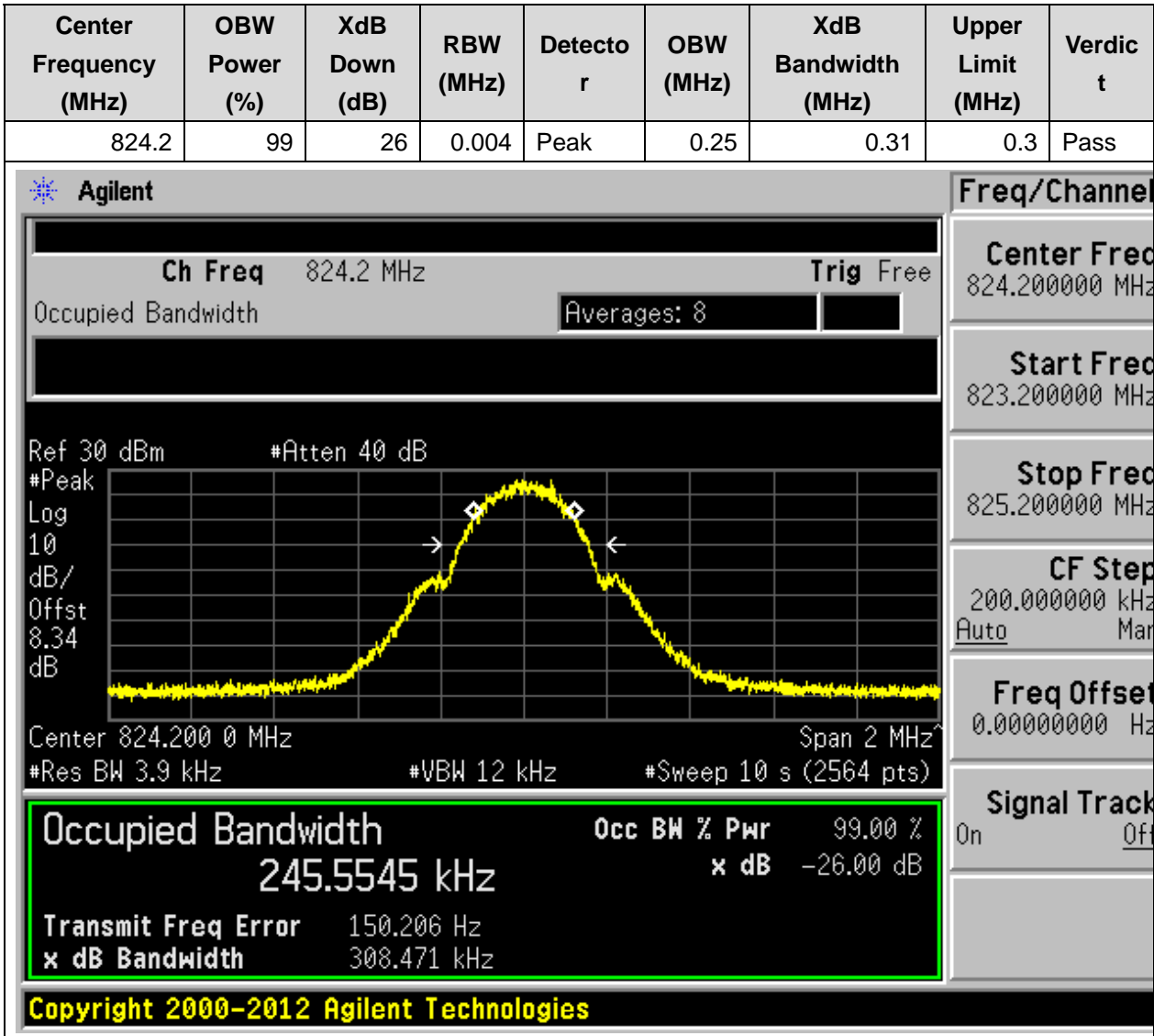

Annex A.3 Occupied Bandwidth

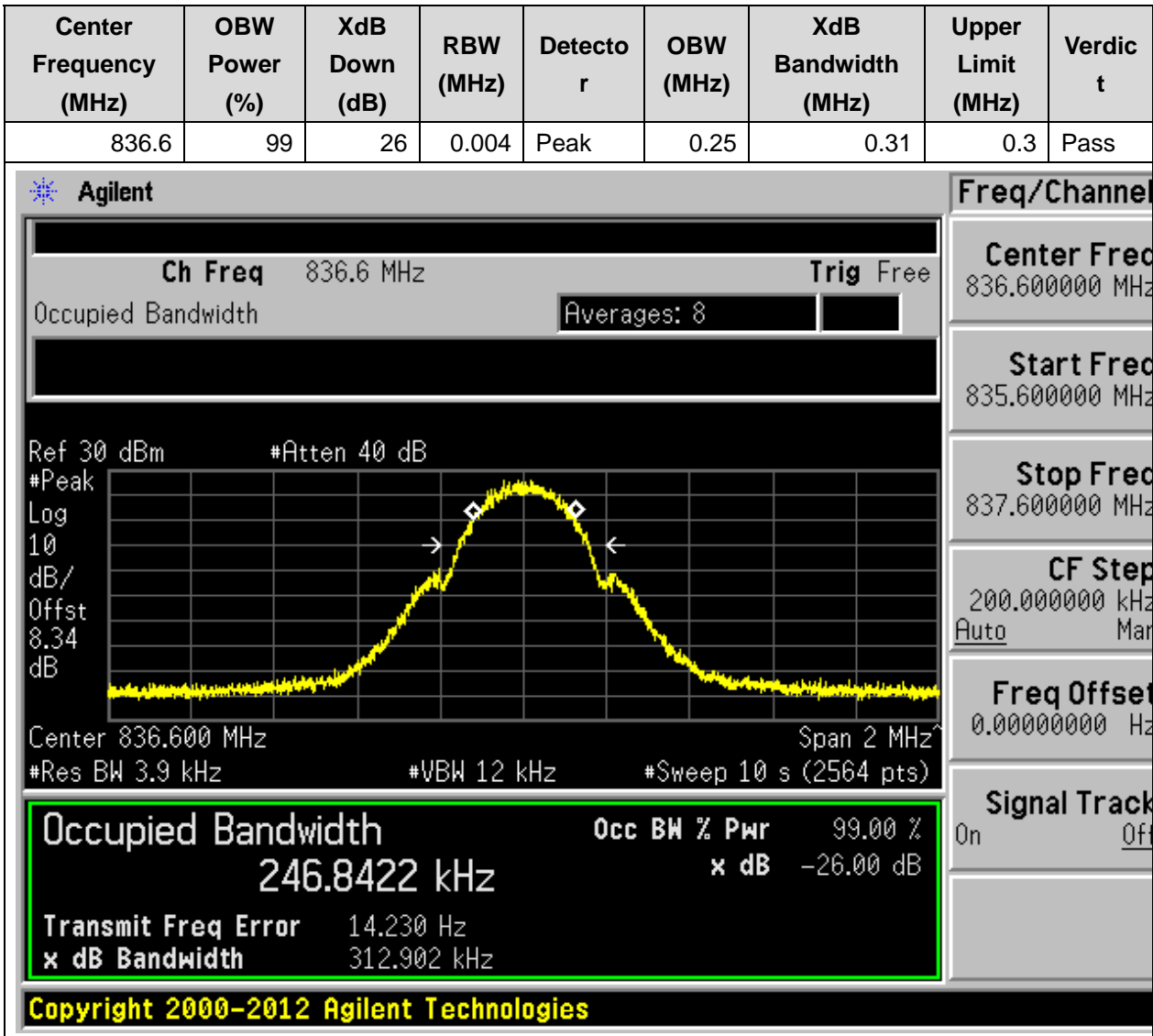
GSM

1. GSM_GSM850

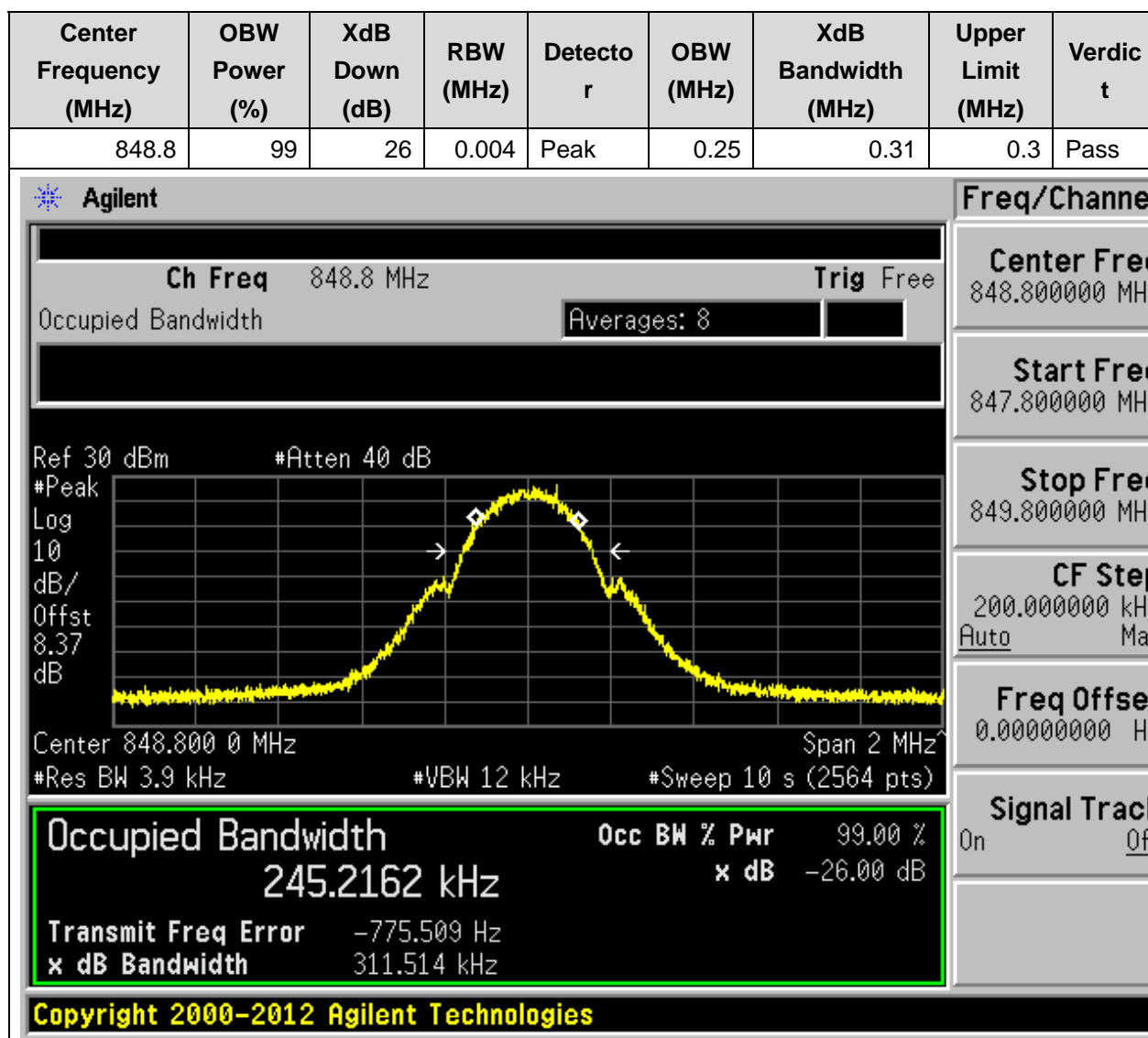
1.1. GSM Occupied Bandwidth(NTNV)(Channel:128)



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

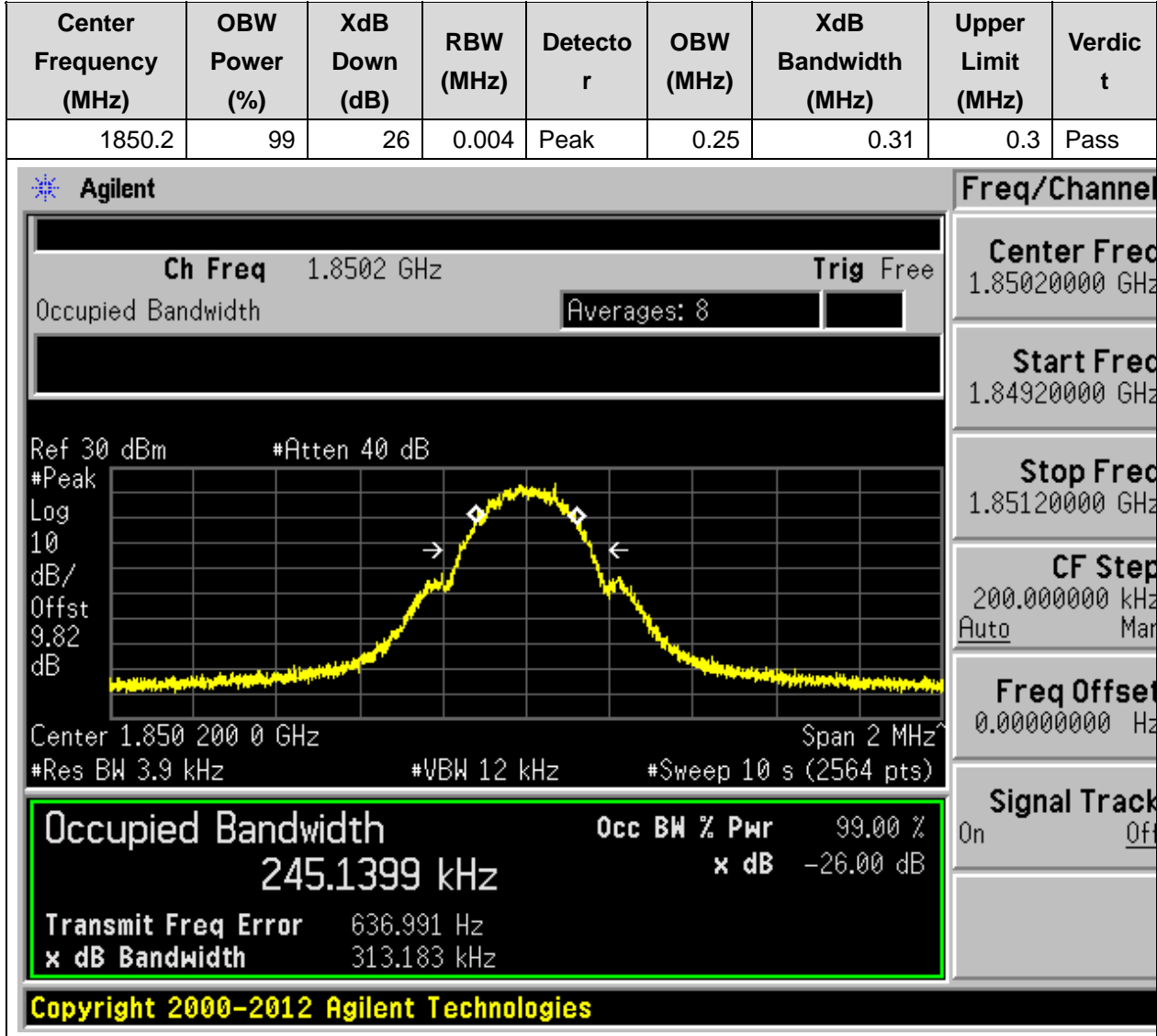


1.3. GSM Occupied Bandwidth(NTNV)(Channel:251)

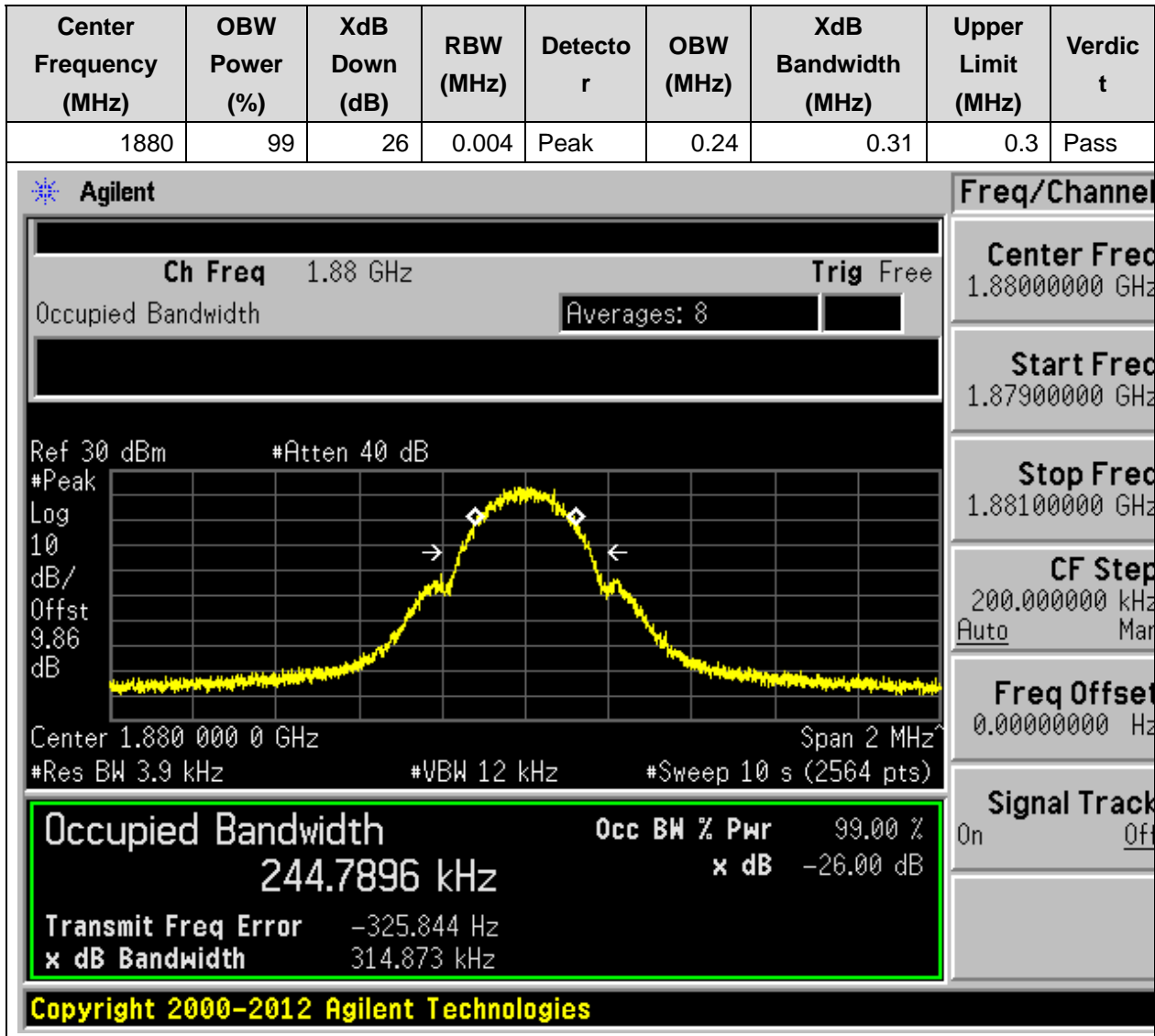


2. GSM_PCS

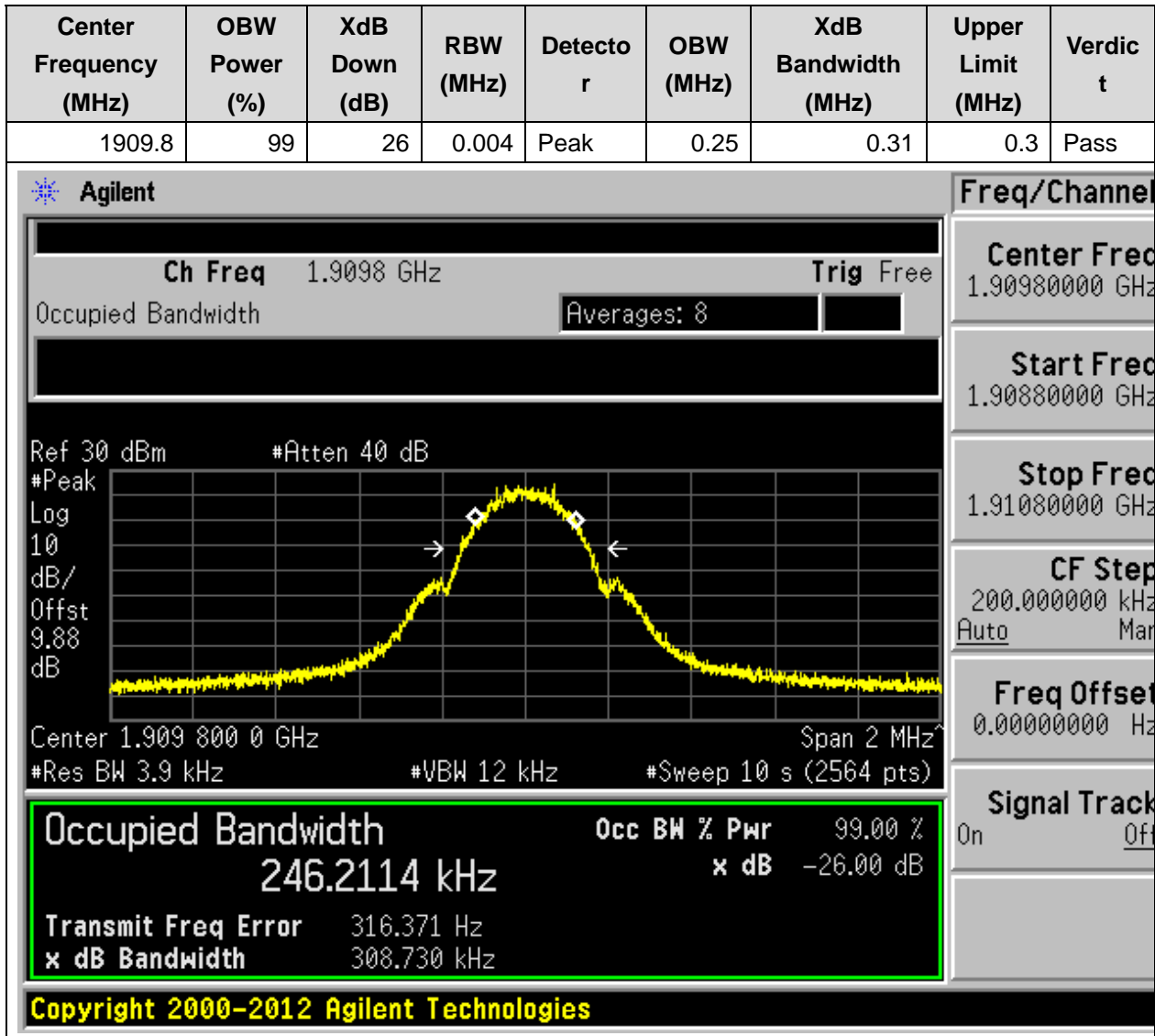
2.1. GSM Occupied Bandwidth(NTNV)(Channel:512)



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



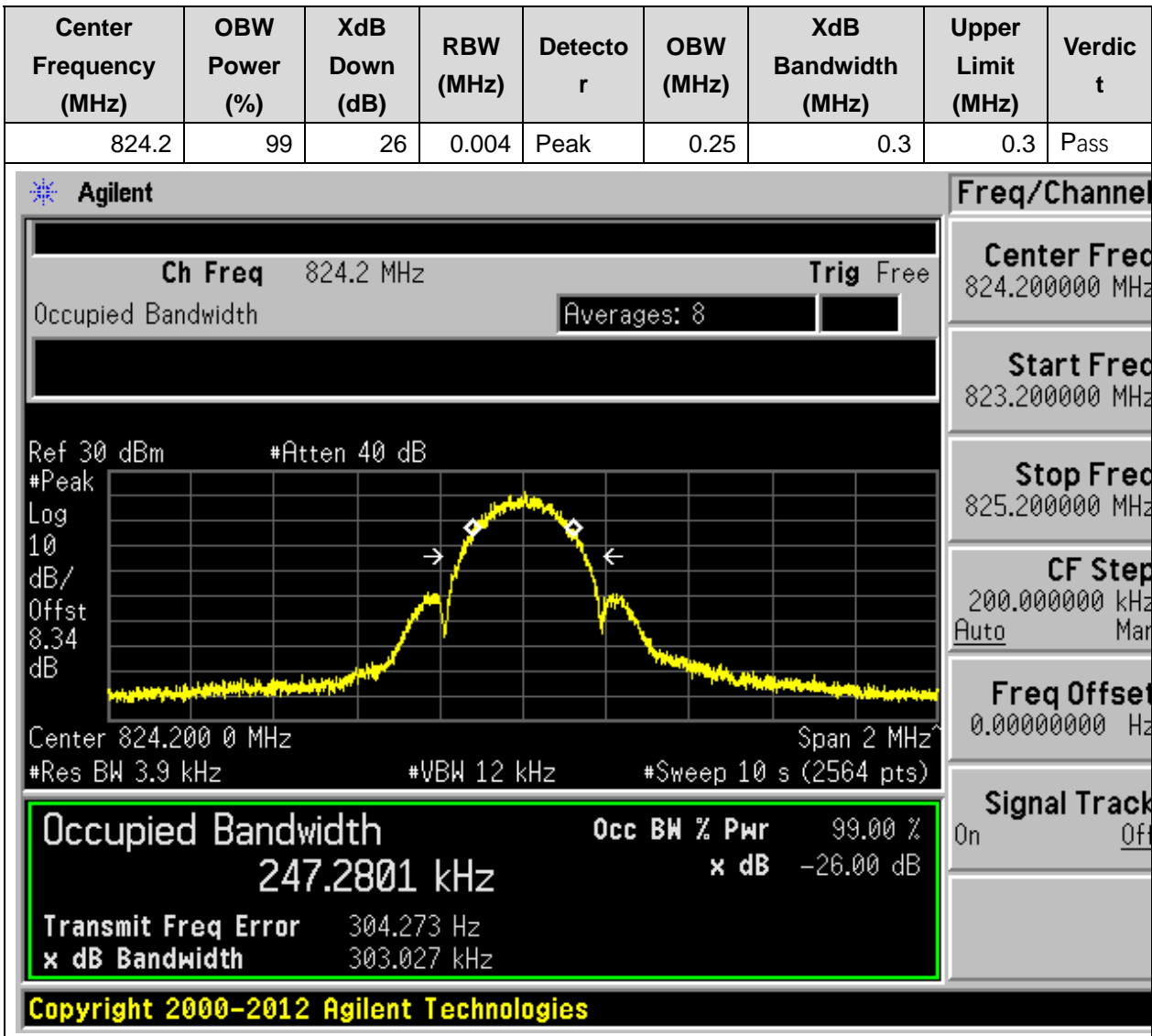
2.3. GSM Occupied Bandwidth(NTNV)(Channel:810)



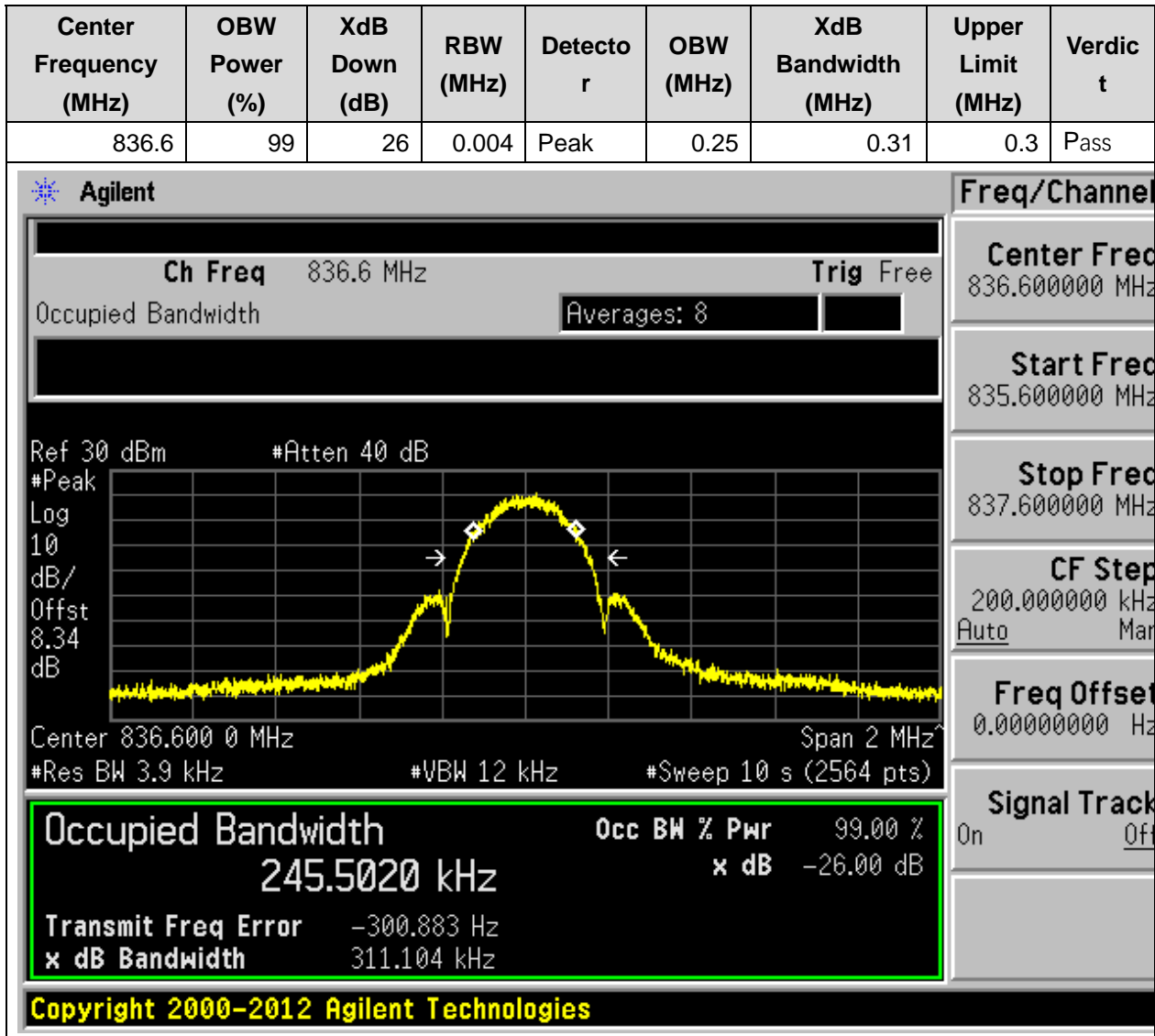
EGPRS

3. EGPRS_GSM850

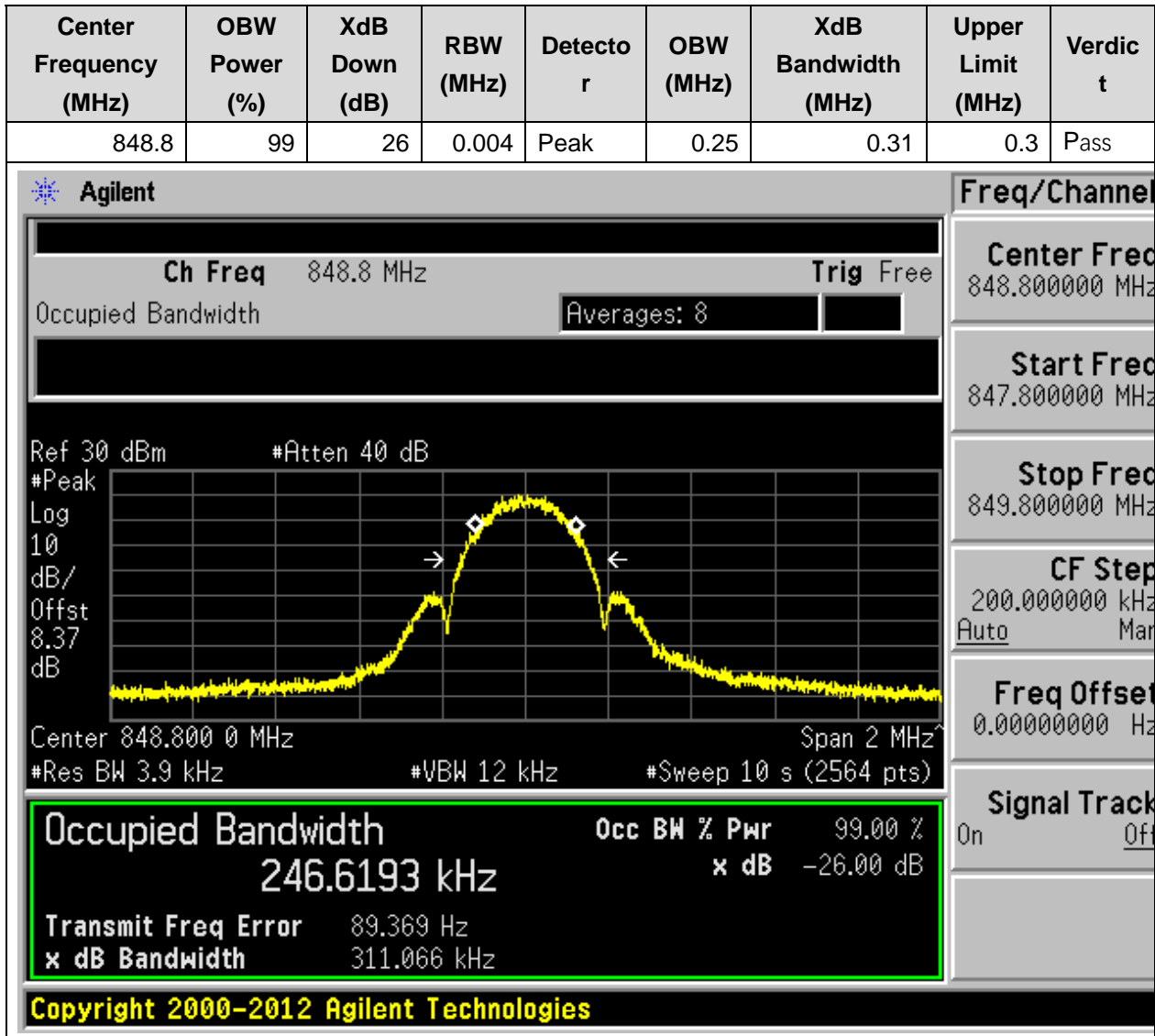
3.1. EGPRS Occupied Bandwidth(NTNV)(Channel:128)



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

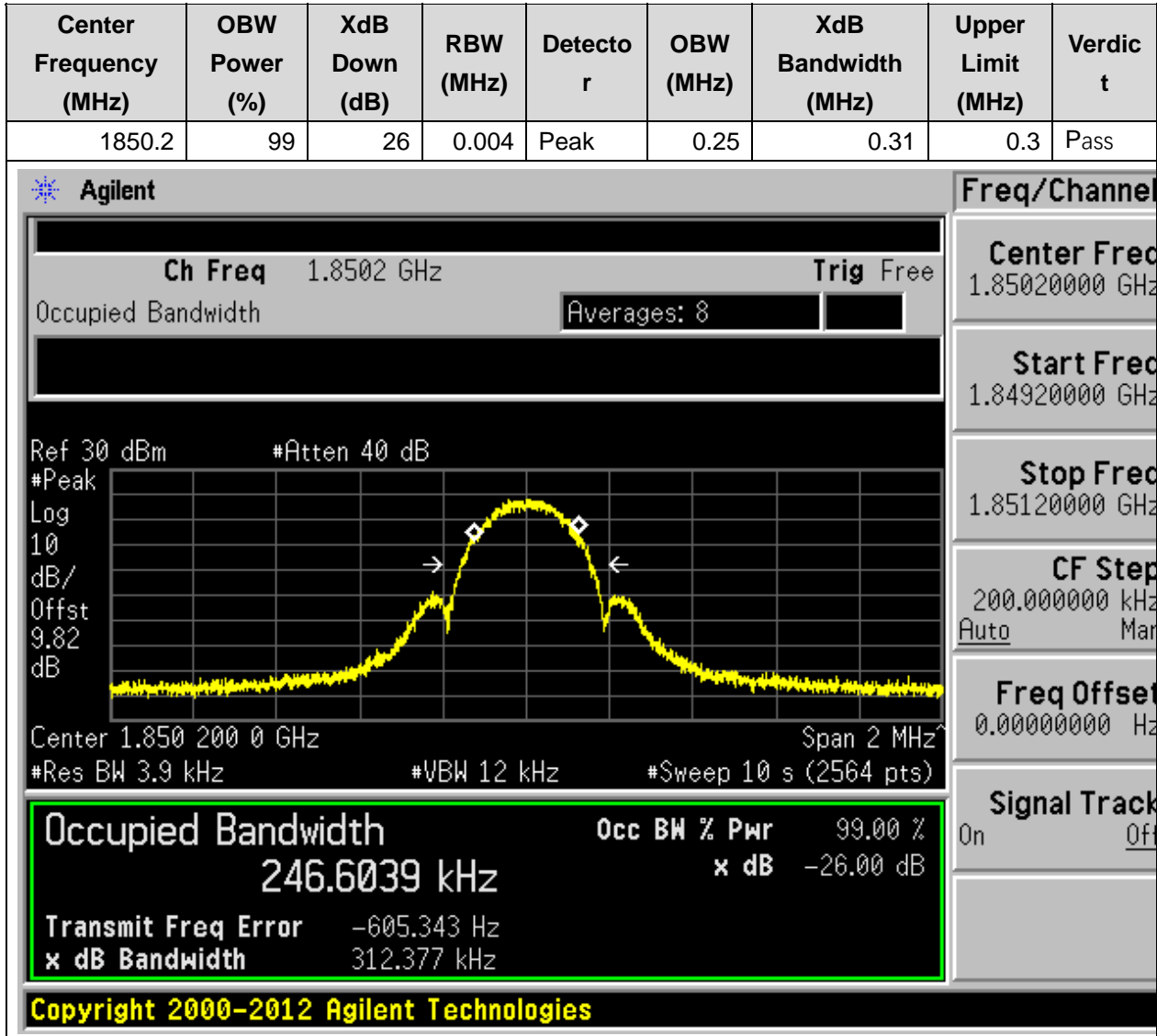


3.3. EGPRS Occupied Bandwidth(NTNV)(Channel:251)

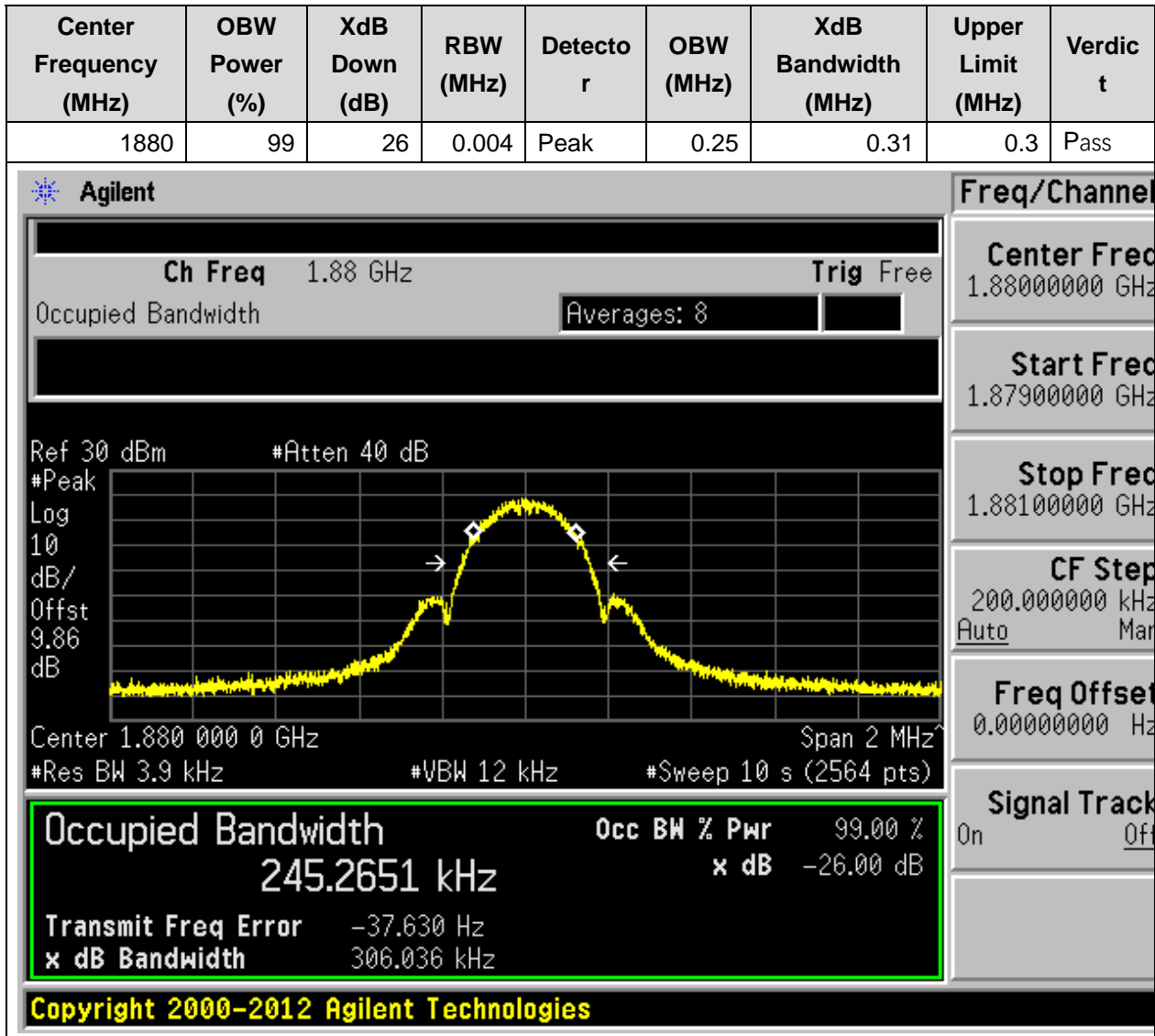


4. EGPRS_PCS

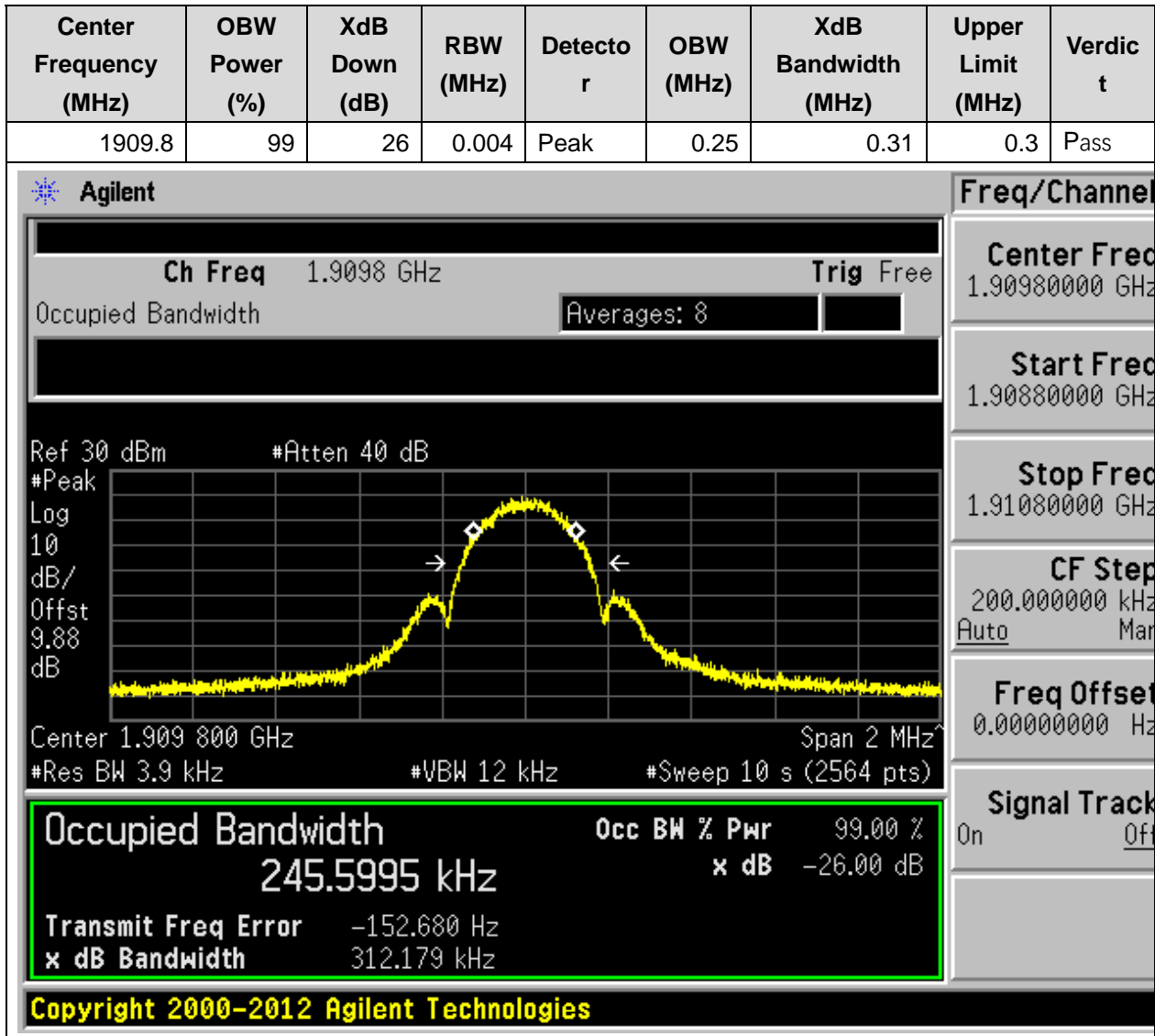
4.1. EGPRS Occupied Bandwidth(NTNV)(Channel:512)



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



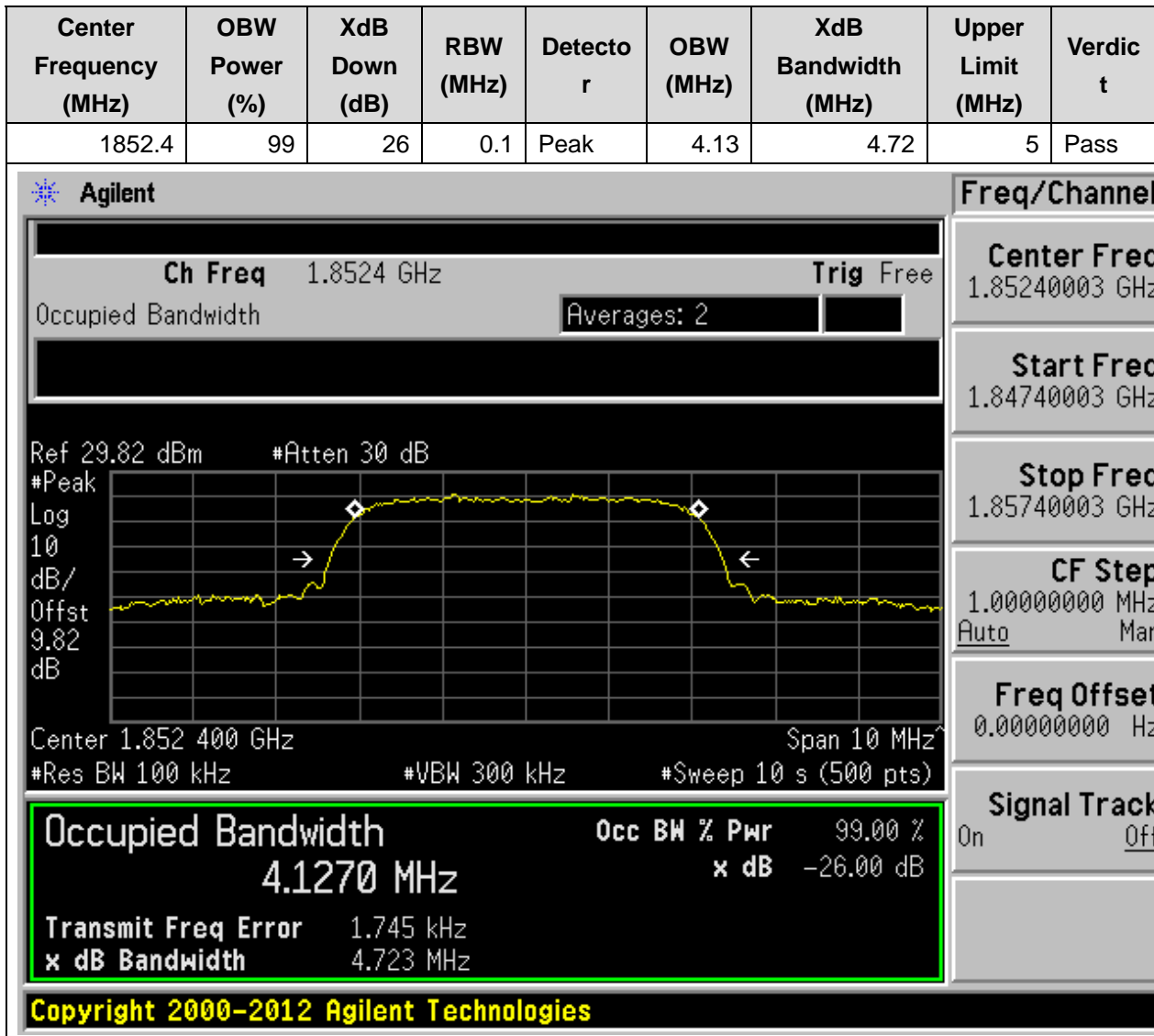
4.3. EGPRS Occupied Bandwidth(NTNV)(Channel:810)



WCDMA

5. WCDMA_Band2

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



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



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

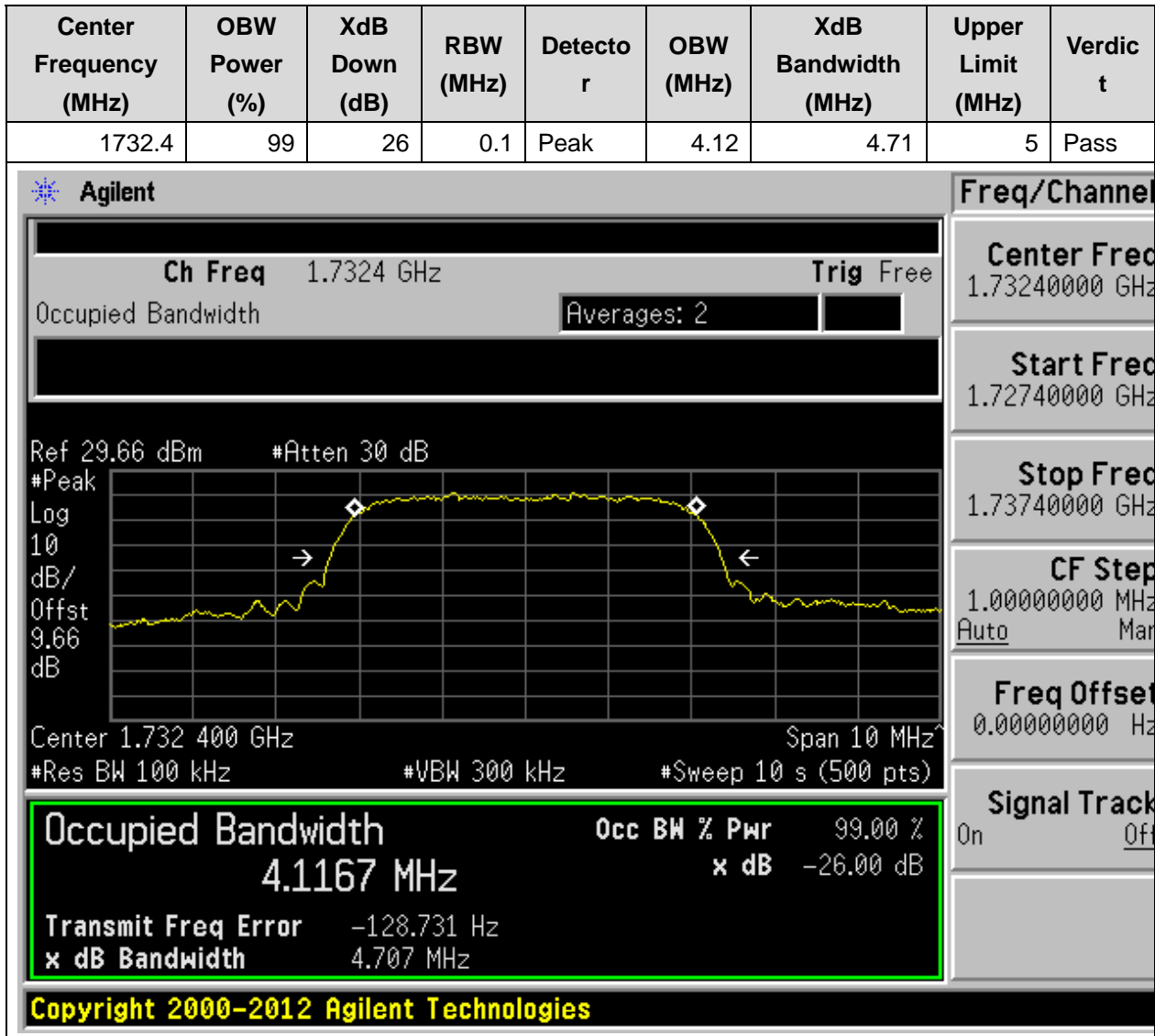


6. WCDMA_Band4

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



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



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



7. WCDMA_Band5

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



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



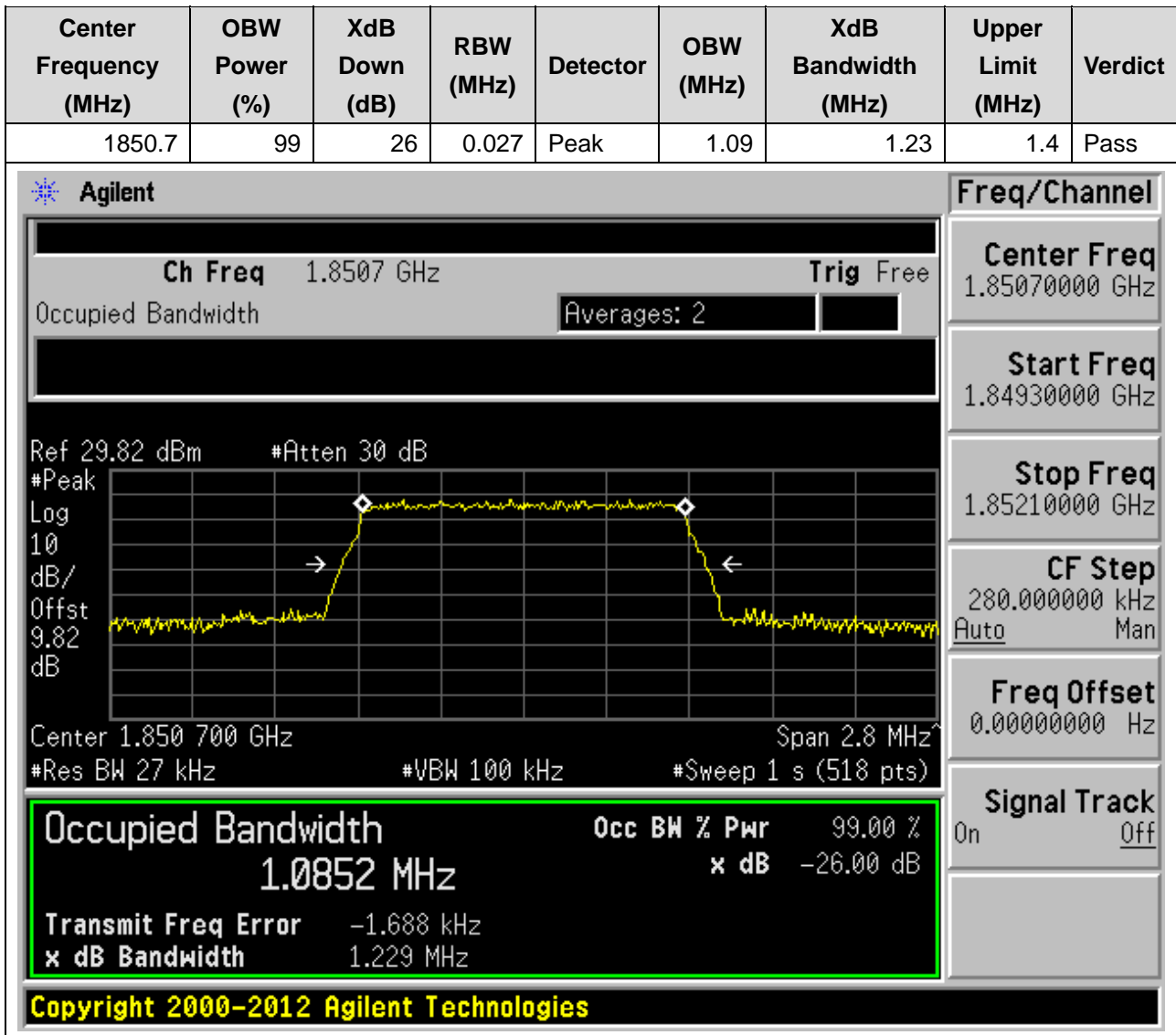
7.3. WCDMA Occupied Bandwidth(NTNV)(Channel:4233)



LTE

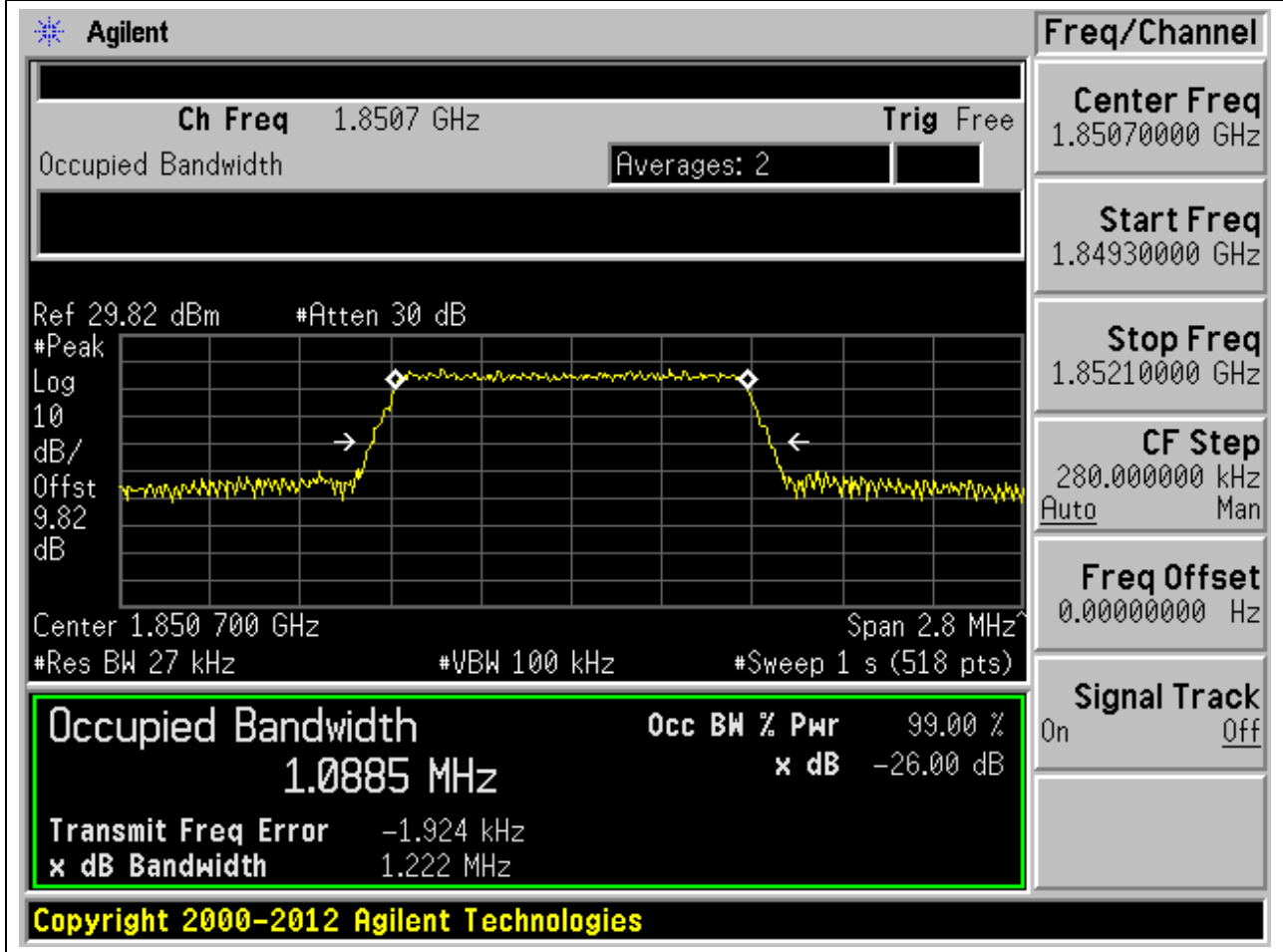
8. LTE_Band2

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



8.2. LTE Occupied Bandwidth(NTNV)(Subtest:2, Channel:18607, 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
1850.7	99	26	0.027	Peak	1.09	1.22	1.4	Pass



8.3. 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	1.09	1.24	1.4	Pass

Agilent
Freq/Channel

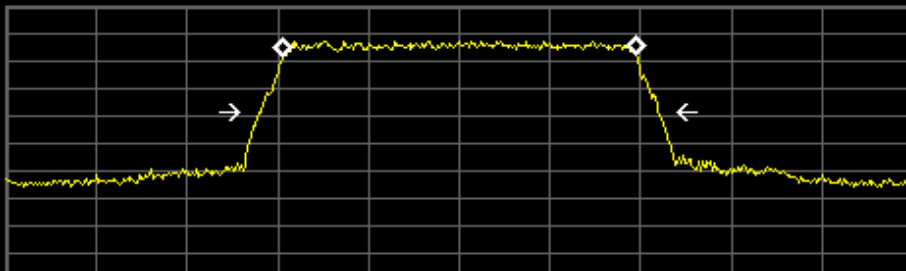
Ch Freq 1.88 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.86 dBm #Atten 30 dB

#Peak

Log 10 dB/ Offst 9.86 dB



Center 1.880 000 GHz Span 2.8 MHz

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

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 %

1.0855 MHz x dB -26.00 dB

Transmit Freq Error 1.337 kHz

x dB Bandwidth 1.237 MHz

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8.4. LTE Occupied Bandwidth(NTNV)(Subtest:4, Channel:18900, 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
1880	99	26	0.027	Peak	1.08	1.22	1.4	Pass

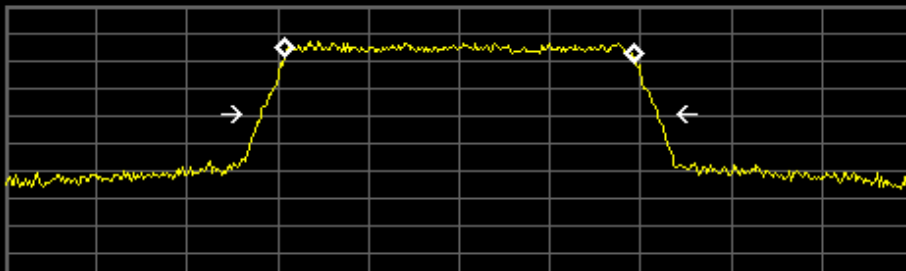
Agilent
Freq/Channel

Ch Freq 1.88 GHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Ref 29.86 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 9.86 dB



Center 1.880 000 GHz Span 2.8 MHz

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

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
1.0814 MHz

Transmit Freq Error -153.187 Hz

x dB Bandwidth 1.224 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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

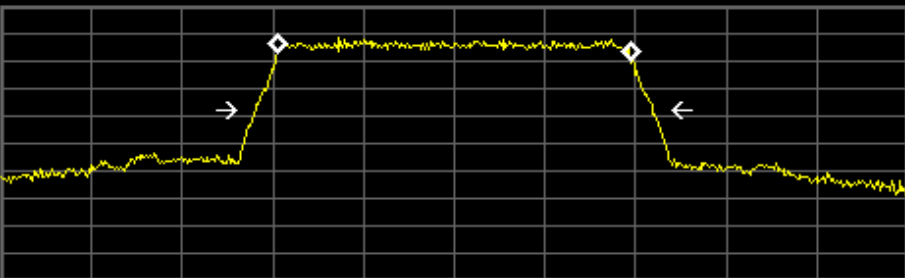
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1909.3	99	26	0.027	Peak	1.09	1.23	1.4	Pass

Agilent
Freq/Channel

Ch Freq 1.9093 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.88 dBm #Atten 30 dB



Center 1.909 300 GHz Span 2.8 MHz

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

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

1.0892 MHz x dB -26.00 dB

Transmit Freq Error -998.697 Hz

x dB Bandwidth 1.227 MHz

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8.6. LTE Occupied Bandwidth(NTNV)(Subtest:6, Channel:19193, 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
1909.3	99	26	0.027	Peak	1.09	1.23	1.4	Pass

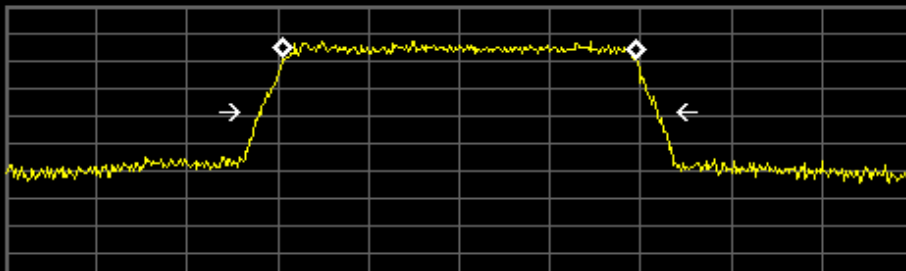
Agilent
Freq/Channel

Ch Freq 1.9093 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.88 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 9.88 dB



Center 1.909 300 GHz Span 2.8 MHz

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

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

1.0865 MHz x dB -26.00 dB

Transmit Freq Error -320.041 Hz

x dB Bandwidth 1.226 MHz

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

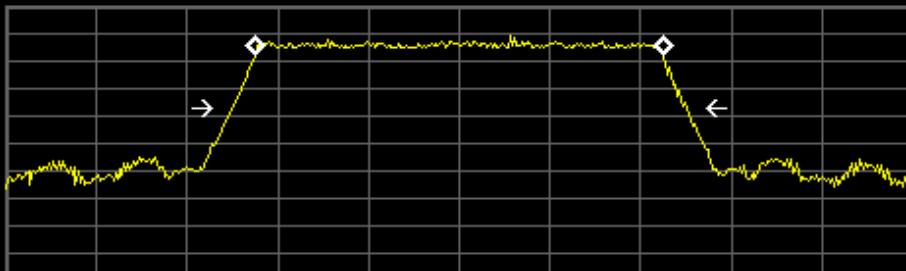
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1851.5	99	26	0.062	Peak	2.7	3	3	Pass

Agilent
Freq/Channel

Ch Freq 1.8515 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.82 dBm #Atten 30 dB



Center 1.851 500 GHz Span 6 MHz

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

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

2.7000 MHz

Transmit Freq Error -4.142 kHz

x dB Bandwidth 2.999 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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

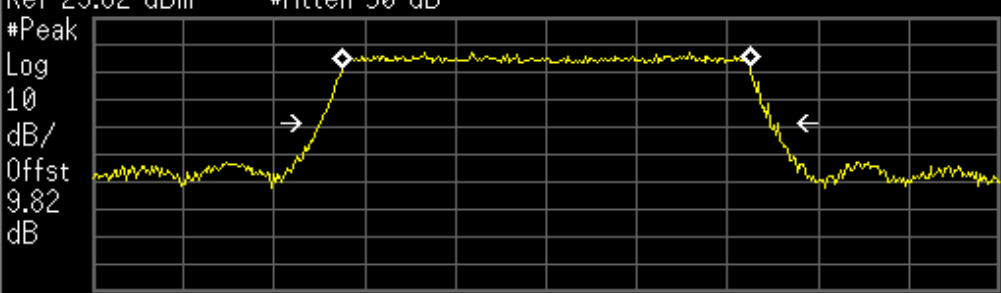
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1851.5	99	26	0.062	Peak	2.7	3.03	3	Pass

Agilent
Freq/Channel

Ch Freq 1.8515 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.82 dBm #Atten 30 dB



Center 1.851 500 GHz Span 6 MHz

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

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

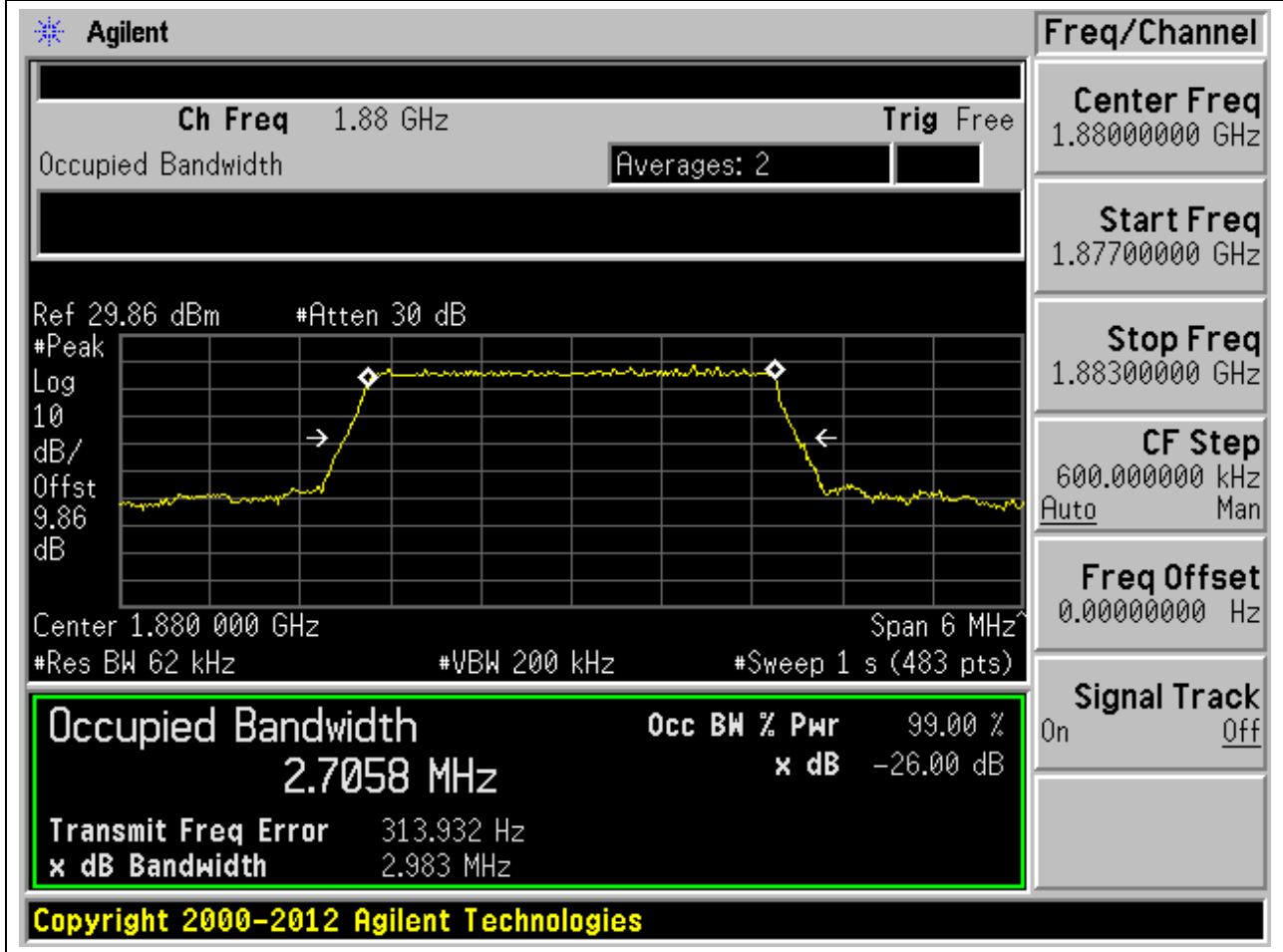
Signal Track On Off

Occupied Bandwidth	Occ BW % Pwr 99.00 %
2.6997 MHz	x dB -26.00 dB
Transmit Freq Error -2.776 kHz	
x dB Bandwidth 3.026 MHz	

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8.9. LTE Occupied Bandwidth(NTNV)(Subtest:9, Channel:18900, 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
1880	99	26	0.062	Peak	2.71	2.98	3	Pass



8.10. 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	2.7	3.03	3	Pass

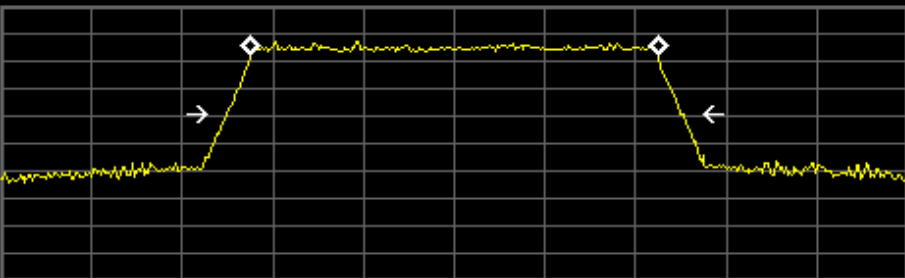
Agilent
Freq/Channel

Ch Freq 1.88 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.86 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 9.86 dB



Center 1.880 000 GHz Span 6 MHz

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

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

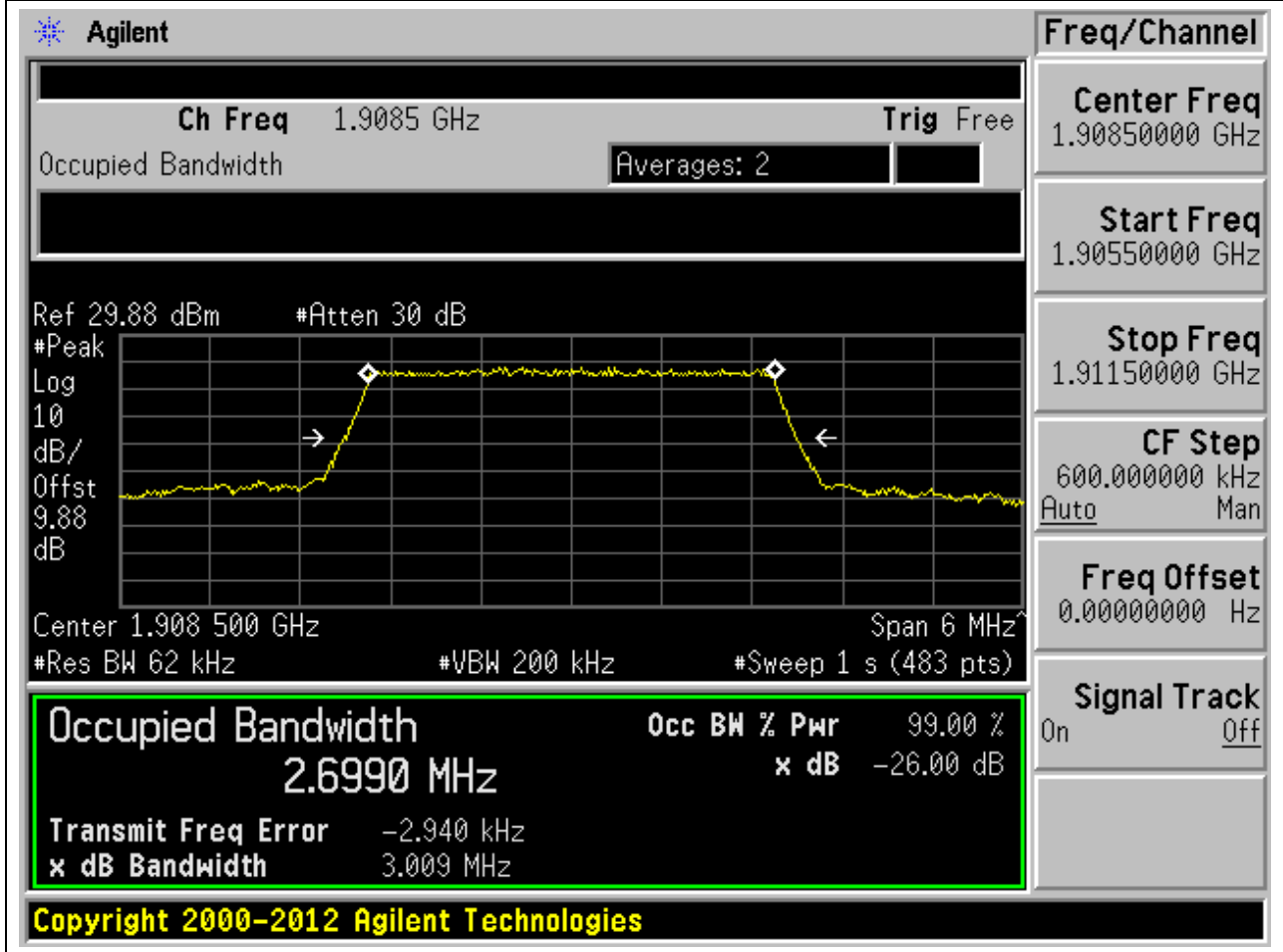
Signal Track On Off

Occupied Bandwidth	Occ BW % Pwr 99.00 %
2.7013 MHz	x dB -26.00 dB
Transmit Freq Error -2.099 kHz	
x dB Bandwidth 3.026 MHz	

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8.11. 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	3.01	3	Pass



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

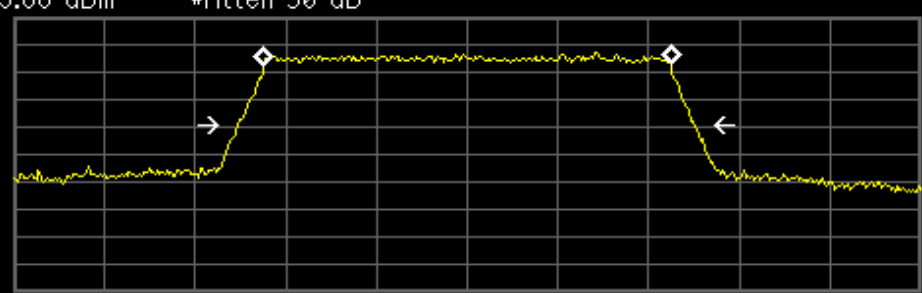
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1908.5	99	26	0.062	Peak	2.69	3.02	3	Pass

Agilent
Freq/Channel

Ch Freq 1.9085 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.88 dBm #Atten 30 dB



Center 1.908 500 GHz Span 6 MHz

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

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 %
2.6930 MHz	x dB -26.00 dB
Transmit Freq Error	-2.219 kHz
x dB Bandwidth	3.022 MHz

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

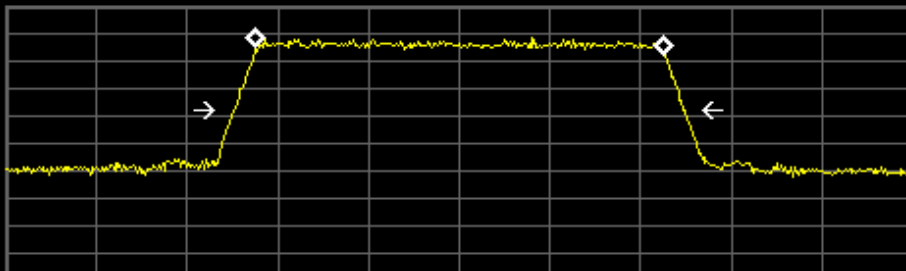
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1852.5	99	26	0.1	Peak	4.51	4.97	5	Pass

Agilent
Freq/Channel

Ch Freq 1.8525 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.82 dBm #Atten 30 dB



Center 1.852 500 GHz Span 10 MHz

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

Center Freq 1.85250000 GHz

Start Freq 1.84750000 GHz

Stop Freq 1.85750000 GHz

CF Step 1.00000000 MHz

Freq Offset 0.00000000 Hz

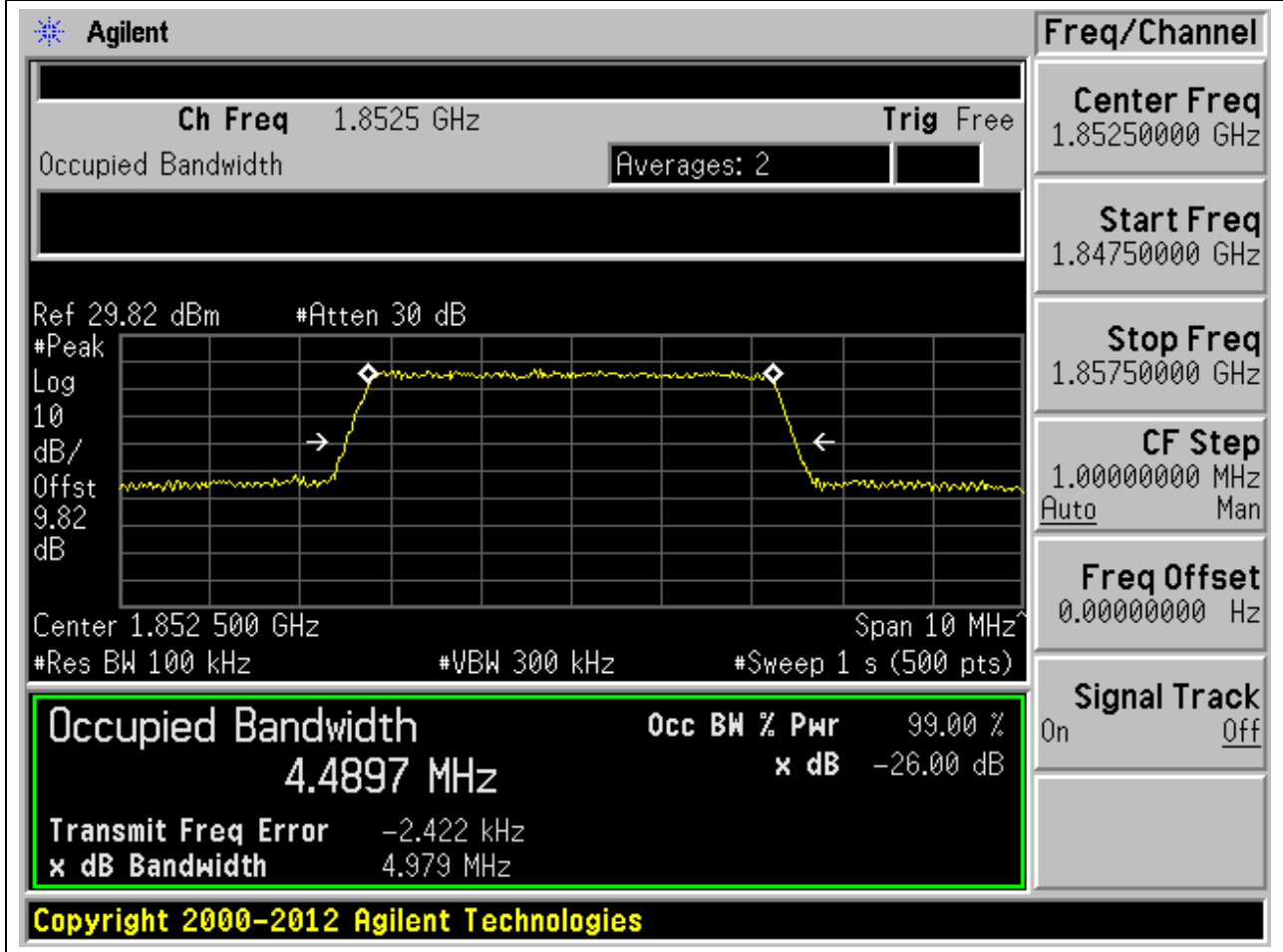
Signal Track On

Occupied Bandwidth	Occ BW % Pwr 99.00 %
4.5078 MHz	x dB -26.00 dB
Transmit Freq Error 31.941 Hz	
x dB Bandwidth 4.974 MHz	

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8.14. 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	4.49	4.98	5	Pass



8.15. 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	4.49	4.97	5	Pass

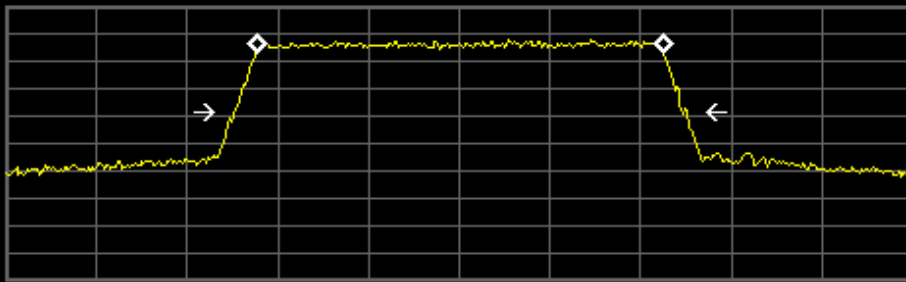
Agilent
Freq/Channel

Ch Freq 1.88 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.86 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 9.86 dB



Center 1.880 000 GHz Span 10 MHz

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

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 %

4.4919 MHz x dB -26.00 dB

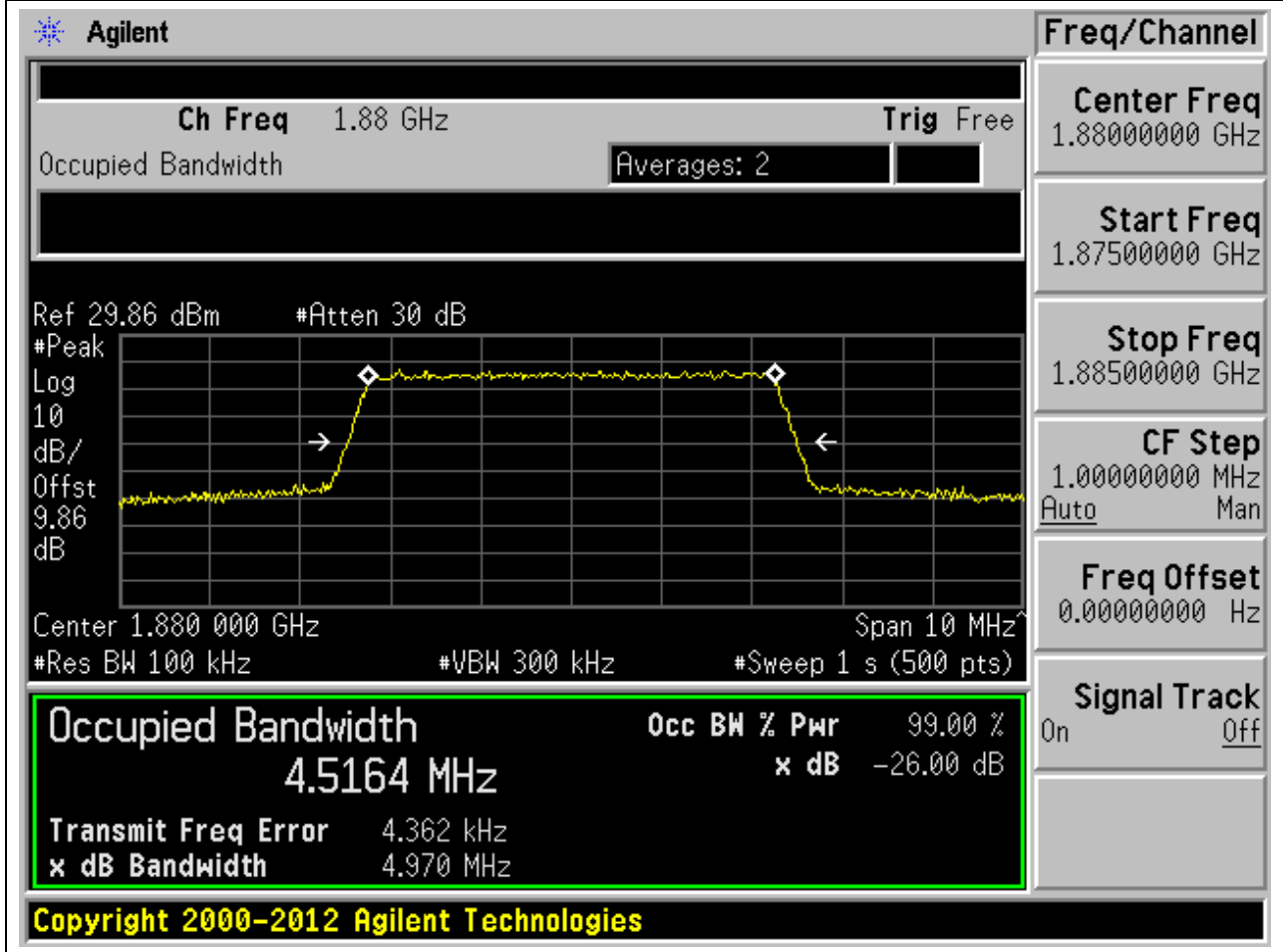
Transmit Freq Error 582.112 Hz

x dB Bandwidth 4.970 MHz

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8.16. 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	4.52	4.97	5	Pass



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

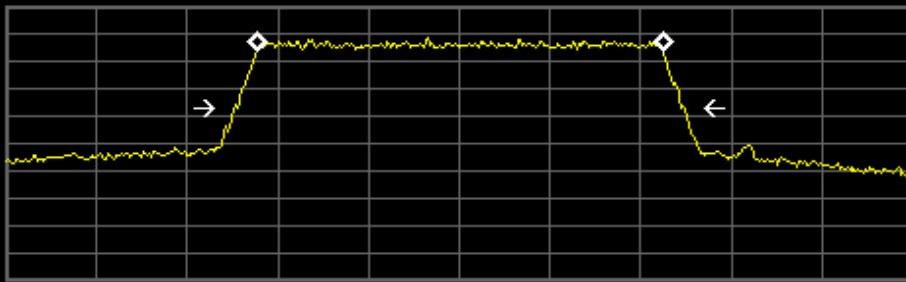
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1907.5	99	26	0.1	Peak	4.49	4.99	5	Pass

Agilent
Freq/Channel

Ch Freq 1.9075 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.88 dBm #Atten 30 dB



Center 1.907 500 GHz Span 10 MHz

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

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
4.4888 MHz	x dB -26.00 dB
Transmit Freq Error 871.175 Hz	
x dB Bandwidth 4.986 MHz	

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8.18. LTE Occupied Bandwidth(NTNV)(Subtest:18, Channel:19175, 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
1907.5	99	26	0.1	Peak	4.5	4.99	5	Pass

Agilent
Freq/Channel

Ch Freq 1.9075 GHz Trig Free

Occupied Bandwidth Averages: 2

Center Freq 1.90750000 GHz

Start Freq 1.90250000 GHz

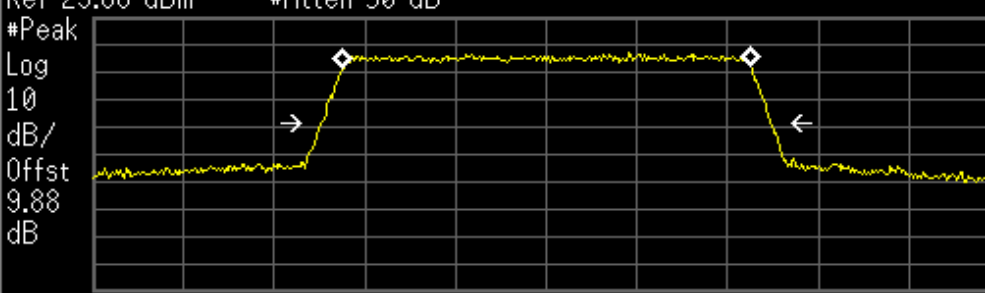
Stop Freq 1.91250000 GHz

CF Step 1.00000000 MHz
Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

Ref 29.88 dBm #Atten 30 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 %
4.5009 MHz	x dB -26.00 dB
Transmit Freq Error 5.228 kHz	
x dB Bandwidth 4.994 MHz	

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

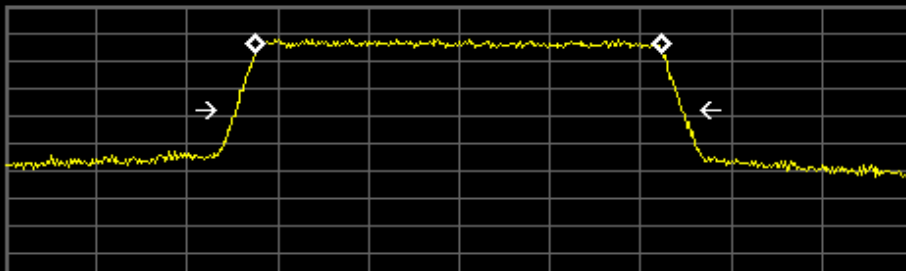
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1855	99	26	0.2	Peak	8.97	9.84	10	Pass

Agilent
Freq/Channel

Ch Freq 1.855 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.81 dBm #Atten 30 dB



Center 1.855 00 GHz Span 20 MHz

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

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

8.9707 MHz

Transmit Freq Error -3.748 kHz

x dB Bandwidth 9.844 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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

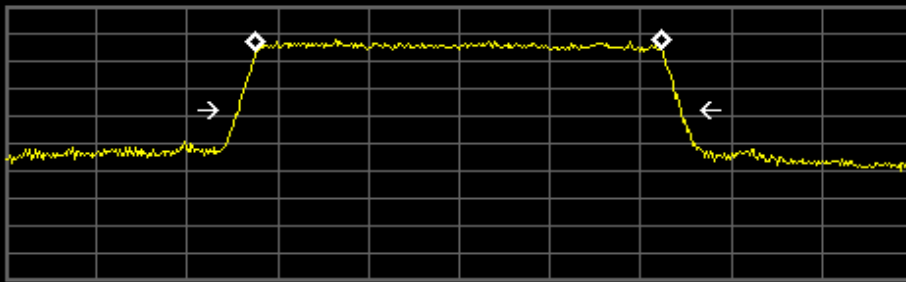
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1855	99	26	0.2	Peak	8.98	9.8	10	Pass

Agilent
Freq/Channel

Ch Freq 1.855 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.81 dBm #Atten 30 dB



Center 1.855 00 GHz Span 20 MHz

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

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

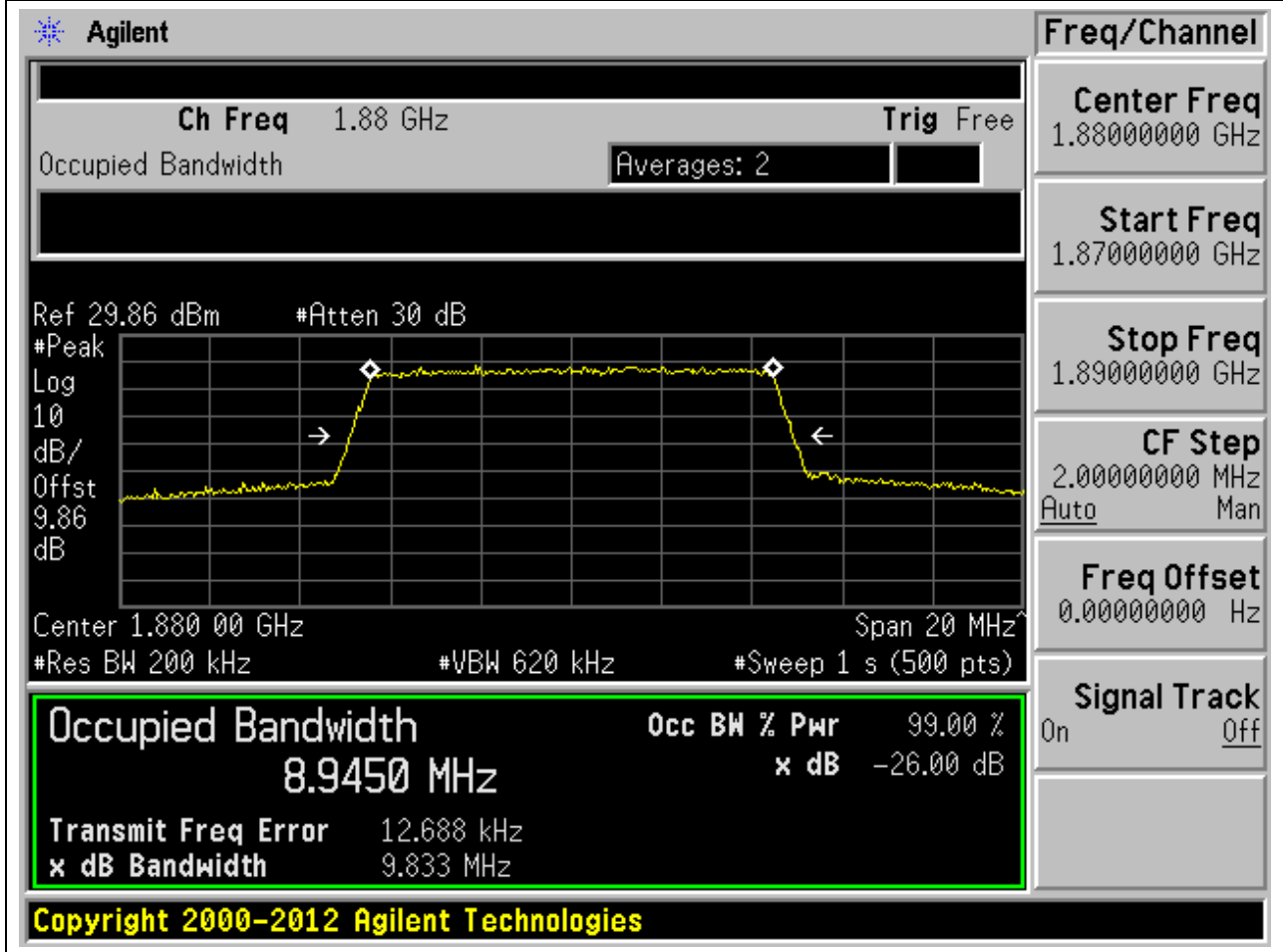
Signal Track
On Off

Occupied Bandwidth	Occ BW % Pwr 99.00 %
8.9763 MHz	x dB -26.00 dB
Transmit Freq Error -4.891 kHz	
x dB Bandwidth 9.796 MHz	

