782.00 MHz Span 20 MHz

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

Freq/Channel

Center Freq
782.000000 MHz

Start Freq
772.000000 MHz

Stop Freq
792.000000 MHz

CF Step
2.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

8.9506 MHz x dB -26.00 dB

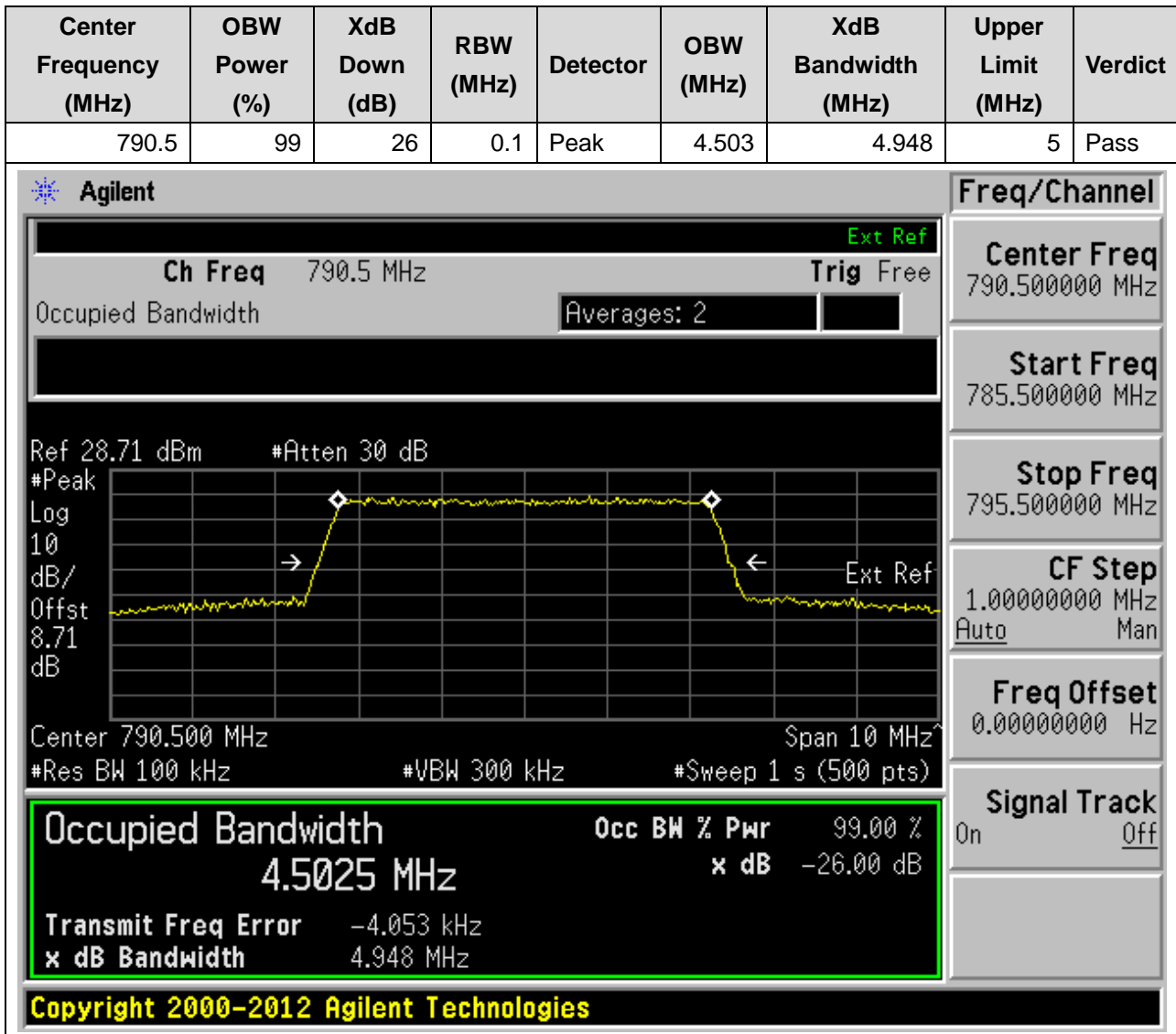
Transmit Freq Error 20.750 kHz

x dB Bandwidth 9.744 MHz

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10. LTE_Band14

10.1. LTE Occupied Bandwidth(NTNV)(Subtest:1, Channel:23305, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)



10.2. LTE Occupied Bandwidth(NTNV)(Subtest:2, Channel:23305, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)



10.3. LTE Occupied Bandwidth(NTNV)(Subtest:3, Channel:23330, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
793	99	26	0.1	Peak	4.492	4.97	5	Pass

Agilent

Ch Freq 793 MHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 28.71 dBm #Atten 30 dB

Center 793.000 MHz Span 10 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

4.4917 MHz x dB -26.00 dB

Transmit Freq Error -7.810 kHz

x dB Bandwidth 4.970 MHz

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Freq/Channel

Center Freq
793.000000 MHz

Start Freq
788.000000 MHz

Stop Freq
798.000000 MHz

CF Step
1.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

10.4. LTE Occupied Bandwidth(NTNV)(Subtest:4, Channel:23330, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
793	99	26	0.1	Peak	4.504	4.959	5	Pass

Agilent

Ch Freq 793 MHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 28.71 dBm #Atten 30 dB

Center 793.000 MHz Span 10 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

4.5036 MHz x dB -26.00 dB

Transmit Freq Error -10.325 kHz

x dB Bandwidth 4.959 MHz

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Freq/Channel

Center Freq
793.000000 MHz

Start Freq
788.000000 MHz

Stop Freq
798.000000 MHz

CF Step
1.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

10.5. LTE Occupied Bandwidth(NTNV)(Subtest:5, Channel:23355, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
795.5	99	26	0.1	Peak	4.503	4.953	5	Pass

Agilent

Ch Freq 795.5 MHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 28.71 dBm #Atten 30 dB

Center 795.500 MHz Span 10 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

4.5026 MHz x dB -26.00 dB

Transmit Freq Error -1.917 kHz

x dB Bandwidth 4.953 MHz

Freq/Channel

Center Freq
795.500000 MHz

Start Freq
790.500000 MHz

Stop Freq
800.500000 MHz

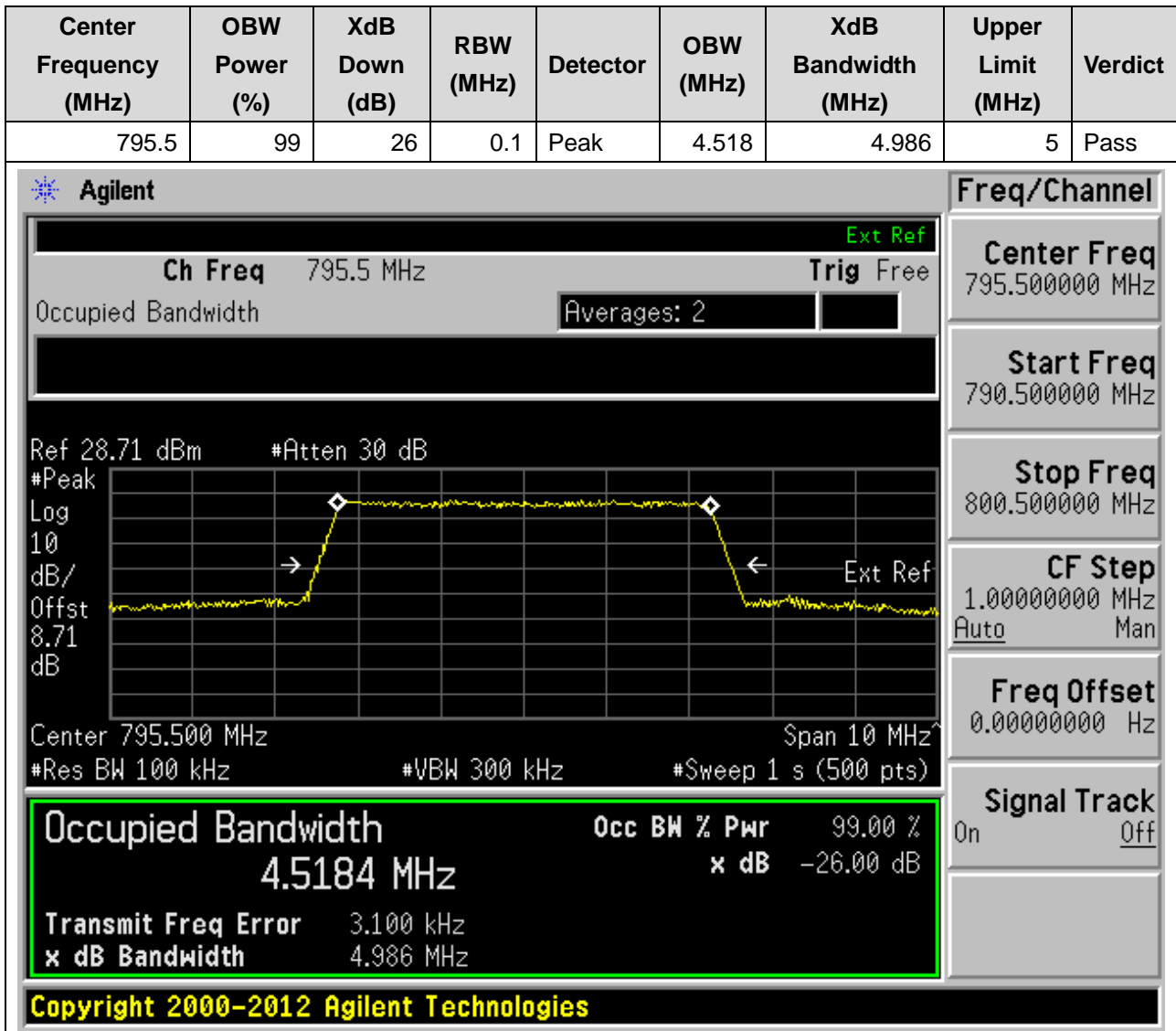
CF Step
1.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

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10.6. LTE Occupied Bandwidth(NTNV)(Subtest:6, Channel:23355, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)



10.7. LTE Occupied Bandwidth(NTNV)(Subtest:7, Channel:23330, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
793	99	26	0.2	Peak	8.98	9.893	10	Pass

Agilent

Ch Freq 793 MHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 28.71 dBm #Atten 30 dB

Center 793.00 MHz Span 20 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

8.9798 MHz

x dB -26.00 dB

Transmit Freq Error -10.443 kHz

x dB Bandwidth 9.893 MHz

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Freq/Channel

Center Freq
793.000000 MHz

Start Freq
783.000000 MHz

Stop Freq
803.000000 MHz

CF Step
2.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

10.8. LTE Occupied Bandwidth(NTNV)(Subtest:8, Channel:23330, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
793	99	26	0.2	Peak	8.975	9.788	10	Pass

Agilent

Ch Freq 793 MHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 28.71 dBm #Atten 30 dB

Center 793.00 MHz Span 20 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

8.9748 MHz

x dB -26.00 dB

Transmit Freq Error -2.759 kHz

x dB Bandwidth 9.788 MHz

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Freq/Channel

Center Freq
793.000000 MHz

Start Freq
783.000000 MHz

Stop Freq
803.000000 MHz

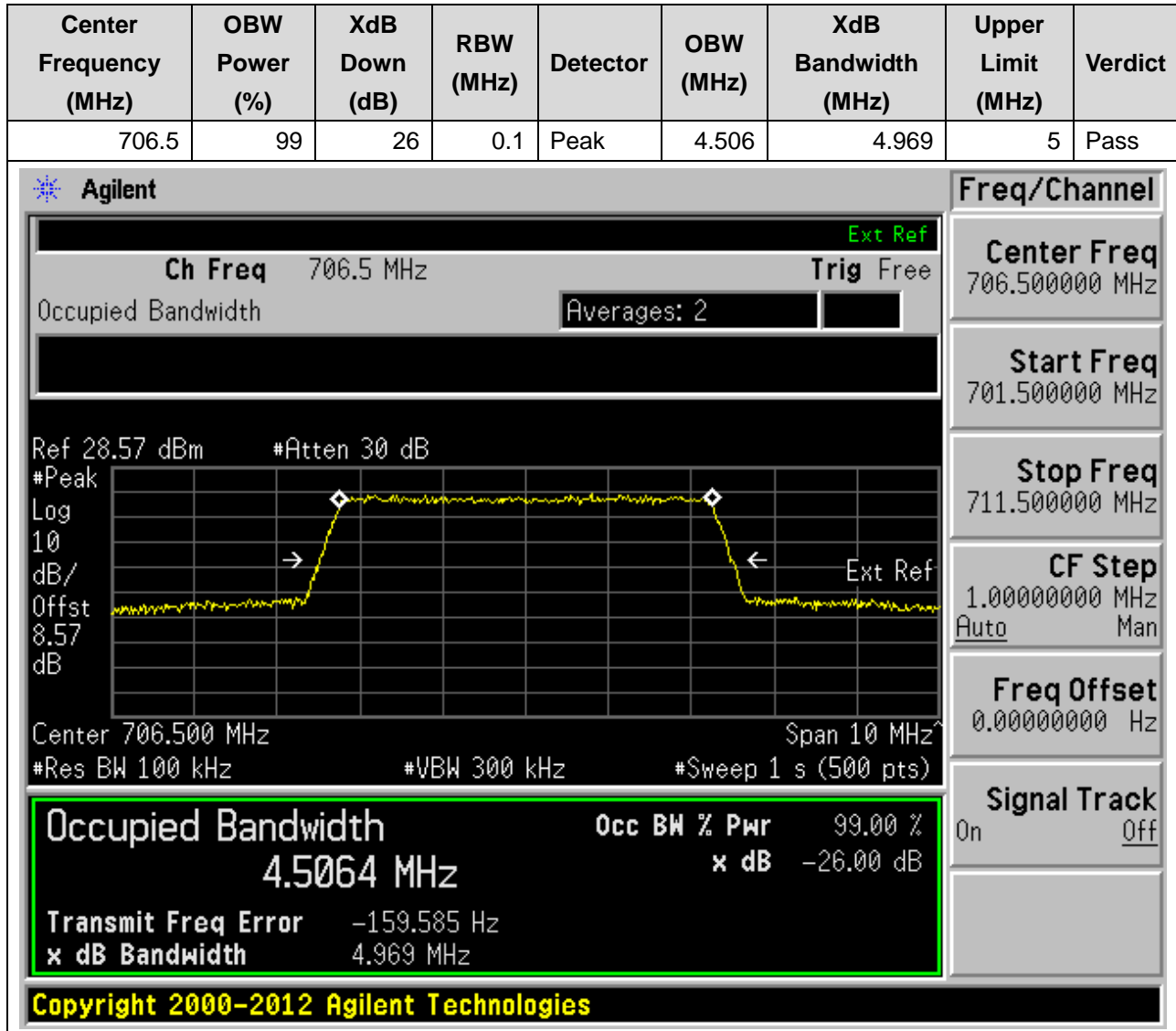
CF Step
2.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

11. LTE_Band17

11.1. LTE Occupied Bandwidth(NTNV)(Subtest:1, Channel:23755, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)



11.2. LTE Occupied Bandwidth(NTNV)(Subtest:2, Channel:23755, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
706.5	99	26	0.1	Peak	4.5	4.943	5	Pass

Agilent

Ch Freq 706.5 MHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 28.57 dBm #Atten 30 dB

Center 706.500 MHz Span 10 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

4.4998 MHz x dB -26.00 dB

Transmit Freq Error -3.408 kHz

x dB Bandwidth 4.943 MHz

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Freq/Channel

Center Freq
706.500000 MHz

Start Freq
701.500000 MHz

Stop Freq
711.500000 MHz

CF Step
1.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

11.3. LTE Occupied Bandwidth(NTNV)(Subtest:3, Channel:23790, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
710	99	26	0.1	Peak	4.495	4.947	5	Pass

Agilent

Ch Freq 710 MHz Ext Ref Trig Free

Occupied Bandwidth Averages: 2

Ref 28.57 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.57 dB

Center 710.000 MHz Span 10 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

4.4954 MHz x dB -26.00 dB

Transmit Freq Error -413.565 Hz

x dB Bandwidth 4.947 MHz

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Freq/Channel

Center Freq 710.000000 MHz

Start Freq 705.000000 MHz

Stop Freq 715.000000 MHz

CF Step 1.00000000 MHz

Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

11.4. LTE Occupied Bandwidth(NTNV)(Subtest:4, Channel:23790, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
710	99	26	0.1	Peak	4.504	4.971	5	Pass

Agilent

Ch Freq 710 MHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 28.57 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.57 dB

Center 710.000 MHz Span 10 MHz

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

Freq/Channel

Center Freq 710.000000 MHz

Start Freq 705.000000 MHz

Stop Freq 715.000000 MHz

CF Step 1.00000000 MHz
Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

4.5044 MHz

x dB -26.00 dB

Transmit Freq Error -4.505 kHz

x dB Bandwidth 4.971 MHz

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11.5. LTE Occupied Bandwidth(NTNV)(Subtest:5, Channel:23825, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
713.5	99	26	0.1	Peak	4.496	4.953	5	Pass

Agilent

Ch Freq 713.5 MHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 28.56 dBm #Atten 30 dB

Center 713.500 MHz Span 10 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

4.4961 MHz x dB -26.00 dB

Transmit Freq Error -3.898 kHz

x dB Bandwidth 4.953 MHz

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Freq/Channel

Center Freq
713.500000 MHz

Start Freq
708.500000 MHz

Stop Freq
718.500000 MHz

CF Step
1.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

11.6. LTE Occupied Bandwidth(NTNV)(Subtest:6, Channel:23825, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)



11.7. LTE Occupied Bandwidth(NTNV)(Subtest:7, Channel:23780, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
709	99	26	0.2	Peak	8.983	9.886	10	Pass

Agilent

Ch Freq 709 MHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 28.57 dBm #Atten 30 dB

Center 709.00 MHz Span 20 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

8.9835 MHz x dB -26.00 dB

Transmit Freq Error -2.035 kHz

x dB Bandwidth 9.886 MHz

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Freq/Channel

Center Freq
709.000000 MHz

Start Freq
699.000000 MHz

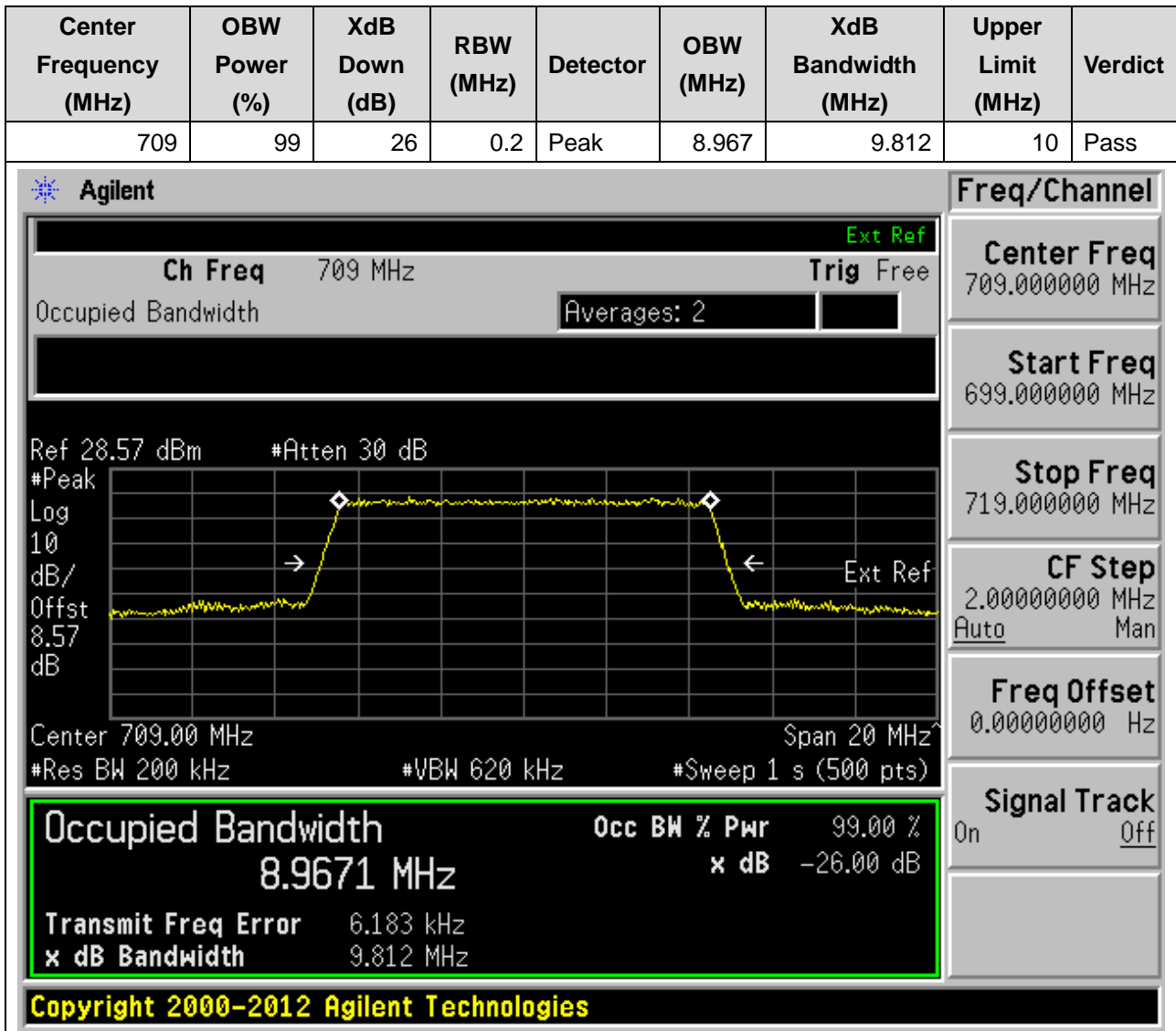
Stop Freq
719.000000 MHz

CF Step
2.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

11.8. LTE Occupied Bandwidth(NTNV)(Subtest:8, Channel:23780, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)



11.9. LTE Occupied Bandwidth(NTNV)(Subtest:9, Channel:23790, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
710	99	26	0.2	Peak	8.948	9.791	10	Pass

Agilent

Ch Freq 710 MHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 28.57 dBm #Atten 30 dB

Center 710.00 MHz Span 20 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

8.9483 MHz x dB -26.00 dB

Transmit Freq Error -8.305 kHz

x dB Bandwidth 9.791 MHz

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Freq/Channel

Center Freq
710.000000 MHz

Start Freq
700.000000 MHz

Stop Freq
720.000000 MHz

CF Step
2.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

11.10. LTE Occupied Bandwidth(NTNV)(Subtest:10, Channel:23790, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
710	99	26	0.2	Peak	8.951	9.81	10	Pass

Agilent

Ch Freq 710 MHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Occupied Bandwidth Occ BW % Pwr 99.00 %

8.9508 MHz x dB -26.00 dB

Transmit Freq Error -7.816 kHz

x dB Bandwidth 9.810 MHz

Freq/Channel

Center Freq 710.000000 MHz

Start Freq 700.000000 MHz

Stop Freq 720.000000 MHz

CF Step 2.00000000 MHz
Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

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11.11. LTE Occupied Bandwidth(NTNV)(Subtest:11, Channel:23800, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
711	99	26	0.2	Peak	8.952	9.815	10	Pass

Agilent

Ch Freq 711 MHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 28.57 dBm #Atten 30 dB

Center 711.00 MHz Span 20 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

8.9524 MHz x dB -26.00 dB

Transmit Freq Error -10.778 kHz

x dB Bandwidth 9.815 MHz

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Freq/Channel

Center Freq
711.000000 MHz

Start Freq
701.000000 MHz

Stop Freq
721.000000 MHz

CF Step
2.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

11.12. LTE Occupied Bandwidth(NTNV)(Subtest:12, Channel:23800, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
711	99	26	0.2	Peak	8.958	9.812	10	Pass

Agilent

Ch Freq 711 MHz Ext Ref
 Occupied Bandwidth Averages: 2
 Trig Free

Ref 28.57 dBm #Atten 30 dB
 #Peak Log 10 dB/Offst 8.57 dB
 Center 711.00 MHz Span 20 MHz
 #Res BW 200 kHz #VBW 620 kHz #Sweep 1 s (500 pts)

Occupied Bandwidth Occ BW % Pwr 99.00 %
 8.9576 MHz x dB -26.00 dB

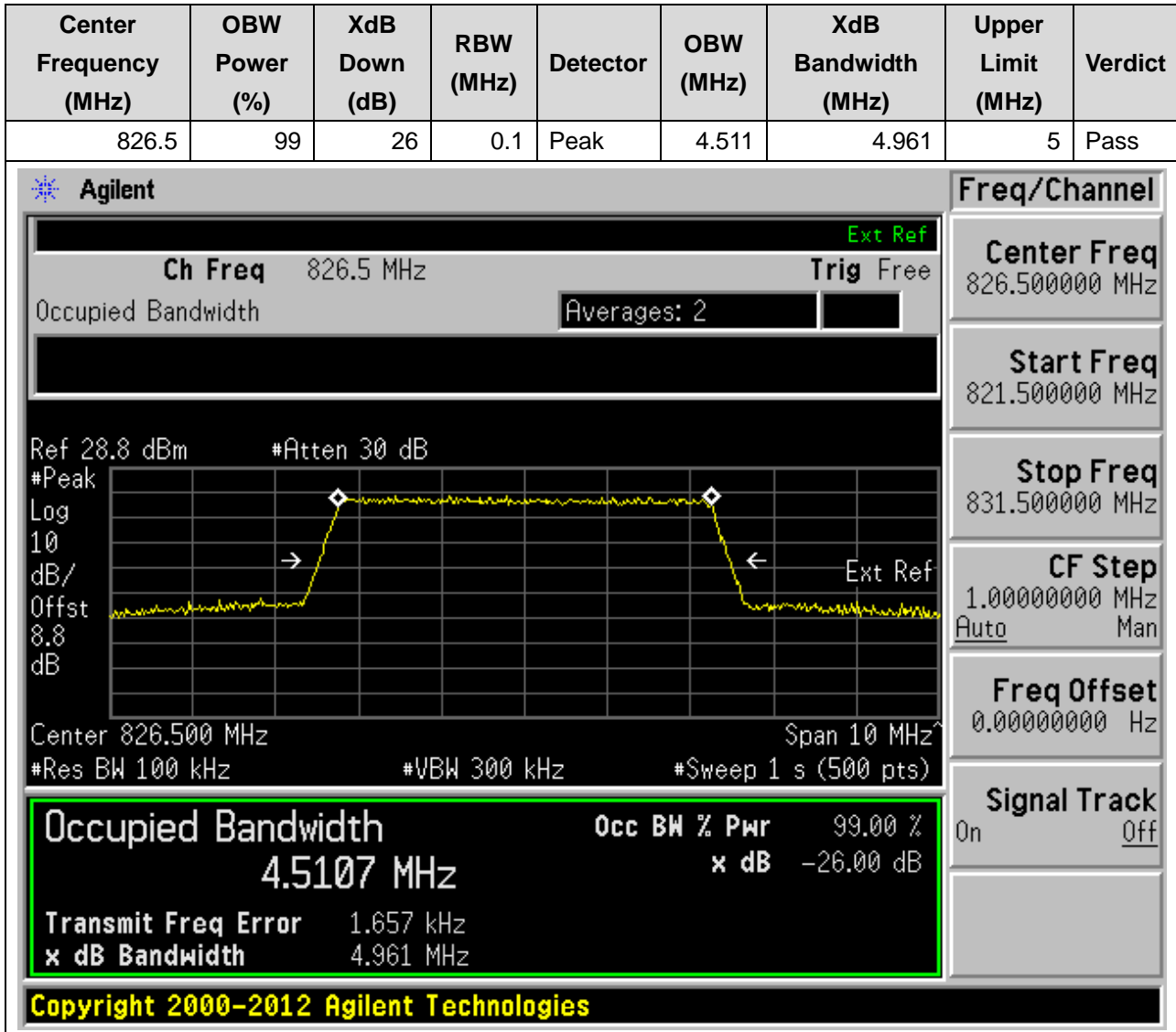
Transmit Freq Error -19.188 kHz
 x dB Bandwidth 9.812 MHz

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Freq/Channel
 Center Freq 711.000000 MHz
 Start Freq 701.000000 MHz
 Stop Freq 721.000000 MHz
 CF Step 2.00000000 MHz
 Auto Man
 Freq Offset 0.00000000 Hz
 Signal Track On Off

12. LTE_Band18(824-830MHz)

12.1. LTE Occupied Bandwidth(NTNV)(Subtest:1, Channel:23965, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)



12.2. LTE Occupied Bandwidth(NTNV)(Subtest:2, Channel:23965, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
826.5	99	26	0.1	Peak	4.513	4.956	5	Pass

Agilent

Ch Freq 826.5 MHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 28.8 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.8 dB

Center 826.500 MHz Span 10 MHz

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

Freq/Channel

Center Freq
826.500000 MHz

Start Freq
821.500000 MHz

Stop Freq
831.500000 MHz

CF Step
1.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

4.5131 MHz

x dB -26.00 dB

Transmit Freq Error -6.373 kHz

x dB Bandwidth 4.956 MHz

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12.3. LTE Occupied Bandwidth(NTNV)(Subtest:3, Channel:23970, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
827	99	26	0.1	Peak	4.508	4.952	5	Pass

Agilent

Ch Freq 827 MHz Ext Ref

Occupied Bandwidth Averages: 2

Ref 28.8 dBm #Atten 30 dB

Center 827.000 MHz Span 10 MHz

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

Freq/Channel

Center Freq
827.000000 MHz

Start Freq
822.000000 MHz

Stop Freq
832.000000 MHz

CF Step
1.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

4.5078 MHz x dB -26.00 dB

Transmit Freq Error -3.783 kHz

x dB Bandwidth 4.952 MHz

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12.4. LTE Occupied Bandwidth(NTNV)(Subtest:4, Channel:23970, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)



12.5. LTE Occupied Bandwidth(NTNV)(Subtest:5, Channel:23975, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
827.5	99	26	0.1	Peak	4.499	4.94	5	Pass

Agilent

Ch Freq 827.5 MHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 28.81 dBm #Atten 30 dB

Center 827.500 MHz Span 10 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

4.4986 MHz x dB -26.00 dB

Transmit Freq Error -5.742 kHz

x dB Bandwidth 4.940 MHz

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Freq/Channel

Center Freq
827.500000 MHz

Start Freq
822.500000 MHz

Stop Freq
832.500000 MHz

CF Step
1.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

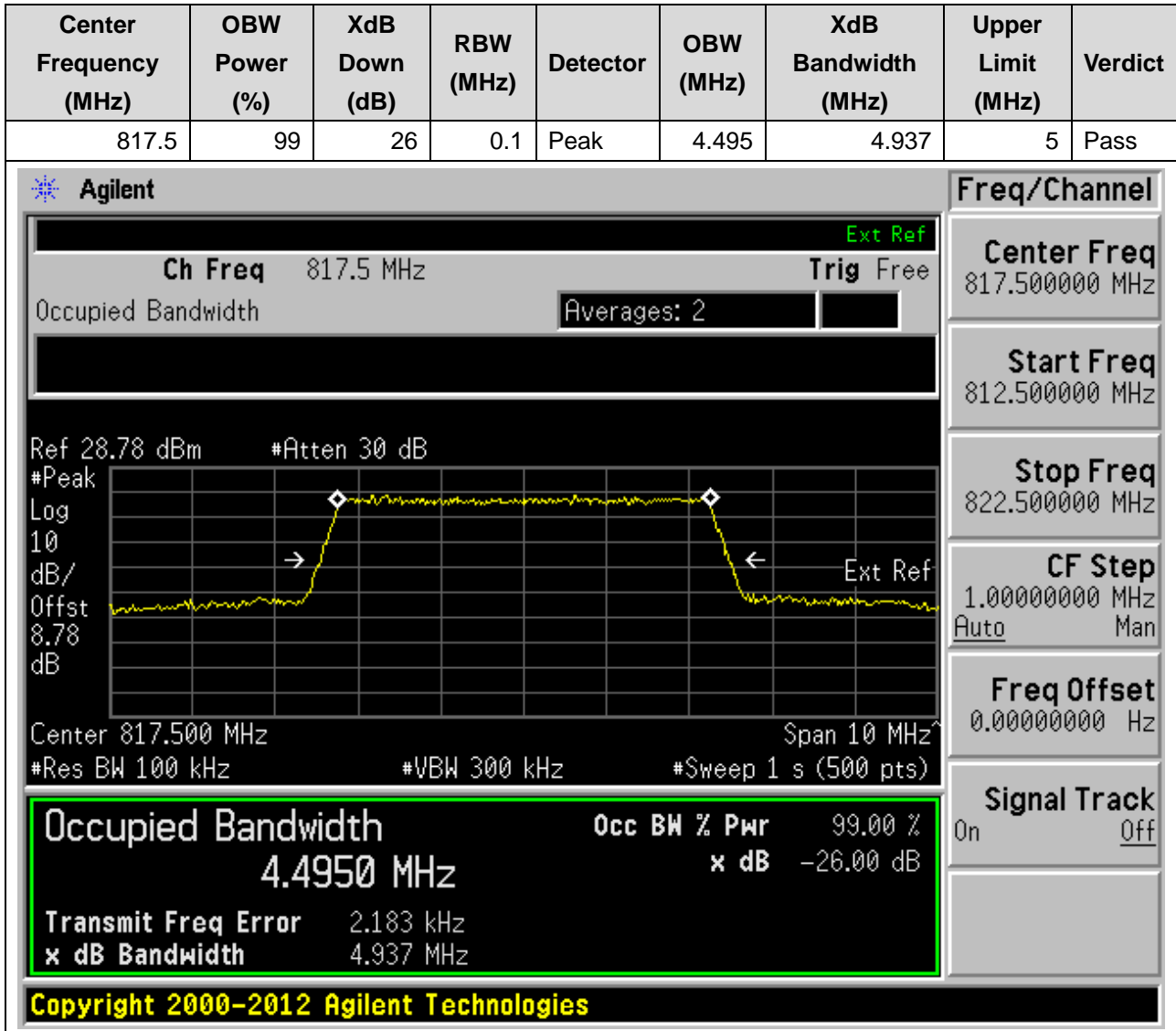
Signal Track
On Off

12.6. LTE Occupied Bandwidth(NTNV)(Subtest:6, Channel:23975, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)



13. LTE_Band18(815-824MHz)

13.1. LTE Occupied Bandwidth(NTNV)(Subtest:1, Channel:23875, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)



13.2. LTE Occupied Bandwidth(NTNV)(Subtest:2, Channel:23875, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)



13.3. LTE Occupied Bandwidth(NTNV)(Subtest:3, Channel:23895, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
819.5	99	26	0.1	Peak	4.516	4.982	5	Pass

Agilent

Ch Freq 819.5 MHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 28.79 dBm #Atten 30 dB

Center 819.500 MHz Span 10 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

4.5156 MHz x dB -26.00 dB

Transmit Freq Error 2.227 kHz

x dB Bandwidth 4.982 MHz

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Freq/Channel

Center Freq
819.500000 MHz

Start Freq
814.500000 MHz

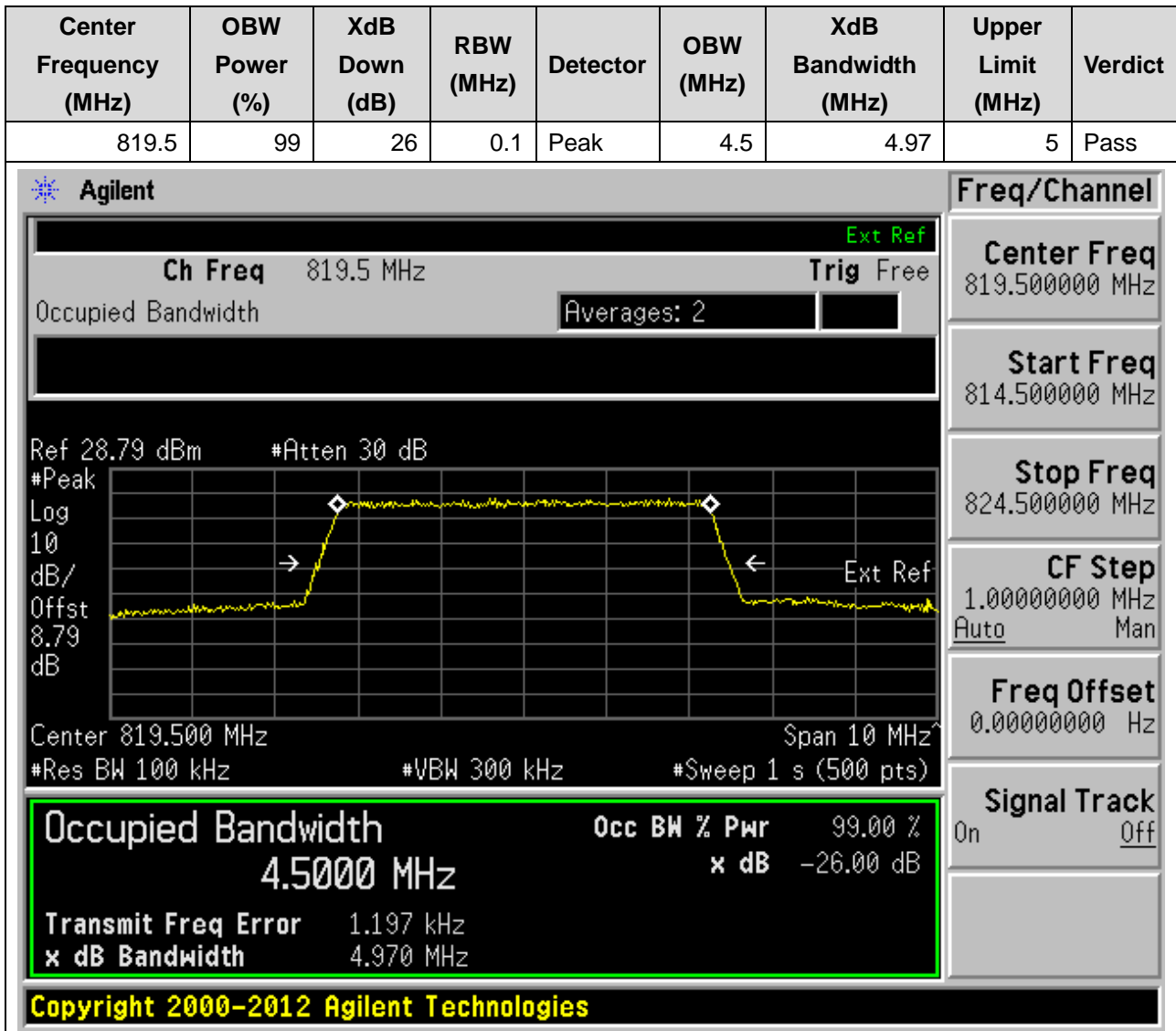
Stop Freq
824.500000 MHz

CF Step
1.00000000 MHz
Auto Man

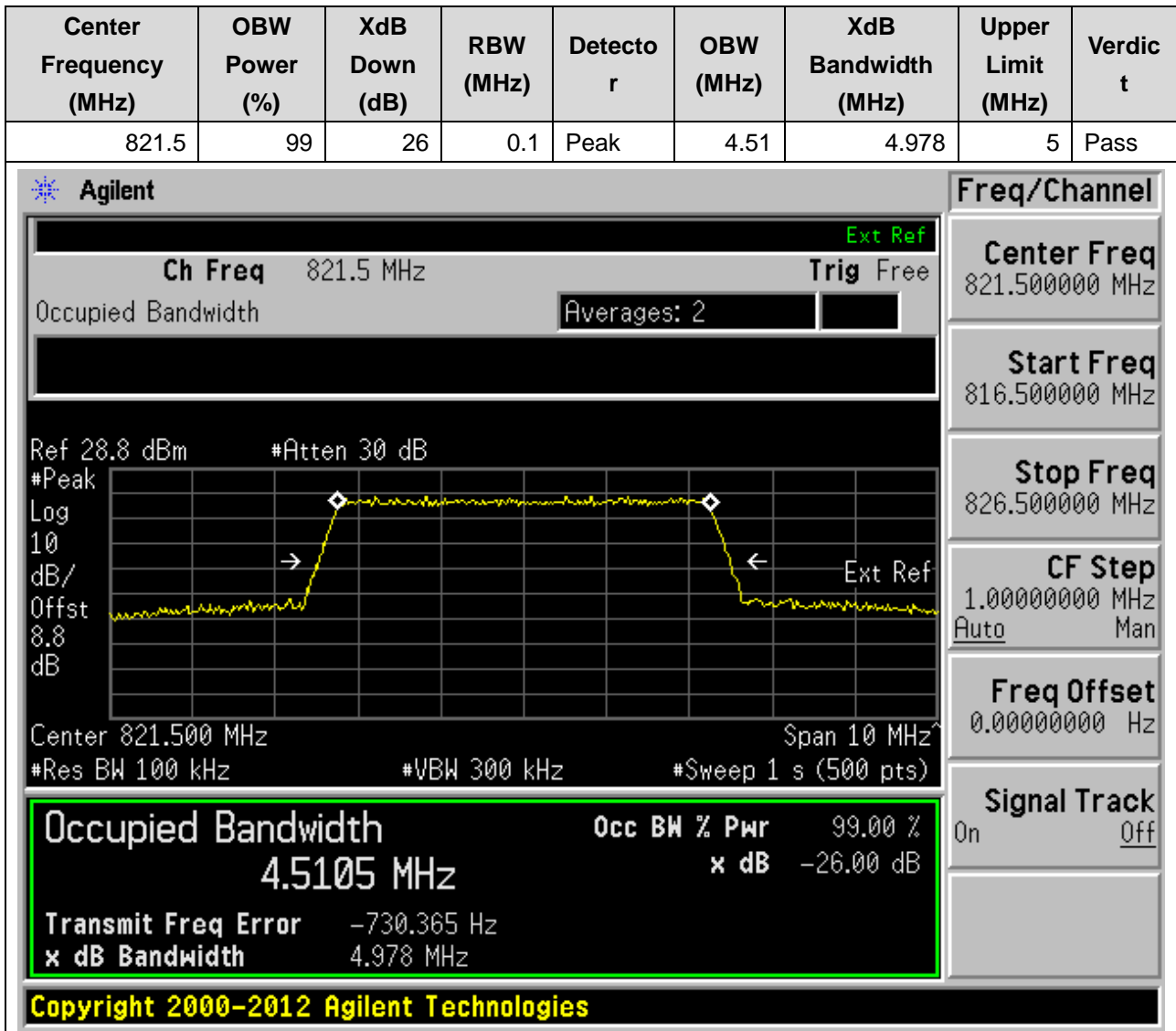
Freq Offset
0.00000000 Hz

Signal Track
On Off

13.4. LTE Occupied Bandwidth(NTNV)(Subtest:4, Channel:23895, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)



13.5. LTE Occupied Bandwidth(NTNV)(Subtest:5, Channel:23915, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)



13.6. LTE Occupied Bandwidth(NTNV)(Subtest:6, Channel:23915, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
821.5	99	26	0.1	Peak	4.503	4.989	5	Pass

