

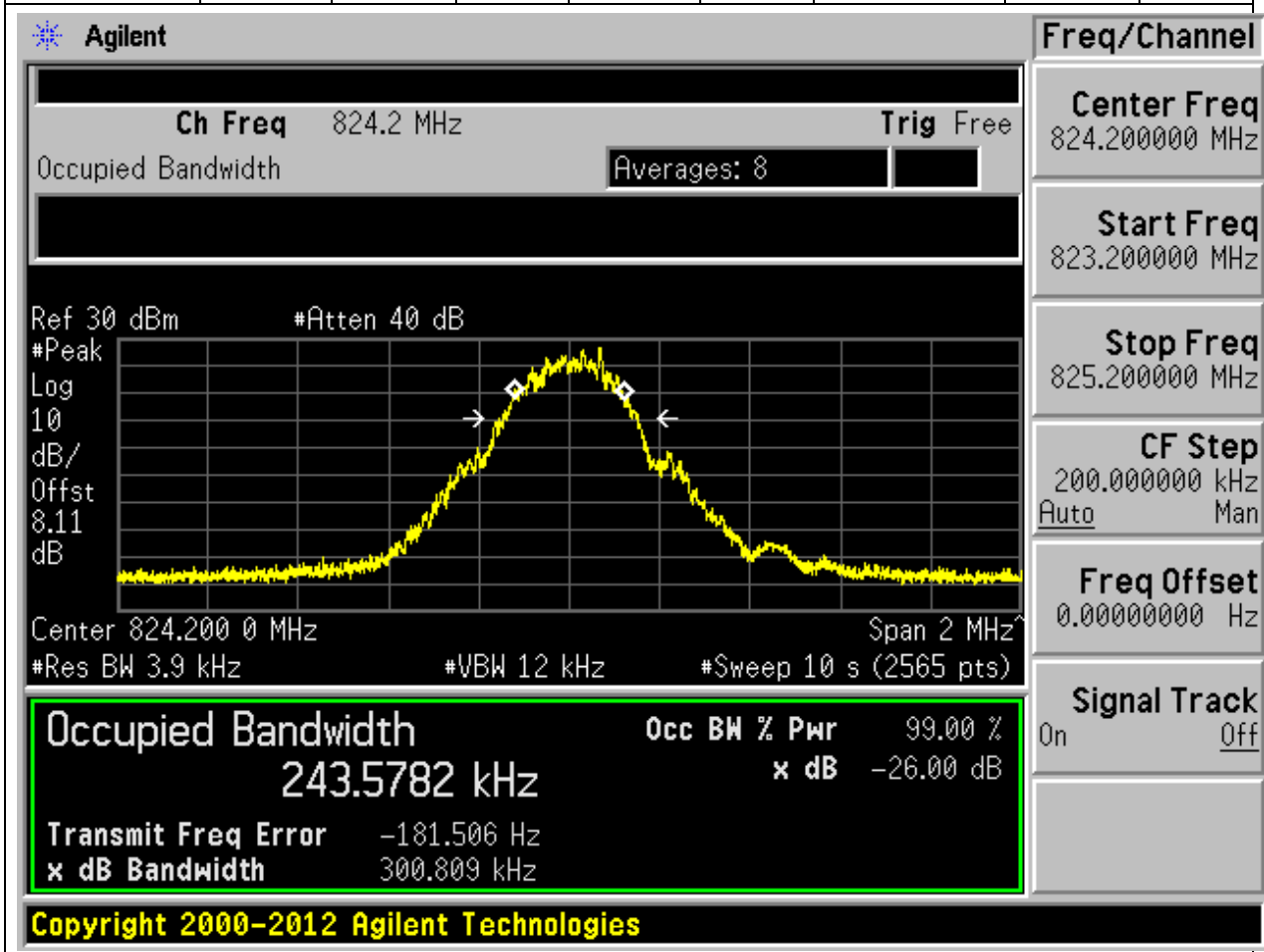
## Annex A.3 Occupied Bandwidth

# GSM

## 1. GSM\_GSM850

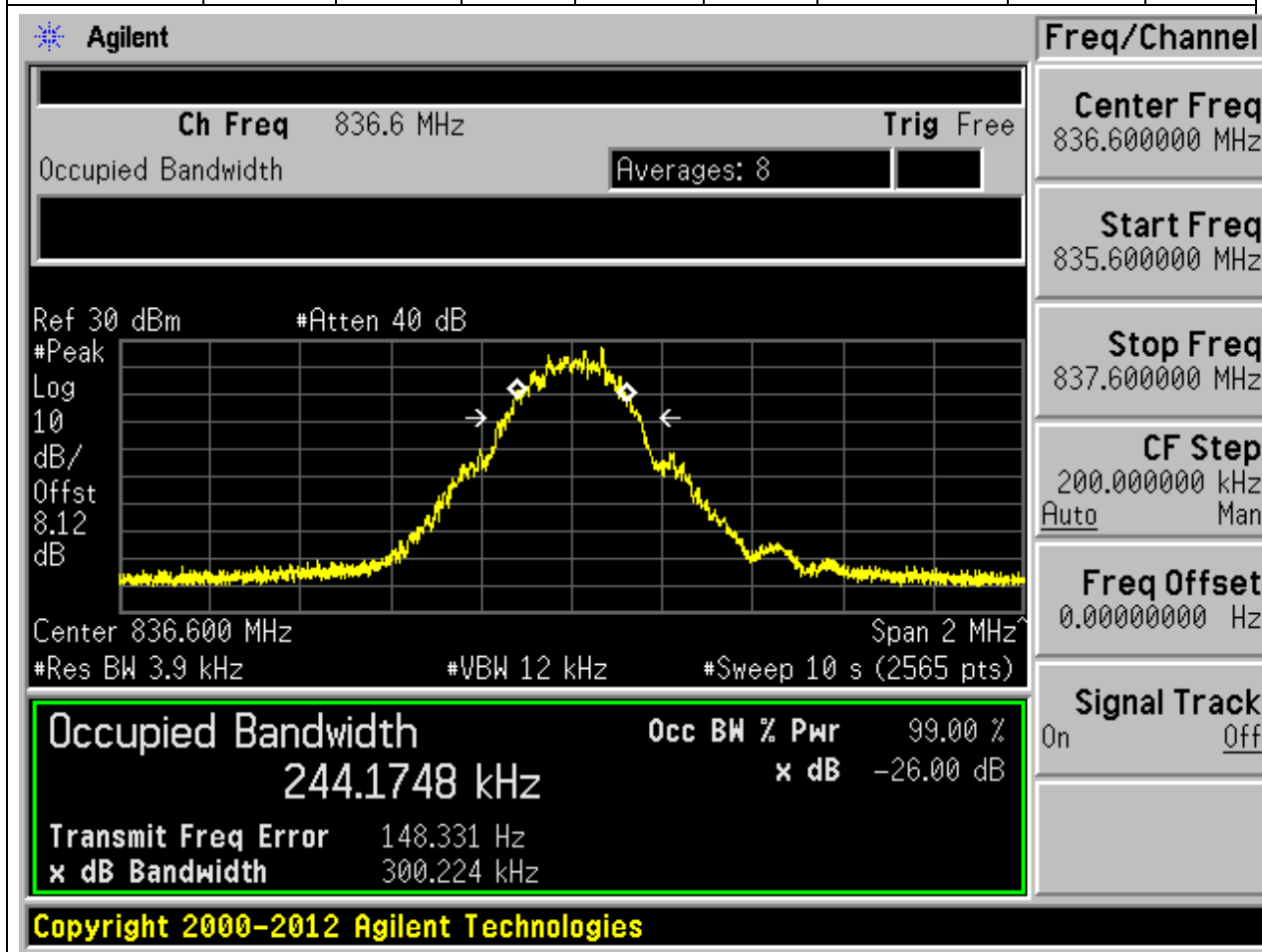
### 1.1. GSM Occupied Bandwidth(NTNV)(Channel:128)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
824.2	99	26	0.004	Peak	0.24	0.3	0.3	Pass



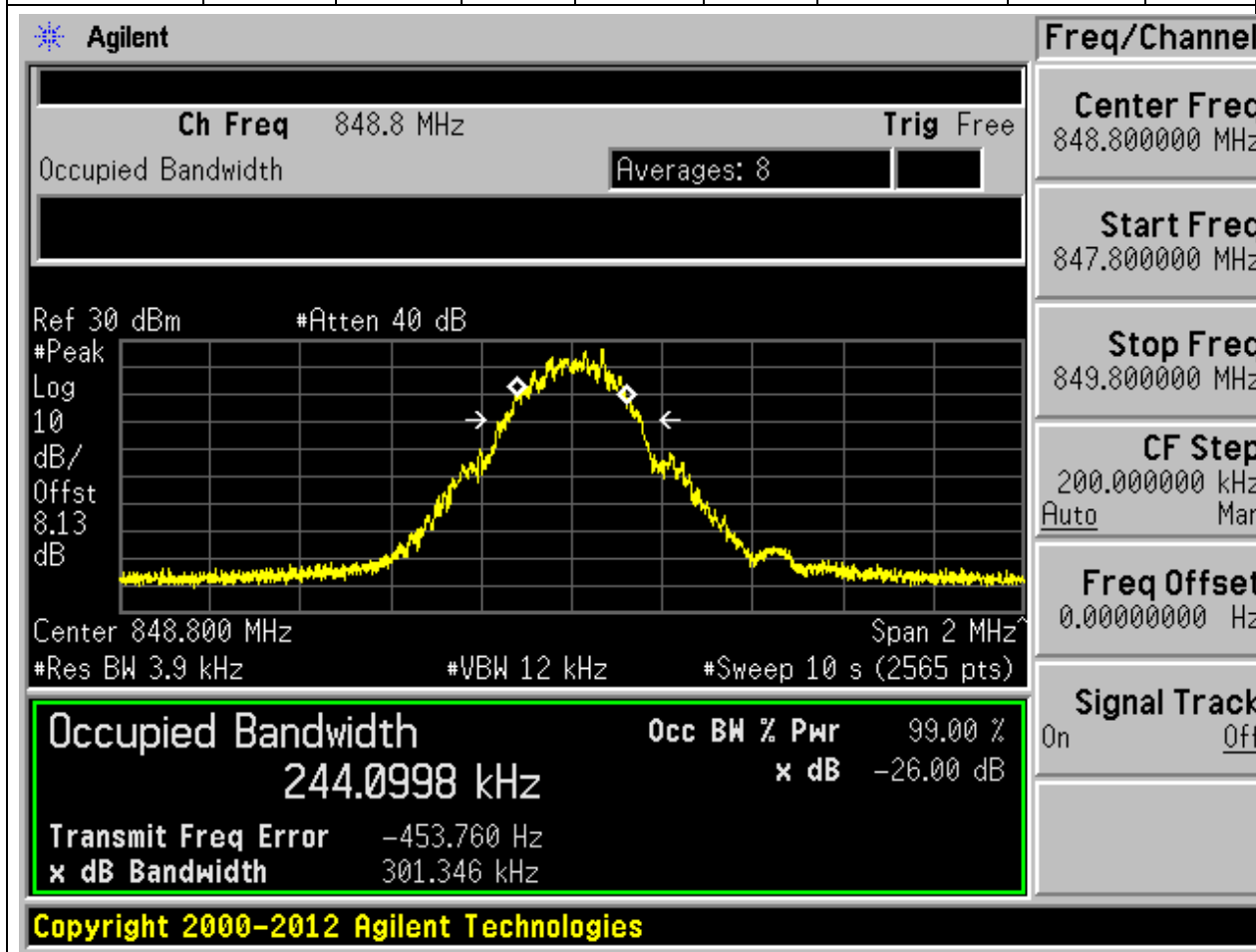
## 1.2. GSM Occupied Bandwidth(NTNV)(Channel:190)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.6	99	26	0.004	Peak	0.24	0.3	0.3	Pass



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

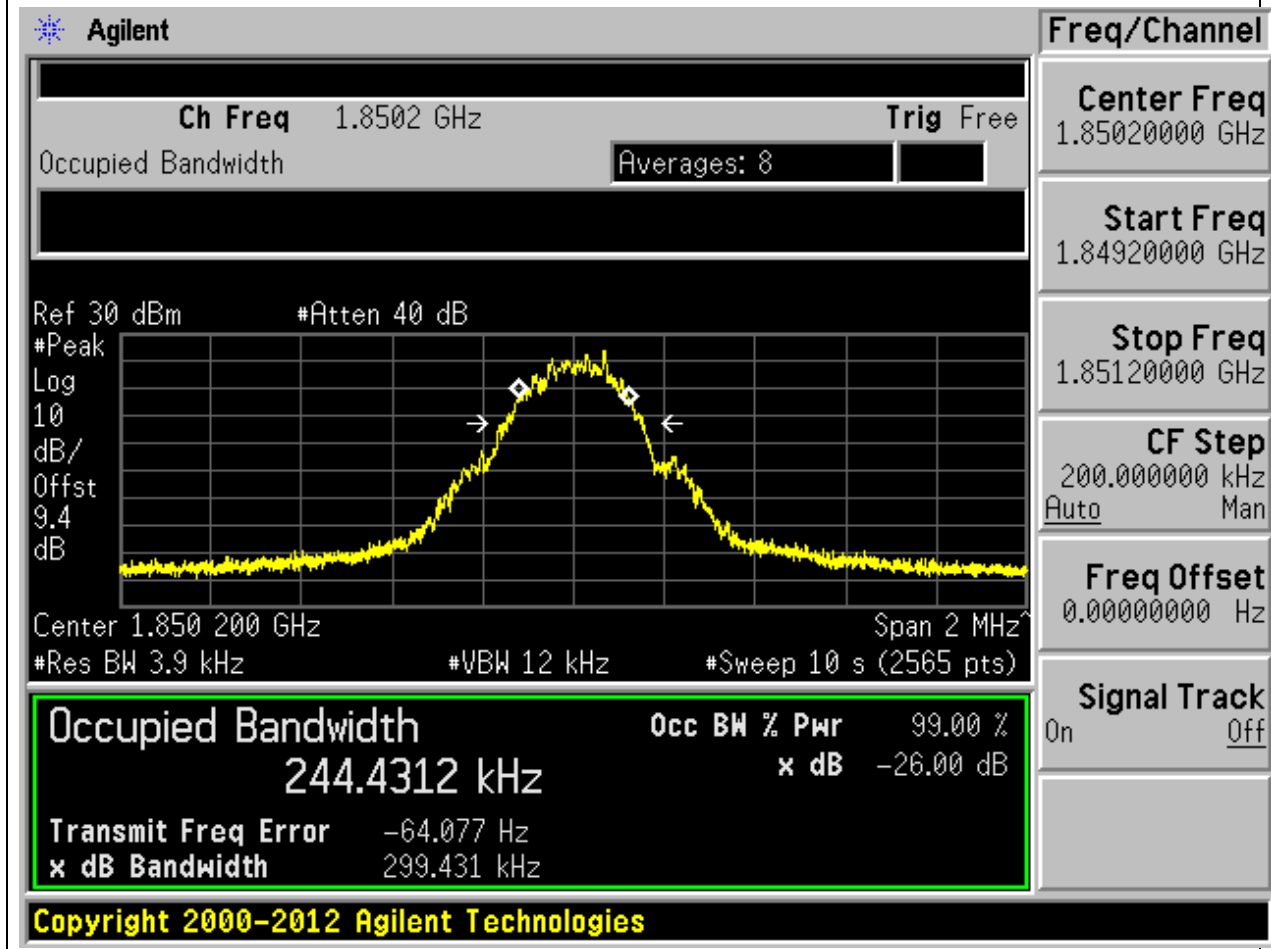
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
848.8	99	26	0.004	Peak	0.24	0.3	0.3	Pass



## 2. GSM\_PCS

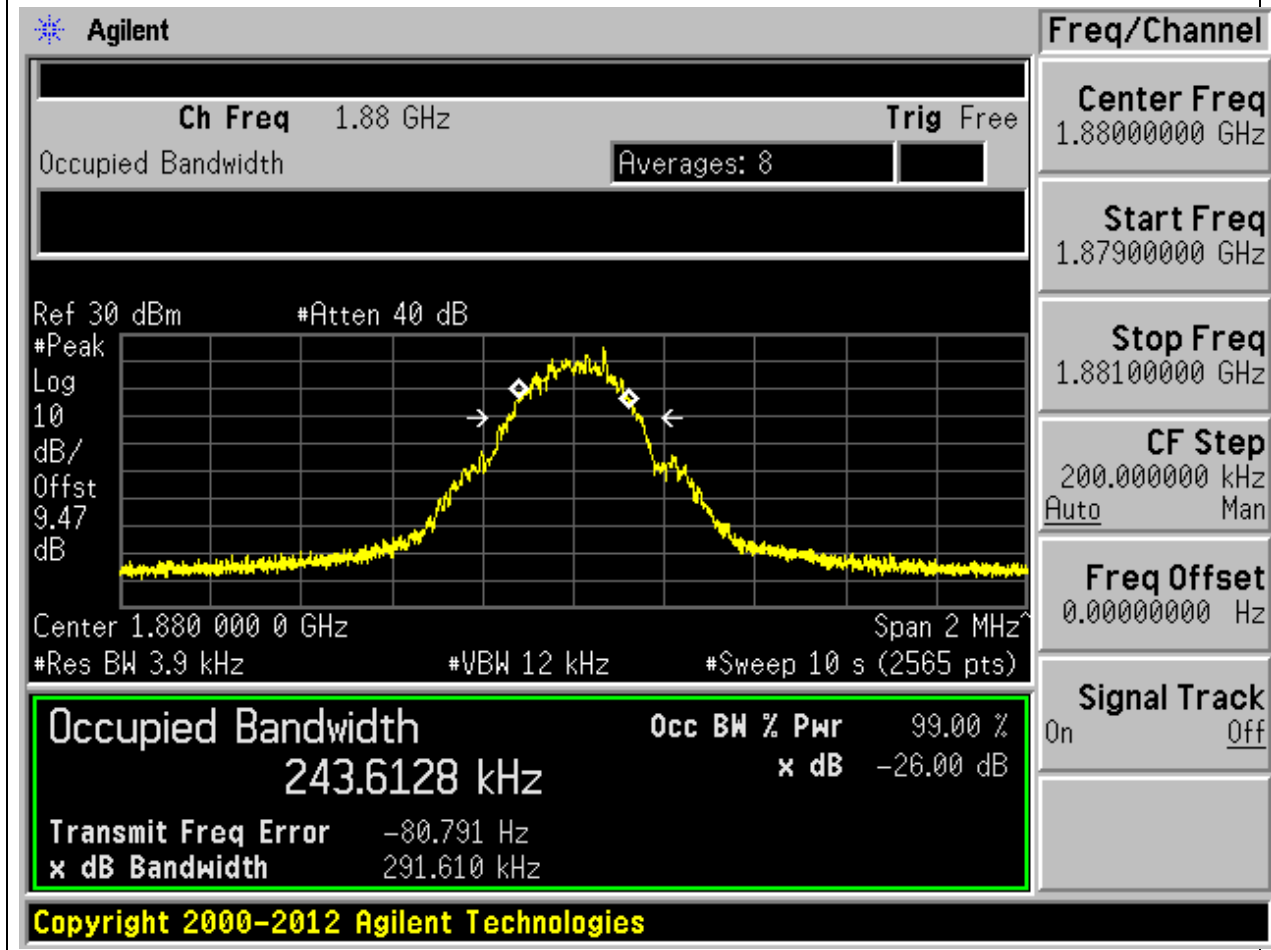
### 2.1. GSM Occupied Bandwidth(NTNV)(Channel:512)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1850.2	99	26	0.004	Peak	0.24	0.3	0.3	Pass



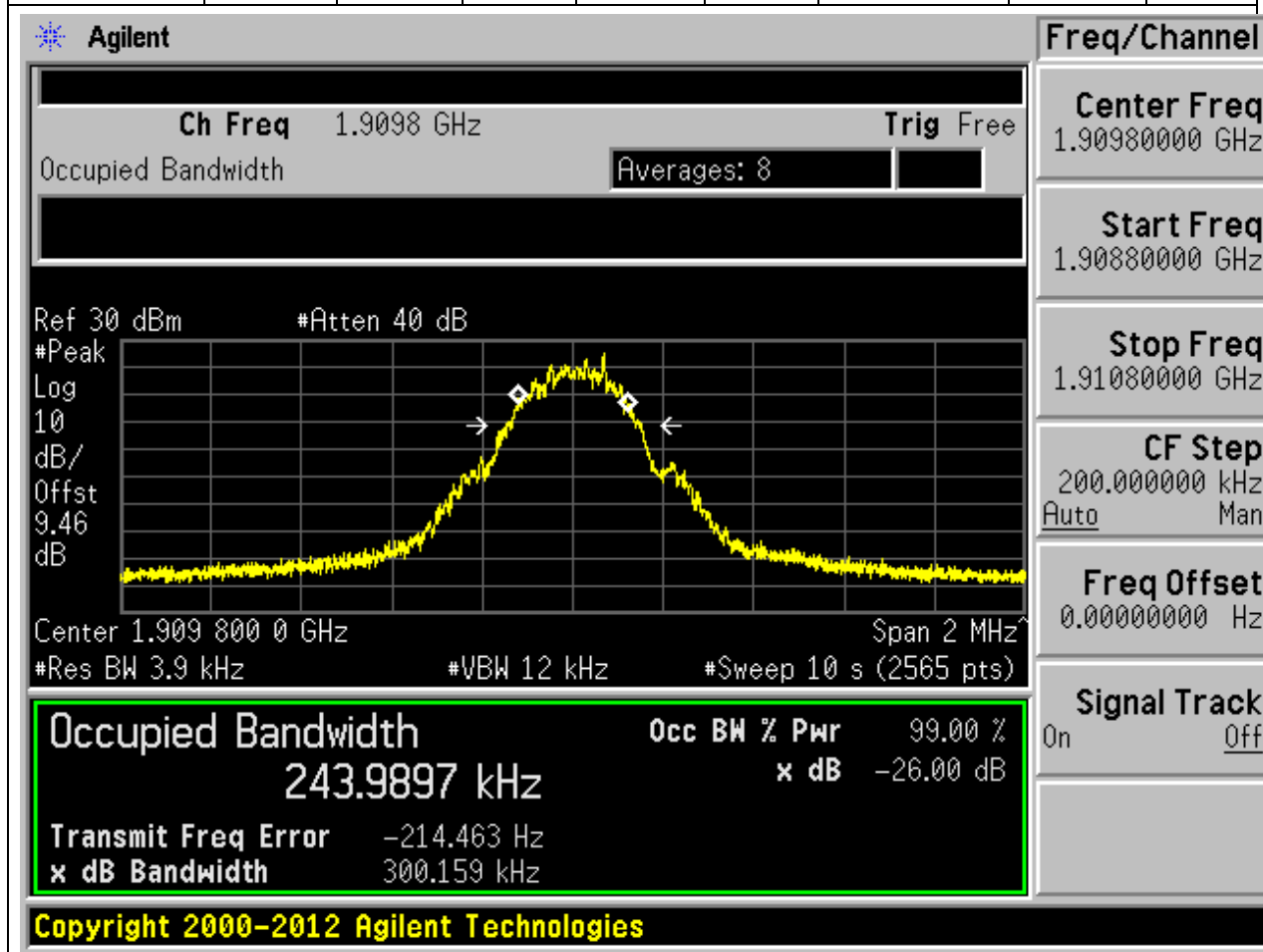
## 2.2. GSM Occupied Bandwidth(NTNV)(Channel:661)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	0.004	Peak	0.24	0.29	0.3	Pass



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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1909.8	99	26	0.004	Peak	0.24	0.3	0.3	Pass

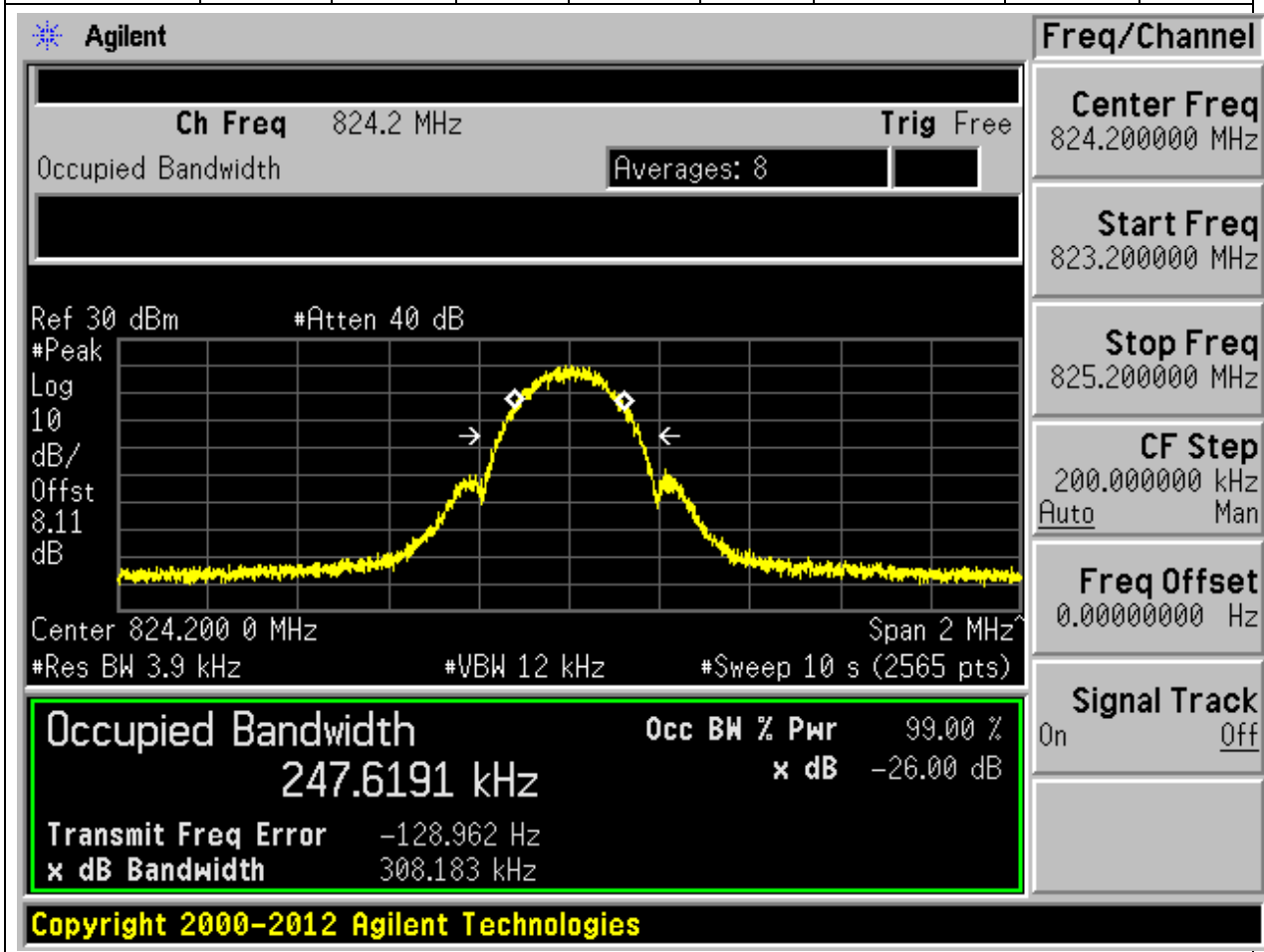


## EGPRS

### 3. EGPRS\_GSM850

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

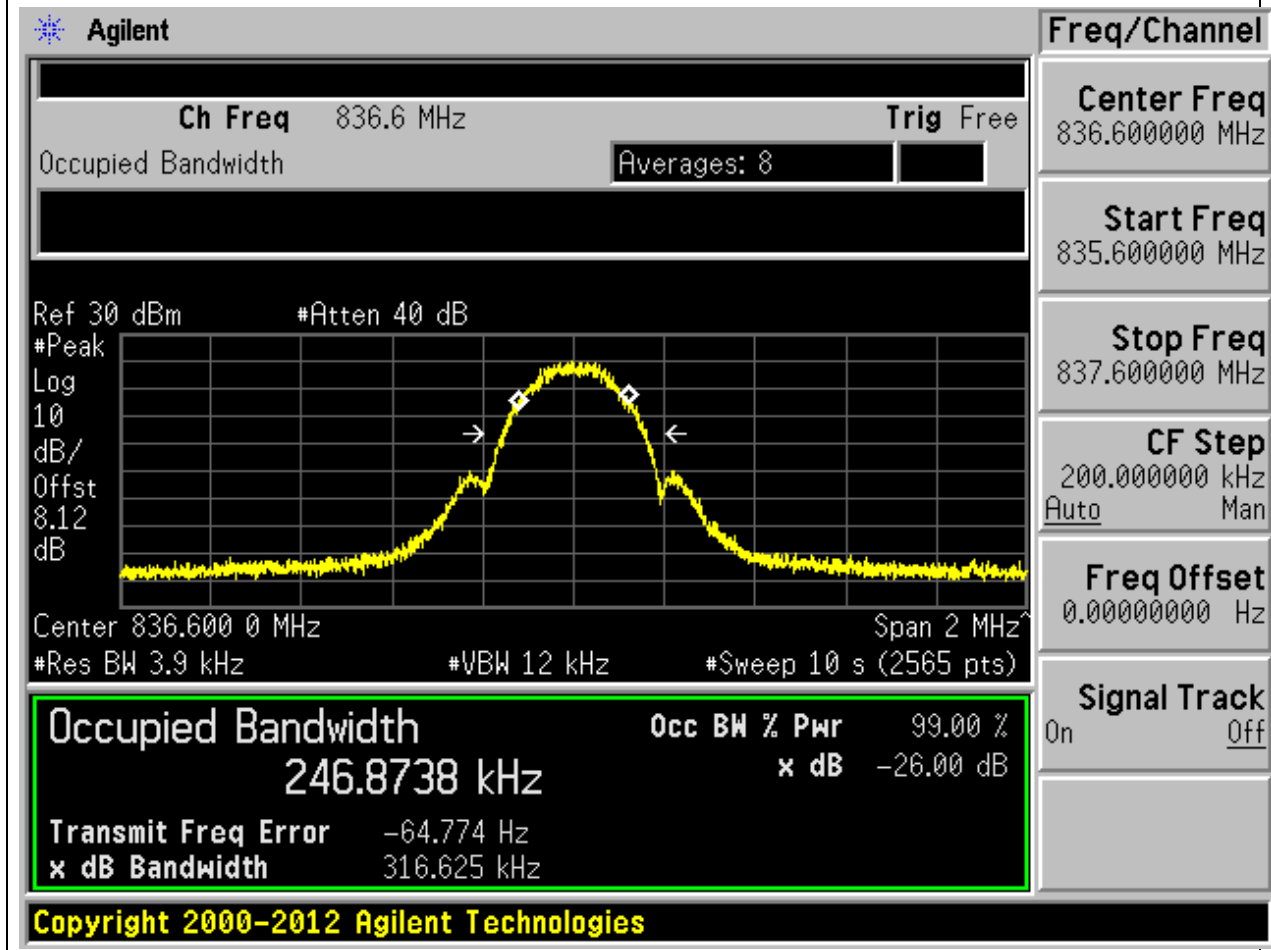
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
824.2	99	26	0.004	Peak	0.25	0.31	0.3	Pass





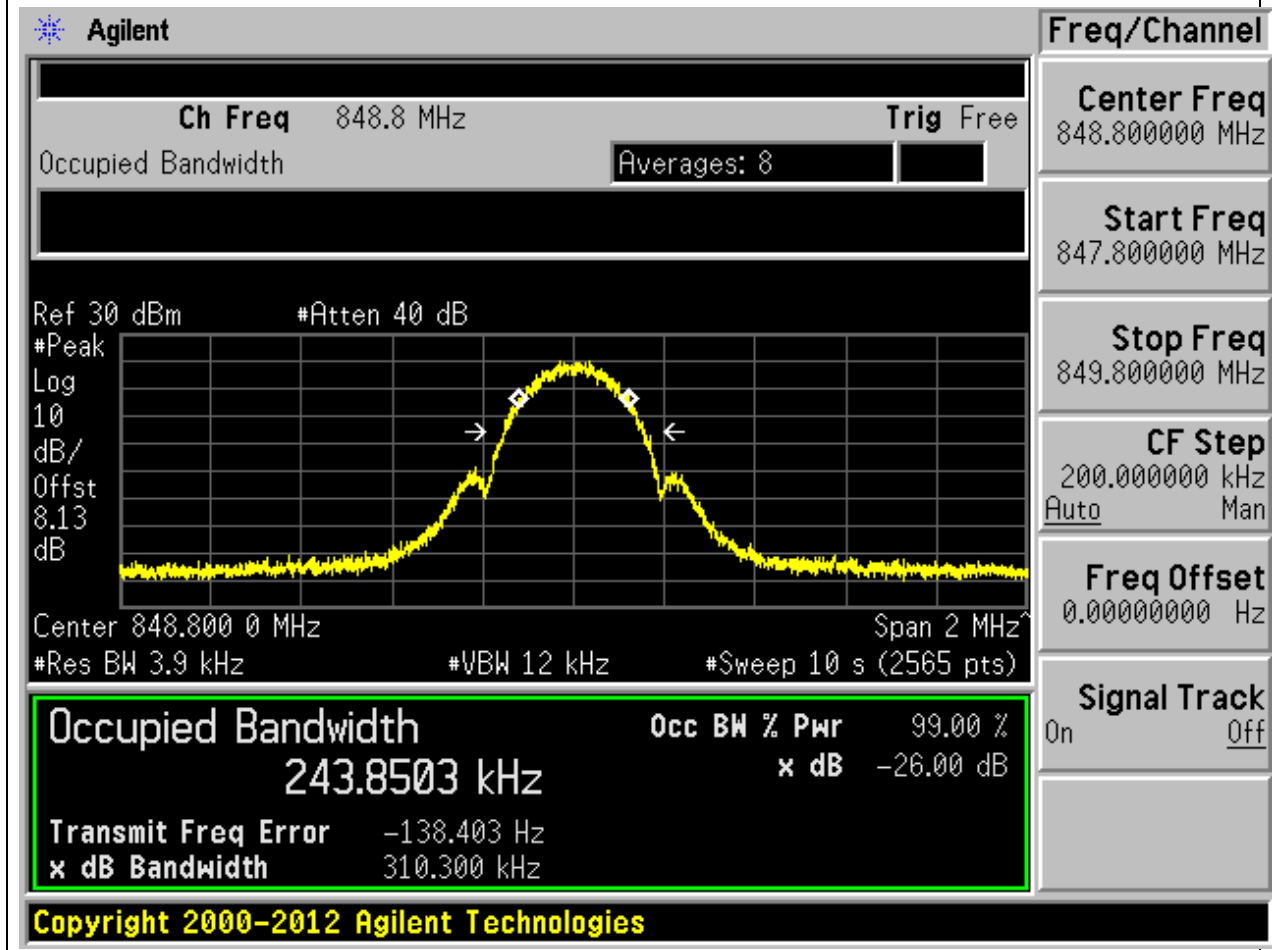
### 3.2. EGPRS Occupied Bandwidth(NTNV)(Channel:190)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.6	99	26	0.004	Peak	0.25	0.32	0.3	Pass



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

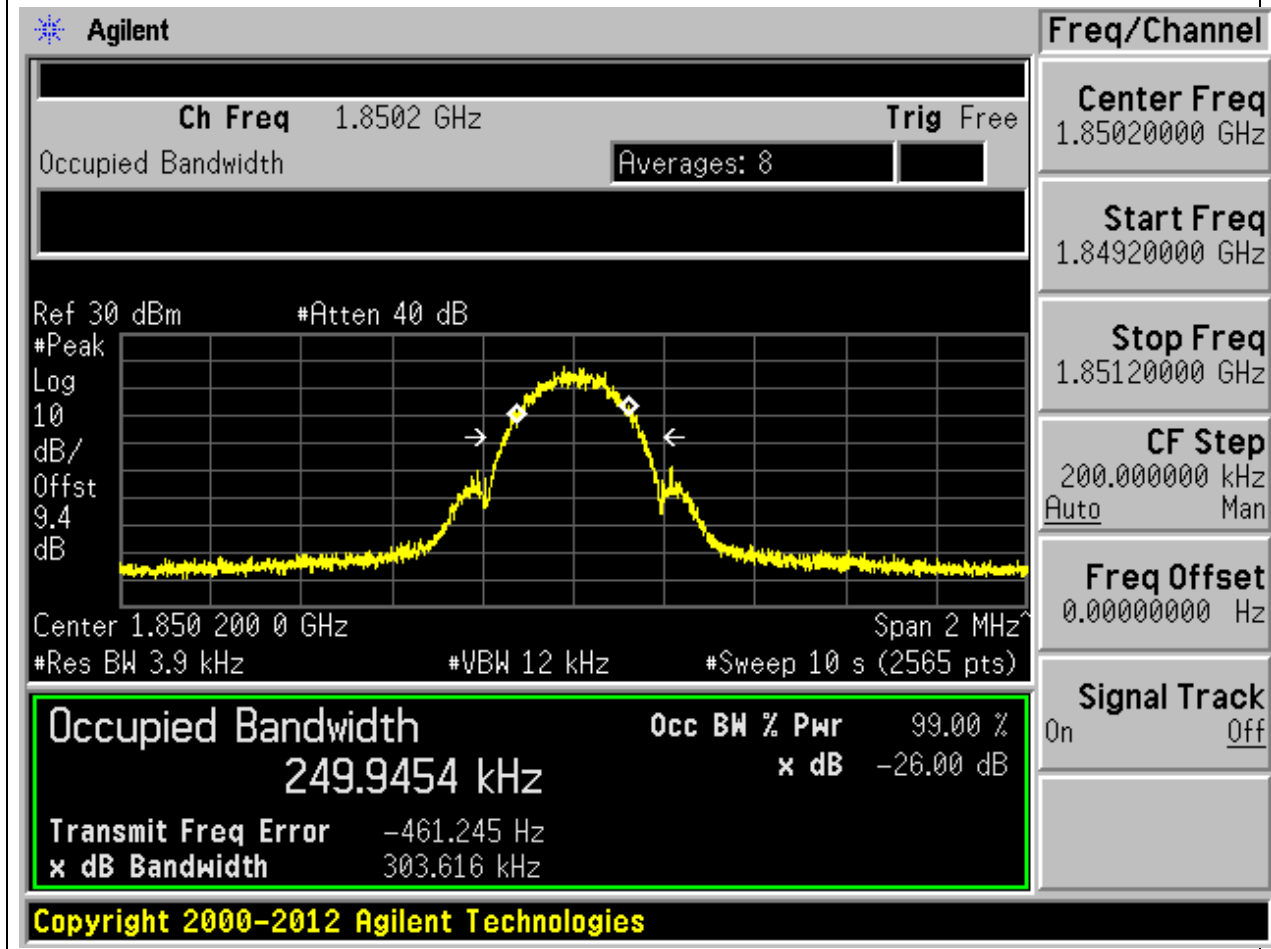
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
848.8	99	26	0.004	Peak	0.24	0.31	0.3	Pass



## 4. EGPRS\_PCS

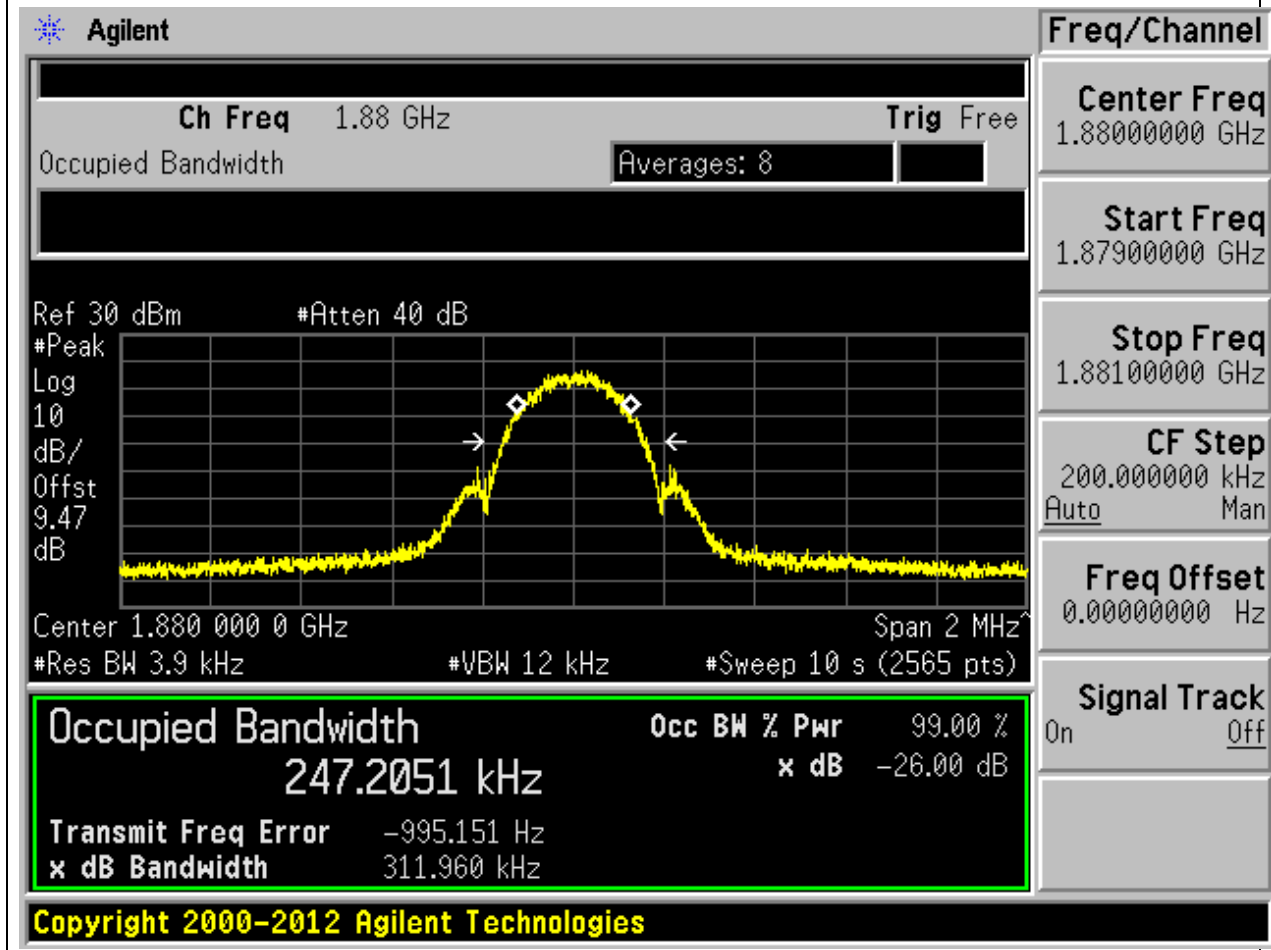
### 4.1. EGPRS Occupied Bandwidth(NTNV)(Channel:512)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1850.2	99	26	0.004	Peak	0.25	0.3	0.3	Pass



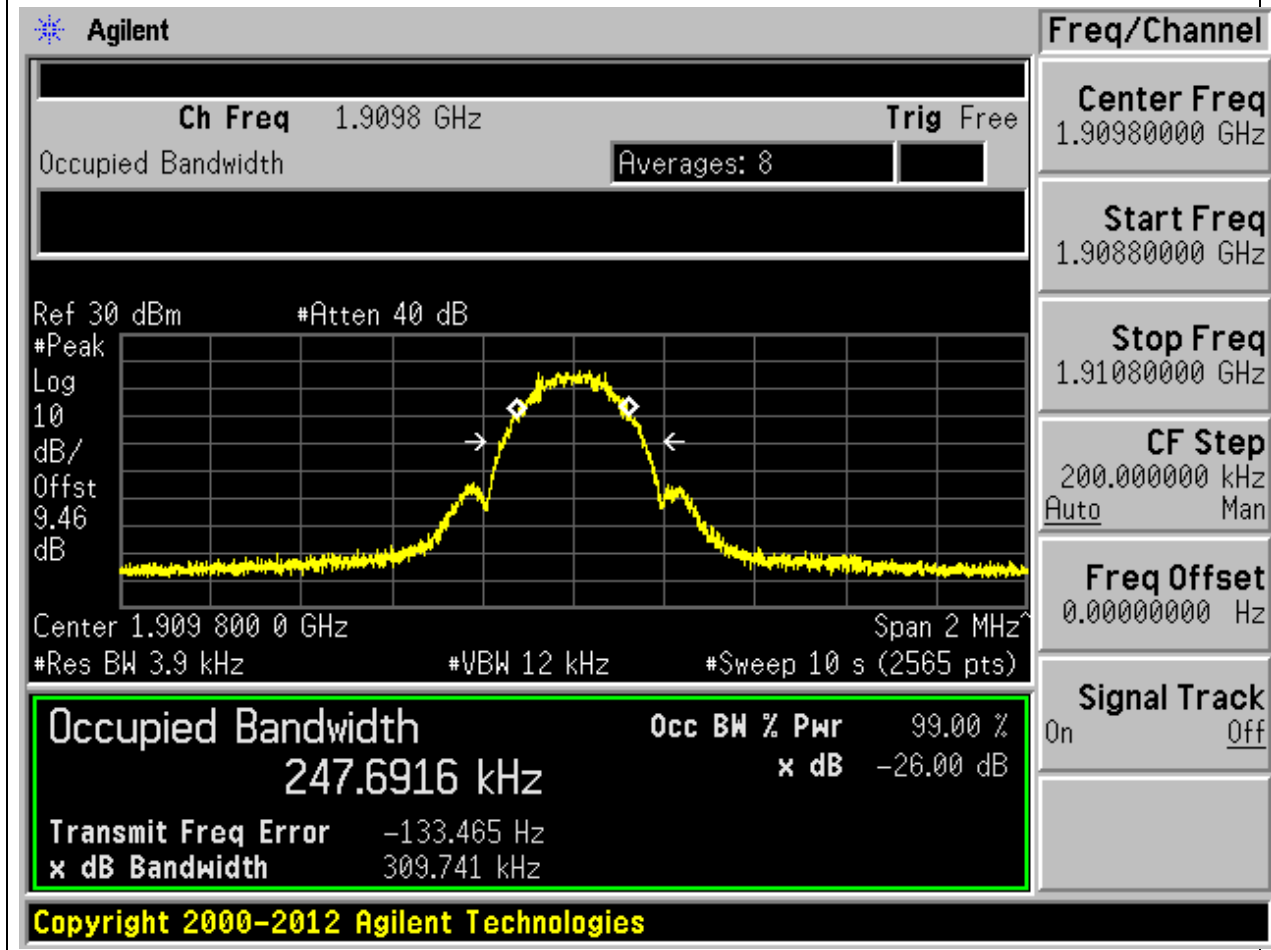
#### 4.2. EGPRS Occupied Bandwidth(NTNV)(Channel:661)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	0.004	Peak	0.25	0.31	0.3	Pass



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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1909.8	99	26	0.004	Peak	0.25	0.31	0.3	Pass

