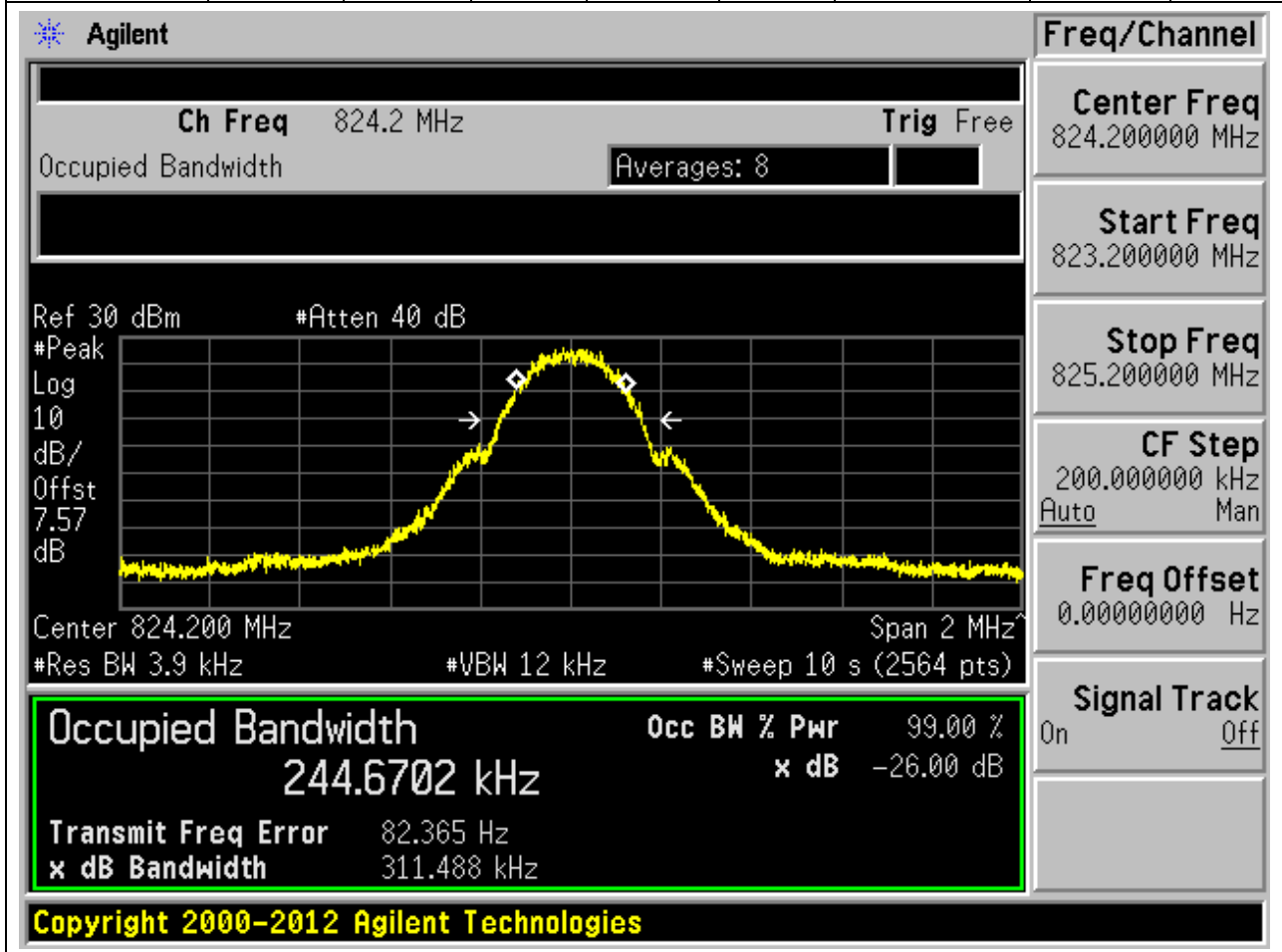


Annex A.3 Occupied Bandwidth

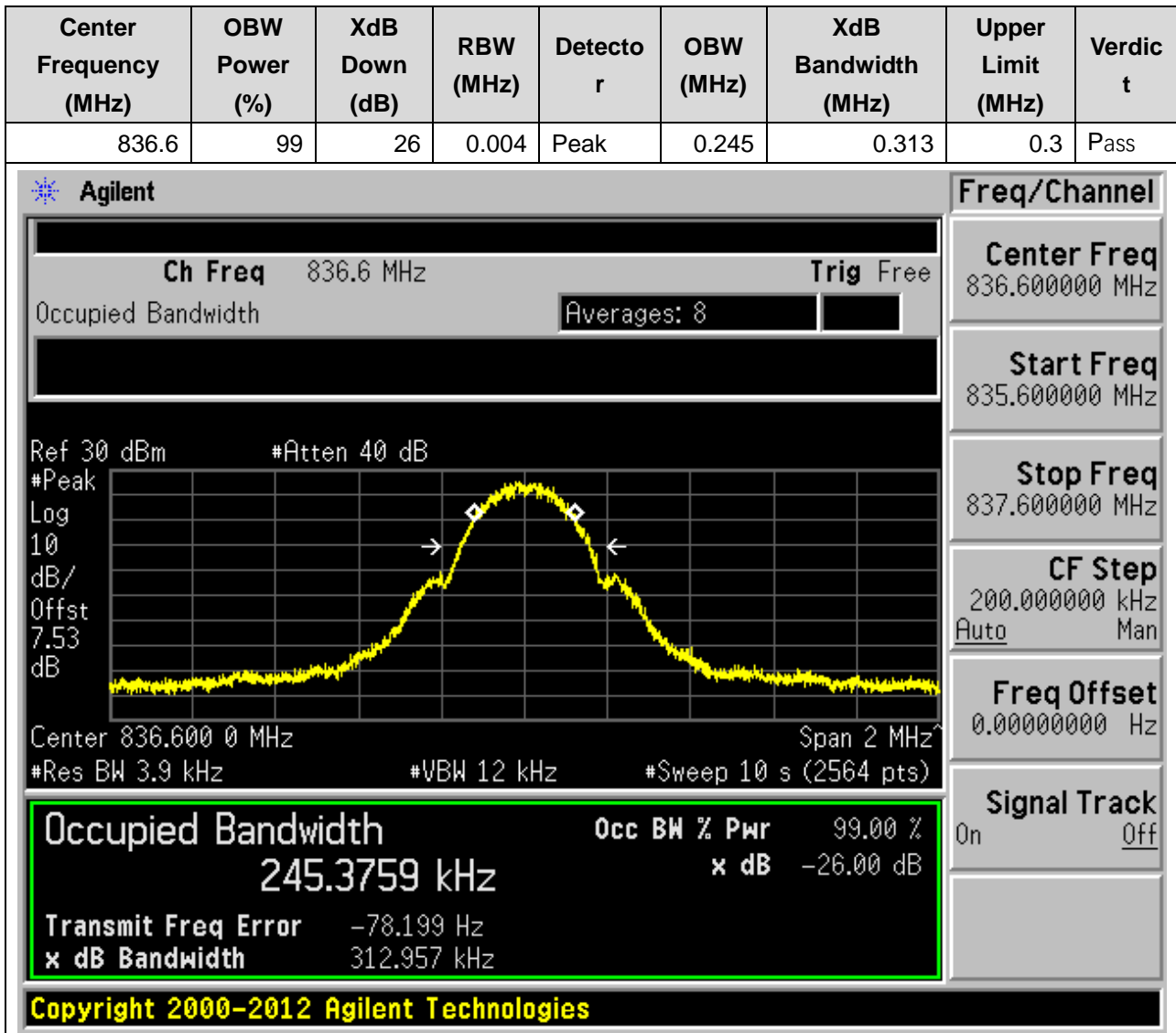
1. GSM_GSM850

1.1. GSM Occupied Bandwidth(NTNV)(Channel:128)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
824.2	99	26	0.004	Peak	0.245	0.311	0.3	Pass



1.2. GSM Occupied Bandwidth(NTNV)(Channel:190)



1.3. GSM Occupied Bandwidth(NTNV)(Channel:251)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
848.8	99	26	0.004	Peak	0.243	0.31	0.3	Pass

Agilent

Ch Freq 848.8 MHz Trig Free

Occupied Bandwidth Averages: 8

Ref 30 dBm #Atten 40 dB

Center 848.800 MHz Span 2 MHz

#Res BW 3.9 kHz #VBW 12 kHz #Sweep 10 s (2564 pts)

Freq/Channel

Center Freq 848.800000 MHz

Start Freq 847.800000 MHz

Stop Freq 849.800000 MHz

CF Step 200.000000 kHz
Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

243.1504 kHz x dB -26.00 dB

Transmit Freq Error 88.357 Hz

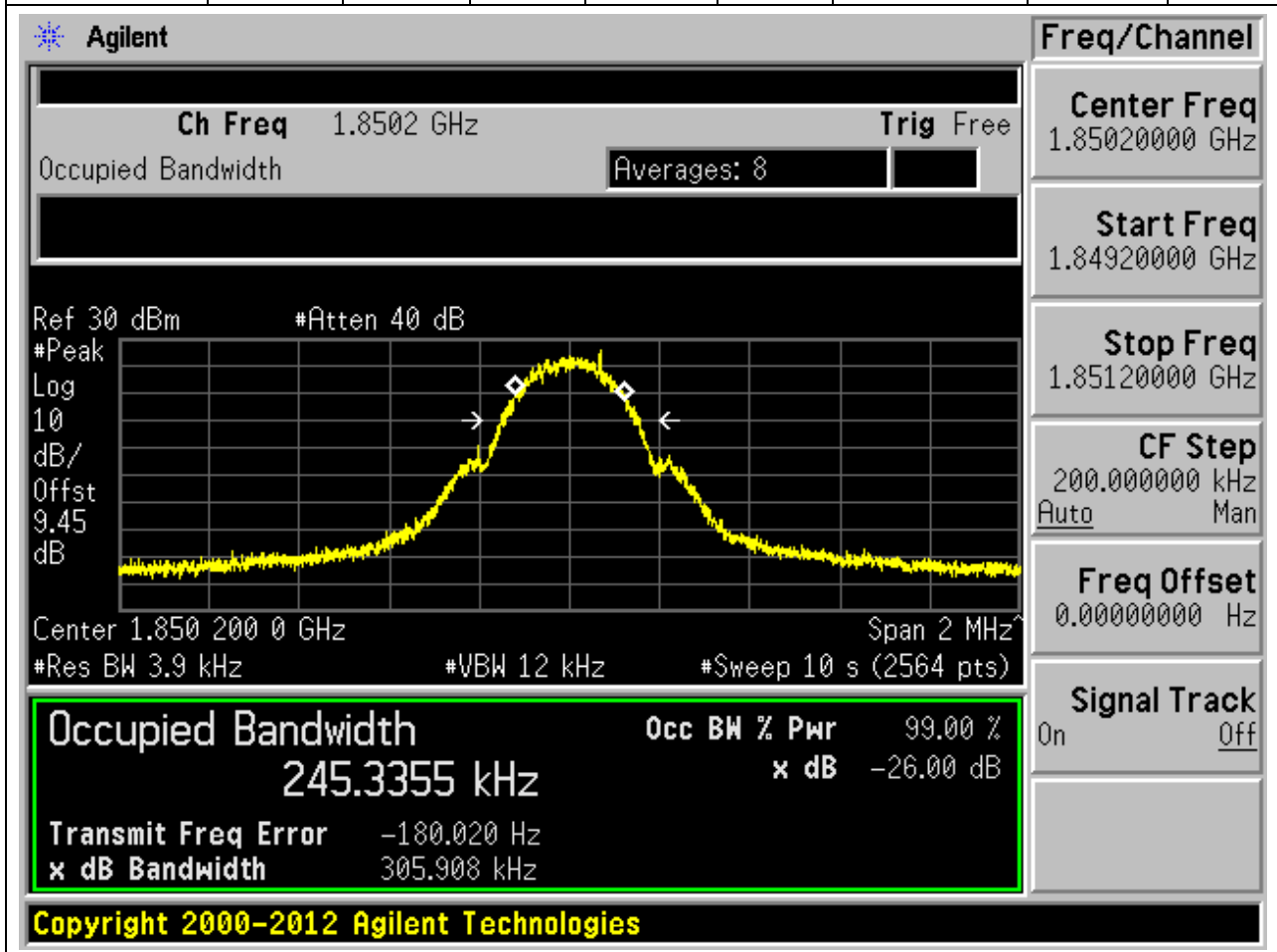
x dB Bandwidth 309.735 kHz

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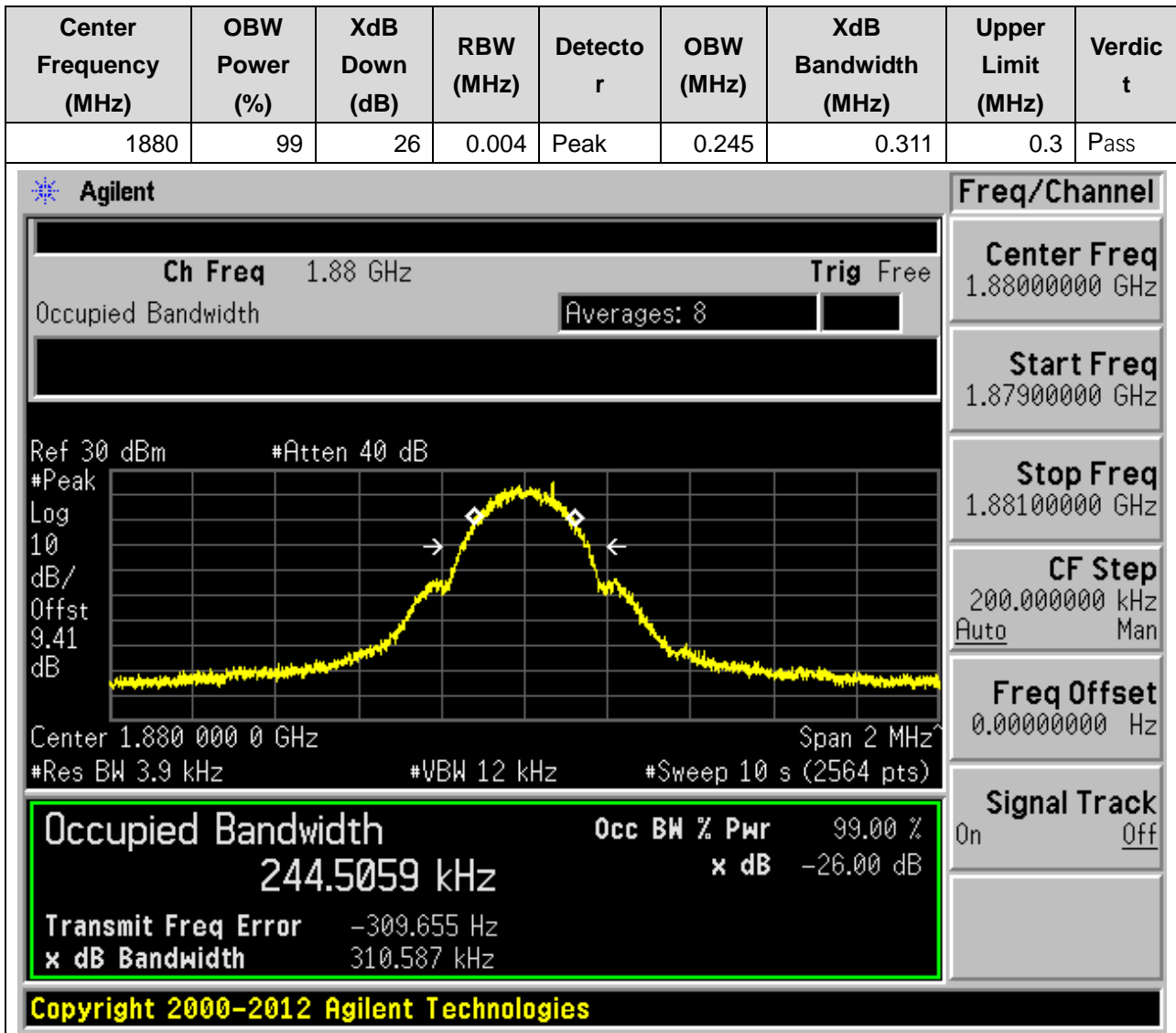
2. GSM_PCS

2.1. GSM Occupied Bandwidth(NTNV)(Channel:512)

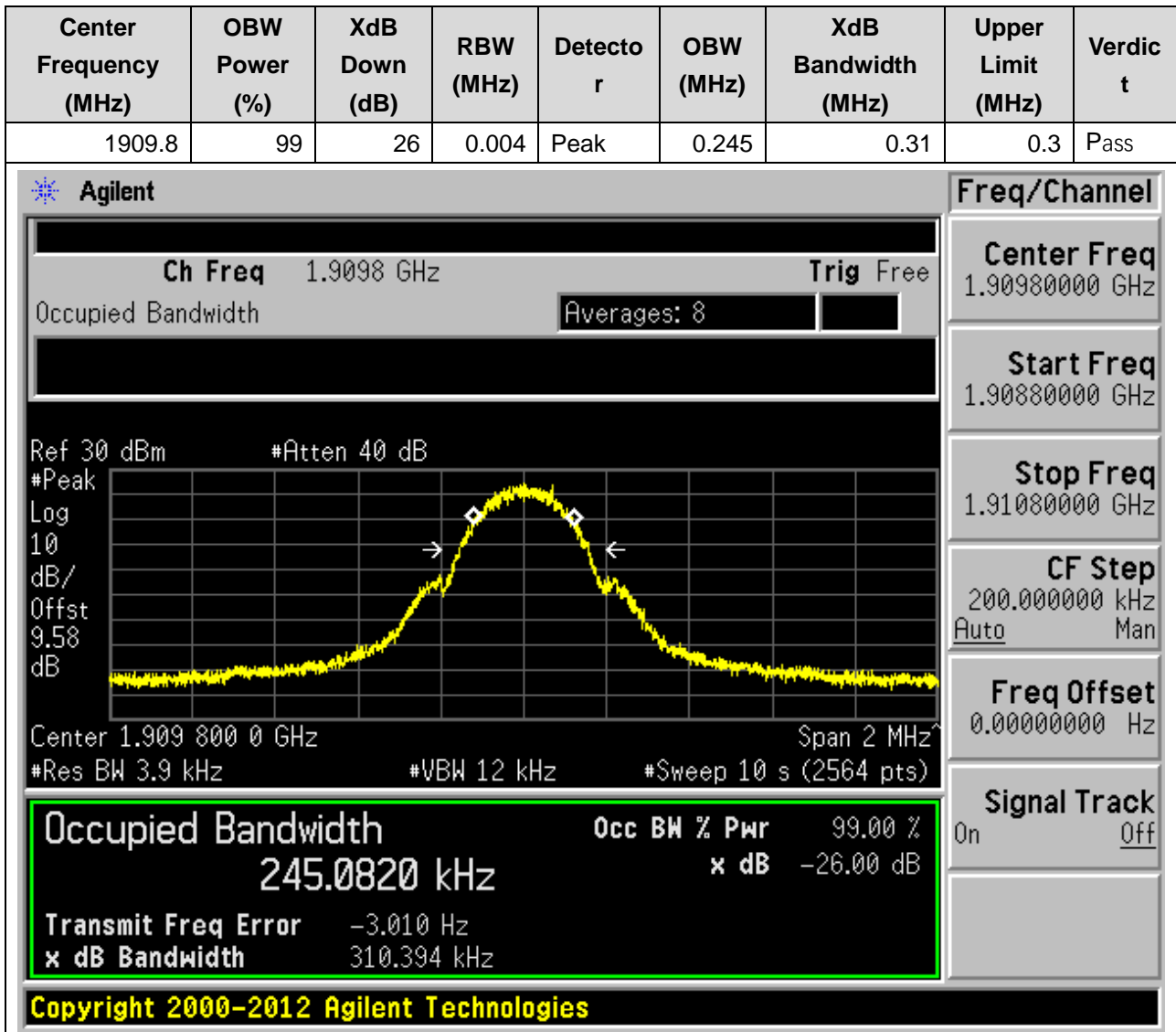
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1850.2	99	26	0.004	Peak	0.245	0.306	0.3	Pass