Agilent

Ch Freq 821.5 MHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 28.8 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.8 dB

Center 821.500 MHz Span 10 MHz

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

Freq/Channel

Center Freq
821.500000 MHz

Start Freq
816.500000 MHz

Stop Freq
826.500000 MHz

CF Step
1.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

4.5033 MHz

x dB -26.00 dB

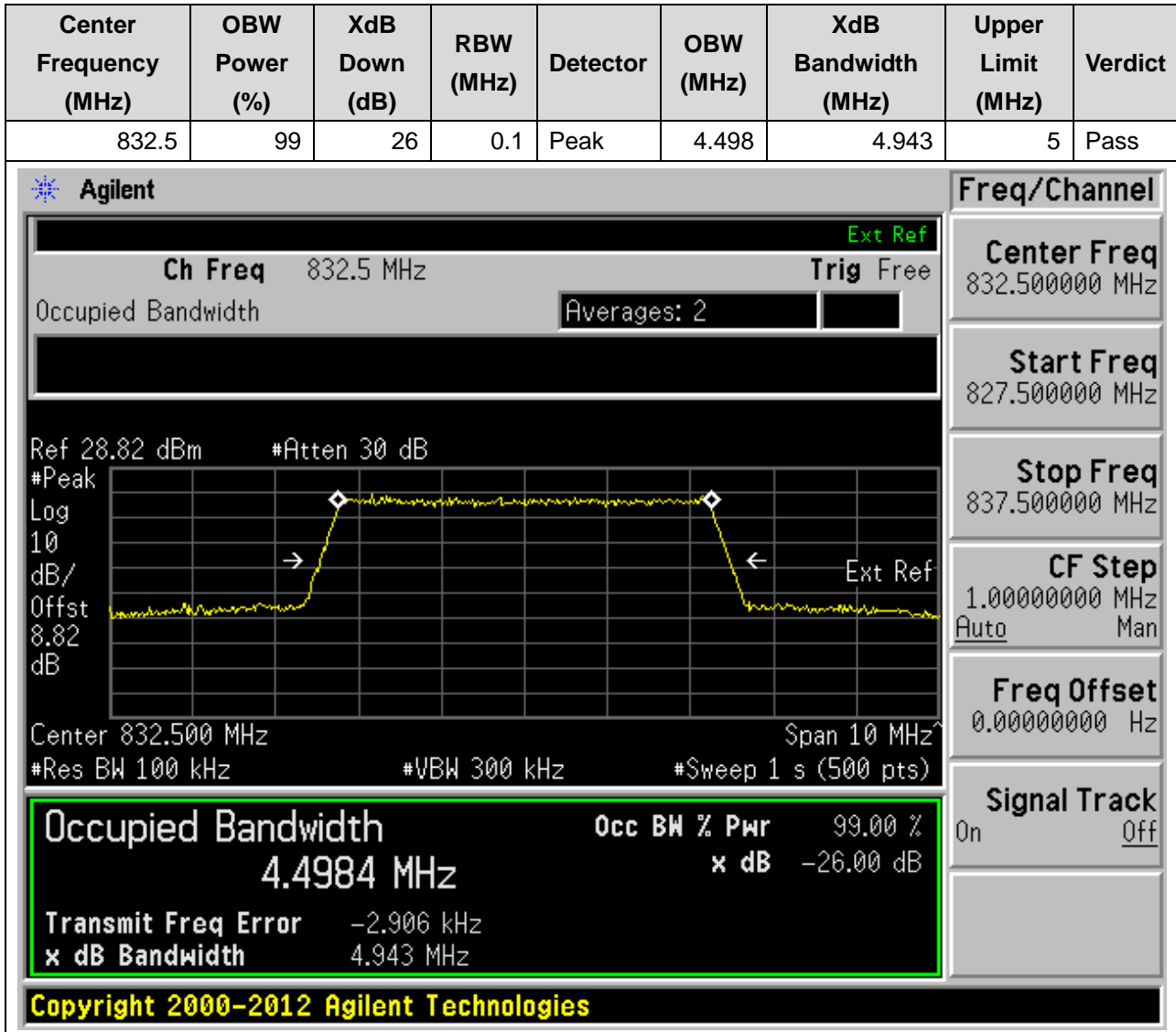
Transmit Freq Error 73.149 Hz

x dB Bandwidth 4.989 MHz

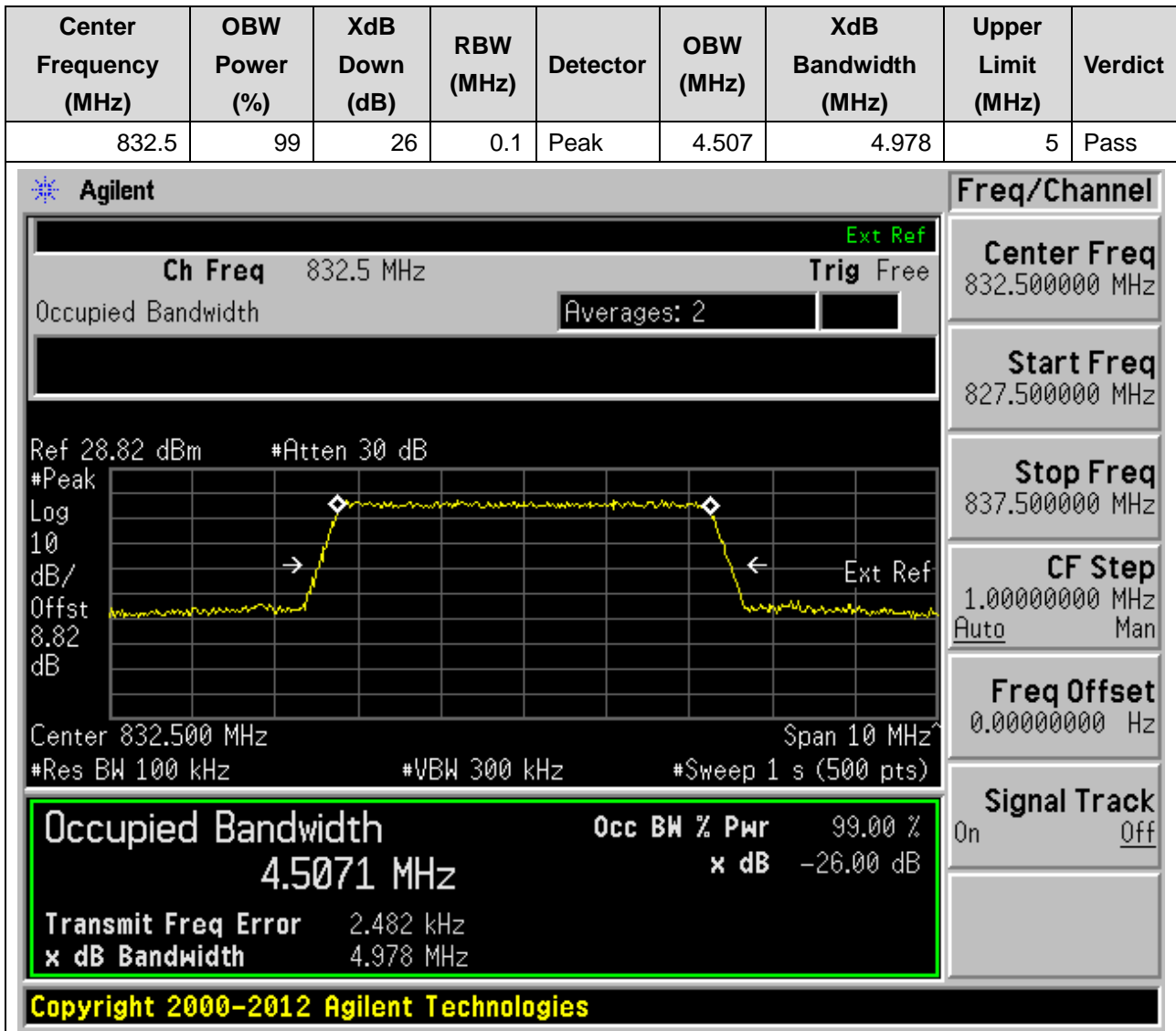
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14. LTE_Band19

14.1. LTE Occupied Bandwidth(NTNV)(Subtest:1, Channel:24025, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)



14.2. LTE Occupied Bandwidth(NTNV)(Subtest:2, Channel:24025, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)



14.3. LTE Occupied Bandwidth(NTNV)(Subtest:3, Channel:24075, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
837.5	99	26	0.1	Peak	4.512	4.975	5	Pass

Agilent

Ch Freq 837.5 MHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 28.83 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.84 dB

Center 837.500 MHz Span 10 MHz

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

Freq/Channel

Center Freq
837.500000 MHz

Start Freq
832.500000 MHz

Stop Freq
842.500000 MHz

CF Step
1.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

4.5119 MHz x dB -26.00 dB

Transmit Freq Error -1.108 kHz

x dB Bandwidth 4.975 MHz

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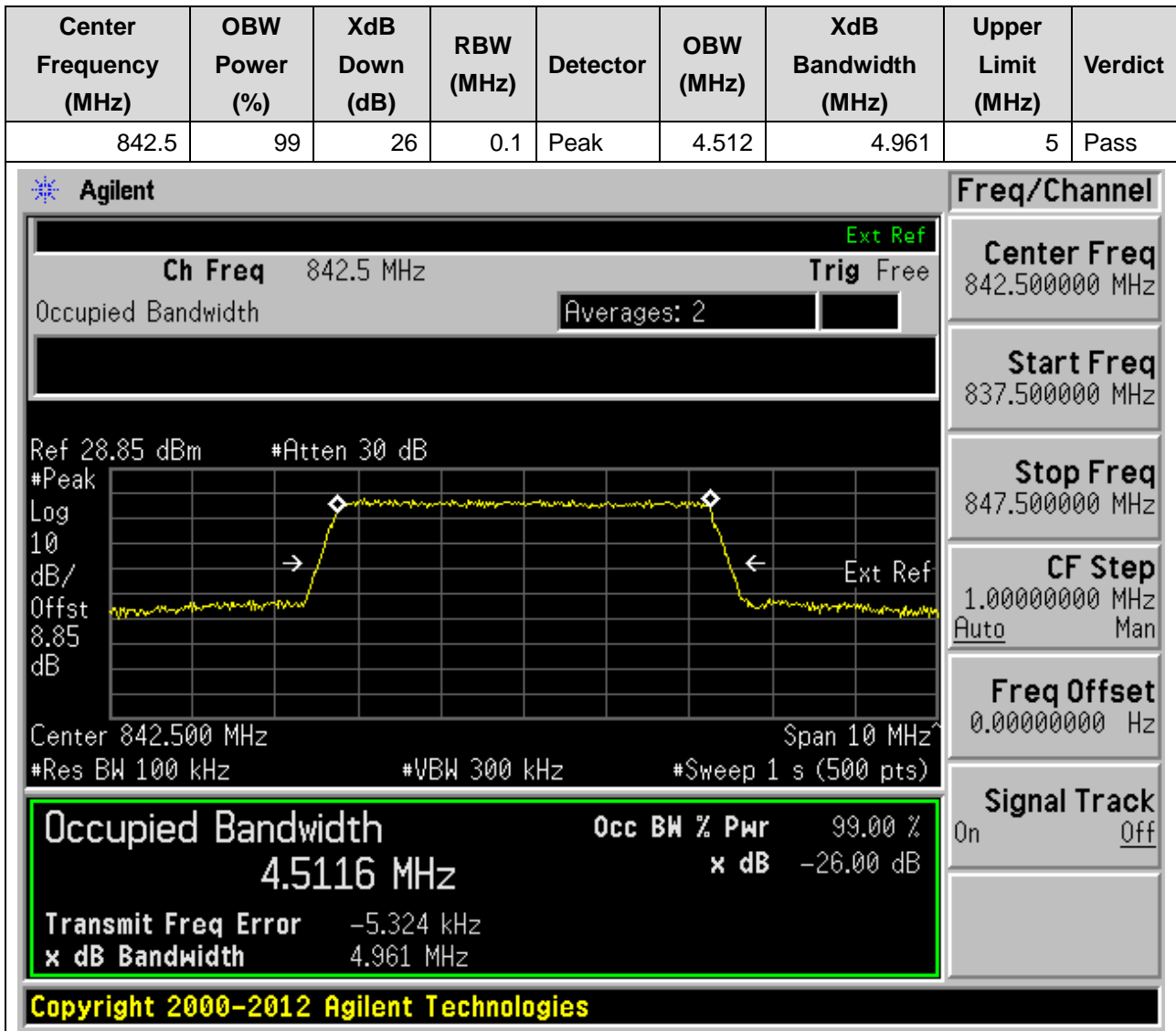
14.4. LTE Occupied Bandwidth(NTNV)(Subtest:4, Channel:24075, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)



14.5. LTE Occupied Bandwidth(NTNV)(Subtest:5, Channel:24125, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)



14.6. LTE Occupied Bandwidth(NTNV)(Subtest:6, Channel:24125, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)



14.7. LTE Occupied Bandwidth(NTNV)(Subtest:7, Channel:24050, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
835	99	26	0.2	Peak	8.975	9.884	10	Pass

Agilent

Ch Freq 835 MHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 28.83 dBm #Atten 30 dB

Center 835.00 MHz Span 20 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

8.9746 MHz x dB -26.00 dB

Transmit Freq Error -3.241 kHz

x dB Bandwidth 9.884 MHz

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Freq/Channel

Center Freq
835.000000 MHz

Start Freq
825.000000 MHz

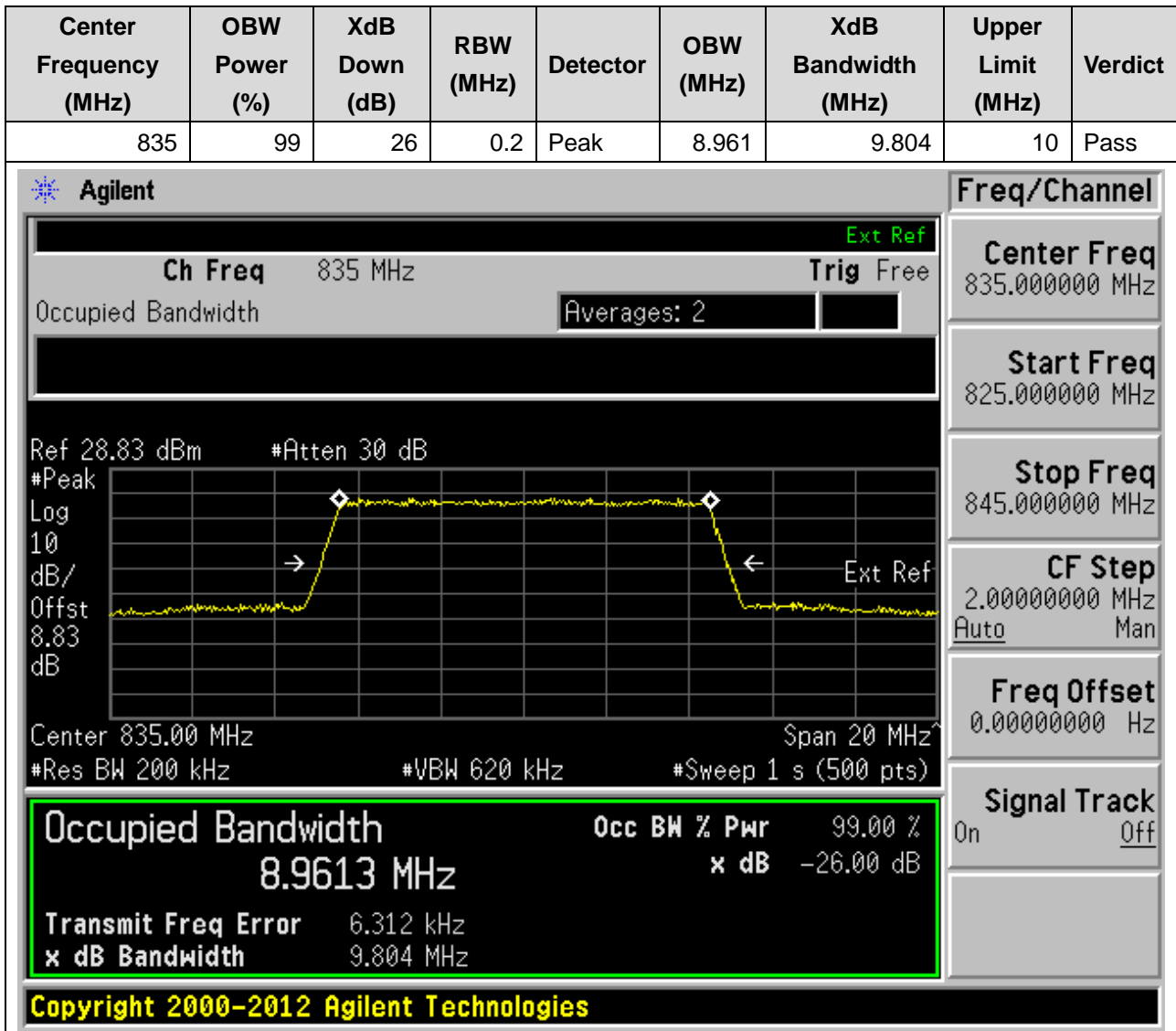
Stop Freq
845.000000 MHz

CF Step
2.00000000 MHz
Auto Man

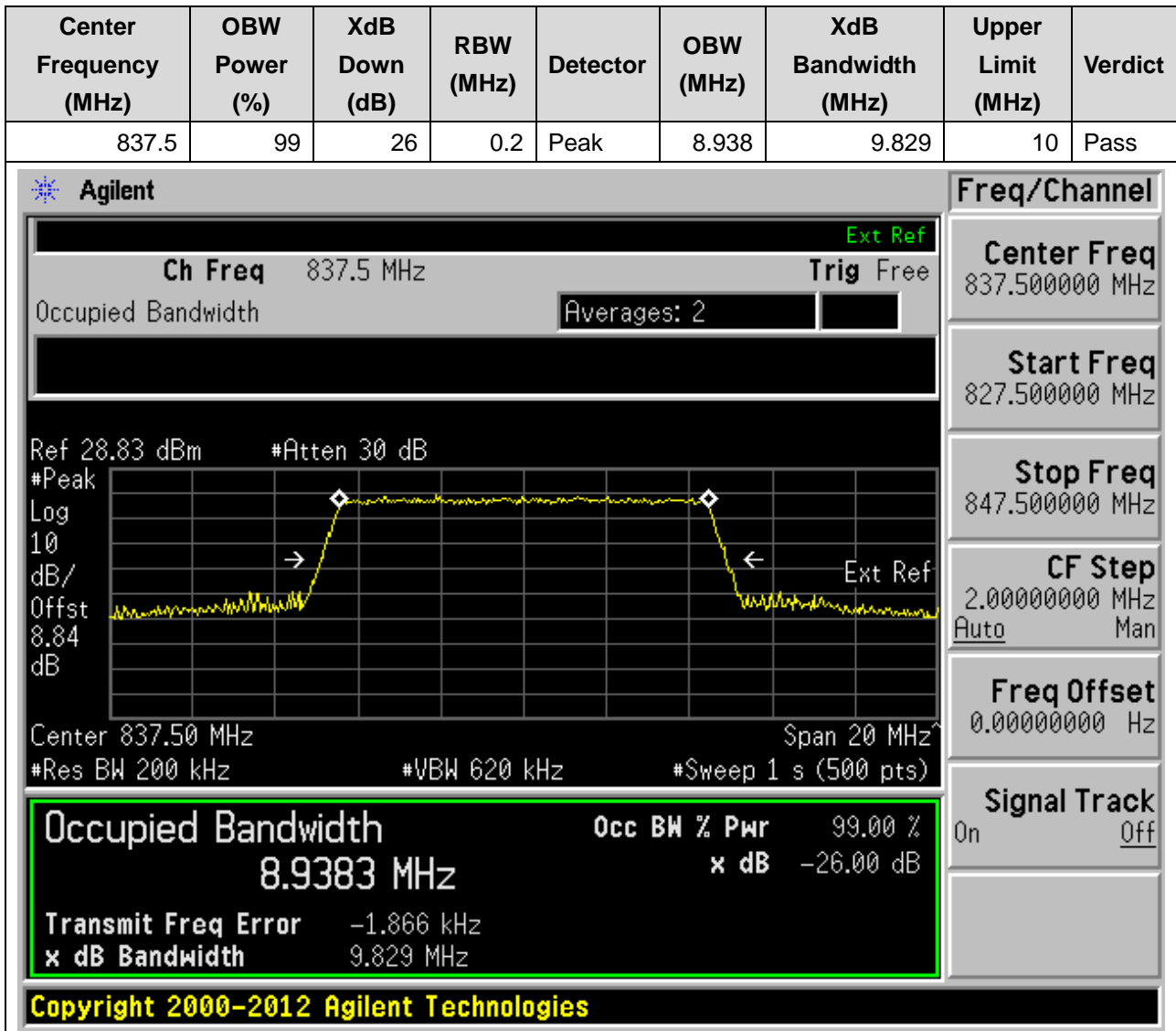
Freq Offset
0.00000000 Hz

Signal Track
On Off

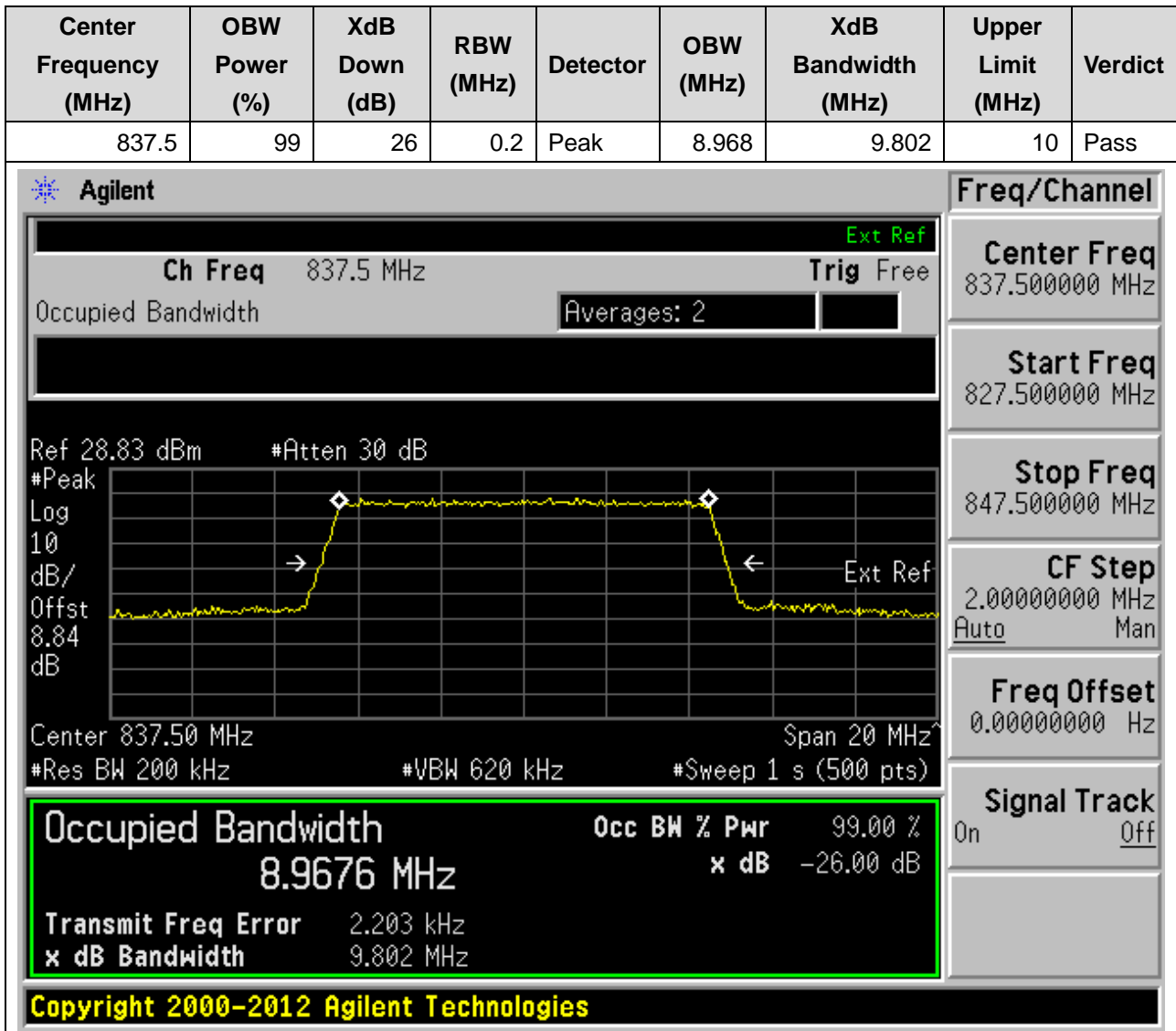
14.8. LTE Occupied Bandwidth(NTNV)(Subtest:8, Channel:24050, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)



14.9. LTE Occupied Bandwidth(NTNV)(Subtest:9, Channel:24075, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)



14.10. LTE Occupied Bandwidth(NTNV)(Subtest:10, Channel:24075, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)



14.11. LTE Occupied Bandwidth(NTNV)(Subtest:11, Channel:24100, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
840	99	26	0.2	Peak	8.963	9.836	10	Pass

Agilent

Ch Freq 840 MHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 28.84 dBm #Atten 30 dB

Center 840.00 MHz Span 20 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

8.9633 MHz x dB -26.00 dB

Transmit Freq Error -14.811 kHz

x dB Bandwidth 9.836 MHz

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Freq/Channel

Center Freq 840.000000 MHz

Start Freq 830.000000 MHz

Stop Freq 850.000000 MHz

CF Step 2.00000000 MHz

Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

14.12. LTE Occupied Bandwidth(NTNV)(Subtest:12, Channel:24100, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
840	99	26	0.2	Peak	8.956	9.841	10	Pass

Agilent

Ch Freq 840 MHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 28.84 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.84 dB

Center 840.00 MHz Span 20 MHz

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

Freq/Channel

Center Freq 840.000000 MHz

Start Freq 830.000000 MHz

Stop Freq 850.000000 MHz

CF Step 2.00000000 MHz
Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

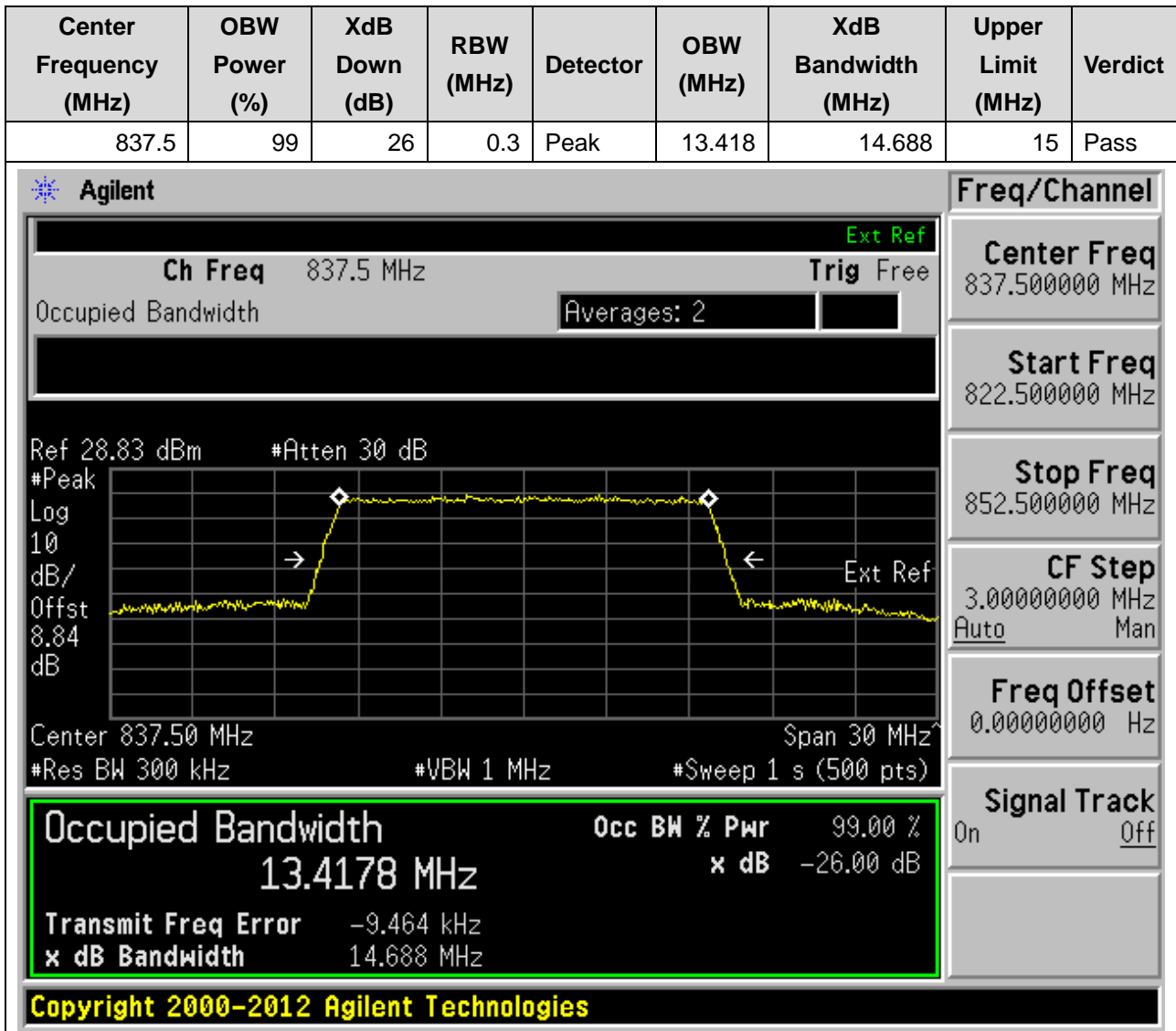
8.9563 MHz x dB -26.00 dB

Transmit Freq Error -14.628 kHz

x dB Bandwidth 9.841 MHz

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14.13. LTE Occupied Bandwidth(NTNV)(Subtest:13, Channel:24075, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)



14.14. LTE Occupied Bandwidth(NTNV)(Subtest:14, Channel:24075, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
837.5	99	26	0.3	Peak	13.449	14.642	15	Pass

Agilent

Ch Freq 837.5 MHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 28.83 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.84 dB

Center 837.50 MHz Span 30 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

13.4488 MHz x dB -26.00 dB

Transmit Freq Error -6.895 kHz

x dB Bandwidth 14.642 MHz

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Freq/Channel

Center Freq
837.500000 MHz

Start Freq
822.500000 MHz

Stop Freq
852.500000 MHz

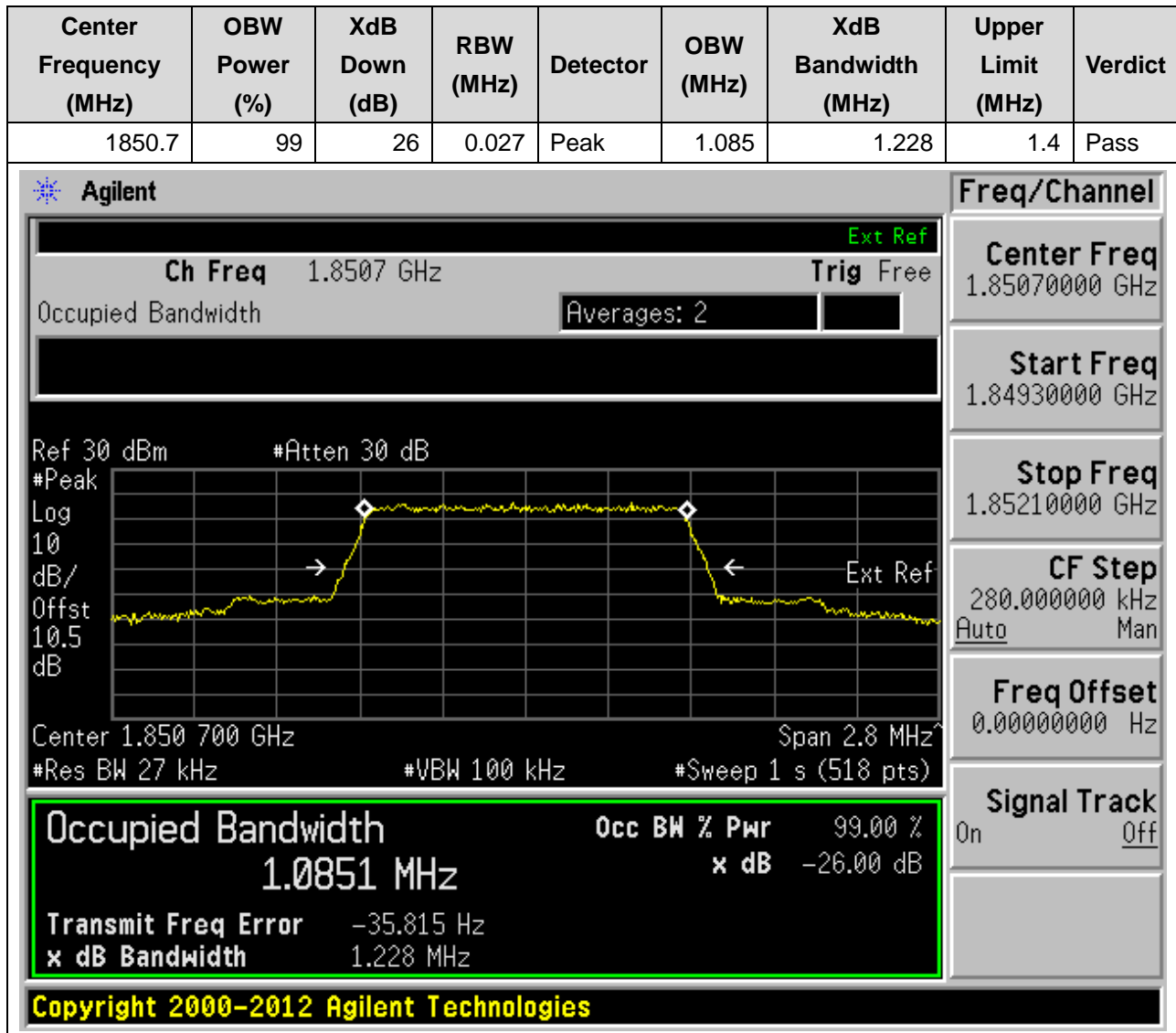
CF Step
3.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

15. LTE_Band25

15.1. LTE Occupied Bandwidth(NTNV)(Subtest:1, Channel:26047, Bandwidth:1.4, Modulation:QPSK, RB Number: 6, RB Position:LOW)



15.2. LTE Occupied Bandwidth(NTNV)(Subtest:2, Channel:26047, Bandwidth:1.4, Modulation:Q16, RB Number: 6, RB Position:LOW)



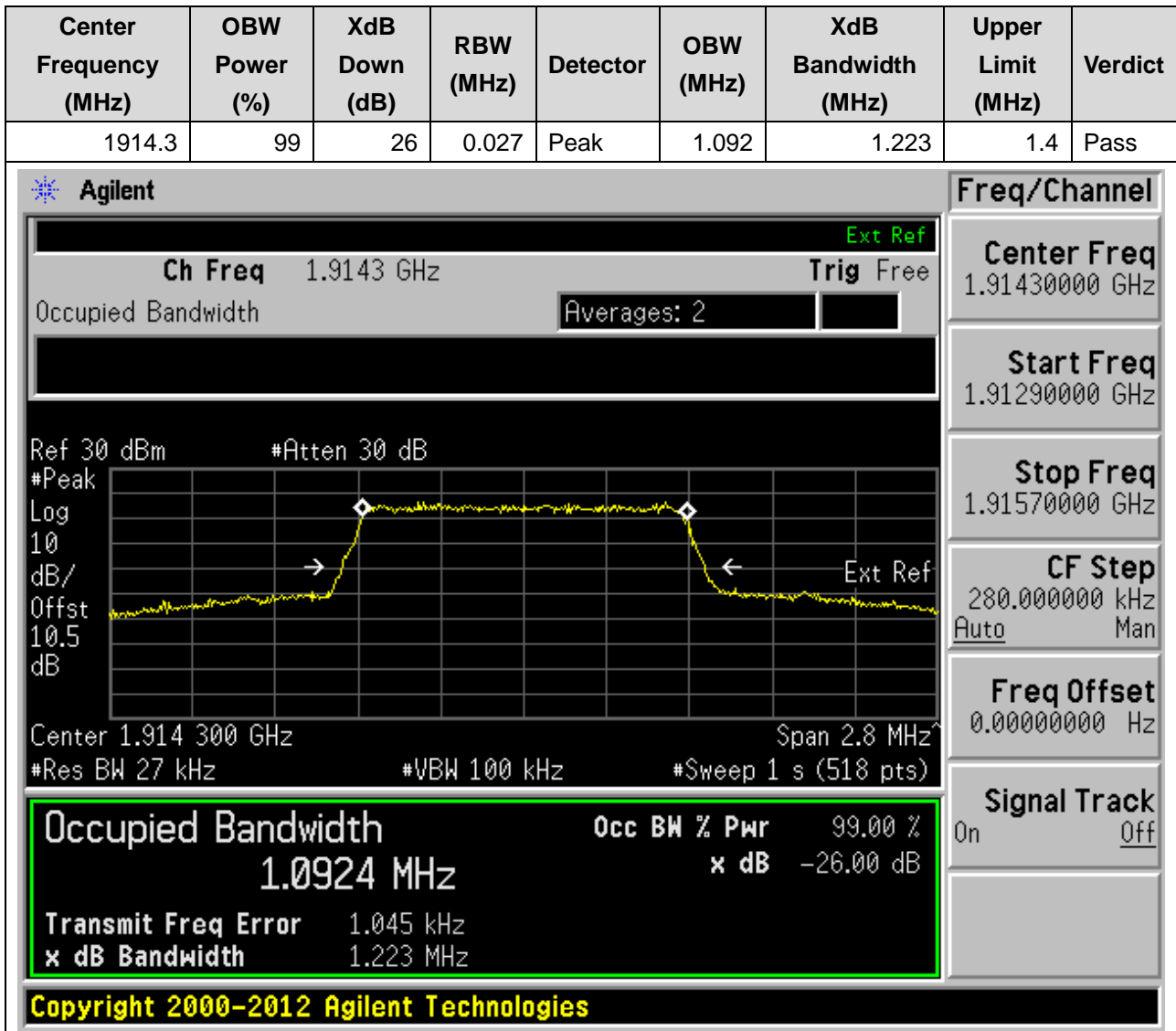
15.3. LTE Occupied Bandwidth(NTNV)(Subtest:3, Channel:26365, Bandwidth:1.4, Modulation:QPSK, RB Number: 6, RB Position:LOW)