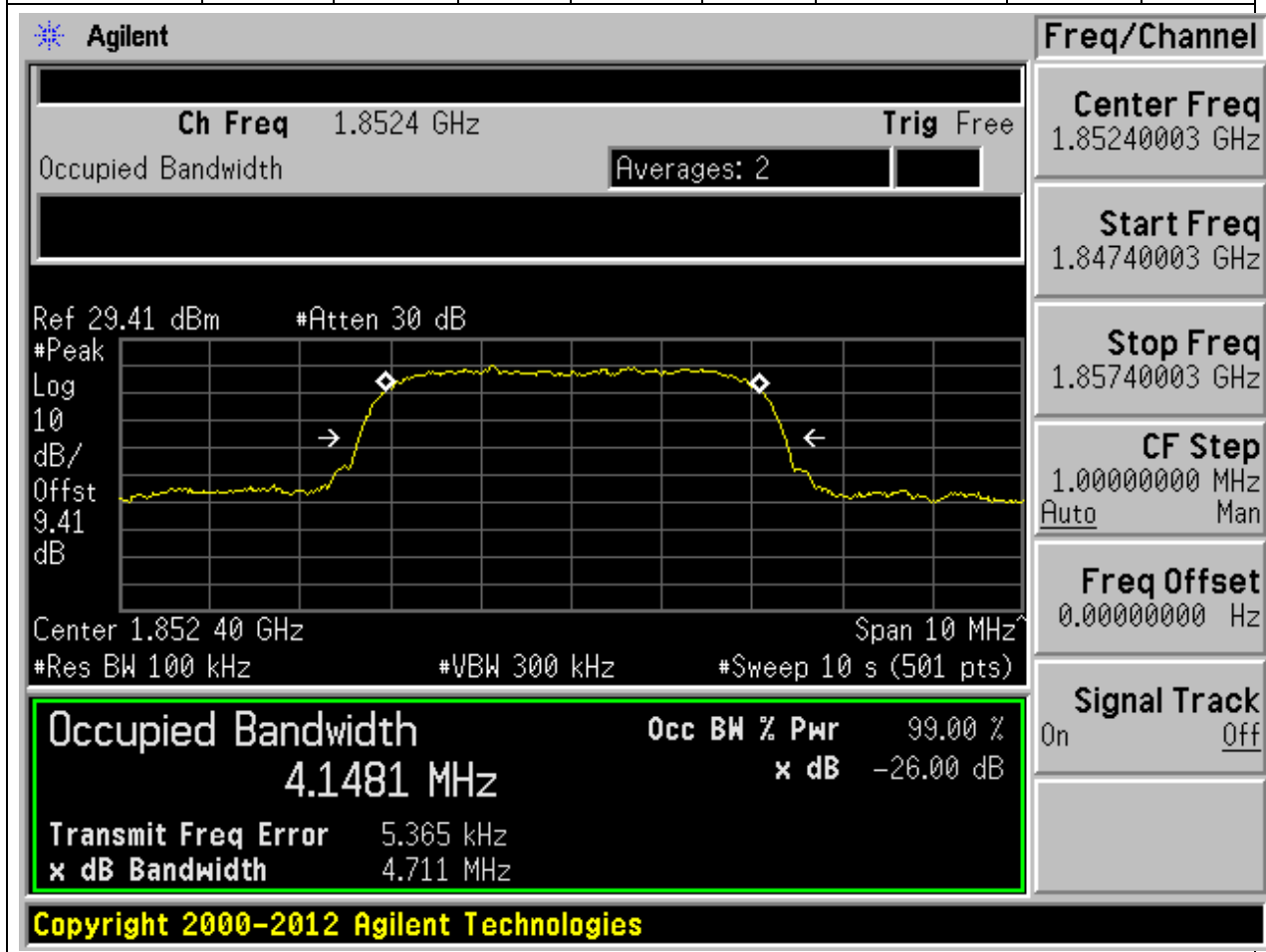


## WCDMA

### 5. WCDMA\_Band2

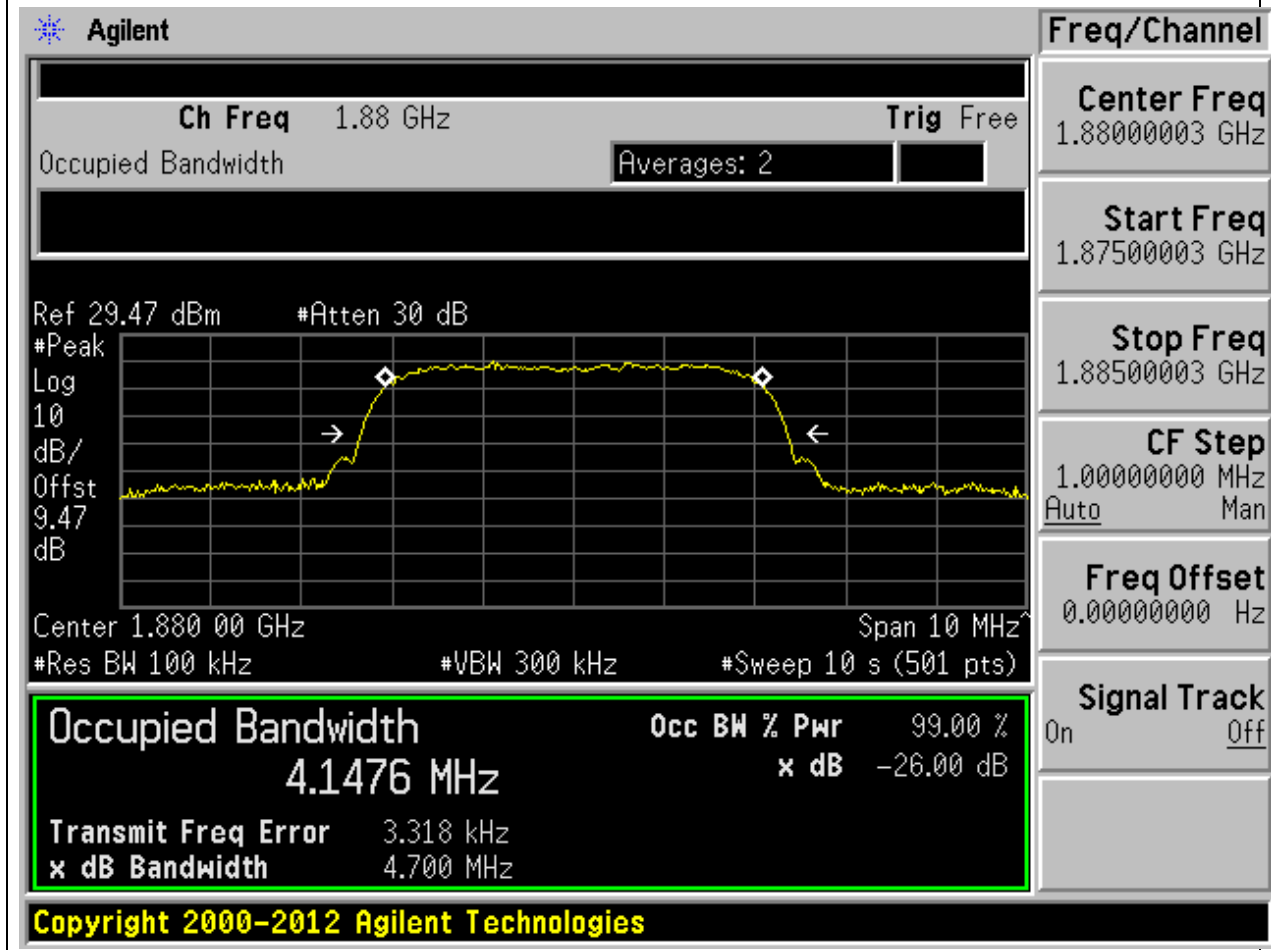
#### 5.1. WCDMA Occupied Bandwidth(NTNV)(Channel:9262)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1852.4	99	26	0.1	Peak	4.15	4.71	5	Pass



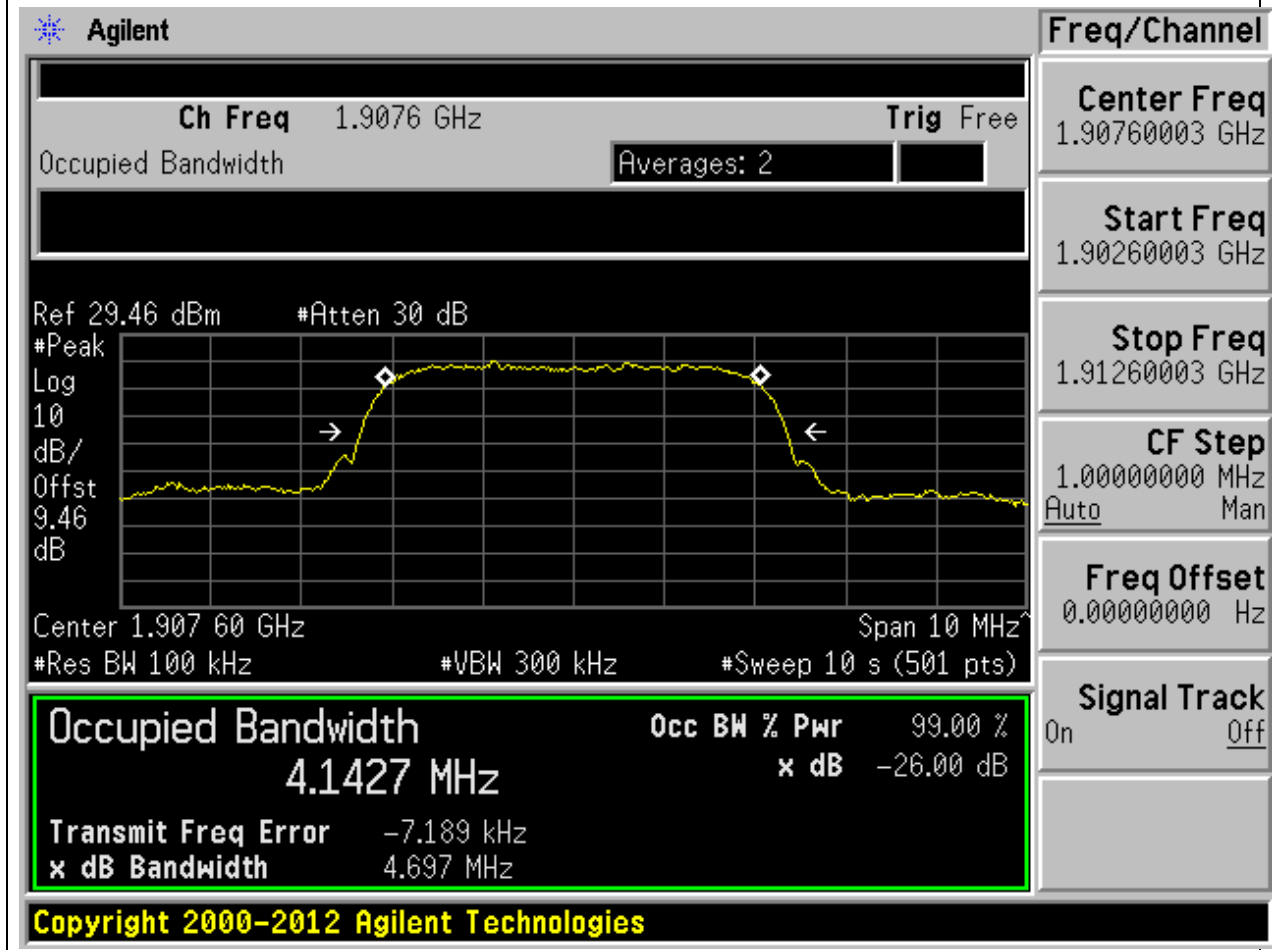
## 5.2. WCDMA Occupied Bandwidth(NTNV)(Channel:9400)

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	4.15	4.7	5	Pass



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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1907.6	99	26	0.1	Peak	4.14	4.7	5	Pass

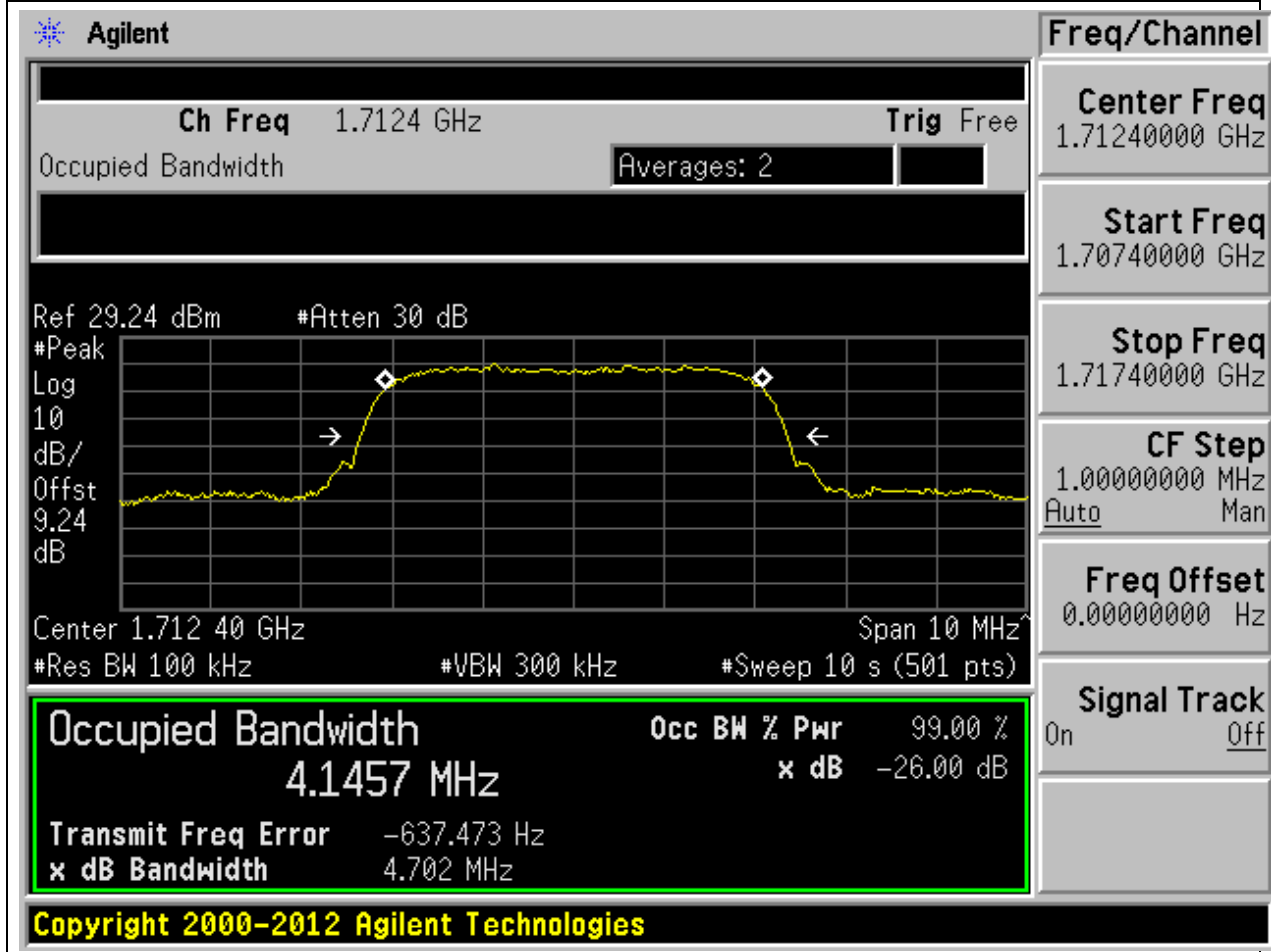




## 6. WCDMA\_Band4

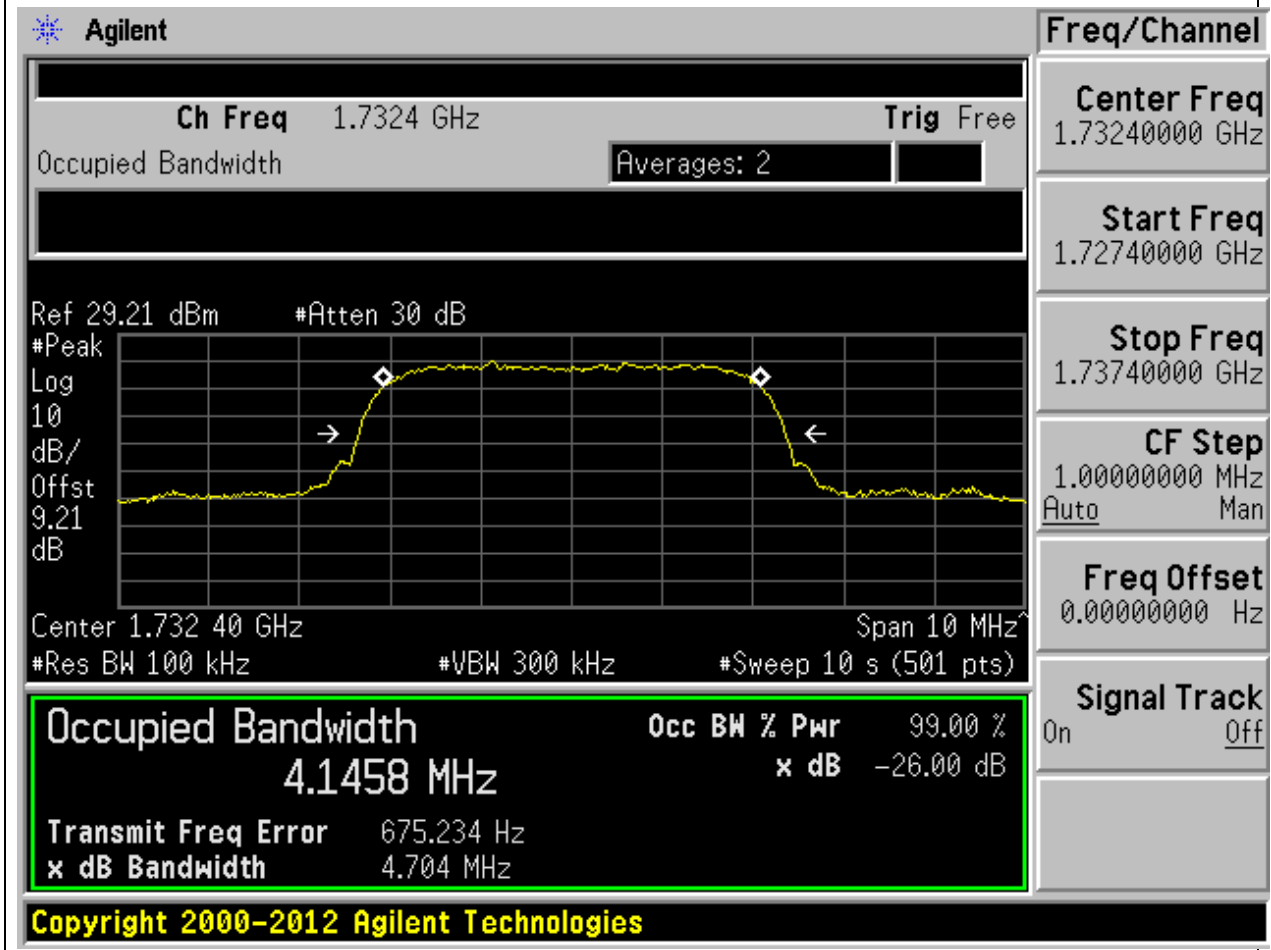
### 6.1. WCDMA Occupied Bandwidth(NTNV)(Channel:1312)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1712.4	99	26	0.1	Peak	4.15	4.7	5	Pass



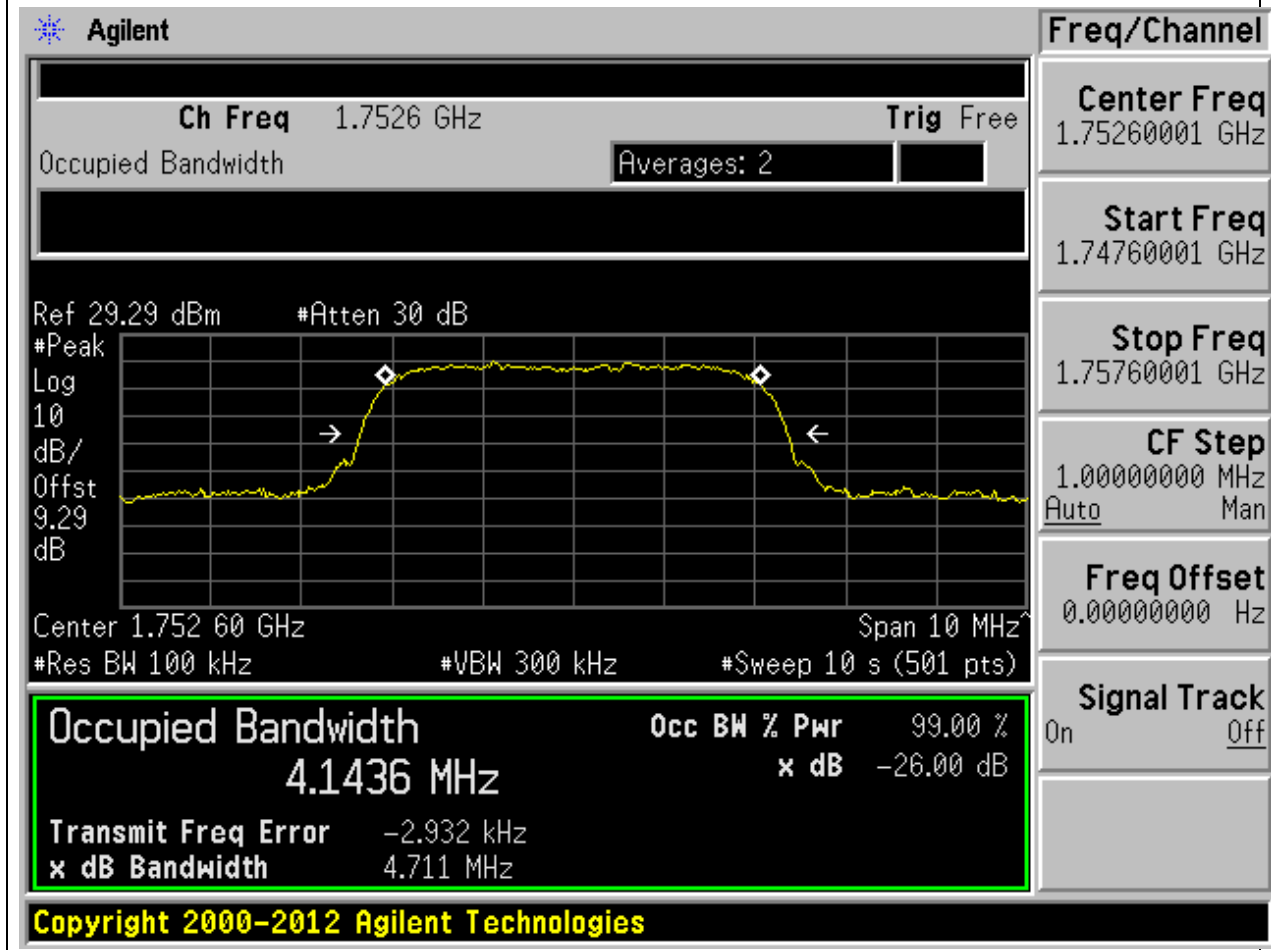
## 6.2. WCDMA Occupied Bandwidth(NTNV)(Channel:1412)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1732.4	99	26	0.1	Peak	4.15	4.7	5	Pass



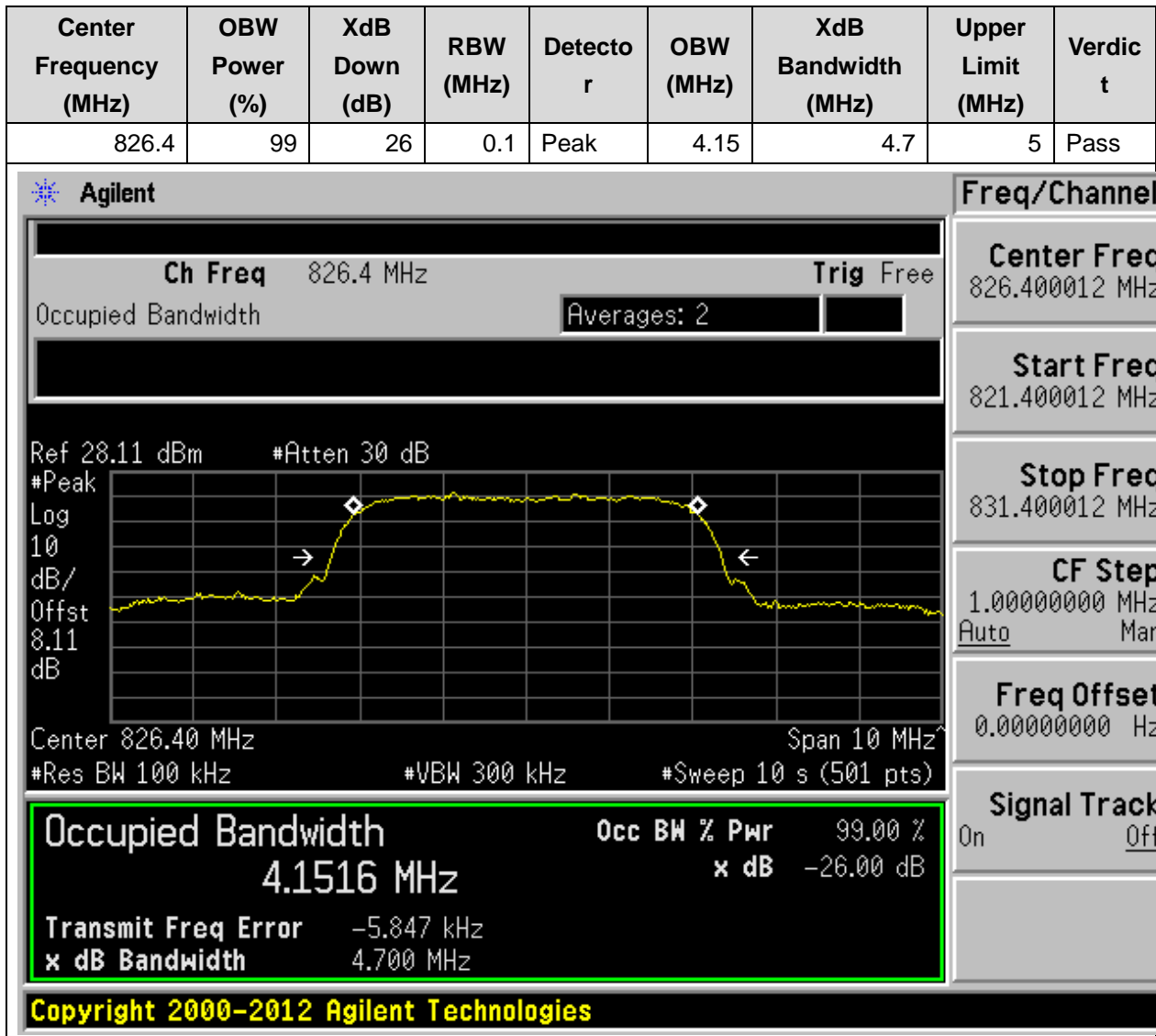
### 6.3. WCDMA Occupied Bandwidth(NTNV)(Channel:1513)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1752.6	99	26	0.1	Peak	4.14	4.71	5	Pass



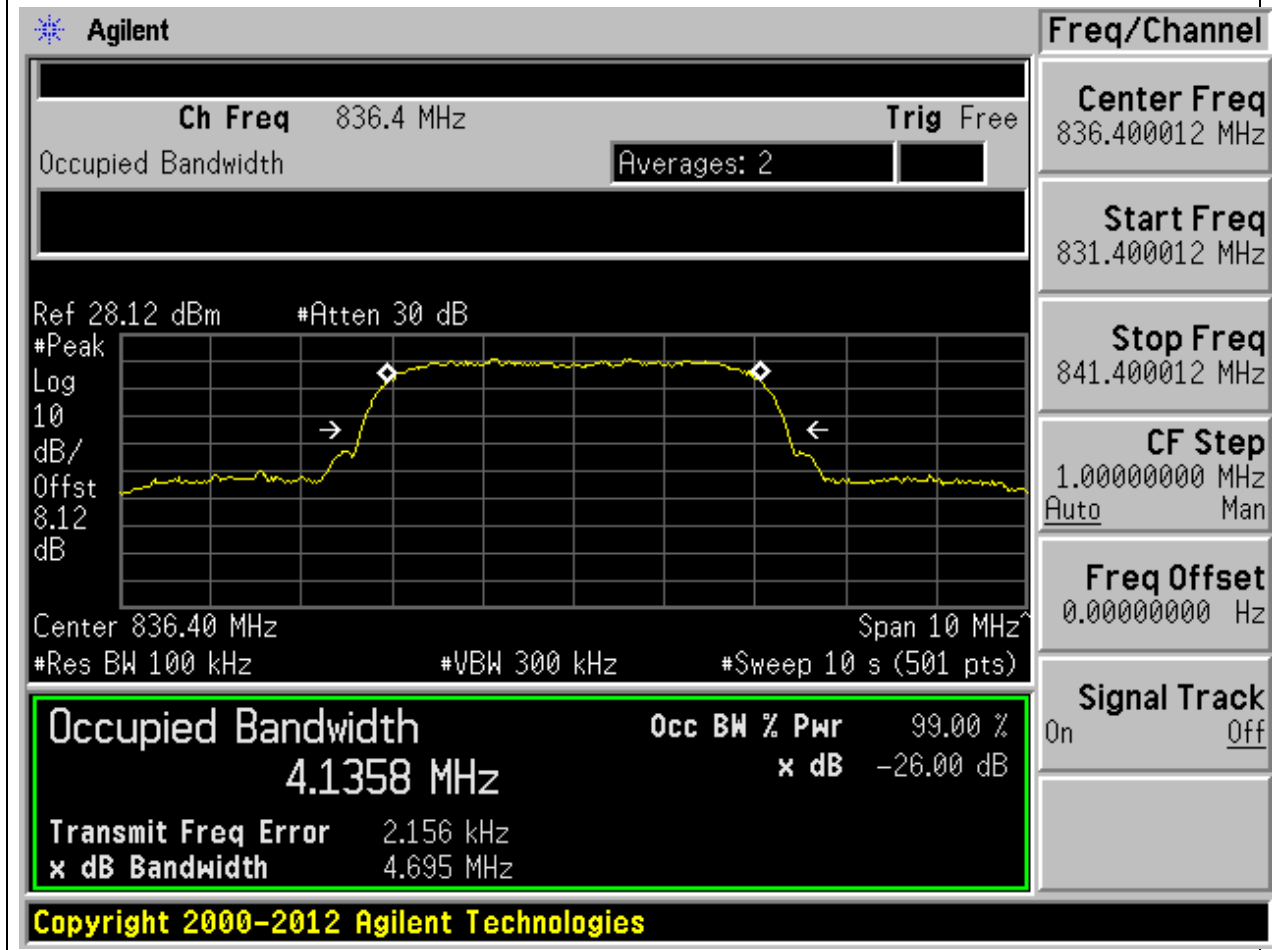
## 7. WCDMA\_Band5

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



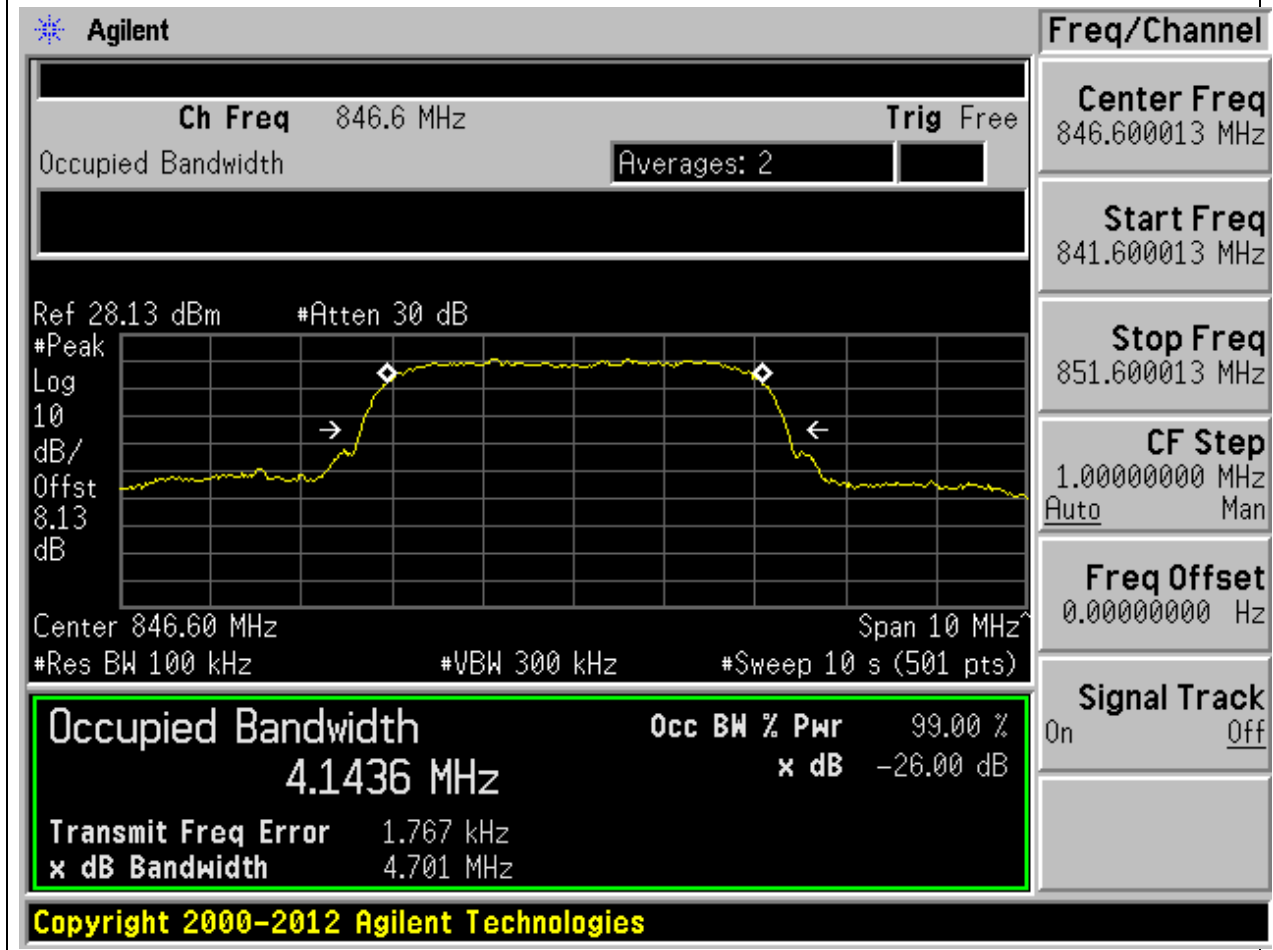
## 7.2. WCDMA Occupied Bandwidth(NTNV)(Channel:4182)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.4	99	26	0.1	Peak	4.14	4.7	5	Pass



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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
846.6	99	26	0.1	Peak	4.14	4.7	5	Pass

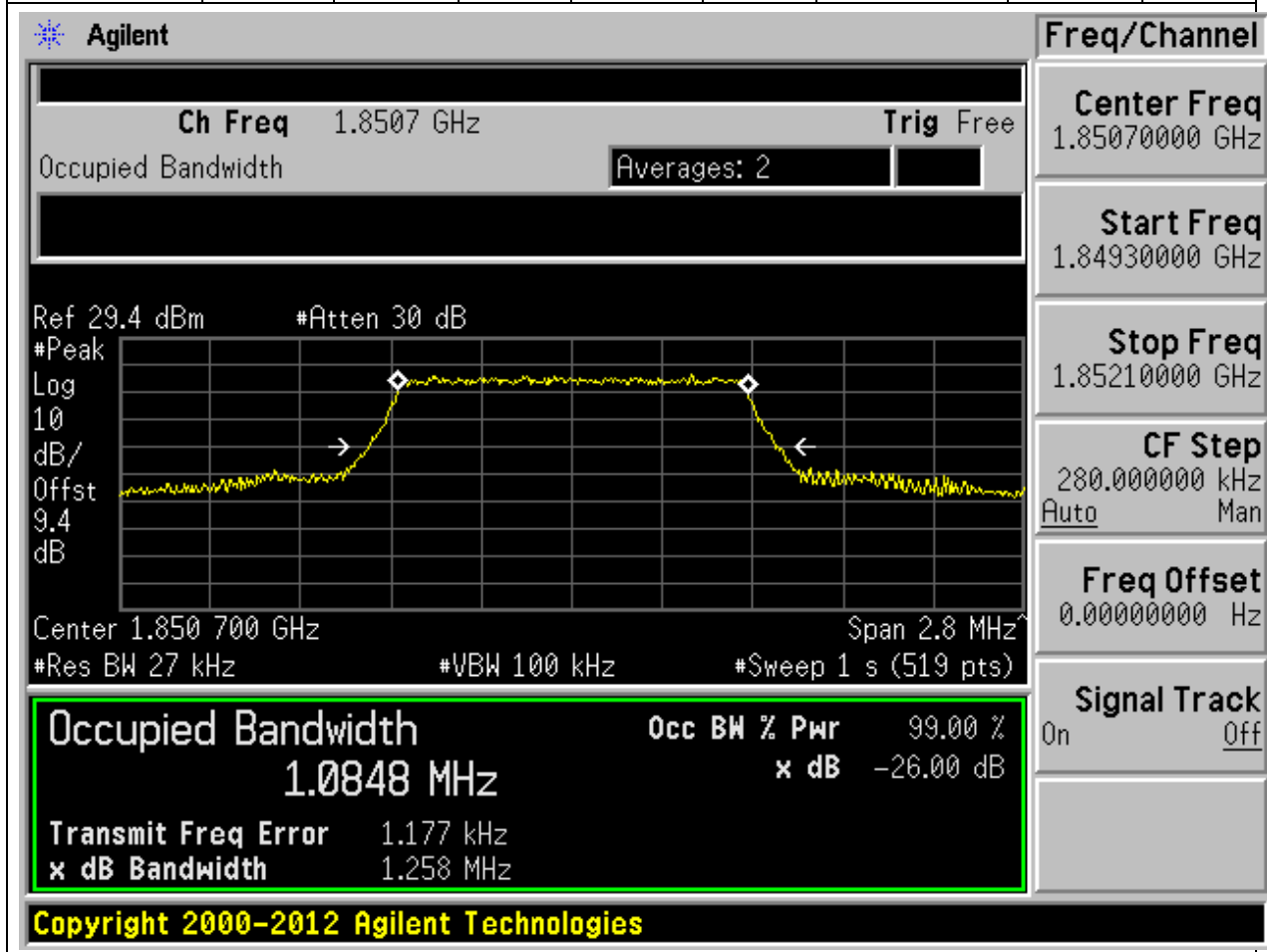


# LTE

## 8. LTE\_Band2

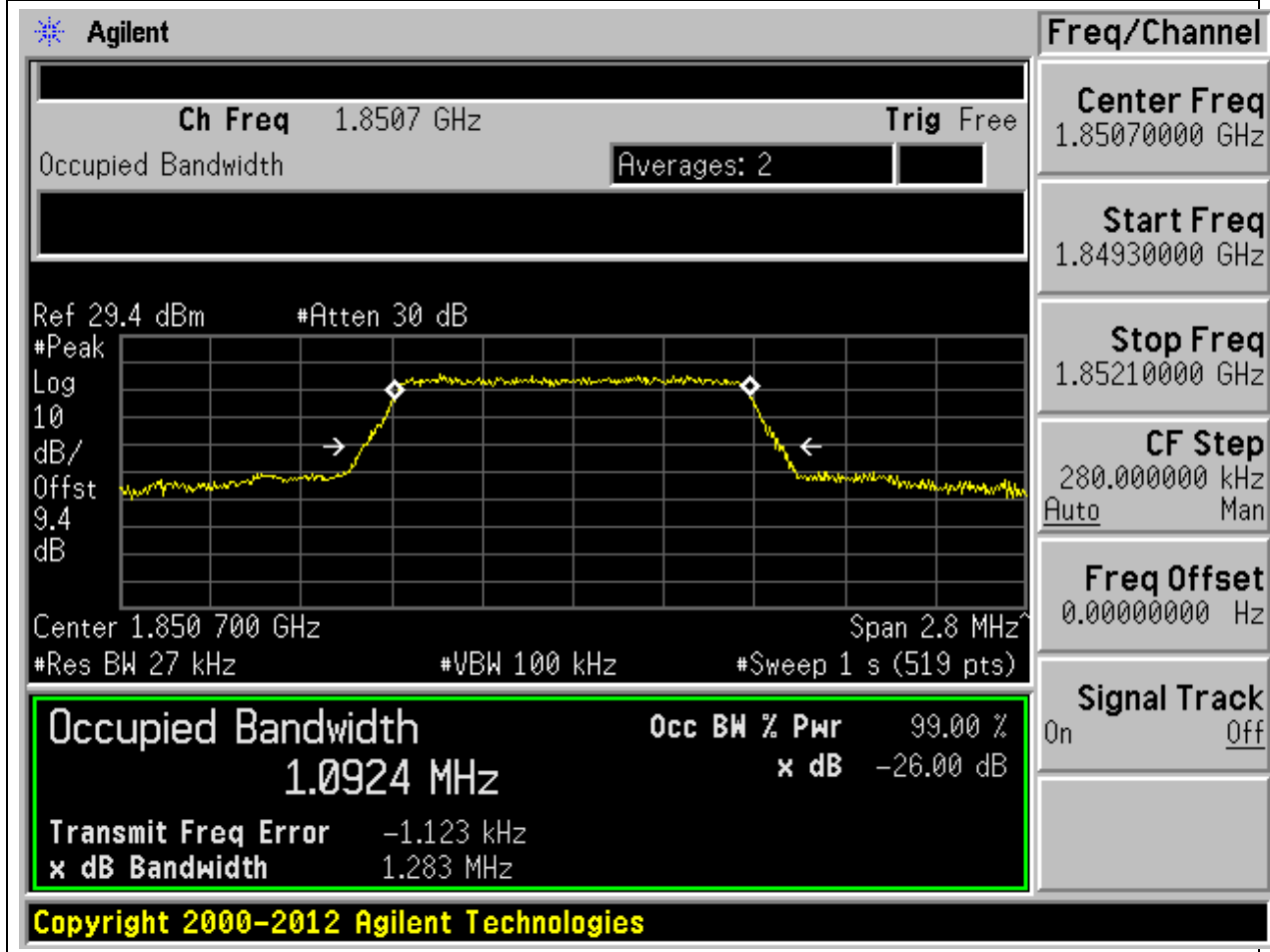
### 8.1. LTE Occupied Bandwidth(NTNV)(Subtest:1, Channel:18607, Bandwidth:1.4, Modulation:QPSK, RB Number: 6, RB Position:LOW)

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	1.08	1.26	1.4	Pass



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

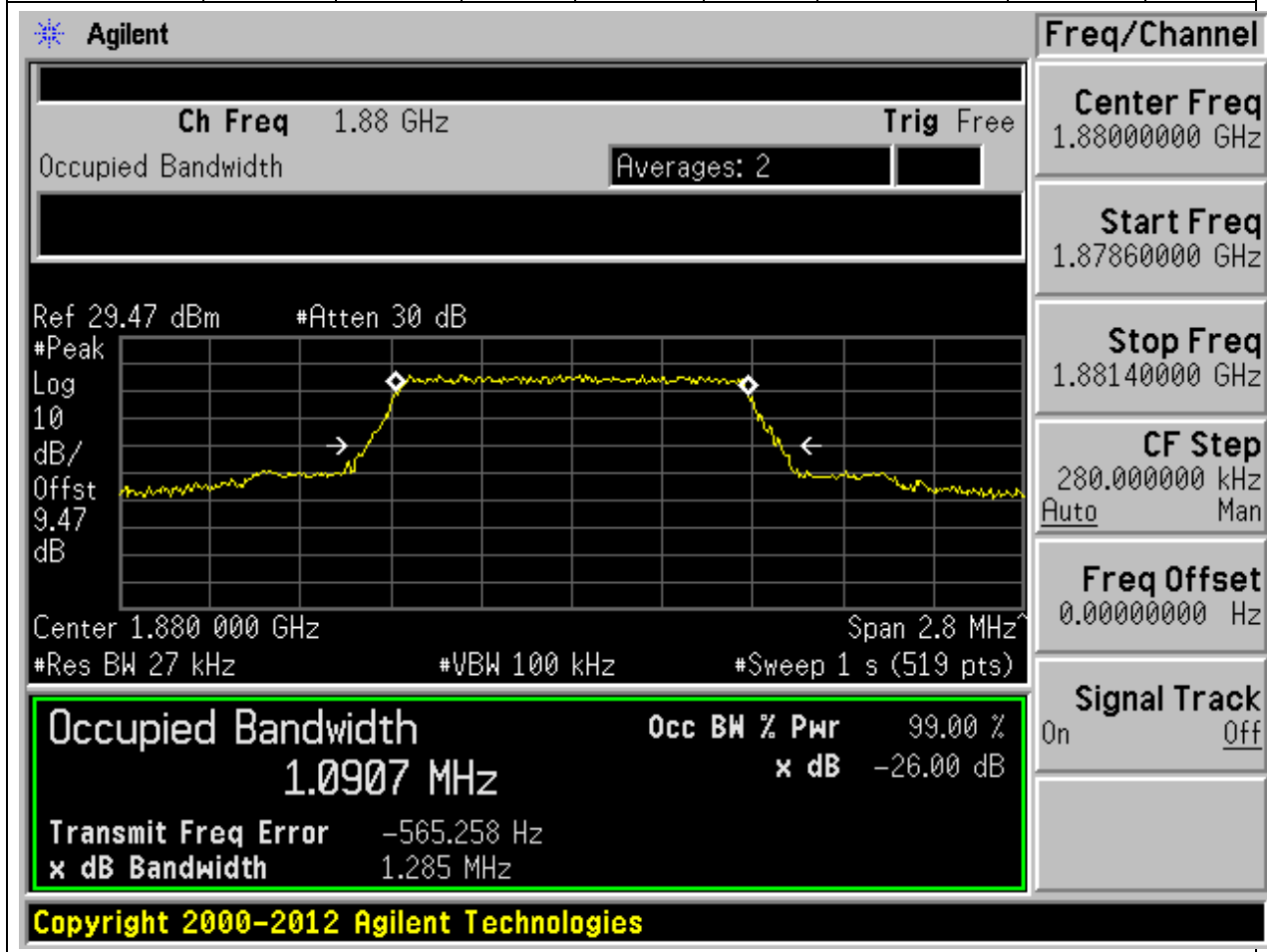
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1850.7	99	26	0.027	Peak	1.09	1.28	1.4	Pass





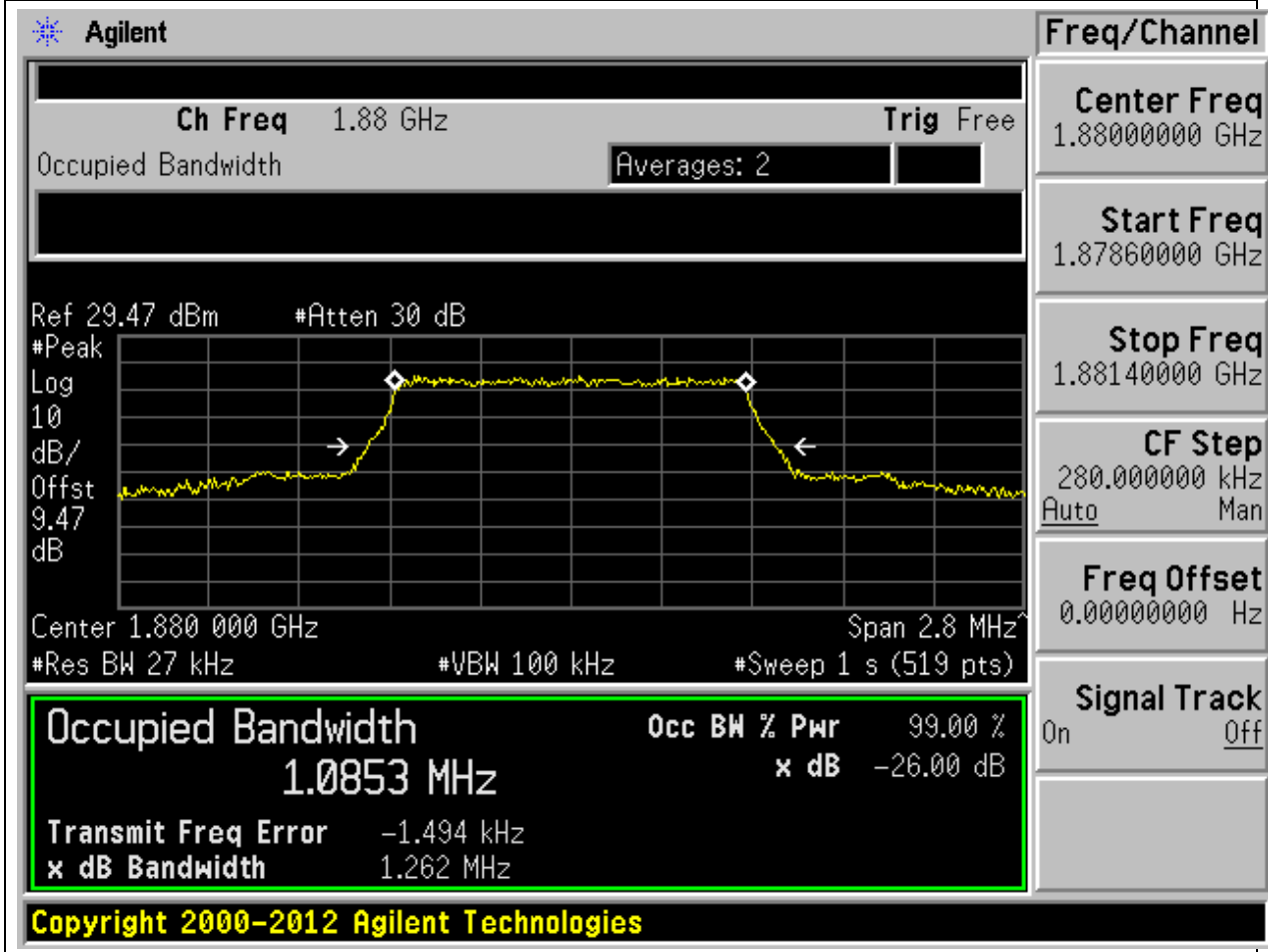
**8.3. LTE Occupied Bandwidth(NTNV)(Subtest:3, Channel:18900, Bandwidth:1.4, Modulation:QPSK, RB Number: 6, RB Position:LOW)**