2.2. GSM Occupied Bandwidth(NTNV)(Channel:661)

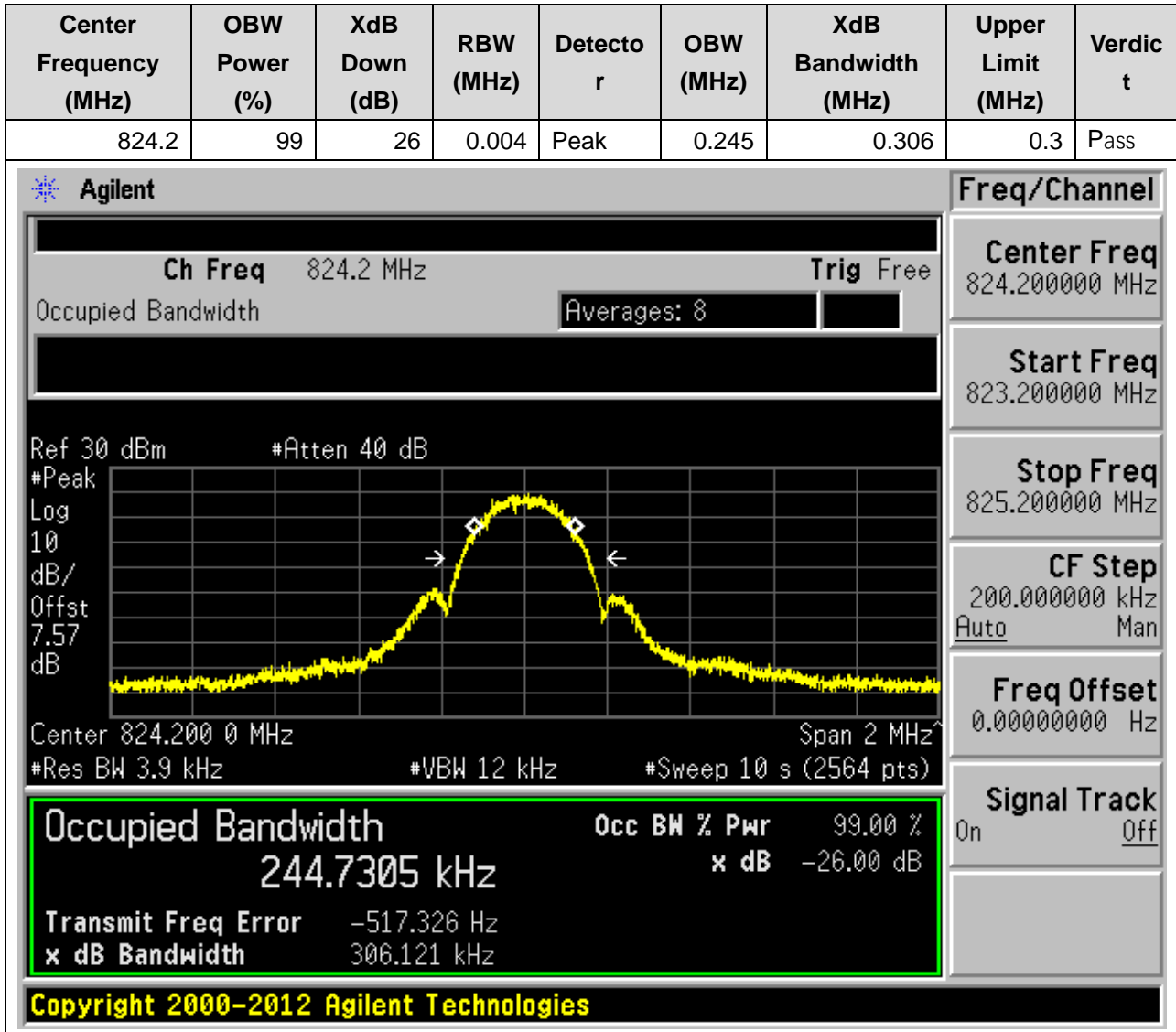


2.3. GSM Occupied Bandwidth(NTNV)(Channel:810)

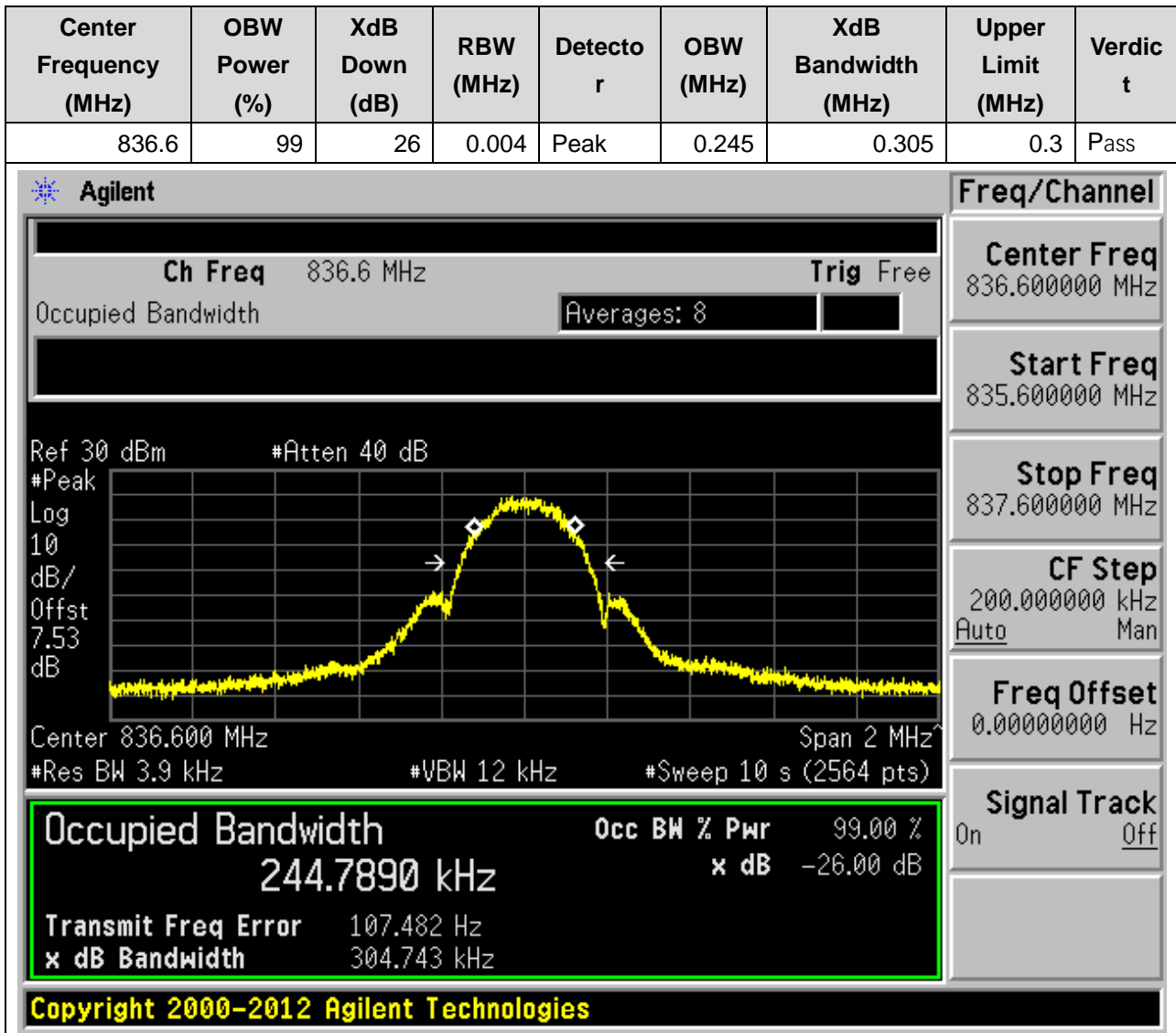


3. EGPRS_GSM850

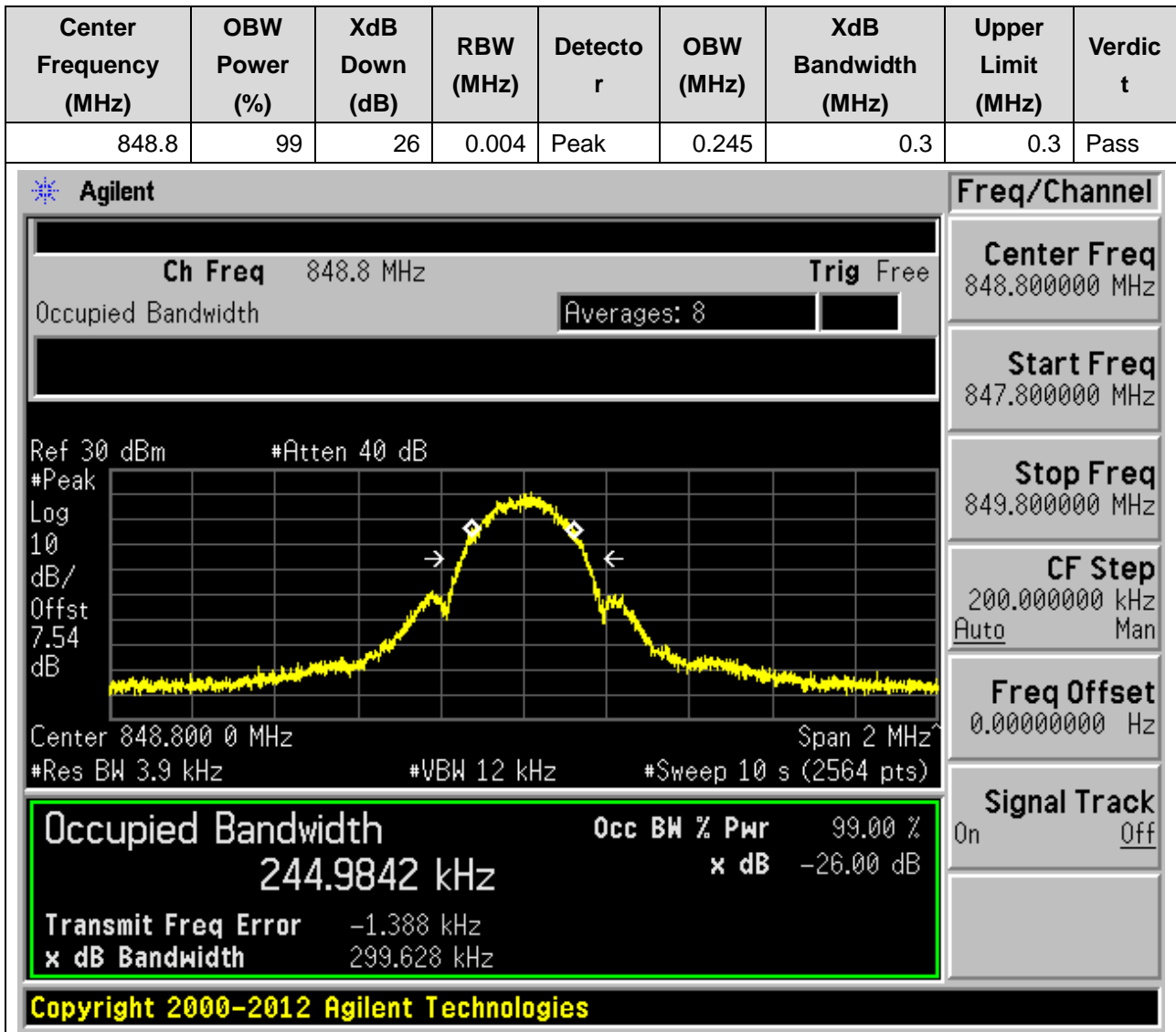
3.1. EGPRS Occupied Bandwidth(NTNV)(Channel:128)



3.2. EGPRS Occupied Bandwidth(NTNV)(Channel:190)



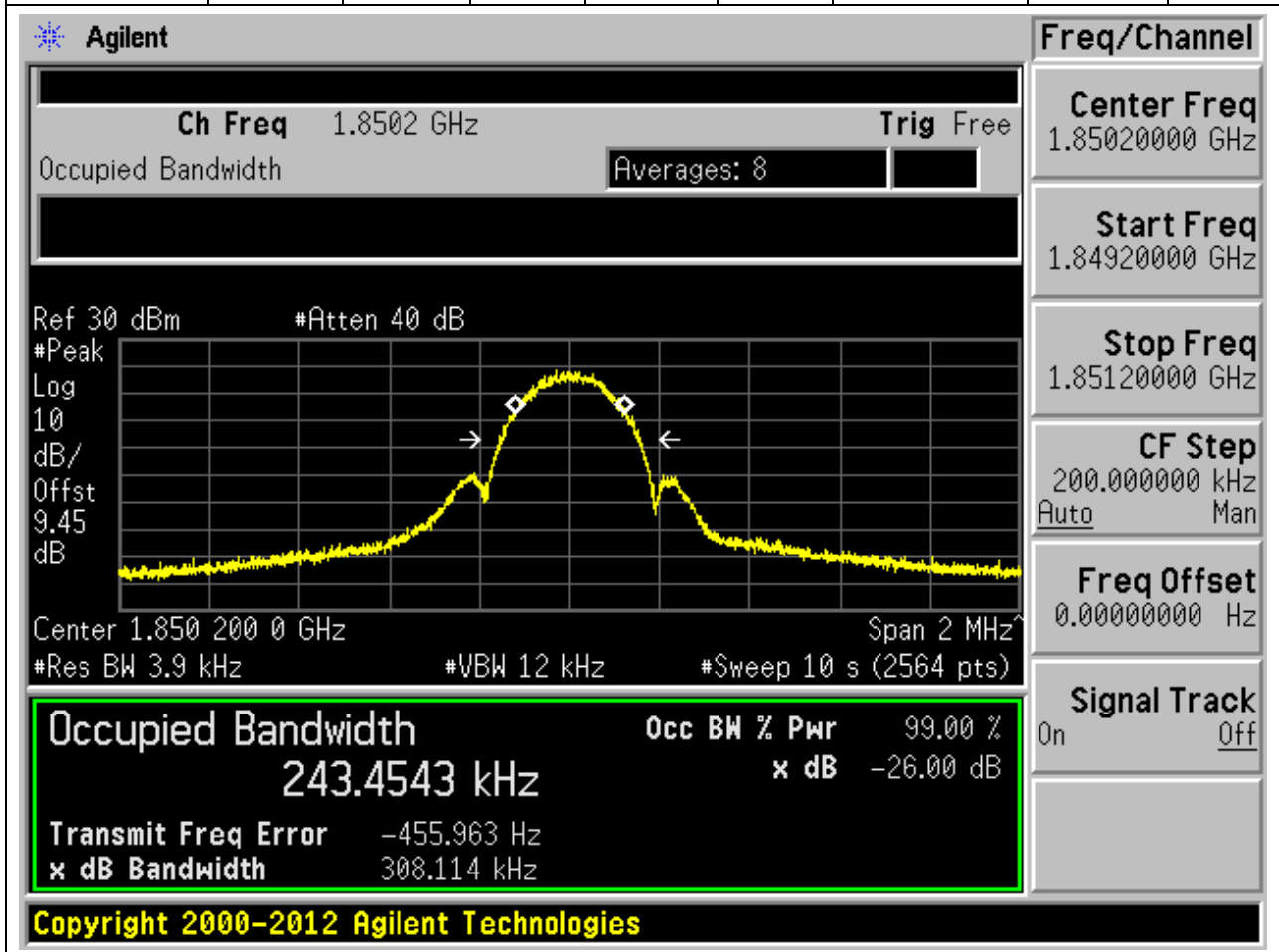
3.3. EGPRS Occupied Bandwidth(NTNV)(Channel:251)



4. EGPRS_PCS

4.1. EGPRS Occupied Bandwidth(NTNV)(Channel:512)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1850.2	99	26	0.004	Peak	0.243	0.308	0.3	Pass



4.2. EGPRS Occupied Bandwidth(NTNV)(Channel:661)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	0.004	Peak	0.245	0.306	0.3	Pass

Agilent

Ch Freq 1.88 GHz Trig Free

Occupied Bandwidth Averages: 8

Ref 30 dBm #Atten 40 dB

Center 1.880 000 0 GHz Span 2 MHz

#Res BW 3.9 kHz #VBW 12 kHz #Sweep 10 s (2564 pts)

Freq/Channel

Center Freq 1.88000000 GHz

Start Freq 1.87900000 GHz

Stop Freq 1.88100000 GHz

CF Step 200.000000 kHz
Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

Occupied Bandwidth	Occ BW % Pwr 99.00 %
244.8287 kHz	x dB -26.00 dB
Transmit Freq Error 397.639 Hz	
x dB Bandwidth 306.226 kHz	

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4.3. EGPRS Occupied Bandwidth(NTNV)(Channel:810)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1909.8	99	26	0.004	Peak	0.245	0.306	0.3	Pass

Agilent

Ch Freq 1.9098 GHz Trig Free

Occupied Bandwidth Averages: 8

Ref 30 dBm #Atten 40 dB

Center 1.909 800 0 GHz Span 2 MHz

#Res BW 3.9 kHz #VBW 12 kHz #Sweep 10 s (2564 pts)

Freq/Channel

Center Freq 1.90980000 GHz

Start Freq 1.90880000 GHz

Stop Freq 1.91080000 GHz

CF Step 200.000000 kHz
Auto Man

Freq Offset 0.00000000 Hz

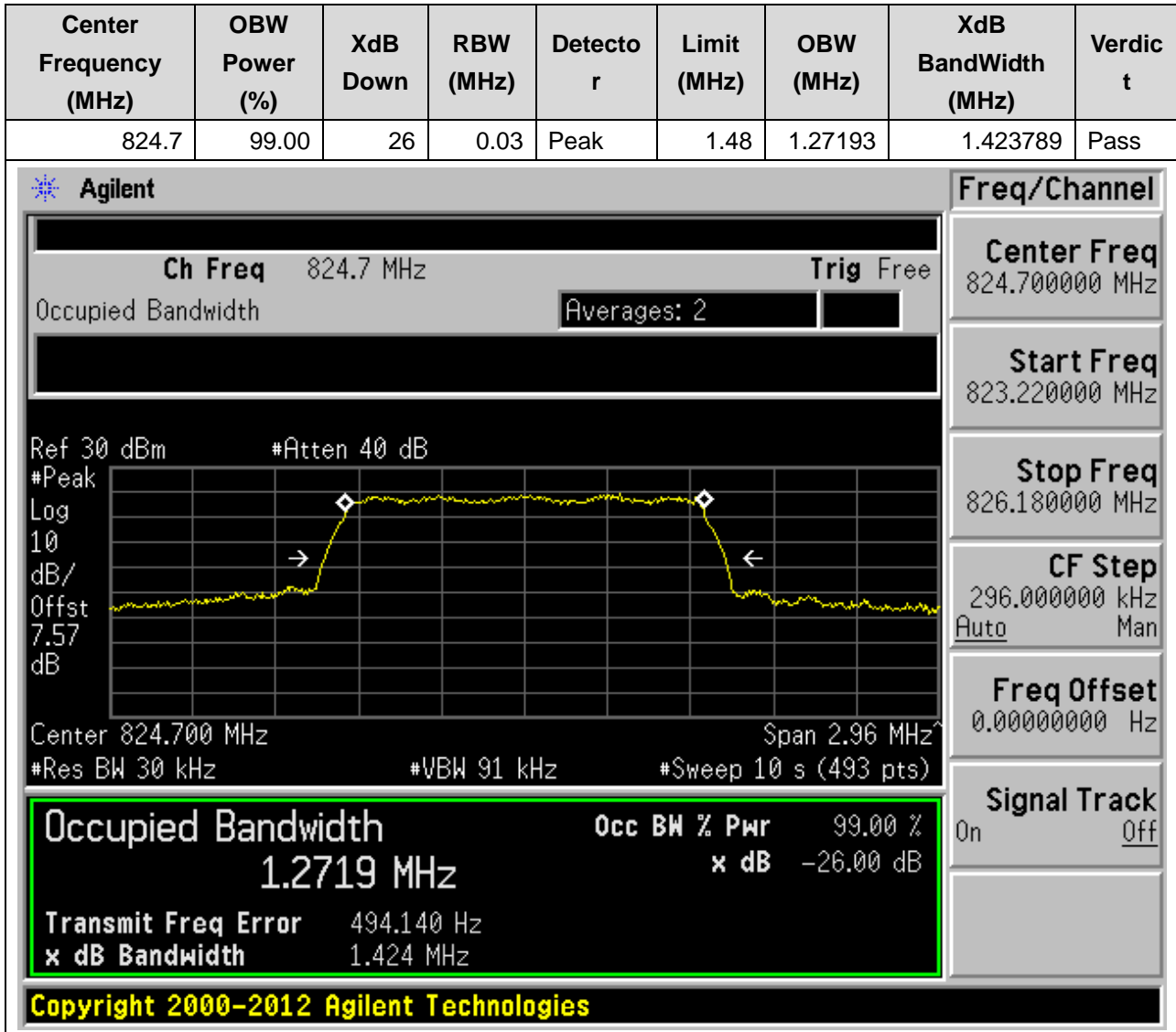
Signal Track On Off

Occupied Bandwidth	Occ BW % Pwr 99.00 %
244.8978 kHz	x dB -26.00 dB
Transmit Freq Error 276.785 Hz	
x dB Bandwidth 305.999 kHz	

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5. CDMA BC0_CH1013(FCC)

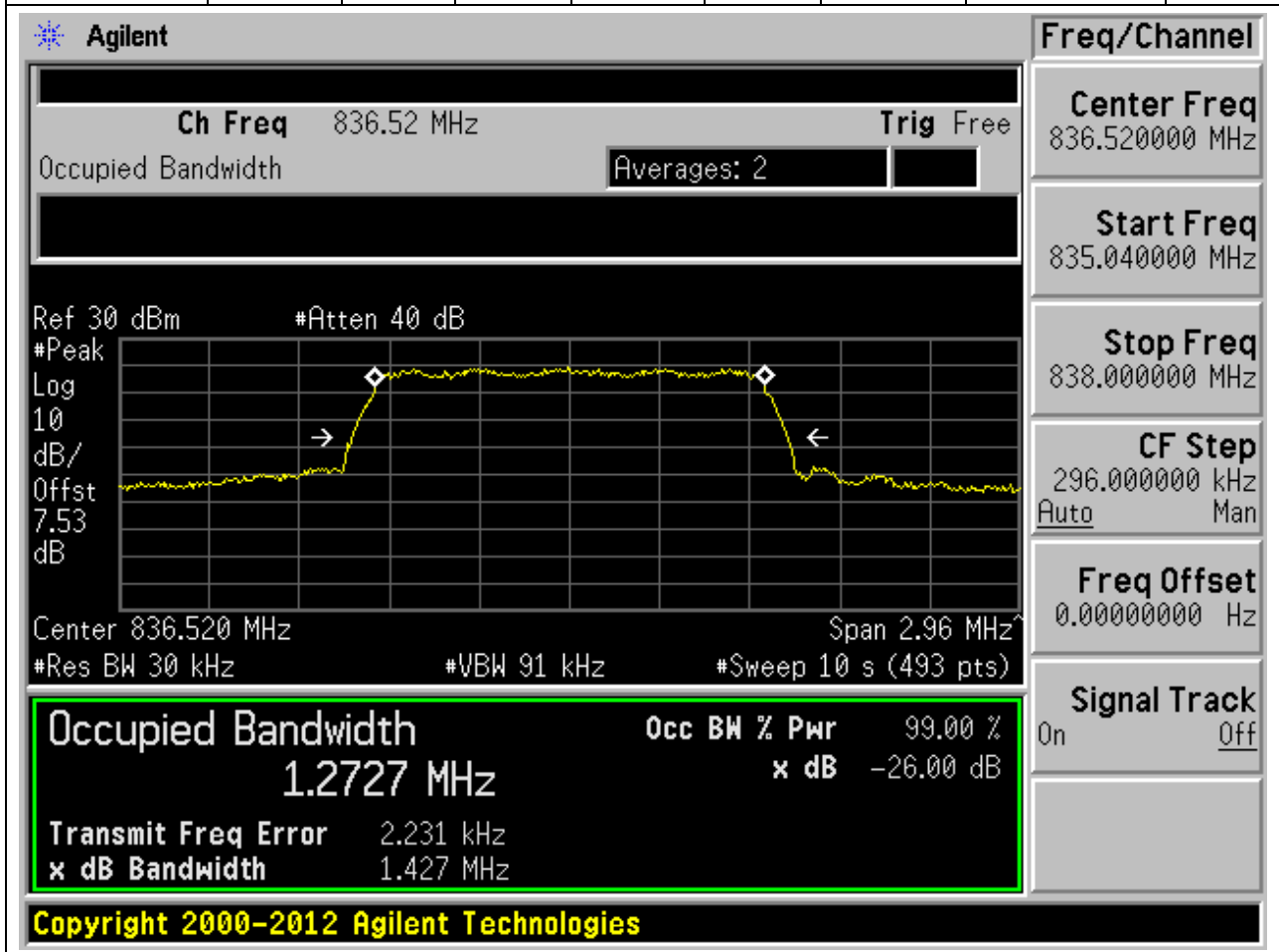
5.1. Occupied Bandwidth(NTNV)



6. CDMA BC0_CH384(FCC)

6.1. Occupied Bandwidth(NTNV)

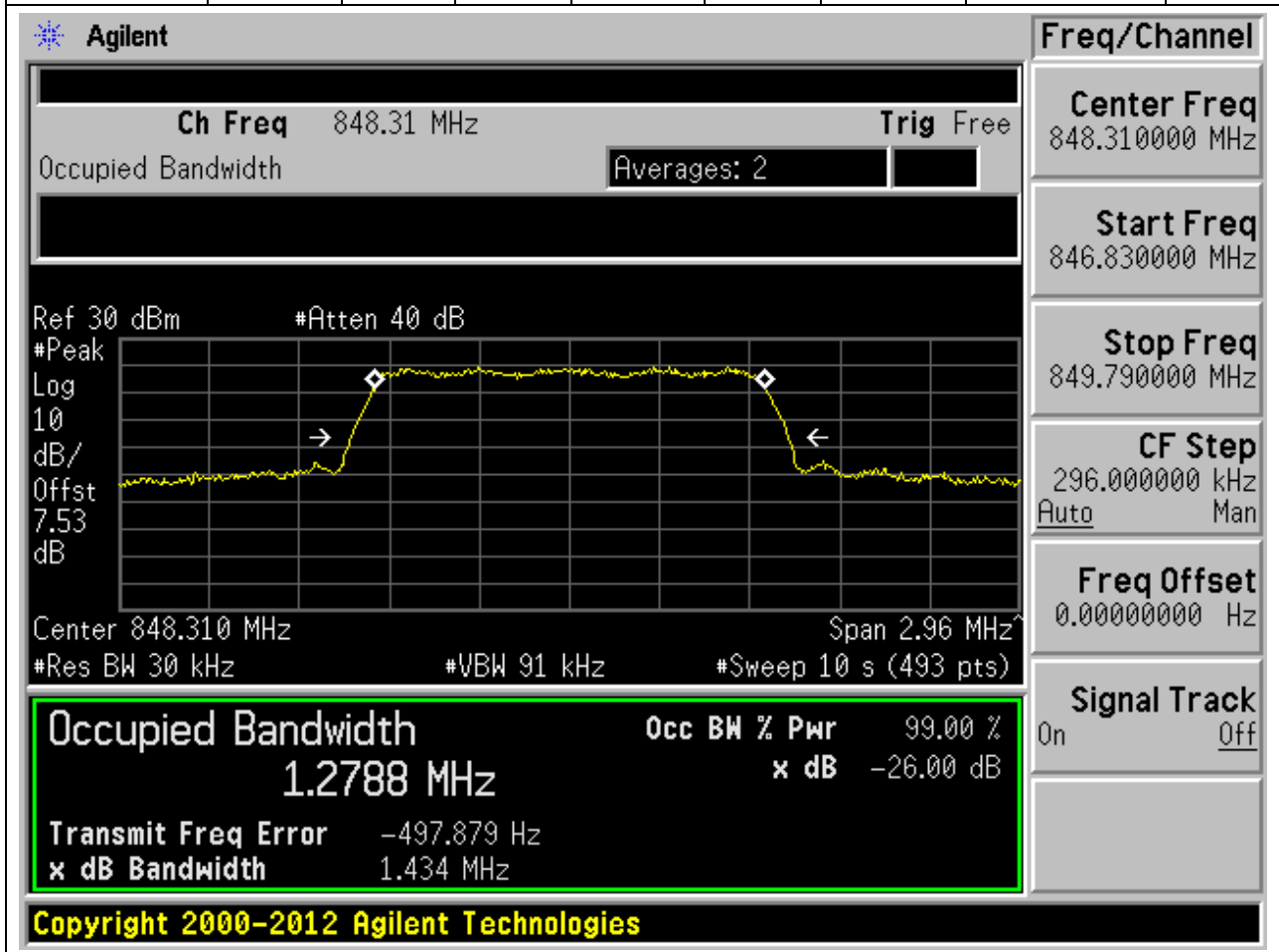
Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
836.52	99.00	26	0.03	Peak	1.48	1.27273	1.426502	Pass