15.4. LTE Occupied Bandwidth(NTNV)(Subtest:4, Channel:26365, Bandwidth:1.4, Modulation:Q16, RB Number: 6, RB Position:LOW)



15.5. LTE Occupied Bandwidth(NTNV)(Subtest:5, Channel:26683, Bandwidth:1.4, Modulation:QPSK, RB Number: 6, RB Position:LOW)



15.6. LTE Occupied Bandwidth(NTNV)(Subtest:6, Channel:26683, Bandwidth:1.4, Modulation:Q16, RB Number: 6, RB Position:LOW)



15.7. LTE Occupied Bandwidth(NTNV)(Subtest:7, Channel:26055, Bandwidth:3, Modulation:QPSK, RB Number: 15, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1851.5	99	26	0.062	Peak	2.699	2.995	3	Pass

Agilent

Ch Freq 1.8515 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.5 dB

Center 1.851 500 GHz Span 6 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

2.6989 MHz x dB -26.00 dB

Transmit Freq Error 1.530 kHz

x dB Bandwidth 2.995 MHz

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Freq/Channel

Center Freq
1.85150000 GHz

Start Freq
1.84850000 GHz

Stop Freq
1.85450000 GHz

CF Step
600.000000 kHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

15.8. LTE Occupied Bandwidth(NTNV)(Subtest:8, Channel:26055, Bandwidth:3, Modulation:Q16, RB Number: 15, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1851.5	99	26	0.062	Peak	2.7	2.998	3	Pass

Agilent
Freq/Channel

Ch Freq 1.8515 GHz
Ext Ref

Occupied Bandwidth
Averages: 2

Trig Free

Occupied Bandwidth	Occ BW % Pwr	99.00 %
2.7003 MHz	x dB	-26.00 dB
Transmit Freq Error	1.623 kHz	
x dB Bandwidth	2.998 MHz	

Start Freq	1.84850000 GHz
Stop Freq	1.85450000 GHz
CF Step	600.000000 kHz Auto Man
Freq Offset	0.00000000 Hz
Signal Track	On Off

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15.9. LTE Occupied Bandwidth(NTNV)(Subtest:9, Channel:26365, Bandwidth:3, Modulation:QPSK, RB Number: 15, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1882.5	99	26	0.062	Peak	2.704	3.008	3	Pass

Agilent
Freq/Channel

Ch Freq 1.8825 GHz
Ext Ref

Occupied Bandwidth
Trig Free

Averages: 2

Occupied Bandwidth	Occ BW % Pwr	99.00 %
2.7044 MHz	x dB	-26.00 dB
Transmit Freq Error	221.300 Hz	
x dB Bandwidth	3.008 MHz	

Start Freq	1.87950000 GHz
Stop Freq	1.88550000 GHz
CF Step	600.000000 kHz
	Auto Man
Freq Offset	0.00000000 Hz
Signal Track	On Off

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15.10. LTE Occupied Bandwidth(NTNV)(Subtest:10, Channel:26365, Bandwidth:3, Modulation:Q16, RB Number: 15, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1882.5	99	26	0.062	Peak	2.702	3.01	3	Pass

Agilent
Freq/Channel

Ch Freq 1.8825 GHz
Ext Ref

Occupied Bandwidth
Trig Free

Averages: 2

Ref 30 dB #Atten 30 dB Center 1.882 500 GHz Span 6 MHz
#Res BW 62 kHz #VBW 200 kHz #Sweep 1 s (483 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
2.7016 MHz	x dB	-26.00 dB
Transmit Freq Error	2.752 kHz	
x dB Bandwidth	3.010 MHz	

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Center Freq
1.88250000 GHz

Start Freq
1.87950000 GHz

Stop Freq
1.88550000 GHz

CF Step
600.000000 kHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

15.11. LTE Occupied Bandwidth(NTNV)(Subtest:11, Channel:26675, Bandwidth:3, Modulation:QPSK, RB Number: 15, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1913.5	99	26	0.062	Peak	2.706	3.008	3	Pass

Agilent

Ch Freq 1.9135 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 30 dB #Atten 30 dB

Center 1.913 500 GHz Span 6 MHz

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

Freq/Channel

Center Freq
1.91350000 GHz

Start Freq
1.91050000 GHz

Stop Freq
1.91650000 GHz

CF Step
600.000000 kHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

2.7059 MHz

x dB -26.00 dB

Transmit Freq Error 2.154 kHz

x dB Bandwidth 3.008 MHz

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15.12. LTE Occupied Bandwidth(NTNV)(Subtest:12, Channel:26675, Bandwidth:3, Modulation:Q16, RB Number: 15, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1913.5	99	26	0.062	Peak	2.695	3.019	3	Pass

Agilent
Freq/Channel

Ch Freq 1.9135 GHz
Ext Ref

Occupied Bandwidth
Trig Free

Averages: 2

Occupied Bandwidth	Occ BW % Pwr	99.00 %
2.6948 MHz	x dB	-26.00 dB
Transmit Freq Error	1.470 kHz	
x dB Bandwidth	3.019 MHz	

Signal Track	On <u>Off</u>
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15.13. LTE Occupied Bandwidth(NTNV)(Subtest:13, Channel:26065, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)

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	4.517	4.962	5	Pass

Agilent

Ch Freq 1.8525 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 30 dBm #Atten 30 dB

Center 1.852 500 GHz Span 10 MHz

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

Freq/Channel

Center Freq
1.85250000 GHz

Start Freq
1.84750000 GHz

Stop Freq
1.85750000 GHz

CF Step
1.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

4.5168 MHz x dB -26.00 dB

Transmit Freq Error -2.866 kHz

x dB Bandwidth 4.962 MHz

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15.14. LTE Occupied Bandwidth(NTNV)(Subtest:14, Channel:26065, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)

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	4.496	4.951	5	Pass

Agilent

Ch Freq 1.8525 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 30 dBm #Atten 30 dB

Center 1.852 500 GHz Span 10 MHz

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

Freq/Channel

Center Freq
1.85250000 GHz

Start Freq
1.84750000 GHz

Stop Freq
1.85750000 GHz

CF Step
1.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

4.4957 MHz x dB -26.00 dB

Transmit Freq Error -9.127 kHz

x dB Bandwidth 4.951 MHz

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15.15. LTE Occupied Bandwidth(NTNV)(Subtest:15, Channel:26365, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1882.5	99	26	0.1	Peak	4.511	4.963	5	Pass

Agilent
Freq/Channel

Ch Freq 1.8825 GHz
Ext Ref

Occupied Bandwidth
Trig Free

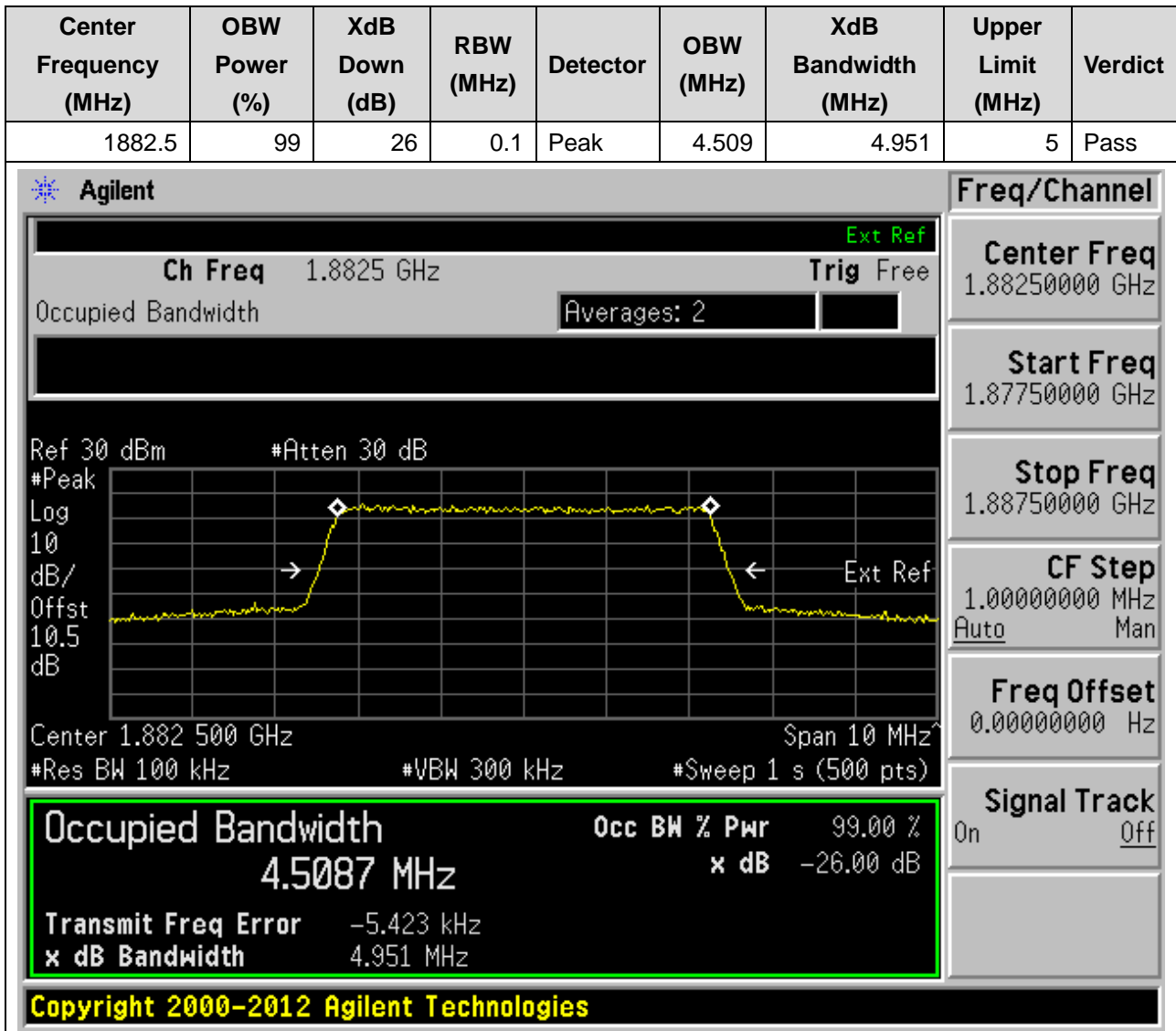
Averages: 2

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.5108 MHz	x dB	-26.00 dB
Transmit Freq Error	-6.671 kHz	
x dB Bandwidth	4.963 MHz	

Freq Offset	0.00000000 Hz
CF Step	1.00000000 MHz
	Auto Man
Signal Track	On Off

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15.16. LTE Occupied Bandwidth(NTNV)(Subtest:16, Channel:26365, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)



15.17. LTE Occupied Bandwidth(NTNV)(Subtest:17, Channel:26665, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1912.5	99	26	0.1	Peak	4.496	4.953	5	Pass

Agilent

Ch Freq 1.9125 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 30 dB #Atten 30 dB

Center 1.912 500 GHz Span 10 MHz

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

Freq/Channel

Center Freq
1.91250000 GHz

Start Freq
1.90750000 GHz

Stop Freq
1.91750000 GHz

CF Step
1.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

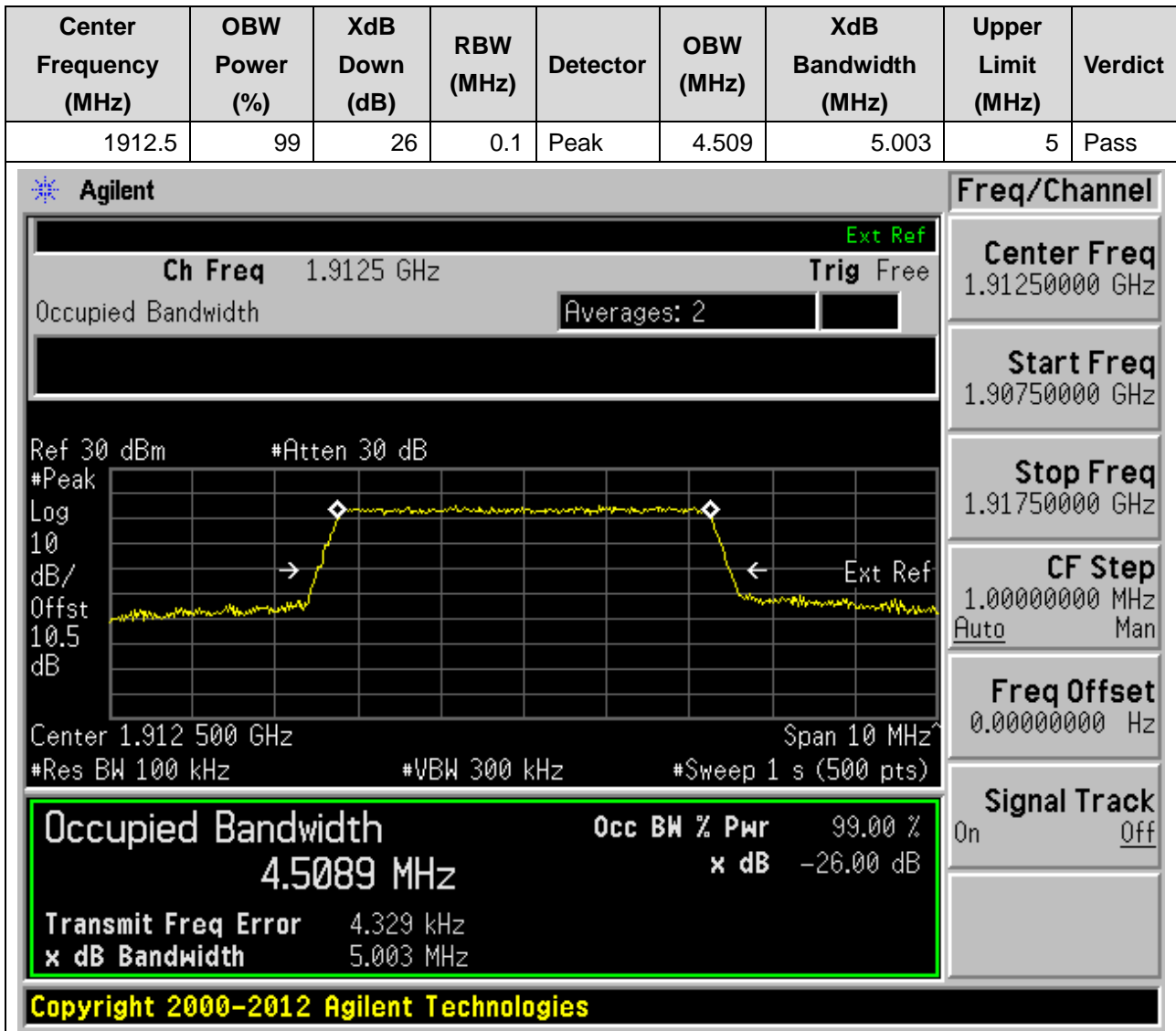
4.4955 MHz x dB -26.00 dB

Transmit Freq Error -490.394 Hz

x dB Bandwidth 4.953 MHz

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15.18. LTE Occupied Bandwidth(NTNV)(Subtest:18, Channel:26665, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)



15.19. LTE Occupied Bandwidth(NTNV)(Subtest:19, Channel:26090, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1855	99	26	0.2	Peak	8.989	9.866	10	Pass

Agilent

Ch Freq 1.855 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 30 dBm #Atten 30 dB

Center 1.855 00 GHz Span 20 MHz

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

Freq/Channel

Center Freq
1.85500000 GHz

Start Freq
1.84500000 GHz

Stop Freq
1.86500000 GHz

CF Step
2.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

8.9892 MHz x dB -26.00 dB

Transmit Freq Error -15.594 kHz

x dB Bandwidth 9.866 MHz

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15.20. LTE Occupied Bandwidth(NTNV)(Subtest:20, Channel:26090, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1855	99	26	0.2	Peak	8.97	9.805	10	Pass

Agilent

Ch Freq 1.855 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Center 1.855 00 GHz Span 20 MHz

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

Freq/Channel

Center Freq
1.85500000 GHz

Start Freq
1.84500000 GHz

Stop Freq
1.86500000 GHz

CF Step
2.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

8.9699 MHz

x dB -26.00 dB

Transmit Freq Error -6.779 kHz

x dB Bandwidth 9.805 MHz

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15.21. LTE Occupied Bandwidth(NTNV)(Subtest:21, Channel:26365, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1882.5	99	26	0.2	Peak	8.958	9.761	10	Pass

Agilent

Ch Freq 1.8825 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 30 dB #Atten 30 dB

Center 1.882 50 GHz Span 20 MHz

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

Freq/Channel

Center Freq
1.88250000 GHz

Start Freq
1.87250000 GHz

Stop Freq
1.89250000 GHz

CF Step
2.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

8.9582 MHz x dB -26.00 dB

Transmit Freq Error -3.820 kHz

x dB Bandwidth 9.761 MHz

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15.22. LTE Occupied Bandwidth(NTNV)(Subtest:22, Channel:26365, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1882.5	99	26	0.2	Peak	8.958	9.776	10	Pass

Agilent

Ch Freq 1.8825 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 30 dBm #Peak Log 10 dB/Offst 10.5 dB

Center 1.882 50 GHz Span 20 MHz #Res BW 200 kHz #VBW 620 kHz #Sweep 1 s (500 pts)

Freq/Channel

Center Freq
1.88250000 GHz

Start Freq
1.87250000 GHz

Stop Freq
1.89250000 GHz

CF Step
2.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

8.9579 MHz

x dB -26.00 dB

Transmit Freq Error -9.867 kHz

x dB Bandwidth 9.776 MHz

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15.23. LTE Occupied Bandwidth(NTNV)(Subtest:23, Channel:26640, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1910	99	26	0.2	Peak	8.972	9.856	10	Pass

Agilent

Ch Freq 1.91 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 30 dB #Peak Log 10 dB/Offst 10.5 dB

Center 1.910 00 GHz Span 20 MHz

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

Freq/Channel

Center Freq
1.91000000 GHz

Start Freq
1.90000000 GHz

Stop Freq
1.92000000 GHz

CF Step
2.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

8.9720 MHz x dB -26.00 dB

Transmit Freq Error -6.176 kHz

x dB Bandwidth 9.856 MHz

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15.24. LTE Occupied Bandwidth(NTNV)(Subtest:24, Channel:26640, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1910	99	26	0.2	Peak	8.969	9.842	10	Pass

Agilent

Ch Freq 1.91 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 30 dBm #Atten 30 dB

Center 1.910 00 GHz Span 20 MHz

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

Freq/Channel

Center Freq
1.91000000 GHz

Start Freq
1.90000000 GHz

Stop Freq
1.92000000 GHz

CF Step
2.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

8.9693 MHz

x dB -26.00 dB

Transmit Freq Error -12.655 kHz

x dB Bandwidth 9.842 MHz

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15.25. LTE Occupied Bandwidth(NTNV)(Subtest:25, Channel:26115, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1857.5	99	26	0.3	Peak	13.453	14.671	15	Pass

Agilent

Ch Freq 1.8575 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 30 dB #Atten 30 dB

Center 1.857 50 GHz Span 30 MHz

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

Freq/Channel

Center Freq
1.85750000 GHz

Start Freq
1.84250000 GHz

Stop Freq
1.87250000 GHz

CF Step
3.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

13.4526 MHz x dB -26.00 dB

Transmit Freq Error -25.838 kHz

x dB Bandwidth 14.671 MHz

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15.26. LTE Occupied Bandwidth(NTNV)(Subtest:26, Channel:26115, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1857.5	99	26	0.3	Peak	13.455	14.697	15	Pass

Agilent

Ch Freq 1.8575 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak

Log 10 dB/Offst 10.5 dB

Center 1.857 50 GHz Span 30 MHz

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

Freq/Channel

Center Freq
1.85750000 GHz

Start Freq
1.84250000 GHz

Stop Freq
1.87250000 GHz

CF Step
3.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

13.4554 MHz x dB -26.00 dB

Transmit Freq Error -17.683 kHz

x dB Bandwidth 14.697 MHz

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15.27. LTE Occupied Bandwidth(NTNV)(Subtest:27, Channel:26365, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1882.5	99	26	0.3	Peak	13.407	14.69	15	Pass

Agilent

Ch Freq 1.8825 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 30 dB #Atten 30 dB

Center 1.882 50 GHz Span 30 MHz

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

Freq/Channel

Center Freq
1.88250000 GHz

Start Freq
1.86750000 GHz

Stop Freq
1.89750000 GHz

CF Step
3.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

13.4067 MHz x dB -26.00 dB

Transmit Freq Error -11.384 kHz

x dB Bandwidth 14.690 MHz

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15.28. LTE Occupied Bandwidth(NTNV)(Subtest:28, Channel:26365, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1882.5	99	26	0.3	Peak	13.443	14.699	15	Pass

Agilent

Ch Freq 1.8825 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 10.5 dB

Center 1.882 50 GHz Span 30 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

13.4433 MHz x dB -26.00 dB

Transmit Freq Error -21.582 kHz

x dB Bandwidth 14.699 MHz

Freq/Channel

Center Freq
1.88250000 GHz

Start Freq
1.86750000 GHz

Stop Freq
1.89750000 GHz

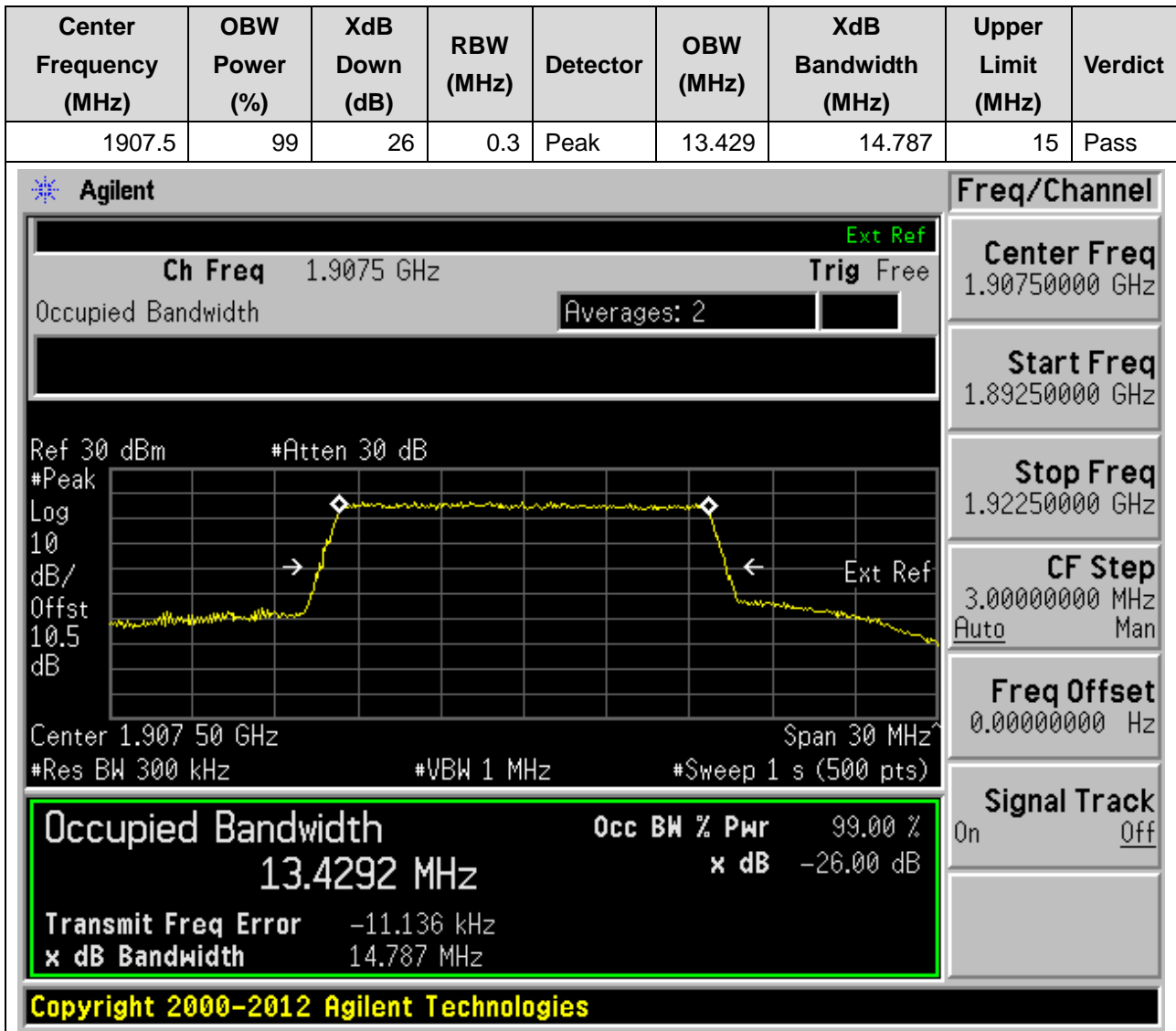
CF Step
3.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

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15.29. LTE Occupied Bandwidth(NTNV)(Subtest:29, Channel:26615, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)



15.30. LTE Occupied Bandwidth(NTNV)(Subtest:30, Channel:26615, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1907.5	99	26	0.3	Peak	13.439	14.71	15	Pass

Agilent

Ch Freq 1.9075 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 30 dBm #Peak Log 10 dB/Offst 10.5 dB Center 1.907 50 GHz Span 30 MHz #Res BW 300 kHz #VBW 1 MHz #Sweep 1 s (500 pts)

Freq/Channel

Center Freq
1.90750000 GHz

Start Freq
1.89250000 GHz

Stop Freq
1.92250000 GHz

CF Step
3.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

13.4389 MHz

x dB Bandwidth 14.710 MHz

x dB -26.00 dB

Transmit Freq Error -8.658 kHz

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15.31. LTE Occupied Bandwidth(NTNV)(Subtest:31, Channel:26140, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1860	99	26	0.39	Peak	17.932	19.419	20	Pass

Agilent

Ch Freq 1.86 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 30 dBm #Atten 30 dB

Center 1.860 00 GHz Span 40 MHz

#Res BW 390 kHz #VBW 1.2 MHz #Sweep 1 s (512 pts)

Freq/Channel

Center Freq
1.86000000 GHz

Start Freq
1.84000000 GHz

Stop Freq
1.88000000 GHz

CF Step
4.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

17.9324 MHz

x dB -26.00 dB

Transmit Freq Error -14.903 kHz

x dB Bandwidth 19.419 MHz

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15.32. LTE Occupied Bandwidth(NTNV)(Subtest:32, Channel:26140, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1860	99	26	0.39	Peak	17.98	19.491	20	Pass

Agilent

Ch Freq 1.86 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Occupied Bandwidth

17.9804 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -9.627 kHz

x dB Bandwidth 19.491 MHz

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Freq/Channel

Center Freq
1.86000000 GHz

Start Freq
1.84000000 GHz

Stop Freq
1.88000000 GHz

CF Step
4.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

15.33. LTE Occupied Bandwidth(NTNV)(Subtest:33, Channel:26365, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1882.5	99	26	0.39	Peak	17.898	19.389	20	Pass

Agilent
Freq/Channel

Ch Freq 1.8825 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Center Freq
1.88250000 GHz

Start Freq
1.86250000 GHz

Stop Freq
1.90250000 GHz

CF Step
4.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Ref 30 dBm #Atten 30 dB

Center 1.882 50 GHz Span 40 MHz

#Res BW 390 kHz #VBW 1.2 MHz #Sweep 1 s (512 pts)

Occupied Bandwidth Occ BW % Pwr 99.00 %

17.8975 MHz

x dB -26.00 dB

Transmit Freq Error 3.214 kHz

x dB Bandwidth 19.389 MHz

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15.34. LTE Occupied Bandwidth(NTNV)(Subtest:34, Channel:26365, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1882.5	99	26	0.39	Peak	17.881	19.486	20	Pass

Agilent

Ch Freq 1.8825 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 30 dB #Atten 30 dB

Center 1.882 50 GHz Span 40 MHz

#Res BW 390 kHz #VBW 1.2 MHz #Sweep 1 s (512 pts)

Freq/Channel

Center Freq
1.88250000 GHz

Start Freq
1.86250000 GHz

Stop Freq
1.90250000 GHz

CF Step
4.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

17.8810 MHz x dB -26.00 dB

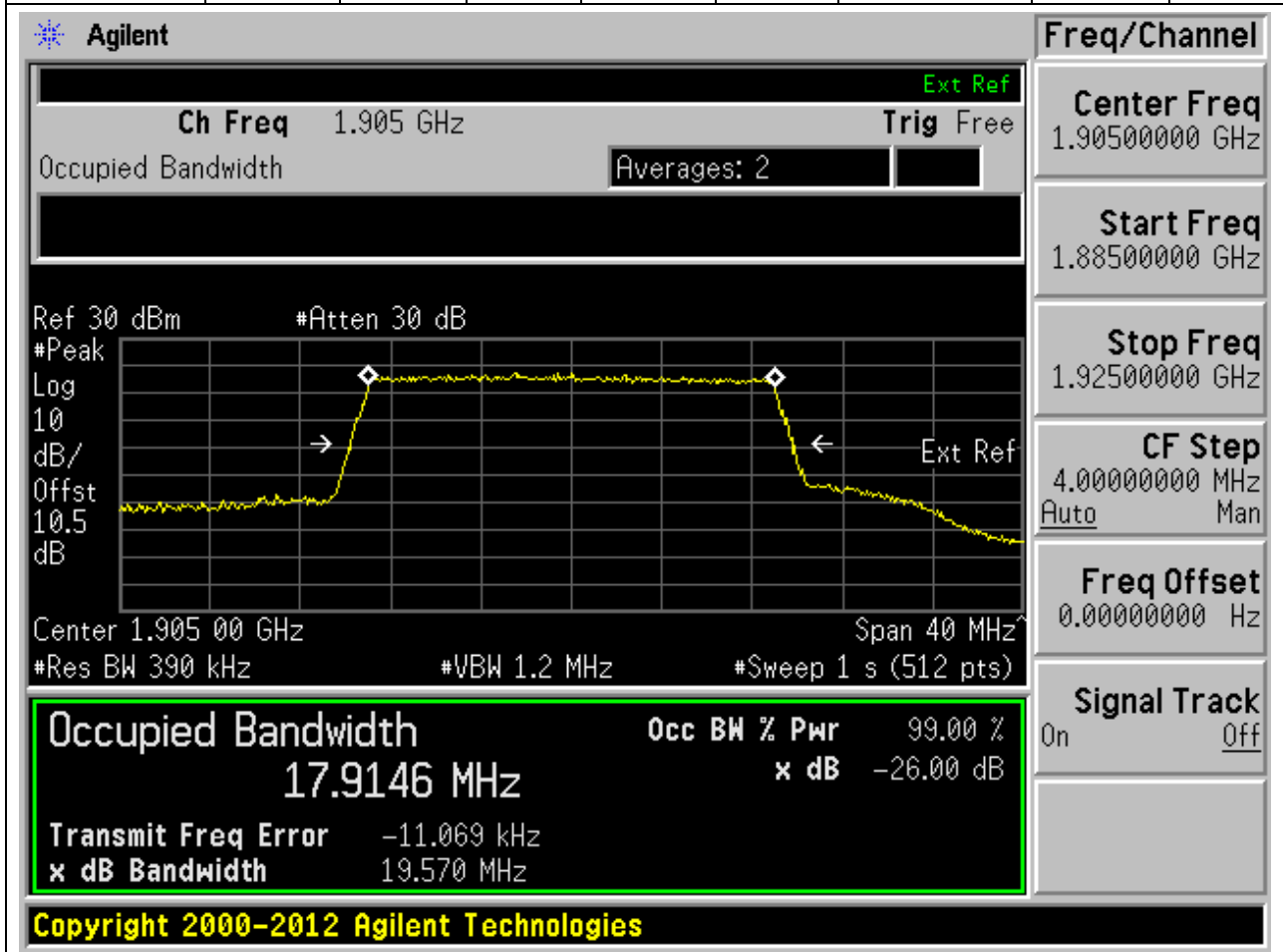
Transmit Freq Error -25.672 kHz

x dB Bandwidth 19.486 MHz

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15.35. LTE Occupied Bandwidth(NTNV)(Subtest:35, Channel:26590, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1905	99	26	0.39	Peak	17.915	19.57	20	Pass



15.36. LTE Occupied Bandwidth(NTNV)(Subtest:36, Channel:26590, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1905	99	26	0.39	Peak	17.894	19.423	20	Pass

Agilent

Ch Freq 1.905 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.5 dB

Center 1.905 00 GHz Span 40 MHz

#Res BW 390 kHz #VBW 1.2 MHz #Sweep 1 s (512 pts)

Freq/Channel

Center Freq
1.90500000 GHz

Start Freq
1.88500000 GHz

Stop Freq
1.92500000 GHz

CF Step
4.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

17.8940 MHz

x dB -26.00 dB

Transmit Freq Error 8.969 kHz

x dB Bandwidth 19.423 MHz

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16. LTE_Band26(824-849MHz)

16.1. LTE Occupied Bandwidth(NTNV)(Subtest:1, Channel:26797, Bandwidth:1.4, Modulation:QPSK, RB Number: 6, RB Position:LOW)



16.2. LTE Occupied Bandwidth(NTNV)(Subtest:2, Channel:26797, Bandwidth:1.4, Modulation:Q16, RB Number: 6, RB Position:LOW)



16.3. LTE Occupied Bandwidth(NTNV)(Subtest:3, Channel:26915, Bandwidth:1.4, Modulation:QPSK, RB Number: 6, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.027	Peak	1.088	1.24	1.4	Pass

Agilent

Ch Freq 836.5 MHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 28.83 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.83 dB

Center 836.500 MHz Span 2.8 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

1.0880 MHz

x dB -26.00 dB

Transmit Freq Error -380.332 Hz

x dB Bandwidth 1.240 MHz

Freq/Channel

Center Freq
836.500000 MHz

Start Freq
835.100000 MHz

Stop Freq
837.900000 MHz

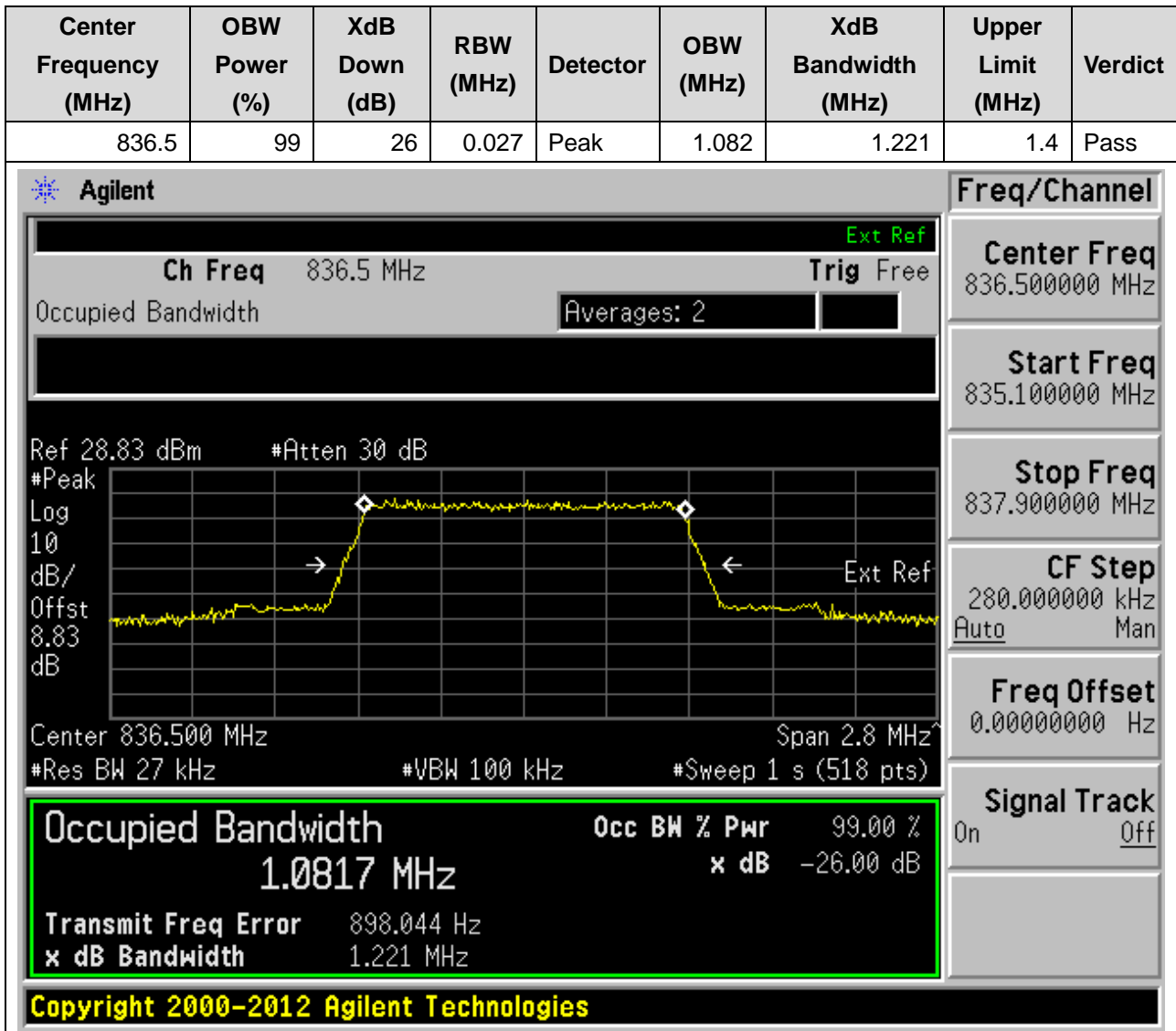
CF Step
280.000000 kHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

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16.4. LTE Occupied Bandwidth(NTNV)(Subtest:4, Channel:26915, Bandwidth:1.4, Modulation:Q16, RB Number: 6, RB Position:LOW)



16.5. LTE Occupied Bandwidth(NTNV)(Subtest:5, Channel:27033, Bandwidth:1.4, Modulation:QPSK, RB Number: 6, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
848.3	99	26	0.027	Peak	1.091	1.22	1.4	Pass

Agilent

Ch Freq 848.3 MHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 28.85 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.85 dB