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	1.29	1.4	Pass



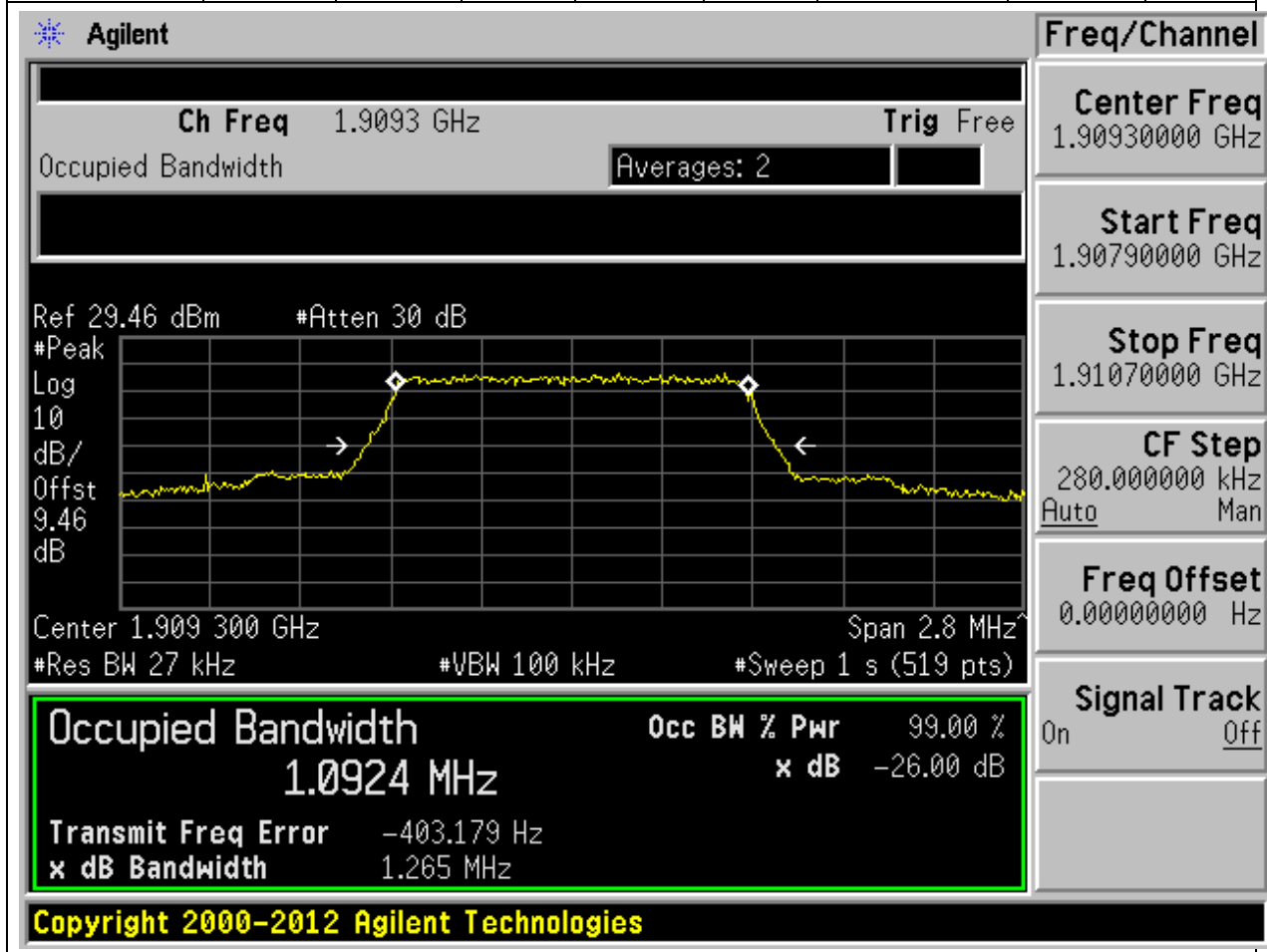
**8.4. LTE Occupied Bandwidth(NTNV)(Subtest:4, Channel:18900, Bandwidth:1.4, Modulation:Q16, RB Number: 6, RB Position:LOW)**

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	1.09	1.26	1.4	Pass



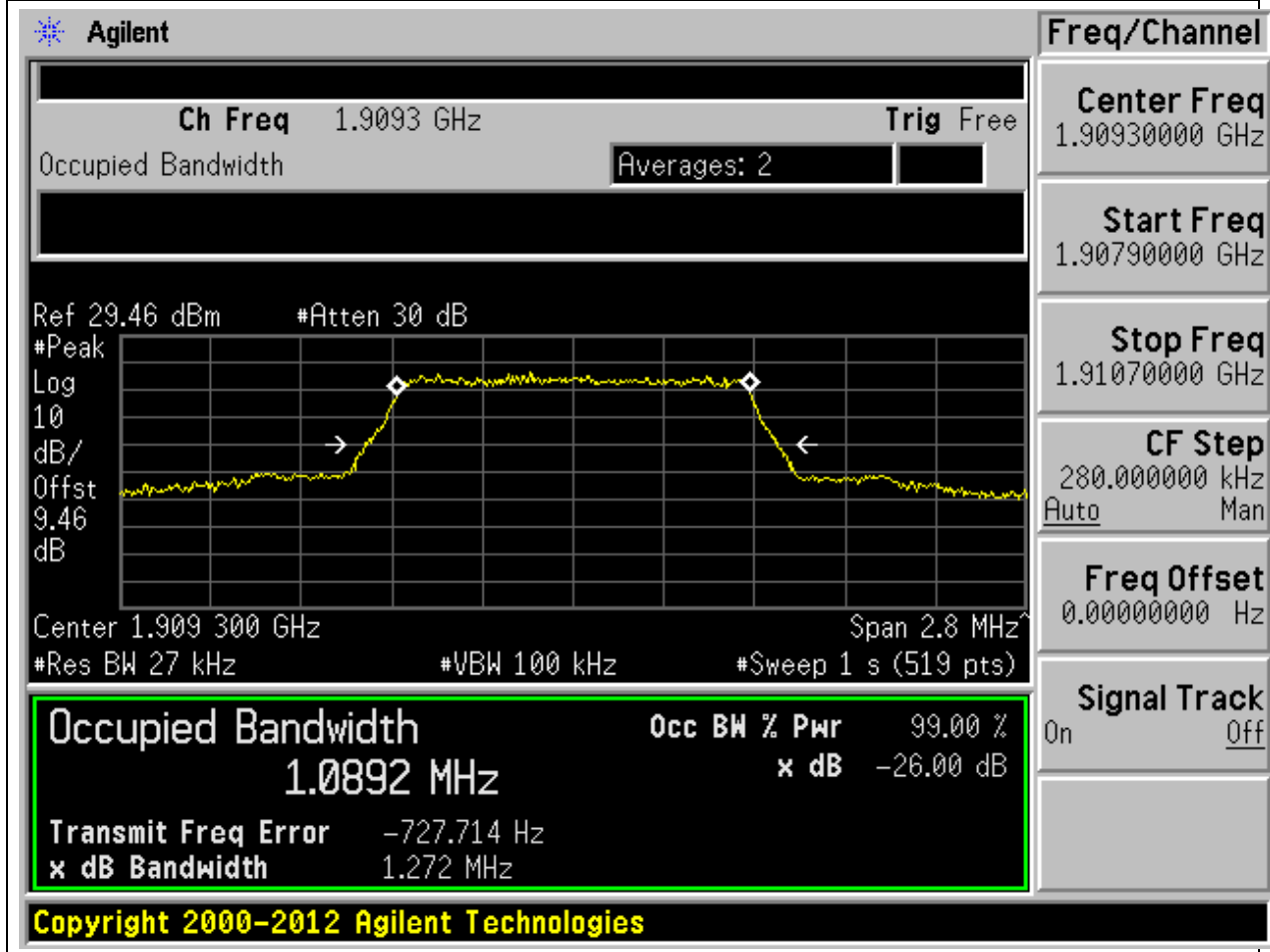
**8.5. LTE Occupied Bandwidth(NTNV)(Subtest:5, Channel:19193, Bandwidth:1.4, Modulation:QPSK, RB Number: 6, RB Position:LOW)**

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	1.27	1.4	Pass



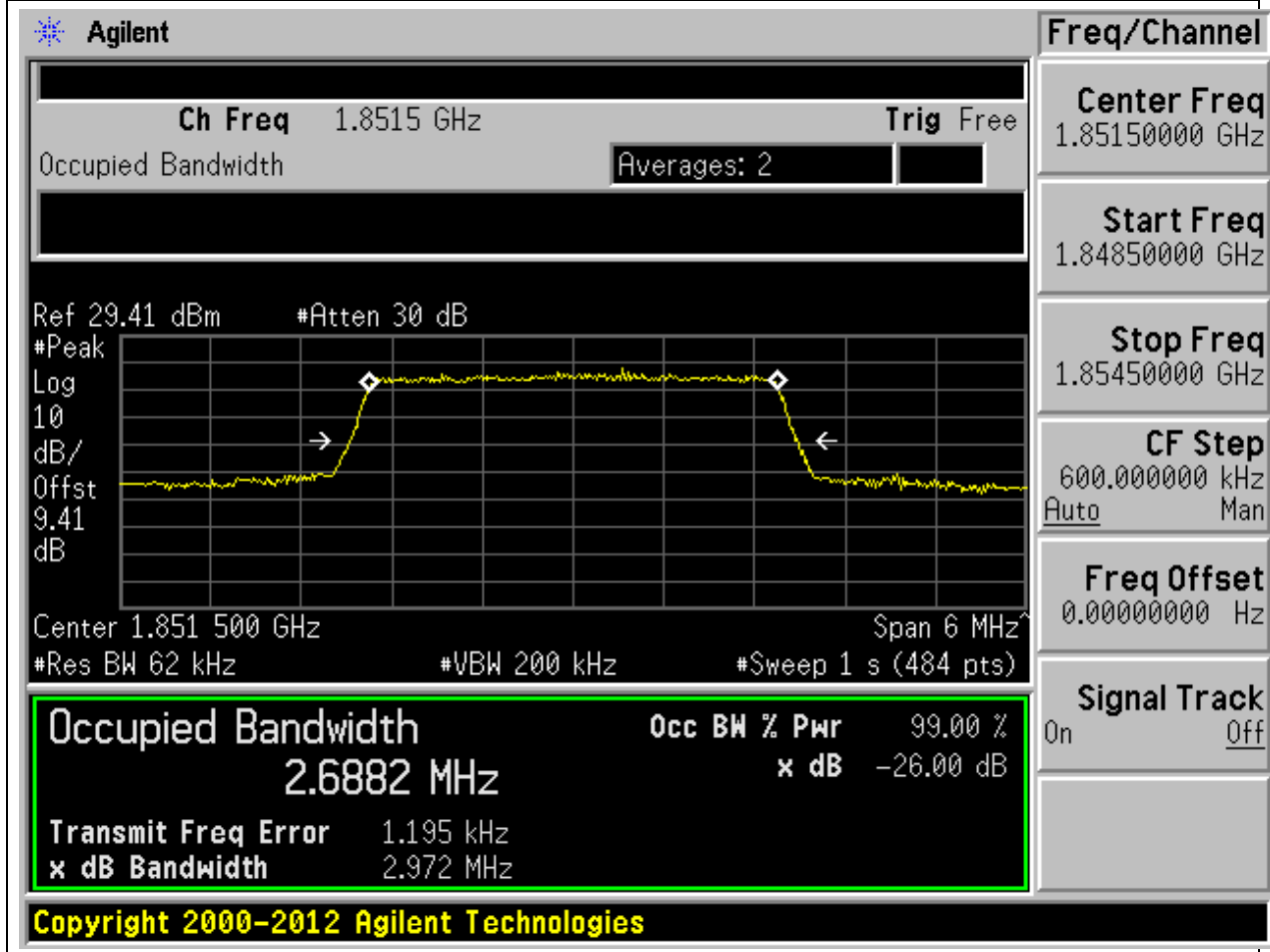
**8.6. LTE Occupied Bandwidth(NTNV)(Subtest:6, Channel:19193, Bandwidth:1.4, Modulation:Q16, RB Number: 6, RB Position:LOW)**

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	1.27	1.4	Pass



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	2.69	2.97	3	Pass



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

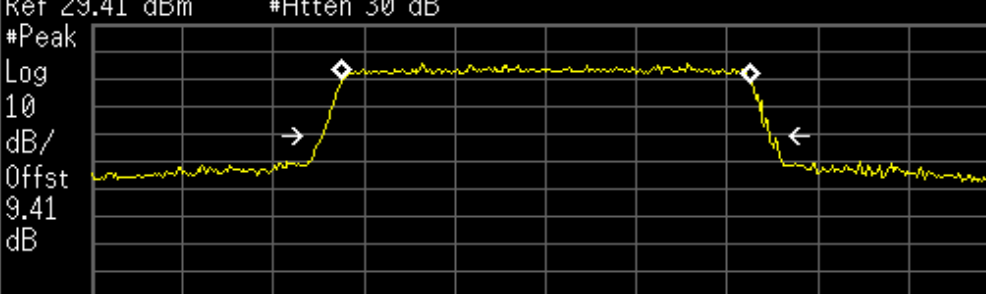
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1851.5	99	26	0.062	Peak	2.69	2.96	3	Pass

Agilent
Freq/Channel

Ch Freq 1.8515 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.41 dBm #Atten 30 dB



Center 1.851 500 GHz Span 6 MHz

#Res BW 62 kHz #VBW 200 kHz #Sweep 1 s (484 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**

**2.6902 MHz**

Transmit Freq Error 1.433 kHz

x dB Bandwidth 2.957 MHz

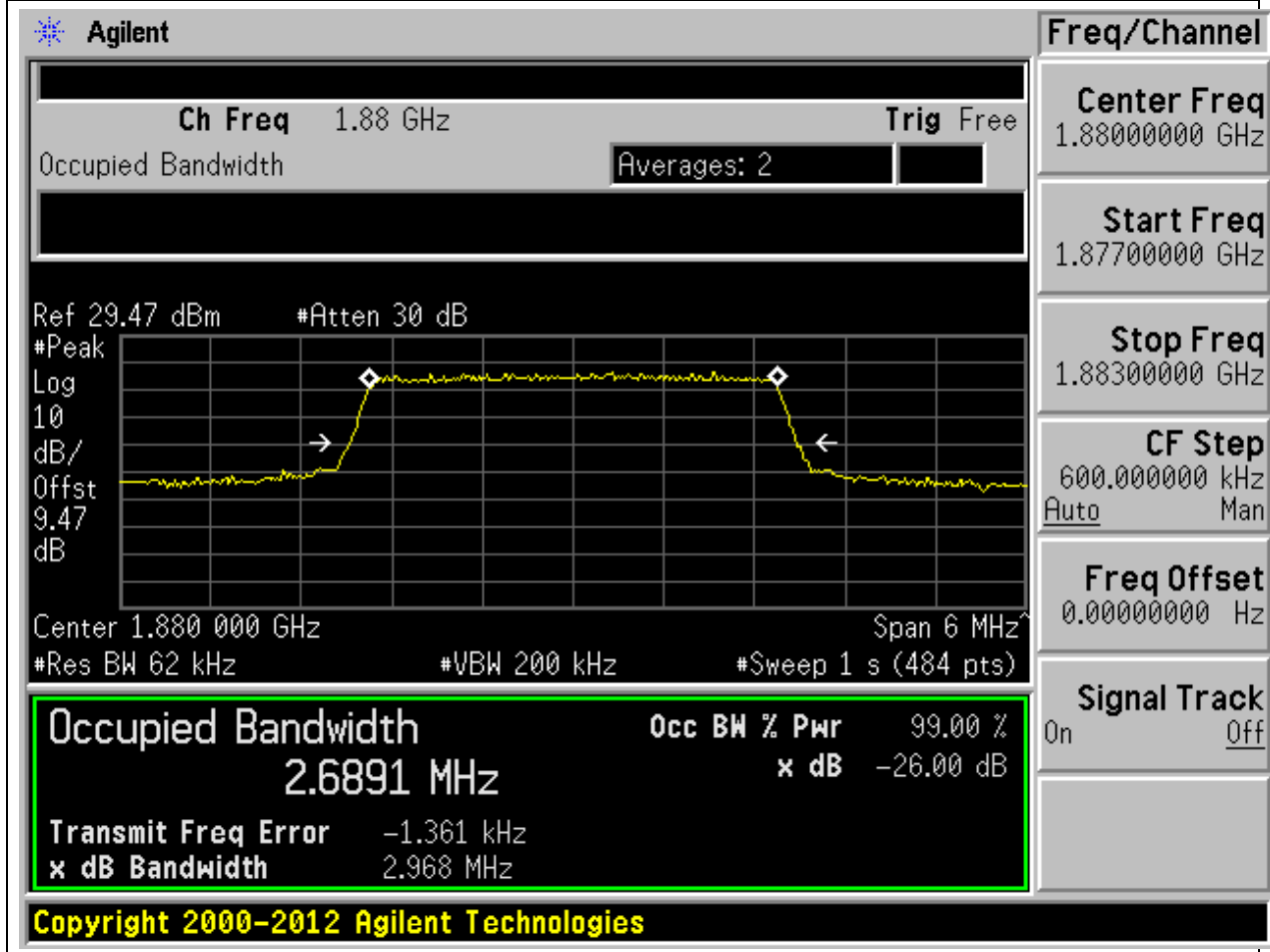
Occ BW % Pwr 99.00 %

x dB -26.00 dB

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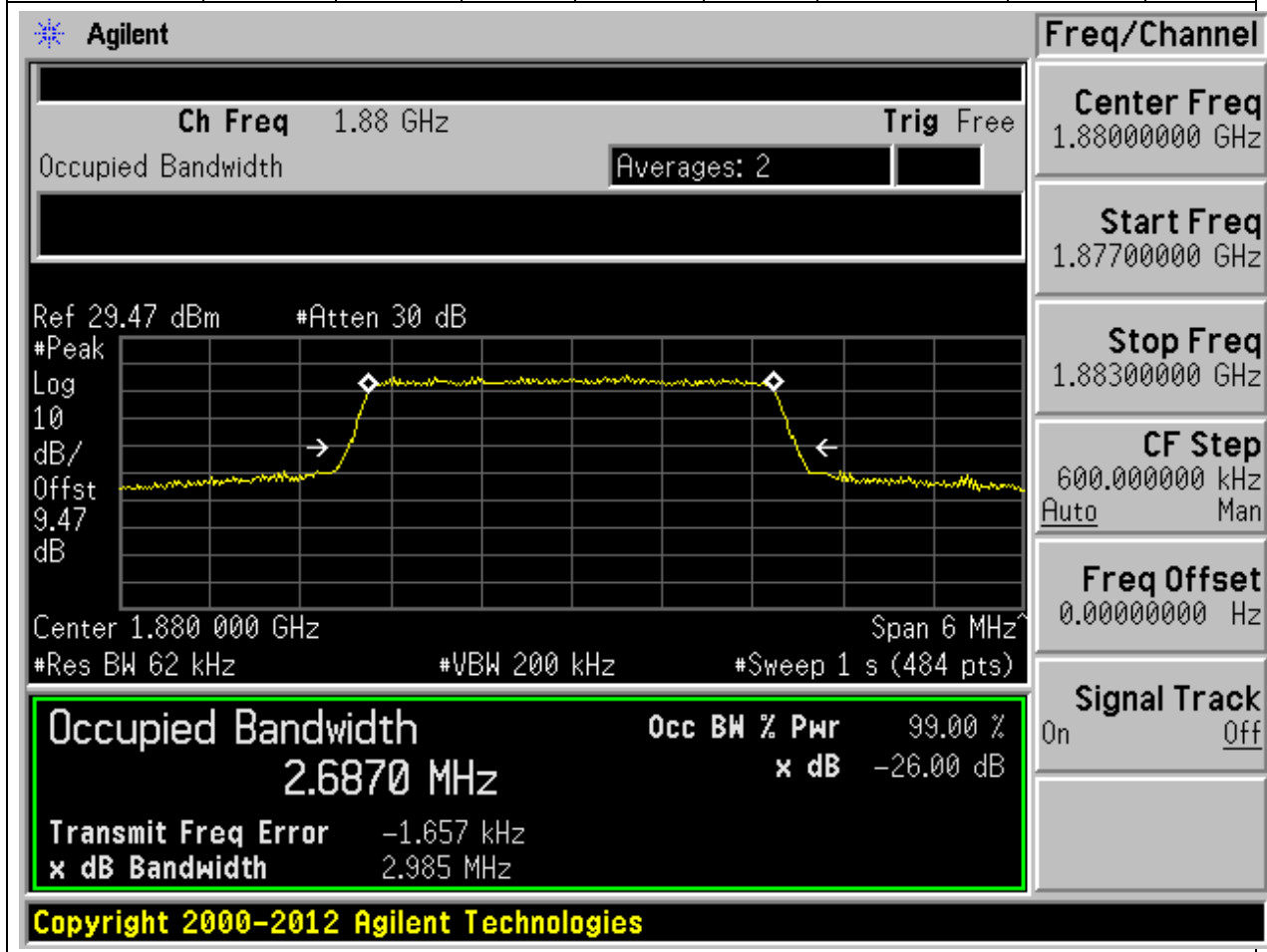
**8.9. LTE Occupied Bandwidth(NTNV)(Subtest:9, Channel:18900, Bandwidth:3, Modulation:QPSK, RB Number: 15, RB Position:LOW)**

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	2.69	2.97	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	2.69	2.99	3	Pass





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

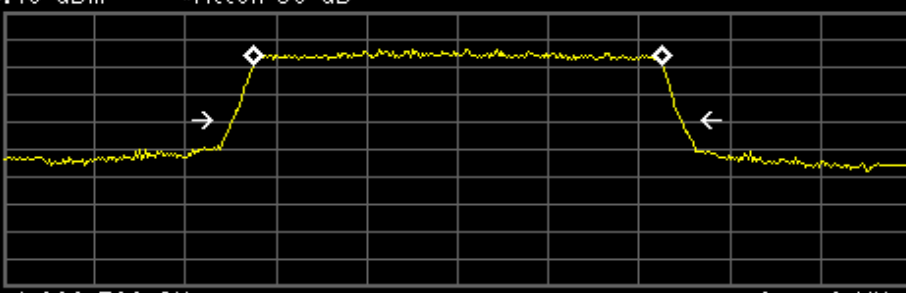
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1908.5	99	26	0.062	Peak	2.69	2.98	3	Pass

Agilent
Freq/Channel

Ch Freq 1.9085 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.46 dBm #Atten 30 dB



Center 1.908 500 GHz Span 6 MHz

#Res BW 62 kHz #VBW 200 kHz #Sweep 1 s (484 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 %

2.6897 MHz

x dB -26.00 dB

Transmit Freq Error -1.178 kHz

x dB Bandwidth 2.979 MHz

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**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	2.68	2.97	3	Pass

**Agilent**
**Freq/Channel**

**Ch Freq** 1.9085 GHz **Trig** Free

Occupied Bandwidth **Averages: 2**

**Center Freq**  
1.90850000 GHz

**Start Freq**  
1.90550000 GHz

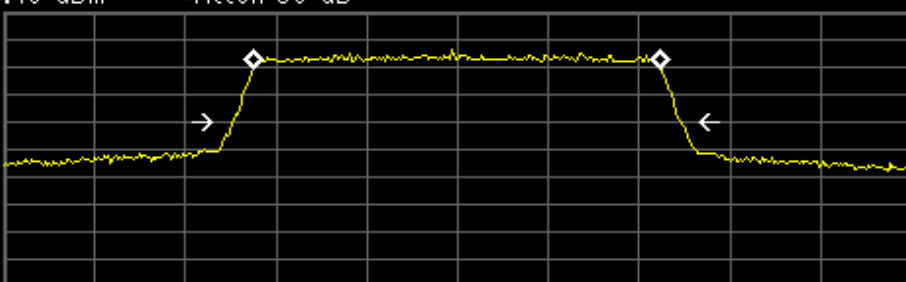
**Stop Freq**  
1.91150000 GHz

**CF Step**  
600.000000 kHz  
Auto Man

**Freq Offset**  
0.00000000 Hz

**Signal Track**  
On Off

Ref 29.46 dBm #Atten 30 dB



Center 1.908 500 GHz Span 6 MHz  
#Res BW 62 kHz #VBW 200 kHz #Sweep 1 s (484 pts)

**Occupied Bandwidth** Occ BW % Pwr 99.00 %  
2.6825 MHz x dB -26.00 dB

Transmit Freq Error -3.905 kHz  
x dB Bandwidth 2.965 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	4.5	4.91	5	Pass

**Agilent** Freq/Channel

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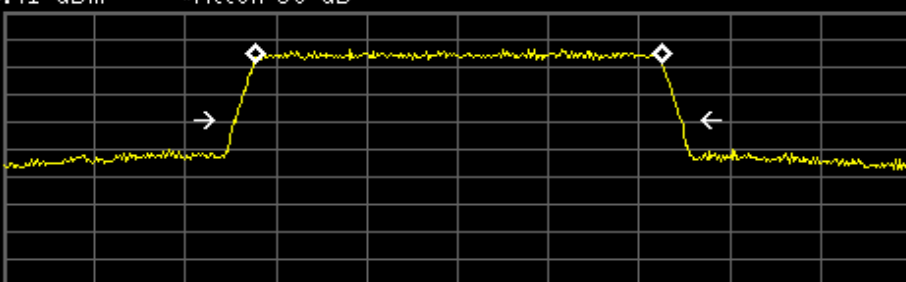
**Ch Freq** 1.8525 GHz **Trig** Free

Occupied Bandwidth Averages: 2

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Ref 29.41 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 9.41 dB



Center 1.852 50 GHz Span 10 MHz

#Res BW 100 kHz #VBW 300 kHz #Sweep 1 s (501 pts)

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<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
4.5027 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	1.136 kHz	
<b>x dB Bandwidth</b>	4.911 MHz	

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**Freq/Channel**

**Center Freq** 1.85250000 GHz

**Start Freq** 1.84750000 GHz

**Stop Freq** 1.85750000 GHz

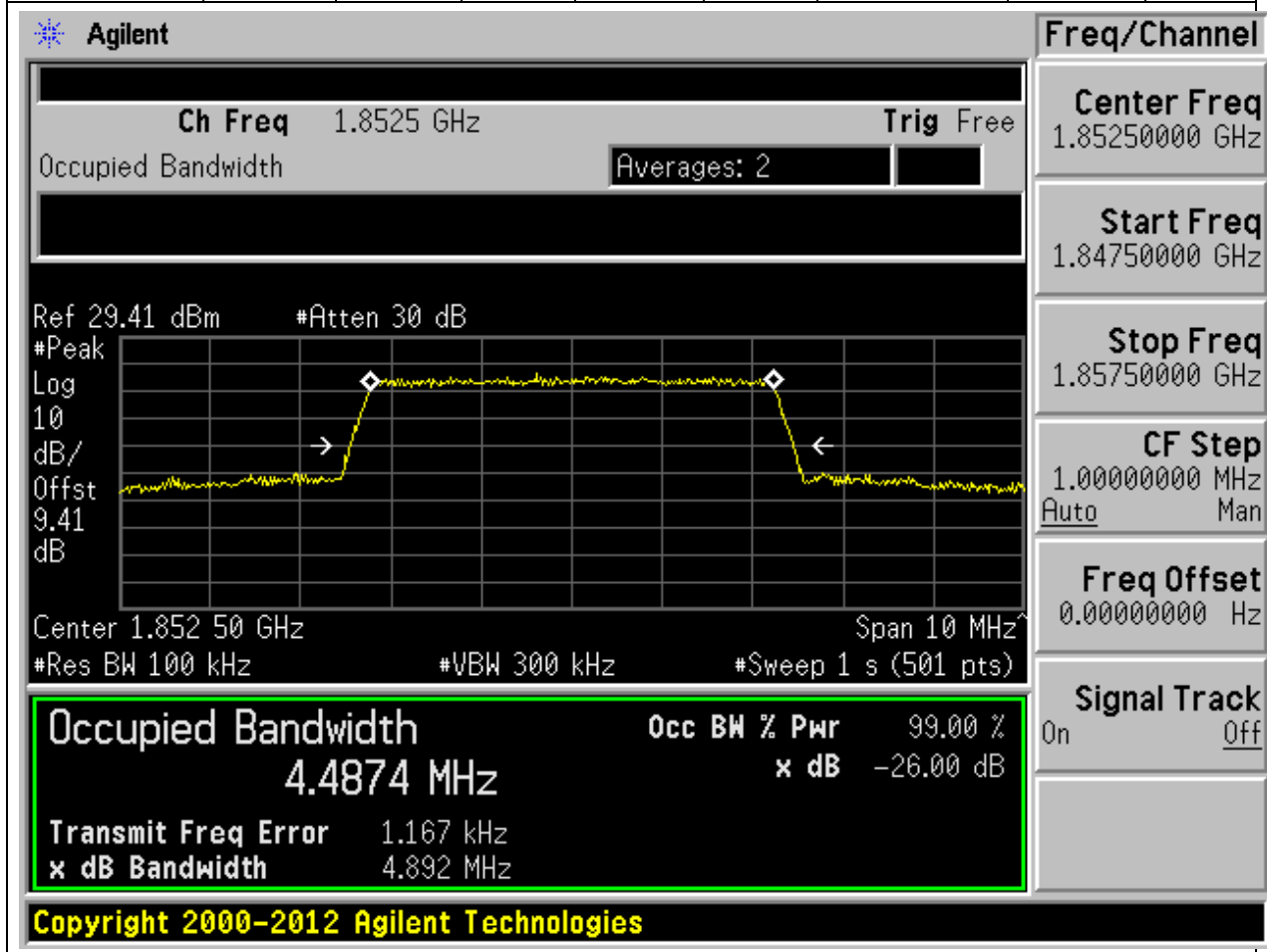
**CF Step** 1.00000000 MHz  
Auto Man

**Freq Offset** 0.00000000 Hz

**Signal Track** On Off

**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	4.89	5	Pass



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

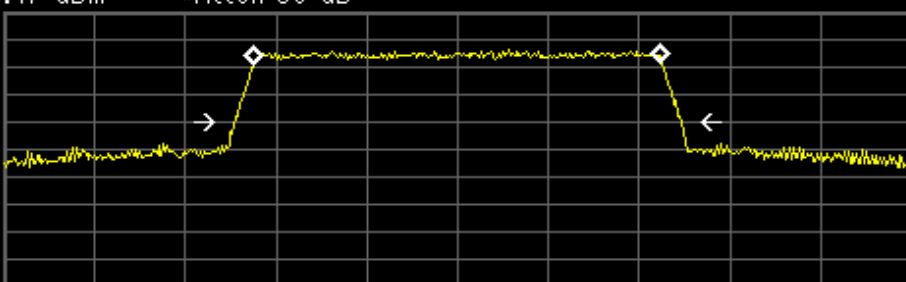
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	0.1	Peak	4.5	4.9	5	Pass

Agilent
Freq/Channel

Ch Freq 1.88 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.47 dBm #Atten 30 dB



Center 1.880 00 GHz Span 10 MHz

#Res BW 100 kHz #VBW 300 kHz #Sweep 1 s (501 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**

**4.4963 MHz**

Transmit Freq Error -722.909 Hz

x dB Bandwidth 4.895 MHz

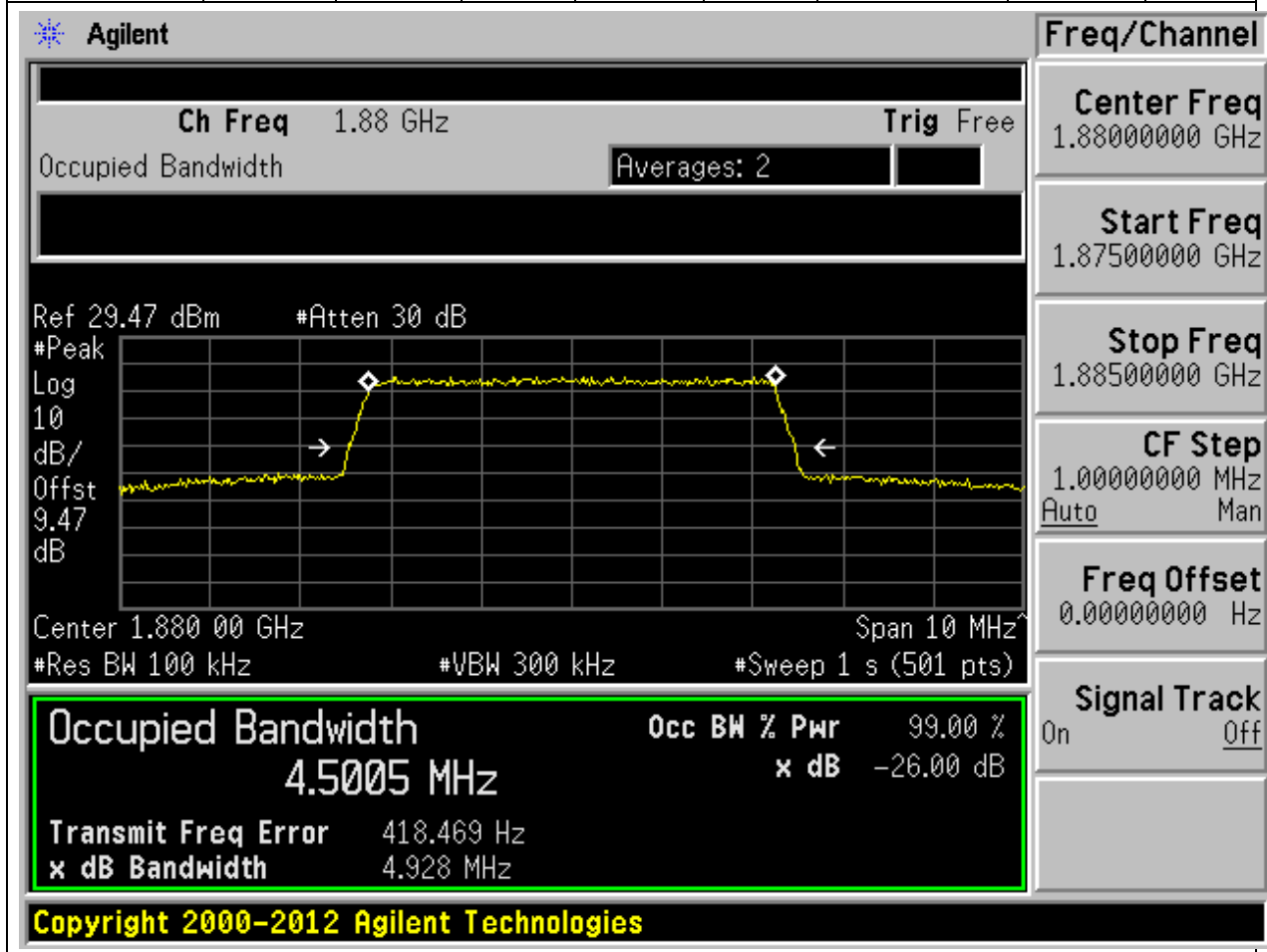
Occ BW % Pwr 99.00 %

x dB -26.00 dB

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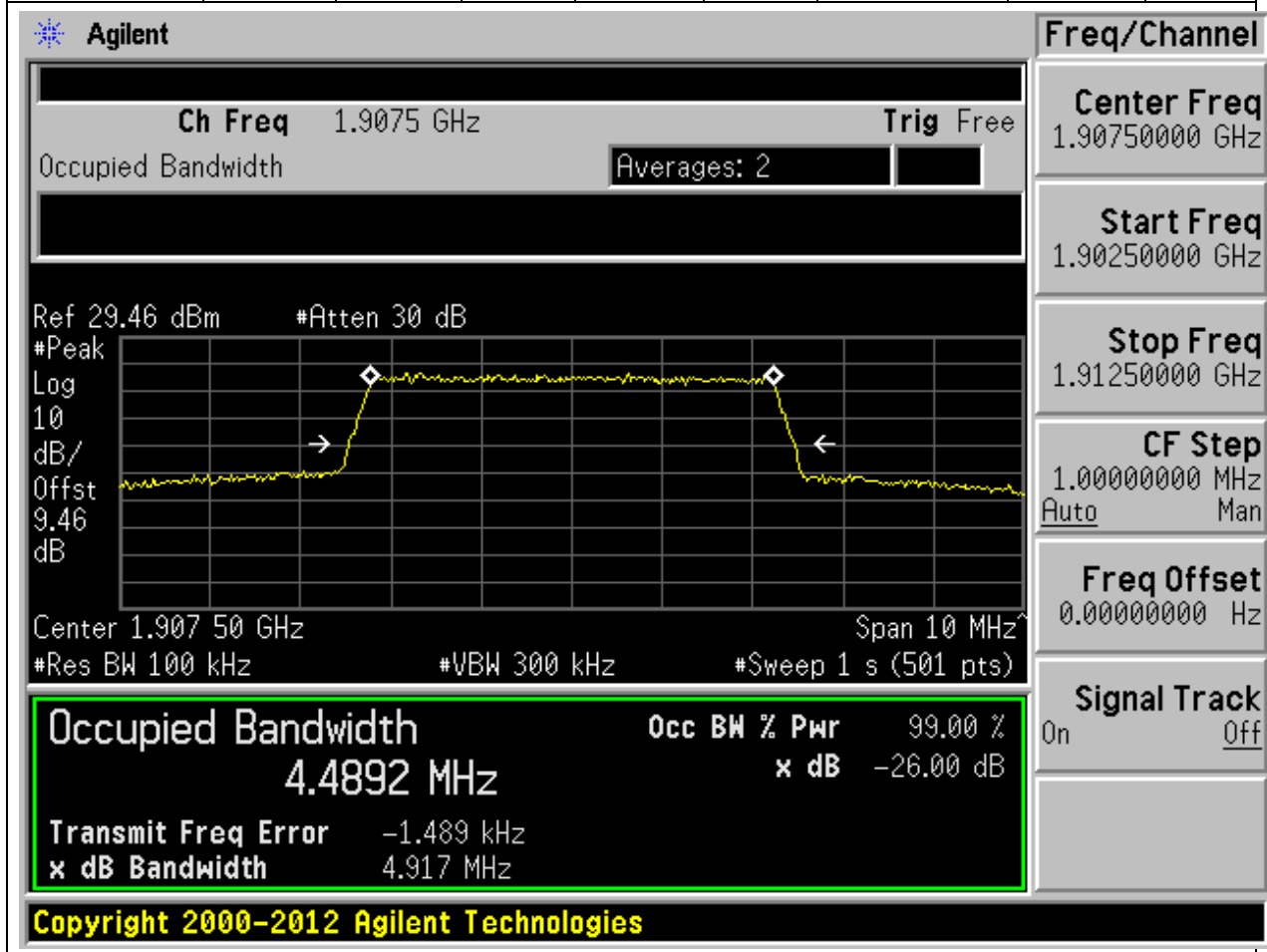
**8.16. LTE Occupied Bandwidth(NTNV)(Subtest:16, Channel:18900, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)**

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	4.5	4.93	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	4.92	5	Pass



**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	4.93	5	Pass

**Agilent** Freq/Channel

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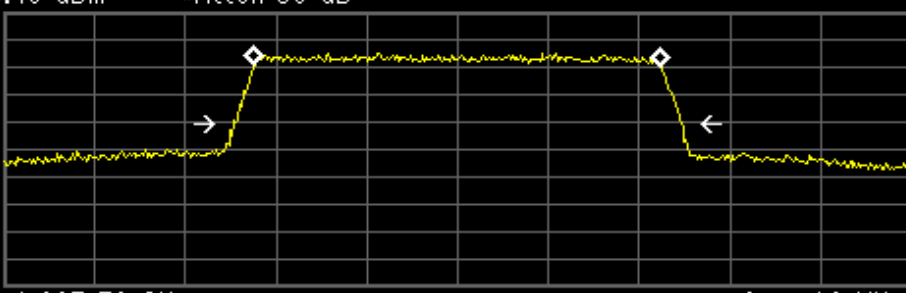
**Ch Freq** 1.9075 GHz **Trig** Free

Occupied Bandwidth Averages: 2

---

Ref 29.46 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 9.46 dB



Center 1.907 50 GHz Span 10 MHz

#Res BW 100 kHz #VBW 300 kHz #Sweep 1 s (501 pts)

---

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
4.4970 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	-2.363 kHz	
<b>x dB Bandwidth</b>	4.928 MHz	

---

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**Freq/Channel**

**Center Freq**  
1.90750000 GHz

**Start Freq**  
1.90250000 GHz

**Stop Freq**  
1.91250000 GHz

**CF Step**  
1.00000000 MHz  
Auto Man

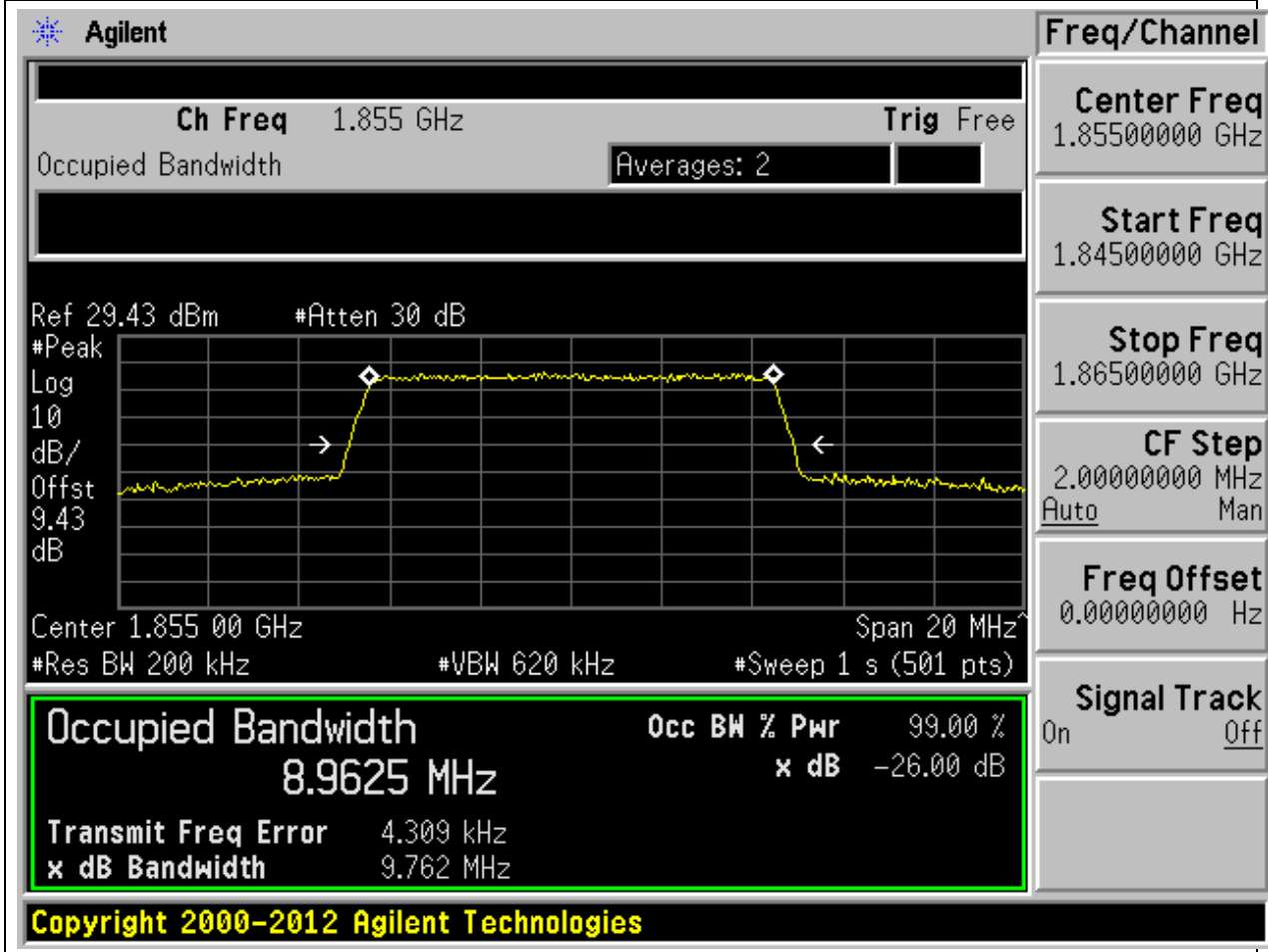
**Freq Offset**  
0.00000000 Hz

**Signal Track**  
On Off



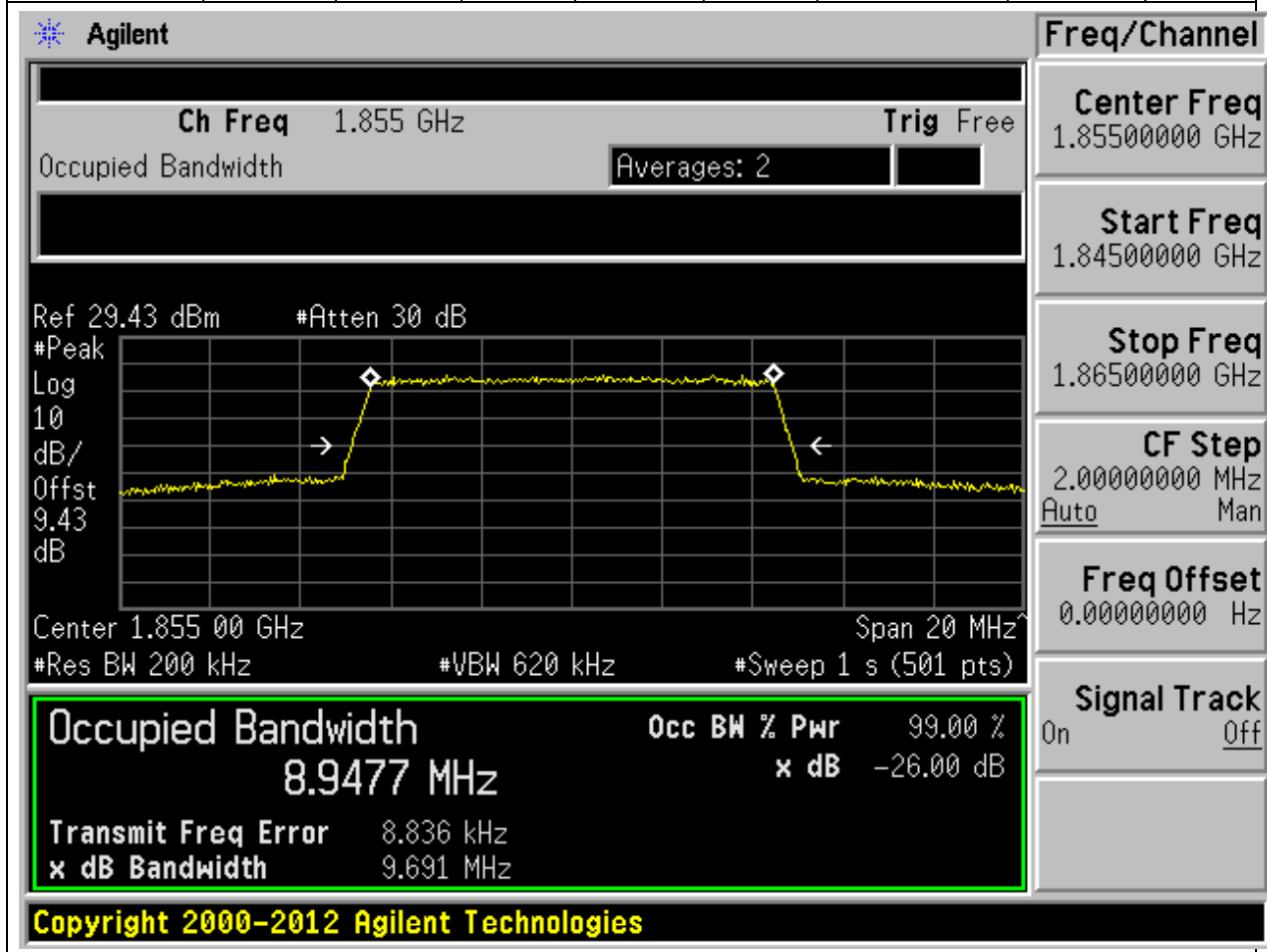
**8.19. LTE Occupied Bandwidth(NTNV)(Subtest:19, Channel:18650, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)**