7. CDMA BC0_CH777(FCC)

7.1. Occupied Bandwidth(NTNV)

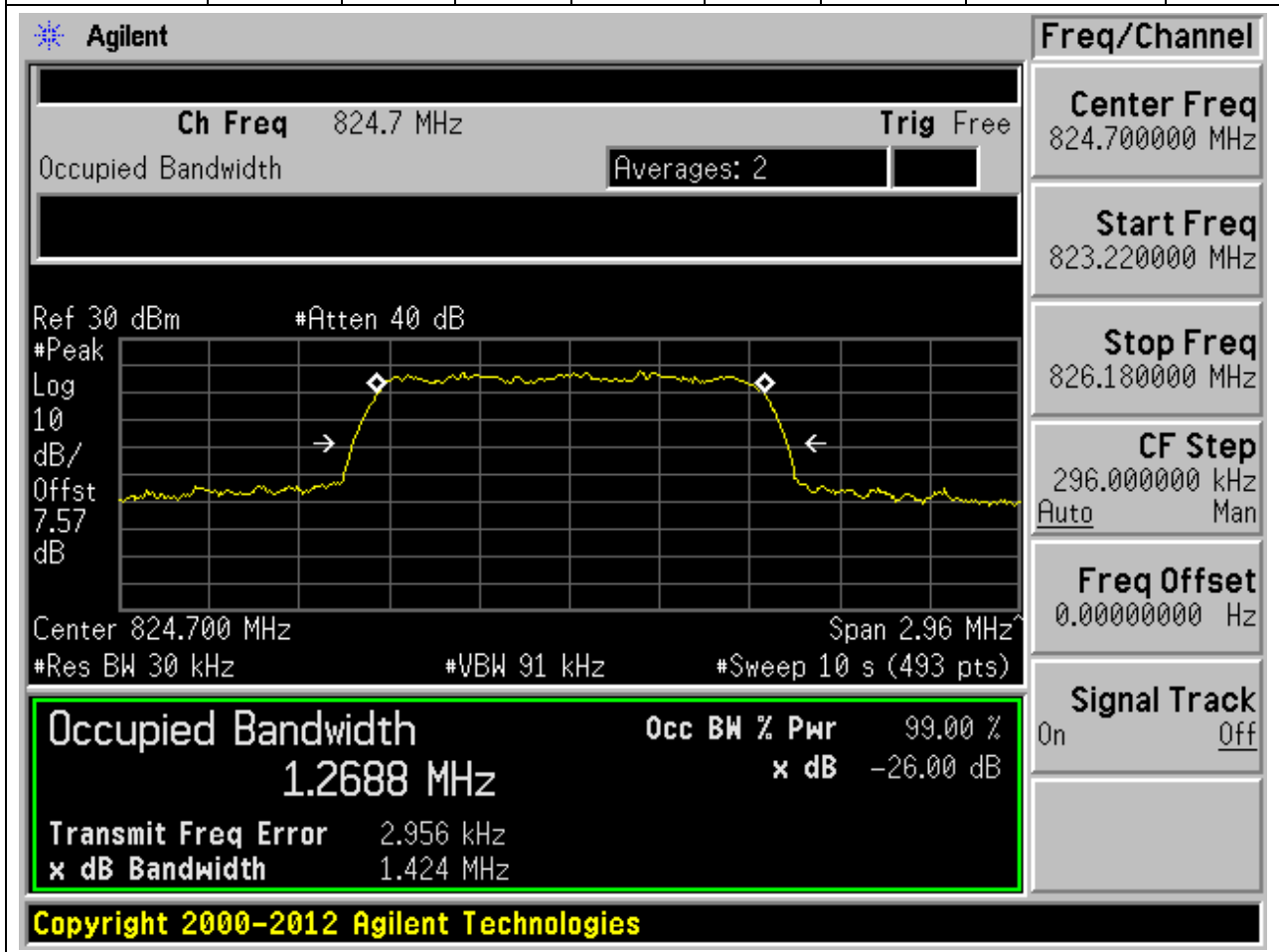
Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
848.31	99.00	26	0.03	Peak	1.48	1.278815	1.434299	Pass



8. EVDO BC0_CH1013(FCC)

8.1. Occupied Bandwidth(NTNV)

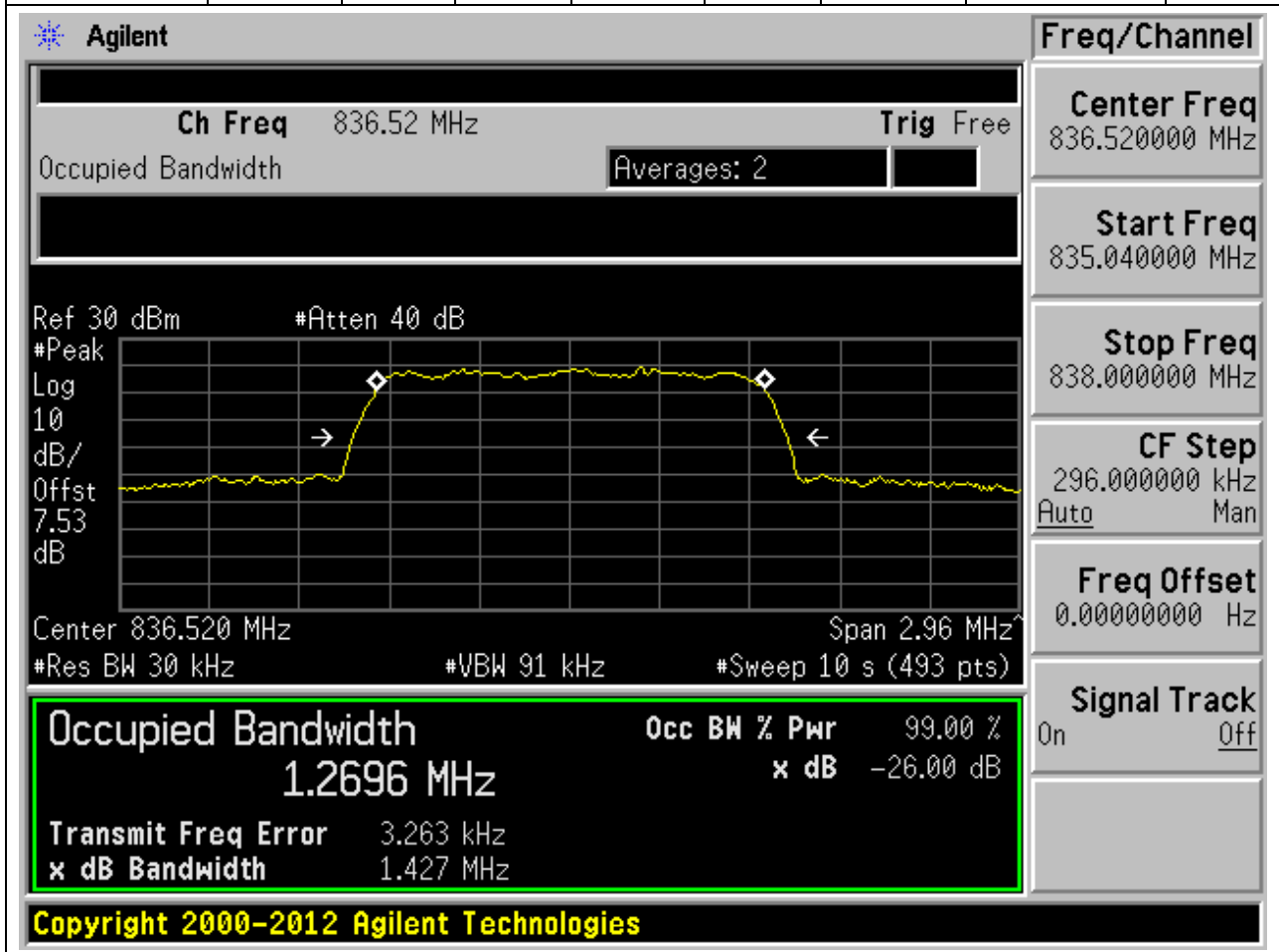
Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
824.7	99.00	26	0.03	Peak	1.48	1.268815	1.423572	Pass



9. EVDO BC0_CH384(FCC)

9.1. Occupied Bandwidth(NTNV)

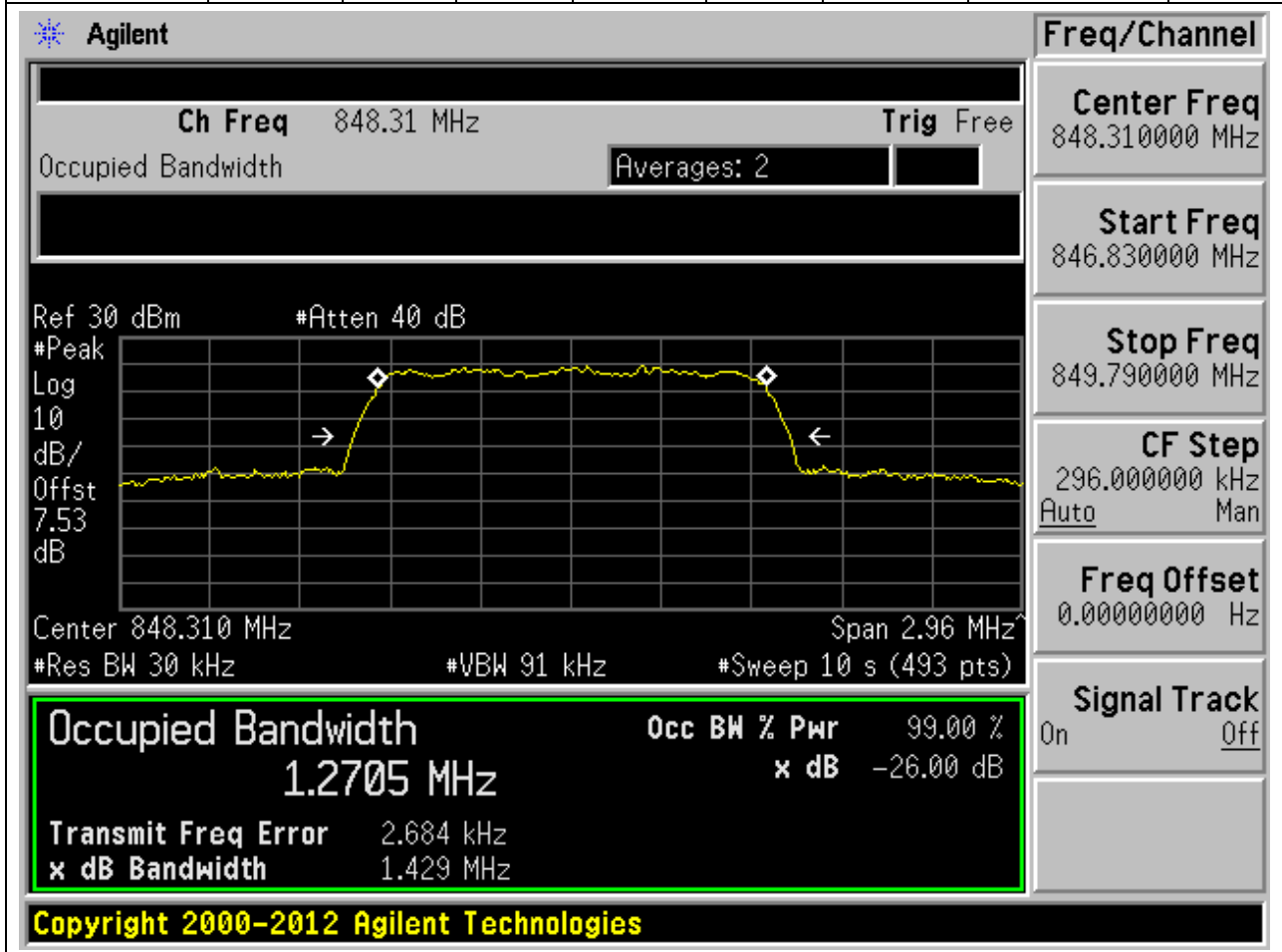
Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
836.52	99.00	26	0.03	Peak	1.48	1.269579	1.427479	Pass



10. EVDO BC0_CH777(FCC)

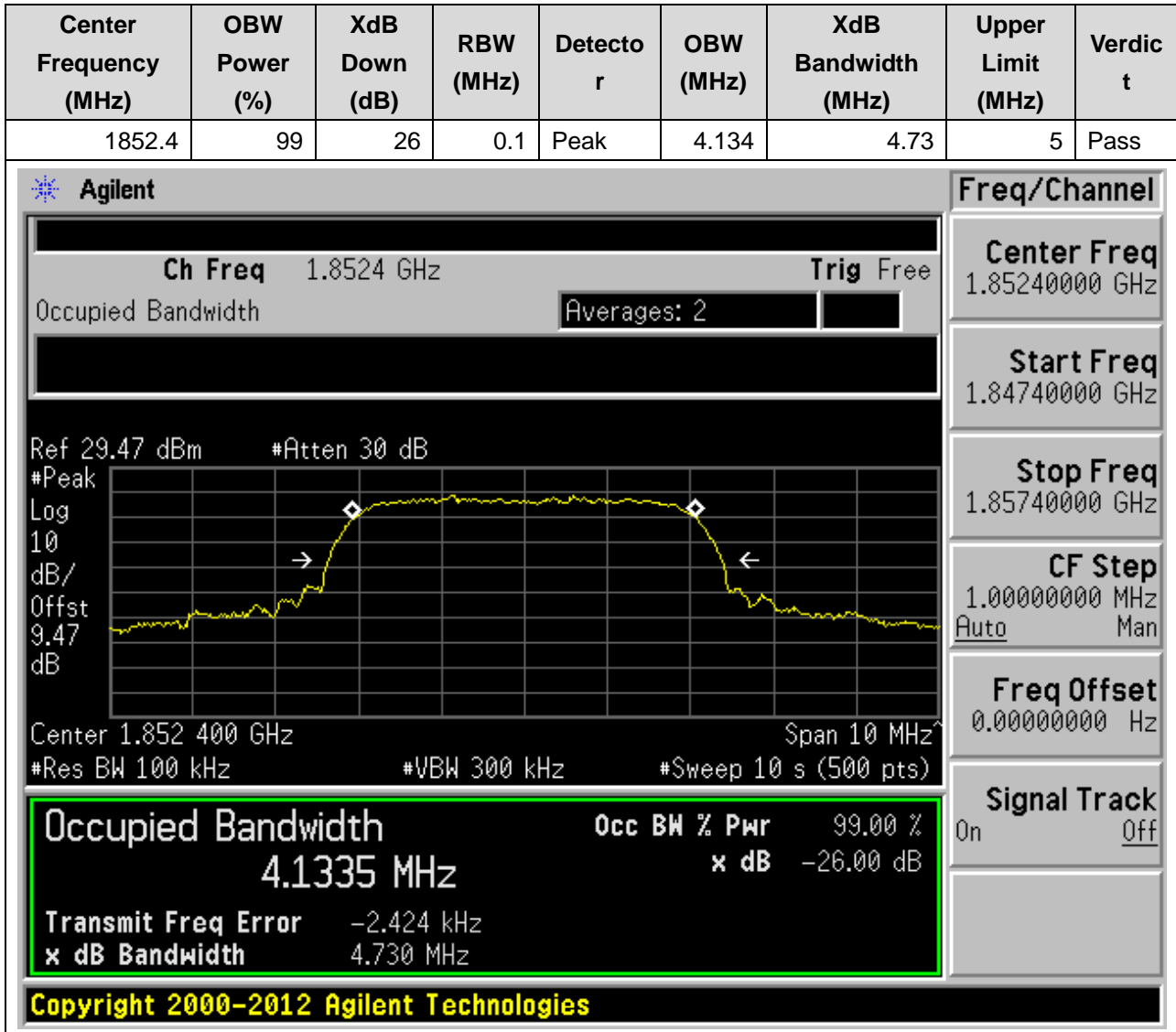
10.1. Occupied Bandwidth(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
848.31	99.00	26	0.03	Peak	1.48	1.270526	1.429465	Pass

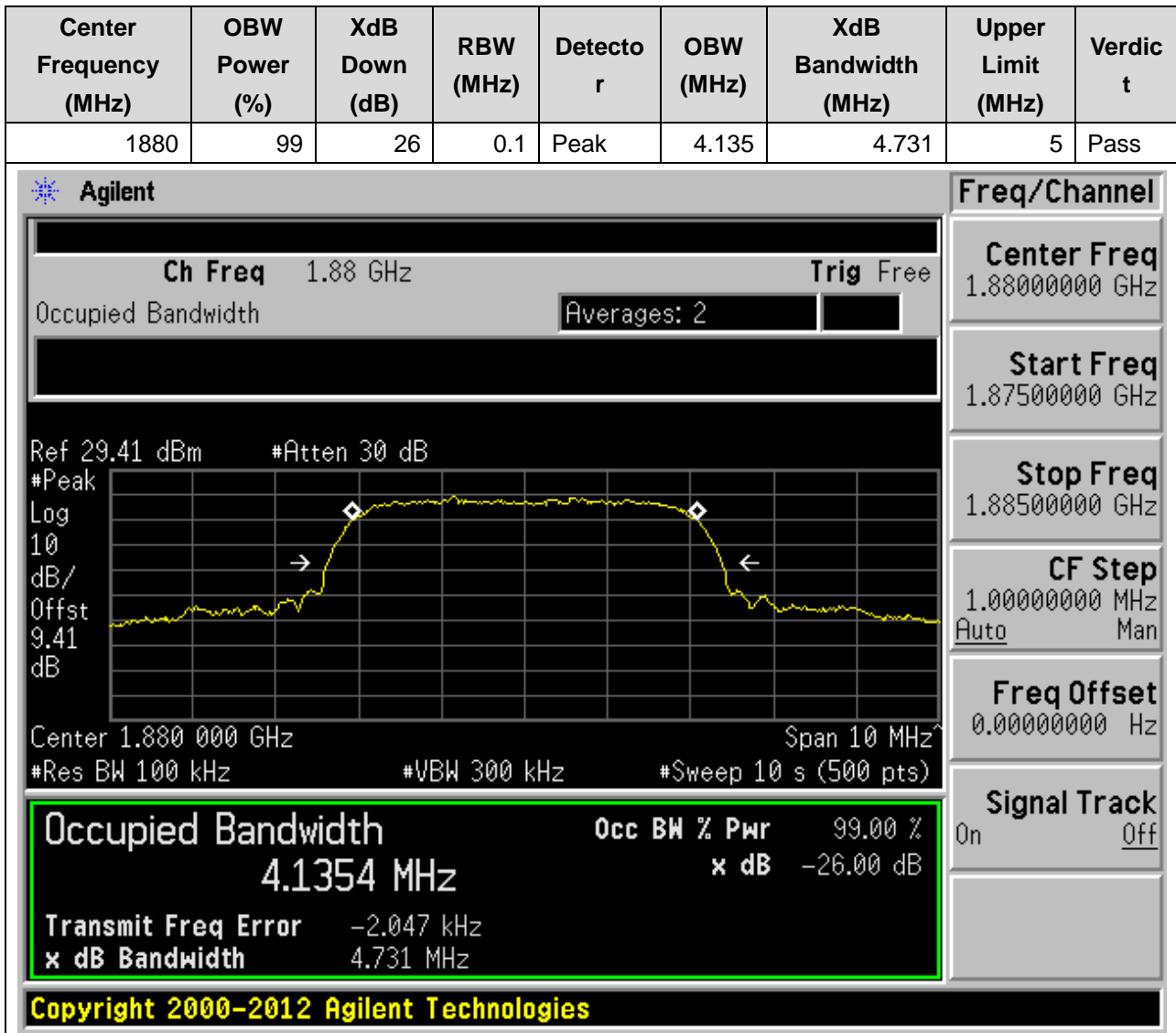


11. WCDMA_Band2

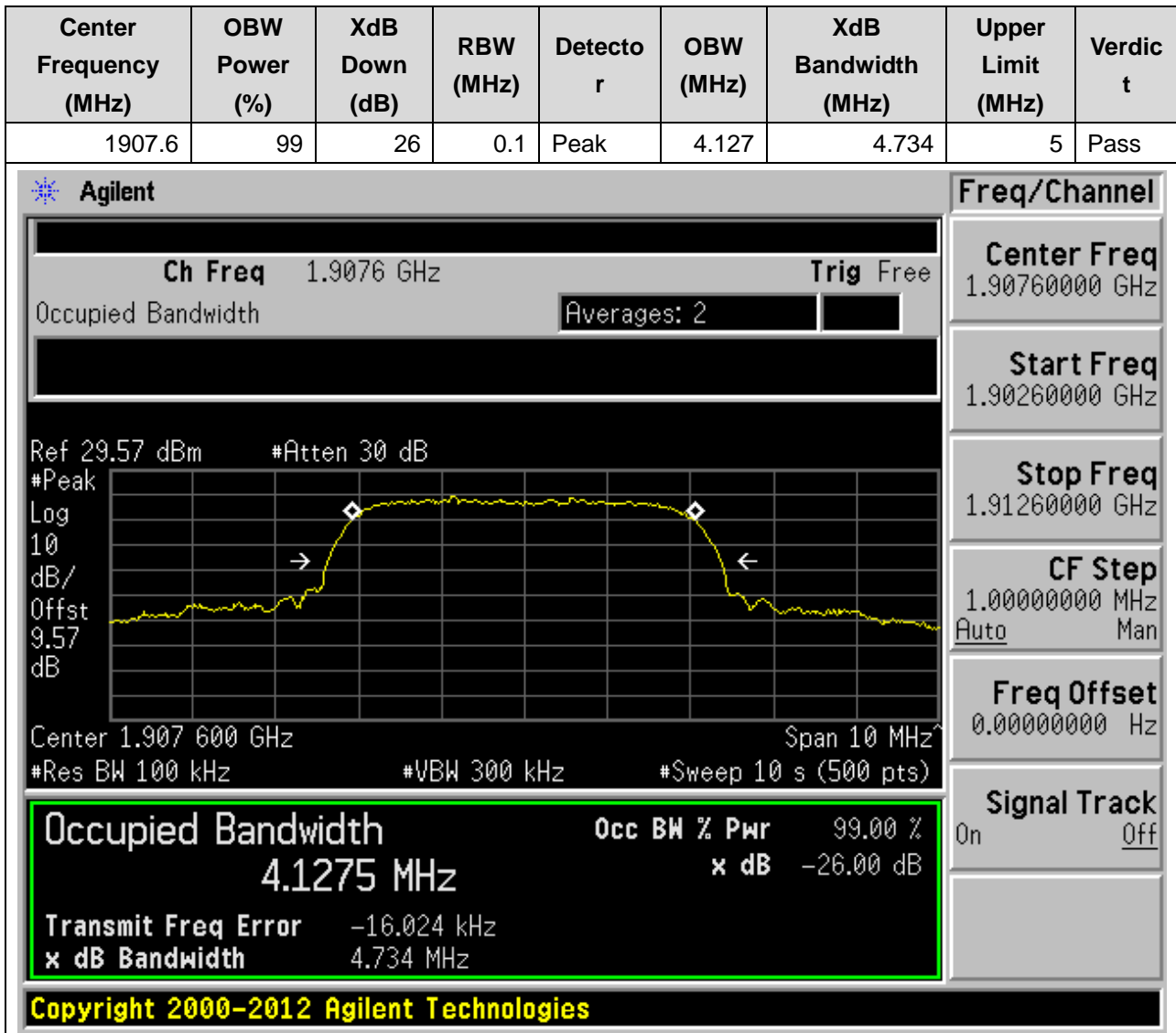
11.1. WCDMA Occupied Bandwidth(NTNV)(Channel:9262)



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



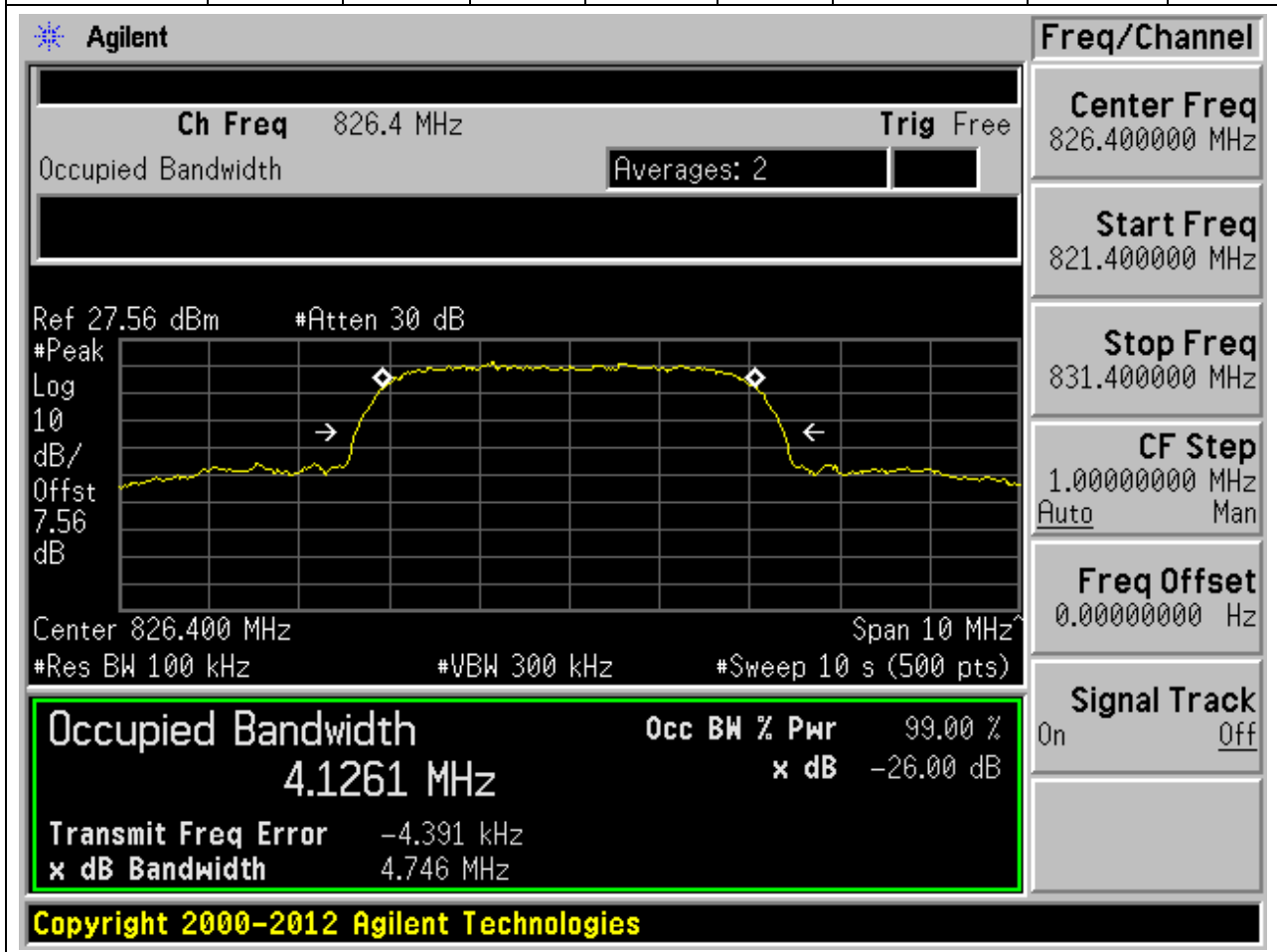
11.3. WCDMA Occupied Bandwidth(NTNV)(Channel:9538)