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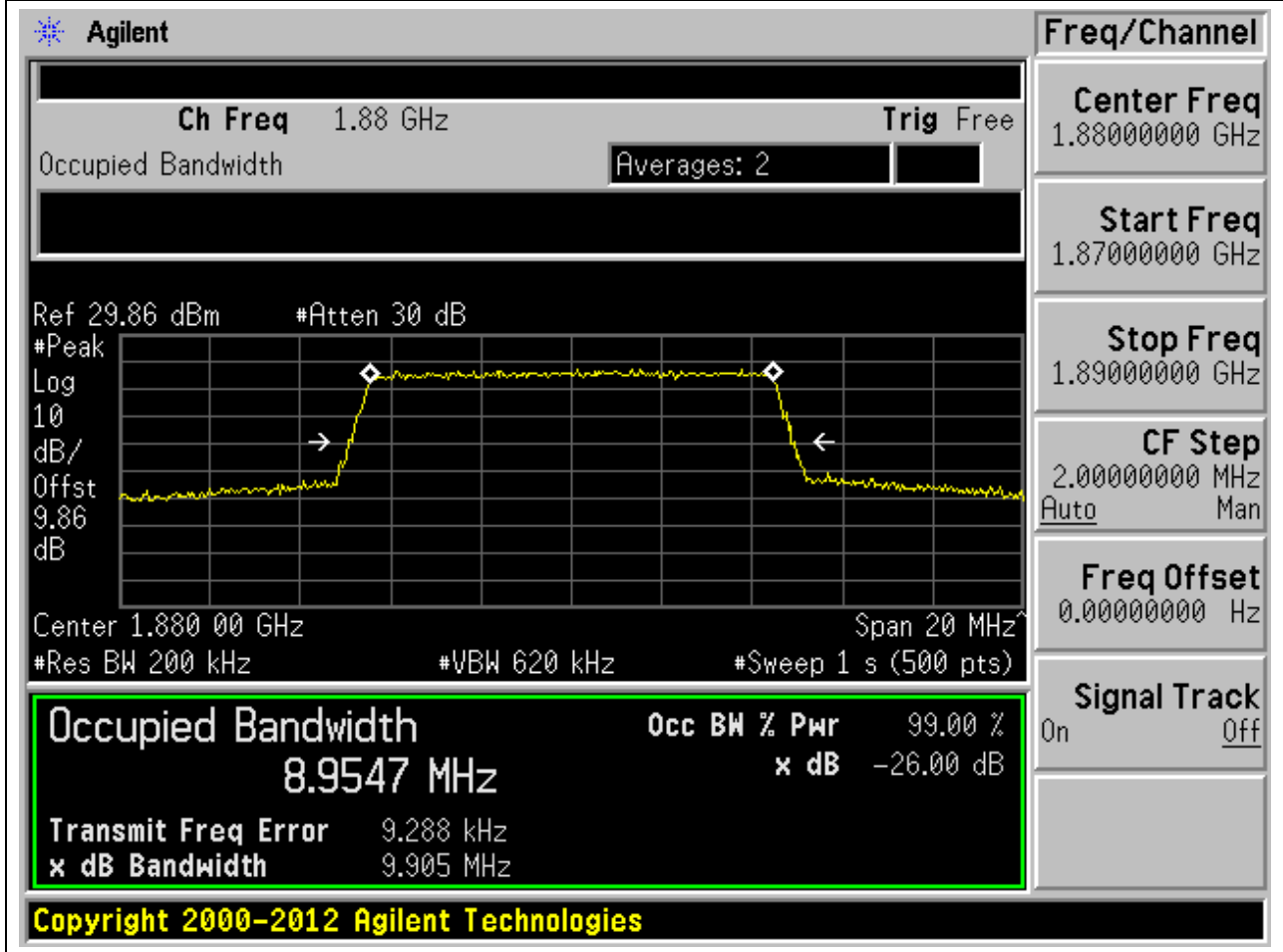
8.21. LTE Occupied Bandwidth(NTNV)(Subtest:21, Channel:18900, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	0.2	Peak	8.95	9.83	10	Pass



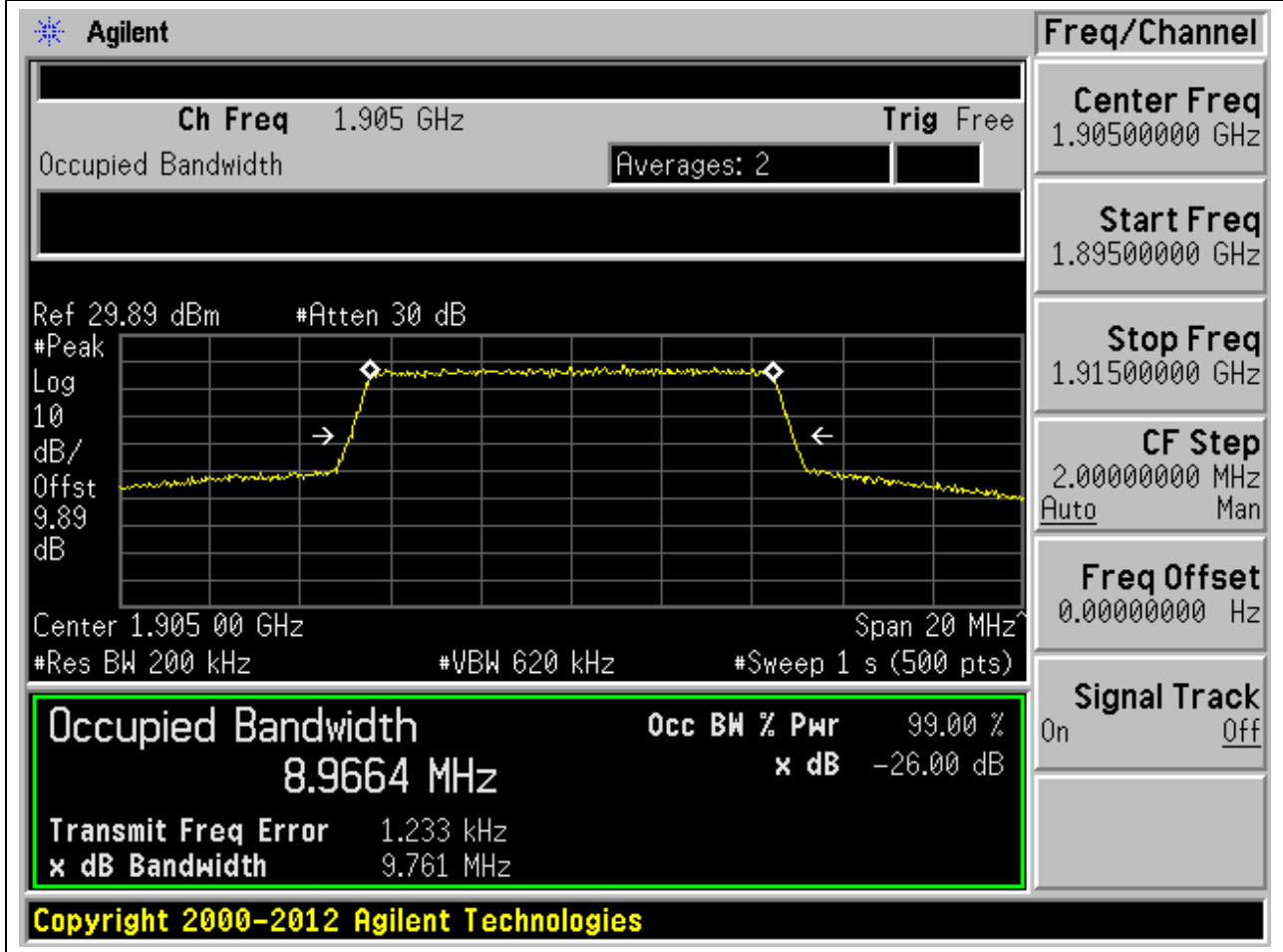
8.22. LTE Occupied Bandwidth(NTNV)(Subtest:22, Channel:18900, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	0.2	Peak	8.95	9.91	10	Pass



8.23. 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	8.97	9.76	10	Pass



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

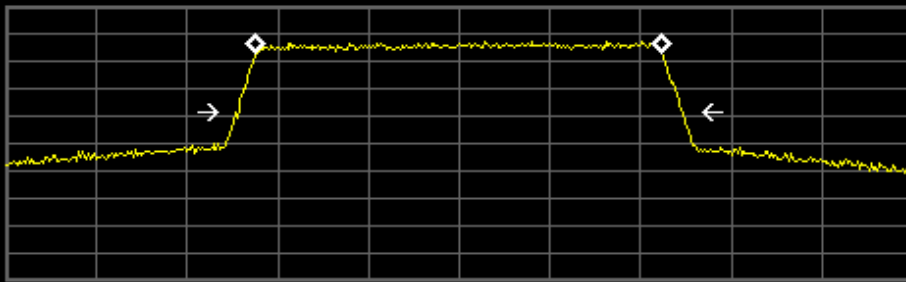
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1905	99	26	0.2	Peak	8.96	9.81	10	Pass

Agilent
Freq/Channel

Ch Freq 1.905 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.89 dBm #Atten 30 dB



Center 1.905 00 GHz Span 20 MHz

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

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

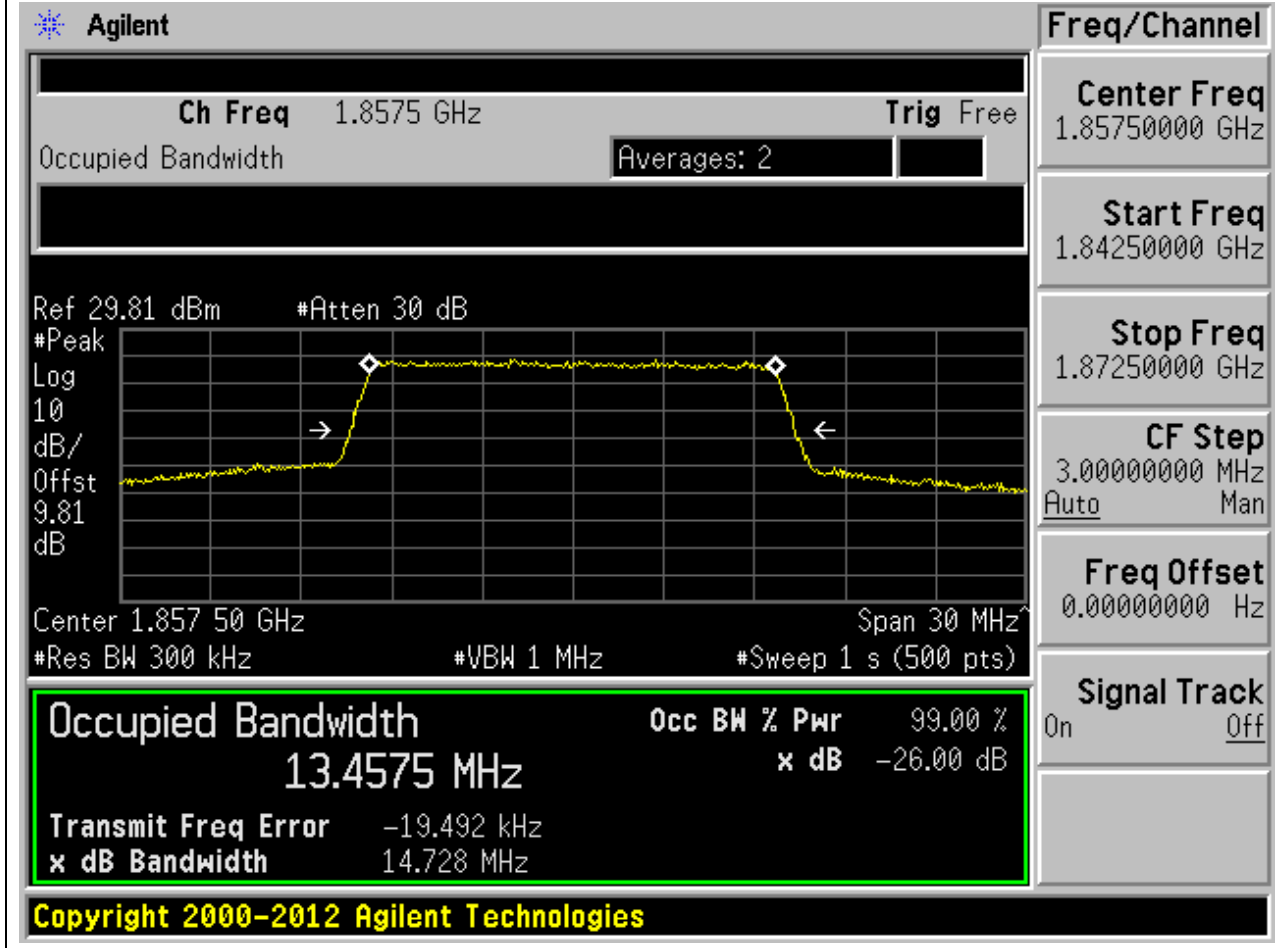
Signal Track
On Off

Occupied Bandwidth	Occ BW % Pwr 99.00 %
8.9644 MHz	x dB -26.00 dB
Transmit Freq Error -8.640 kHz	
x dB Bandwidth 9.810 MHz	

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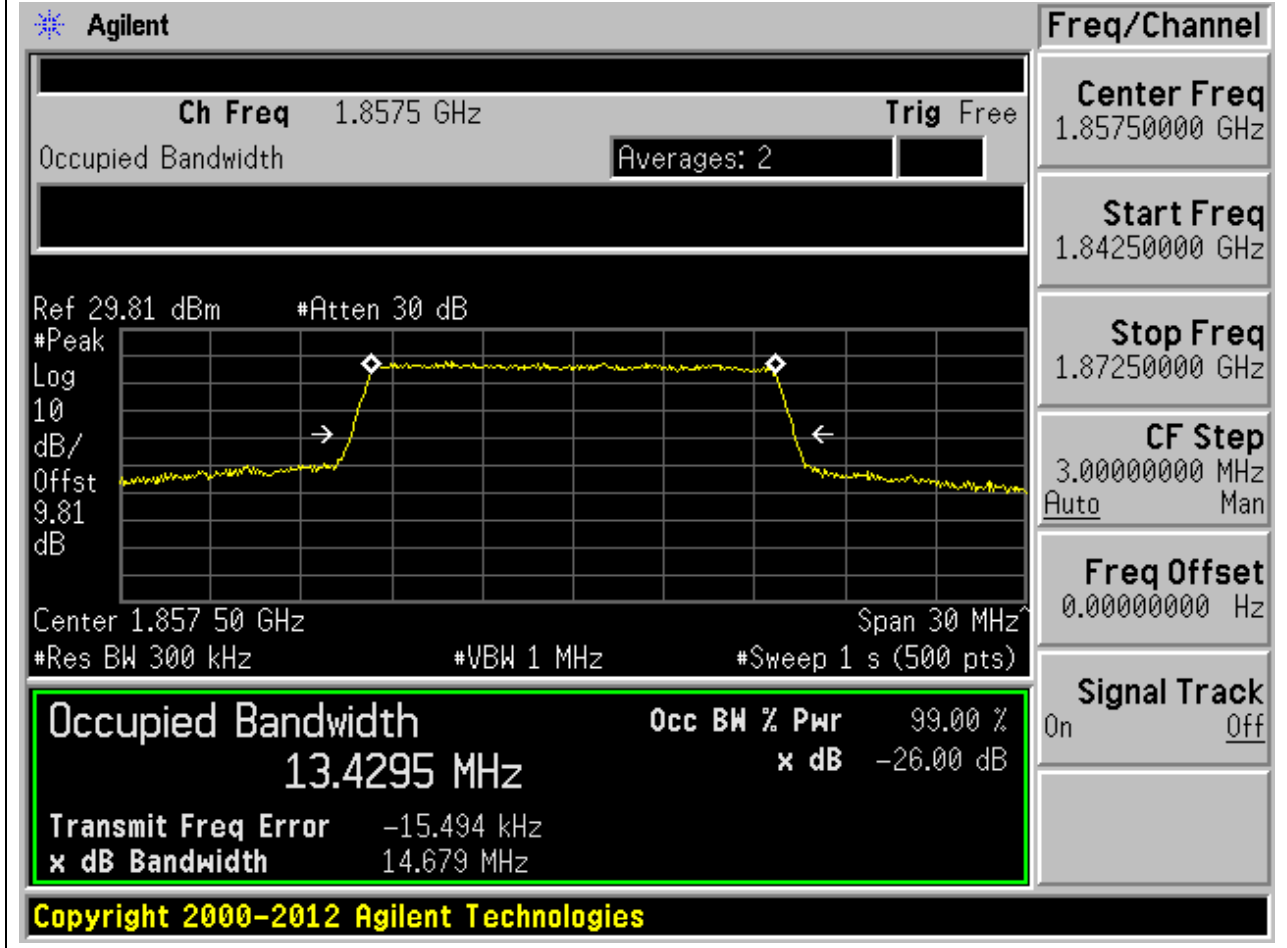
8.25. LTE Occupied Bandwidth(NTNV)(Subtest:25, Channel:18675, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)

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	13.46	14.73	15	Pass



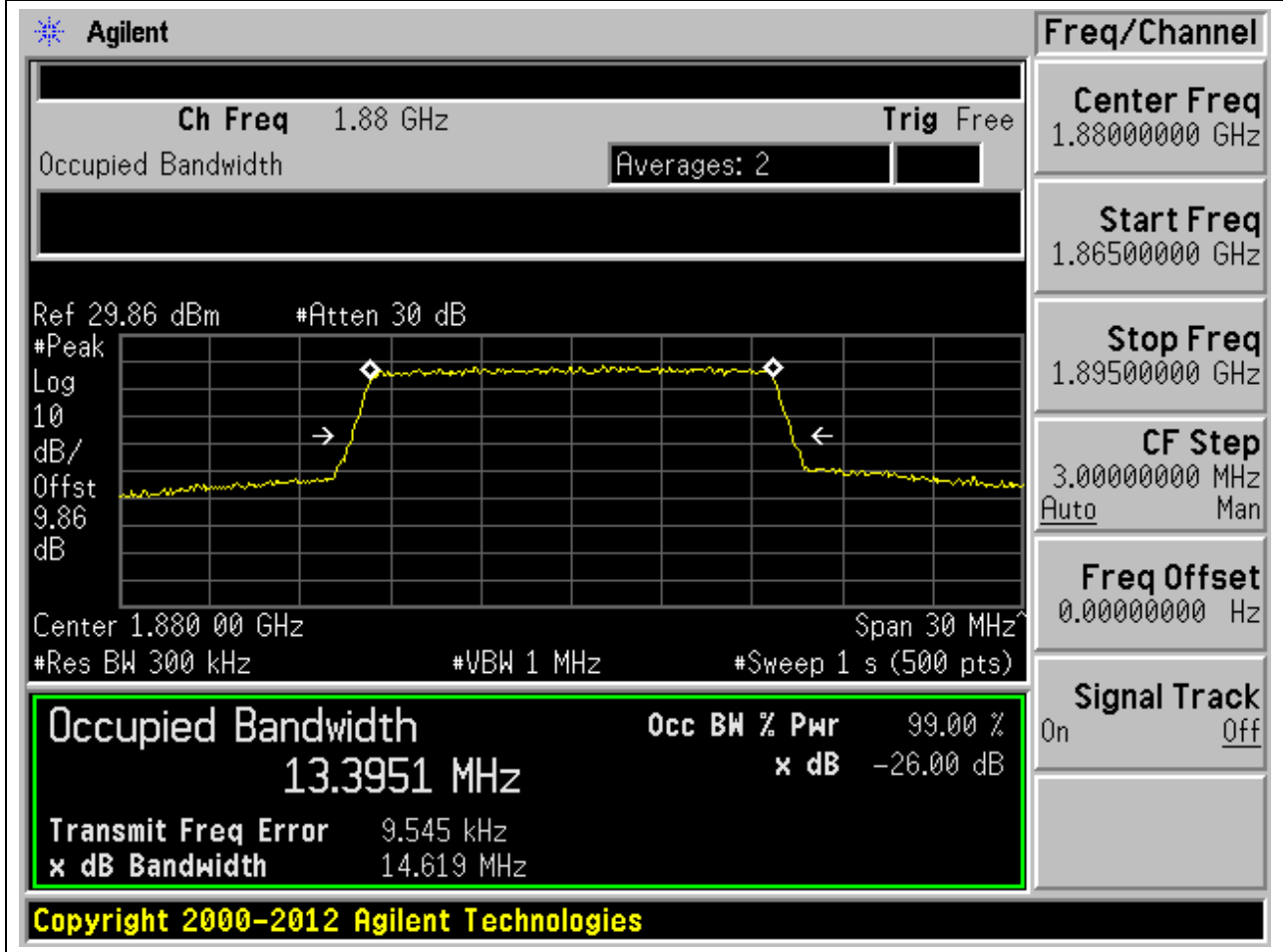
8.26. LTE Occupied Bandwidth(NTNV)(Subtest:26, Channel:18675, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)

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	13.43	14.68	15	Pass



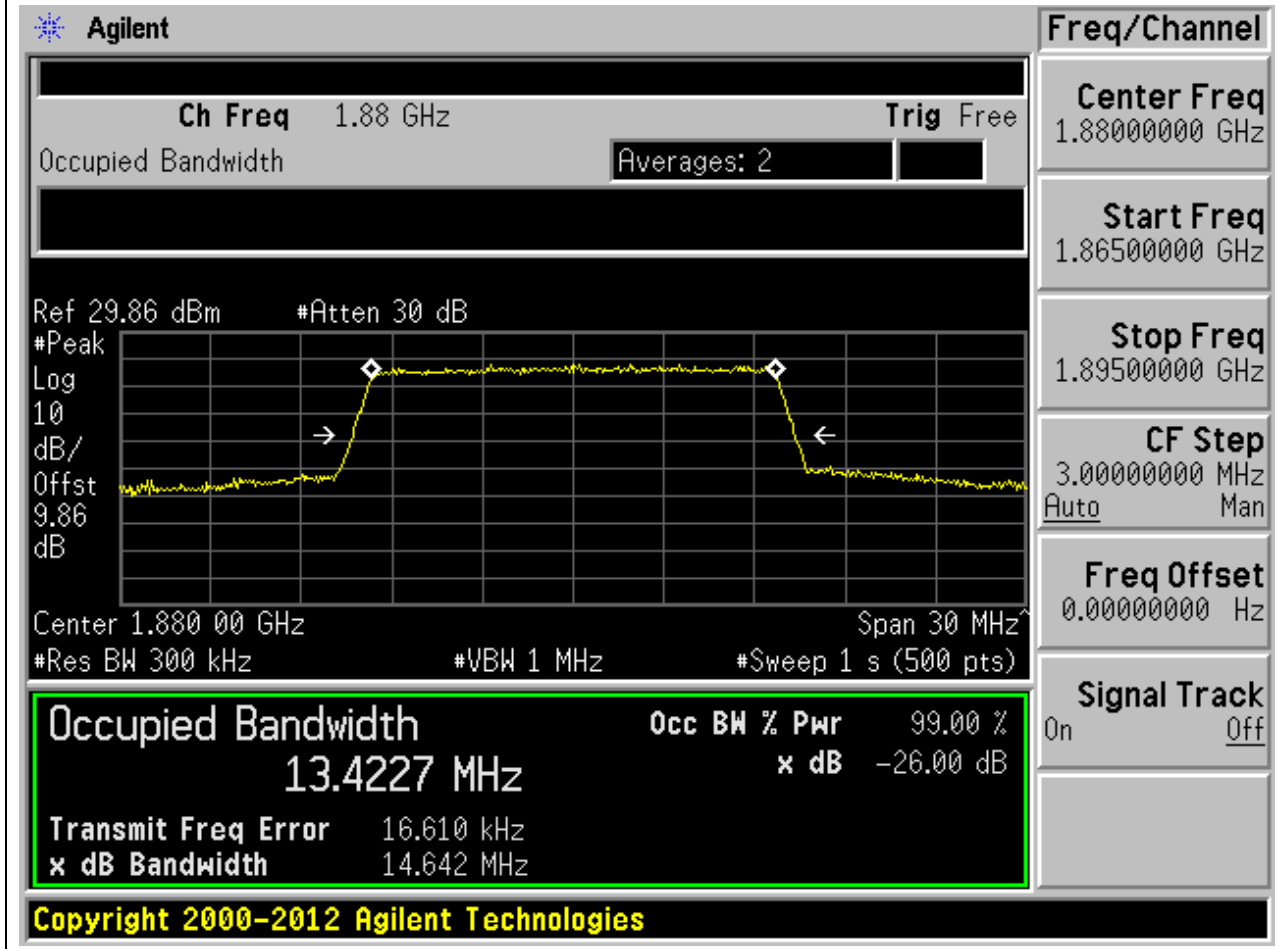
8.27. LTE Occupied Bandwidth(NTNV)(Subtest:27, Channel:18900, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)

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	13.4	14.62	15	Pass



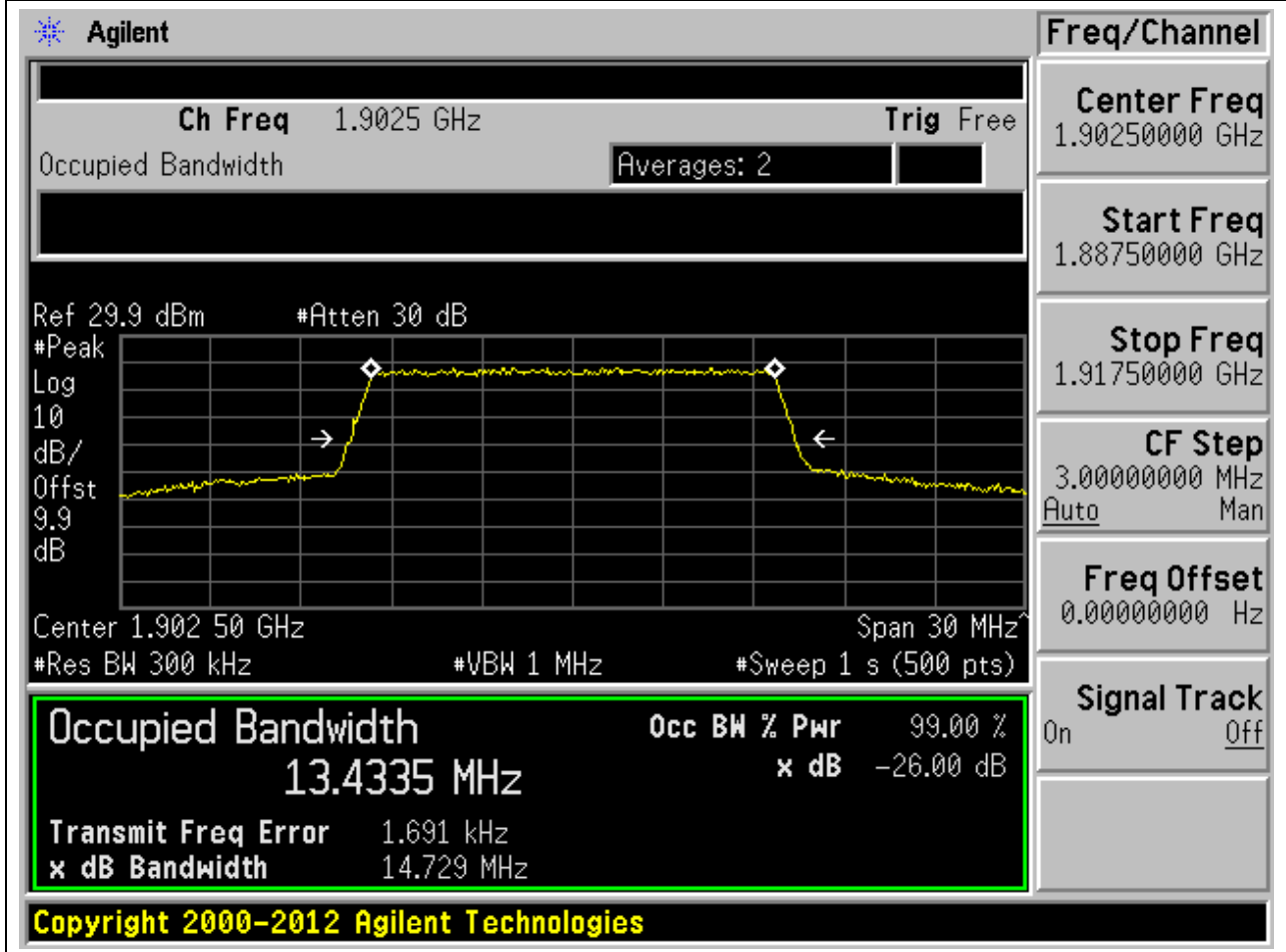
8.28. LTE Occupied Bandwidth(NTNV)(Subtest:28, Channel:18900, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)

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	13.42	14.64	15	Pass



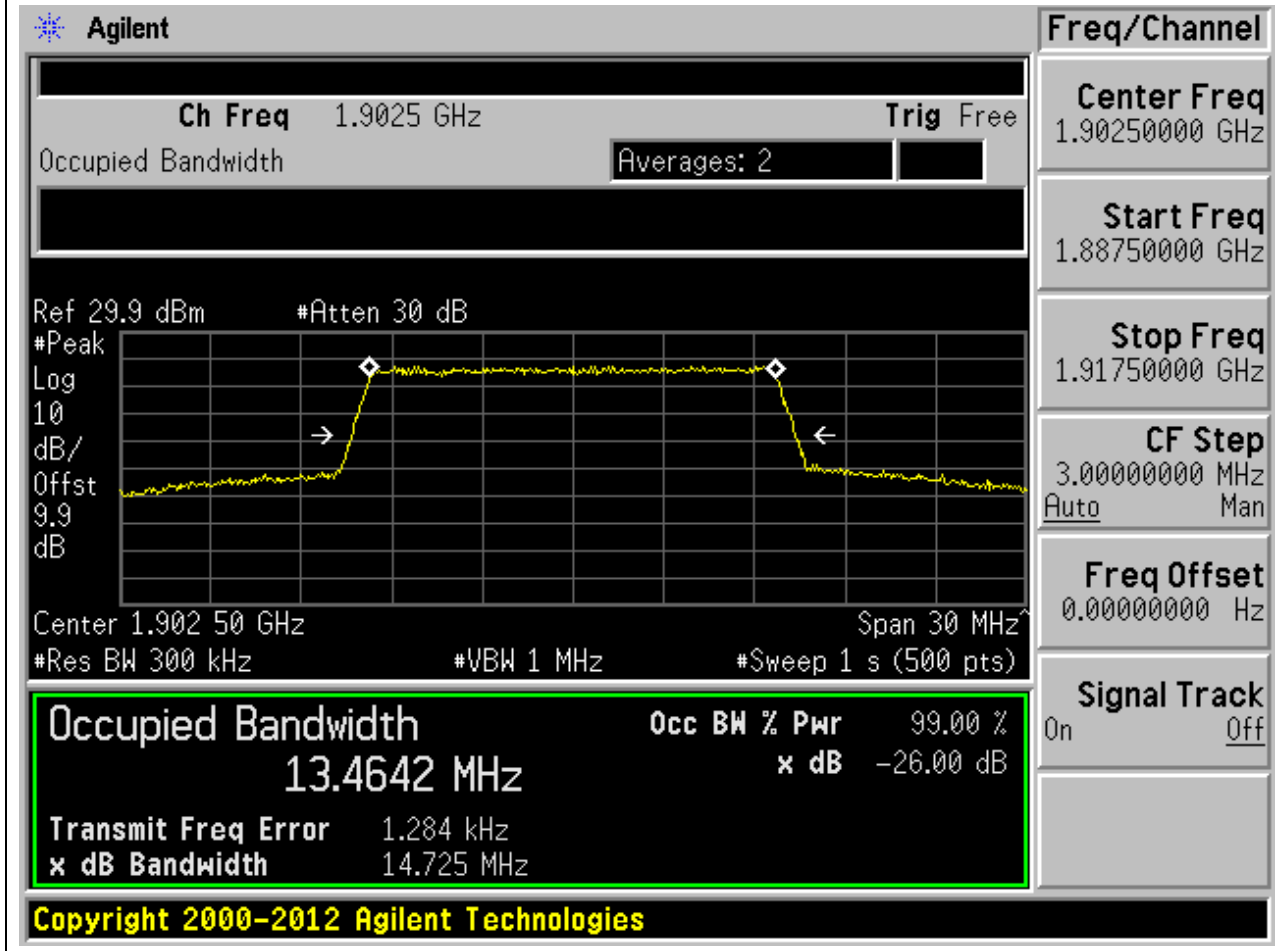
8.29. LTE Occupied Bandwidth(NTNV)(Subtest:29, Channel:19125, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)

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	13.43	14.73	15	Pass



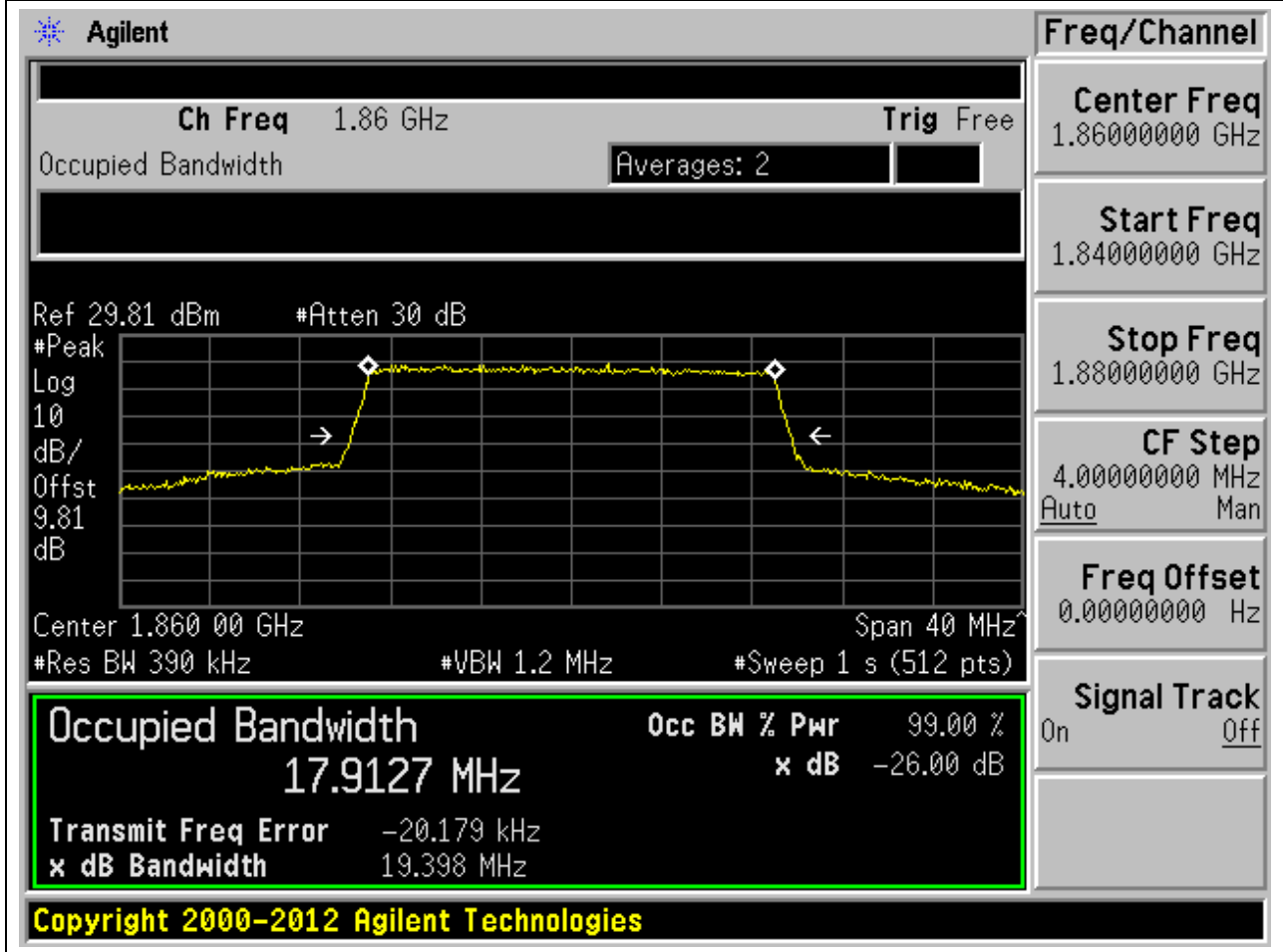
8.30. LTE Occupied Bandwidth(NTNV)(Subtest:30, Channel:19125, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)

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	13.46	14.73	15	Pass



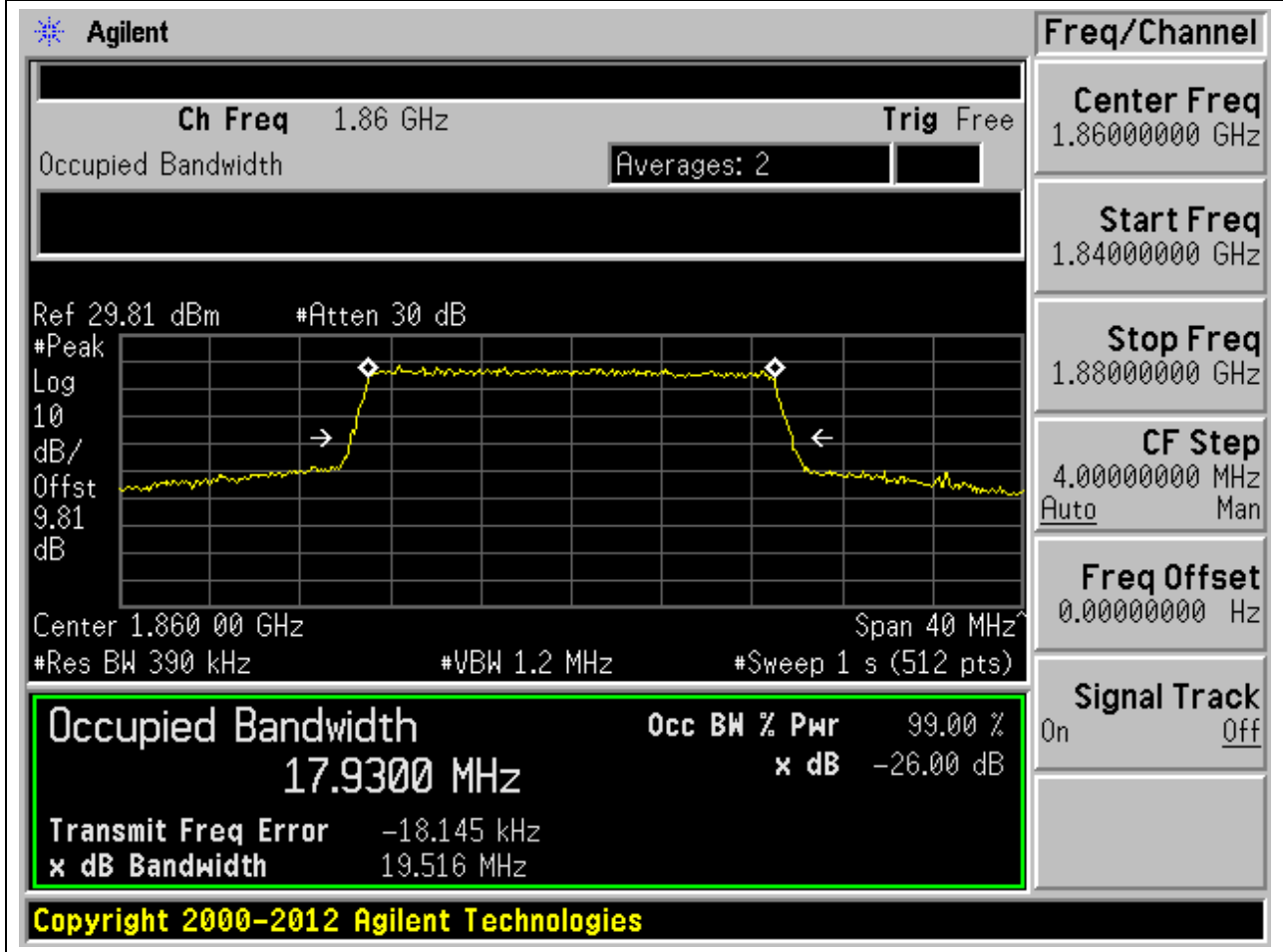
8.31. LTE Occupied Bandwidth(NTNV)(Subtest:31, Channel:18700, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)

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	17.91	19.4	20	Pass



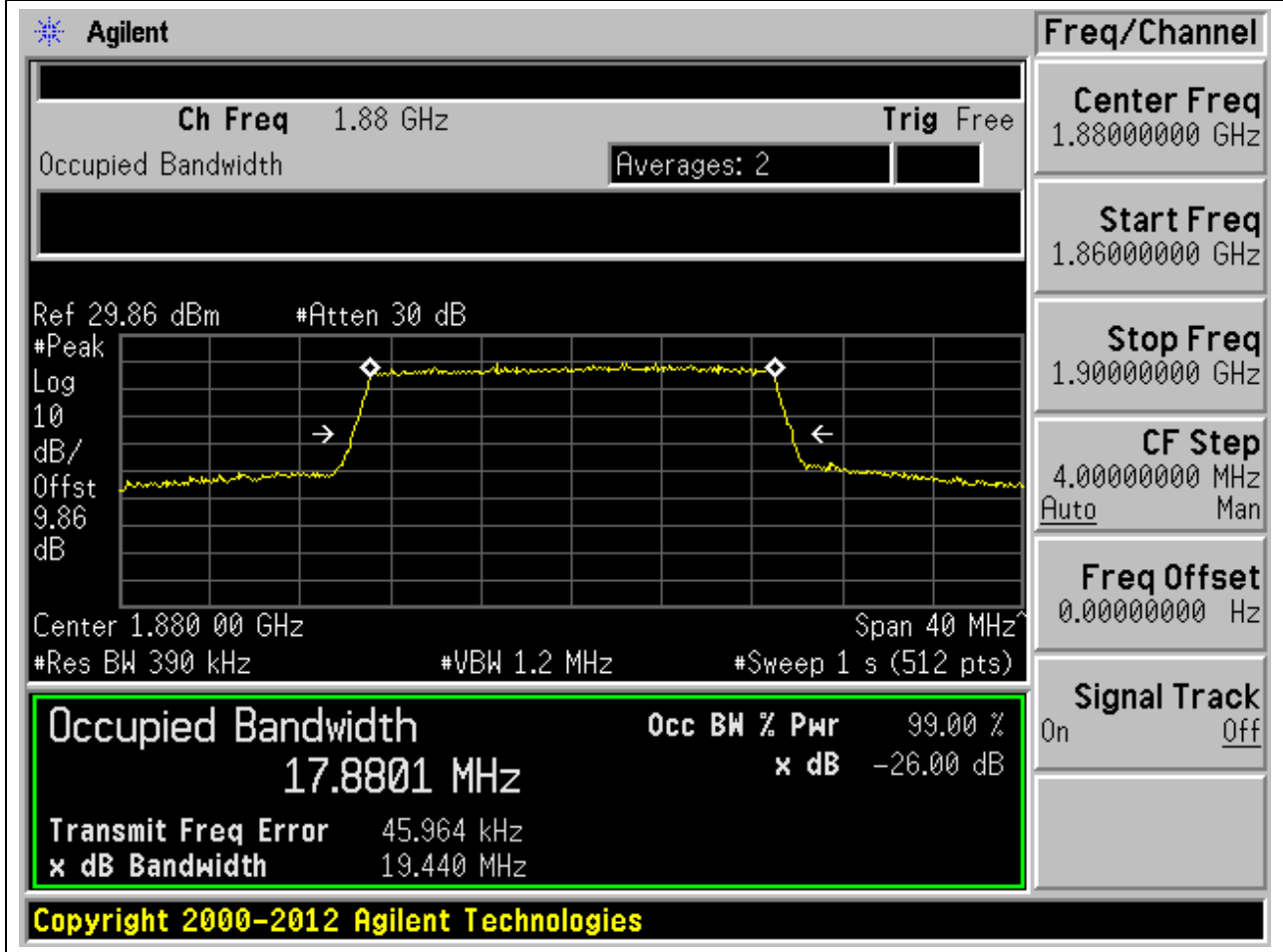
8.32. LTE Occupied Bandwidth(NTNV)(Subtest:32, Channel:18700, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)

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	17.93	19.52	20	Pass



8.33. 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	17.88	19.44	20	Pass



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

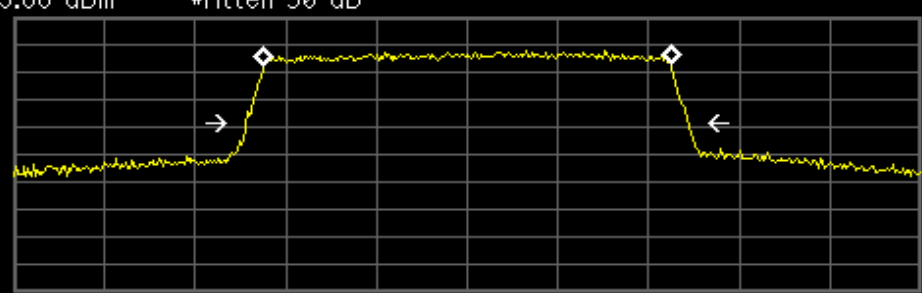
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	0.39	Peak	17.87	19.47	20	Pass

Agilent
Freq/Channel

Ch Freq 1.88 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.86 dBm #Atten 30 dB



Center 1.880 00 GHz Span 40 MHz

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

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

Occupied Bandwidth

17.8725 MHz

Transmit Freq Error 1.237 kHz

x dB Bandwidth 19.468 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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8.35. 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	17.99	19.71	20	Pass

Agilent
Freq/Channel

Ch Freq 1.9 GHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Center Freq
1.90000000 GHz

Start Freq
1.88000000 GHz

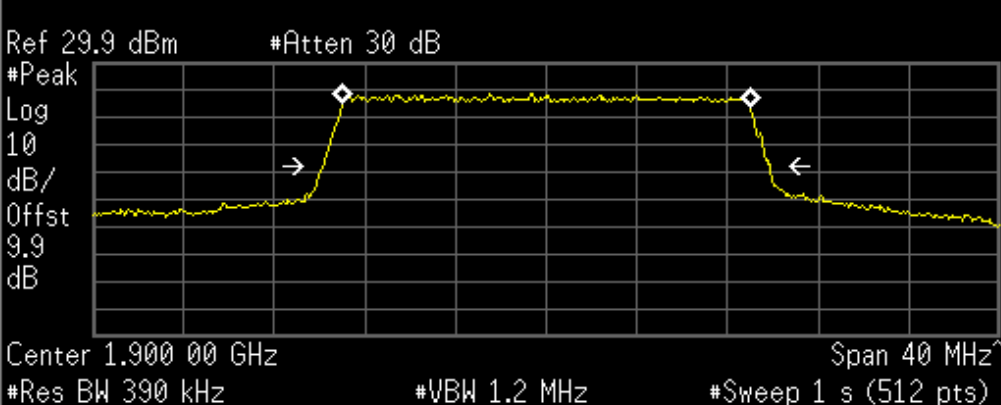
Stop Freq
1.92000000 GHz

CF Step
4.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Ref 29.9 dBm #Atten 30 dB



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

17.9877 MHz **x dB** -26.00 dB

Transmit Freq Error -33.161 kHz

x dB Bandwidth 19.713 MHz

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

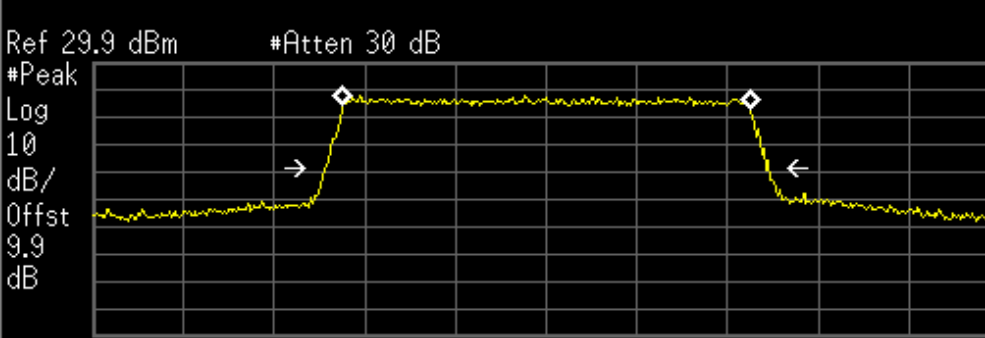
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1900	99	26	0.39	Peak	17.94	19.58	20	Pass

Agilent
Freq/Channel

Ch Freq 1.9 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.9 dBm #Atten 30 dB



Center 1.900 00 GHz Span 40 MHz

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

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

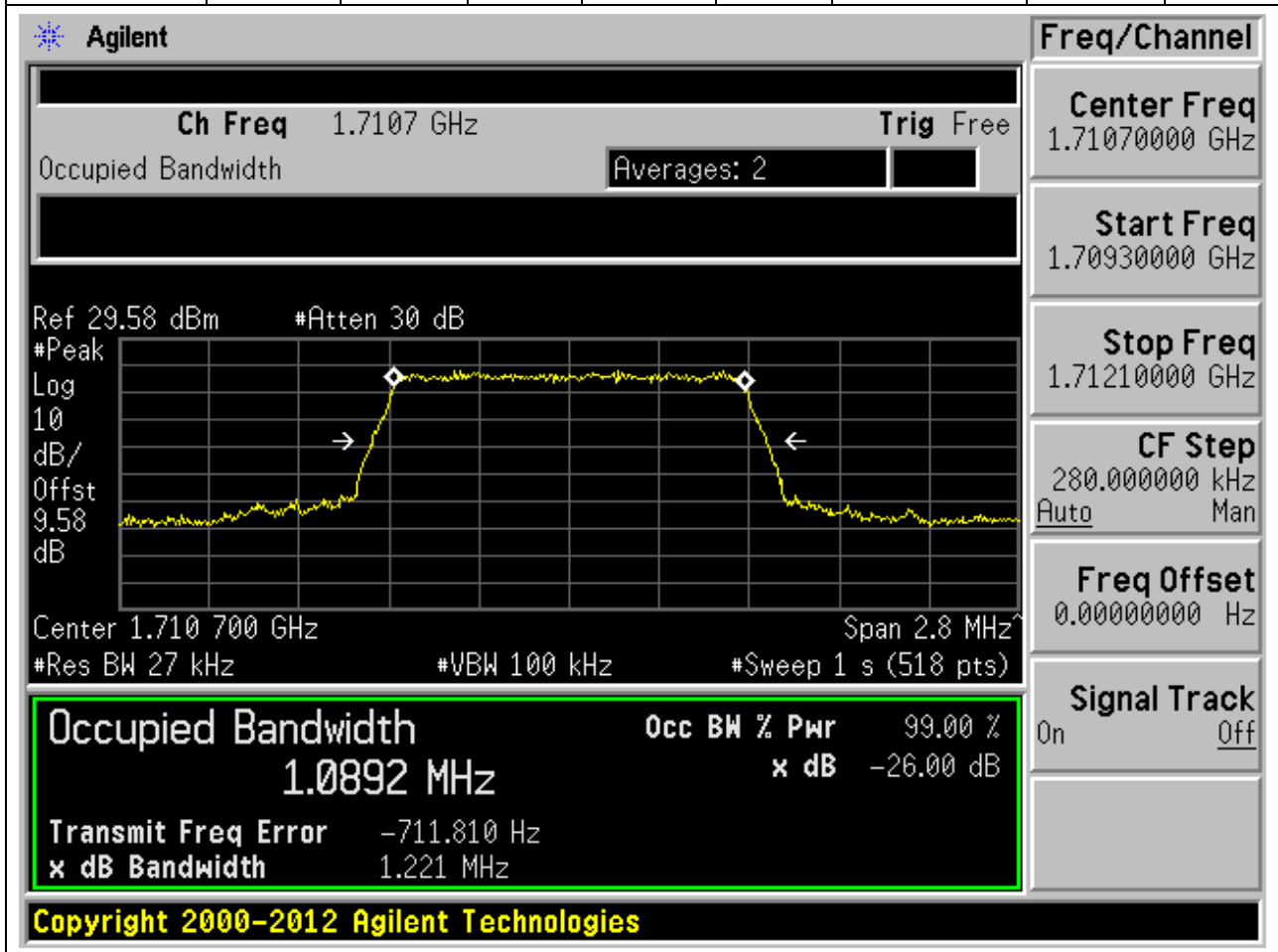
Occupied Bandwidth	Occ BW % Pwr 99.00 %
17.9441 MHz	x dB -26.00 dB
Transmit Freq Error 1.014 kHz	
x dB Bandwidth 19.585 MHz	

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9. LTE_Band4

9.1. LTE Occupied Bandwidth(NTNV)(Subtest:1, Channel:19957, 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
1710.7	99	26	0.027	Peak	1.09	1.22	1.4	Pass



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

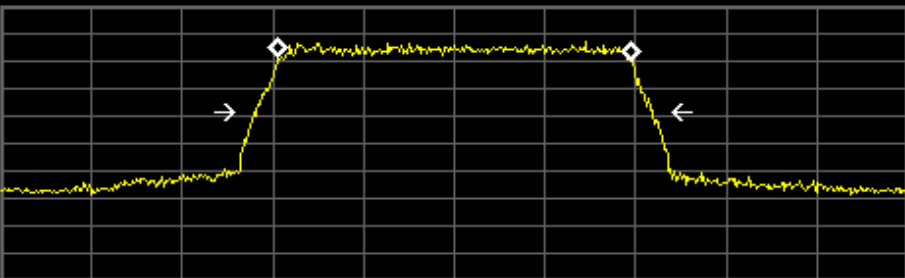
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1710.7	99	26	0.027	Peak	1.09	1.23	1.4	Pass

Agilent
Freq/Channel

Ch Freq 1.7107 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.58 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)

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

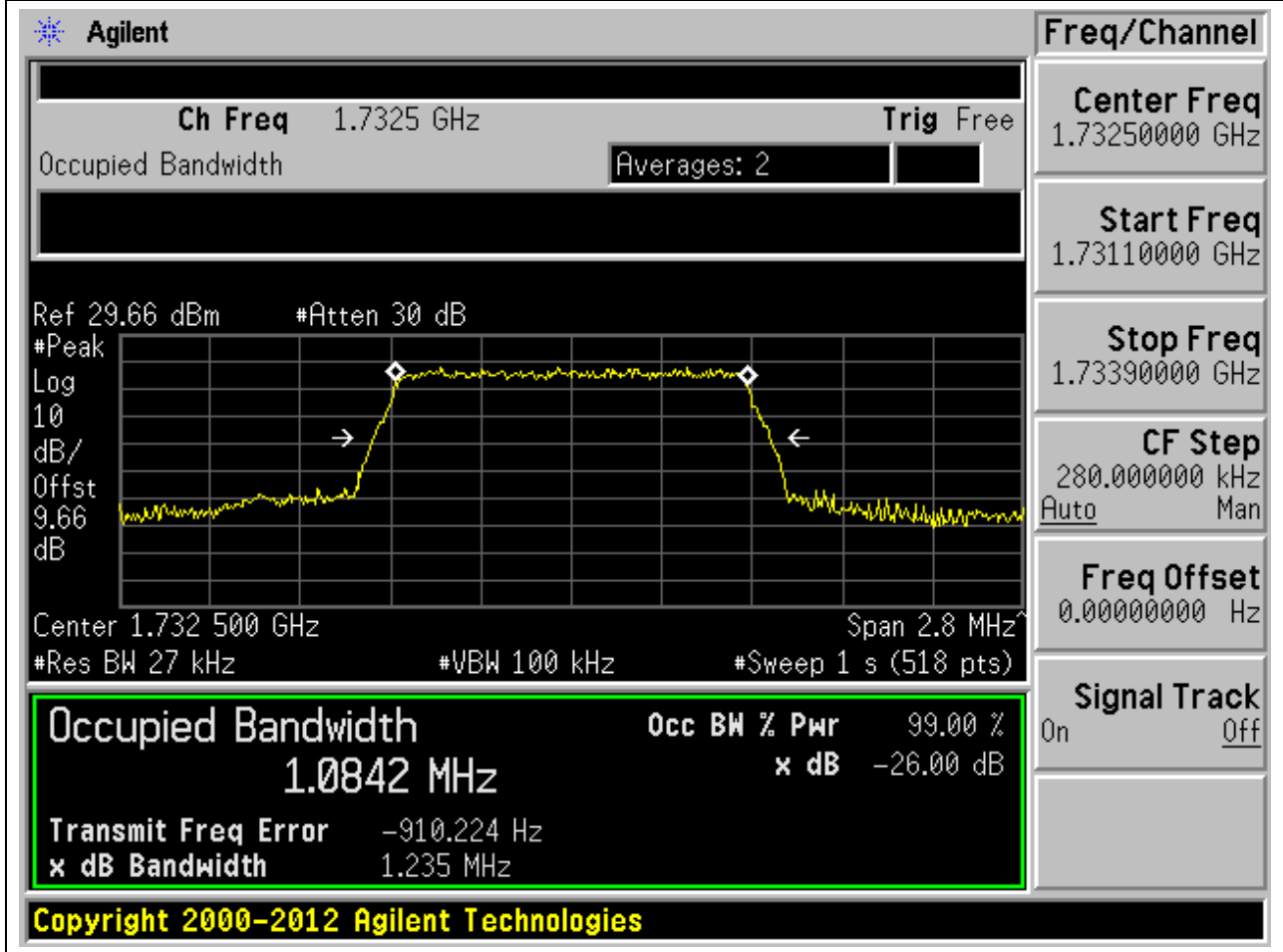
Signal Track
On Off

Occupied Bandwidth	Occ BW % Pwr 99.00 %
1.0883 MHz	x dB -26.00 dB
Transmit Freq Error 422.963 Hz	
x dB Bandwidth 1.229 MHz	

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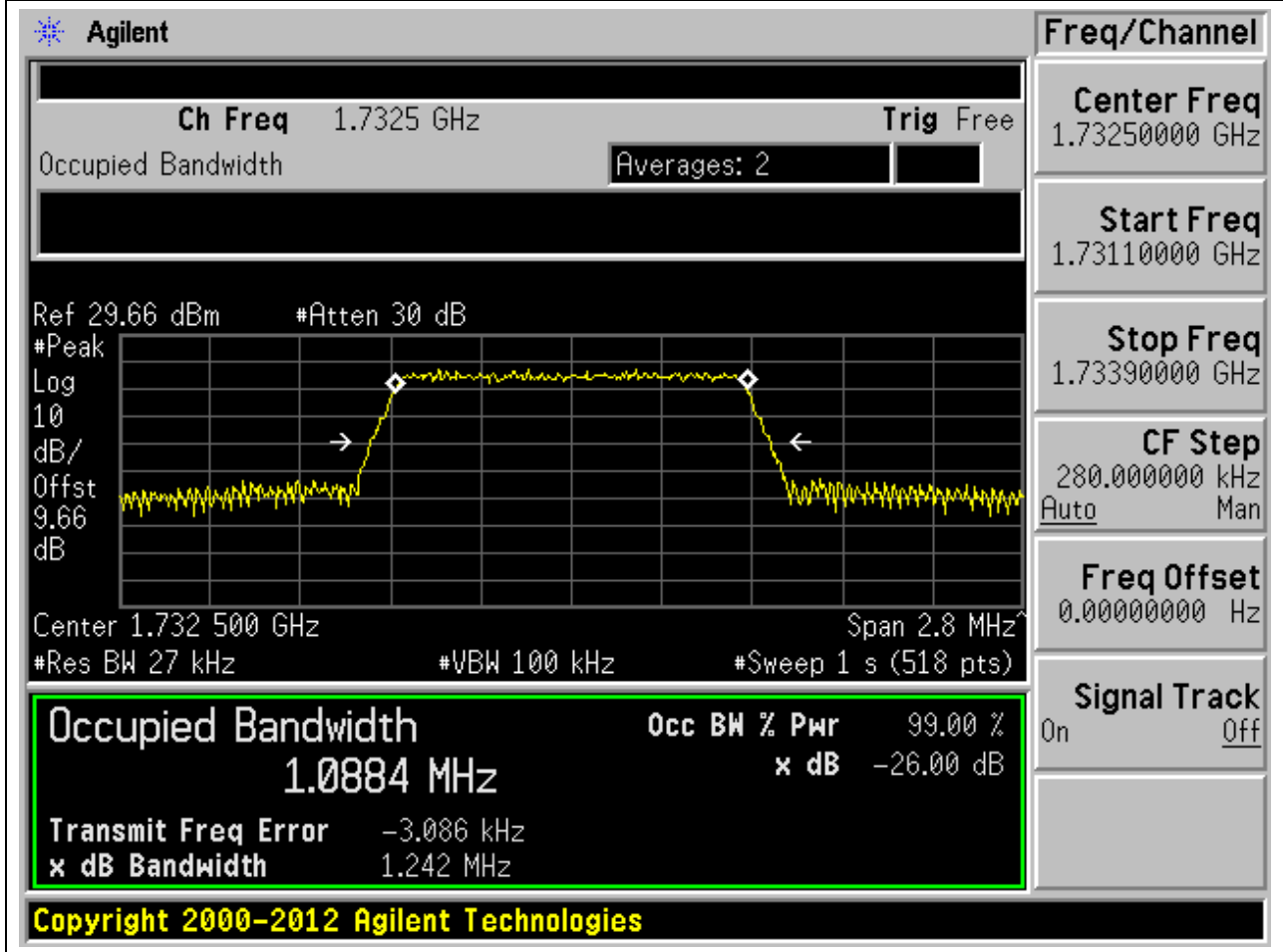
9.3. LTE Occupied Bandwidth(NTNV)(Subtest:3, Channel:20175, Bandwidth:1.4, Modulation:QPSK, RB Number: 6, RB Position:LOW)

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	1.08	1.24	1.4	Pass



9.4. LTE Occupied Bandwidth(NTNV)(Subtest:4, Channel:20175, 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
1732.5	99	26	0.027	Peak	1.09	1.24	1.4	Pass



9.5. 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	1.08	1.24	1.4	Pass

Agilent
Freq/Channel

Ch Freq 1.7543 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.67 dBm #Atten 30 dB

#Peak

Log

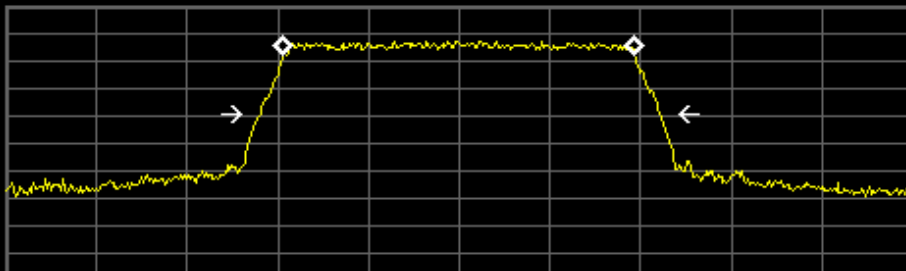
10

dB/

Offst

9.67

dB



Center 1.754 300 GHz Span 2.8 MHz

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

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 %

1.0836 MHz x dB -26.00 dB

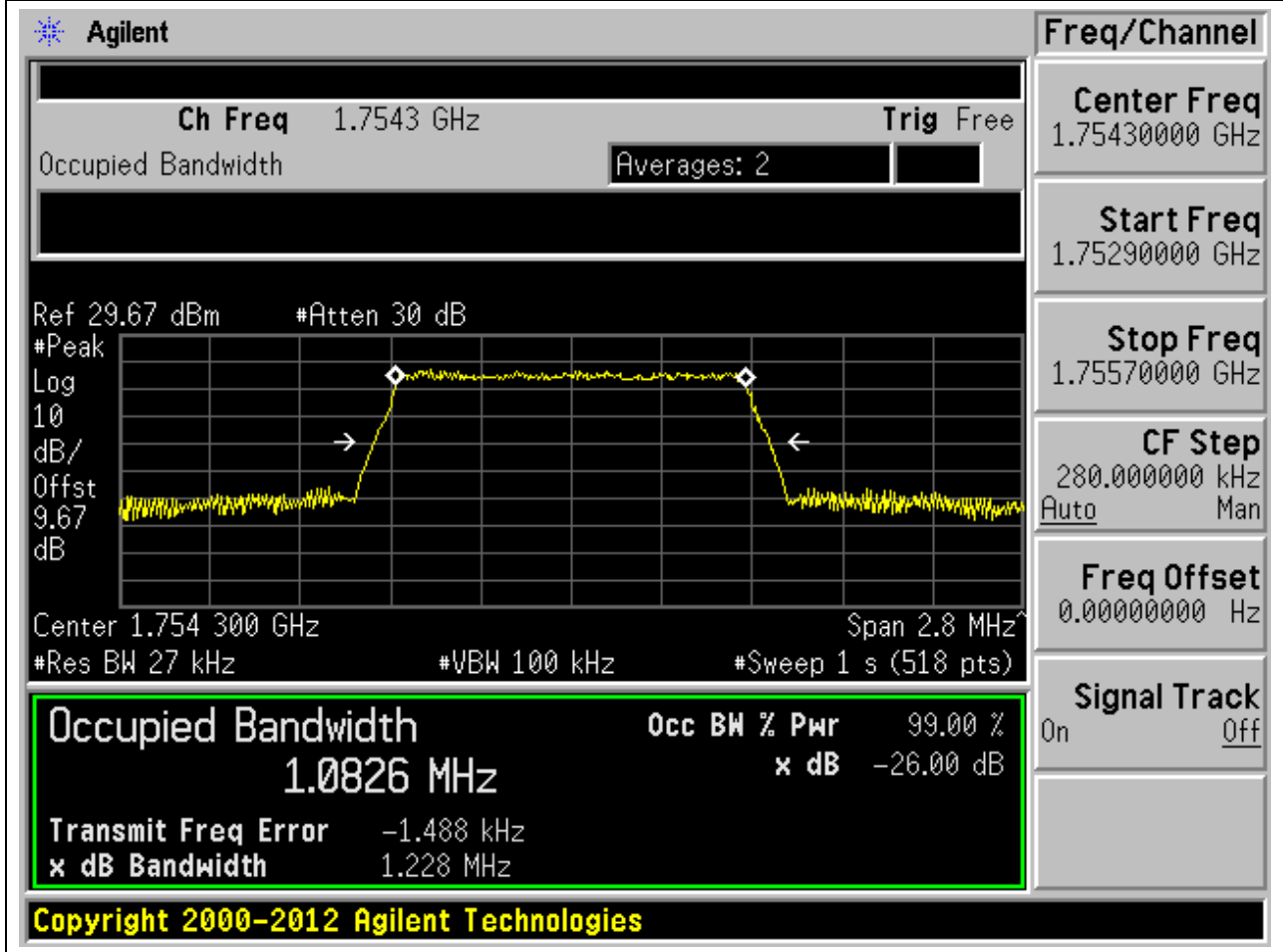
Transmit Freq Error -1.574 kHz

x dB Bandwidth 1.236 MHz

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9.6. 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	1.08	1.23	1.4	Pass



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

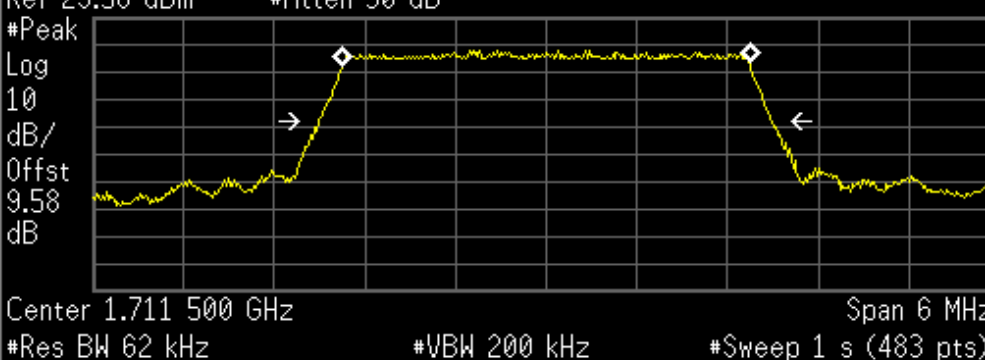
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1711.5	99	26	0.062	Peak	2.7	3	3	Pass

Agilent
Freq/Channel

Ch Freq 1.7115 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.58 dBm #Atten 30 dB



Center 1.711 500 GHz Span 6 MHz

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

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 %
2.6972 MHz	x dB -26.00 dB
Transmit Freq Error -2.154 kHz	
x dB Bandwidth 3.002 MHz	

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9.8. 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	2.7	3.01	3	Pass

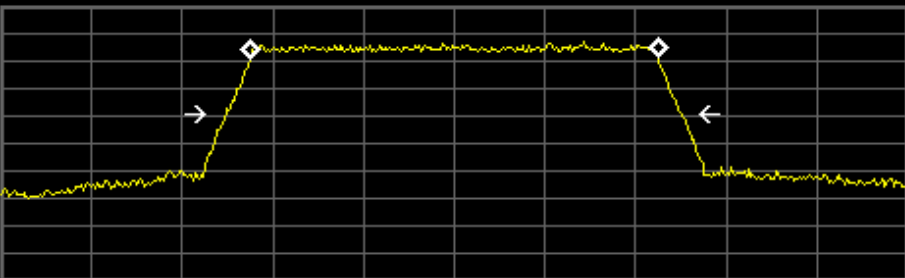
Agilent
Freq/Channel

Ch Freq 1.7115 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.58 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 9.58 dB



Center 1.711 500 GHz Span 6 MHz

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

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 %
2.6952 MHz	x dB -26.00 dB
Transmit Freq Error -2.562 kHz	
x dB Bandwidth 3.009 MHz	

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9.9. 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	2.7	3.01	3	Pass

Agilent
Freq/Channel

Ch Freq 1.7325 GHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Center Freq
1.73250000 GHz

Start Freq
1.72950000 GHz

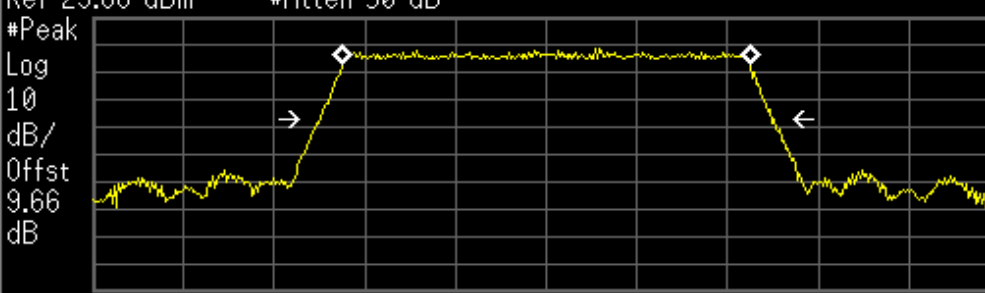
Stop Freq
1.73550000 GHz

CF Step
600.000000 kHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Ref 29.66 dBm #Atten 30 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 %
2.7003 MHz	x dB -26.00 dB
Transmit Freq Error -687.994 Hz	
x dB Bandwidth 3.009 MHz	

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

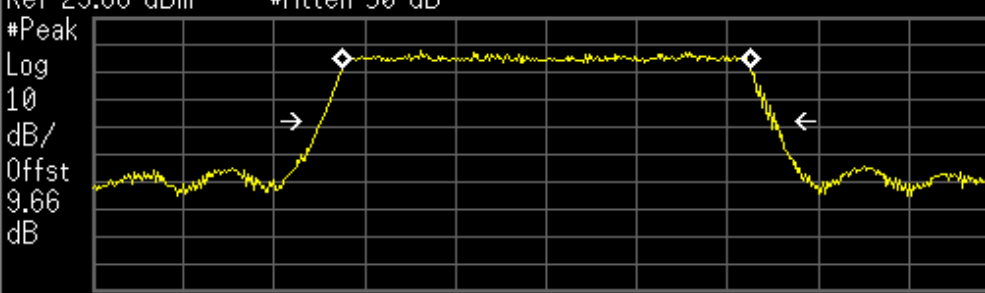
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1732.5	99	26	0.062	Peak	2.7	3	3	Pass

Agilent
Freq/Channel

Ch Freq 1.7325 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.66 dBm #Atten 30 dB



Center 1.732 500 GHz Span 6 MHz

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

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
2.7049 MHz	x dB	-26.00 dB
Transmit Freq Error	-625.488 Hz	
x dB Bandwidth	3.002 MHz	

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

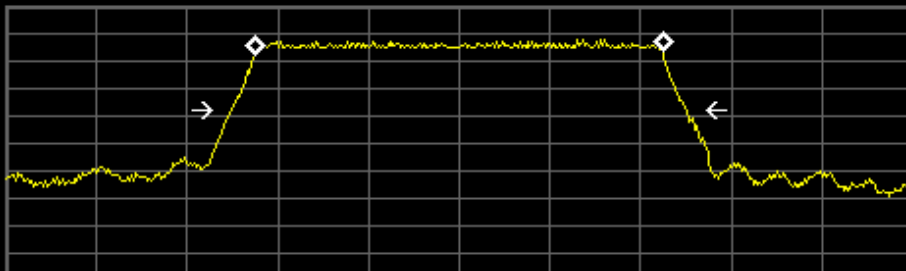
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1753.5	99	26	0.062	Peak	2.7	3.02	3	Pass

Agilent
Freq/Channel

Ch Freq 1.7535 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.67 dBm #Atten 30 dB



Center 1.753 500 GHz Span 6 MHz

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

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 %
2.7003 MHz	x dB -26.00 dB
Transmit Freq Error -4.588 kHz	
x dB Bandwidth 3.017 MHz	

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

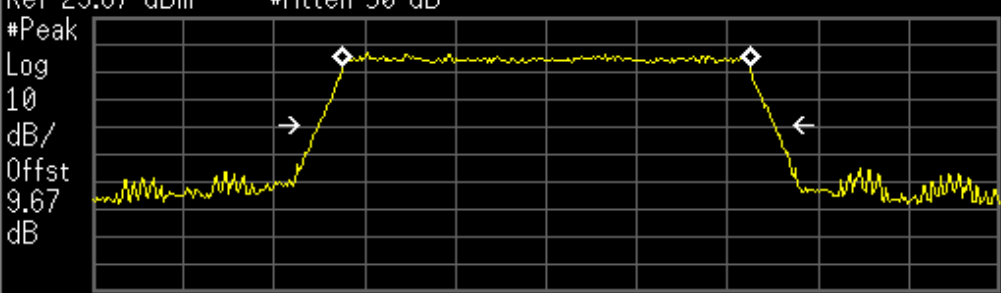
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1753.5	99	26	0.062	Peak	2.7	3.01	3	Pass

Agilent
Freq/Channel

Ch Freq 1.7535 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.67 dBm #Atten 30 dB



Center 1.753 500 GHz Span 6 MHz

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

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

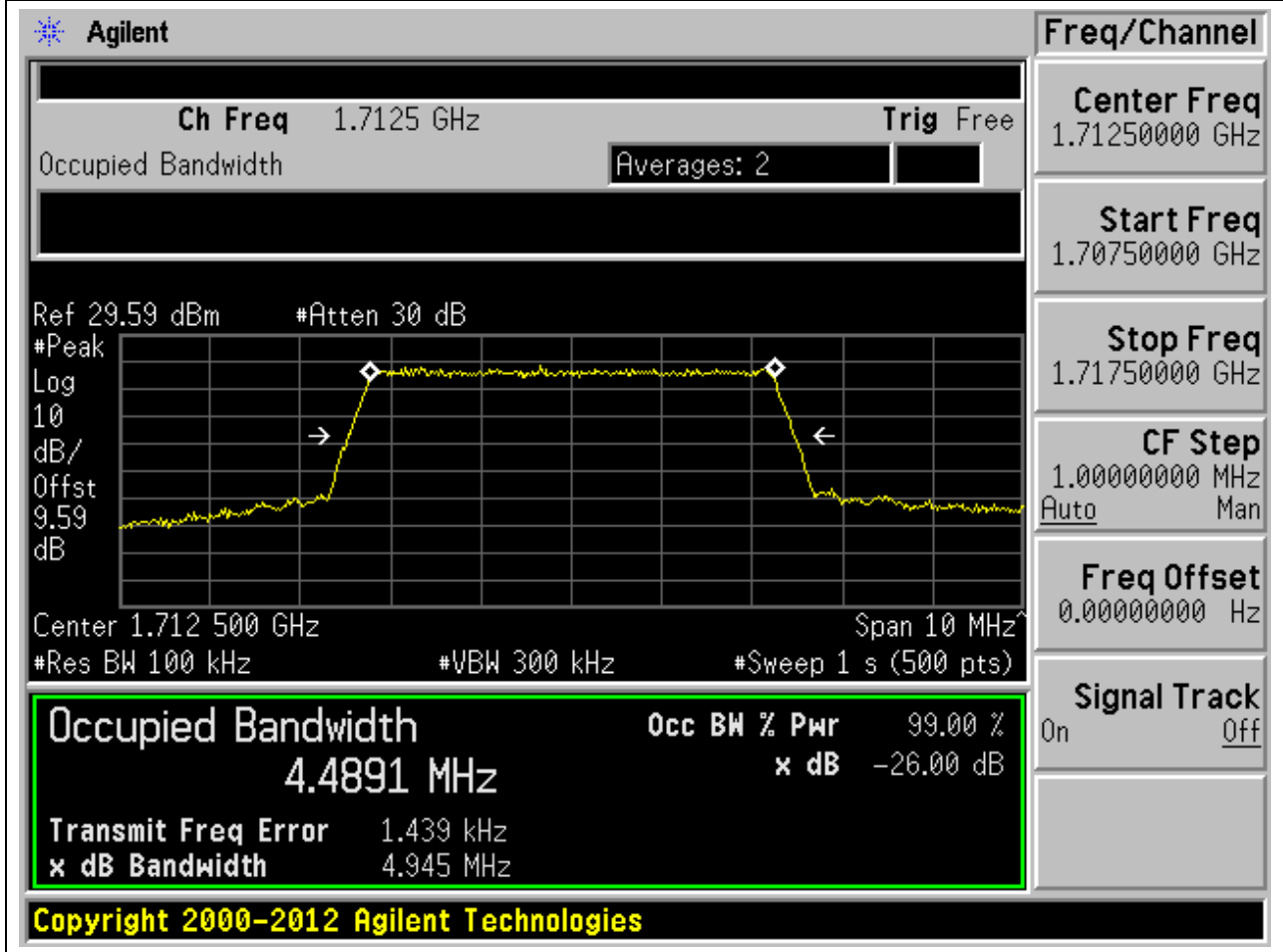
Signal Track
On Off

Occupied Bandwidth	Occ BW % Pwr 99.00 %
2.7011 MHz	x dB -26.00 dB
Transmit Freq Error -2.603 kHz	
x dB Bandwidth 3.008 MHz	

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9.13. 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	4.49	4.95	5	Pass



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

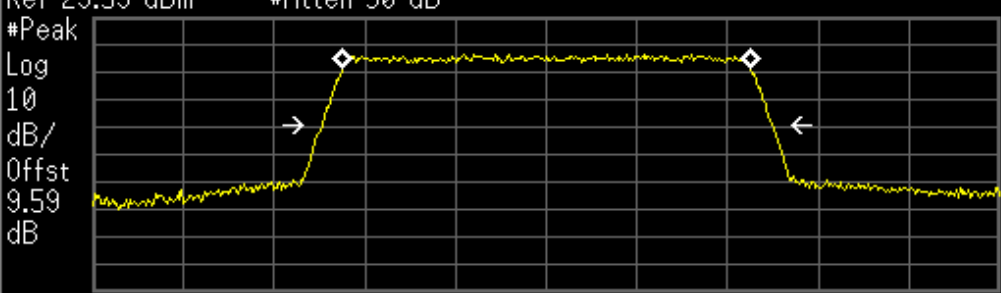
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1712.5	99	26	0.1	Peak	4.5	4.98	5	Pass

Agilent
Freq/Channel

Ch Freq 1.7125 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.59 dBm #Atten 30 dB



Center 1.712 500 GHz Span 10 MHz

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

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 %
4.4984 MHz	x dB -26.00 dB
Transmit Freq Error 3.517 kHz	
x dB Bandwidth 4.976 MHz	

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9.15. 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	4.51	4.99	5	Pass

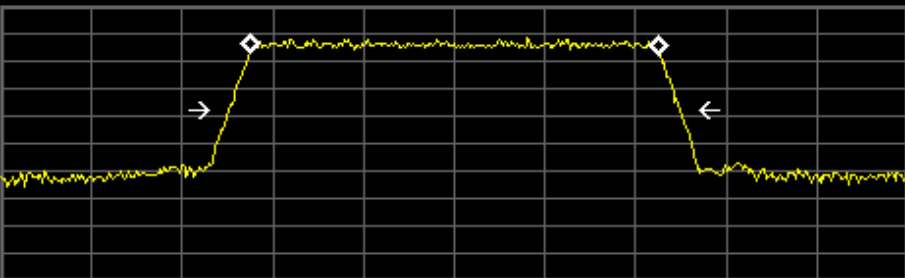
Agilent
Freq/Channel

Ch Freq 1.7325 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.66 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 9.66 dB



Center 1.732 500 GHz Span 10 MHz

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

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 %
4.5092 MHz	x dB -26.00 dB
Transmit Freq Error 96.496 Hz	
x dB Bandwidth 4.988 MHz	

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9.16. LTE Occupied Bandwidth(NTNV)(Subtest:16, Channel:20175, 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
1732.5	99	26	0.1	Peak	4.5	4.92	5	Pass

Agilent
Freq/Channel

Ch Freq 1.7325 GHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Center Freq
1.73250000 GHz

Start Freq
1.72750000 GHz

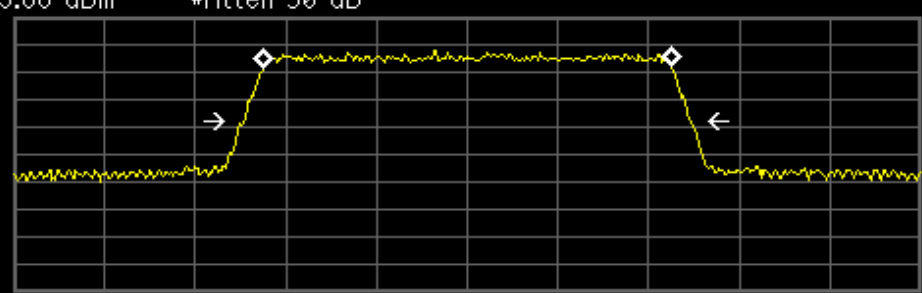
Stop Freq
1.73750000 GHz

CF Step
1.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Ref 29.66 dBm #Atten 30 dB



Center 1.732 500 GHz Span 10 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
4.5003 MHz	x dB -26.00 dB
Transmit Freq Error -1.809 kHz	
x dB Bandwidth 4.918 MHz	

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9.17. LTE Occupied Bandwidth(NTNV)(Subtest:17, Channel:20375, 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
1752.5	99	26	0.1	Peak	4.5	4.98	5	Pass

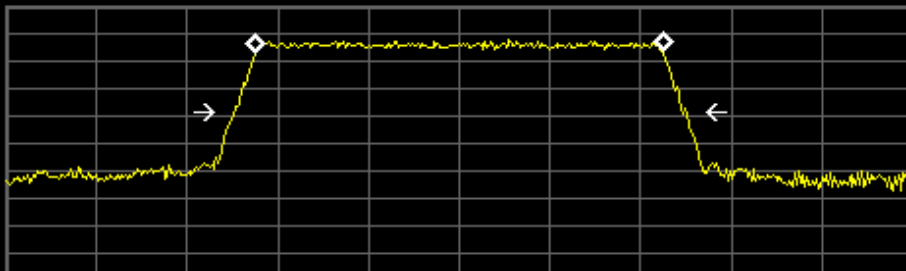
Agilent
Freq/Channel

Ch Freq 1.7525 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.68 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 9.68 dB



Center 1.752 500 GHz Span 10 MHz

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

Center Freq 1.75250000 GHz

Start Freq 1.74750000 GHz

Stop Freq 1.75750000 GHz

CF Step 1.00000000 MHz

Freq Offset 0.00000000 Hz

Signal Track On

Occupied Bandwidth	Occ BW % Pwr 99.00 %
4.4988 MHz	x dB -26.00 dB
Transmit Freq Error -555.804 Hz	
x dB Bandwidth 4.979 MHz	

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9.18. 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	4.51	4.95	5	Pass

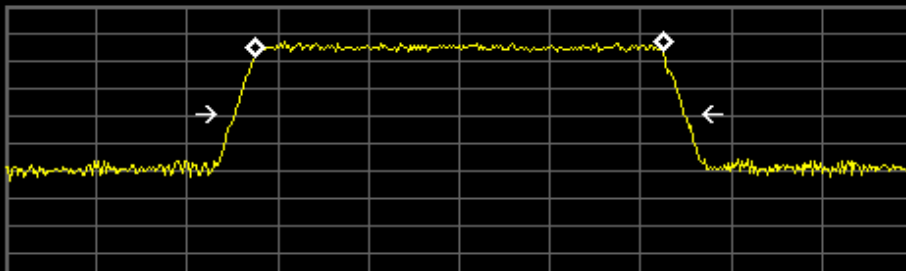
Agilent
Freq/Channel

Ch Freq 1.7525 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.68 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 9.68 dB



Center 1.752 500 GHz Span 10 MHz

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

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

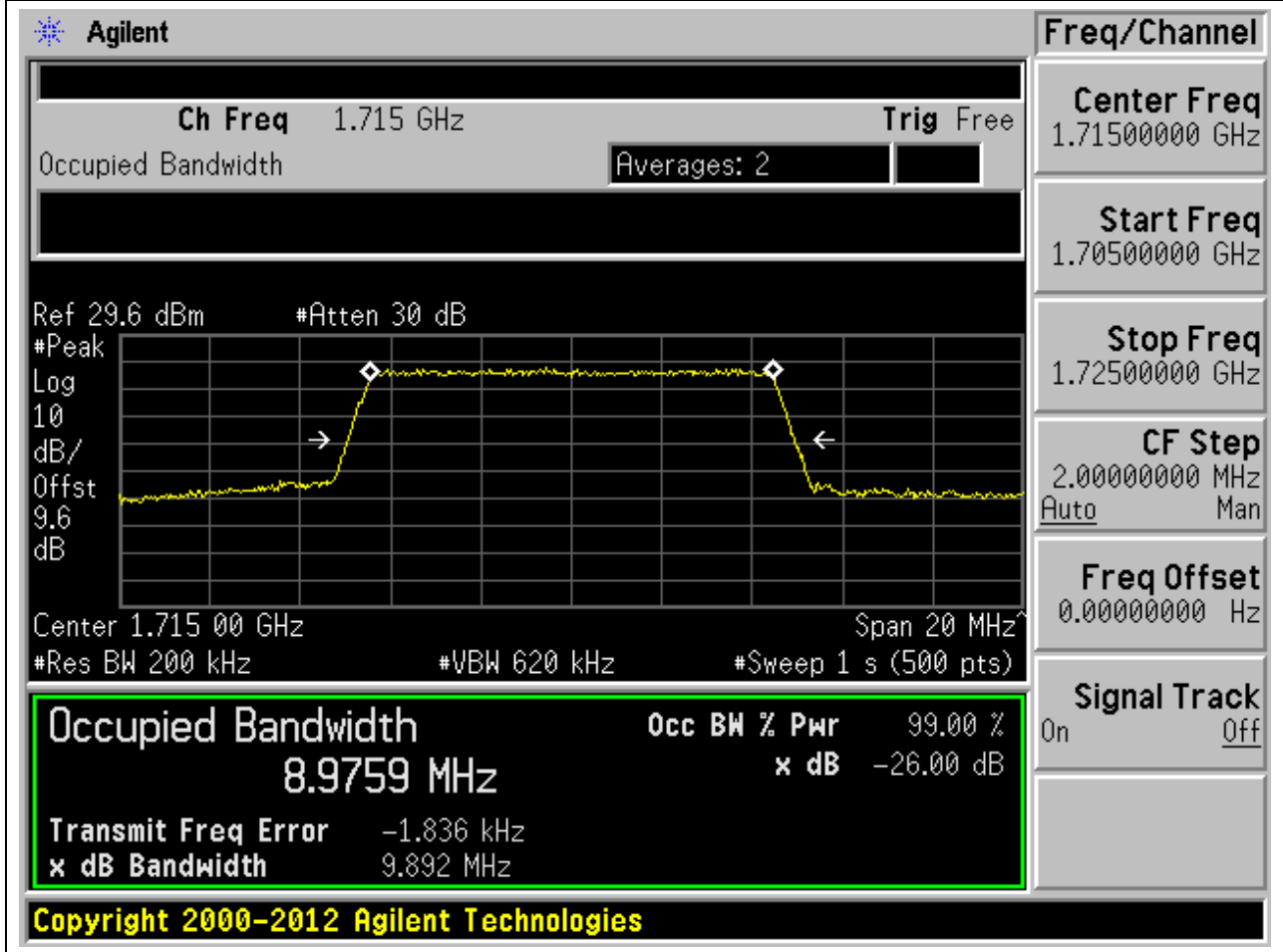
Signal Track On Off

Occupied Bandwidth	Occ BW % Pwr 99.00 %
4.5079 MHz	x dB -26.00 dB
Transmit Freq Error -1.525 kHz	
x dB Bandwidth 4.953 MHz	

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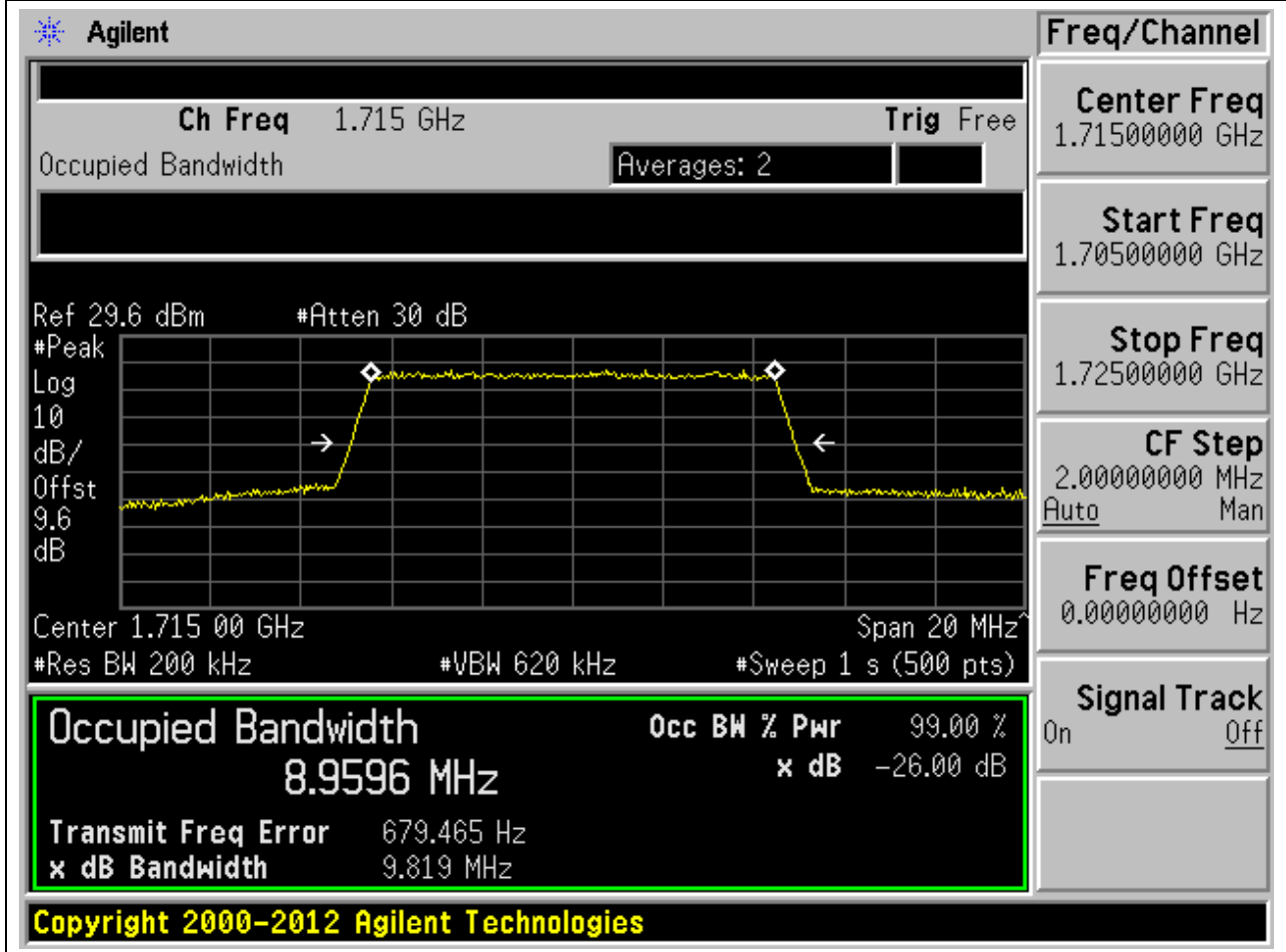
9.19. LTE Occupied Bandwidth(NTNV)(Subtest:1, Channel:20000, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)

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	8.98	9.89	10	Pass



9.20. LTE Occupied Bandwidth(NTNV)(Subtest:2, 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	8.96	9.82	10	Pass



9.21. LTE Occupied Bandwidth(NTNV)(Subtest:3, Channel:20175, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)

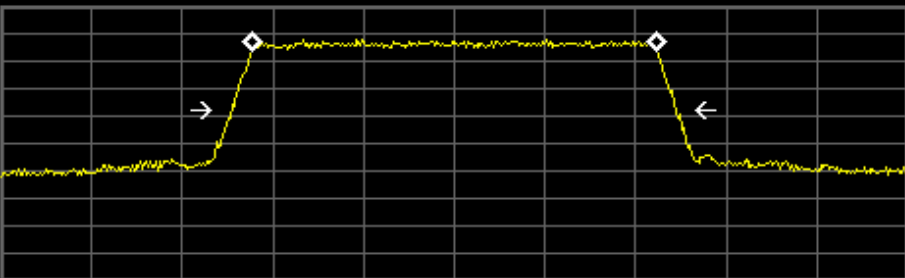
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1732.5	99	26	0.2	Peak	8.96	9.83	10	Pass

Agilent
Freq/Channel

Ch Freq 1.7325 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.66 dBm #Atten 30 dB