Center 848.300 MHz Span 2.8 MHz

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

Freq/Channel

Center Freq
848.300000 MHz

Start Freq
846.900000 MHz

Stop Freq
849.700000 MHz

CF Step
280.000000 kHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

1.0914 MHz

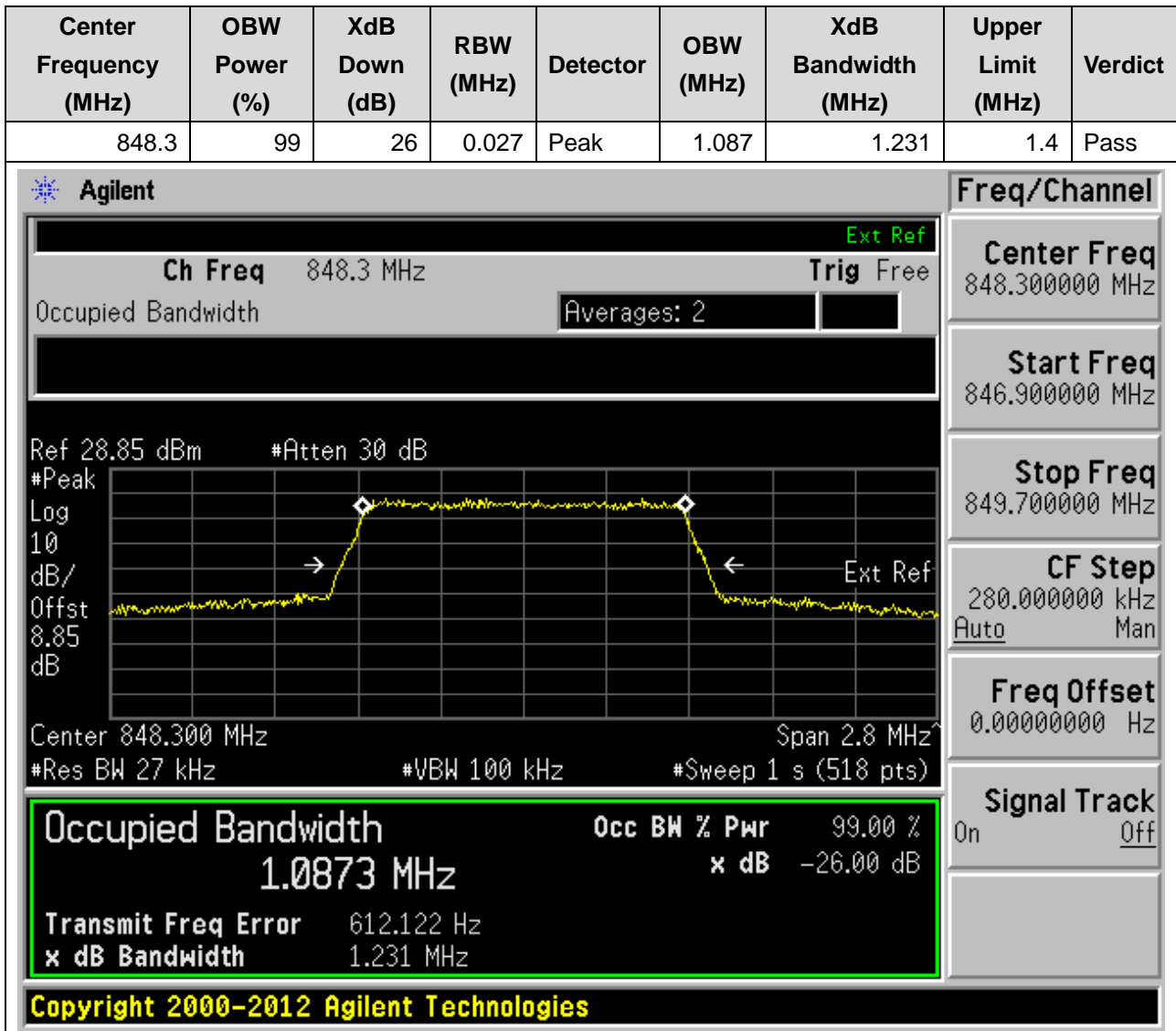
x dB -26.00 dB

Transmit Freq Error 1.030 kHz

x dB Bandwidth 1.220 MHz

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16.6. LTE Occupied Bandwidth(NTNV)(Subtest:6, Channel:27033, Bandwidth:1.4, Modulation:Q16, RB Number: 6, RB Position:LOW)



16.7. LTE Occupied Bandwidth(NTNV)(Subtest:7, Channel:26805, Bandwidth:3, Modulation:QPSK, RB Number: 15, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
825.5	99	26	0.062	Peak	2.701	2.992	3	Pass

Agilent

Ch Freq 825.5 MHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 28.8 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.8 dB

Center 825.500 MHz Span 6 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

2.7006 MHz

x dB -26.00 dB

Transmit Freq Error 1.397 kHz

x dB Bandwidth 2.992 MHz

Freq/Channel

Center Freq 825.500000 MHz

Start Freq 822.500000 MHz

Stop Freq 828.500000 MHz

CF Step 600.000000 kHz
Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

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16.8. LTE Occupied Bandwidth(NTNV)(Subtest:8, Channel:26805, Bandwidth:3, Modulation:Q16, RB Number: 15, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
825.5	99	26	0.062	Peak	2.701	3.012	3	Pass

Agilent

Ch Freq 825.5 MHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 28.8 dBm #Atten 30 dB

#Peak

Log 10 dB/Offst 8.8 dB

Center 825.500 MHz Span 6 MHz

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

Freq/Channel

Center Freq
825.500000 MHz

Start Freq
822.500000 MHz

Stop Freq
828.500000 MHz

CF Step
600.000000 kHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

2.7006 MHz

x dB -26.00 dB

Transmit Freq Error 455.261 Hz

x dB Bandwidth 3.012 MHz

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16.9. LTE Occupied Bandwidth(NTNV)(Subtest:9, Channel:26915, Bandwidth:3, Modulation:QPSK, RB Number: 15, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.062	Peak	2.698	2.986	3	Pass

Agilent

Ch Freq 836.5 MHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 28.83 dBm #Atten 30 dB
#Peak
Log 10
dB/Offst 8.83 dB
Center 836.500 MHz Span 6 MHz
#Res BW 62 kHz #VBW 200 kHz #Sweep 1 s (483 pts)

Freq/Channel

Center Freq
836.500000 MHz

Start Freq
833.500000 MHz

Stop Freq
839.500000 MHz

CF Step
600.000000 kHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

2.6978 MHz x dB -26.00 dB

Transmit Freq Error -278.463 Hz

x dB Bandwidth 2.986 MHz

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16.10. LTE Occupied Bandwidth(NTNV)(Subtest:10, Channel:26915, Bandwidth:3, Modulation:Q16, RB Number: 15, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.062	Peak	2.696	3	3	Pass

Agilent

Ch Freq 836.5 MHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 28.83 dBm #Atten 30 dB

Center 836.500 MHz Span 6 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

2.6958 MHz x dB -26.00 dB

Transmit Freq Error 748.010 Hz

x dB Bandwidth 3.000 MHz

Freq/Channel

Center Freq
836.500000 MHz

Start Freq
833.500000 MHz

Stop Freq
839.500000 MHz

CF Step
600.000000 kHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

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16.11. LTE Occupied Bandwidth(NTNV)(Subtest:11, Channel:27025, Bandwidth:3, Modulation:QPSK, RB Number: 15, RB Position:LOW)



16.12. LTE Occupied Bandwidth(NTNV)(Subtest:12, Channel:27025, Bandwidth:3, Modulation:Q16, RB Number: 15, RB Position:LOW)



16.13. LTE Occupied Bandwidth(NTNV)(Subtest:13, Channel:26815, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
826.5	99	26	0.1	Peak	4.514	4.983	5	Pass

Agilent

Ch Freq 826.5 MHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Center 826.500 MHz Span 10 MHz

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

Freq/Channel

Center Freq
826.500000 MHz

Start Freq
821.500000 MHz

Stop Freq
831.500000 MHz

CF Step
1.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

4.5143 MHz x dB -26.00 dB

Transmit Freq Error -6.072 kHz

x dB Bandwidth 4.983 MHz

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16.14. LTE Occupied Bandwidth(NTNV)(Subtest:14, Channel:26815, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
826.5	99	26	0.1	Peak	4.497	4.981	5	Pass

Agilent

Ch Freq 826.5 MHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Occupied Bandwidth Occ BW % Pwr 99.00 %

4.4968 MHz x dB -26.00 dB

Transmit Freq Error -5.051 kHz

x dB Bandwidth 4.981 MHz

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Freq/Channel

Center Freq
826.500000 MHz

Start Freq
821.500000 MHz

Stop Freq
831.500000 MHz

CF Step
1.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

16.15. LTE Occupied Bandwidth(NTNV)(Subtest:15, Channel:26915, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.1	Peak	4.502	4.95	5	Pass

Agilent

Freq/Channel
Center Freq
836.500000 MHz
Start Freq
831.500000 MHz
Stop Freq
841.500000 MHz
CF Step
1.00000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off

Ch Freq 836.5 MHz Ext Ref

Occupied Bandwidth Averages: 2

Ref 28.83 dBm #Atten 30 dB

Center 836.500 MHz Span 10 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

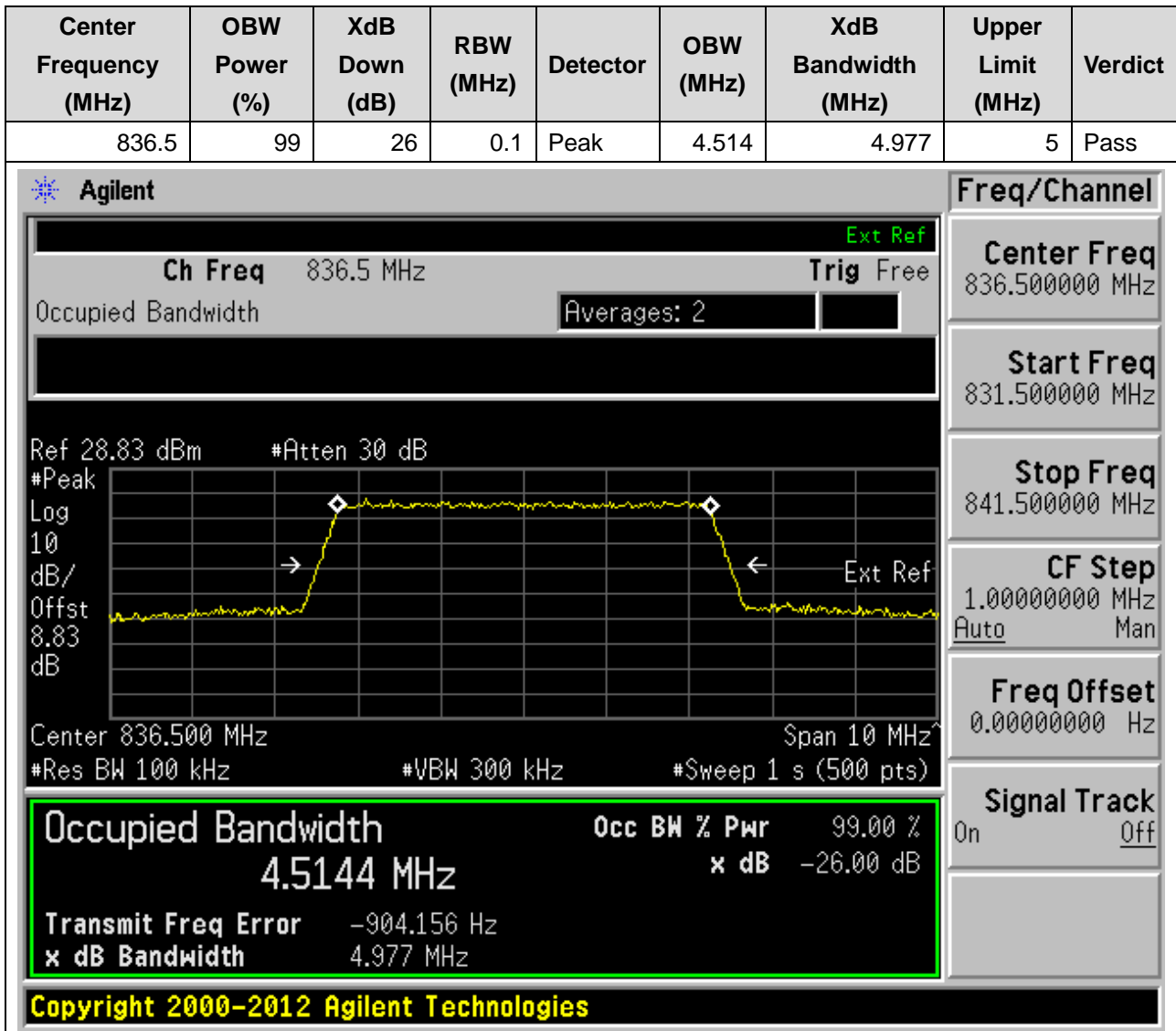
4.5024 MHz x dB -26.00 dB

Transmit Freq Error -928.750 Hz

x dB Bandwidth 4.950 MHz

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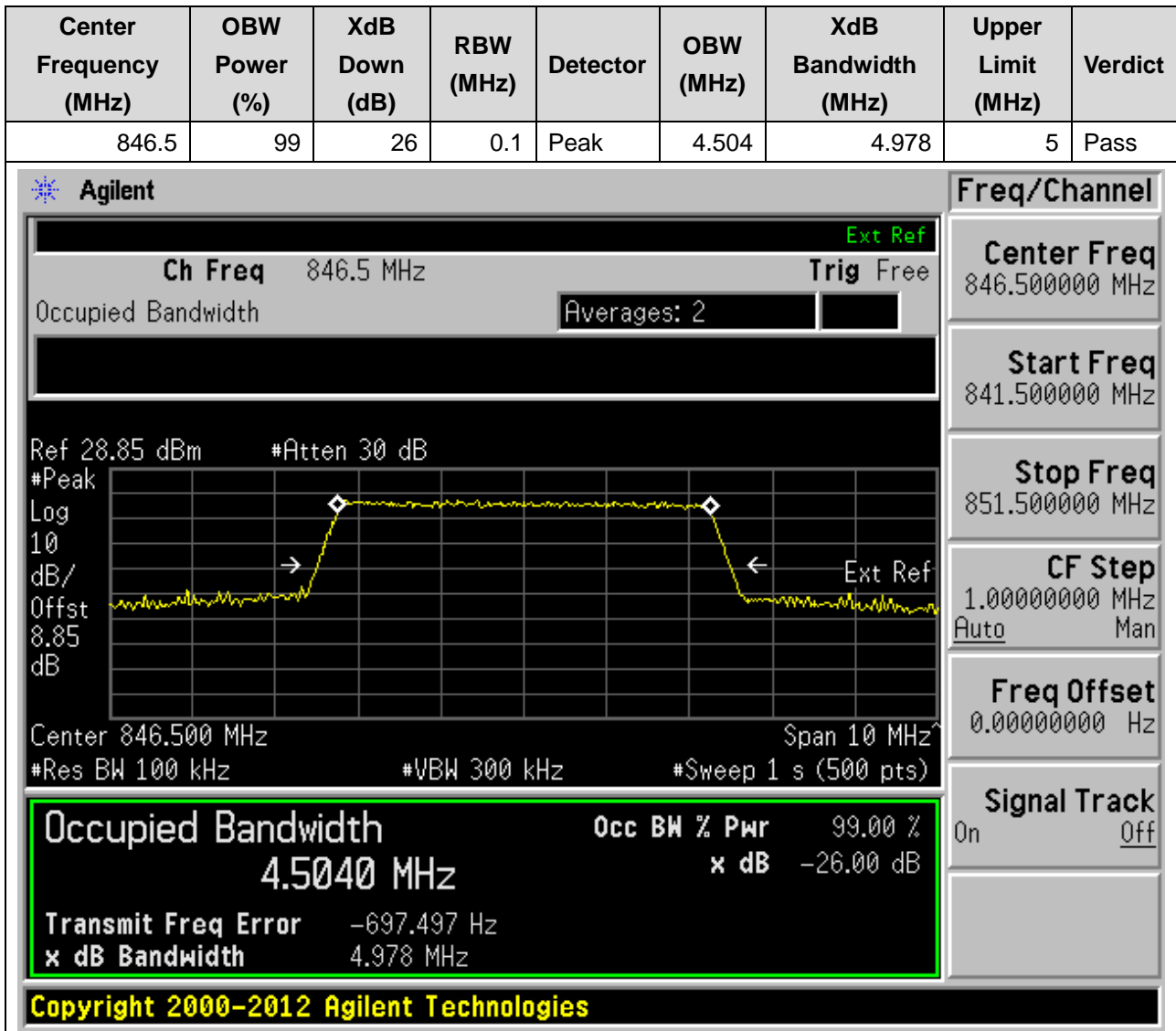
16.16. LTE Occupied Bandwidth(NTNV)(Subtest:16, Channel:26915, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)



16.17. LTE Occupied Bandwidth(NTNV)(Subtest:17, Channel:27015, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)



16.18. LTE Occupied Bandwidth(NTNV)(Subtest:18, Channel:27015, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)



16.19. LTE Occupied Bandwidth(NTNV)(Subtest:19, Channel:26840, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)



16.20. LTE Occupied Bandwidth(NTNV)(Subtest:20, Channel:26840, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
829	99	26	0.2	Peak	8.97	9.745	10	Pass

Agilent

Ch Freq 829 MHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 28.81 dBm #Atten 30 dB

Center 829.00 MHz Span 20 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

8.9703 MHz x dB -26.00 dB

Transmit Freq Error -8.172 kHz

x dB Bandwidth 9.745 MHz

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Freq/Channel

Center Freq
829.000000 MHz

Start Freq
819.000000 MHz

Stop Freq
839.000000 MHz

CF Step
2.00000000 MHz
Auto Man

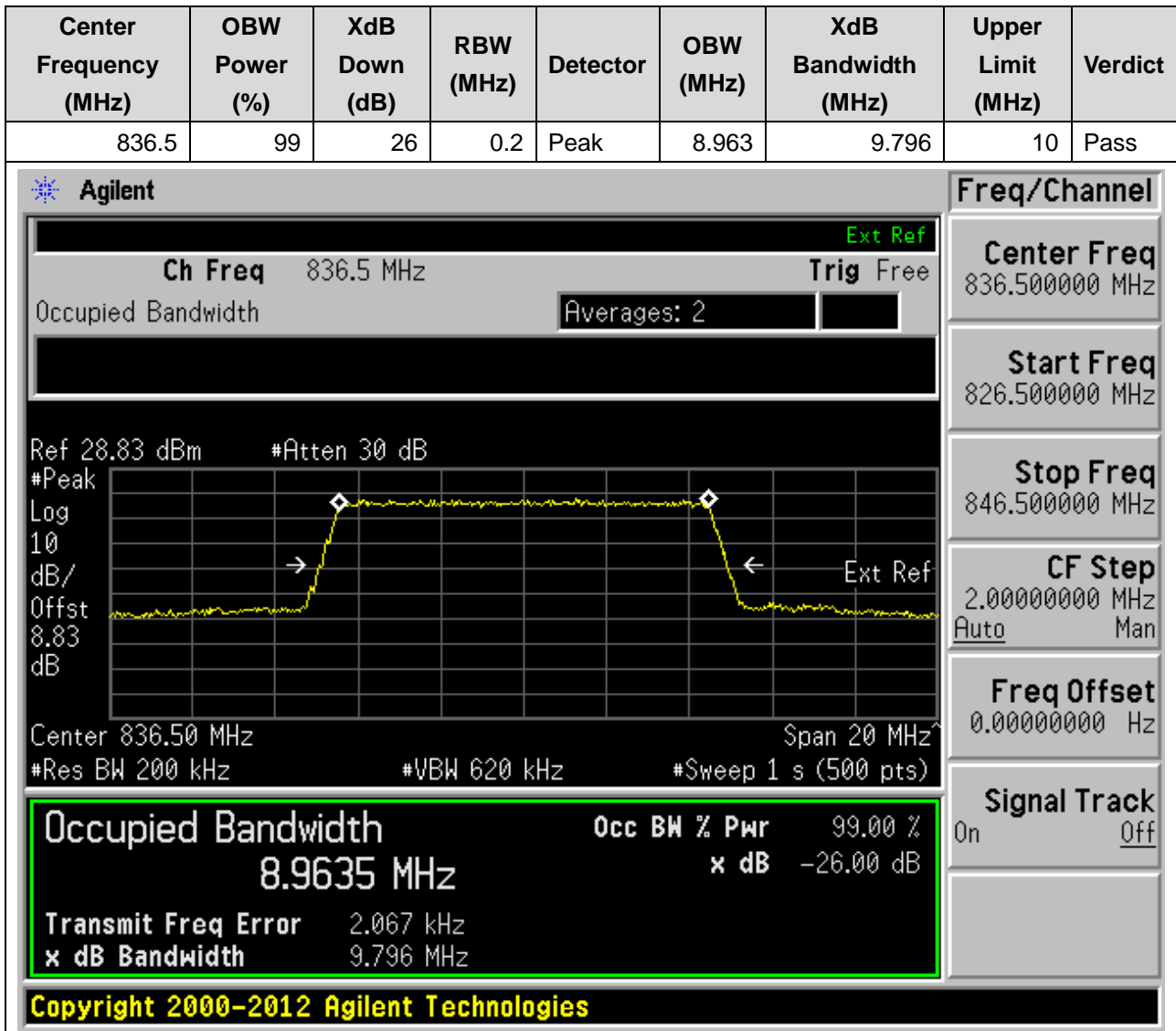
Freq Offset
0.00000000 Hz

Signal Track
On Off

16.21. LTE Occupied Bandwidth(NTNV)(Subtest:21, Channel:26915, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)



16.22. LTE Occupied Bandwidth(NTNV)(Subtest:22, Channel:26915, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)



16.23. LTE Occupied Bandwidth(NTNV)(Subtest:23, Channel:26990, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
844	99	26	0.2	Peak	8.962	9.836	10	Pass

Agilent

Ch Freq 844 MHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 28.85 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.85 dB

Center 844.00 MHz Span 20 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

8.9623 MHz x dB -26.00 dB

Transmit Freq Error -21.483 kHz

x dB Bandwidth 9.836 MHz

Freq/Channel

Center Freq
844.000000 MHz

Start Freq
834.000000 MHz

Stop Freq
854.000000 MHz

CF Step
2.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

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16.24. LTE Occupied Bandwidth(NTNV)(Subtest:24, Channel:26990, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
844	99	26	0.2	Peak	8.959	9.822	10	Pass

Agilent

Ch Freq 844 MHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 28.85 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.85 dB

Center 844.00 MHz Span 20 MHz

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

Freq/Channel

Center Freq 844.000000 MHz

Start Freq 834.000000 MHz

Stop Freq 854.000000 MHz

CF Step 2.00000000 MHz
Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

8.9593 MHz

x dB -26.00 dB

Transmit Freq Error -29.182 kHz

x dB Bandwidth 9.822 MHz

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16.25. LTE Occupied Bandwidth(NTNV)(Subtest:25, Channel:26865, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
831.5	99	26	0.3	Peak	13.453	14.696	15	Pass

Agilent

Ch Freq 831.5 MHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 28.81 dBm #Atten 30 dB

Center 831.50 MHz Span 30 MHz

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

Freq/Channel

Center Freq
831.500000 MHz

Start Freq
816.500000 MHz

Stop Freq
846.500000 MHz

CF Step
3.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

13.4526 MHz x dB -26.00 dB

Transmit Freq Error -18.947 kHz

x dB Bandwidth 14.696 MHz

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16.26. LTE Occupied Bandwidth(NTNV)(Subtest:26, Channel:26865, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
831.5	99	26	0.3	Peak	13.48	14.705	15	Pass

Agilent

Ch Freq 831.5 MHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 28.81 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.81 dB

Center 831.50 MHz Span 30 MHz

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

Freq/Channel

Center Freq
831.500000 MHz

Start Freq
816.500000 MHz

Stop Freq
846.500000 MHz

CF Step
3.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

13.4802 MHz x dB -26.00 dB

Transmit Freq Error -22.223 kHz

x dB Bandwidth 14.705 MHz

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16.27. LTE Occupied Bandwidth(NTNV)(Subtest:27, Channel:26915, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.3	Peak	13.397	14.696	15	Pass

Agilent

Ch Freq 836.5 MHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 28.83 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.83 dB

Center 836.50 MHz Span 30 MHz

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

Freq/Channel

Center Freq
836.500000 MHz

Start Freq
821.500000 MHz

Stop Freq
851.500000 MHz

CF Step
3.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

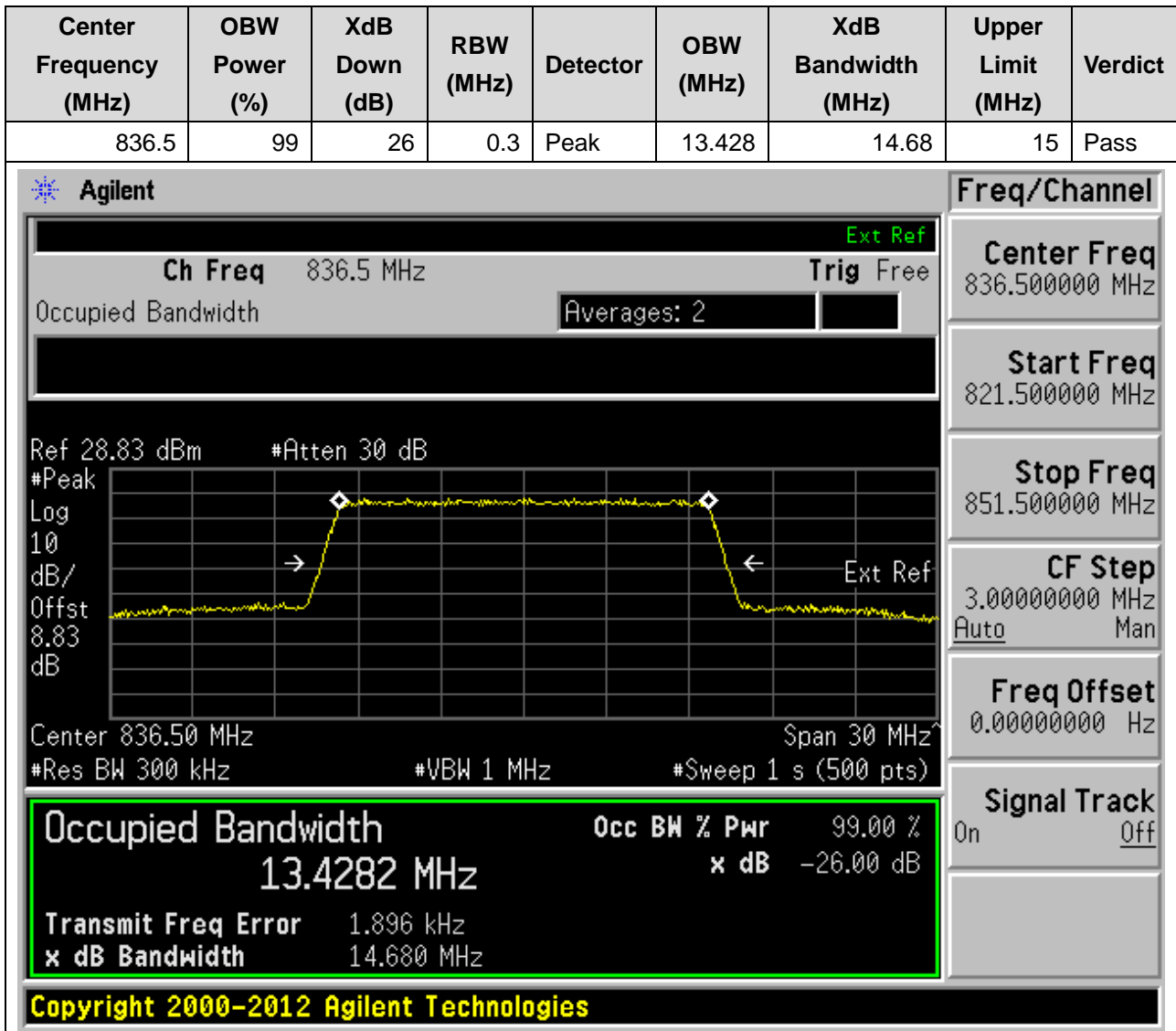
13.3966 MHz x dB -26.00 dB

Transmit Freq Error -11.075 kHz

x dB Bandwidth 14.696 MHz

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16.28. LTE Occupied Bandwidth(NTNV)(Subtest:28, Channel:26915, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)



16.29. LTE Occupied Bandwidth(NTNV)(Subtest:29, Channel:26965, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
841.5	99	26	0.3	Peak	13.399	14.6	15	Pass

Agilent

Ch Freq 841.5 MHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 28.85 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.85 dB

Center 841.50 MHz Span 30 MHz

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

Freq/Channel

Center Freq
841.500000 MHz

Start Freq
826.500000 MHz

Stop Freq
856.500000 MHz

CF Step
3.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

13.3987 MHz

x dB -26.00 dB

Transmit Freq Error -22.911 kHz

x dB Bandwidth 14.599 MHz

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16.30. LTE Occupied Bandwidth(NTNV)(Subtest:30, Channel:26965, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
841.5	99	26	0.3	Peak	13.423	14.668	15	Pass

Agilent

Ch Freq 841.5 MHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 28.85 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.85 dB

Center 841.50 MHz Span 30 MHz

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

Freq/Channel

Center Freq 841.500000 MHz

Start Freq 826.500000 MHz

Stop Freq 856.500000 MHz

CF Step 3.00000000 MHz
Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

13.4226 MHz x dB -26.00 dB

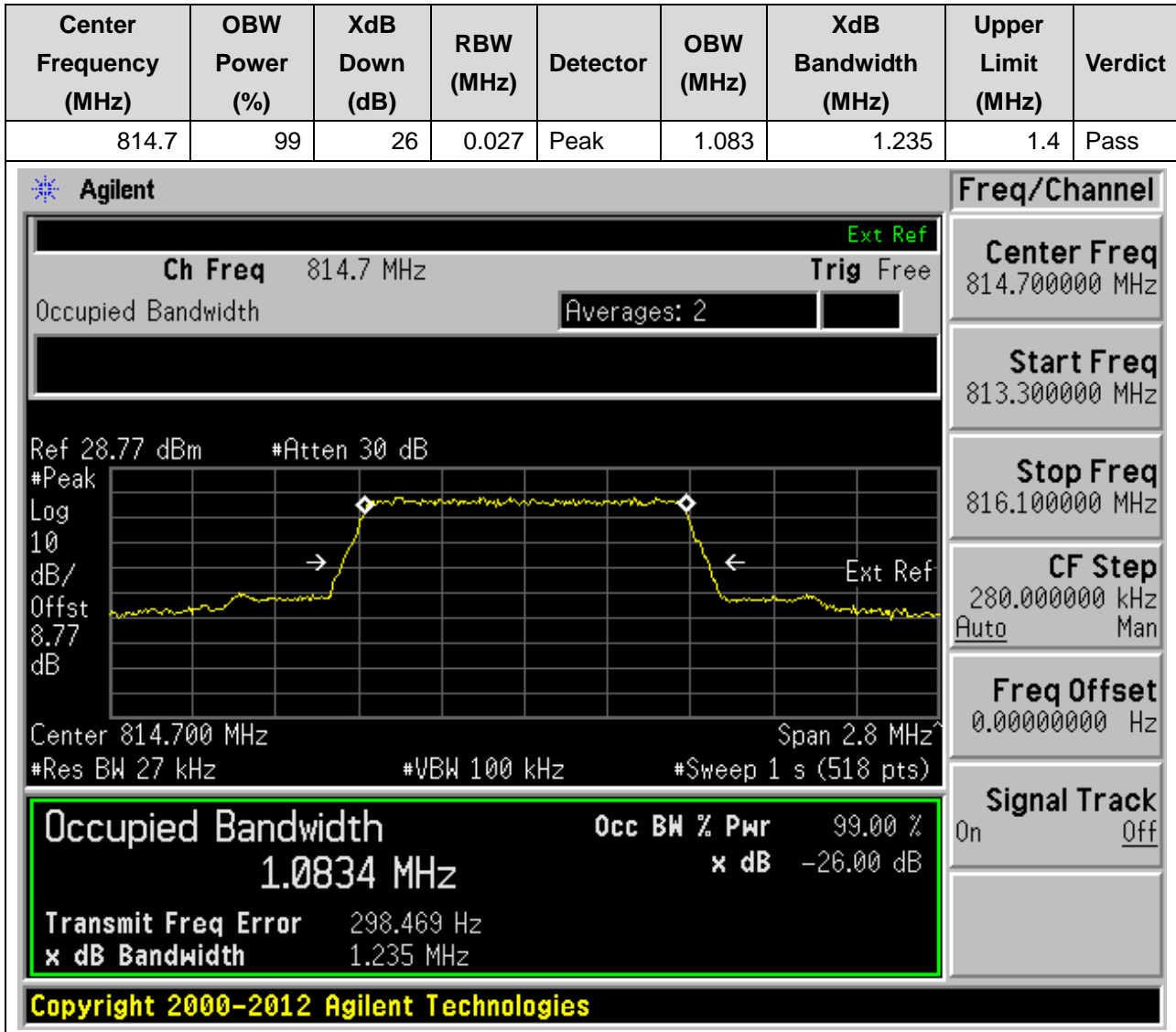
Transmit Freq Error -22.679 kHz

x dB Bandwidth 14.668 MHz

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17. LTE_Band26(814-824MHz)

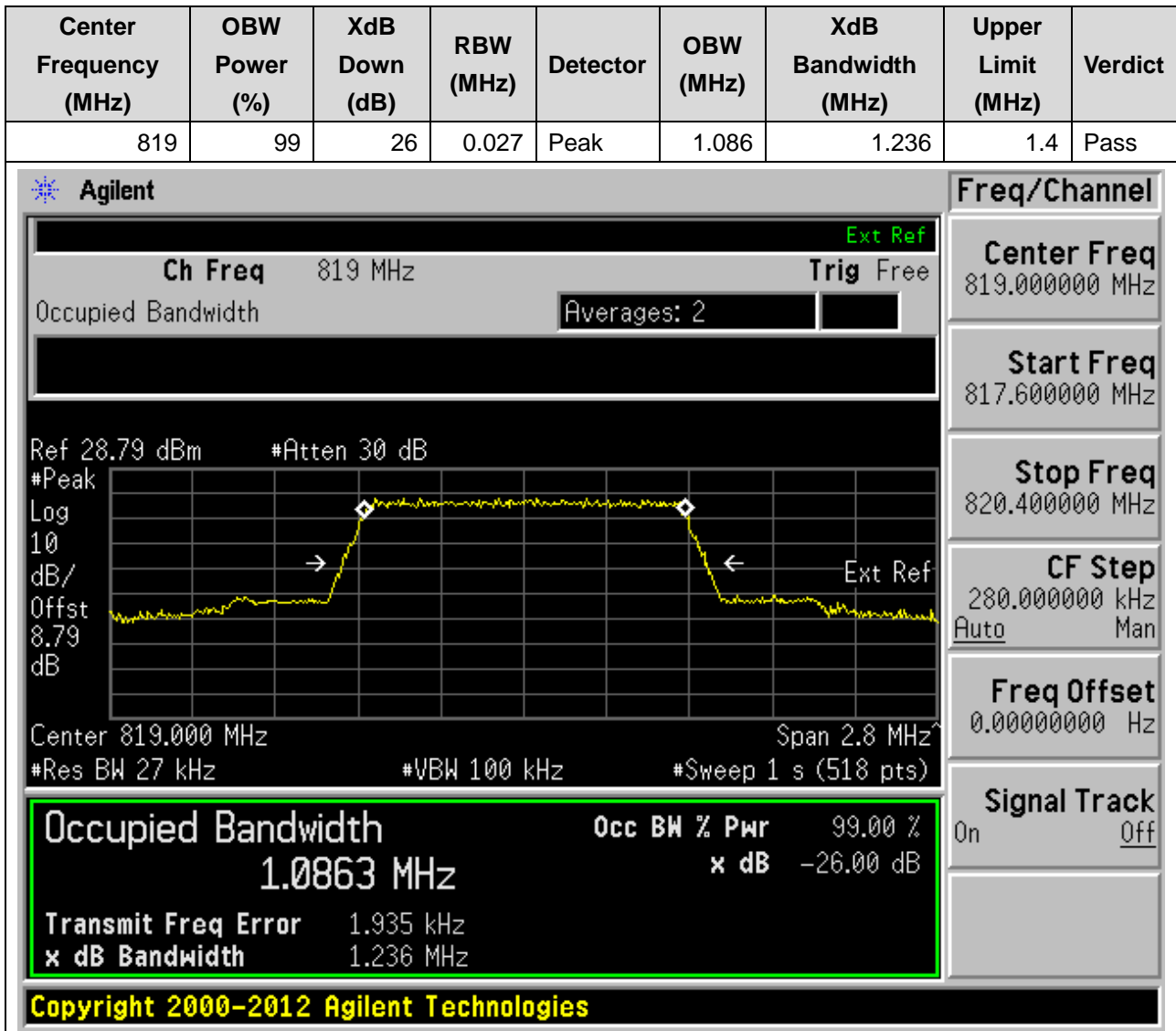
17.1. LTE Occupied Bandwidth(NTNV)(Subtest:1, Channel:26697, Bandwidth:1.4, Modulation:QPSK, RB Number: 6, RB Position:LOW)



17.2. LTE Occupied Bandwidth(NTNV)(Subtest:2, Channel:26697, Bandwidth:1.4, Modulation:Q16, RB Number: 6, RB Position:LOW)



17.3. LTE Occupied Bandwidth(NTNV)(Subtest:3, Channel:26740, Bandwidth:1.4, Modulation:QPSK, RB Number: 6, RB Position:LOW)



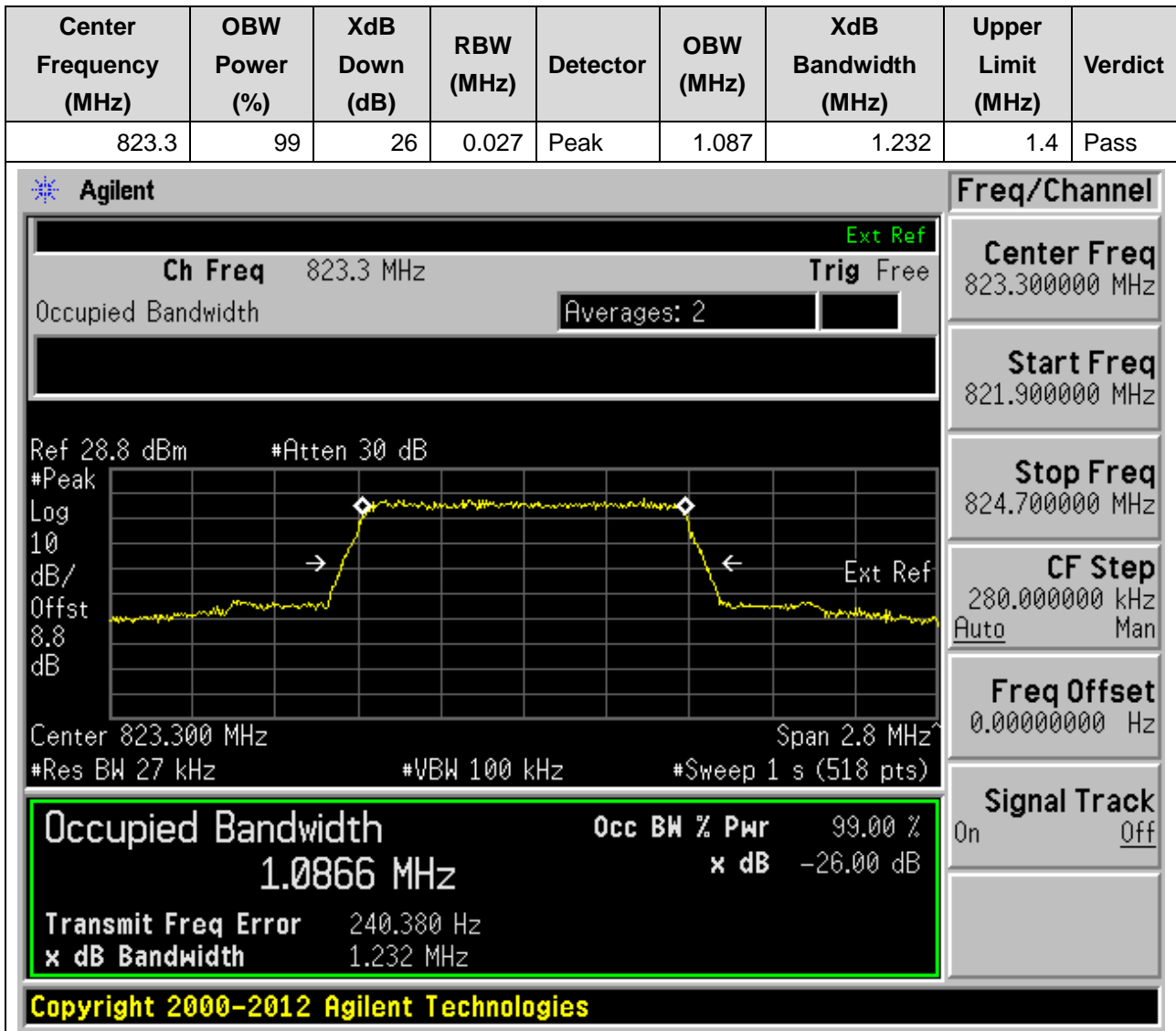
17.4. LTE Occupied Bandwidth(NTNV)(Subtest:4, Channel:26740, Bandwidth:1.4, Modulation:Q16, RB Number: 6, RB Position:LOW)