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	8.96	9.76	10	Pass



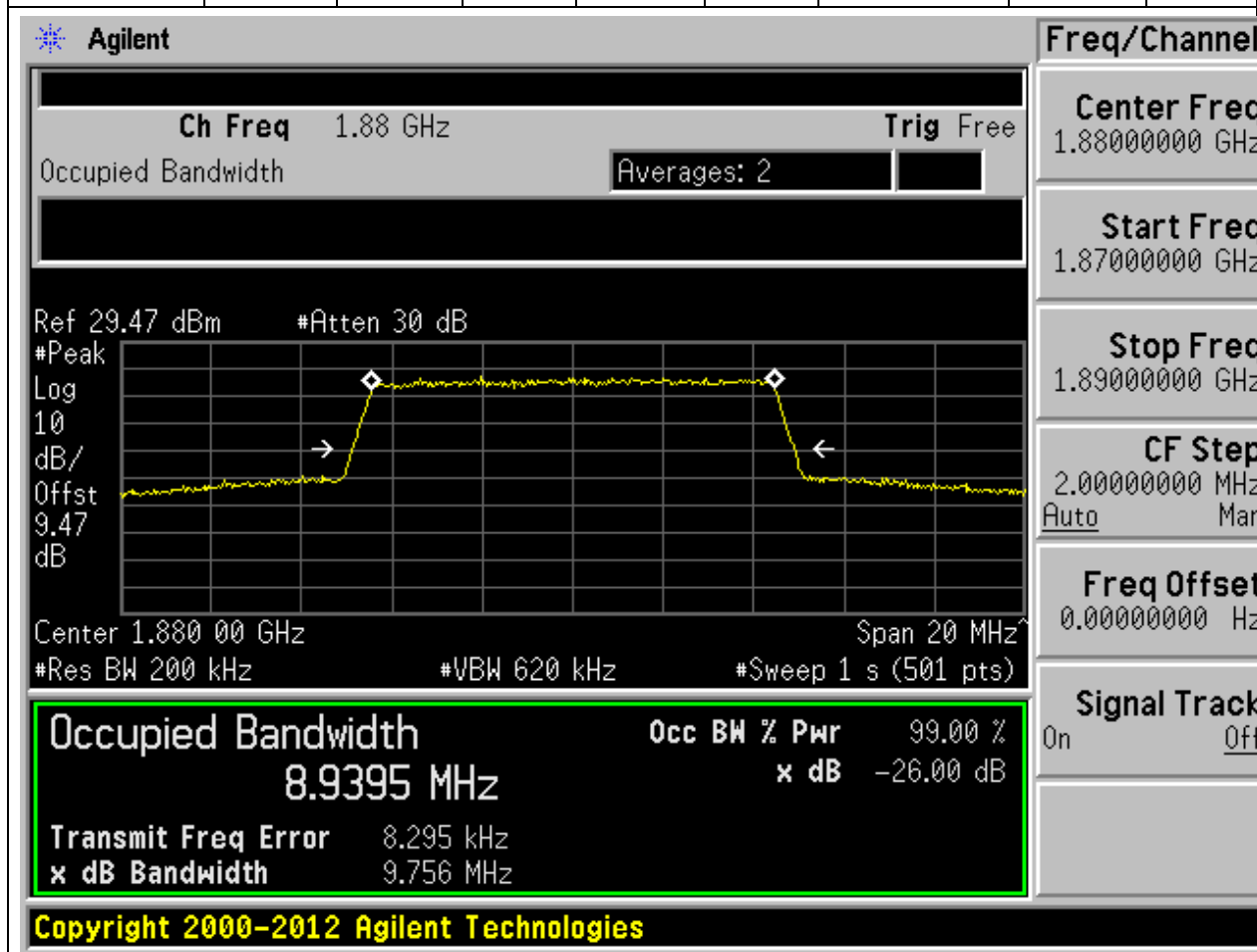
**8.20. LTE Occupied Bandwidth(NTNV)(Subtest:20, Channel:18650, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)**

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	8.95	9.69	10	Pass



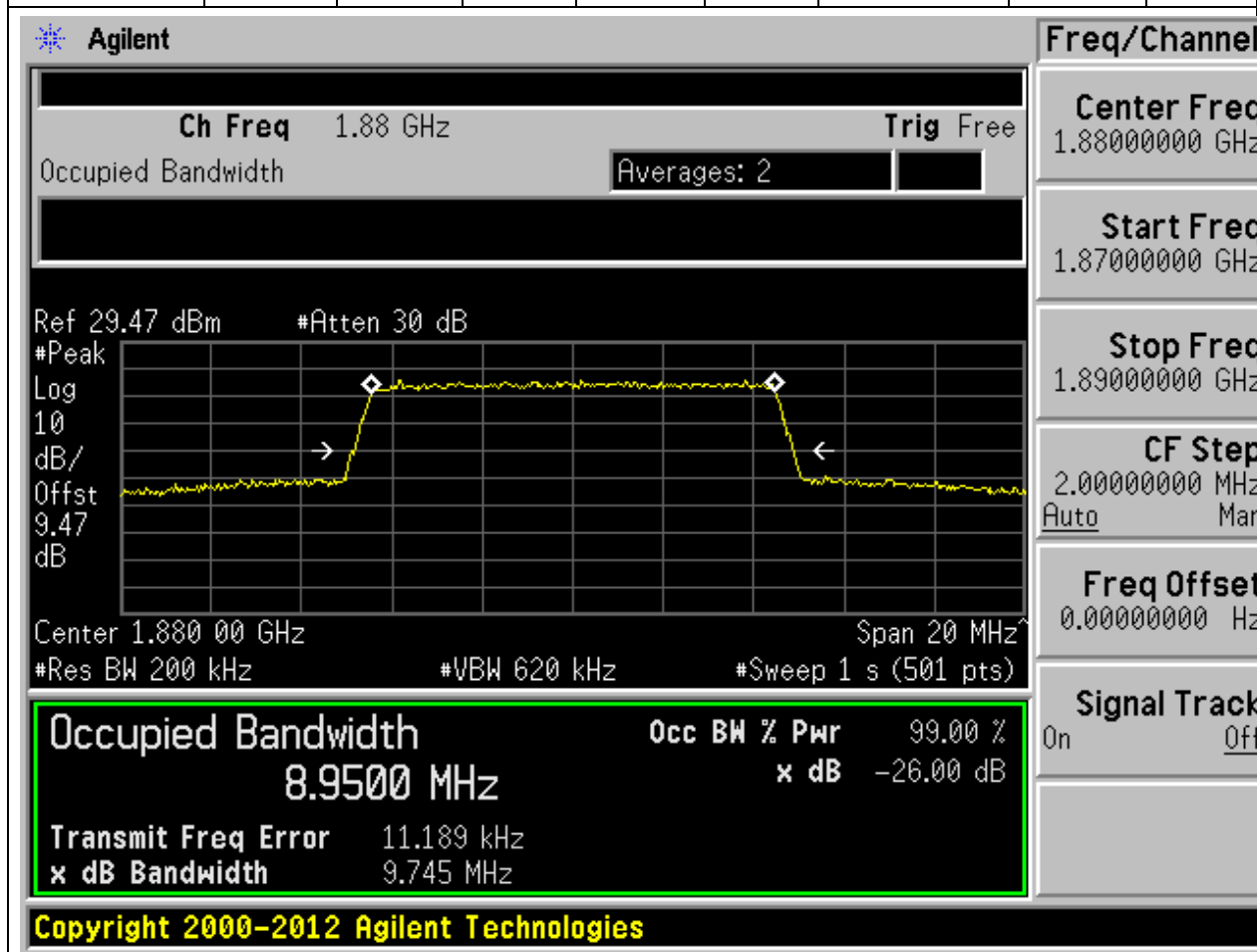
**8.21. LTE Occupied Bandwidth(NTNV)(Subtest:21, Channel:18900, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)**

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	8.94	9.76	10	Pass



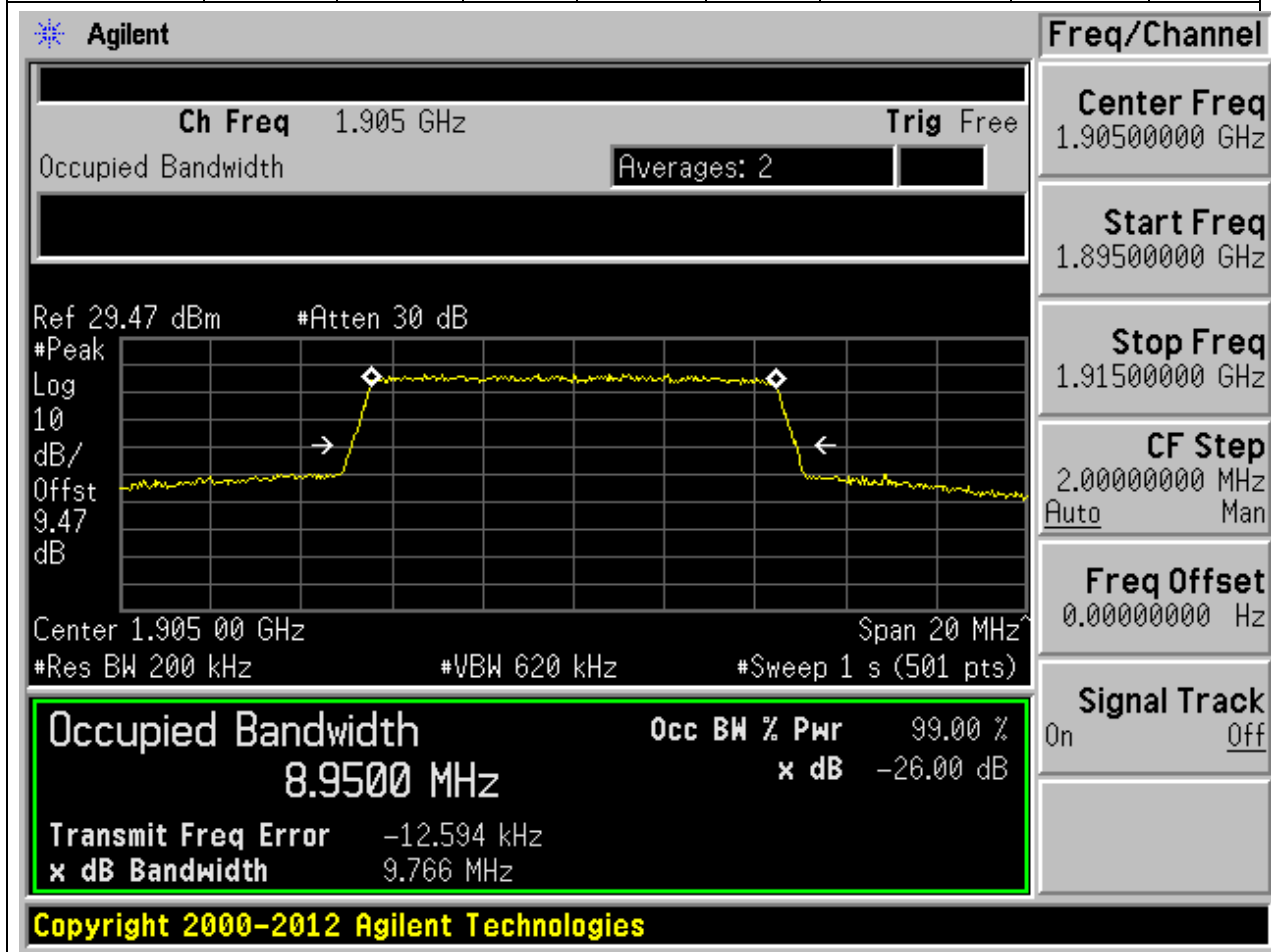
**8.22. LTE Occupied Bandwidth(NTNV)(Subtest:22, Channel:18900, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)**

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	9.74	10	Pass



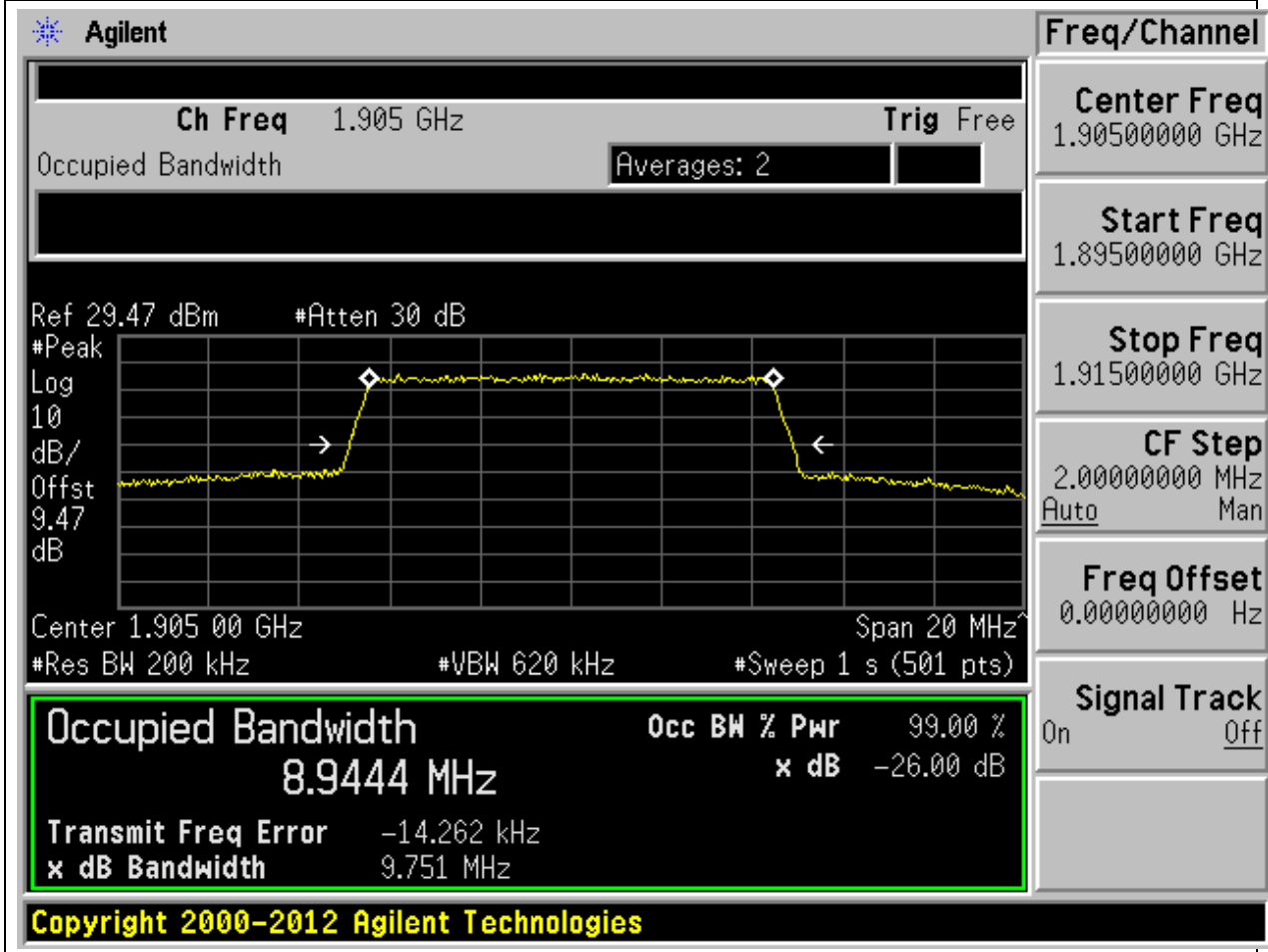
**8.23. LTE Occupied Bandwidth(NTNV)(Subtest:23, Channel:19150, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)**

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	8.95	9.77	10	Pass



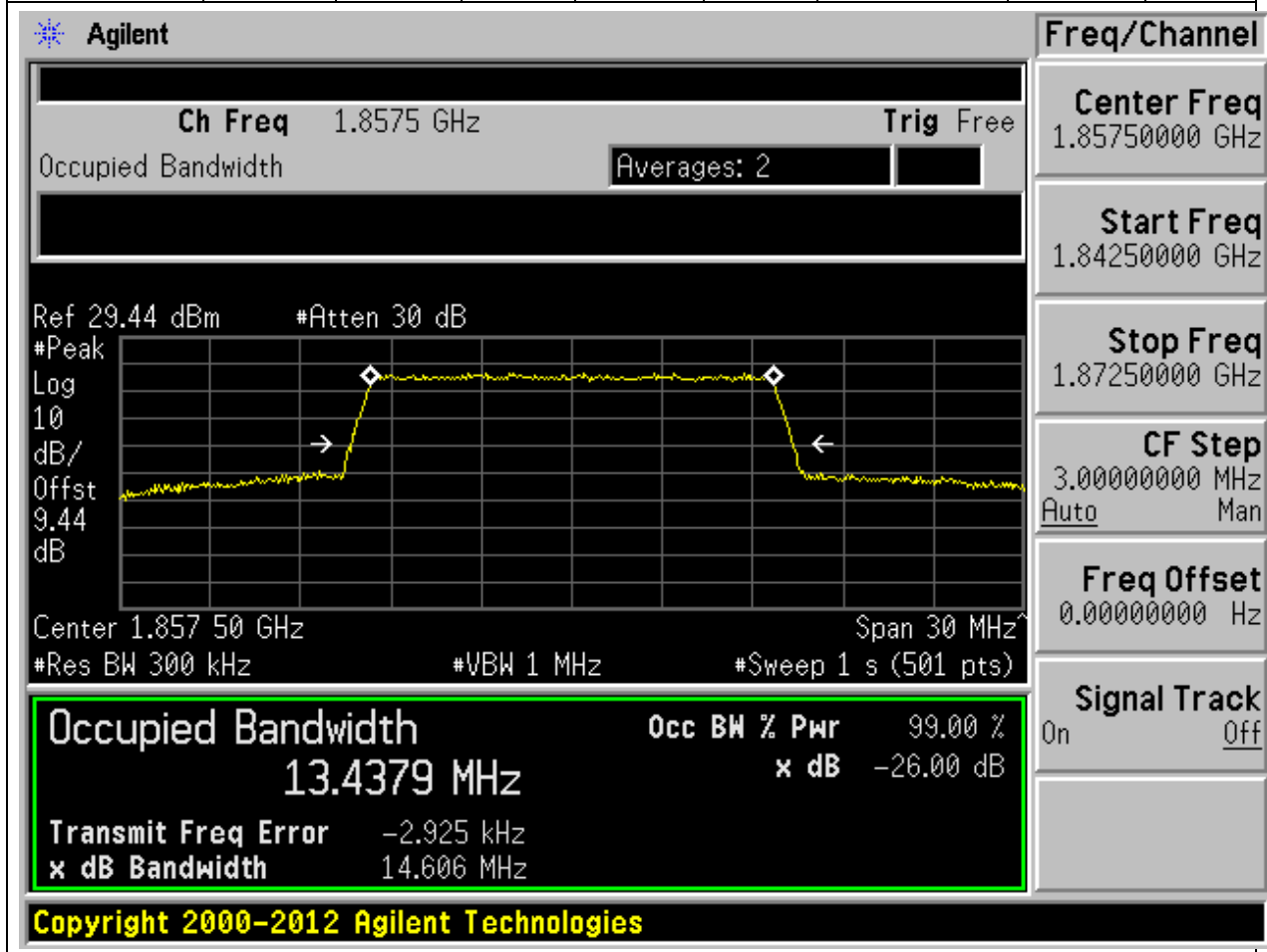
**8.24. LTE Occupied Bandwidth(NTNV)(Subtest:24, Channel:19150, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)**

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	8.94	9.75	10	Pass



**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	13.44	14.61	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	13.42	14.6	15	Pass

Agilent
Freq/Channel

Ch Freq 1.8575 GHz Trig Free

Occupied Bandwidth Averages: 2

Center Freq 1.85750000 GHz

Start Freq 1.84250000 GHz

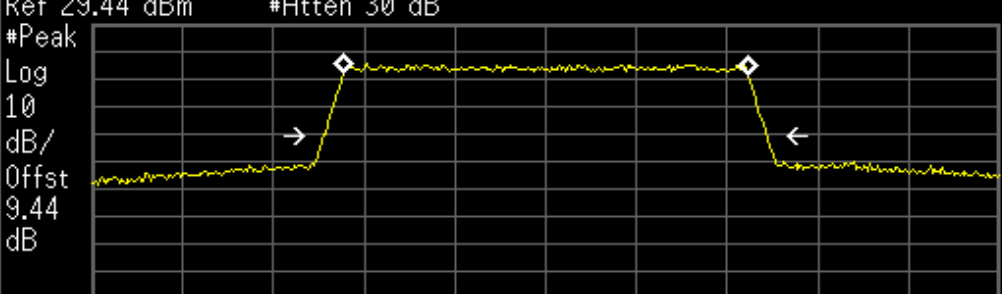
Stop Freq 1.87250000 GHz

CF Step 3.00000000 MHz  
Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

Ref 29.44 dBm #Atten 30 dB



Center 1.857 50 GHz Span 30 MHz

#Res BW 300 kHz #VBW 1 MHz #Sweep 1 s (501 pts)

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

13.4209 MHz x dB -26.00 dB

Transmit Freq Error -14.784 kHz

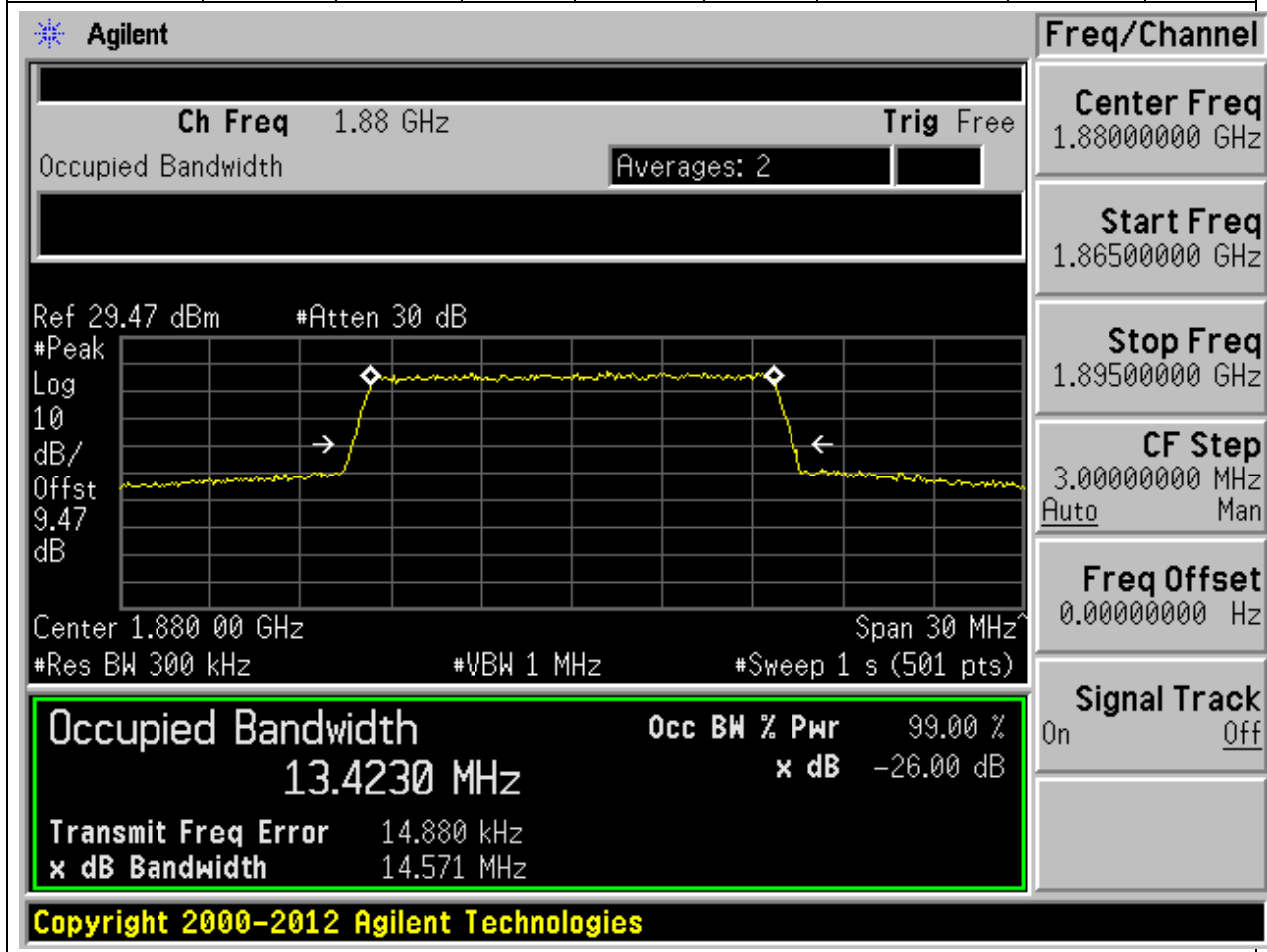
x dB Bandwidth 14.595 MHz

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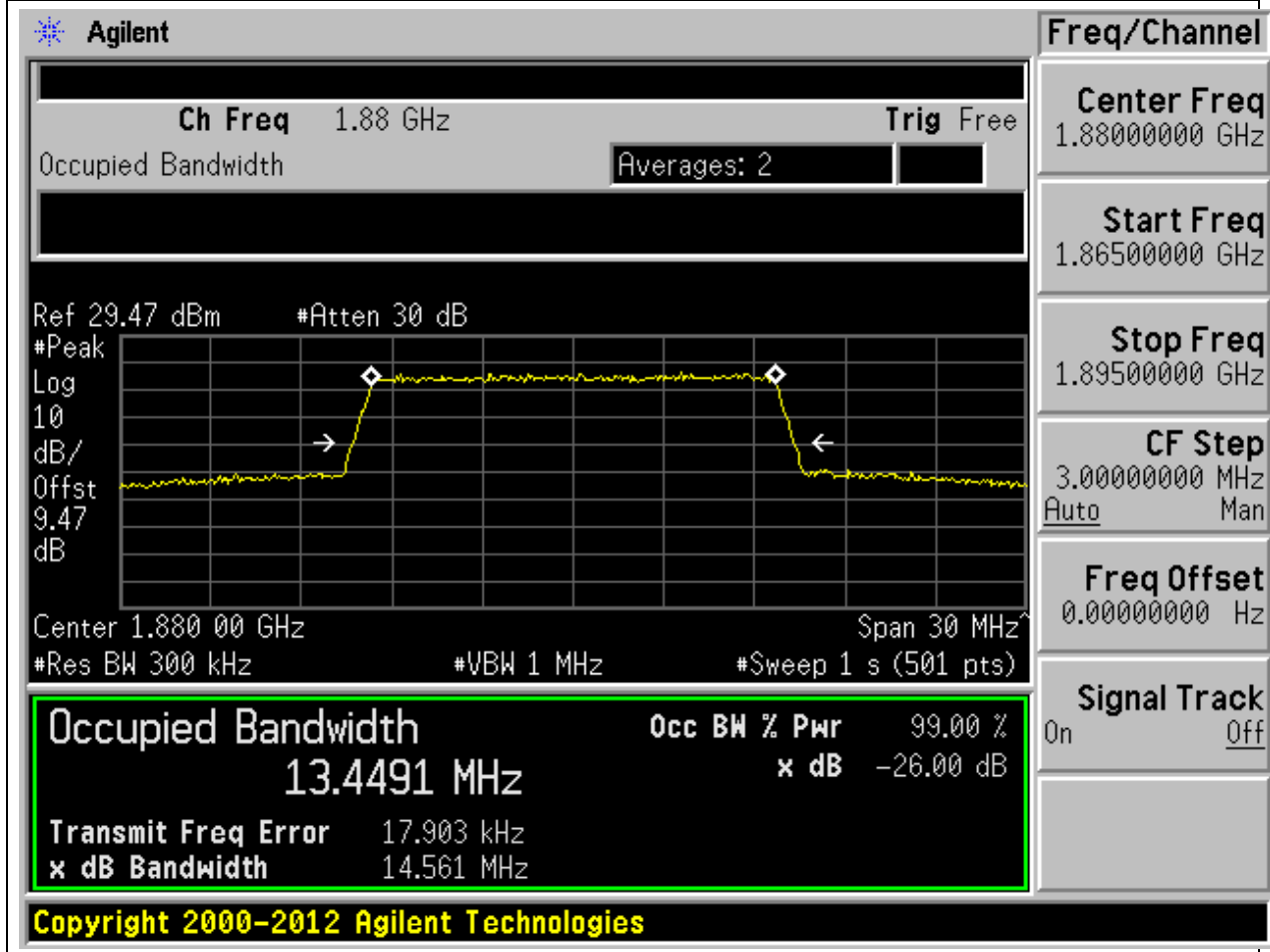
**8.27. LTE Occupied Bandwidth(NTNV)(Subtest:27, Channel:18900, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)**

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	13.42	14.57	15	Pass



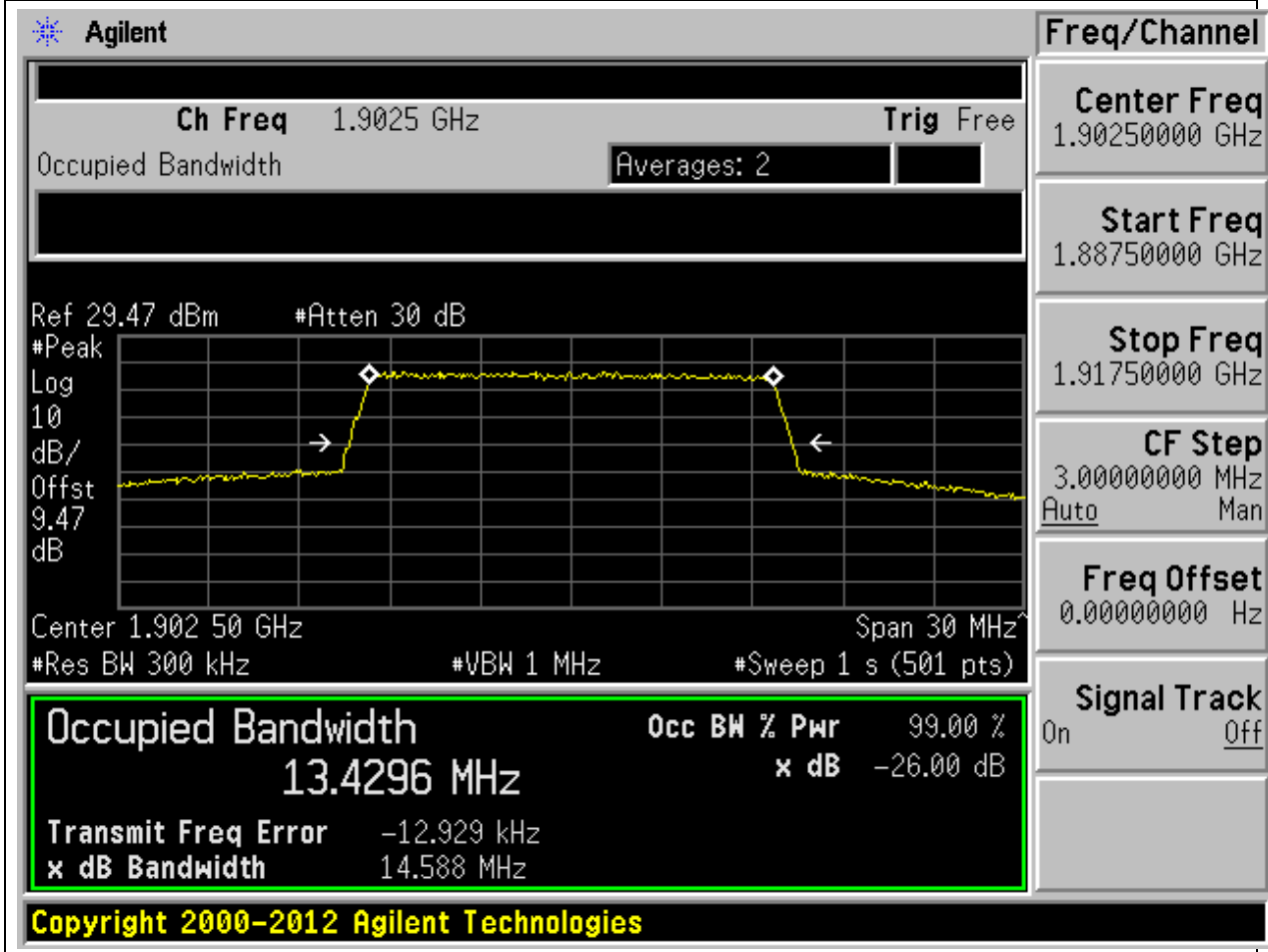
**8.28. LTE Occupied Bandwidth(NTNV)(Subtest:28, Channel:18900, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)**

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	13.45	14.56	15	Pass



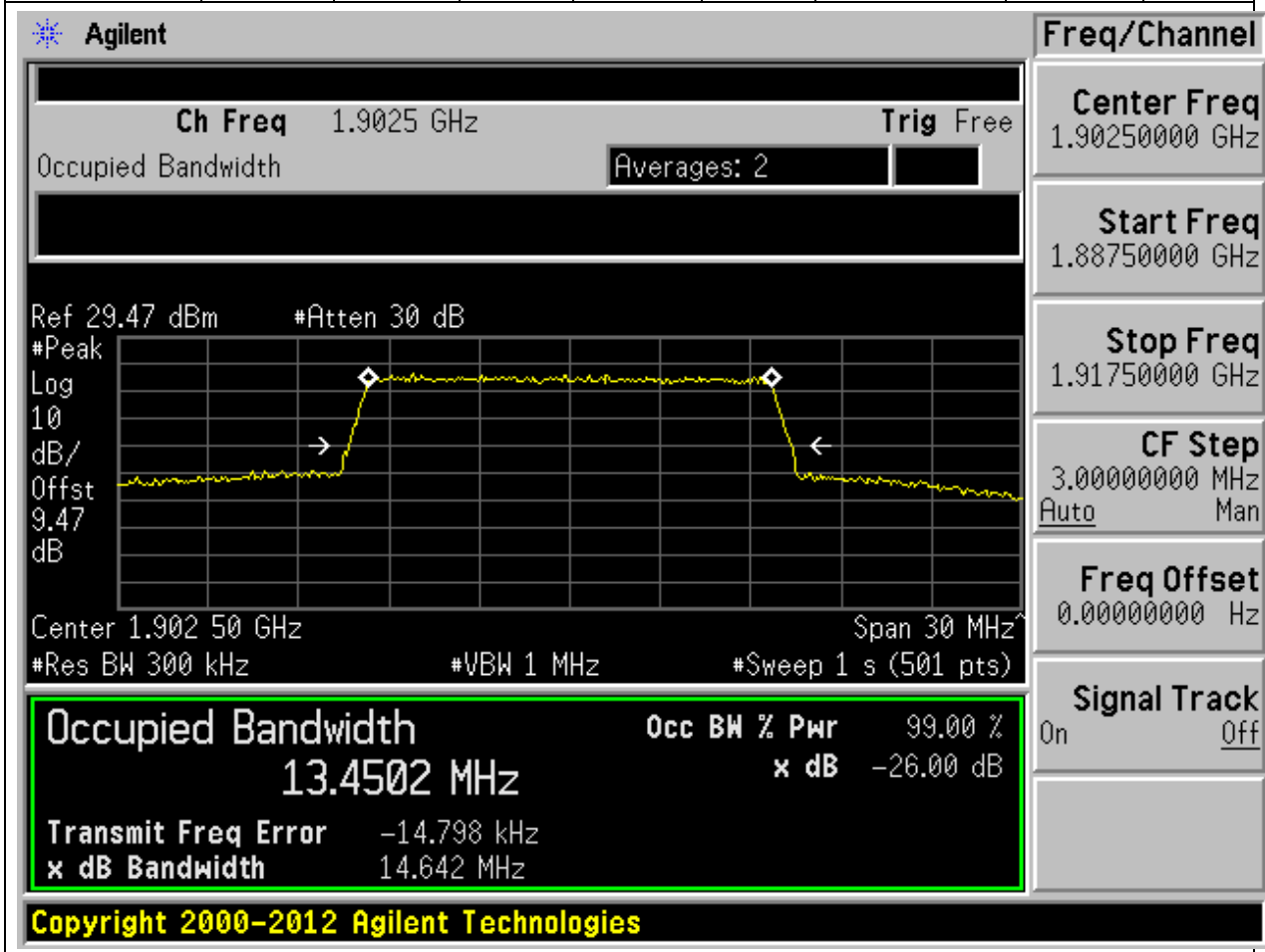
**8.29. LTE Occupied Bandwidth(NTNV)(Subtest:29, Channel:19125, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)**

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	14.59	15	Pass



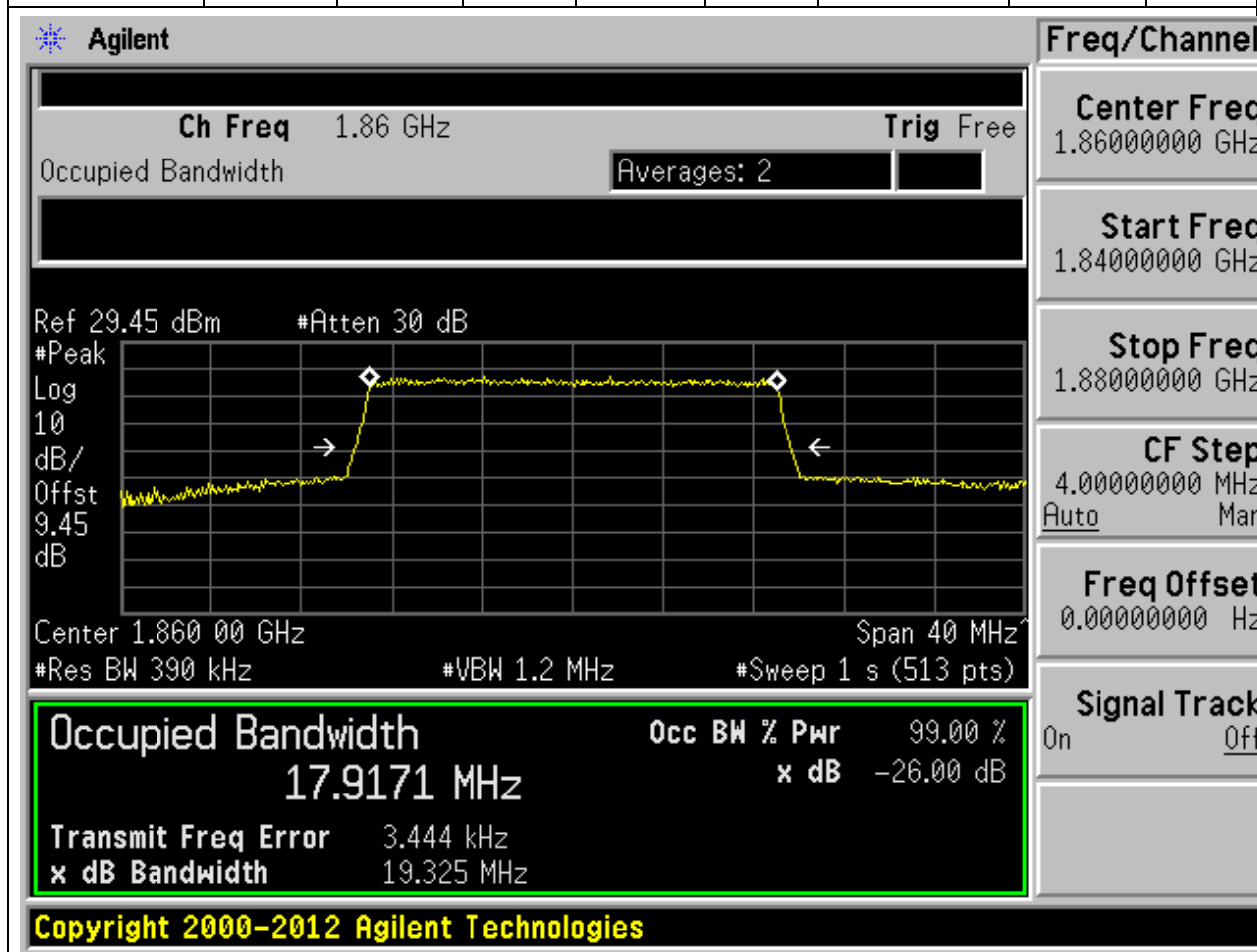
**8.30. LTE Occupied Bandwidth(NTNV)(Subtest:30, Channel:19125, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)**

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	13.45	14.64	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	17.92	19.33	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	17.95	19.41	20	Pass

**Agilent** Freq/Channel

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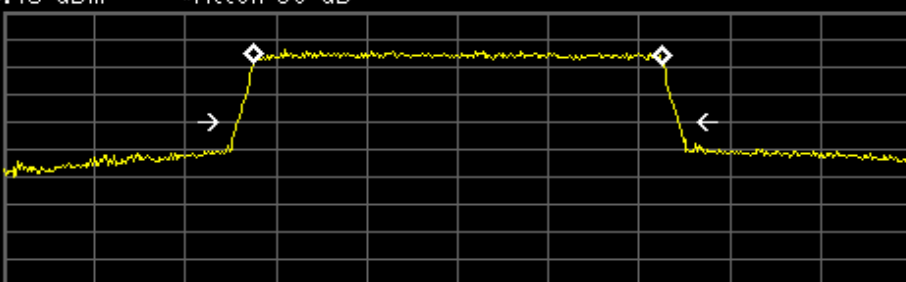
**Ch Freq** 1.86 GHz **Trig** Free

Occupied Bandwidth Averages: 2

---

Ref 29.45 dBm #Atten 30 dB

#Peak  
Log  
10  
dB/  
Offst  
9.45  
dB



Center 1.860 00 GHz Span 40 MHz

#Res BW 390 kHz #VBW 1.2 MHz #Sweep 1 s (513 pts)

---

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
17.9484 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	14.992 kHz	
<b>x dB Bandwidth</b>	19.414 MHz	

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**Center Freq**  
1.86000000 GHz

**Start Freq**  
1.84000000 GHz

**Stop Freq**  
1.88000000 GHz

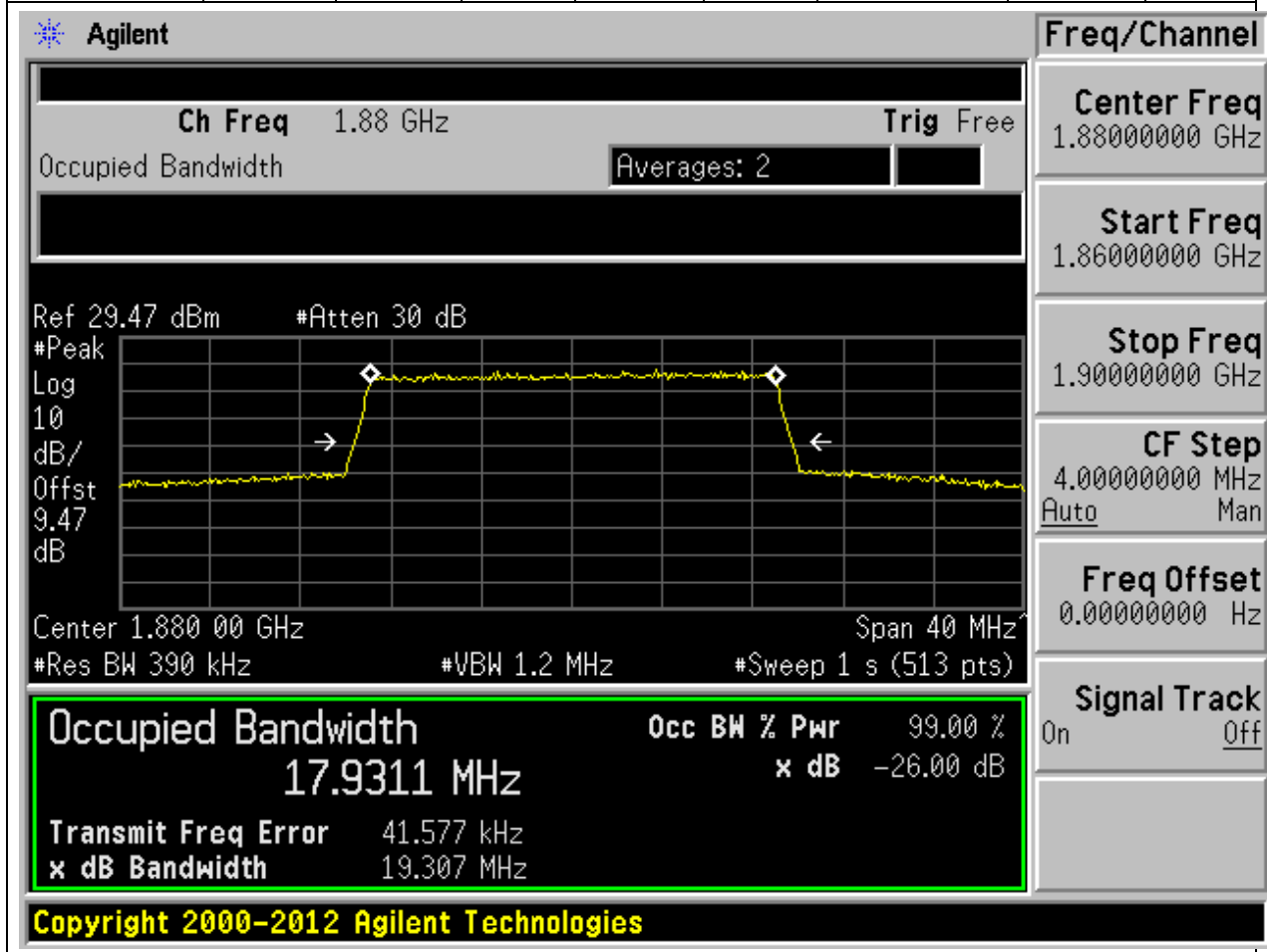
**CF Step**  
4.00000000 MHz  
Auto Man

**Freq Offset**  
0.00000000 Hz

**Signal Track**  
On Off

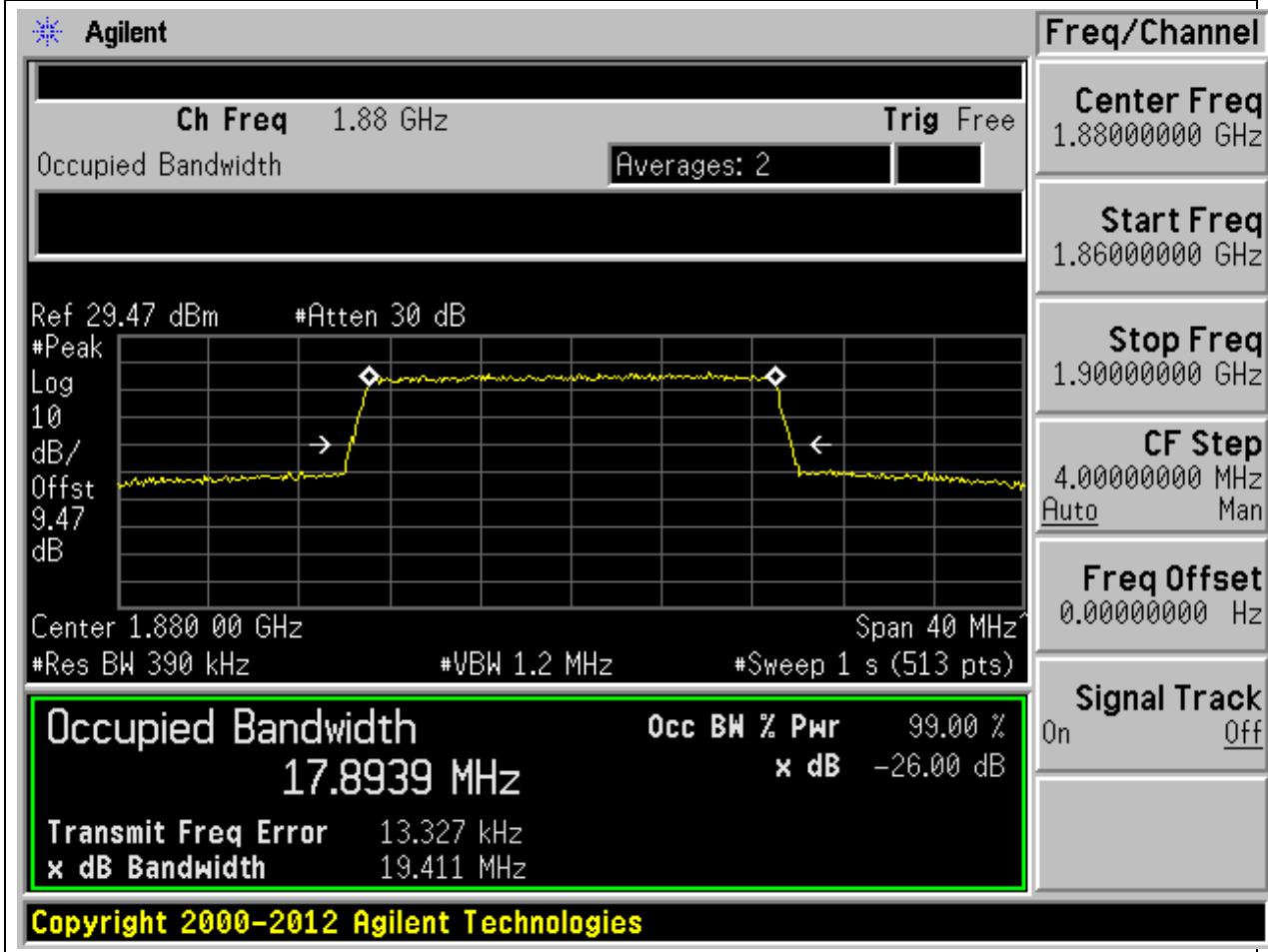
**8.33. LTE Occupied Bandwidth(NTNV)(Subtest:33, Channel:18900, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)**