Center 1.732 50 GHz Span 20 MHz

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

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

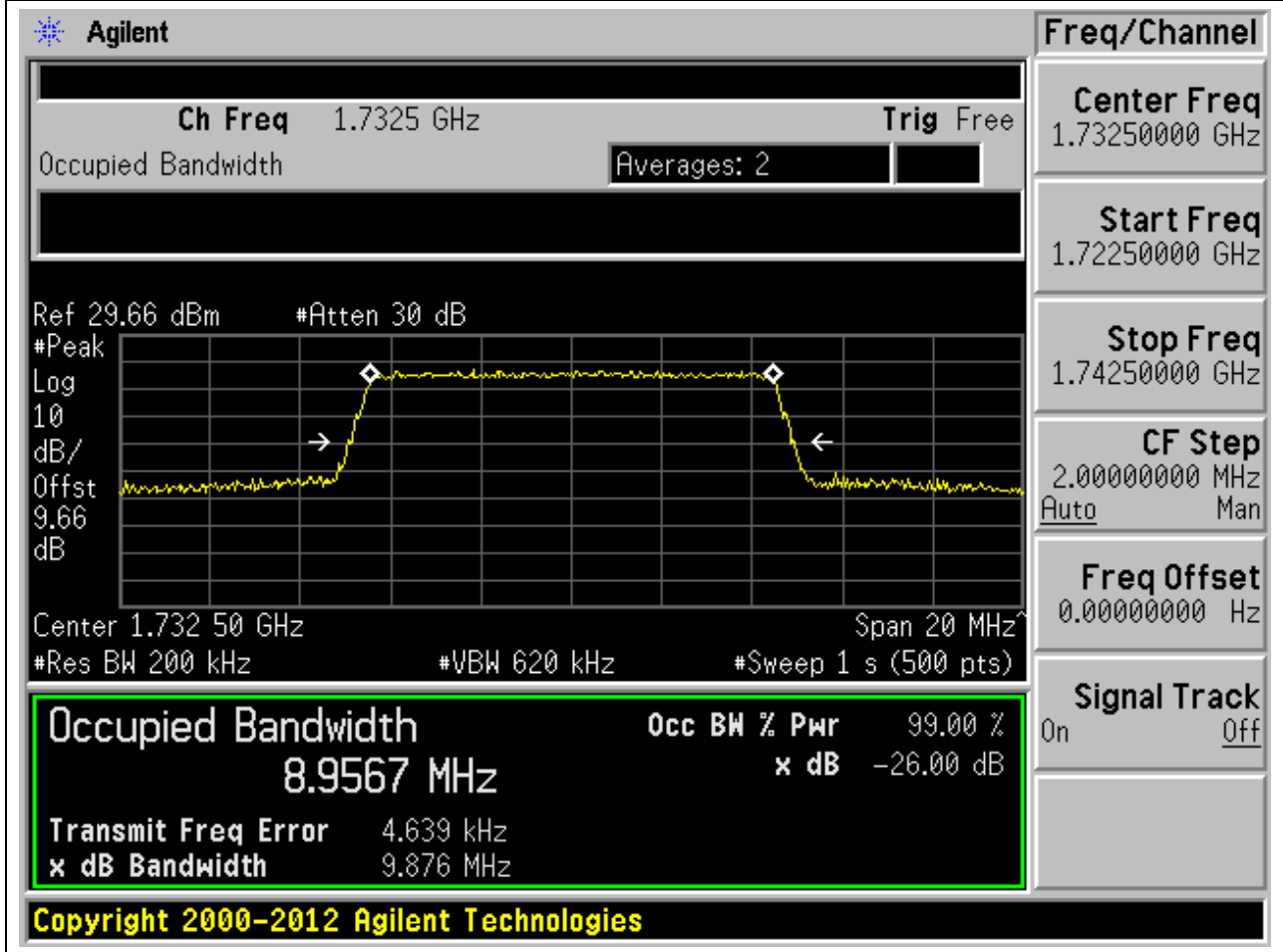
Signal Track On Off

Occupied Bandwidth	Occ BW % Pwr 99.00 %
8.9579 MHz	x dB -26.00 dB
Transmit Freq Error -3.704 kHz	
x dB Bandwidth 9.827 MHz	

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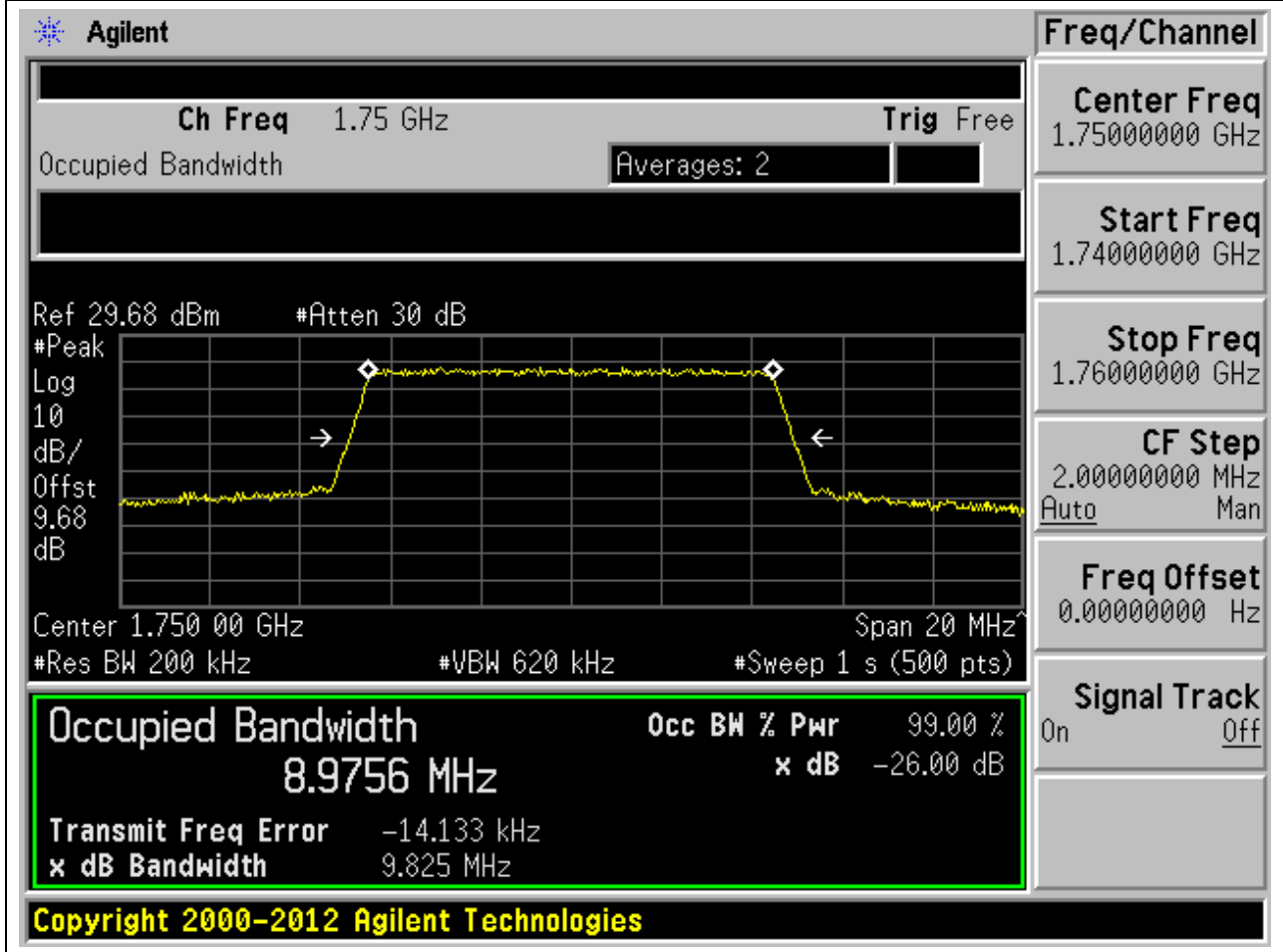
9.22. LTE Occupied Bandwidth(NTNV)(Subtest:4, Channel:20175, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1732.5	99	26	0.2	Peak	8.96	9.88	10	Pass



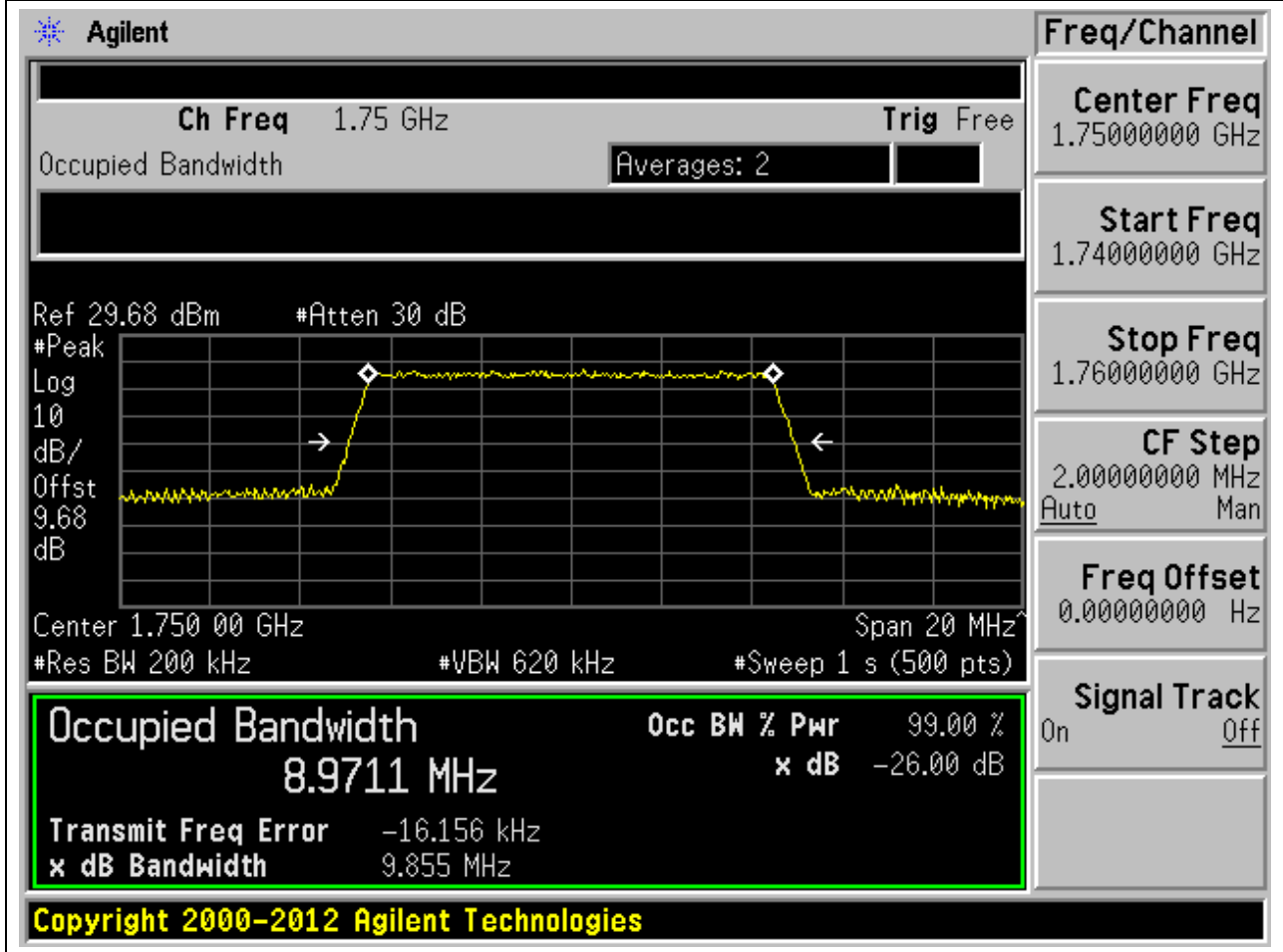
9.23. LTE Occupied Bandwidth(NTNV)(Subtest:5, Channel:20350, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)

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	8.98	9.82	10	Pass



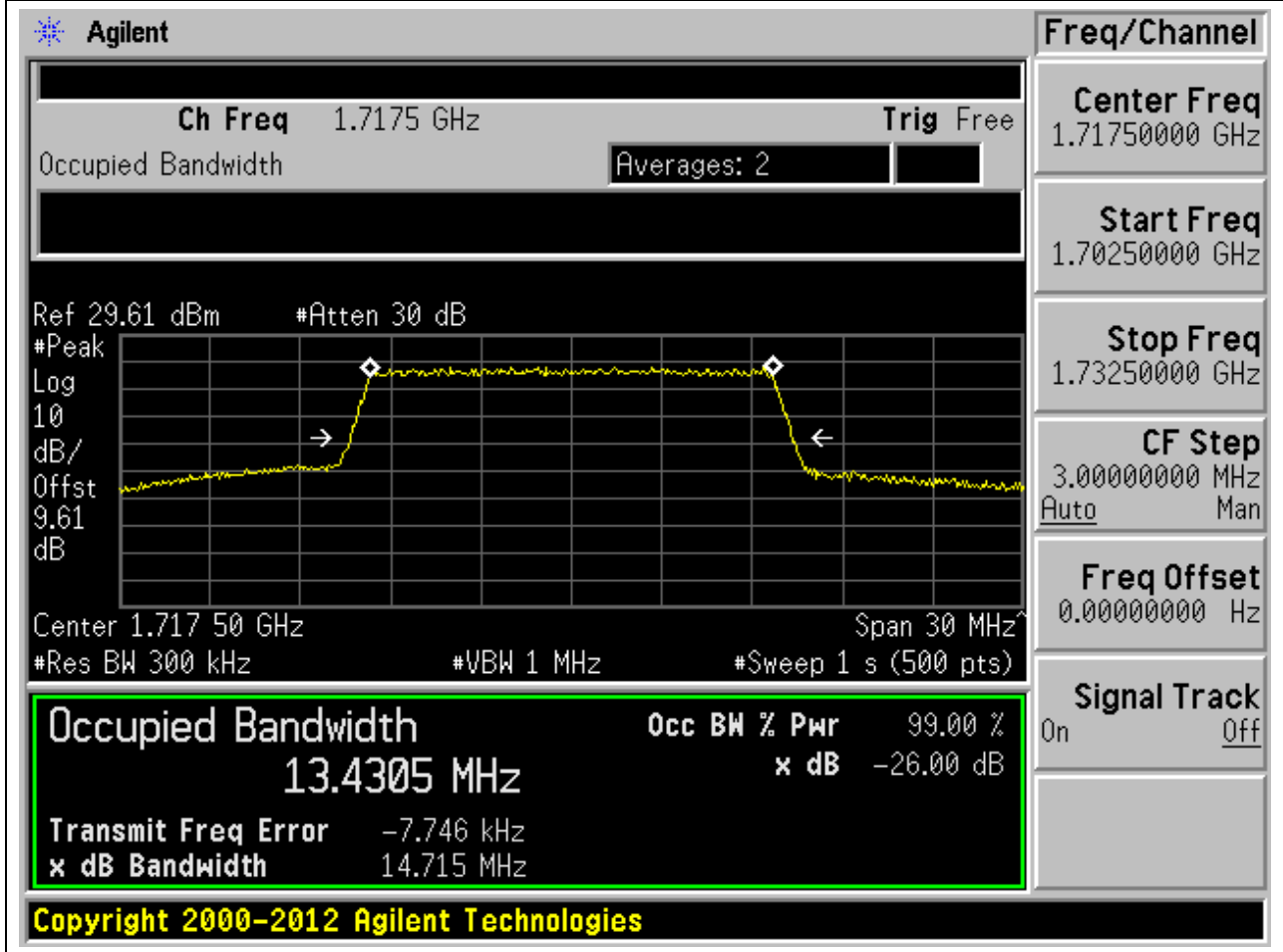
9.24. LTE Occupied Bandwidth(NTNV)(Subtest:6, Channel:20350, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)

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	8.97	9.85	10	Pass



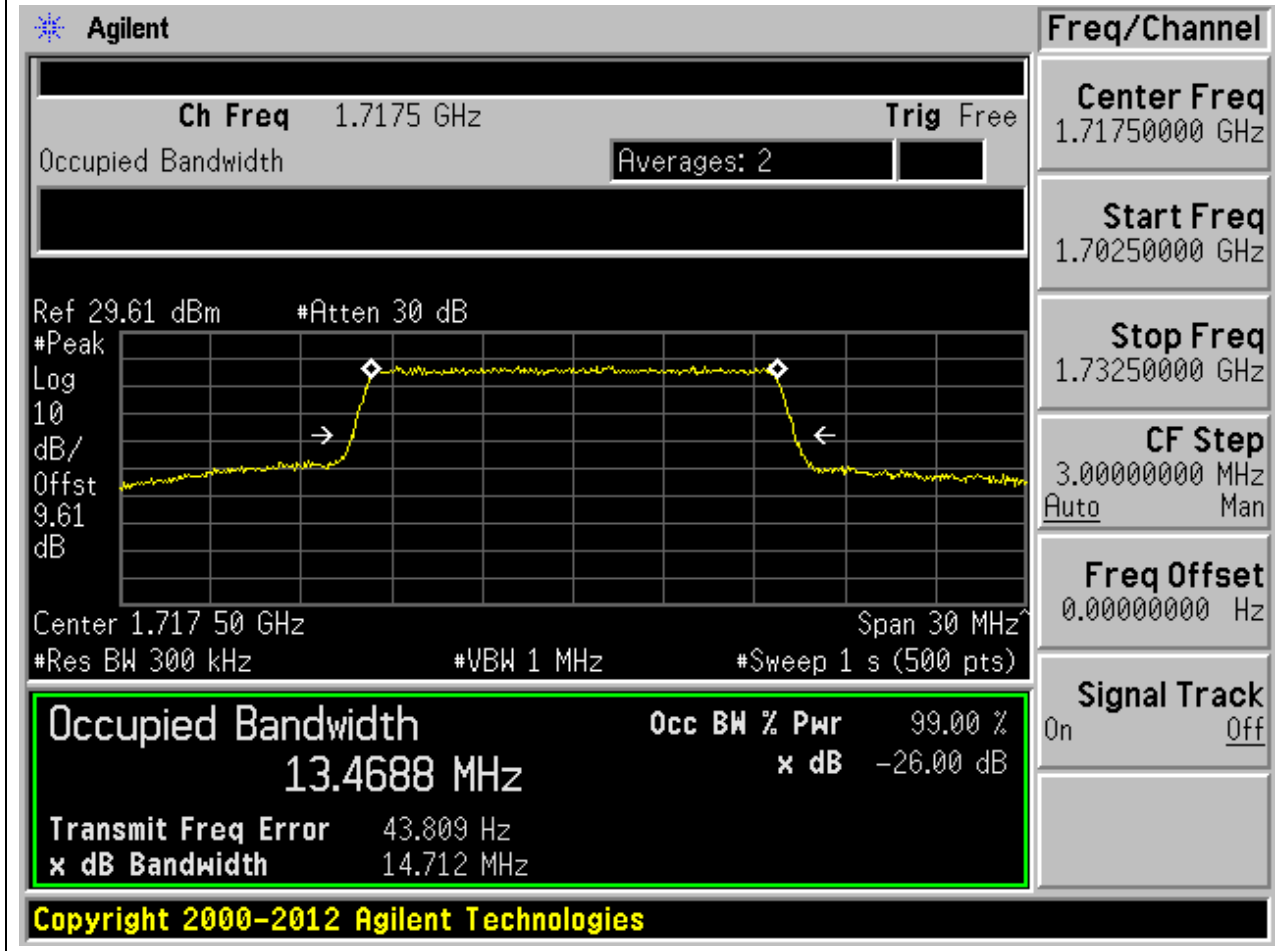
9.25. LTE Occupied Bandwidth(NTNV)(Subtest:7, Channel:20025, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)

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	13.43	14.71	15	Pass



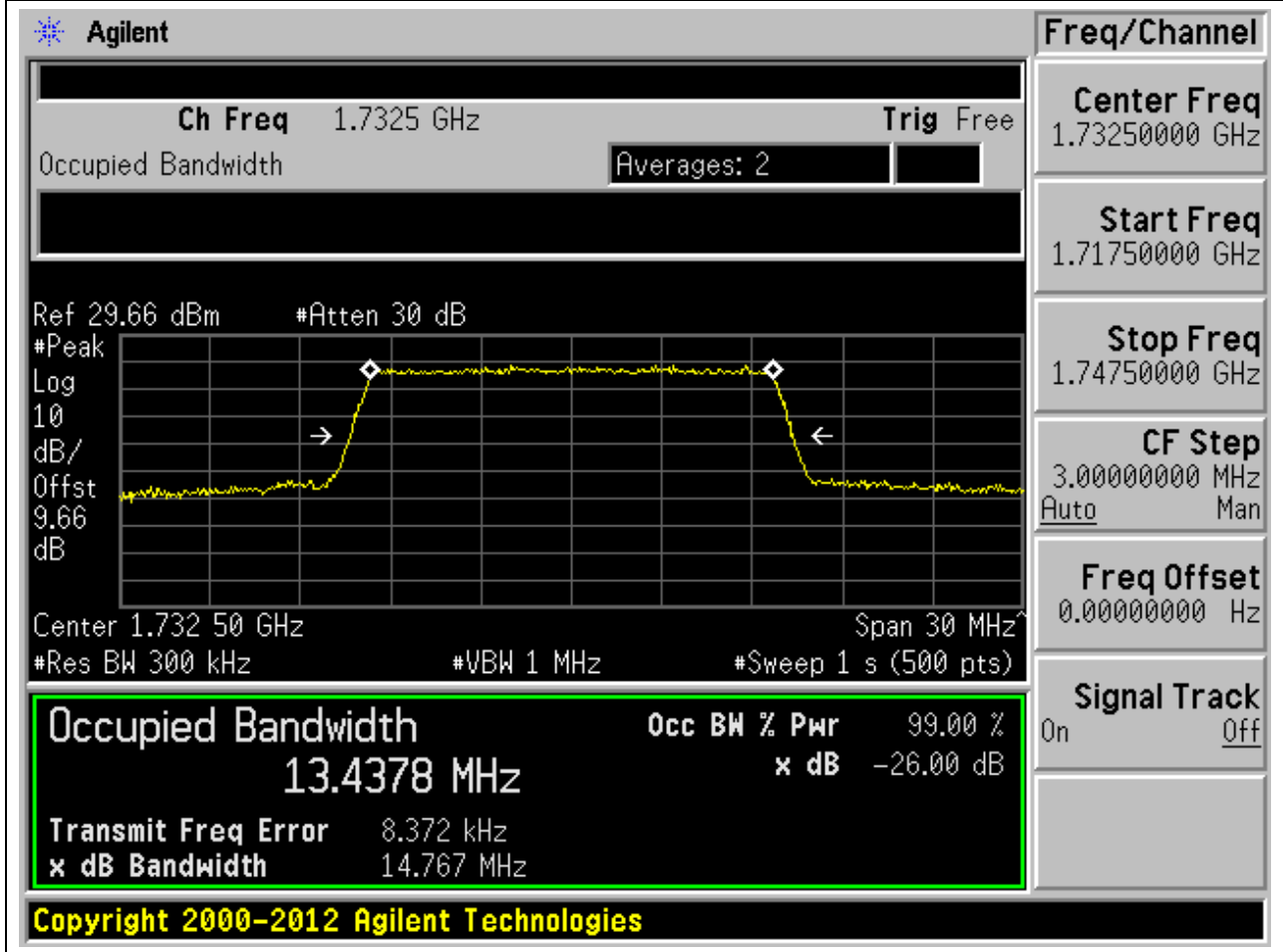
9.26. LTE Occupied Bandwidth(NTNV)(Subtest:8, Channel:20025, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)

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	13.47	14.71	15	Pass



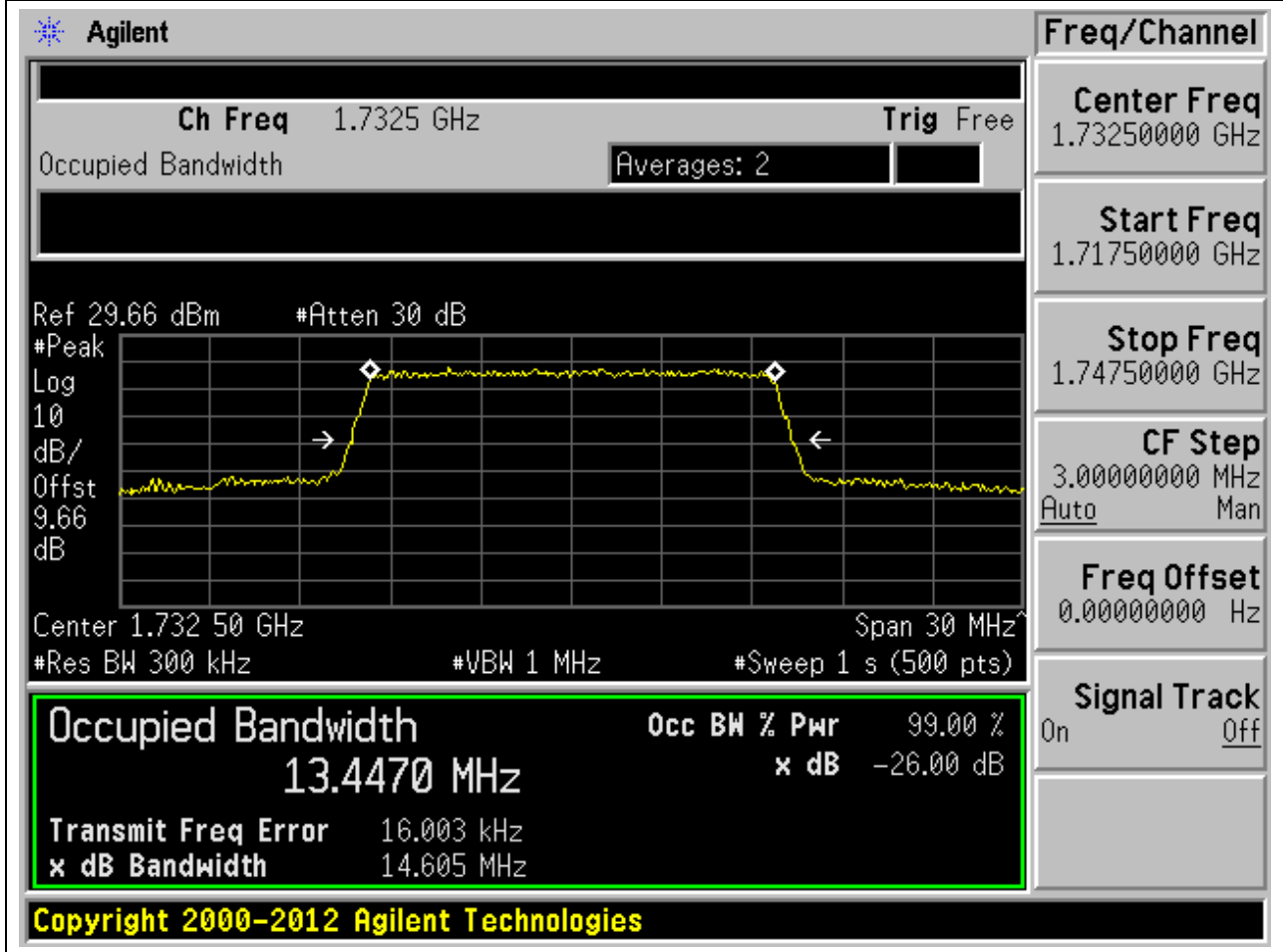
9.27. LTE Occupied Bandwidth(NTNV)(Subtest:9, Channel:20175, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)

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	13.44	14.77	15	Pass



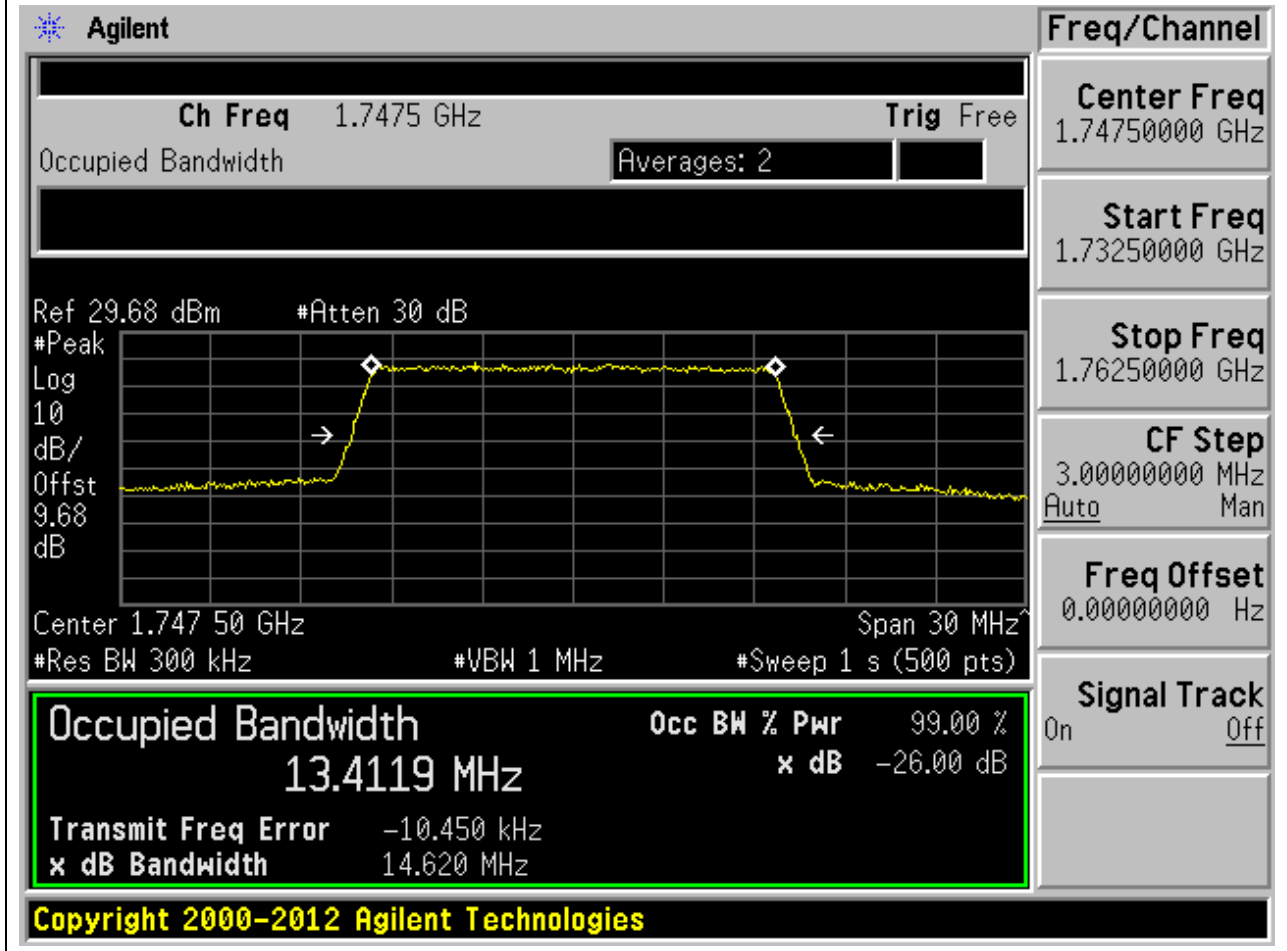
9.28. LTE Occupied Bandwidth(NTNV)(Subtest:10, Channel:20175, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1732.5	99	26	0.3	Peak	13.45	14.61	15	Pass



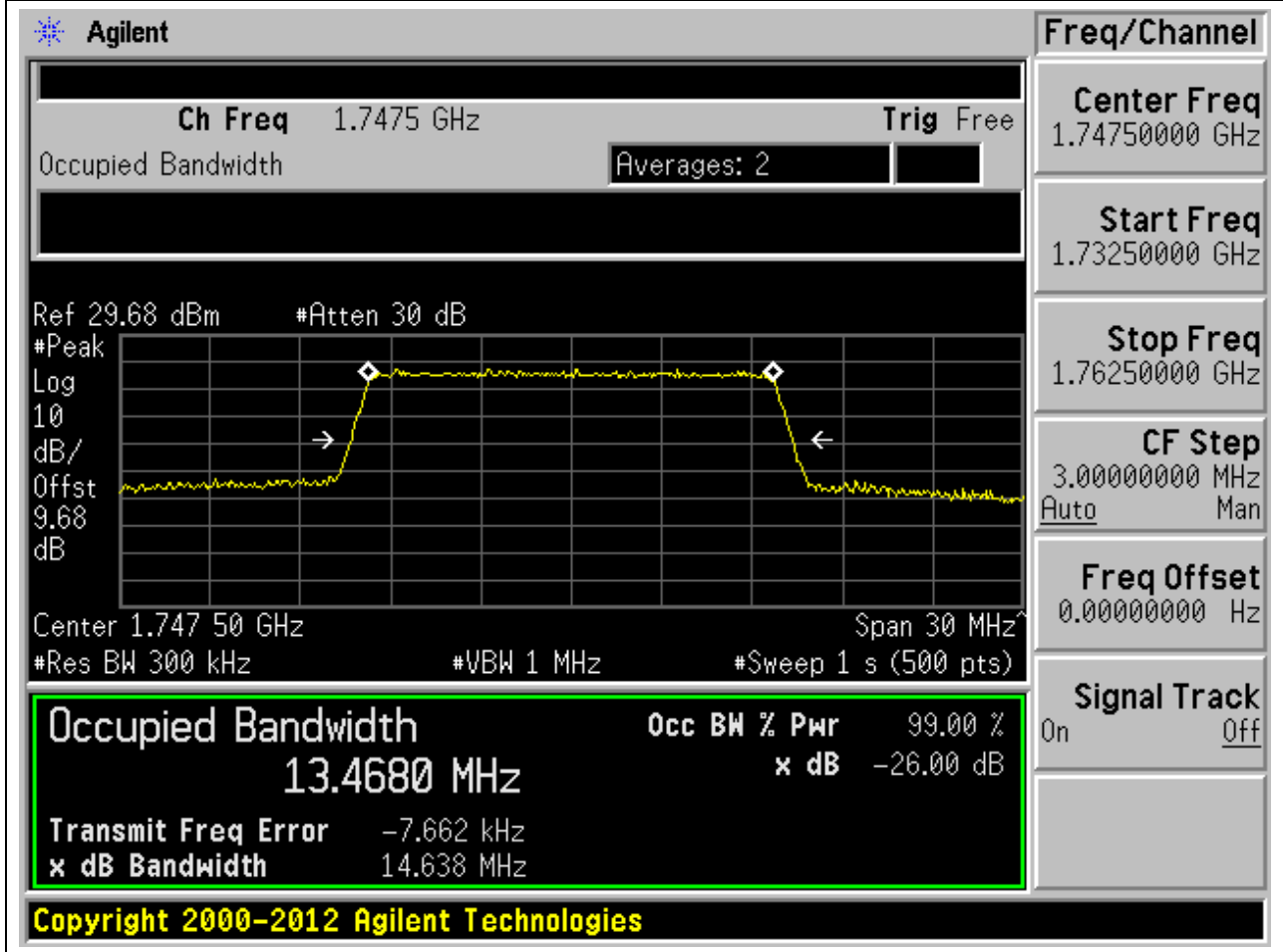
9.29. LTE Occupied Bandwidth(NTNV)(Subtest:11, Channel:20325, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)

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	13.41	14.62	15	Pass



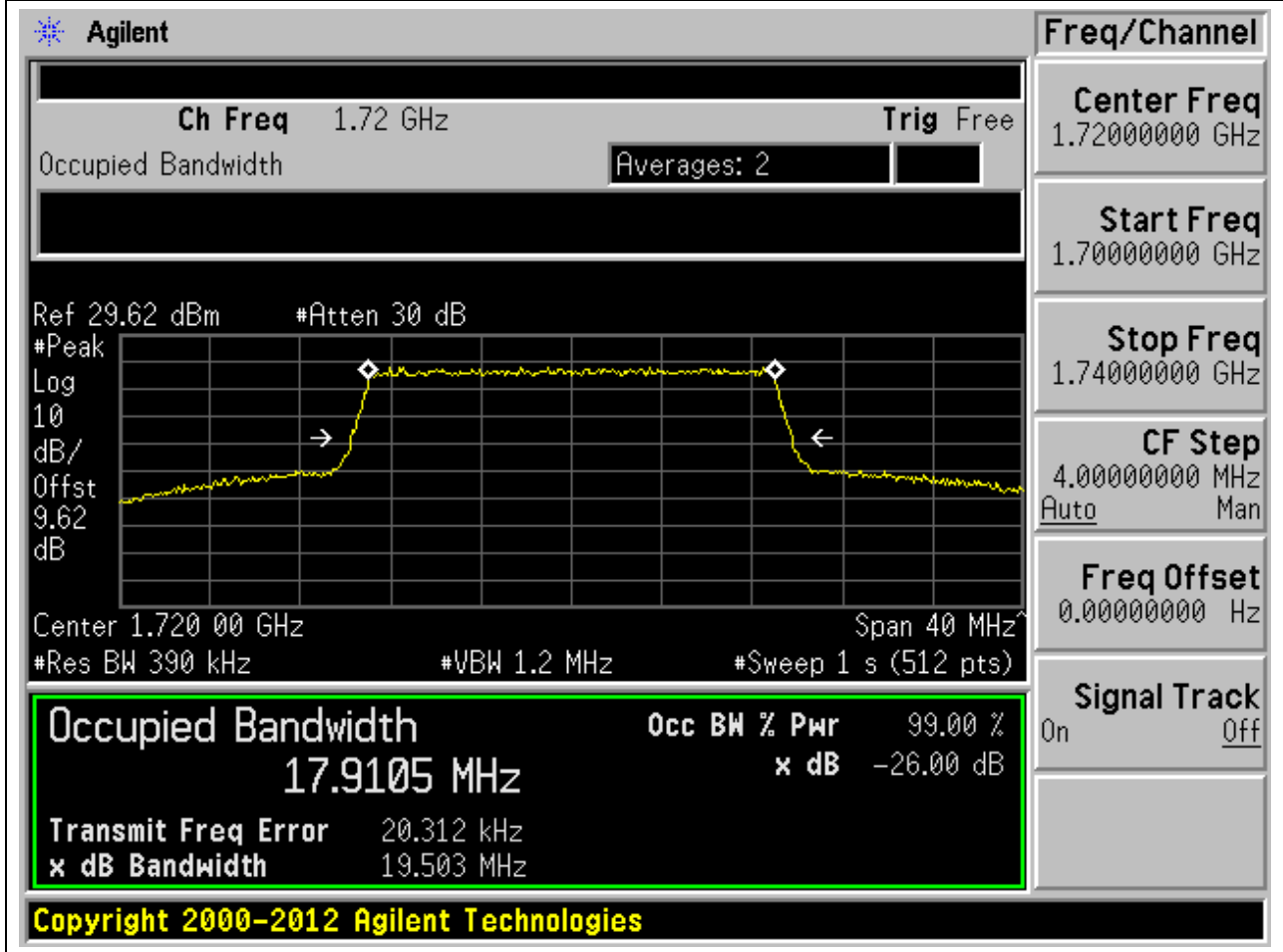
9.30. LTE Occupied Bandwidth(NTNV)(Subtest:12, Channel:20325, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)

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	13.47	14.64	15	Pass



9.31. LTE Occupied Bandwidth(NTNV)(Subtest:13, 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	17.91	19.5	20	Pass



9.32. LTE Occupied Bandwidth(NTNV)(Subtest:14, Channel:20050, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)

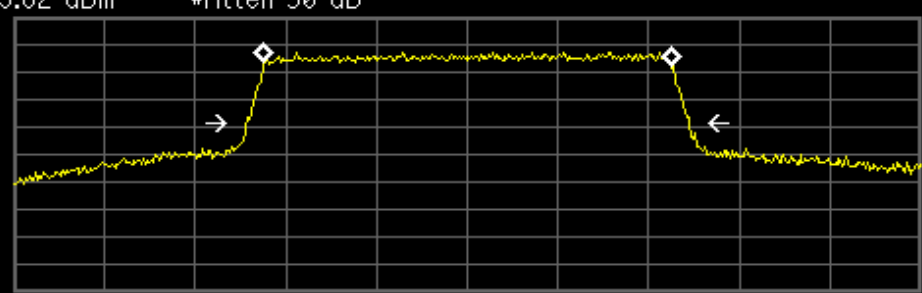
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1720	99	26	0.39	Peak	17.97	19.54	20	Pass

Agilent
Freq/Channel

Ch Freq 1.72 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.62 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)

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

17.9687 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

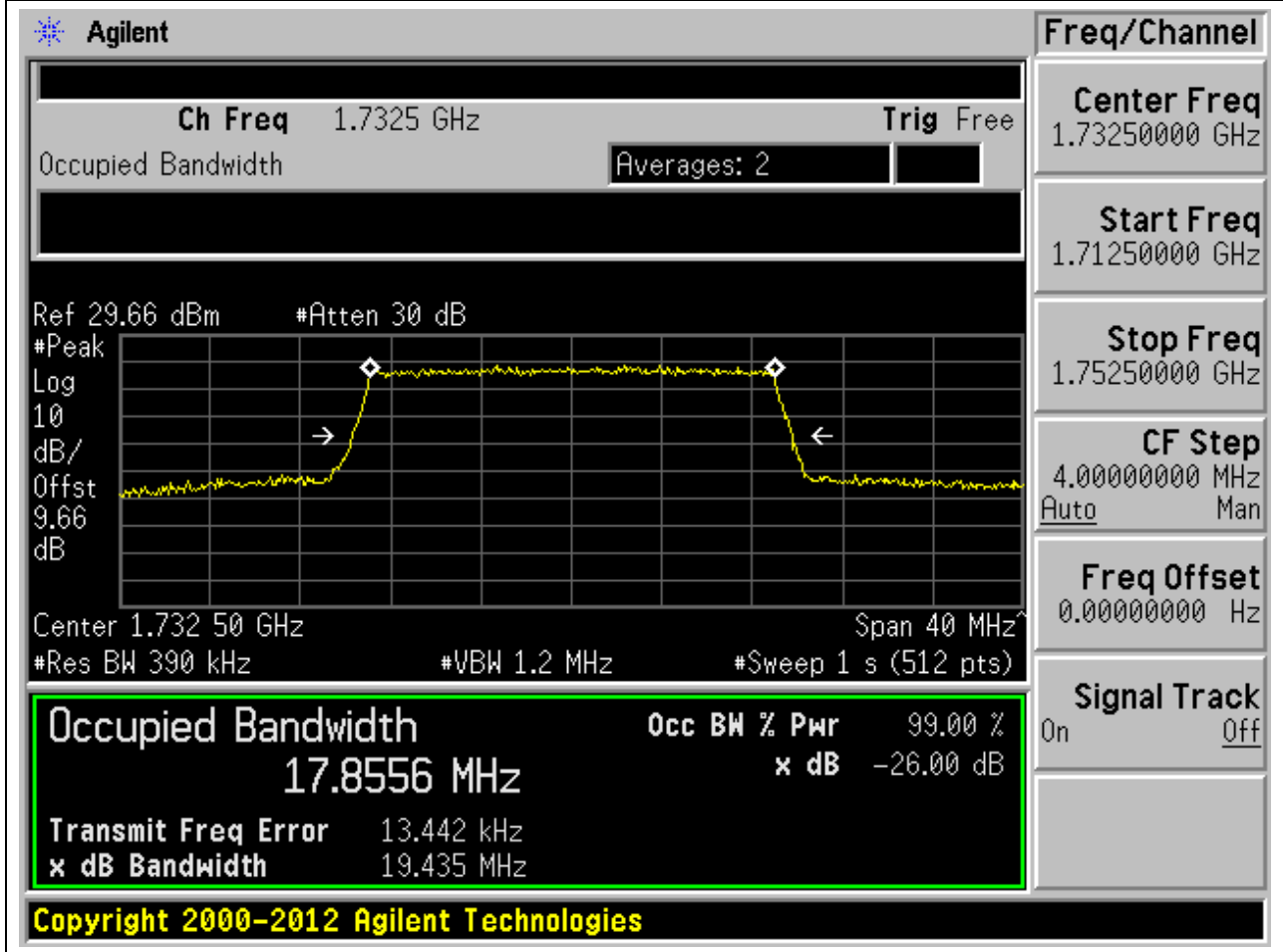
Transmit Freq Error 29.075 kHz

x dB Bandwidth 19.539 MHz

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9.33. LTE Occupied Bandwidth(NTNV)(Subtest:15, 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	17.86	19.43	20	Pass



9.34. LTE Occupied Bandwidth(NTNV)(Subtest:16, Channel:20175, 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
1732.5	99	26	0.39	Peak	17.88	19.54	20	Pass

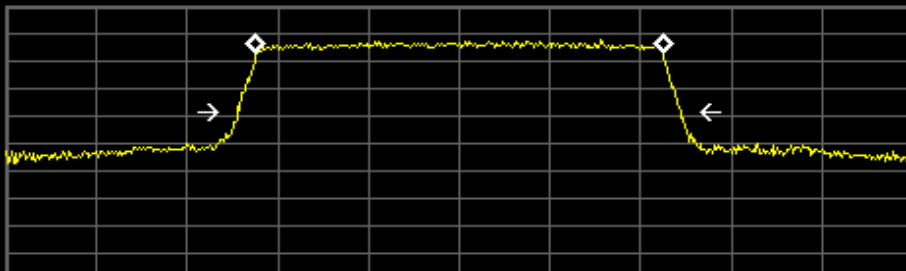
Agilent
Freq/Channel

Ch Freq 1.7325 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.66 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 9.66 dB



Center 1.732 50 GHz Span 40 MHz

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

Center Freq 1.73250000 GHz

Start Freq 1.71250000 GHz

Stop Freq 1.75250000 GHz

CF Step 4.00000000 MHz
Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

Occupied Bandwidth

17.8750 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

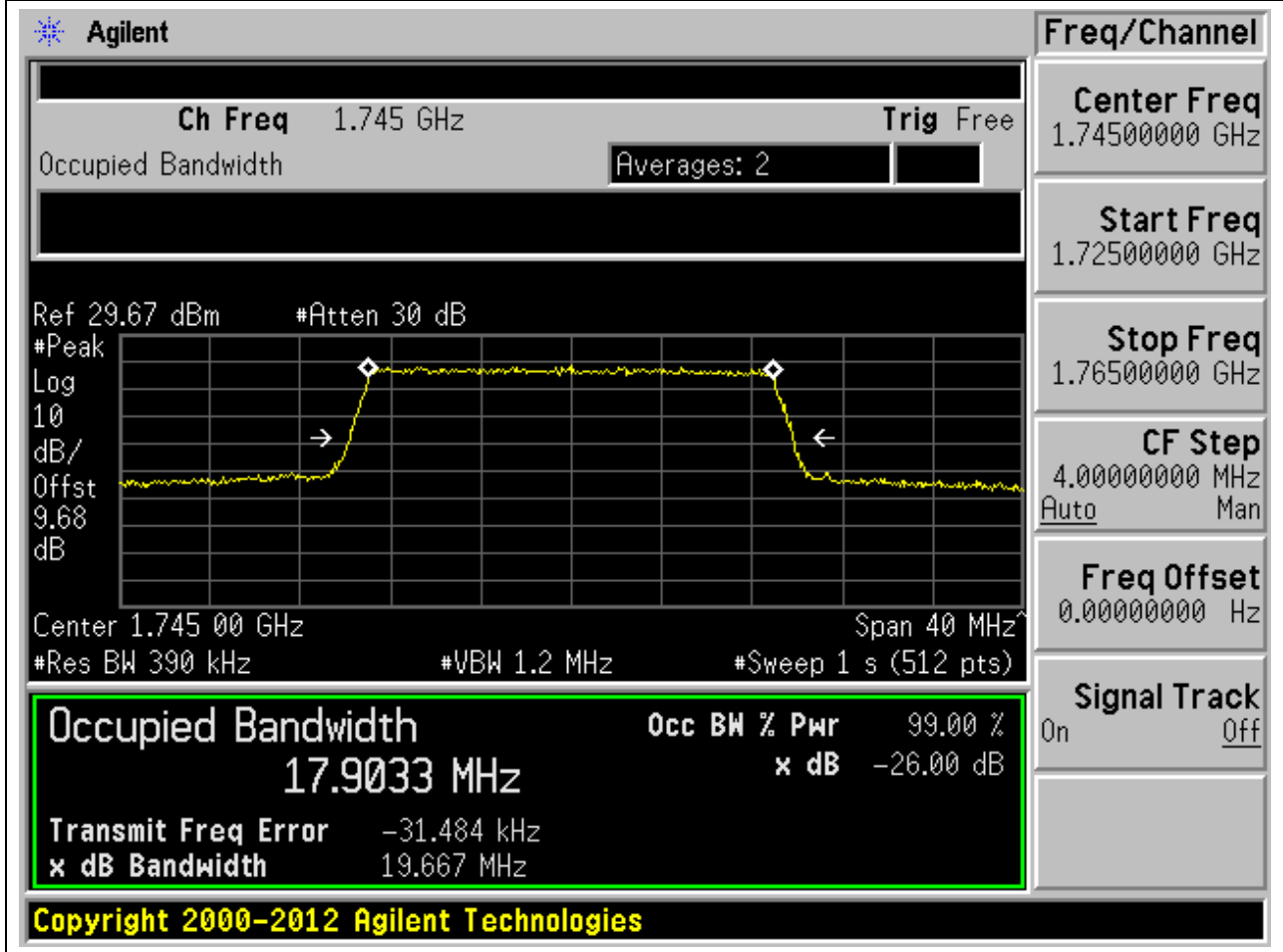
Transmit Freq Error 5.061 kHz

x dB Bandwidth 19.536 MHz

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9.35. LTE Occupied Bandwidth(NTNV)(Subtest:17, 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	17.9	19.67	20	Pass



9.36. LTE Occupied Bandwidth(NTNV)(Subtest:18, Channel:20300, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)

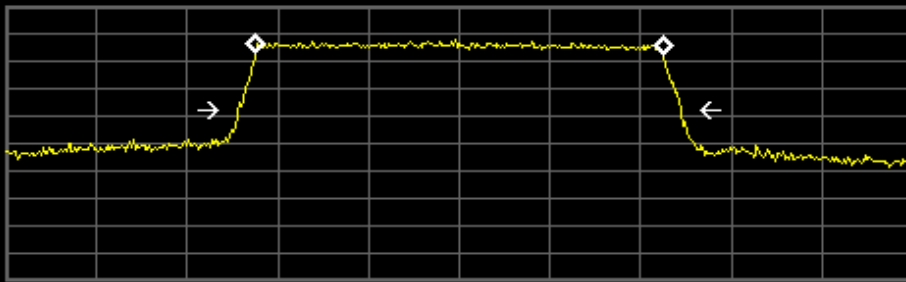
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.39	Peak	17.9	19.5	20	Pass

Agilent
Freq/Channel

Ch Freq 1.745 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.67 dBm #Atten 30 dB



Center 1.745 00 GHz Span 40 MHz

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

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

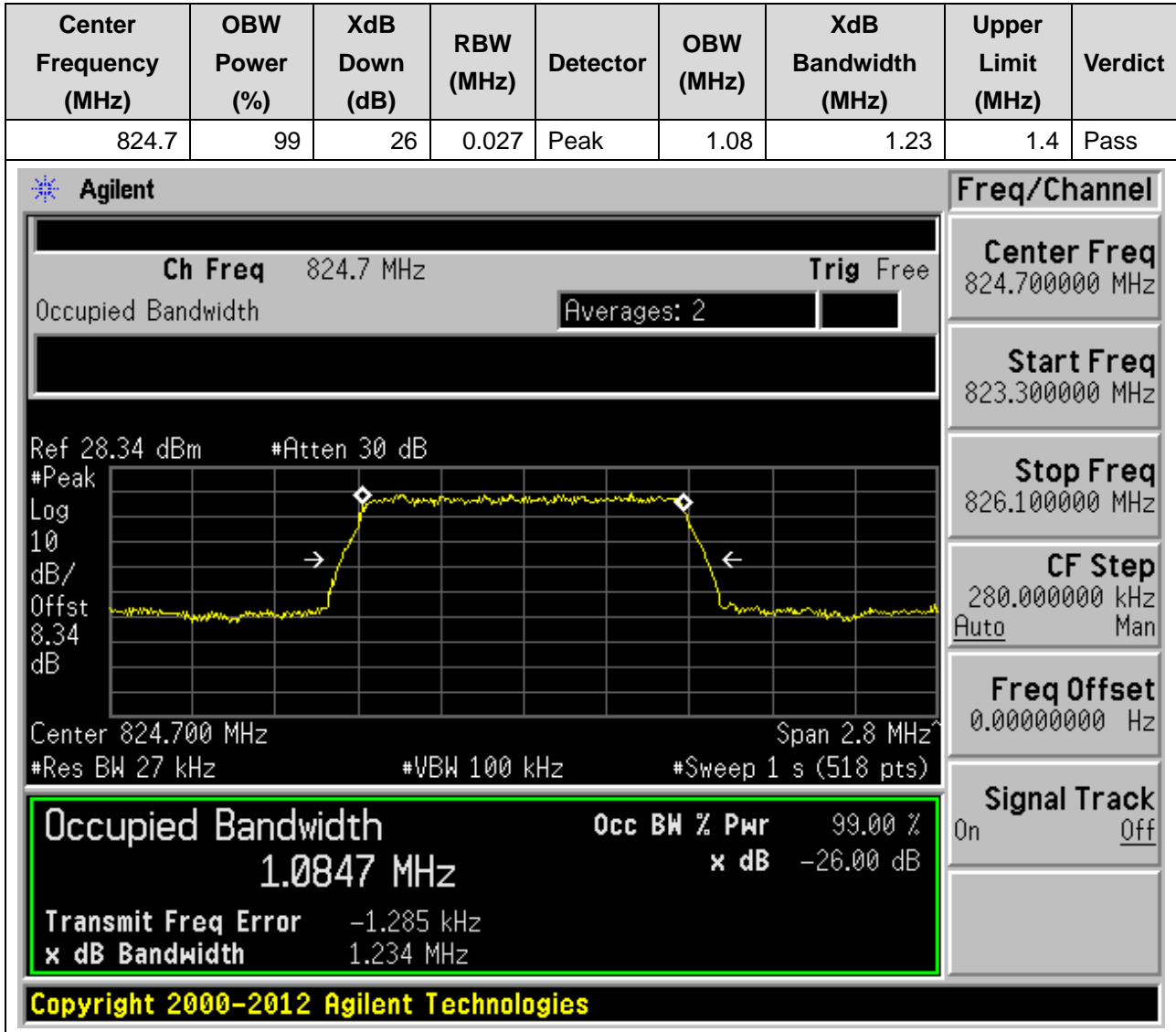
Signal Track
On Off

Occupied Bandwidth	Occ BW % Pwr 99.00 %
17.8965 MHz	x dB -26.00 dB
Transmit Freq Error -1.907 kHz	
x dB Bandwidth 19.500 MHz	

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10. LTE_Band5

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



10.2. 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	1.09	1.24	1.4	Pass

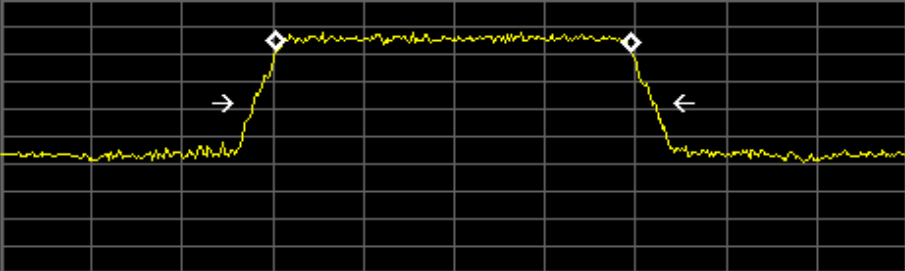
Agilent
Freq/Channel

Ch Freq 824.7 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.34 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.34 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 %
1.0901 MHz	x dB -26.00 dB
Transmit Freq Error -1.649 kHz	
x dB Bandwidth 1.244 MHz	

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

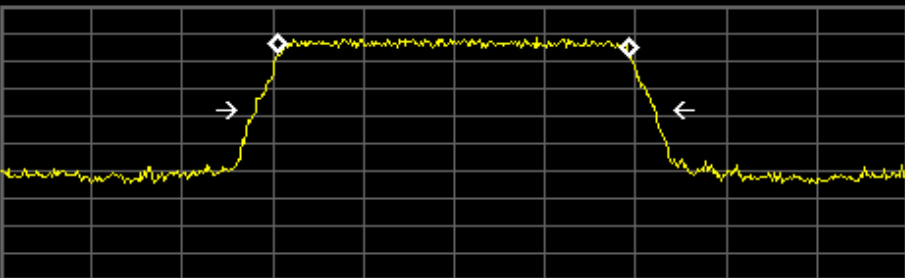
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.027	Peak	1.08	1.23	1.4	Pass

Agilent
Freq/Channel

Ch Freq 836.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.34 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	Occ BW % Pwr 99.00 %
1.0841 MHz	x dB -26.00 dB
Transmit Freq Error -1.025 kHz	
x dB Bandwidth 1.235 MHz	

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10.4. 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	1.08	1.22	1.4	Pass

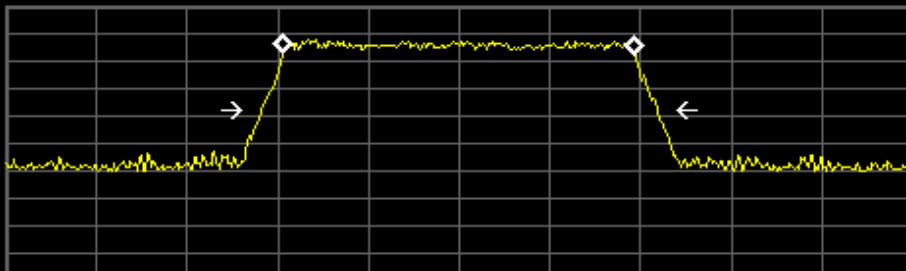
Agilent
Freq/Channel

Ch Freq 836.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.34 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.34 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	Occ BW % Pwr 99.00 %
1.0822 MHz	x dB -26.00 dB
Transmit Freq Error -1.315 kHz	
x dB Bandwidth 1.222 MHz	

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

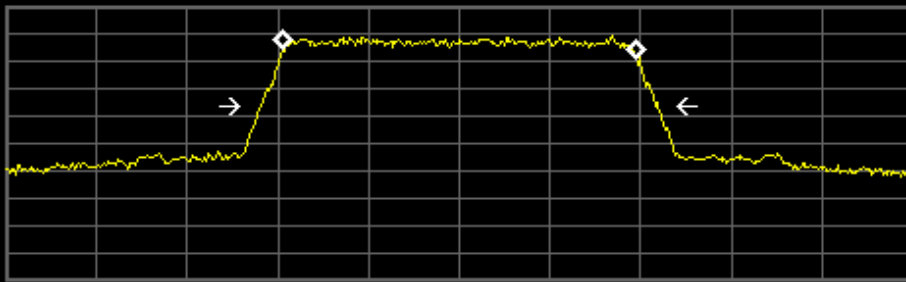
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
848.3	99	26	0.027	Peak	1.09	1.23	1.4	Pass

Agilent
Freq/Channel

Ch Freq 848.3 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.37 dBm #Atten 30 dB



Center 848.300 MHz Span 2.8 MHz

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

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

1.0895 MHz

Transmit Freq Error -845.761 Hz

x dB Bandwidth 1.230 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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

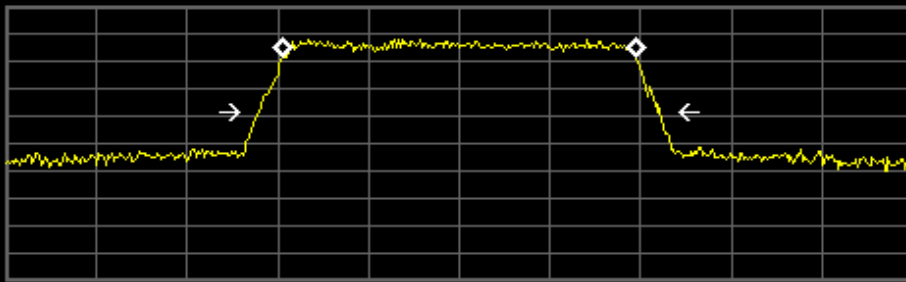
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
848.3	99	26	0.027	Peak	1.09	1.24	1.4	Pass

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Freq/Channel

Ch Freq 848.3 MHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Ref 28.37 dBm #Atten 30 dB



Center 848.300 MHz Span 2.8 MHz

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

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
1.0866 MHz

Transmit Freq Error -1.025 kHz

x dB Bandwidth 1.239 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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

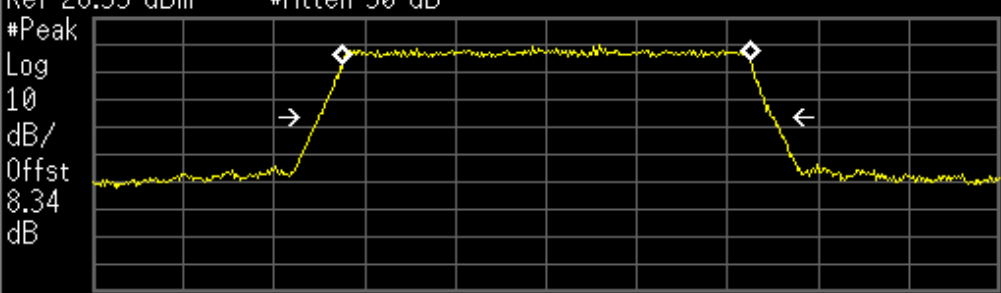
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
825.5	99	26	0.062	Peak	2.7	3.01	3	Pass

Agilent
Freq/Channel

Ch Freq 825.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.33 dBm #Atten 30 dB



Center 825.500 MHz Span 6 MHz

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

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

2.6994 MHz

Transmit Freq Error 275.084 Hz

x dB Bandwidth 3.012 MHz

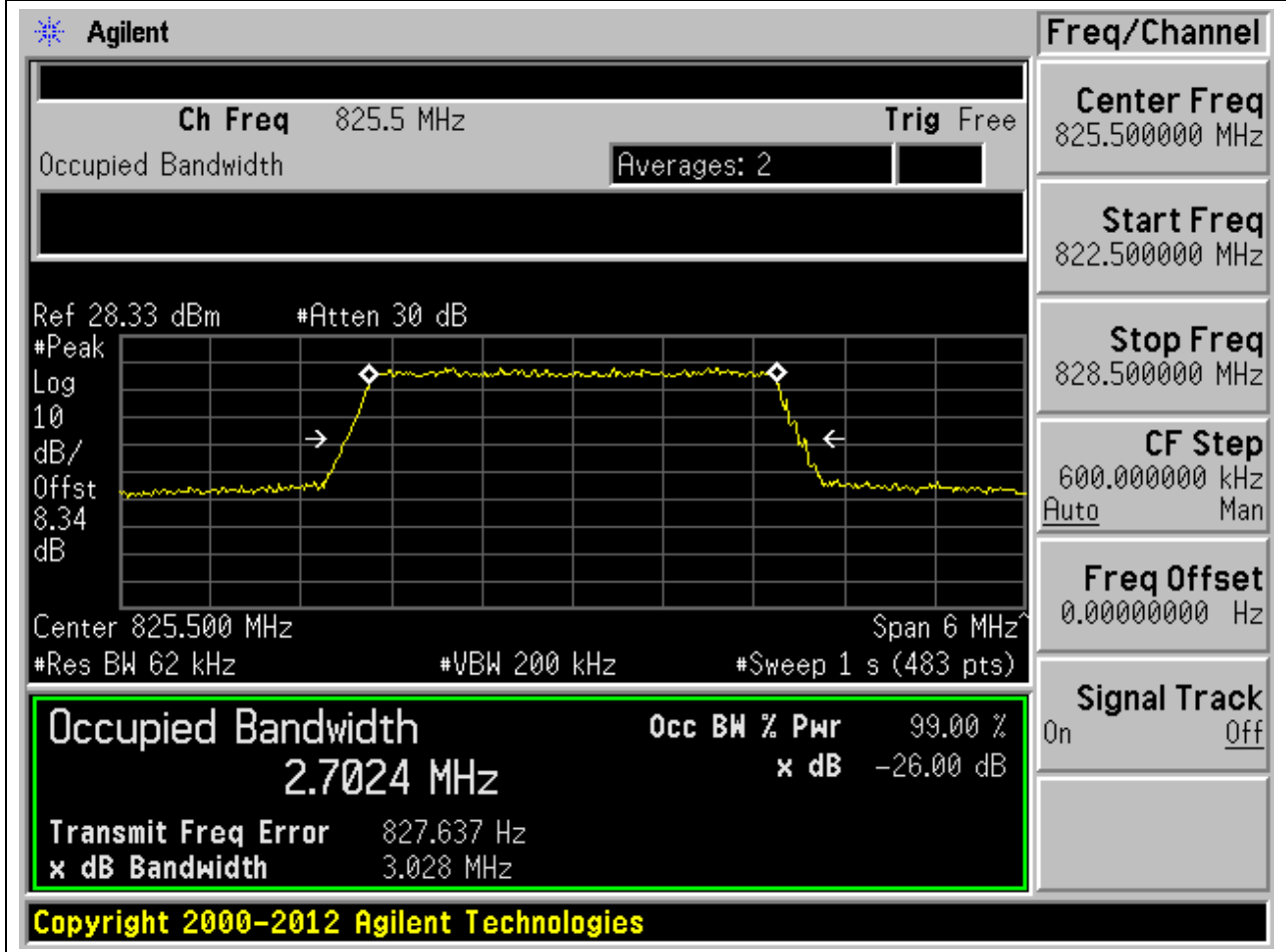
Occ BW % Pwr 99.00 %

x dB -26.00 dB

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10.8. 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	2.7	3.03	3	Pass



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

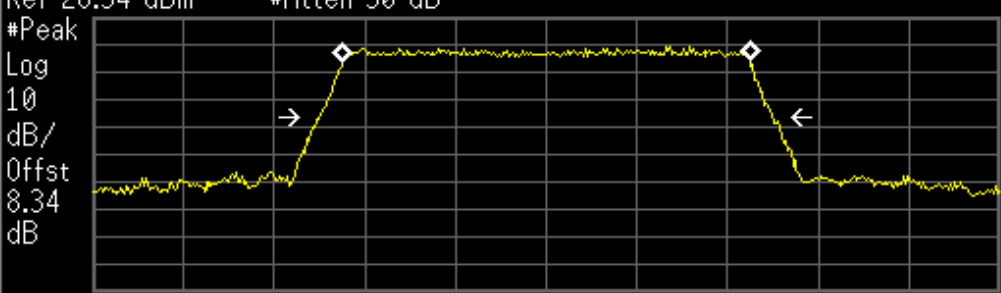
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.062	Peak	2.7	3	3	Pass

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Freq/Channel

Ch Freq 836.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.34 dBm #Atten 30 dB



Center 836.500 MHz Span 6 MHz

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

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

2.7043 MHz

Transmit Freq Error -3.011 kHz

x dB Bandwidth 3.004 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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10.10. 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	2.7	3.01	3	Pass

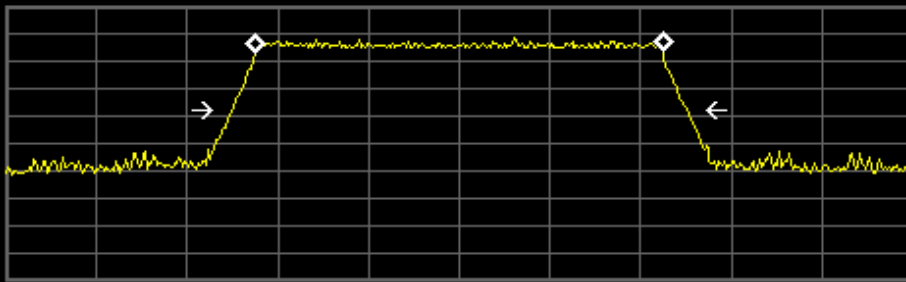
Agilent
Freq/Channel

Ch Freq 836.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.34 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.34 dB



Center 836.500 MHz Span 6 MHz

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

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 %
2.6979 MHz	x dB -26.00 dB
Transmit Freq Error -5.129 kHz	
x dB Bandwidth 3.009 MHz	

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

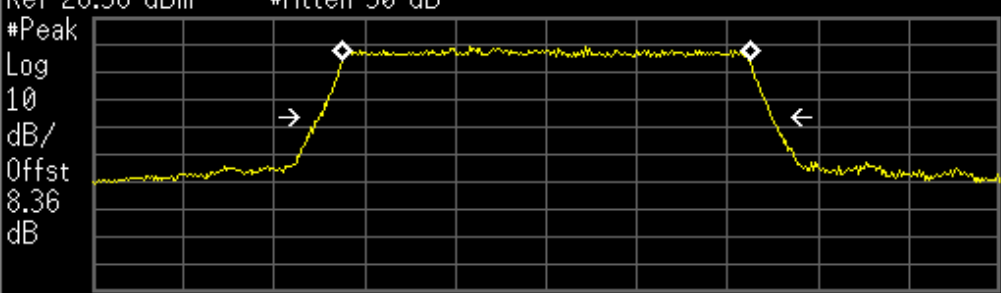
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
847.5	99	26	0.062	Peak	2.7	3.01	3	Pass

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Freq/Channel

Ch Freq 847.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.36 dBm #Atten 30 dB



Center 847.500 MHz Span 6 MHz

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

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 %
2.7047 MHz	x dB	-26.00 dB
Transmit Freq Error	-2.322 kHz	
x dB Bandwidth	3.009 MHz	

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10.12. 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	2.7	3.02	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

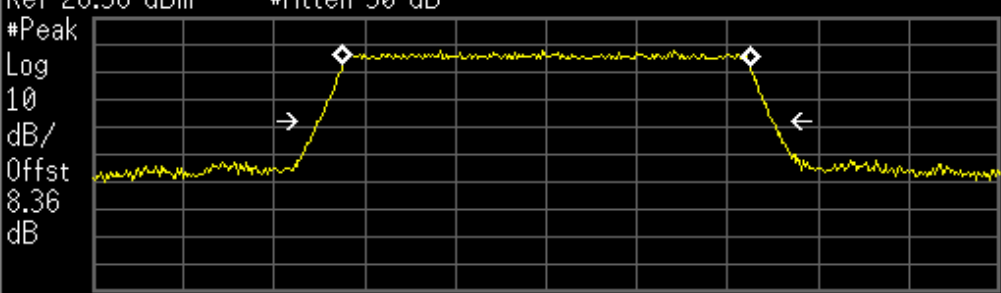
Stop Freq
850.500000 MHz

CF Step
600.000000 kHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Ref 28.36 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 %
2.6979 MHz	x dB -26.00 dB
Transmit Freq Error -2.344 kHz	
x dB Bandwidth 3.019 MHz	

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

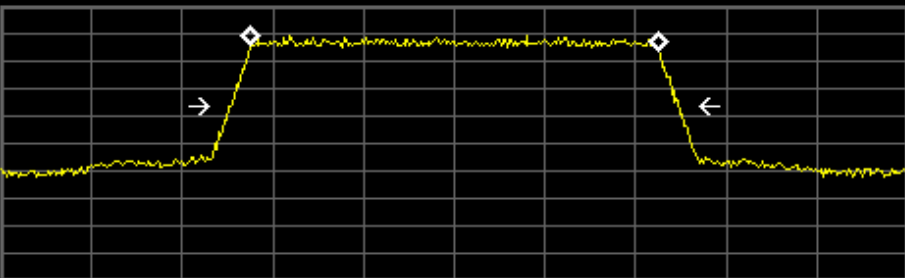
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
826.5	99	26	0.1	Peak	4.5	4.98	5	Pass

Agilent
Freq/Channel

Ch Freq 826.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.33 dBm #Atten 30 dB



Center 826.500 MHz Span 10 MHz

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

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 %
4.5028 MHz	x dB	-26.00 dB
Transmit Freq Error	-2.086 kHz	
x dB Bandwidth	4.981 MHz	

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10.14. 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	4.93	5	Pass

Agilent
Freq/Channel

Ch Freq 826.5 MHz **Trig** Free

Occupied Bandwidth Averages: 2

Center Freq
826.500000 MHz

Start Freq
821.500000 MHz

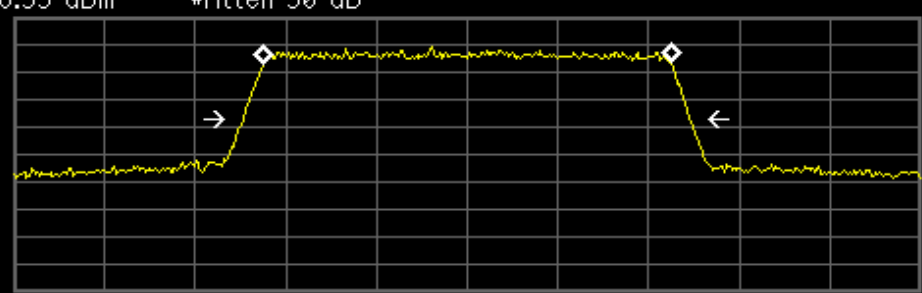
Stop Freq
831.500000 MHz

CF Step
1.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Ref 28.33 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 %
4.5011 MHz	x dB -26.00 dB
Transmit Freq Error -2.962 kHz	
x dB Bandwidth 4.928 MHz	

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

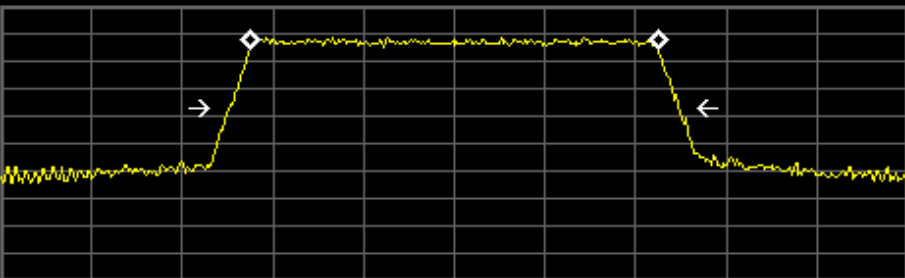
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.1	Peak	4.5	4.98	5	Pass

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Freq/Channel

Ch Freq 836.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.34 dBm #Atten 30 dB



Center 836.500 MHz Span 10 MHz

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

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

Occupied Bandwidth

4.5017 MHz

Transmit Freq Error -4.515 kHz

x dB Bandwidth 4.979 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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10.16. 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	4.51	4.97	5	Pass

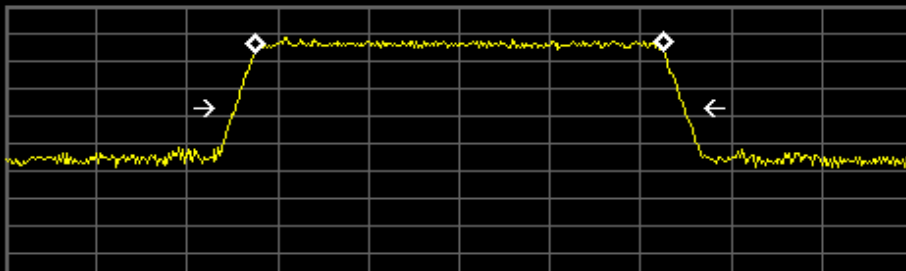
Agilent
Freq/Channel

Ch Freq 836.5 MHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Ref 28.34 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.34 dB



Center 836.500 MHz Span 10 MHz

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

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

Occupied Bandwidth
4.5138 MHz

Transmit Freq Error -43.707 Hz

x dB Bandwidth 4.972 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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10.17. 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	4.49	4.97	5	Pass

Agilent
Freq/Channel

Ch Freq 846.5 MHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Center Freq
846.500000 MHz

Start Freq
841.500000 MHz

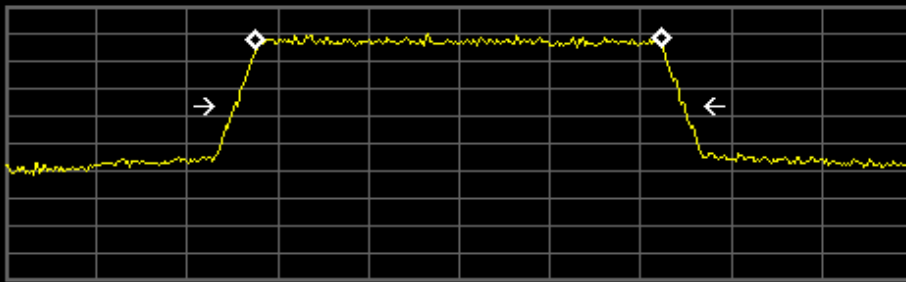
Stop Freq
851.500000 MHz

CF Step
1.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Ref 28.36 dBm #Atten 30 dB



Center 846.500 MHz Span 10 MHz

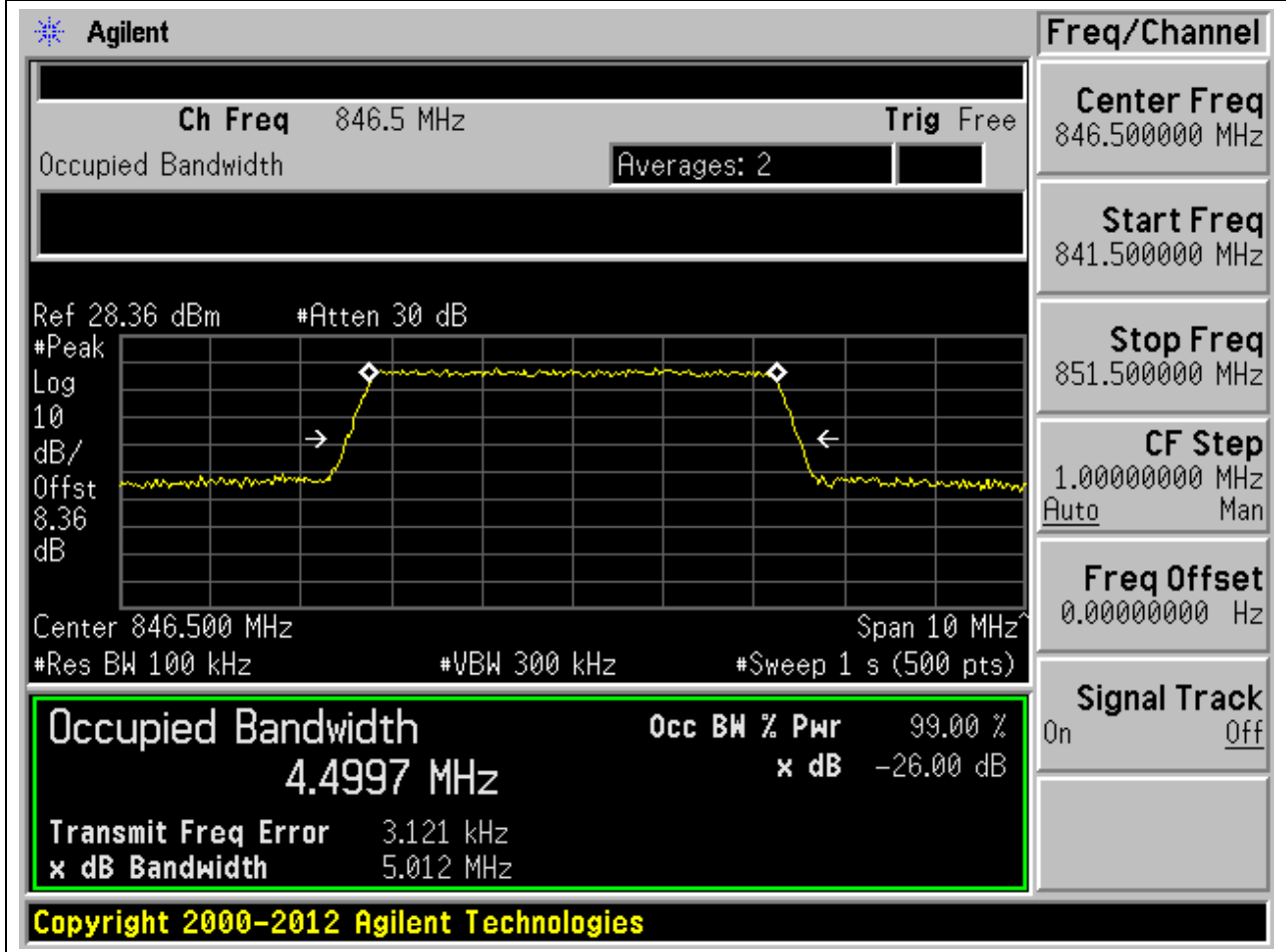
#Res BW 100 kHz #VBW 300 kHz #Sweep 1 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
4.4895 MHz	x dB -26.00 dB
Transmit Freq Error -451.835 Hz	
x dB Bandwidth 4.966 MHz	

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10.18. 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	4.5	5.01	5	Pass



10.19. 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	8.97	9.82	10	Pass

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Freq/Channel

Ch Freq 829 MHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Center Freq
829.000000 MHz

Start Freq
819.000000 MHz

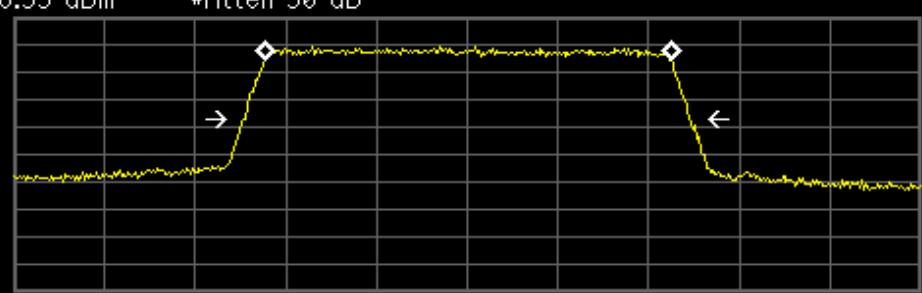
Stop Freq
839.000000 MHz

CF Step
2.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Ref 28.33 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 %

8.9674 MHz **x dB** -26.00 dB

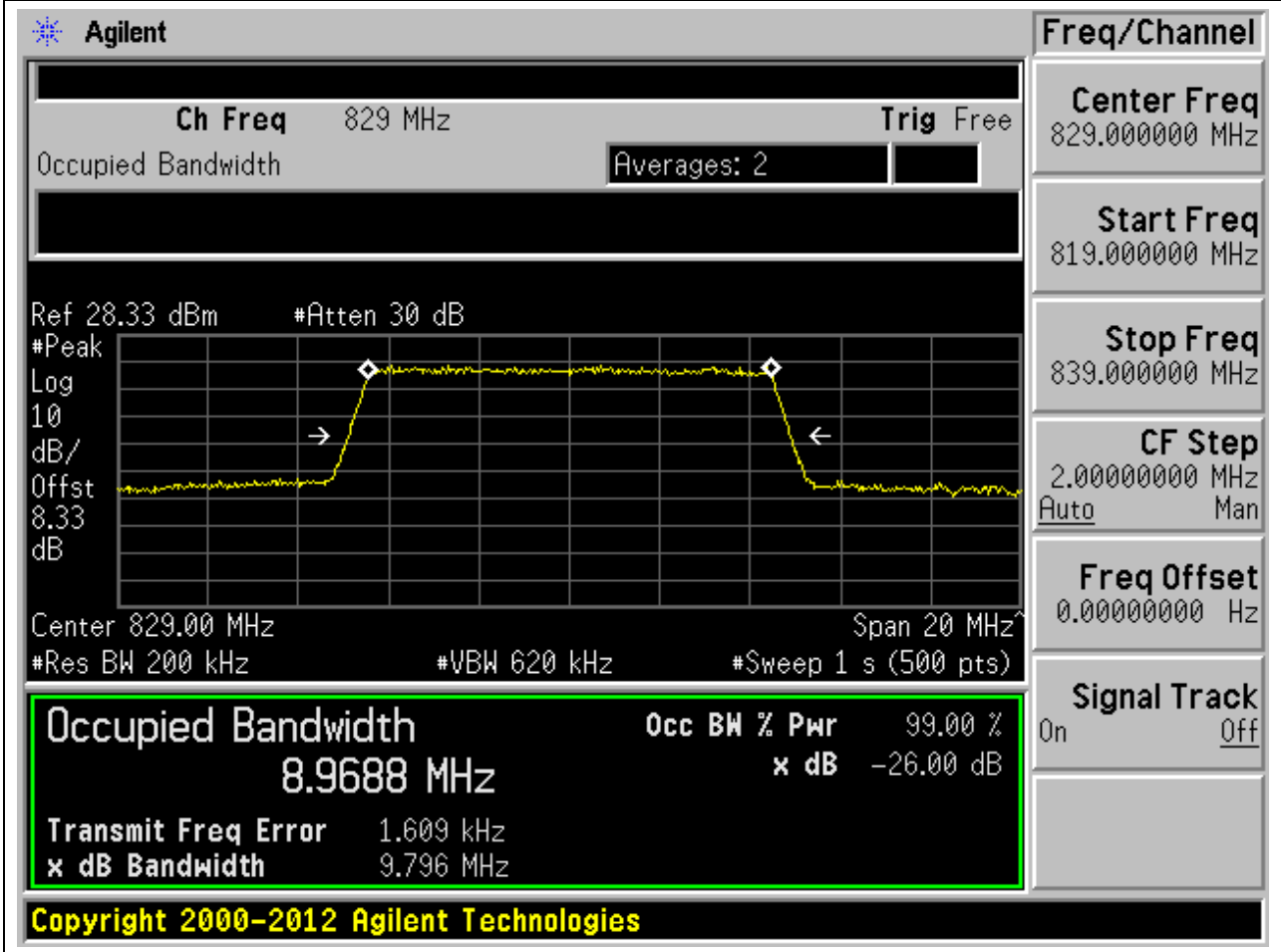
Transmit Freq Error 1.960 kHz

x dB Bandwidth 9.824 MHz

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10.20. 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	8.97	9.8	10	Pass



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

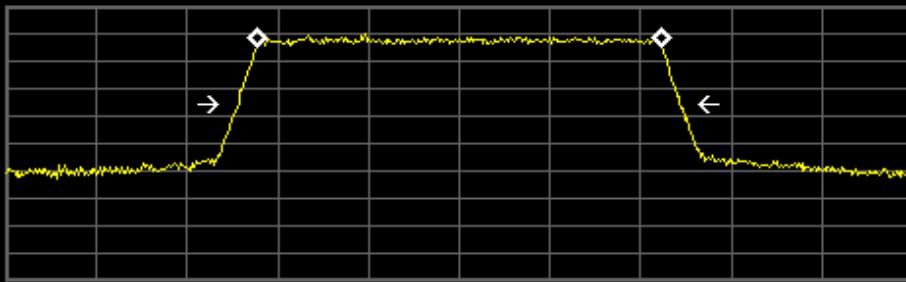
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.2	Peak	8.95	9.77	10	Pass

Agilent
Freq/Channel

Ch Freq 836.5 MHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Ref 28.34 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
8.9528 MHz

Transmit Freq Error -5.484 kHz

x dB Bandwidth 9.770 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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10.22. 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	8.96	9.78	10	Pass

Agilent
Freq/Channel

Ch Freq 836.5 MHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Center Freq
836.500000 MHz

Start Freq
826.500000 MHz

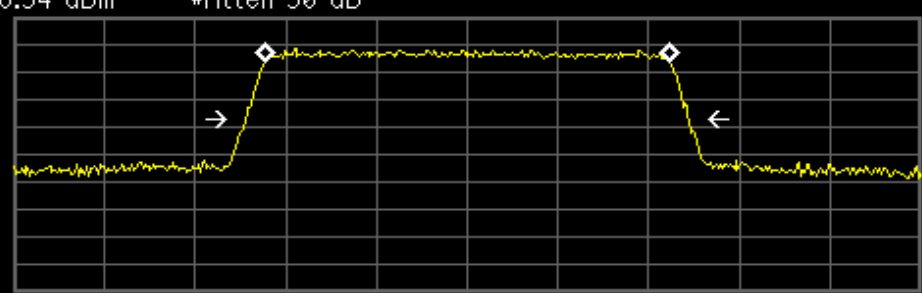
Stop Freq
846.500000 MHz

CF Step
2.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Ref 28.34 dBm #Atten 30 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 %

8.9581 MHz **x dB** -26.00 dB

Transmit Freq Error -889.991 Hz

x dB Bandwidth 9.779 MHz

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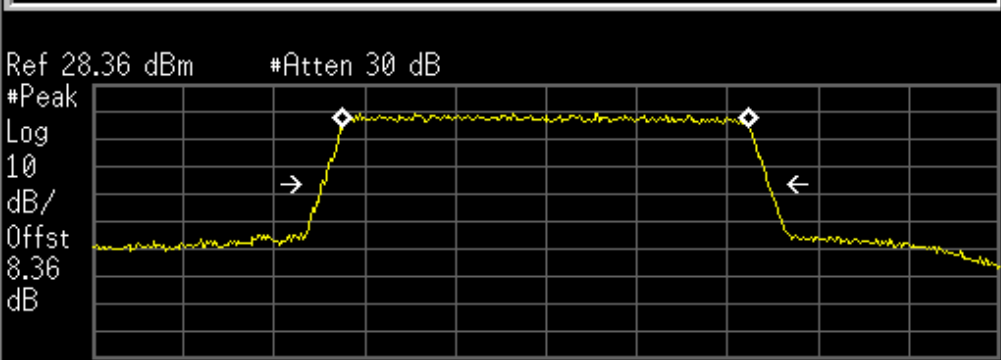
10.23. LTE Occupied Bandwidth(NTNV)(Subtest:23, Channel:20600, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)

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	8.96	9.87	10	Pass

Agilent
Freq/Channel

Ch Freq 844 MHz Trig Free

Occupied Bandwidth Averages: 2



Ref 28.36 dBm #Atten 30 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

8.9583 MHz

Transmit Freq Error -15.597 kHz

x dB Bandwidth 9.870 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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10.24. 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	8.96	9.79	10	Pass

Agilent
Freq/Channel

Ch Freq 844 MHz **Trig** Free

Occupied Bandwidth Averages: 2

Center Freq
844.000000 MHz

Start Freq
834.000000 MHz

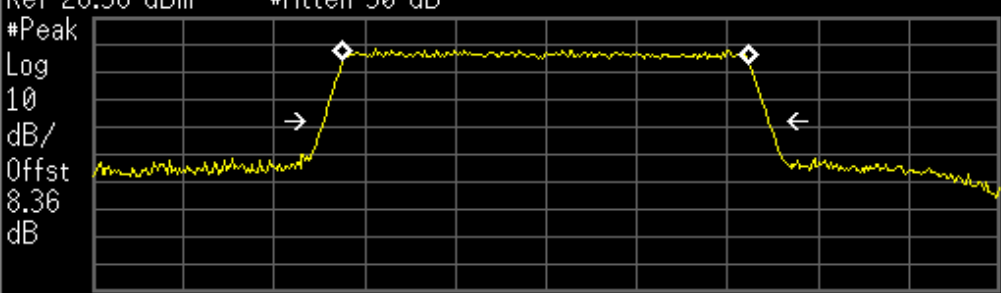
Stop Freq
854.000000 MHz

CF Step
2.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Ref 28.36 dBm #Atten 30 dB



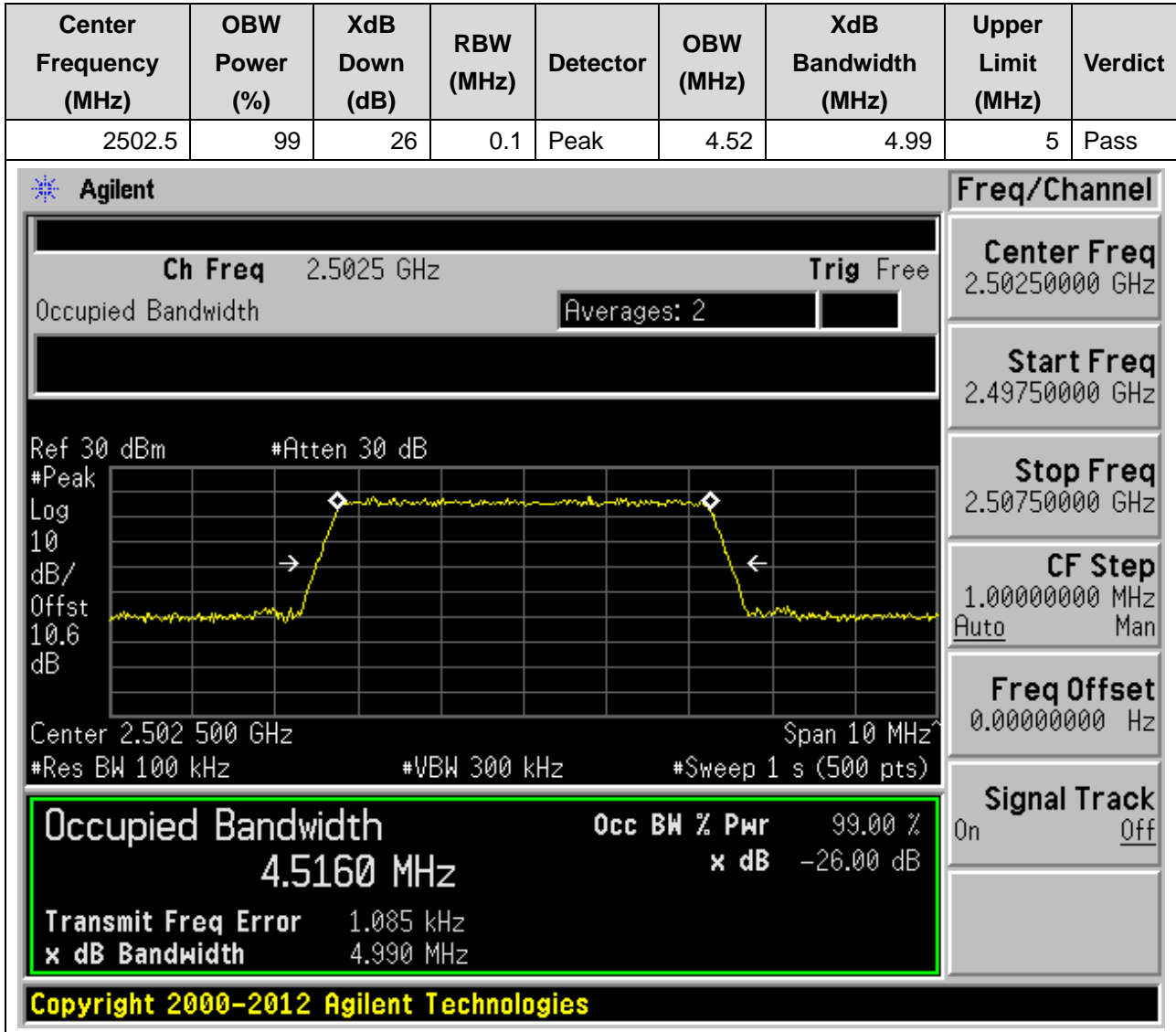
Center 844.00 MHz Span 20 MHz
#Res BW 200 kHz #VBW 620 kHz #Sweep 1 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
8.9598 MHz	x dB -26.00 dB
Transmit Freq Error	-16.426 kHz
x dB Bandwidth	9.790 MHz

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11. LTE_Band7

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



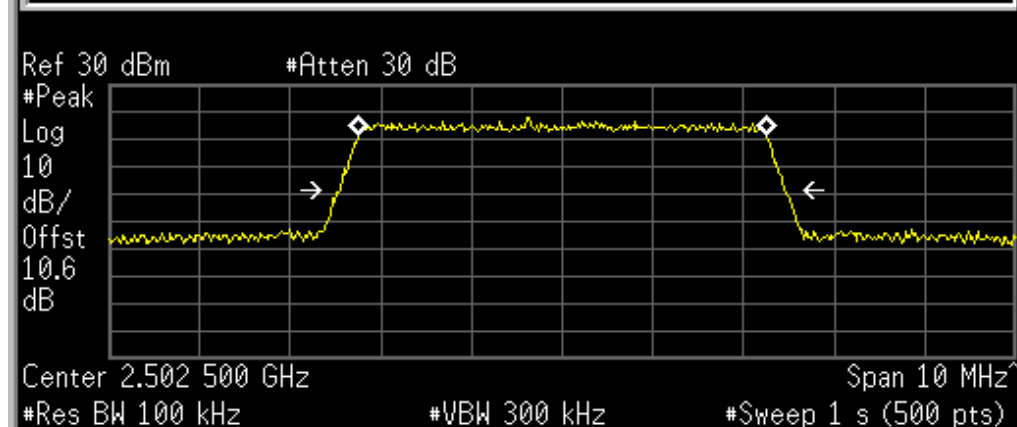
11.2. LTE Occupied Bandwidth(NTNV)(Subtest:2, Channel:20775, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)

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	4.5	4.91	5	Pass

Agilent

Ch Freq 2.5025 GHz Trig Free

Occupied Bandwidth Averages: 2



Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 10.6 dB

Center 2.502 500 GHz Span 10 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.4956 MHz	x dB	-26.00 dB
Transmit Freq Error		-2.700 kHz
x dB Bandwidth		4.908 MHz