17.5. LTE Occupied Bandwidth(NTNV)(Subtest:5, Channel:26783, Bandwidth:1.4, Modulation:QPSK, RB Number: 6, RB Position:LOW)



17.6. LTE Occupied Bandwidth(NTNV)(Subtest:6, Channel:26783, Bandwidth:1.4, Modulation:Q16, RB Number: 6, RB Position:LOW)



17.7. LTE Occupied Bandwidth(NTNV)(Subtest:7, Channel:26705, Bandwidth:3, Modulation:QPSK, RB Number: 15, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
815.5	99	26	0.062	Peak	2.701	2.991	3	Pass

Agilent

Ch Freq 815.5 MHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 28.78 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.78 dB

Center 815.500 MHz Span 6 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

2.7005 MHz x dB -26.00 dB

Transmit Freq Error 3.268 kHz

x dB Bandwidth 2.991 MHz

Freq/Channel

Center Freq
815.500000 MHz

Start Freq
812.500000 MHz

Stop Freq
818.500000 MHz

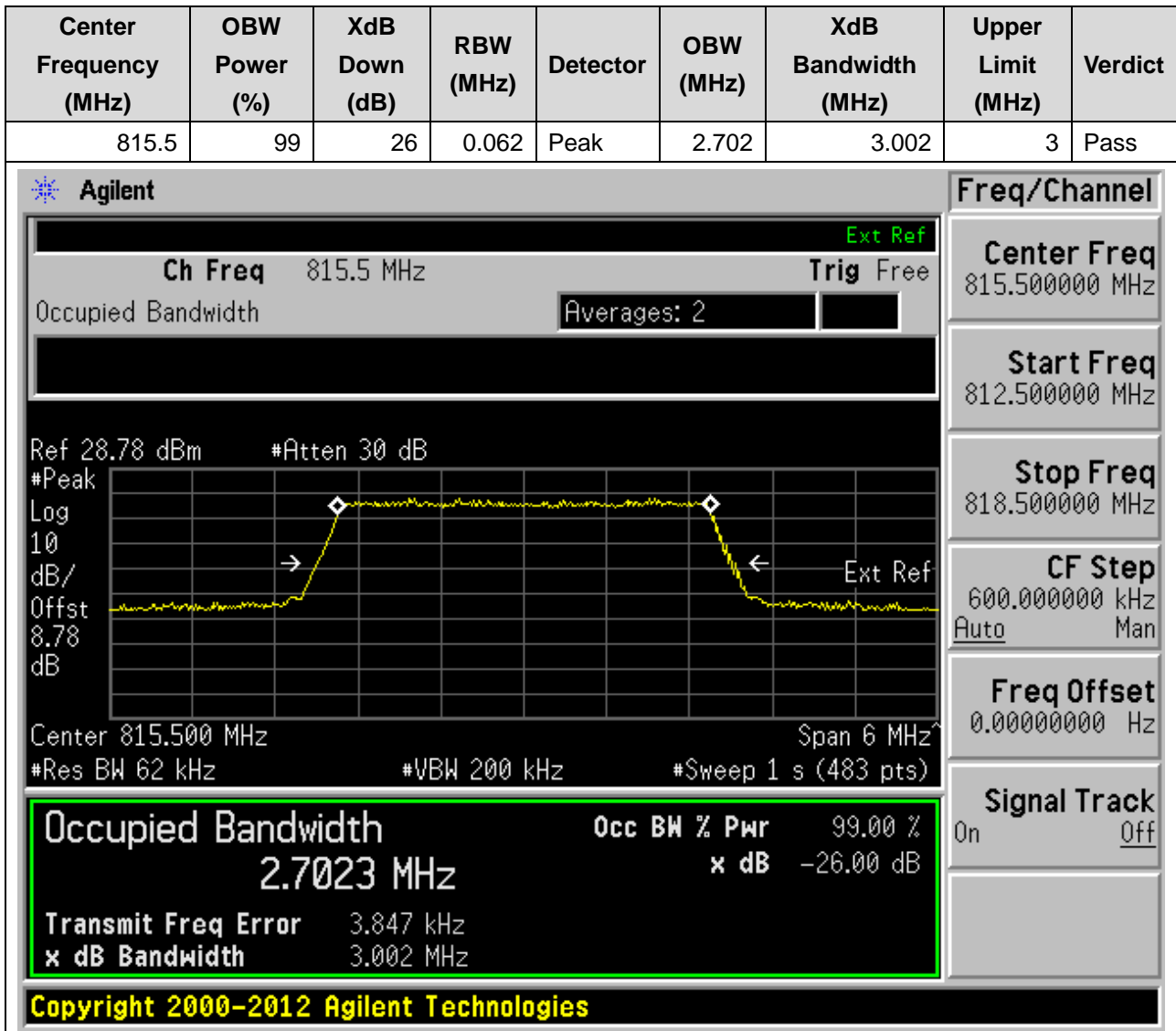
CF Step
600.000000 kHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

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17.8. LTE Occupied Bandwidth(NTNV)(Subtest:8, Channel:26705, Bandwidth:3, Modulation:Q16, RB Number: 15, RB Position:LOW)



17.9. LTE Occupied Bandwidth(NTNV)(Subtest:9, Channel:26740, Bandwidth:3, Modulation:QPSK, RB Number: 15, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
819	99	26	0.062	Peak	2.705	2.993	3	Pass

Agilent

Ch Freq 819 MHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 28.79 dBm #Atten 30 dB

Center 819.000 MHz Span 6 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

2.7048 MHz x dB -26.00 dB

Transmit Freq Error 2.907 kHz

x dB Bandwidth 2.993 MHz

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Freq/Channel

Center Freq 819.000000 MHz

Start Freq 816.000000 MHz

Stop Freq 822.000000 MHz

CF Step 600.000000 kHz
Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

17.10. LTE Occupied Bandwidth(NTNV)(Subtest:10, Channel:26740, Bandwidth:3, Modulation:Q16, RB Number: 15, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
819	99	26	0.062	Peak	2.697	3.013	3	Pass

Agilent

Ch Freq 819 MHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

#Peak
Log 10
dB/Offst 8.79 dB
Center 819.000 MHz
Span 6 MHz
#Res BW 62 kHz #VBW 200 kHz #Sweep 1 s (483 pts)

Freq/Channel

Center Freq
819.000000 MHz

Start Freq
816.000000 MHz

Stop Freq
822.000000 MHz

CF Step
600.000000 kHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

2.6972 MHz

x dB -26.00 dB

Transmit Freq Error 2.940 kHz

x dB Bandwidth 3.013 MHz

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17.11. LTE Occupied Bandwidth(NTNV)(Subtest:11, Channel:26775, Bandwidth:3, Modulation:QPSK, RB Number: 15, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
822.5	99	26	0.062	Peak	2.701	3.013	3	Pass

Agilent

Ch Freq 822.5 MHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

#Peak
Log 10 dB/Offst 8.8 dB
Center 822.500 MHz Span 6 MHz
#Res BW 62 kHz #VBW 200 kHz #Sweep 1 s (483 pts)

Freq/Channel

Center Freq
822.500000 MHz

Start Freq
819.500000 MHz

Stop Freq
825.500000 MHz

CF Step
600.000000 kHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

2.7015 MHz

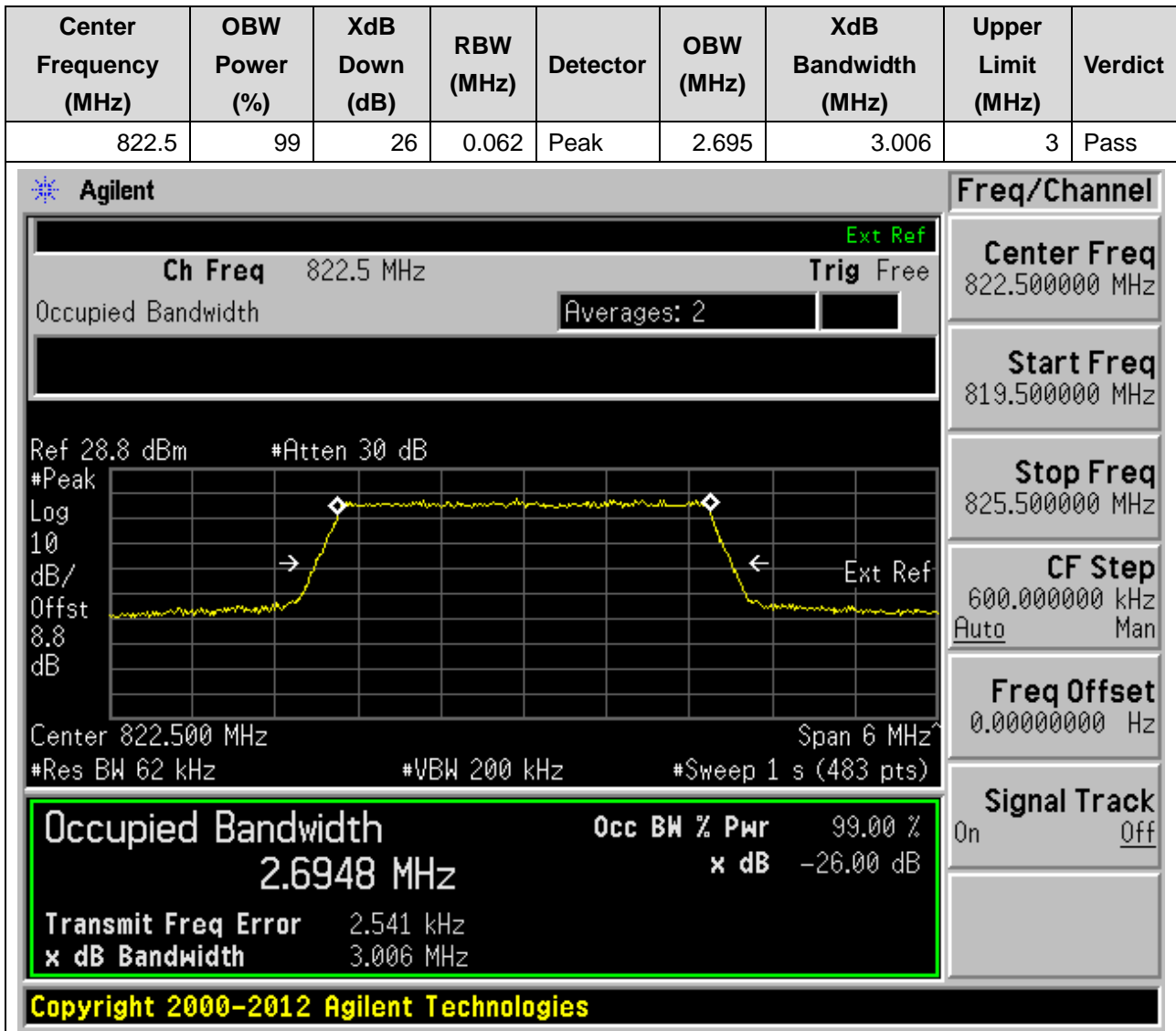
x dB -26.00 dB

Transmit Freq Error 2.874 kHz

x dB Bandwidth 3.013 MHz

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17.12. LTE Occupied Bandwidth(NTNV)(Subtest:12, Channel:26775, Bandwidth:3, Modulation:Q16, RB Number: 15, RB Position:LOW)



17.13. LTE Occupied Bandwidth(NTNV)(Subtest:13, Channel:26715, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
816.5	99	26	0.1	Peak	4.515	4.965	5	Pass

Agilent

Ch Freq 816.5 MHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 28.78 dBm #Atten 30 dB

Center 816.500 MHz Span 10 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

4.5152 MHz x dB -26.00 dB

Transmit Freq Error 816.417 Hz

x dB Bandwidth 4.965 MHz

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Freq/Channel

Center Freq
816.500000 MHz

Start Freq
811.500000 MHz

Stop Freq
821.500000 MHz

CF Step
1.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

17.14. LTE Occupied Bandwidth(NTNV)(Subtest:14, Channel:26715, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
816.5	99	26	0.1	Peak	4.501	4.939	5	Pass

Agilent

Ch Freq 816.5 MHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

#Peak
Log 10 dB/Offst 8.78 dB
Center 816.500 MHz Span 10 MHz
#Res BW 100 kHz #VBW 300 kHz #Sweep 1 s (500 pts)

Freq/Channel

Center Freq
816.500000 MHz

Start Freq
811.500000 MHz

Stop Freq
821.500000 MHz

CF Step
1.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

4.5013 MHz

x dB -26.00 dB

Transmit Freq Error -4.158 kHz

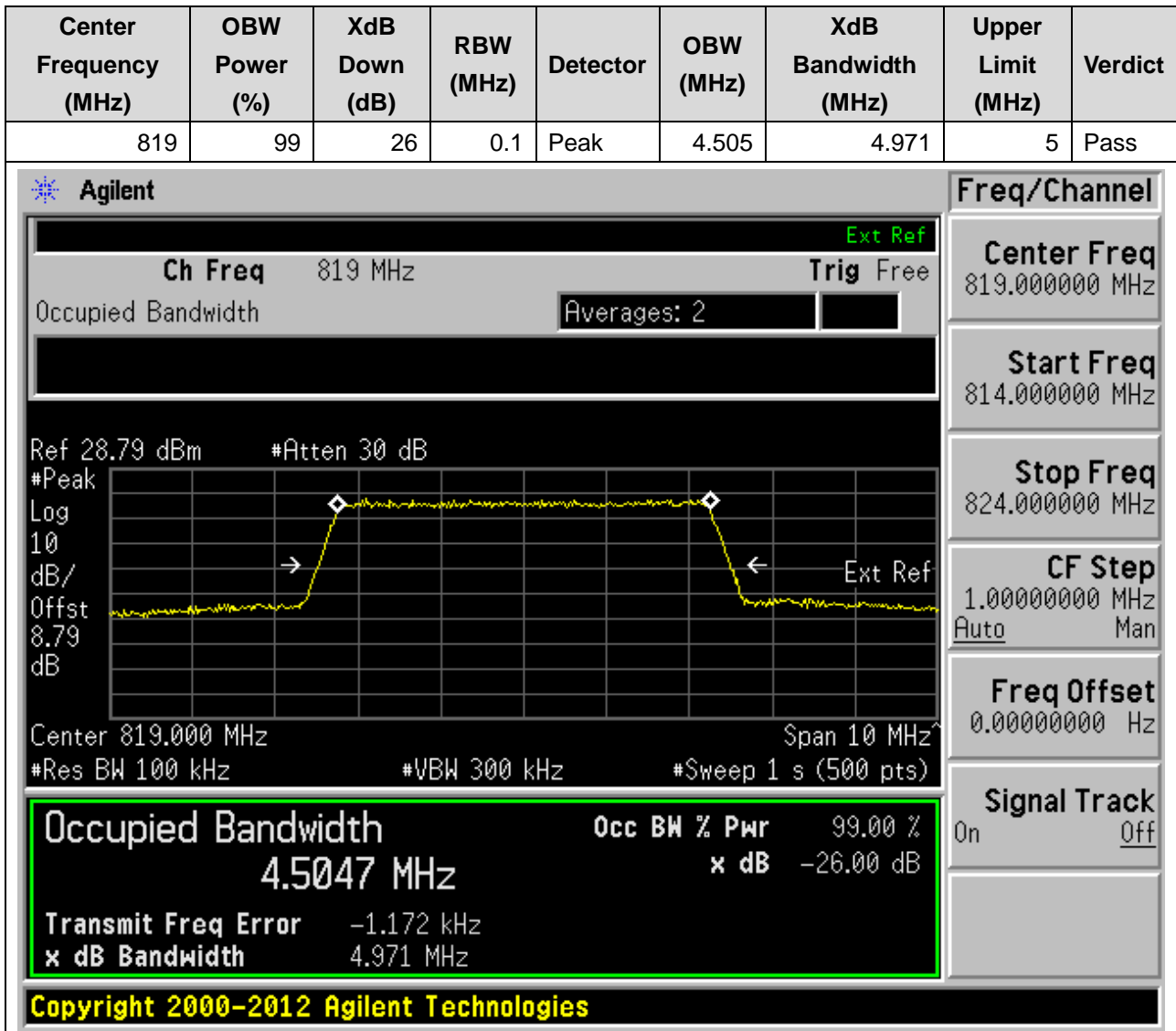
x dB Bandwidth 4.939 MHz

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17.15. LTE Occupied Bandwidth(NTNV)(Subtest:15, Channel:26740, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)



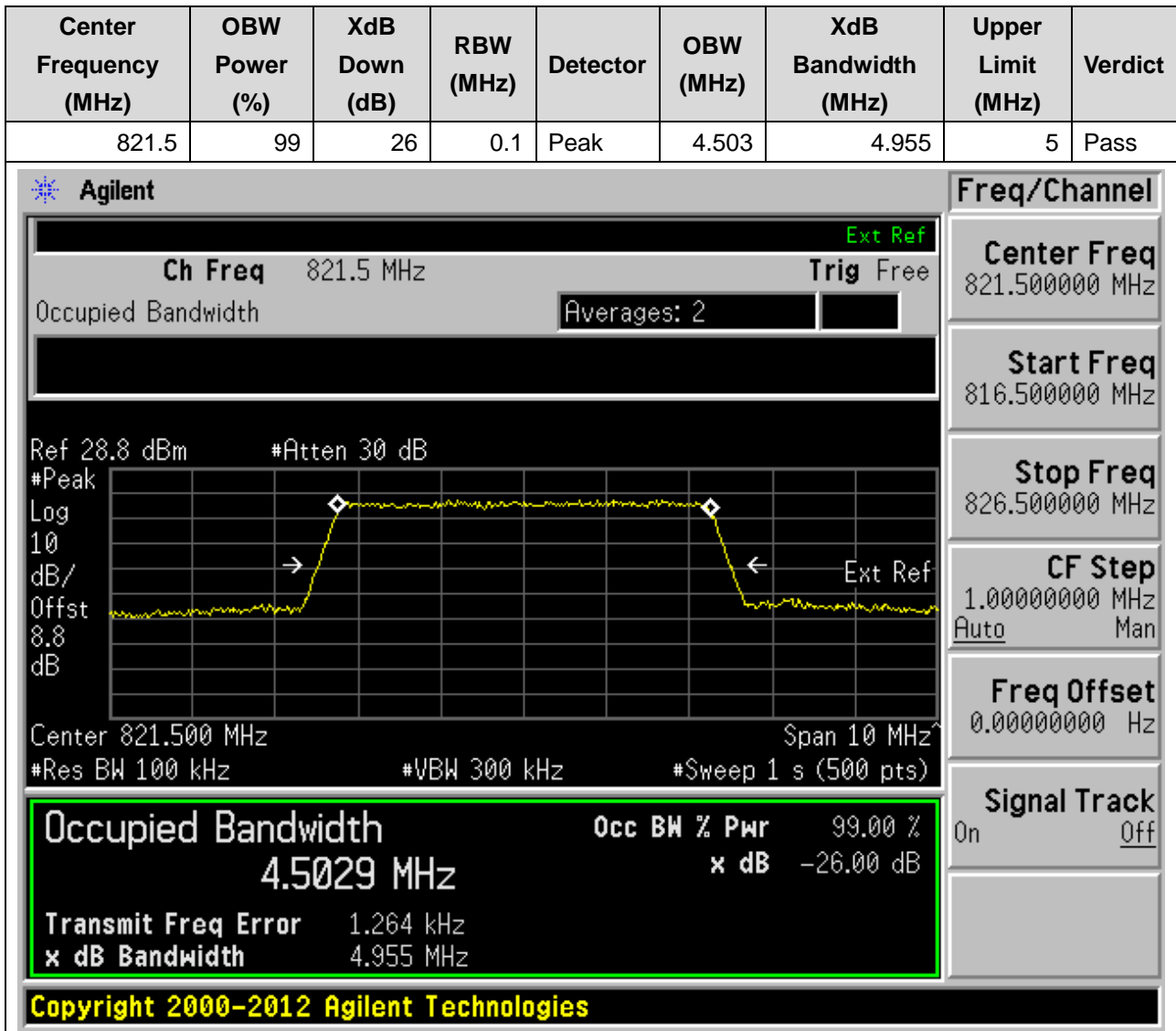
17.16. LTE Occupied Bandwidth(NTNV)(Subtest:16, Channel:26740, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)



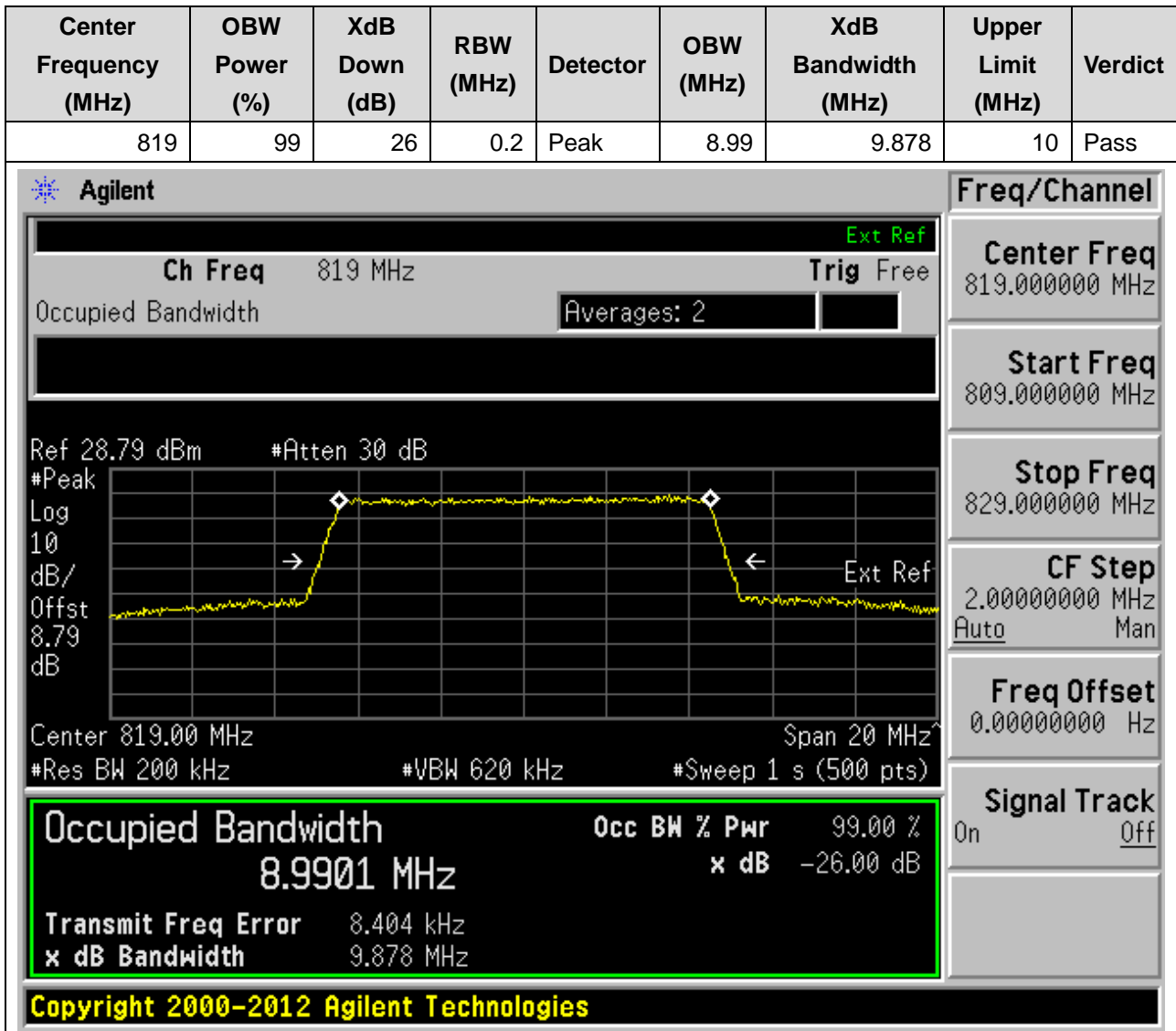
17.17. LTE Occupied Bandwidth(NTNV)(Subtest:17, Channel:26765, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)



17.18. LTE Occupied Bandwidth(NTNV)(Subtest:18, Channel:26765, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)



17.19. LTE Occupied Bandwidth(NTNV)(Subtest:19, Channel:26740, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)



17.20. LTE Occupied Bandwidth(NTNV)(Subtest:20, Channel:26740, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
819	99	26	0.2	Peak	8.968	9.803	10	Pass

Agilent

Ch Freq 819 MHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 28.79 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.79 dB

Center 819.00 MHz Span 20 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
8.9677 MHz	x dB	-26.00 dB
Transmit Freq Error	19.602 kHz	
x dB Bandwidth	9.803 MHz	

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Freq/Channel

Center Freq
819.000000 MHz

Start Freq
809.000000 MHz

Stop Freq
829.000000 MHz

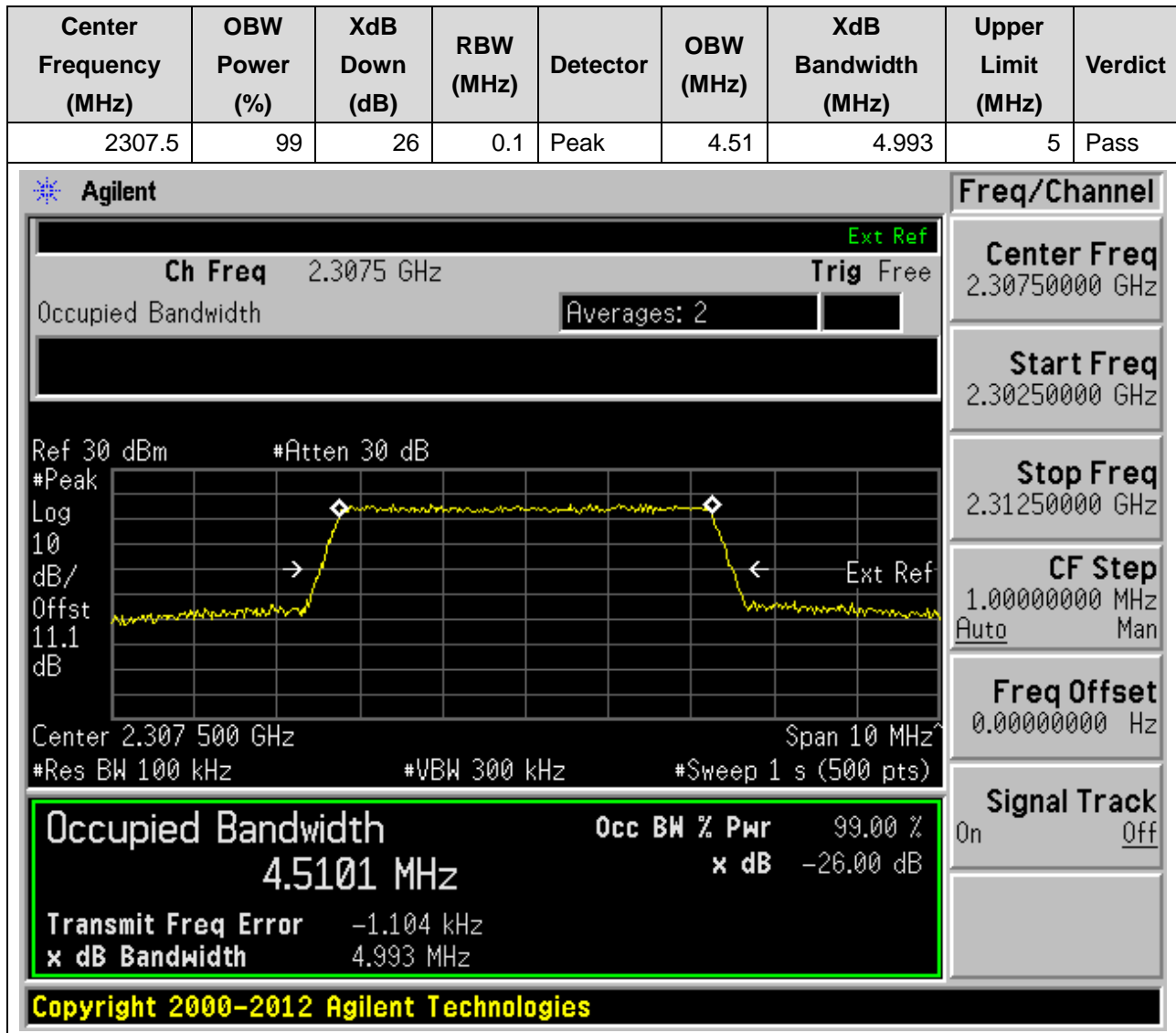
CF Step
2.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

18. LTE_Band30

18.1. LTE Occupied Bandwidth(NTNV)(Subtest:1, Channel:27685, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)



18.2. LTE Occupied Bandwidth(NTNV)(Subtest:2, Channel:27685, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2307.5	99	26	0.1	Peak	4.502	4.952	5	Pass

Agilent

Ch Freq 2.3075 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.1 dB

Center 2.307 500 GHz Span 10 MHz

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

Freq/Channel

Center Freq
2.30750000 GHz

Start Freq
2.30250000 GHz

Stop Freq
2.31250000 GHz

CF Step
1.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

4.5022 MHz x dB -26.00 dB

Transmit Freq Error -313.902 Hz

x dB Bandwidth 4.952 MHz

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18.3. LTE Occupied Bandwidth(NTNV)(Subtest:3, Channel:27710, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)



18.4. LTE Occupied Bandwidth(NTNV)(Subtest:4, Channel:27710, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2310	99	26	0.1	Peak	4.514	4.976	5	Pass

Agilent

Ch Freq 2.31 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.1 dB

Center 2.310 000 GHz Span 10 MHz

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

Freq/Channel

Center Freq 2.31000000 GHz

Start Freq 2.30500000 GHz

Stop Freq 2.31500000 GHz

CF Step 1.00000000 MHz
Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

4.5141 MHz x dB -26.00 dB

Transmit Freq Error -314.105 Hz

x dB Bandwidth 4.976 MHz

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18.5. LTE Occupied Bandwidth(NTNV)(Subtest:5, Channel:27735, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)



18.6. LTE Occupied Bandwidth(NTNV)(Subtest:6, Channel:27735, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)



18.7. LTE Occupied Bandwidth(NTNV)(Subtest:7, Channel:27710, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2310	99	26	0.2	Peak	8.968	9.894	10	Pass

Agilent

Ch Freq 2.31 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Center 2.310 00 GHz Span 20 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

8.9680 MHz x dB -26.00 dB

Transmit Freq Error 1.249 kHz

x dB Bandwidth 9.894 MHz

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Freq/Channel

Center Freq
2.31000000 GHz

Start Freq
2.30000000 GHz

Stop Freq
2.32000000 GHz

CF Step
2.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

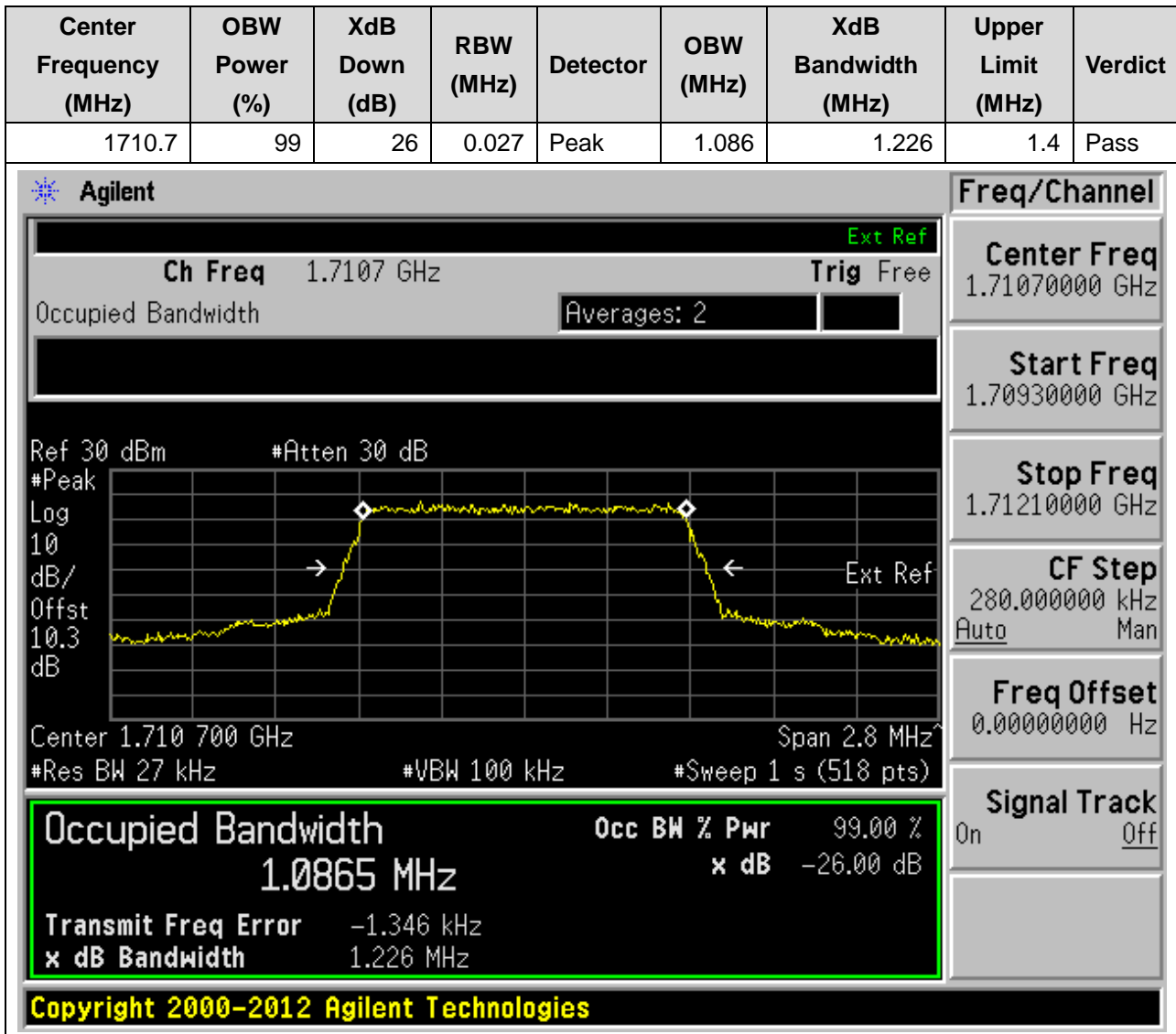
Signal Track
On Off

18.8. LTE Occupied Bandwidth(NTNV)(Subtest:8, Channel:27710, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)



19. LTE_Band66

19.1. LTE Occupied Bandwidth(NTNV)(Subtest:1, Channel:131979, Bandwidth:1.4, Modulation:QPSK, RB Number: 6, RB Position:LOW)



19.2. LTE Occupied Bandwidth(NTNV)(Subtest:2, Channel:131979, Bandwidth:1.4, Modulation:Q16, RB Number: 6, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1710.7	99	26	0.027	Peak	1.085	1.226	1.4	Pass

Agilent

Ch Freq 1.7107 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 30 dBm #Atten 30 dB

Center 1.710 700 GHz Span 2.8 MHz

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

Freq/Channel

Center Freq
1.71070000 GHz

Start Freq
1.70930000 GHz

Stop Freq
1.71210000 GHz

CF Step
280.000000 kHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

1.0846 MHz

x dB -26.00 dB

Transmit Freq Error -416.024 Hz

x dB Bandwidth 1.226 MHz

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19.3. LTE Occupied Bandwidth(NTNV)(Subtest:3, Channel:132322, Bandwidth:1.4, Modulation:QPSK, RB Number: 6, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.027	Peak	1.083	1.234	1.4	Pass

Agilent

Ch Freq 1.745 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

#Peak
Log 10
dB/Offst 10.4 dB
Center 1.745 000 GHz
Span 2.8 MHz
#Res BW 27 kHz #VBW 100 kHz #Sweep 1 s (518 pts)

Freq/Channel

Center Freq
1.74500000 GHz

Start Freq
1.74360000 GHz

Stop Freq
1.74640000 GHz

CF Step
280.000000 kHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

1.0835 MHz

x dB -26.00 dB

Transmit Freq Error 1.006 kHz

x dB Bandwidth 1.234 MHz

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19.4. LTE Occupied Bandwidth(NTNV)(Subtest:4, Channel:132322, Bandwidth:1.4, Modulation:Q16, RB Number: 6, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.027	Peak	1.088	1.239	1.4	Pass

Agilent

Ch Freq 1.745 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.4 dB

Center 1.745 000 GHz Span 2.8 MHz

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

Freq/Channel

Center Freq
1.74500000 GHz

Start Freq
1.74360000 GHz

Stop Freq
1.74640000 GHz

CF Step
280.000000 kHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

1.0877 MHz

x dB -26.00 dB

Transmit Freq Error -1.531 kHz

x dB Bandwidth 1.239 MHz

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19.5. LTE Occupied Bandwidth(NTNV)(Subtest:5, Channel:132665, Bandwidth:1.4, Modulation:QPSK, RB Number: 6, RB Position:LOW)



19.6. LTE Occupied Bandwidth(NTNV)(Subtest:6, Channel:132665, Bandwidth:1.4, Modulation:Q16, RB Number: 6, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1779.3	99	26	0.027	Peak	1.084	1.222	1.4	Pass

Agilent

Ch Freq 1.7793 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 30 dBm #Atten 30 dB

Center 1.779 300 GHz Span 2.8 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

1.0843 MHz

Transmit Freq Error -456.933 Hz x dB -26.00 dB

x dB Bandwidth 1.222 MHz

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Freq/Channel

Center Freq
1.77930000 GHz

Start Freq
1.77790000 GHz

Stop Freq
1.78070000 GHz

CF Step
280.000000 kHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

19.7. LTE Occupied Bandwidth(NTNV)(Subtest:7, Channel:131987, Bandwidth:3, Modulation:QPSK, RB Number: 15, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1711.5	99	26	0.062	Peak	2.704	3.019	3	Pass

Agilent

Ch Freq 1.7115 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.3 dB

Center 1.711 500 GHz Span 6 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

2.7045 MHz

Transmit Freq Error 2.723 kHz x dB -26.00 dB

x dB Bandwidth 3.019 MHz

Freq/Channel

Center Freq
1.71150000 GHz

Start Freq
1.70850000 GHz

Stop Freq
1.71450000 GHz

CF Step
600.000000 kHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

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19.8. LTE Occupied Bandwidth(NTNV)(Subtest:8, Channel:131987, Bandwidth:3, Modulation:Q16, RB Number: 15, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1711.5	99	26	0.062	Peak	2.697	3.001	3	Pass

Agilent

Ch Freq 1.7115 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 30 dB #Atten 30 dB

Center 1.711 500 GHz Span 6 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

2.6975 MHz x dB -26.00 dB

Transmit Freq Error 3.051 kHz

x dB Bandwidth 3.001 MHz

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Freq/Channel

Center Freq
1.71150000 GHz

Start Freq
1.70850000 GHz

Stop Freq
1.71450000 GHz

CF Step
600.000000 kHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

19.9. LTE Occupied Bandwidth(NTNV)(Subtest:9, Channel:132322, Bandwidth:3, Modulation:QPSK, RB Number: 15, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.062	Peak	2.703	2.99	3	Pass

Agilent

Ch Freq 1.745 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.4 dB

Center 1.745 000 GHz Span 6 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