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	17.93	19.31	20	Pass



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

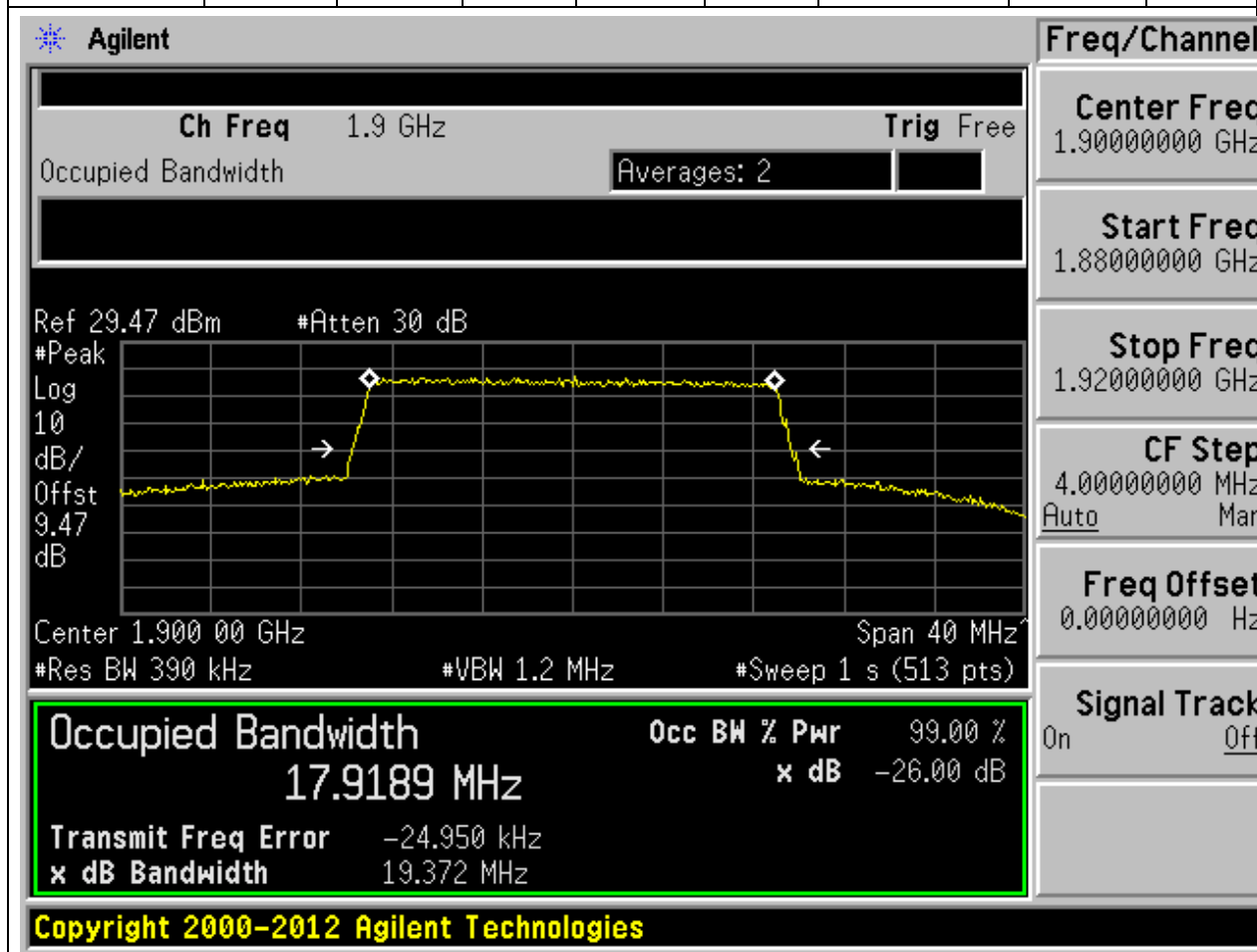
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	0.39	Peak	17.89	19.41	20	Pass





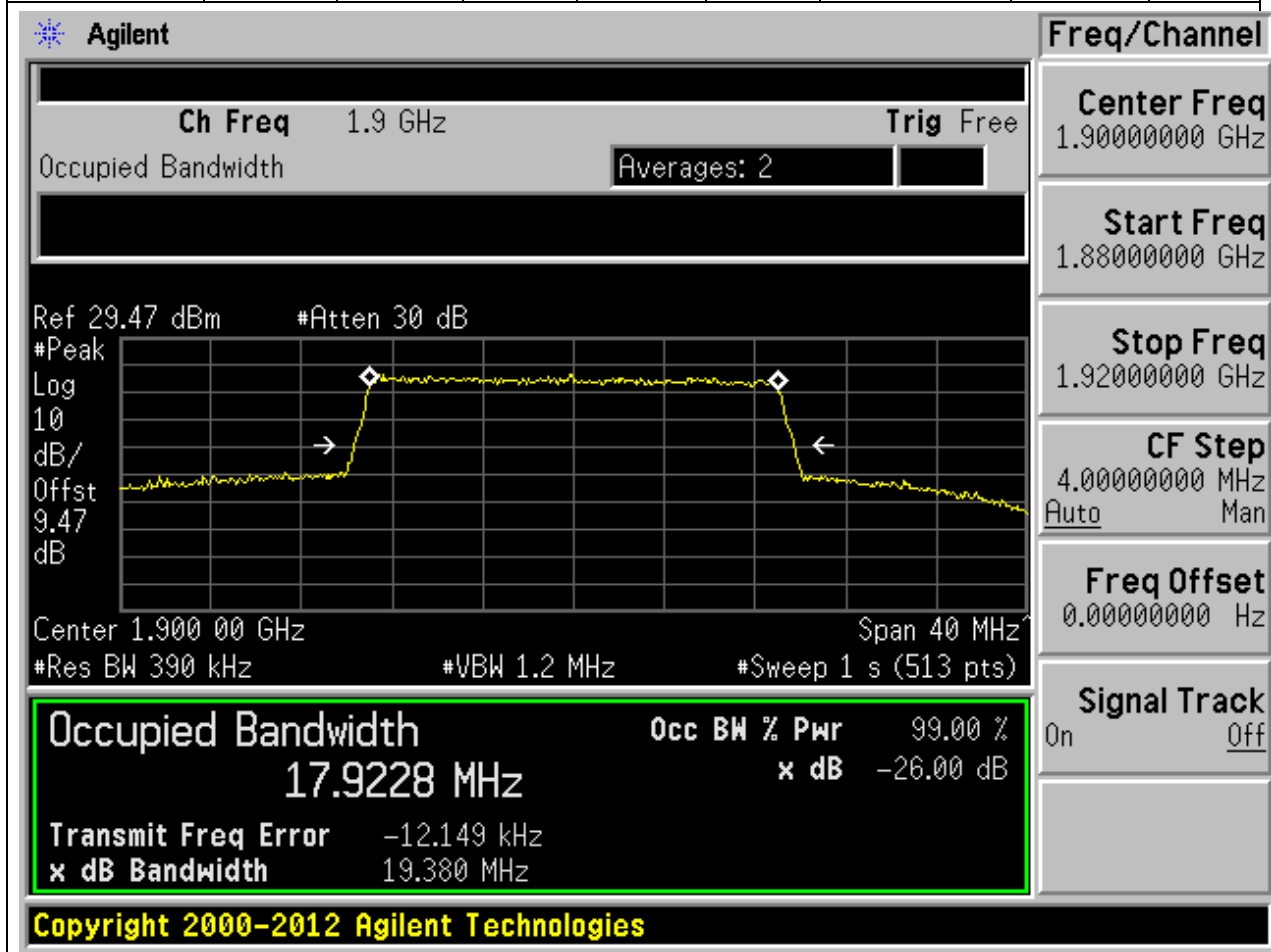
**8.35. LTE Occupied Bandwidth(NTNV)(Subtest:35, Channel:19100, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)**

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	17.92	19.37	20	Pass



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

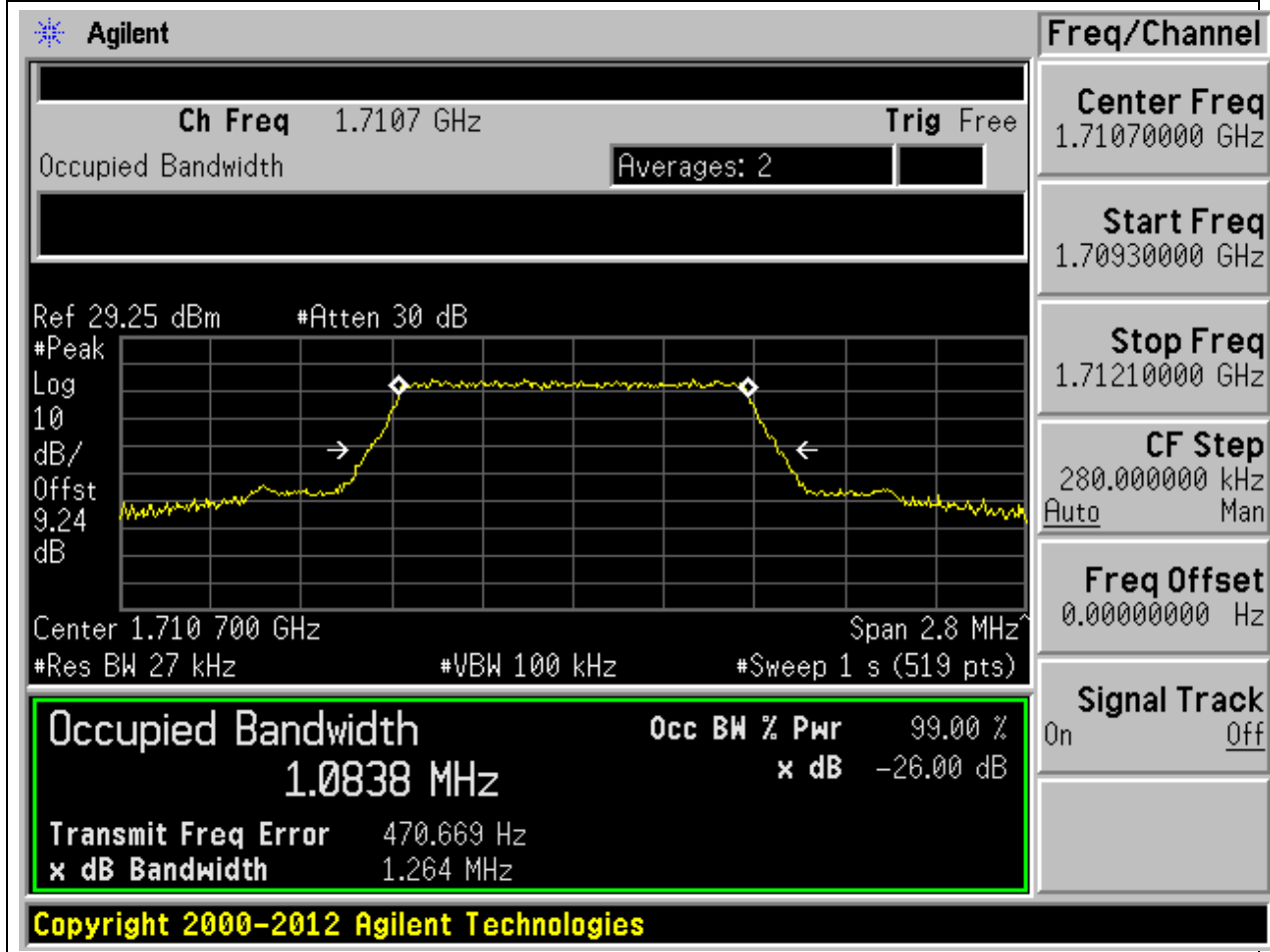
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1900	99	26	0.39	Peak	17.92	19.38	20	Pass



## 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	1.08	1.26	1.4	Pass



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

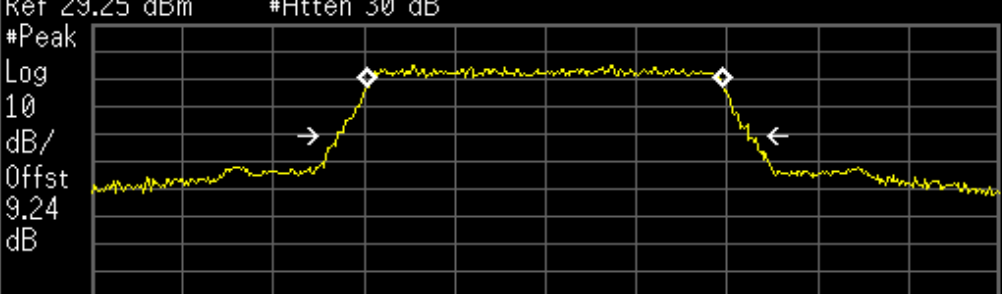
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1710.7	99	26	0.027	Peak	1.09	1.27	1.4	Pass

Agilent
Freq/Channel

Ch Freq 1.7107 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.25 dBm #Atten 30 dB



Center 1.710 700 GHz Span 2.8 MHz

#Res BW 27 kHz #VBW 100 kHz #Sweep 1 s (519 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**

**1.0946 MHz**

Occ BW % Pwr 99.00 %

x dB -26.00 dB

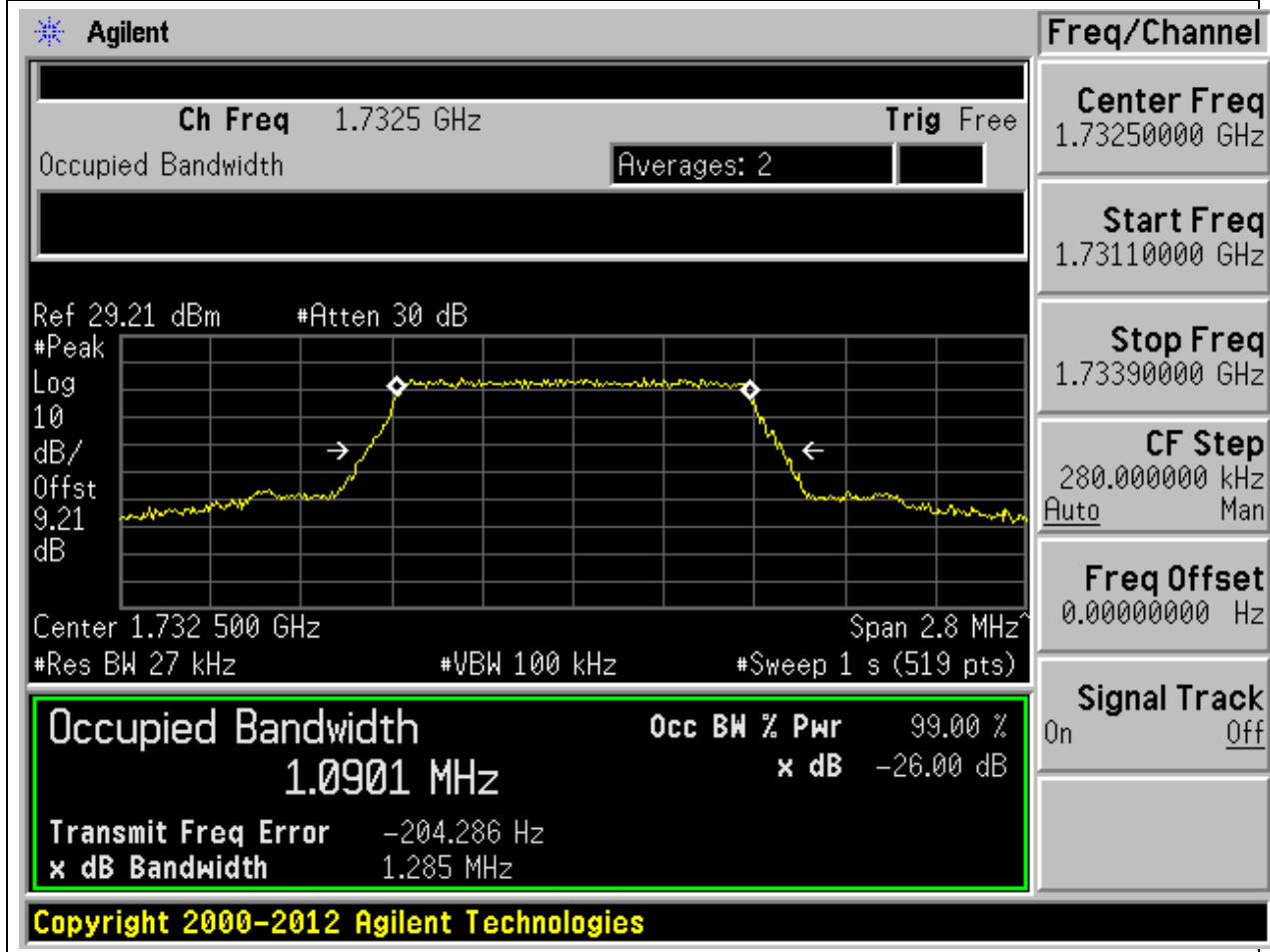
Transmit Freq Error -2.403 kHz

x dB Bandwidth 1.272 MHz

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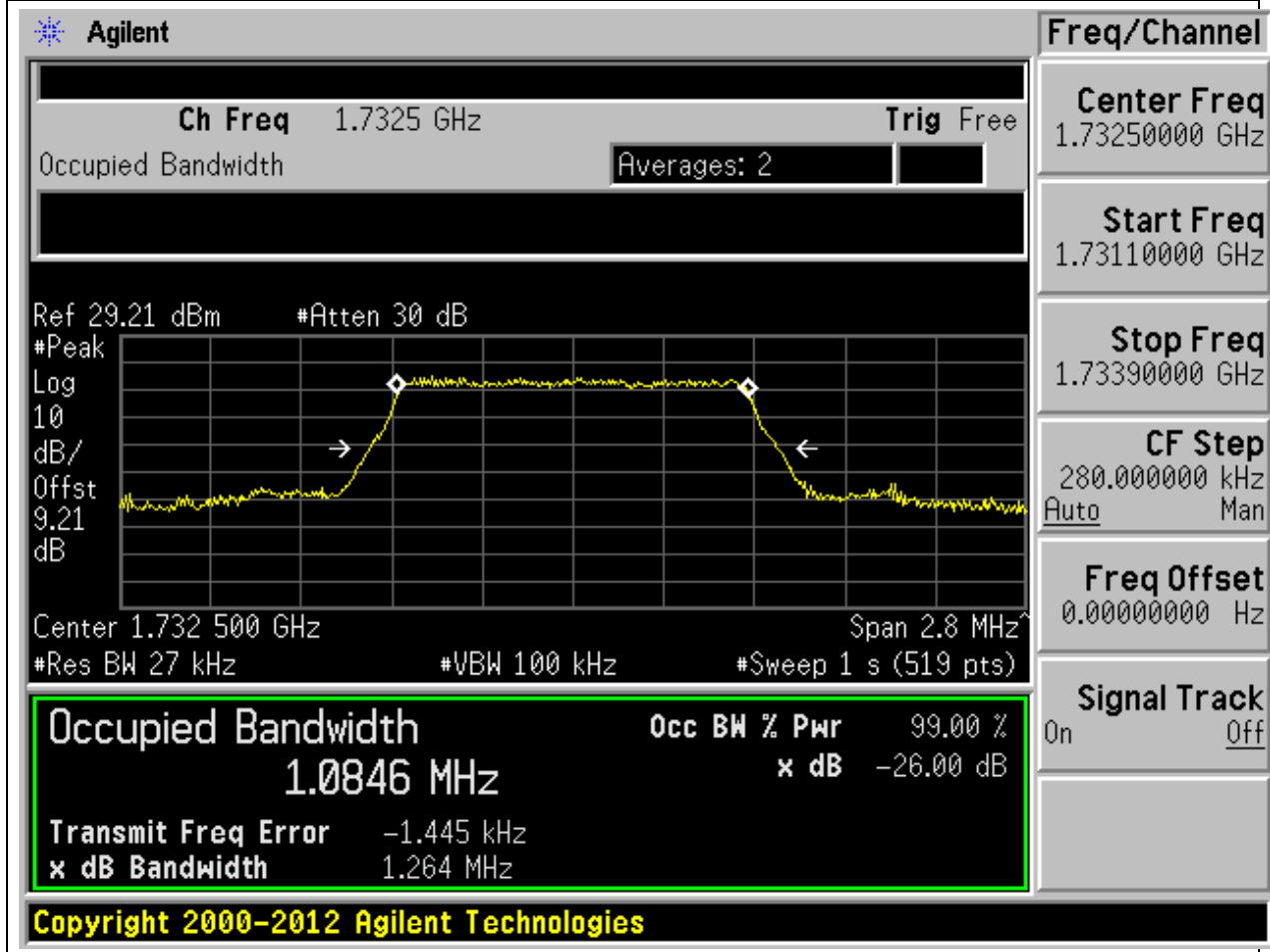
**9.3. LTE Occupied Bandwidth(NTNV)(Subtest:3, Channel:20175, Bandwidth:1.4, Modulation:QPSK, RB Number: 6, RB Position:LOW)**

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	1.09	1.29	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	1.08	1.26	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	1.09	1.26	1.4	Pass

**Agilent** Freq/Channel

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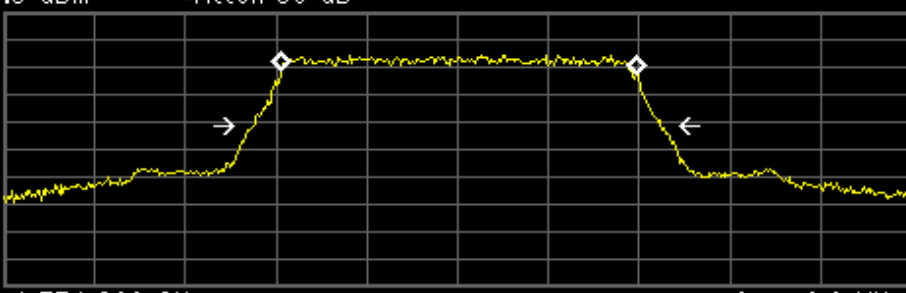
**Ch Freq** 1.7543 GHz **Trig** Free

Occupied Bandwidth Averages: 2

---

Ref 29.3 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 9.3 dB



Center 1.754 300 GHz Span 2.8 MHz

#Res BW 27 kHz #VBW 100 kHz #Sweep 1 s (519 pts)

---

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
1.0923 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	610.903 Hz	
<b>x dB Bandwidth</b>	1.261 MHz	

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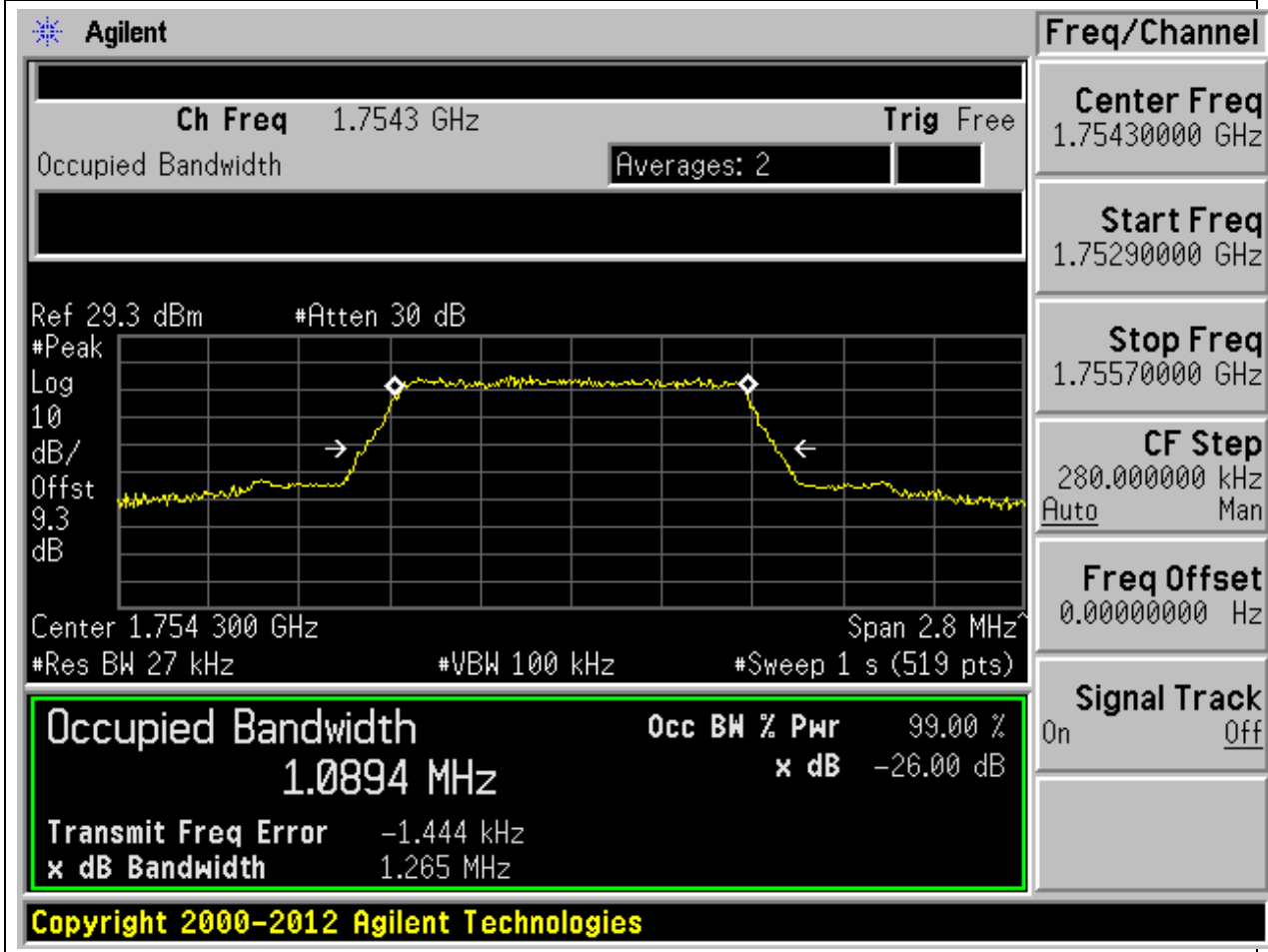
**Signal Track** On Off

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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	1.09	1.27	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	2.69	2.97	3	Pass

**Agilent** Freq/Channel

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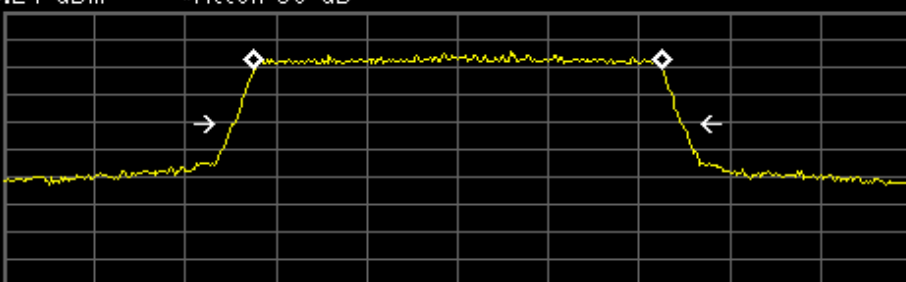
**Ch Freq** 1.7115 GHz **Trig** Free

Occupied Bandwidth Averages: 2

---

Ref 29.24 dBm #Atten 30 dB

#Peak  
Log  
10  
dB/  
Offst  
9.24  
dB



Center 1.711 500 GHz Span 6 MHz

#Res BW 62 kHz #VBW 200 kHz #Sweep 1 s (484 pts)

---

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
2.6899 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> 553.718 Hz	
<b>x dB Bandwidth</b> 2.974 MHz	

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**Freq/Channel**

**Center Freq** 1.71150000 GHz

**Start Freq** 1.70850000 GHz

**Stop Freq** 1.71450000 GHz

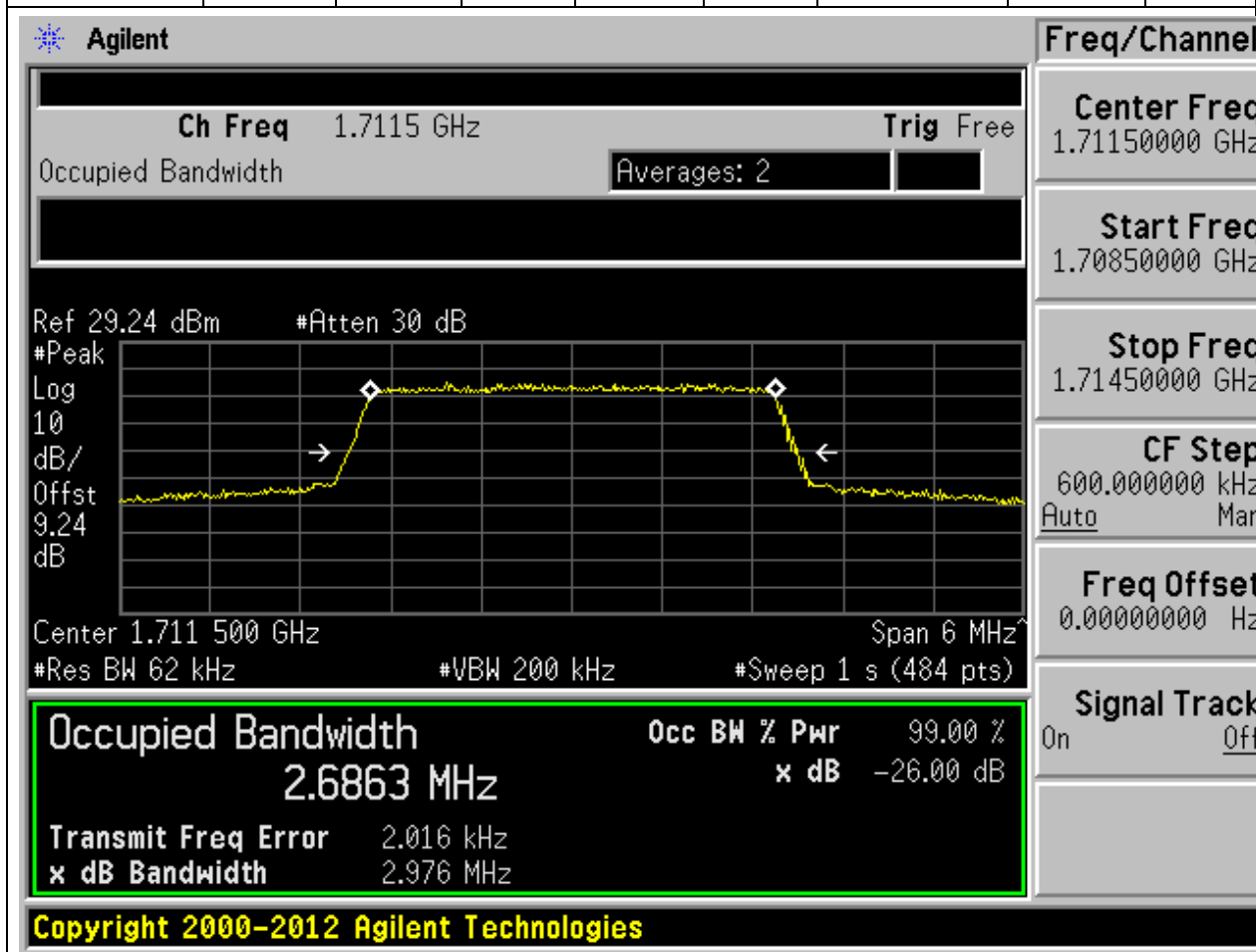
**CF Step** 600.000000 kHz  
Auto Man

**Freq Offset** 0.00000000 Hz

**Signal Track** On Off

**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	2.69	2.98	3	Pass



**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	2.69	2.97	3	Pass

**Agilent** Freq/Channel

---

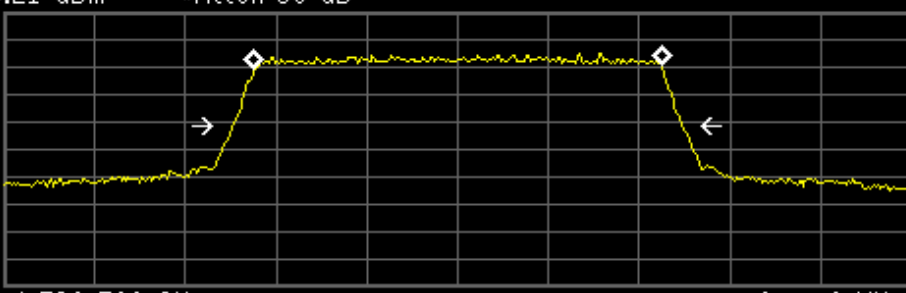
**Ch Freq** 1.7325 GHz **Trig** Free

Occupied Bandwidth Averages: 2

---

Ref 29.21 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 9.21 dB



Center 1.732 500 GHz Span 6 MHz

#Res BW 62 kHz #VBW 200 kHz #Sweep 1 s (484 pts)

---

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
2.6867 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	628.717 Hz	
<b>x dB Bandwidth</b>	2.972 MHz	

---

**Signal Track** On Off

---

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

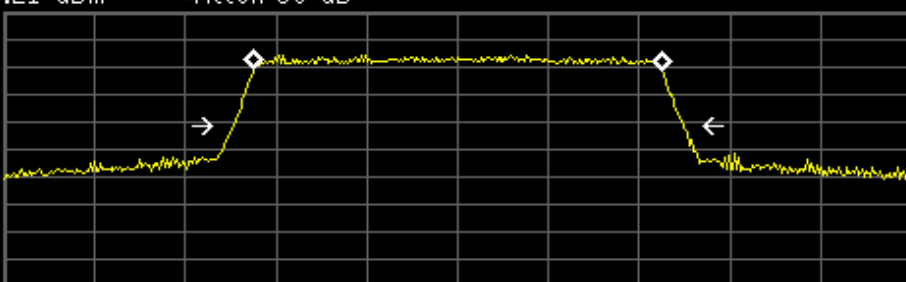
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1732.5	99	26	0.062	Peak	2.69	2.99	3	Pass

Agilent
Freq/Channel

Ch Freq 1.7325 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.21 dBm #Atten 30 dB



Center 1.732 500 GHz Span 6 MHz

#Res BW 62 kHz #VBW 200 kHz #Sweep 1 s (484 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 %

2.6855 MHz

x dB -26.00 dB

Transmit Freq Error -2.157 kHz

x dB Bandwidth 2.986 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)**

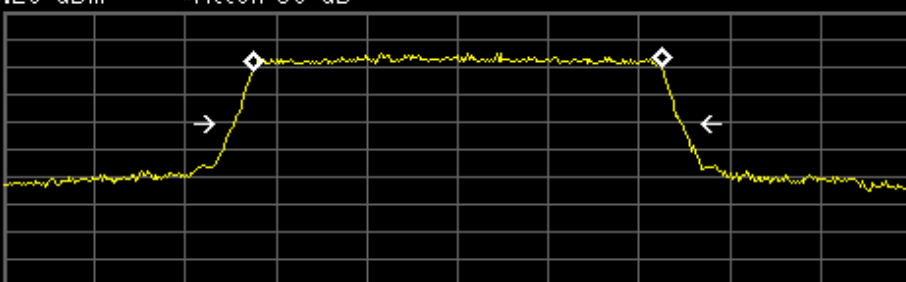
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1753.5	99	26	0.062	Peak	2.69	2.97	3	Pass

**Agilent**
**Freq/Channel**

**Ch Freq** 1.7535 GHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Ref 29.29 dBm #Atten 30 dB



Center 1.753 500 GHz Span 6 MHz

#Res BW 62 kHz #VBW 200 kHz #Sweep 1 s (484 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**  
2.6894 MHz

**Transmit Freq Error** -2.909 kHz

**x dB Bandwidth** 2.972 MHz

**Occ BW % Pwr** 99.00 %

**x dB** -26.00 dB

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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	2.68	2.96	3	Pass

**Agilent** Freq/Channel

---

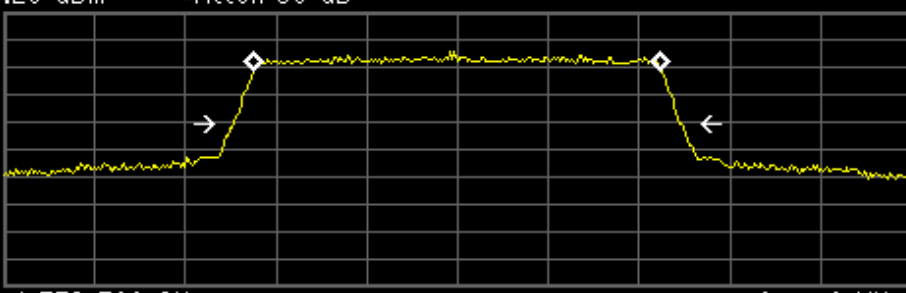
**Ch Freq** 1.7535 GHz **Trig** Free

Occupied Bandwidth Averages: 2

---

Ref 29.29 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 9.29 dB



Center 1.753 500 GHz Span 6 MHz

#Res BW 62 kHz #VBW 200 kHz #Sweep 1 s (484 pts)

---

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
2.6824 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	-963.281 Hz	
<b>x dB Bandwidth</b>	2.965 MHz	

---

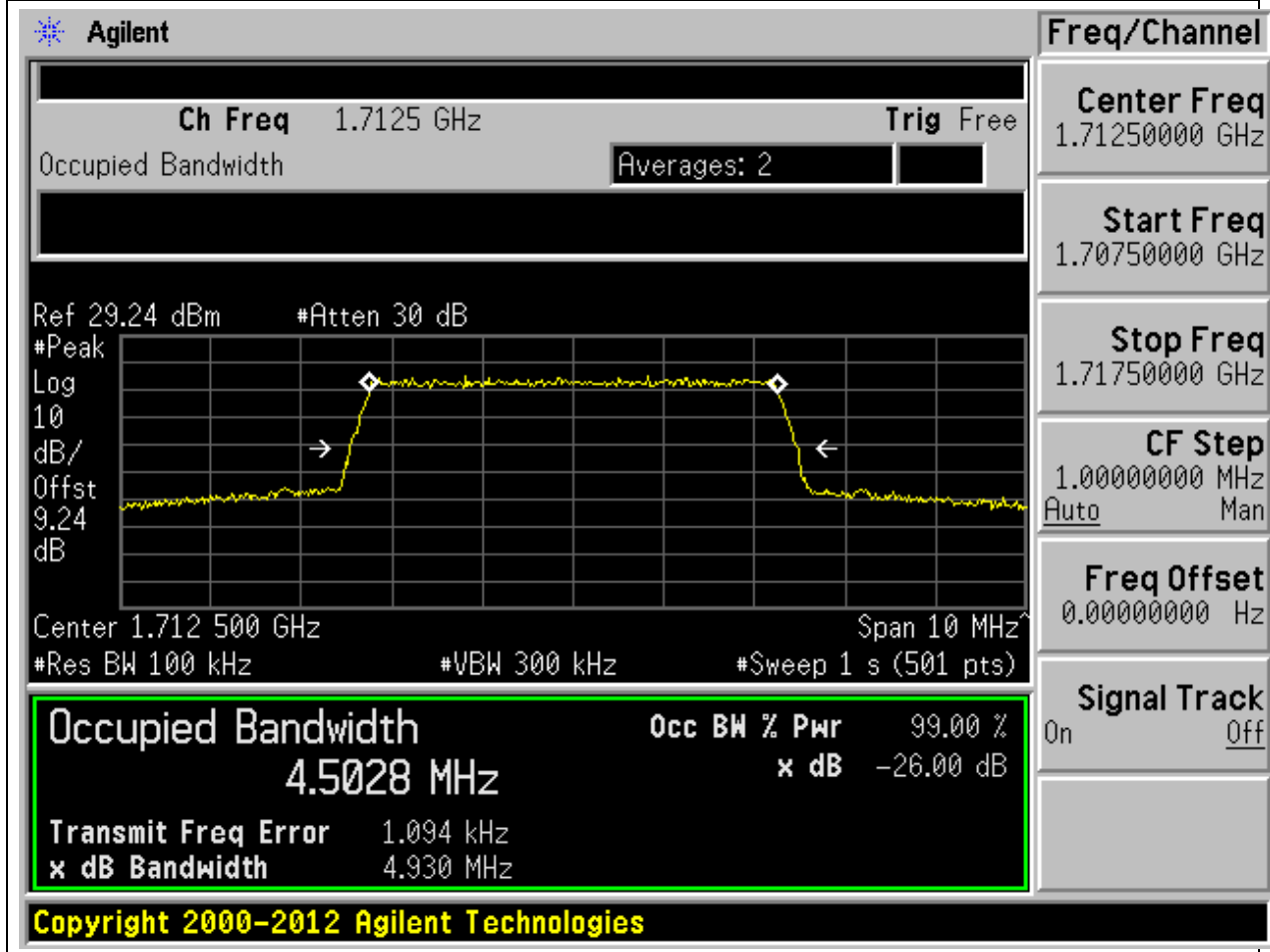
**Signal Track** On Off

---

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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	4.5	4.93	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	4.49	4.9	5	Pass

**Agilent** Freq/Channel

---

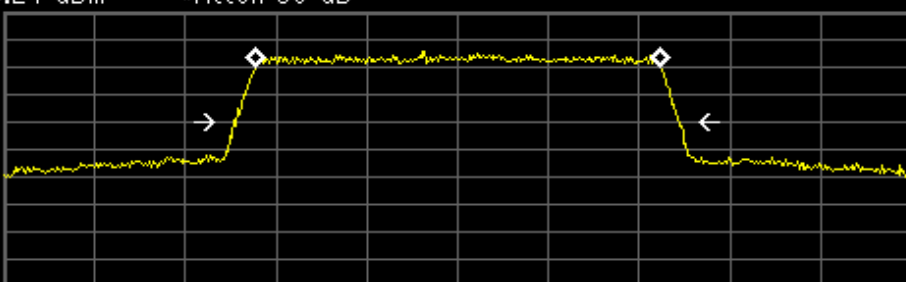
**Ch Freq** 1.7125 GHz **Trig** Free

Occupied Bandwidth Averages: 2

---

Ref 29.24 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 9.24 dB



Center 1.712 500 GHz Span 10 MHz

#Res BW 100 kHz #VBW 300 kHz #Sweep 1 s (501 pts)

---

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
4.4880 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	592.273 Hz	
<b>x dB Bandwidth</b>	4.896 MHz	

---

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**Freq/Channel**

**Center Freq**  
1.71250000 GHz

**Start Freq**  
1.70750000 GHz

**Stop Freq**  
1.71750000 GHz

**CF Step**  
1.00000000 MHz  
Auto Man

**Freq Offset**  
0.00000000 Hz

**Signal Track**  
On Off



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

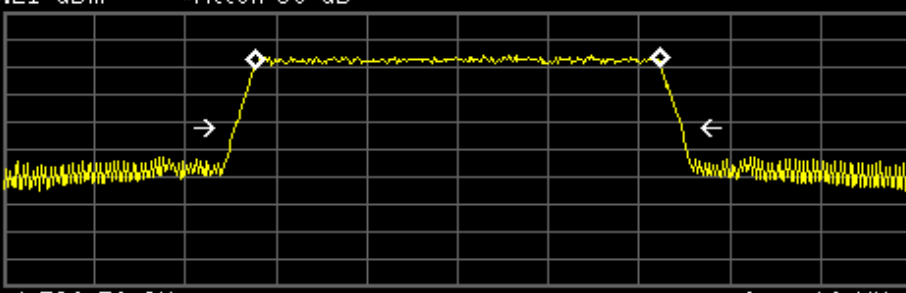
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1732.5	99	26	0.1	Peak	4.49	4.9	5	Pass

Agilent
Freq/Channel

Ch Freq 1.7325 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.21 dBm #Atten 30 dB



Center 1.732 50 GHz Span 10 MHz

#Res BW 100 kHz #VBW 300 kHz #Sweep 1 s (501 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**