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Freq/Channel

Center Freq 2.50250000 GHz

Start Freq 2.49750000 GHz

Stop Freq 2.50750000 GHz

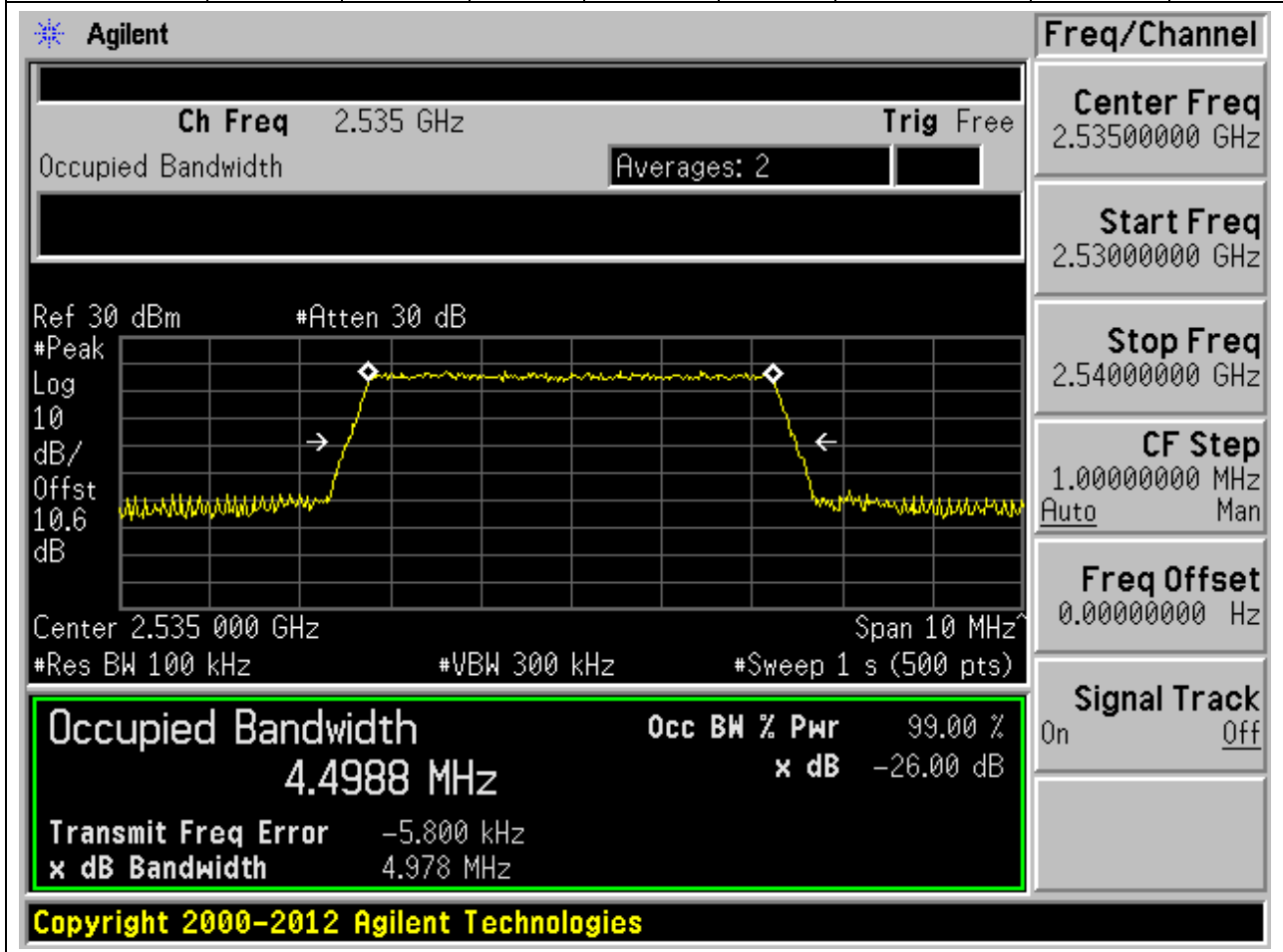
CF Step 1.00000000 MHz
Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

11.3. 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	4.5	4.98	5	Pass



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

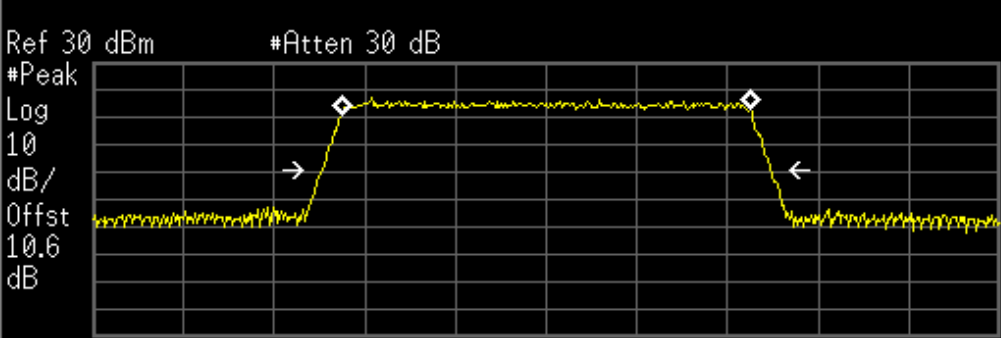
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	0.1	Peak	4.51	4.96	5	Pass

Agilent
Freq/Channel

Ch Freq 2.535 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB



Center 2.535 000 GHz Span 10 MHz

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

Center Freq 2.53500000 GHz

Start Freq 2.53000000 GHz

Stop Freq 2.54000000 GHz

CF Step 1.00000000 MHz
Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

Occupied Bandwidth	Occ BW % Pwr 99.00 %
4.5121 MHz	x dB -26.00 dB
Transmit Freq Error -813.712 Hz	
x dB Bandwidth 4.963 MHz	

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11.5. 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	4.95	5	Pass

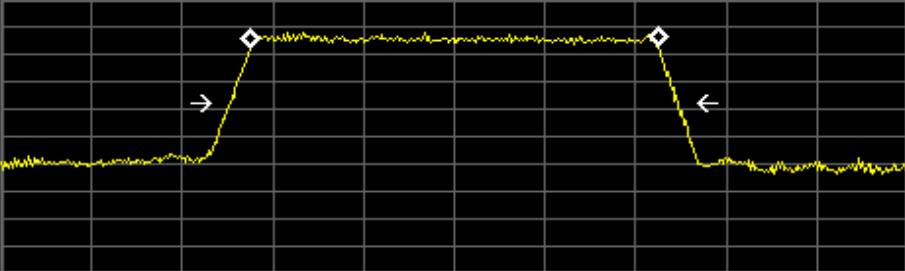
Agilent
Freq/Channel

Ch Freq 2.5675 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 10.6 dB



Center 2.567 500 GHz Span 10 MHz

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

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

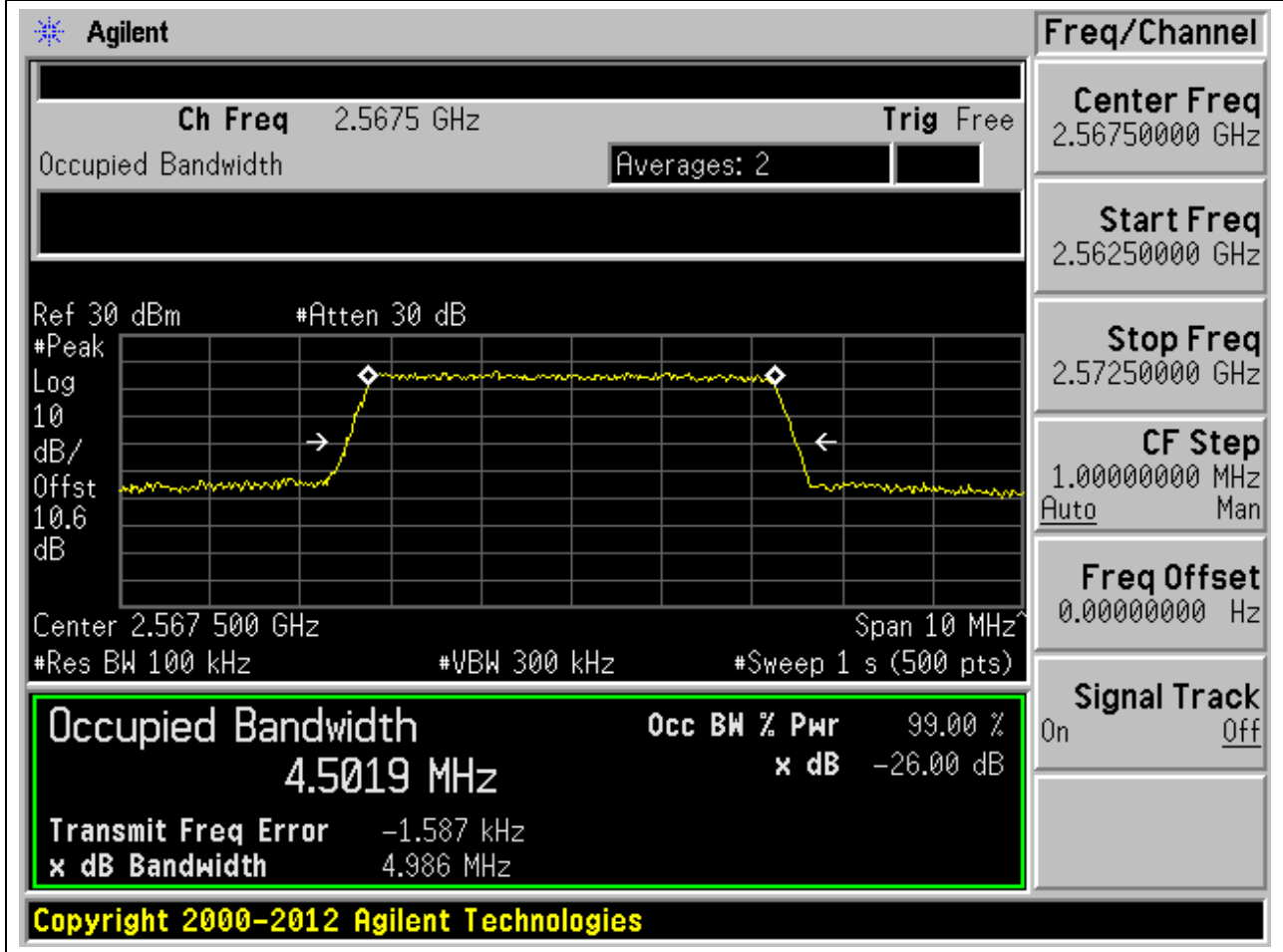
Signal Track On Off

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.4943 MHz	x dB	-26.00 dB
Transmit Freq Error	-3.091 kHz	
x dB Bandwidth	4.951 MHz	

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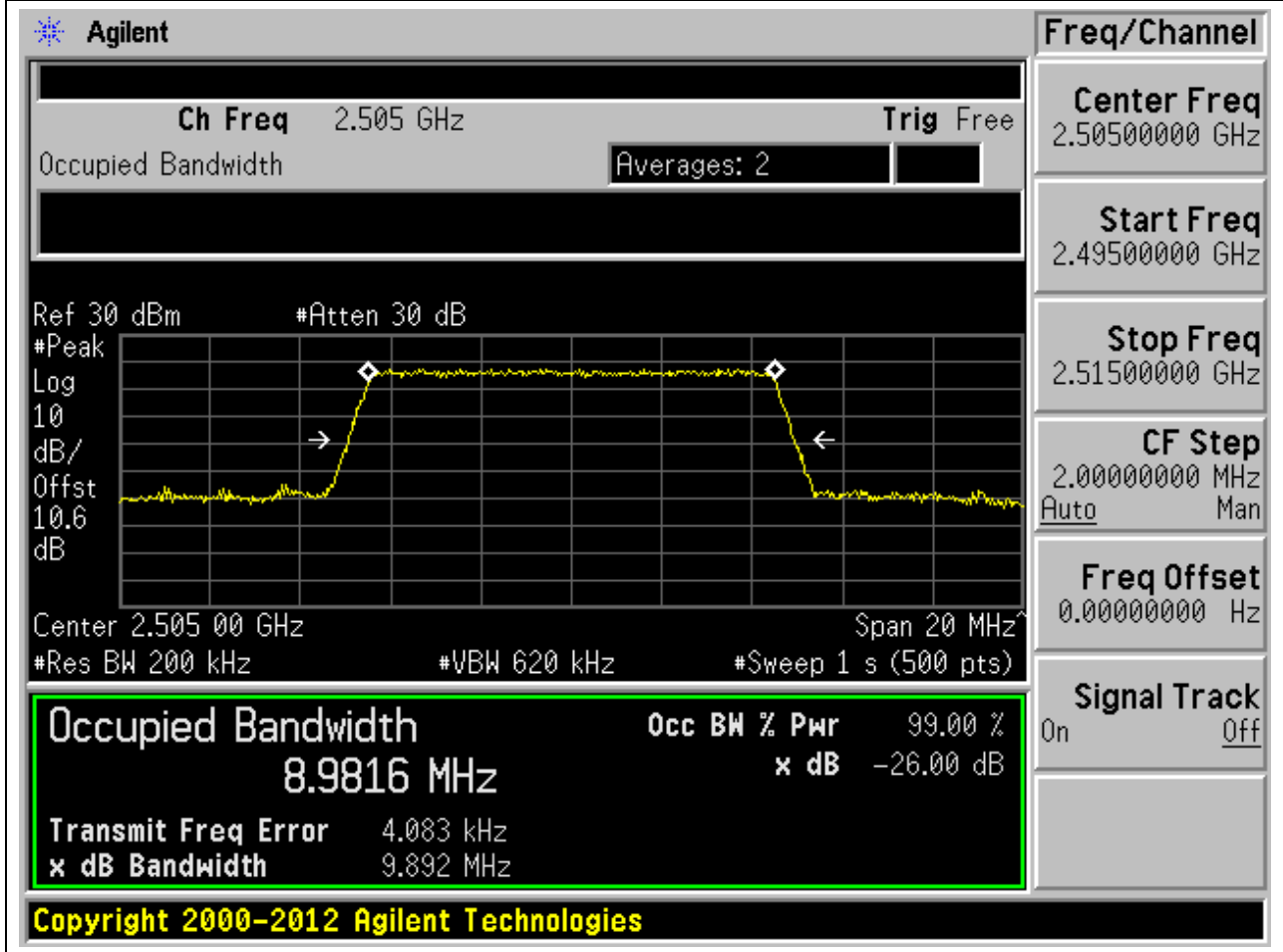
11.6. LTE Occupied Bandwidth(NTNV)(Subtest:6, Channel:21425, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2567.5	99	26	0.1	Peak	4.5	4.99	5	Pass



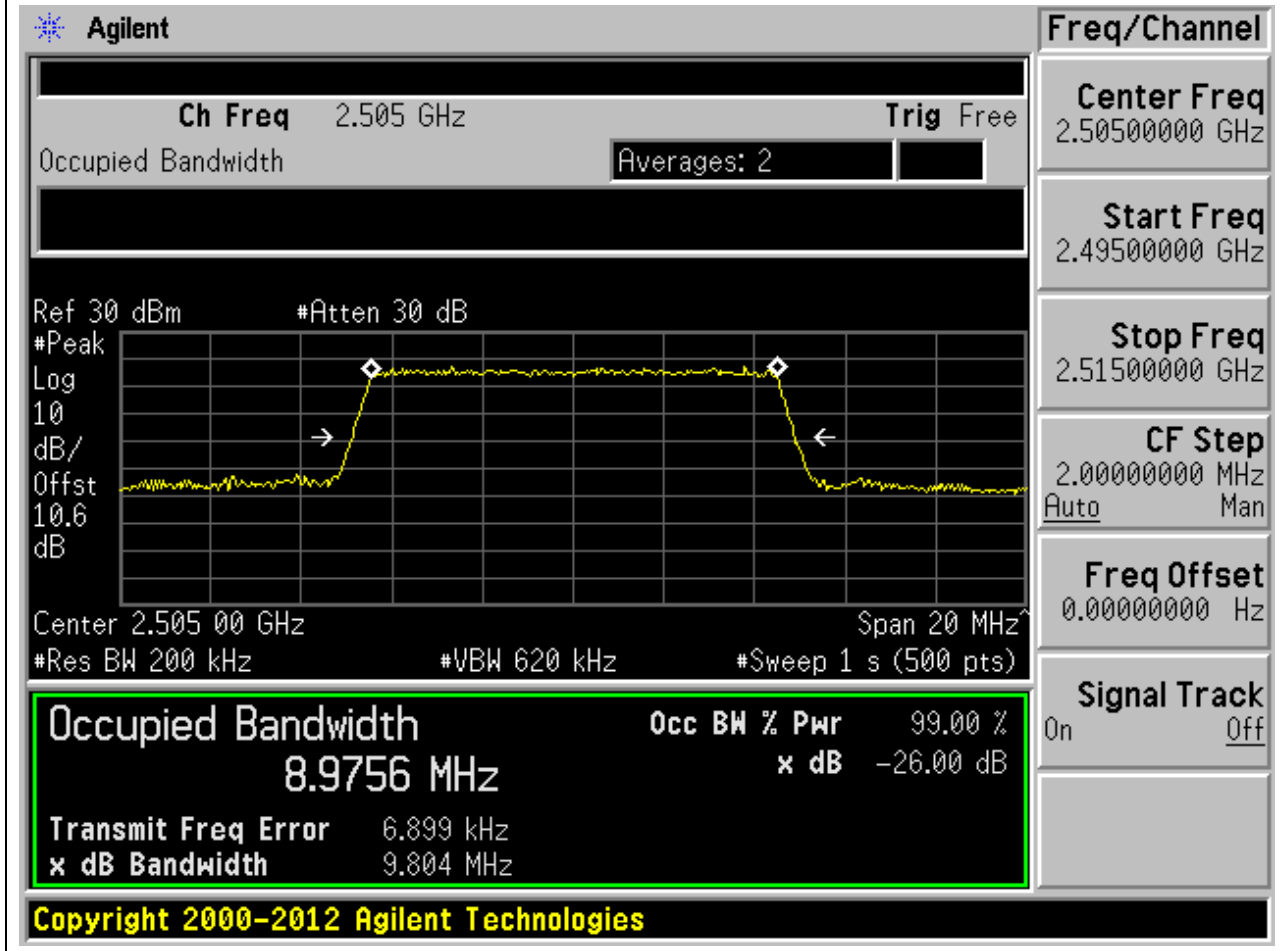
11.7. LTE Occupied Bandwidth(NTNV)(Subtest:7, Channel:20800, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)

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	8.98	9.89	10	Pass



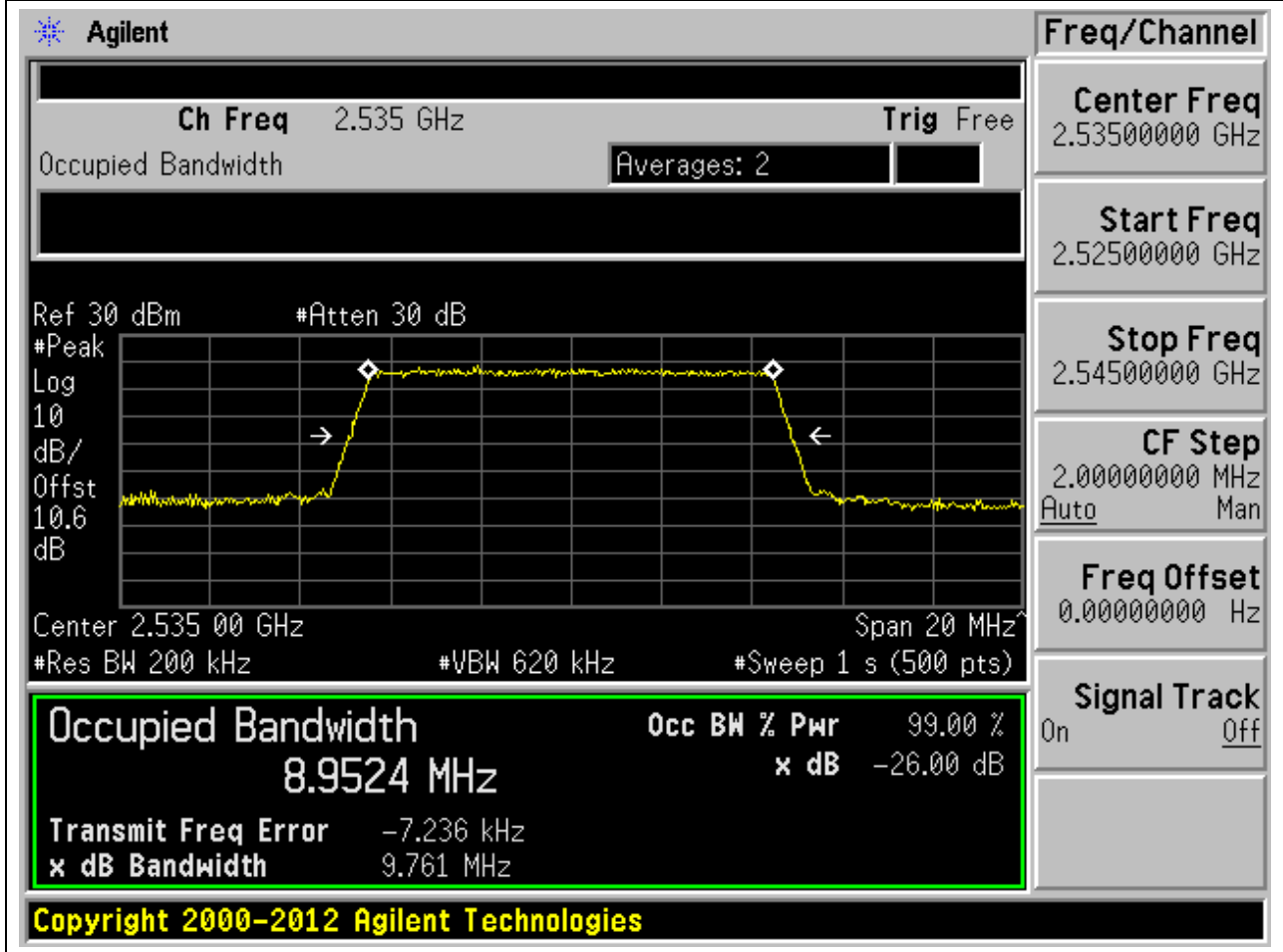
11.8. LTE Occupied Bandwidth(NTNV)(Subtest:8, Channel:20800, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)

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	8.98	9.8	10	Pass



11.9. 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	8.95	9.76	10	Pass



11.10. 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	8.96	9.79	10	Pass

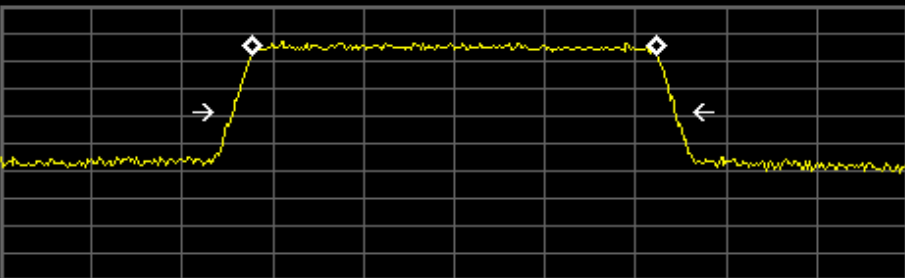
Agilent
Freq/Channel

Ch Freq 2.535 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 10.6 dB



Center 2.535 00 GHz Span 20 MHz

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

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
8.9550 MHz	x dB -26.00 dB
Transmit Freq Error -4.800 kHz	
x dB Bandwidth 9.790 MHz	

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11.11. 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	8.95	9.82	10	Pass

Agilent
Freq/Channel

Ch Freq 2.565 GHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Center Freq
2.56500000 GHz

Start Freq
2.55500000 GHz

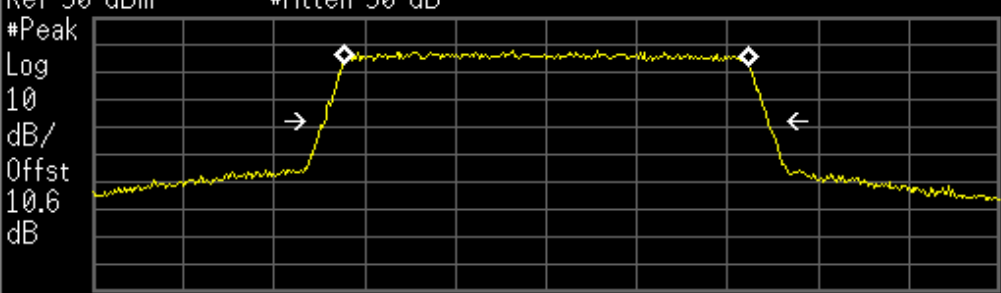
Stop Freq
2.57500000 GHz

CF Step
2.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

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)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
8.9508 MHz	x dB -26.00 dB
Transmit Freq Error -14.079 kHz	
x dB Bandwidth 9.825 MHz	

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

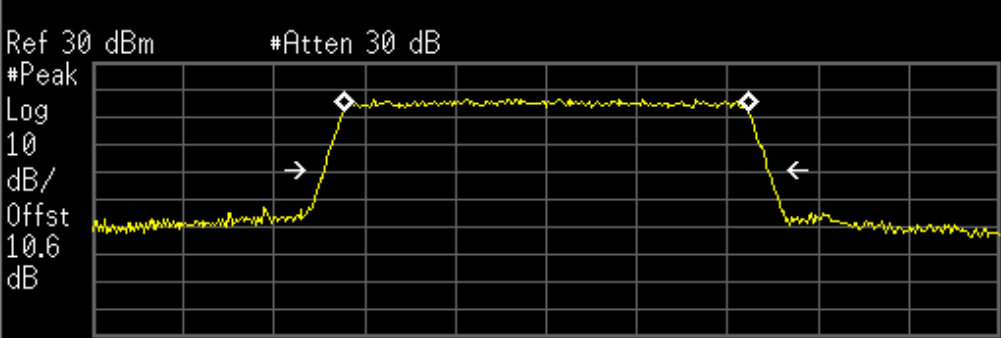
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2565	99	26	0.2	Peak	8.95	9.81	10	Pass

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

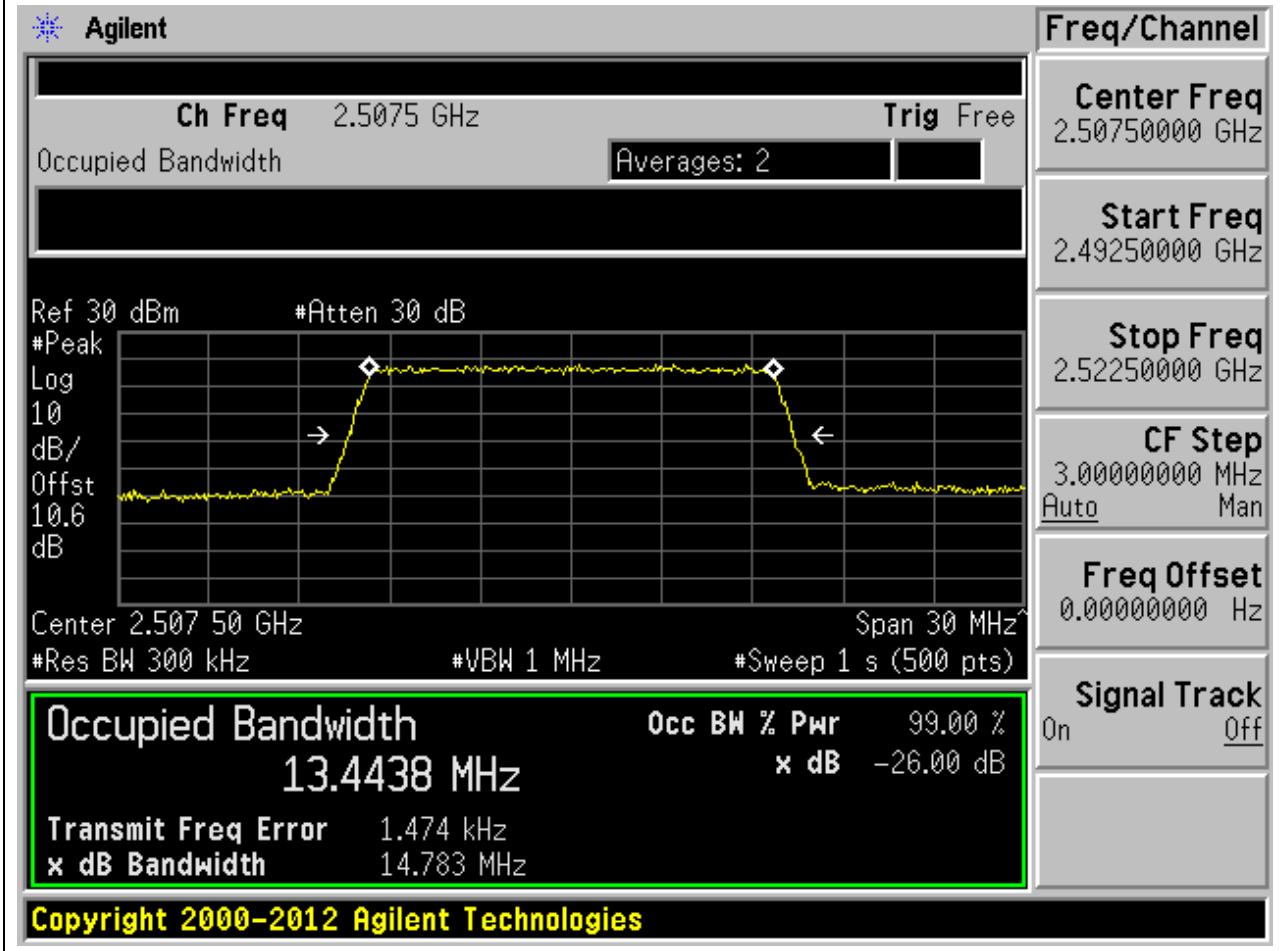
Signal Track On Off

Occupied Bandwidth	Occ BW % Pwr 99.00 %
8.9455 MHz	x dB -26.00 dB
Transmit Freq Error -13.842 kHz	
x dB Bandwidth 9.806 MHz	

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11.13. 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	13.44	14.78	15	Pass



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

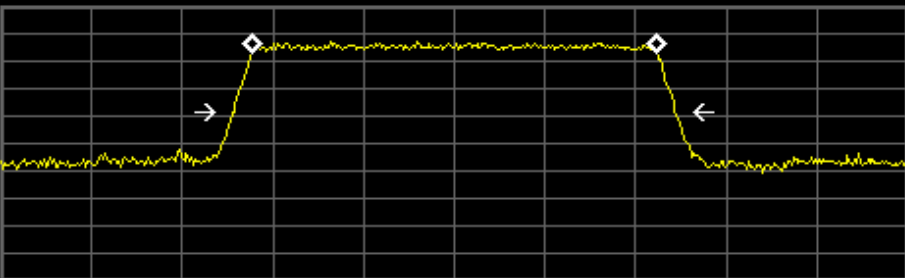
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2507.5	99	26	0.3	Peak	13.43	14.67	15	Pass

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

13.4318 MHz

Transmit Freq Error 3.104 kHz

x dB Bandwidth 14.667 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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11.15. 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	13.4	14.7	15	Pass

Agilent
Freq/Channel

Ch Freq 2.535 GHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Center Freq
2.53500000 GHz

Start Freq
2.52000000 GHz

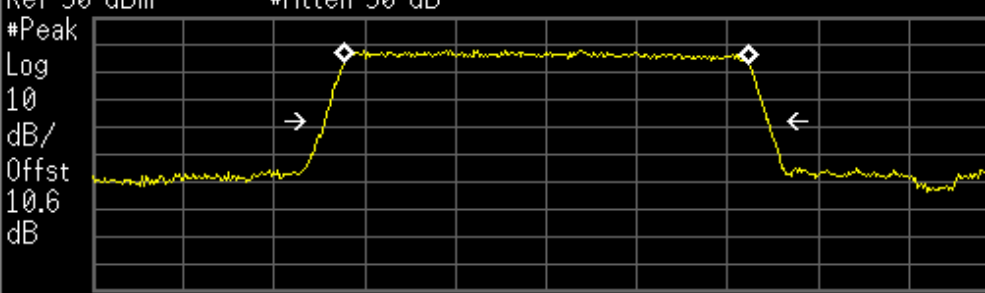
Stop Freq
2.55000000 GHz

CF Step
3.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Ref 30 dBm #Atten 30 dB



Center 2.535 00 GHz Span 30 MHz

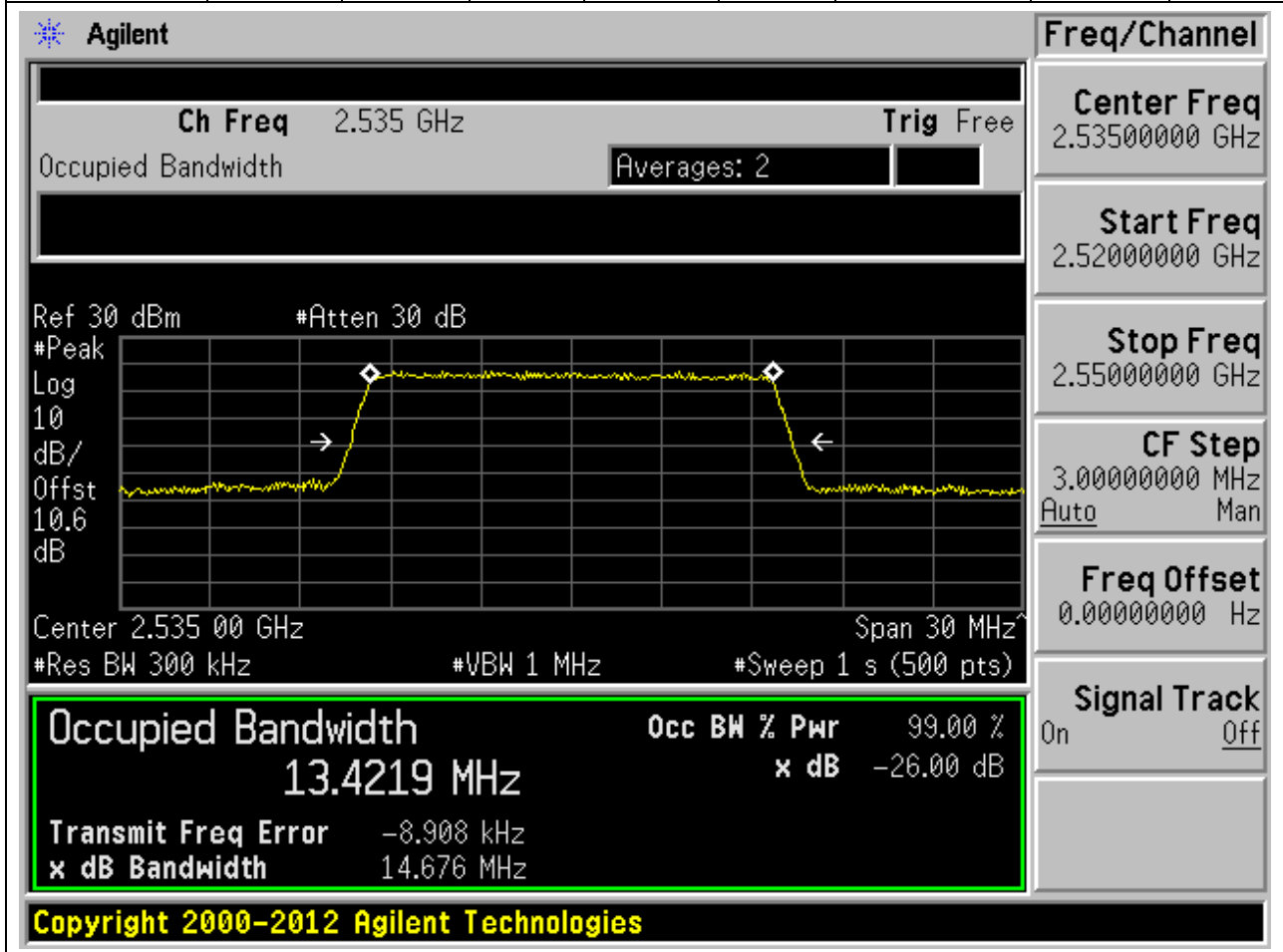
#Res BW 300 kHz #VBW 1 MHz #Sweep 1 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
13.3957 MHz	x dB -26.00 dB
Transmit Freq Error -15.162 kHz	
x dB Bandwidth 14.702 MHz	

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11.16. 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	13.42	14.68	15	Pass



11.17. 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	13.4	14.67	15	Pass

Agilent
Freq/Channel

Ch Freq 2.5625 GHz Trig Free

Occupied Bandwidth Averages: 2

Center Freq 2.56250000 GHz

Start Freq 2.54750000 GHz

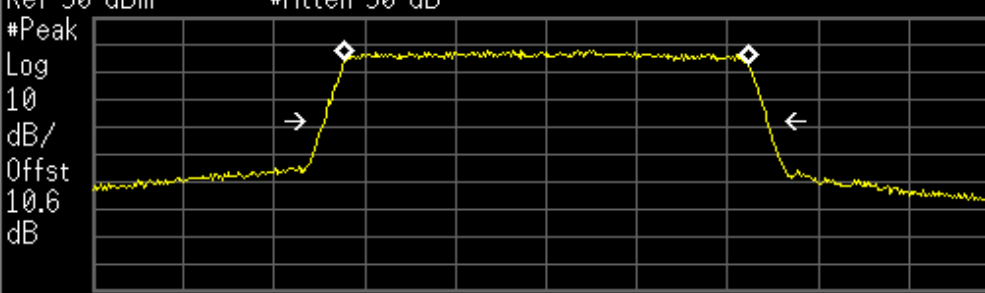
Stop Freq 2.57750000 GHz

CF Step 3.00000000 MHz
Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

Ref 30 dBm #Atten 30 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 %

13.3960 MHz x dB -26.00 dB

Transmit Freq Error -13.341 kHz

x dB Bandwidth 14.668 MHz

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

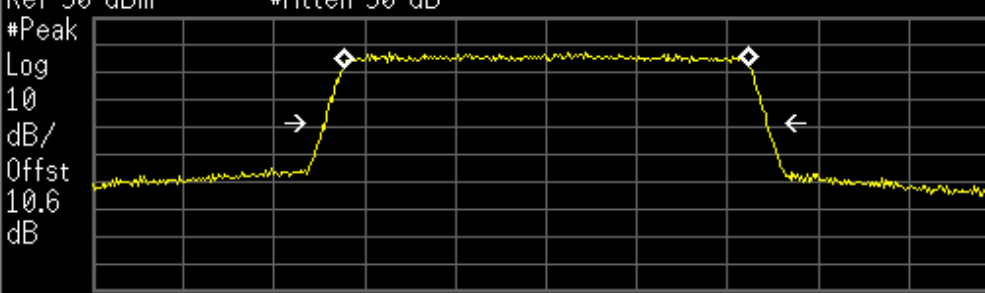
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2562.5	99	26	0.3	Peak	13.42	14.67	15	Pass

Agilent
Freq/Channel

Ch Freq 2.5625 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB



#Peak

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

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
13.4228 MHz	x dB -26.00 dB
Transmit Freq Error -6.281 kHz	
x dB Bandwidth 14.667 MHz	

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

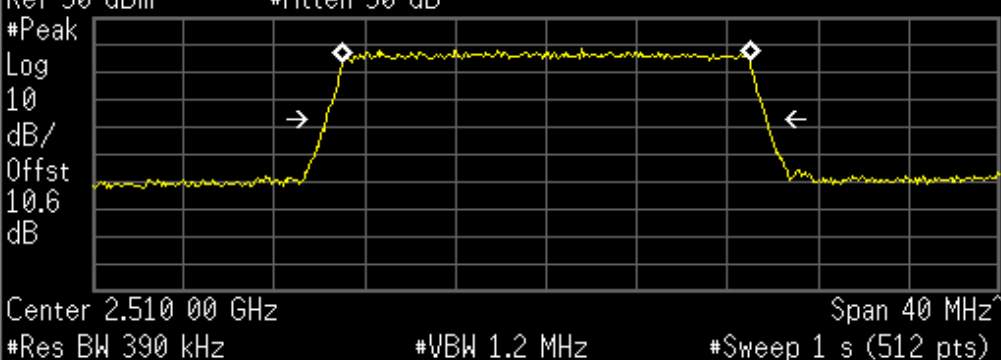
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2510	99	26	0.39	Peak	17.91	19.36	20	Pass

Agilent
Freq/Channel

Ch Freq 2.51 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB



Center 2.510 00 GHz Span 40 MHz

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

Center Freq 2.51000000 GHz

Start Freq 2.49000000 GHz

Stop Freq 2.53000000 GHz

CF Step 4.00000000 MHz
Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

Occupied Bandwidth	Occ BW % Pwr 99.00 %
17.9116 MHz	x dB -26.00 dB
Transmit Freq Error -8.228 kHz	
x dB Bandwidth 19.359 MHz	

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

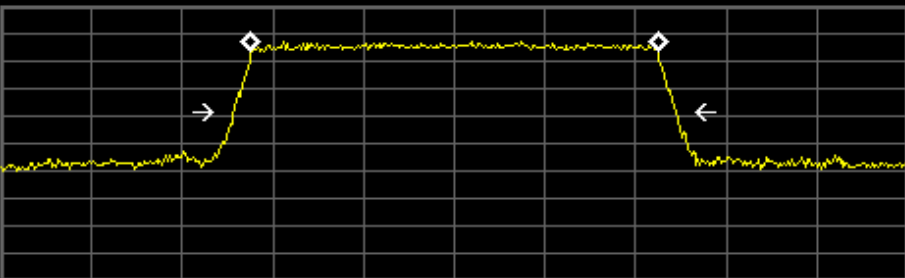
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2510	99	26	0.39	Peak	17.89	19.45	20	Pass

Agilent
Freq/Channel

Ch Freq 2.51 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB



Center 2.510 00 GHz Span 40 MHz

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

Center Freq 2.51000000 GHz

Start Freq 2.49000000 GHz

Stop Freq 2.53000000 GHz

CF Step 4.00000000 MHz
Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

Occupied Bandwidth

17.8930 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error 629.056 Hz

x dB Bandwidth 19.451 MHz

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

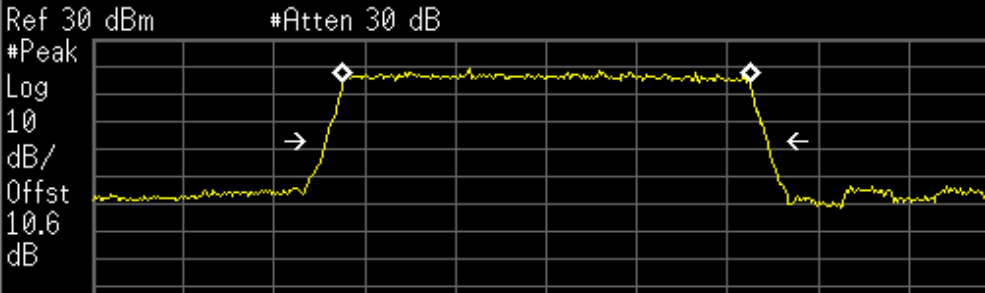
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	0.39	Peak	17.9	19.38	20	Pass

Agilent
Freq/Channel

Ch Freq 2.535 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB



Center 2.535 00 GHz Span 40 MHz

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

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
17.9046 MHz	x dB -26.00 dB
Transmit Freq Error 1.505 kHz	
x dB Bandwidth 19.382 MHz	

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11.22. 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	17.89	19.68	20	Pass

Agilent
Freq/Channel

Ch Freq 2.535 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
10.6

dB

Center 2.535 00 GHz
Span 40 MHz

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

Occupied Bandwidth

17.8859 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error
-15.513 kHz

x dB Bandwidth
19.679 MHz

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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

11.23. 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	17.91	19.59	20	Pass

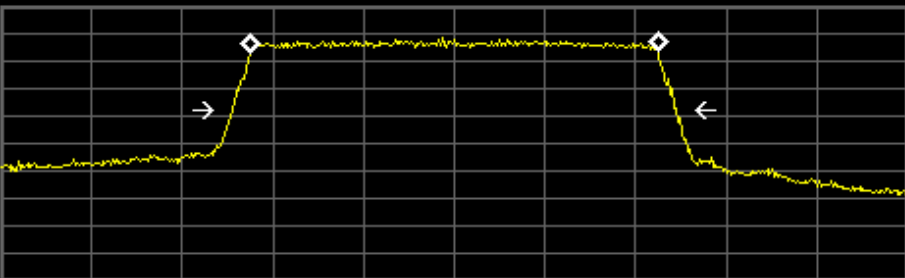
Agilent
Freq/Channel

Ch Freq 2.56 GHz
Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.6 dB



Center 2.560 00 GHz Span 40 MHz

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

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
17.9081 MHz	x dB -26.00 dB
Transmit Freq Error -15.799 kHz	
x dB Bandwidth 19.586 MHz	

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11.24. 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	17.86	19.37	20	Pass

Agilent
Freq/Channel

Ch Freq 2.56 GHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Center Freq
2.56000000 GHz

Start Freq
2.54000000 GHz

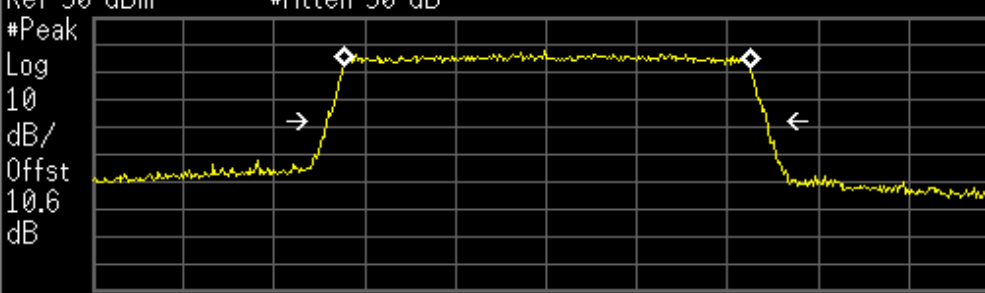
Stop Freq
2.58000000 GHz

CF Step
4.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

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 %
17.8604 MHz	x dB -26.00 dB
Transmit Freq Error 8.571 kHz	
x dB Bandwidth 19.368 MHz	

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12. LTE_Band12

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



12.2. LTE Occupied Bandwidth(NTNV)(Subtest:2, Channel:23017, 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
699.7	99	26	0.027	Peak	1.09	1.23	1.4	Pass

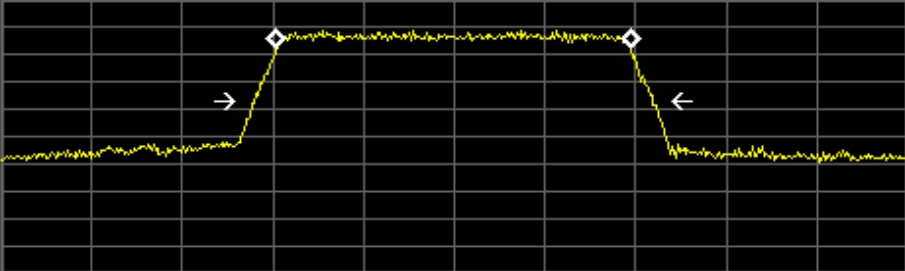
Agilent
Freq/Channel

Ch Freq 699.7 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.13 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.13 dB



Center 699.700 MHz Span 2.8 MHz

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

Center Freq 699.700000 MHz

Start Freq 698.300000 MHz

Stop Freq 701.100000 MHz

CF Step 280.000000 kHz Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

1.0871 MHz x dB -26.00 dB

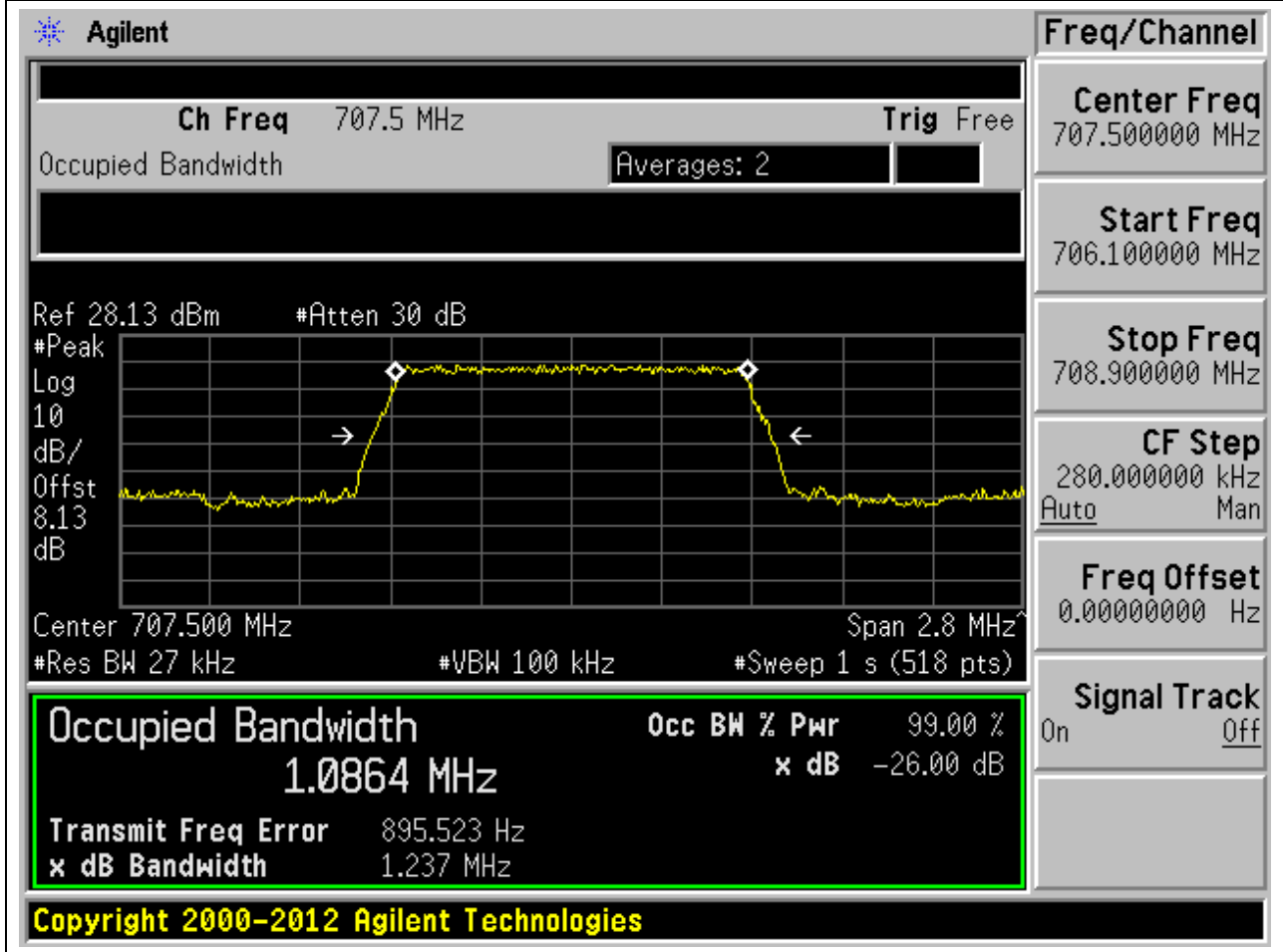
Transmit Freq Error -2.325 kHz

x dB Bandwidth 1.233 MHz

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12.3. 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	1.09	1.24	1.4	Pass



12.4. 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	1.08	1.22	1.4	Pass

Agilent
Freq/Channel

Ch Freq 707.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.13 dBm #Atten 30 dB



Center 707.500 MHz Span 2.8 MHz

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

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
1.0847 MHz	x dB -26.00 dB
Transmit Freq Error 159.861 Hz	
x dB Bandwidth 1.221 MHz	

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

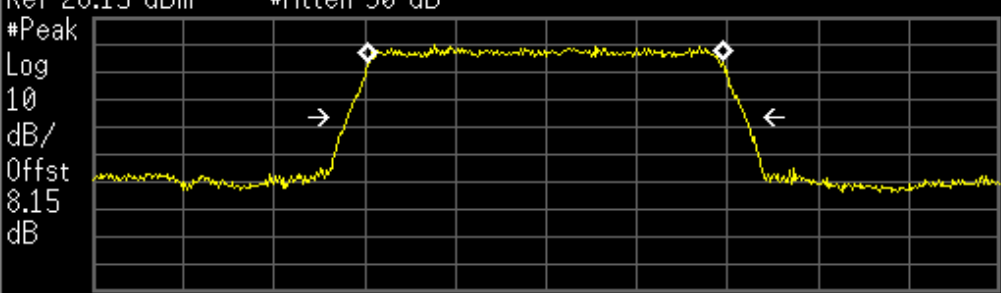
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
715.3	99	26	0.027	Peak	1.09	1.22	1.4	Pass

Agilent
Freq/Channel

Ch Freq 715.3 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.15 dBm #Atten 30 dB



Center 715.300 MHz Span 2.8 MHz

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

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

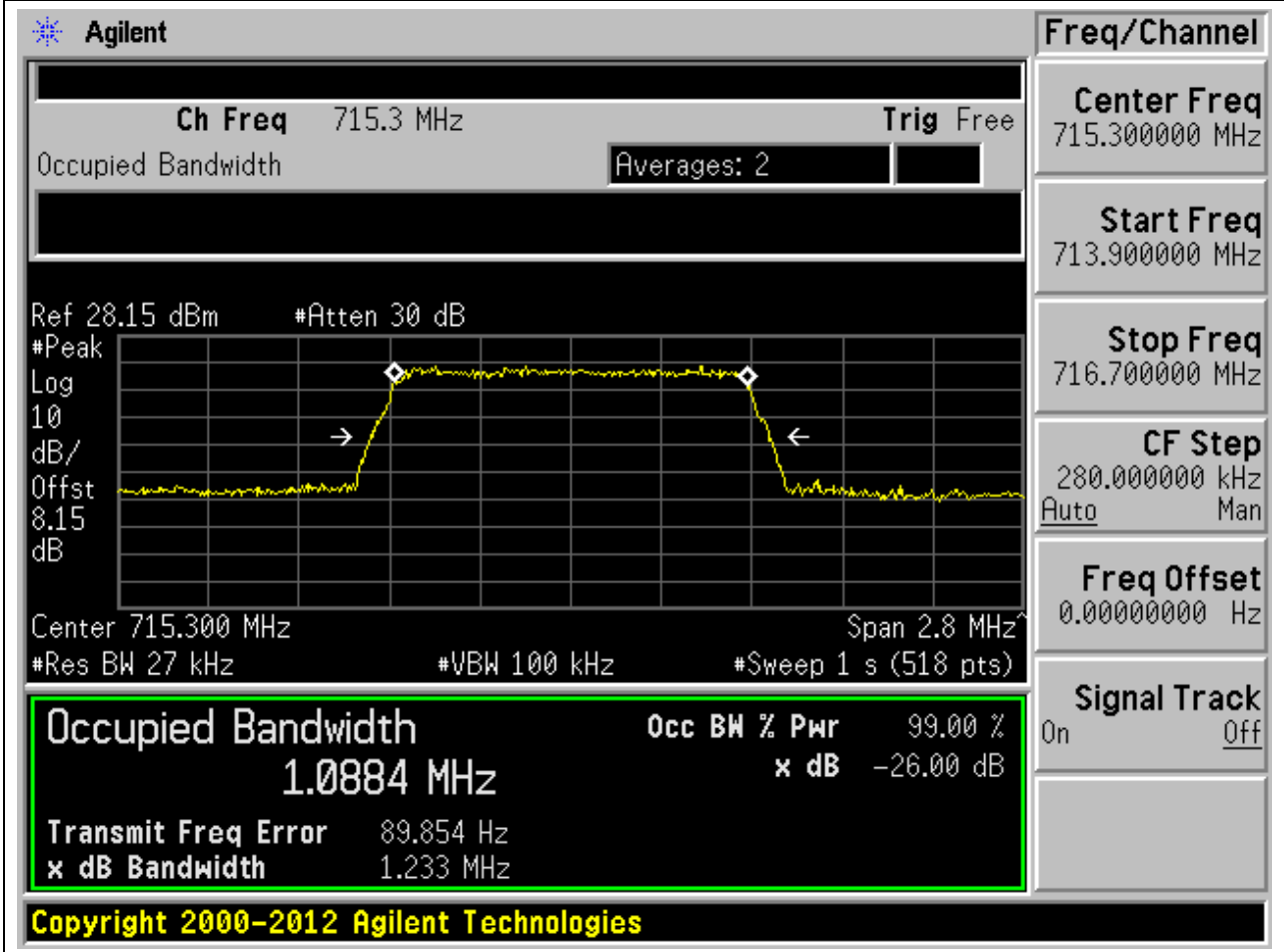
Signal Track
On Off

Occupied Bandwidth	Occ BW % Pwr 99.00 %
1.0901 MHz	x dB -26.00 dB
Transmit Freq Error -1.429 kHz	
x dB Bandwidth 1.225 MHz	

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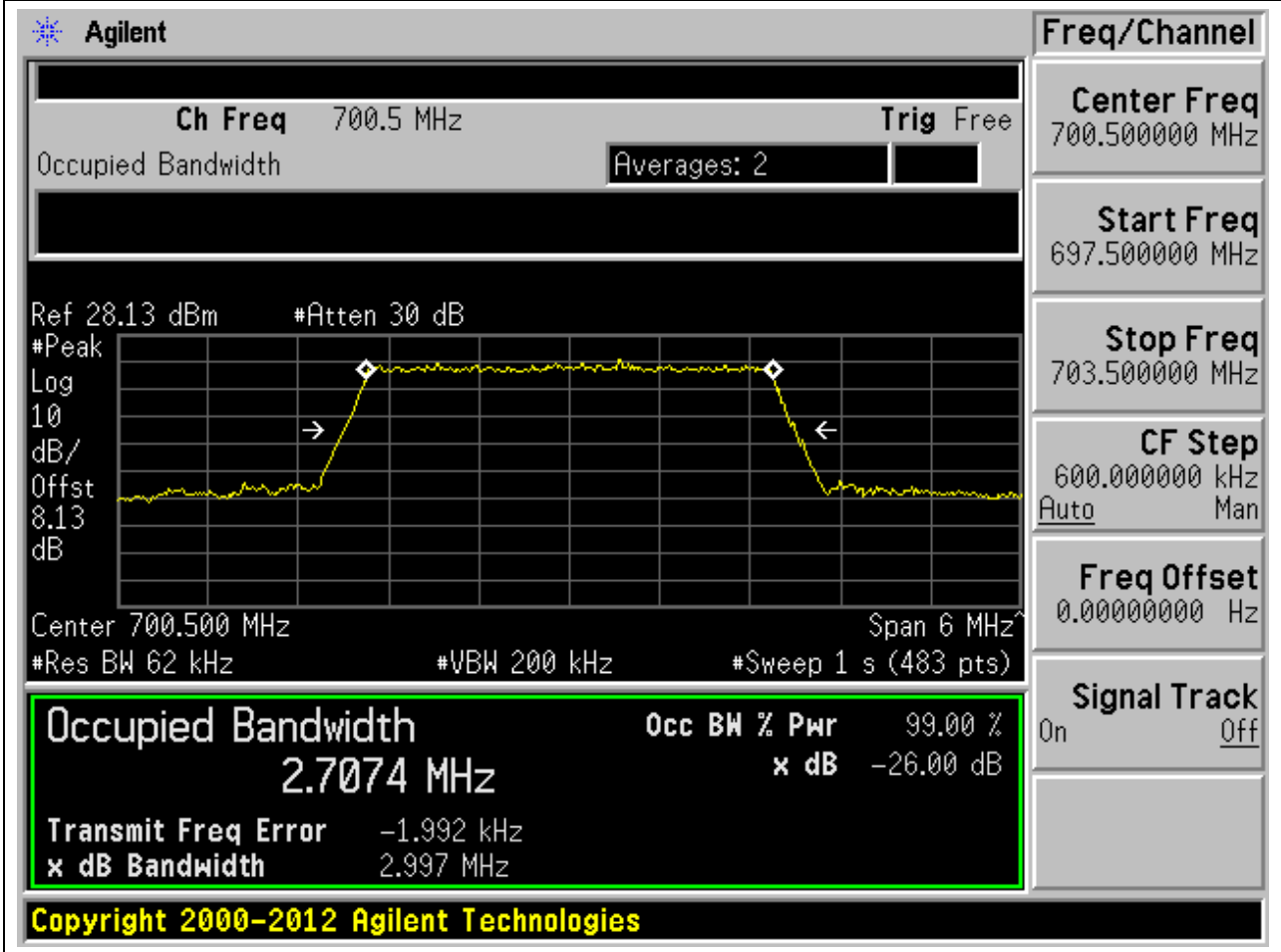
12.6. LTE Occupied Bandwidth(NTNV)(Subtest:6, Channel:23173, Bandwidth:1.4, Modulation:Q16, RB Number: 6, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
715.3	99	26	0.027	Peak	1.09	1.23	1.4	Pass



12.7. 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	2.71	3	3	Pass



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

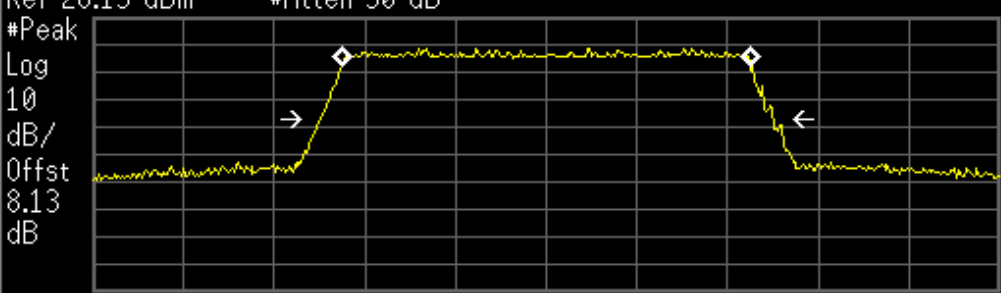
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
700.5	99	26	0.062	Peak	2.7	3	3	Pass

Agilent
Freq/Channel

Ch Freq 700.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.13 dBm #Atten 30 dB



Center 700.500 MHz Span 6 MHz

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

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

Occupied Bandwidth

2.6979 MHz

Transmit Freq Error -1.841 kHz

x dB Bandwidth 2.997 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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

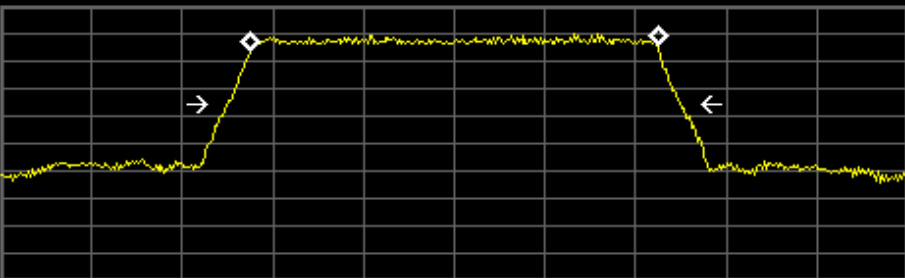
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
707.5	99	26	0.062	Peak	2.7	3.01	3	Pass

Agilent
Freq/Channel

Ch Freq 707.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.13 dBm #Atten 30 dB



Center 707.500 MHz Span 6 MHz

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

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
2.7031 MHz	x dB -26.00 dB
Transmit Freq Error -3.000 kHz	
x dB Bandwidth 3.008 MHz	

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

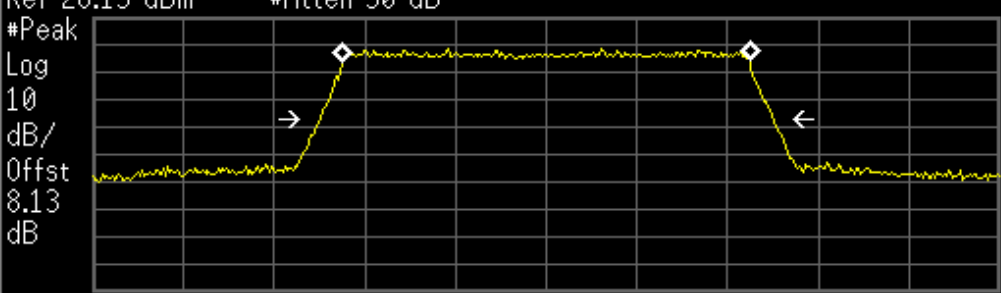
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
707.5	99	26	0.062	Peak	2.7	3.01	3	Pass

Agilent
Freq/Channel

Ch Freq 707.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.13 dBm #Atten 30 dB



Center 707.500 MHz Span 6 MHz

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

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

Occupied Bandwidth

2.6983 MHz

Transmit Freq Error -3.855 kHz

x dB Bandwidth 3.012 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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12.11. 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	2.7	3.01	3	Pass

Agilent
Freq/Channel

Ch Freq 714.5 MHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Center Freq
714.500000 MHz

Start Freq
711.500000 MHz

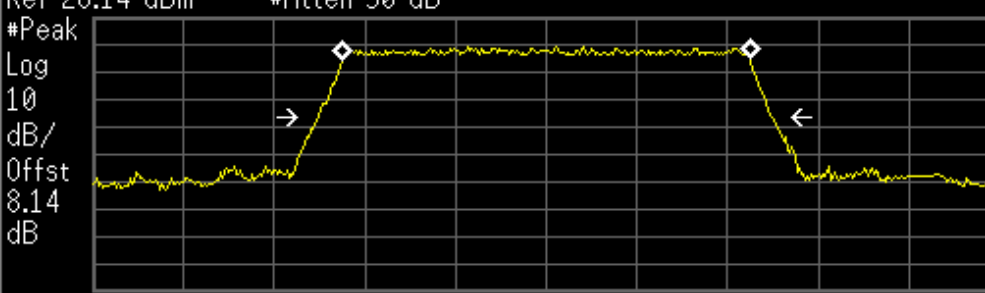
Stop Freq
717.500000 MHz

CF Step
600.000000 kHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Ref 28.14 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 %

2.7003 MHz **x dB** -26.00 dB

Transmit Freq Error -2.839 kHz

x dB Bandwidth 3.010 MHz

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12.12. 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	3.02	3	Pass

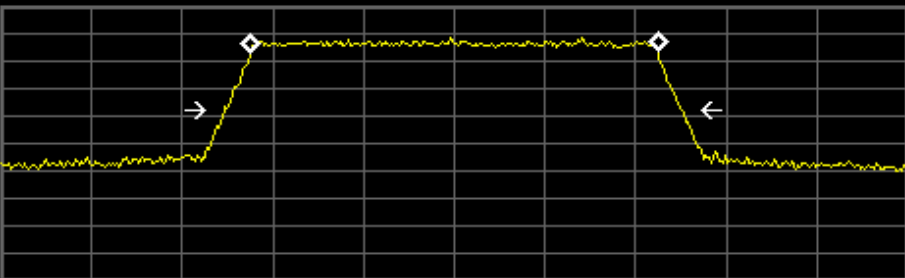
Agilent
Freq/Channel

Ch Freq 714.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.14 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.14 dB



Center 714.500 MHz Span 6 MHz

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

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
2.6960 MHz	x dB -26.00 dB
Transmit Freq Error -4.301 kHz	
x dB Bandwidth 3.023 MHz	

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12.13. 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	4.51	4.97	5	Pass

Agilent
Freq/Channel

Ch Freq 701.5 MHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Center Freq
701.500000 MHz

Start Freq
696.500000 MHz

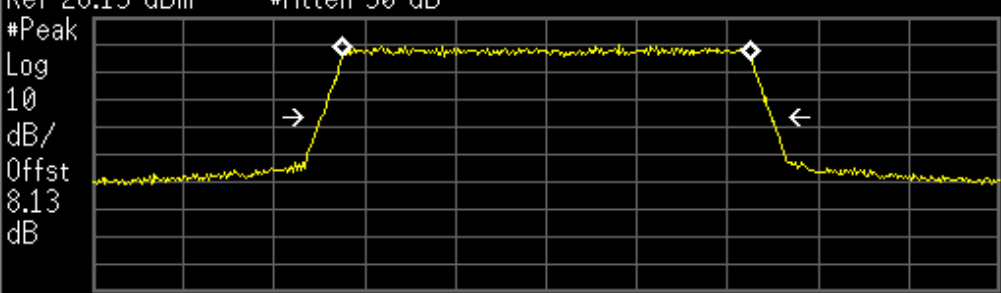
Stop Freq
706.500000 MHz

CF Step
1.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Ref 28.13 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 %
4.5066 MHz	x dB -26.00 dB
Transmit Freq Error -1.311 kHz	
x dB Bandwidth 4.966 MHz	

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12.14. LTE Occupied Bandwidth(NTNV)(Subtest:14, Channel:23035, 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
701.5	99	26	0.1	Peak	4.5	4.93	5	Pass

Agilent
Freq/Channel

Ch Freq 701.5 MHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Center Freq
701.500000 MHz

Start Freq
696.500000 MHz

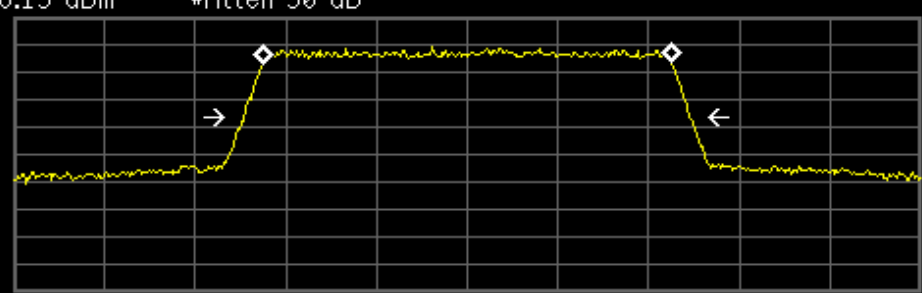
Stop Freq
706.500000 MHz

CF Step
1.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Ref 28.13 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 %
4.4992 MHz	x dB -26.00 dB
Transmit Freq Error -753.076 Hz	
x dB Bandwidth 4.933 MHz	

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

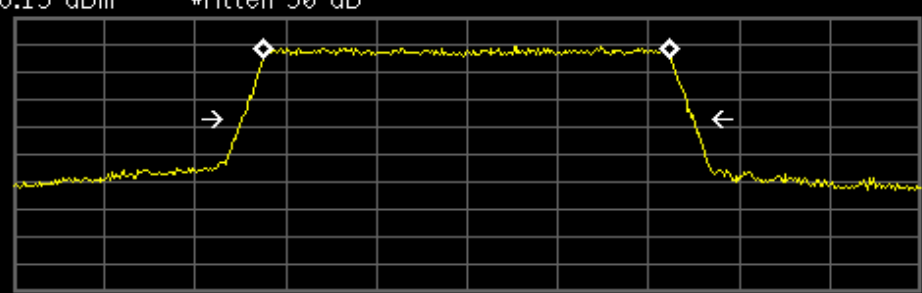
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
707.5	99	26	0.1	Peak	4.49	5	5	Pass

Agilent
Freq/Channel

Ch Freq 707.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.13 dBm #Atten 30 dB



Center 707.500 MHz Span 10 MHz

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

Center Freq 707.500000 MHz

Start Freq 702.500000 MHz

Stop Freq 712.500000 MHz

CF Step 1.00000000 MHz

Freq Offset 0.00000000 Hz

Signal Track On Off

Occupied Bandwidth

4.4933 MHz

Transmit Freq Error -4.456 kHz

x dB Bandwidth 4.999 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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12.16. 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	4.51	4.95	5	Pass

Agilent
Freq/Channel

Ch Freq 707.5 MHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Center Freq
707.500000 MHz

Start Freq
702.500000 MHz

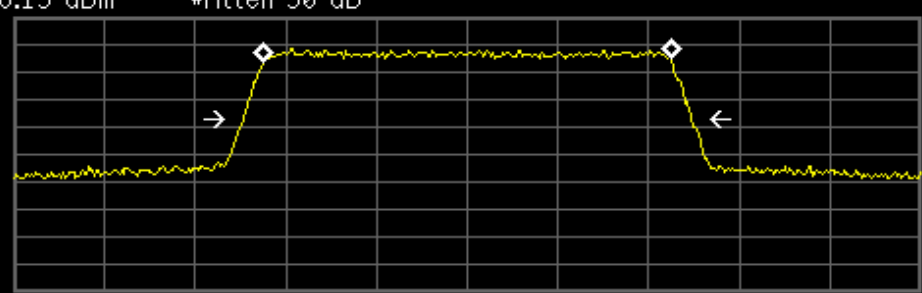
Stop Freq
712.500000 MHz

CF Step
1.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Ref 28.13 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 %
4.5076 MHz	x dB -26.00 dB
Transmit Freq Error -2.245 kHz	
x dB Bandwidth 4.953 MHz	

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12.17. 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	4.49	4.98	5	Pass

Agilent
Freq/Channel

Ch Freq 713.5 MHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Center Freq
713.500000 MHz

Start Freq
708.500000 MHz

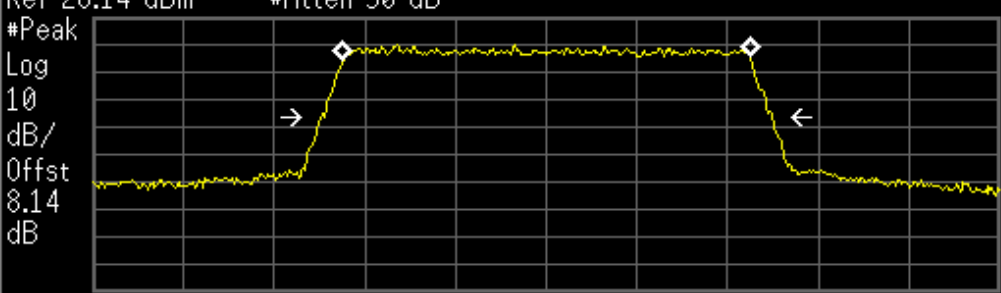
Stop Freq
718.500000 MHz

CF Step
1.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Ref 28.14 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 %
4.4941 MHz	x dB -26.00 dB
Transmit Freq Error -1.423 kHz	
x dB Bandwidth 4.985 MHz	

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

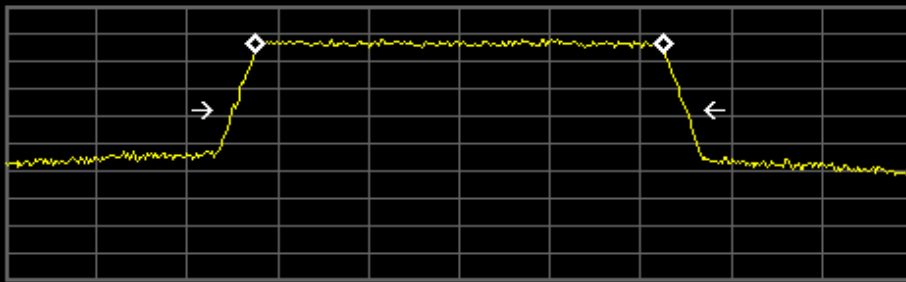
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
713.5	99	26	0.1	Peak	4.5	5.02	5	Pass

Agilent
Freq/Channel

Ch Freq 713.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.14 dBm #Atten 30 dB



Center 713.500 MHz Span 10 MHz

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

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

Occupied Bandwidth

4.5040 MHz

Transmit Freq Error 1.352 kHz

x dB Bandwidth 5.016 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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12.19. 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	8.97	9.83	10	Pass

Agilent
Freq/Channel

Ch Freq 704 MHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Center Freq
704.000000 MHz

Start Freq
694.000000 MHz

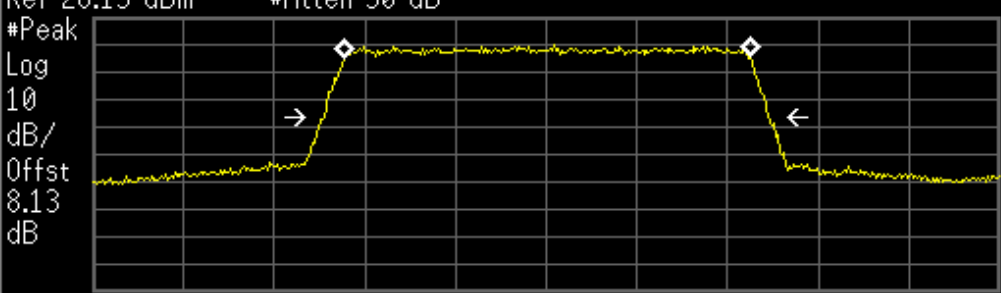
Stop Freq
714.000000 MHz

CF Step
2.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Ref 28.13 dBm #Atten 30 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 %

8.9706 MHz **x dB** -26.00 dB

Transmit Freq Error 6.863 kHz

x dB Bandwidth 9.827 MHz

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12.20. LTE Occupied Bandwidth(NTNV)(Subtest:20, Channel:23060, 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
704	99	26	0.2	Peak	8.96	9.84	10	Pass

Agilent
Freq/Channel

Ch Freq 704 MHz Trig Free

Occupied Bandwidth Averages: 2

Center Freq 704.000000 MHz

Start Freq 694.000000 MHz

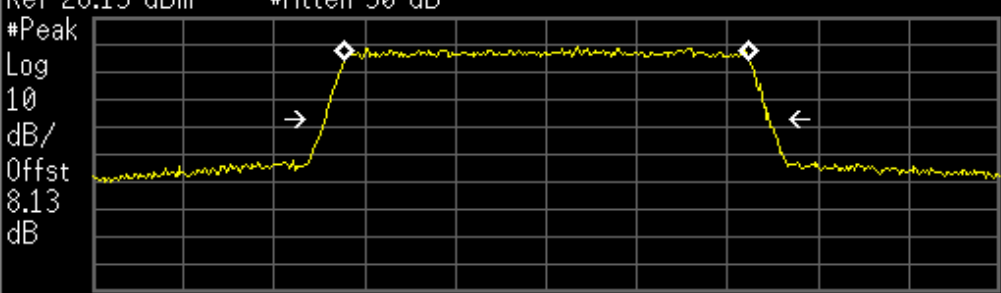
Stop Freq 714.000000 MHz

CF Step 2.00000000 MHz
Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

Ref 28.13 dBm #Atten 30 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 %

8.9575 MHz x dB -26.00 dB

Transmit Freq Error 5.700 kHz

x dB Bandwidth 9.844 MHz

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

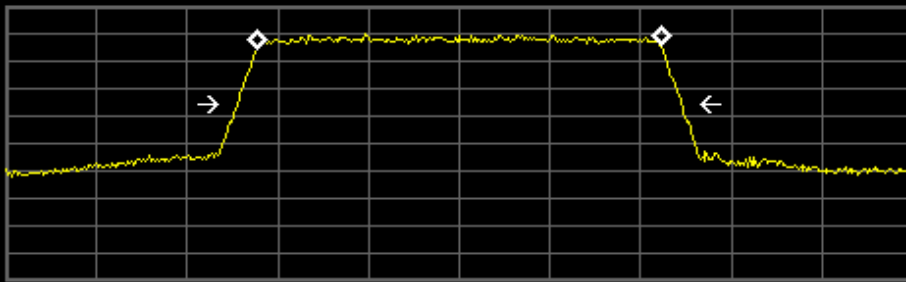
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
707.5	99	26	0.2	Peak	8.95	9.85	10	Pass

Agilent
Freq/Channel

Ch Freq 707.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.13 dBm #Atten 30 dB



Center 707.50 MHz Span 20 MHz

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

Center Freq 707.500000 MHz

Start Freq 697.500000 MHz

Stop Freq 717.500000 MHz

CF Step 2.00000000 MHz

Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

Occupied Bandwidth

8.9485 MHz

Transmit Freq Error -2.111 kHz

x dB Bandwidth 9.848 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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

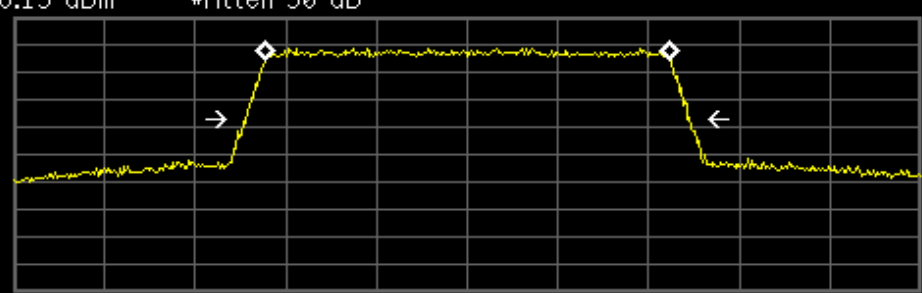
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
707.5	99	26	0.2	Peak	8.95	9.81	10	Pass

Agilent
Freq/Channel

Ch Freq 707.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.13 dBm #Atten 30 dB



Center 707.50 MHz Span 20 MHz

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

Center Freq 707.500000 MHz

Start Freq 697.500000 MHz

Stop Freq 717.500000 MHz

CF Step 2.00000000 MHz

Freq Offset 0.00000000 Hz

Signal Track On

Occupied Bandwidth

8.9535 MHz

Transmit Freq Error 143.503 Hz

x dB Bandwidth 9.809 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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12.23. 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	8.96	9.82	10	Pass

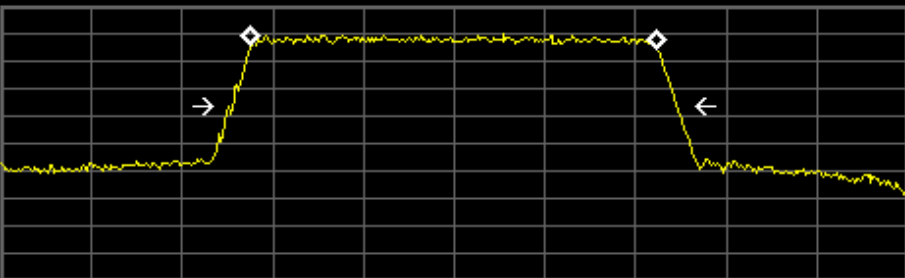
Agilent
Freq/Channel

Ch Freq 711 MHz
Trig Free

Occupied Bandwidth Averages: 2

Ref 28.13 dBm
#Atten 30 dB

#Peak
 Log
 10
 dB/
 Offst
 8.13
 dB



The plot shows a yellow signal trace on a grid. The signal is flat at a high level between two points marked with diamonds. Arrows point to these diamonds from the left and right. The signal drops off on both sides.

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 %
8.9614 MHz	x dB -26.00 dB
Transmit Freq Error	-6.373 kHz
x dB Bandwidth	9.819 MHz

Signal Track
 On Off

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

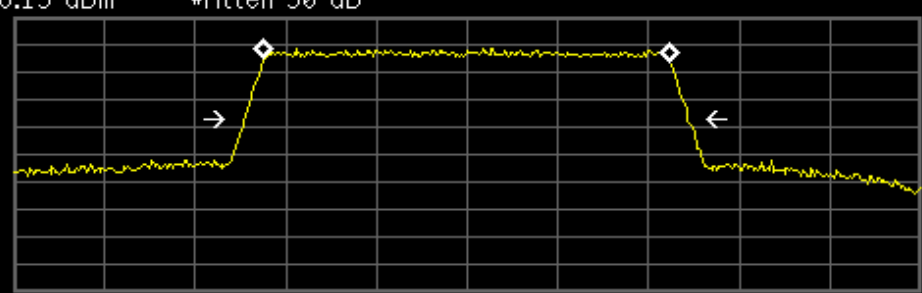
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
711	99	26	0.2	Peak	8.97	9.79	10	Pass

Agilent
Freq/Channel

Ch Freq 711 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.13 dBm #Atten 30 dB



Center 711.00 MHz Span 20 MHz

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

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

Occupied Bandwidth

8.9717 MHz

Transmit Freq Error -14.806 kHz

x dB Bandwidth 9.793 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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13. LTE_Band17

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



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

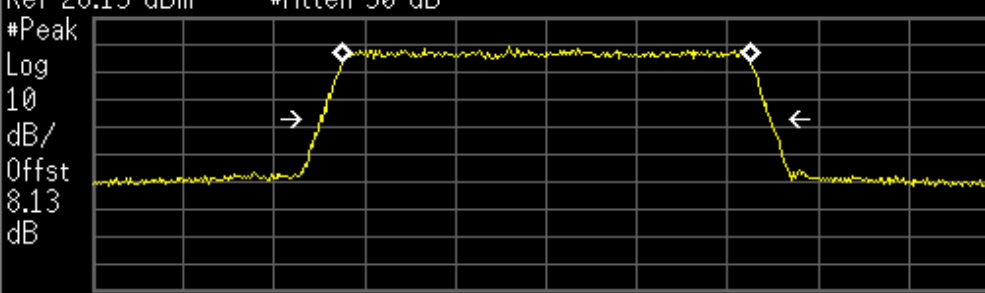
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
706.5	99	26	0.1	Peak	4.5	4.95	5	Pass

Agilent
Freq/Channel

Ch Freq 706.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.13 dBm #Atten 30 dB



Center 706.500 MHz Span 10 MHz

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

Center Freq 706.500000 MHz

Start Freq 701.500000 MHz

Stop Freq 711.500000 MHz

CF Step 1.00000000 MHz

Freq Offset 0.00000000 Hz

Signal Track On Off

Occupied Bandwidth

4.5037 MHz

Transmit Freq Error -891.995 Hz

x dB Bandwidth 4.948 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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

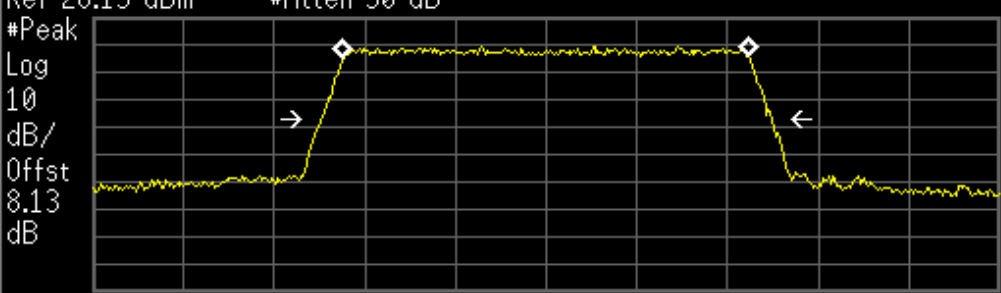
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
710	99	26	0.1	Peak	4.49	4.97	5	Pass

Agilent
Freq/Channel

Ch Freq 710 MHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Ref 28.13 dBm #Atten 30 dB



Center 710.000 MHz Span 10 MHz

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

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

4.4916 MHz

Transmit Freq Error -1.476 kHz

x dB Bandwidth 4.968 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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

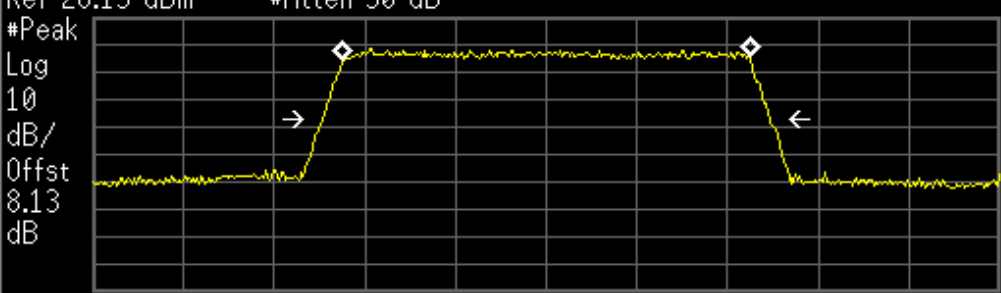
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
710	99	26	0.1	Peak	4.5	4.95	5	Pass

Agilent
Freq/Channel

Ch Freq 710 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.13 dBm #Atten 30 dB



Center 710.000 MHz Span 10 MHz

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

Center Freq 710.000000 MHz

Start Freq 705.000000 MHz

Stop Freq 715.000000 MHz

CF Step 1.00000000 MHz

Freq Offset 0.00000000 Hz

Signal Track On Off

Occupied Bandwidth

4.5050 MHz

Transmit Freq Error -1.431 kHz

x dB Bandwidth 4.947 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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13.5. 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	4.49	4.95	5	Pass

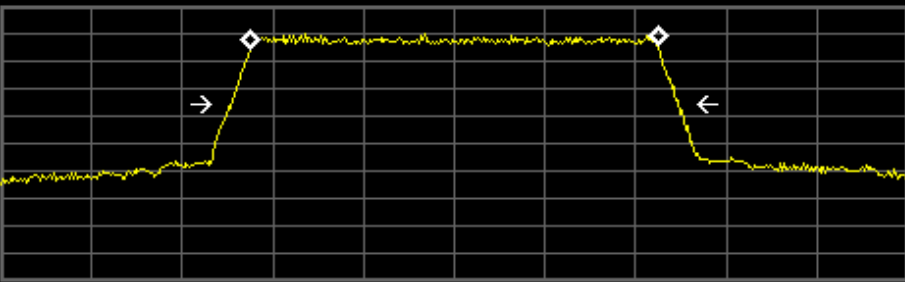
Agilent
Freq/Channel

Ch Freq 713.5 MHz
Trig Free

Occupied Bandwidth Averages: 2

Ref 28.14 dBm
#Atten 30 dB

#Peak
 Log
 10
 dB/
 Offst
 8.14
 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 %
4.4944 MHz	x dB	-26.00 dB
Transmit Freq Error	1.161 kHz	
x dB Bandwidth	4.948 MHz	

Signal Track
 On Off

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13.6. LTE Occupied Bandwidth(NTNV)(Subtest:6, Channel:23825, 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
713.5	99	26	0.1	Peak	4.51	4.99	5	Pass

Agilent
Freq/Channel

Ch Freq 713.5 MHz **Trig** Free

Occupied Bandwidth Averages: 2

Center Freq
713.500000 MHz

Start Freq
708.500000 MHz

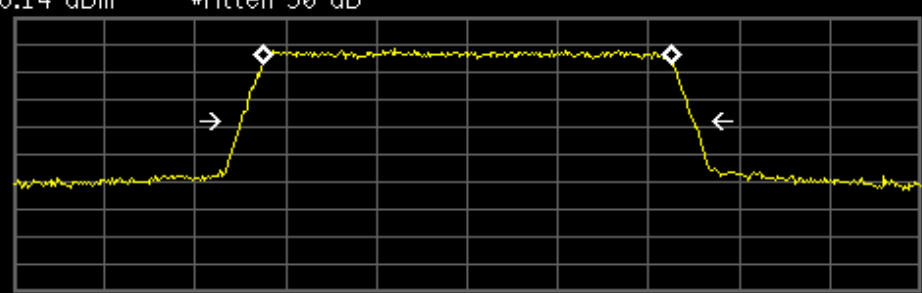
Stop Freq
718.500000 MHz

CF Step
1.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Ref 28.14 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 %
4.5090 MHz	x dB -26.00 dB
Transmit Freq Error 2.404 kHz	
x dB Bandwidth 4.993 MHz	

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

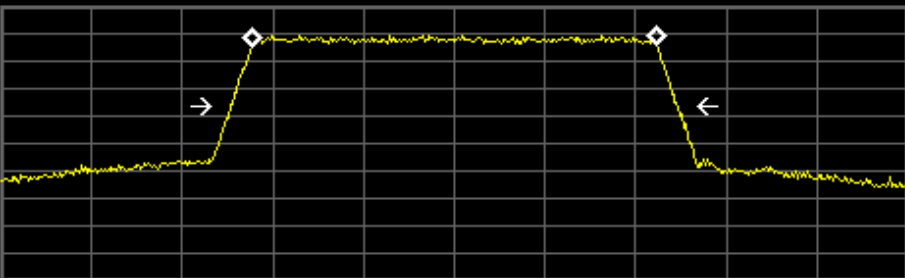
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
709	99	26	0.2	Peak	8.96	9.88	10	Pass

Agilent
Freq/Channel

Ch Freq 709 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.13 dBm #Atten 30 dB



Center 709.00 MHz Span 20 MHz

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

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

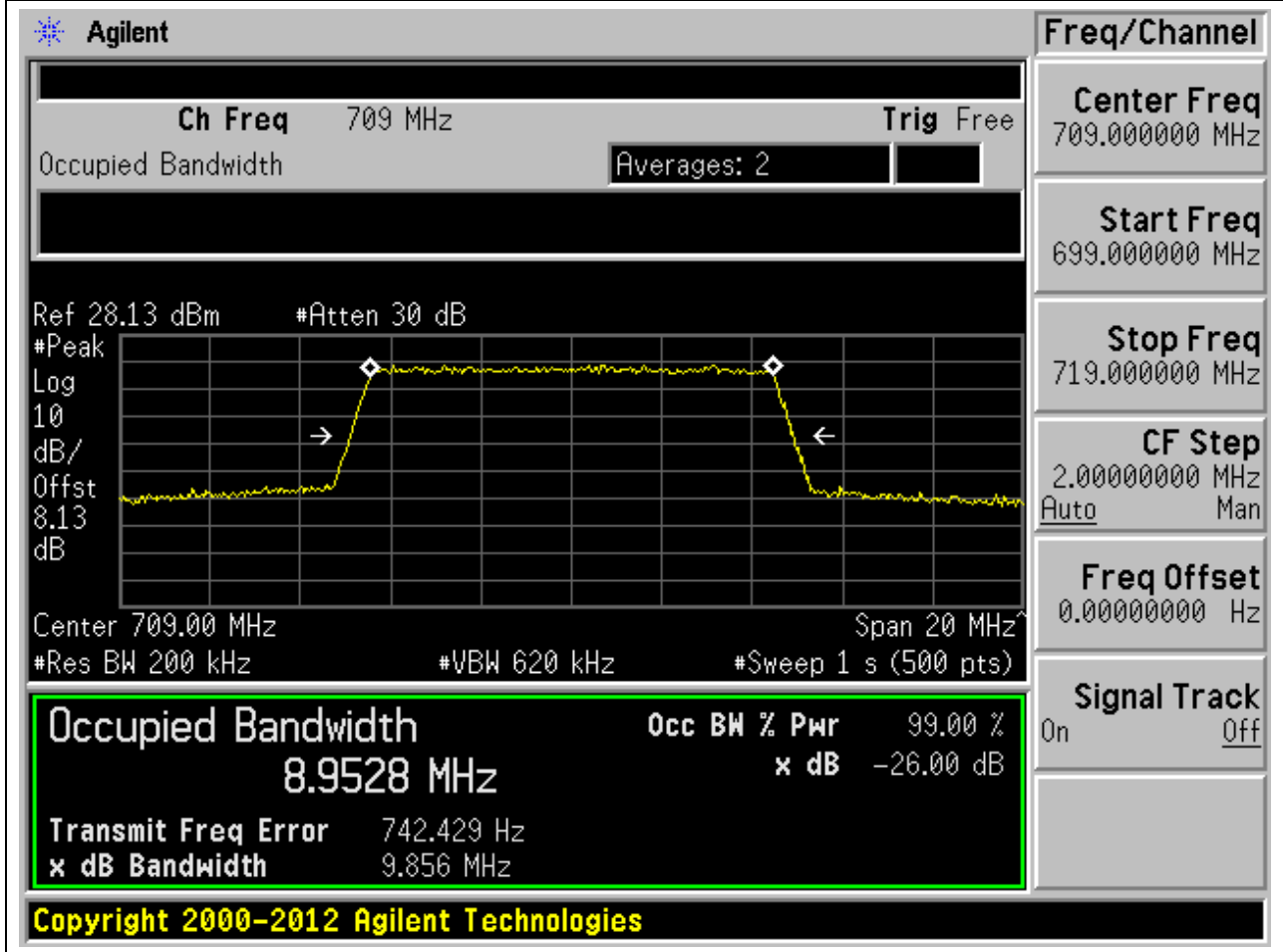
Signal Track
On Off

Occupied Bandwidth	Occ BW % Pwr 99.00 %
8.9610 MHz	x dB -26.00 dB
Transmit Freq Error -1.201 kHz	
x dB Bandwidth 9.876 MHz	

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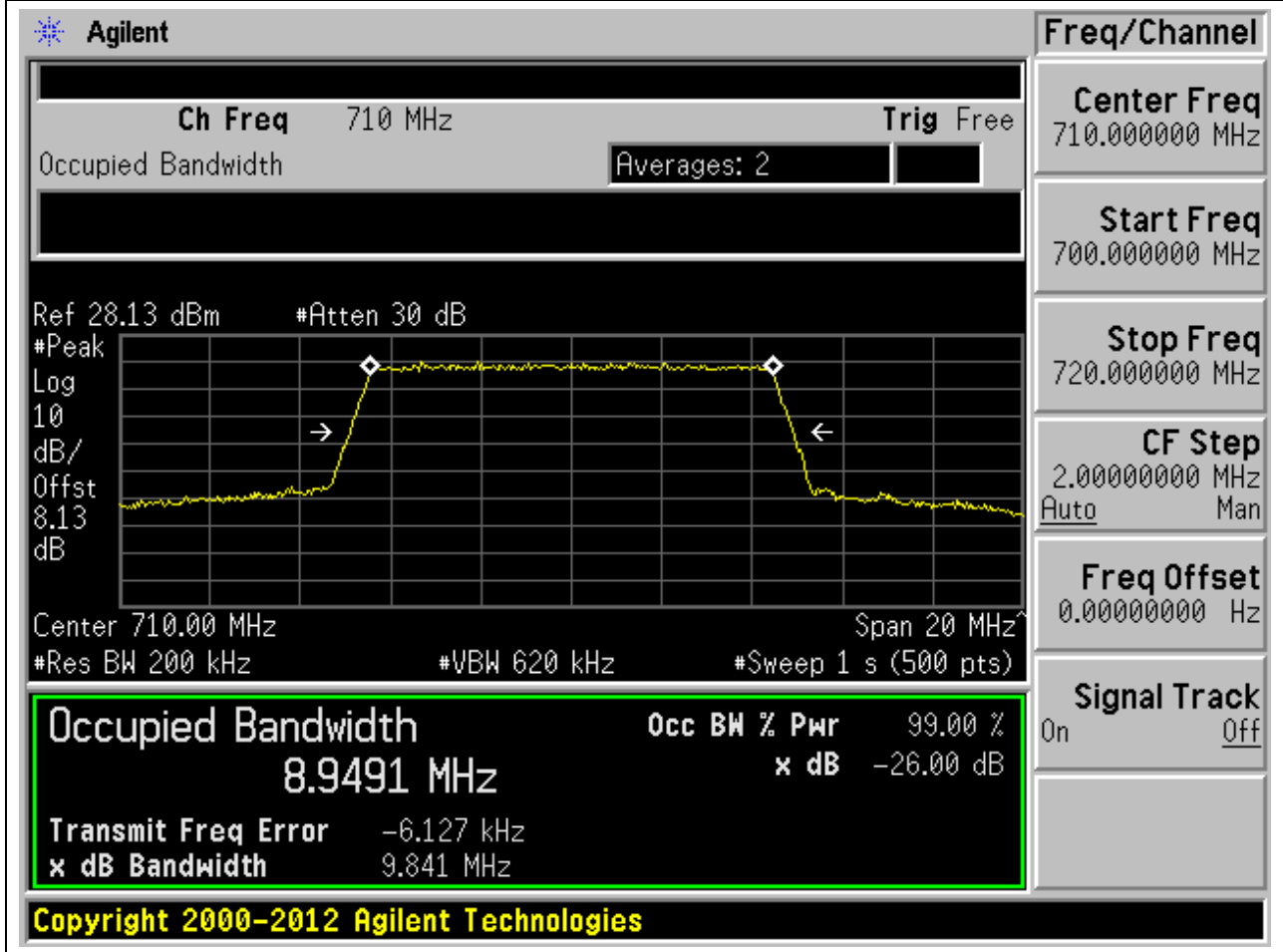
13.8. LTE Occupied Bandwidth(NTNV)(Subtest:8, Channel:23780, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
709	99	26	0.2	Peak	8.95	9.86	10	Pass