2.7032 MHz

Transmit Freq Error 2.235 kHz x dB -26.00 dB

x dB Bandwidth 2.990 MHz

Freq/Channel

Center Freq
1.74500000 GHz

Start Freq
1.74200000 GHz

Stop Freq
1.74800000 GHz

CF Step
600.000000 kHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

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19.10. LTE Occupied Bandwidth(NTNV)(Subtest:10, Channel:132322, Bandwidth:3, Modulation:Q16, RB Number: 15, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.062	Peak	2.698	2.992	3	Pass

Agilent
Freq/Channel

Ch Freq 1.745 GHz
Ext Ref

Occupied Bandwidth
Averages: 2

Trig Free

Occupied Bandwidth	Occ BW % Pwr	99.00 %
2.6984 MHz	x dB	-26.00 dB
Transmit Freq Error	2.713 kHz	
x dB Bandwidth	2.992 MHz	

Stop Freq	1.74800000 GHz
CF Step	600.000000 kHz Auto Man
Freq Offset	0.00000000 Hz
Signal Track	On Off

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19.11. LTE Occupied Bandwidth(NTNV)(Subtest:11, Channel:132657, Bandwidth:3, Modulation:QPSK, RB Number: 15, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1778.5	99	26	0.062	Peak	2.699	3.008	3	Pass

Agilent

Ch Freq 1.7785 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 30 dBm #Atten 30 dB

Center 1.778 500 GHz Span 6 MHz

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

Freq/Channel

Center Freq
1.77850000 GHz

Start Freq
1.77550000 GHz

Stop Freq
1.78150000 GHz

CF Step
600.000000 kHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

2.6988 MHz

x dB -26.00 dB

Transmit Freq Error 855.472 Hz

x dB Bandwidth 3.008 MHz

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19.12. LTE Occupied Bandwidth(NTNV)(Subtest:12, Channel:132657, Bandwidth:3, Modulation:Q16, RB Number: 15, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1778.5	99	26	0.062	Peak	2.693	3.018	3	Pass

Agilent
Freq/Channel

Ch Freq 1.7785 GHz
Ext Ref

Occupied Bandwidth
Averages: 2

Trig Free

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log

10

dB/

Offst

10.4

dB

Center 1.778 500 GHz
Span 6 MHz

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

Occupied Bandwidth
Occ BW % Pwr 99.00 %

2.6935 MHz
x dB -26.00 dB

Transmit Freq Error -1.797 kHz

x dB Bandwidth 3.018 MHz

Signal Track

On
Off

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19.13. LTE Occupied Bandwidth(NTNV)(Subtest:13, Channel:131997, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1712.5	99	26	0.1	Peak	4.508	4.978	5	Pass

Agilent

Ch Freq 1.7125 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 30 dBm #Atten 30 dB

Center 1.712 500 GHz Span 10 MHz

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

Freq/Channel

Center Freq
1.71250000 GHz

Start Freq
1.70750000 GHz

Stop Freq
1.71750000 GHz

CF Step
1.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

4.5078 MHz x dB -26.00 dB

Transmit Freq Error -2.202 kHz

x dB Bandwidth 4.978 MHz

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19.14. LTE Occupied Bandwidth(NTNV)(Subtest:14, Channel:131997, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1712.5	99	26	0.1	Peak	4.501	4.926	5	Pass

Agilent

Ch Freq 1.7125 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.3 dB

Center 1.712 500 GHz Span 10 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

4.5009 MHz

x dB -26.00 dB

Transmit Freq Error -3.021 kHz

x dB Bandwidth 4.926 MHz

Freq/Channel

Center Freq
1.71250000 GHz

Start Freq
1.70750000 GHz

Stop Freq
1.71750000 GHz

CF Step
1.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

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19.15. LTE Occupied Bandwidth(NTNV)(Subtest:15, Channel:132322, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.1	Peak	4.505	4.971	5	Pass

Agilent

Ch Freq 1.745 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 30 dBm #Atten 30 dB

Center 1.745 000 GHz Span 10 MHz

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

Freq/Channel

Center Freq
1.74500000 GHz

Start Freq
1.74000000 GHz

Stop Freq
1.75000000 GHz

CF Step
1.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

4.5054 MHz

x dB -26.00 dB

Transmit Freq Error 1.812 kHz

x dB Bandwidth 4.971 MHz

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19.16. LTE Occupied Bandwidth(NTNV)(Subtest:16, Channel:132322, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.1	Peak	4.508	4.986	5	Pass

Agilent

Ch Freq 1.745 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.4 dB

Center 1.745 000 GHz Span 10 MHz

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

Freq/Channel

Center Freq 1.74500000 GHz

Start Freq 1.74000000 GHz

Stop Freq 1.75000000 GHz

CF Step 1.00000000 MHz
Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

4.5082 MHz

x dB -26.00 dB

Transmit Freq Error 2.022 kHz

x dB Bandwidth 4.986 MHz

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19.17. LTE Occupied Bandwidth(NTNV)(Subtest:17, Channel:132647, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1777.5	99	26	0.1	Peak	4.495	4.951	5	Pass

Agilent

Ch Freq 1.7775 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 30 dBm #Atten 30 dB

Center 1.777 500 GHz Span 10 MHz

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

Freq/Channel

Center Freq
1.77750000 GHz

Start Freq
1.77250000 GHz

Stop Freq
1.78250000 GHz

CF Step
1.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

4.4953 MHz x dB -26.00 dB

Transmit Freq Error -2.439 kHz

x dB Bandwidth 4.951 MHz

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19.18. LTE Occupied Bandwidth(NTNV)(Subtest:18, Channel:132647, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)



19.19. LTE Occupied Bandwidth(NTNV)(Subtest:19, Channel:132022, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1715	99	26	0.2	Peak	8.972	9.867	10	Pass

Agilent

Ch Freq 1.715 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.3 dB

Center 1.715 00 GHz Span 20 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

8.9720 MHz x dB -26.00 dB

Transmit Freq Error -840.627 Hz

x dB Bandwidth 9.867 MHz

Freq/Channel

Center Freq
1.71500000 GHz

Start Freq
1.70500000 GHz

Stop Freq
1.72500000 GHz

CF Step
2.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

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19.20. LTE Occupied Bandwidth(NTNV)(Subtest:20, Channel:132022, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1715	99	26	0.2	Peak	8.969	9.775	10	Pass

Agilent

Ch Freq 1.715 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.3 dB

Center 1.715 00 GHz Span 20 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

8.9687 MHz x dB -26.00 dB

Transmit Freq Error -412.793 Hz

x dB Bandwidth 9.775 MHz

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Freq/Channel

Center Freq
1.71500000 GHz

Start Freq
1.70500000 GHz

Stop Freq
1.72500000 GHz

CF Step
2.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

19.21. LTE Occupied Bandwidth(NTNV)(Subtest:21, Channel:132322, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.2	Peak	8.98	9.875	10	Pass

Agilent
Freq/Channel

Ch Freq 1.745 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 1.745 00 GHz Span 20 MHz

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

Center Freq 1.74500000 GHz

Start Freq 1.73500000 GHz

Stop Freq 1.75500000 GHz

CF Step 2.00000000 MHz
Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

8.9797 MHz x dB -26.00 dB

Transmit Freq Error 11.558 kHz

x dB Bandwidth 9.875 MHz

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19.22. LTE Occupied Bandwidth(NTNV)(Subtest:22, Channel:132322, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.2	Peak	8.952	9.789	10	Pass

Agilent

Ch Freq 1.745 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak

Log 10

dB/Offst 10.4 dB

Center 1.745 00 GHz Span 20 MHz

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

Freq/Channel

Center Freq
1.74500000 GHz

Start Freq
1.73500000 GHz

Stop Freq
1.75500000 GHz

CF Step
2.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

8.9525 MHz

x dB -26.00 dB

Transmit Freq Error 11.718 kHz

x dB Bandwidth 9.789 MHz

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19.23. LTE Occupied Bandwidth(NTNV)(Subtest:23, Channel:132622, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1775	99	26	0.2	Peak	8.953	9.804	10	Pass

Agilent

Ch Freq 1.775 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 30 dBm #Atten 30 dB

Center 1.775 00 GHz Span 20 MHz

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

Freq/Channel

Center Freq
1.77500000 GHz

Start Freq
1.76500000 GHz

Stop Freq
1.78500000 GHz

CF Step
2.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

8.9534 MHz x dB -26.00 dB

Transmit Freq Error -2.681 kHz

x dB Bandwidth 9.804 MHz

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19.24. LTE Occupied Bandwidth(NTNV)(Subtest:24, Channel:132622, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1775	99	26	0.2	Peak	8.959	9.788	10	Pass

Agilent

Ch Freq 1.775 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 30 dBm #Peak Log 10 dB/Offst 10.4 dB

Center 1.775 00 GHz Span 20 MHz

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

Freq/Channel

Center Freq
1.77500000 GHz

Start Freq
1.76500000 GHz

Stop Freq
1.78500000 GHz

CF Step
2.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

8.9585 MHz x dB -26.00 dB

Transmit Freq Error -5.602 kHz

x dB Bandwidth 9.788 MHz

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19.25. LTE Occupied Bandwidth(NTNV)(Subtest:25, Channel:132047, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1717.5	99	26	0.3	Peak	13.415	14.67	15	Pass

Agilent

Ch Freq 1.7175 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 30 dB #Peak Log 10 dB/Offst 10.3 dB

Center 1.717 50 GHz Span 30 MHz #Res BW 300 kHz #VBW 1 MHz #Sweep 1 s (500 pts)

Freq/Channel

Center Freq
1.71750000 GHz

Start Freq
1.70250000 GHz

Stop Freq
1.73250000 GHz

CF Step
3.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

13.4146 MHz

x dB -26.00 dB

Transmit Freq Error -12.169 kHz

x dB Bandwidth 14.670 MHz

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19.26. LTE Occupied Bandwidth(NTNV)(Subtest:26, Channel:132047, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1717.5	99	26	0.3	Peak	13.401	14.633	15	Pass

Agilent

Ch Freq 1.7175 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Occupied Bandwidth

13.4006 MHz

Transmit Freq Error -21.861 kHz

x dB Bandwidth 14.633 MHz

Occ BW % Pwr 99.00 %
x dB -26.00 dB

Freq/Channel

Center Freq
1.71750000 GHz

Start Freq
1.70250000 GHz

Stop Freq
1.73250000 GHz

CF Step
3.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

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19.27. LTE Occupied Bandwidth(NTNV)(Subtest:27, Channel:132322, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.3	Peak	13.427	14.599	15	Pass

Agilent

Ch Freq 1.745 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 30 dBm #Peak Log 10 dB/Offst 10.4 dB

Center 1.745 00 GHz Span 30 MHz #Res BW 300 kHz #VBW 1 MHz #Sweep 1 s (500 pts)

Freq/Channel

Center Freq
1.74500000 GHz

Start Freq
1.73000000 GHz

Stop Freq
1.76000000 GHz

CF Step
3.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

13.4275 MHz

x dB -26.00 dB

Transmit Freq Error 19.082 kHz

x dB Bandwidth 14.599 MHz

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19.28. LTE Occupied Bandwidth(NTNV)(Subtest:28, Channel:132322, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.3	Peak	13.432	14.587	15	Pass

Agilent

Ch Freq 1.745 GHz Ext Ref Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log dB/ Offst Ext Ref

10 10.4 dB

Center 1.745 00 GHz Span 30 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

13.4316 MHz x dB -26.00 dB

Transmit Freq Error 5.750 kHz

x dB Bandwidth 14.587 MHz

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Freq/Channel

Center Freq 1.74500000 GHz

Start Freq 1.73000000 GHz

Stop Freq 1.76000000 GHz

CF Step 3.00000000 MHz
Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

19.29. LTE Occupied Bandwidth(NTNV)(Subtest:29, Channel:132597, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1772.5	99	26	0.3	Peak	13.419	14.681	15	Pass

Agilent

Ch Freq 1.7725 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 10.4 dB

Center 1.772 50 GHz Span 30 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

13.4195 MHz

x dB -26.00 dB

Transmit Freq Error 4.381 kHz

x dB Bandwidth 14.681 MHz

Freq/Channel

Center Freq
1.77250000 GHz

Start Freq
1.75750000 GHz

Stop Freq
1.78750000 GHz

CF Step
3.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

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19.30. LTE Occupied Bandwidth(NTNV)(Subtest:30, Channel:132597, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1772.5	99	26	0.3	Peak	13.43	14.661	15	Pass

Agilent

Ch Freq 1.7725 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 30 dB #Atten 30 dB

#Peak Log 10 dB/Offst 10.4 dB

Center 1.772 50 GHz Span 30 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

13.4301 MHz

x dB -26.00 dB

Transmit Freq Error 3.235 kHz

x dB Bandwidth 14.661 MHz

Freq/Channel

Center Freq
1.77250000 GHz

Start Freq
1.75750000 GHz

Stop Freq
1.78750000 GHz

CF Step
3.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

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19.31. LTE Occupied Bandwidth(NTNV)(Subtest:31, Channel:132072, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1720	99	26	0.39	Peak	17.844	19.384	20	Pass

Agilent

Ch Freq 1.72 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 30 dB #Atten 30 dB

Center 1.720 00 GHz Span 40 MHz

#Res BW 390 kHz #VBW 1.2 MHz #Sweep 1 s (512 pts)

Freq/Channel

Center Freq
1.72000000 GHz

Start Freq
1.70000000 GHz

Stop Freq
1.74000000 GHz

CF Step
4.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

17.8444 MHz x dB -26.00 dB

Transmit Freq Error -36.093 kHz

x dB Bandwidth 19.384 MHz

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19.32. LTE Occupied Bandwidth(NTNV)(Subtest:32, Channel:132072, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1720	99	26	0.39	Peak	17.865	19.444	20	Pass

Agilent

Ch Freq 1.72 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 30 dBm #Atten 30 dB

Center 1.720 00 GHz Span 40 MHz

#Res BW 390 kHz #VBW 1.2 MHz #Sweep 1 s (512 pts)

Freq/Channel

Center Freq
1.72000000 GHz

Start Freq
1.70000000 GHz

Stop Freq
1.74000000 GHz

CF Step
4.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

17.8651 MHz x dB -26.00 dB

Transmit Freq Error -25.986 kHz

x dB Bandwidth 19.444 MHz

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19.33. LTE Occupied Bandwidth(NTNV)(Subtest:33, Channel:132322, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.39	Peak	17.9	19.442	20	Pass

Agilent

Ch Freq 1.745 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Occupied Bandwidth

17.9001 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error 26.356 kHz

x dB Bandwidth 19.442 MHz

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Freq/Channel

Center Freq
1.74500000 GHz

Start Freq
1.72500000 GHz

Stop Freq
1.76500000 GHz

CF Step
4.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

19.34. LTE Occupied Bandwidth(NTNV)(Subtest:34, Channel:132322, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.39	Peak	17.868	19.427	20	Pass

Agilent

Ch Freq 1.745 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 30 dB #Atten 30 dB

#Peak Log 10 dB/Offst 10.4 dB

Center 1.745 00 GHz Span 40 MHz

#Res BW 390 kHz #VBW 1.2 MHz #Sweep 1 s (512 pts)

Freq/Channel

Center Freq
1.74500000 GHz

Start Freq
1.72500000 GHz

Stop Freq
1.76500000 GHz

CF Step
4.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

17.8684 MHz x dB -26.00 dB

Transmit Freq Error 24.072 kHz

x dB Bandwidth 19.427 MHz

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19.35. LTE Occupied Bandwidth(NTNV)(Subtest:35, Channel:132572, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1770	99	26	0.39	Peak	17.942	19.628	20	Pass

Agilent
Freq/Channel

Ch Freq 1.77 GHz
Ext Ref

Occupied Bandwidth
Averages: 2

Trig Free

Ref 30 dBm #Atten 30 dB

Center 1.770 00 GHz Span 40 MHz
 #Res BW 390 kHz #VBW 1.2 MHz #Sweep 1 s (512 pts)

Occupied Bandwidth Occ BW % Pwr 99.00 %
17.9416 MHz x dB -26.00 dB

Transmit Freq Error -25.089 kHz
 x dB Bandwidth 19.628 MHz

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Center Freq 1.77000000 GHz

Start Freq 1.75000000 GHz

Stop Freq 1.79000000 GHz

CF Step 4.00000000 MHz
Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

19.36. LTE Occupied Bandwidth(NTNV)(Subtest:36, Channel:132572, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1770	99	26	0.39	Peak	17.929	19.44	20	Pass

Agilent

Ch Freq 1.77 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Occupied Bandwidth 17.9293 MHz

Occ BW % Pwr 99.00 %

x dB Bandwidth 19.440 MHz

x dB -26.00 dB

Transmit Freq Error 3.256 kHz

Freq/Channel

Center Freq
1.77000000 GHz

Start Freq
1.75000000 GHz

Stop Freq
1.79000000 GHz

CF Step
4.00000000 MHz
Auto Man

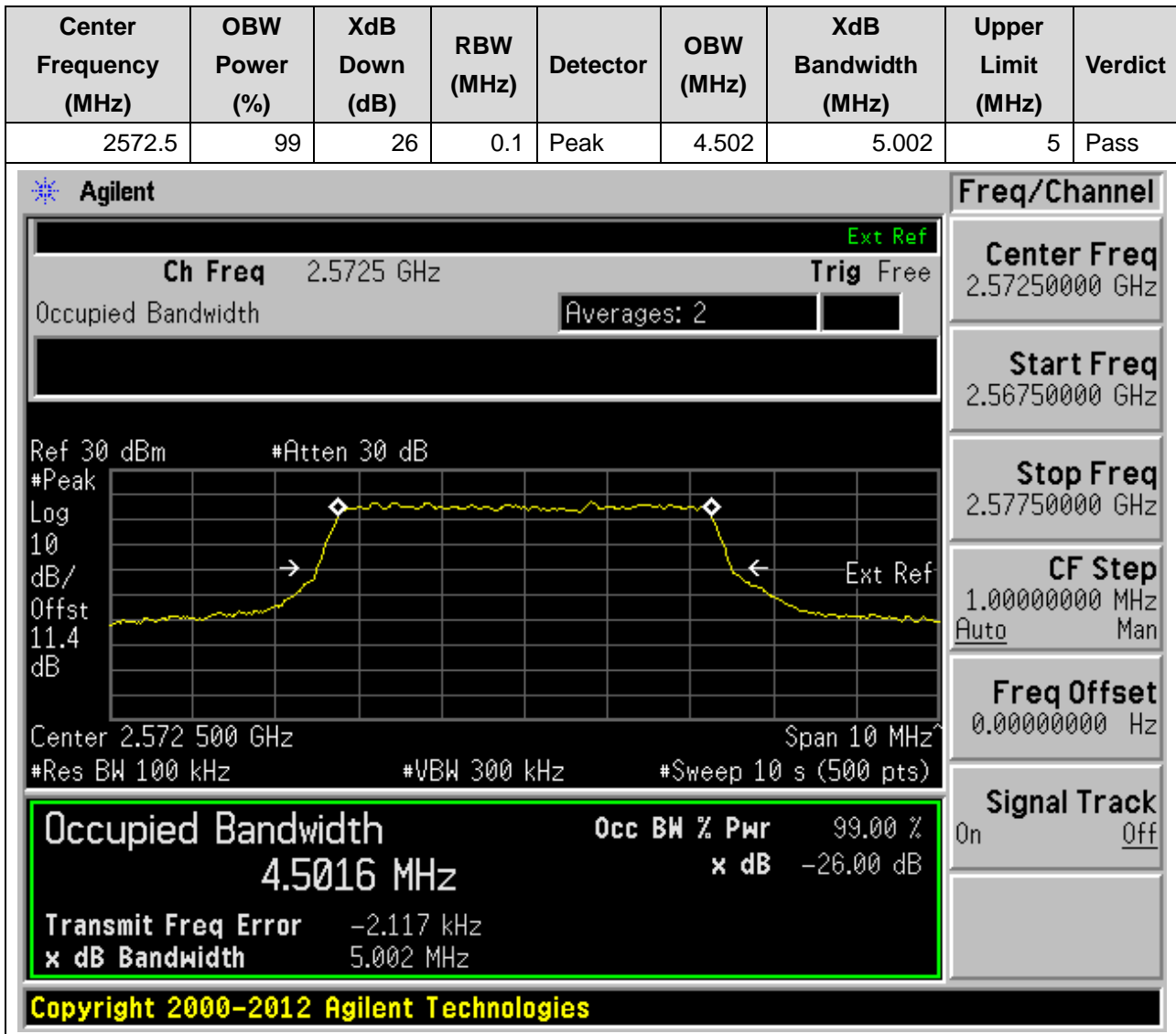
Freq Offset
0.00000000 Hz

Signal Track
On Off

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20. LTE_Band38

20.1. LTE Occupied Bandwidth(NTNV)(Subtest:1, Channel:37775, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)



20.2. LTE Occupied Bandwidth(NTNV)(Subtest:2, Channel:37775, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2572.5	99	26	0.1	Peak	4.506	4.975	5	Pass

Agilent

Ch Freq 2.5725 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 30 dBm #Atten 30 dB
#Peak
Log 10 dB/Offst 11.4 dB
Center 2.572 500 GHz Span 10 MHz
#Res BW 100 kHz #VBW 300 kHz #Sweep 10 s (500 pts)

Freq/Channel

Center Freq
2.57250000 GHz

Start Freq
2.56750000 GHz

Stop Freq
2.57750000 GHz

CF Step
1.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

4.5056 MHz x dB -26.00 dB

Transmit Freq Error -4.368 kHz

x dB Bandwidth 4.975 MHz

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20.3. LTE Occupied Bandwidth(NTNV)(Subtest:3, Channel:38000, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)



20.4. LTE Occupied Bandwidth(NTNV)(Subtest:4, Channel:38000, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2595	99	26	0.1	Peak	4.499	4.99	5	Pass

Agilent

Ch Freq 2.595 GHz Ext Ref

Occupied Bandwidth Averages: 2

Center 2.595 000 GHz Span 10 MHz

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

Freq/Channel

Center Freq
2.59500000 GHz

Start Freq
2.59000000 GHz

Stop Freq
2.60000000 GHz

CF Step
1.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

4.4989 MHz x dB -26.00 dB

Transmit Freq Error -5.867 kHz

x dB Bandwidth 4.990 MHz

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20.5. LTE Occupied Bandwidth(NTNV)(Subtest:5, Channel:38225, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)



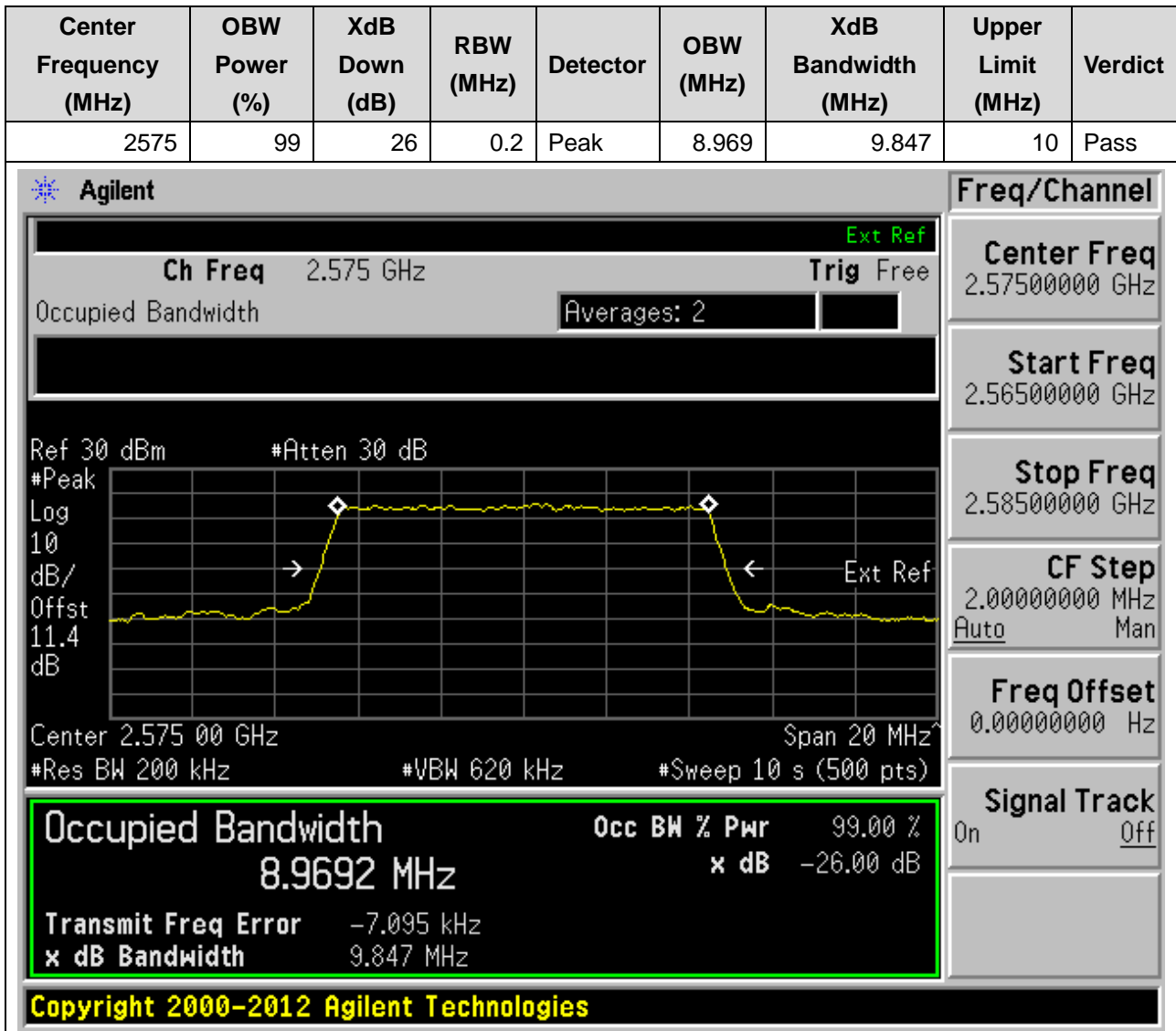
20.6. LTE Occupied Bandwidth(NTNV)(Subtest:6, Channel:38225, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)



20.7. LTE Occupied Bandwidth(NTNV)(Subtest:7, Channel:37800, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)



20.8. LTE Occupied Bandwidth(NTNV)(Subtest:8, Channel:37800, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)



20.9. LTE Occupied Bandwidth(NTNV)(Subtest:9, Channel:38000, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)



20.10. LTE Occupied Bandwidth(NTNV)(Subtest:10, Channel:38000, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2595	99	26	0.2	Peak	8.982	9.783	10	Pass

Agilent
Freq/Channel

Ch Freq 2.595 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Center Freq
2.59500000 GHz

Start Freq
2.58500000 GHz

Stop Freq
2.60500000 GHz

CF Step
2.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Ref 30 dBm #Atten 30 dB

Center 2.595 00 GHz Span 20 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

8.9822 MHz x dB -26.00 dB

Transmit Freq Error -1.196 kHz

x dB Bandwidth 9.783 MHz

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20.11. LTE Occupied Bandwidth(NTNV)(Subtest:11, Channel:38200, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2615	99	26	0.2	Peak	8.98	9.92	10	Pass

Agilent

Ch Freq 2.615 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.4 dB

Center 2.615 00 GHz Span 20 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

8.9801 MHz

Transmit Freq Error -13.571 kHz

x dB Bandwidth 9.920 MHz x dB -26.00 dB

Freq/Channel

Center Freq
2.61500000 GHz

Start Freq
2.60500000 GHz

Stop Freq
2.62500000 GHz

CF Step
2.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

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20.12. LTE Occupied Bandwidth(NTNV)(Subtest:12, Channel:38200, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2615	99	26	0.2	Peak	8.948	9.772	10	Pass

Agilent

Ch Freq 2.615 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.4 dB

Center 2.615 00 GHz Span 20 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

8.9477 MHz x dB -26.00 dB

Transmit Freq Error -14.097 kHz

x dB Bandwidth 9.772 MHz

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Freq/Channel

Center Freq
2.61500000 GHz

Start Freq
2.60500000 GHz

Stop Freq
2.62500000 GHz

CF Step
2.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

20.13. LTE Occupied Bandwidth(NTNV)(Subtest:13, Channel:37825, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2577.5	99	26	0.3	Peak	13.397	14.68	15	Pass

Agilent

Ch Freq 2.5775 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak

Log

10

dB/Offst

11.4

dB

Center 2.577 50 GHz Span 30 MHz

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

Freq/Channel

Center Freq
2.57750000 GHz

Start Freq
2.56250000 GHz

Stop Freq
2.59250000 GHz

CF Step
3.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

13.3969 MHz x dB -26.00 dB

Transmit Freq Error -12.789 kHz

x dB Bandwidth 14.680 MHz

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20.14. LTE Occupied Bandwidth(NTNV)(Subtest:14, Channel:37825, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2577.5	99	26	0.3	Peak	13.481	14.738	15	Pass

Agilent

Ch Freq 2.5775 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.4 dB

Center 2.577 50 GHz Span 30 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

13.4808 MHz

x dB -26.00 dB

Transmit Freq Error -22.516 kHz

x dB Bandwidth 14.738 MHz

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Freq/Channel

Center Freq
2.57750000 GHz

Start Freq
2.56250000 GHz

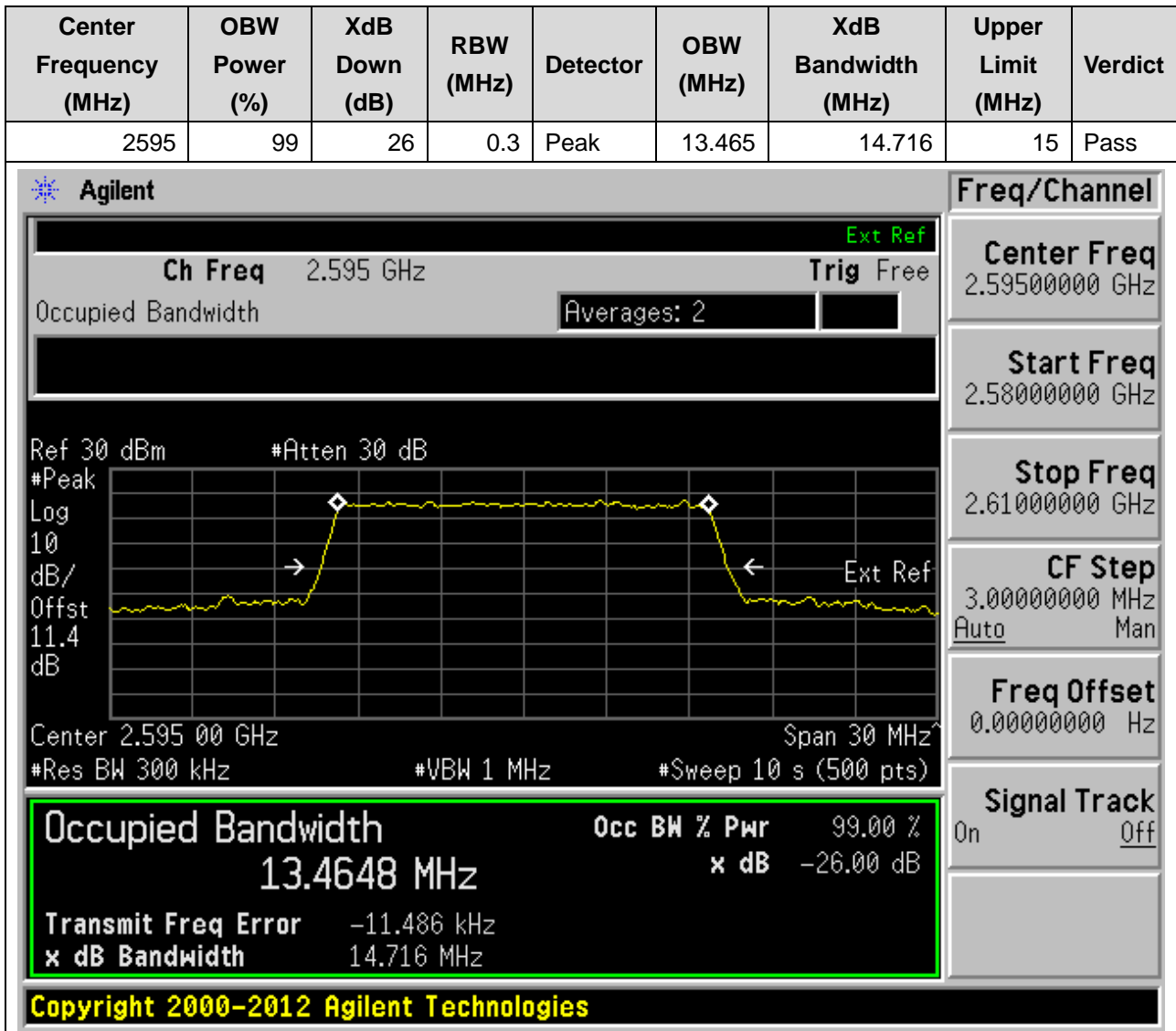
Stop Freq
2.59250000 GHz

CF Step
3.00000000 MHz
Auto Man

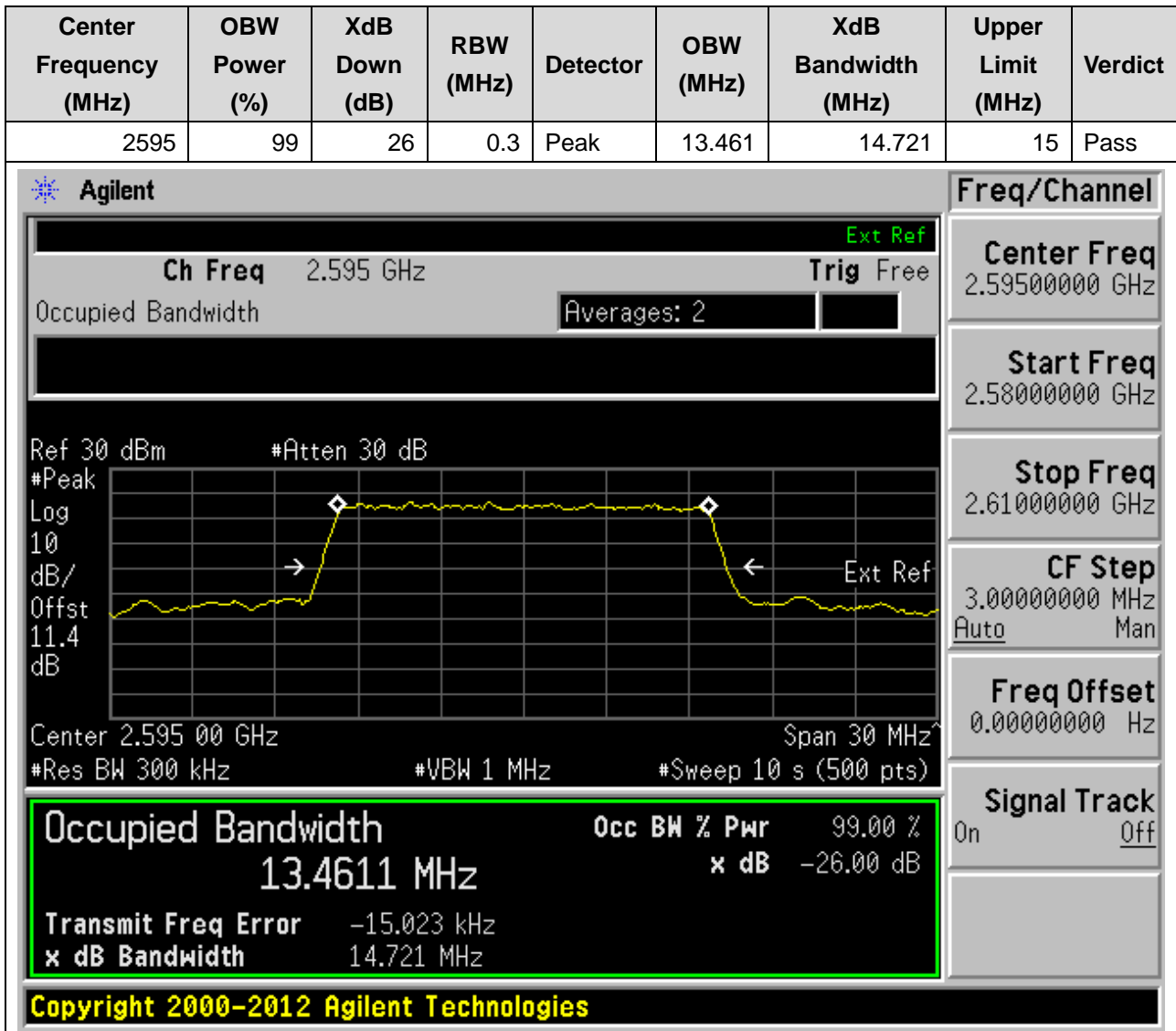
Freq Offset
0.00000000 Hz

Signal Track
On Off

20.15. LTE Occupied Bandwidth(NTNV)(Subtest:15, Channel:38000, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)



20.16. LTE Occupied Bandwidth(NTNV)(Subtest:16, Channel:38000, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)



20.17. LTE Occupied Bandwidth(NTNV)(Subtest:17, Channel:38175, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)



20.18. LTE Occupied Bandwidth(NTNV)(Subtest:18, Channel:38175, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2612.5	99	26	0.3	Peak	13.491	14.774	15	Pass

Agilent

Ch Freq 2.6125 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 30 dB #Peak Log 10 dB/Offst 11.4 dB

Center 2.612 50 GHz Span 30 MHz #Res BW 300 kHz #VBW 1 MHz #Sweep 10 s (500 pts)

Freq/Channel

Center Freq
2.61250000 GHz

Start Freq
2.59750000 GHz

Stop Freq
2.62750000 GHz

CF Step
3.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

13.4913 MHz

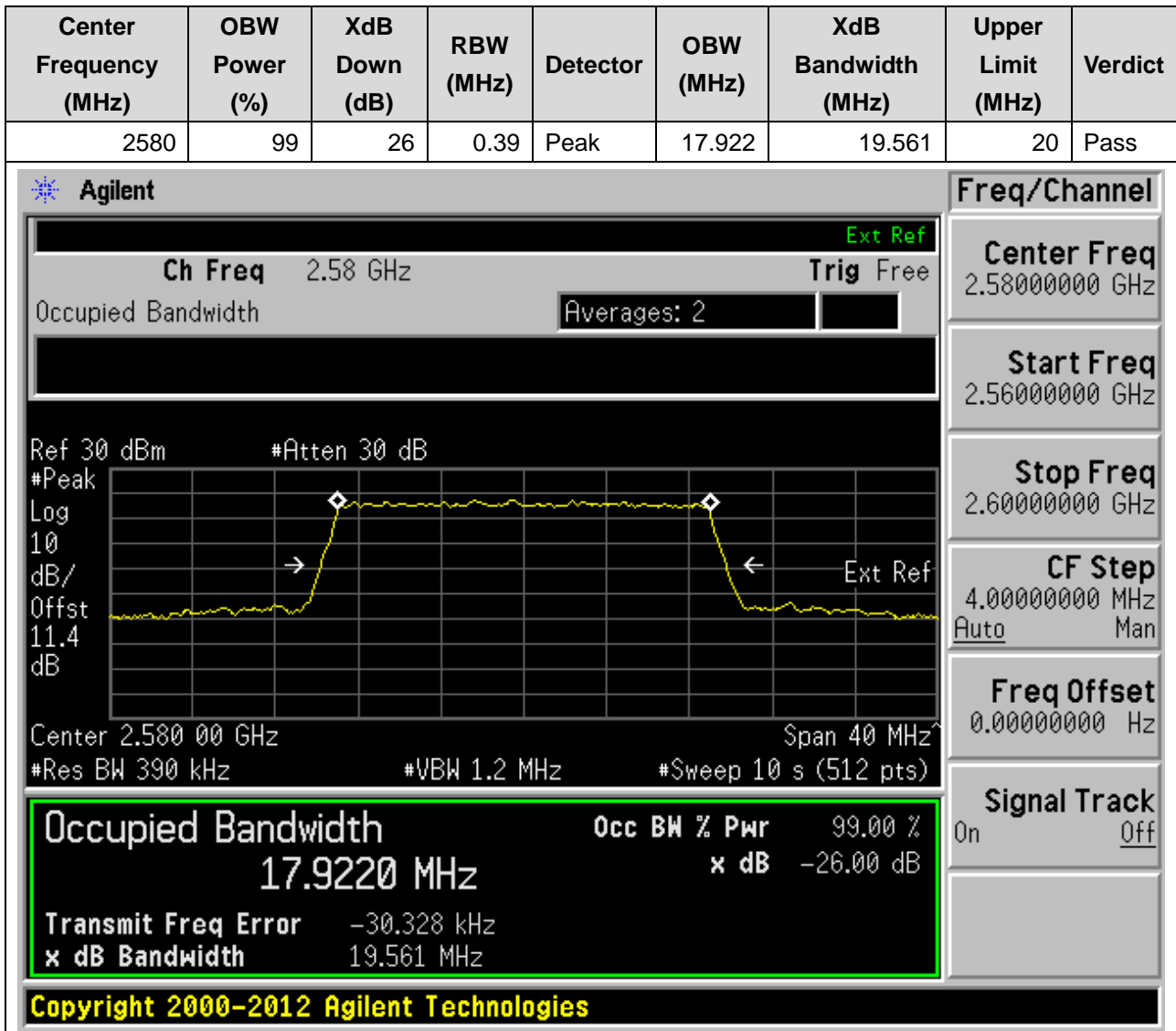
x dB -26.00 dB

Transmit Freq Error -12.854 kHz

x dB Bandwidth 14.774 MHz

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20.19. LTE Occupied Bandwidth(NTNV)(Subtest:19, Channel:37850, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)