**4.4892 MHz**

Transmit Freq Error -2.575 kHz

x dB Bandwidth 4.903 MHz

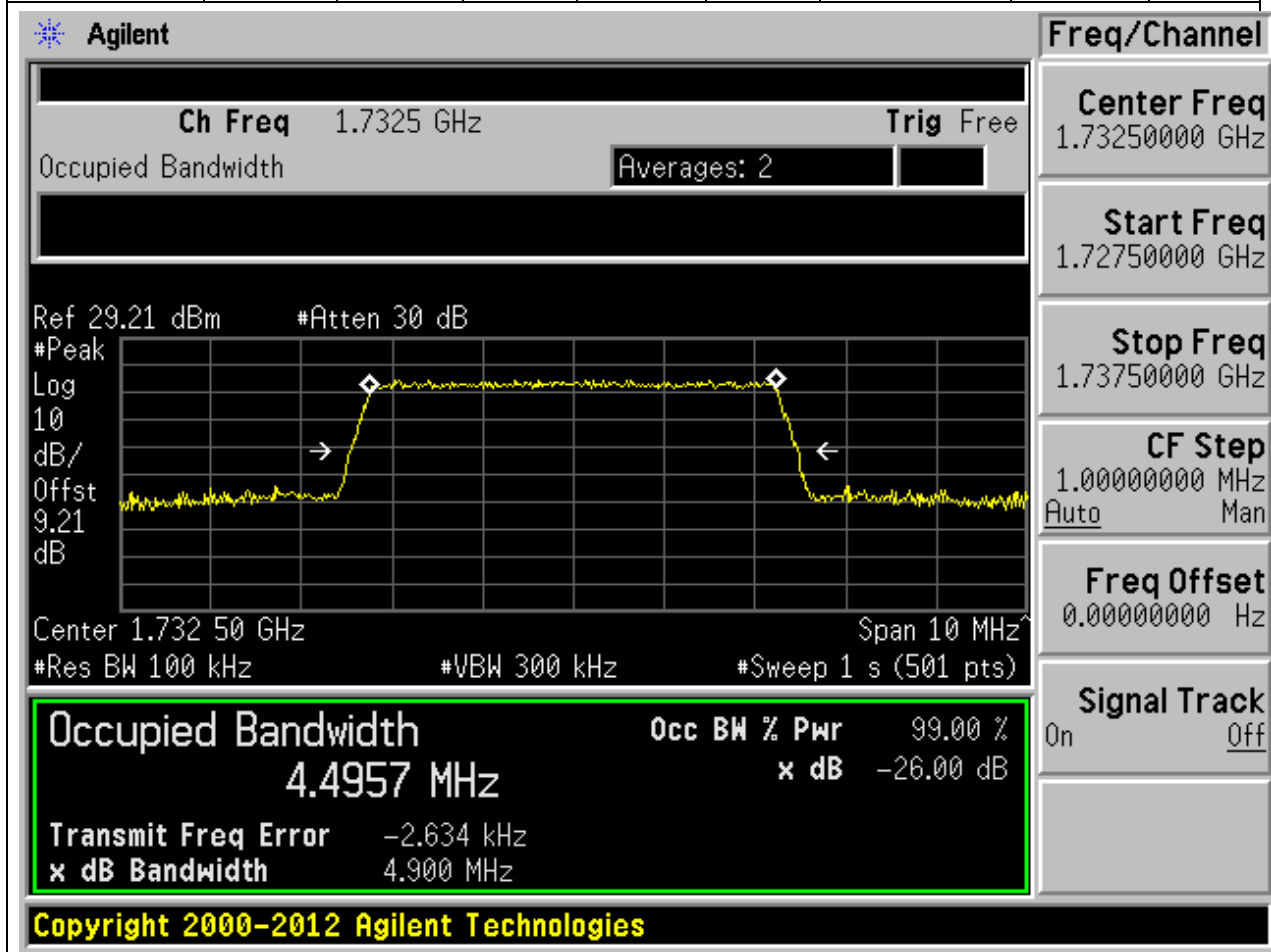
Occ BW % Pwr 99.00 %

x dB -26.00 dB

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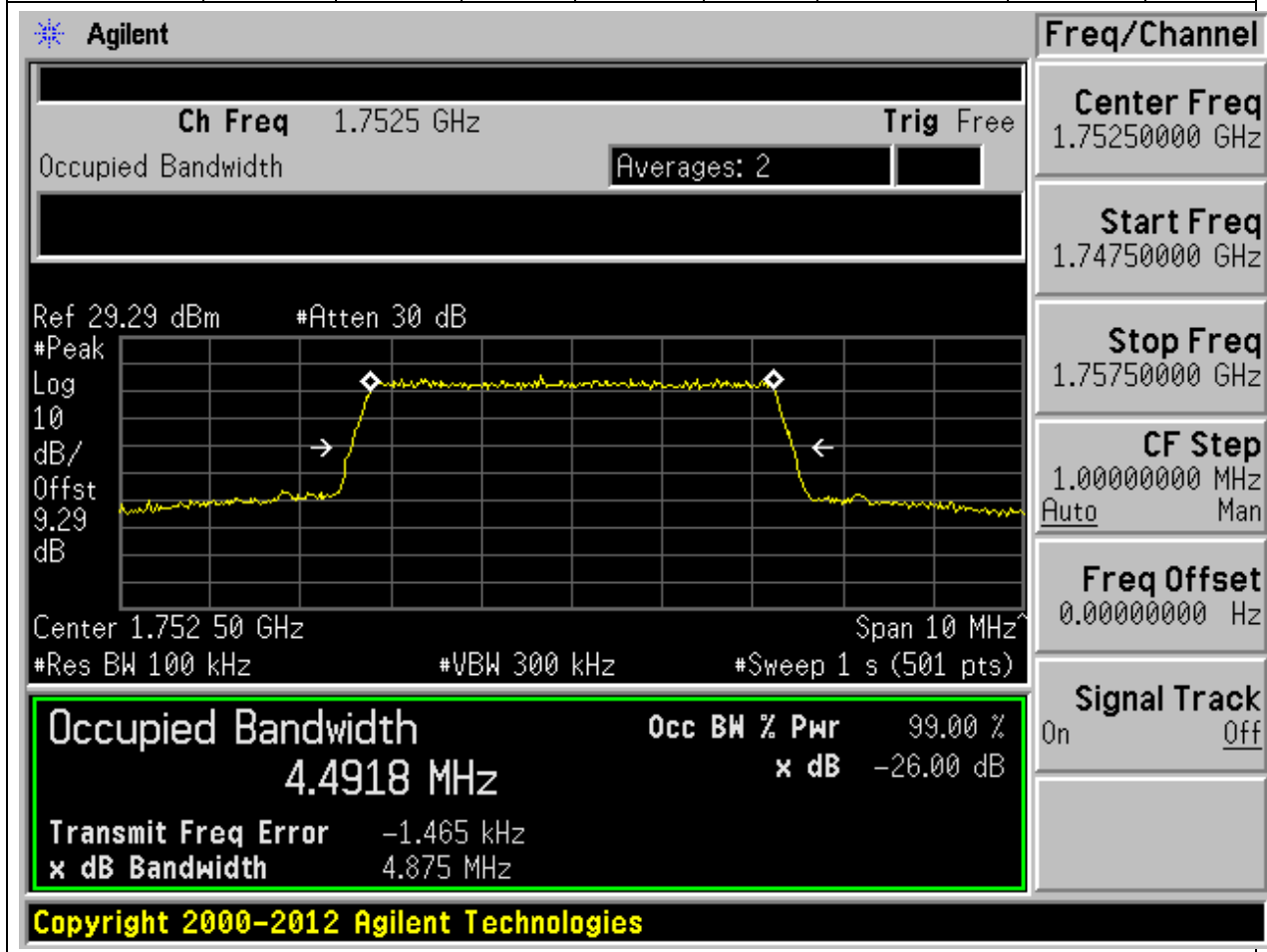
**9.16. LTE Occupied Bandwidth(NTNV)(Subtest:16, Channel:20175, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)**

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	4.9	5	Pass



**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	4.49	4.87	5	Pass



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

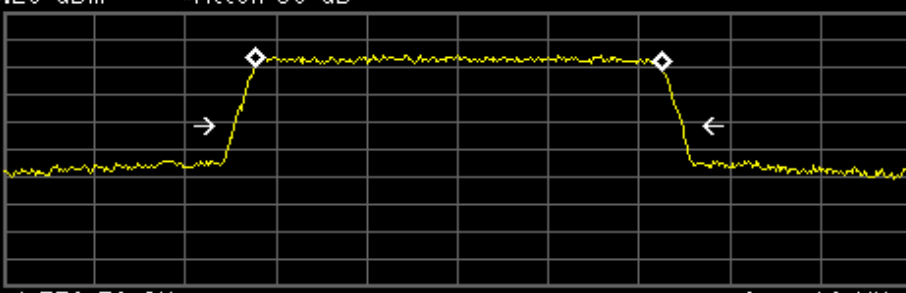
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1752.5	99	26	0.1	Peak	4.5	4.92	5	Pass

Agilent
Freq/Channel

Ch Freq 1.7525 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.29 dBm #Atten 30 dB



Center 1.752 50 GHz Span 10 MHz

#Res BW 100 kHz #VBW 300 kHz #Sweep 1 s (501 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**

**4.4995 MHz**

Transmit Freq Error 1.707 kHz

x dB Bandwidth 4.924 MHz

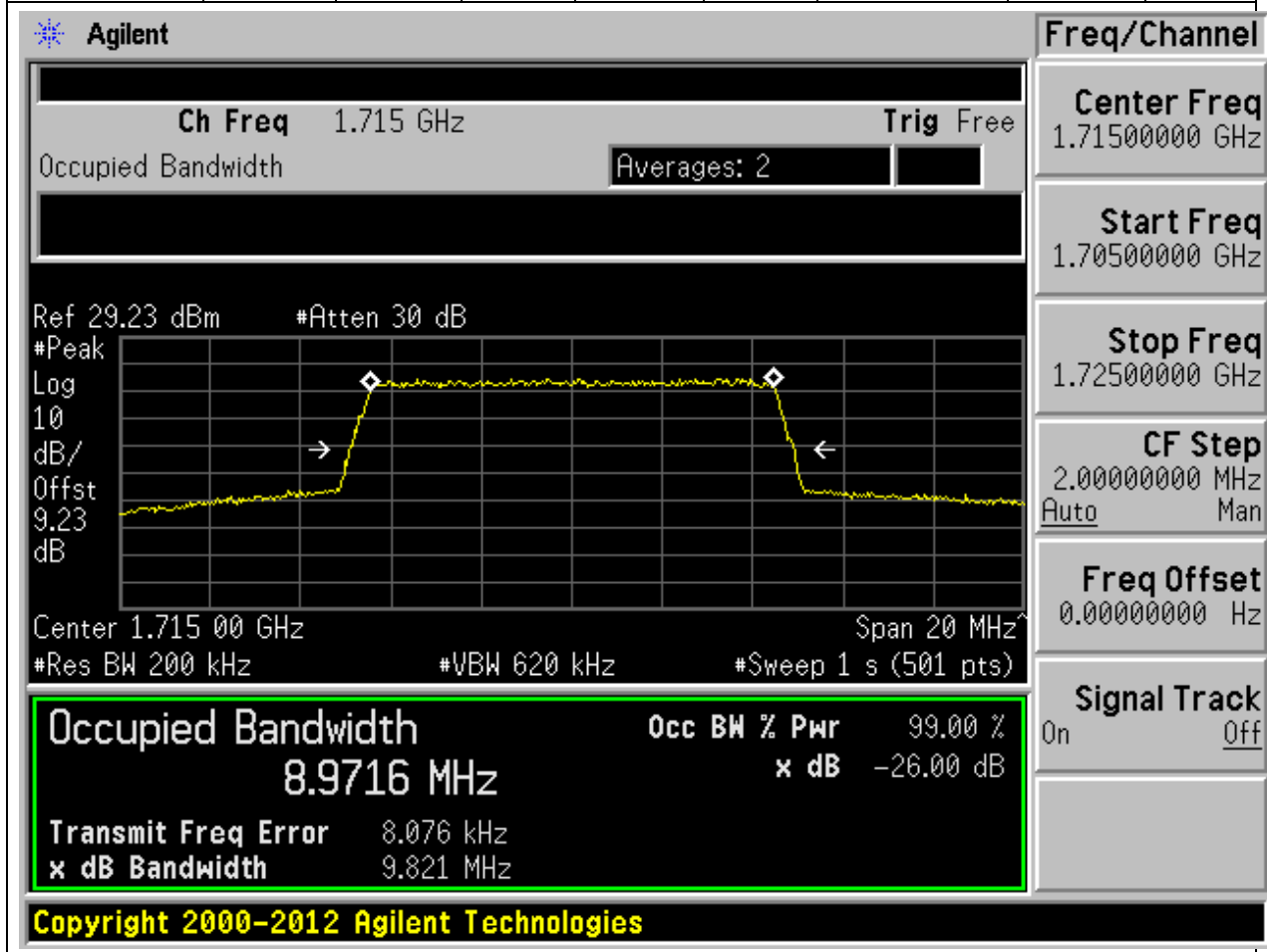
Occ BW % Pwr 99.00 %

x dB -26.00 dB

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1715	99	26	0.2	Peak	8.97	9.82	10	Pass



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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1715	99	26	0.2	Peak	8.96	9.72	10	Pass

**Agilent** Freq/Channel

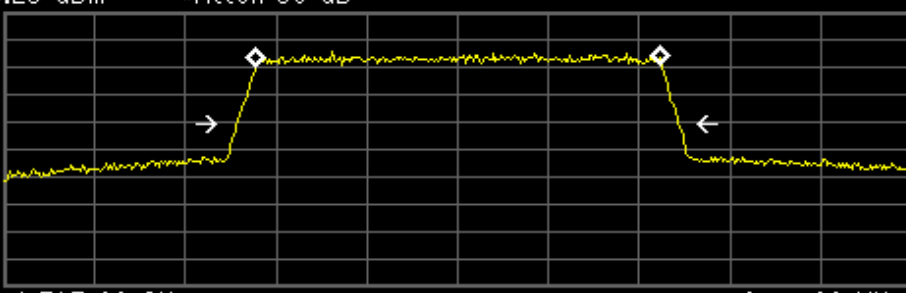
---

**Ch Freq** 1.715 GHz **Trig** Free

Occupied Bandwidth Averages: 2

---

Ref 29.23 dBm #Atten 30 dB



#Peak Log 10 dB/Offst 9.23 dB

Center 1.715 00 GHz Span 20 MHz

#Res BW 200 kHz #VBW 620 kHz #Sweep 1 s (501 pts)

---

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
<b>8.9623 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		13.721 kHz
<b>x dB Bandwidth</b>		9.721 MHz

---

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**Freq/Channel**

**Center Freq** 1.71500000 GHz

**Start Freq** 1.70500000 GHz

**Stop Freq** 1.72500000 GHz

**CF Step** 2.00000000 MHz  
Auto Man

**Freq Offset** 0.00000000 Hz

**Signal Track** On Off

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1732.5	99	26	0.2	Peak	8.96	9.74	10	Pass

**Agilent** Freq/Channel

---

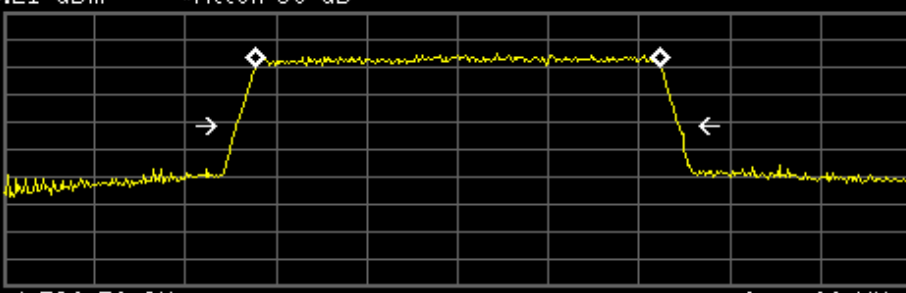
**Ch Freq** 1.7325 GHz **Trig** Free

Occupied Bandwidth Averages: 2

---

Ref 29.21 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 9.21 dB



Center 1.732 50 GHz Span 20 MHz

#Res BW 200 kHz #VBW 620 kHz #Sweep 1 s (501 pts)

---

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
8.9573 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	3.012 kHz	
<b>x dB Bandwidth</b>	9.738 MHz	

---

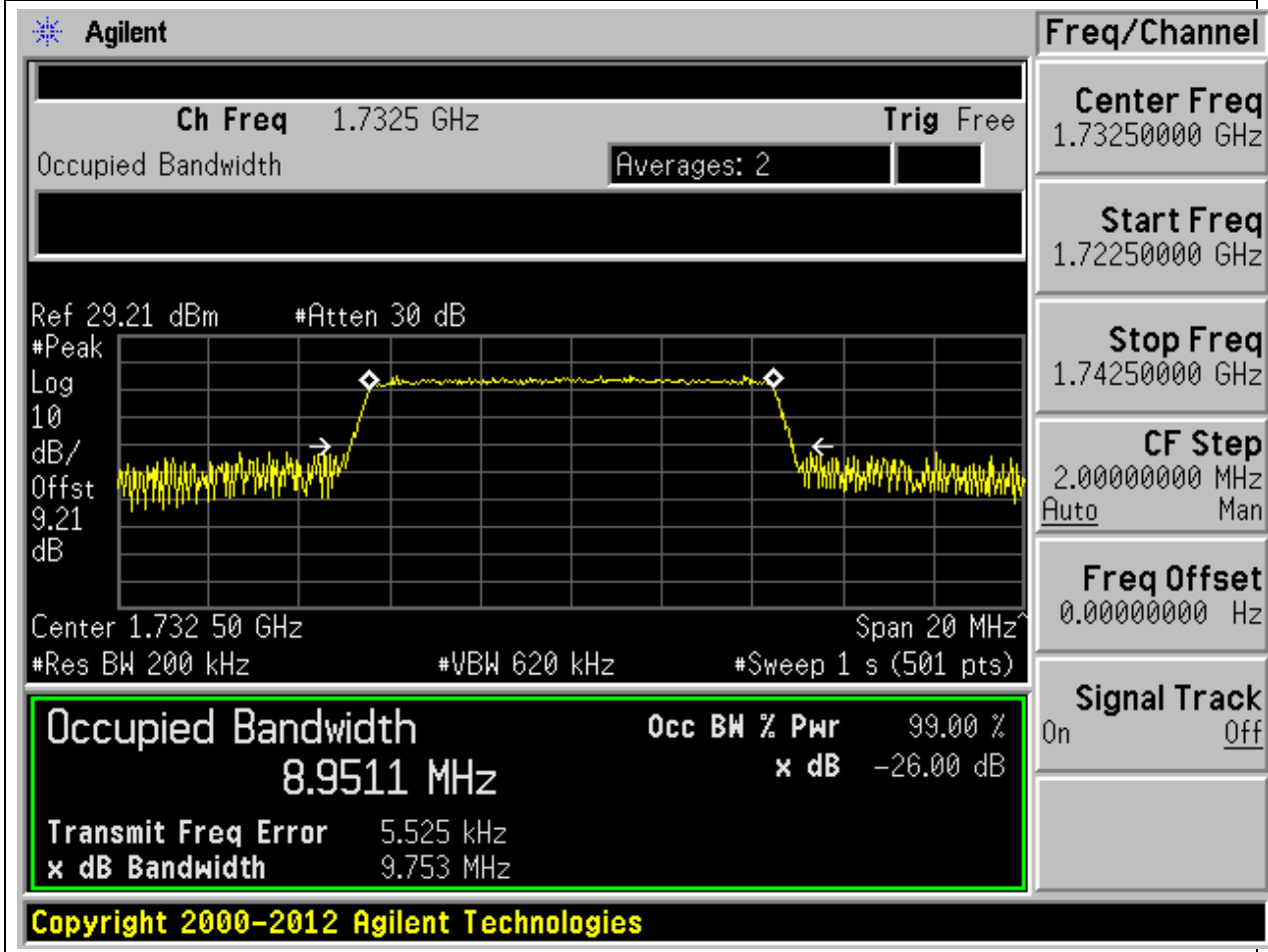
**Signal Track** On Off

---

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

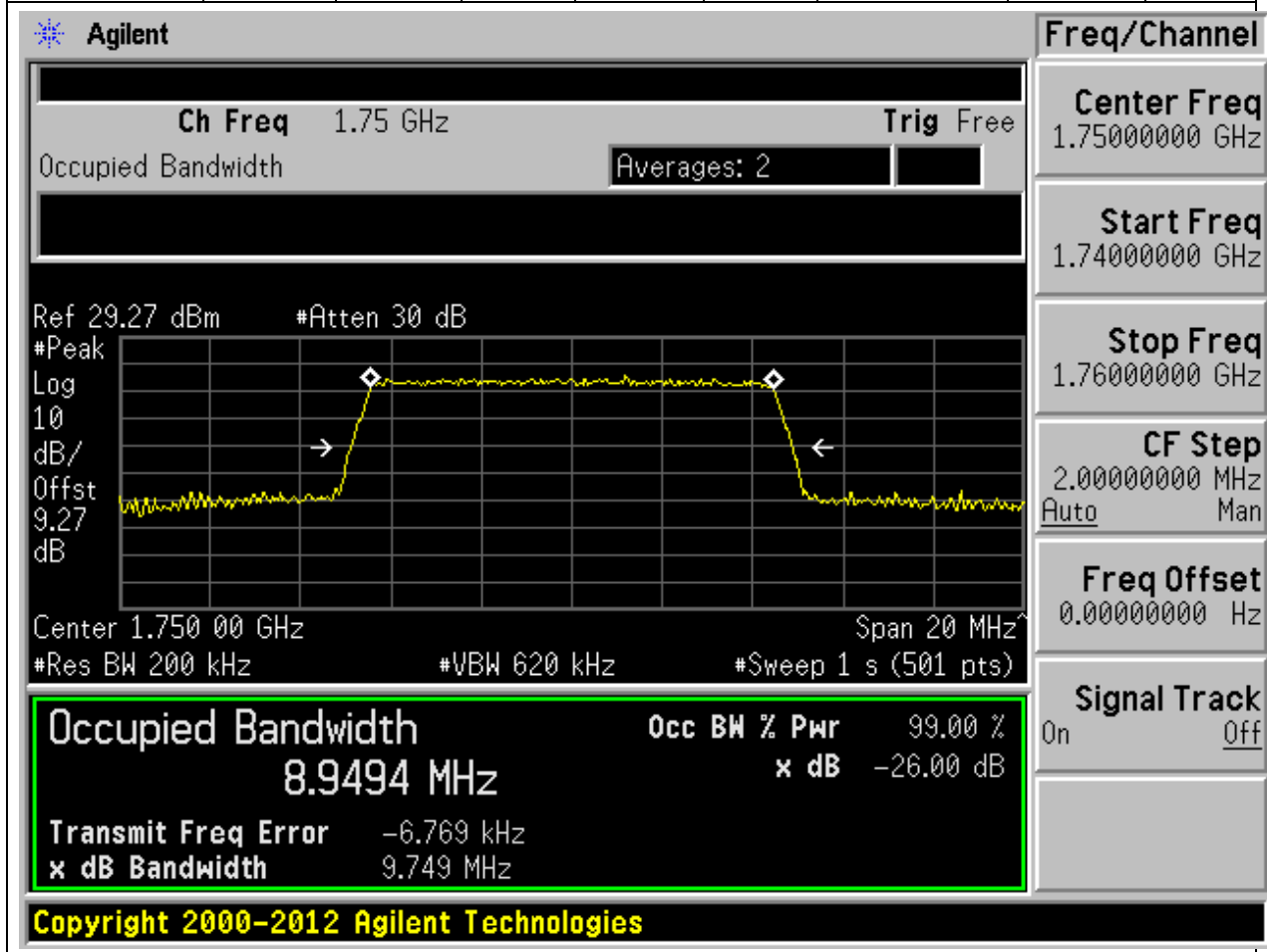
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1732.5	99	26	0.2	Peak	8.95	9.75	10	Pass





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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1750	99	26	0.2	Peak	8.95	9.75	10	Pass



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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1750	99	26	0.2	Peak	8.95	9.74	10	Pass

**Agilent** Freq/Channel

---

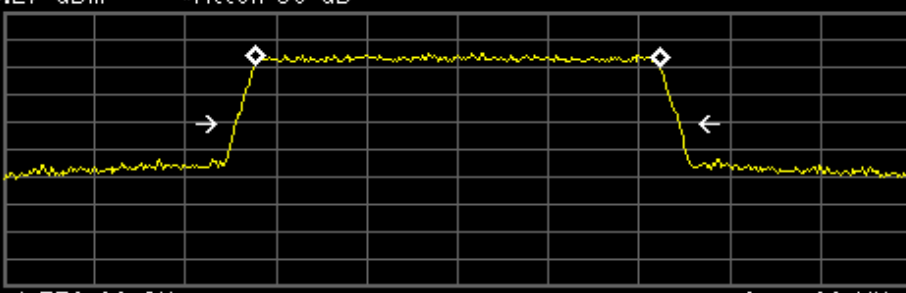
**Ch Freq** 1.75 GHz **Trig** Free

Occupied Bandwidth Averages: 2

---

Ref 29.27 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 9.27 dB



Center 1.750 00 GHz Span 20 MHz

#Res BW 200 kHz #VBW 620 kHz #Sweep 1 s (501 pts)

---

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
8.9518 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	-16.854 kHz	
<b>x dB Bandwidth</b>	9.742 MHz	

---

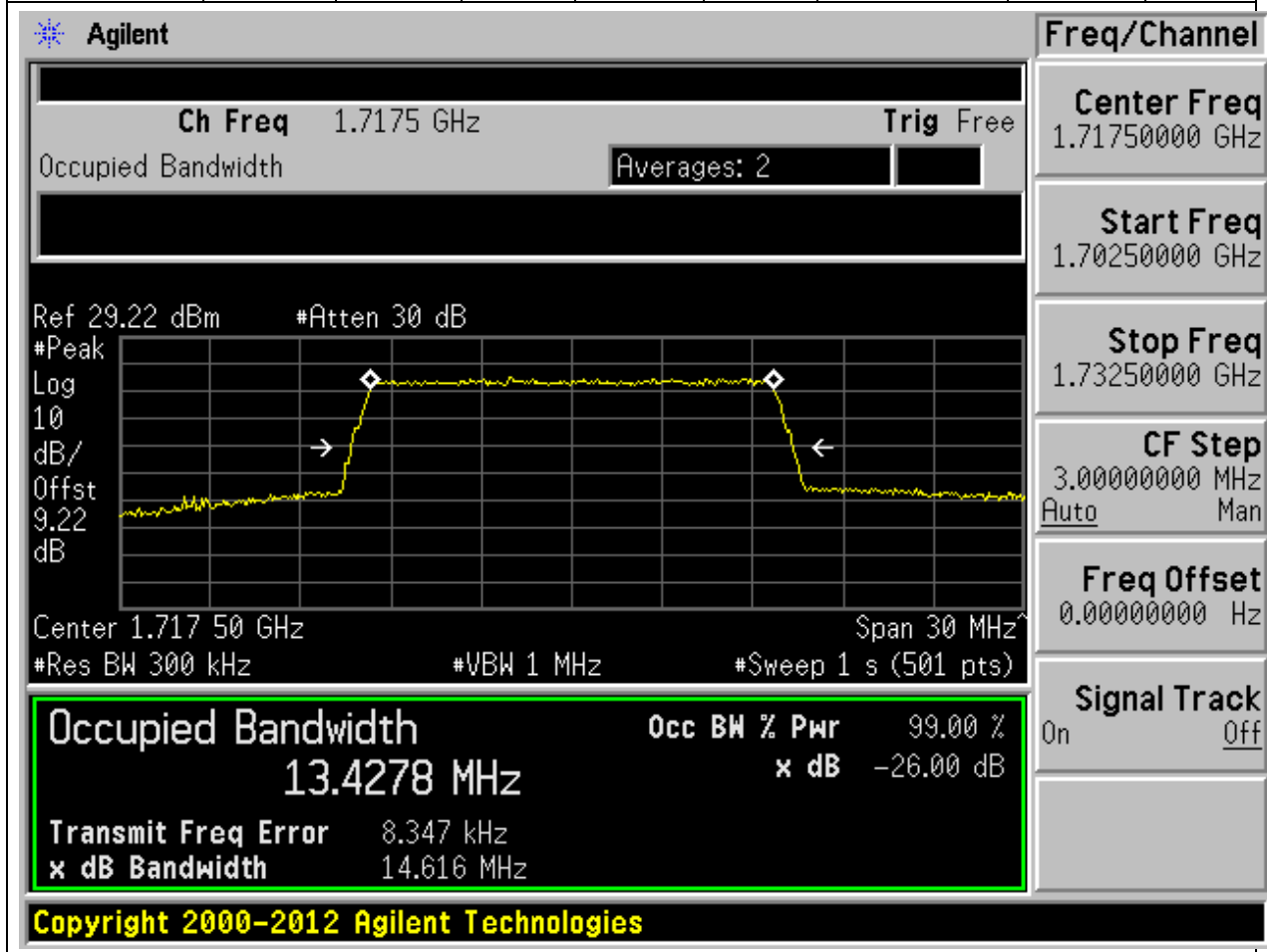
**Signal Track** On Off

---

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1717.5	99	26	0.3	Peak	13.43	14.62	15	Pass



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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1717.5	99	26	0.3	Peak	13.46	14.56	15	Pass

**Agilent** Freq/Channel

---

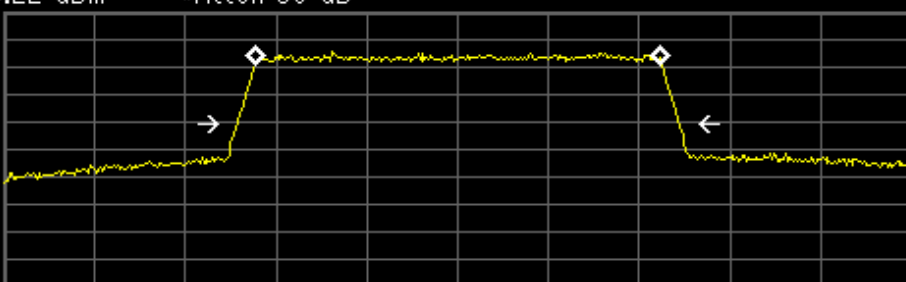
**Ch Freq** 1.7175 GHz **Trig** Free

Occupied Bandwidth Averages: 2

---

Ref 29.22 dBm #Atten 30 dB

#Peak  
Log  
10  
dB/  
Offst  
9.22  
dB



Center 1.717 50 GHz Span 30 MHz

#Res BW 300 kHz #VBW 1 MHz #Sweep 1 s (501 pts)

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

13.4596 MHz x dB -26.00 dB

Transmit Freq Error 17.779 kHz

x dB Bandwidth 14.564 MHz

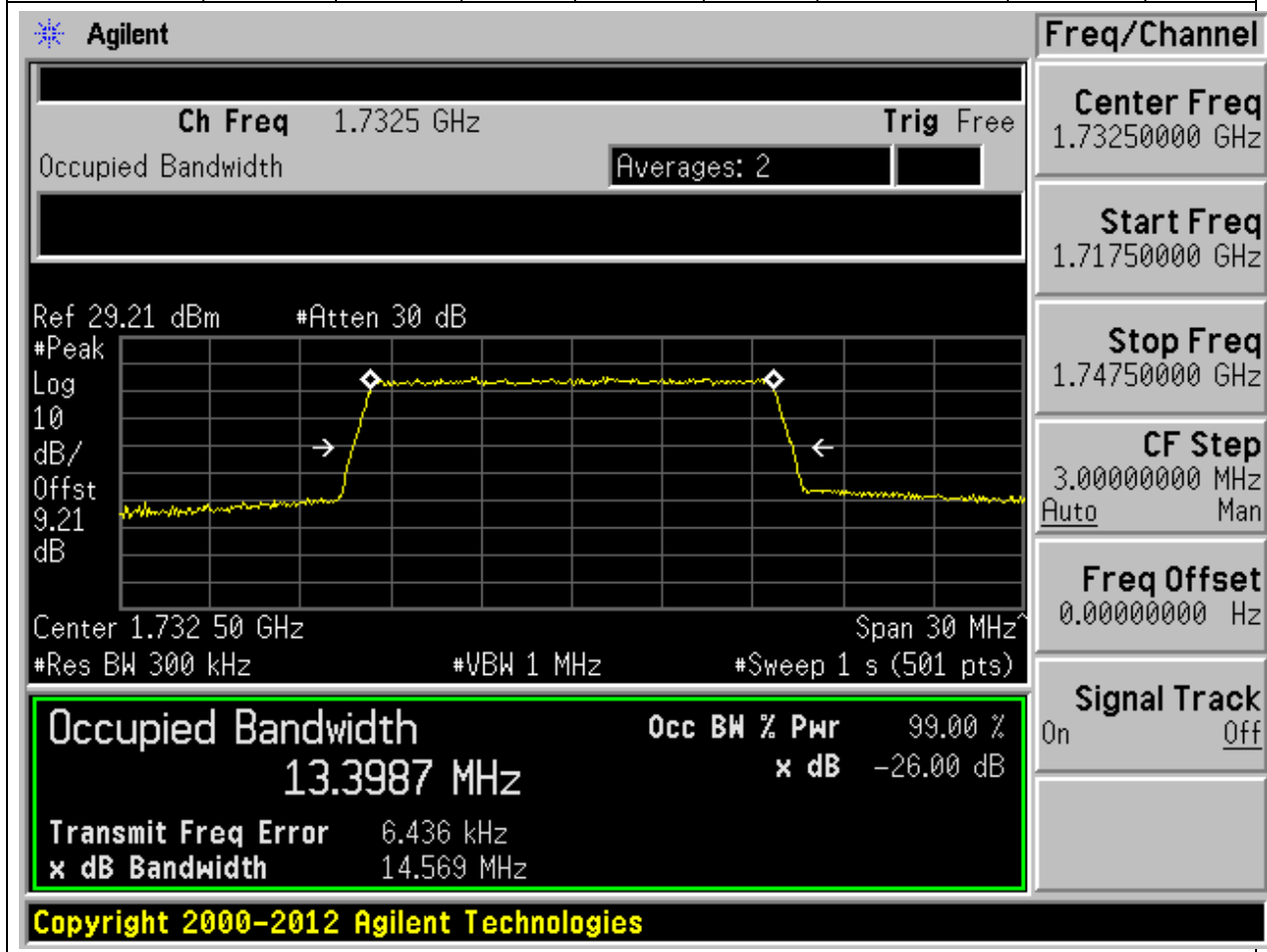
**Signal Track**  
On Off

---

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1732.5	99	26	0.3	Peak	13.4	14.57	15	Pass



**9.28. LTE Occupied Bandwidth(NTNV)(Subtest:28, 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	14.6	15	Pass

**Agilent** Freq/Channel

---

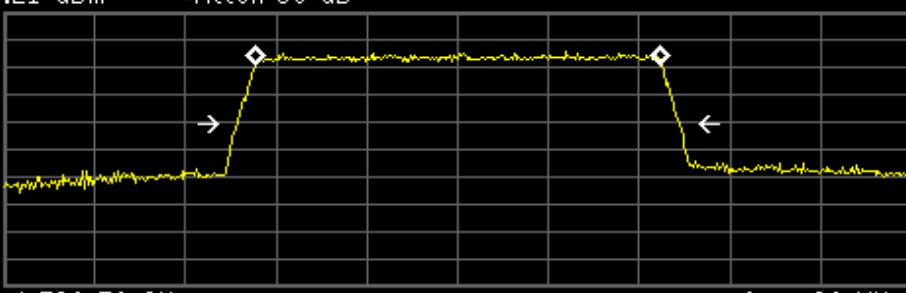
**Ch Freq** 1.7325 GHz **Trig** Free

Occupied Bandwidth Averages: 2

---

Ref 29.21 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 9.21 dB



Center 1.732 50 GHz Span 30 MHz

#Res BW 300 kHz #VBW 1 MHz #Sweep 1 s (501 pts)

---

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
13.4491 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	11.451 kHz	
<b>x dB Bandwidth</b>	14.603 MHz	

---

**Signal Track** On Off

---

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1747.5	99	26	0.3	Peak	13.43	14.64	15	Pass

**Agilent**
**Freq/Channel**

**Ch Freq** 1.7475 GHz **Trig** Free

Occupied Bandwidth **Averages: 2**

**Center Freq**  
1.74750000 GHz

**Start Freq**  
1.73250000 GHz

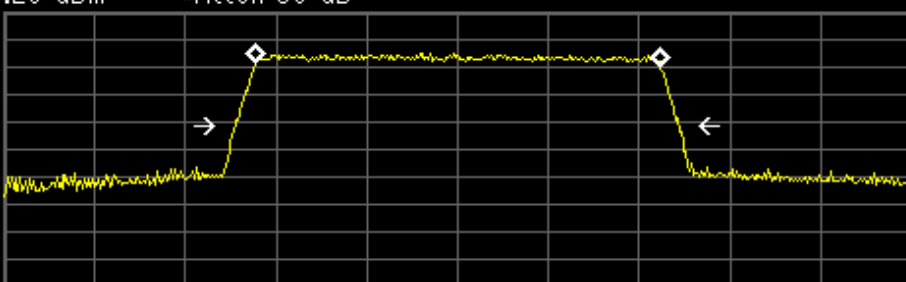
**Stop Freq**  
1.76250000 GHz

**CF Step**  
3.00000000 MHz  
Auto Man

**Freq Offset**  
0.00000000 Hz

**Signal Track**  
On Off

Ref 29.26 dBm #Atten 30 dB



Center 1.747 50 GHz Span 30 MHz  
#Res BW 300 kHz #VBW 1 MHz #Sweep 1 s (501 pts)

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

**13.4299 MHz**                      **x dB**      -26.00 dB

**Transmit Freq Error**      -13.904 kHz

**x dB Bandwidth**              14.637 MHz

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

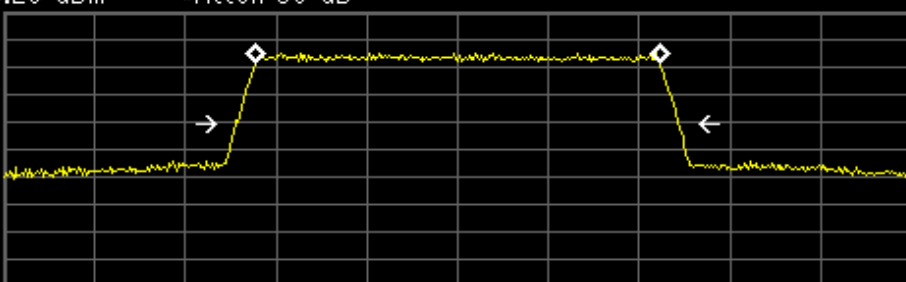
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1747.5	99	26	0.3	Peak	13.44	14.6	15	Pass

Agilent
Freq/Channel

Ch Freq 1.7475 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.26 dBm #Atten 30 dB



Center 1.747 50 GHz Span 30 MHz

#Res BW 300 kHz #VBW 1 MHz #Sweep 1 s (501 pts)

Center Freq 1.74750000 GHz

Start Freq 1.73250000 GHz

Stop Freq 1.76250000 GHz

CF Step 3.00000000 MHz  
Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

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

13.4373 MHz x dB -26.00 dB

Transmit Freq Error -6.299 kHz

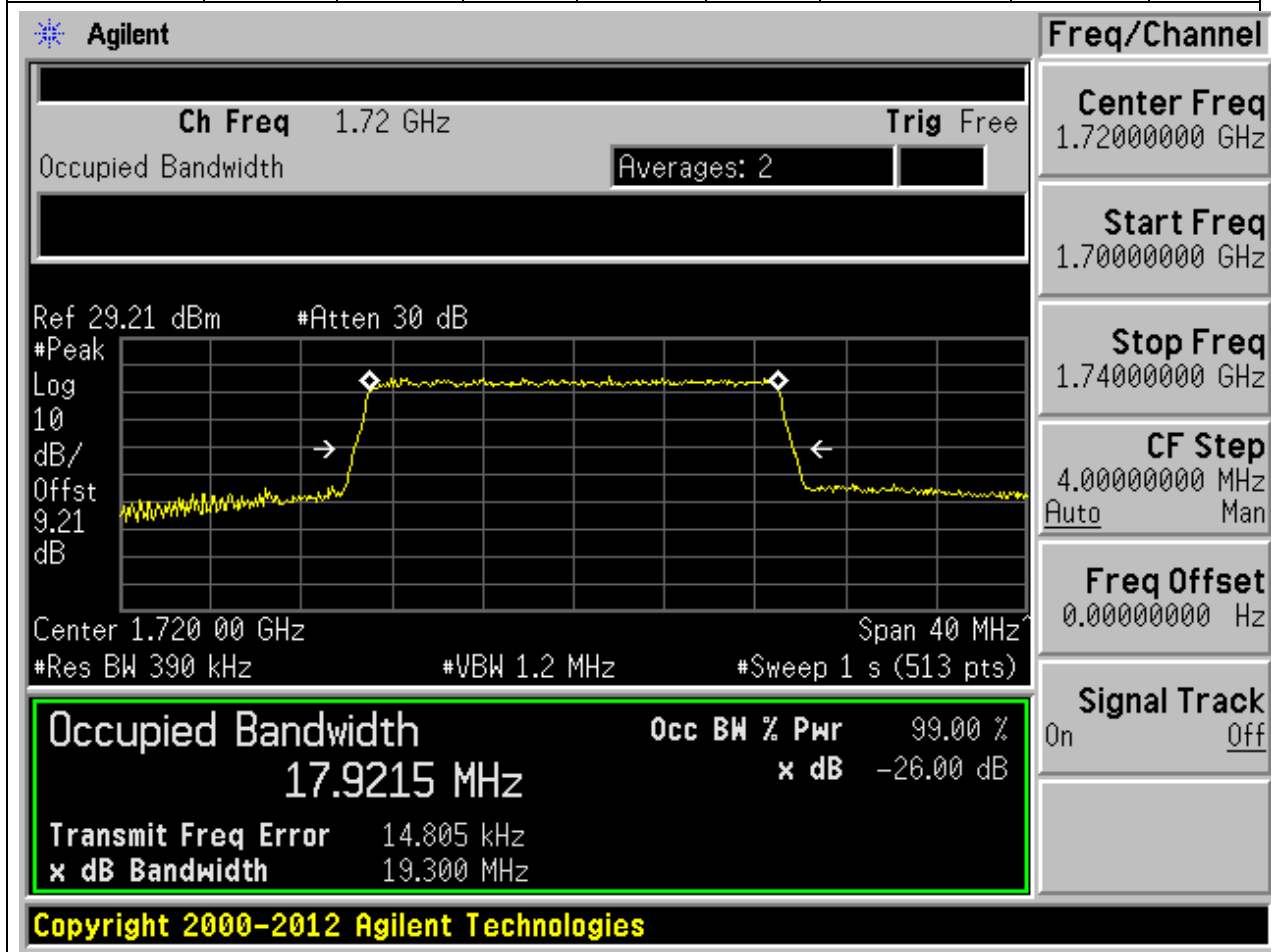
x dB Bandwidth 14.599 MHz

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1720	99	26	0.39	Peak	17.92	19.3	20	Pass



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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1720	99	26	0.39	Peak	17.96	19.41	20	Pass

**Agilent** Freq/Channel

---

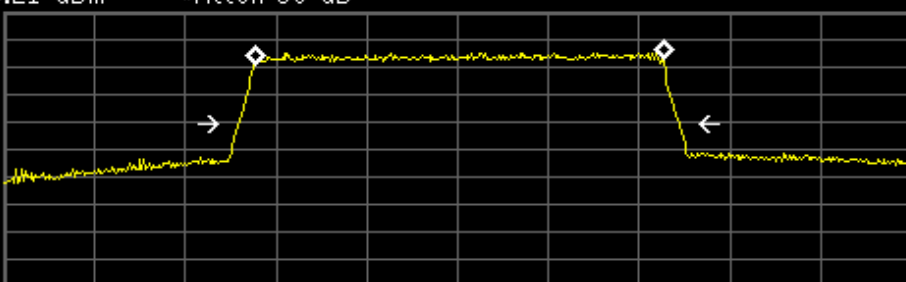
**Ch Freq** 1.72 GHz **Trig** Free

Occupied Bandwidth Averages: 2

---

Ref 29.21 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 9.21 dB



Center 1.720 00 GHz Span 40 MHz

#Res BW 390 kHz #VBW 1.2 MHz #Sweep 1 s (513 pts)

---

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
17.9550 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> 47.954 kHz	
<b>x dB Bandwidth</b> 19.411 MHz	

---

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<b>Center Freq</b> 1.72000000 GHz	<b>Upper Limit</b> 20
<b>Start Freq</b> 1.70000000 GHz	<b>Verdict</b> Pass
<b>Stop Freq</b> 1.74000000 GHz	
<b>CF Step</b> 4.00000000 MHz	
Auto Man	
<b>Freq Offset</b> 0.00000000 Hz	
<b>Signal Track</b> On Off	

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

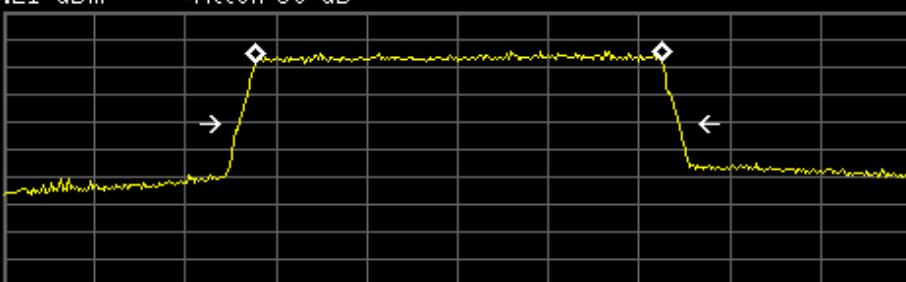
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1732.5	99	26	0.39	Peak	17.88	19.35	20	Pass

Agilent
Freq/Channel

Ch Freq 1.7325 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.21 dBm #Atten 30 dB



Center 1.732 50 GHz Span 40 MHz

#Res BW 390 kHz #VBW 1.2 MHz #Sweep 1 s (513 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** Occ BW % Pwr 99.00 %