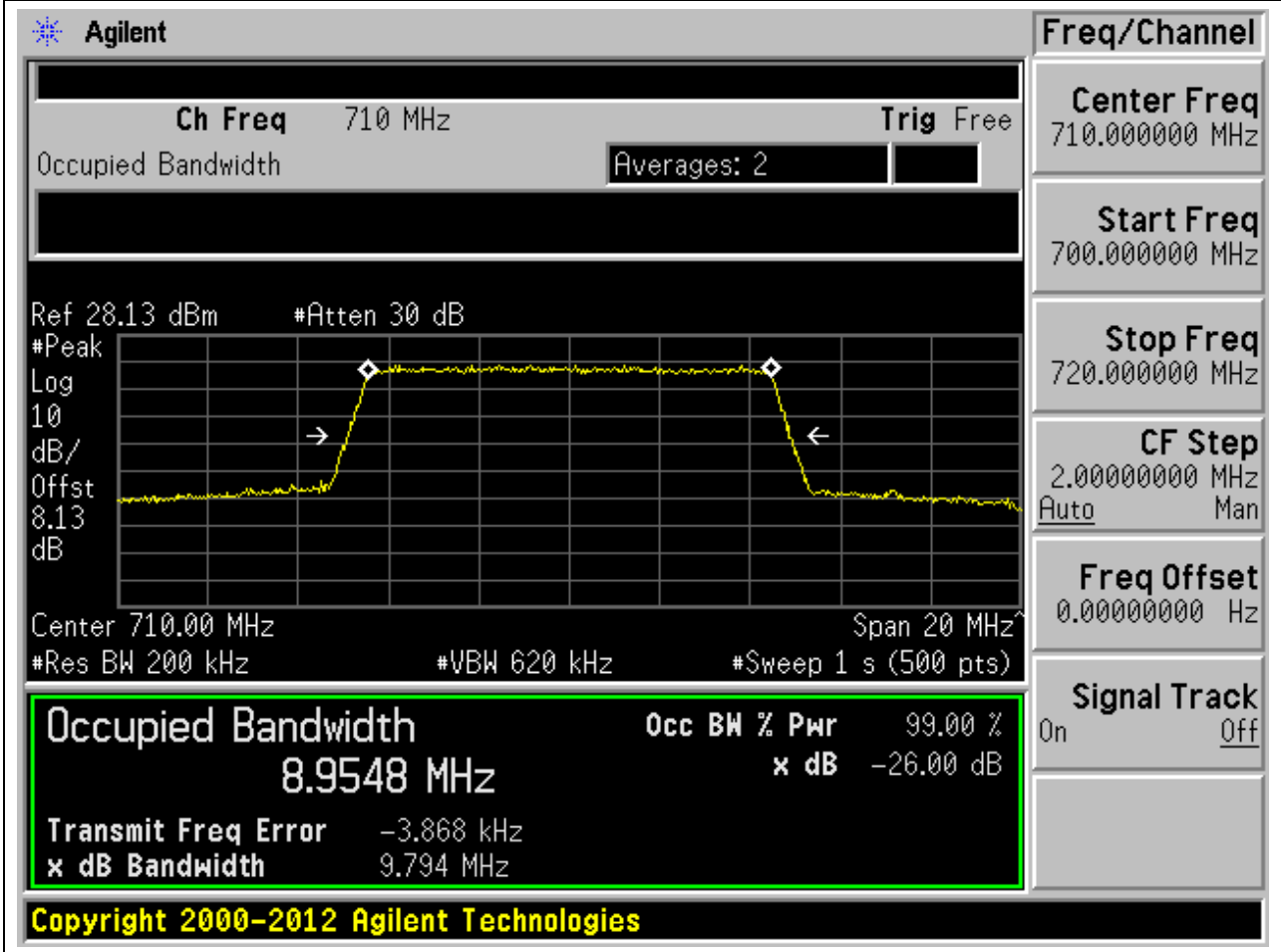
13.9. LTE Occupied Bandwidth(NTNV)(Subtest:9, Channel:23790, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)

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	8.95	9.84	10	Pass



13.10. 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	8.95	9.79	10	Pass



13.11. 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	8.96	9.83	10	Pass

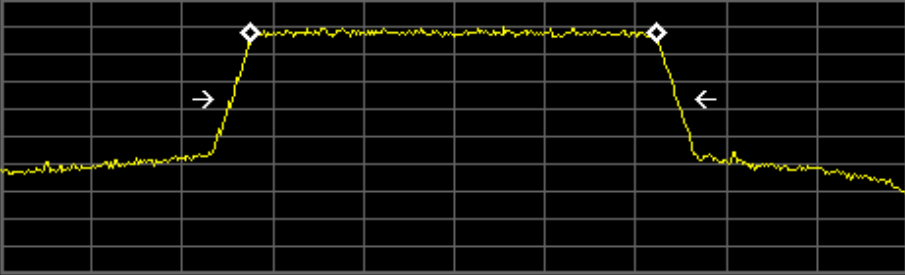
Agilent
Freq/Channel

Ch Freq 711 MHz
Trig Free

Occupied Bandwidth Averages: 2

Ref 28.13 dBm
#Atten 30 dB

#Peak
 Log
 10
 dB/
 Offst
 8.13
 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 %
8.9636 MHz	x dB	-26.00 dB
Transmit Freq Error		-6.052 kHz
x dB Bandwidth		9.827 MHz

Signal Track
On Off

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

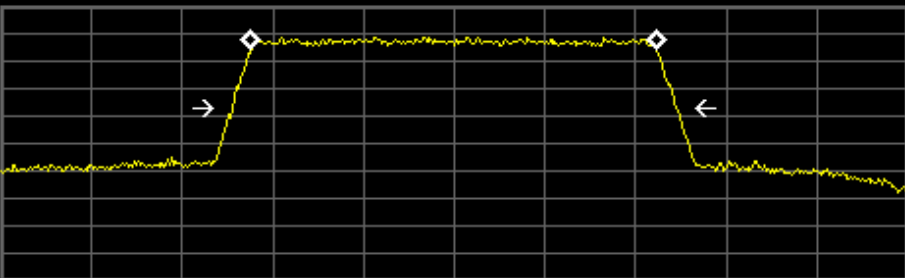
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
711	99	26	0.2	Peak	8.95	9.82	10	Pass

Agilent
Freq/Channel

Ch Freq 711 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.13 dBm #Atten 30 dB



Center 711.00 MHz Span 20 MHz

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

Center Freq 711.000000 MHz

Start Freq 701.000000 MHz

Stop Freq 721.000000 MHz

CF Step 2.00000000 MHz

Freq Offset 0.00000000 Hz

Signal Track On Off

Occupied Bandwidth

8.9533 MHz

Transmit Freq Error -13.599 kHz

x dB Bandwidth 9.816 MHz

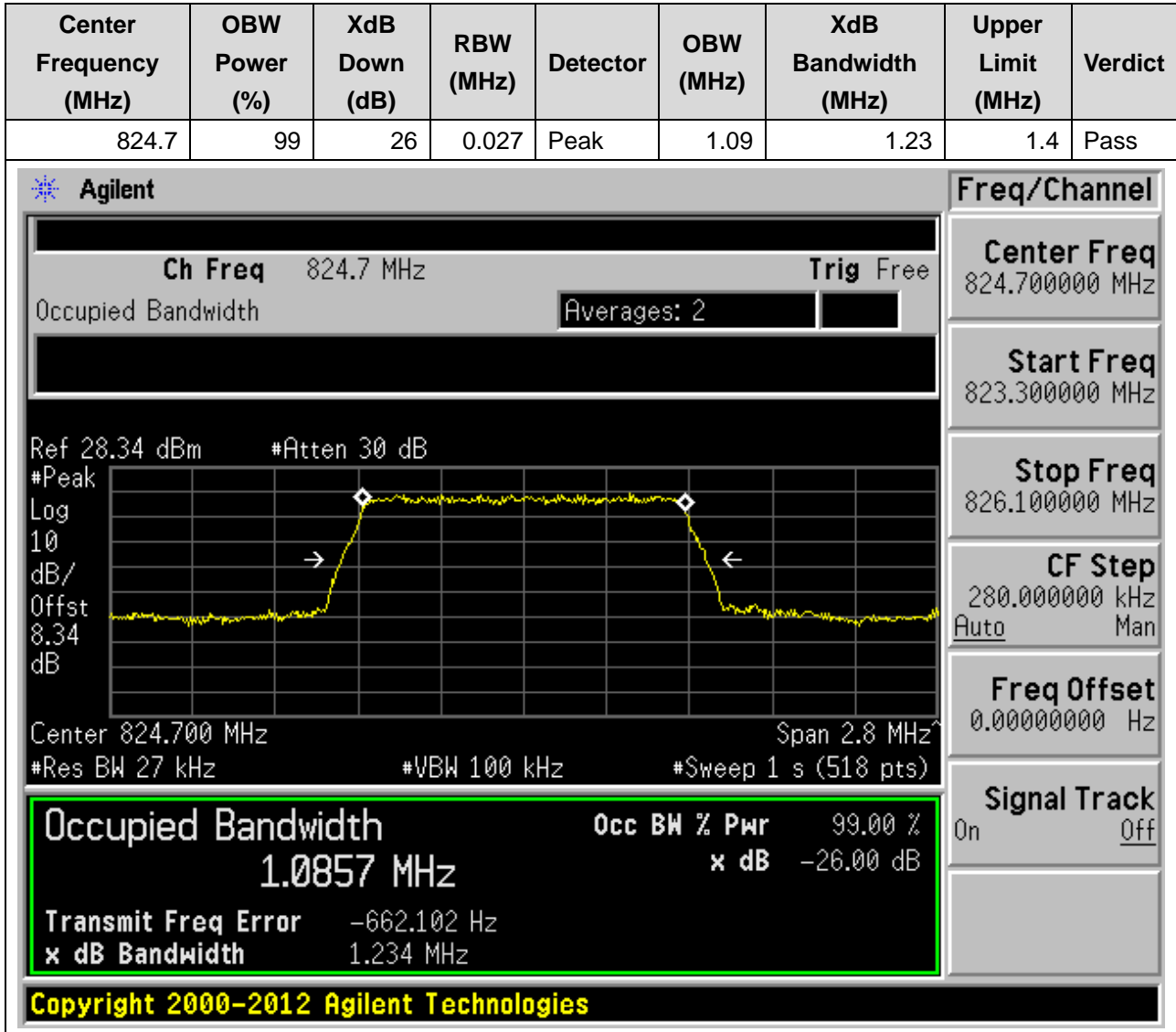
Occ BW % Pwr 99.00 %

x dB -26.00 dB

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14. LTE_Band26(part22)

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



14.2. LTE Occupied Bandwidth(NTNV)(Subtest:2, Channel:26797, 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	1.09	1.24	1.4	Pass

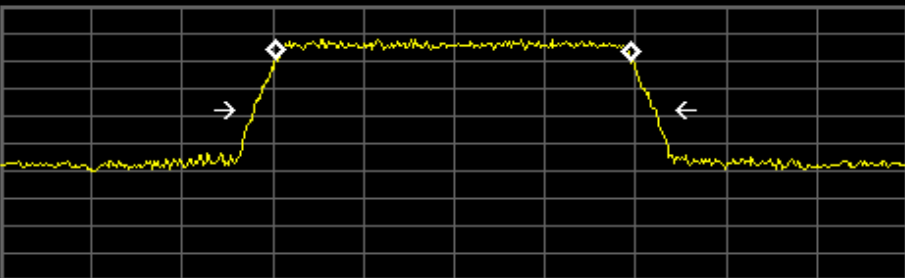
Agilent
Freq/Channel

Ch Freq 824.7 MHz
Trig Free

Occupied Bandwidth Averages: 2

Ref 28.34 dBm
#Atten 30 dB

#Peak
 Log
 10
 dB/
 Offst
 8.34
 dB



Center 824.700 MHz
Span 2.8 MHz

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

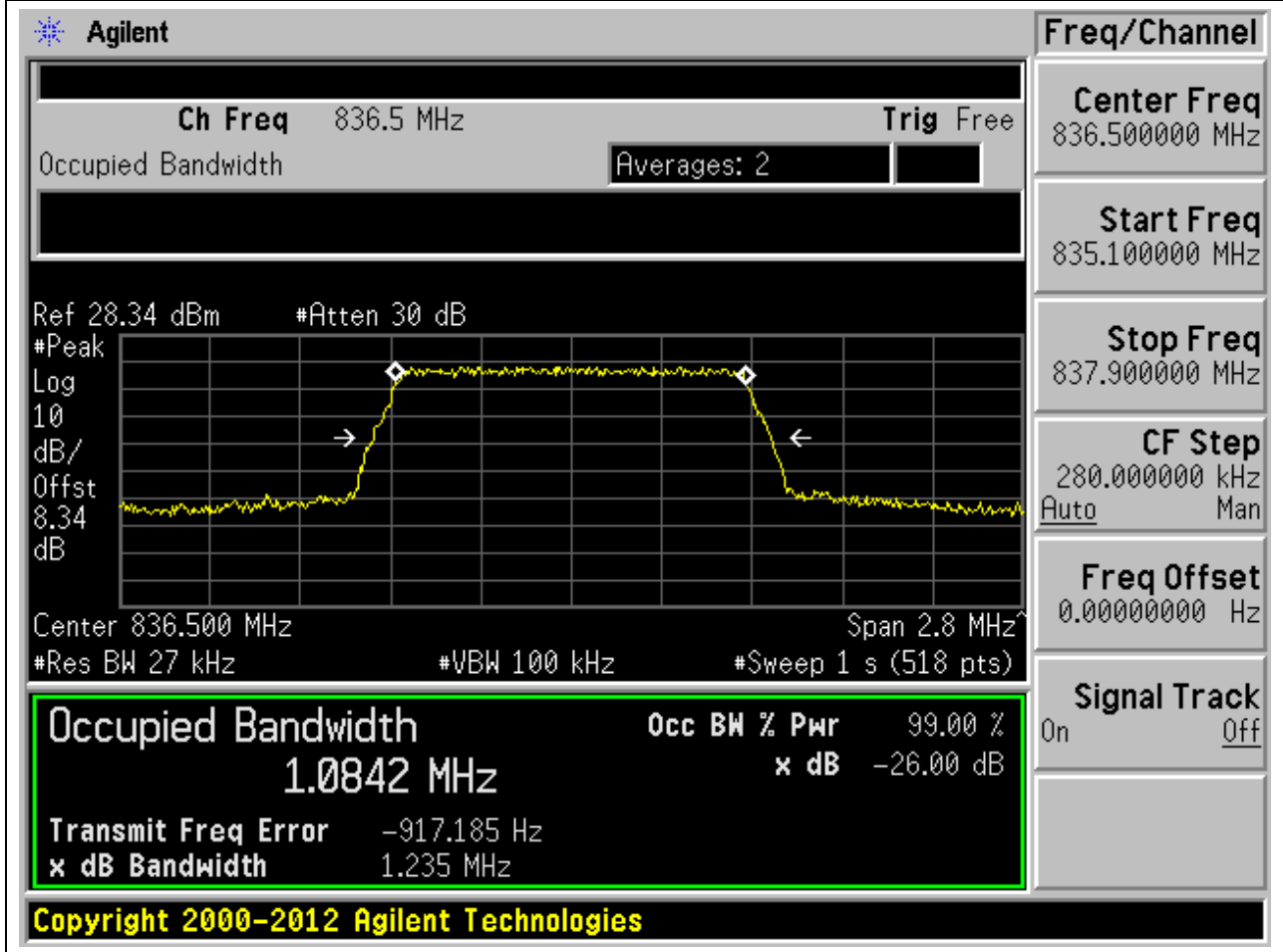
Occupied Bandwidth	Occ BW % Pwr 99.00 %
1.0906 MHz	x dB -26.00 dB
Transmit Freq Error	-2.411 kHz
x dB Bandwidth	1.245 MHz

Signal Track
On Off

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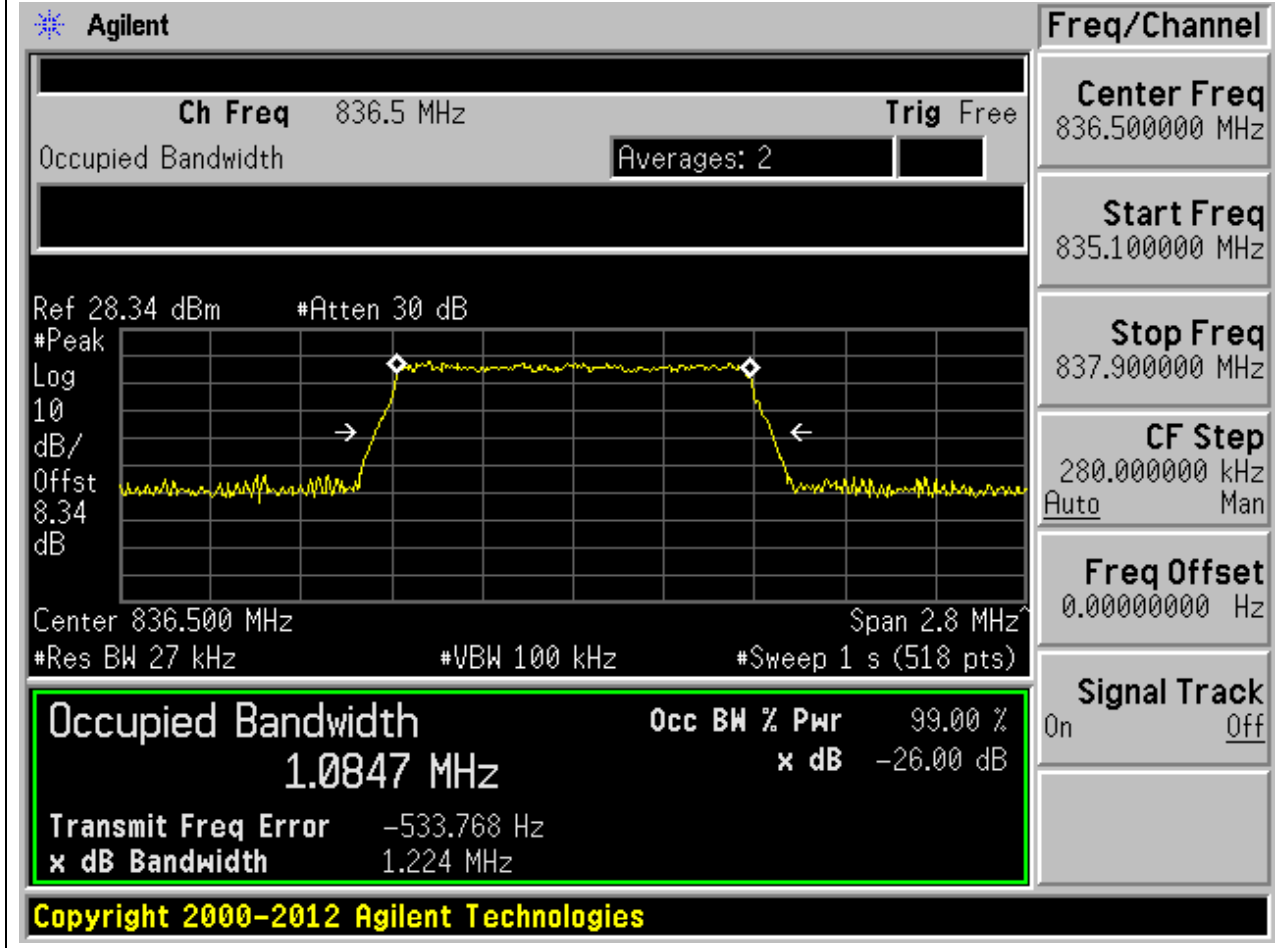
14.3. LTE Occupied Bandwidth(NTNV)(Subtest:3, Channel:26915, Bandwidth:1.4, Modulation:QPSK, RB Number: 6, RB Position:LOW)

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	1.08	1.24	1.4	Pass



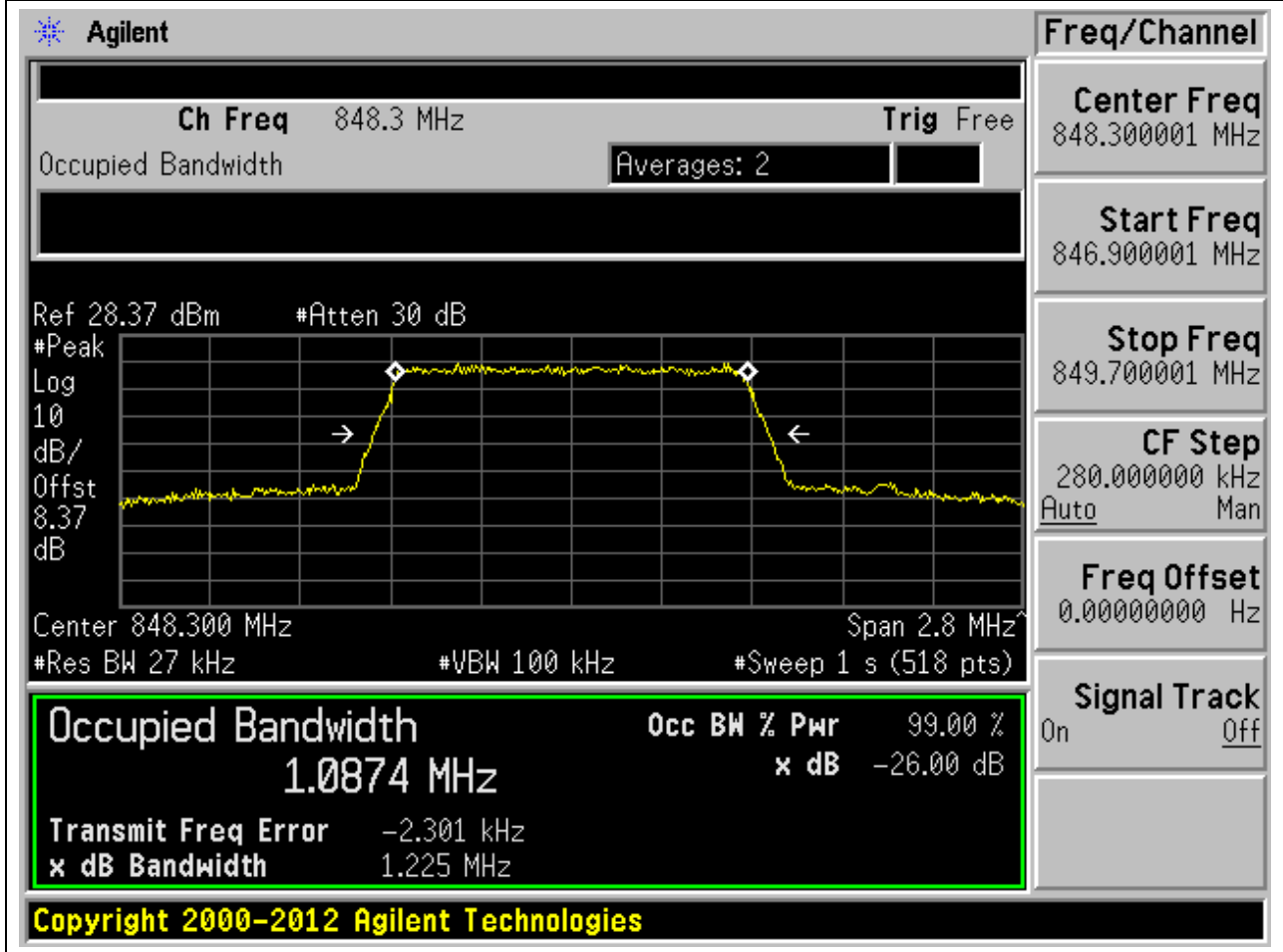
14.4. LTE Occupied Bandwidth(NTNV)(Subtest:4, Channel:26915, Bandwidth:1.4, Modulation:Q16, RB Number: 6, RB Position:LOW)

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	1.08	1.22	1.4	Pass



14.5. 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	1.09	1.22	1.4	Pass



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

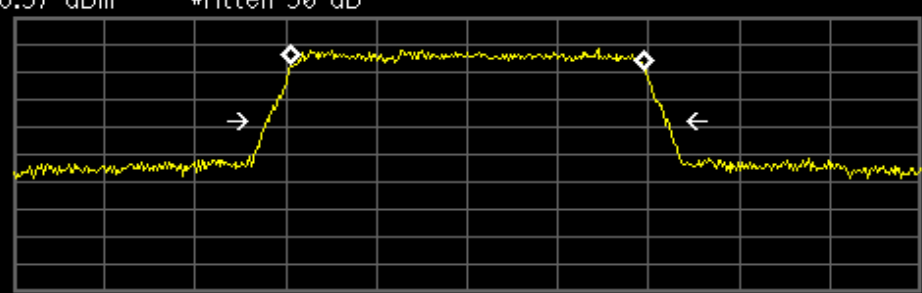
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
848.3	99	26	0.027	Peak	1.09	1.24	1.4	Pass

Agilent
Freq/Channel

Ch Freq 848.3 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.37 dBm #Atten 30 dB



Center 848.300 MHz Span 2.8 MHz

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

Center Freq 848.300001 MHz

Start Freq 846.900001 MHz

Stop Freq 849.700001 MHz

CF Step 280.000000 kHz
Auto Man

Freq Offset 0.00000000 Hz

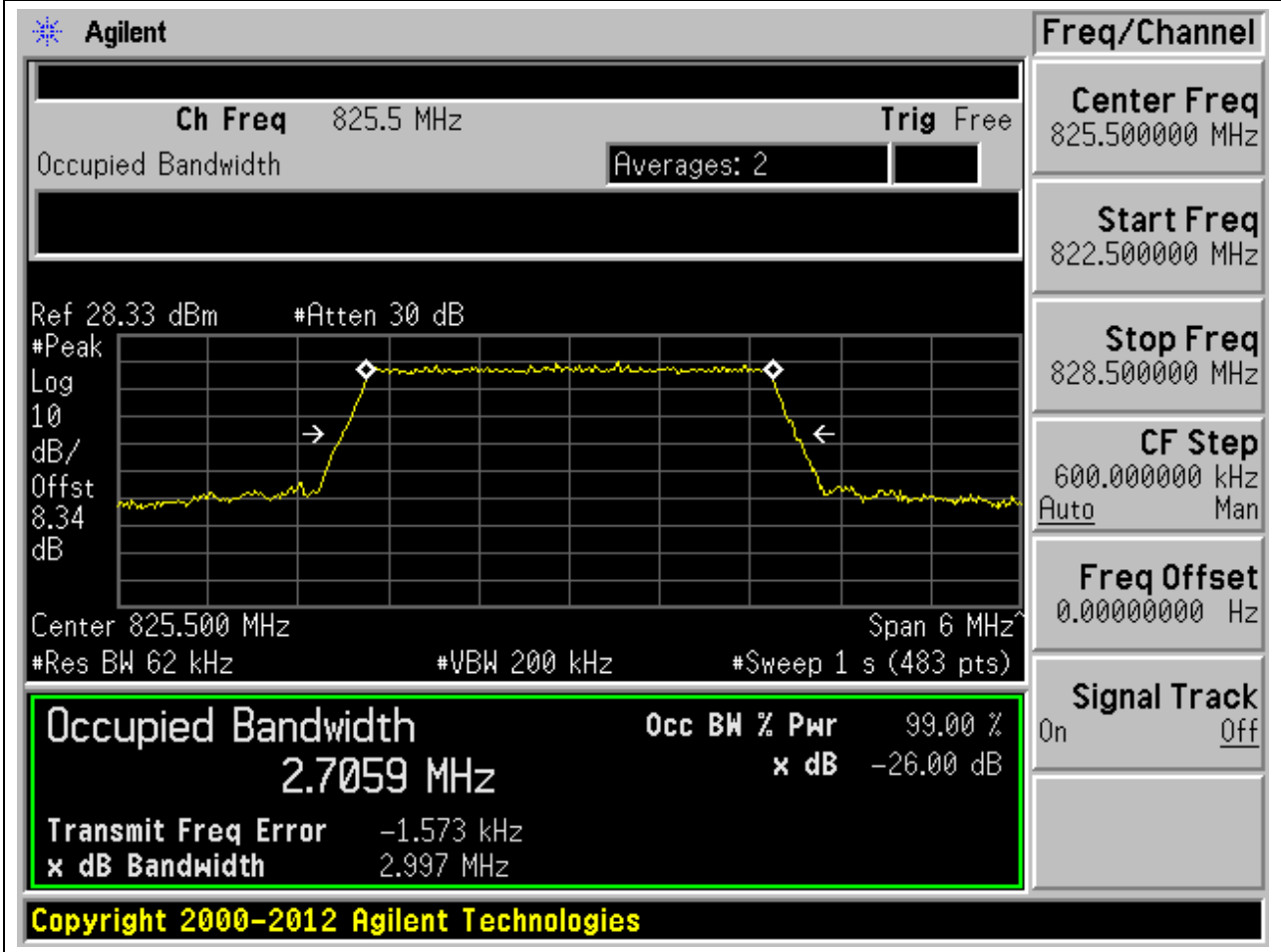
Signal Track On Off

Occupied Bandwidth	Occ BW % Pwr 99.00 %
1.0891 MHz	x dB -26.00 dB
Transmit Freq Error 343.728 Hz	
x dB Bandwidth 1.237 MHz	

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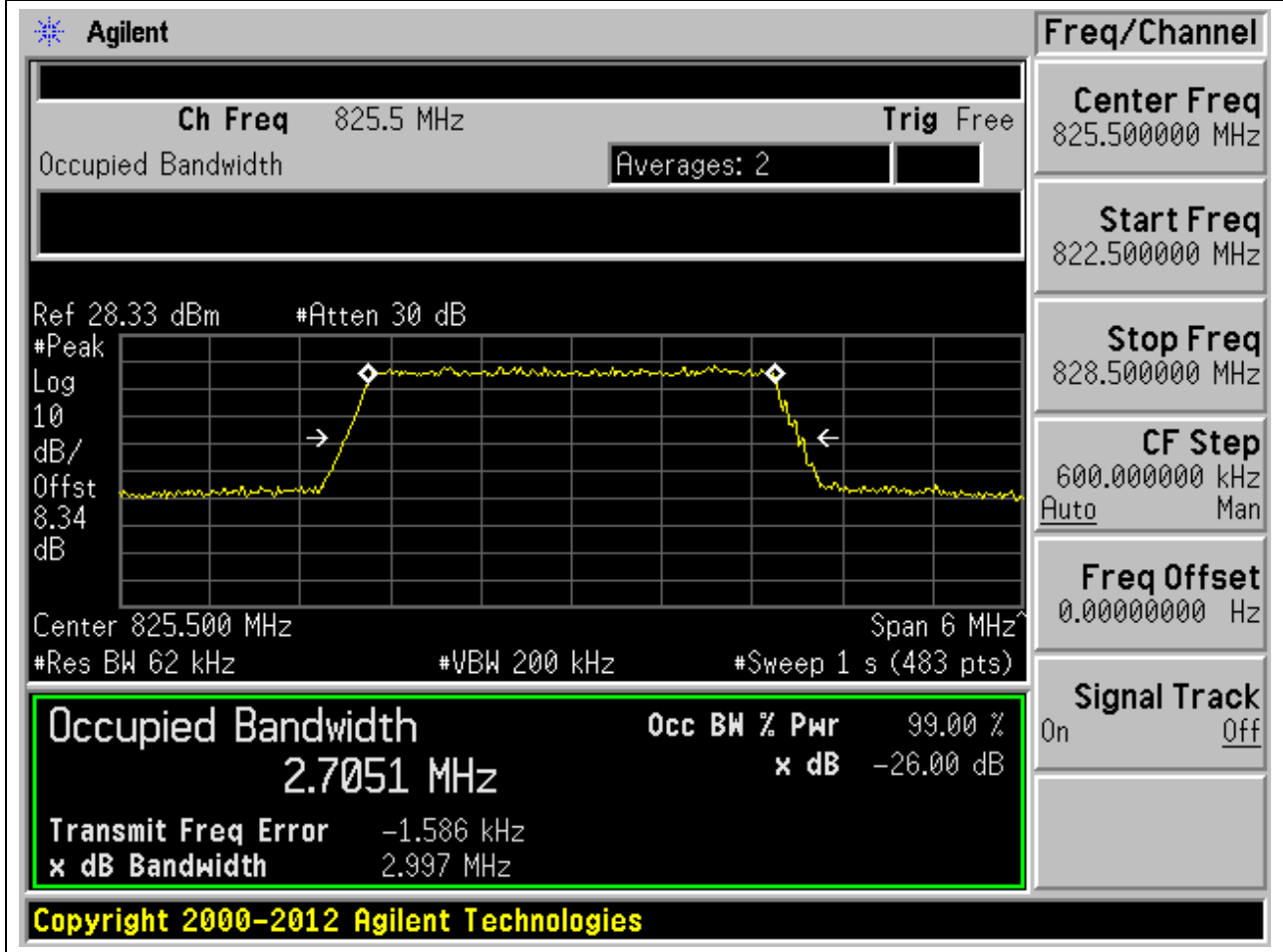
14.7. LTE Occupied Bandwidth(NTNV)(Subtest:7, Channel:26805, Bandwidth:3, Modulation:QPSK, RB Number: 15, RB Position:LOW)

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	2.71	3	3	Pass



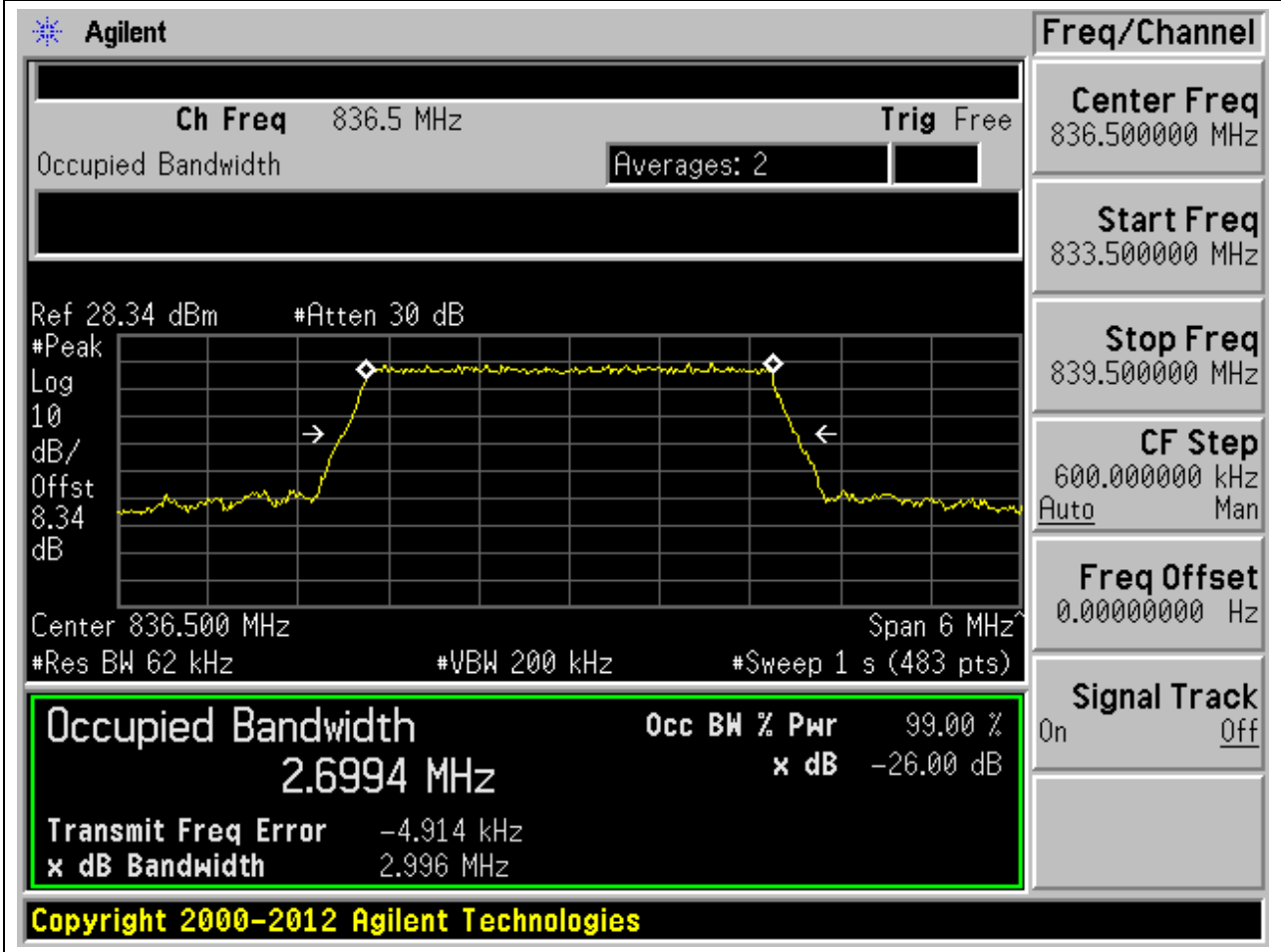
14.8. LTE Occupied Bandwidth(NTNV)(Subtest:8, Channel:26805, Bandwidth:3, Modulation:Q16, RB Number: 15, RB Position:LOW)

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	2.71	3	3	Pass



14.9. 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	2.7	3	3	Pass



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

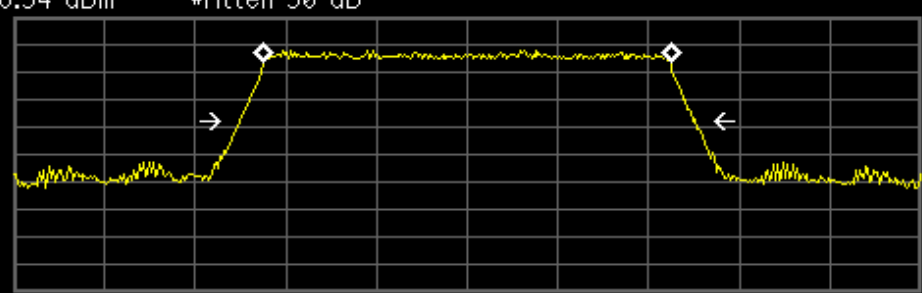
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.062	Peak	2.7	3.01	3	Pass

Agilent
Freq/Channel

Ch Freq 836.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.34 dBm #Atten 30 dB



Center 836.500 MHz Span 6 MHz

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

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

2.6968 MHz

Transmit Freq Error -4.699 kHz

x dB Bandwidth 3.010 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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

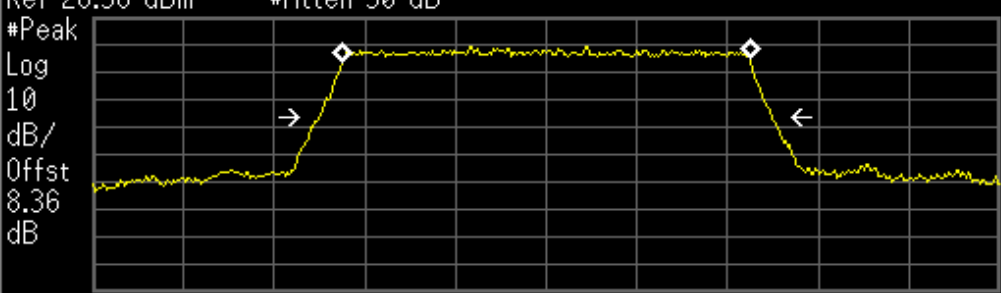
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
847.5	99	26	0.062	Peak	2.71	3	3	Pass

Agilent
Freq/Channel

Ch Freq 847.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.36 dBm #Atten 30 dB



Center 847.500 MHz Span 6 MHz

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

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

2.7051 MHz

Transmit Freq Error -3.623 kHz

x dB Bandwidth 3.000 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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14.12. LTE Occupied Bandwidth(NTNV)(Subtest:12, Channel:27025, 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	2.7	3.02	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

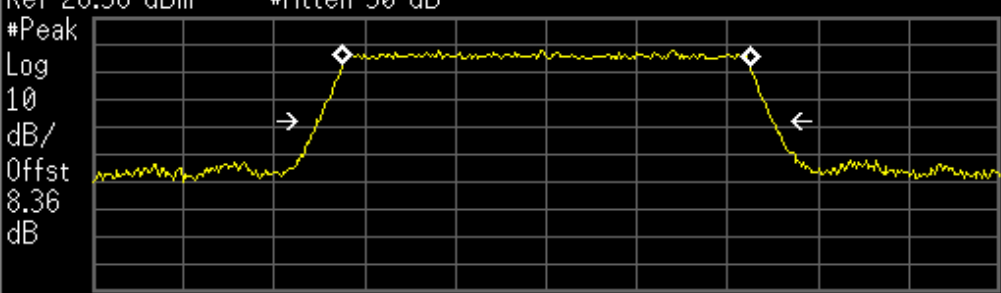
Stop Freq
850.500000 MHz

CF Step
600.000000 kHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Ref 28.36 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 %
2.6967 MHz	x dB -26.00 dB
Transmit Freq Error -3.701 kHz	
x dB Bandwidth 3.016 MHz	

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14.13. 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	4.51	4.96	5	Pass

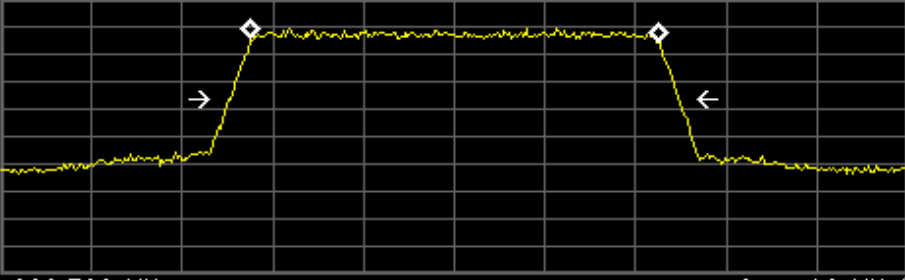
Agilent
Freq/Channel

Ch Freq 826.5 MHz
Trig Free

Occupied Bandwidth Averages: 2

Ref 28.33 dBm
#Atten 30 dB

#Peak
 Log
 10
 dB/
 Offst
 8.33
 dB



The plot shows a yellow signal trace on a grid. Two white diamonds mark the upper and lower bounds of the signal. Arrows point from the text 'Occupied Bandwidth' to these diamonds. The signal level is approximately 28.33 dBm - 30 dB = -1.67 dBm.

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 %
4.5079 MHz	x dB	-26.00 dB
Transmit Freq Error	37.462 Hz	
x dB Bandwidth	4.958 MHz	

Signal Track
On Off

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14.14. 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	4.49	4.94	5	Pass

Agilent
Freq/Channel

Ch Freq 826.5 MHz **Trig** Free

Occupied Bandwidth Averages: 2

Ref 28.33 dBm #Atten 30 dB

#Peak

Log

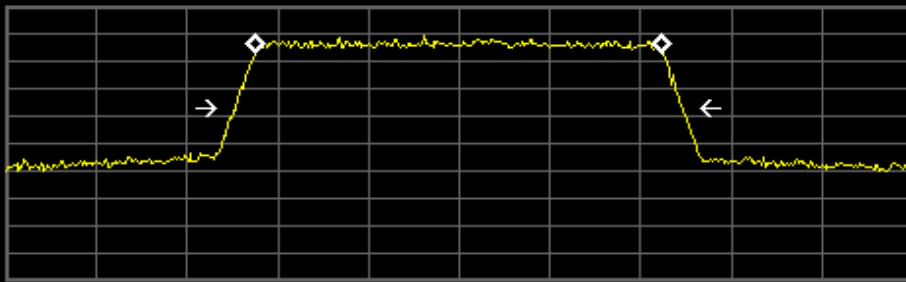
10

dB/

Offst

8.33

dB



Center 826.500 MHz Span 10 MHz

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

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 %
4.4937 MHz	x dB -26.00 dB
Transmit Freq Error -3.877 kHz	
x dB Bandwidth 4.938 MHz	

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

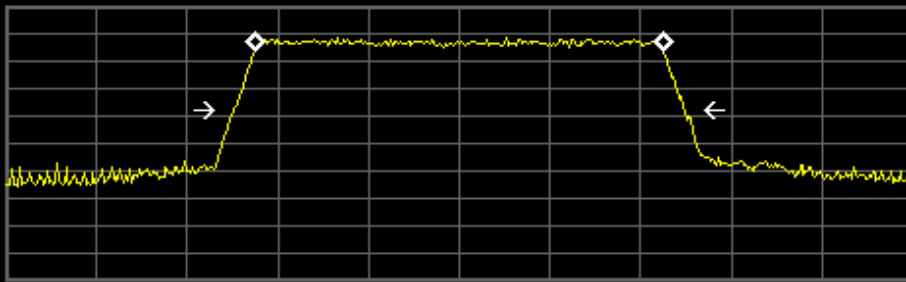
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.1	Peak	4.5	4.98	5	Pass

Agilent
Freq/Channel

Ch Freq 836.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.34 dBm #Atten 30 dB



Center 836.500 MHz Span 10 MHz

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

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
4.5001 MHz	x dB -26.00 dB
Transmit Freq Error -4.213 kHz	
x dB Bandwidth 4.981 MHz	

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14.16. LTE Occupied Bandwidth(NTNV)(Subtest:16, Channel:26915, 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	4.5	4.98	5	Pass

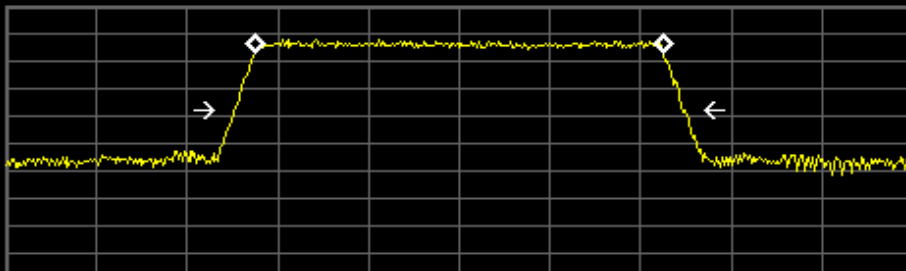
Agilent
Freq/Channel

Ch Freq 836.5 MHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Ref 28.34 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.34 dB



Center 836.500 MHz Span 10 MHz

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

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

Occupied Bandwidth
4.5048 MHz

Transmit Freq Error -4.665 kHz

x dB Bandwidth 4.979 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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

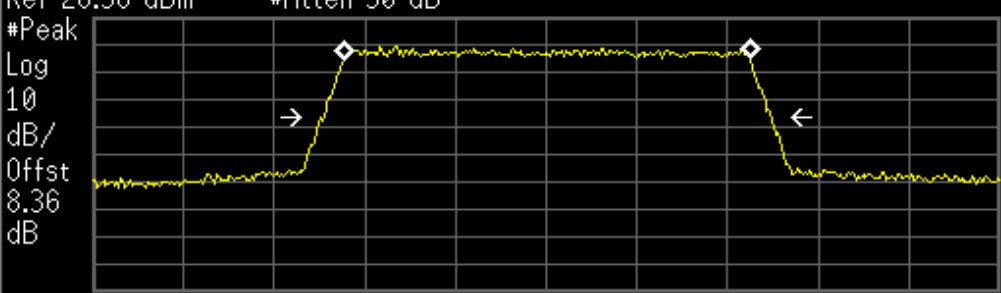
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
846.5	99	26	0.1	Peak	4.49	4.96	5	Pass

Agilent
Freq/Channel

Ch Freq 846.5 MHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Ref 28.36 dBm #Atten 30 dB



Center 846.500 MHz Span 10 MHz

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

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
4.4936 MHz

Transmit Freq Error 1.893 kHz

x dB Bandwidth 4.960 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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14.18. LTE Occupied Bandwidth(NTNV)(Subtest:18, Channel:27015, 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	4.5	4.99	5	Pass

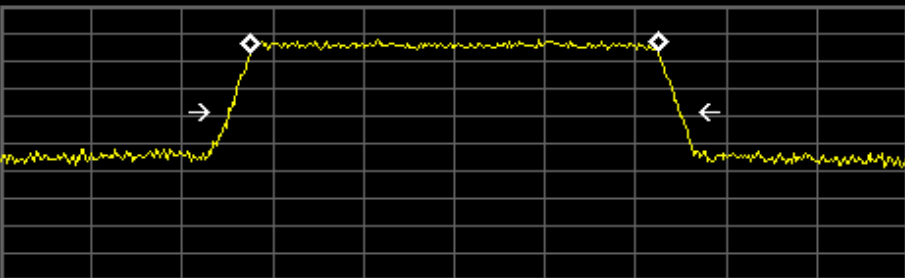
Agilent
Freq/Channel

Ch Freq 846.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.36 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.36 dB



Center 846.500 MHz Span 10 MHz

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

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 %
4.4994 MHz	x dB	-26.00 dB
Transmit Freq Error	116.806 Hz	
x dB Bandwidth	4.988 MHz	

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14.19. LTE Occupied Bandwidth(NTNV)(Subtest:19, Channel:26840, 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	8.97	9.82	10	Pass

Agilent
Freq/Channel

Ch Freq 829 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.33 dBm #Atten 30 dB

Center 829.00 MHz Span 20 MHz

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

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 %
8.9688 MHz	x dB -26.00 dB
Transmit Freq Error 4.919 kHz	
x dB Bandwidth 9.825 MHz	

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14.20. 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	8.95	9.83	10	Pass

Agilent
Freq/Channel

Ch Freq 829 MHz **Trig** Free

Occupied Bandwidth Averages: 2

Ref 28.33 dBm #Atten 30 dB

#Peak

Log

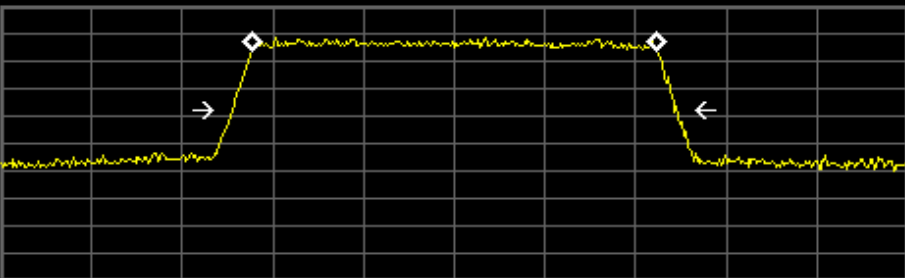
10

dB/

Offst

8.33

dB



Center 829.00 MHz Span 20 MHz

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

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 %
8.9505 MHz	x dB -26.00 dB
Transmit Freq Error 2.752 kHz	
x dB Bandwidth 9.827 MHz	

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14.21. LTE Occupied Bandwidth(NTNV)(Subtest:21, Channel:26915, 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	8.96	9.87	10	Pass

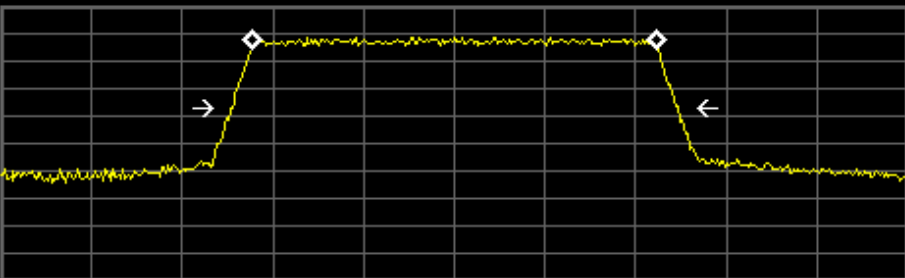
Agilent
Freq/Channel

Ch Freq 836.5 MHz **Trig** Free

Occupied Bandwidth Averages: 2

Ref 28.34 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.34 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
8.9607 MHz

Transmit Freq Error -4.129 kHz

x dB Bandwidth 9.867 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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

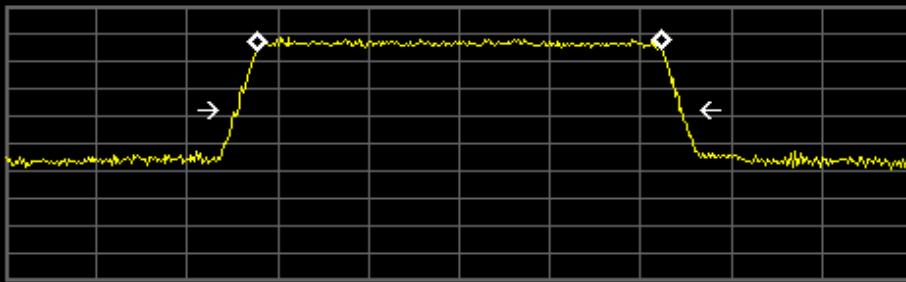
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.2	Peak	8.96	9.81	10	Pass

Agilent
Freq/Channel

Ch Freq 836.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.34 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

Freq Offset 0.00000000 Hz

Signal Track On

Occupied Bandwidth

8.9615 MHz

Transmit Freq Error -4.550 kHz

x dB Bandwidth 9.807 MHz

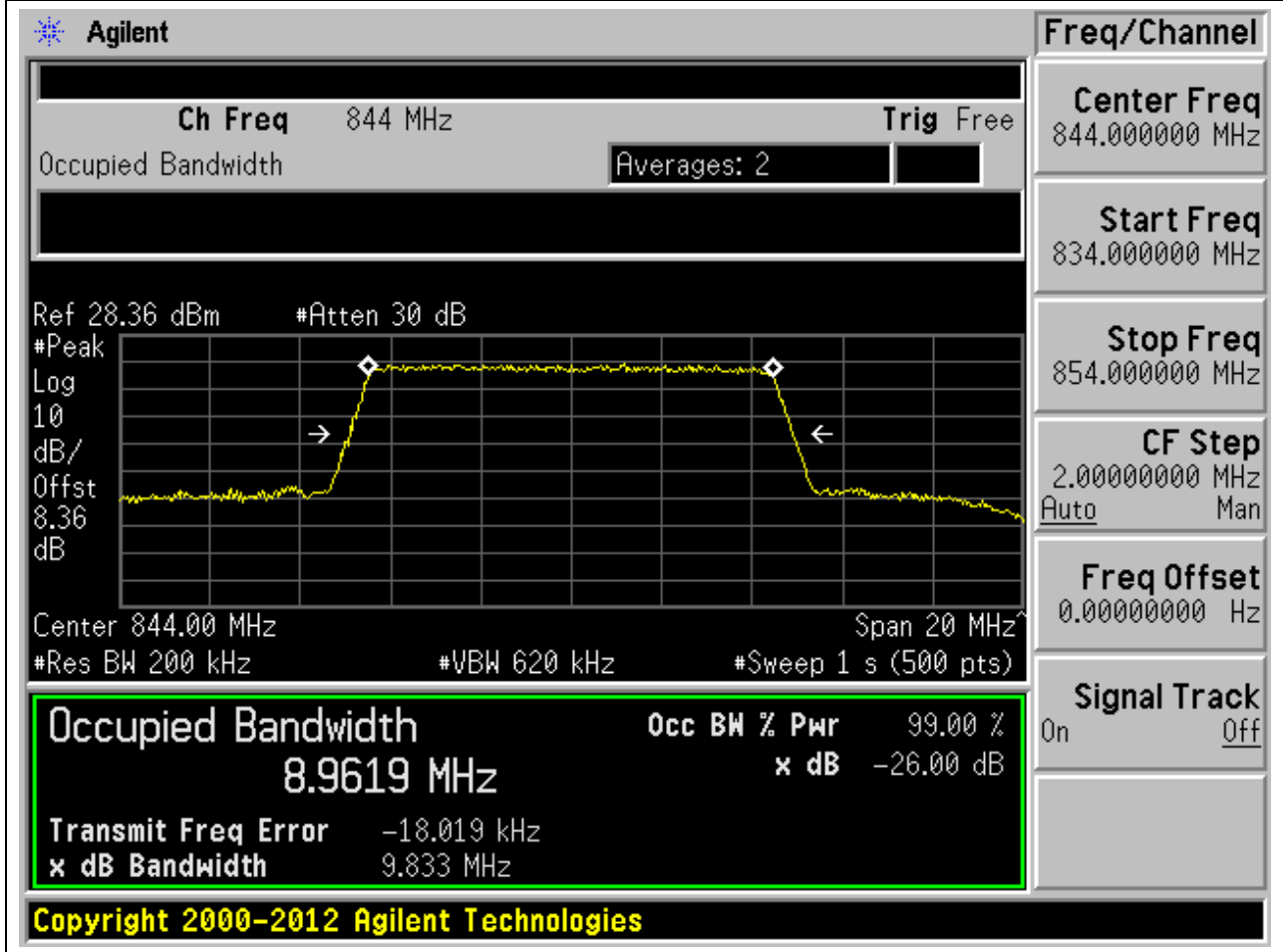
Occ BW % Pwr 99.00 %

x dB -26.00 dB

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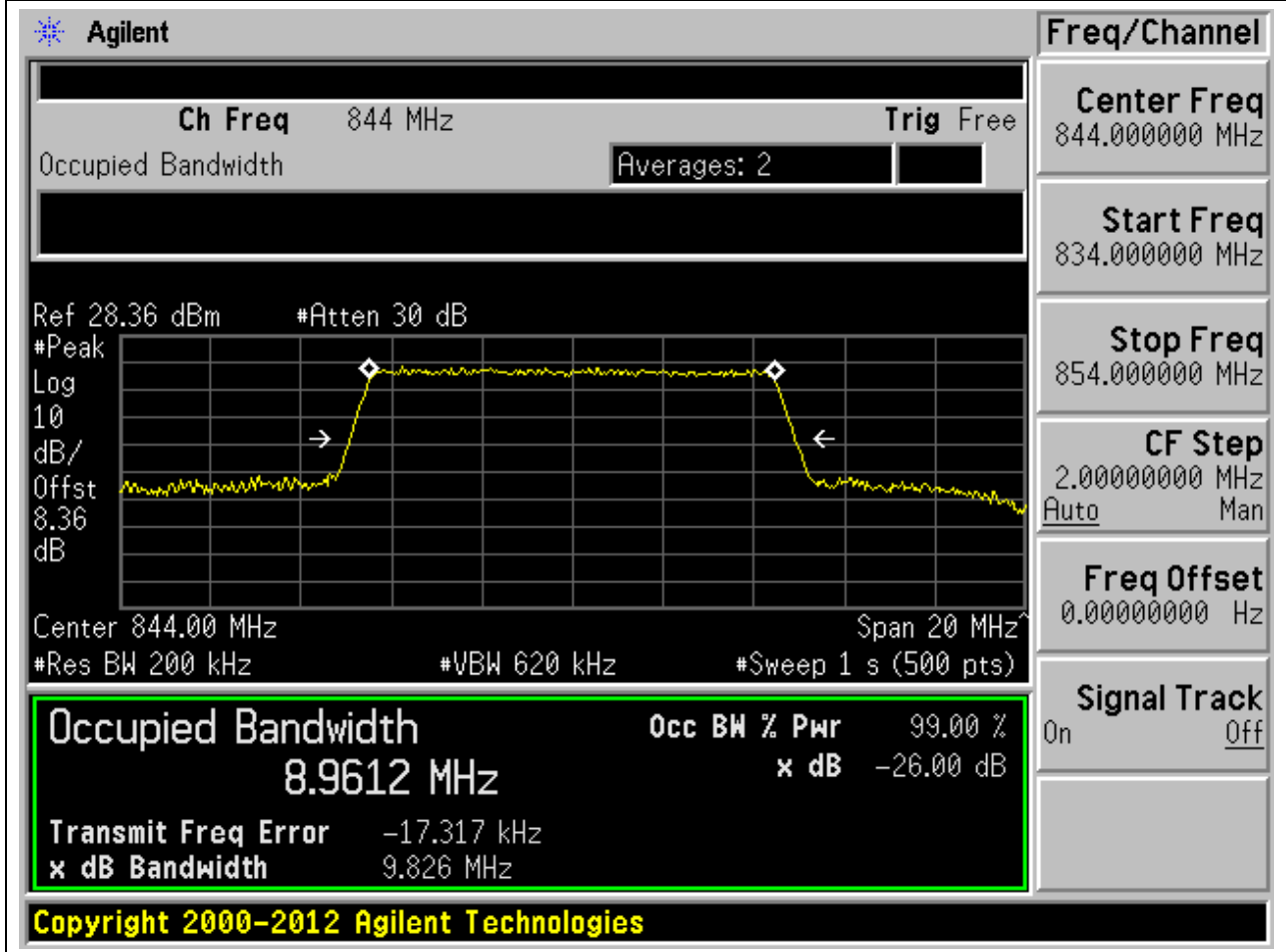
14.23. LTE Occupied Bandwidth(NTNV)(Subtest:23, Channel:26990, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)

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	8.96	9.83	10	Pass



14.24. 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	8.96	9.83	10	Pass



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

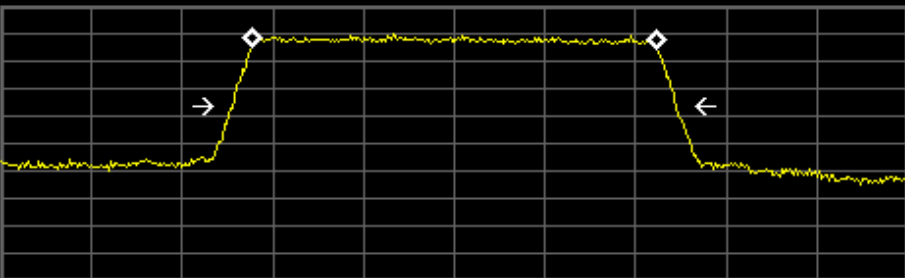
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
831.5	99	26	0.3	Peak	13.44	14.71	15	Pass

Agilent
Freq/Channel

Ch Freq 831.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.33 dBm #Atten 30 dB



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

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 %
13.4357 MHz	x dB -26.00 dB
Transmit Freq Error -8.139 kHz	
x dB Bandwidth 14.714 MHz	

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

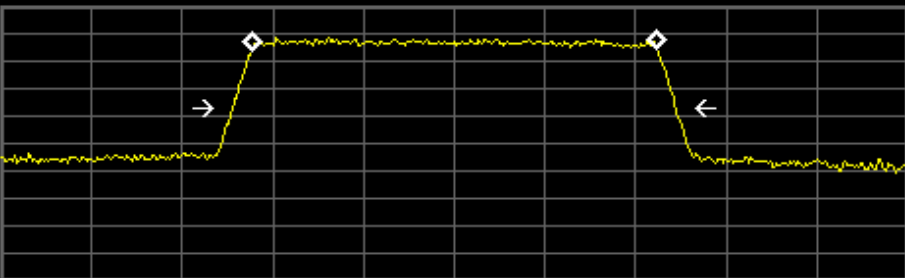
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
831.5	99	26	0.3	Peak	13.44	14.69	15	Pass

Agilent
Freq/Channel

Ch Freq 831.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.33 dBm #Atten 30 dB



Center 831.50 MHz Span 30 MHz

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

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

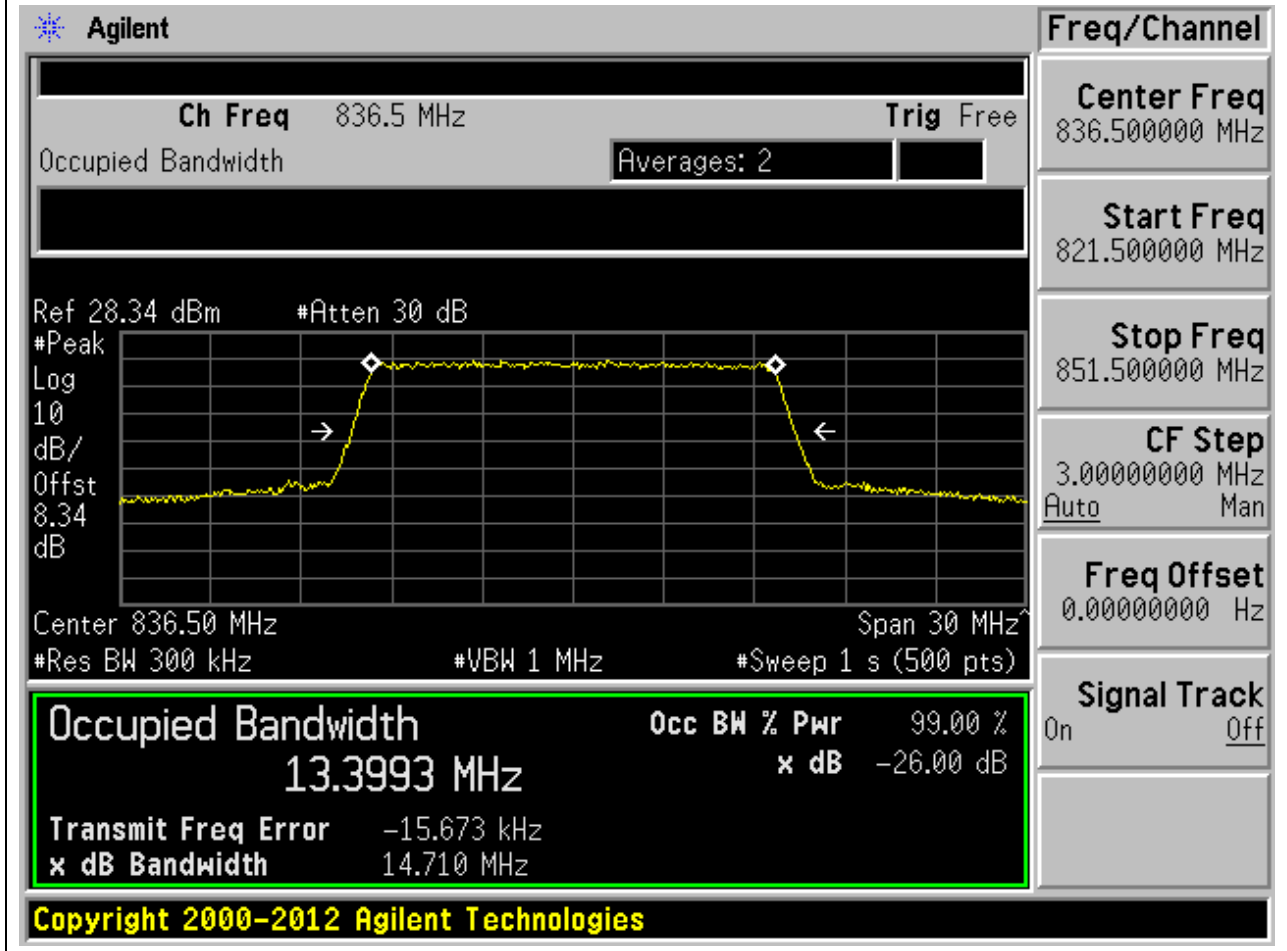
Signal Track
On Off

Occupied Bandwidth	Occ BW % Pwr 99.00 %
13.4406 MHz	x dB -26.00 dB
Transmit Freq Error -7.562 kHz	
x dB Bandwidth 14.694 MHz	

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14.27. 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	13.4	14.71	15	Pass



14.28. LTE Occupied Bandwidth(NTNV)(Subtest:28, Channel:26915, 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
836.5	99	26	0.3	Peak	13.43	14.68	15	Pass

Agilent
Freq/Channel

Ch Freq 836.5 MHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Center Freq
836.500000 MHz

Start Freq
821.500000 MHz

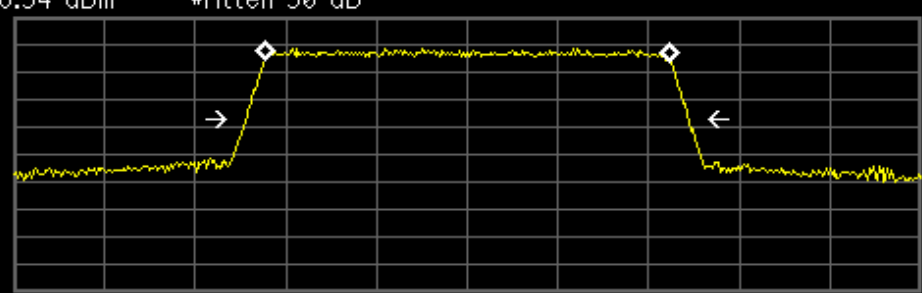
Stop Freq
851.500000 MHz

CF Step
3.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Ref 28.34 dBm #Atten 30 dB



Center 836.50 MHz Span 30 MHz

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

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

13.4263 MHz **x dB** -26.00 dB

Transmit Freq Error -561.150 Hz

x dB Bandwidth 14.676 MHz

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

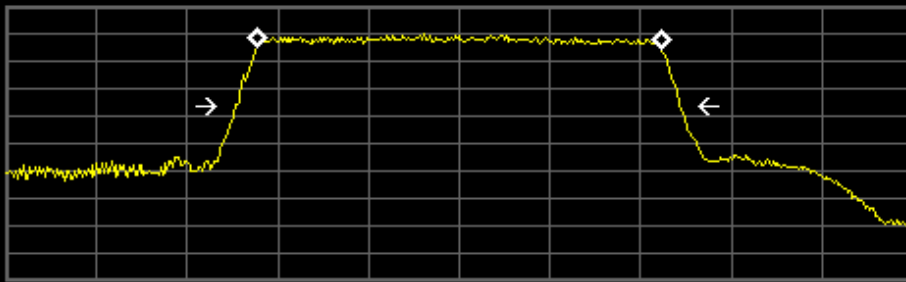
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
841.5	99	26	0.3	Peak	13.41	14.76	15	Pass

Agilent
Freq/Channel

Ch Freq 841.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.35 dBm #Atten 30 dB



Center 841.50 MHz Span 30 MHz

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

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

13.4084 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -14.949 kHz

x dB Bandwidth 14.763 MHz

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

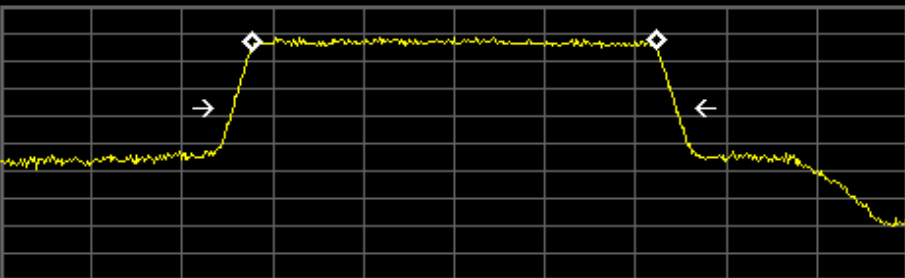
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
841.5	99	26	0.3	Peak	13.44	14.68	15	Pass

Agilent
Freq/Channel

Ch Freq 841.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.35 dBm #Atten 30 dB



Center 841.50 MHz Span 30 MHz

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

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

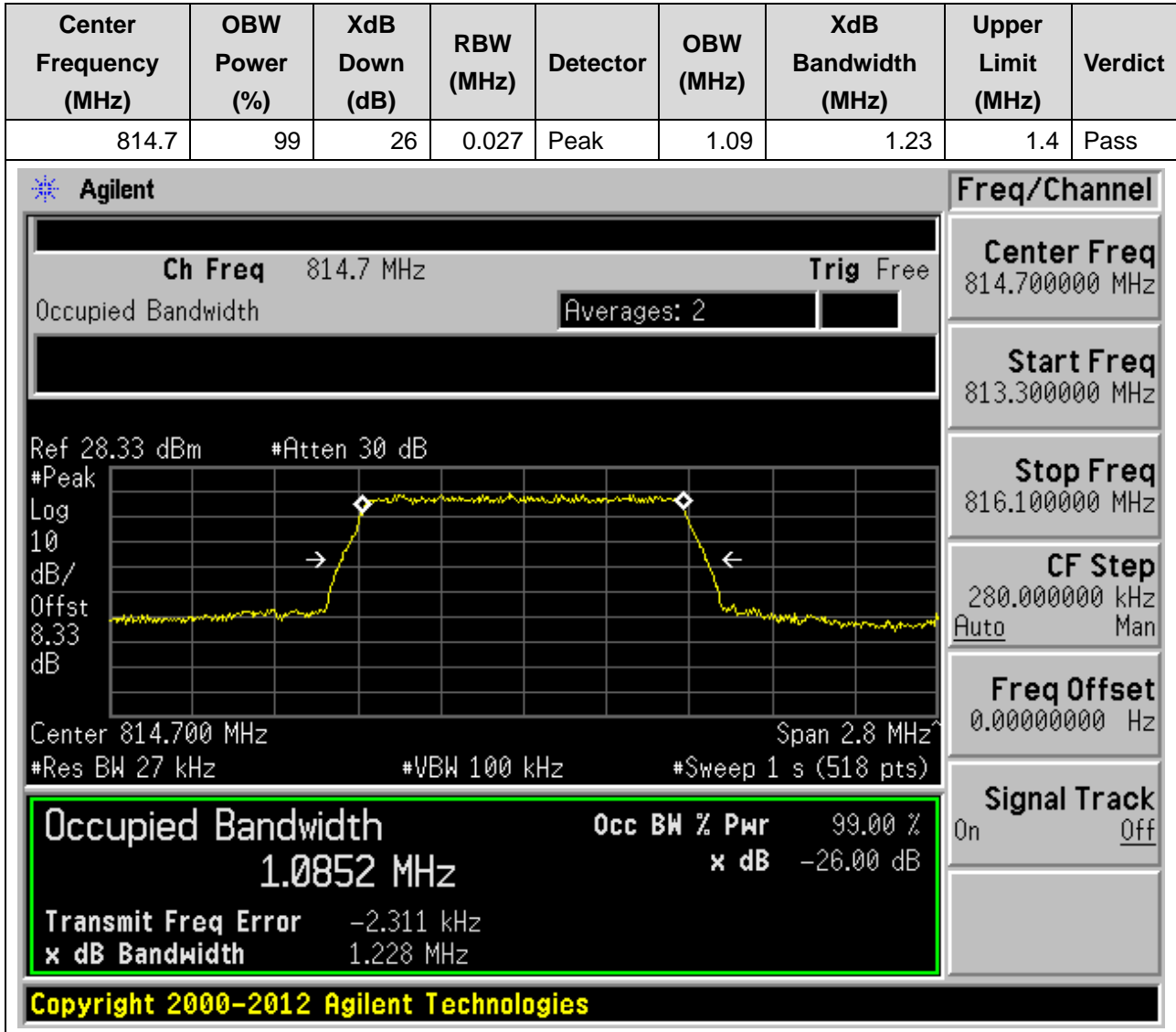
Signal Track
On Off

Occupied Bandwidth	Occ BW % Pwr 99.00 %
13.4406 MHz	x dB -26.00 dB
Transmit Freq Error -14.190 kHz	
x dB Bandwidth 14.678 MHz	

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15. LTE_Band26(part90)

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



15.2. LTE Occupied Bandwidth(NTNV)(Subtest:2, Channel:26697, 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
814.7	99	26	0.027	Peak	1.09	1.24	1.4	Pass

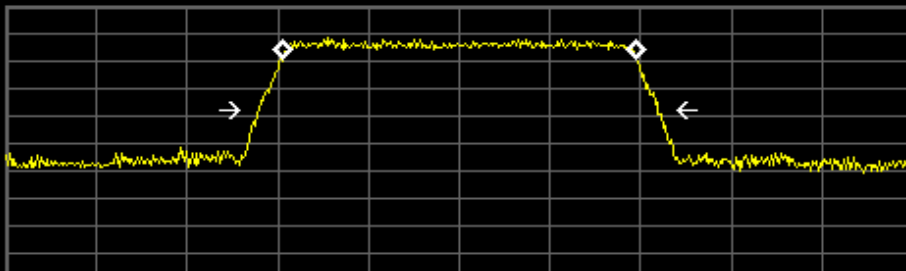
Agilent
Freq/Channel

Ch Freq 814.7 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.33 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.33 dB



Center 814.700 MHz Span 2.8 MHz

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

Center Freq 814.700000 MHz

Start Freq 813.300000 MHz

Stop Freq 816.100000 MHz

CF Step 280.000000 kHz
Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

Occupied Bandwidth

1.0877 MHz

Transmit Freq Error -1.931 kHz

x dB Bandwidth 1.235 MHz

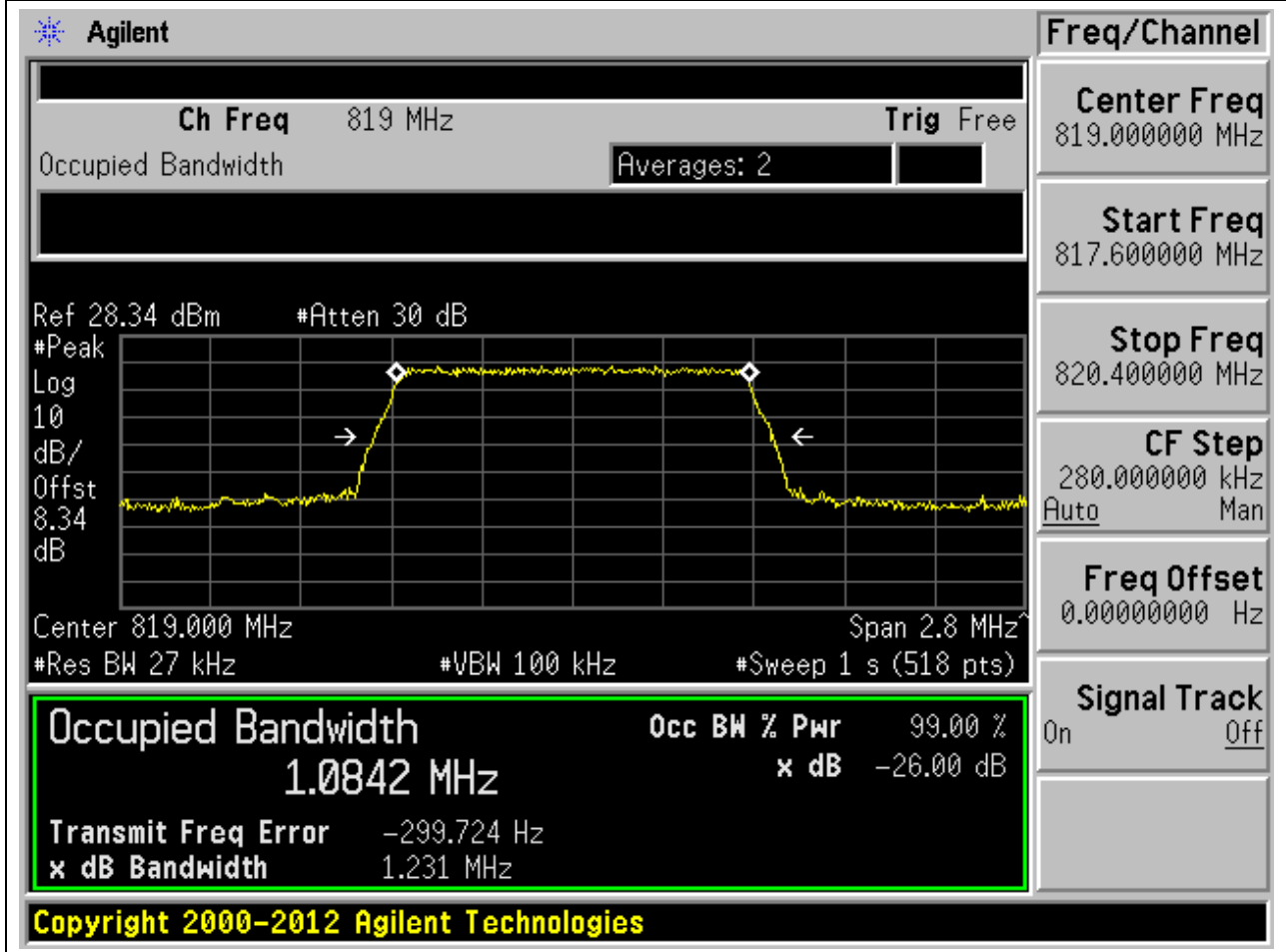
Occ BW % Pwr 99.00 %

x dB -26.00 dB

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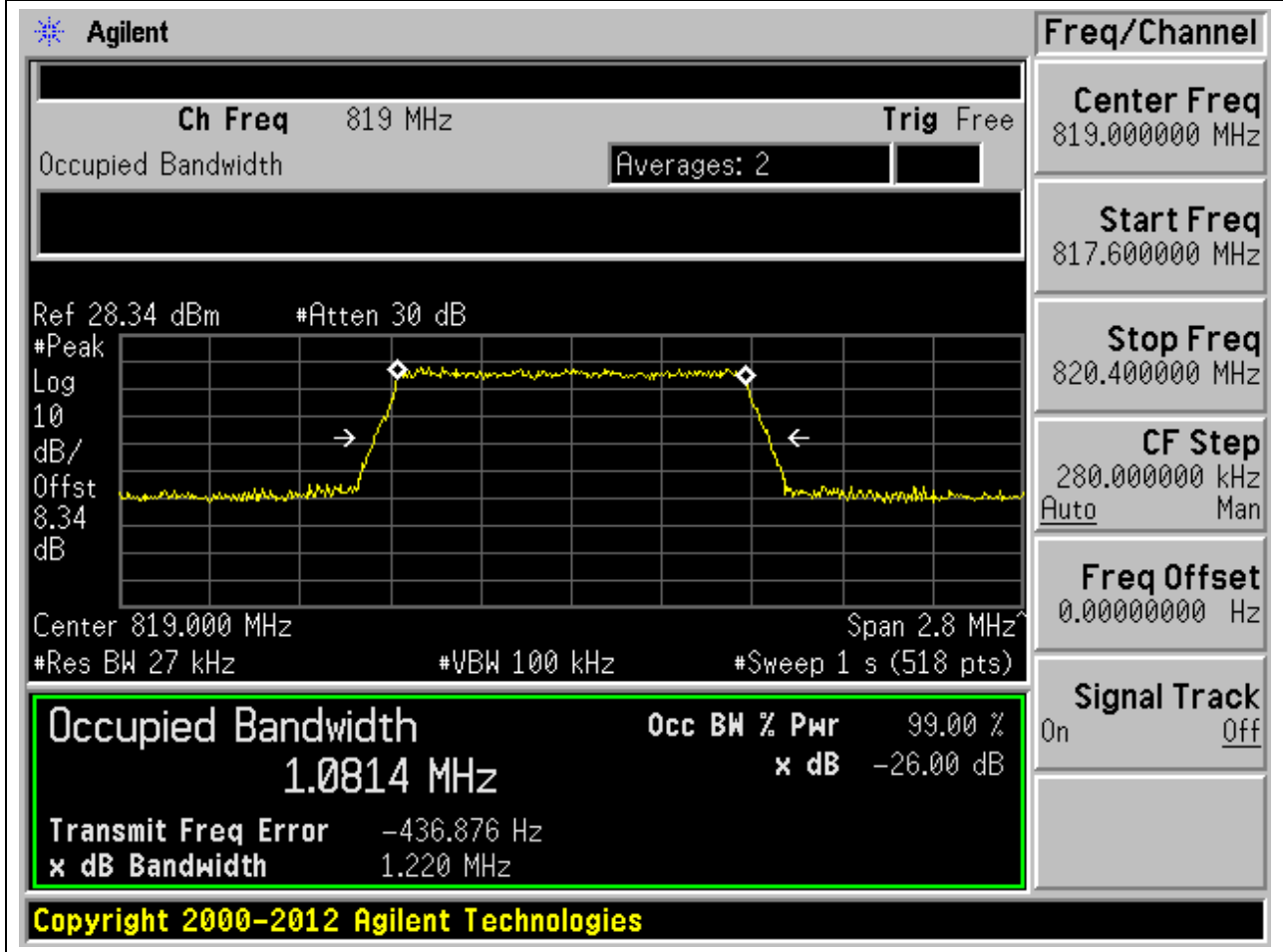
15.3. LTE Occupied Bandwidth(NTNV)(Subtest:3, Channel:26740, Bandwidth:1.4, Modulation:QPSK, RB Number: 6, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
819	99	26	0.027	Peak	1.08	1.23	1.4	Pass



15.4. LTE Occupied Bandwidth(NTNV)(Subtest:4, Channel:26740, 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
819	99	26	0.027	Peak	1.08	1.22	1.4	Pass



15.5. LTE Occupied Bandwidth(NTNV)(Subtest:5, Channel:26783, 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
823.3	99	26	0.027	Peak	1.09	1.23	1.4	Pass

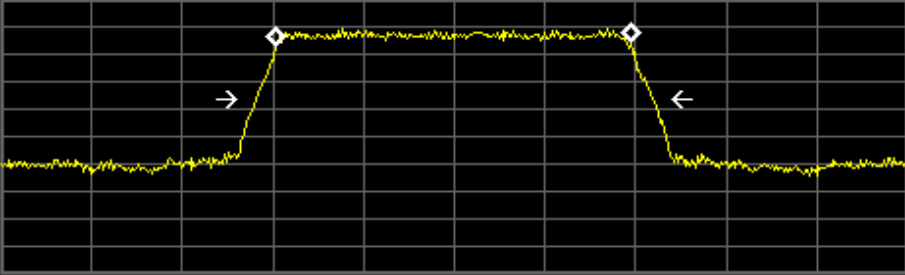
Agilent
Freq/Channel

Ch Freq 823.3 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.34 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.34 dB



Center 823.300 MHz Span 2.8 MHz

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

Center Freq 823.300000 MHz

Start Freq 821.900000 MHz

Stop Freq 824.700000 MHz

CF Step 280.000000 kHz Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

Occupied Bandwidth	Occ BW % Pwr 99.00 %
1.0904 MHz	x dB -26.00 dB
Transmit Freq Error -1.387 kHz	
x dB Bandwidth 1.226 MHz	

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15.6. LTE Occupied Bandwidth(NTNV)(Subtest:6, Channel:26783, 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
823.3	99	26	0.027	Peak	1.08	1.23	1.4	Pass

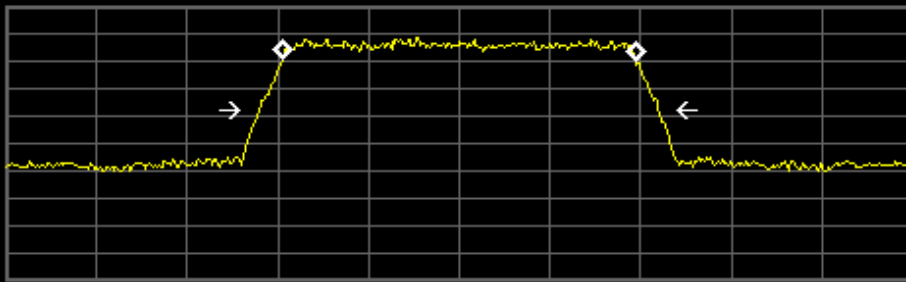
Agilent
Freq/Channel

Ch Freq 823.3 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.34 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.34 dB



Center 823.300 MHz Span 2.8 MHz

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

Center Freq 823.300000 MHz

Start Freq 821.900000 MHz

Stop Freq 824.700000 MHz

CF Step 280.000000 kHz
Auto Man

Freq Offset 0.00000000 Hz

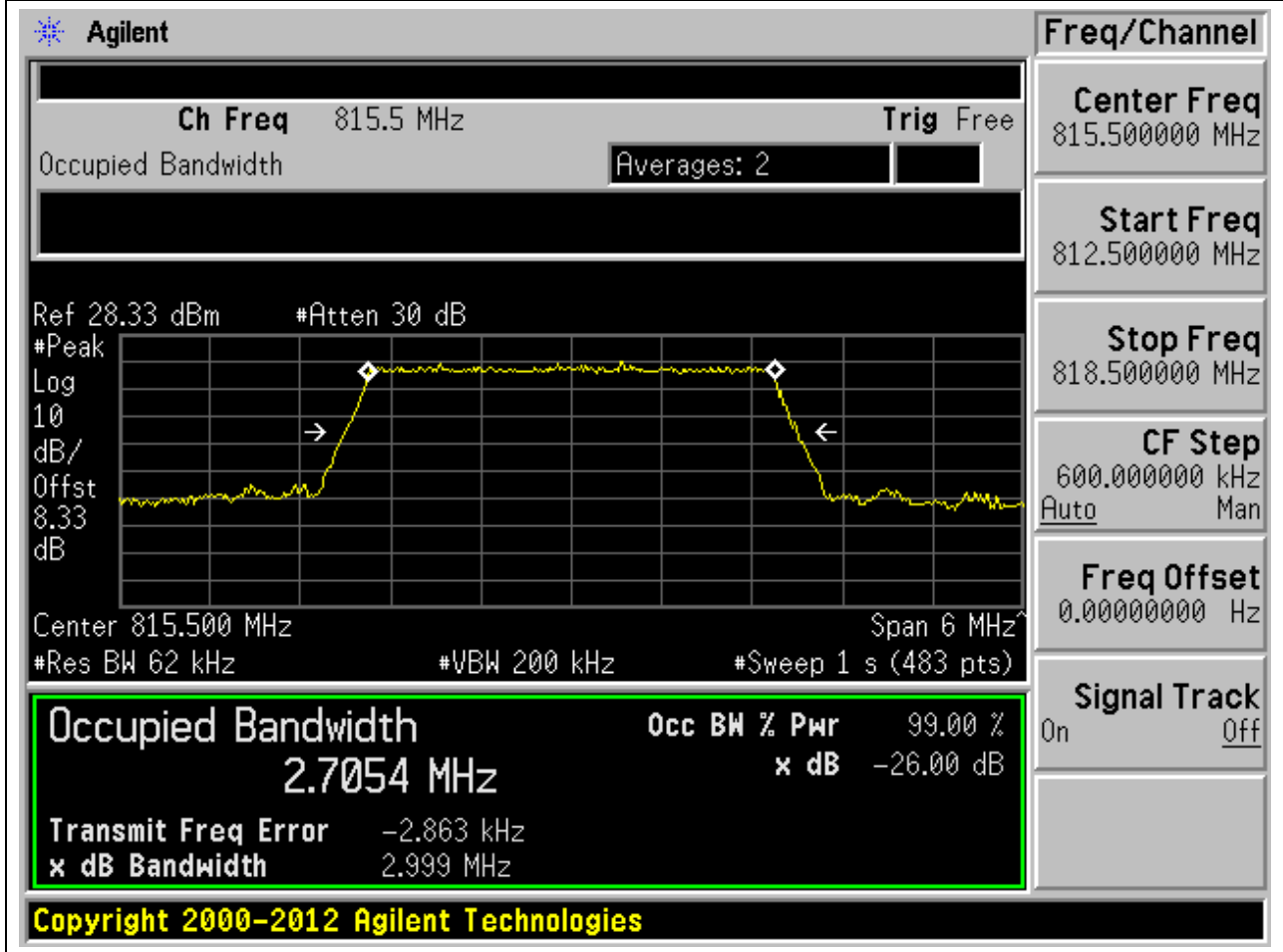
Signal Track On Off

Occupied Bandwidth	Occ BW % Pwr 99.00 %
1.0843 MHz	x dB -26.00 dB
Transmit Freq Error -1.157 kHz	
x dB Bandwidth 1.231 MHz	

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15.7. 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	2.71	3	3	Pass



15.8. LTE Occupied Bandwidth(NTNV)(Subtest:8, Channel:26705, 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
815.5	99	26	0.062	Peak	2.7	3.01	3	Pass

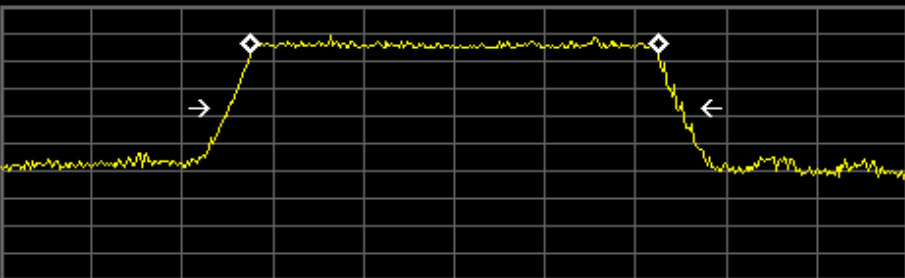
Agilent
Freq/Channel

Ch Freq 815.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.33 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.33 dB



Center 815.500 MHz Span 6 MHz

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

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

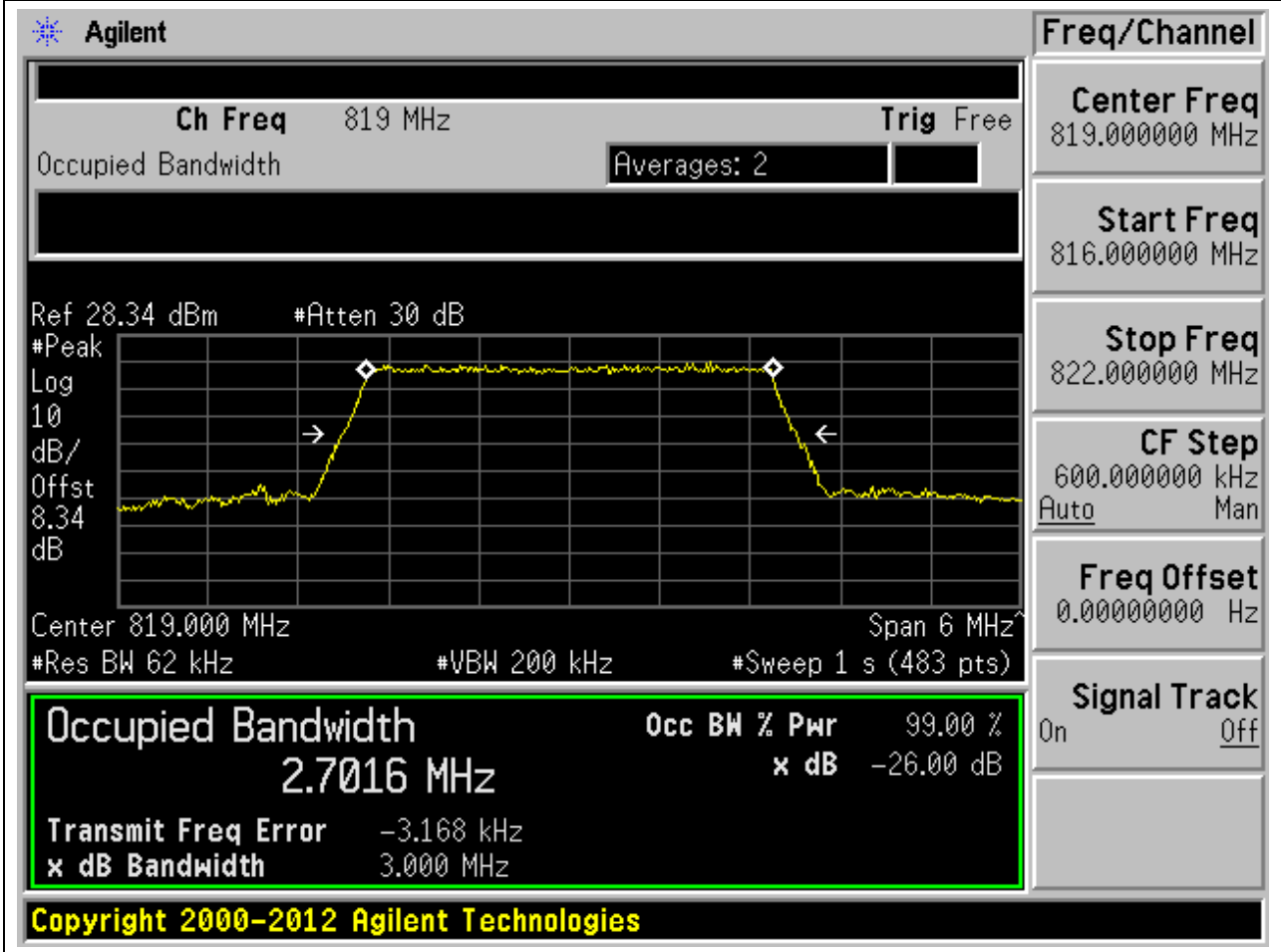
Signal Track On Off

Occupied Bandwidth	Occ BW % Pwr 99.00 %
2.6992 MHz	x dB -26.00 dB
Transmit Freq Error -2.613 kHz	
x dB Bandwidth 3.008 MHz	