20.20. LTE Occupied Bandwidth(NTNV)(Subtest:20, Channel:37850, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2580	99	26	0.39	Peak	17.884	19.547	20	Pass

Agilent

Ch Freq 2.58 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak

Log

10

dB/Offst

11.4

dB

Center 2.580 00 GHz Span 40 MHz

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

Freq/Channel

Center Freq
2.58000000 GHz

Start Freq
2.56000000 GHz

Stop Freq
2.60000000 GHz

CF Step
4.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

17.8842 MHz

x dB -26.00 dB

Transmit Freq Error -14.911 kHz

x dB Bandwidth 19.547 MHz

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20.21. LTE Occupied Bandwidth(NTNV)(Subtest:21, Channel:38000, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2595	99	26	0.39	Peak	17.938	19.389	20	Pass

Agilent

Ch Freq 2.595 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Center 2.595 00 GHz Span 40 MHz

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

Freq/Channel

Center Freq
2.59500000 GHz

Start Freq
2.57500000 GHz

Stop Freq
2.61500000 GHz

CF Step
4.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

17.9381 MHz

x dB -26.00 dB

Transmit Freq Error -27.718 kHz

x dB Bandwidth 19.389 MHz

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20.22. LTE Occupied Bandwidth(NTNV)(Subtest:22, Channel:38000, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2595	99	26	0.39	Peak	17.907	19.562	20	Pass

Agilent

Ch Freq 2.595 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Center 2.595 00 GHz Span 40 MHz

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

Freq/Channel

Center Freq
2.59500000 GHz

Start Freq
2.57500000 GHz

Stop Freq
2.61500000 GHz

CF Step
4.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

17.9066 MHz x dB -26.00 dB

Transmit Freq Error -36.059 kHz

x dB Bandwidth 19.562 MHz

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20.23. LTE Occupied Bandwidth(NTNV)(Subtest:23, Channel:38150, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2610	99	26	0.39	Peak	17.892	19.424	20	Pass

Agilent

Ch Freq 2.61 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak

Log

10

dB/Offst 11.4 dB

Center 2.610 00 GHz Span 40 MHz

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

Freq/Channel

Center Freq
2.61000000 GHz

Start Freq
2.59000000 GHz

Stop Freq
2.63000000 GHz

CF Step
4.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

17.8919 MHz

x dB -26.00 dB

Transmit Freq Error -13.517 kHz

x dB Bandwidth 19.424 MHz

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20.24. LTE Occupied Bandwidth(NTNV)(Subtest:24, Channel:38150, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2610	99	26	0.39	Peak	17.888	19.528	20	Pass

Agilent

Ch Freq 2.61 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.4 dB

Center 2.610 00 GHz Span 40 MHz

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

Freq/Channel

Center Freq
2.61000000 GHz

Start Freq
2.59000000 GHz

Stop Freq
2.63000000 GHz

CF Step
4.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

17.885 MHz

x dB -26.00 dB

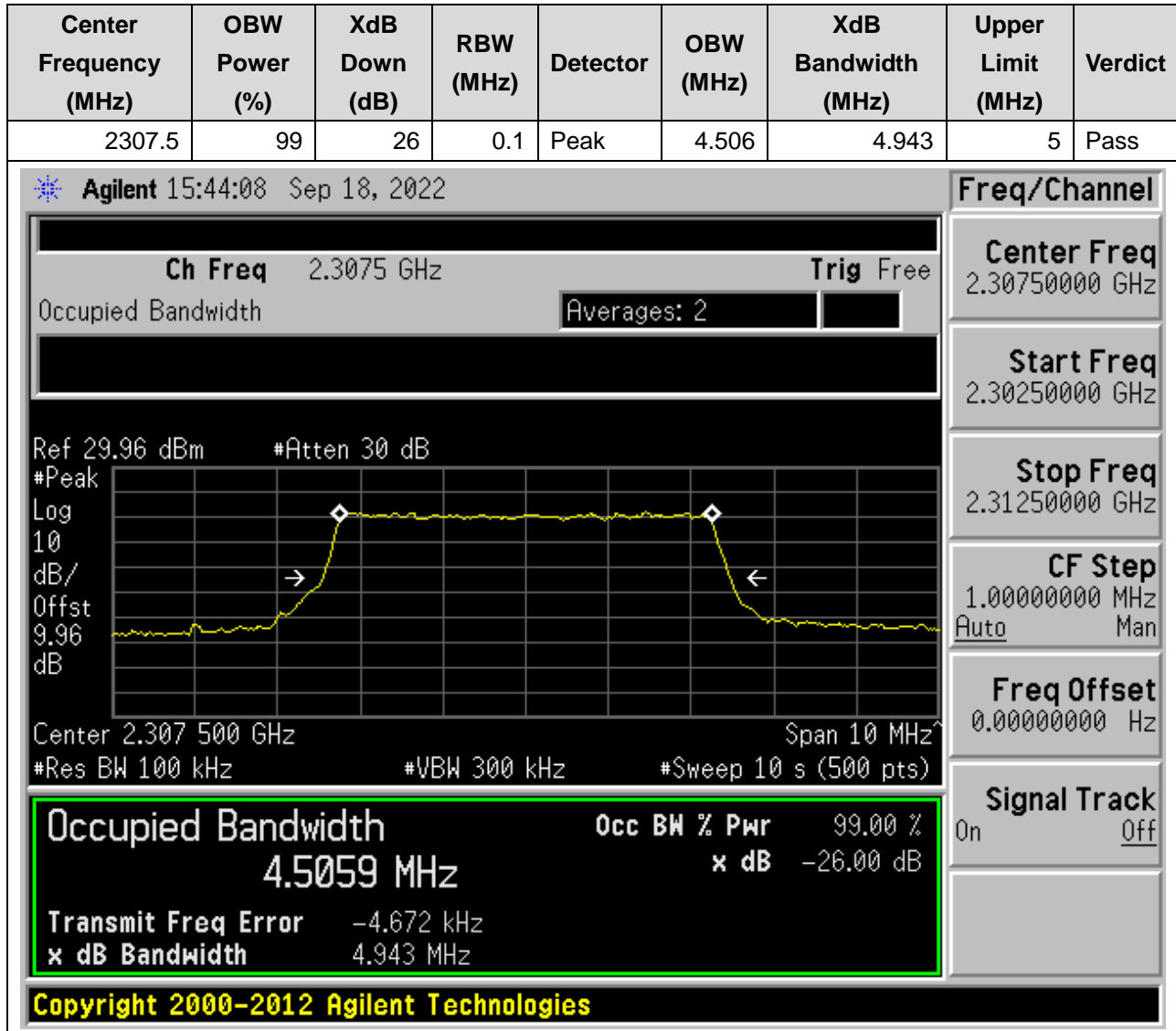
Transmit Freq Error -30.584 kHz

x dB Bandwidth 19.528 MHz

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21. LTE_Band40(2305-2315MHz)

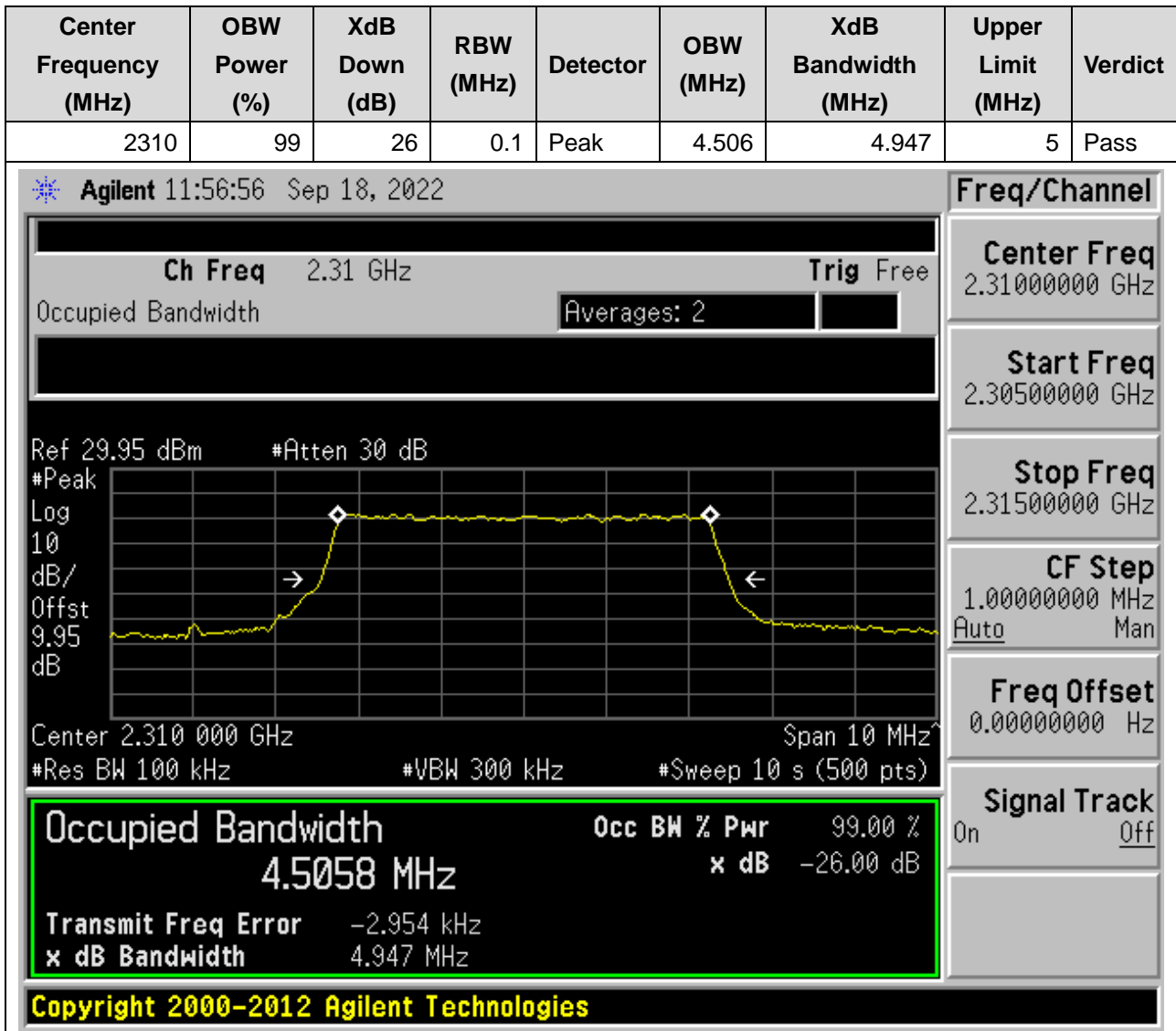
21.1. LTE Occupied Bandwidth(NTNV)(Subtest:1, Channel:38725, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)



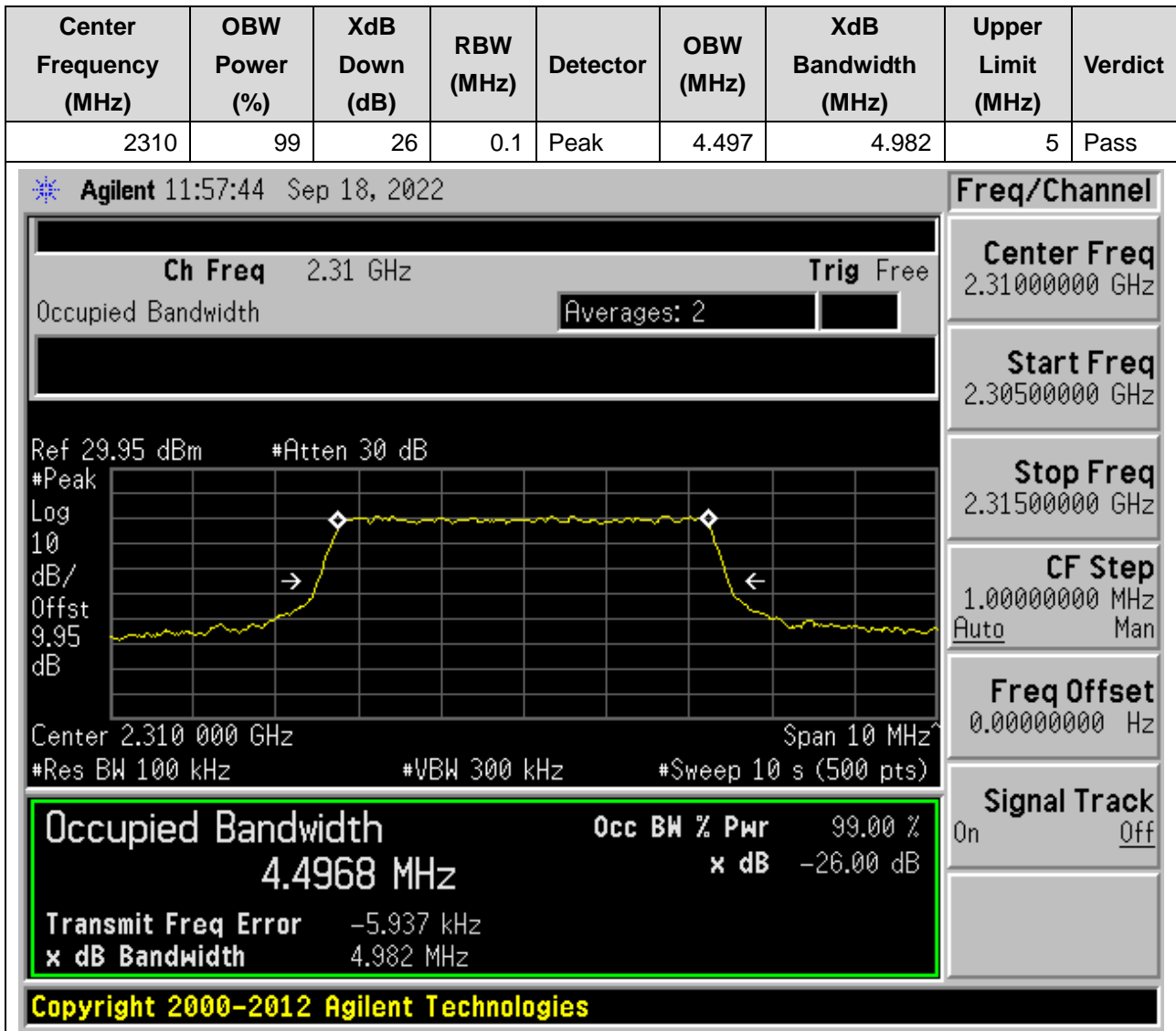
21.2. LTE Occupied Bandwidth(NTNV)(Subtest:2, Channel:38725, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)



21.3. LTE Occupied Bandwidth(NTNV)(Subtest:3, Channel:38750, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)



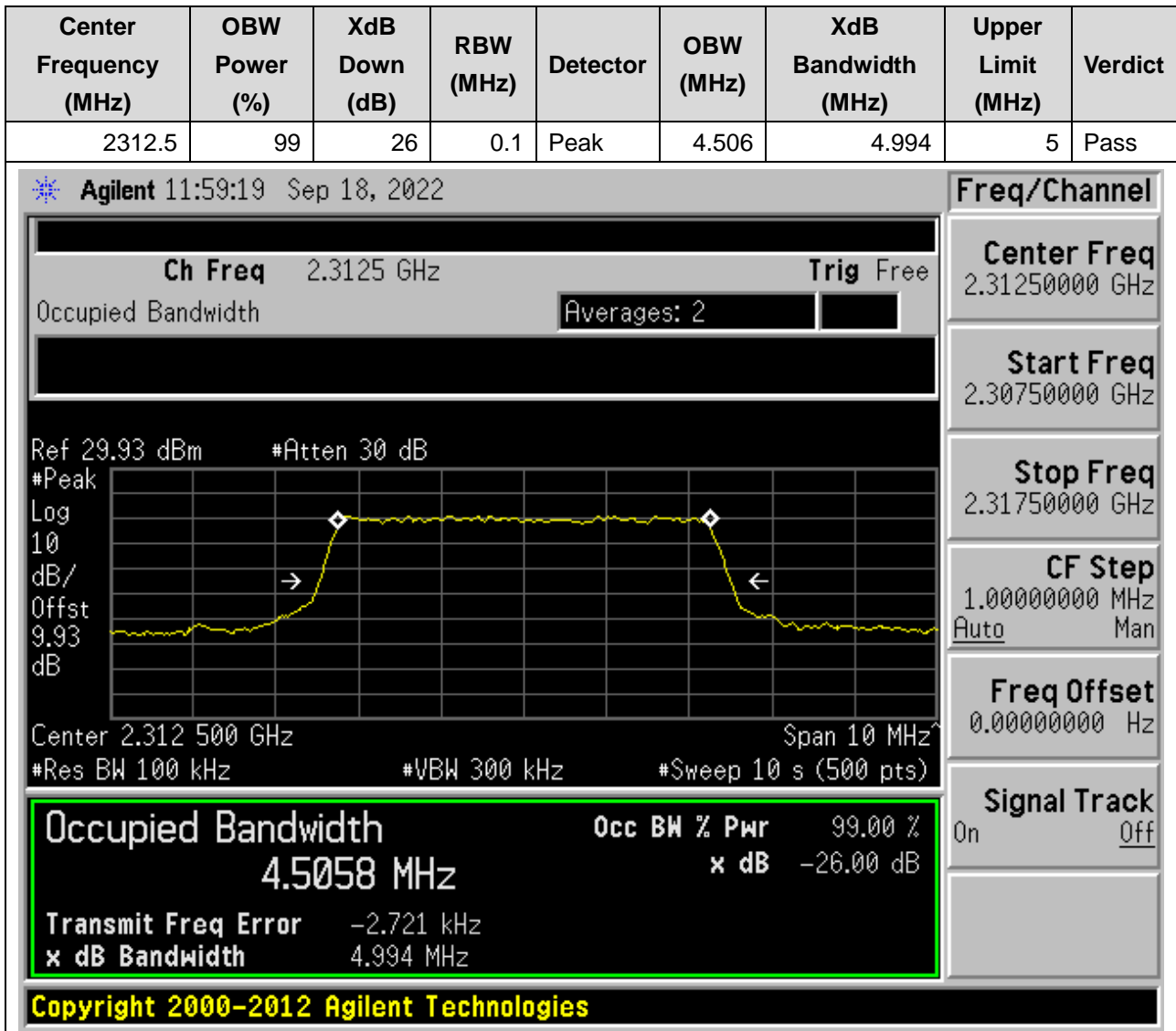
21.4. LTE Occupied Bandwidth(NTNV)(Subtest:4, Channel:38750, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)



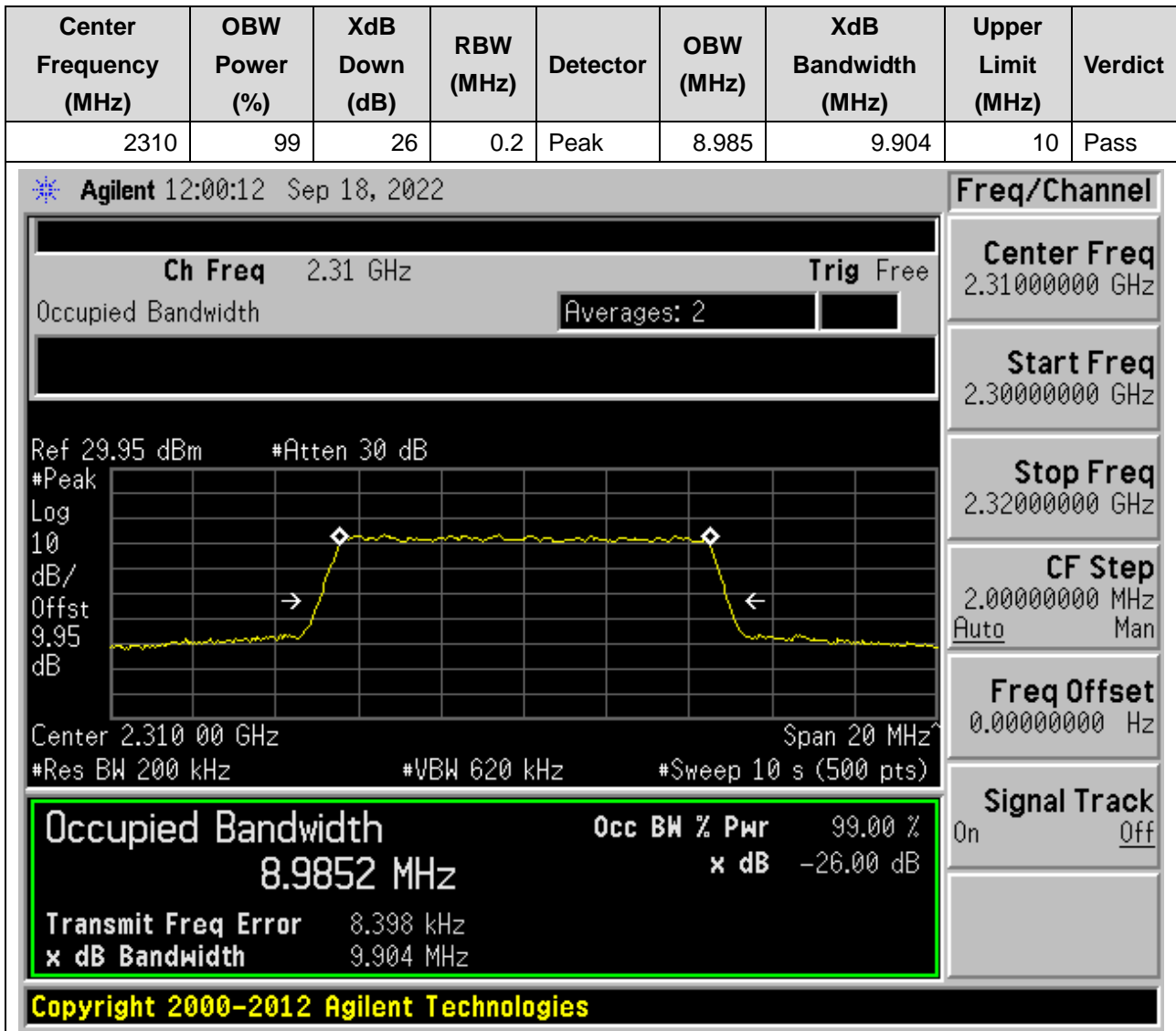
21.5. LTE Occupied Bandwidth(NTNV)(Subtest:5, Channel:38775, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)



21.6. LTE Occupied Bandwidth(NTNV)(Subtest:6, Channel:38775, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)



21.7. LTE Occupied Bandwidth(NTNV)(Subtest:7, Channel:38750, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)



21.8. LTE Occupied Bandwidth(NTNV)(Subtest:8, Channel:38750, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2310	99	26	0.2	Peak	8.976	9.784	10	Pass

Agilent 12:00:59 Sep 18, 2022

Ch Freq 2.31 GHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Ref 29.95 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 9.95 dB

Center 2.310 00 GHz Span 20 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
8.9755 MHz	x dB	-26.00 dB
Transmit Freq Error	-10.077 kHz	
x dB Bandwidth	9.784 MHz	

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Freq/Channel

Center Freq
2.31000000 GHz

Start Freq
2.30000000 GHz

Stop Freq
2.32000000 GHz

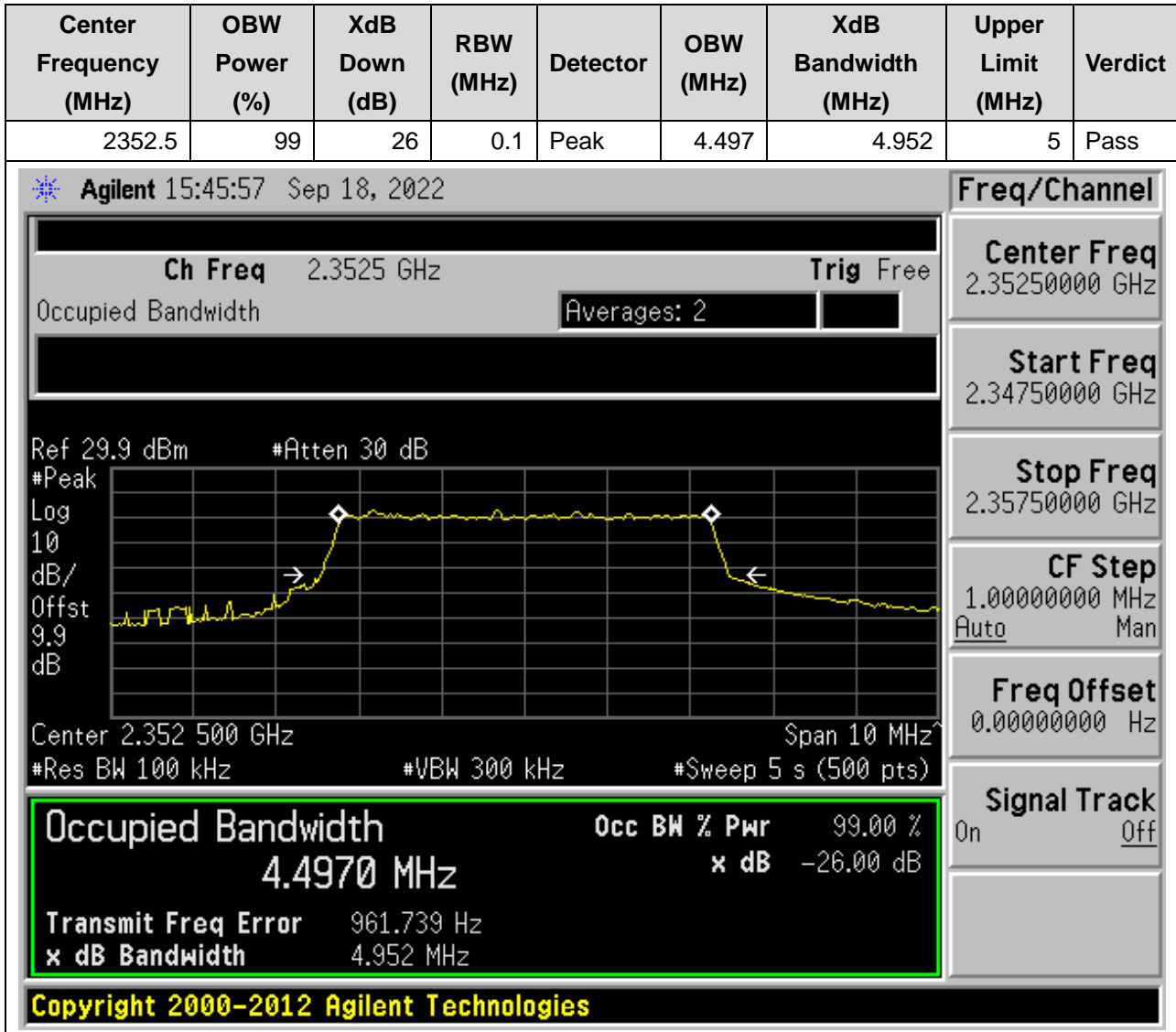
CF Step
2.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

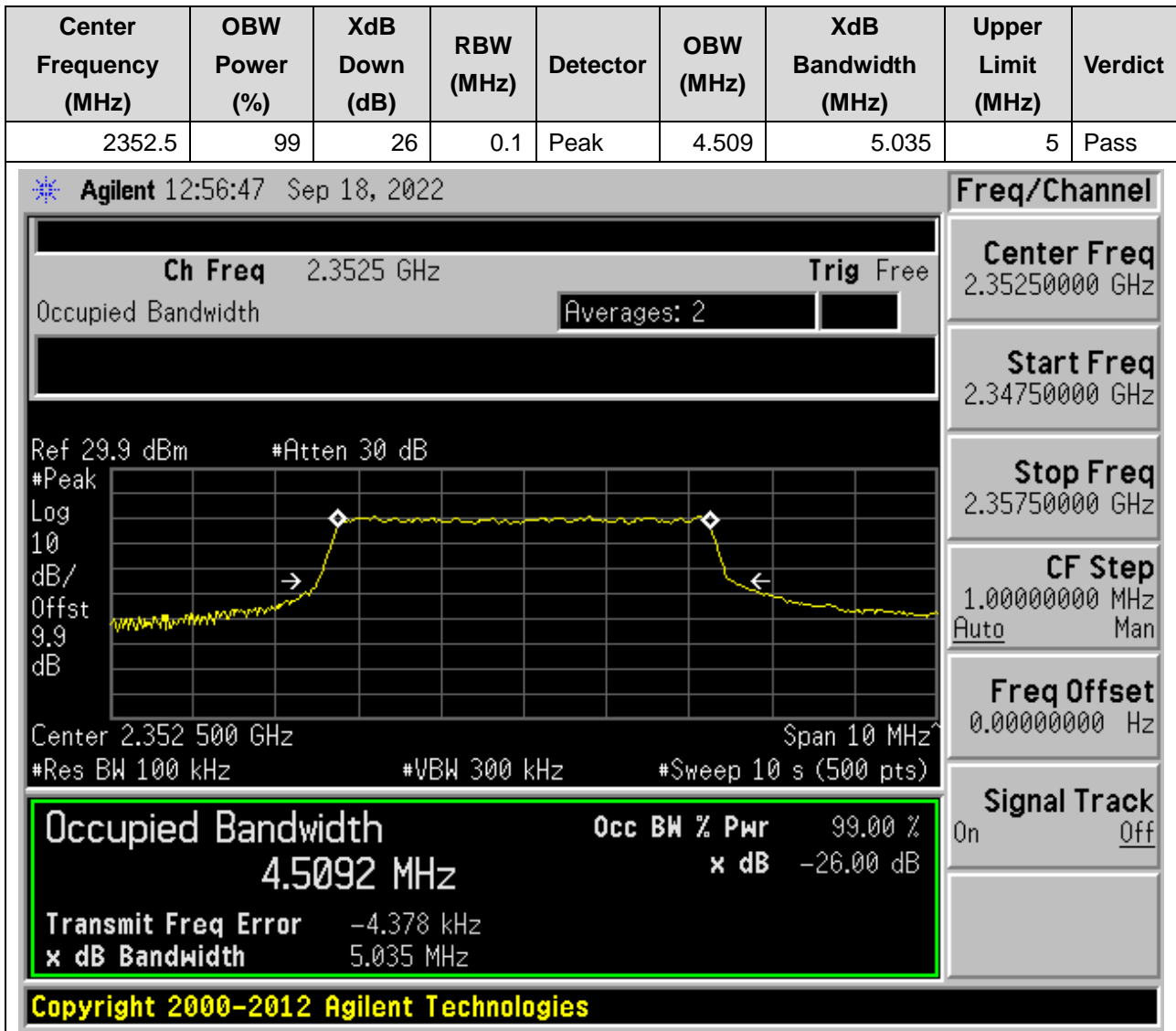
Signal Track
On Off

22. LTE_Band40(2350-2360MHz)

22.1. LTE Occupied Bandwidth(NTNV)(Subtest:1, Channel:39175, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)



22.2. LTE Occupied Bandwidth(NTNV)(Subtest:2, Channel:39175, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)



22.3. LTE Occupied Bandwidth(NTNV)(Subtest:3, Channel:39200, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2355	99	26	0.1	Peak	4.509	4.959	5	Pass

Agilent 12:57:37 Sep 18, 2022

Ch Freq 2.355 GHz **Trig** Free

Occupied Bandwidth **Averages:** 2

Ref 29.91 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 9.91 dB

Center 2.355 000 GHz Span 10 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
4.5093 MHz	x dB -26.00 dB
Transmit Freq Error -6.002 kHz	
x dB Bandwidth 4.959 MHz	

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Freq/Channel

Center Freq 2.35500000 GHz

Start Freq 2.35000000 GHz

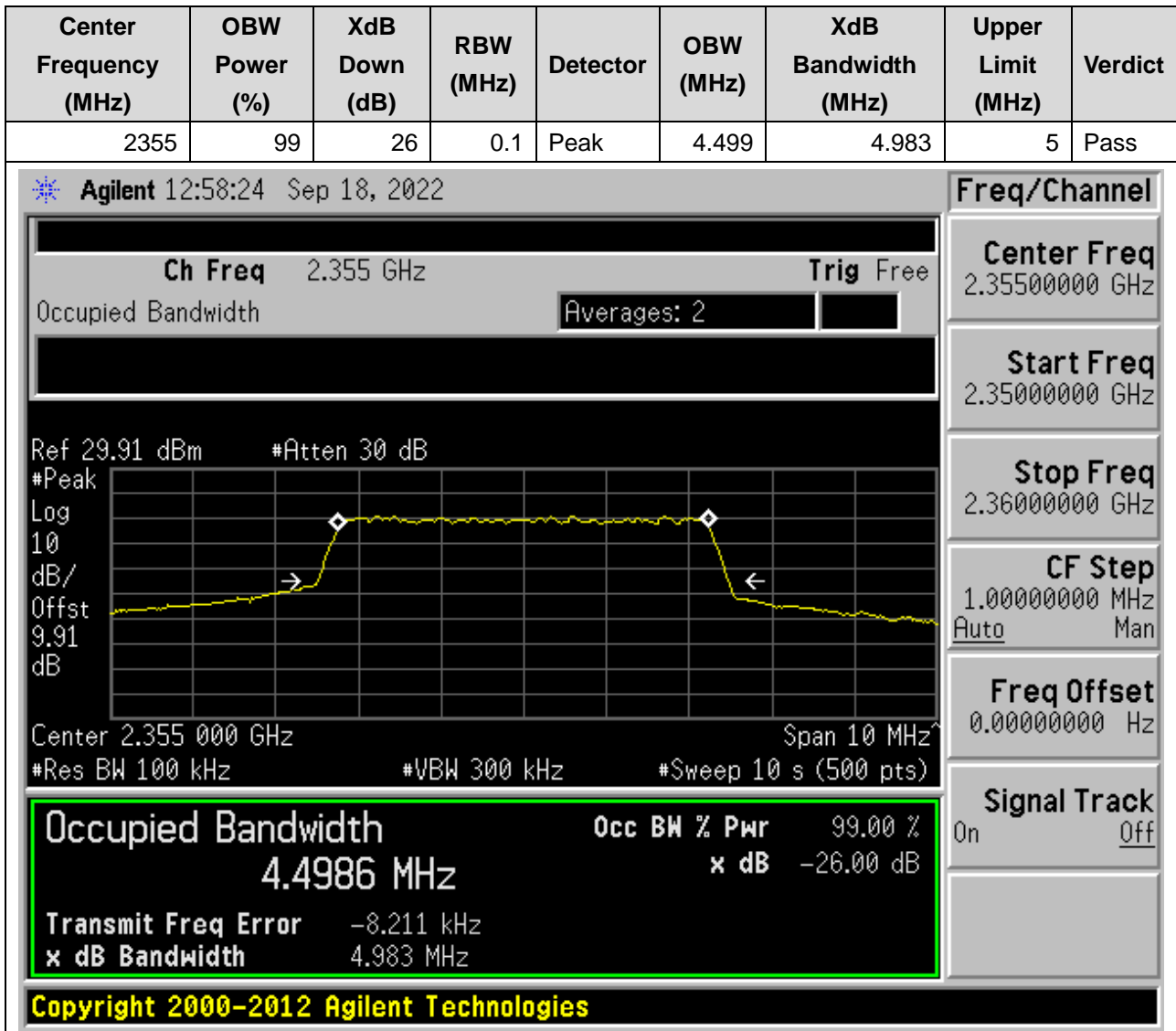
Stop Freq 2.36000000 GHz

CF Step 1.00000000 MHz
Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

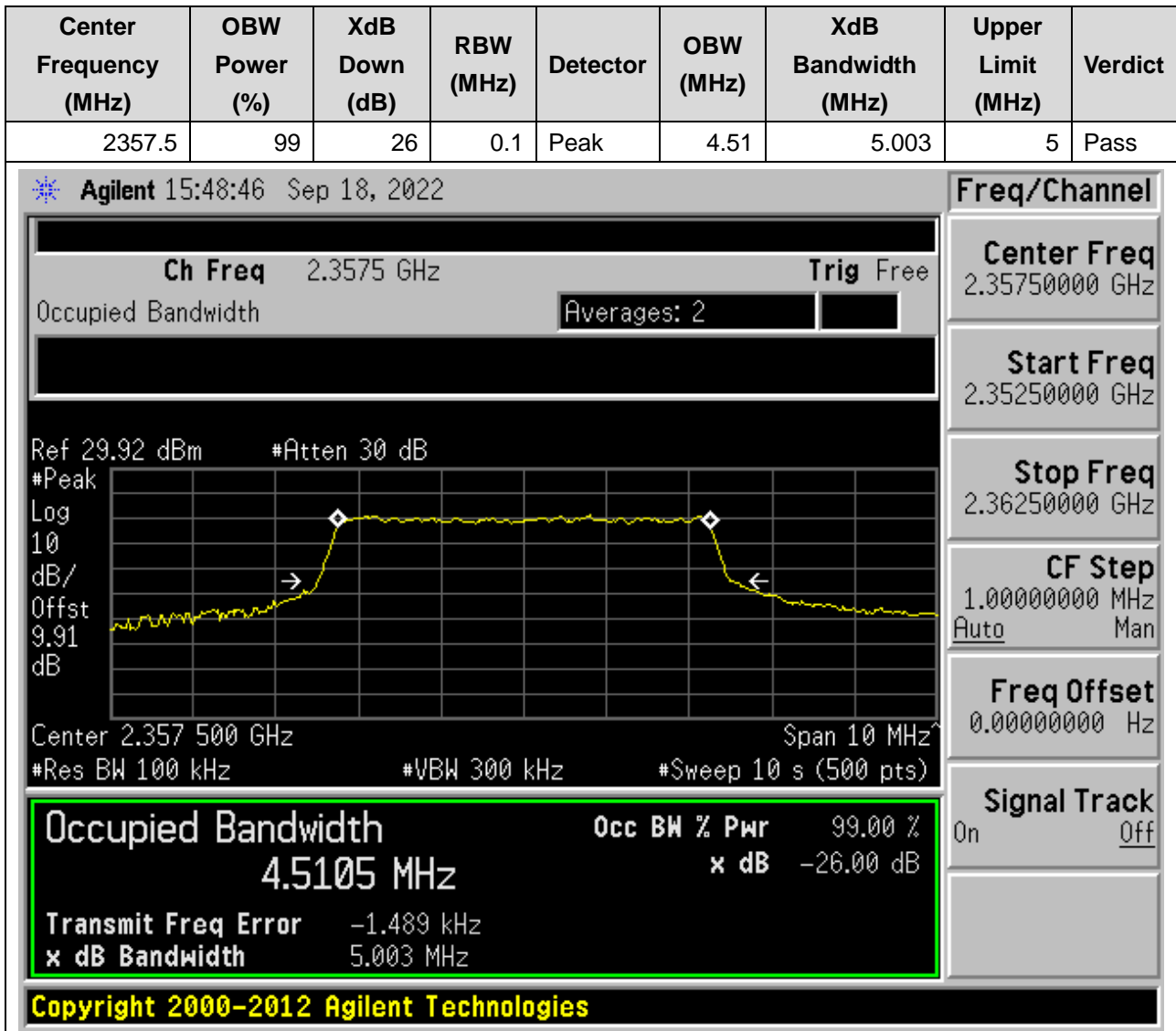
22.4. LTE Occupied Bandwidth(NTNV)(Subtest:4, Channel:39200, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)