17.8821 MHz x dB -26.00 dB

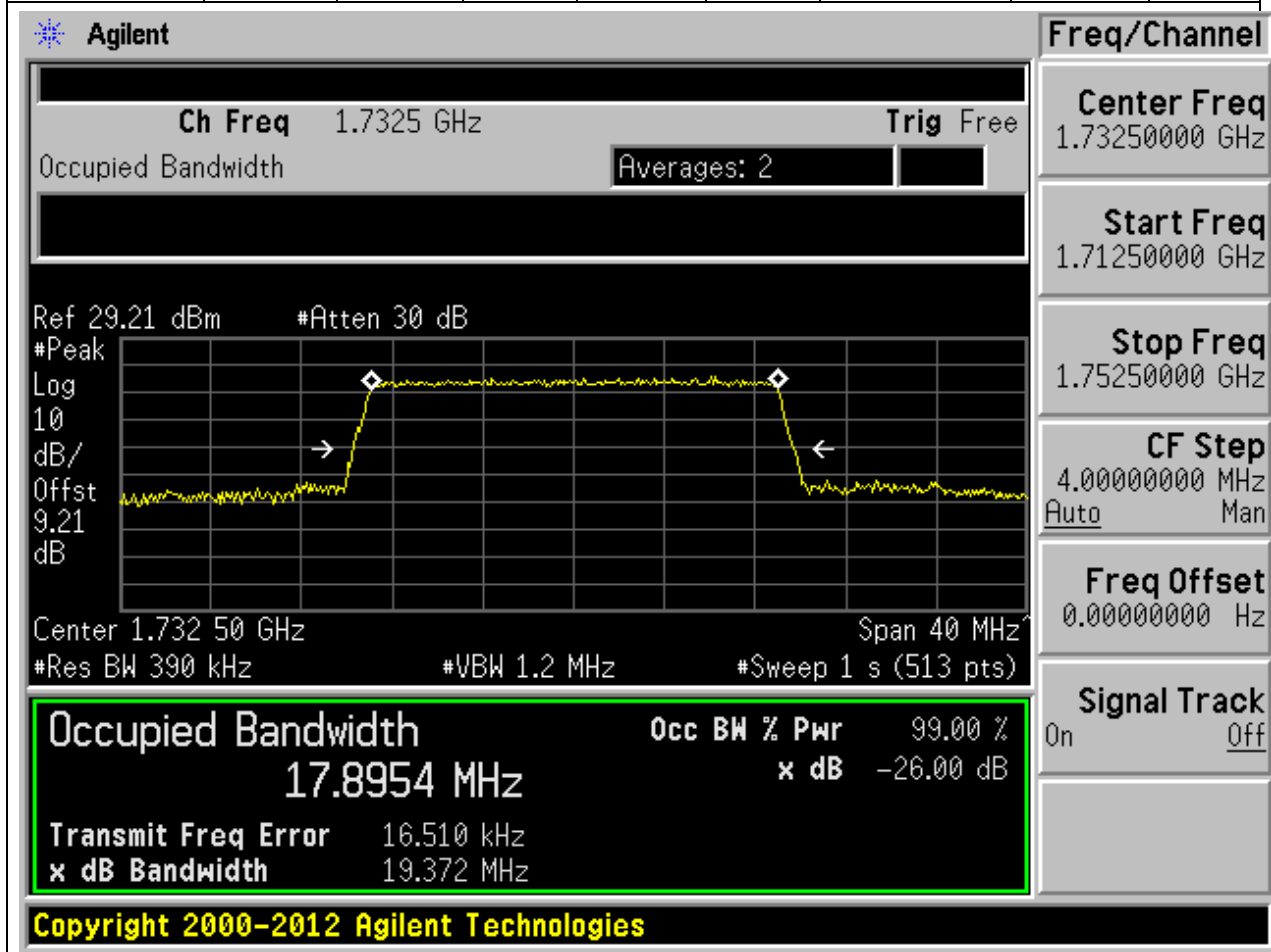
Transmit Freq Error 28.493 kHz

x dB Bandwidth 19.352 MHz

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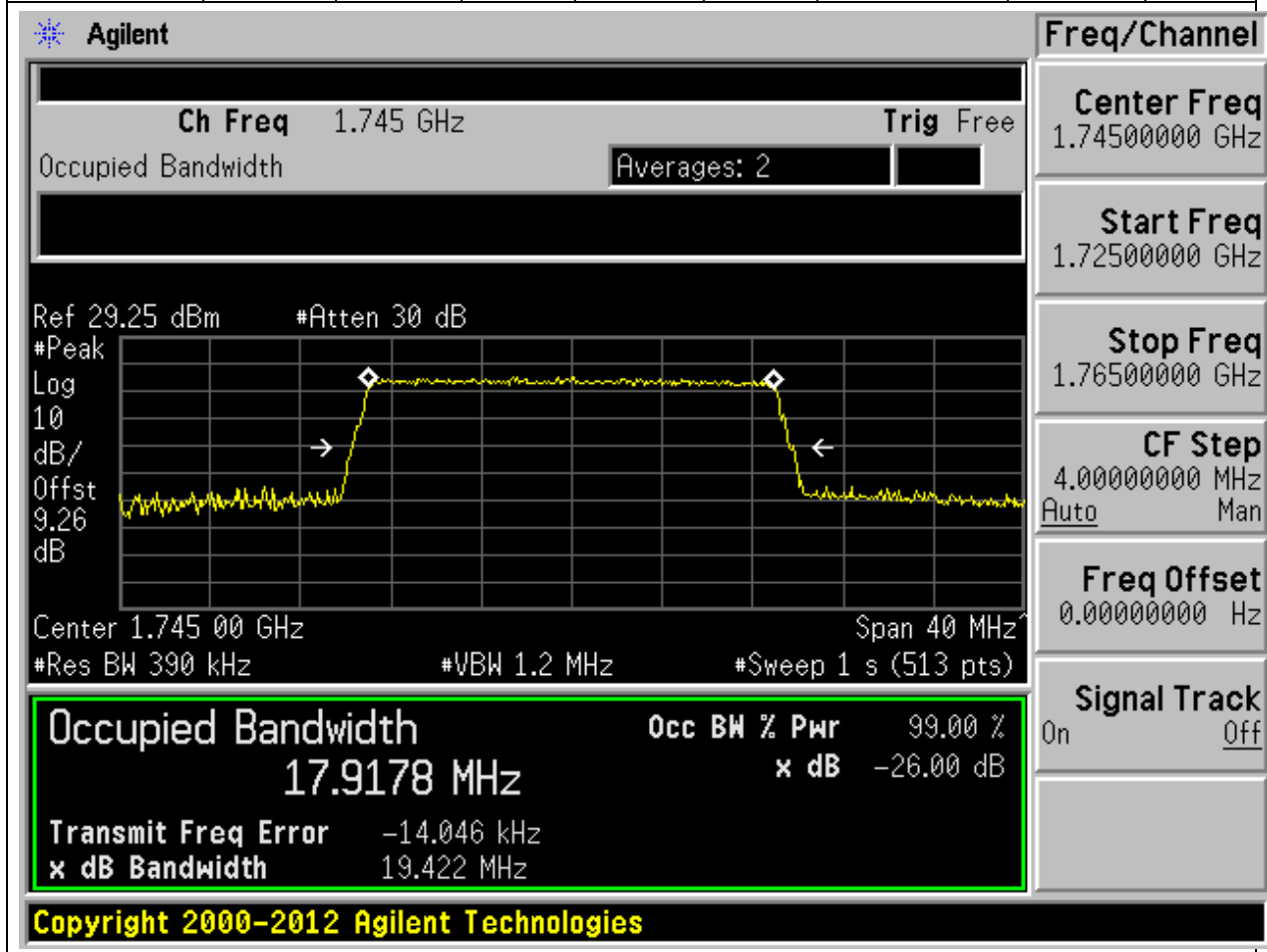
**9.34. LTE Occupied Bandwidth(NTNV)(Subtest:34, Channel:20175, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)**

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	17.9	19.37	20	Pass



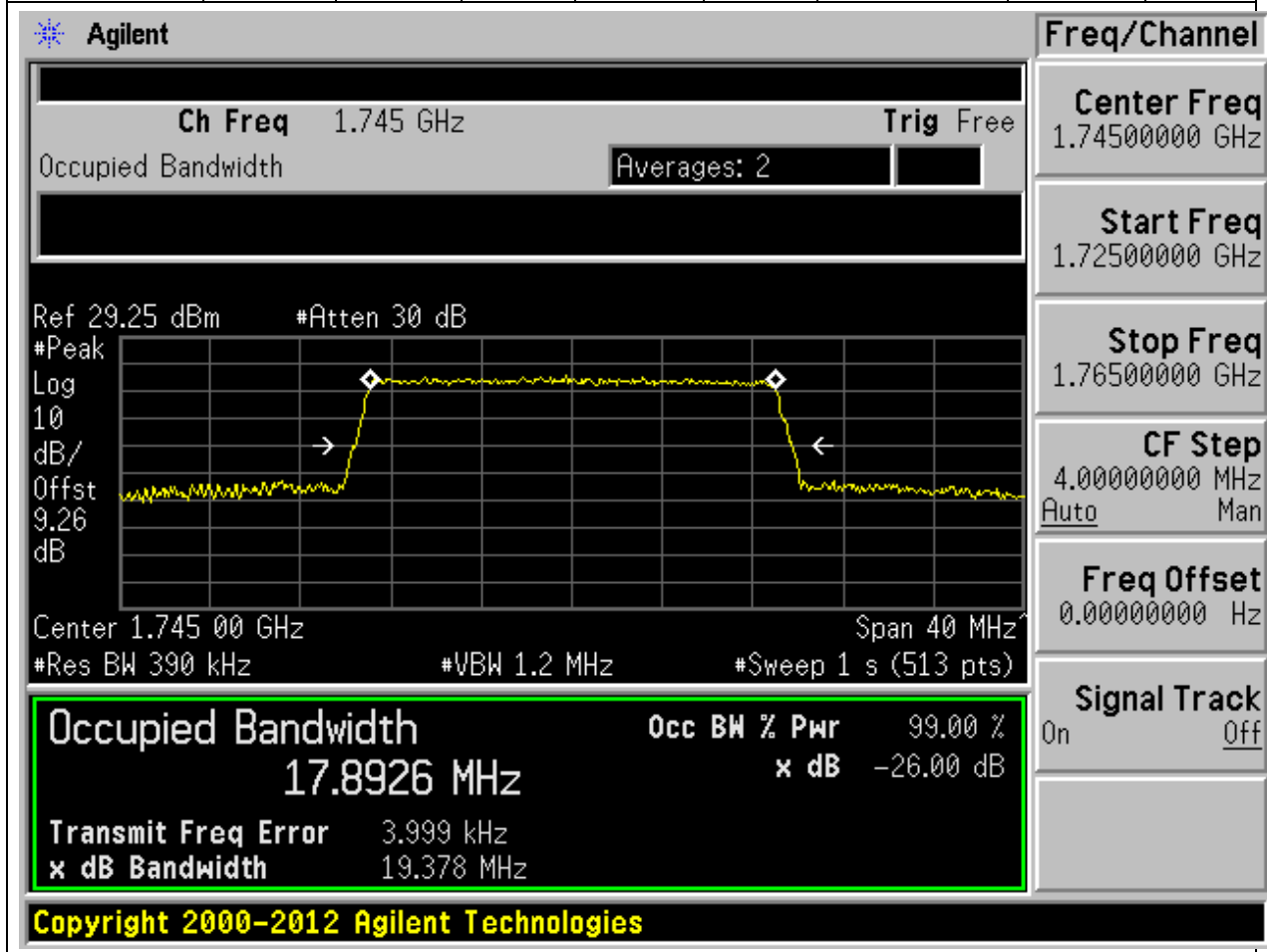
**9.35. LTE Occupied Bandwidth(NTNV)(Subtest:35, Channel:20300, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.39	Peak	17.92	19.42	20	Pass



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

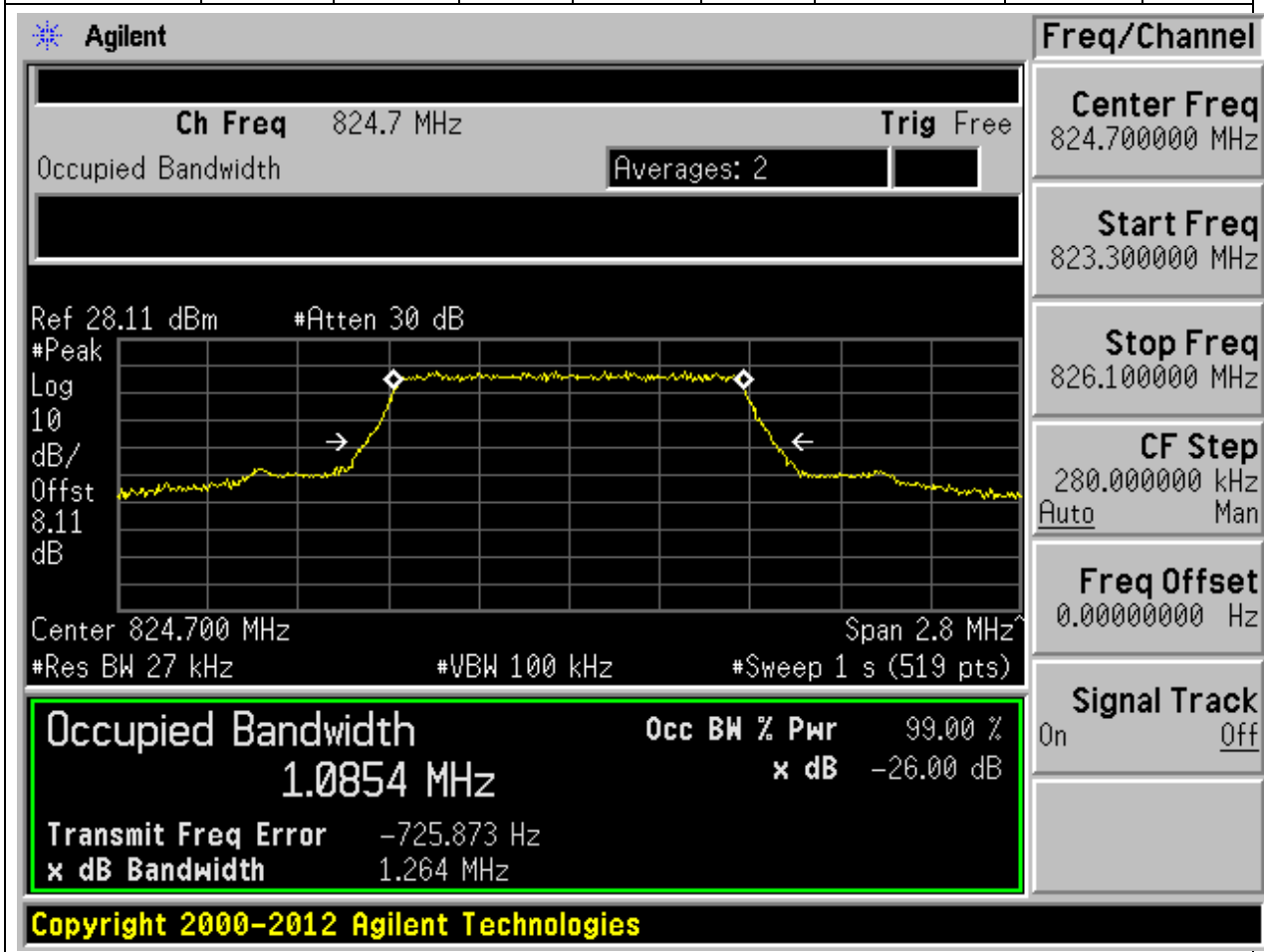
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.39	Peak	17.89	19.38	20	Pass



## 10. LTE\_Band5

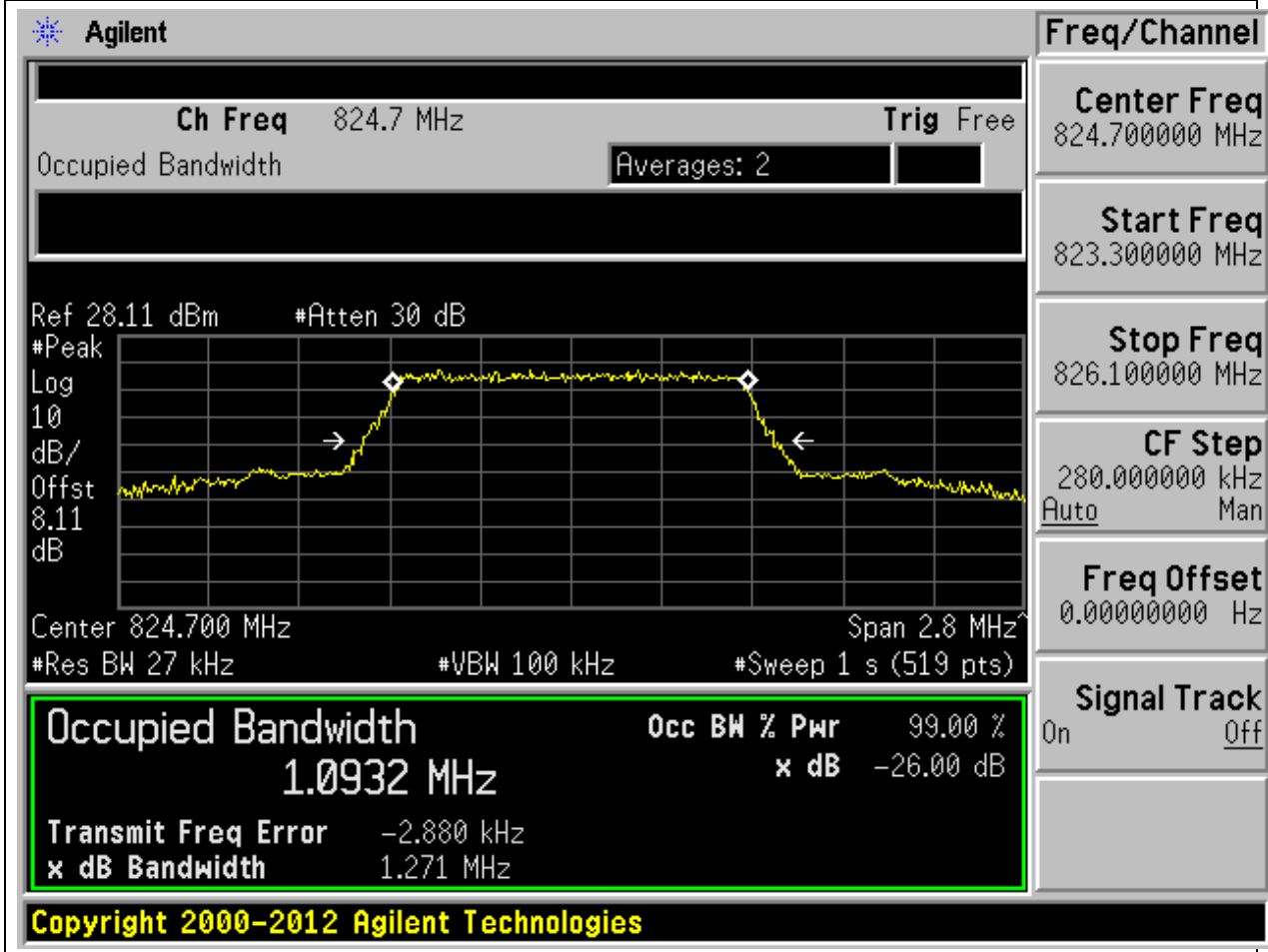
### 10.1. LTE Occupied Bandwidth(NTNV)(Subtest:1, Channel:20407, Bandwidth:1.4, Modulation:QPSK, RB Number: 6, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
824.7	99	26	0.027	Peak	1.09	1.26	1.4	Pass



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

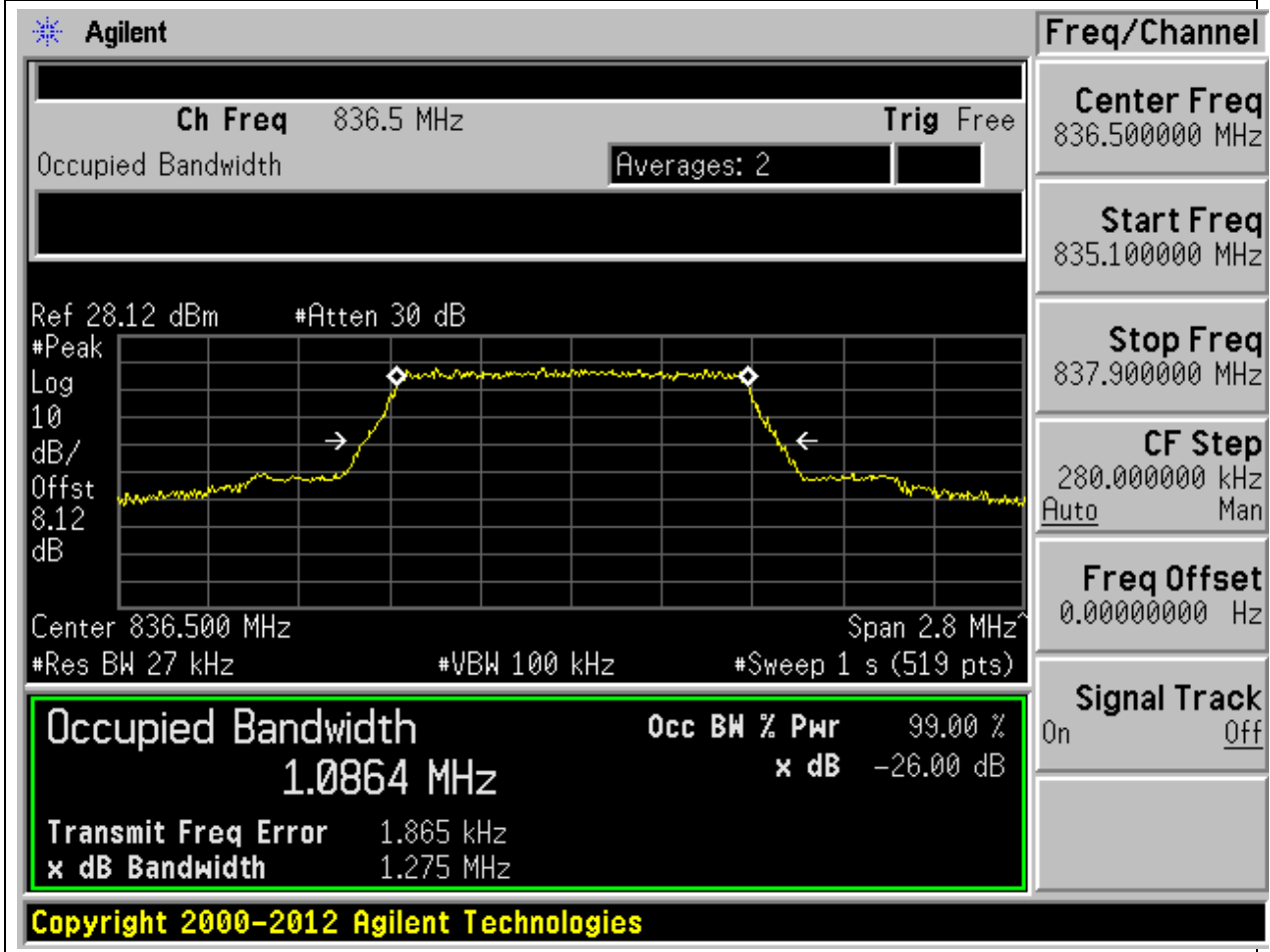
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
824.7	99	26	0.027	Peak	1.09	1.27	1.4	Pass





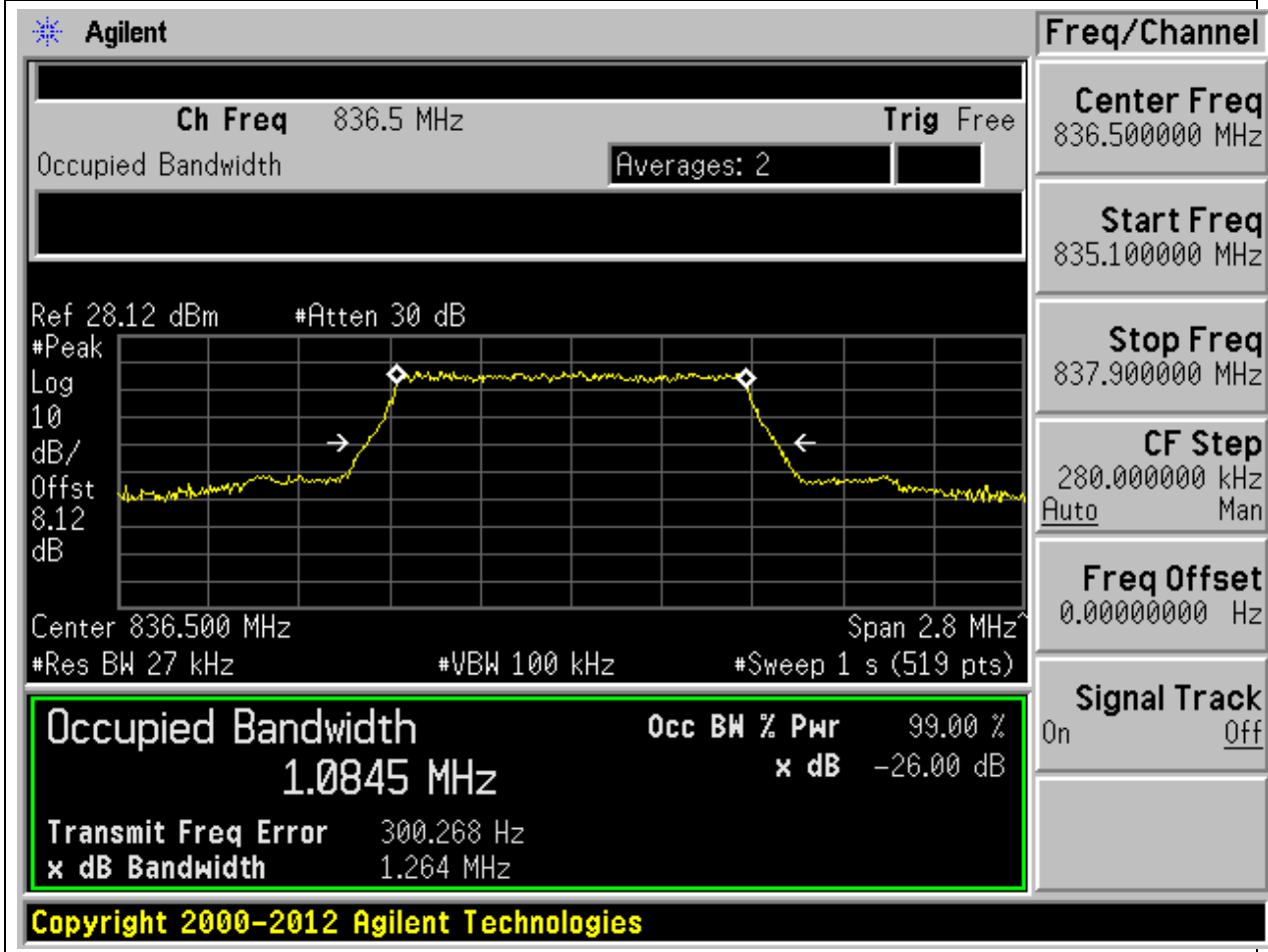
**10.3. LTE Occupied Bandwidth(NTNV)(Subtest:3, Channel:20525, Bandwidth:1.4, Modulation:QPSK, RB Number: 6, RB Position:LOW)**

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	1.09	1.28	1.4	Pass



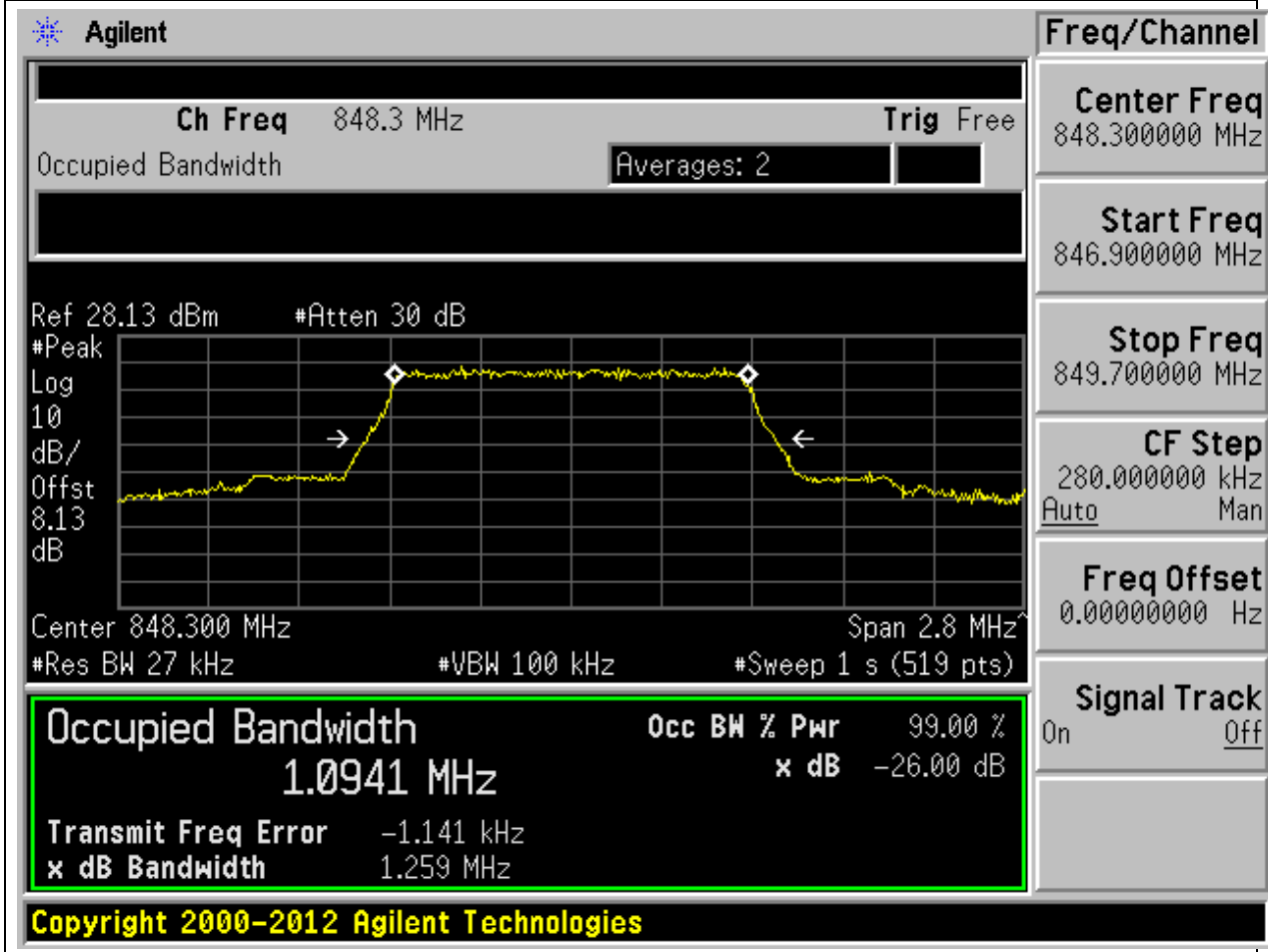
**10.4. LTE Occupied Bandwidth(NTNV)(Subtest:4, Channel:20525, Bandwidth:1.4, Modulation:Q16, RB Number: 6, RB Position:LOW)**

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	1.26	1.4	Pass



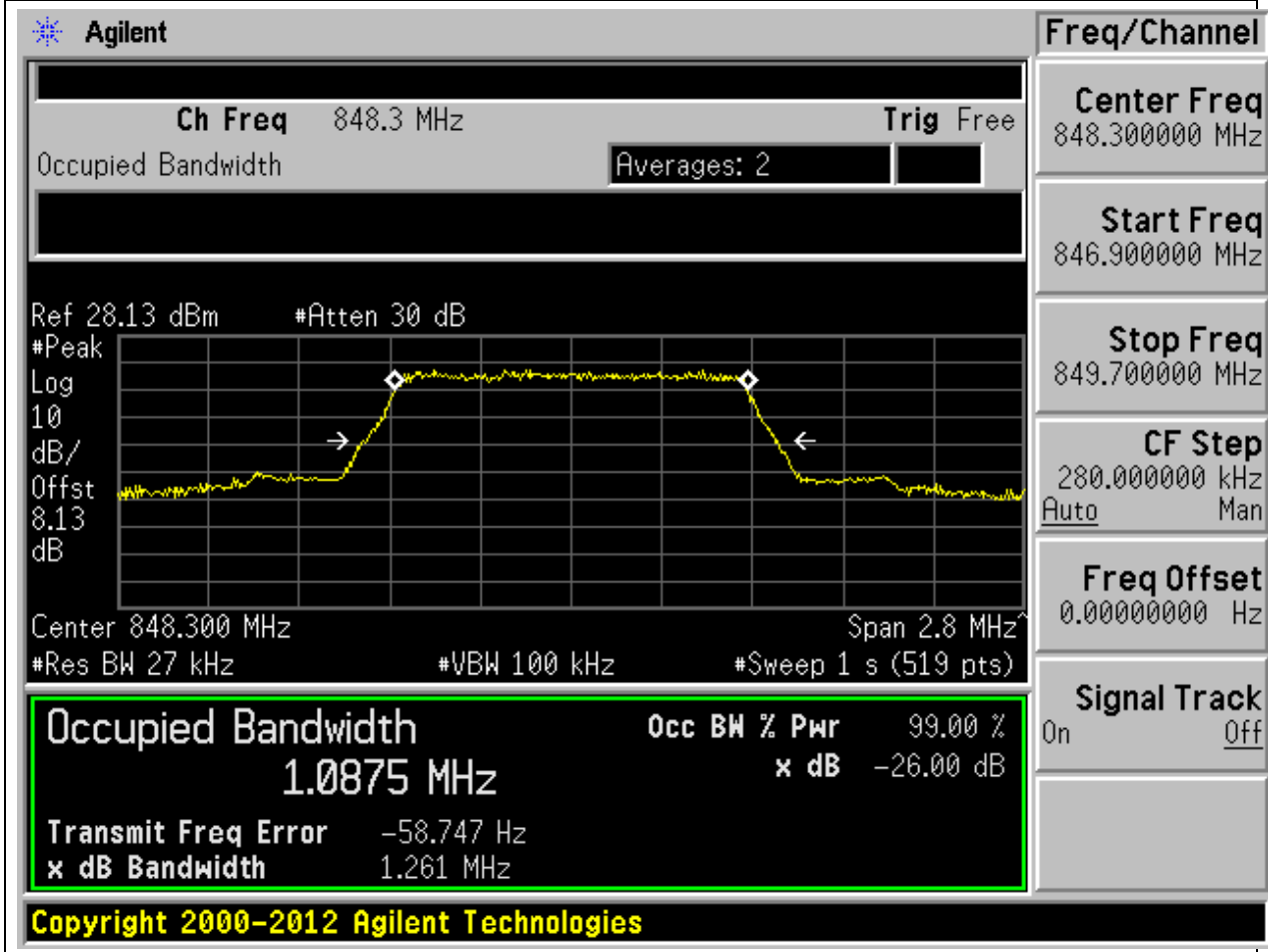
**10.5. LTE Occupied Bandwidth(NTNV)(Subtest:5, Channel:20643, Bandwidth:1.4, Modulation:QPSK, RB Number: 6, RB Position:LOW)**

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	1.26	1.4	Pass



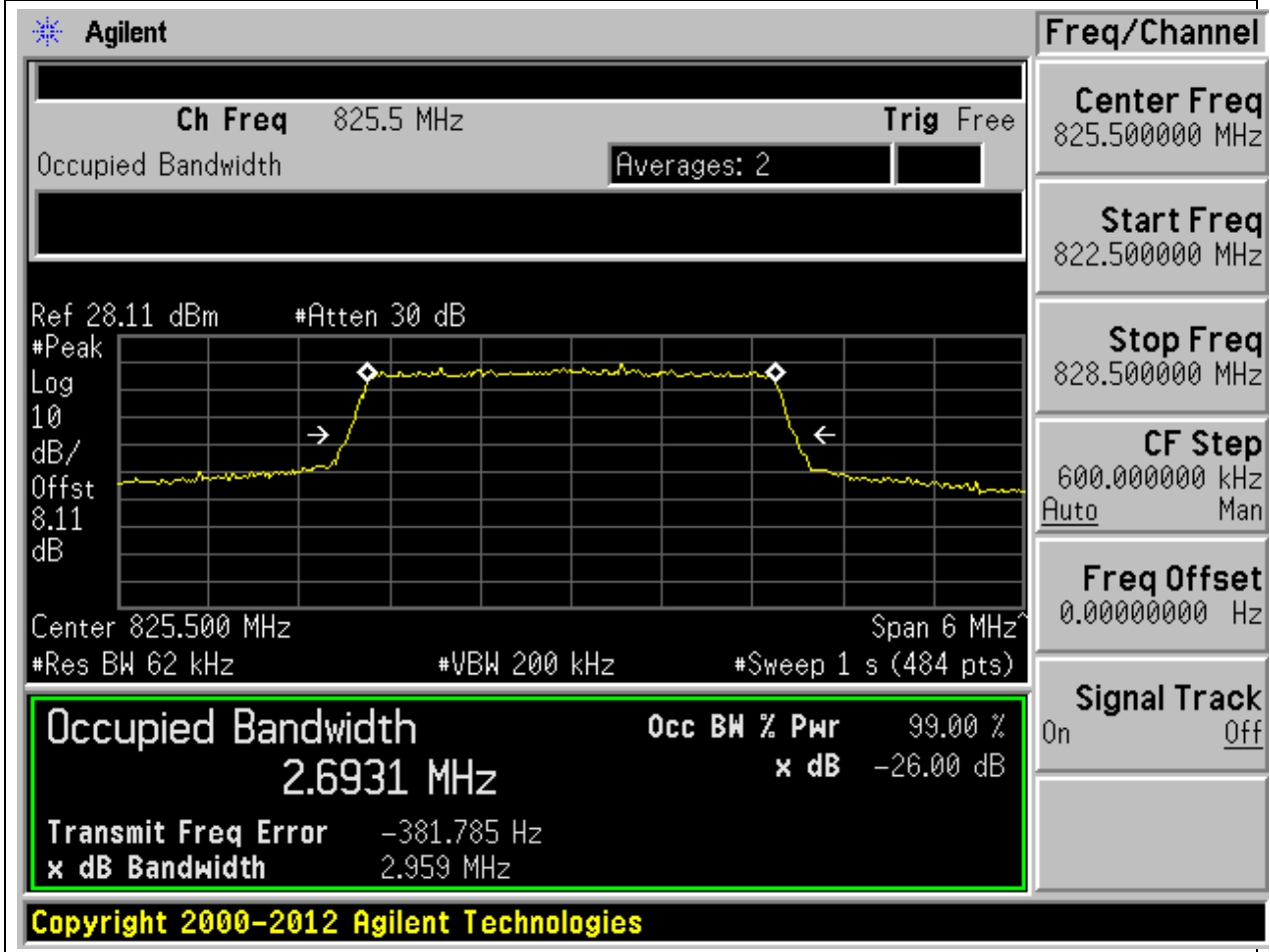
**10.6. LTE Occupied Bandwidth(NTNV)(Subtest:6, Channel:20643, Bandwidth:1.4, Modulation:Q16, RB Number: 6, RB Position:LOW)**

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	1.26	1.4	Pass



**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	2.69	2.96	3	Pass



**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	2.69	2.96	3	Pass

**Agilent** Freq/Channel

---

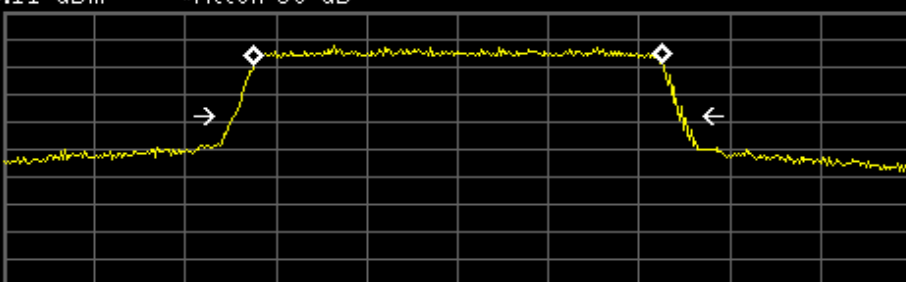
**Ch Freq** 825.5 MHz **Trig** Free

Occupied Bandwidth Averages: 2

---

Ref 28.11 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.11 dB



Center 825.500 MHz Span 6 MHz

#Res BW 62 kHz #VBW 200 kHz #Sweep 1 s (484 pts)

---

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
2.6860 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	248.391 Hz	
<b>x dB Bandwidth</b>	2.962 MHz	

---

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**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

**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	2.69	2.97	3	Pass

**Agilent** Freq/Channel

---

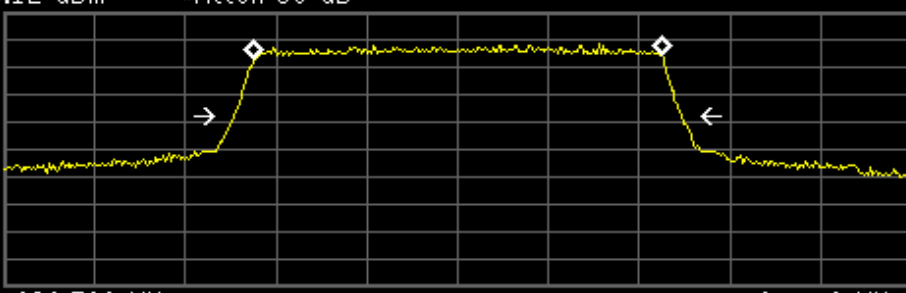
**Ch Freq** 836.5 MHz **Trig** Free

Occupied Bandwidth Averages: 2

---

Ref 28.12 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.12 dB



Center 836.500 MHz Span 6 MHz

#Res BW 62 kHz #VBW 200 kHz #Sweep 1 s (484 pts)

---

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
2.6918 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	838.610 Hz	
<b>x dB Bandwidth</b>	2.973 MHz	

---

**Signal Track** On Off

---

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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	2.68	2.99	3	Pass

**Agilent** Freq/Channel

---

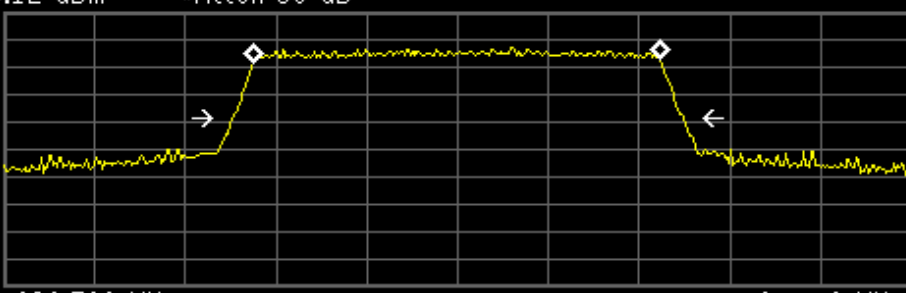
**Ch Freq** 836.5 MHz **Trig** Free

Occupied Bandwidth Averages: 2

---

Ref 28.12 dBm #Atten 30 dB

#Peak  
Log  
10  
dB/  
Offst  
8.12  
dB



Center 836.500 MHz Span 6 MHz

#Res BW 62 kHz #VBW 200 kHz #Sweep 1 s (484 pts)

---

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
2.6827 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		-2.985 kHz
<b>x dB Bandwidth</b>		2.988 MHz

---

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**Freq/Channel**

**Center Freq**  
836.500000 MHz

**Start Freq**  
833.500000 MHz

**Stop Freq**  
839.500000 MHz

**CF Step**  
600.000000 kHz  
Auto Man

**Freq Offset**  
0.00000000 Hz

**Signal Track**  
On Off



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

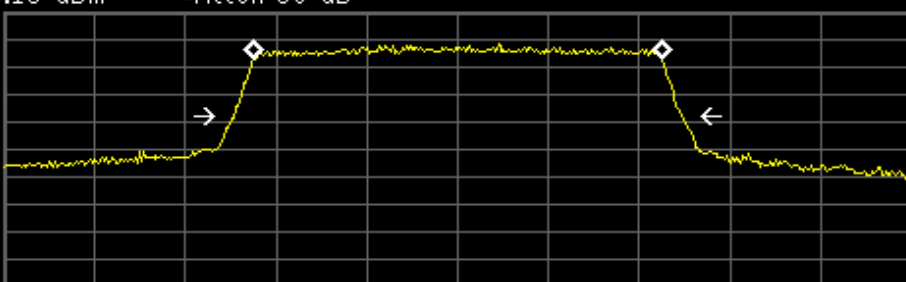
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
847.5	99	26	0.062	Peak	2.69	2.96	3	Pass

Agilent
Freq/Channel

Ch Freq 847.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.13 dBm #Atten 30 dB



Center 847.500 MHz Span 6 MHz

#Res BW 62 kHz #VBW 200 kHz #Sweep 1 s (484 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

<b>Occupied Bandwidth</b>	Occ BW % Pwr	99.00 %
	x dB	-26.00 dB
<b>2.6902 MHz</b>		
Transmit Freq Error	-2.702 kHz	
x dB Bandwidth	2.964 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	2.68	2.96	3	Pass

**Agilent** Freq/Channel

---

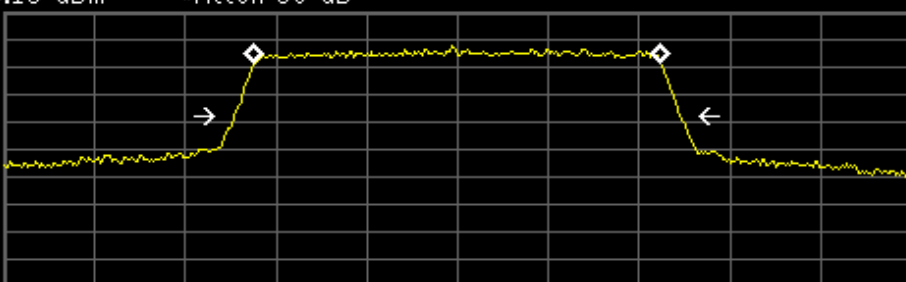
**Ch Freq** 847.5 MHz **Trig** Free

Occupied Bandwidth Averages: 2

---

Ref 28.13 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.13 dB



Center 847.500 MHz Span 6 MHz

#Res BW 62 kHz #VBW 200 kHz #Sweep 1 s (484 pts)

---

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
2.6824 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		-3.559 kHz
<b>x dB Bandwidth</b>		2.959 MHz

---

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**Freq/Channel**

**Center Freq**  
847.500000 MHz

**Start Freq**  
844.500000 MHz

**Stop Freq**  
850.500000 MHz

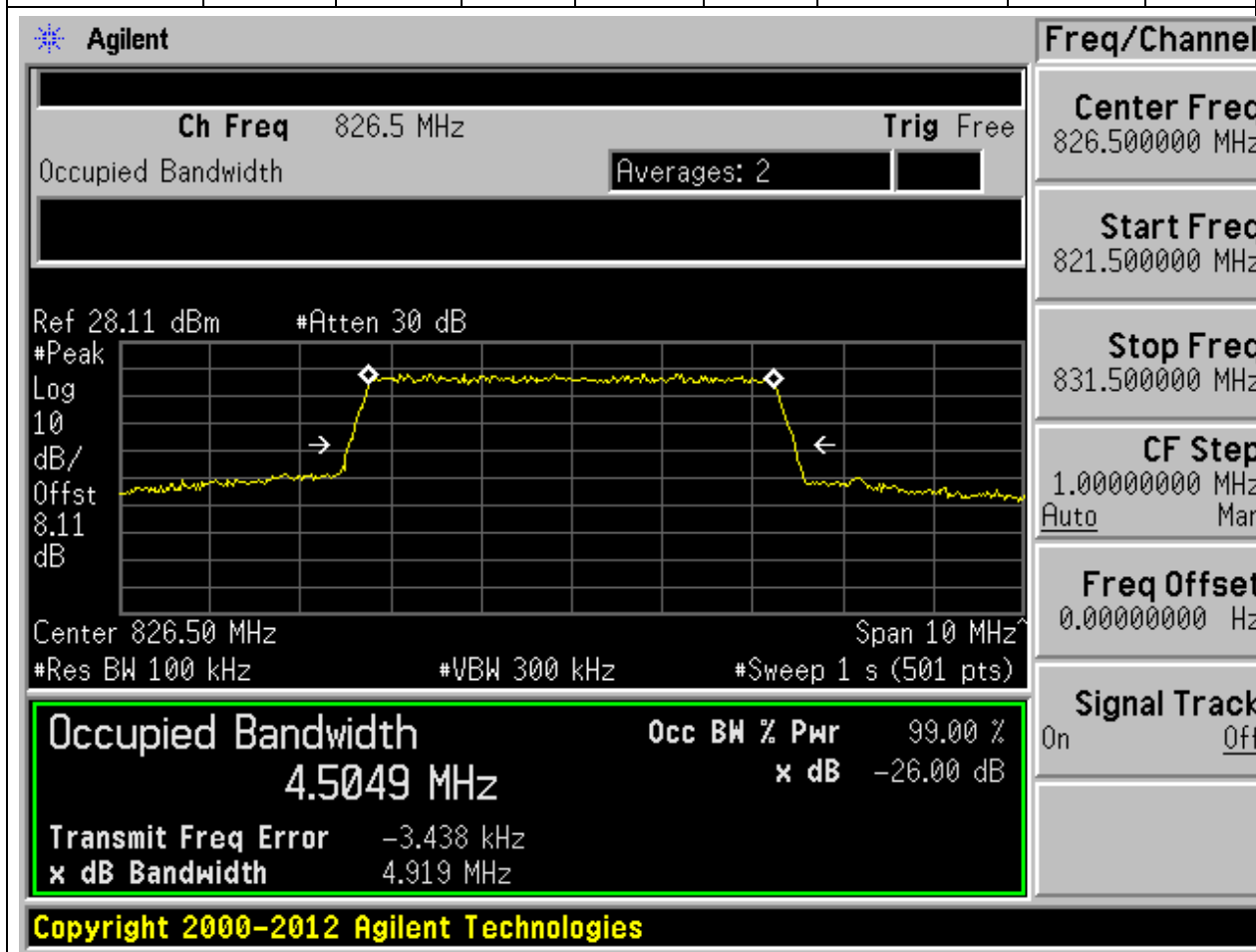
**CF Step**  
600.000000 kHz  
Auto Man

**Freq Offset**  
0.00000000 Hz

**Signal Track**  
On Off

**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	4.92	5	Pass



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

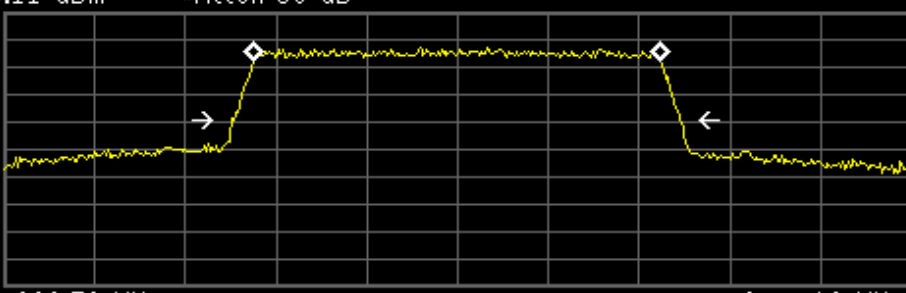
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
826.5	99	26	0.1	Peak	4.49	4.93	5	Pass