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15.9. 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	2.7	3	3	Pass



15.10. 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	2.7	3.01	3	Pass

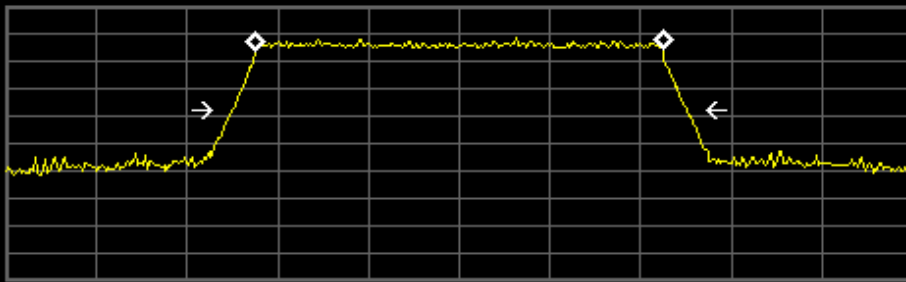
Agilent
Freq/Channel

Ch Freq 819 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.34 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.34 dB



Center 819.000 MHz Span 6 MHz

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

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 %
2.6989 MHz	x dB -26.00 dB
Transmit Freq Error -4.367 kHz	
x dB Bandwidth 3.012 MHz	

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15.11. 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	2.7	3.01	3	Pass

Agilent
Freq/Channel

Ch Freq 822.5 MHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Center Freq
822.500000 MHz

Start Freq
819.500000 MHz

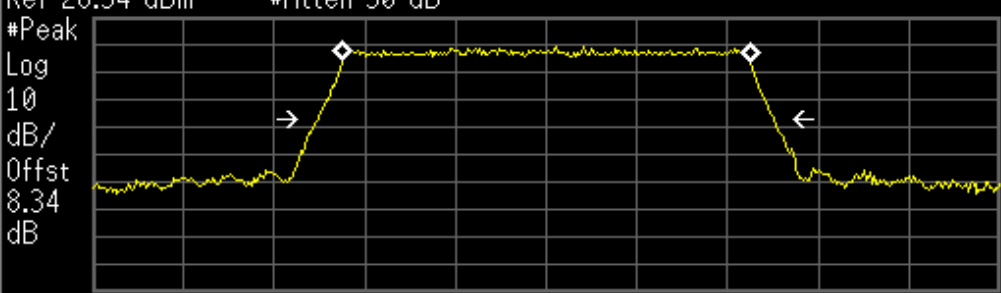
Stop Freq
825.500000 MHz

CF Step
600.000000 kHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Ref 28.34 dBm #Atten 30 dB



Center 822.500 MHz Span 6 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
2.7013 MHz	x dB -26.00 dB
Transmit Freq Error -1.958 kHz	
x dB Bandwidth 3.014 MHz	

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

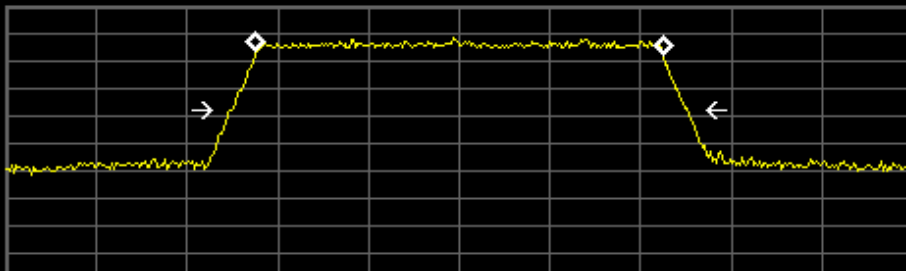
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
822.5	99	26	0.062	Peak	2.7	3.01	3	Pass

Agilent
Freq/Channel

Ch Freq 822.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.34 dBm #Atten 30 dB



Center 822.500 MHz Span 6 MHz

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

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 %
2.6985 MHz	x dB -26.00 dB
Transmit Freq Error -4.158 kHz	
x dB Bandwidth 3.009 MHz	

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

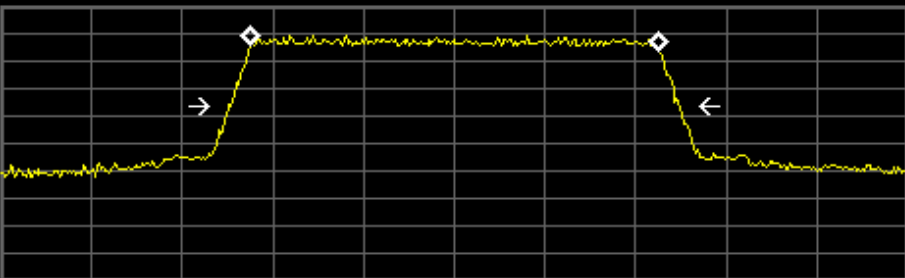
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
816.5	99	26	0.1	Peak	4.52	4.99	5	Pass

Agilent
Freq/Channel

Ch Freq 816.5 MHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Ref 28.33 dBm #Atten 30 dB



Center 816.500 MHz Span 10 MHz

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

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

4.5151 MHz

Transmit Freq Error 1.014 kHz

x dB Bandwidth 4.986 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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

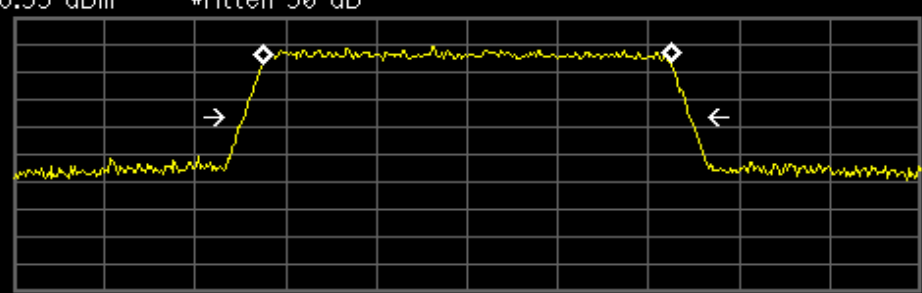
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
816.5	99	26	0.1	Peak	4.5	4.92	5	Pass

Agilent
Freq/Channel

Ch Freq 816.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.33 dBm #Atten 30 dB



Center 816.500 MHz Span 10 MHz

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

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

4.5005 MHz

Transmit Freq Error -4.641 kHz

x dB Bandwidth 4.915 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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15.15. LTE Occupied Bandwidth(NTNV)(Subtest:15, Channel:26740, 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	99	26	0.1	Peak	4.5	5	5	Pass

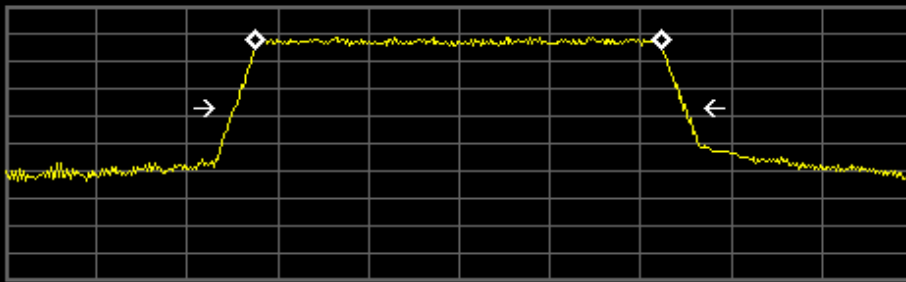
Agilent
Freq/Channel

Ch Freq 819 MHz
Trig Free

Occupied Bandwidth Averages: 2

Ref 28.34 dBm
#Atten 30 dB

#Peak
 Log
 10
 dB/
 Offst
 8.34
 dB



Center 819.000 MHz
Span 10 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
4.4967 MHz	x dB -26.00 dB
Transmit Freq Error	-5.969 kHz
x dB Bandwidth	5.002 MHz

Signal Track
 On Off

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15.16. LTE Occupied Bandwidth(NTNV)(Subtest:16, Channel:26740, 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
819	99	26	0.1	Peak	4.5	4.99	5	Pass

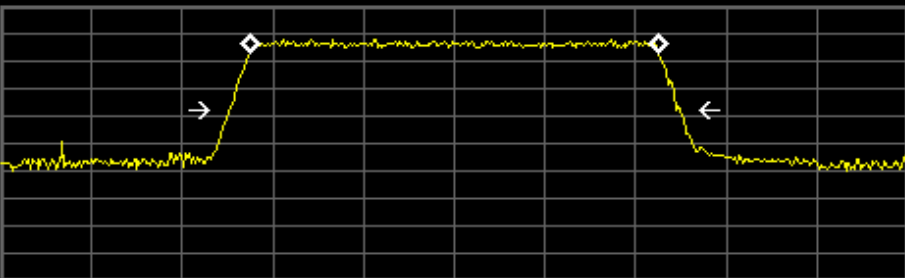
Agilent
Freq/Channel

Ch Freq 819 MHz
Trig Free

Occupied Bandwidth Averages: 2

Ref 28.34 dBm #Atten 30 dB

#Peak
Log



Center 819.000 MHz
Span 10 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
4.5043 MHz	x dB -26.00 dB
Transmit Freq Error -3.016 kHz	
x dB Bandwidth 4.985 MHz	

Signal Track	<u>Off</u>
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15.17. LTE Occupied Bandwidth(NTNV)(Subtest:17, Channel:26765, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)

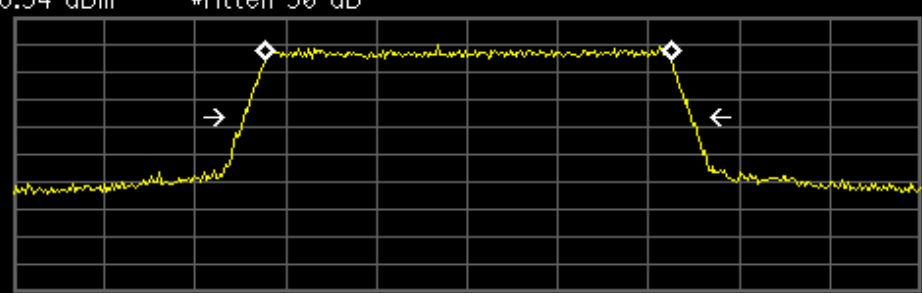
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
821.5	99	26	0.1	Peak	4.49	4.94	5	Pass

Agilent
Freq/Channel

Ch Freq 821.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.34 dBm #Atten 30 dB



Center 821.500 MHz Span 10 MHz

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

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

4.4921 MHz

Transmit Freq Error 2.039 kHz

x dB Bandwidth 4.944 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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15.18. LTE Occupied Bandwidth(NTNV)(Subtest:18, Channel:26765, 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	4.5	4.99	5	Pass

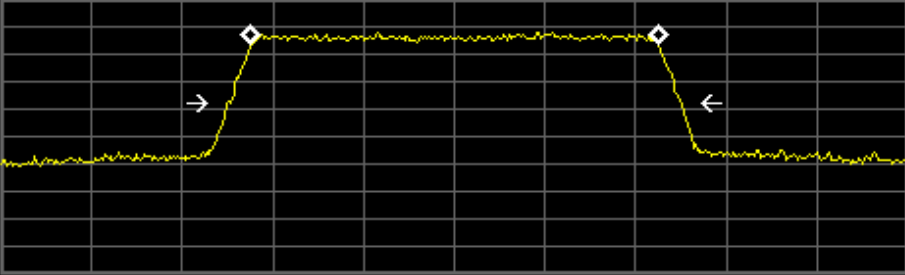
Agilent
Freq/Channel

Ch Freq 821.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.34 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.34 dB



Center 821.500 MHz Span 10 MHz

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

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

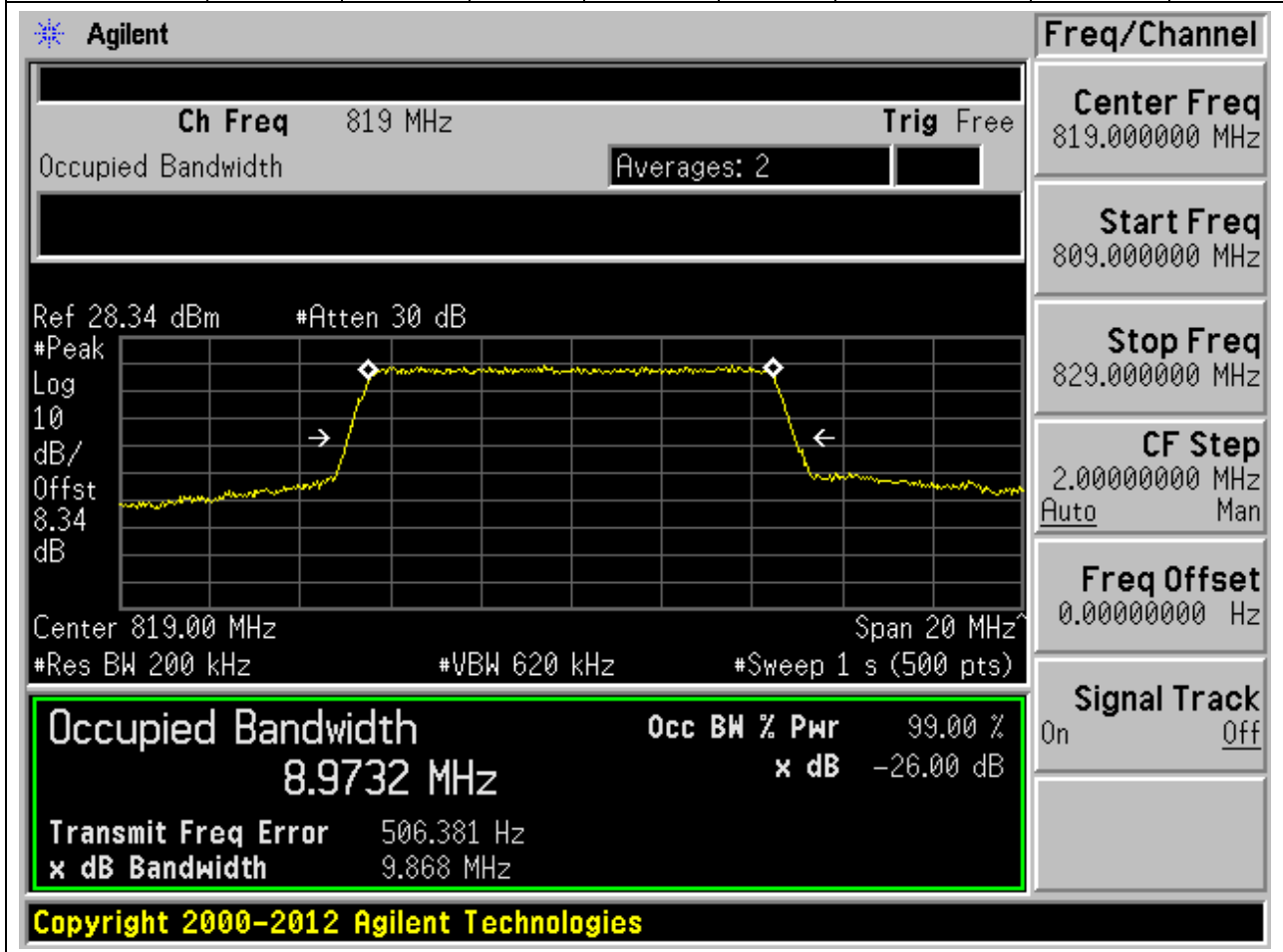
Signal Track On Off

Occupied Bandwidth	Occ BW % Pwr 99.00 %
4.5028 MHz	x dB -26.00 dB
Transmit Freq Error 4.258 kHz	
x dB Bandwidth 4.990 MHz	

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15.19. LTE Occupied Bandwidth(NTNV)(Subtest:19, Channel:26740, 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
819	99	26	0.2	Peak	8.97	9.87	10	Pass



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

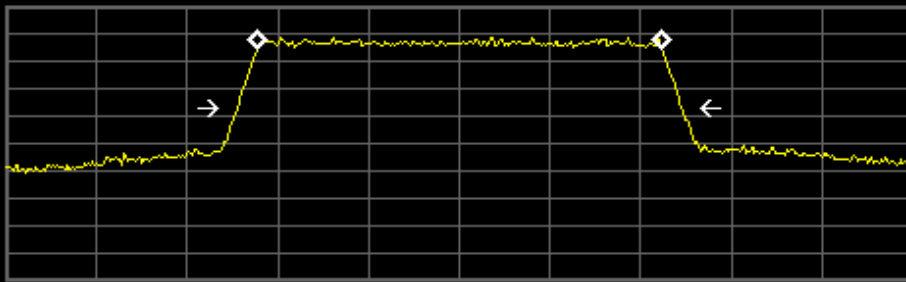
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
819	99	26	0.2	Peak	8.96	9.83	10	Pass

Agilent
Freq/Channel

Ch Freq 819 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.34 dBm #Atten 30 dB



Center 819.00 MHz Span 20 MHz

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

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

Occupied Bandwidth

8.9576 MHz

Transmit Freq Error -1.699 kHz

x dB Bandwidth 9.826 MHz

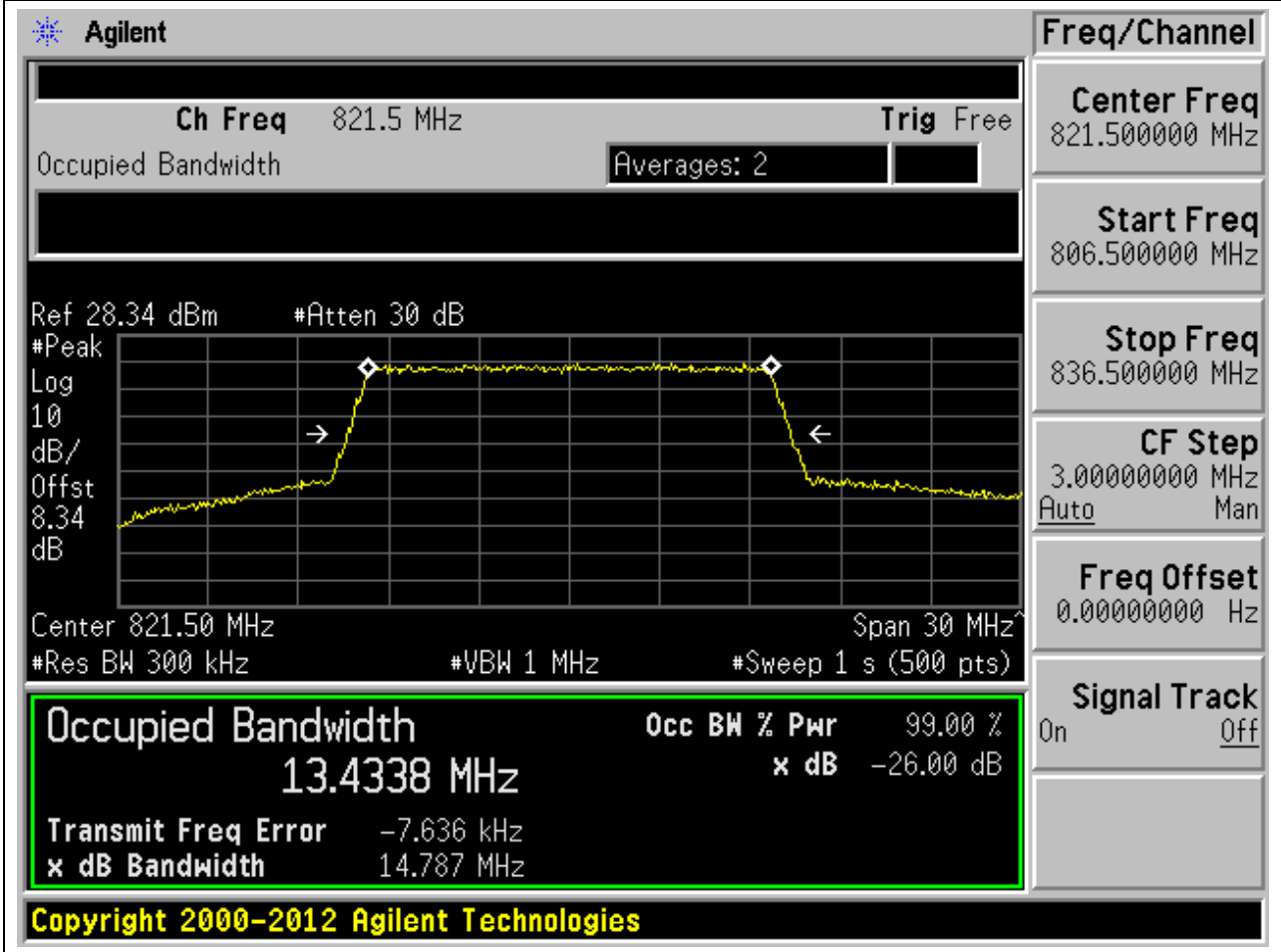
Occ BW % Pwr 99.00 %

x dB -26.00 dB

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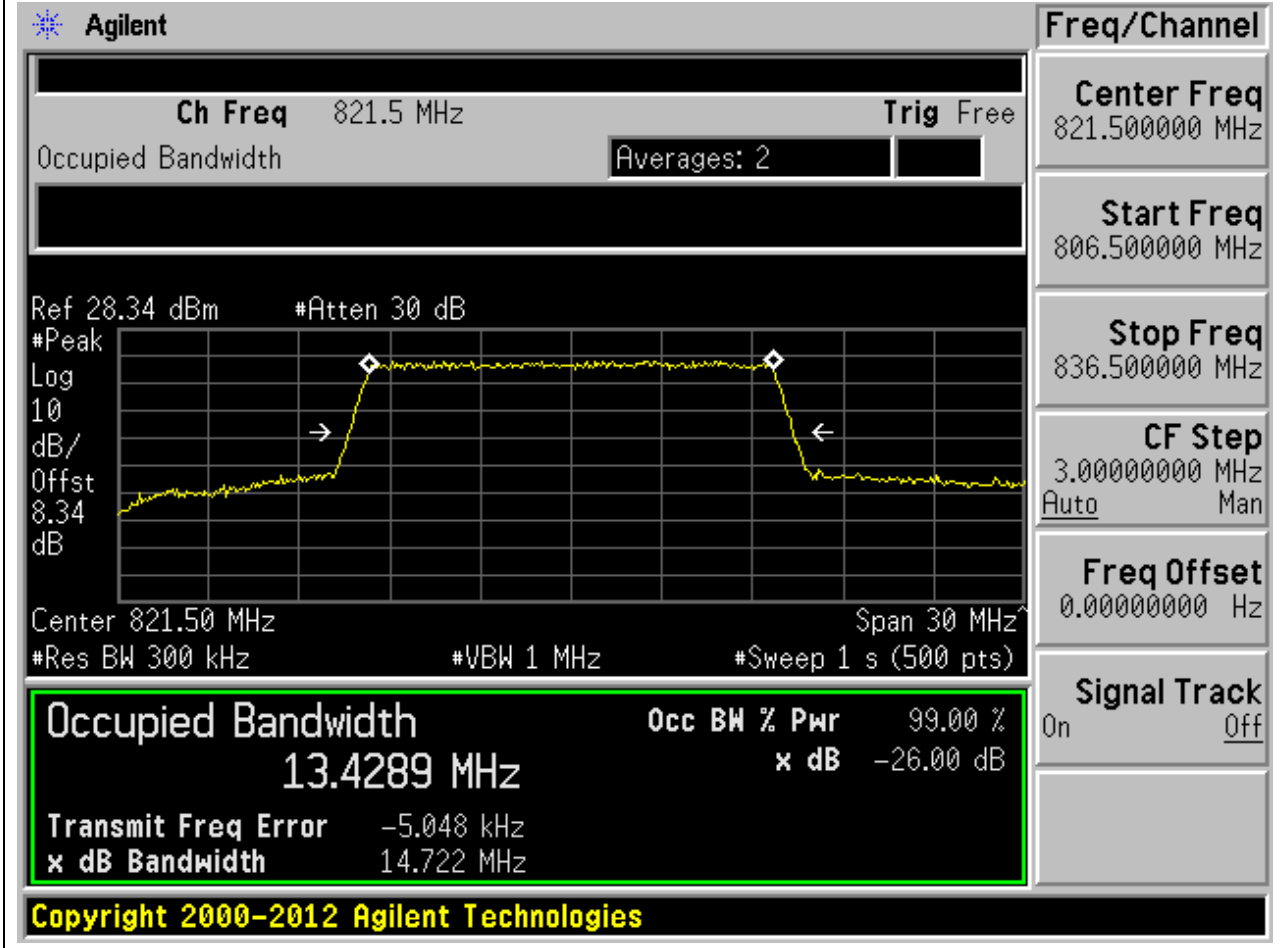
15.21. LTE Occupied Bandwidth(NTNV)(Subtest:21, Channel:26765, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
821.5	99	26	0.3	Peak	13.43	14.79	15	Pass



15.22. LTE Occupied Bandwidth(NTNV)(Subtest:22, Channel:26765, 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
821.5	99	26	0.3	Peak	13.43	14.72	15	Pass



16. LTE_Band38

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



16.2. 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	4.51	5.34	5	Pass

Agilent
Freq/Channel

Ch Freq 2.5725 GHz Trig Free

Occupied Bandwidth Averages: 2

Center Freq 2.57250000 GHz

Start Freq 2.56750000 GHz

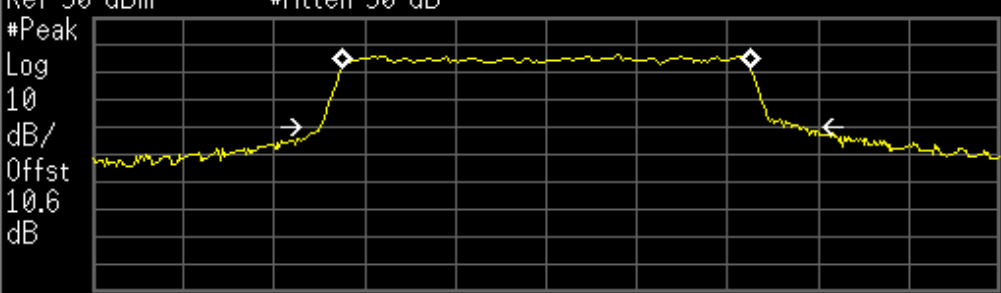
Stop Freq 2.57750000 GHz

CF Step 1.00000000 MHz
Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

Ref 30 dBm #Atten 30 dB



Center 2.572 500 GHz Span 10 MHz

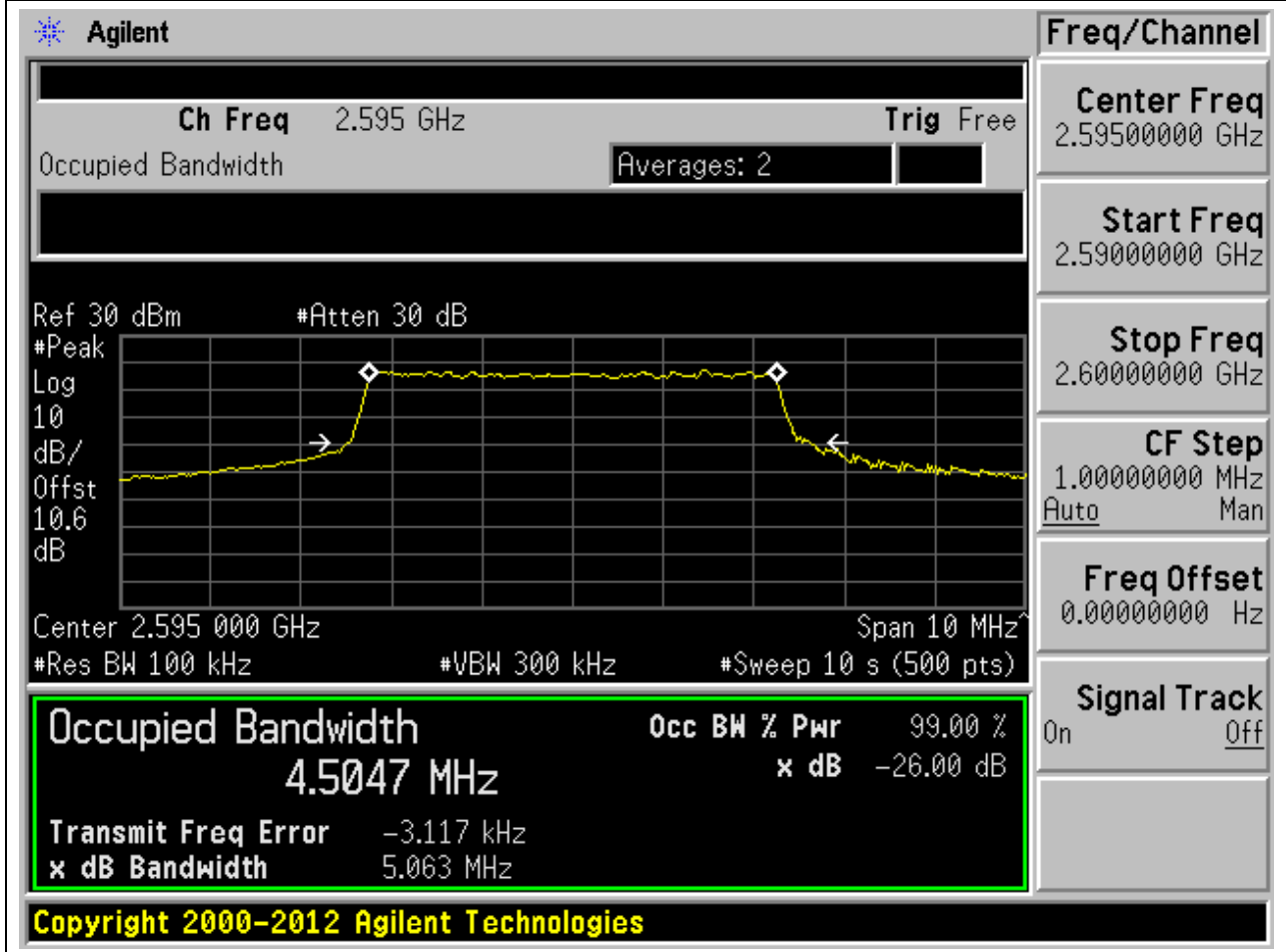
#Res BW 100 kHz #VBW 300 kHz #Sweep 10 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
4.5104 MHz	x dB -26.00 dB
Transmit Freq Error -2.188 kHz	
x dB Bandwidth 5.337 MHz	

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16.3. LTE Occupied Bandwidth(NTNV)(Subtest:3, Channel:38000, 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
2595	99	26	0.1	Peak	4.5	5.06	5	Pass



16.4. 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	4.51	5.18	5	Pass

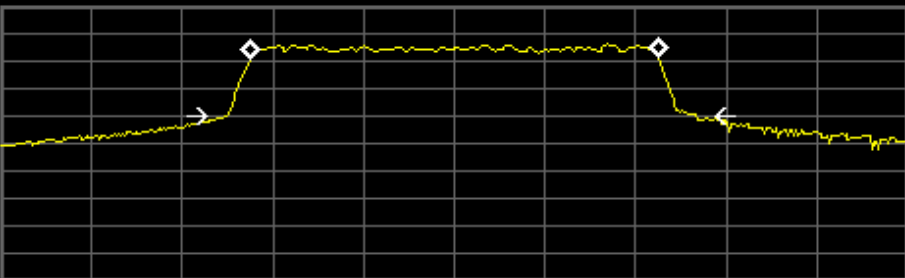
Agilent
Freq/Channel

Ch Freq 2.595 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 10.6 dB



Center 2.595 000 GHz Span 10 MHz

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

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

4.5074 MHz

Transmit Freq Error -3.387 kHz

x dB Bandwidth 5.179 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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

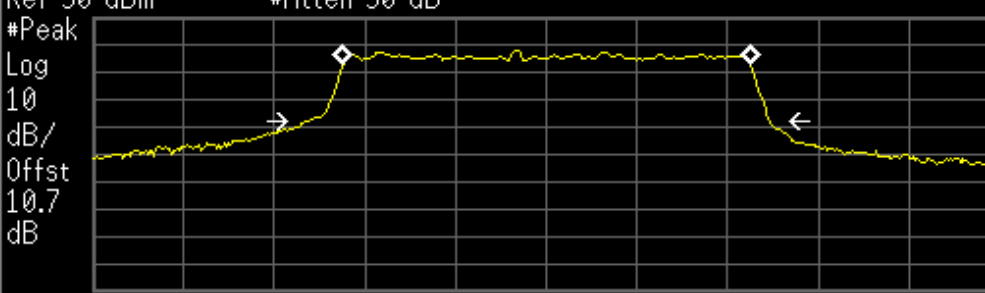
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2617.5	99	26	0.1	Peak	4.5	5.08	5	Pass

Agilent
Freq/Channel

Ch Freq 2.6175 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB



Center 2.617 500 GHz Span 10 MHz

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

Center Freq 2.61750000 GHz

Start Freq 2.61250000 GHz

Stop Freq 2.62250000 GHz

CF Step 1.00000000 MHz
Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

Occupied Bandwidth

4.4982 MHz

Transmit Freq Error 80.179 Hz

x dB Bandwidth 5.077 MHz

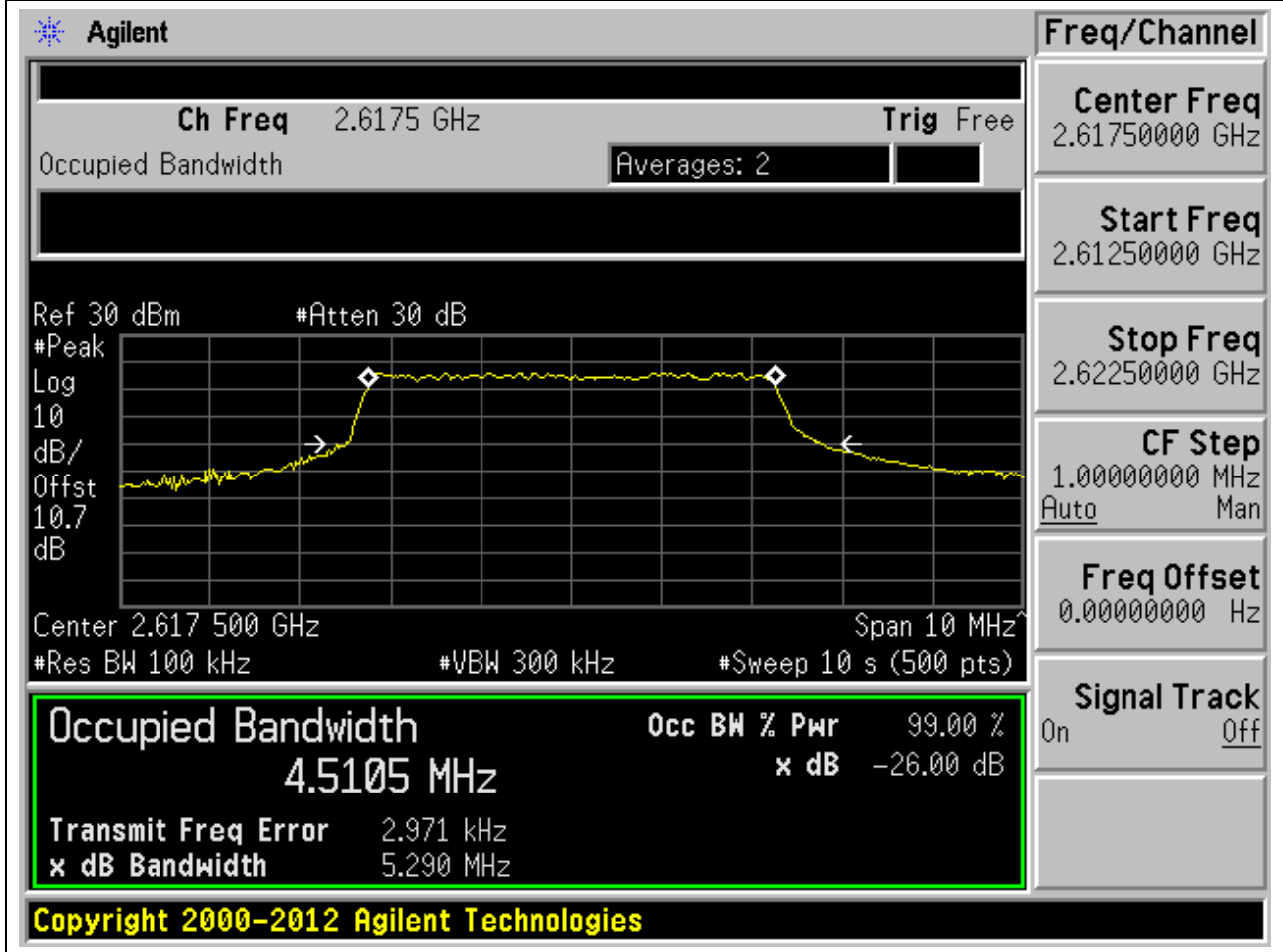
Occ BW % Pwr 99.00 %

x dB -26.00 dB

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16.6. 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	4.51	5.29	5	Pass



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

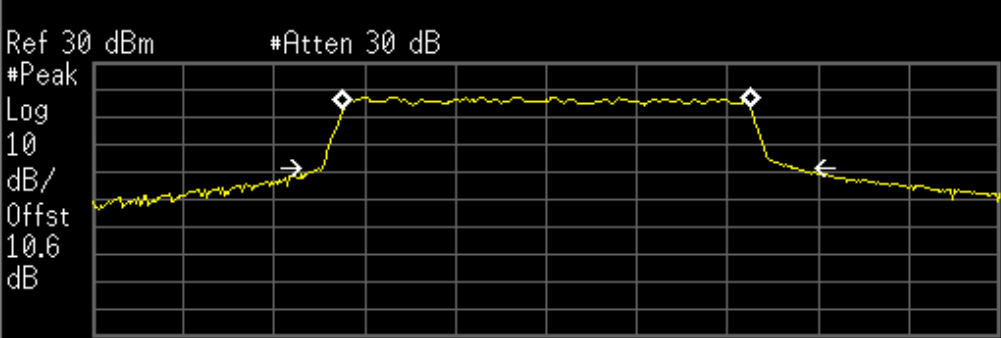
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2575	99	26	0.2	Peak	9	10.46	10	Pass

Agilent
Freq/Channel

Ch Freq 2.575 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB



Center 2.575 00 GHz Span 20 MHz

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

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

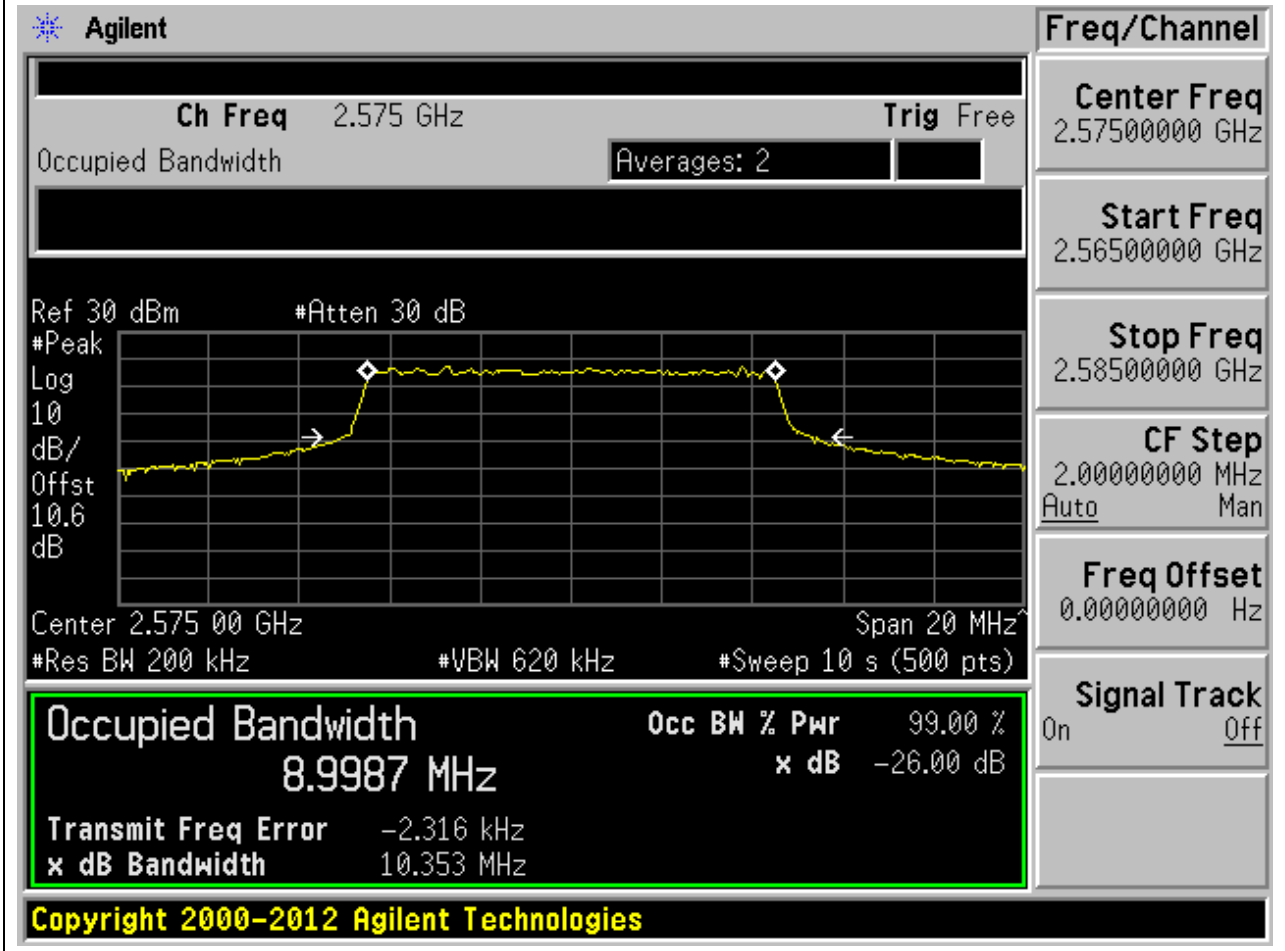
Signal Track
On Off

Occupied Bandwidth	Occ BW % Pwr	99.00 %
9.0039 MHz	x dB	-26.00 dB
Transmit Freq Error	12.676 kHz	
x dB Bandwidth	10.464 MHz	

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16.8. 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	9	10.35	10	Pass



16.9. 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	9	10.78	10	Pass

Agilent
Freq/Channel

Ch Freq 2.595 GHz Trig Free

Occupied Bandwidth Averages: 2

Center Freq 2.59500000 GHz

Start Freq 2.58500000 GHz

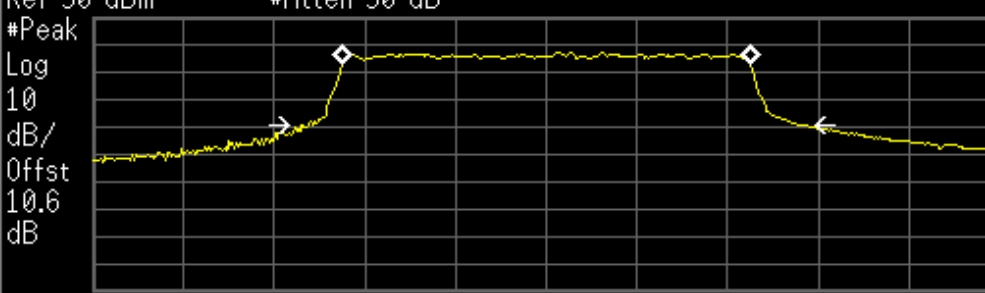
Stop Freq 2.60500000 GHz

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 %

8.9985 MHz x dB -26.00 dB

Transmit Freq Error -634.894 Hz

x dB Bandwidth 10.775 MHz

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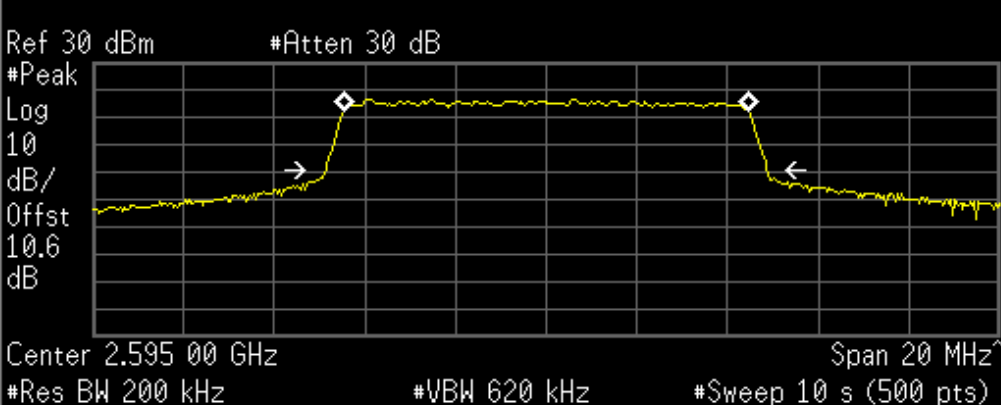
16.10. LTE Occupied Bandwidth(NTNV)(Subtest:10, Channel:38000, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)

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	8.95	9.77	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 10.6 dB

Center 2.595 00 GHz Span 20 MHz

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

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

Occupied Bandwidth

8.9461 MHz

Transmit Freq Error -3.549 kHz

x dB Bandwidth 9.766 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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16.11. 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	9.01	10.4	10	Pass

Agilent
Freq/Channel

Ch Freq 2.615 GHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Center Freq
2.61500000 GHz

Start Freq
2.60500000 GHz

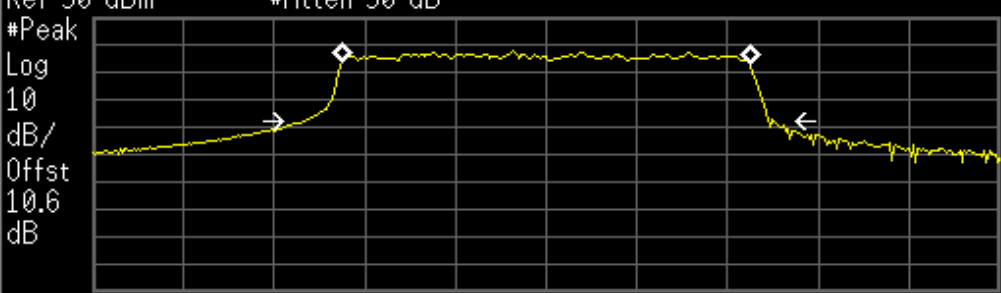
Stop Freq
2.62500000 GHz

CF Step
2.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Ref 30 dBm #Atten 30 dB



Center 2.615 00 GHz Span 20 MHz

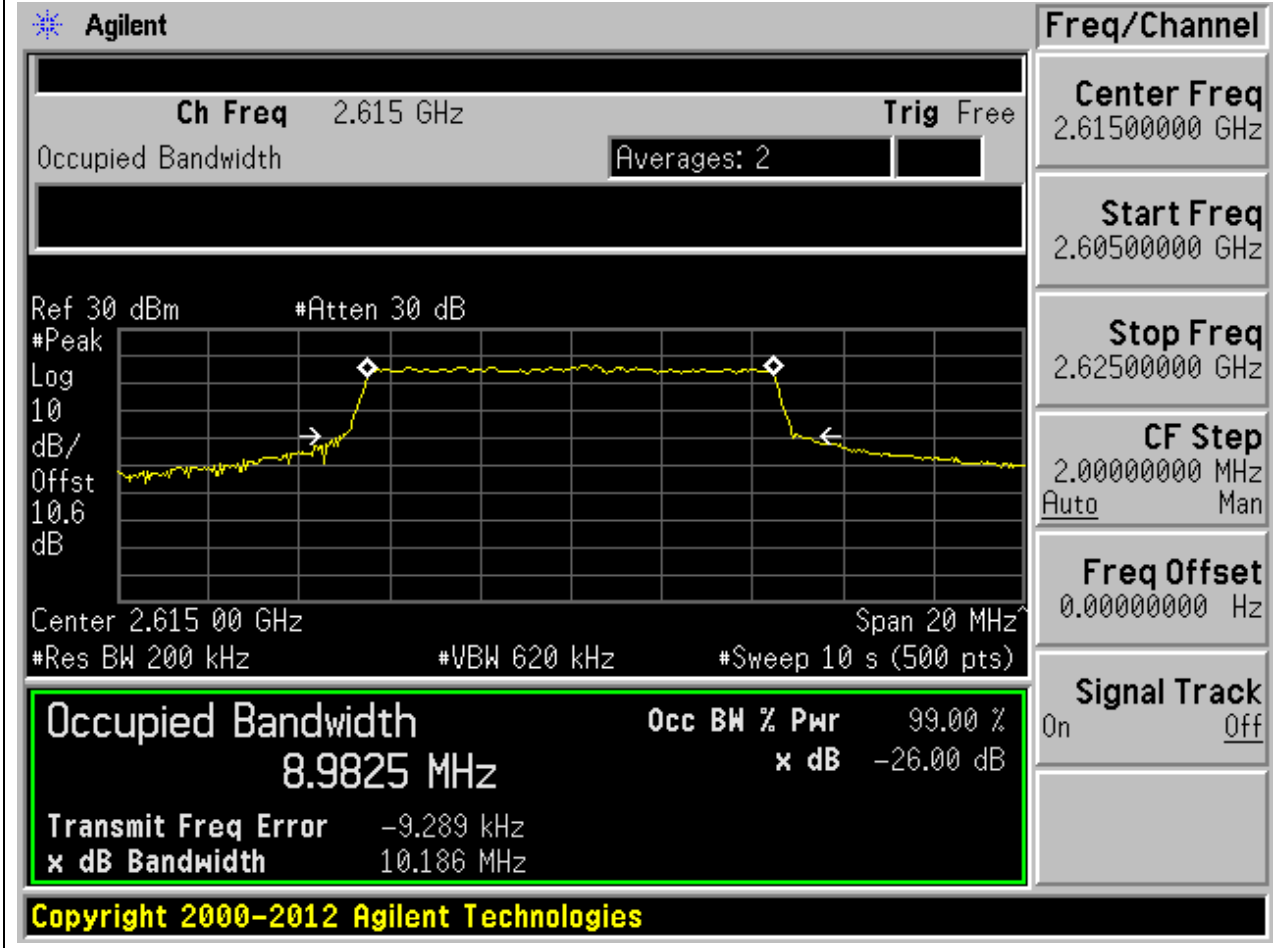
#Res BW 200 kHz #VBW 620 kHz #Sweep 10 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
9.0146 MHz	x dB -26.00 dB
Transmit Freq Error -15.077 kHz	
x dB Bandwidth 10.402 MHz	

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16.12. 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	8.98	10.19	10	Pass



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

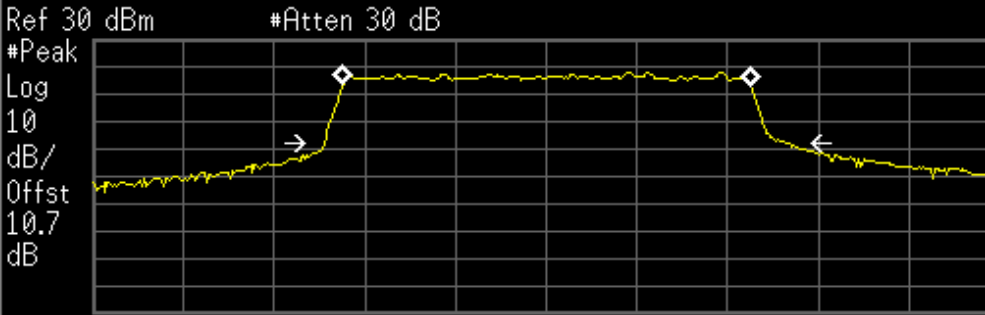
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2577.5	99	26	0.3	Peak	13.49	15.43	15	Pass

Agilent
Freq/Channel

Ch Freq 2.5775 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB



Center 2.577 50 GHz Span 30 MHz

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

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

13.4868 MHz

Transmit Freq Error 9.712 kHz

x dB Bandwidth 15.435 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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16.14. 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	13.47	14.71	15	Pass

Agilent
Freq/Channel

Ch Freq 2.5775 GHz Trig Free

Occupied Bandwidth Averages: 2

Center Freq 2.57750000 GHz

Start Freq 2.56250000 GHz

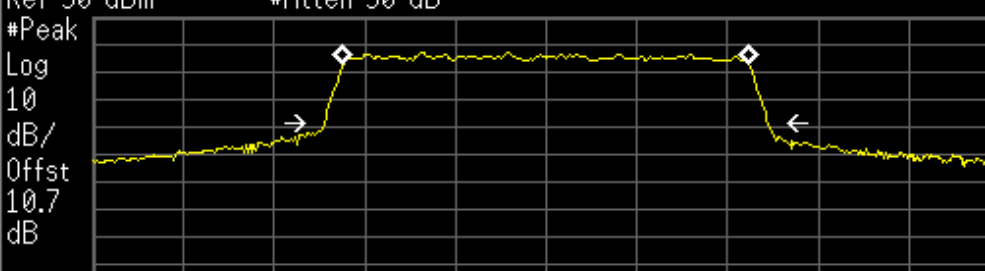
Stop Freq 2.59250000 GHz

CF Step 3.00000000 MHz
Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

Ref 30 dBm #Atten 30 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 %

13.4724 MHz x dB -26.00 dB

Transmit Freq Error -8.759 kHz

x dB Bandwidth 14.705 MHz

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

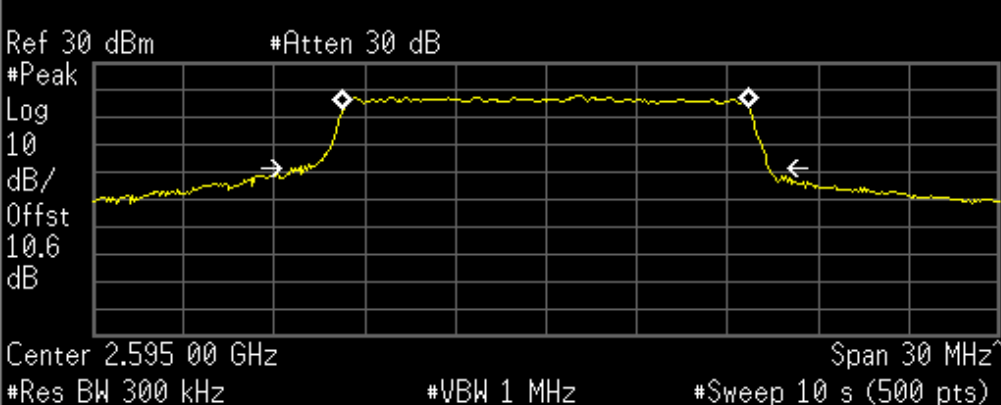
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2595	99	26	0.3	Peak	13.44	15.46	15	Pass

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

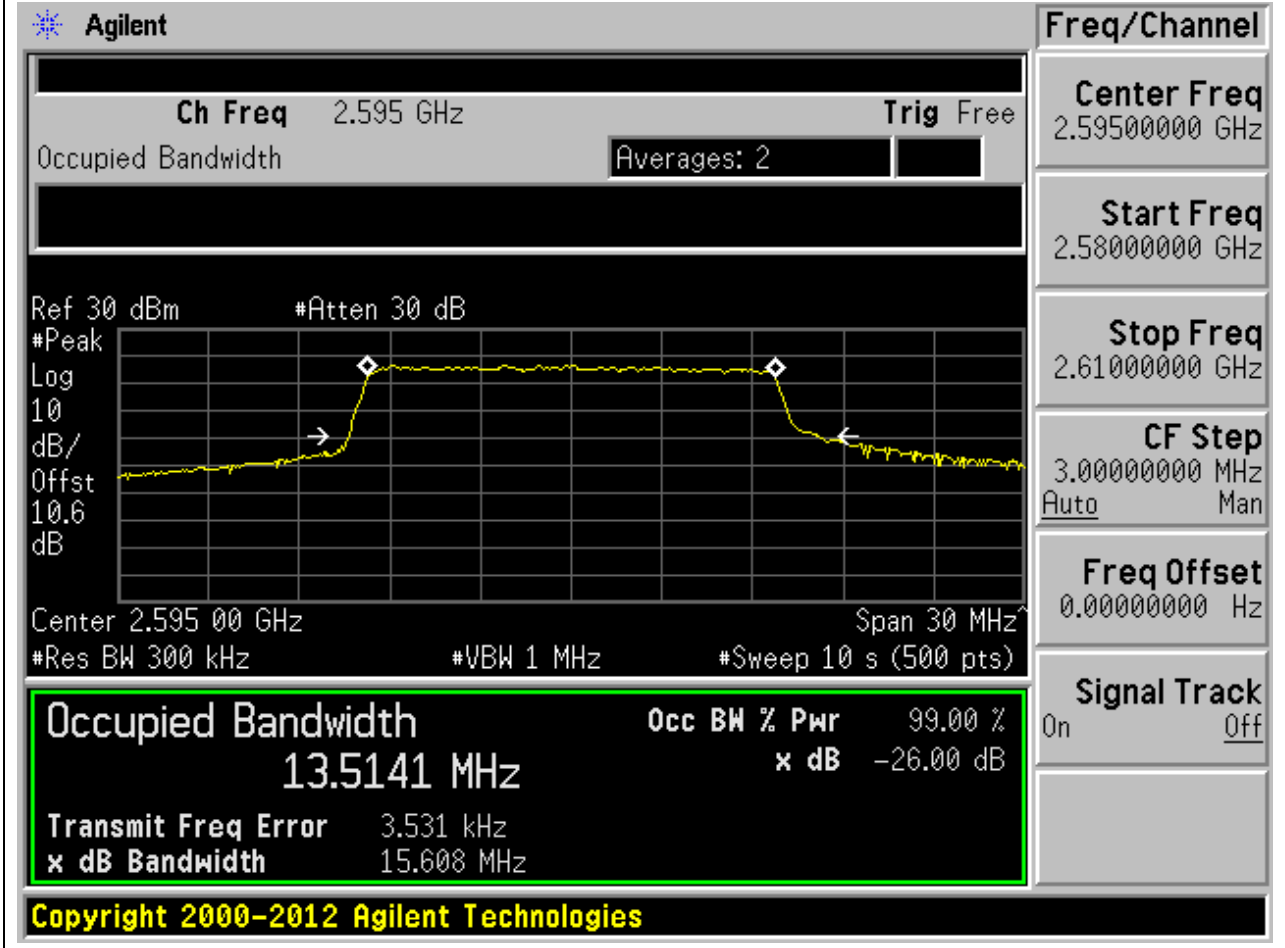
Signal Track On Off

Occupied Bandwidth	Occ BW % Pwr 99.00 %
13.4376 MHz	x dB -26.00 dB
Transmit Freq Error -15.200 kHz	
x dB Bandwidth 15.457 MHz	

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16.16. 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	13.51	15.61	15	Pass



16.17. 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	13.43	15.99	15	Pass

Agilent
Freq/Channel

Ch Freq 2.6125 GHz Trig Free

Occupied Bandwidth Averages: 2

Center Freq 2.61250000 GHz

Start Freq 2.59750000 GHz

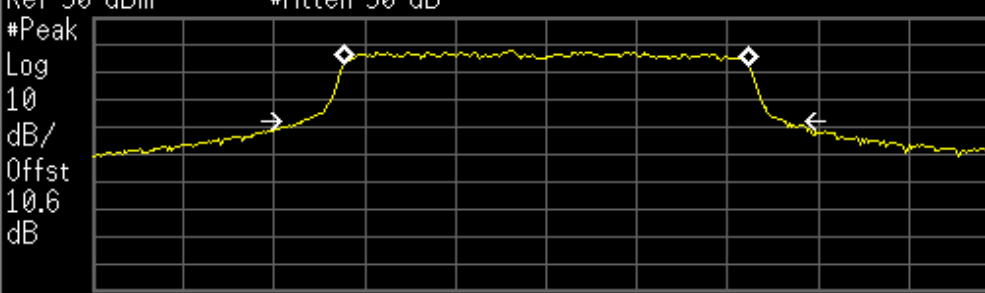
Stop Freq 2.62750000 GHz

CF Step 3.00000000 MHz
Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

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)

Occupied Bandwidth Occ BW % Pwr 99.00 %

13.4287 MHz x dB -26.00 dB

Transmit Freq Error -14.393 kHz

x dB Bandwidth 15.993 MHz

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

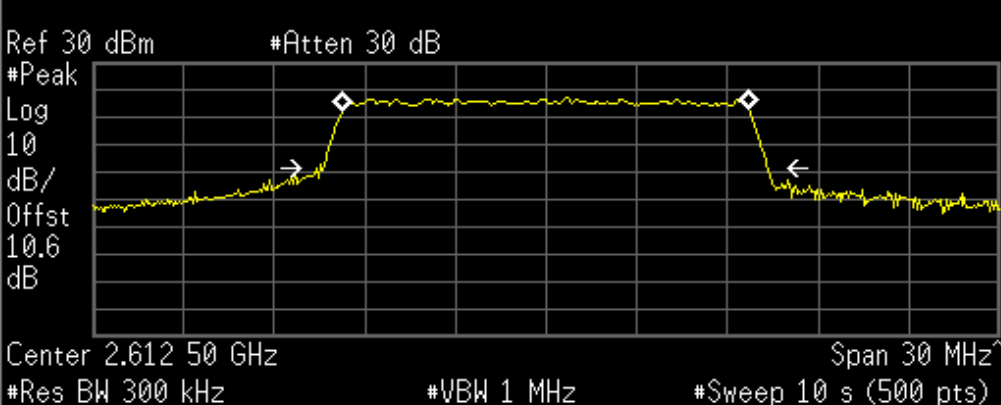
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2612.5	99	26	0.3	Peak	13.48	14.84	15	Pass

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

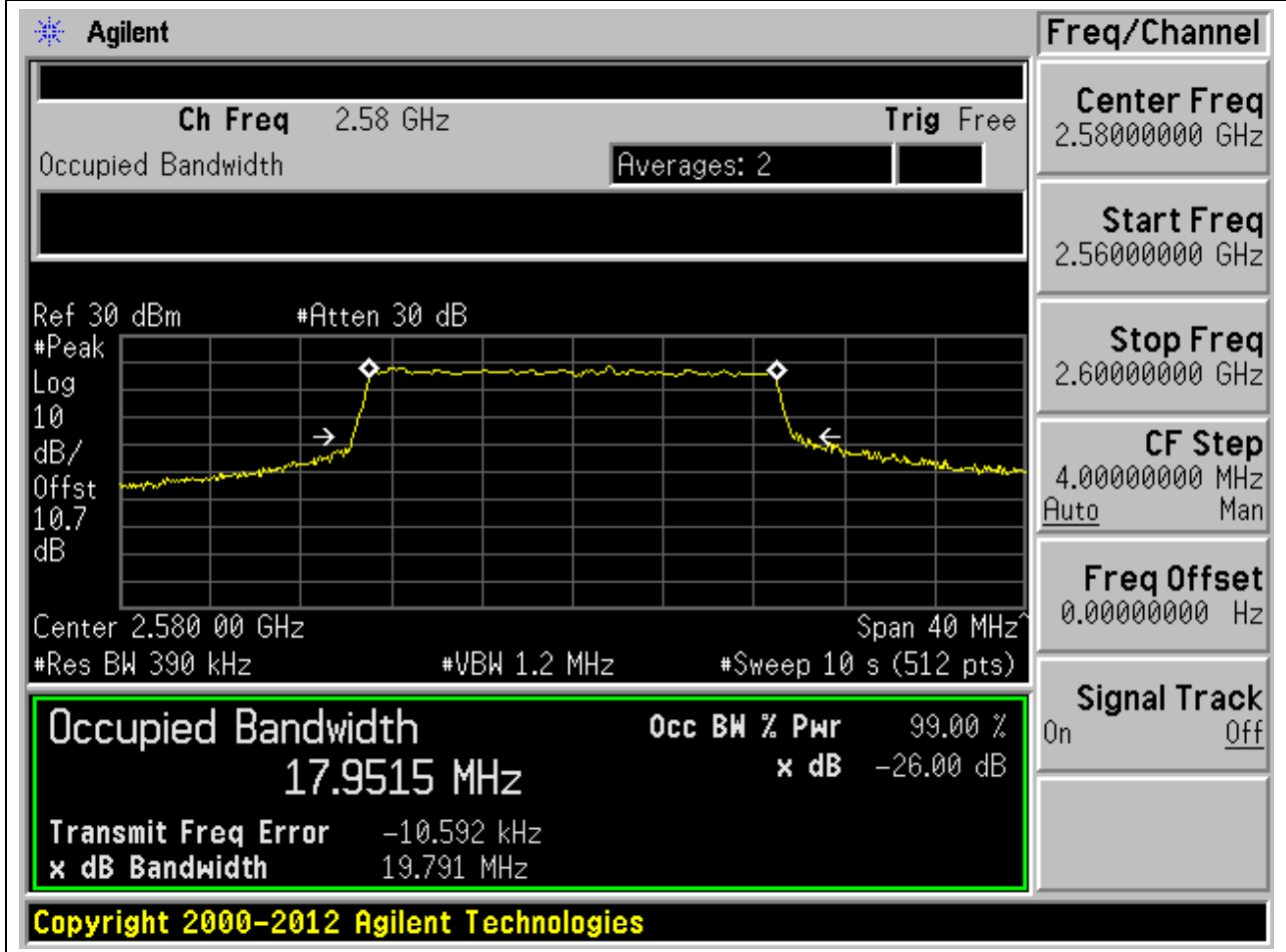
Signal Track On Off

Occupied Bandwidth	Occ BW % Pwr	99.00 %
13.4798 MHz	x dB	-26.00 dB
Transmit Freq Error		-31.501 kHz
x dB Bandwidth		14.843 MHz

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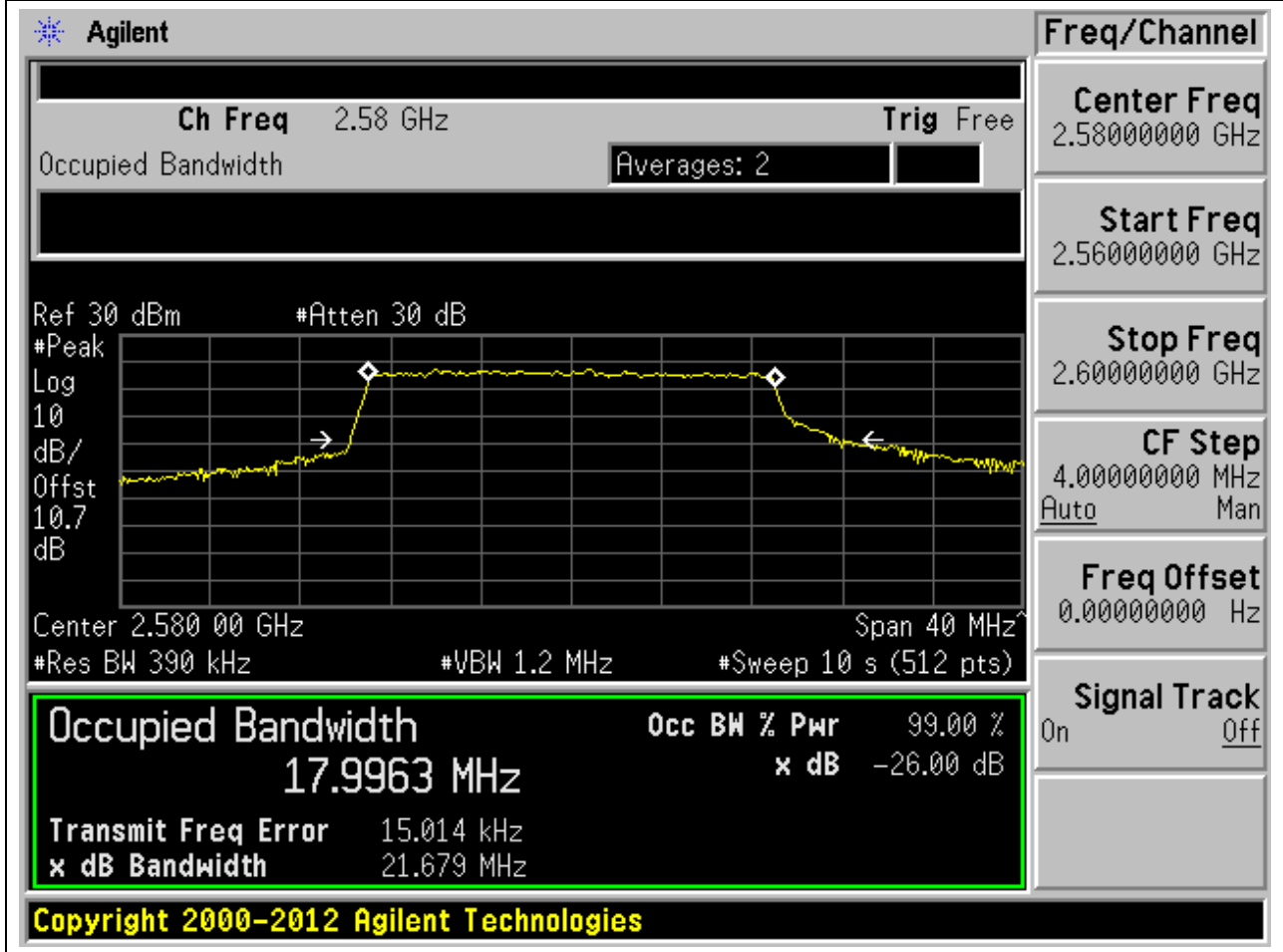
16.19. LTE Occupied Bandwidth(NTNV)(Subtest:19, Channel:37850, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)

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	17.95	19.79	20	Pass



16.20. 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	18	21.68	20	Pass



16.21. LTE Occupied Bandwidth(NTNV)(Subtest:21, Channel:38000, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)

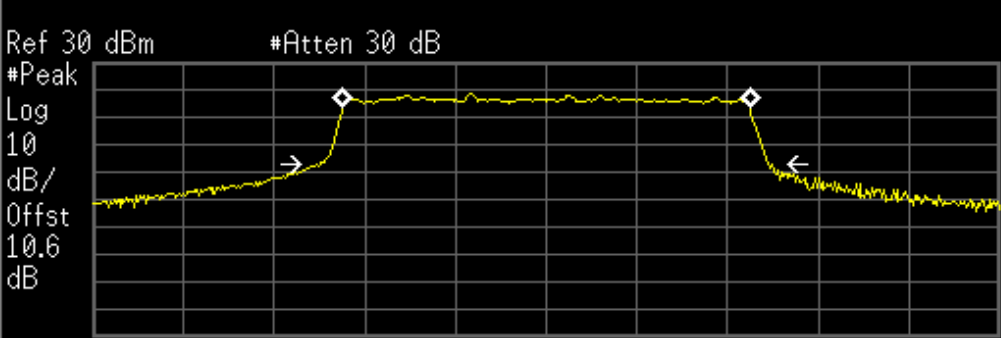
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2595	99	26	0.39	Peak	17.91	19.86	20	Pass

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 40 MHz

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

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 %
17.9121 MHz	x dB -26.00 dB
Transmit Freq Error -10.636 kHz	
x dB Bandwidth 19.864 MHz	

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16.22. LTE Occupied Bandwidth(NTNV)(Subtest:22, Channel:38000, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)

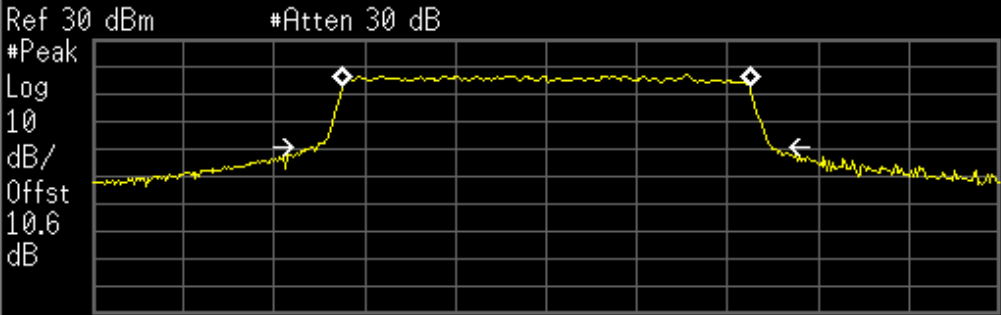
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2595	99	26	0.39	Peak	17.93	20.24	20	Pass

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 40 MHz

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

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

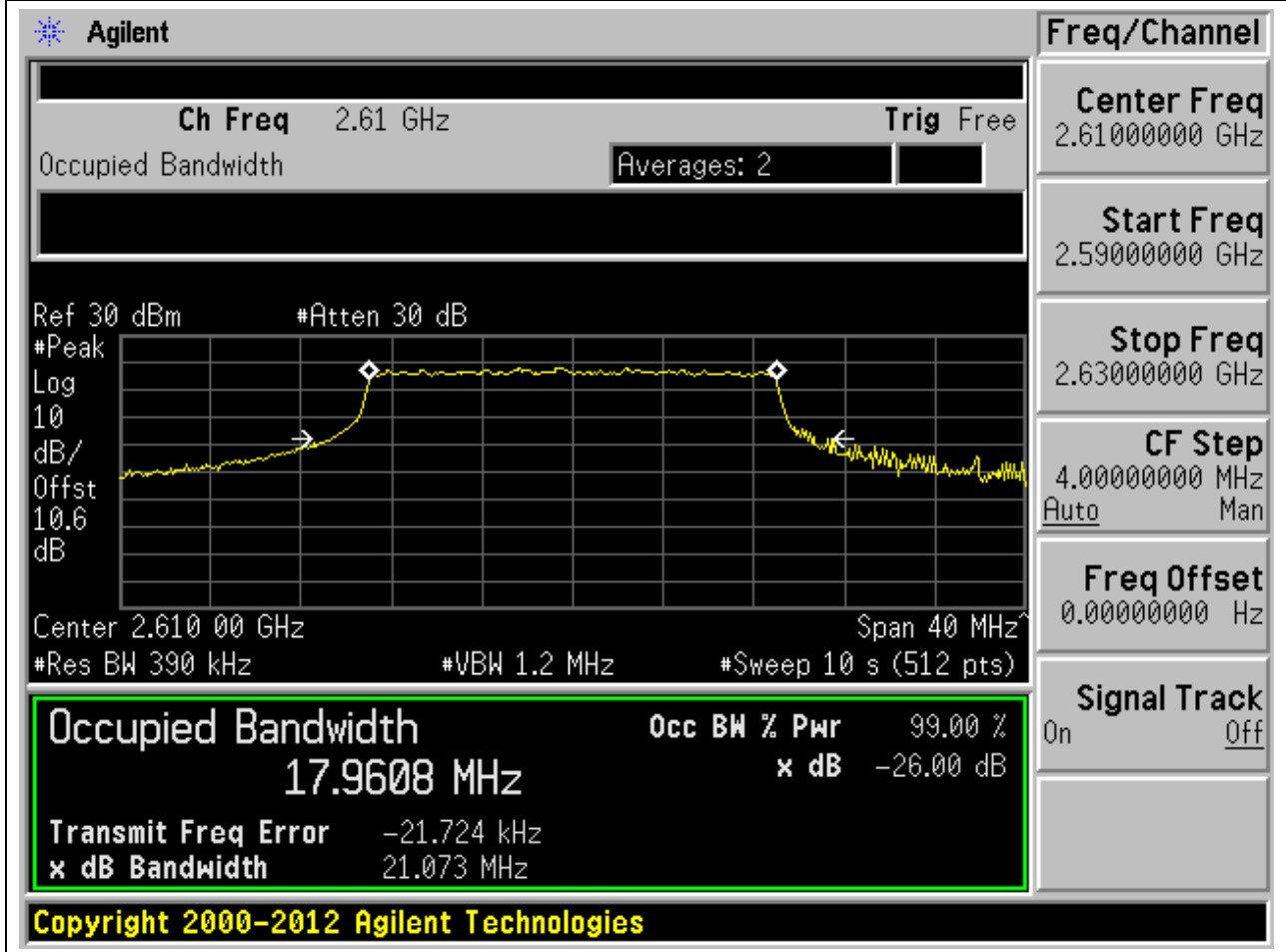
Signal Track On Off

Occupied Bandwidth	Occ BW % Pwr 99.00 %
17.9270 MHz	x dB -26.00 dB
Transmit Freq Error -19.311 kHz	
x dB Bandwidth 20.239 MHz	

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16.23. 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	17.96	21.07	20	Pass



16.24. 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	17.93	20.98	20	Pass

Agilent
Freq/Channel

Ch Freq 2.61 GHz Trig Free

Occupied Bandwidth Averages: 2

Center Freq 2.61000000 GHz

Start Freq 2.59000000 GHz

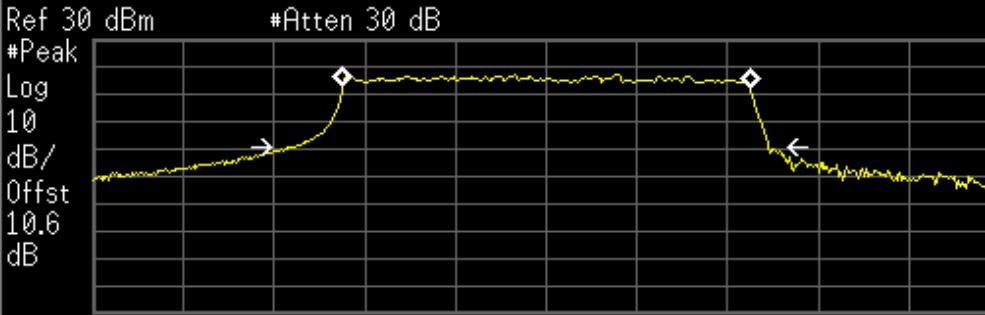
Stop Freq 2.63000000 GHz

CF Step 4.00000000 MHz
Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

Ref 30 dBm #Atten 30 dB



Center 2.610 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 %

17.9297 MHz x dB -26.00 dB

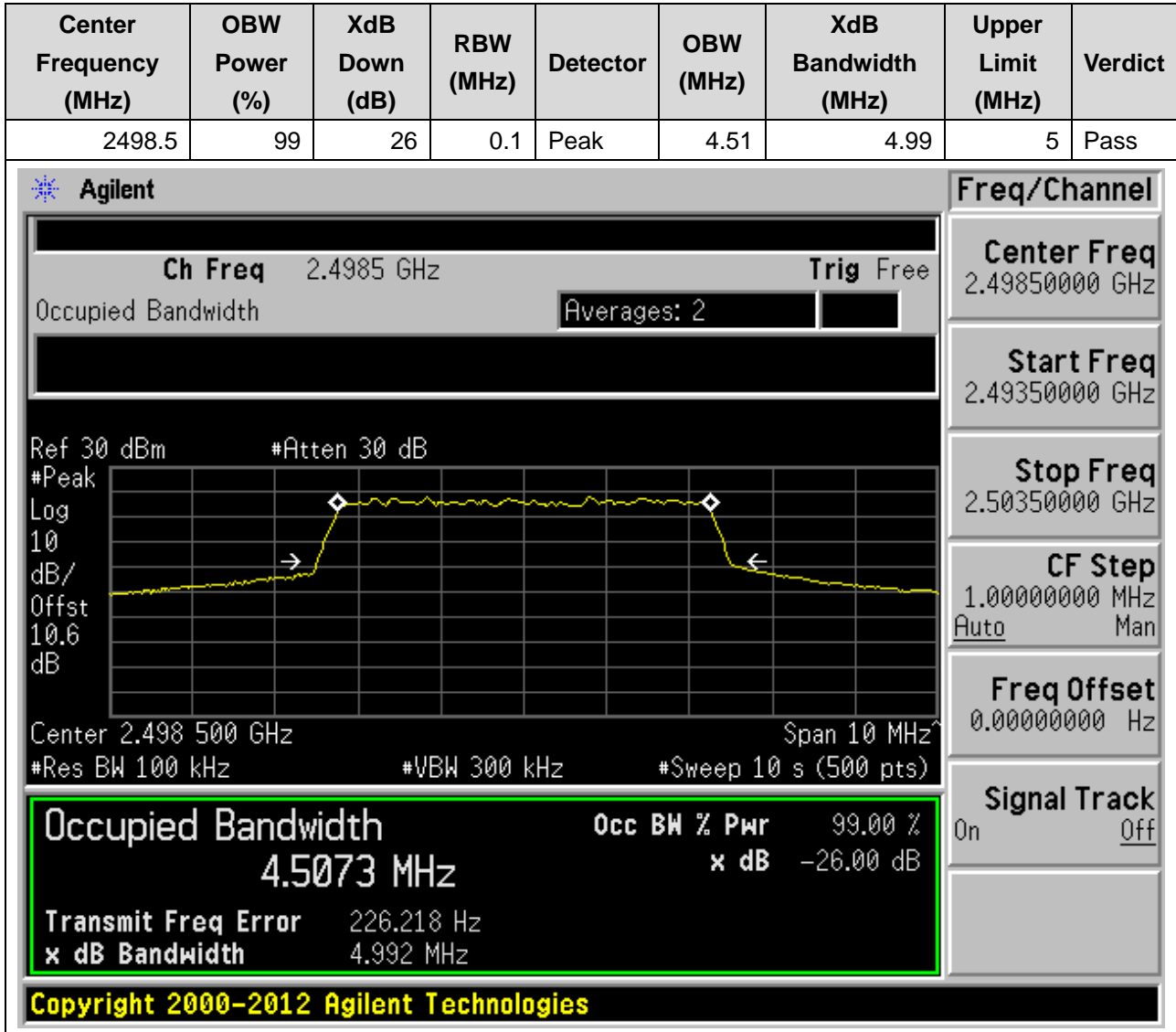
Transmit Freq Error -17.407 kHz

x dB Bandwidth 20.981 MHz

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17. LTE_Band41 full

17.1. LTE Occupied Bandwidth(NTNV)(Subtest:1, Channel:39675, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)



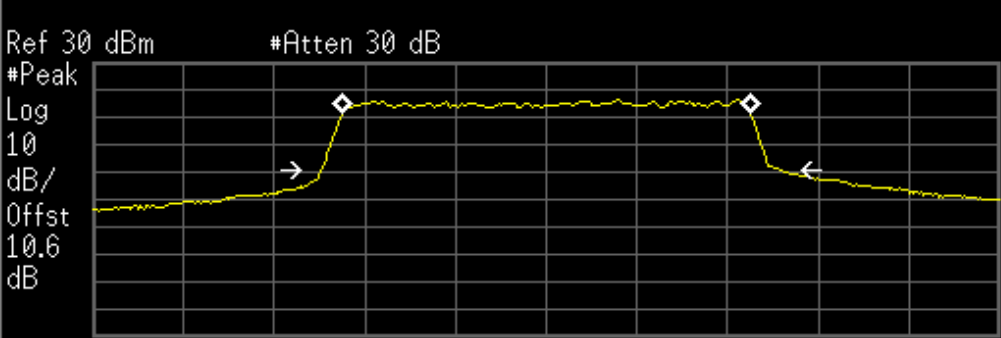
17.2. LTE Occupied Bandwidth(NTNV)(Subtest:2, Channel:39675, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2498.5	99	26	0.1	Peak	4.51	5.08	5	Pass

Agilent
Freq/Channel

Ch Freq 2.4985 GHz Trig Free

Occupied Bandwidth Averages: 2



Center 2.498 500 GHz Span 10 MHz

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

Center Freq 2.49850000 GHz

Start Freq 2.49350000 GHz

Stop Freq 2.50350000 GHz

CF Step 1.00000000 MHz
Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

Occupied Bandwidth

4.5053 MHz

Transmit Freq Error -205.377 Hz

x dB Bandwidth 5.083 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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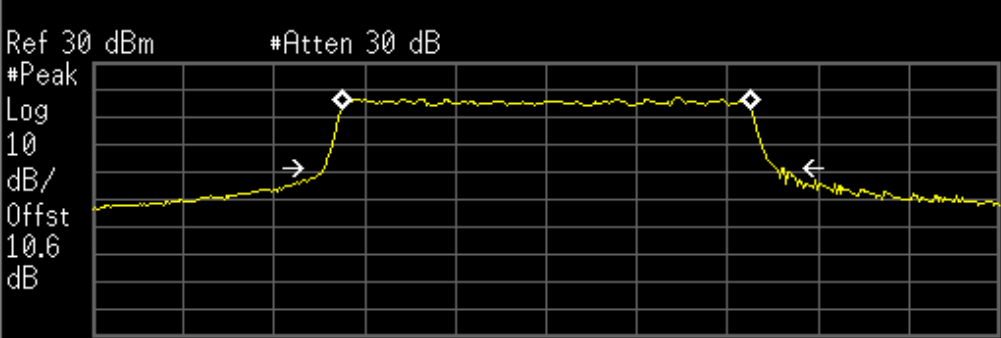
17.3. LTE Occupied Bandwidth(NTNV)(Subtest:3, Channel:40620, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2593	99	26	0.1	Peak	4.51	5.05	5	Pass

Agilent
Freq/Channel

Ch Freq 2.593 GHz Trig Free

Occupied Bandwidth Averages: 2



Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.6 dB

Center 2.593 000 GHz Span 10 MHz

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

Center Freq 2.59300000 GHz

Start Freq 2.58800000 GHz

Stop Freq 2.59800000 GHz

CF Step 1.00000000 MHz
Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

Occupied Bandwidth

4.5104 MHz

Transmit Freq Error -837.231 Hz

x dB Bandwidth 5.046 MHz

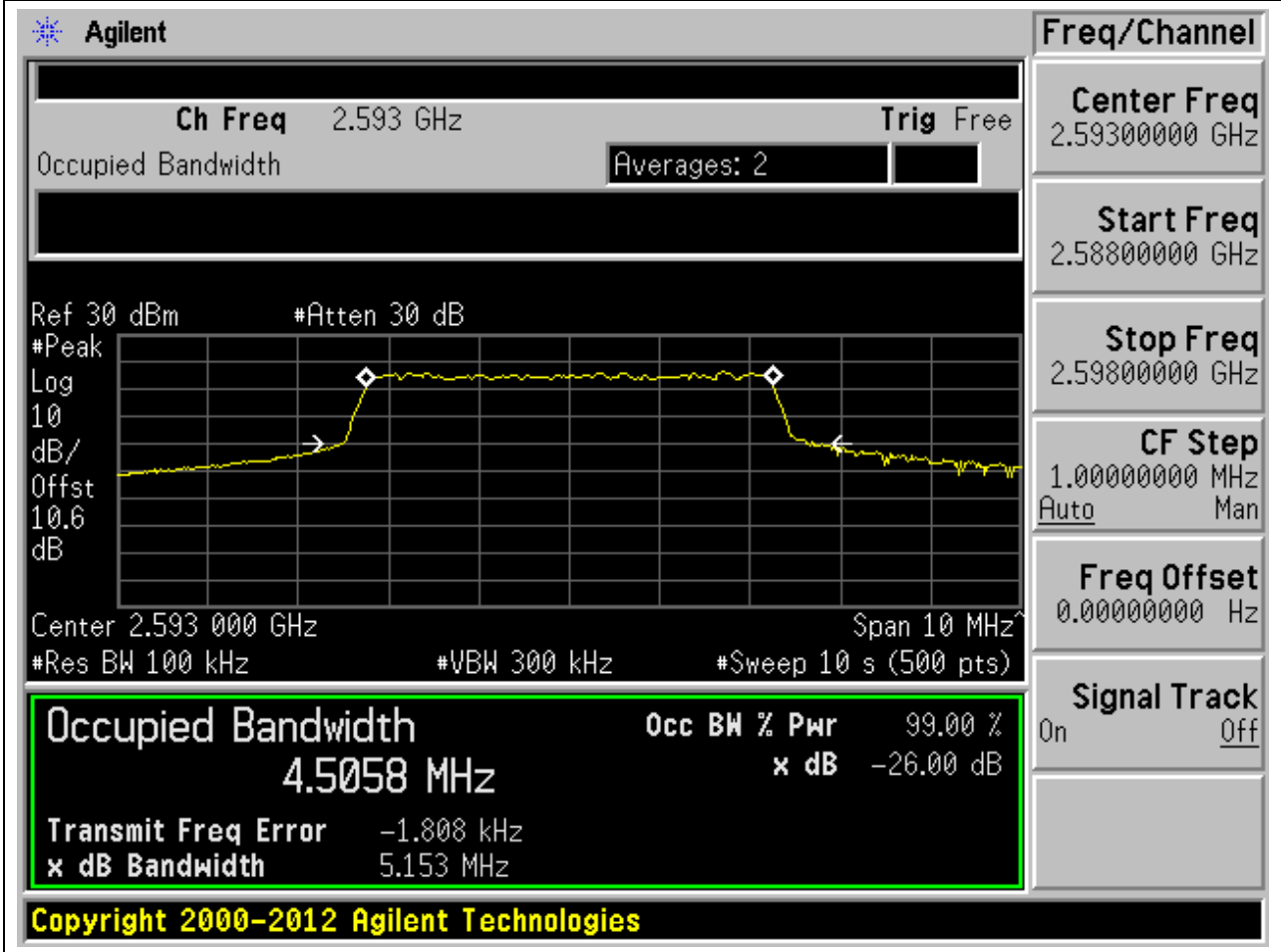
Occ BW % Pwr 99.00 %

x dB -26.00 dB

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17.4. LTE Occupied Bandwidth(NTNV)(Subtest:4, Channel:40620, 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
2593	99	26	0.1	Peak	4.51	5.15	5	Pass



17.5. 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	4.5	5.01	5	Pass

Agilent
Freq/Channel

Ch Freq 2.6875 GHz Trig Free

Occupied Bandwidth Averages: 2

Center Freq 2.68750000 GHz

Start Freq 2.68250000 GHz

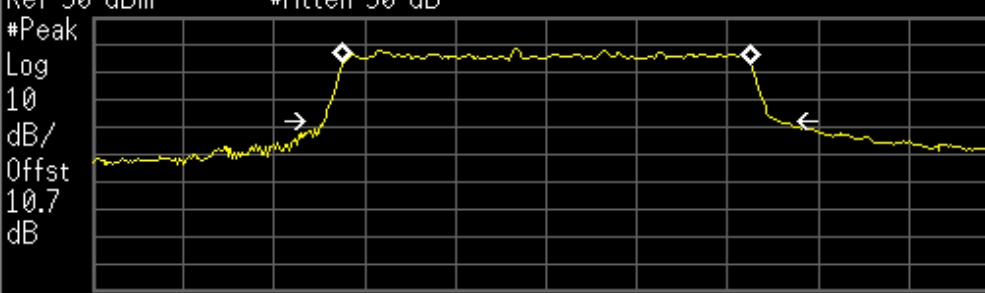
Stop Freq 2.69250000 GHz

CF Step 1.00000000 MHz
Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

Ref 30 dBm #Atten 30 dB



Center 2.687 500 GHz Span 10 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

4.4990 MHz x dB -26.00 dB

Transmit Freq Error 5.863 kHz

x dB Bandwidth 5.014 MHz

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17.6. LTE Occupied Bandwidth(NTNV)(Subtest:6, Channel:41565, 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
2687.5	99	26	0.1	Peak	4.52	5.42	5	Pass

Agilent
Freq/Channel

Ch Freq 2.6875 GHz Trig Free

Occupied Bandwidth Averages: 2

Center Freq 2.68750000 GHz

Start Freq 2.68250000 GHz

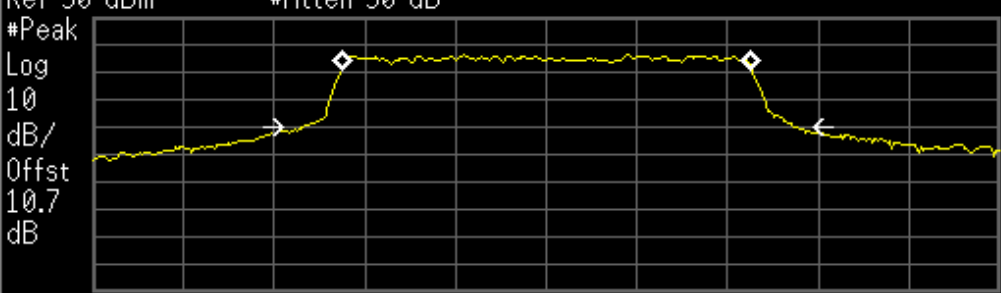
Stop Freq 2.69250000 GHz

CF Step 1.00000000 MHz
Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

Ref 30 dBm #Atten 30 dB



Center 2.687 500 GHz Span 10 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

4.5194 MHz x dB -26.00 dB

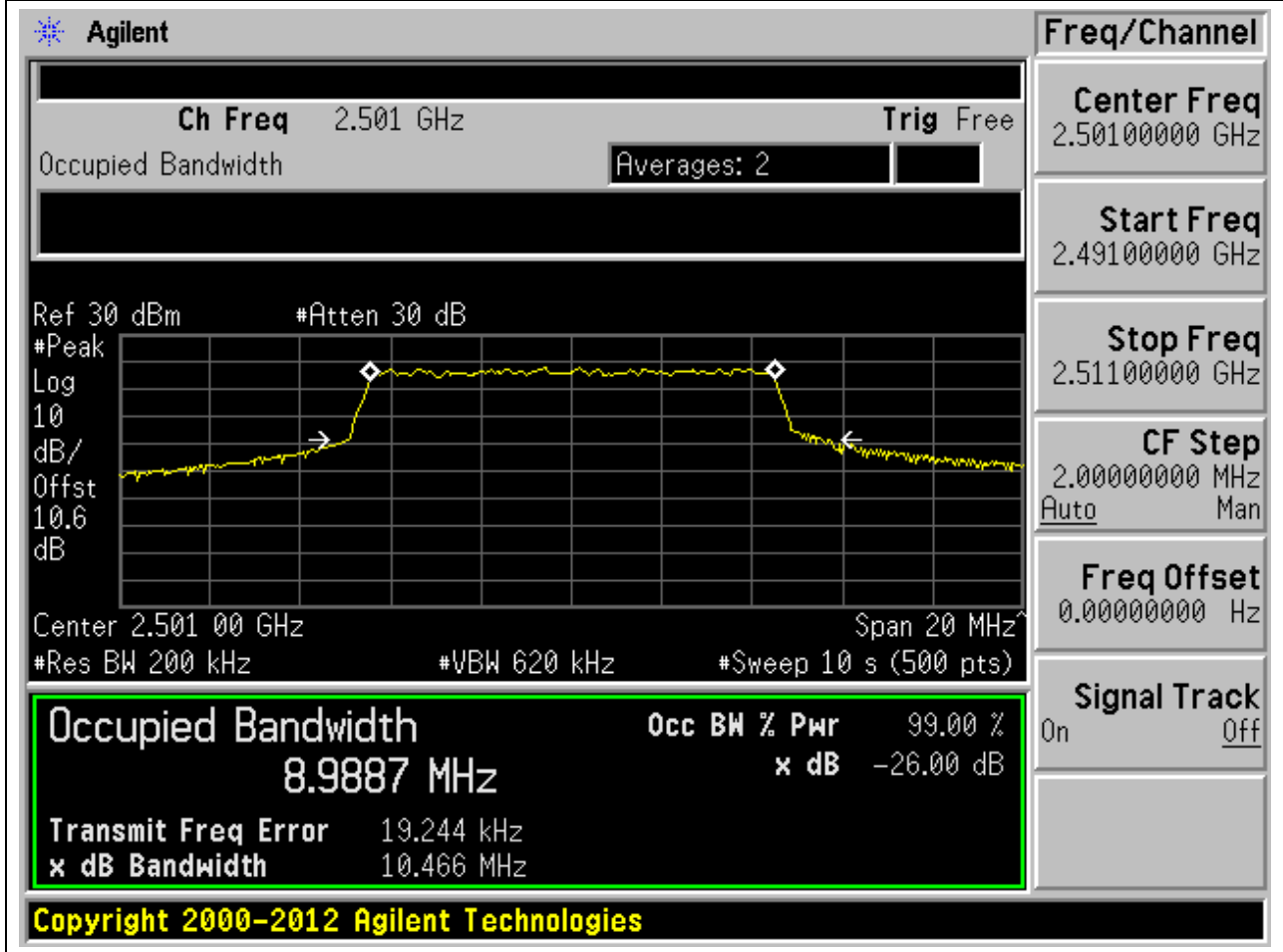
Transmit Freq Error 1.423 kHz

x dB Bandwidth 5.417 MHz

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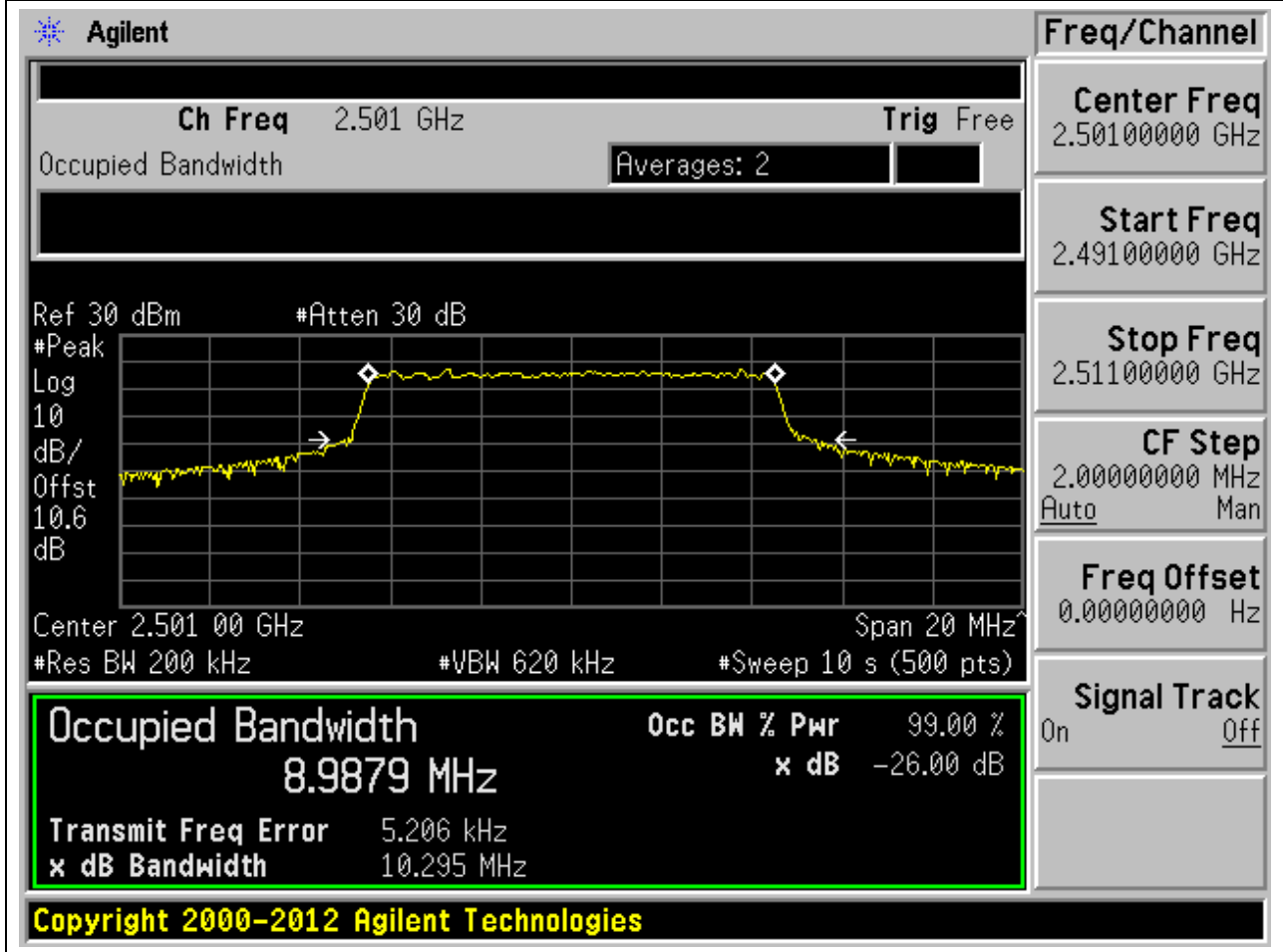
17.7. LTE Occupied Bandwidth(NTNV)(Subtest:7, Channel:39700, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2501	99	26	0.2	Peak	8.99	10.47	10	Pass