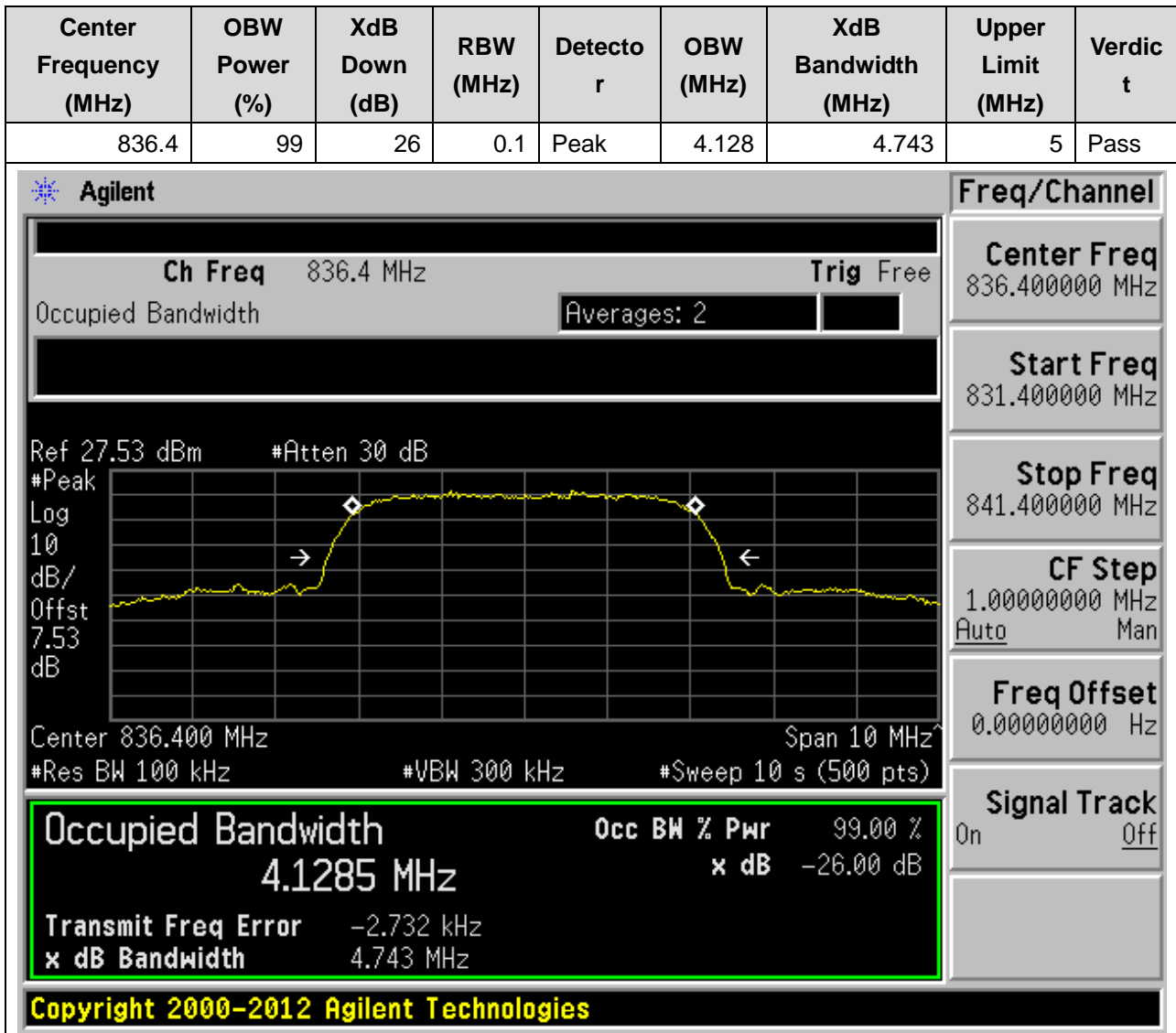
12. WCDMA_Band5

12.1. 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	4.126	4.746	5	Pass



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



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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
846.6	99	26	0.1	Peak	4.127	4.743	5	Pass

Agilent

Ch Freq 846.6 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 27.53 dBm #Atten 30 dB

Center 846.600 MHz Span 10 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.1267 MHz	x dB	-26.00 dB
Transmit Freq Error	-4.961 kHz	
x dB Bandwidth	4.743 MHz	

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Freq/Channel

Center Freq
846.600000 MHz

Start Freq
841.600000 MHz

Stop Freq
851.600000 MHz

CF Step
1.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

13. LTE_Band5

13.1. LTE Occupied Bandwidth(NTNV)(Subtest:1, Channel:20407, 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
824.7	99	26	0.027	Peak	1.087	1.281	1.4	Pass

Agilent
Freq/Channel

Ch Freq 824.7 MHz **Trig** Free

Occupied Bandwidth Averages: 2

Ref 27.57 dBm #Atten 30 dB

#Peak

Log

10

dB/

Offst

7.57

dB

Center 824.700 MHz Span 2.8 MHz

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

Center Freq
824.700000 MHz

Start Freq
823.300000 MHz

Stop Freq
826.100000 MHz

CF Step
280.000000 kHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

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

1.0874 MHz **x dB** -26.00 dB

Transmit Freq Error 398.518 Hz

x dB Bandwidth 1.281 MHz

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13.2. LTE Occupied Bandwidth(NTNV)(Subtest:2, Channel:20407, 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
824.7	99	26	0.027	Peak	1.091	1.288	1.4	Pass

Agilent

Ch Freq 824.7 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 27.57 dBm #Atten 30 dB

Center 824.700 MHz Span 2.8 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

1.0911 MHz x dB -26.00 dB

Transmit Freq Error -1.279 kHz

x dB Bandwidth 1.288 MHz

Freq/Channel

Center Freq 824.700000 MHz

Start Freq 823.300000 MHz

Stop Freq 826.100000 MHz

CF Step 280.000000 kHz
Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

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13.3. LTE Occupied Bandwidth(NTNV)(Subtest:3, Channel:20525, 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	1.089	1.307	1.4	Pass

Agilent
Freq/Channel

Ch Freq 836.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 27.53 dBm #Atten 30 dB

Center 836.500 MHz Span 2.8 MHz

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

Occupied Bandwidth

1.0888 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error 35.979 Hz

x dB Bandwidth 1.307 MHz

Signal Track

On Off

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13.4. LTE Occupied Bandwidth(NTNV)(Subtest:4, Channel:20525, 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
836.5	99	26	0.027	Peak	1.085	1.275	1.4	Pass

Agilent
Freq/Channel

Ch Freq 836.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 27.53 dBm #Atten 30 dB

Center 836.500 MHz Span 2.8 MHz

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

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

Occupied Bandwidth
1.0854 MHz

Transmit Freq Error 273.826 Hz

x dB Bandwidth 1.275 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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13.5. LTE Occupied Bandwidth(NTNV)(Subtest:5, Channel:20643, 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	1.093	1.283	1.4	Pass

Agilent

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

Ch Freq 848.3 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 27.53 dBm #Atten 30 dB

Center 848.300 MHz Span 2.8 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

1.0927 MHz

x dB -26.00 dB

Transmit Freq Error -1.321 kHz

x dB Bandwidth 1.283 MHz

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13.6. LTE Occupied Bandwidth(NTNV)(Subtest:6, Channel:20643, 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
848.3	99	26	0.027	Peak	1.09	1.286	1.4	Pass

Agilent

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

Ch Freq 848.3 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 27.53 dBm #Atten 30 dB

Center 848.300 MHz Span 2.8 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

1.0899 MHz

x dB -26.00 dB

Transmit Freq Error 279.610 Hz

x dB Bandwidth 1.286 MHz

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

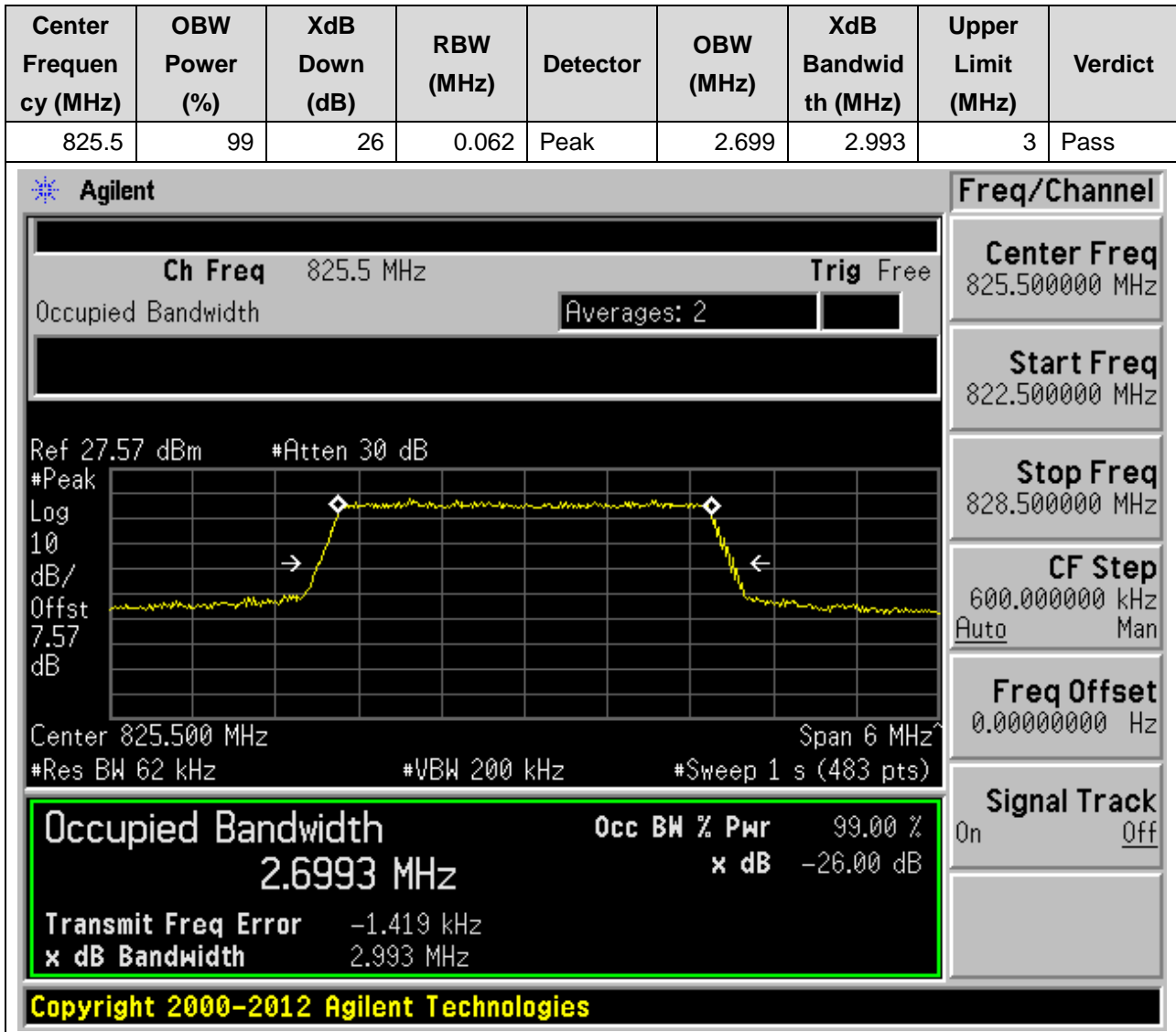
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
825.5	99	26	0.062	Peak	2.704	2.986	3	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 825.5 MHz, and the span is 6 MHz. The occupied bandwidth is measured as 2.704 MHz, which is 99.00% of the power. The XdB down is -26.00 dB. The transmit frequency error is -2.294 kHz, and the XdB bandwidth is 2.986 MHz. The interface also shows various settings such as Res BW (62 kHz), VBW (200 kHz), and Sweep (1 s). A table on the right side of the interface provides additional parameters like Start Freq (822.5 MHz), Stop Freq (828.5 MHz), and CF Step (600.0 kHz).

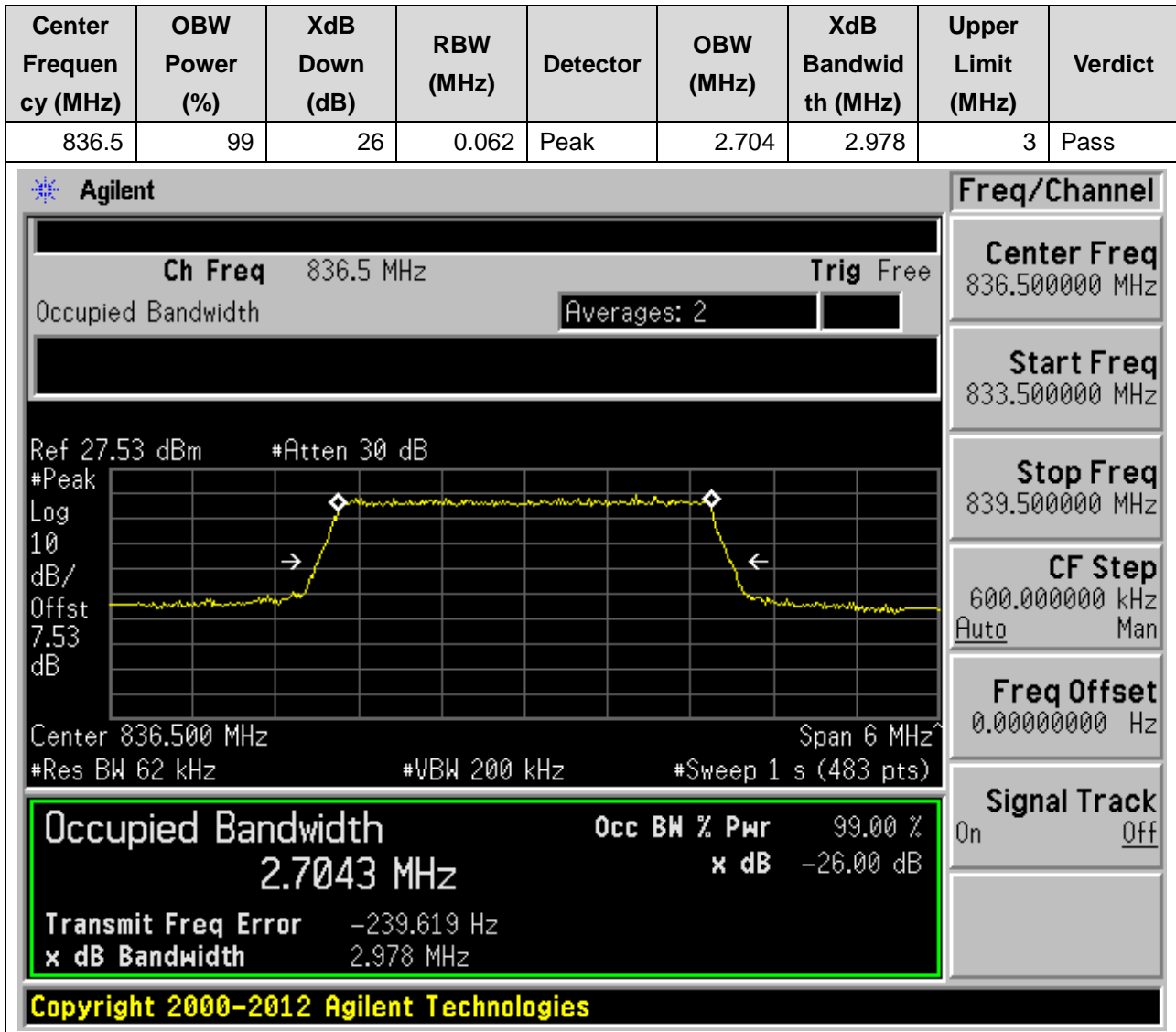
Occupied Bandwidth		Occ BW % Pwr	99.00 %
2.7040 MHz		x dB	-26.00 dB
Transmit Freq Error	-2.294 kHz		
x dB Bandwidth	2.986 MHz		

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

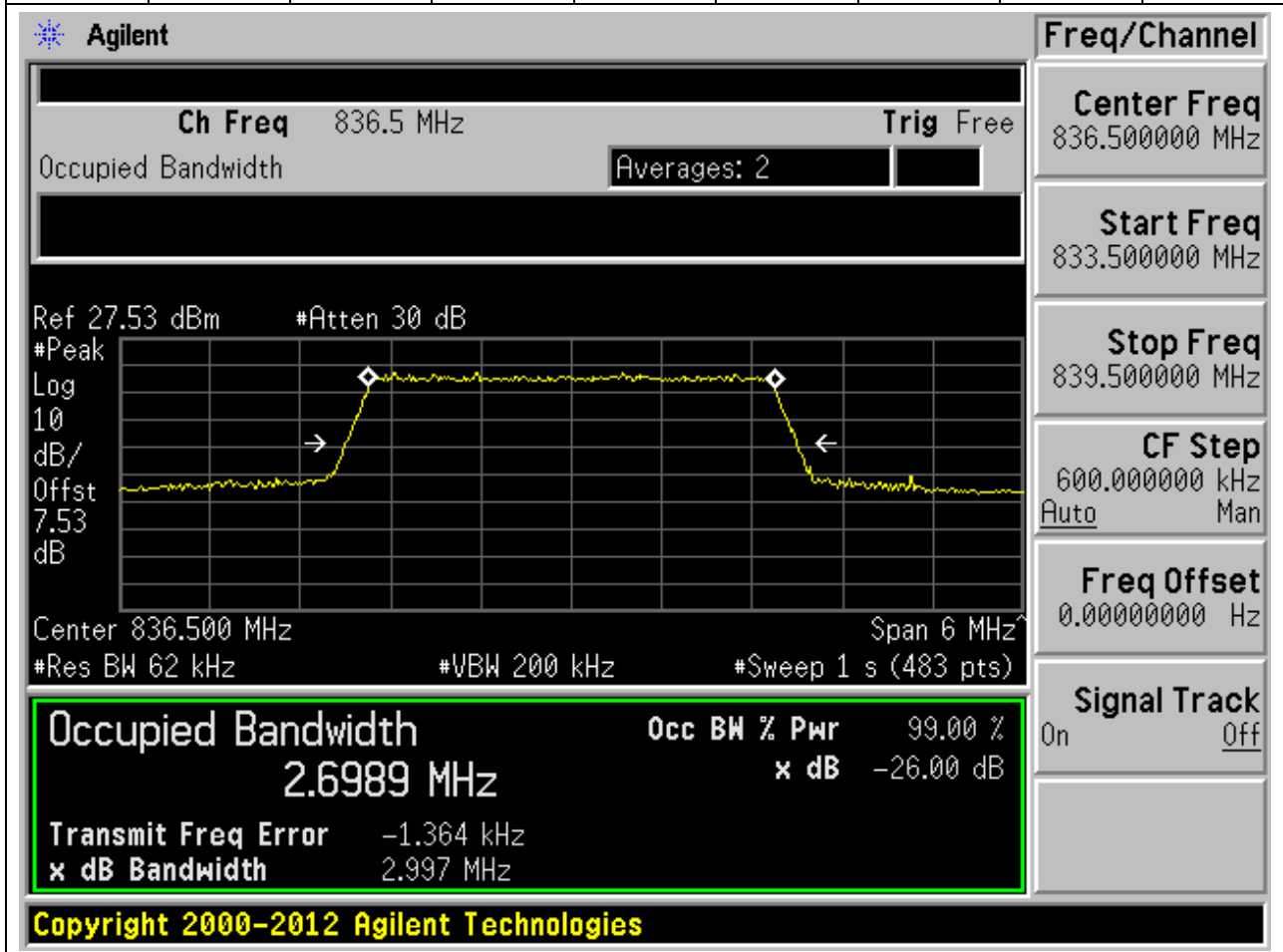


13.9. LTE Occupied Bandwidth(NTNV)(Subtest:9, Channel:20525, Bandwidth:3, Modulation:QPSK, RB Number: 15, RB Position:LOW)



13.10. 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	2.699	2.997	3	Pass



13.11. 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	2.707	2.987	3	Pass

Agilent
Freq/Channel

Ch Freq 847.5 MHz Trig Free

Occupied Bandwidth Averages: 2

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

Ref 27.53 dBm #Atten 30 dB

Center 847.500 MHz Span 6 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

2.7066 MHz x dB -26.00 dB

Transmit Freq Error -4.163 kHz

x dB Bandwidth 2.987 MHz

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13.12. 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	2.697	2.994	3	Pass

Agilent
Freq/Channel

Ch Freq 847.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 27.53 dBm #Atten 30 dB

Center 847.500 MHz Span 6 MHz
#Res BW 62 kHz #VBW 200 kHz #Sweep 1 s (483 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
2.6972 MHz	x dB	-26.00 dB
Transmit Freq Error	-2.631 kHz	
x dB Bandwidth	2.994 MHz	

Signal Track	On Off
---------------------	-----------

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13.13. 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	4.508	4.999	5	Pass

Agilent

Ch Freq 826.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 27.56 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 7.56 dB

Center 826.500 MHz Span 10 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %
4.5084 MHz x dB -26.00 dB

Transmit Freq Error -2.819 kHz
 x dB Bandwidth 4.999 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

13.14. 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	4.499	4.987	5	Pass

Agilent

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

Ch Freq 826.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 27.56 dBm #Atten 30 dB

Center 826.500 MHz Span 10 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

4.4989 MHz

x dB -26.00 dB

Transmit Freq Error -5.245 kHz

x dB Bandwidth 4.987 MHz

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13.15. 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	4.493	4.987	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 Trig Free

Occupied Bandwidth Averages: 2

Ref 27.53 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 %

4.4926 MHz x dB -26.00 dB

Transmit Freq Error -4.901 kHz

x dB Bandwidth 4.987 MHz

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13.16. 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	4.504	5.018	5	Pass

Agilent

Ch Freq 836.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 27.53 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 7.53 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 %
4.5041 MHz x dB -26.00 dB

Transmit Freq Error -3.290 kHz
 x dB Bandwidth 5.018 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

13.17. 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	4.497	4.994	5	Pass

Agilent

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

Ch Freq 846.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 27.53 dBm #Atten 30 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 %