22.5. LTE Occupied Bandwidth(NTNV)(Subtest:5, Channel:39225, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)



22.6. LTE Occupied Bandwidth(NTNV)(Subtest:6, Channel:39225, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)



22.7. LTE Occupied Bandwidth(NTNV)(Subtest:7, Channel:39200, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2355	99	26	0.2	Peak	8.98	9.883	10	Pass

Agilent 13:00:52 Sep 18, 2022

Ch Freq 2.355 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.91 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 9.91 dB

Center 2.355 00 GHz Span 20 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
8.9799 MHz	x dB	-26.00 dB
Transmit Freq Error		1.751 kHz
x dB Bandwidth		9.883 MHz

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Freq/Channel

Center Freq
2.35500000 GHz

Start Freq
2.34500000 GHz

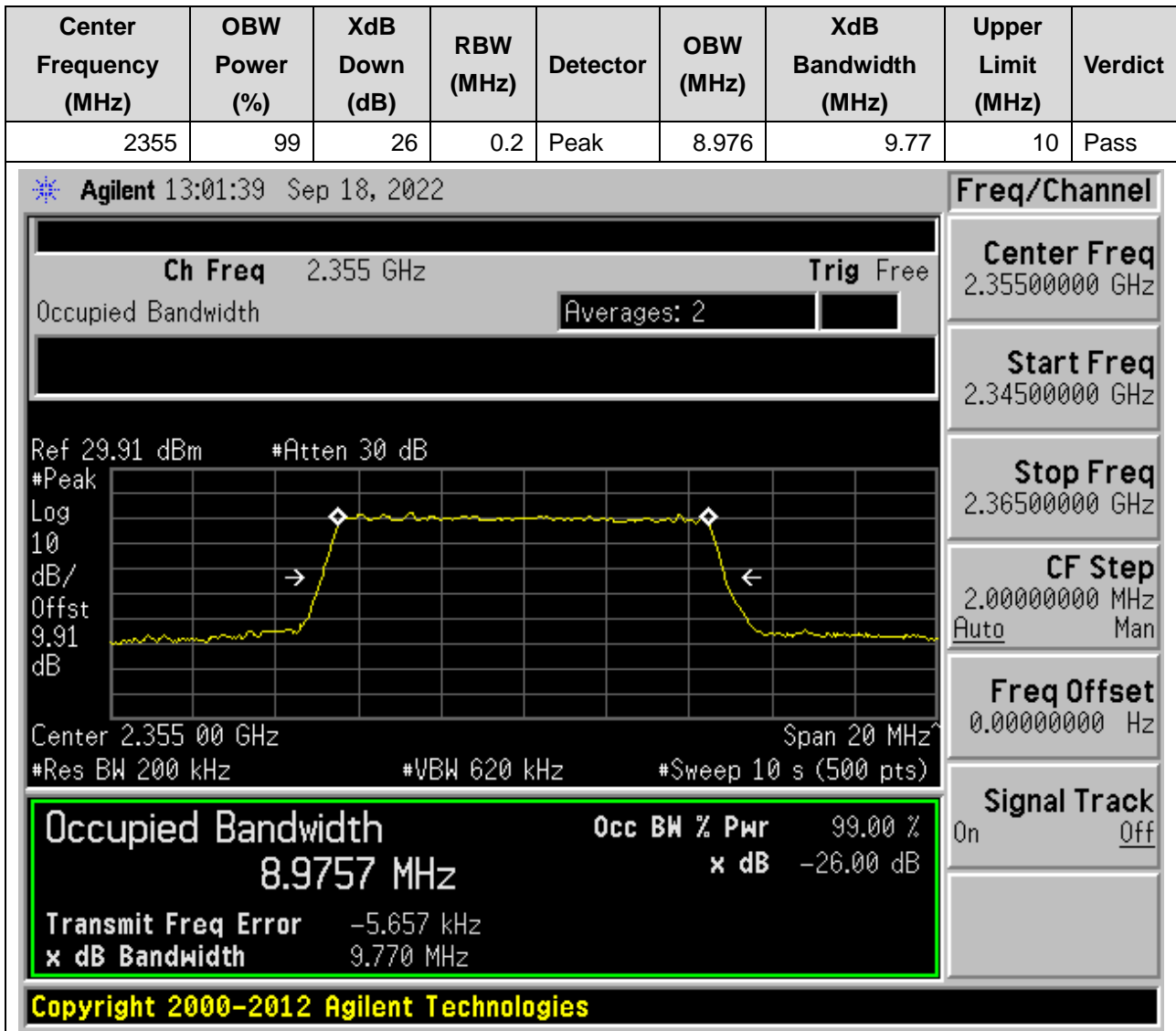
Stop Freq
2.36500000 GHz

CF Step
2.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

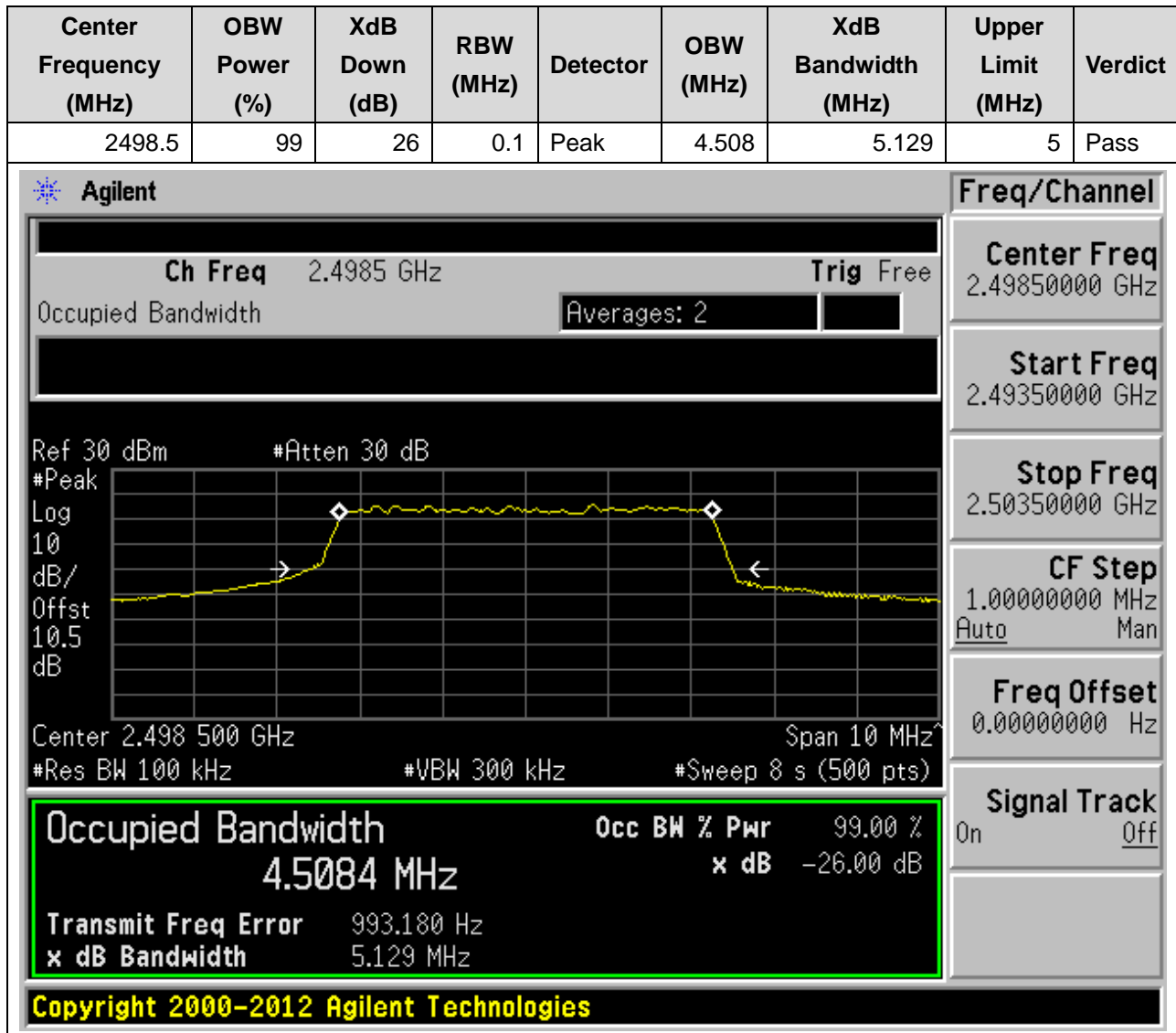
Signal Track
On Off

22.8. LTE Occupied Bandwidth(NTNV)(Subtest:8, Channel:39200, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)



23. LTE_Band41 full

23.1. LTE Occupied Bandwidth(NTNV)(Subtest:1, Channel:39675, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)



23.2. LTE Occupied Bandwidth(NTNV)(Subtest:2, Channel:39675, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)



23.3. LTE Occupied Bandwidth(NTNV)(Subtest:3, Channel:40620, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)



23.4. LTE Occupied Bandwidth(NTNV)(Subtest:4, Channel:40620, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)



23.5. LTE Occupied Bandwidth(NTNV)(Subtest:5, Channel:41565, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2687.5	99	26	0.1	Peak	4.498	4.962	5	Pass

Agilent

Ch Freq 2.6875 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.5 dB

Center 2.687 500 GHz Span 10 MHz

#Res BW 100 kHz #VBW 300 kHz #Sweep 8 s (500 pts)

Occupied Bandwidth Occ BW % Pwr 99.00 %

4.4979 MHz x dB -26.00 dB

Transmit Freq Error 3.391 kHz

x dB Bandwidth 4.962 MHz

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Freq/Channel

Center Freq 2.68750000 GHz

Start Freq 2.68250000 GHz

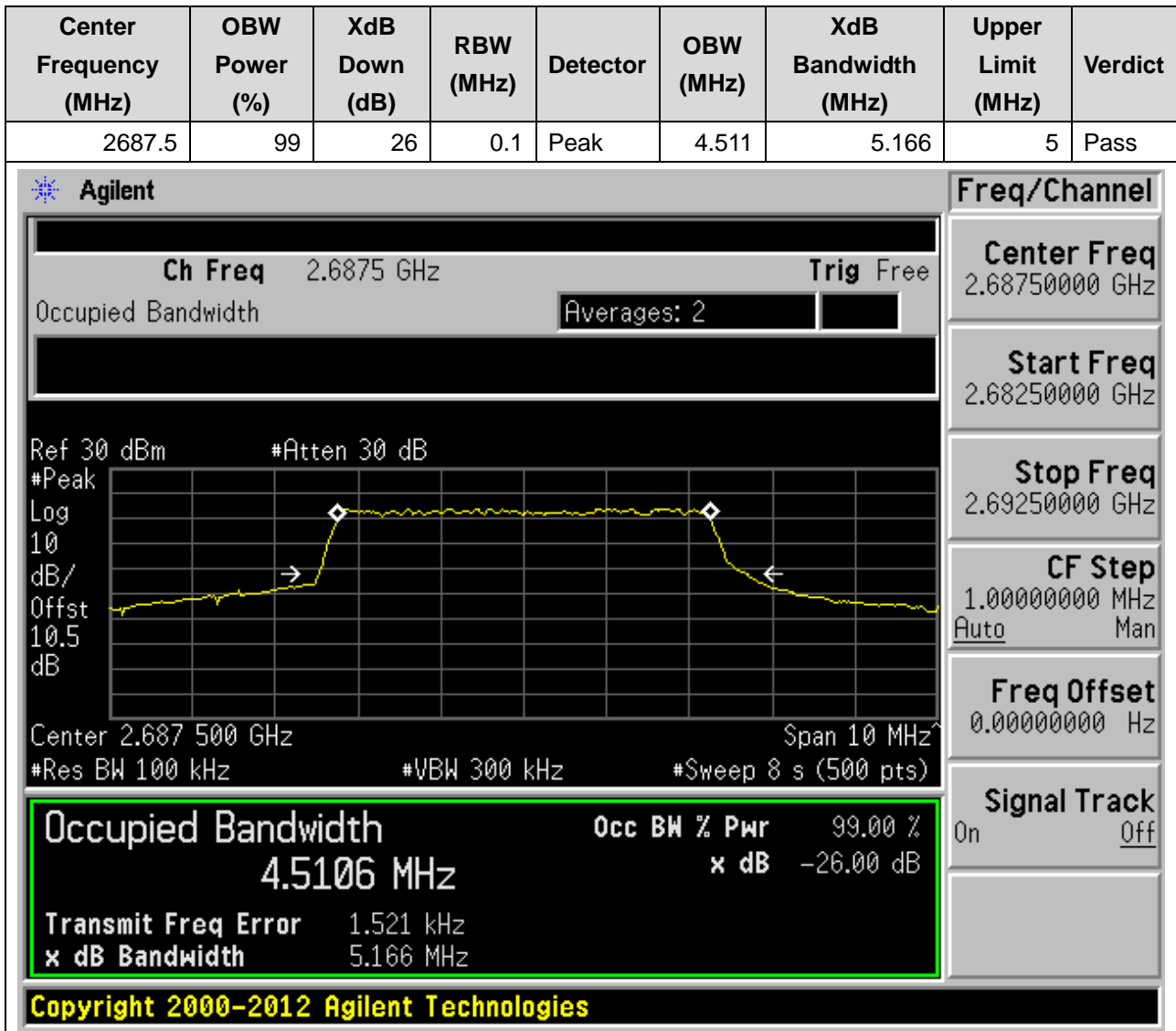
Stop Freq 2.69250000 GHz

CF Step 1.00000000 MHz
Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

23.6. LTE Occupied Bandwidth(NTNV)(Subtest:6, Channel:41565, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)



23.7. LTE Occupied Bandwidth(NTNV)(Subtest:7, Channel:39700, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)



23.8. LTE Occupied Bandwidth(NTNV)(Subtest:8, Channel:39700, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)



23.9. LTE Occupied Bandwidth(NTNV)(Subtest:9, Channel:40620, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2593	99	26	0.2	Peak	8.967	9.919	10	Pass

Agilent

Ch Freq 2.593 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 2.593 00 GHz Span 20 MHz

#Res BW 200 kHz #VBW 620 kHz #Sweep 8 s (500 pts)

Freq/Channel

Center Freq 2.59300000 GHz

Start Freq 2.58300000 GHz

Stop Freq 2.60300000 GHz

CF Step 2.00000000 MHz
Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

8.9672 MHz

x dB -26.00 dB

Transmit Freq Error -4.394 kHz

x dB Bandwidth 9.919 MHz

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23.10. LTE Occupied Bandwidth(NTNV)(Subtest:10, Channel:40620, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2593	99	26	0.2	Peak	8.941	9.784	10	Pass

Agilent

Ch Freq 2.593 GHz Trig Free

Occupied Bandwidth Averages: 2

Occupied Bandwidth 8.9412 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -5.009 kHz

x dB Bandwidth 9.784 MHz

Freq/Channel

Center Freq 2.59300000 GHz

Start Freq 2.58300000 GHz

Stop Freq 2.60300000 GHz

CF Step 2.00000000 MHz

Auto Man

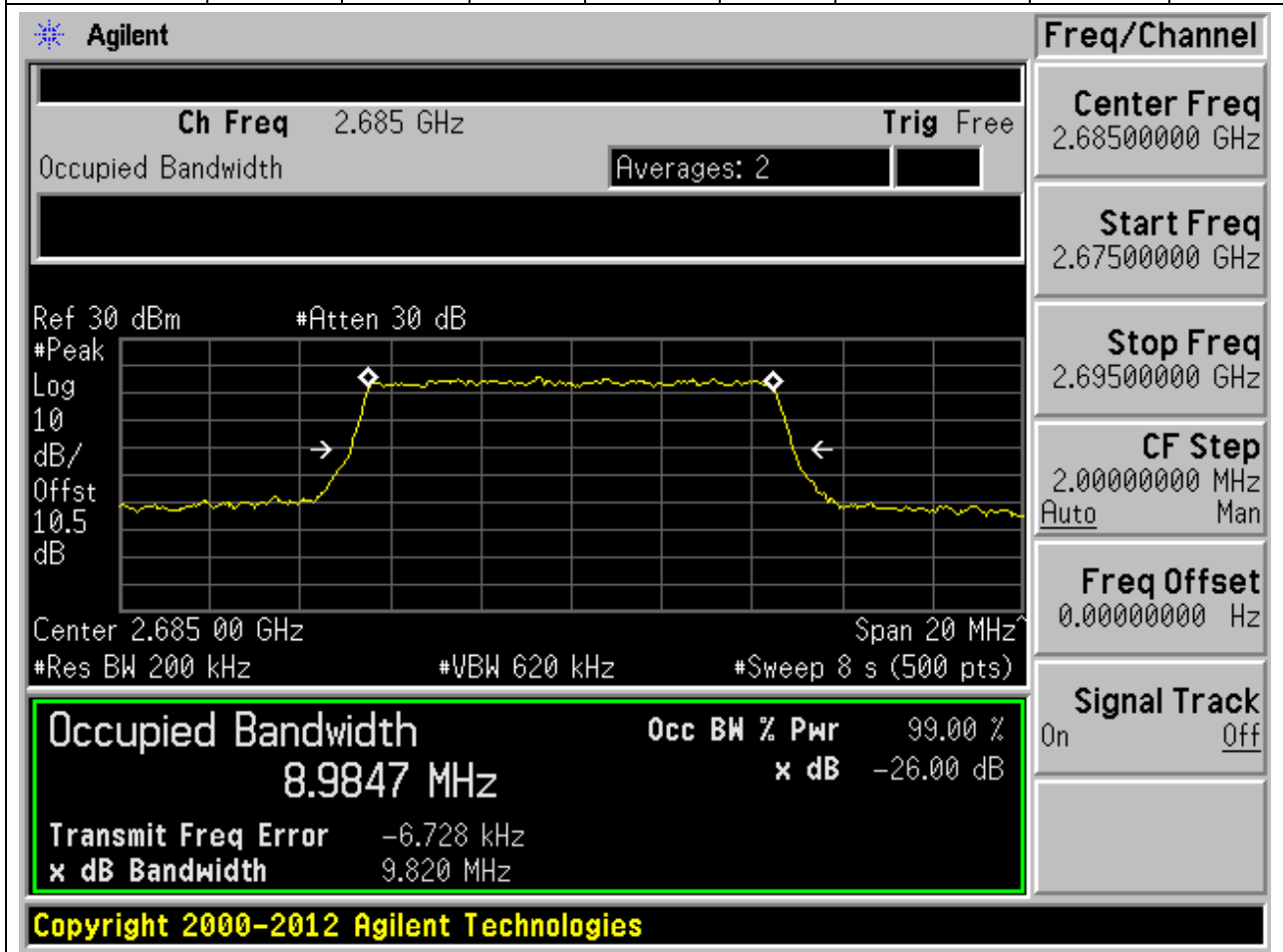
Freq Offset 0.00000000 Hz

Signal Track On Off

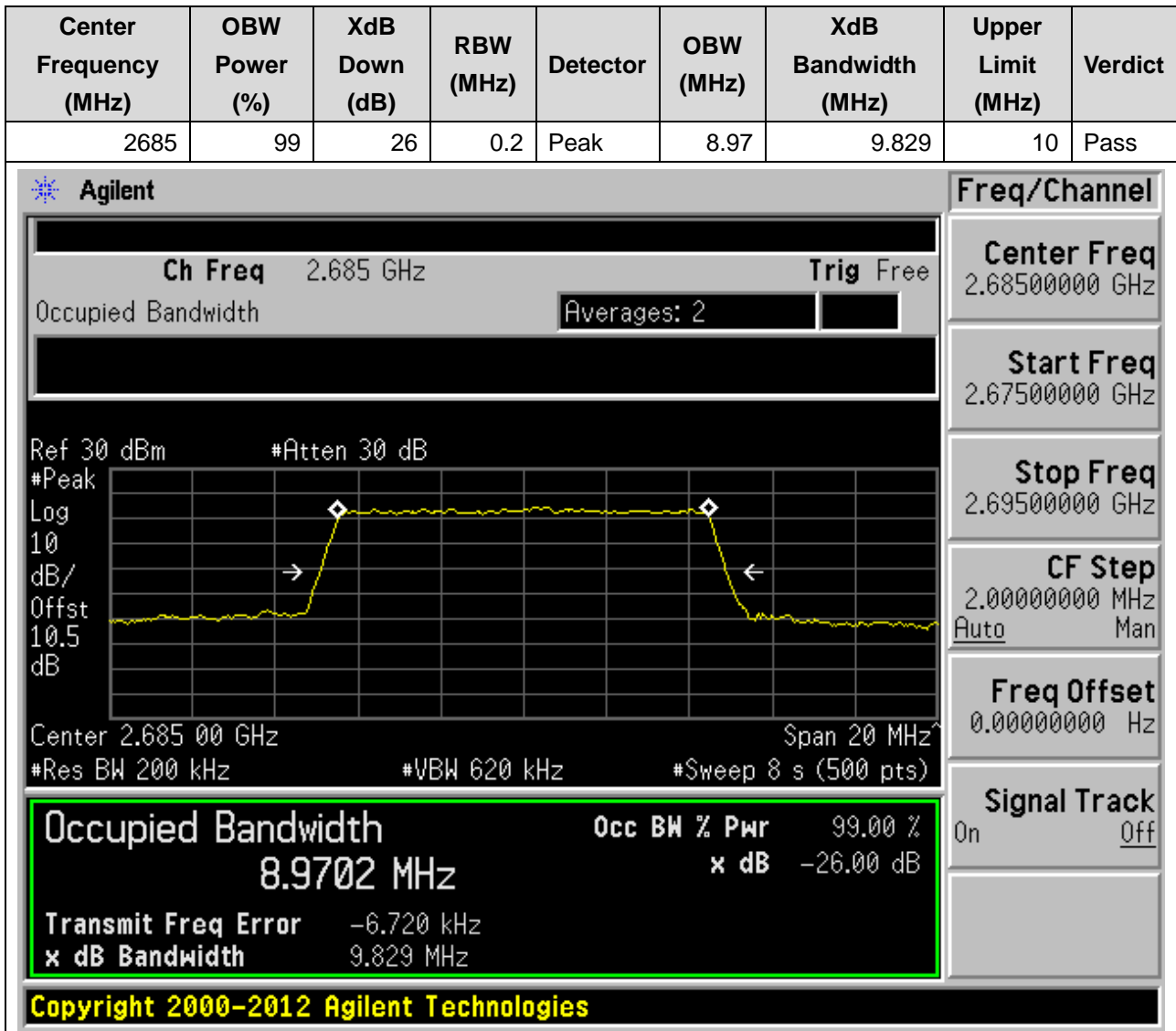
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23.11. LTE Occupied Bandwidth(NTNV)(Subtest:11, Channel:41540, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2685	99	26	0.2	Peak	8.985	9.82	10	Pass



23.12. LTE Occupied Bandwidth(NTNV)(Subtest:12, Channel:41540, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)



23.13. LTE Occupied Bandwidth(NTNV)(Subtest:13, Channel:39725, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2503.5	99	26	0.3	Peak	13.443	14.696	15	Pass

Agilent
Freq/Channel

Ch Freq 2.5035 GHz Trig Free

Occupied Bandwidth Averages: 2

Center Freq 2.50350000 GHz

Start Freq 2.48850000 GHz

Stop Freq 2.51850000 GHz

CF Step 3.00000000 MHz
Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

Ref 30 dBm #Atten 30 dB

Center 2.503 50 GHz Span 30 MHz

#Res BW 300 kHz #VBW 1 MHz #Sweep 8 s (500 pts)

Occupied Bandwidth Occ BW % Pwr 99.00 %

13.4430 MHz x dB -26.00 dB

Transmit Freq Error 6.802 kHz

x dB Bandwidth 14.696 MHz

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23.14. LTE Occupied Bandwidth(NTNV)(Subtest:14, Channel:39725, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2503.5	99	26	0.3	Peak	13.43	14.714	15	Pass

Agilent
Freq/Channel

Ch Freq 2.5035 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm #Atten 30 dB

Center 2.503 50 GHz Span 30 MHz
 #Res BW 300 kHz #VBW 1 MHz #Sweep 8 s (500 pts)

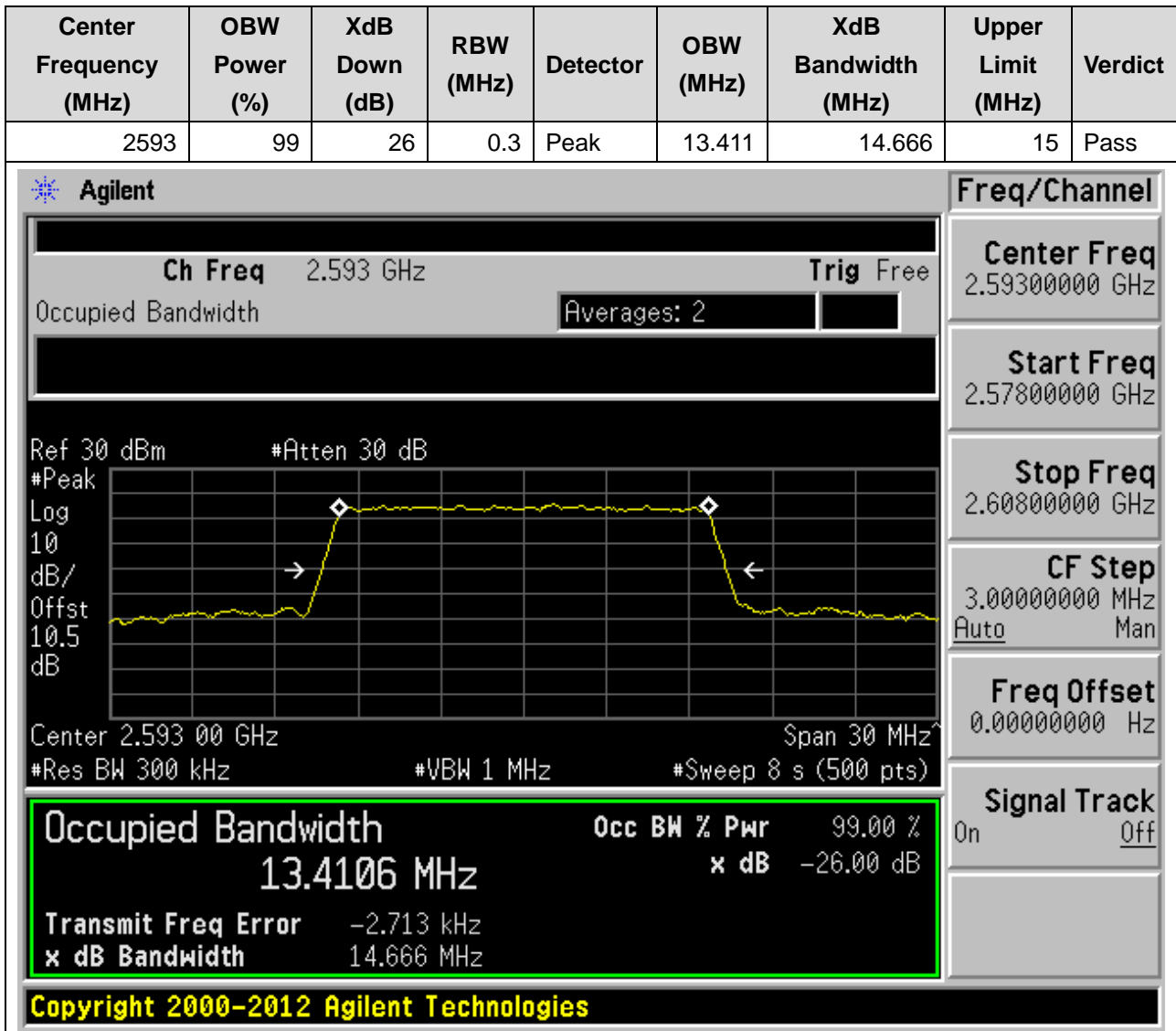
Occupied Bandwidth Occ BW % Pwr 99.00 %
13.4304 MHz x dB -26.00 dB

Transmit Freq Error -982.665 Hz
 x dB Bandwidth 14.714 MHz

Signal Track On Off

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23.15. LTE Occupied Bandwidth(NTNV)(Subtest:15, Channel:40620, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)



23.17. LTE Occupied Bandwidth(NTNV)(Subtest:17, Channel:41515, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2682.5	99	26	0.3	Peak	13.386	14.661	15	Pass

Agilent

Freq/Channel
Center Freq
 2.68250000 GHz
Start Freq
 2.66750000 GHz
Stop Freq
 2.69750000 GHz
CF Step
 3.00000000 MHz
 Auto Man
Freq Offset
 0.00000000 Hz
Signal Track
 On Off

Ch Freq 2.6825 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm #Atten 30 dB

Center 2.682 50 GHz Span 30 MHz
 #Res BW 300 kHz #VBW 1 MHz #Sweep 8 s (500 pts)

Occupied Bandwidth Occ BW % Pwr 99.00 %
 13.3864 MHz x dB -26.00 dB

Transmit Freq Error -5.385 kHz
 x dB Bandwidth 14.661 MHz

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23.18. LTE Occupied Bandwidth(NTNV)(Subtest:18, Channel:41515, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)



23.19. LTE Occupied Bandwidth(NTNV)(Subtest:19, Channel:39750, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2506	99	26	0.39	Peak	17.925	19.355	20	Pass

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Ch Freq 2.506 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.4 dB

Center 2.506 00 GHz Span 40 MHz

#Res BW 390 kHz #VBW 1.2 MHz #Sweep 8 s (512 pts)

Occupied Bandwidth Occ BW % Pwr 99.00 %

17.9253 MHz x dB -26.00 dB

Transmit Freq Error -4.412 kHz

x dB Bandwidth 19.355 MHz

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Freq/Channel

Center Freq
2.50600000 GHz

Start Freq
2.48600000 GHz

Stop Freq
2.52600000 GHz

CF Step
4.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

23.20. LTE Occupied Bandwidth(NTNV)(Subtest:20, Channel:39750, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2506	99	26	0.39	Peak	17.881	19.509	20	Pass

Agilent

Ch Freq 2.506 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.4 dB

Center 2.506 00 GHz Span 40 MHz

#Res BW 390 kHz #VBW 1.2 MHz #Sweep 8 s (512 pts)

Occupied Bandwidth Occ BW % Pwr 99.00 %

17.8808 MHz x dB -26.00 dB

Transmit Freq Error -5.911 kHz

x dB Bandwidth 19.509 MHz

Freq/Channel

Center Freq 2.50600000 GHz

Start Freq 2.48600000 GHz

Stop Freq 2.52600000 GHz

CF Step 4.00000000 MHz
Auto Man

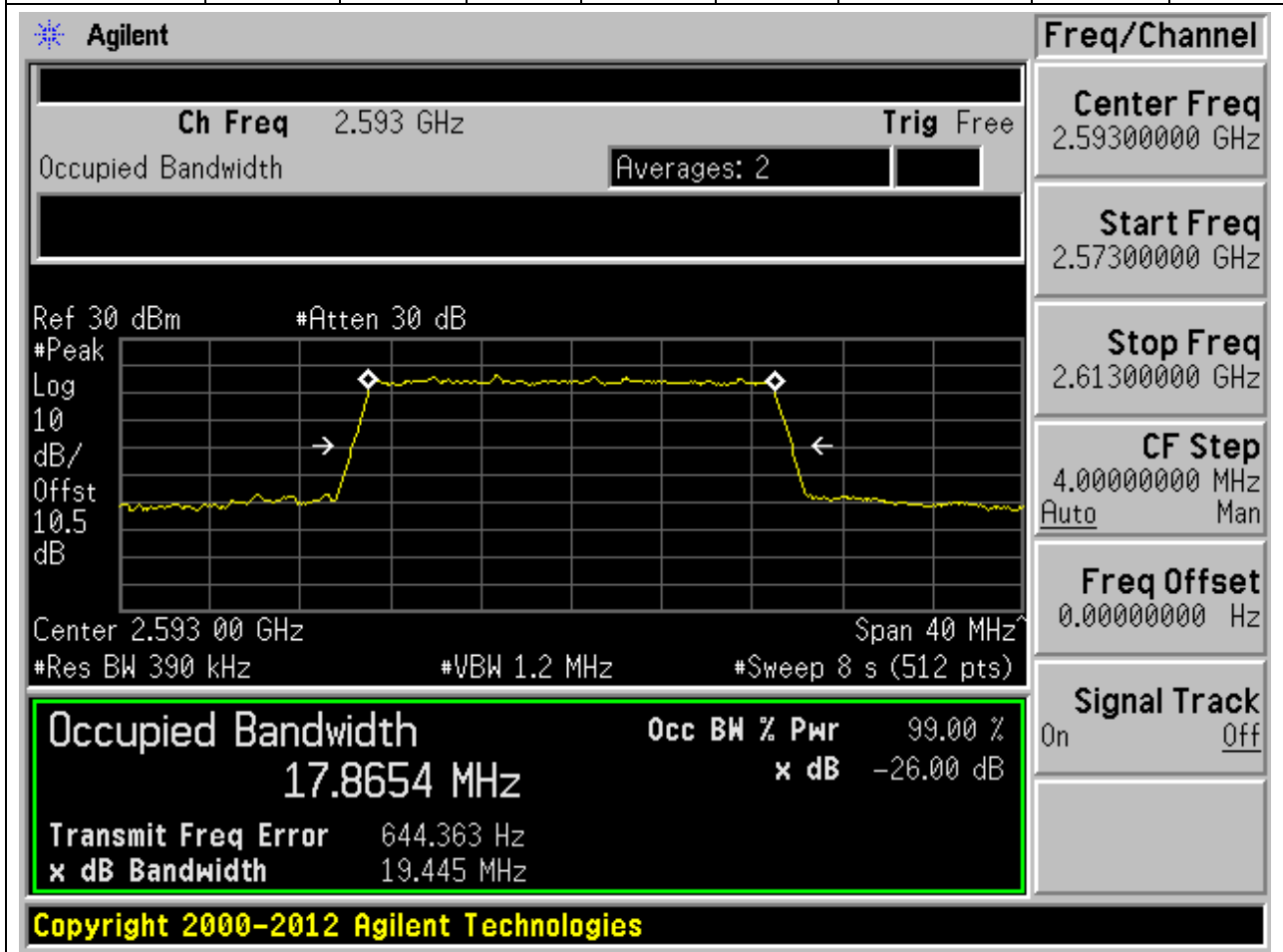
Freq Offset 0.00000000 Hz

Signal Track On Off

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23.21. LTE Occupied Bandwidth(NTNV)(Subtest:21, Channel:40620, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2593	99	26	0.39	Peak	17.865	19.445	20	Pass



23.22. LTE Occupied Bandwidth(NTNV)(Subtest:22, Channel:40620, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2593	99	26	0.39	Peak	17.895	19.487	20	Pass

Agilent
Freq/Channel

Ch Freq 2.593 GHz Trig Free

Occupied Bandwidth Averages: 2

Center Freq 2.59300000 GHz

Start Freq 2.57300000 GHz

Stop Freq 2.61300000 GHz

CF Step 4.00000000 MHz
Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.5 dB

Center 2.593 00 GHz Span 40 MHz

#Res BW 390 kHz #VBW 1.2 MHz #Sweep 8 s (512 pts)

Occupied Bandwidth Occ BW % Pwr 99.00 %

17.8952 MHz x dB -26.00 dB

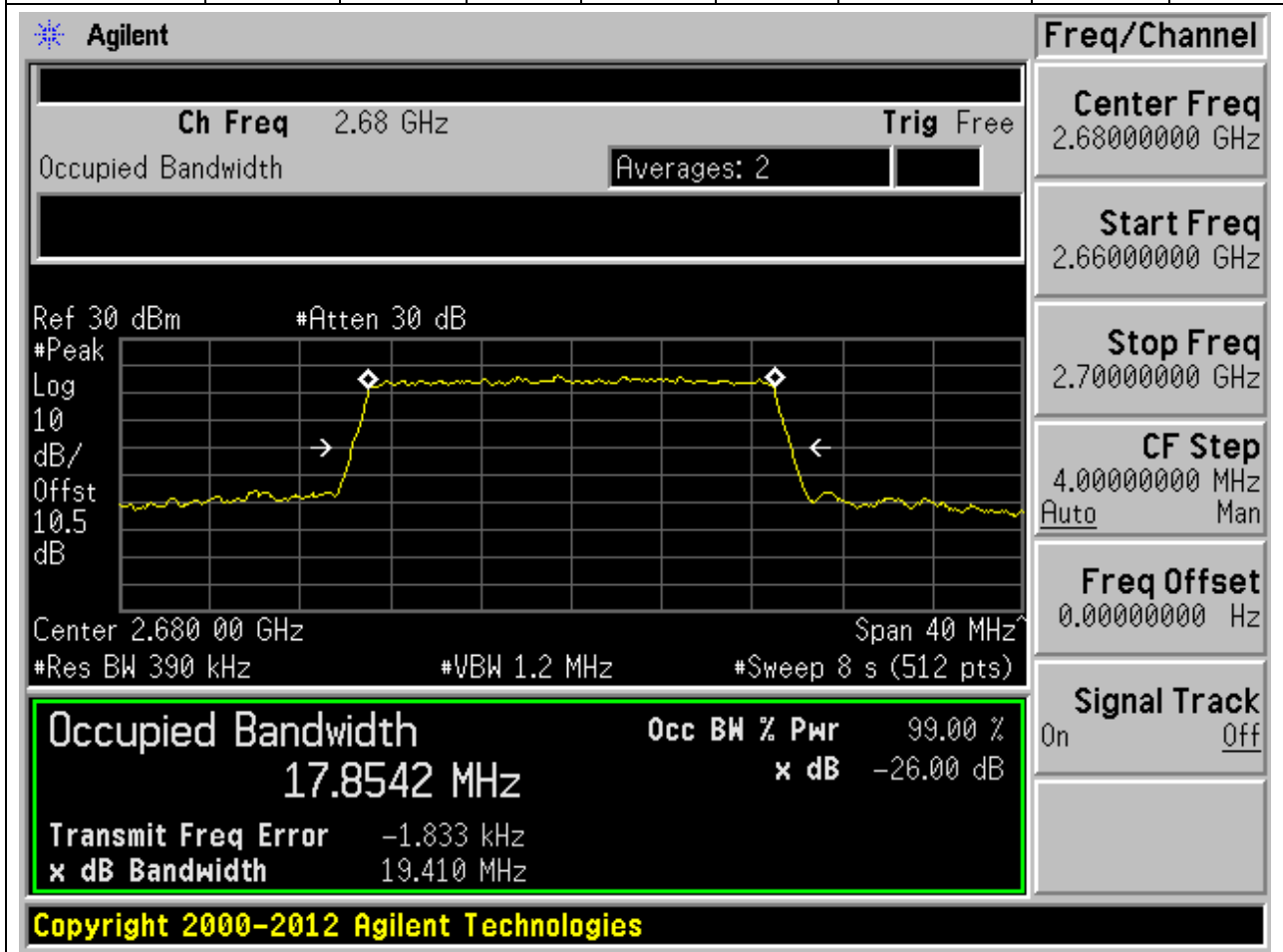
Transmit Freq Error -15.225 kHz

x dB Bandwidth 19.487 MHz

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23.23. LTE Occupied Bandwidth(NTNV)(Subtest:23, Channel:41490, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2680	99	26	0.39	Peak	17.854	19.41	20	Pass



23.24. LTE Occupied Bandwidth(NTNV)(Subtest:24, Channel:41490, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2680	99	26	0.39	Peak	17.82	19.404	20	Pass

Agilent

Ch Freq 2.68 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.5 dB

Center 2.680 00 GHz Span 40 MHz

#Res BW 390 kHz #VBW 1.2 MHz #Sweep 8 s (512 pts)

Occupied Bandwidth Occ BW % Pwr 99.00 %

17.8203 MHz x dB -26.00 dB

Transmit Freq Error 4.995 kHz

x dB Bandwidth 19.404 MHz

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Freq/Channel

Center Freq
2.68000000 GHz

Start Freq
2.66000000 GHz

Stop Freq
2.70000000 GHz

CF Step
4.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

END