17.8. LTE Occupied Bandwidth(NTNV)(Subtest:8, Channel:39700, 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
2501	99	26	0.2	Peak	8.99	10.29	10	Pass



17.9. LTE Occupied Bandwidth(NTNV)(Subtest:9, Channel:40620, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)

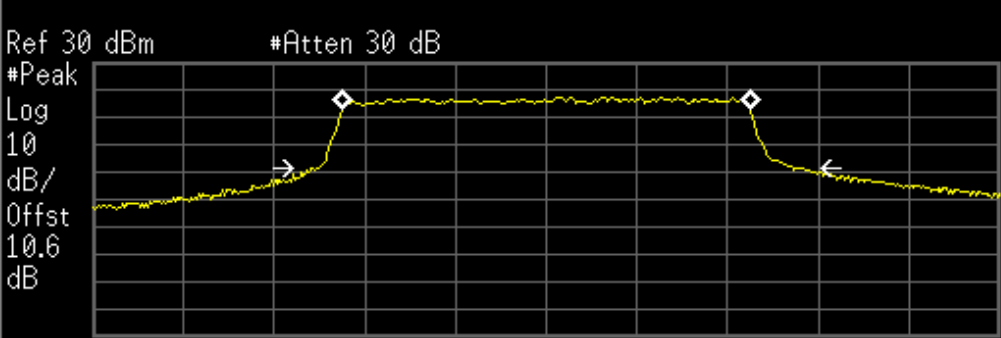
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2593	99	26	0.2	Peak	8.99	10.77	10	Pass

Agilent
Freq/Channel

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 10 s (500 pts)

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

8.9928 MHz

Transmit Freq Error -1.475 kHz

x dB Bandwidth 10.772 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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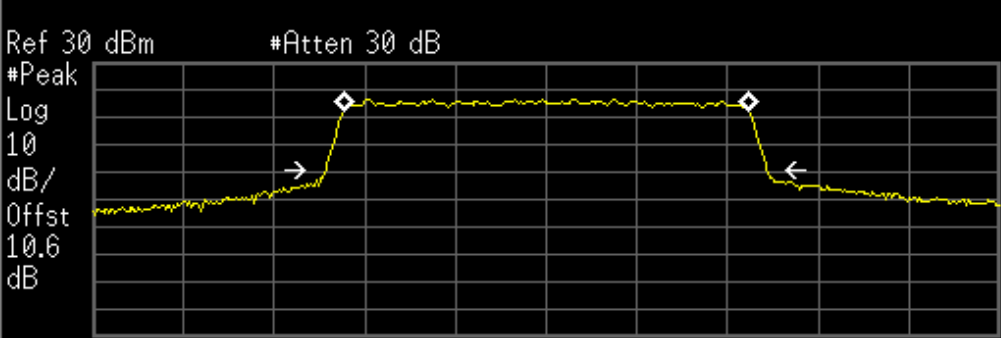
17.10. LTE Occupied Bandwidth(NTNV)(Subtest:10, Channel:40620, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)

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	8.96	9.77	10	Pass

Agilent
Freq/Channel

Ch Freq 2.593 GHz Trig Free

Occupied Bandwidth Averages: 2



Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.6 dB

Center 2.593 00 GHz Span 20 MHz

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

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

8.9564 MHz

Transmit Freq Error -5.836 kHz

x dB Bandwidth 9.766 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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17.11. 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	8.99	10.46	10	Pass

Agilent
Freq/Channel

Ch Freq 2.685 GHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Center Freq
2.68500000 GHz

Start Freq
2.67500000 GHz

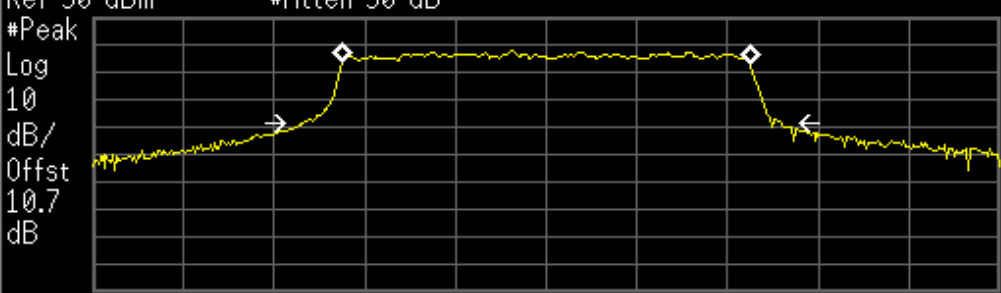
Stop Freq
2.69500000 GHz

CF Step
2.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Ref 30 dBm #Atten 30 dB



Center 2.685 00 GHz Span 20 MHz

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

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

8.9947 MHz **x dB** -26.00 dB

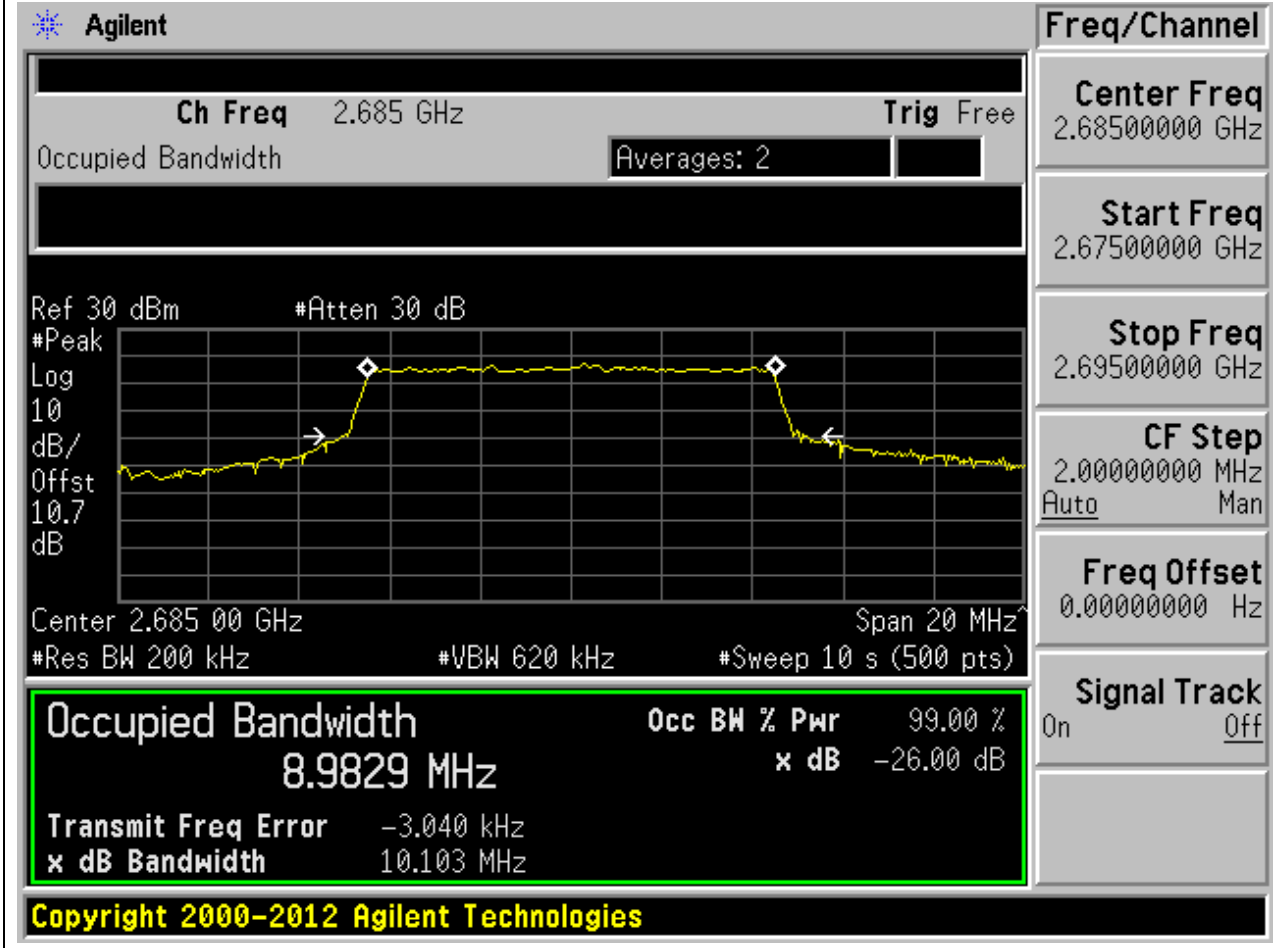
Transmit Freq Error -6.774 kHz

x dB Bandwidth 10.458 MHz

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17.12. LTE Occupied Bandwidth(NTNV)(Subtest:12, Channel:41540, 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
2685	99	26	0.2	Peak	8.98	10.1	10	Pass



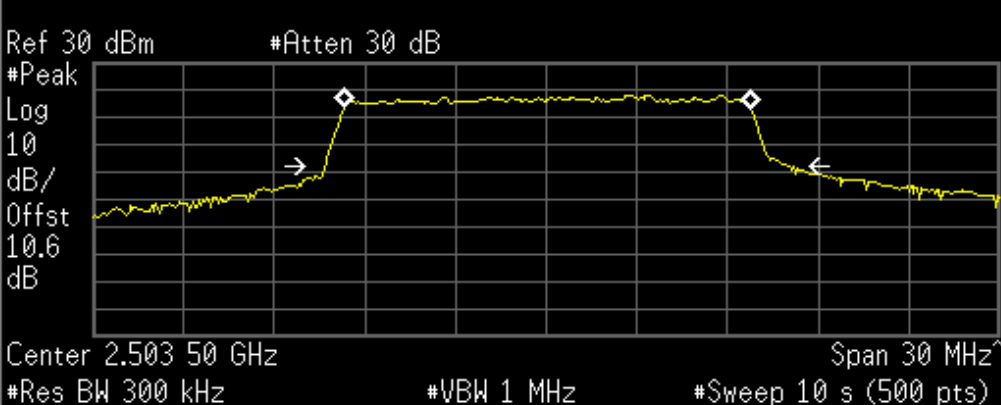
17.13. LTE Occupied Bandwidth(NTNV)(Subtest:13, Channel:39725, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)

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	13.48	15.35	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

Occupied Bandwidth

13.4848 MHz

Transmit Freq Error 32.413 kHz

x dB Bandwidth 15.352 MHz

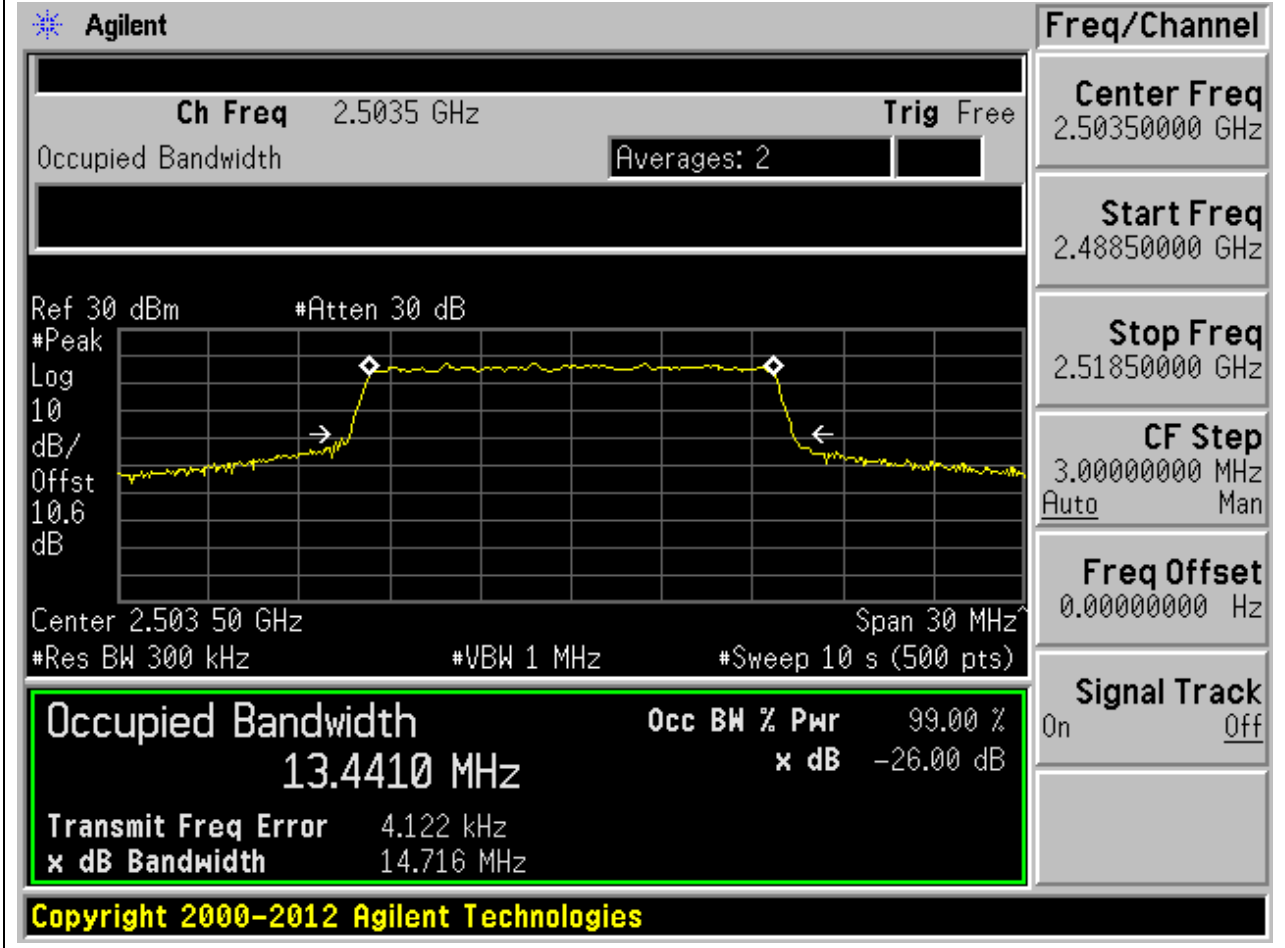
Occ BW % Pwr 99.00 %

x dB -26.00 dB

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17.14. 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	13.44	14.72	15	Pass



17.15. LTE Occupied Bandwidth(NTNV)(Subtest:15, Channel:40620, 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
2593	99	26	0.3	Peak	13.45	15.17	15	Pass

Agilent
Freq/Channel

Ch Freq 2.593 GHz Trig Free

Occupied Bandwidth Averages: 2

Center Freq 2.59300000 GHz

Start Freq 2.57800000 GHz

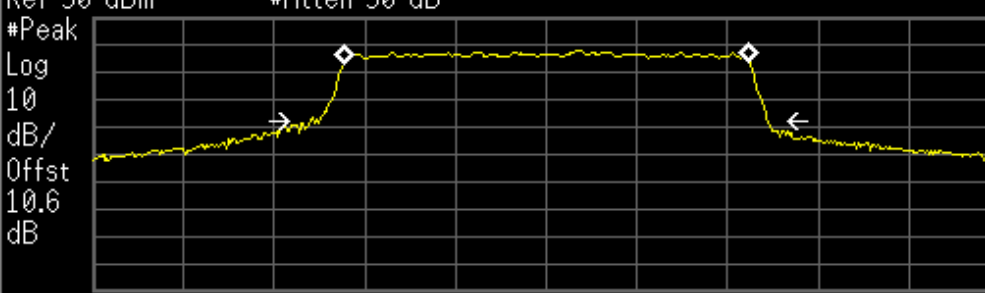
Stop Freq 2.60800000 GHz

CF Step 3.00000000 MHz
Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

Ref 30 dBm #Atten 30 dB



Center 2.593 00 GHz Span 30 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
13.4464 MHz	x dB -26.00 dB
Transmit Freq Error -3.155 kHz	
x dB Bandwidth 15.167 MHz	

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17.16. LTE Occupied Bandwidth(NTNV)(Subtest:16, Channel:40620, 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
2593	99	26	0.3	Peak	13.51	15.59	15	Pass

Agilent
Freq/Channel

Ch Freq 2.593 GHz
Trig Free

Occupied Bandwidth Averages: 2

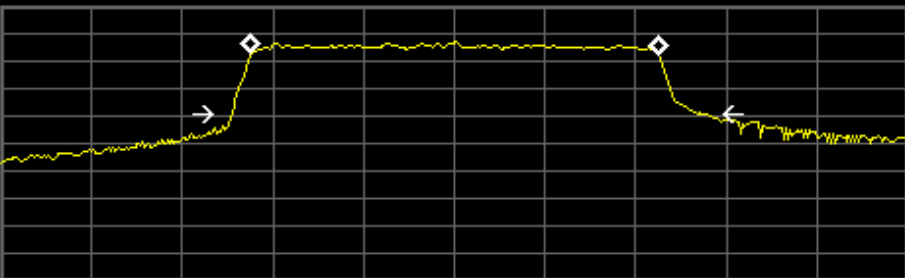
Ref 30 dBm #Atten 30 dB

#Peak

Log

10 dB/

Offst 10.6 dB



Center 2.593 00 GHz Span 30 MHz

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

Center Freq 2.59300000 GHz

Start Freq 2.57800000 GHz

Stop Freq 2.60800000 GHz

CF Step 3.00000000 MHz

Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

Occupied Bandwidth	Occ BW % Pwr 99.00 %
13.5063 MHz	x dB -26.00 dB
Transmit Freq Error 12.163 kHz	
x dB Bandwidth 15.591 MHz	

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17.17. 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	13.43	15.68	15	Pass

Agilent
Freq/Channel

Ch Freq 2.6825 GHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Center Freq
2.68250000 GHz

Start Freq
2.66750000 GHz

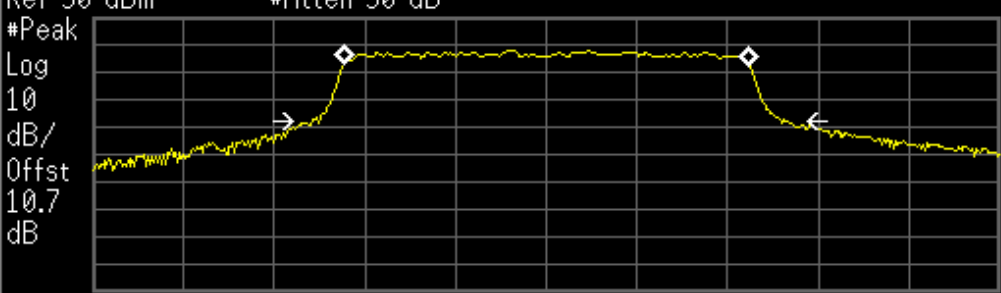
Stop Freq
2.69750000 GHz

CF Step
3.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Ref 30 dBm #Atten 30 dB



Center 2.682 50 GHz Span 30 MHz

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

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

13.4267 MHz **x dB** -26.00 dB

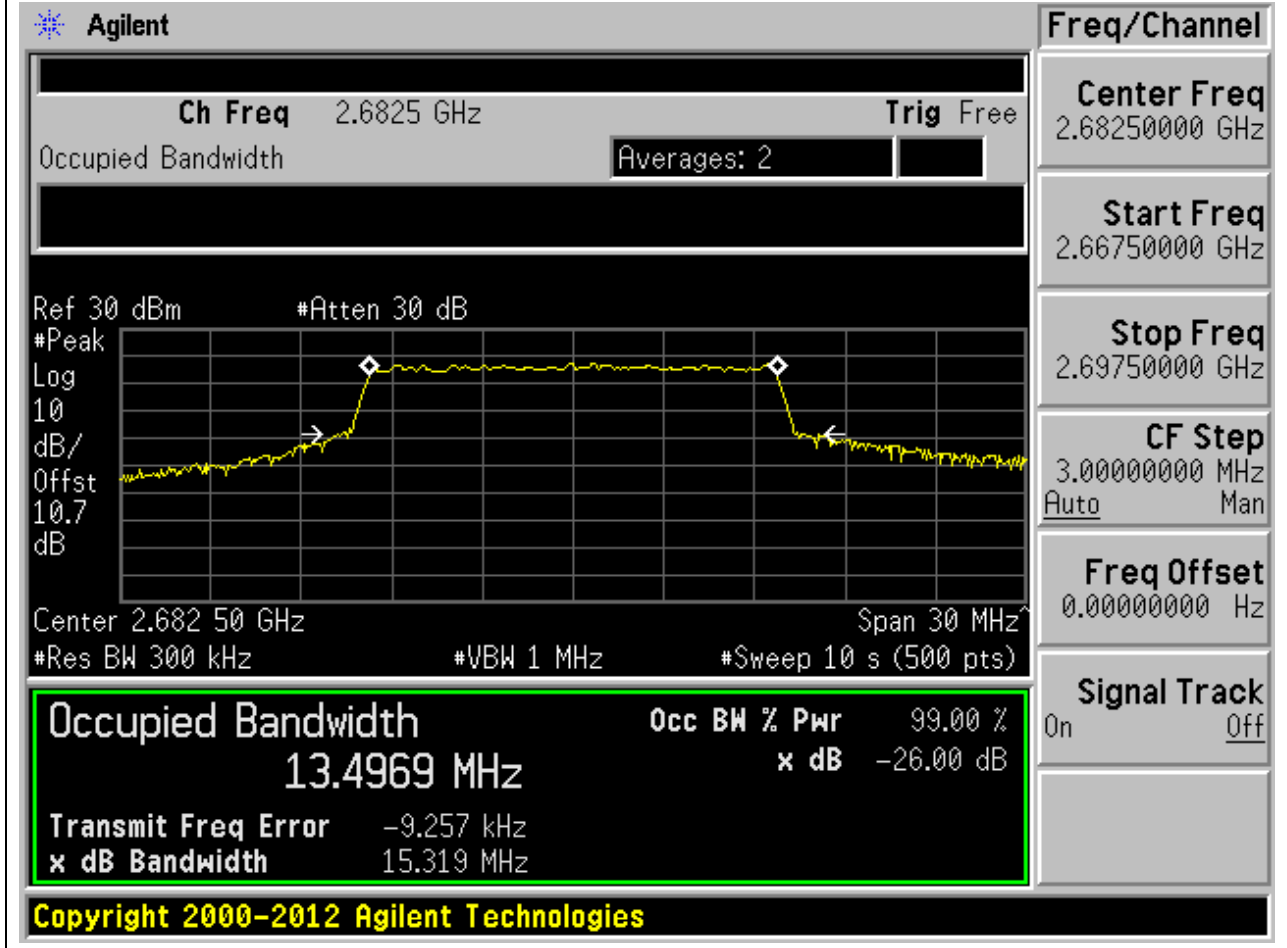
Transmit Freq Error 3.929 kHz

x dB Bandwidth 15.676 MHz

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17.18. LTE Occupied Bandwidth(NTNV)(Subtest:18, Channel:41515, 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
2682.5	99	26	0.3	Peak	13.5	15.32	15	Pass



17.19. LTE Occupied Bandwidth(NTNV)(Subtest:19, Channel:39750, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)

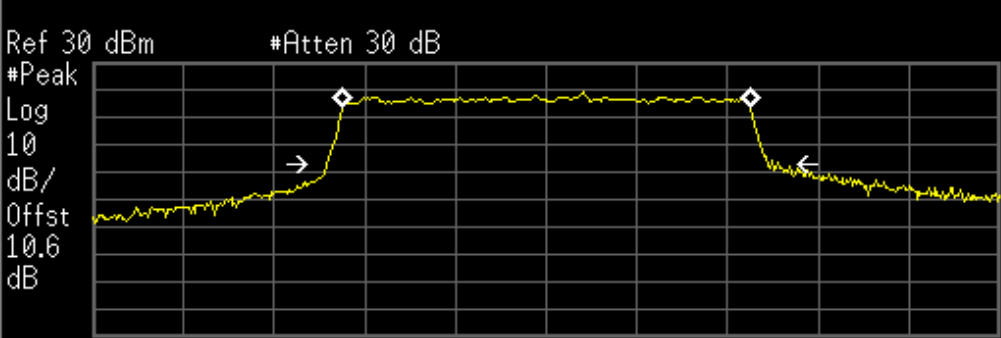
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2506	99	26	0.39	Peak	17.94	19.64	20	Pass

Agilent
Freq/Channel

Ch Freq 2.506 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB



Center 2.506 00 GHz Span 40 MHz

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

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
17.9388 MHz	x dB -26.00 dB
Transmit Freq Error 13.215 kHz	
x dB Bandwidth 19.643 MHz	

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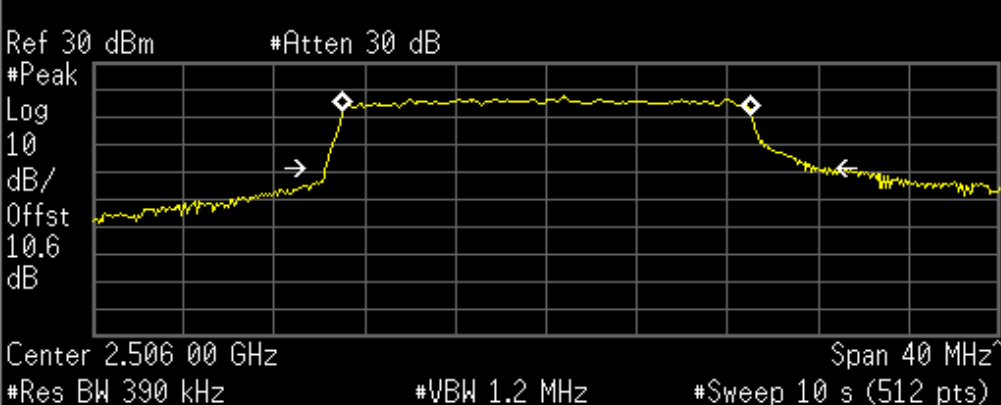
17.20. LTE Occupied Bandwidth(NTNV)(Subtest:20, Channel:39750, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)

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	17.97	21.6	20	Pass

Agilent
Freq/Channel

Ch Freq 2.506 GHz Trig Free

Occupied Bandwidth Averages: 2



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

Occupied Bandwidth
17.9722 MHz

Transmit Freq Error 51.581 kHz
x dB Bandwidth 21.605 MHz

Occ BW % Pwr 99.00 %
x dB -26.00 dB

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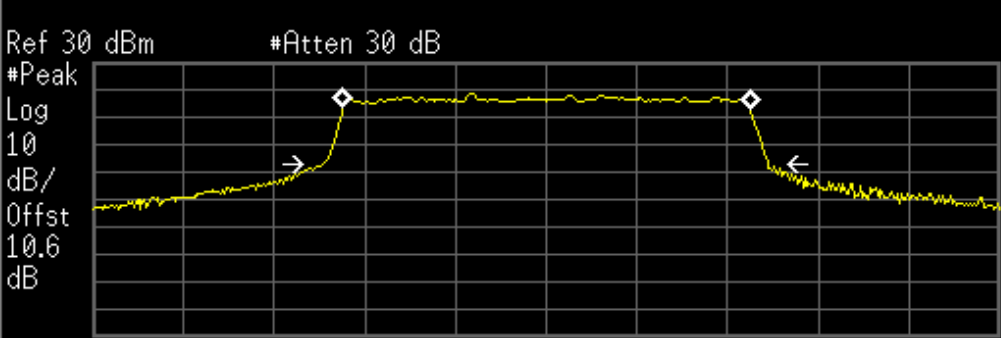
17.21. LTE Occupied Bandwidth(NTNV)(Subtest:21, Channel:40620, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)

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	17.89	19.66	20	Pass

Agilent
Freq/Channel

Ch Freq 2.593 GHz Trig Free

Occupied Bandwidth Averages: 2



Center 2.593 00 GHz Span 40 MHz

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

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
17.8920 MHz	x dB -26.00 dB
Transmit Freq Error 12.447 kHz	
x dB Bandwidth 19.655 MHz	

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17.22. 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	17.92	19.84	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

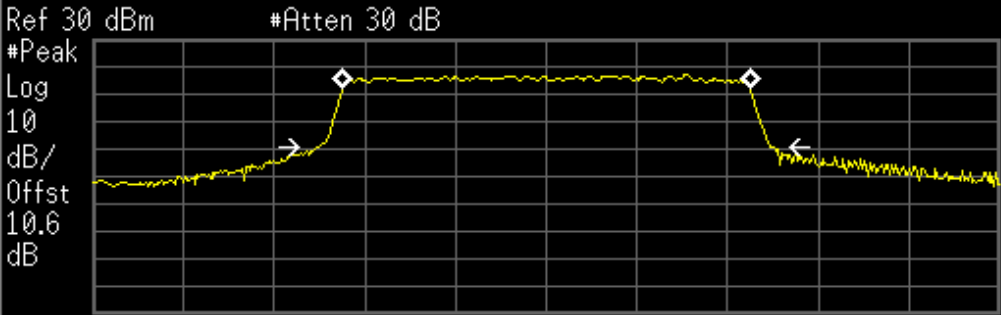
Stop Freq
2.61300000 GHz

CF Step
4.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Ref 30 dBm #Atten 30 dB



Center 2.593 00 GHz Span 40 MHz

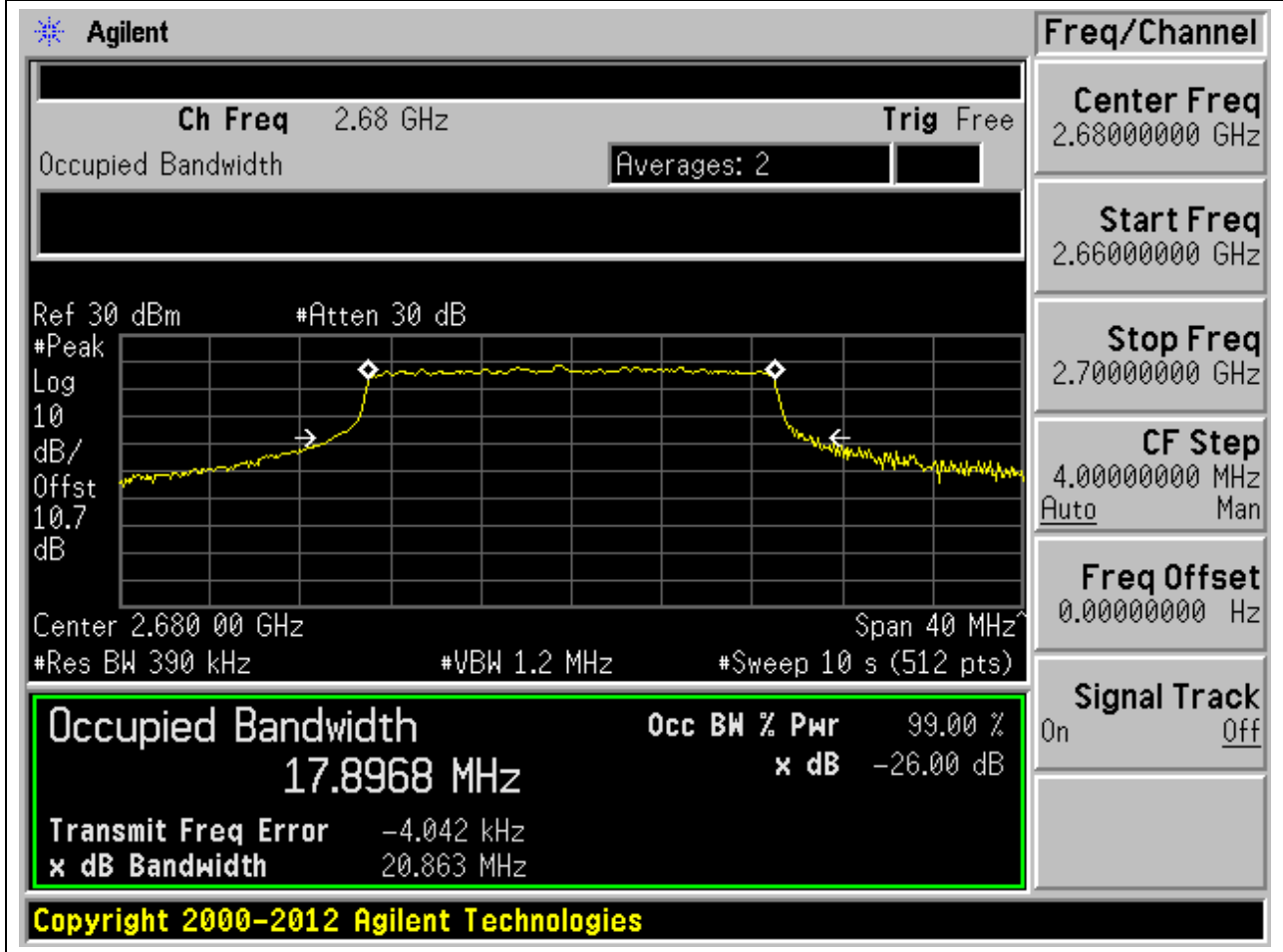
#Res BW 390 kHz #VBW 1.2 MHz #Sweep 10 s (512 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
17.9212 MHz	x dB -26.00 dB
Transmit Freq Error -4.233 kHz	
x dB Bandwidth 19.844 MHz	

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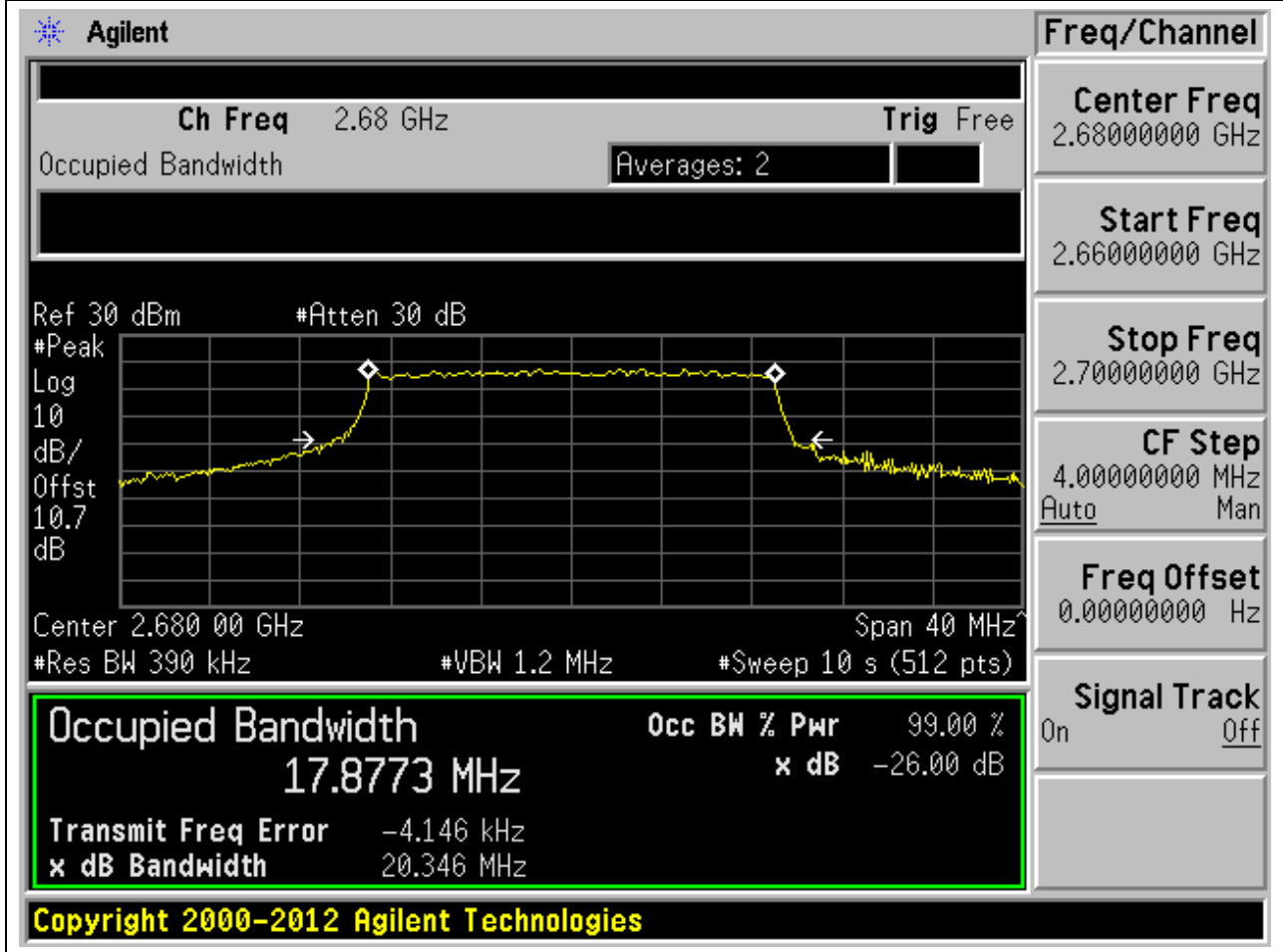
17.23. LTE Occupied Bandwidth(NTNV)(Subtest:23, Channel:41490, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)

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	17.9	20.86	20	Pass



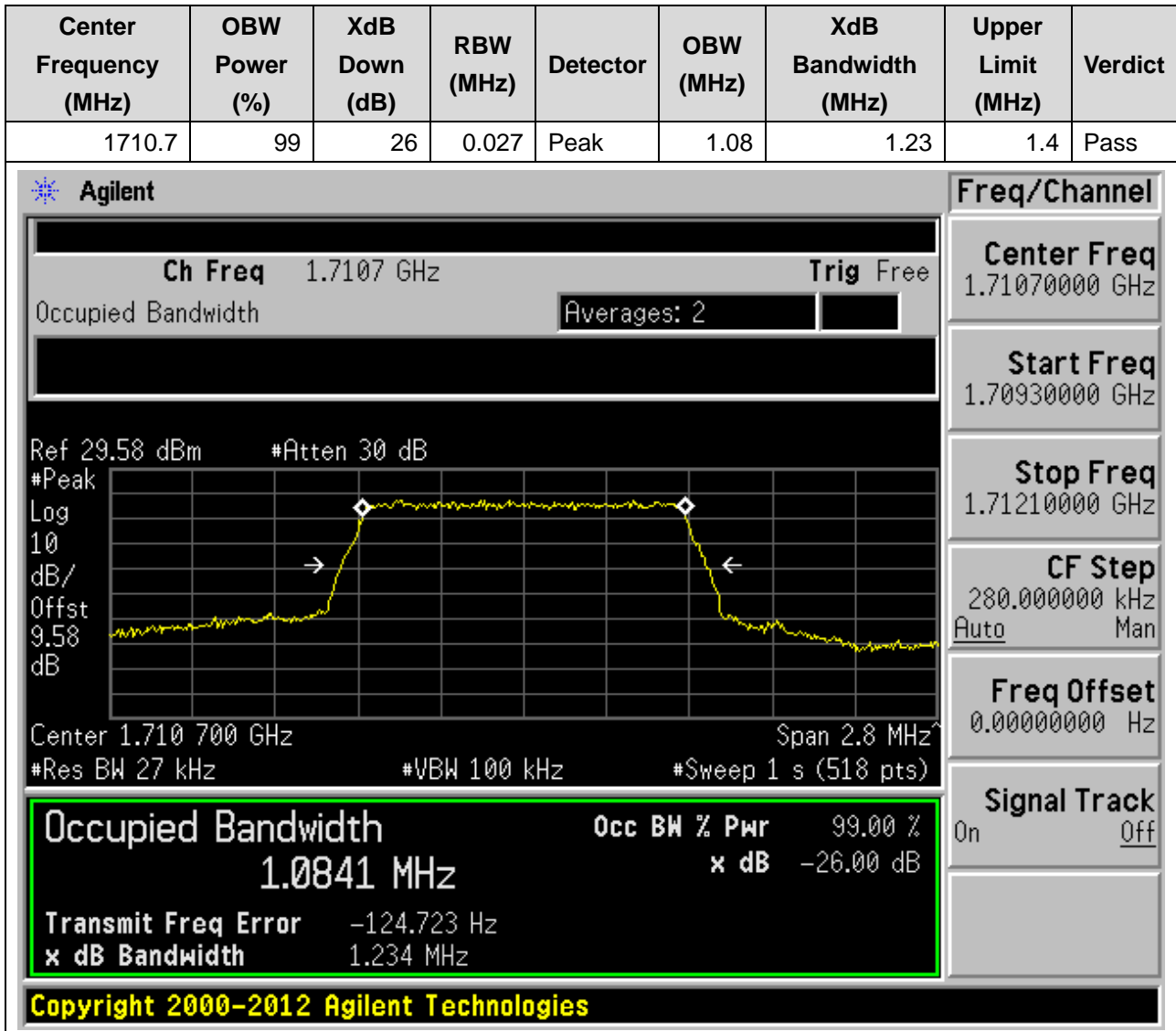
17.24. LTE Occupied Bandwidth(NTNV)(Subtest:24, Channel:41490, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)

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	17.88	20.35	20	Pass



18. LTE_Band66

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



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

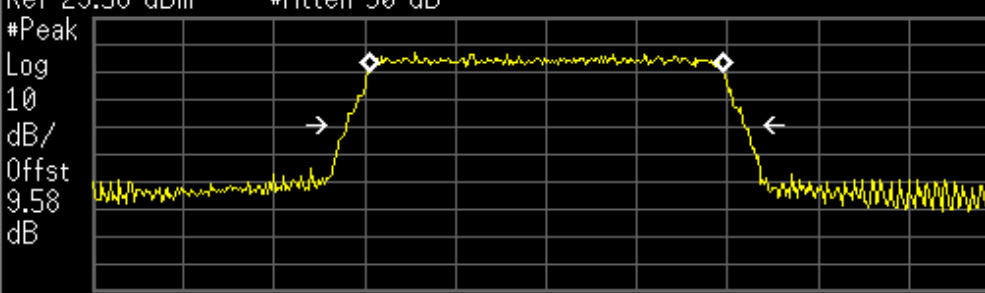
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1710.7	99	26	0.027	Peak	1.09	1.22	1.4	Pass

Agilent
Freq/Channel

Ch Freq 1.7107 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.58 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)

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

1.0895 MHz

Transmit Freq Error -1.720 kHz

x dB Bandwidth 1.224 MHz

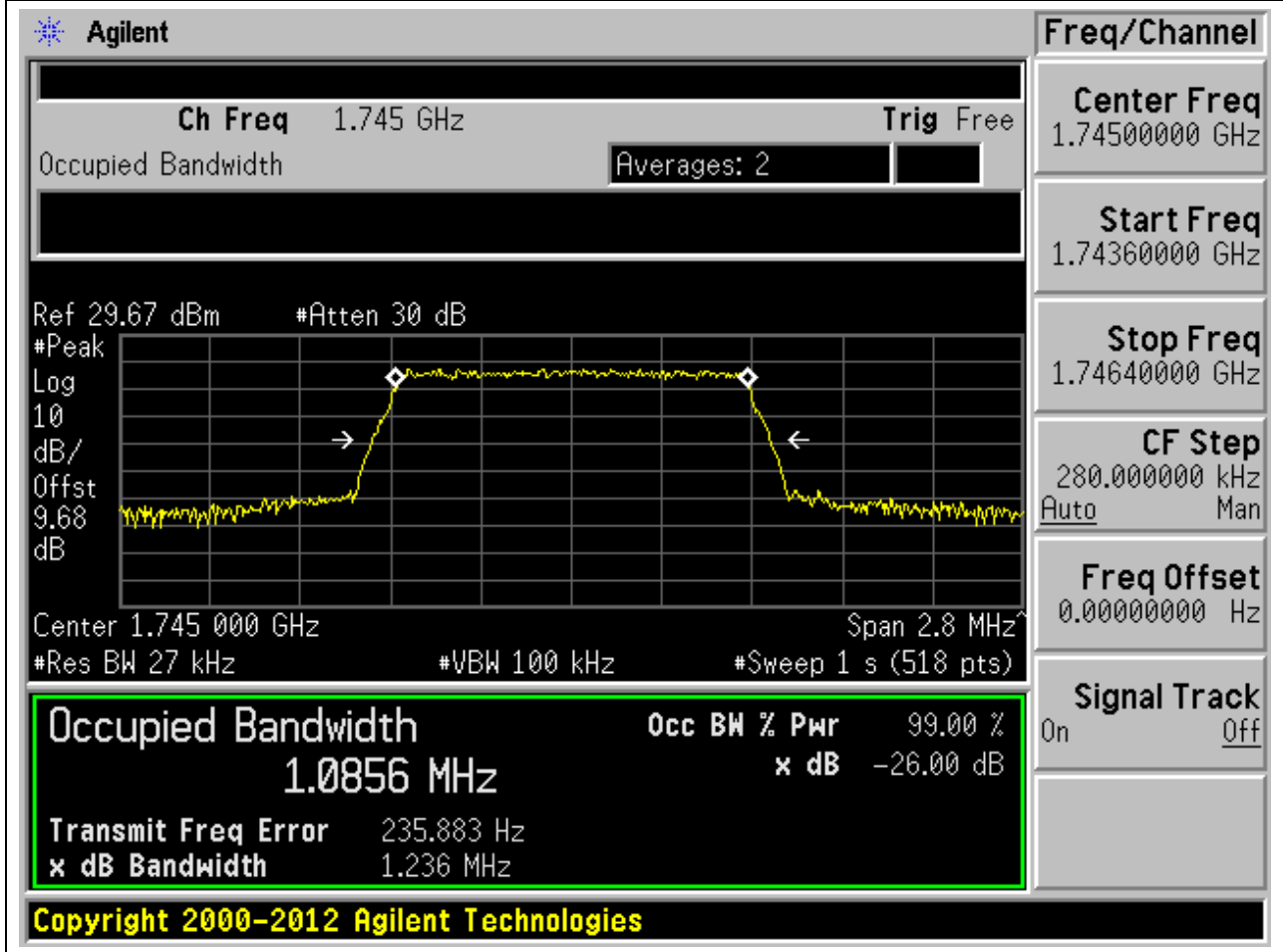
Occ BW % Pwr 99.00 %

x dB -26.00 dB

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18.3. 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	1.09	1.24	1.4	Pass



18.4. 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	1.08	1.23	1.4	Pass

Agilent
Freq/Channel

Ch Freq 1.745 GHz Trig Free

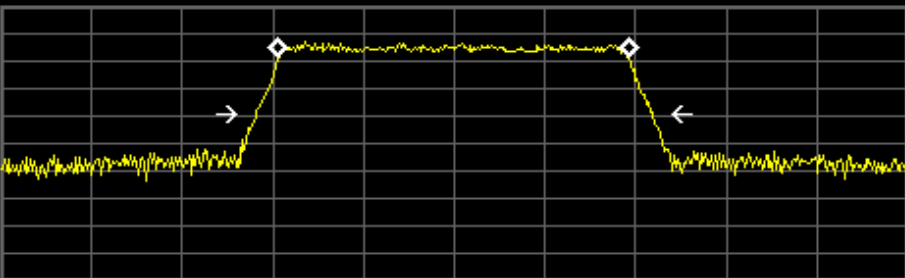
Occupied Bandwidth Averages: 2

Ref 29.67 dBm #Atten 30 dB

#Peak

Log 10

dB/ Offst 9.68 dB



Center 1.745 000 GHz Span 2.8 MHz

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

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

1.0812 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -1.475 kHz

x dB Bandwidth 1.225 MHz

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

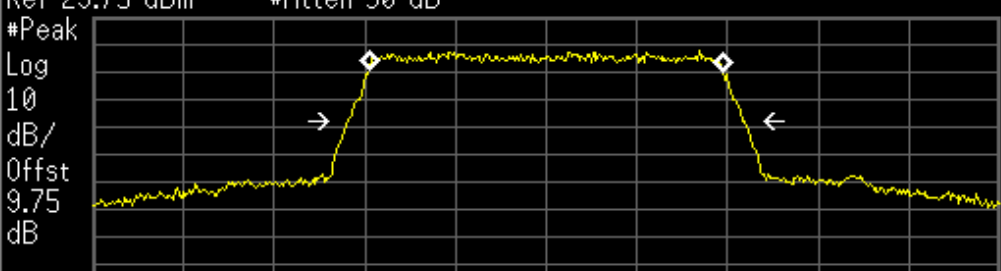
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1779.3	99	26	0.027	Peak	1.09	1.23	1.4	Pass

Agilent
Freq/Channel

Ch Freq 1.7793 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.75 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)

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

Occupied Bandwidth

1.0877 MHz

Transmit Freq Error -1.445 kHz

x dB Bandwidth 1.232 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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

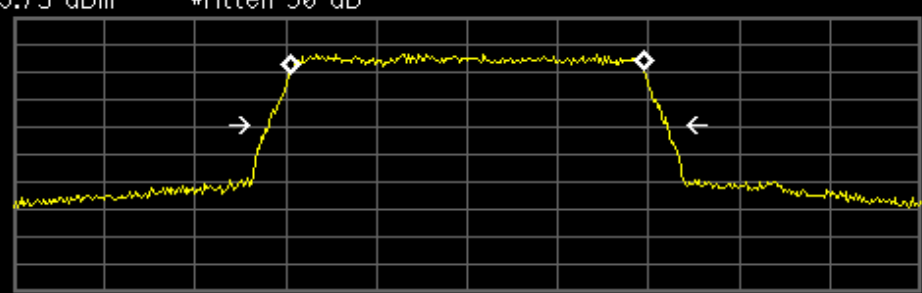
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1779.3	99	26	0.027	Peak	1.09	1.23	1.4	Pass

Agilent
Freq/Channel

Ch Freq 1.7793 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.75 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)

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

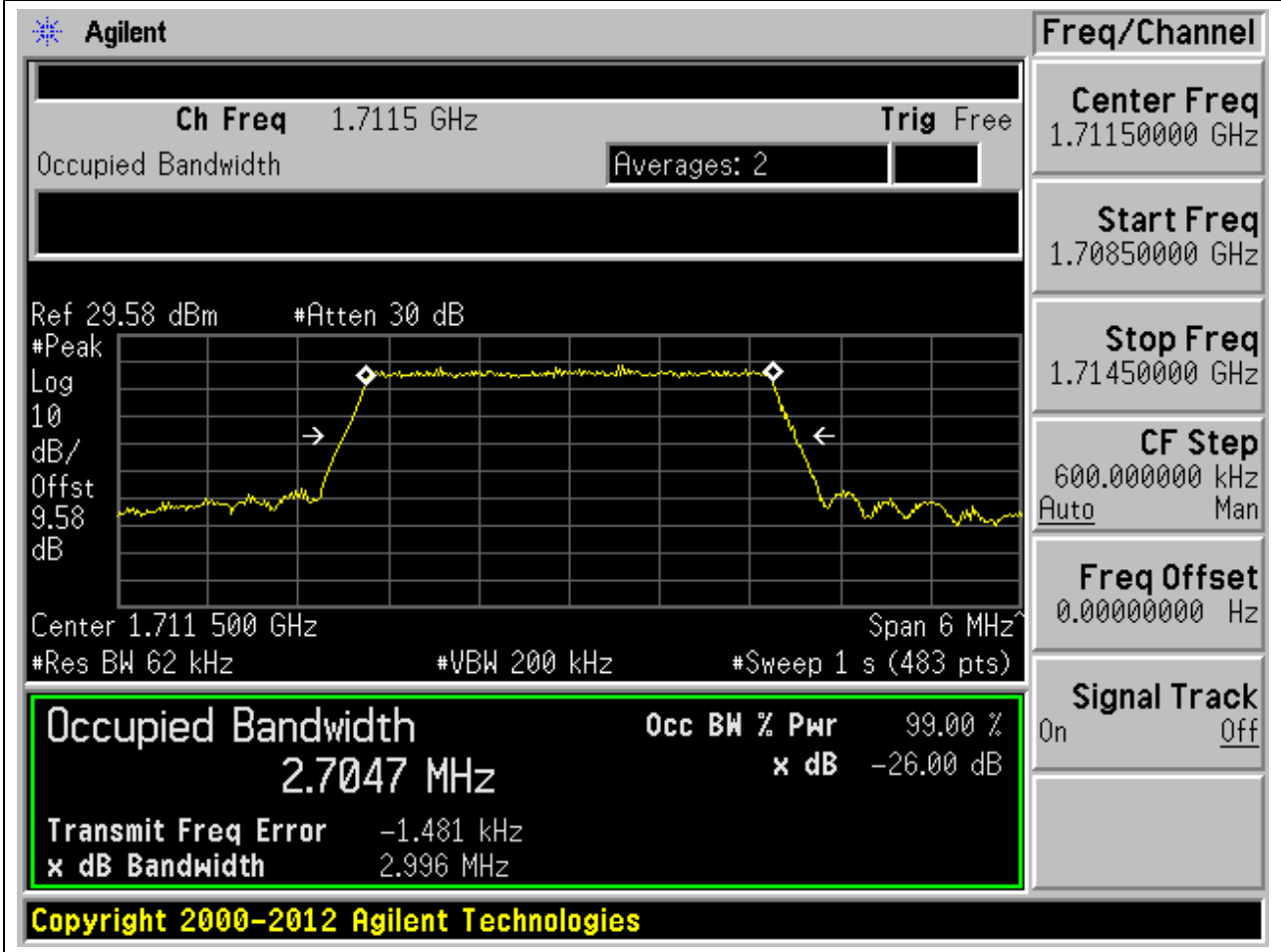
Signal Track
On Off

Occupied Bandwidth	Occ BW % Pwr 99.00 %
1.0866 MHz	x dB -26.00 dB
Transmit Freq Error -506.522 Hz	
x dB Bandwidth 1.235 MHz	

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18.7. 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	2.7	3	3	Pass



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

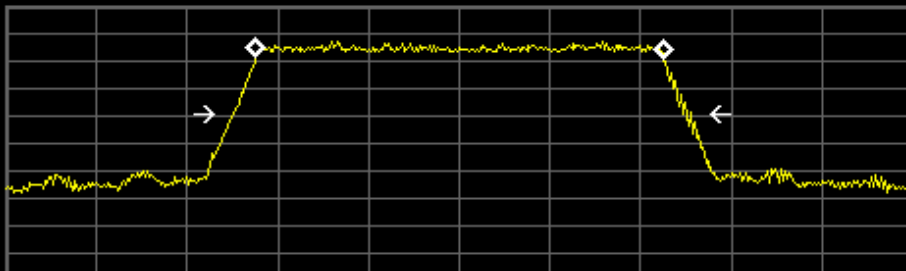
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1711.5	99	26	0.062	Peak	2.7	3.01	3	Pass

Agilent
Freq/Channel

Ch Freq 1.7115 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.58 dBm #Atten 30 dB



Center 1.711 500 GHz Span 6 MHz

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

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

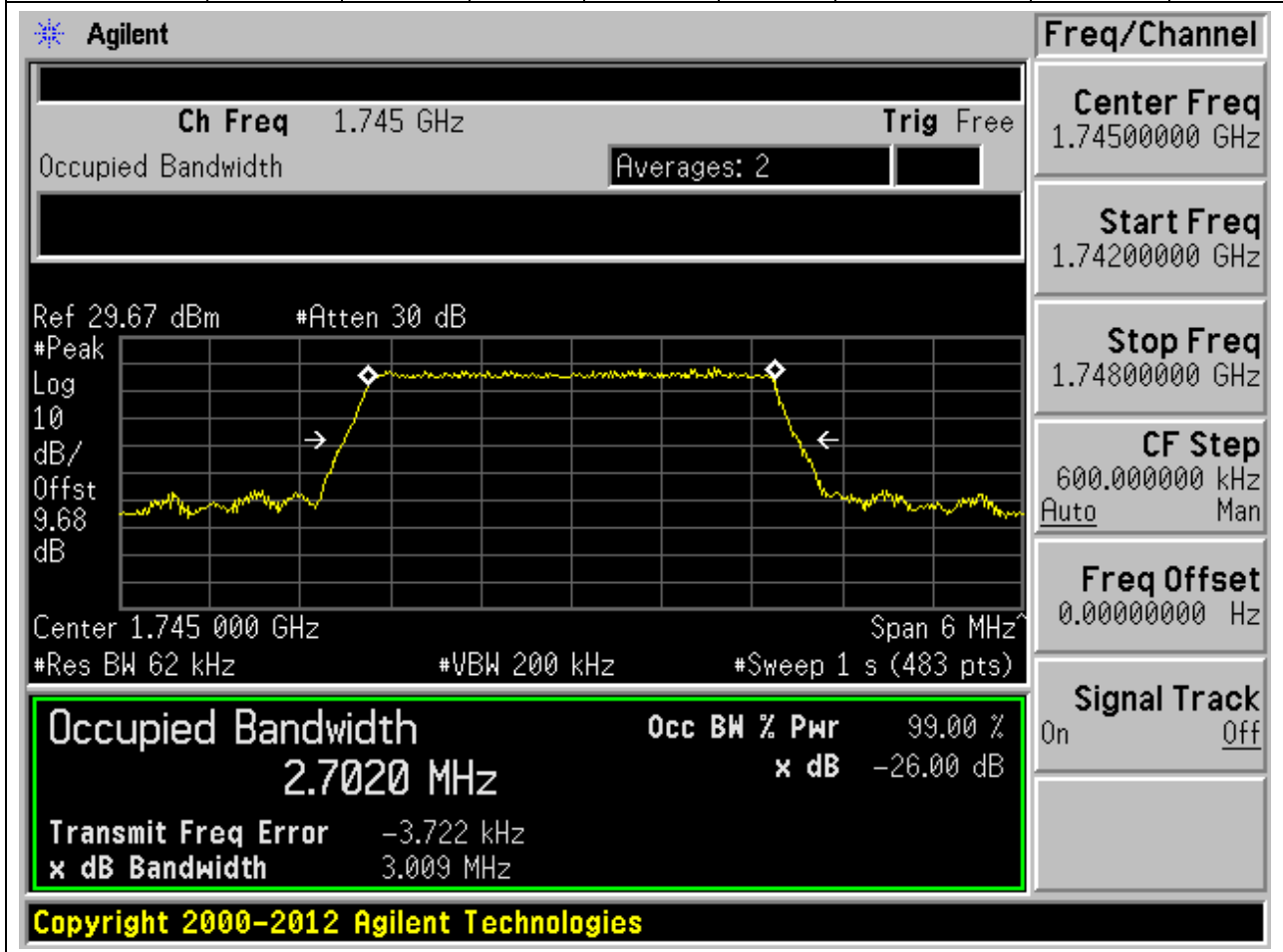
Signal Track
On Off

Occupied Bandwidth	Occ BW % Pwr	99.00 %				
2.6979 MHz	x dB	-26.00 dB				
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Transmit Freq Error</td> <td>421.340 Hz</td> </tr> <tr> <td>x dB Bandwidth</td> <td>3.012 MHz</td> </tr> </table>			Transmit Freq Error	421.340 Hz	x dB Bandwidth	3.012 MHz
Transmit Freq Error	421.340 Hz					
x dB Bandwidth	3.012 MHz					

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18.9. 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	2.7	3.01	3	Pass



18.10. 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	2.7	3.01	3	Pass

Agilent
Freq/Channel

Ch Freq 1.745 GHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Center Freq
1.74500000 GHz

Start Freq
1.74200000 GHz

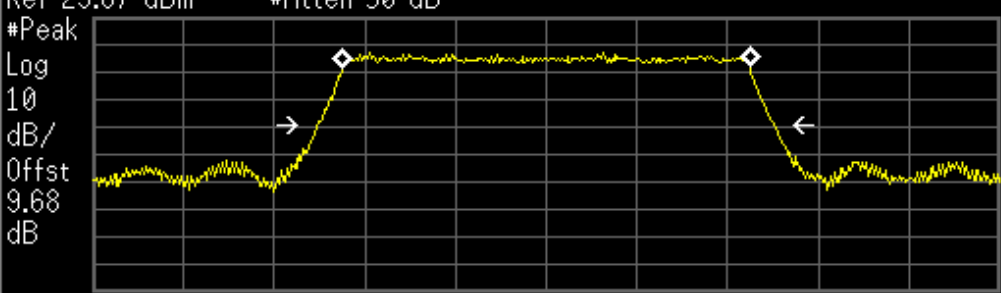
Stop Freq
1.74800000 GHz

CF Step
600.000000 kHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Ref 29.67 dBm #Atten 30 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 %
2.6987 MHz	x dB -26.00 dB
Transmit Freq Error -3.575 kHz	
x dB Bandwidth 3.014 MHz	

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

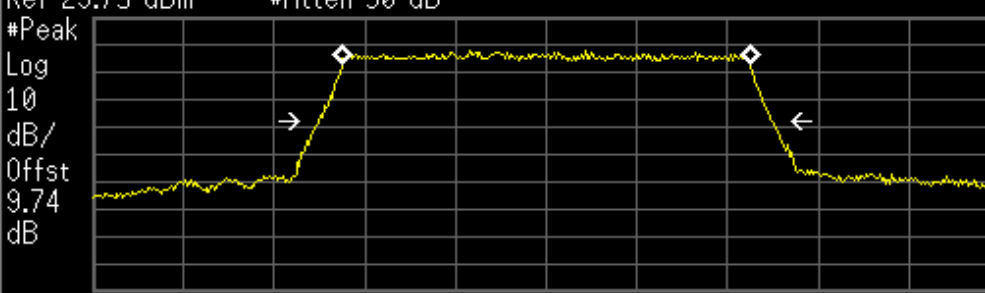
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1778.5	99	26	0.062	Peak	2.7	3.01	3	Pass

Agilent
Freq/Channel

Ch Freq 1.7785 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.75 dBm #Atten 30 dB



Center 1.778 500 GHz Span 6 MHz

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

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 %
2.7033 MHz	x dB -26.00 dB
Transmit Freq Error -1.604 kHz	
x dB Bandwidth 3.008 MHz	

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18.12. 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	2.7	3	3	Pass

Agilent
Freq/Channel

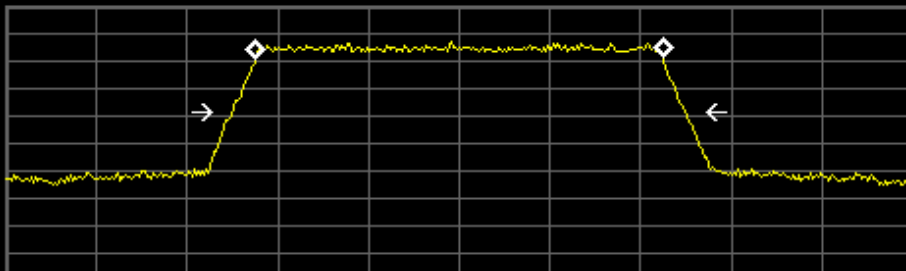
Ch Freq 1.7785 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.75 dBm #Atten 30 dB

#Peak

Log 10 dB/ Offst 9.74 dB



Center 1.778 500 GHz Span 6 MHz

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

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 %
2.6963 MHz	x dB	-26.00 dB
Transmit Freq Error	-3.381 kHz	
x dB Bandwidth	3.002 MHz	

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18.13. 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	4.51	4.95	5	Pass

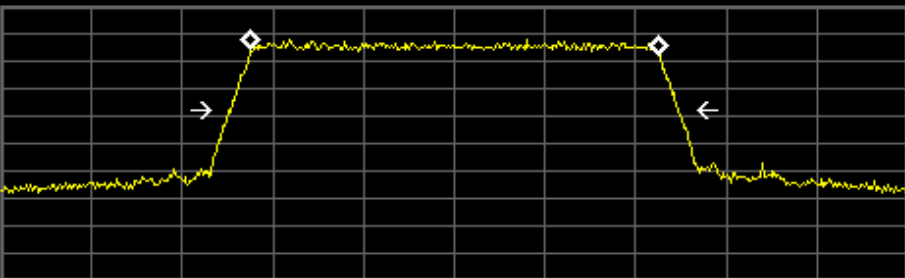
Agilent
Freq/Channel

Ch Freq 1.7125 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.59 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 9.59 dB



Center 1.712 500 GHz Span 10 MHz

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

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 %
4.5074 MHz	x dB	-26.00 dB
Transmit Freq Error	602.003 Hz	
x dB Bandwidth	4.945 MHz	

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18.14. 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	4.49	4.98	5	Pass

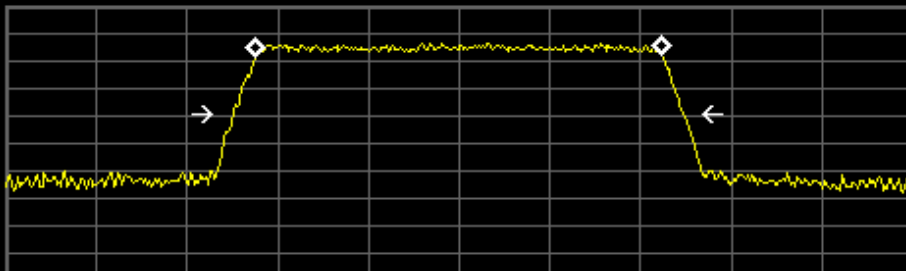
Agilent
Freq/Channel

Ch Freq 1.7125 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.59 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 9.59 dB



Center 1.712 500 GHz Span 10 MHz

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

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 %
4.4920 MHz	x dB -26.00 dB
Transmit Freq Error -1.222 kHz	
x dB Bandwidth 4.976 MHz	

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

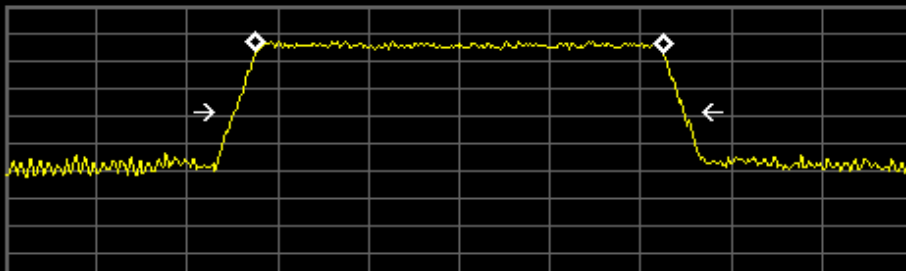
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.1	Peak	4.5	4.97	5	Pass

Agilent
Freq/Channel

Ch Freq 1.745 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.67 dBm #Atten 30 dB



Center 1.745 000 GHz Span 10 MHz

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

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

4.4994 MHz

Transmit Freq Error -1.707 kHz

x dB Bandwidth 4.975 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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

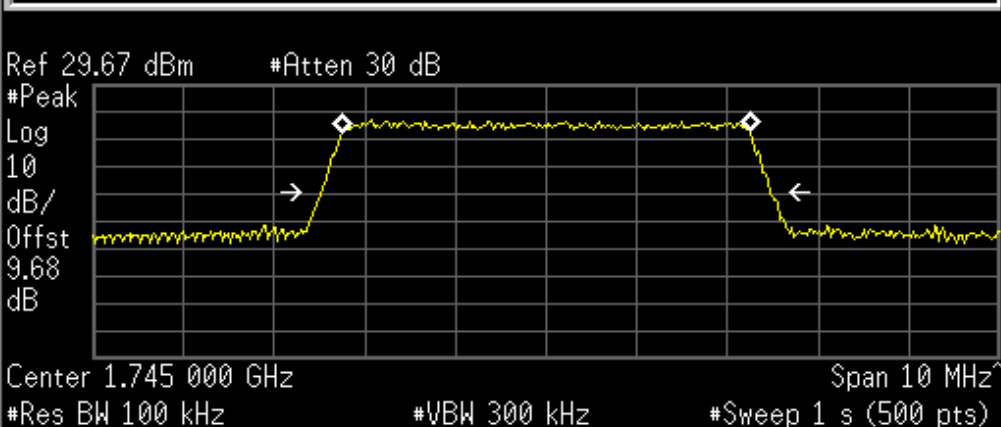
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.1	Peak	4.5	4.96	5	Pass

Agilent
Freq/Channel

Ch Freq 1.745 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.67 dBm #Atten 30 dB



Center 1.745 000 GHz Span 10 MHz

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

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

4.5050 MHz

Transmit Freq Error -6.420 kHz

x dB Bandwidth 4.962 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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18.17. 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	4.49	4.97	5	Pass

Agilent
Freq/Channel

Ch Freq 1.7775 GHz **Trig** Free

Occupied Bandwidth Averages: 2

Ref 29.74 dBm #Atten 30 dB

#Peak

Log

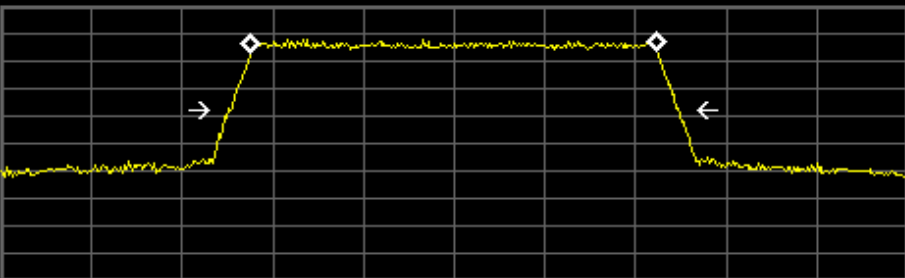
10

dB/

Offst

9.74

dB



Center 1.777 500 GHz Span 10 MHz

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

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

4.4886 MHz

Transmit Freq Error -2.387 kHz

x dB Bandwidth 4.968 MHz

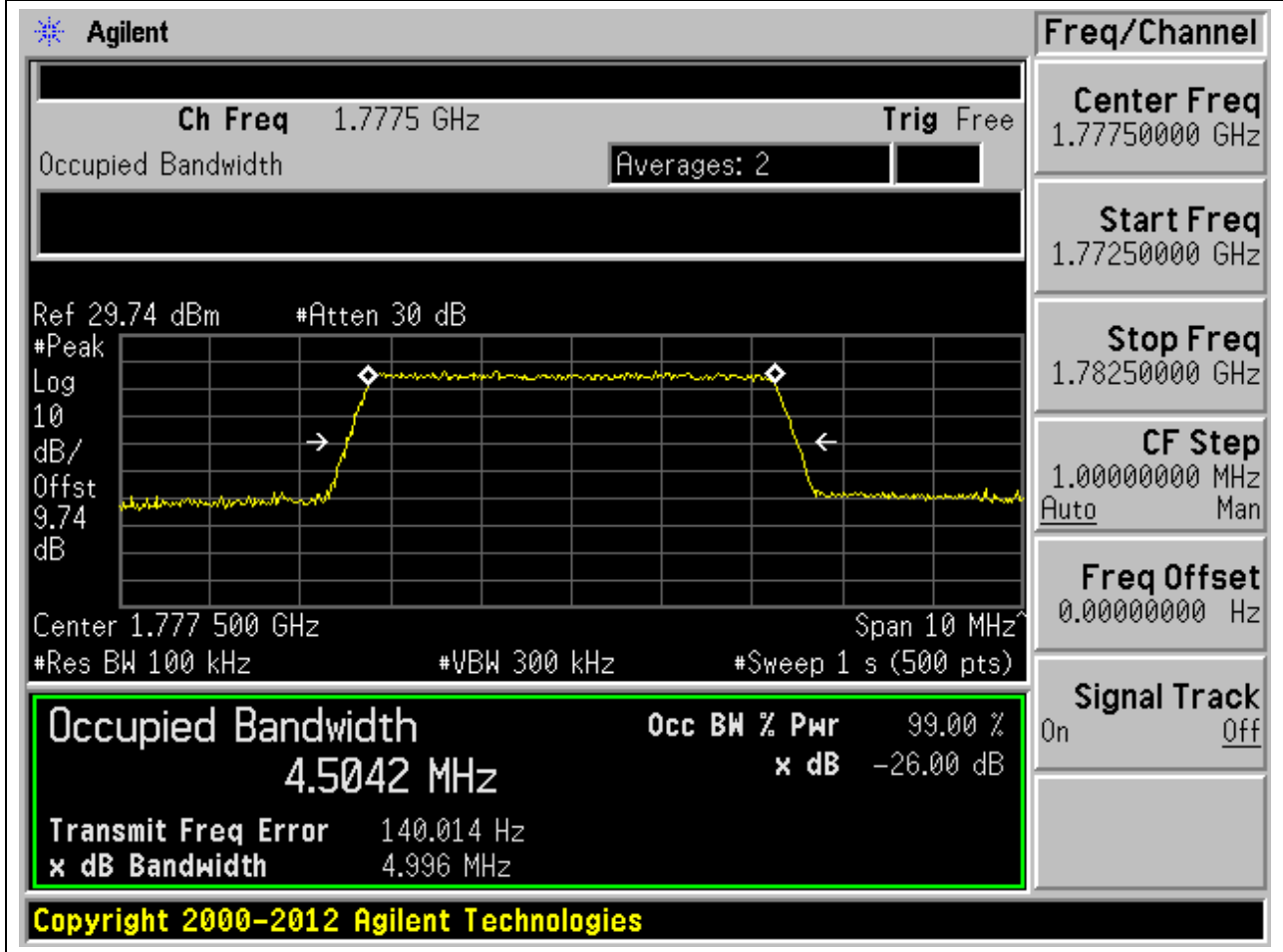
Occ BW % Pwr 99.00 %

x dB -26.00 dB

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18.18. LTE Occupied Bandwidth(NTNV)(Subtest:18, Channel:132647, 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
1777.5	99	26	0.1	Peak	4.5	5	5	Pass



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

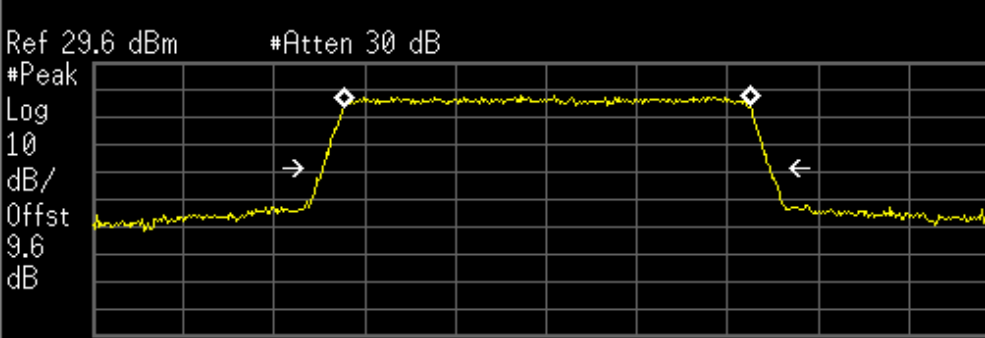
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1715	99	26	0.2	Peak	8.99	9.9	10	Pass

Agilent
Freq/Channel

Ch Freq 1.715 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.6 dBm #Atten 30 dB



Center 1.715 00 GHz Span 20 MHz

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

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 %

8.9868 MHz x dB -26.00 dB

Transmit Freq Error 6.801 kHz

x dB Bandwidth 9.896 MHz

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

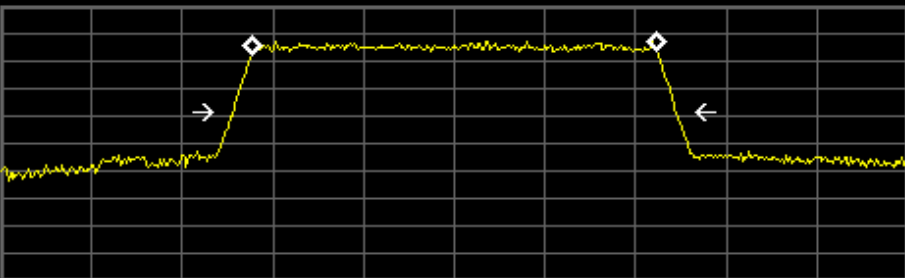
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1715	99	26	0.2	Peak	8.95	9.82	10	Pass

Agilent
Freq/Channel

Ch Freq 1.715 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.6 dBm #Atten 30 dB



Center 1.715 00 GHz Span 20 MHz

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

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 %
8.9526 MHz	x dB -26.00 dB
Transmit Freq Error -647.663 Hz	
x dB Bandwidth 9.819 MHz	

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18.21. 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	8.95	9.77	10	Pass

Agilent
Freq/Channel

Ch Freq 1.745 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.67 dBm #Atten 30 dB

#Peak

Log

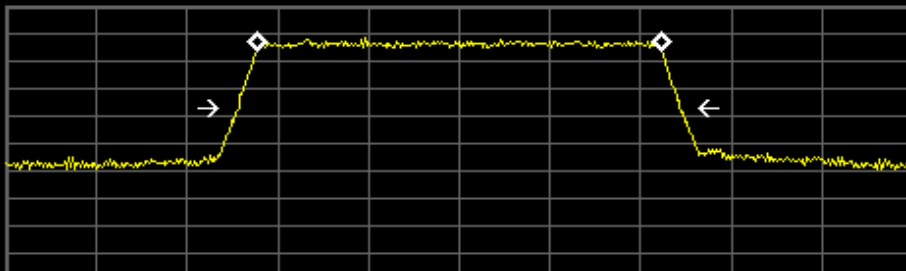
10

dB/

Offst

9.68

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 %
8.9481 MHz	x dB -26.00 dB
Transmit Freq Error -5.973 kHz	
x dB Bandwidth 9.774 MHz	

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

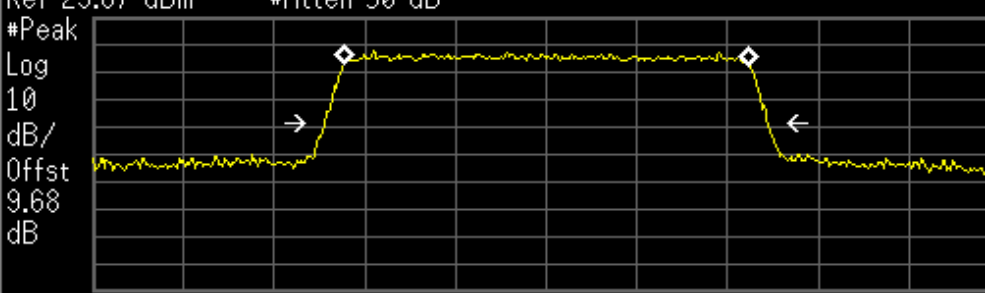
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.2	Peak	8.96	9.79	10	Pass

Agilent
Freq/Channel

Ch Freq 1.745 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.67 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 %
8.9607 MHz	x dB -26.00 dB
Transmit Freq Error 1.302 kHz	
x dB Bandwidth 9.793 MHz	

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18.23. 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	8.97	9.83	10	Pass

Agilent
Freq/Channel

Ch Freq 1.775 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.73 dBm #Atten 30 dB

#Peak

Log

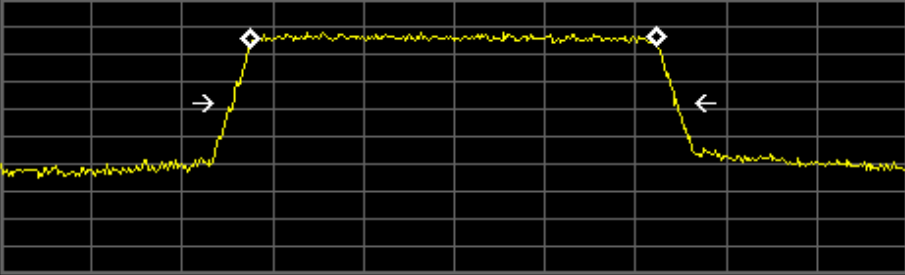
10

dB/

Offst

9.73

dB



Center 1.775 00 GHz Span 20 MHz

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

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 %
8.9666 MHz	x dB -26.00 dB
Transmit Freq Error -12.110 kHz	
x dB Bandwidth 9.827 MHz	

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

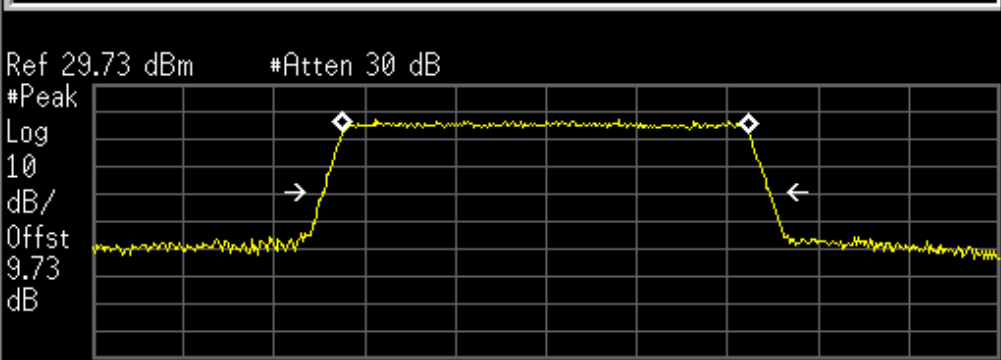
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1775	99	26	0.2	Peak	8.96	9.83	10	Pass

Agilent
Freq/Channel

Ch Freq 1.775 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.73 dBm #Atten 30 dB



Center 1.775 00 GHz Span 20 MHz

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

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

8.9566 MHz

Transmit Freq Error -15.861 kHz

x dB Bandwidth 9.828 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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18.25. 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	13.45	14.79	15	Pass

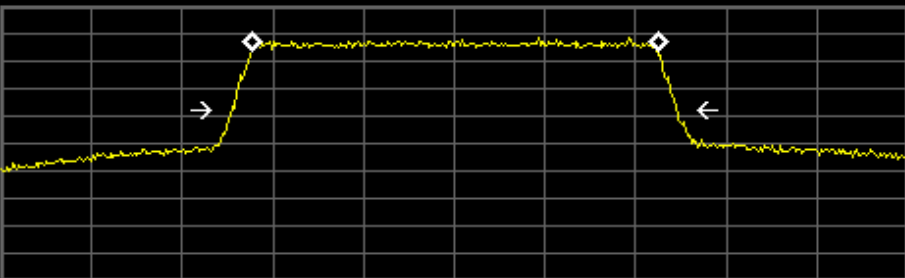
Agilent
Freq/Channel

Ch Freq 1.7175 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.61 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 9.61 dB



Center 1.717 50 GHz Span 30 MHz

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

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 %
13.4541 MHz	x dB -26.00 dB
Transmit Freq Error 7.745 kHz	
x dB Bandwidth 14.787 MHz	

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18.26. 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	13.43	14.71	15	Pass

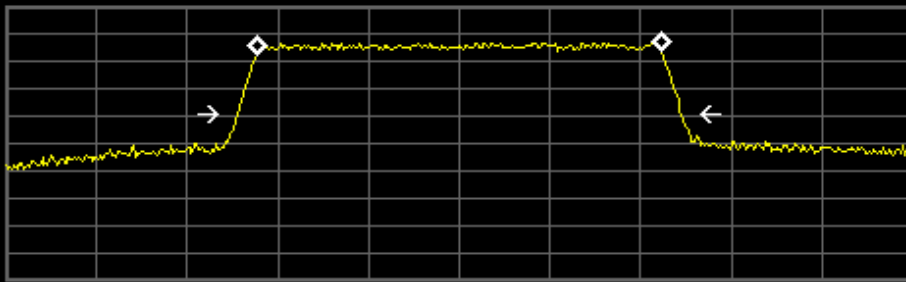
Agilent
Freq/Channel

Ch Freq 1.7175 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.61 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 9.61 dB



Center 1.717 50 GHz Span 30 MHz

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

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

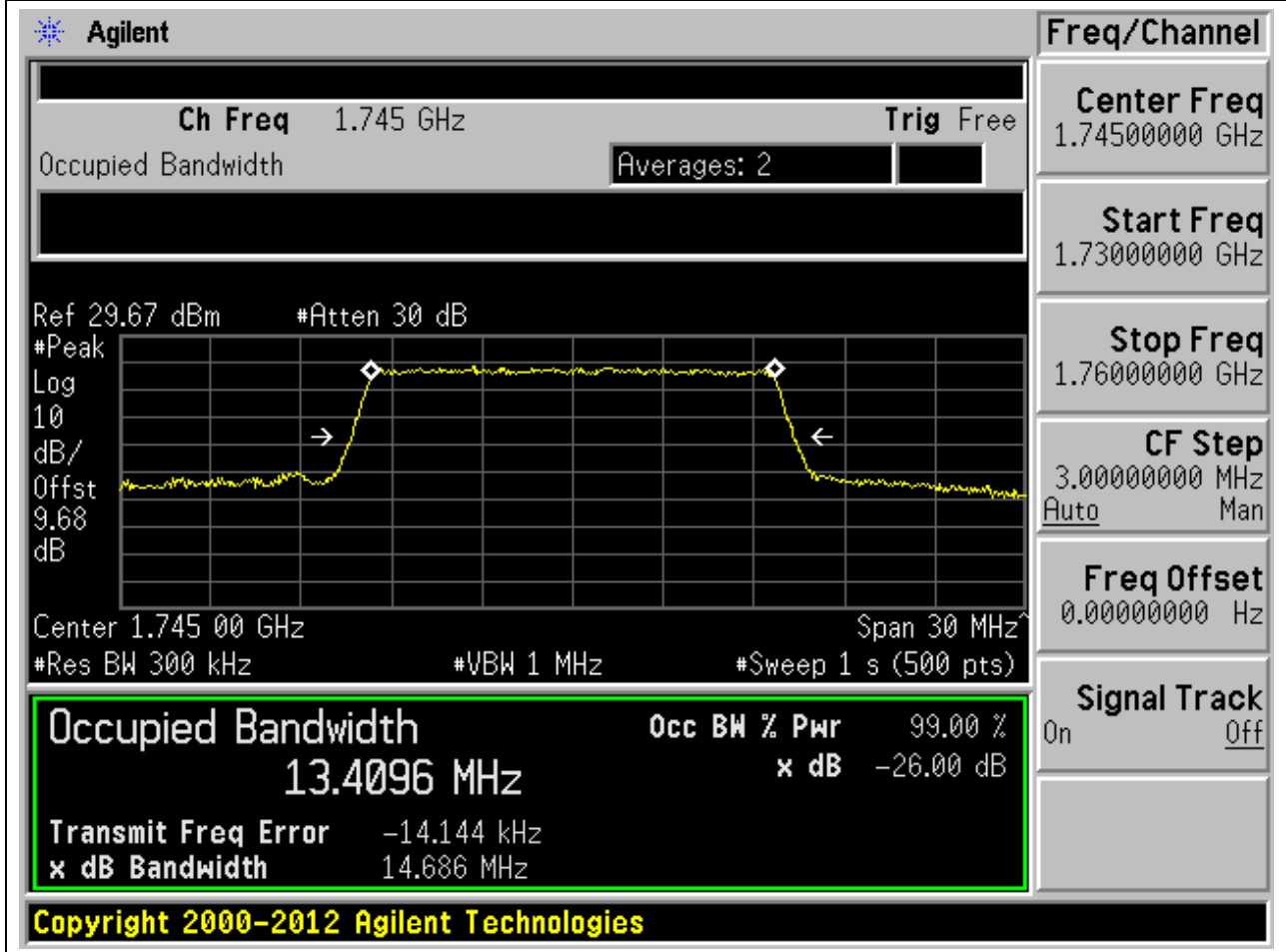
Signal Track On Off

Occupied Bandwidth	Occ BW % Pwr 99.00 %
13.4314 MHz	x dB -26.00 dB
Transmit Freq Error 1.126 kHz	
x dB Bandwidth 14.710 MHz	

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18.27. 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	13.41	14.69	15	Pass



18.28. 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	13.45	14.7	15	Pass

Agilent
Freq/Channel

Ch Freq 1.745 GHz **Trig** Free

Occupied Bandwidth Averages: 2

Center Freq
1.74500000 GHz

Start Freq
1.73000000 GHz

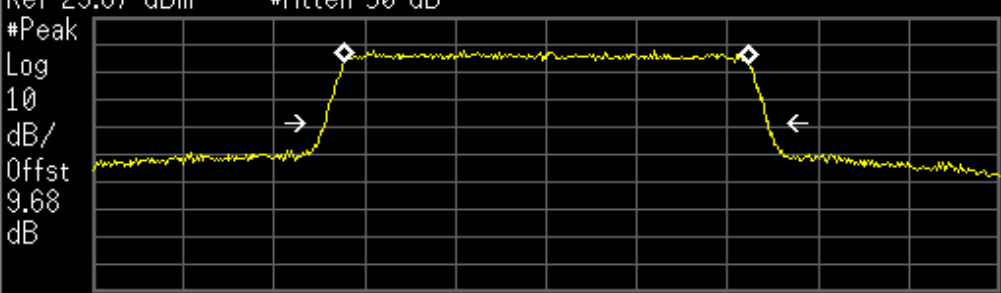
Stop Freq
1.76000000 GHz

CF Step
3.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Ref 29.67 dBm #Atten 30 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 %
13.4453 MHz	x dB -26.00 dB
Transmit Freq Error -57.578 Hz	
x dB Bandwidth 14.696 MHz	

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18.29. 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	13.42	14.71	15	Pass

Agilent
Freq/Channel

Ch Freq 1.7725 GHz **Trig** Free

Occupied Bandwidth Averages: 2

Ref 29.72 dBm #Atten 30 dB

#Peak

Log

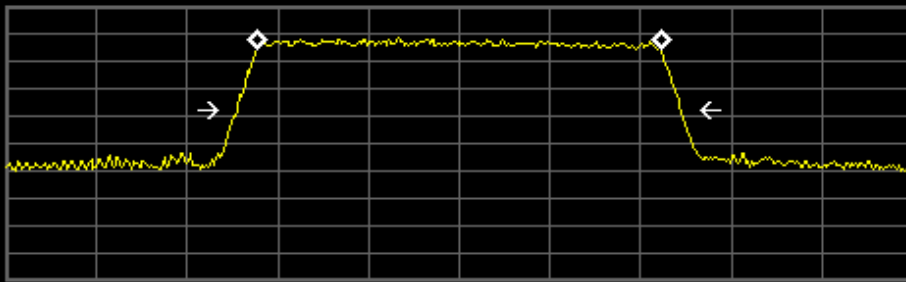
10

dB/

Offst

9.72

dB



Center 1.772 50 GHz Span 30 MHz

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

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

Occupied Bandwidth

13.4204 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -22.477 kHz

x dB Bandwidth 14.709 MHz

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18.30. 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	13.45	14.69	15	Pass

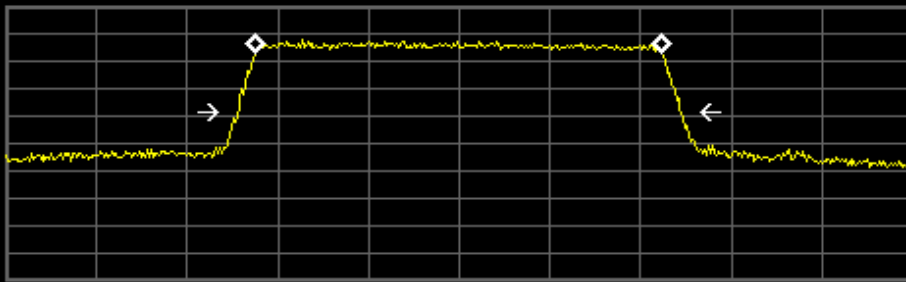
Agilent
Freq/Channel

Ch Freq 1.7725 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.72 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 9.72 dB



Center 1.772 50 GHz Span 30 MHz

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

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
13.4483 MHz	x dB -26.00 dB
Transmit Freq Error -15.994 kHz	
x dB Bandwidth 14.694 MHz	

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

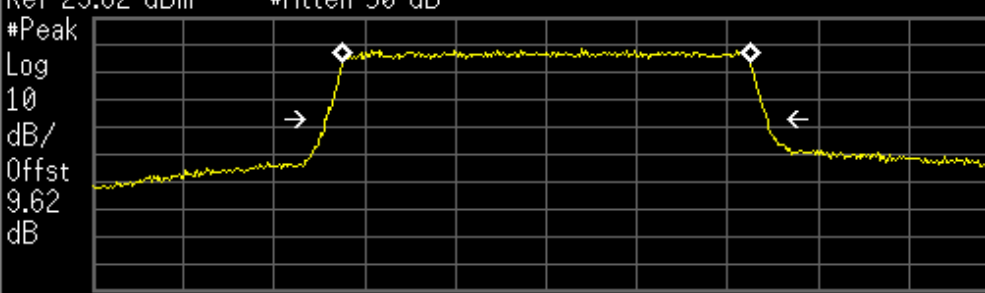
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1720	99	26	0.39	Peak	17.91	19.5	20	Pass

Agilent
Freq/Channel

Ch Freq 1.72 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.62 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)

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 %
17.9141 MHz	x dB -26.00 dB
Transmit Freq Error 21.173 kHz	
x dB Bandwidth 19.503 MHz	

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

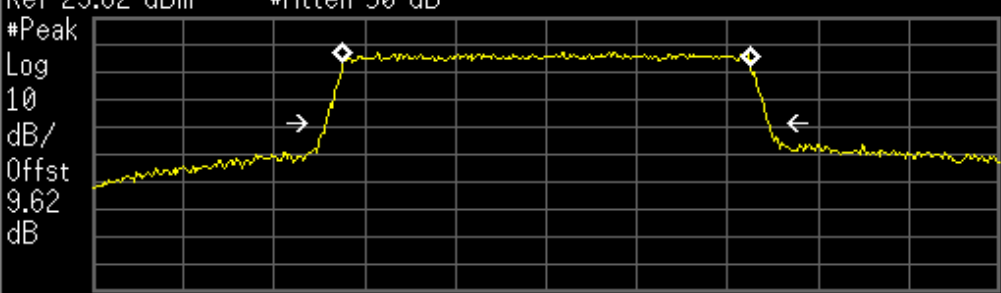
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1720	99	26	0.39	Peak	17.94	19.53	20	Pass