4.4967 MHz

x dB -26.00 dB

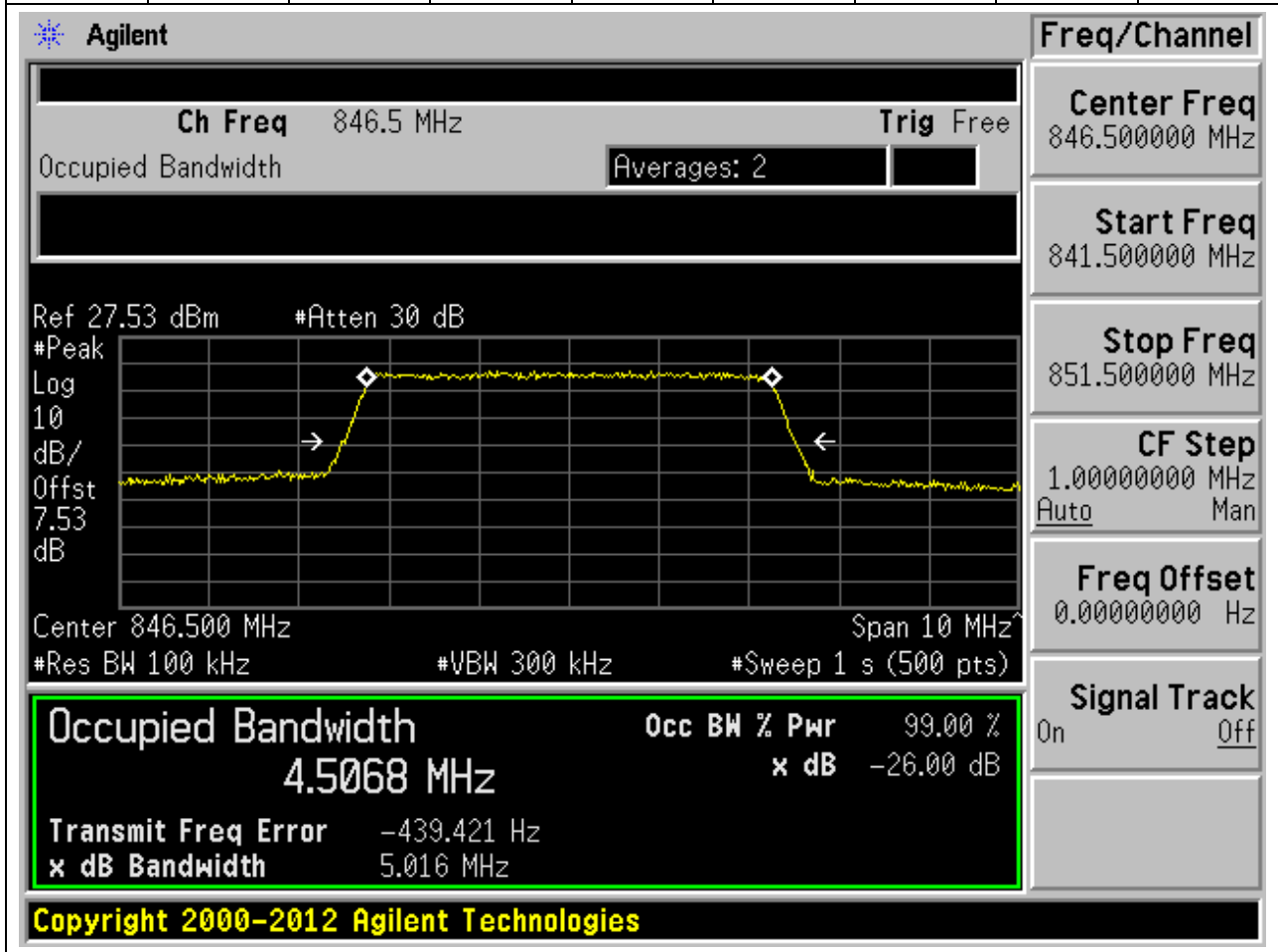
Transmit Freq Error -1.195 kHz

x dB Bandwidth 4.994 MHz

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13.18. 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	4.507	5.016	5	Pass



13.19. 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	8.988	10.018	10	Pass

Agilent

Ch Freq 829 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 27.56 dBm #Atten 30 dB

Center 829.00 MHz Span 20 MHz

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

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

8.9875 MHz

x dB -26.00 dB

Transmit Freq Error 3.082 kHz

x dB Bandwidth 10.018 MHz

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13.20. LTE Occupied Bandwidth(NTNV)(Subtest:20, Channel:20450, 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	8.973	9.909	10	Pass

Agilent

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

Ch Freq 829 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 27.56 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 %

8.9729 MHz x dB -26.00 dB

Transmit Freq Error 11.903 kHz

x dB Bandwidth 9.909 MHz

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13.21. 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	8.951	9.916	10	Pass

Agilent
Freq/Channel

Ch Freq 836.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 27.53 dBm #Atten 30 dB

Center 836.50 MHz Span 20 MHz

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

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

8.9506 MHz

x dB -26.00 dB

Transmit Freq Error -2.488 kHz

x dB Bandwidth 9.916 MHz

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13.22. LTE Occupied Bandwidth(NTNV)(Subtest:22, Channel:20525, 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
836.5	99	26	0.2	Peak	8.944	9.877	10	Pass

Agilent
Freq/Channel

Ch Freq 836.5 MHz **Trig** Free

Occupied Bandwidth Averages: 2

Ref 27.53 dBm #Atten 30 dB

#Peak

Log

10

dB/

Offst

7.53

dB

Center 836.50 MHz Span 20 MHz

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

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
8.9442 MHz	x dB	-26.00 dB
Transmit Freq Error	1.753 kHz	
x dB Bandwidth	9.877 MHz	

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13.23. LTE Occupied Bandwidth(NTNV)(Subtest:23, Channel:20600, 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	8.97	9.9	10	Pass

Agilent

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

Ch Freq 844 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 27.52 dBm #Atten 30 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 %

8.9698 MHz x dB -26.00 dB

Transmit Freq Error -11.749 kHz

x dB Bandwidth 9.900 MHz

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13.24. 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	8.954	9.888	10	Pass

Agilent
Freq/Channel

Ch Freq 844 MHz
Trig Free

Occupied Bandwidth Averages: 2

Ref 27.52 dBm #Atten 30 dB

#Peak

Log 10

dB/Offst 7.53 dB

Center 844.00 MHz Span 20 MHz

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

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

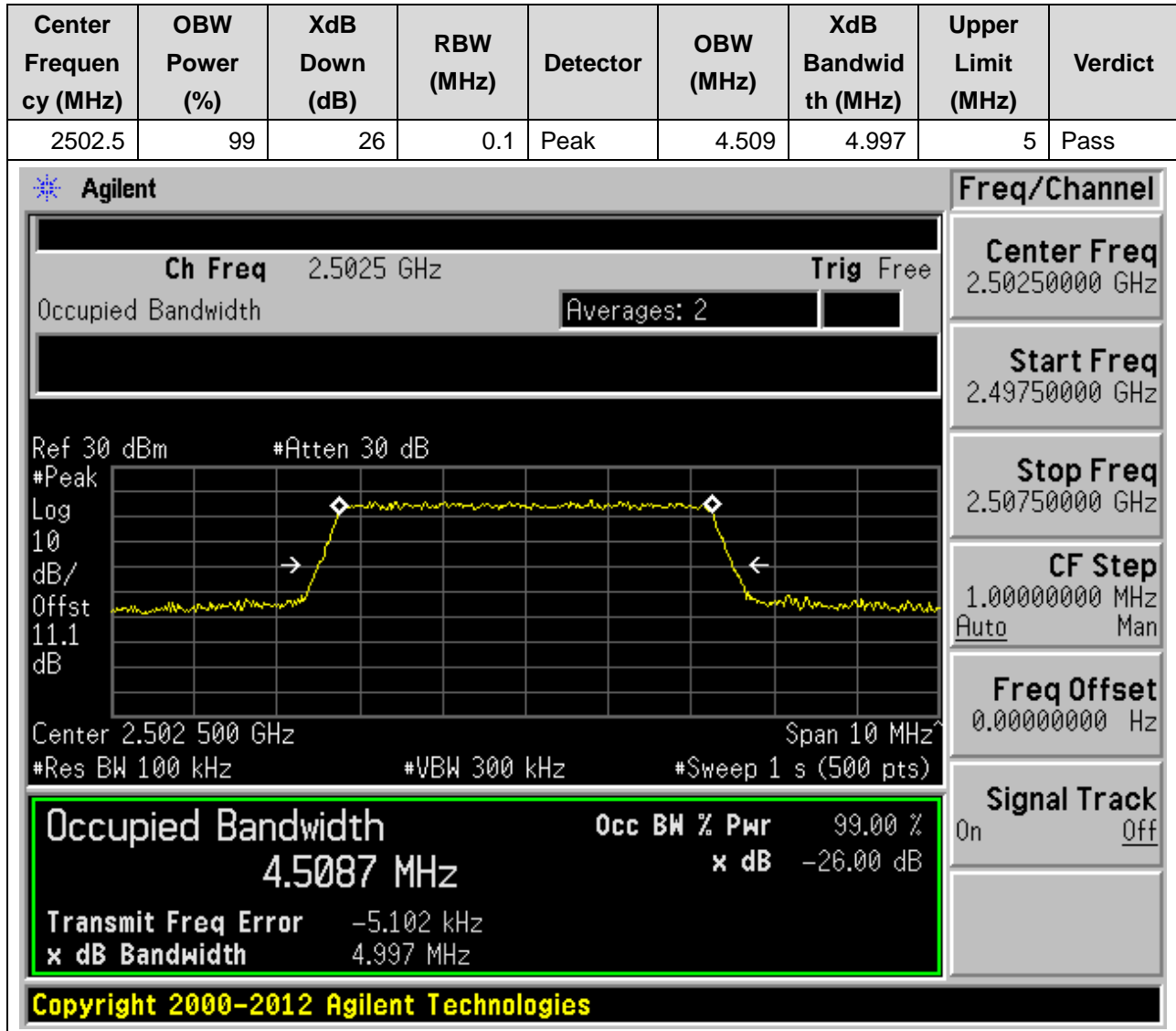
Signal Track
On Off

Occupied Bandwidth	Occ BW % Pwr	99.00 %
8.9538 MHz	x dB	-26.00 dB
Transmit Freq Error	-11.382 kHz	
x dB Bandwidth	9.888 MHz	

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14. LTE_Band7

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



14.2. LTE Occupied Bandwidth(NTNV)(Subtest:2, Channel:20775, 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
2502.5	99	26	0.1	Peak	4.499	5.019	5	Pass

Agilent
Freq/Channel

Ch Freq 2.5025 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.1 dB

Center 2.502 500 GHz Span 10 MHz

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

Center Freq 2.50250000 GHz

Start Freq 2.49750000 GHz

Stop Freq 2.50750000 GHz

CF Step 1.00000000 MHz Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

4.4987 MHz x dB -26.00 dB

Transmit Freq Error -1.561 kHz

x dB Bandwidth 5.019 MHz

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14.3. LTE Occupied Bandwidth(NTNV)(Subtest:3, Channel:21100, 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
2535	99	26	0.1	Peak	4.498	5.012	5	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 2.535 GHz and a span of 10 MHz. The trace shows a signal with a bandwidth of 4.4984 MHz and a power level of 99.00%. The XdB Down is set to -26.00 dB. The plot also shows the Res BW (Resolution Bandwidth) at 100 kHz and the VBW (Video Bandwidth) at 300 kHz. The sweep time is 1 s (500 pts). The signal track is turned on. The interface includes various control panels for frequency, power, and bandwidth settings.

Occupied Bandwidth		Occ BW % Pwr	99.00 %
4.4984 MHz		x dB	-26.00 dB
Transmit Freq Error		-3.064 kHz	
x dB Bandwidth		5.012 MHz	

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14.4. LTE Occupied Bandwidth(NTNV)(Subtest:4, Channel:21100, 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
2535	99	26	0.1	Peak	4.503	5.025	5	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 2.535 GHz and a span of 10 MHz. The y-axis is labeled 'dB/Offst' and the x-axis is labeled 'Span 10 MHz'. The plot shows a signal with a peak at approximately 2.535 GHz. The 'Occupied Bandwidth' is highlighted in a green box and shows a value of 4.5028 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is -6.186 kHz and the 'x dB Bandwidth' is 5.025 MHz. The 'Copyright 2000-2012 Agilent Technologies' is displayed at the bottom of the interface.

Occupied Bandwidth		Occ BW % Pwr	99.00 %
4.5028 MHz		x dB	-26.00 dB
Transmit Freq Error		-6.186 kHz	
x dB Bandwidth		5.025 MHz	

14.5. LTE Occupied Bandwidth(NTNV)(Subtest:5, Channel:21425, 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
2567.5	99	26	0.1	Peak	4.49	4.961	5	Pass

Agilent

Ch Freq 2.5675 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11 dB

Center 2.567 500 GHz Span 10 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %
4.4904 MHz x dB -26.00 dB

Transmit Freq Error -3.582 kHz
 x dB Bandwidth 4.961 MHz

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Freq/Channel

Center Freq 2.56750000 GHz

Start Freq 2.56250000 GHz

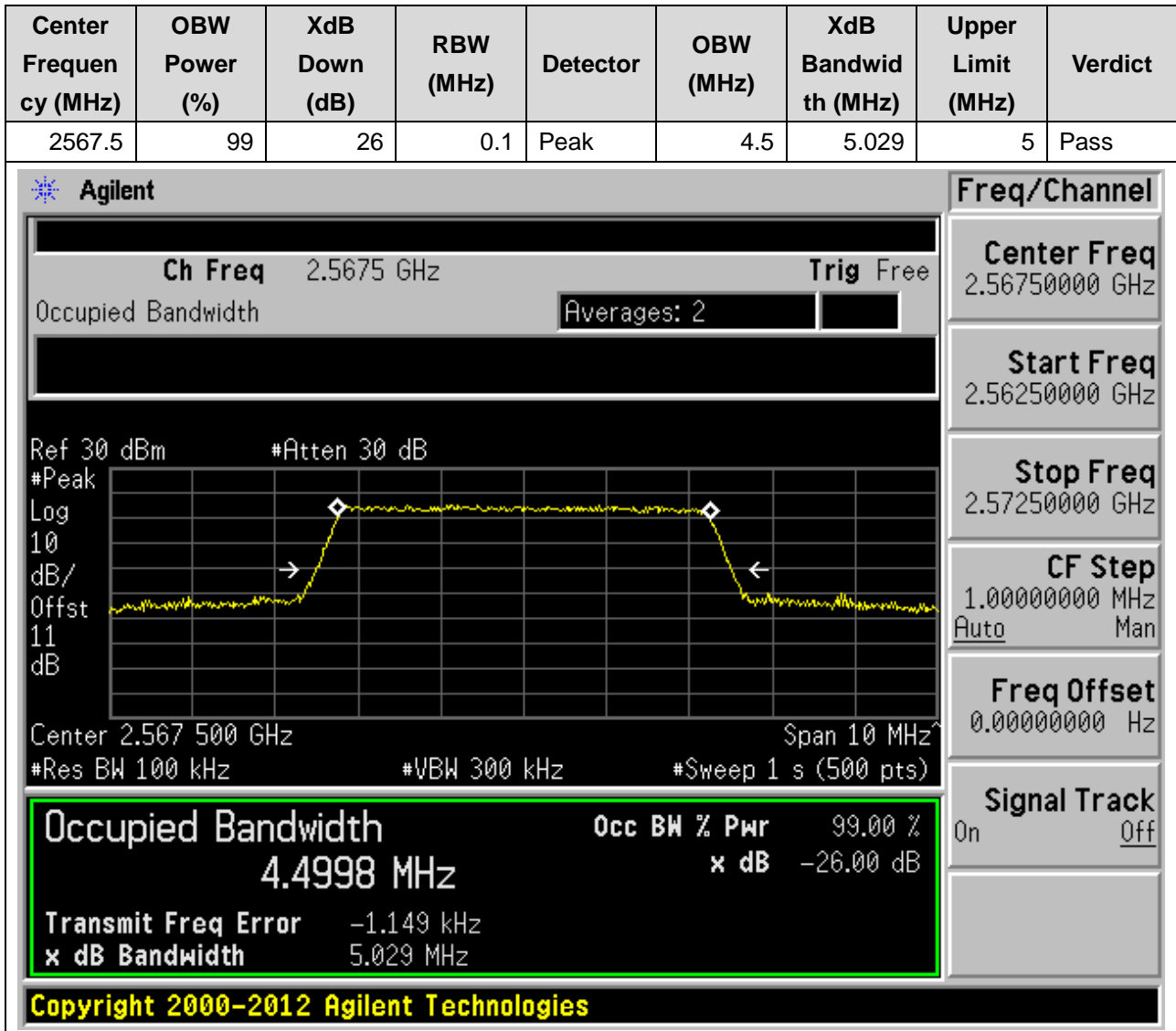
Stop Freq 2.57250000 GHz

CF Step 1.00000000 MHz
 Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

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



14.7. 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	8.976	9.982	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The plot is set to a center frequency of 2.505 GHz and a span of 20 MHz. The vertical axis is labeled 'dB/Offst' with a value of 11.1 dB. The horizontal axis is labeled 'Span 20 MHz'. The plot shows a signal with a peak at 2.505 GHz. The 'Occupied Bandwidth' is measured as 8.9761 MHz, which is 99.00% of the power. The 'x dB Bandwidth' is 9.982 MHz. The 'Transmit Freq Error' is 1.700 kHz. The 'x dB Bandwidth' is 9.982 MHz. The 'Copyright 2000-2012 Agilent Technologies' is displayed at the bottom.

Occupied Bandwidth		Occ BW % Pwr	99.00 %
8.9761 MHz		x dB	-26.00 dB
Transmit Freq Error		1.700 kHz	
x dB Bandwidth		9.982 MHz	

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14.8. LTE Occupied Bandwidth(NTNV)(Subtest:8, Channel:20800, 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
2505	99	26	0.2	Peak	8.965	9.838	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The plot is set to a center frequency of 2.505 GHz and a span of 20 MHz. The vertical axis is labeled 'dB/Offst' with a value of 11.1 dB. The horizontal axis is labeled 'Span 20 MHz'. The plot shows a signal with a peak at 2.505 GHz. The 'Occupied Bandwidth' is highlighted in a green box, showing a value of 8.9652 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is 3.629 kHz and the 'x dB Bandwidth' is 9.838 MHz. The 'Copyright 2000-2012 Agilent Technologies' is displayed at the bottom.

Agilent		Freq/Channel	
Ch Freq	2.505 GHz	Center Freq	2.50500000 GHz
Occupied Bandwidth	Averages: 2	Start Freq	2.49500000 GHz
Ref 30 dBm	#Atten 30 dB	Stop Freq	2.51500000 GHz
#Peak		CF Step	2.00000000 MHz Auto Man
Log		Freq Offset	0.00000000 Hz
10		Signal Track	On Off
dB/Offst	11.1 dB		
Center	2.505 00 GHz		
#Res BW	200 kHz		
#VBW	620 kHz		
#Sweep	1 s (500 pts)		
Occupied Bandwidth		Occ BW % Pwr	99.00 %
8.9652 MHz		x dB	-26.00 dB
Transmit Freq Error	3.629 kHz		
x dB Bandwidth	9.838 MHz		
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14.9. LTE Occupied Bandwidth(NTNV)(Subtest:9, Channel:21100, 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
2535	99	26	0.2	Peak	8.944	9.833	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The plot is set to a center frequency of 2.535 GHz and a span of 20 MHz. The resolution bandwidth (RBW) is 200 kHz, and the video bandwidth (VBW) is 620 kHz. The plot shows a signal with a peak level of approximately -26 dB. The occupied bandwidth is measured as 8.9439 MHz, which is 99.00% of the total bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -2.025 kHz, and the XdB bandwidth is 9.833 MHz. The signal track is turned on.

Occupied Bandwidth		Occ BW % Pwr	99.00 %
8.9439 MHz		x dB	-26.00 dB
Transmit Freq Error		-2.025 kHz	
x dB Bandwidth		9.833 MHz	

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14.10. LTE Occupied Bandwidth(NTNV)(Subtest:10, Channel:21100, 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
2535	99	26	0.2	Peak	8.957	9.846	10	Pass

Agilent

Ch Freq 2.535 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.9 dB

Center 2.535 00 GHz Span 20 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %
8.9566 MHz x dB -26.00 dB

Transmit Freq Error 3.970 kHz
 x dB Bandwidth 9.846 MHz

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Freq/Channel

Center Freq 2.53500000 GHz

Start Freq 2.52500000 GHz

Stop Freq 2.54500000 GHz

CF Step 2.00000000 MHz
 Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

14.11. 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	8.965	9.889	10	Pass

Agilent
Freq/Channel

Ch Freq 2.565 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak

Log

10

dB/

Offst

11

dB

Center 2.565 00 GHz Span 20 MHz

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

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

8.9646 MHz

x dB -26.00 dB

Transmit Freq Error -22.229 kHz

x dB Bandwidth 9.889 MHz

Signal Track

On Off

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14.12. LTE Occupied Bandwidth(NTNV)(Subtest:12, Channel:21400, 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
2565	99	26	0.2	Peak	8.965	9.935	10	Pass

Agilent
Freq/Channel

Ch Freq 2.565 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 2.565 00 GHz Span 20 MHz

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

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

Occupied Bandwidth

8.9654 MHz

Transmit Freq Error -21.326 kHz

x dB Bandwidth 9.935 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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14.13. 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	13.453	14.83	15	Pass

Agilent

Ch Freq 2.5075 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dB #Atten 30 dB

#Peak Log 10 dB/Offst 11.1 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 %
13.4529 MHz x dB -26.00 dB

Transmit Freq Error -8.532 kHz
 x dB Bandwidth 14.830 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

14.14. 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	13.467	14.706	15	Pass

Agilent
Freq/Channel

Ch Freq 2.5075 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 2.507 50 GHz Span 30 MHz

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

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

Occupied Bandwidth

13.4667 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -19.974 kHz

x dB Bandwidth 14.706 MHz

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14.15. 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	13.43	14.691	15	Pass

Agilent

Ch Freq 2.535 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.9 dB

Center 2.535 00 GHz Span 30 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

13.4298 MHz x dB -26.00 dB

Transmit Freq Error -2.931 kHz

x dB Bandwidth 14.691 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

14.16. 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	13.464	14.775	15	Pass

Agilent

Ch Freq 2.535 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.9 dB

Center 2.535 00 GHz Span 30 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %
13.4642 MHz x dB -26.00 dB

Transmit Freq Error 4.679 kHz
 x dB Bandwidth 14.775 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

14.17. 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	13.427	14.808	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 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 %

13.4270 MHz x dB -26.00 dB

Transmit Freq Error -18.666 kHz

x dB Bandwidth 14.808 MHz

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Freq/Channel

Center Freq 2.56250000 GHz

Start Freq 2.54750000 GHz

Stop Freq 2.57750000 GHz

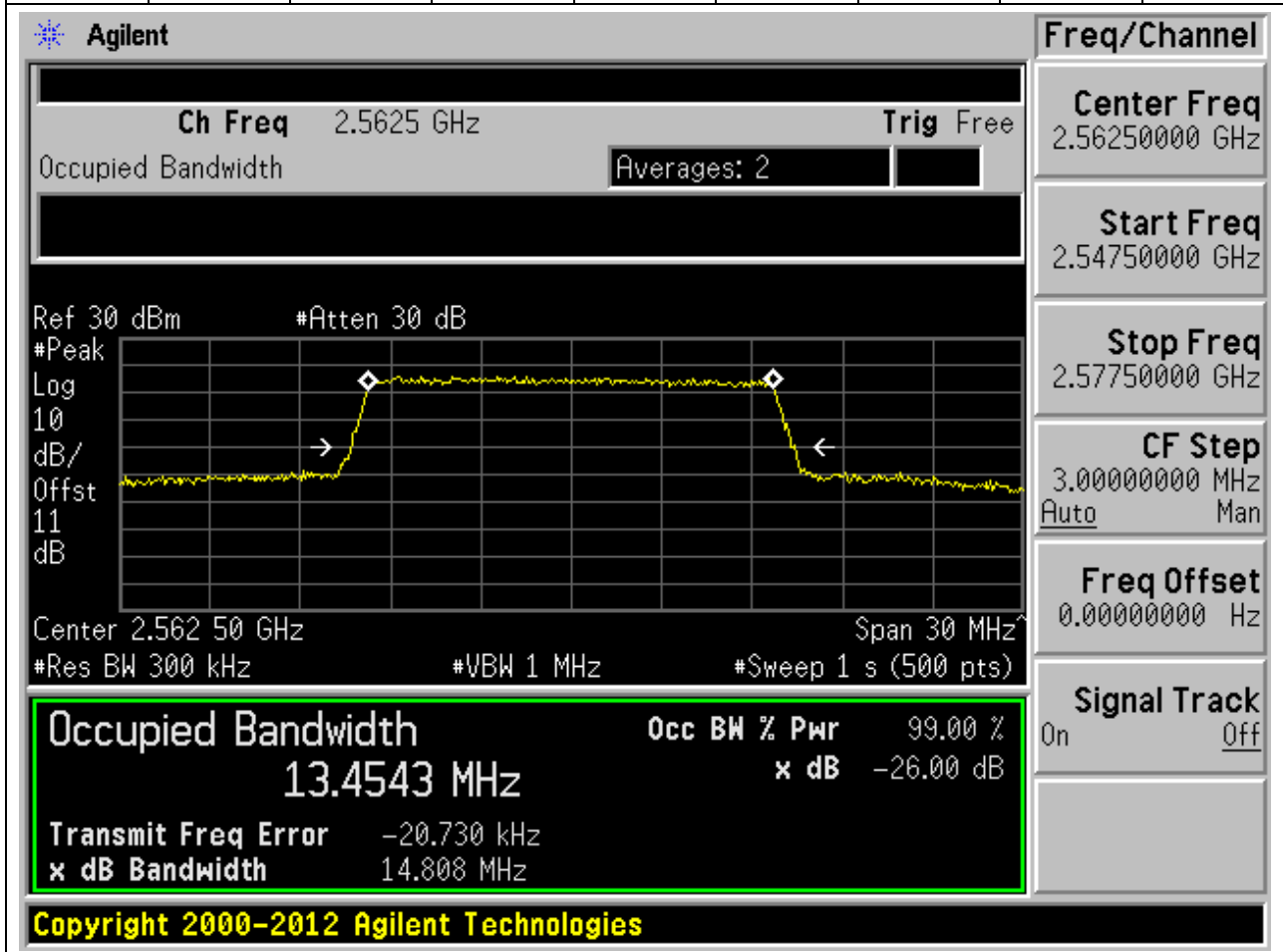
CF Step 3.00000000 MHz Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

14.18. 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	13.454	14.808	15	Pass



14.19. 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	17.92	19.491	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/Offst' with a value of 11.1 dB. The horizontal axis is labeled 'Span 40 MHz'. The plot shows a signal with a peak at 2.51 GHz. The 'Occupied Bandwidth' is measured as 17.9203 MHz, which is 99.00% of the power. The 'x dB Bandwidth' is 19.491 MHz. The 'Transmit Freq Error' is -941.000 Hz. The 'Copyright 2000-2012 Agilent Technologies' is displayed at the bottom.

Parameter	Value
Center Freq	2.51 GHz
Occupied Bandwidth	17.9203 MHz
Occ BW % Pwr	99.00 %
x dB Bandwidth	19.491 MHz
Transmit Freq Error	-941.000 Hz
Copyright	2000-2012 Agilent Technologies

14.20. 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	17.929	19.422	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/Offst' with a value of 11.1 dB. The horizontal axis is labeled 'Span 40 MHz'. The plot shows a signal with a peak at 2.51 GHz. The 'Occupied Bandwidth' is highlighted in a green box, showing a value of 17.9287 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is -8.101 kHz and the 'x dB Bandwidth' is 19.422 MHz. The 'Copyright 2000-2012 Agilent Technologies' is displayed at the bottom.

Occupied Bandwidth		Occ BW % Pwr	99.00 %
17.9287 MHz		x dB	-26.00 dB
Transmit Freq Error		-8.101 kHz	
x dB Bandwidth		19.422 MHz	

14.21. 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	17.935	19.531	20	Pass

Agilent

Ch Freq 2.535 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.9 dB

Center 2.535 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 %
17.935 MHz x dB -26.00 dB

Transmit Freq Error 29.815 kHz
 x dB Bandwidth 19.531 MHz

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Freq/Channel

Center Freq 2.53500000 GHz

Start Freq 2.51500000 GHz

Stop Freq 2.55500000 GHz

CF Step 4.00000000 MHz
 Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

14.22. LTE Occupied Bandwidth(NTNV)(Subtest:22, Channel:21100, 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
2535	99	26	0.39	Peak	17.919	19.635	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 2.535 GHz and a span of 40 MHz. The vertical axis is labeled 'dB/Offst' with a value of 10.9 dB. The horizontal axis is labeled 'Span 40 MHz'. The plot shows a signal with a peak at 2.535 GHz. The 'Occupied Bandwidth' is measured as 17.9193 MHz, and the 'Occ BW % Pwr' is 99.00%. The 'x dB Bandwidth' is 19.635 MHz. The 'Transmit Freq Error' is 1.460 kHz. The 'x dB Bandwidth' is 19.635 MHz. The 'Copyright 2000-2012 Agilent Technologies' is displayed at the bottom.

Occupied Bandwidth		Occ BW % Pwr
17.9193 MHz	99.00 %	
Transmit Freq Error	1.460 kHz	
x dB Bandwidth	19.635 MHz	

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14.23. 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	17.896	19.578	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 2.56 GHz and a span of 40 MHz. The resolution bandwidth (RBW) is 390 kHz, and the video bandwidth (VBW) is 1.2 MHz. The plot shows a signal with a peak level of approximately -26 dB. The occupied bandwidth is measured as 17.8957 MHz, which is 99.00% of the total bandwidth. The XdB down is 26 dB. The signal track is turned on.

Occupied Bandwidth		Occ BW % Pwr	99.00 %
17.8957 MHz		x dB	-26.00 dB
Transmit Freq Error		-33.945 kHz	
x dB Bandwidth		19.578 MHz	

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14.24. LTE Occupied Bandwidth(NTNV)(Subtest:24, Channel:21350, 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
2560	99	26	0.39	Peak	17.886	19.461	20	Pass

Agilent
Freq/Channel

Ch Freq 2.56 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm #Atten 30 dB

Center 2.560 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 %
 17.8860 MHz x dB -26.00 dB

Transmit Freq Error -21.221 kHz
 x dB Bandwidth 19.461 MHz

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Center Freq 2.56000000 GHz

Start Freq 2.54000000 GHz

Stop Freq 2.58000000 GHz

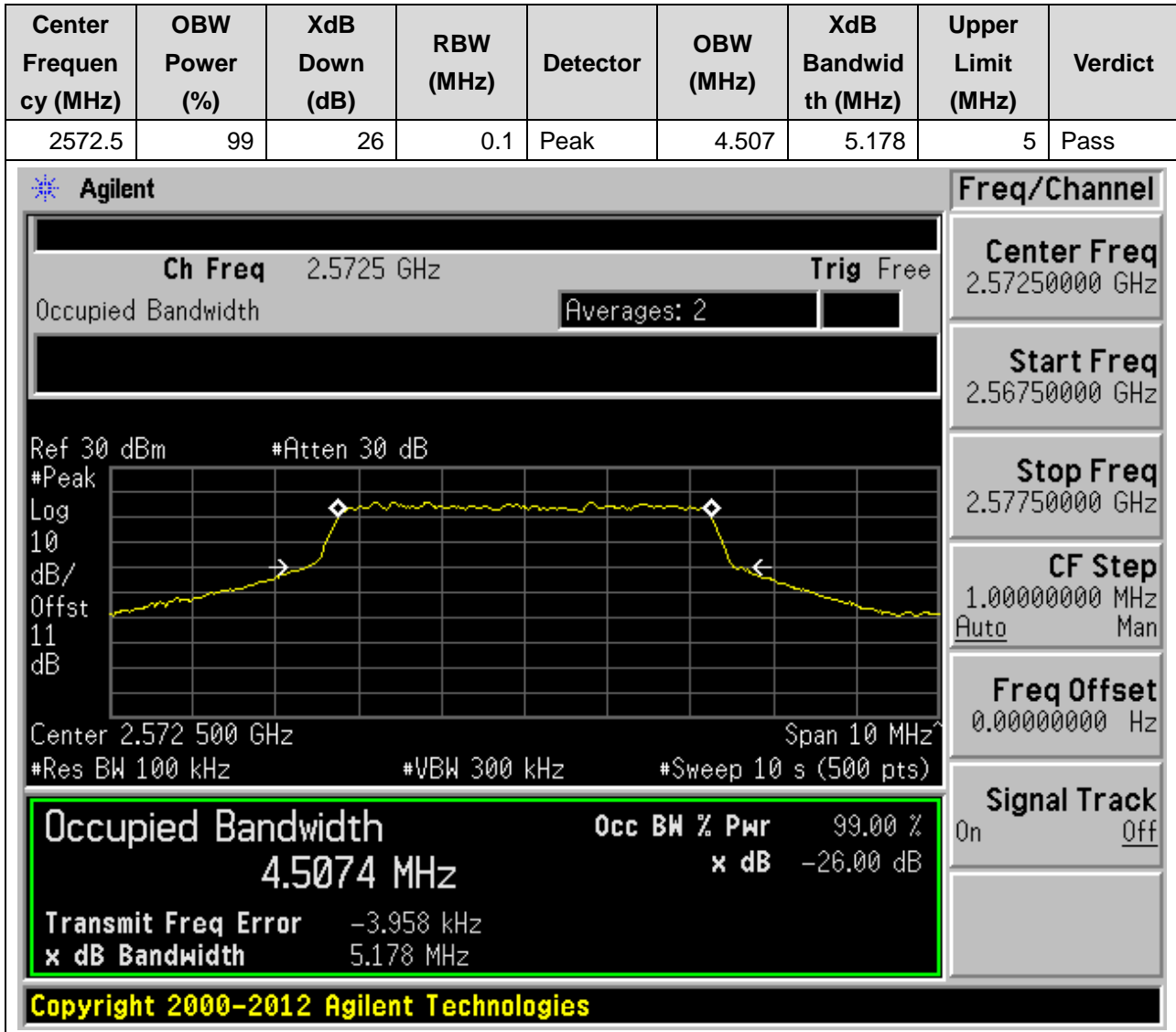
CF Step 4.00000000 MHz
Auto Man

Freq Offset 0.00000000 Hz

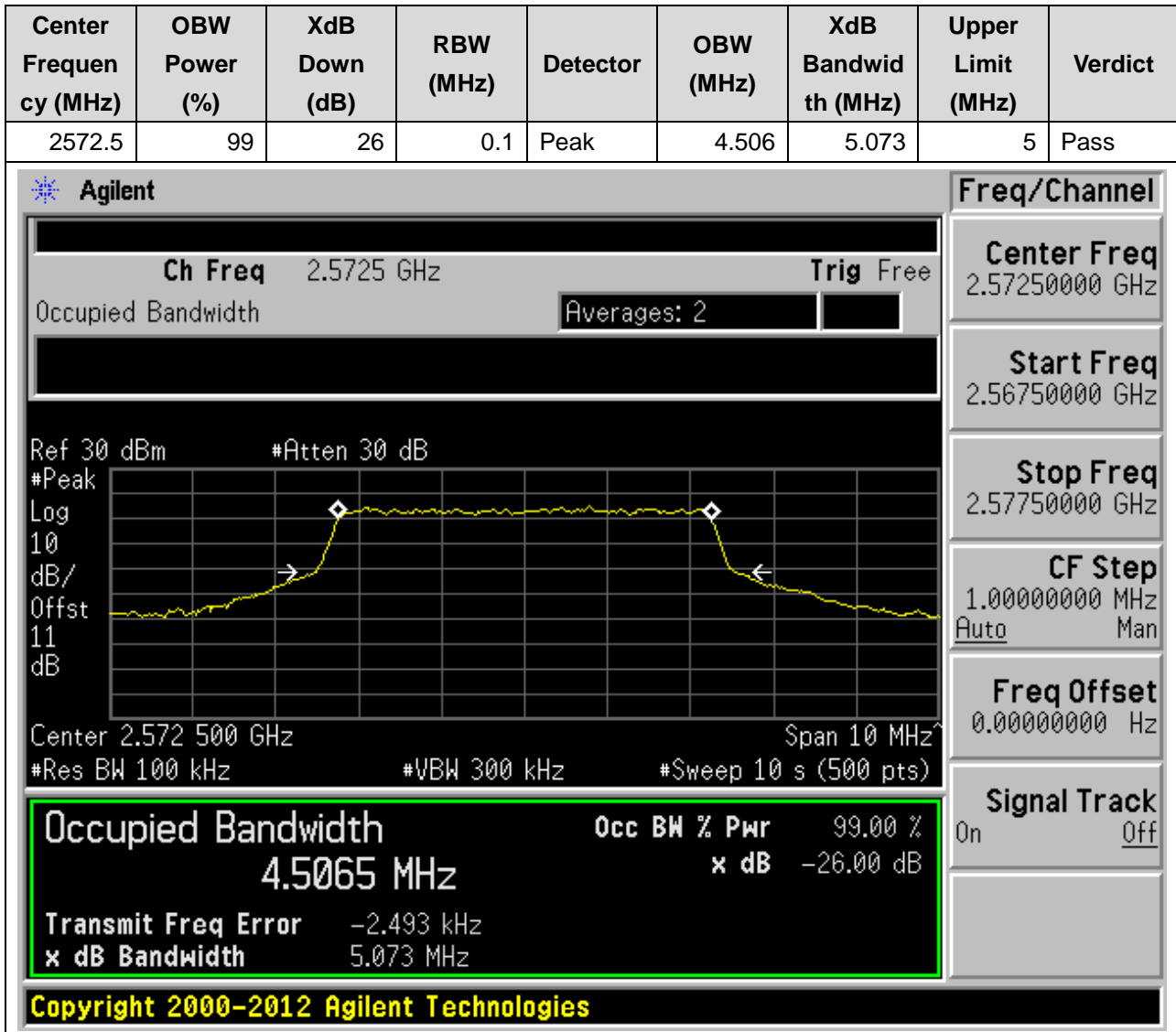
Signal Track On Off

15. LTE_Band38

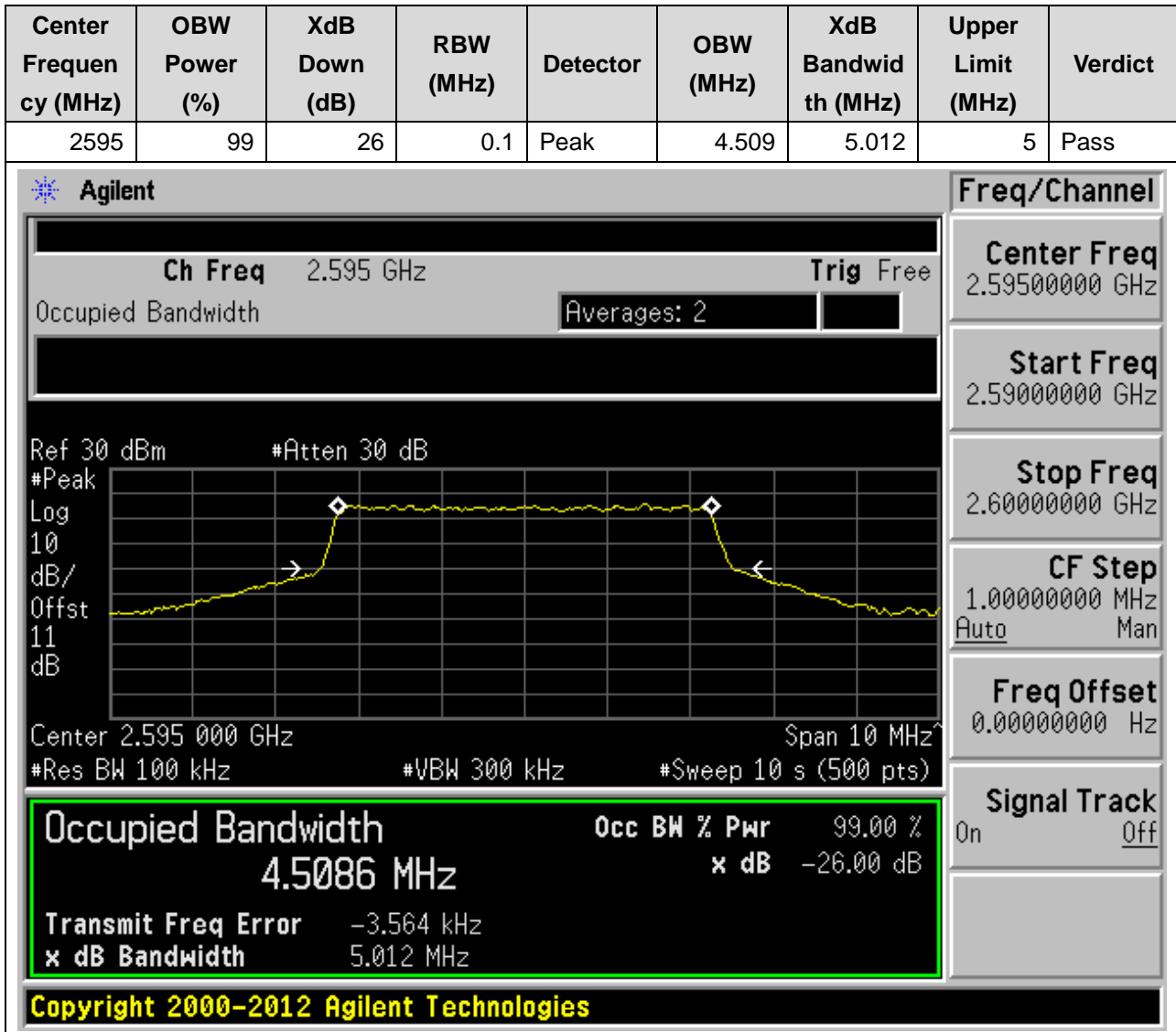
15.1. LTE Occupied Bandwidth(NTNV)(Subtest:1, Channel:37775, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)



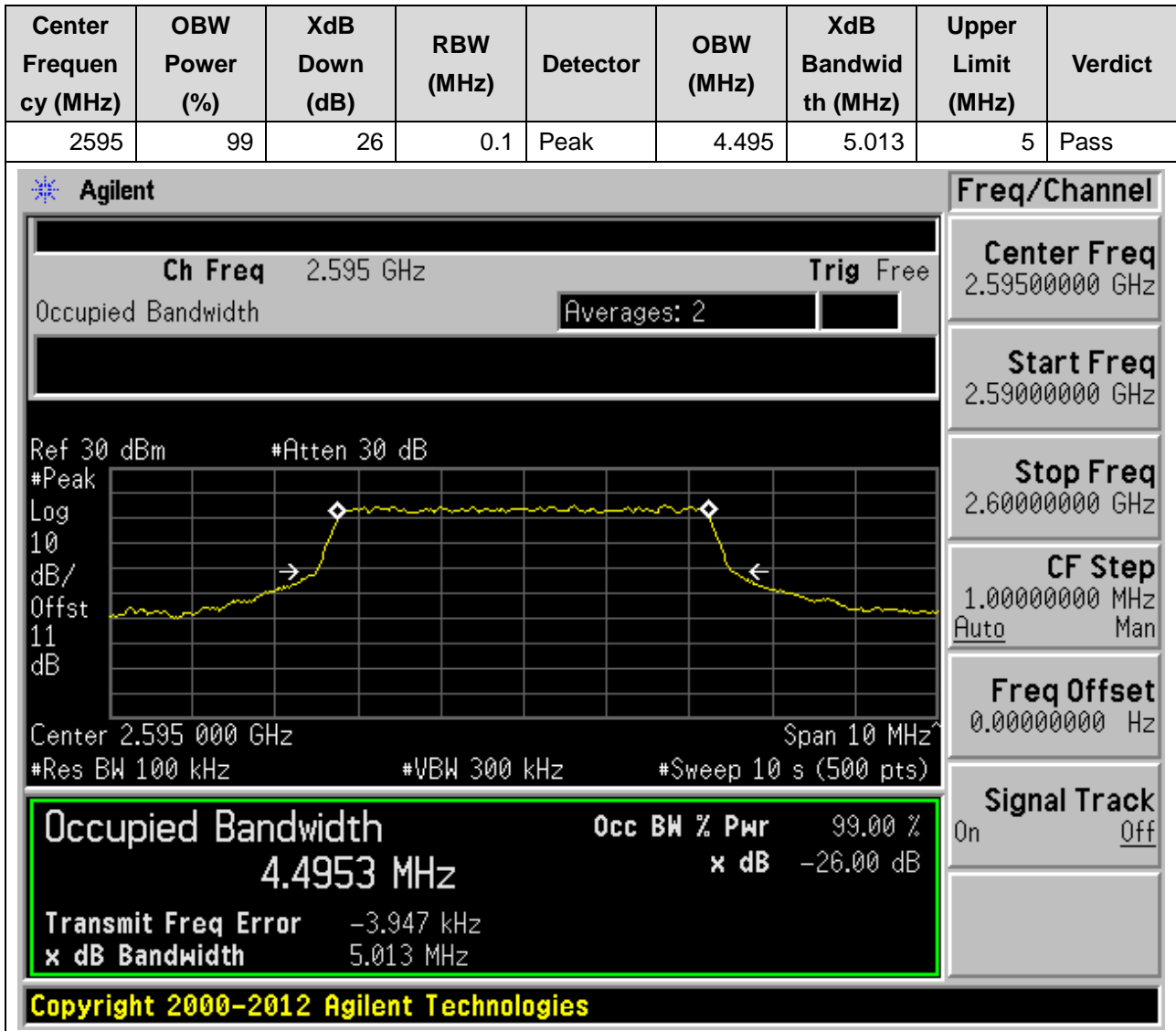
15.2. LTE Occupied Bandwidth(NTNV)(Subtest:2, Channel:37775, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)



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



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



15.5. LTE Occupied Bandwidth(NTNV)(Subtest:5, Channel:38225, 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
2617.5	99	26	0.1	Peak	4.5	5.269	5	Pass

Agilent Freq/Channel

Ch Freq 2.6175 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.9 dB

Center 2.617 500 GHz Span 10 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

4.5001 MHz x dB -26.00 dB

Transmit Freq Error -210.606 Hz

x dB Bandwidth 5.269 MHz

Signal Track On Off

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15.6. LTE Occupied Bandwidth(NTNV)(Subtest:6, Channel:38225, 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
2617.5	99	26	0.1	Peak	4.504	5.025	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.6175 GHz. The occupied bandwidth is 4.5036 MHz, which is 99.00% of the 5.025 MHz channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -2.225 kHz. The interface also shows various settings like Res BW (100 kHz), VBW (300 kHz), and Sweep (10 s).

Occupied Bandwidth		Occ BW % Pwr
4.5036 MHz	99.00 %	
Transmit Freq Error		-2.225 kHz
x dB Bandwidth		5.025 MHz
		x dB -26.00 dB

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15.7. LTE Occupied Bandwidth(NTNV)(Subtest:7, Channel:37800, 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
2575	99	26	0.2	Peak	8.993	9.956	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.575 GHz. The occupied bandwidth is 8.9931 MHz, which is 99.00% of the 9.956 MHz bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -13.027 kHz. The interface also shows various settings like Res BW (200 kHz), VBW (620 kHz), and Sweep (10 s).

Occupied Bandwidth		Occ BW % Pwr
8.9931 MHz	99.00 %	
Transmit Freq Error		-13.027 kHz
x dB Bandwidth		9.956 MHz

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15.8. LTE Occupied Bandwidth(NTNV)(Subtest:8, Channel:37800, 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
2575	99	26	0.2	Peak	8.974	10.193	10	Pass

Agilent

Ch Freq 2.575 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.1 dB

Center 2.575 00 GHz Span 20 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %
8.9738 MHz x dB -26.00 dB

Transmit Freq Error -9.136 kHz
x dB Bandwidth 10.193 MHz

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Freq/Channel

Center Freq 2.57500000 GHz

Start Freq 2.56500000 GHz

Stop Freq 2.58500000 GHz

CF Step 2.00000000 MHz
Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

15.9. LTE Occupied Bandwidth(NTNV)(Subtest:9, Channel:38000, 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
2595	99	26	0.2	Peak	8.982	9.999	10	Pass

Agilent
Freq/Channel

Ch Freq 2.595 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak

Log

10

dB/

Offst

11

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 %

8.9823 MHz

x dB -26.00 dB

Transmit Freq Error 11.607 kHz

x dB Bandwidth 9.999 MHz

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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

15.10. 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	9.863	10	Pass

Agilent
Freq/Channel

Ch Freq 2.595 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak

Log

10

dB/

Offst

11

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 %
8.9824 MHz	x dB	-26.00 dB
Transmit Freq Error	9.406 kHz	
x dB Bandwidth	9.863 MHz	

Signal Track

On Off

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15.11. 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	8.978	10.009	10	Pass

Agilent
Freq/Channel

Ch Freq 2.615 GHz **Trig** Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.9 dB

Center 2.615 00 GHz Span 20 MHz

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

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

Occupied Bandwidth

8.9784 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -8.472 kHz

x dB Bandwidth 10.009 MHz

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15.12. 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	8.937	9.865	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.615 GHz. The occupied bandwidth is 8.9366 MHz, which is 99.00% of the 9.865 MHz bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -3.848 kHz. The RBW is 0.2 MHz. The detector is set to Peak. The upper limit is 10 MHz. The verdict is Pass.