Agilent
Freq/Channel

Ch Freq 1.72 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.62 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)

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

17.9371 MHz

Transmit Freq Error 25.880 kHz

x dB Bandwidth 19.535 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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

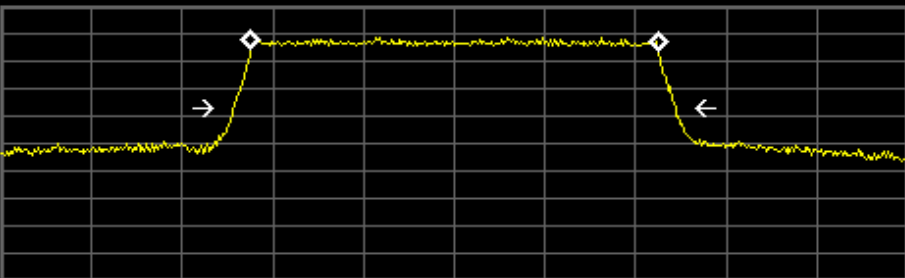
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.39	Peak	17.89	19.46	20	Pass

Agilent
Freq/Channel

Ch Freq 1.745 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.67 dBm #Atten 30 dB



Center 1.745 00 GHz Span 40 MHz

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

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 %
17.8917 MHz	x dB	-26.00 dB
Transmit Freq Error	936.573 Hz	
x dB Bandwidth	19.456 MHz	

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18.34. 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	17.92	19.49	20	Pass

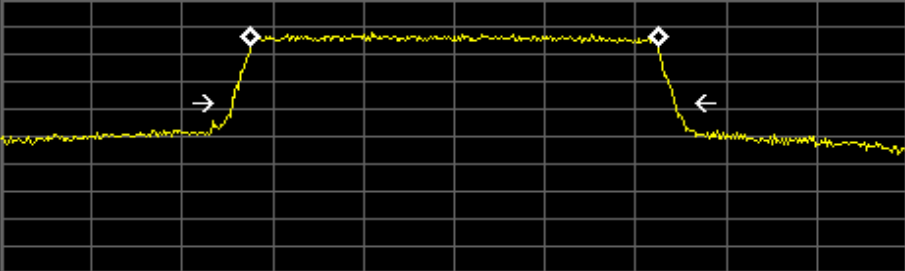
Agilent
Freq/Channel

Ch Freq 1.745 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.67 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 9.68 dB



Center 1.745 00 GHz Span 40 MHz

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

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 %
17.9175 MHz	x dB -26.00 dB
Transmit Freq Error -19.487 kHz	
x dB Bandwidth 19.491 MHz	

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

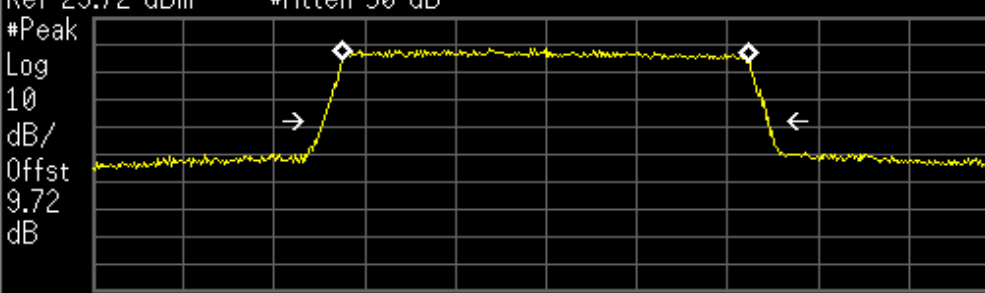
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1770	99	26	0.39	Peak	17.92	19.64	20	Pass

Agilent
Freq/Channel

Ch Freq 1.77 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.72 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)

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

Occupied Bandwidth

17.9178 MHz

Transmit Freq Error -49.190 kHz

x dB Bandwidth 19.645 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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18.36. 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	17.9	19.4	20	Pass

Agilent
Freq/Channel

Ch Freq 1.77 GHz **Trig** Free

Occupied Bandwidth Averages: 2

Center Freq
1.77000000 GHz

Start Freq
1.75000000 GHz

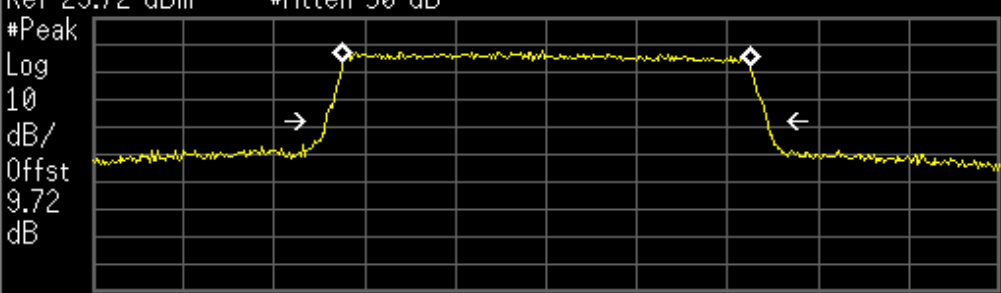
Stop Freq
1.79000000 GHz

CF Step
4.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Ref 29.72 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 %

17.8965 MHz **x dB** -26.00 dB

Transmit Freq Error -10.023 kHz

x dB Bandwidth 19.402 MHz

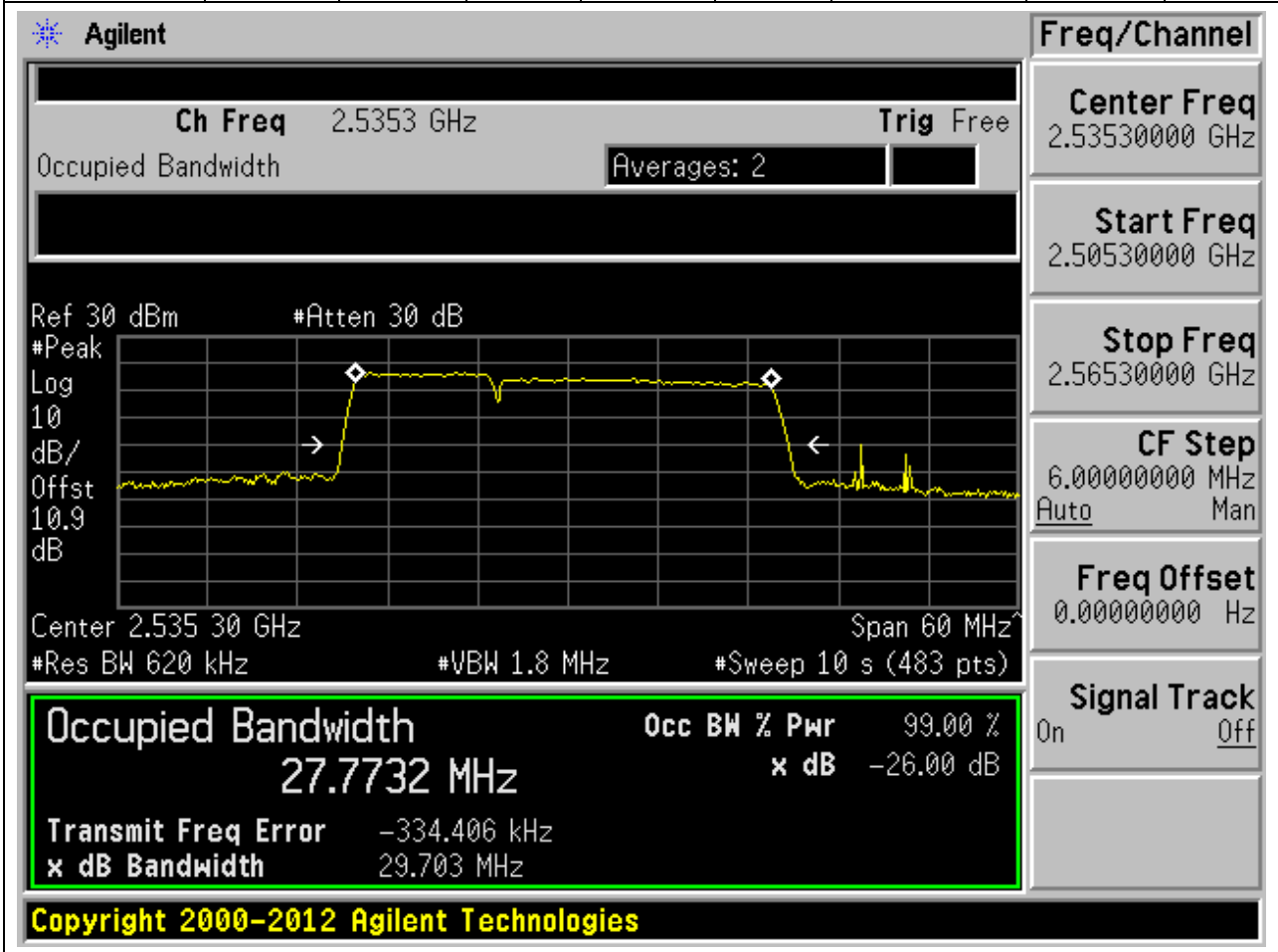
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CA

19. CA_7C

19.1. CA Occupied Bandwidth(NTNV)(Subtest:1, Channel:21006+21150, Bandwidth:10+20, Modulation:QPSK, RB Number:Full+Full, RB Position:Low+Low)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535.3	99	26	0.62	Peak	27.77	29.7	30	Pass



19.2. CA Occupied Bandwidth(NTNV)(Subtest:2, Channel:21006+21150, Bandwidth:10+20, Modulation:16QAM, RB Number:Full+Full, RB Position:Low+Low)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535.3	99	26	0.62	Peak	27.7	29.52	30	Pass

Agilent
Freq/Channel

Ch Freq 2.5353 GHz **Trig** Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak

Log

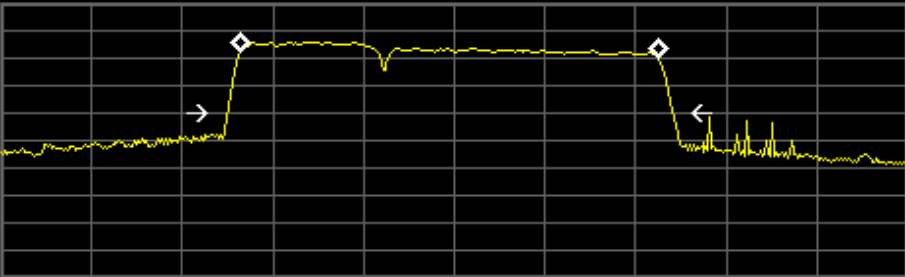
10

dB/

Offst

10.9

dB



Center 2.535 30 GHz Span 60 MHz

#Res BW 620 kHz #VBW 1.8 MHz #Sweep 10 s (483 pts)

Center Freq
2.53530000 GHz

Start Freq
2.50530000 GHz

Stop Freq
2.56530000 GHz

CF Step
6.00000000 MHz
Auto Man

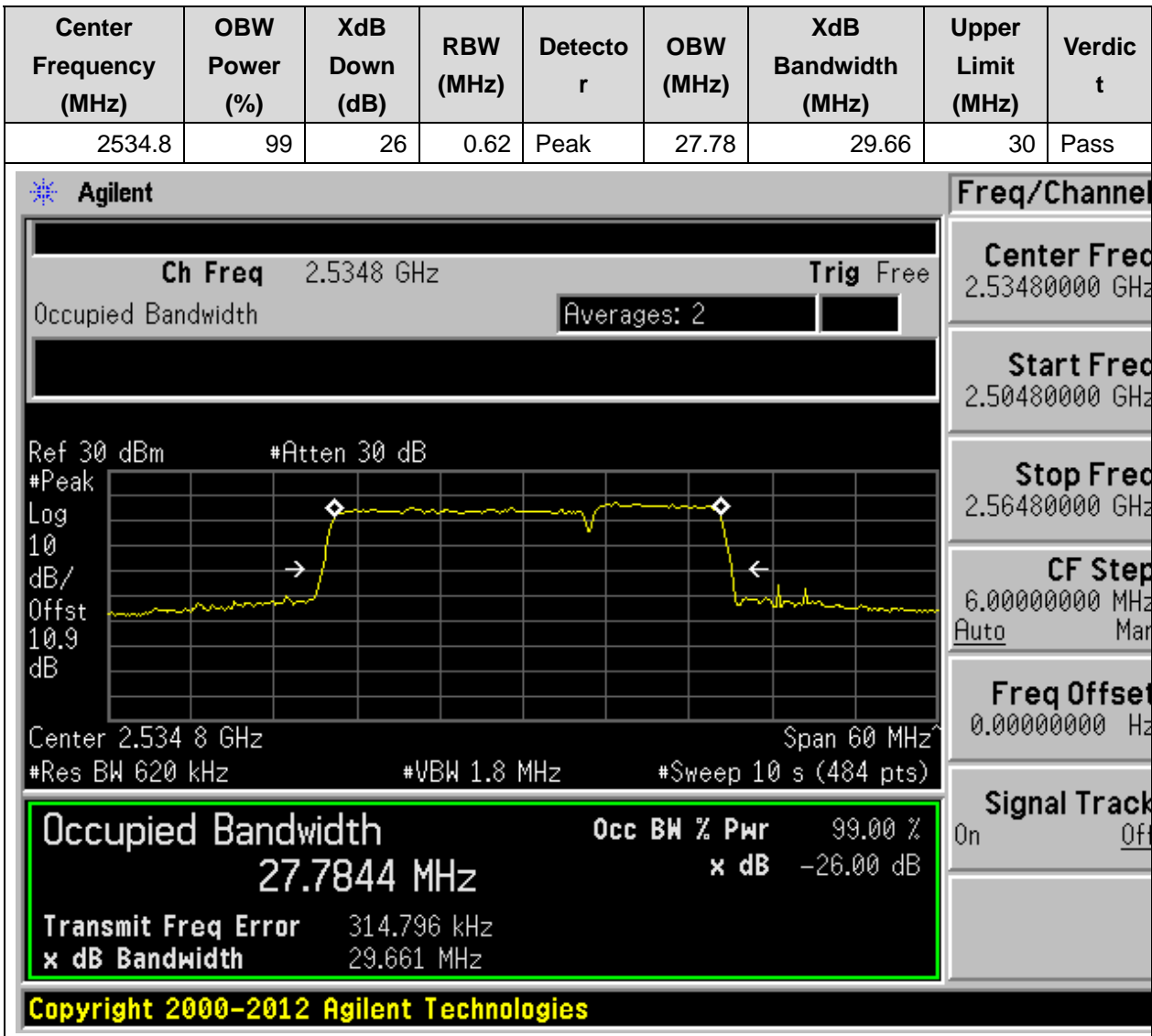
Freq Offset
0.00000000 Hz

Signal Track
On Off

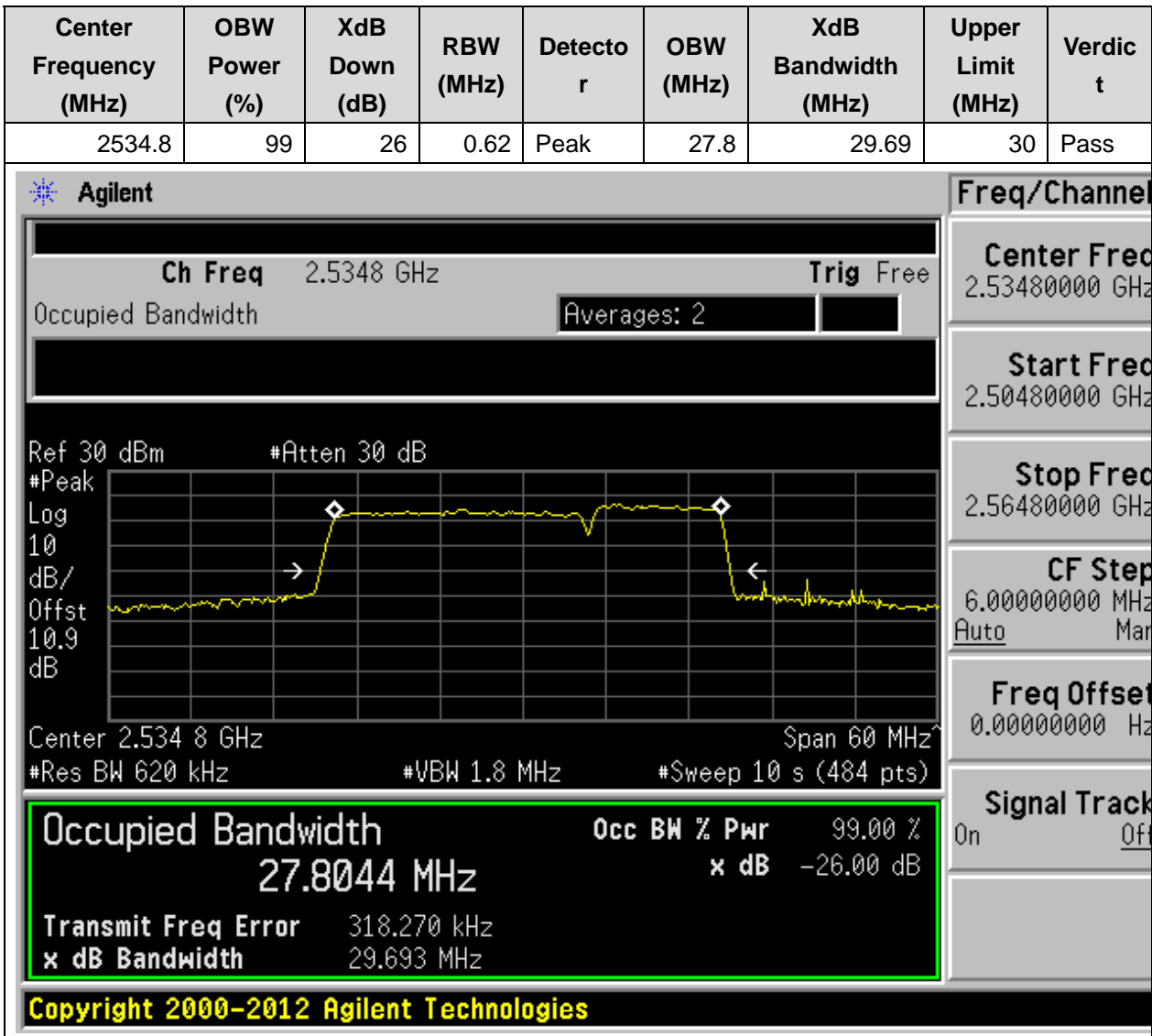
Occupied Bandwidth	Occ BW % Pwr	99.00 %
27.7026 MHz	x dB	-26.00 dB
Transmit Freq Error -369.675 kHz		
x dB Bandwidth 29.517 MHz		

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19.3. CA Occupied Bandwidth(NTNV)(Subtest:3, Channel:21051+21195, Bandwidth:20+10, Modulation:QPSK, RB Number:Full+Full, RB Position:Low+Low)



19.4. CA Occupied Bandwidth(NTNV)(Subtest:4, Channel:21051+21195, Bandwidth:20+10, Modulation:16QAM, RB Number:Full+Full, RB Position:Low+Low)



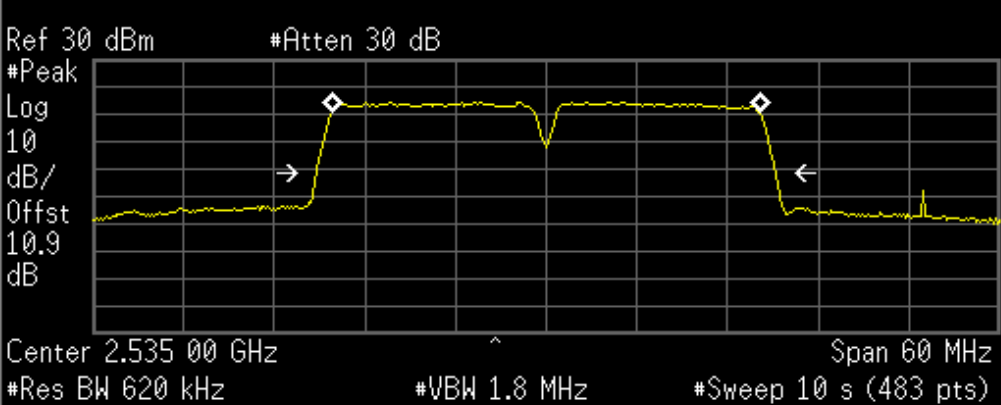
19.5. CA Occupied Bandwidth(NTNV)(Subtest:5, Channel:21025+21175, Bandwidth:15+15, Modulation:QPSK, RB Number:Full+Full, RB Position:Low+Low)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	0.62	Peak	28.36	30.43	30	Pass

Agilent

Ch Freq 2.535 GHz Trig Free

Occupied Bandwidth Averages: 1



Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.9 dB

Center 2.535 00 GHz Span 60 MHz

#Res BW 620 kHz #VBW 1.8 MHz #Sweep 10 s (483 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
28.3604 MHz	x dB	-26.00 dB
Transmit Freq Error		-34.779 kHz
x dB Bandwidth		30.427 MHz

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Freq/Channel

Center Freq
2.53500000 GHz

Start Freq
2.50500000 GHz

Stop Freq
2.56500000 GHz

CF Step
6.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

19.6. CA Occupied Bandwidth(NTNV)(Subtest:6, Channel:21025+21175, Bandwidth:15+15, Modulation:16QAM, RB Number:Full+Full, RB Position:Low+Low)

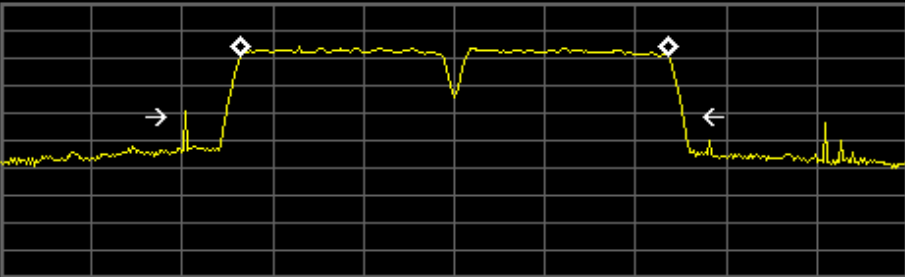
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	0.62	Peak	28.41	33.02	30	Pass

Agilent
Freq/Channel

Ch Freq 2.535 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB



Center 2.535 00 GHz Span 60 MHz

#Res BW 620 kHz #VBW 1.8 MHz #Sweep 10 s (483 pts)

Center Freq
2.53500000 GHz

Start Freq
2.50500000 GHz

Stop Freq
2.56500000 GHz

CF Step
6.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

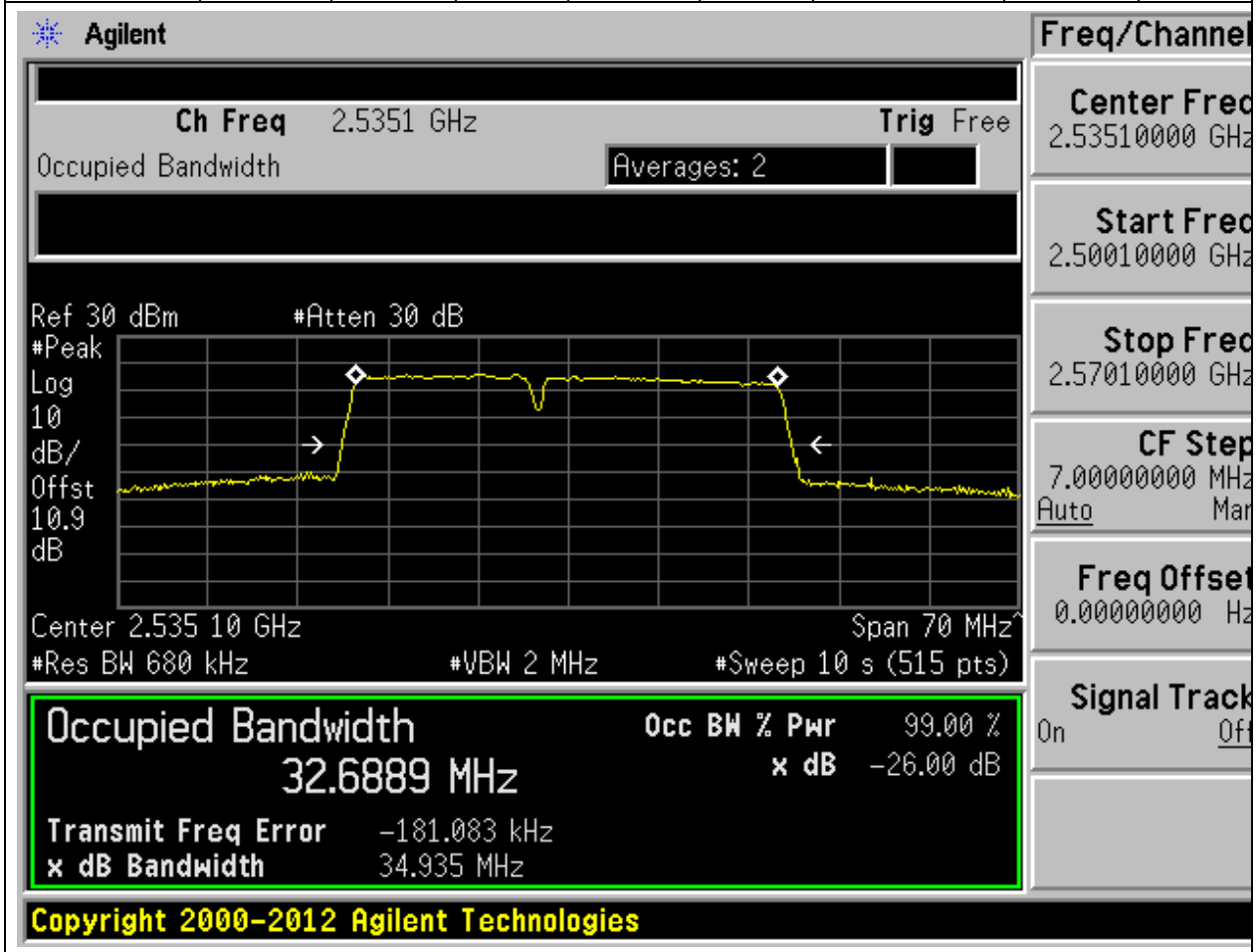
Signal Track
On Off

Occupied Bandwidth	Occ BW % Pwr	99.00 %
28.4122 MHz	x dB	-26.00 dB
Transmit Freq Error	-1.812 kHz	
x dB Bandwidth	33.016 MHz	

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19.7. CA Occupied Bandwidth(NTNV)(Subtest:7, Channel:21003+21174, Bandwidth:15+20, Modulation:QPSK, RB Number:Full+Full, RB Position:Low+Low)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535.1	99	26	0.68	Peak	32.69	34.94	35	Pass



19.8. CA Occupied Bandwidth(NTNV)(Subtest:8, Channel:21003+21174, Bandwidth:15+20, Modulation:16QAM, RB Number:Full+Full, RB Position:Low+Low)

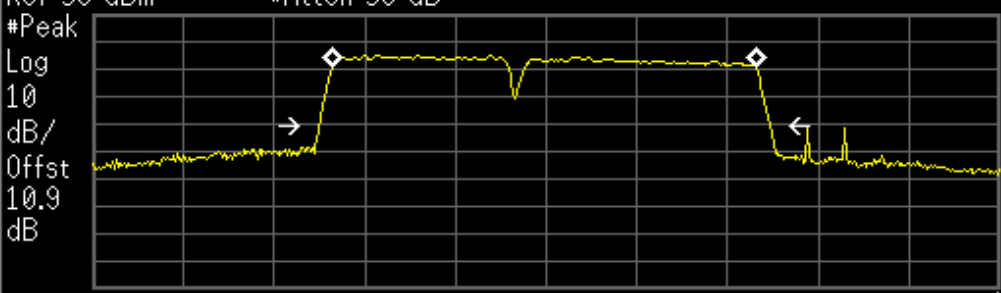
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535.1	99	26	0.68	Peak	32.59	37.66	35	Pass

Agilent

Ch Freq 2.5351 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB



Center 2.535 10 GHz Span 70 MHz
#Res BW 680 kHz #VBW 2 MHz #Sweep 10 s (514 pts)

Freq/Channel

Center Freq
2.53510000 GHz

Start Freq
2.50010000 GHz

Stop Freq
2.57010000 GHz

CF Step
7.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth	Occ BW % Pwr	99.00 %
32.5906 MHz	x dB	-26.00 dB
Transmit Freq Error	-196.601 kHz	
x dB Bandwidth	37.664 MHz	

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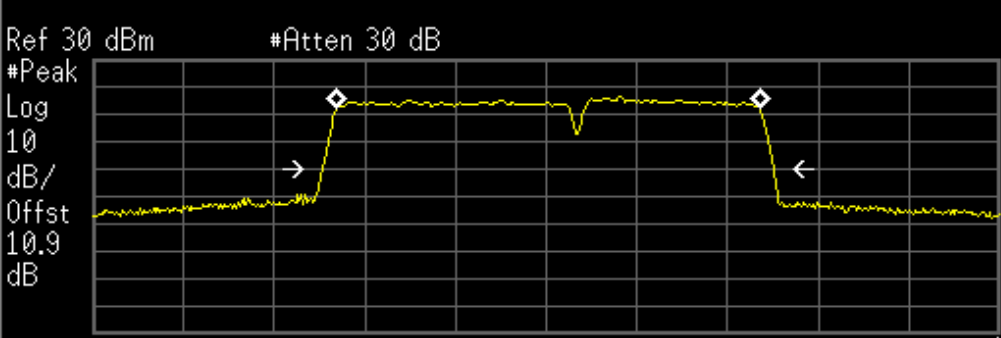
19.9. CA Occupied Bandwidth(NTNV)(Subtest:9, Channel:21026+21197, Bandwidth:20+15, Modulation:QPSK, RB Number:Full+Full, RB Position:Low+Low)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2534.9	99	26	0.68	Peak	32.66	34.77	35	Pass

Agilent

Ch Freq 2.5349 GHz Trig Free

Occupied Bandwidth Averages: 2



Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.9 dB

Center 2.534 90 GHz Span 70 MHz

#Res BW 680 kHz #VBW 2 MHz #Sweep 10 s (514 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
32.6616 MHz	x dB	-26.00 dB
Transmit Freq Error	137.995 kHz	
x dB Bandwidth	34.771 MHz	

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Freq/Channel

Center Freq
2.53490000 GHz

Start Freq
2.49990000 GHz

Stop Freq
2.56990000 GHz

CF Step
7.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

19.10. CA Occupied Bandwidth(NTNV)(Subtest:10, Channel:21026+21197, Bandwidth:20+15, Modulation:16QAM, RB Number:Full+Full, RB Position:Low+Low)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2534.9	99	26	0.68	Peak	32.66	34.87	35	Pass

Agilent
Freq/Channel

Ch Freq 2.5349 GHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Center Freq
2.53490000 GHz

Start Freq
2.49990000 GHz

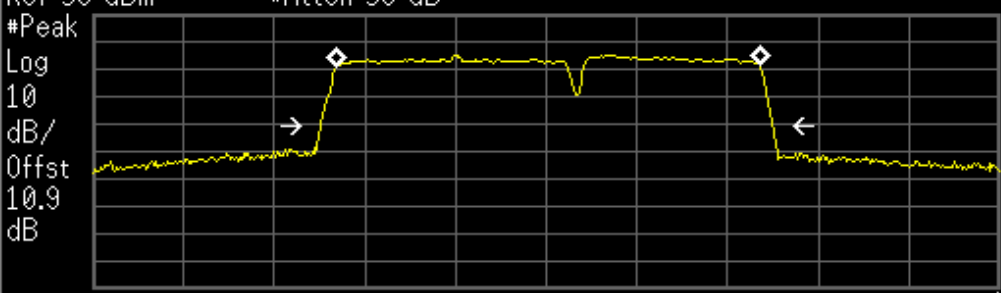
Stop Freq
2.56990000 GHz

CF Step
7.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Ref 30 dBm #Atten 30 dB



Center 2.534 90 GHz Span 70 MHz
#Res BW 680 kHz #VBW 2 MHz #Sweep 10 s (514 pts)

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

32.6585 MHz **x dB** -26.00 dB

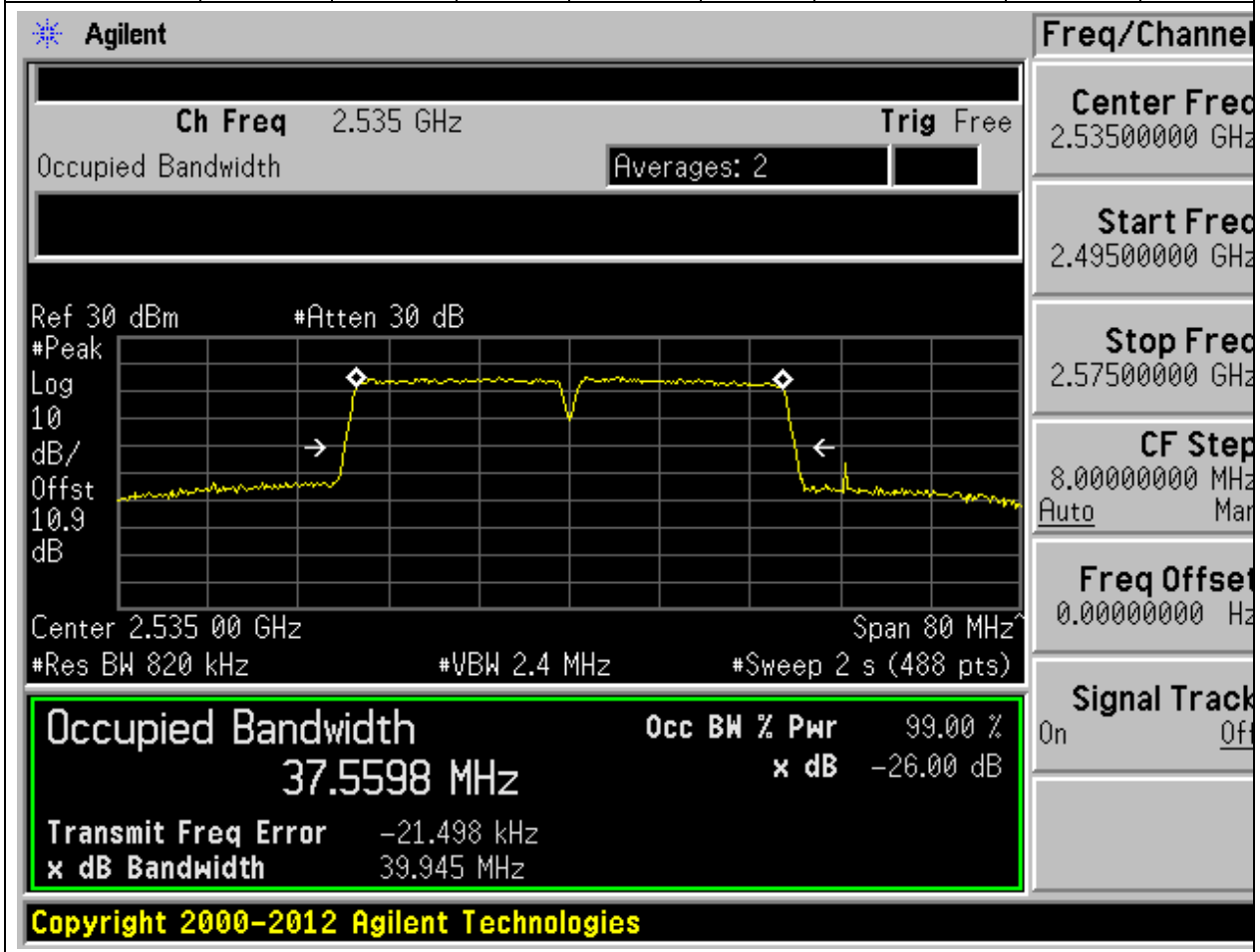
Transmit Freq Error 134.905 kHz

x dB Bandwidth 34.874 MHz

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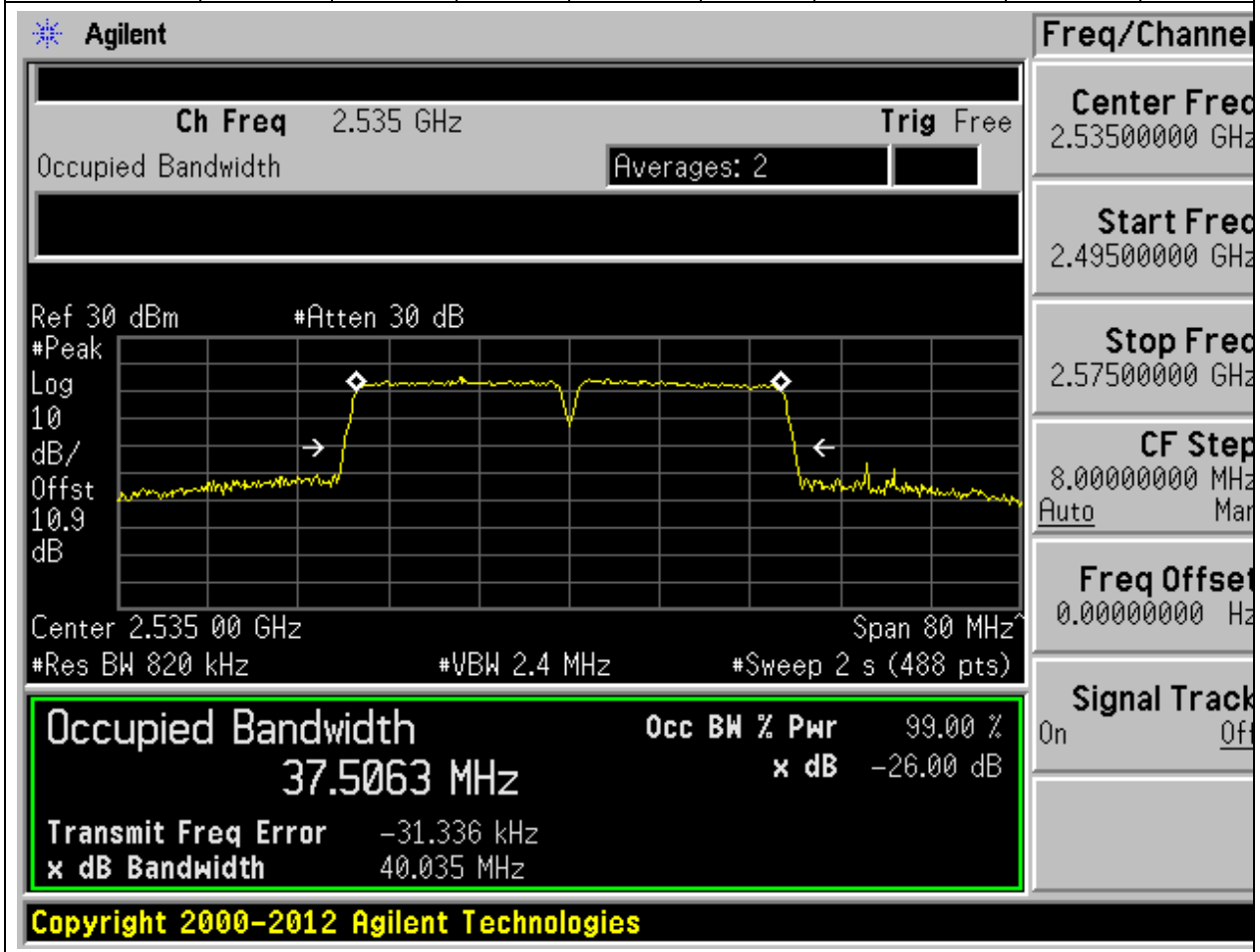
19.11. CA Occupied Bandwidth(NTNV)(Subtest:11, Channel:21001+21199, Bandwidth:20+20, Modulation:QPSK, RB Number:Full+Full, RB Position:Low+Low)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	0.82	Peak	37.56	39.94	40	Pass



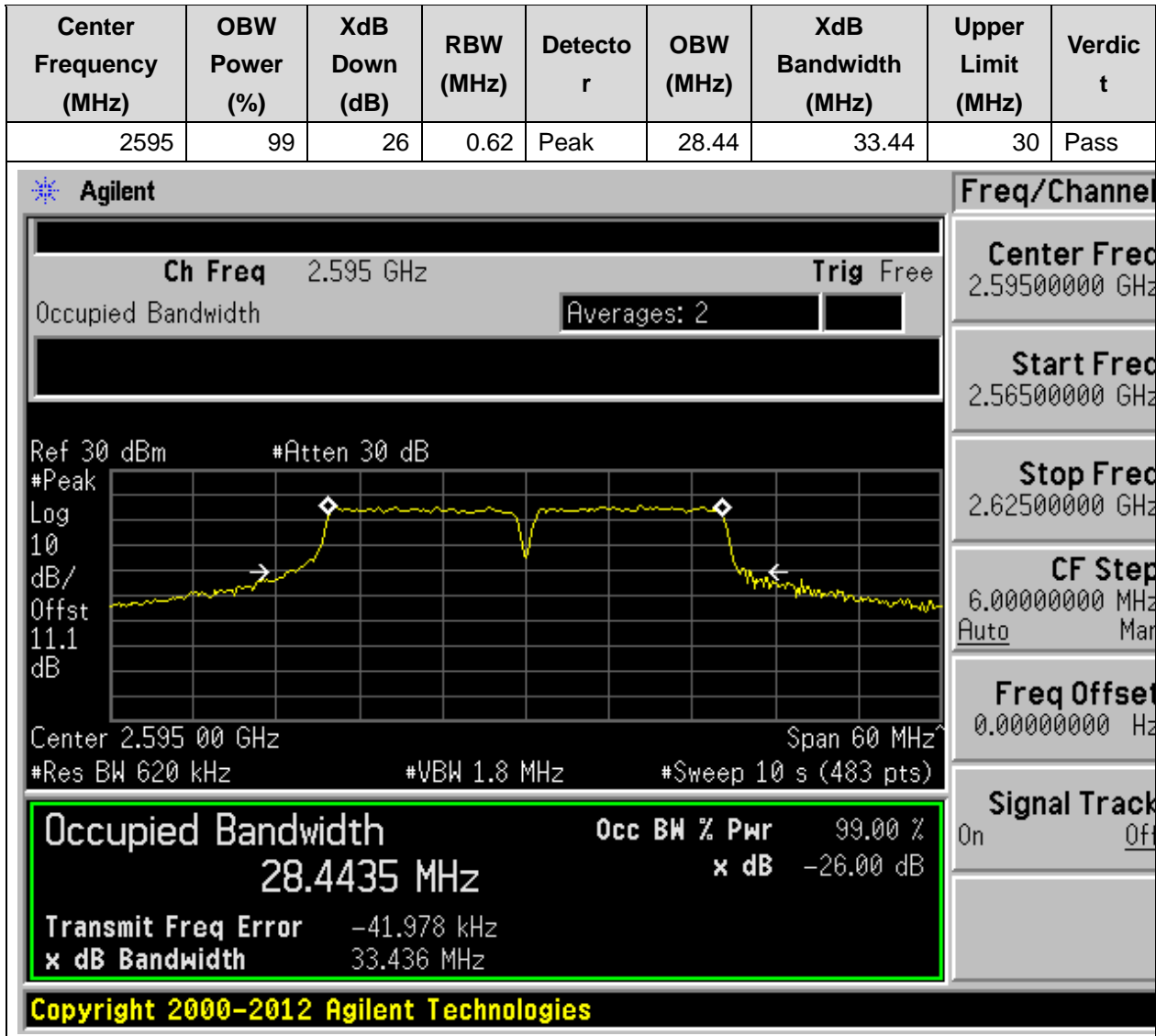
19.12. CA Occupied Bandwidth(NTNV)(Subtest:12, Channel:21001+21199, Bandwidth:20+20, Modulation:16QAM, RB Number:Full+Full, RB Position:Low+Low)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	0.82	Peak	37.51	40.03	40	Pass

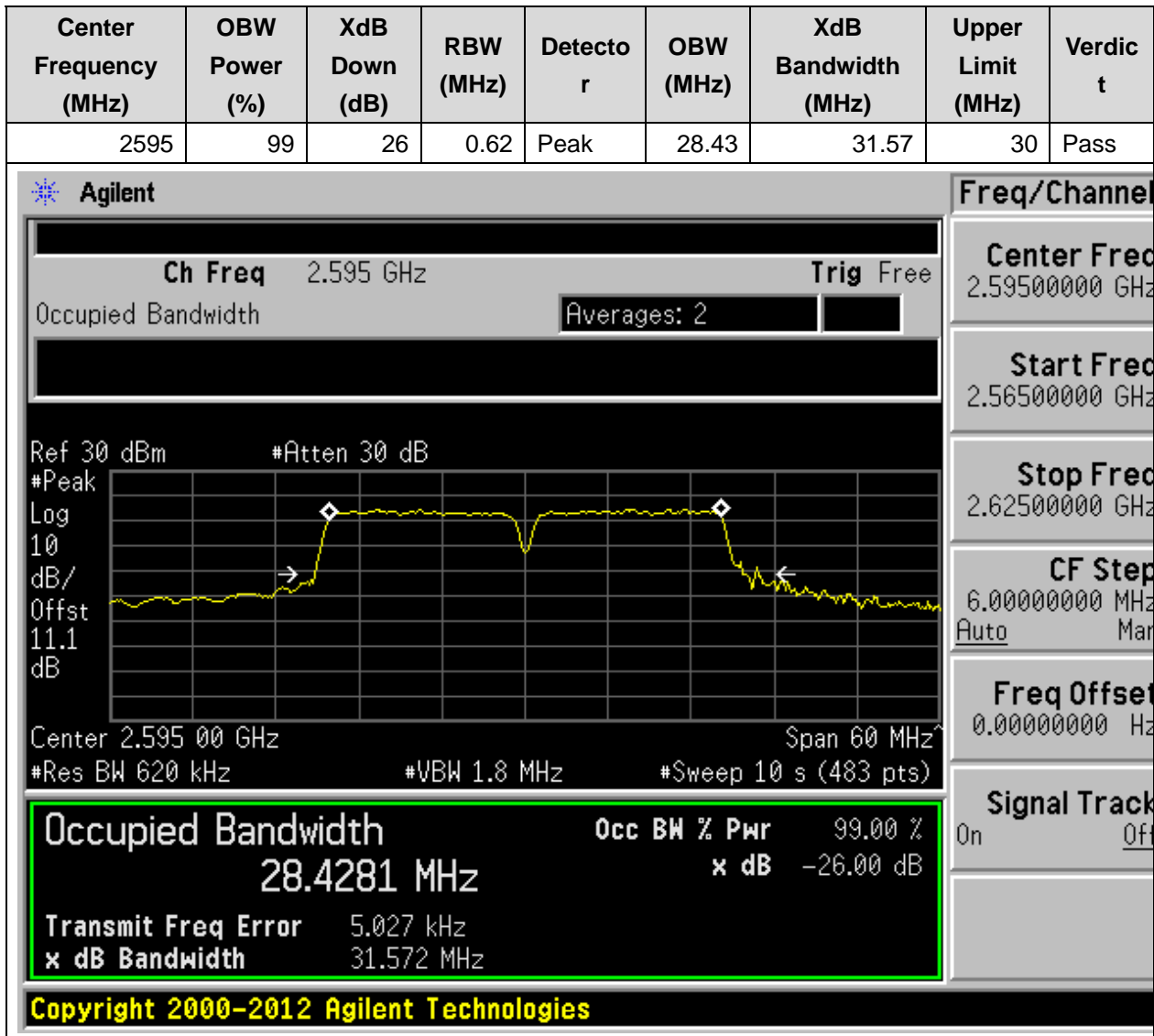


20. CA_38C

20.1. CA Occupied Bandwidth(NTNV)(Subtest:1, Channel:37925+38075, Bandwidth:15+15, Modulation:QPSK, RB Number:Full+Full, RB Position:Low+Low)

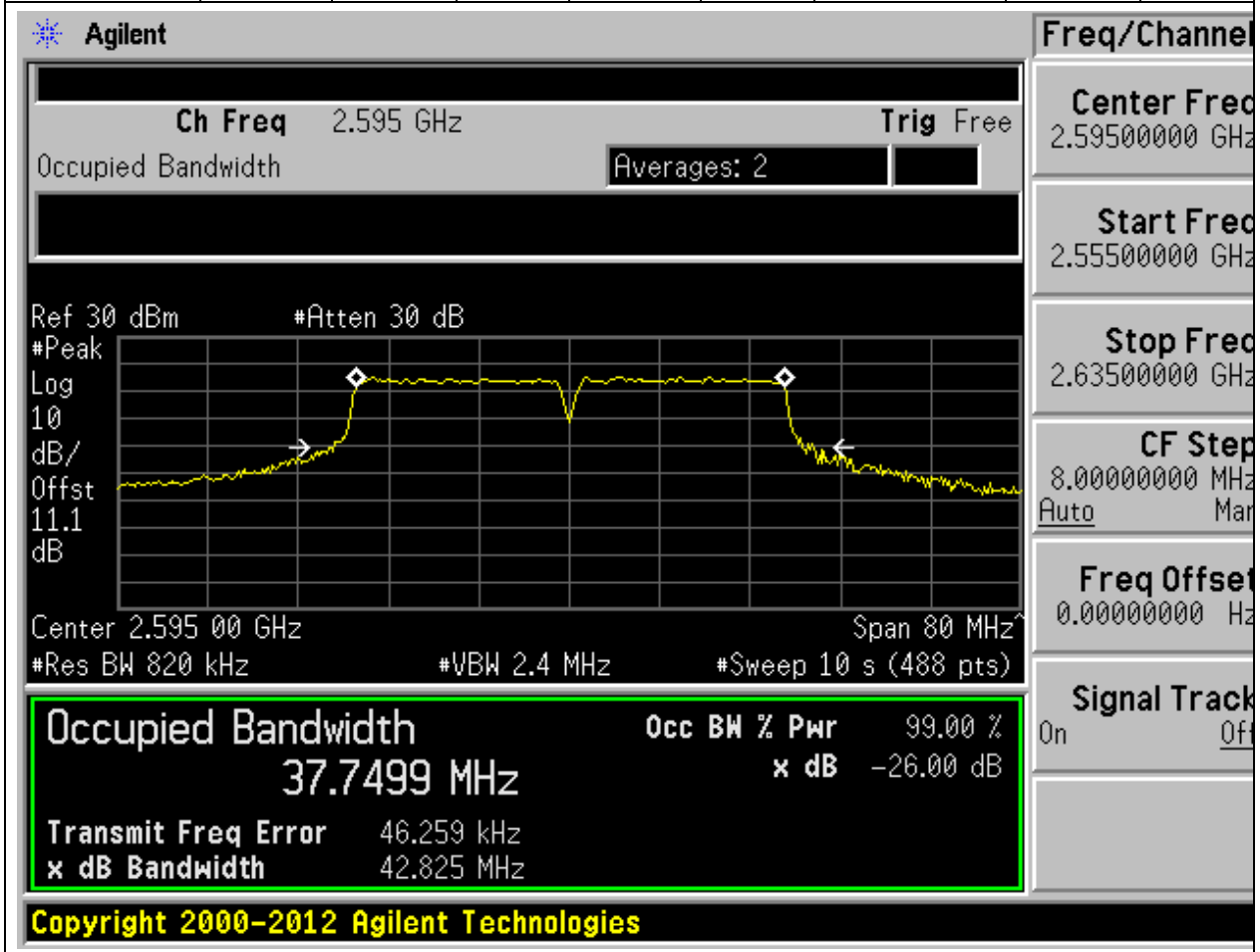


20.2. CA Occupied Bandwidth(NTNV)(Subtest:2, Channel:37925+38075, Bandwidth:15+15, Modulation:16QAM, RB Number:Full+Full, RB Position:Low+Low)



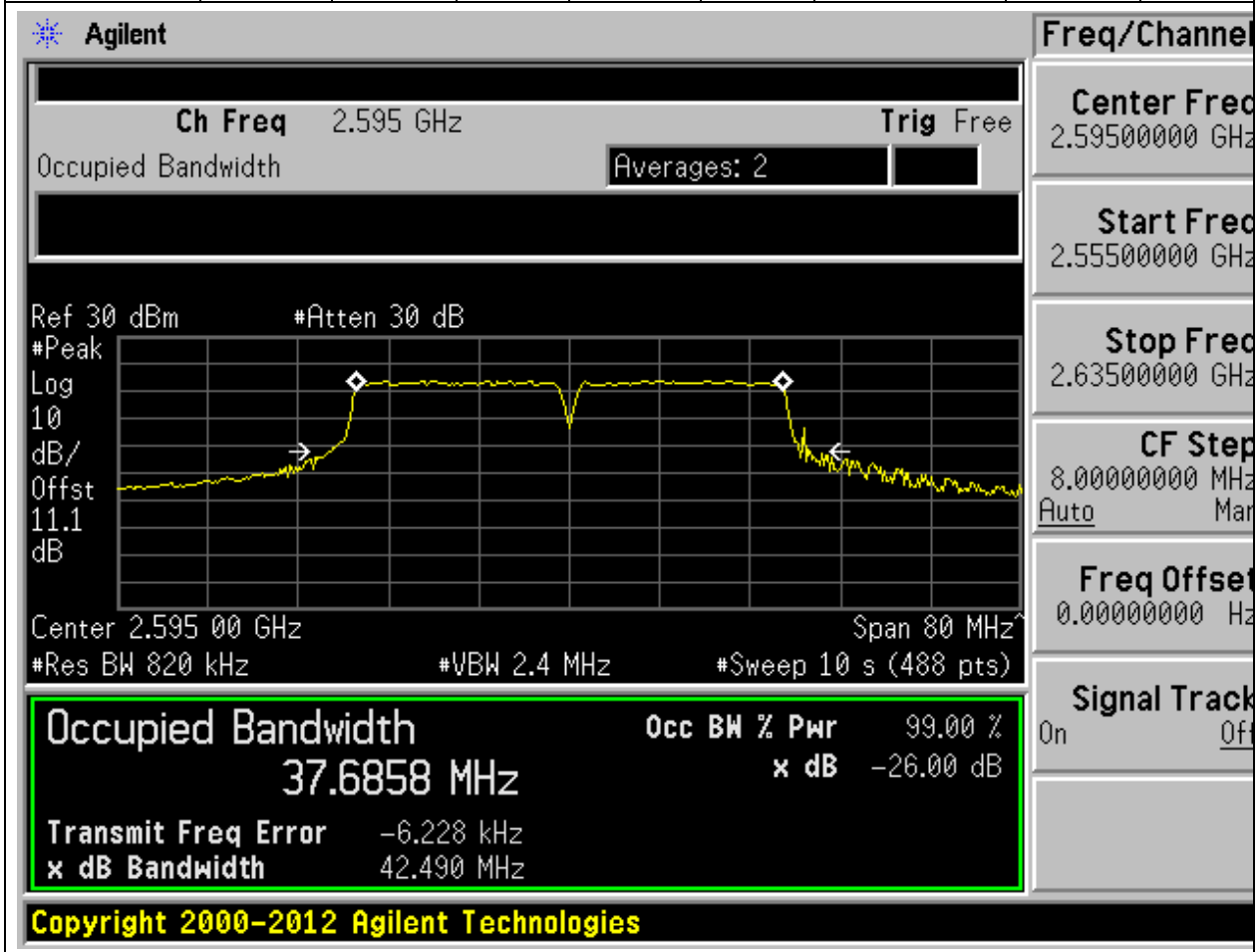
20.3. CA Occupied Bandwidth(NTNV)(Subtest:3, Channel:37901+38099, Bandwidth:20+20, Modulation:QPSK, RB Number:Full+Full, RB Position:Low+Low)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2595	99	26	0.82	Peak	37.75	42.82	40	Pass



20.4. CA Occupied Bandwidth(NTNV)(Subtest:4, Channel:37901+38099, Bandwidth:20+20, Modulation:16QAM, RB Number:Full+Full, RB Position:Low+Low)

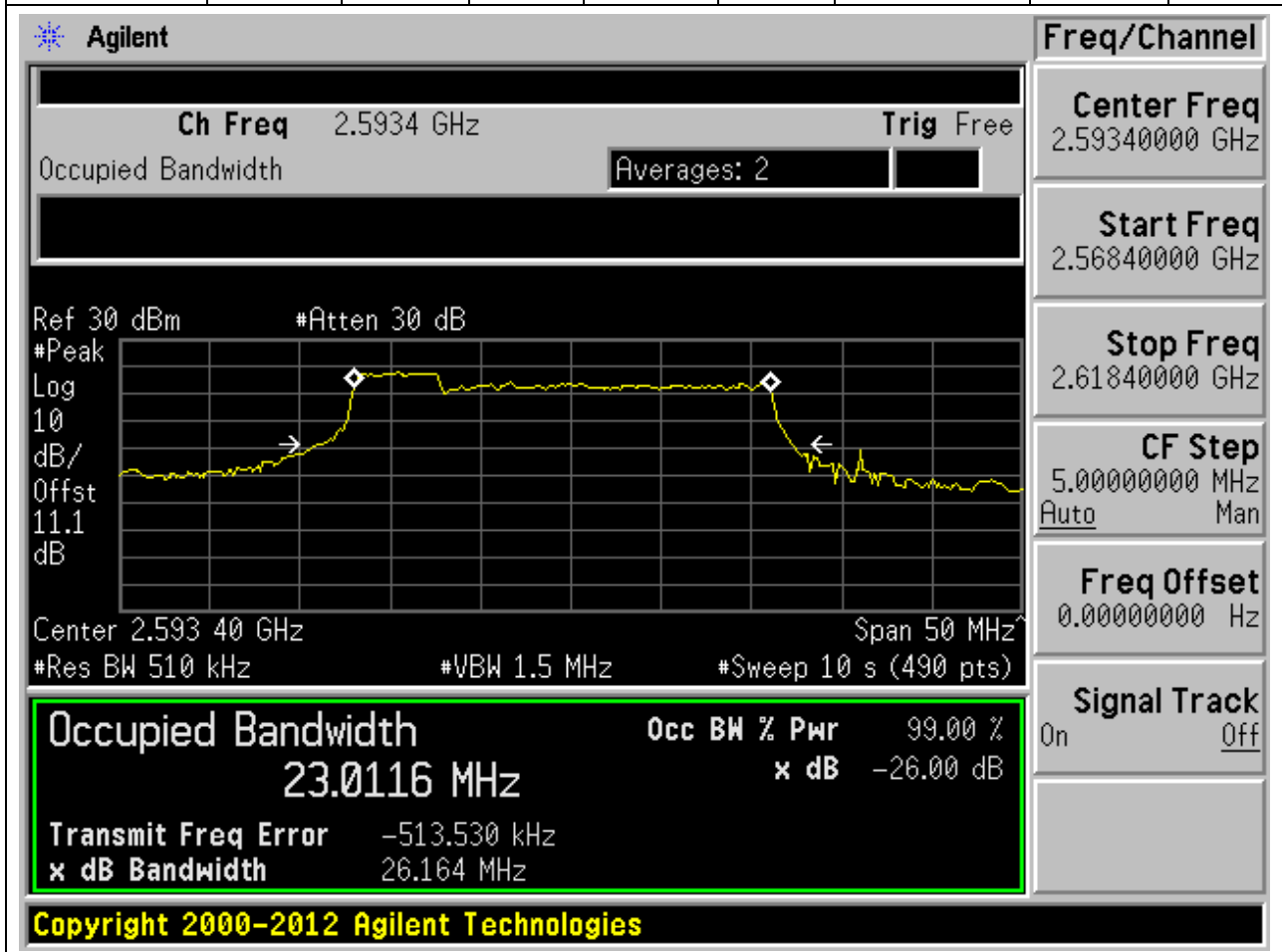
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2595	99	26	0.82	Peak	37.69	42.49	40	Pass



21. CA_41C

21.1. CA Occupied Bandwidth(NTNV)(Subtest:1, Channel:40528+40645, Bandwidth:5+20, Modulation:QPSK, RB Number:Full+Full, RB Position:Low+Low)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2593.4	99	26	0.51	Peak	23.01	26.16	25	Pass



21.2. CA Occupied Bandwidth(NTNV)(Subtest:2, Channel:40528+40645, Bandwidth:5+20, Modulation:16QAM, RB Number:Full+Full, RB Position:Low+Low)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2593.4	99	26	0.51	Peak	22.94	24.71	25	Pass

Agilent
Freq/Channel

Ch Freq 2.5934 GHz **Trig** Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak

Log

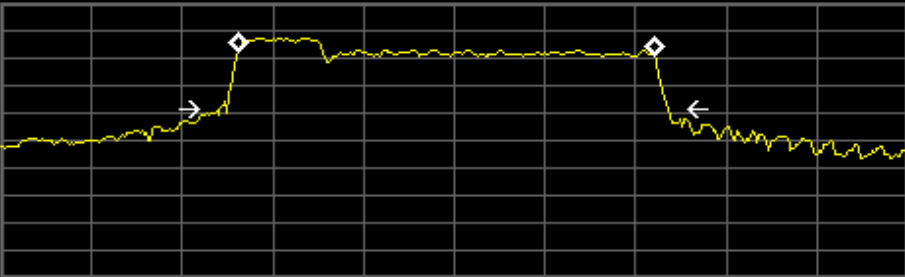
10

dB/

Offst

11.1

dB



Center 2.593 40 GHz Span 50 MHz

#Res BW 510 kHz #VBW 1.5 MHz #Sweep 10 s (490 pts)

Center Freq
2.59340000 GHz

Start Freq
2.56840000 GHz

Stop Freq
2.61840000 GHz

CF Step
5.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth	Occ BW % Pwr 99.00 %
22.9414 MHz	x dB -26.00 dB
Transmit Freq Error	-473.965 kHz
x dB Bandwidth	24.709 MHz

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21.3. CA Occupied Bandwidth(NTNV)(Subtest:3, Channel:40595+40712, Bandwidth:20+5, Modulation:QPSK, RB Number:Full+Full, RB Position:Low+Low)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2592.6	99	26	0.51	Peak	22.95	25.2	25	Pass

Agilent
Freq/Channel

Ch Freq 2.5926 GHz Trig Free

Occupied Bandwidth Averages: 2

Center Freq 2.59260000 GHz

Start Freq 2.56760000 GHz

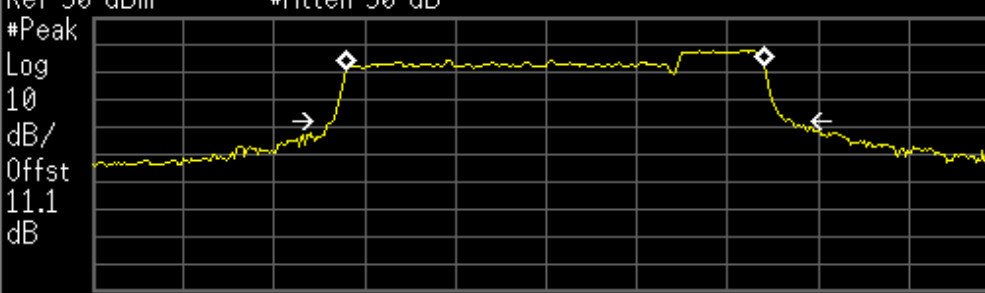
Stop Freq 2.61760000 GHz

CF Step 5.00000000 MHz
Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

Ref 30 dBm #Atten 30 dB



Center 2.592 60 GHz Span 50 MHz

#Res BW 510 kHz #VBW 1.5 MHz #Sweep 10 s (490 pts)

Occupied Bandwidth Occ BW % Pwr 99.00 %

22.9546 MHz x dB -26.00 dB

Transmit Freq Error 507.024 kHz

x dB Bandwidth 25.204 MHz

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21.4. CA Occupied Bandwidth(NTNV)(Subtest:4, Channel:40595+40712, Bandwidth:20+5, Modulation:16QAM, RB Number:Full+Full, RB Position:Low+Low)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2592.6	99	26	0.51	Peak	22.95	25.63	25	Pass

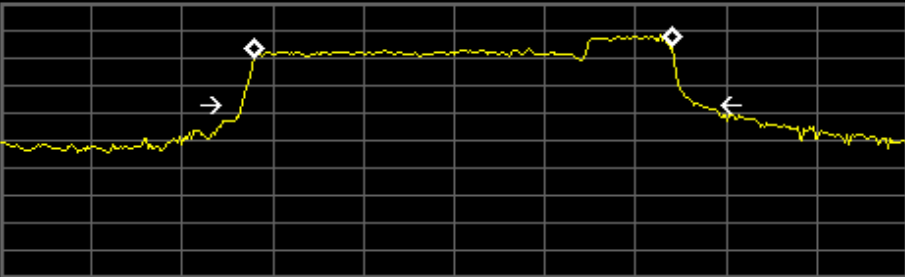
Agilent
Freq/Channel

Ch Freq 2.5926 GHz **Trig** Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.1 dB



Center 2.592 60 GHz Span 50 MHz

#Res BW 510 kHz #VBW 1.5 MHz #Sweep 10 s (490 pts)

Center Freq
2.59260000 GHz

Start Freq
2.56760000 GHz

Stop Freq
2.61760000 GHz

CF Step
5.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

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

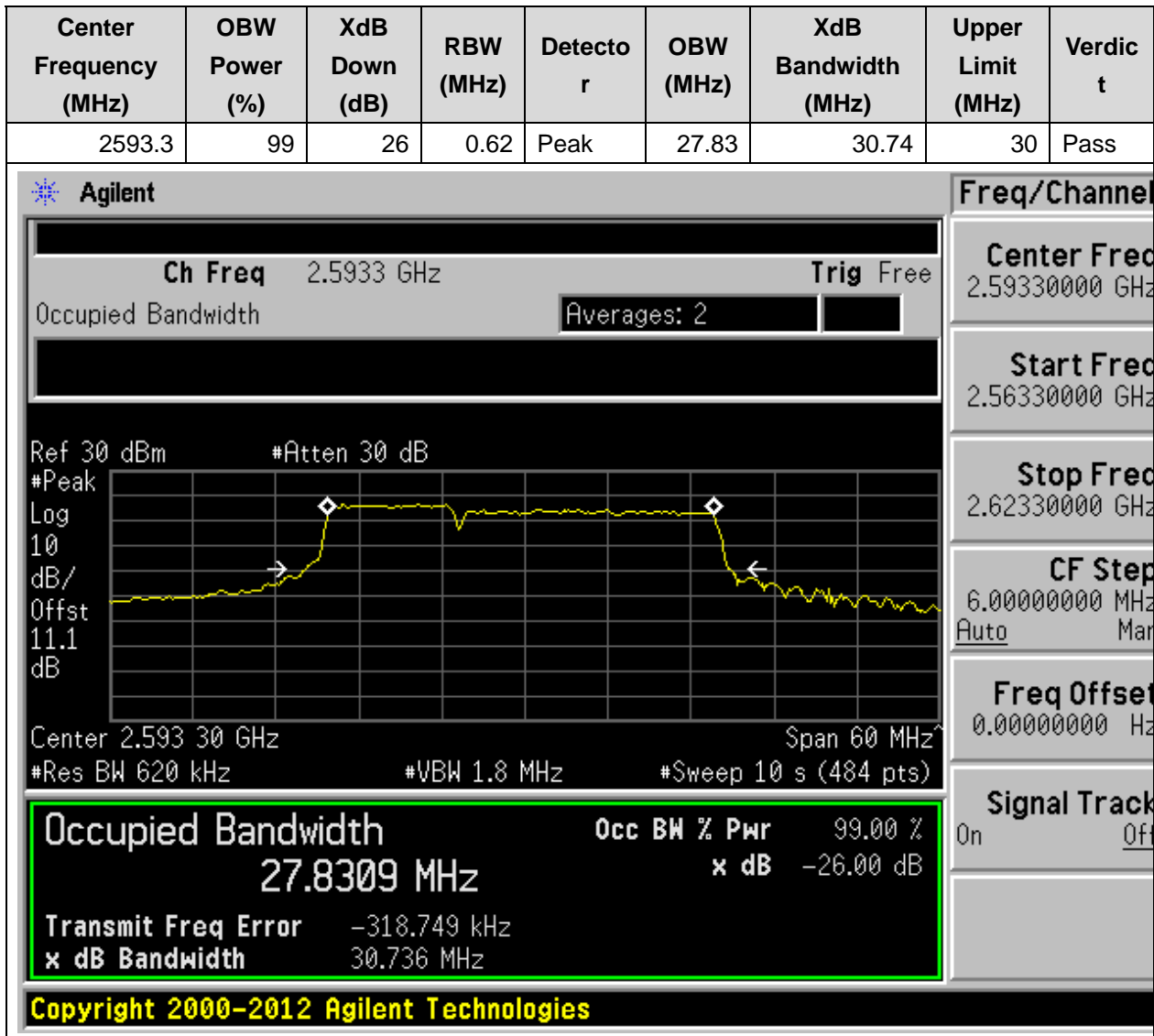
22.9488 MHz **x dB** -26.00 dB

Transmit Freq Error 523.159 kHz

x dB Bandwidth 25.626 MHz

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21.5. CA Occupied Bandwidth(NTNV)(Subtest:5, Channel:40526+40670, Bandwidth:10+20, Modulation:QPSK, RB Number:Full+Full, RB Position:Low+Low)



21.6. CA Occupied Bandwidth(NTNV)(Subtest:6, Channel:40526+40670, Bandwidth:10+20, Modulation:16QAM, RB Number:Full+Full, RB Position:Low+Low)

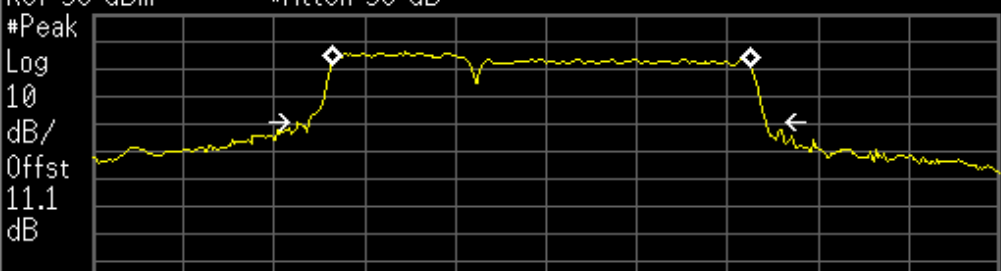
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2593.3	99	26	0.62	Peak	27.8	30.21	30	Pass

Agilent
Freq/Channel

Ch Freq 2.5933 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB



Center 2.593 30 GHz Span 60 MHz

#Res BW 620 kHz #VBW 1.8 MHz #Sweep 10 s (483 pts)

Center Freq 2.59330000 GHz

Start Freq 2.56330000 GHz

Stop Freq 2.62330000 GHz

CF Step 6.00000000 MHz
Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

27.7990 MHz x dB -26.00 dB

Transmit Freq Error -339.152 kHz

x dB Bandwidth 30.206 MHz

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21.7. CA Occupied Bandwidth(NTNV)(Subtest:7, Channel:40571+40715, Bandwidth:20+10, Modulation:QPSK, RB Number:Full+Full, RB Position:Low+Low)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2592.8	99	26	0.62	Peak	27.84	31.73	30	Pass

Agilent
Freq/Channel

Ch Freq 2.5928 GHz **Trig** Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak

Log

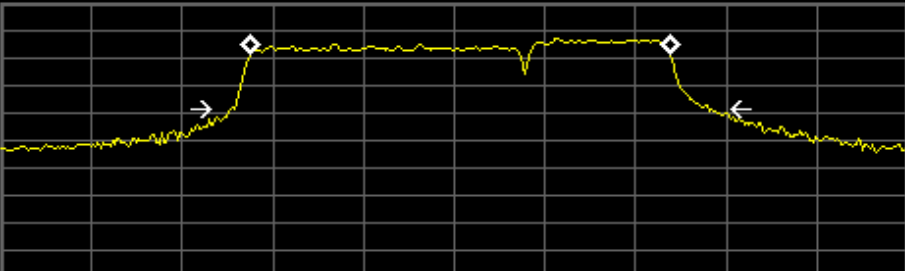
10

dB/

Offst

11.1

dB



Center 2.592 80 GHz Span 60 MHz

#Res BW 620 kHz #VBW 1.8 MHz #Sweep 10 s (483 pts)

Center Freq
2.59280000 GHz

Start Freq
2.56280000 GHz

Stop Freq
2.62280000 GHz

CF Step
6.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth	Occ BW % Pwr 99.00 %
27.8446 MHz	x dB -26.00 dB
Transmit Freq Error 355.759 kHz	
x dB Bandwidth 31.732 MHz	

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21.8. CA Occupied Bandwidth(NTNV)(Subtest:8, Channel:40571+40715, Bandwidth:20+10, Modulation:16QAM, RB Number:Full+Full, RB Position:Low+Low)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2592.8	99	26	0.62	Peak	27.79	30.4	30	Pass

Agilent
Freq/Channel

Ch Freq 2.5928 GHz **Trig** Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak

Log

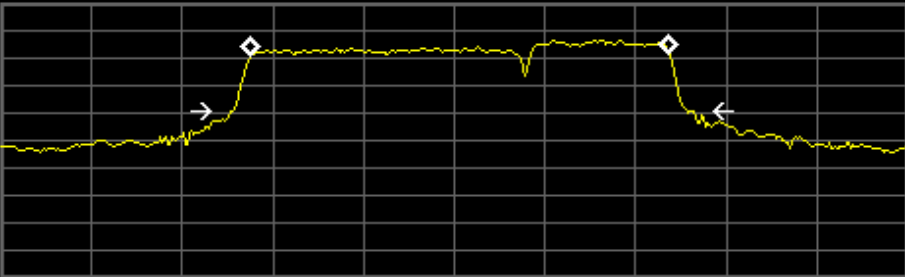
10

dB/

Offst

11.1

dB



Center 2.592 80 GHz Span 60 MHz

#Res BW 620 kHz #VBW 1.8 MHz #Sweep 10 s (483 pts)

Center Freq
2.59280000 GHz

Start Freq
2.56280000 GHz

Stop Freq
2.62280000 GHz

CF Step
6.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

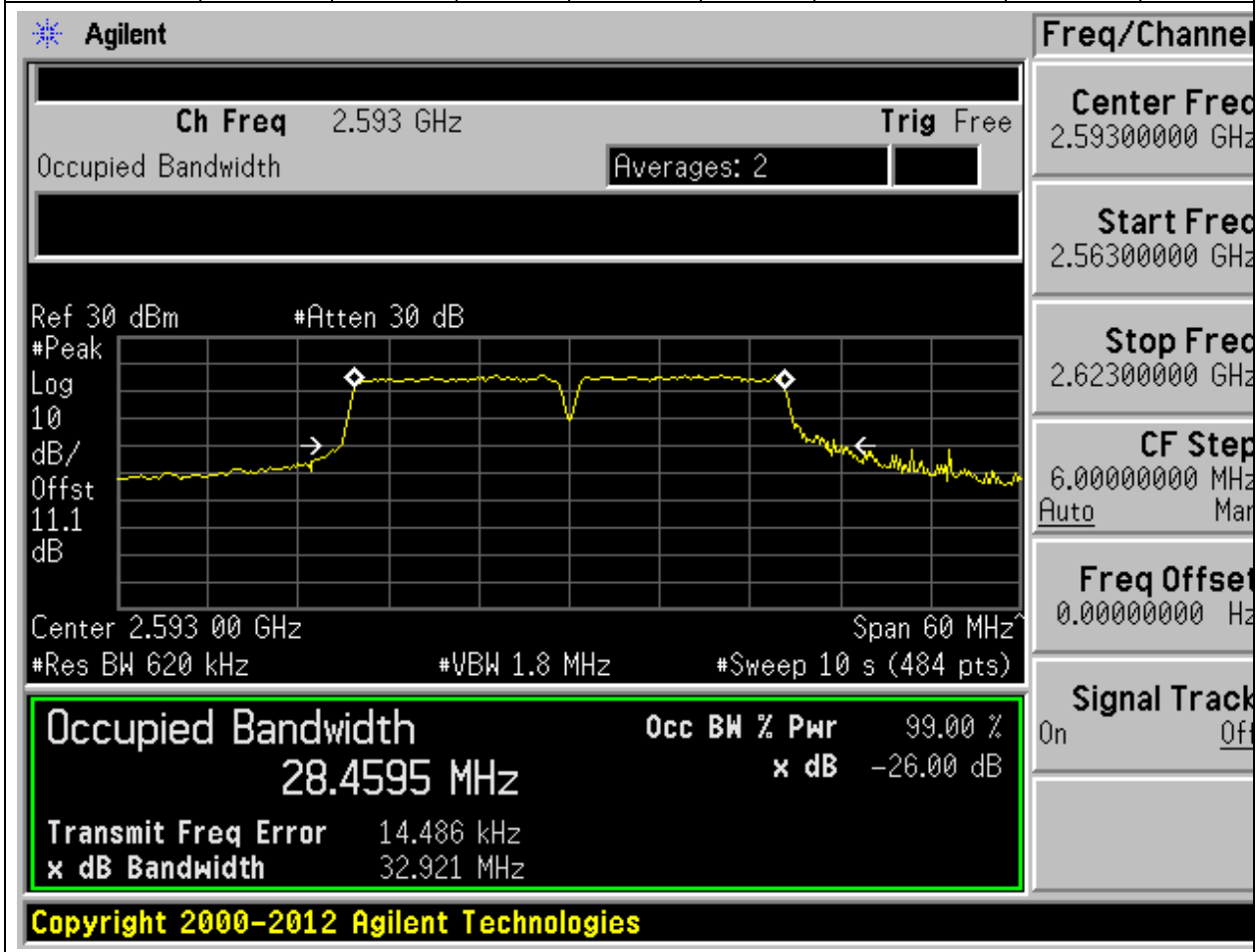
Signal Track
On Off

Occupied Bandwidth	Occ BW % Pwr	99.00 %
27.7850 MHz	x dB	-26.00 dB
Transmit Freq Error	326.350 kHz	
x dB Bandwidth	30.395 MHz	

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21.9. CA Occupied Bandwidth(NTNV)(Subtest:9, Channel:40545+40695, Bandwidth:15+15, Modulation:QPSK, RB Number:Full+Full, RB Position:Low+Low)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2593	99	26	0.62	Peak	28.46	32.92	30	Pass



21.10. CA Occupied Bandwidth(NTNV)(Subtest:10, Channel:40545+40695, Bandwidth:15+15, Modulation:16QAM, RB Number:Full+Full, RB Position:Low+Low)

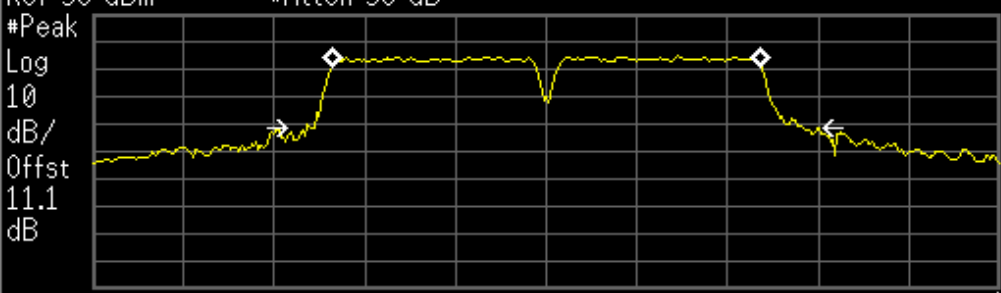
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2593	99	26	0.62	Peak	28.48	32.93	30	Pass

Agilent
Freq/Channel

Ch Freq 2.593 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB



Center 2.593 00 GHz Span 60 MHz
#Res BW 620 kHz #VBW 1.8 MHz #Sweep 10 s (483 pts)

Center Freq
2.59300000 GHz

Start Freq
2.56300000 GHz

Stop Freq
2.62300000 GHz

CF Step
6.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth	Occ BW % Pwr	99.00 %
28.4797 MHz	x dB	-26.00 dB
Transmit Freq Error	-6.649 kHz	
x dB Bandwidth	32.929 MHz	

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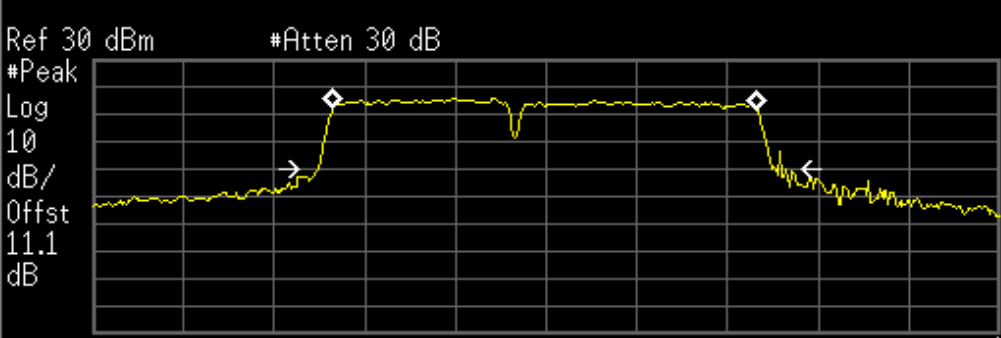
21.11. CA Occupied Bandwidth(NTNV)(Subtest:11, Channel:40523+40694, Bandwidth:15+20, Modulation:QPSK, RB Number:Full+Full, RB Position:Low+Low)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2593.1	99	26	0.68	Peak	32.78	35.76	35	Pass

Agilent

Ch Freq 2.5931 GHz Trig Free

Occupied Bandwidth Averages: 2



Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.1 dB

Center 2.593 10 GHz Span 70 MHz

#Res BW 680 kHz #VBW 2 MHz #Sweep 10 s (514 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
32.7793 MHz	x dB	-26.00 dB
Transmit Freq Error	-156.985 kHz	
x dB Bandwidth	35.759 MHz	

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Freq/Channel

Center Freq 2.59310000 GHz

Start Freq 2.55810000 GHz

Stop Freq 2.62810000 GHz

CF Step 7.00000000 MHz
Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

21.12. CA Occupied Bandwidth(NTNV)(Subtest:12, Channel:40523+40694, Bandwidth:15+20, Modulation:16QAM, RB Number:Full+Full, RB Position:Low+Low)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2593.1	99	26	0.68	Peak	32.73	35.59	35	Pass

Agilent
Freq/Channel

Ch Freq 2.5931 GHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Center Freq
2.59310000 GHz

Start Freq
2.55810000 GHz

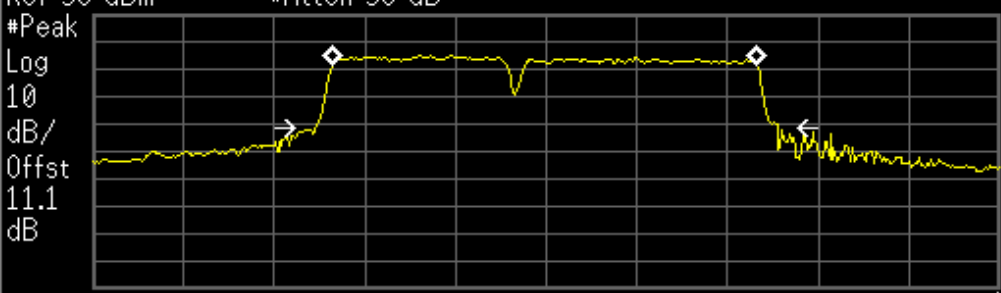
Stop Freq
2.62810000 GHz

CF Step
7.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Ref 30 dBm #Atten 30 dB

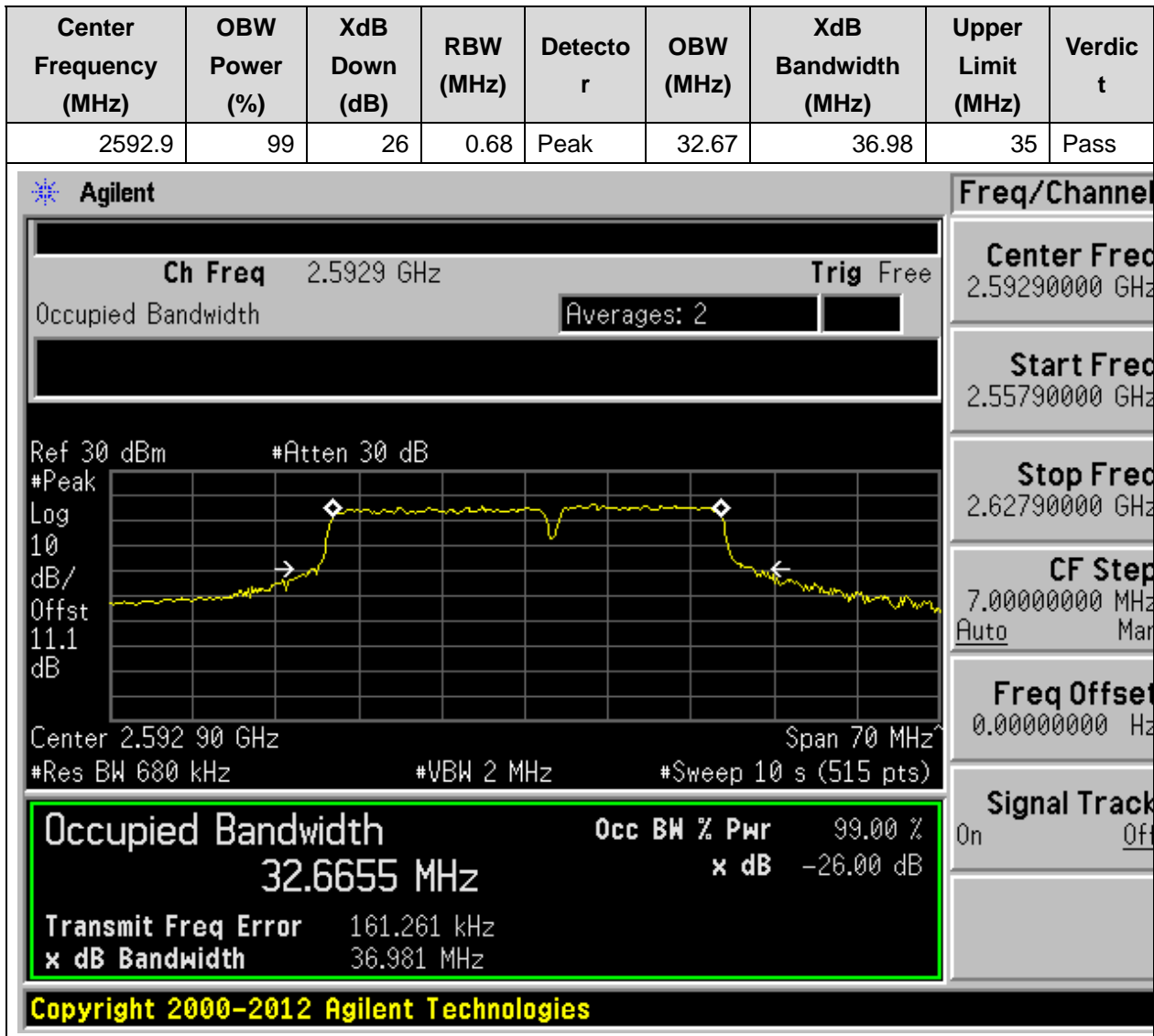


Center 2.593 10 GHz Span 70 MHz
#Res BW 680 kHz #VBW 2 MHz #Sweep 10 s (514 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
32.7341 MHz	x dB -26.00 dB
Transmit Freq Error	-170.304 kHz
x dB Bandwidth	35.587 MHz

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21.13. CA Occupied Bandwidth(NTNV)(Subtest:13, Channel:40546+40717, Bandwidth:20+15, Modulation:QPSK, RB Number:Full+Full, RB Position:Low+Low)



21.14. CA Occupied Bandwidth(NTNV)(Subtest:14, Channel:40546+40717, Bandwidth:20+15, Modulation:16QAM, RB Number:Full+Full, RB Position:Low+Low)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2592.9	99	26	0.68	Peak	32.77	37.9	35	Pass

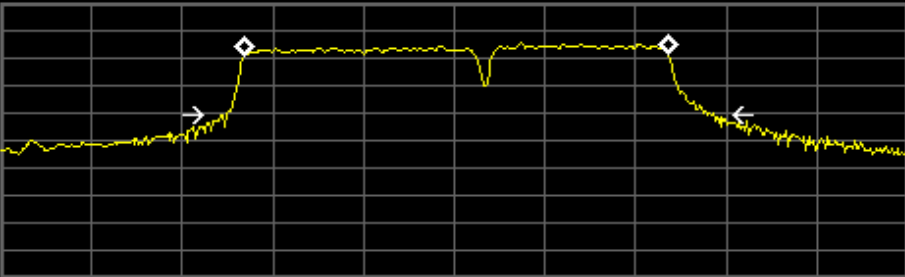
Agilent

Ch Freq 2.5929 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.1 dB



Center 2.592 90 GHz Span 70 MHz

#Res BW 680 kHz #VBW 2 MHz #Sweep 10 s (514 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
32.7686 MHz	x dB	-26.00 dB
Transmit Freq Error	204.926 kHz	
x dB Bandwidth	37.895 MHz	

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Freq/Channel

Center Freq 2.59290000 GHz

Start Freq 2.55790000 GHz

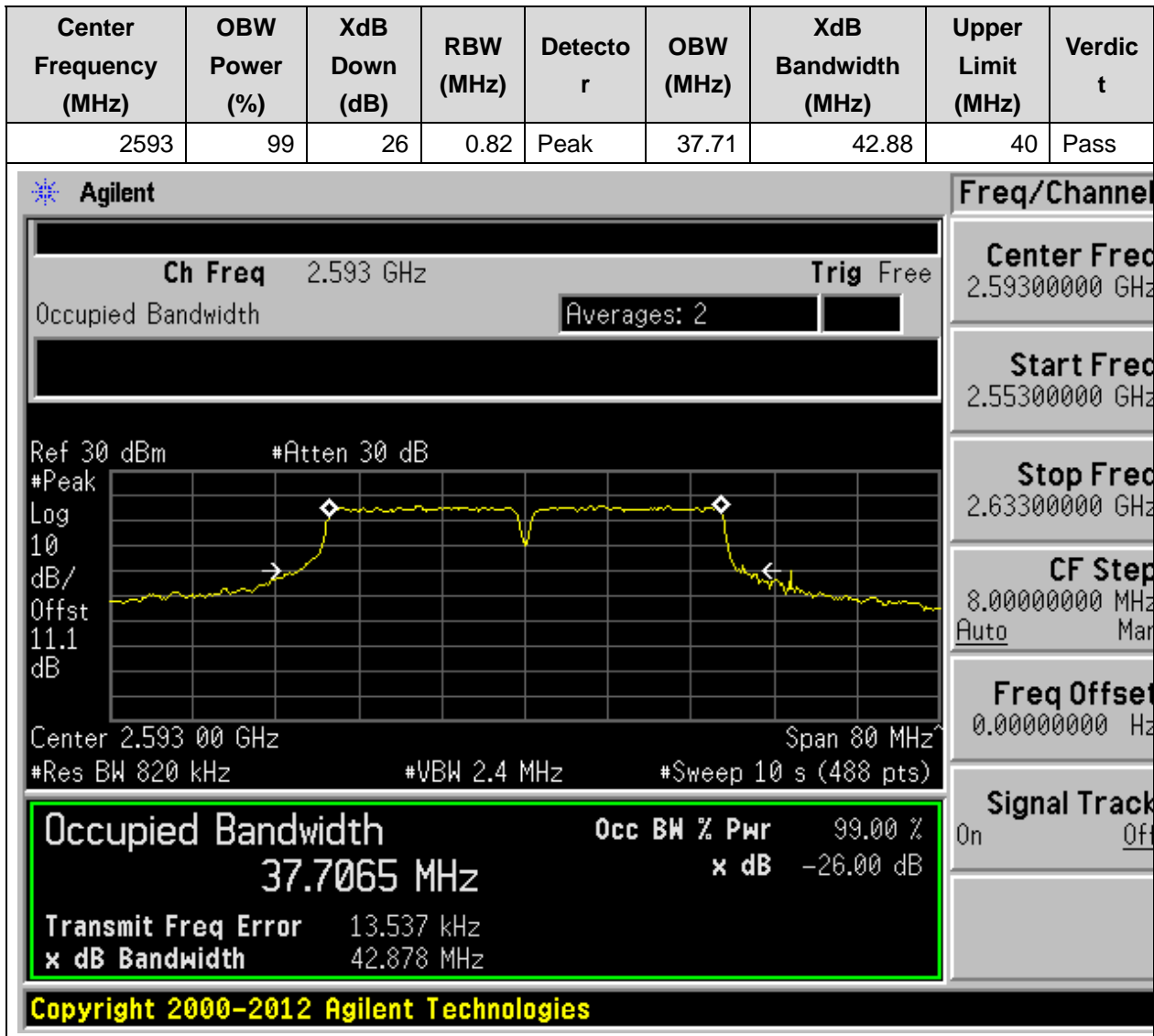
Stop Freq 2.62790000 GHz

CF Step 7.00000000 MHz
Auto Man

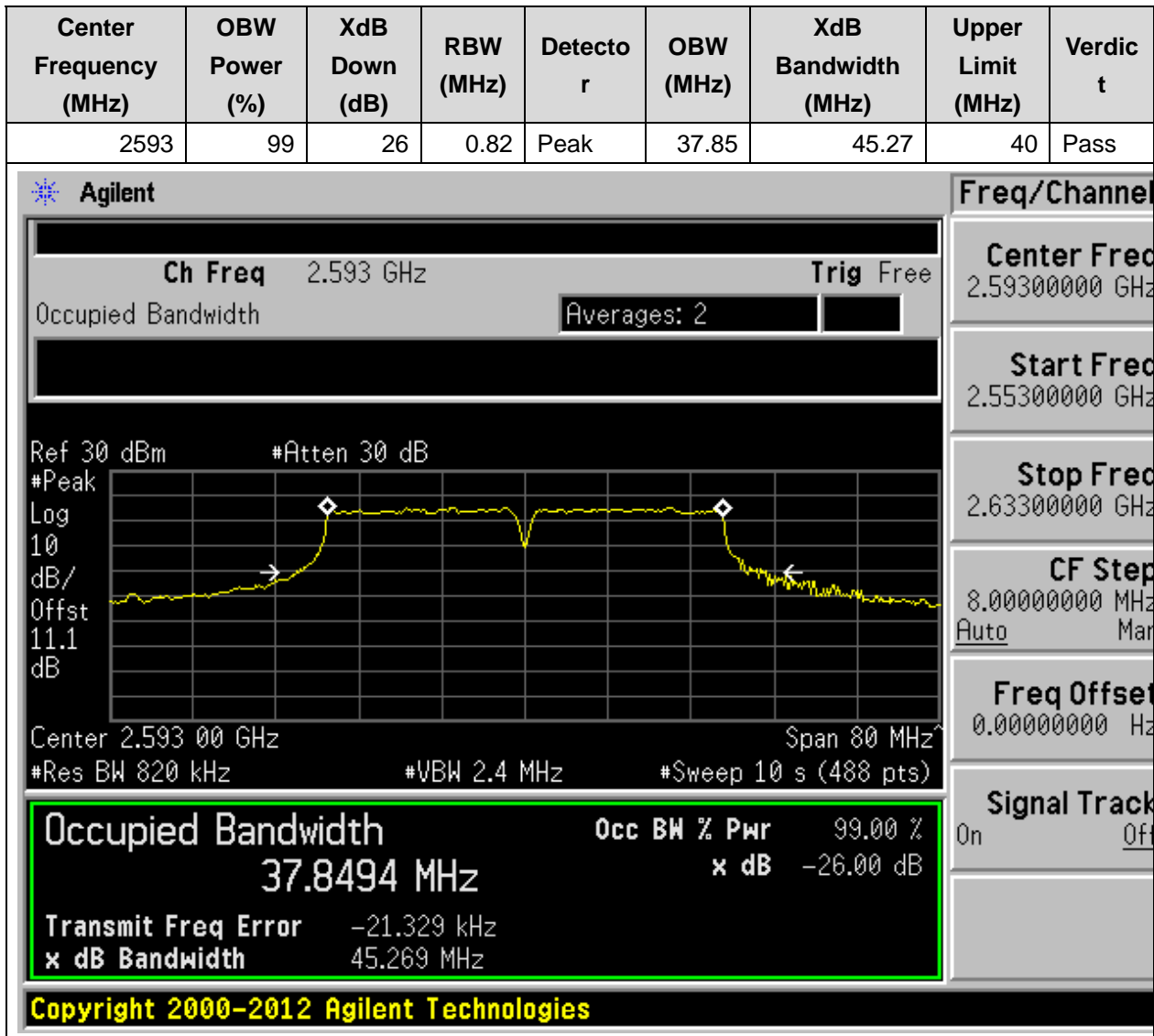
Freq Offset 0.00000000 Hz

Signal Track On Off

21.15. CA Occupied Bandwidth(NTNV)(Subtest:15, Channel:40521+40719, Bandwidth:20+20, Modulation:QPSK, RB Number:Full+Full, RB Position:Low+Low)



21.16. CA Occupied Bandwidth(NTNV)(Subtest:16, Channel:40521+40719, Bandwidth:20+20, Modulation:16QAM, RB Number:Full+Full, RB Position:Low+Low)



END