Occupied Bandwidth		Occ BW % Pwr
8.9366 MHz	99.00 %	
Transmit Freq Error		-3.848 kHz
x dB Bandwidth		9.865 MHz

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15.13. 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	13.436	15.178	15	Pass

Agilent

Ch Freq 2.5775 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.1 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 %

13.4357 MHz x dB -26.00 dB

Transmit Freq Error -9.238 kHz

x dB Bandwidth 15.178 MHz

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Freq/Channel

Center Freq 2.57750000 GHz

Start Freq 2.56250000 GHz

Stop Freq 2.59250000 GHz

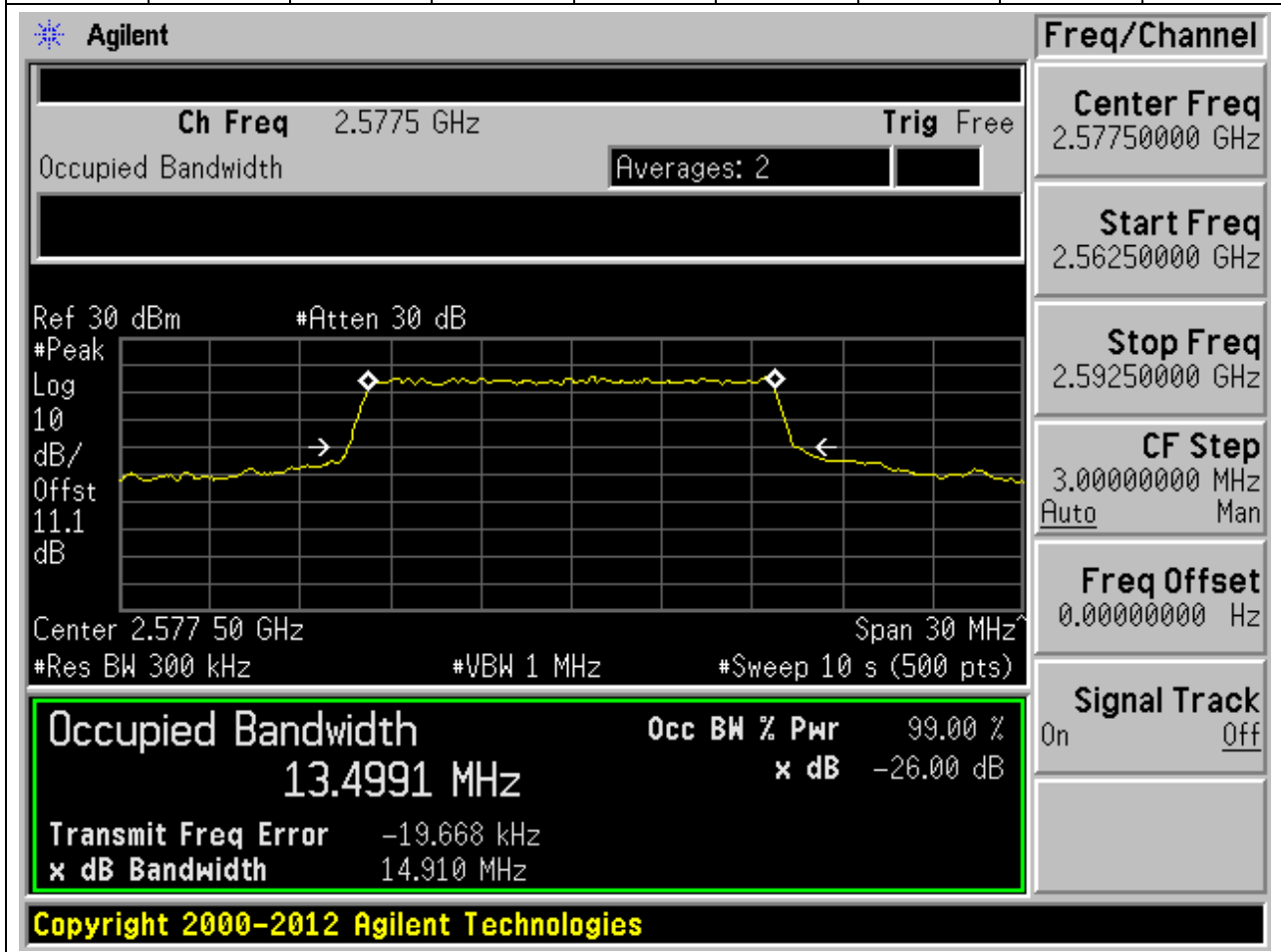
CF Step 3.00000000 MHz Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

15.14. 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	13.499	14.91	15	Pass



15.15. LTE Occupied Bandwidth(NTNV)(Subtest:15, Channel:38000, 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
2595	99	26	0.3	Peak	13.495	14.933	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 2.595 GHz. The occupied bandwidth is 13.496 MHz, which is 99.00% of the 14.933 MHz bandwidth. The XdB down is -26.00 dB. The plot shows a flat top with some noise, and the bandwidth is defined by two diamond markers on the trace. The interface includes various control panels for frequency, power, and bandwidth, as well as a status bar at the bottom.

Occupied Bandwidth		Occ BW % Pwr
13.496 MHz	99.00 %	
Transmit Freq Error		11.460 kHz
x dB Bandwidth		14.933 MHz

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15.16. LTE Occupied Bandwidth(NTNV)(Subtest:16, Channel:38000, 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
2595	99	26	0.3	Peak	13.473	15.008	15	Pass

Agilent
Freq/Channel

Ch Freq 2.595 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 2.595 00 GHz Span 30 MHz

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

Center Freq
2.59500000 GHz

Start Freq
2.58000000 GHz

Stop Freq
2.61000000 GHz

CF Step
3.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

13.4725 MHz x dB -26.00 dB

Transmit Freq Error -8.467 kHz

x dB Bandwidth 15.008 MHz

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15.17. LTE Occupied Bandwidth(NTNV)(Subtest:17, Channel:38175, 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
2612.5	99	26	0.3	Peak	13.427	14.768	15	Pass

Agilent
Freq/Channel

Ch Freq 2.6125 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 2.612 50 GHz Span 30 MHz

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

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 %

13.4267 MHz x dB -26.00 dB

Transmit Freq Error -2.010 kHz

x dB Bandwidth 14.768 MHz

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15.18. 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	13.514	15.087	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 2.6125 GHz and a span of 30 MHz. The vertical axis is labeled 'dB/Offst' and the horizontal axis is labeled 'MHz'. The plot shows a signal with a peak at approximately 2.6125 GHz. The 'Occupied Bandwidth' is highlighted in a green box, showing a value of 13.5142 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is 21.903 kHz and the 'x dB Bandwidth' is 15.087 MHz. The 'Copyright 2000-2012 Agilent Technologies' is displayed at the bottom.

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 13.5142 MHz

Occ BW % Pwr 99.00 %
x dB -26.00 dB

Transmit Freq Error 21.903 kHz
x dB Bandwidth 15.087 MHz

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15.19. LTE Occupied Bandwidth(NTNV)(Subtest:19, Channel:37850, 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
2580	99	26	0.39	Peak	17.961	20.169	20	Pass

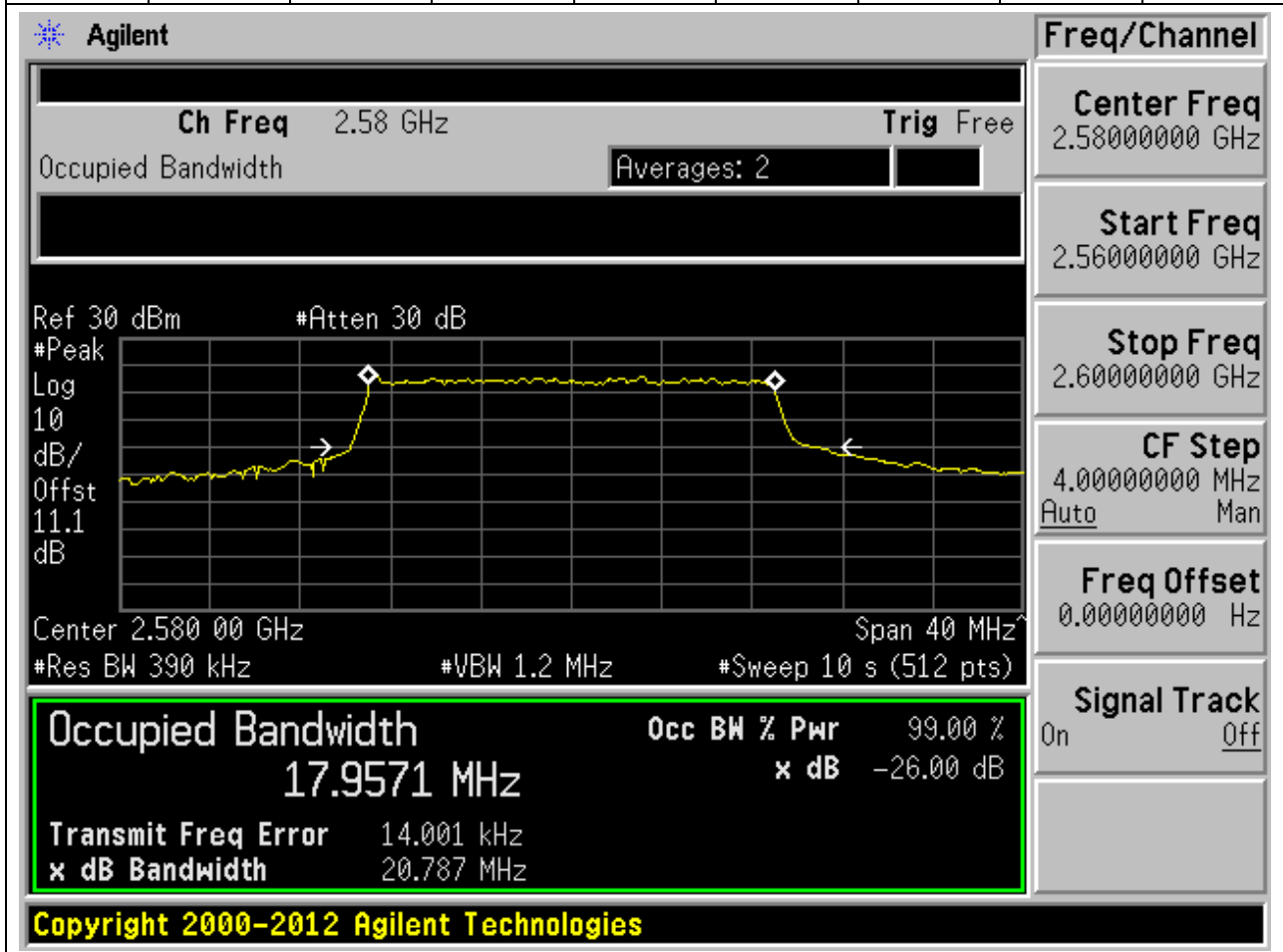
The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.58 GHz. The occupied bandwidth is 17.9605 MHz, which is 99.00% of the 20 MHz channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -4.804 kHz. The RBW is 0.39 MHz. The detector is set to Peak. The upper limit is 20 MHz. The signal track is turned off.

Occupied Bandwidth		Occ BW % Pwr
17.9605 MHz	99.00 %	
Transmit Freq Error		-4.804 kHz
x dB Bandwidth		20.169 MHz

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15.20. 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	17.957	20.787	20	Pass



15.21. 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	18.001	20.258	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.595 GHz, and the span is 40 MHz. The occupied bandwidth is highlighted in a green box, showing 18.0008 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -2.121 kHz, and the XdB bandwidth is 20.258 MHz. The interface also shows various settings like Res BW (390 kHz), VBW (1.2 MHz), and Sweep (10 s).

Occupied Bandwidth		Occ BW % Pwr	99.00 %
18.0008 MHz		x dB	-26.00 dB
Transmit Freq Error		-2.121 kHz	
x dB Bandwidth		20.258 MHz	

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15.22. 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	17.942	19.846	20	Pass

Agilent
Freq/Channel

Ch Freq 2.595 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
11

dB

Center 2.595 00 GHz
Span 40 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
17.9420 MHz	x dB	-26.00 dB
Transmit Freq Error		-3.454 kHz
x dB Bandwidth		19.846 MHz

Signal Track
On Off

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15.23. 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	17.919	19.701	20	Pass

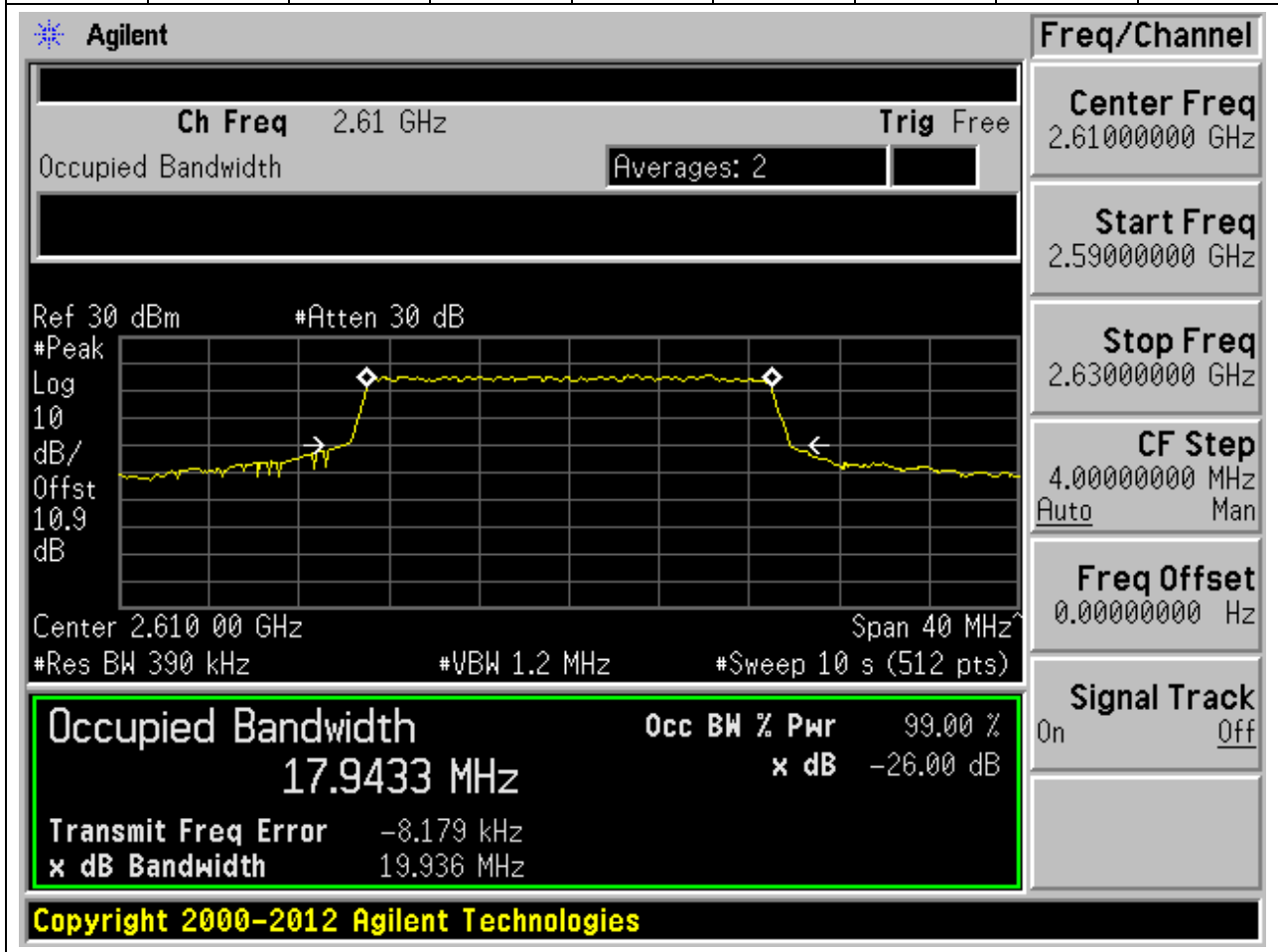
The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.61 GHz. The occupied bandwidth is highlighted in a green box, showing 17.9193 MHz. The power is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is 5.161 kHz and the XdB bandwidth is 19.701 MHz. The interface also shows various settings like Res BW, VBW, and Sweep time.

Occupied Bandwidth		Occ BW % Pwr	99.00 %
17.9193 MHz		x dB	-26.00 dB
Transmit Freq Error	5.161 kHz		
x dB Bandwidth	19.701 MHz		

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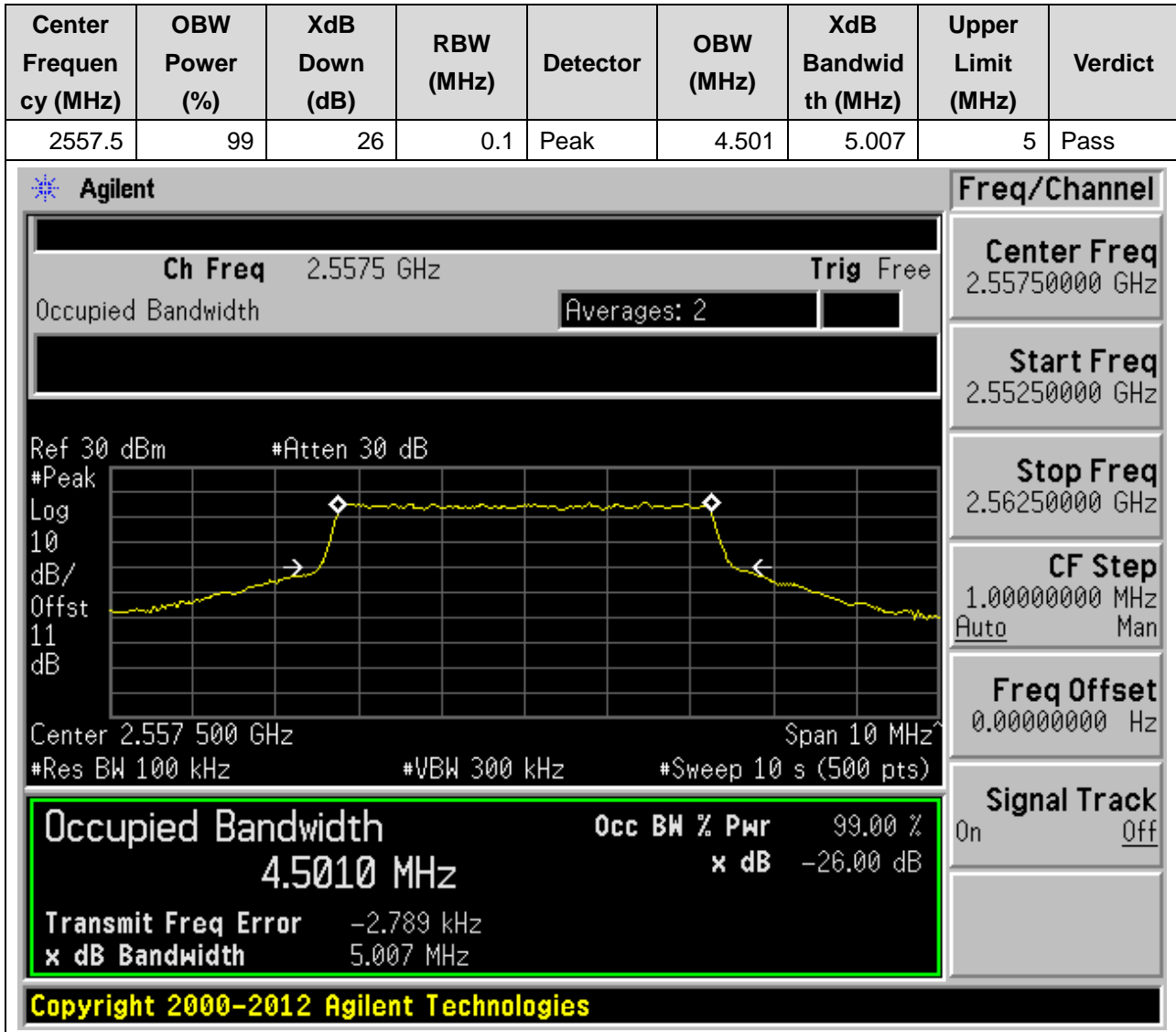
15.24. LTE Occupied Bandwidth(NTNV)(Subtest:24, Channel:38150, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)

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	17.943	19.936	20	Pass

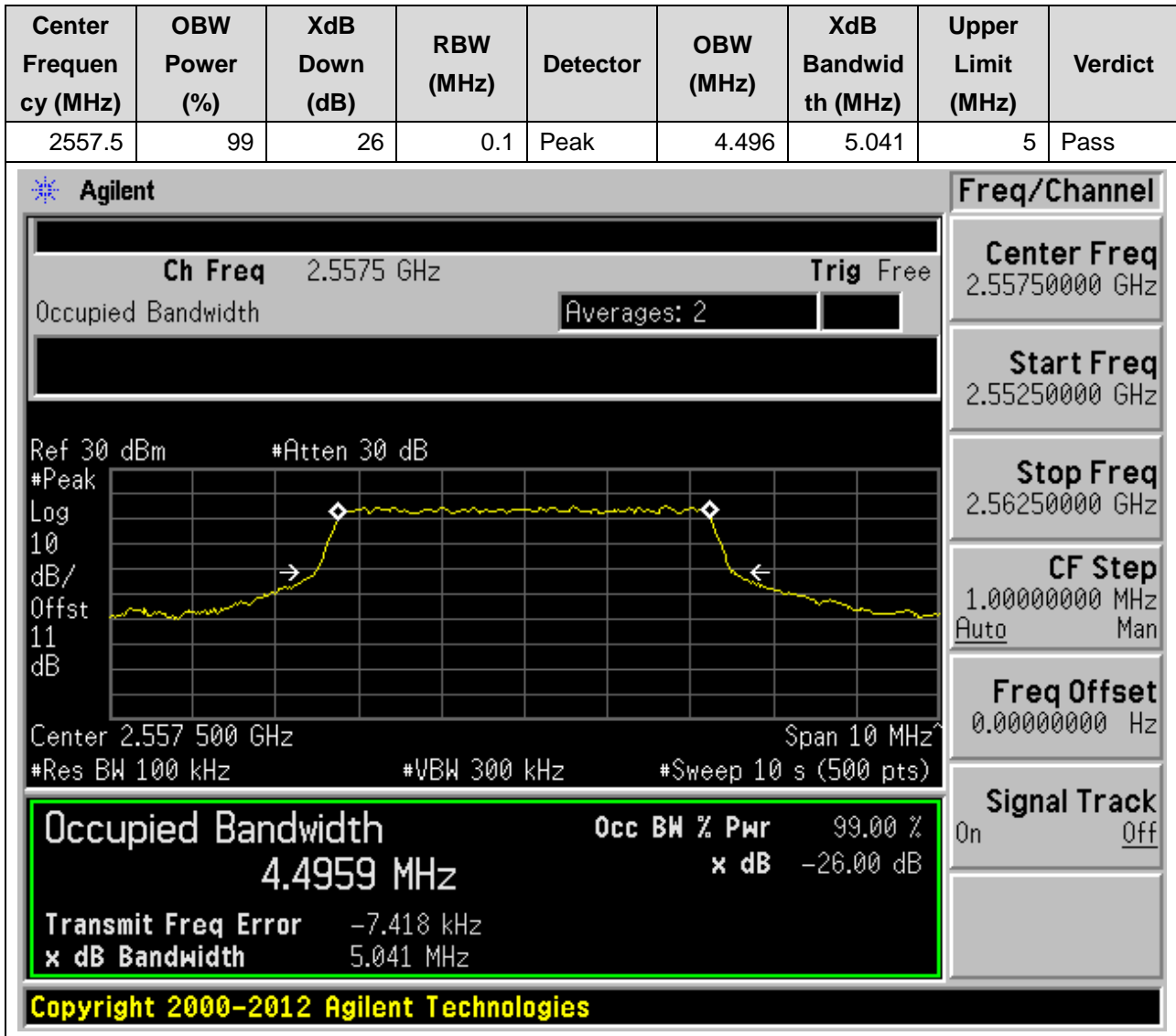


16. LTE_Band41 100M

16.1. LTE Occupied Bandwidth(NTNV)(Subtest:1, Channel:40265, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)



16.2. LTE Occupied Bandwidth(NTNV)(Subtest:2, Channel:40265, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)



16.3. LTE Occupied Bandwidth(NTNV)(Subtest:3, Channel:40740, 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
2605	99	26	0.1	Peak	4.503	5.276	5	Pass

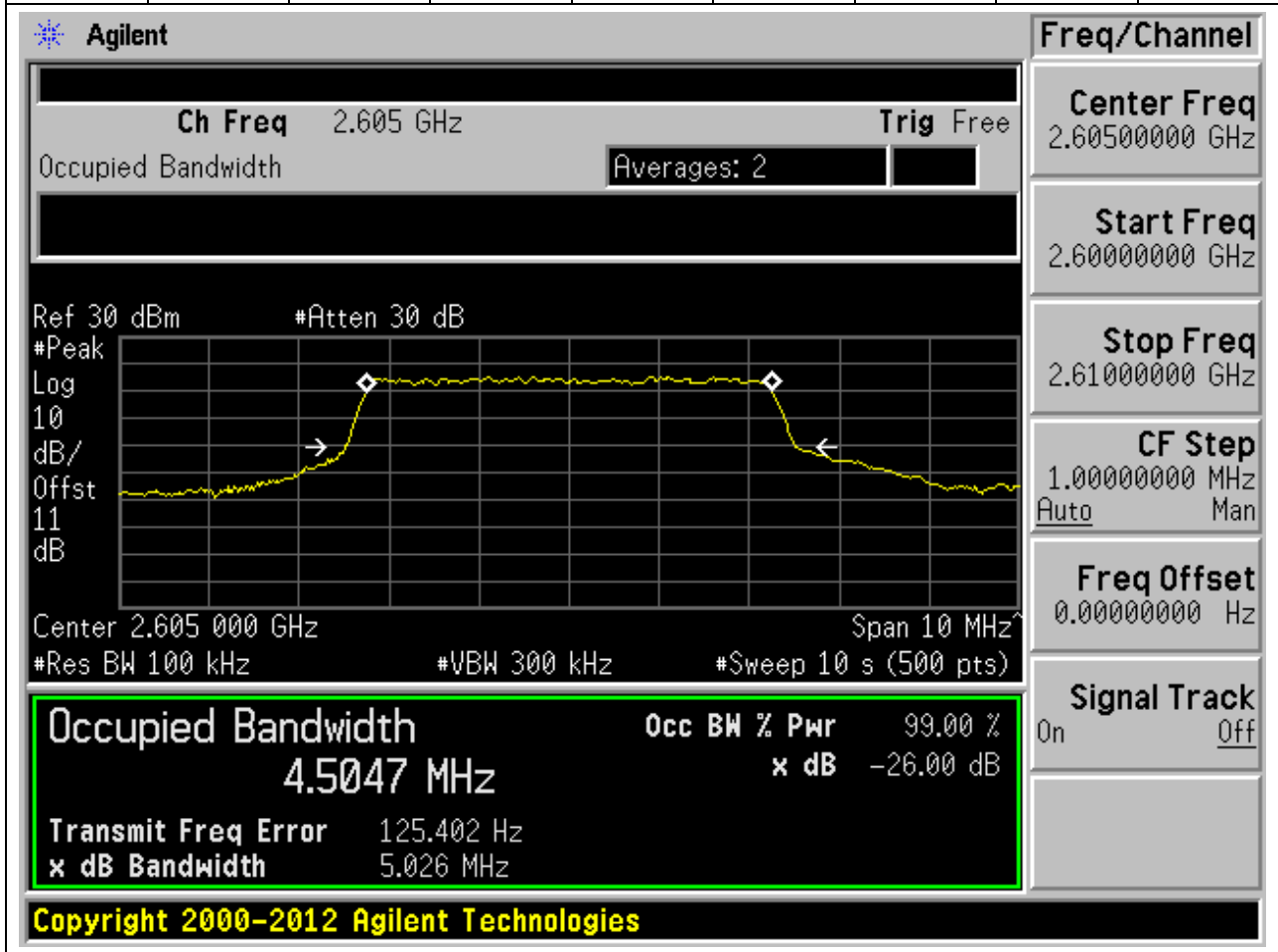
The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.605 GHz. The occupied bandwidth is 4.5028 MHz, which is 99.00% of the power. The XdB down is -26.00 dB. The transmit frequency error is -2.286 kHz, and the XdB bandwidth is 5.276 MHz. The interface also shows various settings like Res BW, VBW, and Sweep.

Occupied Bandwidth		Occ BW % Pwr	99.00 %
4.5028 MHz		x dB	-26.00 dB
Transmit Freq Error		-2.286 kHz	
x dB Bandwidth		5.276 MHz	

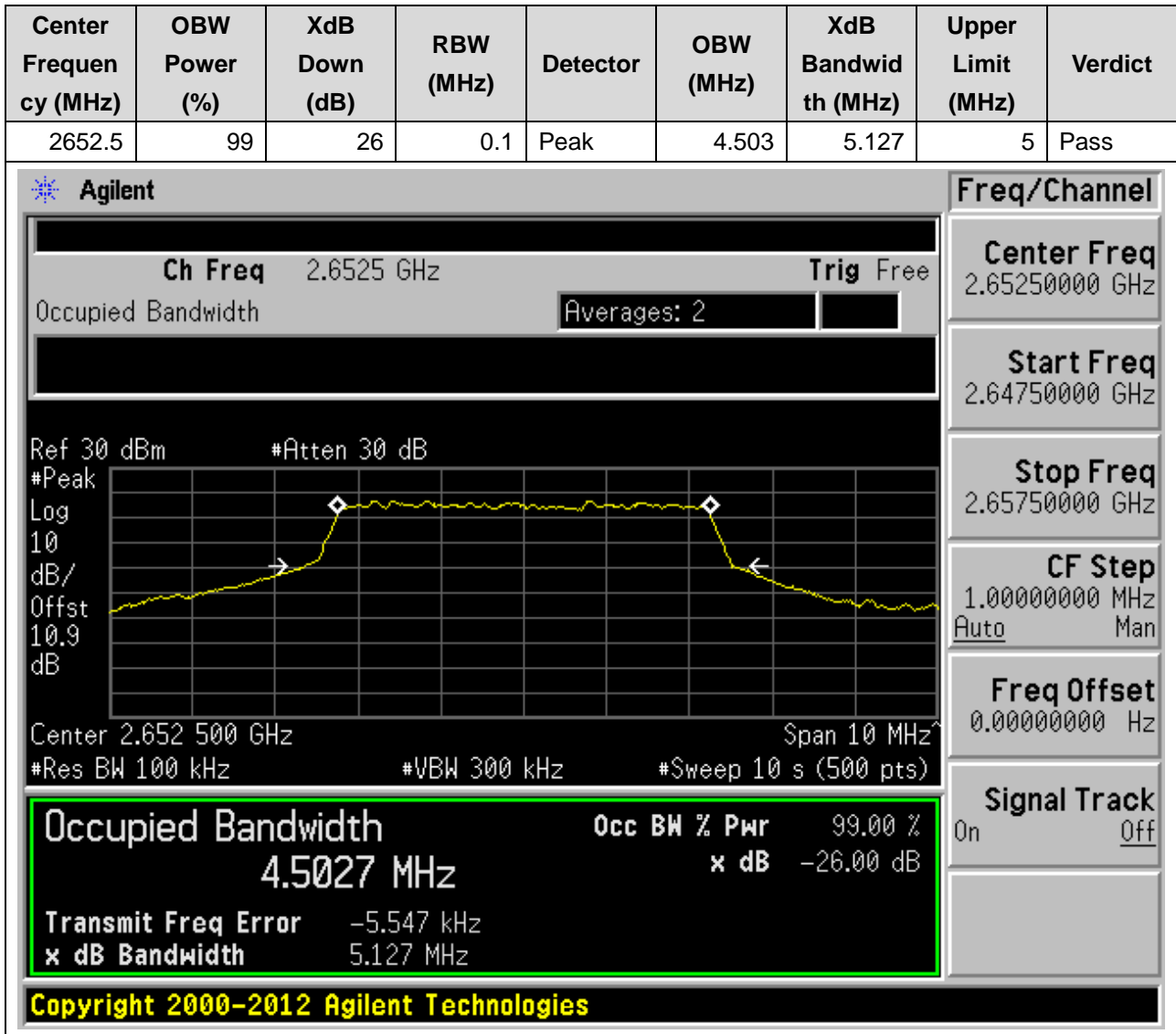
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16.4. LTE Occupied Bandwidth(NTNV)(Subtest:4, Channel:40740, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2605	99	26	0.1	Peak	4.505	5.026	5	Pass



16.5. LTE Occupied Bandwidth(NTNV)(Subtest:5, Channel:41215, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)



16.6. LTE Occupied Bandwidth(NTNV)(Subtest:6, Channel:41215, 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
2652.5	99	26	0.1	Peak	4.507	5.092	5	Pass

Agilent
Freq/Channel

Ch Freq 2.6525 GHz **Trig** Free

Occupied Bandwidth Averages: 2

Center Freq
2.65250000 GHz

Start Freq
2.64750000 GHz

Stop Freq
2.65750000 GHz

CF Step
1.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Ref 30 dBm #Atten 30 dB

Center 2.652 500 GHz Span 10 MHz

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

Occupied Bandwidth
4.5069 MHz

Transmit Freq Error -6.644 kHz

x dB Bandwidth 5.092 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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16.7. LTE Occupied Bandwidth(NTNV)(Subtest:7, Channel:40290, 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
2560	99	26	0.2	Peak	8.975	9.981	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.56 GHz. The occupied bandwidth is 8.975 MHz, and the power is 99.00%. The XdB down is -26.00 dB. The RBW is 0.2 MHz. The detector is set to Peak. The upper limit is 10 MHz. The verdict is Pass.

Occupied Bandwidth 8.9755 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error 6.280 kHz

x dB Bandwidth 9.981 MHz

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16.8. LTE Occupied Bandwidth(NTNV)(Subtest:8, Channel:40290, 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
2560	99	26	0.2	Peak	8.98	9.842	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The plot is set to a center frequency of 2.56 GHz and a span of 20 MHz. The vertical axis is labeled 'dB' and the horizontal axis is labeled 'MHz'. The plot shows a signal with a peak at 2.56 GHz. The 'Occupied Bandwidth' is measured as 8.9796 MHz, which is 99.00% of the power. The 'X dB' is -26.00 dB. The 'Transmit Freq Error' is 4.258 kHz and the 'x dB Bandwidth' is 9.842 MHz. The 'Copyright 2000-2012 Agilent Technologies' is displayed at the bottom.

Occupied Bandwidth		Occ BW % Pwr	99.00 %
8.9796 MHz		x dB	-26.00 dB
Transmit Freq Error	4.258 kHz		
x dB Bandwidth	9.842 MHz		

16.9. LTE Occupied Bandwidth(NTNV)(Subtest:9, Channel:40740, 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
2605	99	26	0.2	Peak	8.963	10.056	10	Pass

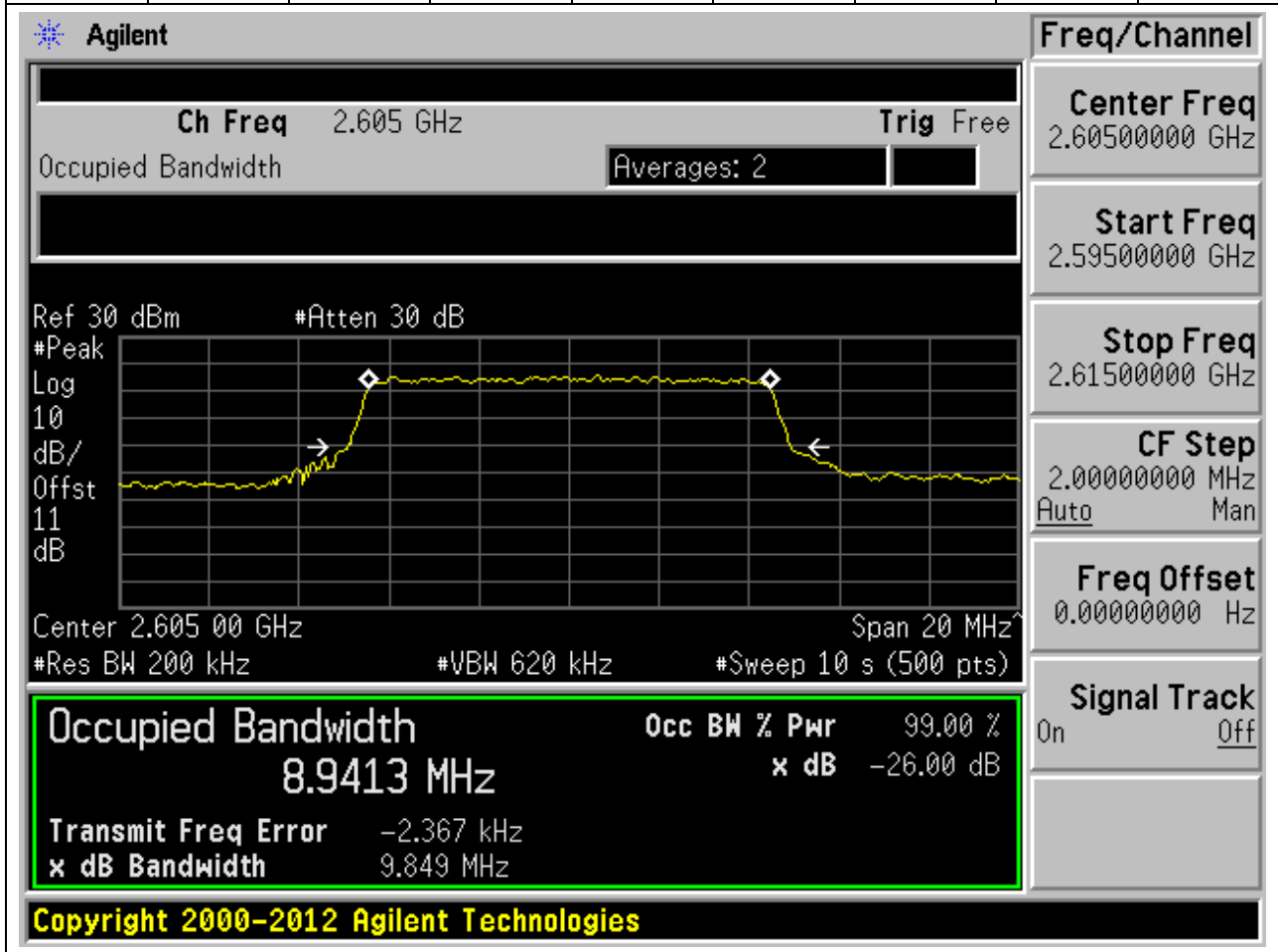
The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.605 GHz, and the span is 20 MHz. The occupied bandwidth is measured as 8.9625 MHz, which is 99.00% of the power. The XdB down is -26.00 dB. The transmit frequency error is -6.563 kHz, and the XdB bandwidth is 10.056 MHz. The interface also shows various settings like Res BW (200 kHz), VBW (620 kHz), and Sweep (10 s).

Occupied Bandwidth		Occ BW % Pwr	99.00 %
8.9625 MHz		x dB	-26.00 dB
Transmit Freq Error	-6.563 kHz		
x dB Bandwidth	10.056 MHz		

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16.10. LTE Occupied Bandwidth(NTNV)(Subtest:10, Channel:40740, 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
2605	99	26	0.2	Peak	8.941	9.849	10	Pass



16.11. LTE Occupied Bandwidth(NTNV)(Subtest:11, Channel:41190, 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
2650	99	26	0.2	Peak	8.994	9.902	10	Pass

Agilent

Ch Freq 2.65 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.9 dB

Center 2.650 00 GHz Span 20 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %
8.9935 MHz x dB -26.00 dB

Transmit Freq Error -18.696 kHz
 x dB Bandwidth 9.902 MHz

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Freq/Channel

Center Freq 2.65000000 GHz

Start Freq 2.64000000 GHz

Stop Freq 2.66000000 GHz

CF Step 2.00000000 MHz
 Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

16.12. LTE Occupied Bandwidth(NTNV)(Subtest:12, Channel:41190, 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
2650	99	26	0.2	Peak	8.977	10.121	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The plot is set to a center frequency of 2.650 GHz and a span of 20 MHz. The y-axis is labeled 'dB/Offst' and the x-axis is labeled 'MHz'. The plot shows a signal with a peak at approximately 2.650 GHz. The 'Occupied Bandwidth' is highlighted in a green box, showing a value of 8.9767 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is -17.384 kHz and the 'x dB Bandwidth' is 10.121 MHz. The 'Copyright 2000-2012 Agilent Technologies' is displayed at the bottom.

Occupied Bandwidth		Occ BW % Pwr	99.00 %
8.9767 MHz		x dB	-26.00 dB
Transmit Freq Error		-17.384 kHz	
x dB Bandwidth		10.121 MHz	

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16.13. LTE Occupied Bandwidth(NTNV)(Subtest:13, Channel:40315, 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	13.495	15.116	15	Pass

Agilent

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

Ch Freq 2.5625 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11 dB

Center 2.562 50 GHz Span 30 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

13.4955 MHz x dB -26.00 dB

Transmit Freq Error -668.642 Hz

x dB Bandwidth 15.116 MHz

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16.14. LTE Occupied Bandwidth(NTNV)(Subtest:14, Channel:40315, 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	13.477	15.135	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 dB

Center 2.562 50 GHz Span 30 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

13.4769 MHz x dB -26.00 dB

Transmit Freq Error -14.367 kHz

x dB Bandwidth 15.135 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

16.15. LTE Occupied Bandwidth(NTNV)(Subtest:15, Channel:40740, 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
2605	99	26	0.3	Peak	13.429	14.767	15	Pass

Agilent
Freq/Channel

Ch Freq 2.605 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm #Atten 30 dB

Center 2.605 00 GHz Span 30 MHz
 #Res BW 300 kHz #VBW 1 MHz #Sweep 10 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
13.4287 MHz	x dB	-26.00 dB
Transmit Freq Error	122.059 Hz	
x dB Bandwidth	14.767 MHz	

Signal Track	On <u>Off</u>
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16.16. LTE Occupied Bandwidth(NTNV)(Subtest:16, Channel:40740, 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
2605	99	26	0.3	Peak	13.51	15.09	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 2.605 GHz. The occupied bandwidth is 13.5104 MHz, which is 99.00% of the 15.090 MHz bandwidth. The XdB down is -26.00 dB. The transmit frequency error is 24.024 kHz. The interface also shows various settings like Res BW (300 kHz), VBW (1 MHz), and Sweep (10 s).

Occupied Bandwidth		Occ BW % Pwr	99.00 %
13.5104 MHz		x dB	-26.00 dB
Transmit Freq Error	24.024 kHz		
x dB Bandwidth	15.090 MHz		

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16.17. LTE Occupied Bandwidth(NTNV)(Subtest:17, Channel:41165, 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
2647.5	99	26	0.3	Peak	13.421	15.118	15	Pass

Agilent

Ch Freq 2.6475 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.9 dB

Center 2.647 50 GHz Span 30 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

13.4207 MHz x dB -26.00 dB

Transmit Freq Error -24.293 kHz

x dB Bandwidth 15.118 MHz

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Freq/Channel

Center Freq 2.64750000 GHz

Start Freq 2.63250000 GHz

Stop Freq 2.66250000 GHz

CF Step 3.00000000 MHz Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

16.18. LTE Occupied Bandwidth(NTNV)(Subtest:18, Channel:41165, 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
2647.5	99	26	0.3	Peak	13.494	14.935	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 2.6475 GHz and a span of 30 MHz. The resolution bandwidth (RBW) is 300 kHz, and the video bandwidth (VBW) is 1 MHz. The sweep time is 10 seconds with 500 points. The plot shows a signal with a peak level of approximately -26 dB. The occupied bandwidth is measured as 13.494 MHz, which is 99.00% of the power. The transmit frequency error is -30.454 kHz, and the x dB bandwidth is 14.935 MHz. The interface also shows various settings such as reference level (30 dBm), attenuation (30 dB), and signal tracking (off).

Occupied Bandwidth		Occ BW % Pwr	99.00 %
13.4940 MHz		x dB	-26.00 dB
Transmit Freq Error		-30.454 kHz	
x dB Bandwidth		14.935 MHz	

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16.19. LTE Occupied Bandwidth(NTNV)(Subtest:19, Channel:40340, 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
2565	99	26	0.39	Peak	17.992	20.156	20	Pass

Agilent

Freq/Channel
Center Freq
2.56500000 GHz
Start Freq
2.54500000 GHz
Stop Freq
2.58500000 GHz
CF Step
4.00000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off

Ch Freq 2.565 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11 dB

Center 2.565 00 GHz Span 40 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

17.9922 MHz x dB -26.00 dB

Transmit Freq Error -8.052 kHz

x dB Bandwidth 20.156 MHz

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16.20. LTE Occupied Bandwidth(NTNV)(Subtest:20, Channel:40340, 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
2565	99	26	0.39	Peak	17.937	19.722	20	Pass

Agilent
Freq/Channel

Ch Freq 2.565 GHz

Occupied Bandwidth Averages: 2

Trig Free

Ref 30 dBm #Atten 30 dB

Center 2.565 00 GHz Span 40 MHz

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

Center Freq 2.56500000 GHz

Start Freq 2.54500000 GHz

Stop Freq 2.58500000 GHz

CF Step 4.00000000 MHz
Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

Occupied Bandwidth 17.9369 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -10.051 kHz

x dB Bandwidth 19.722 MHz

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16.21. LTE Occupied Bandwidth(NTNV)(Subtest:21, Channel:40740, 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
2605	99	26	0.39	Peak	17.926	19.713	20	Pass

Agilent
Freq/Channel

Ch Freq 2.605 GHz

Occupied Bandwidth Averages: 2

Trig Free

Ref 30 dBm #Atten 30 dB

Center 2.605 00 GHz Span 40 MHz

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

Center Freq 2.60500000 GHz

Start Freq 2.58500000 GHz

Stop Freq 2.62500000 GHz

CF Step 4.00000000 MHz
Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

Occupied Bandwidth 17.9257 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error 11.802 kHz

x dB Bandwidth 19.713 MHz

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16.22. LTE Occupied Bandwidth(NTNV)(Subtest:22, Channel:40740, 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
2605	99	26	0.39	Peak	17.955	19.861	20	Pass

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Ch Freq 2.605 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11 dB

Center 2.605 00 GHz Span 40 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

17.9551 MHz x dB -26.00 dB

Transmit Freq Error -800.974 Hz

x dB Bandwidth 19.861 MHz

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Freq/Channel

Center Freq 2.60500000 GHz

Start Freq 2.58500000 GHz

Stop Freq 2.62500000 GHz

CF Step 4.00000000 MHz Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

16.23. LTE Occupied Bandwidth(NTNV)(Subtest:23, Channel:41140, 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
2645	99	26	0.39	Peak	17.97	20.312	20	Pass

Agilent

Ch Freq 2.645 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.9 dB

Center 2.645 00 GHz Span 40 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

17.9701 MHz x dB -26.00 dB

Transmit Freq Error -35.407 kHz

x dB Bandwidth 20.312 MHz

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Freq/Channel

Center Freq 2.64500000 GHz

Start Freq 2.62500000 GHz

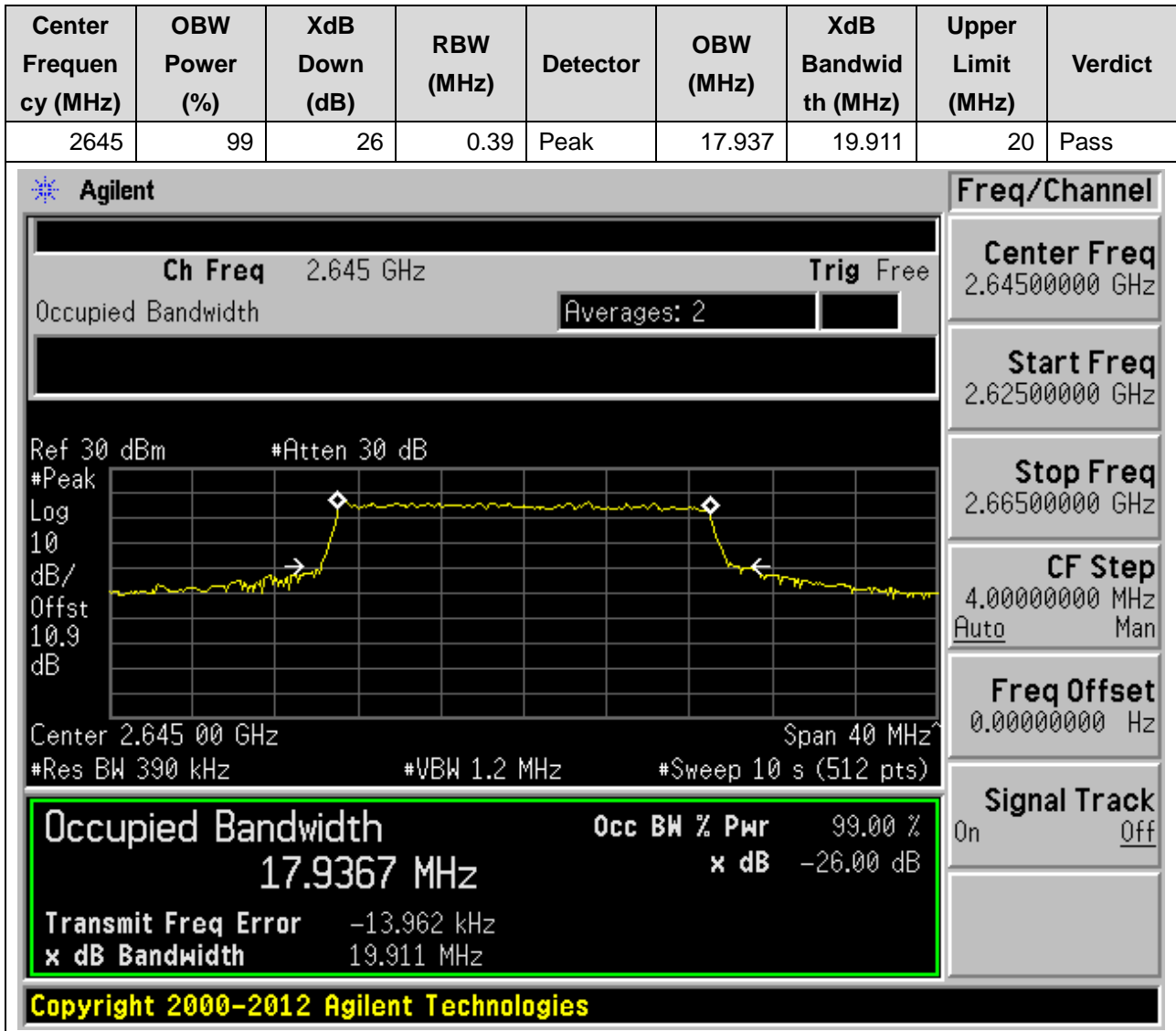
Stop Freq 2.66500000 GHz

CF Step 4.00000000 MHz Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

16.24. LTE Occupied Bandwidth(NTNV)(Subtest:24, Channel:41140, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)



END