Agilent
Freq/Channel

Ch Freq 826.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.11 dBm #Atten 30 dB



Center 826.50 MHz Span 10 MHz

#Res BW 100 kHz #VBW 300 kHz #Sweep 1 s (501 pts)

Center Freq 826.500000 MHz

Start Freq 821.500000 MHz

Stop Freq 831.500000 MHz

CF Step 1.00000000 MHz

Freq Offset 0.00000000 Hz

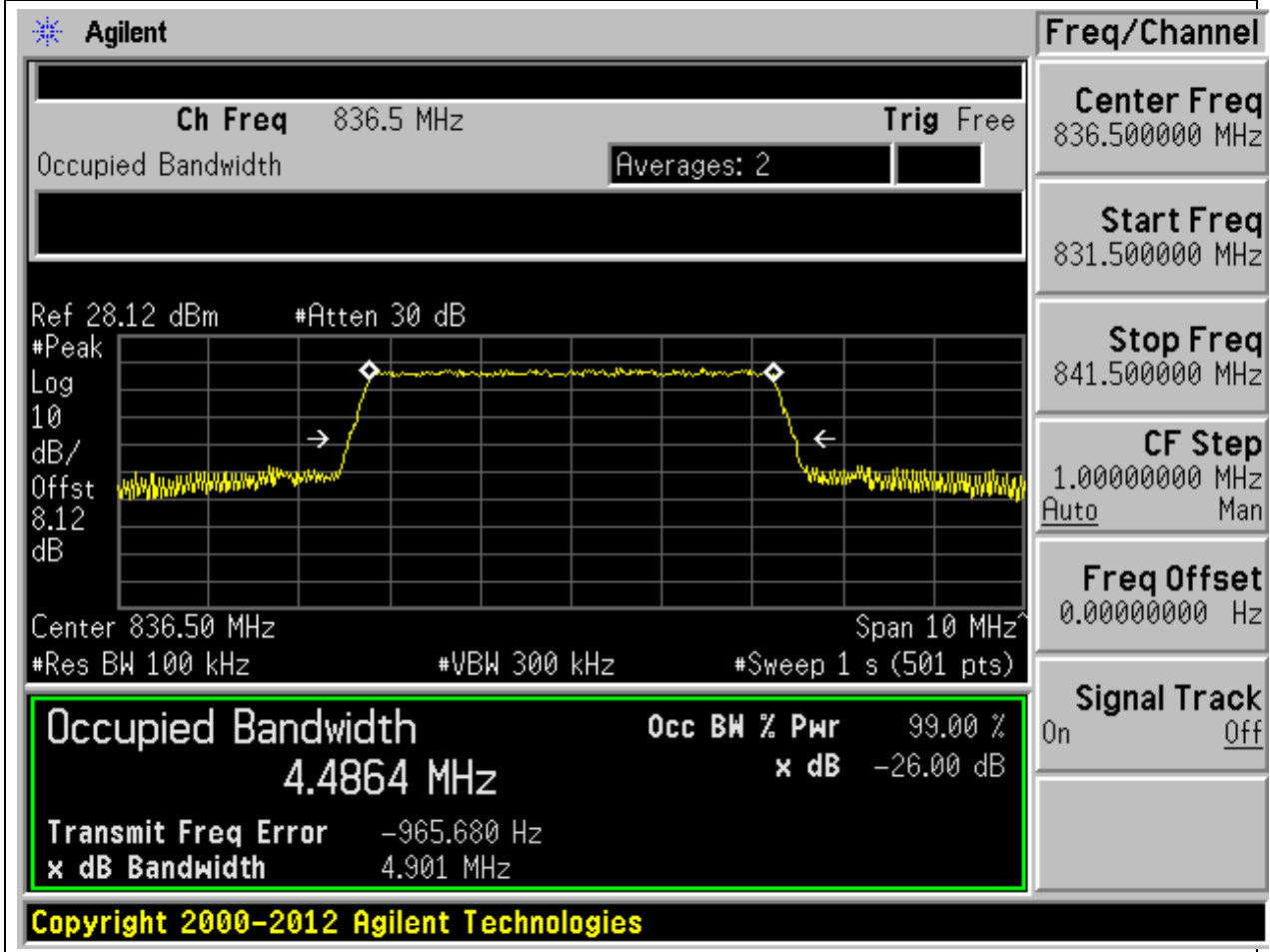
<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
4.4942 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> -6.082 kHz	
<b>x dB Bandwidth</b> 4.927 MHz	

Signal Track On Off

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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	4.49	4.9	5	Pass



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

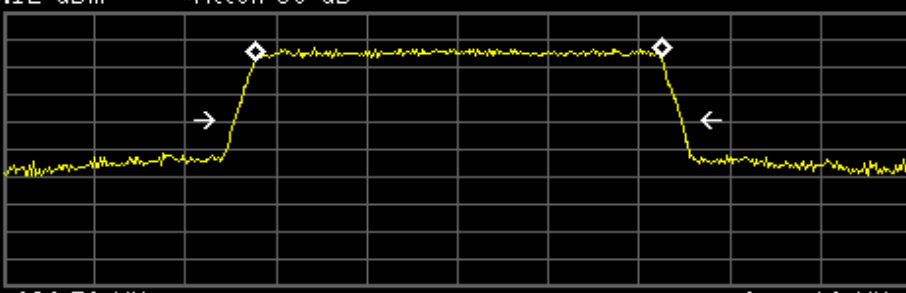
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.1	Peak	4.49	4.91	5	Pass

Agilent
Freq/Channel

Ch Freq 836.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.12 dBm #Atten 30 dB



Center 836.50 MHz Span 10 MHz

#Res BW 100 kHz #VBW 300 kHz #Sweep 1 s (501 pts)

Center Freq 836.500000 MHz

Start Freq 831.500000 MHz

Stop Freq 841.500000 MHz

CF Step 1.00000000 MHz

Freq Offset 0.00000000 Hz

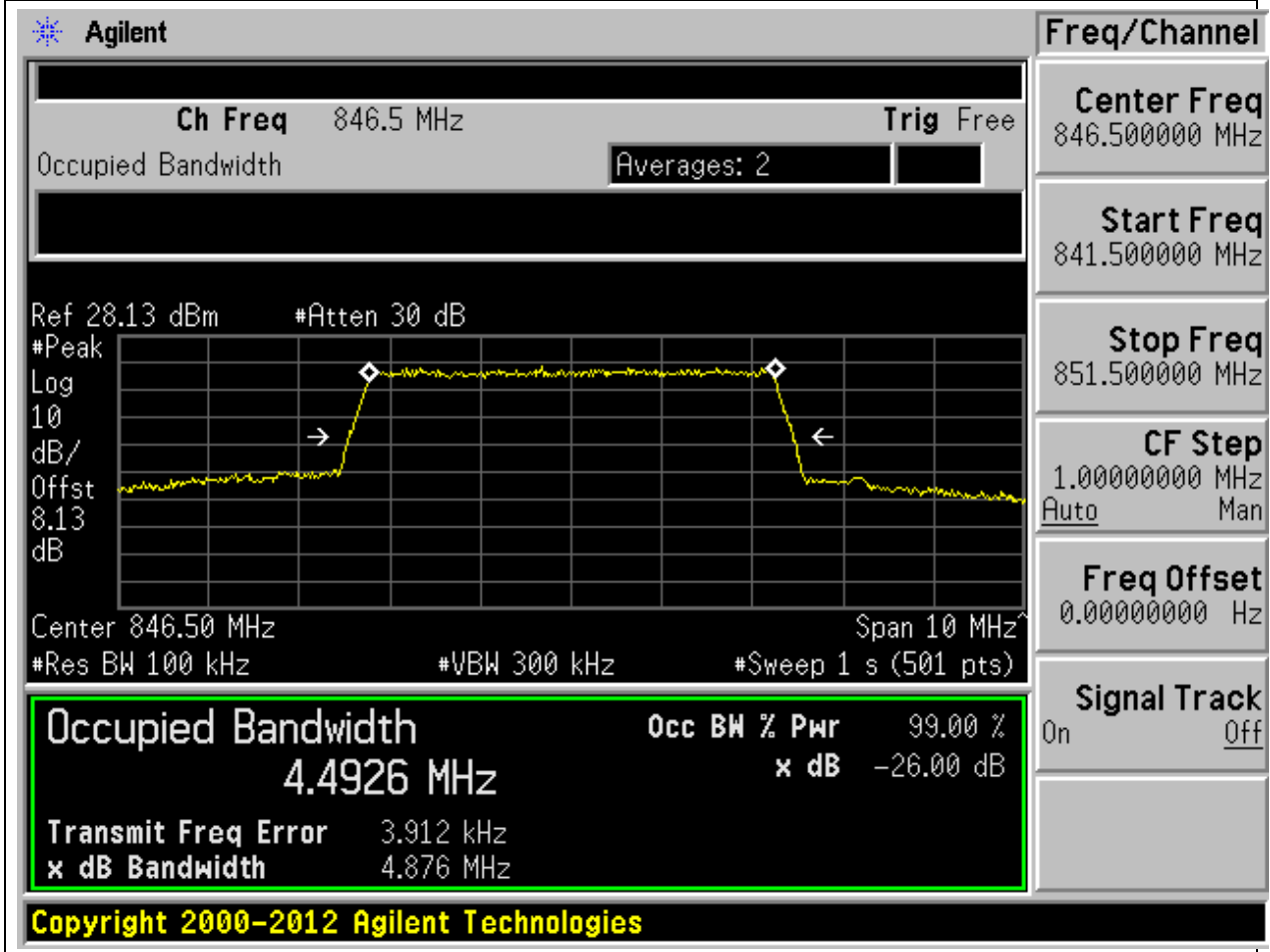
<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
4.4939 MHz	x dB -26.00 dB
Transmit Freq Error	2.361 kHz
x dB Bandwidth	4.911 MHz

Signal Track On Off

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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	4.88	5	Pass



**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	4.49	4.91	5	Pass

**Agilent** Freq/Channel

---

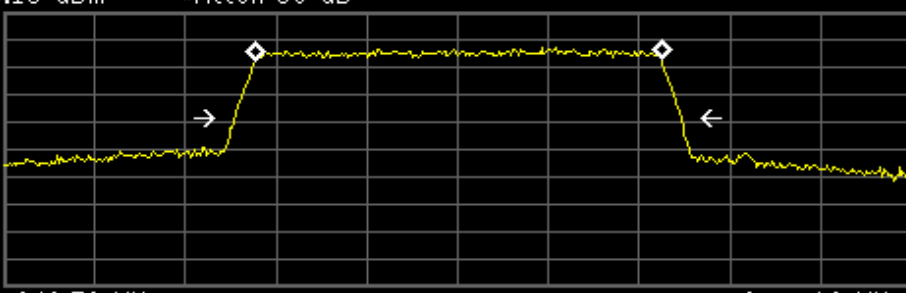
**Ch Freq** 846.5 MHz **Trig** Free

Occupied Bandwidth Averages: 2

---

Ref 28.13 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.13 dB



Center 846.50 MHz Span 10 MHz

#Res BW 100 kHz #VBW 300 kHz #Sweep 1 s (501 pts)

---

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
4.4907 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	1.697 kHz	
<b>x dB Bandwidth</b>	4.906 MHz	

---

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**Center Freq**  
846.500000 MHz

**Start Freq**  
841.500000 MHz

**Stop Freq**  
851.500000 MHz

**CF Step**  
1.00000000 MHz  
Auto Man

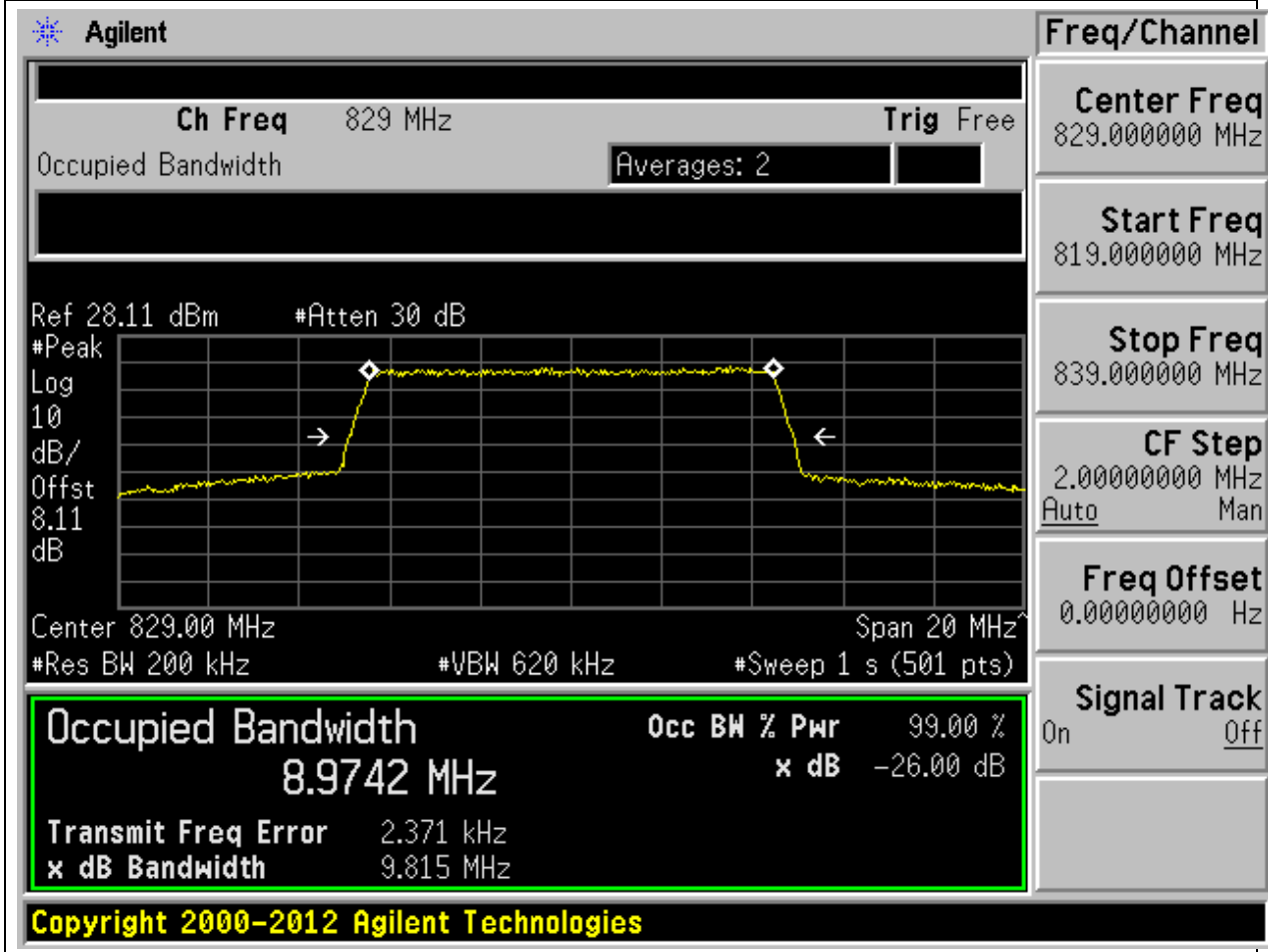
**Freq Offset**  
0.00000000 Hz

**Signal Track**  
On Off



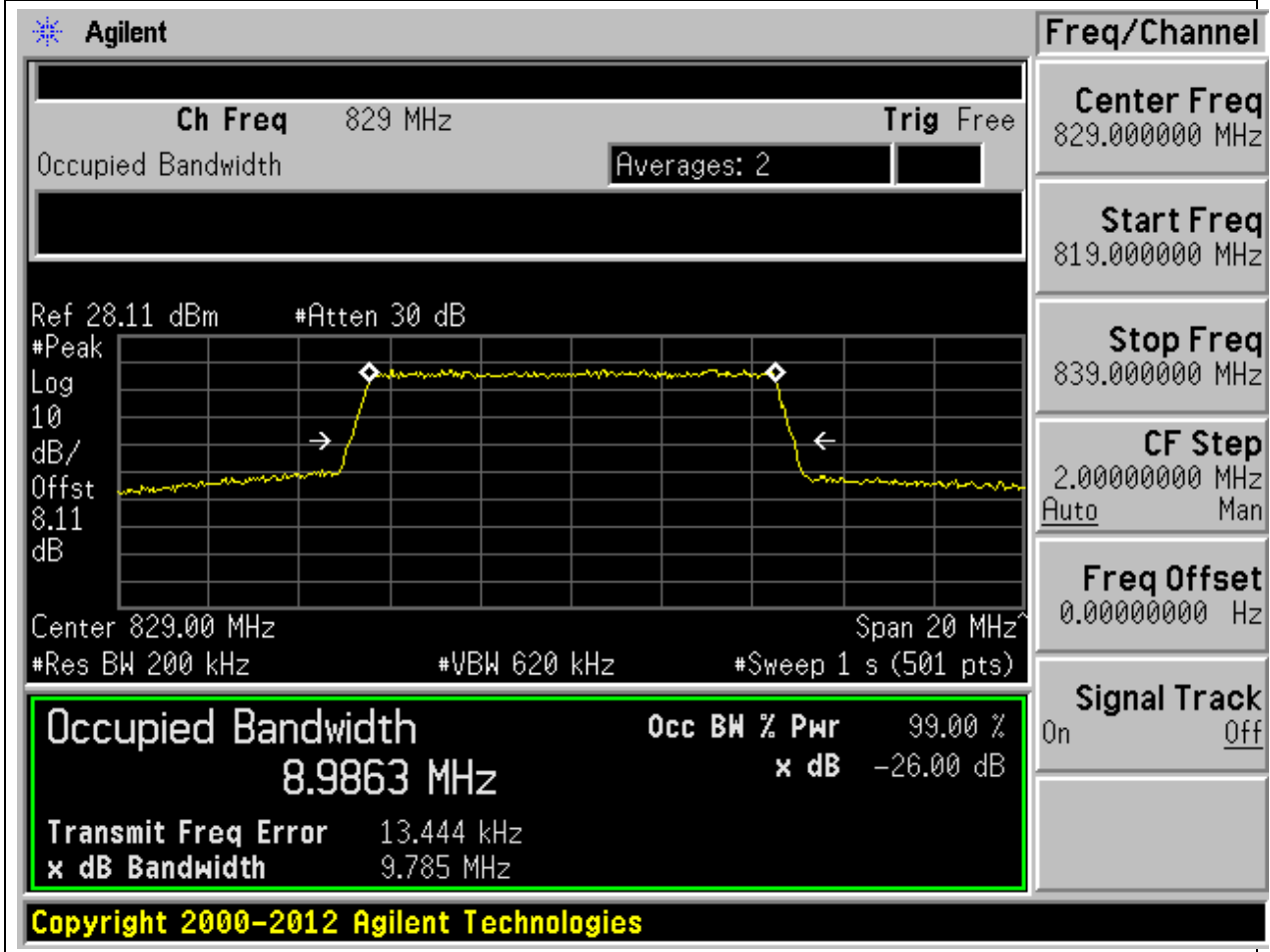
**10.19. LTE Occupied Bandwidth(NTNV)(Subtest:19, Channel:20450, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)**

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



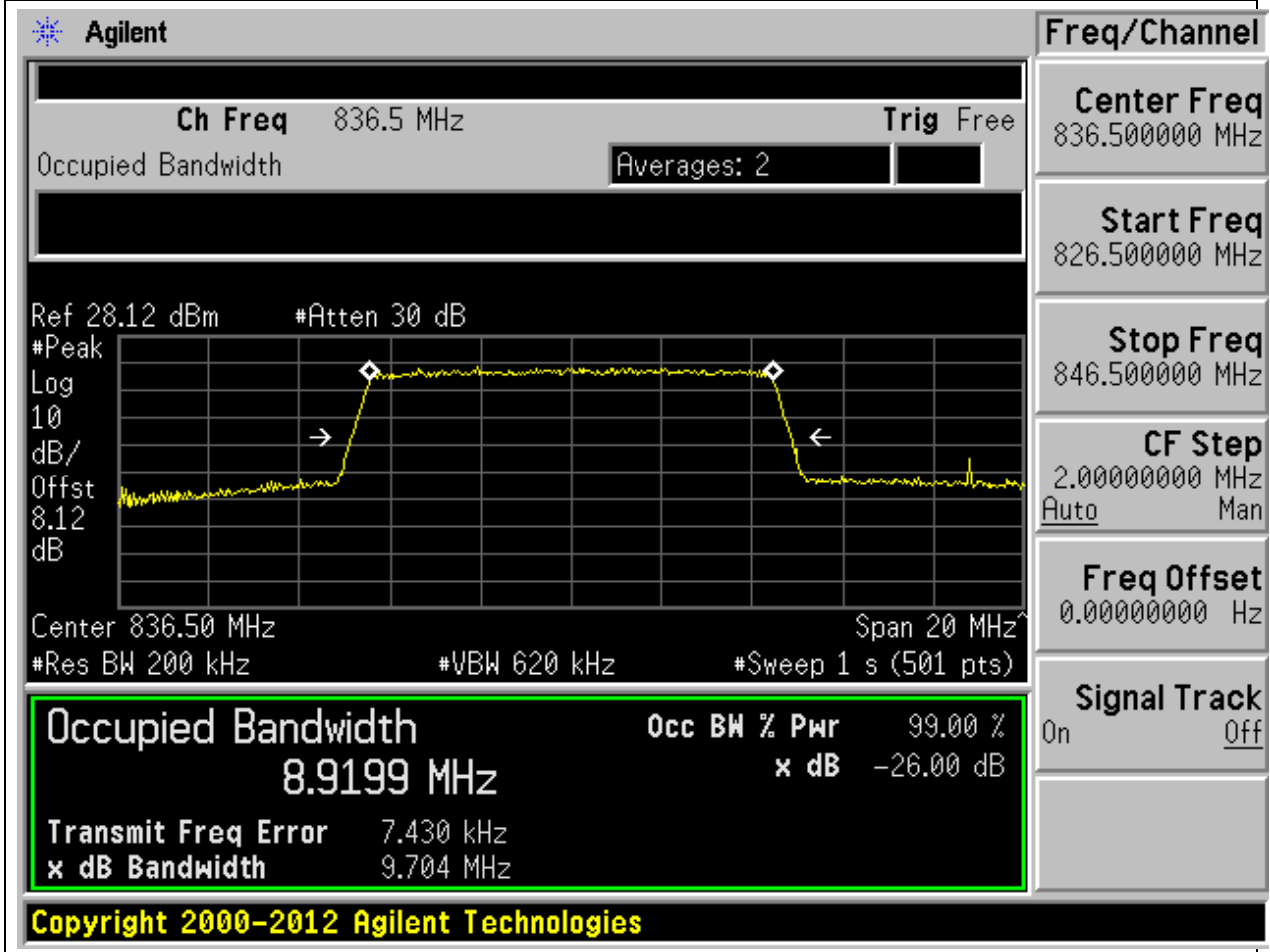
**10.20. LTE Occupied Bandwidth(NTNV)(Subtest:20, Channel:20450, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)**

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	8.99	9.78	10	Pass



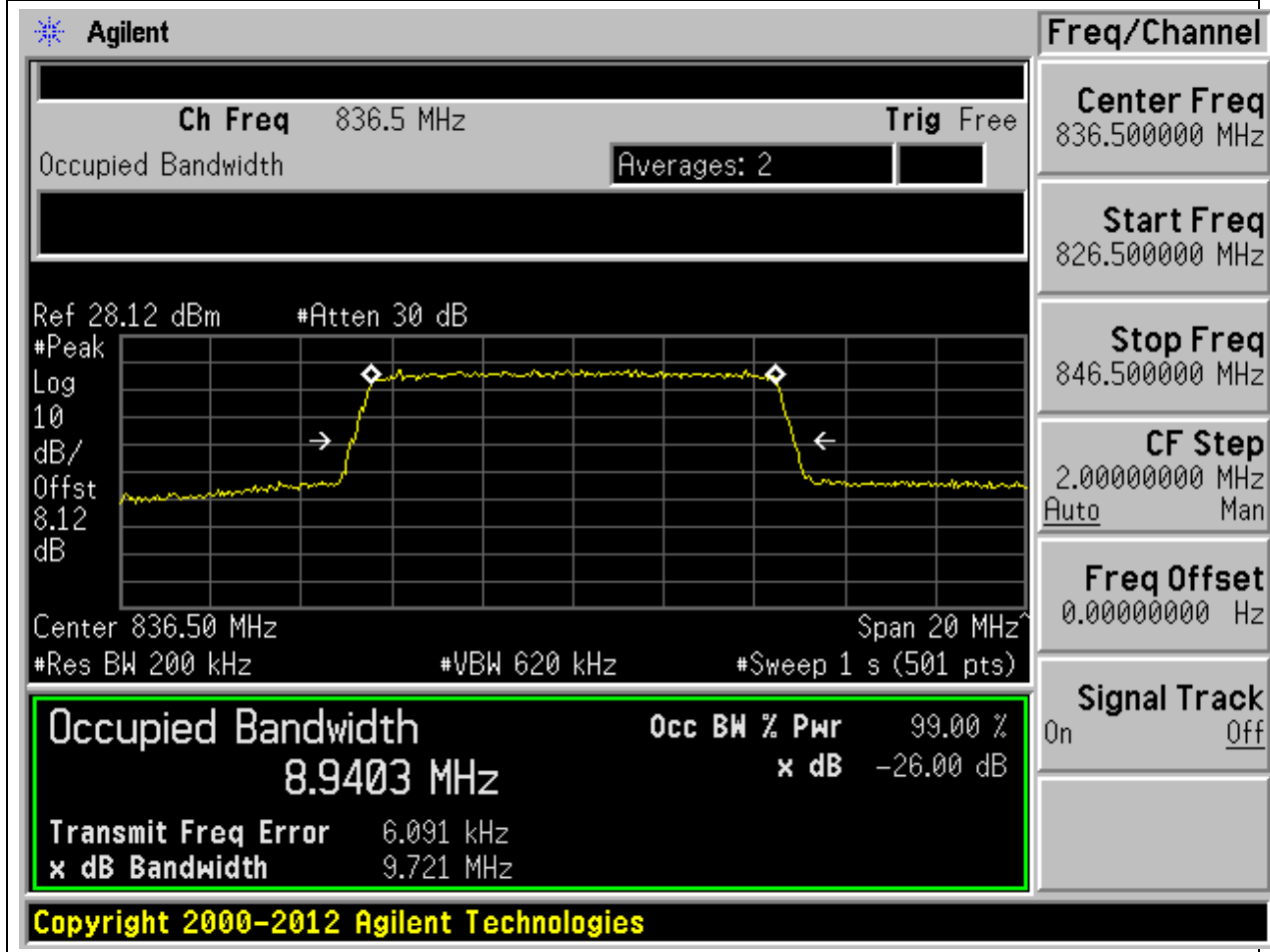
**10.21. LTE Occupied Bandwidth(NTNV)(Subtest:21, Channel:20525, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)**

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	8.92	9.7	10	Pass



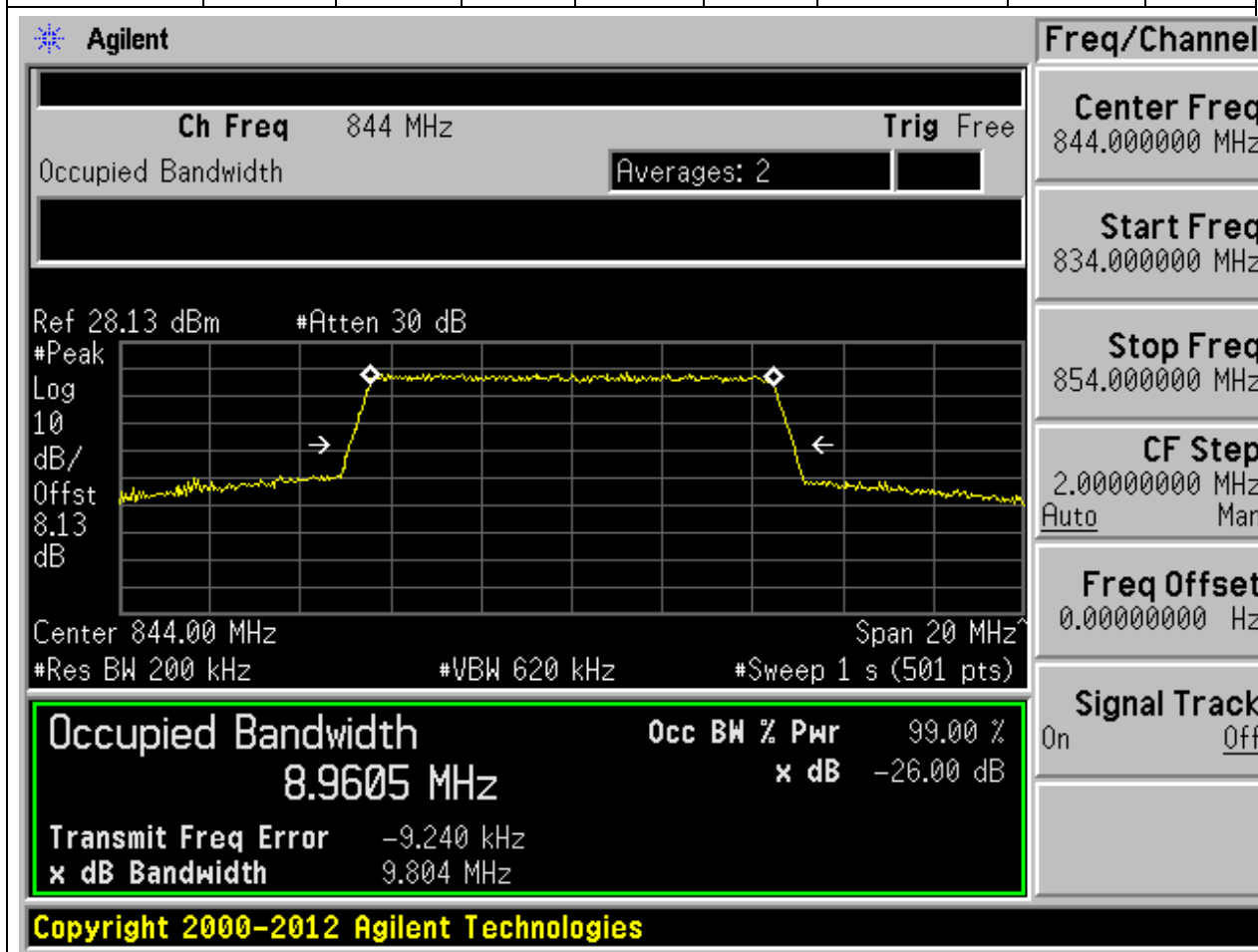
**10.22. LTE Occupied Bandwidth(NTNV)(Subtest:22, Channel:20525, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)**

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	8.94	9.72	10	Pass



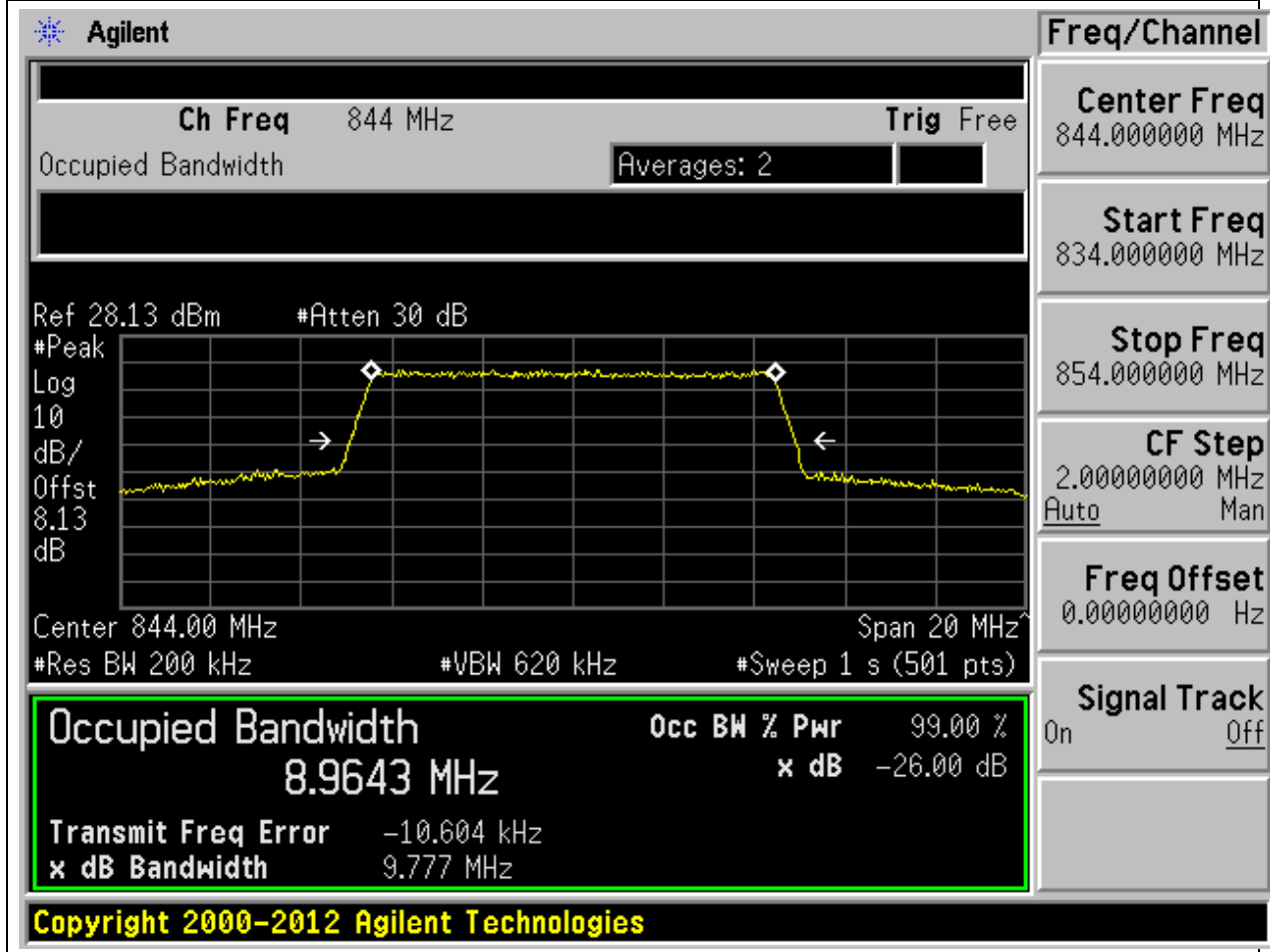
**10.23. LTE Occupied Bandwidth(NTNV)(Subtest:23, Channel:20600, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)**

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	9.8	10	Pass



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

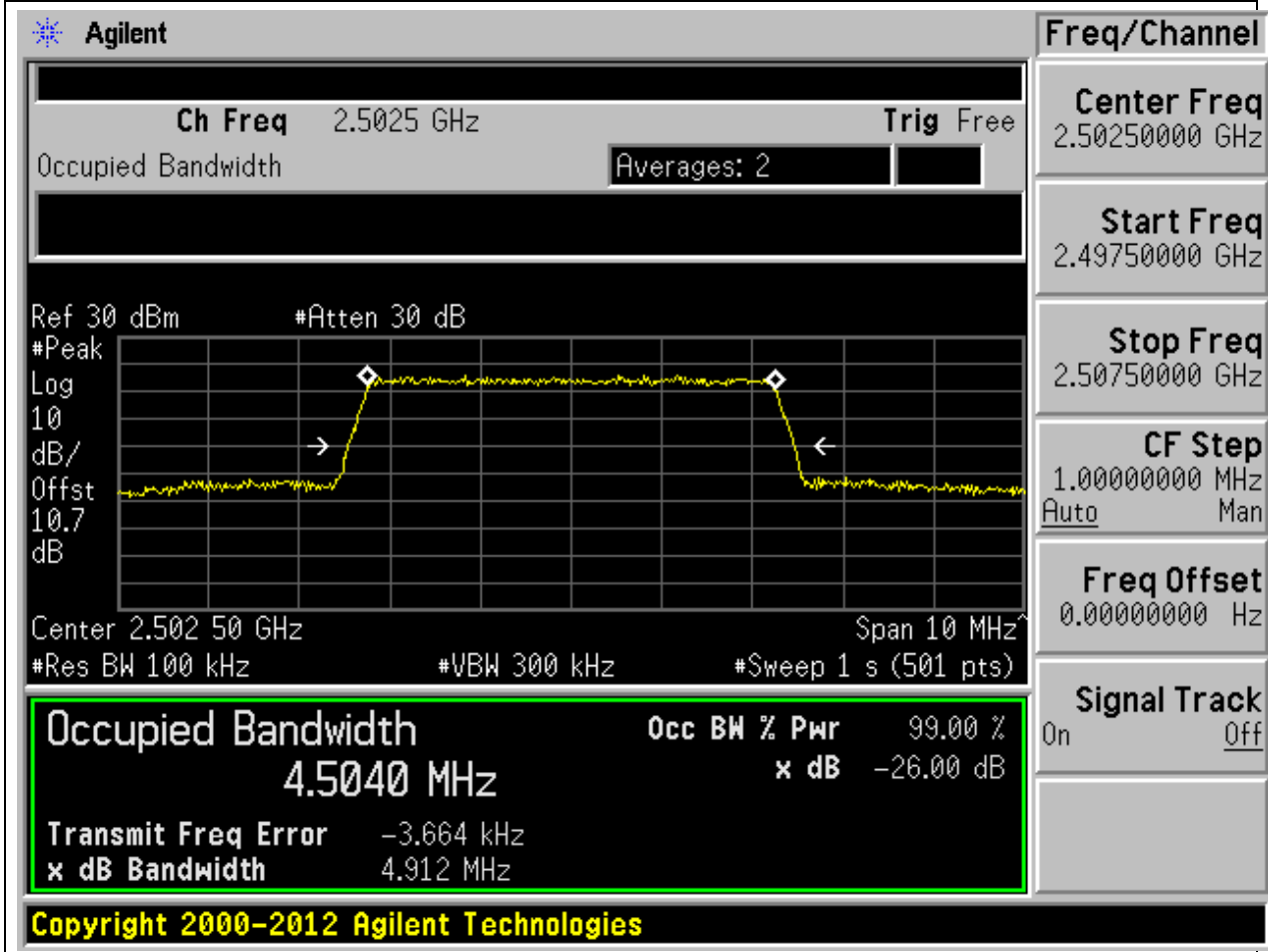
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
844	99	26	0.2	Peak	8.96	9.78	10	Pass



## 11. LTE\_Band7

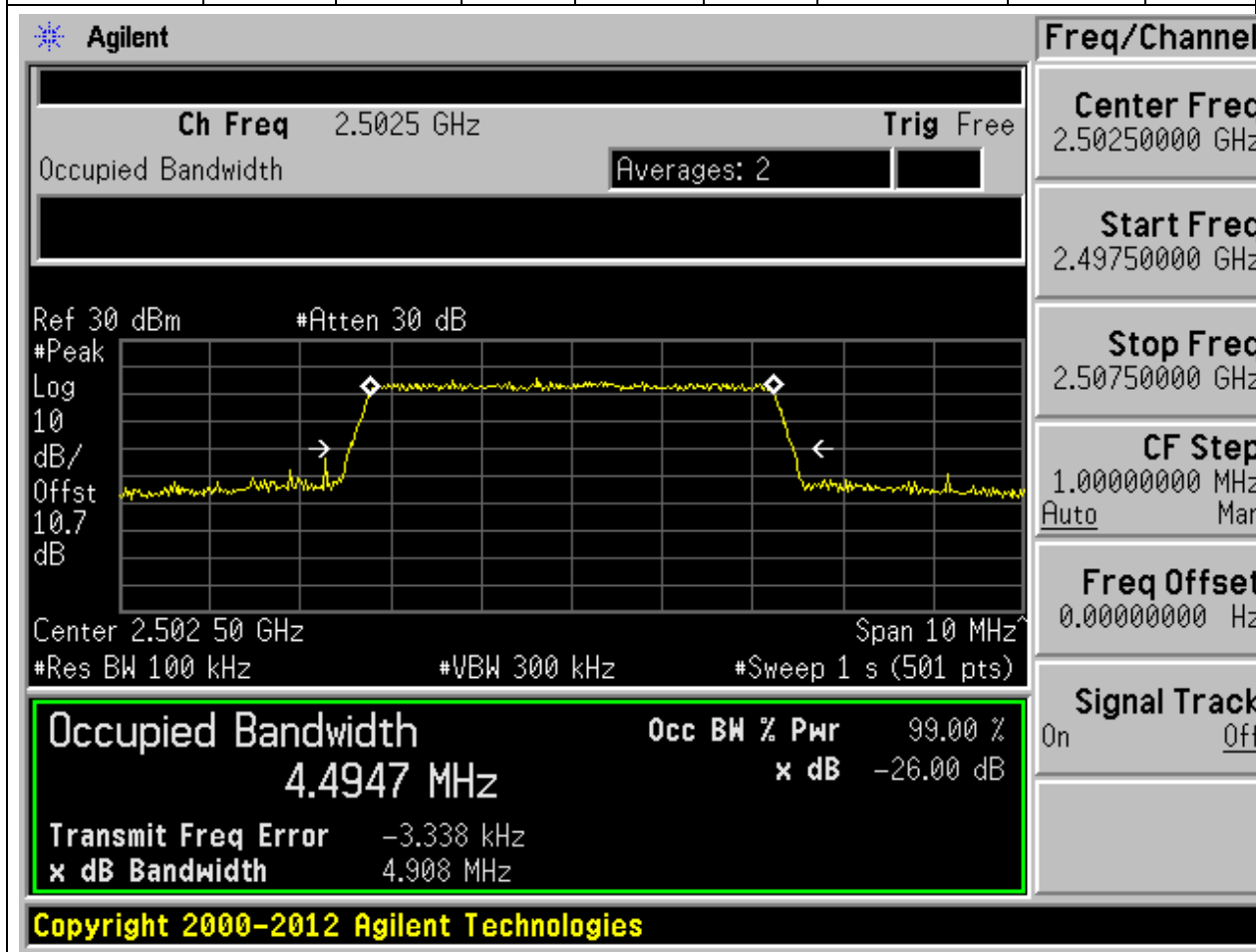
11.1. LTE Occupied Bandwidth(NTNV)(Subtest:1, Channel:20775, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2502.5	99	26	0.1	Peak	4.5	4.91	5	Pass



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

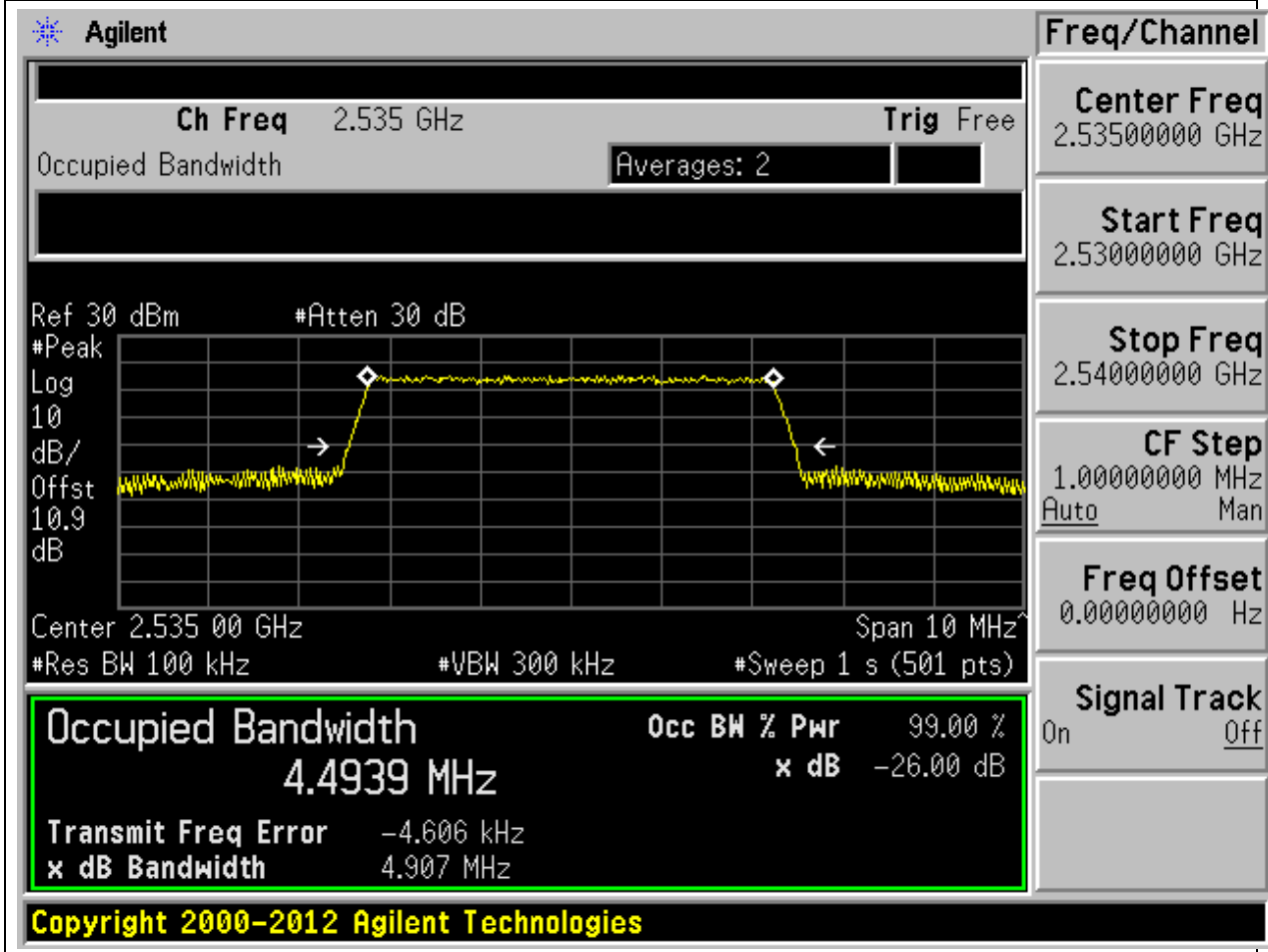
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2502.5	99	26	0.1	Peak	4.49	4.91	5	Pass





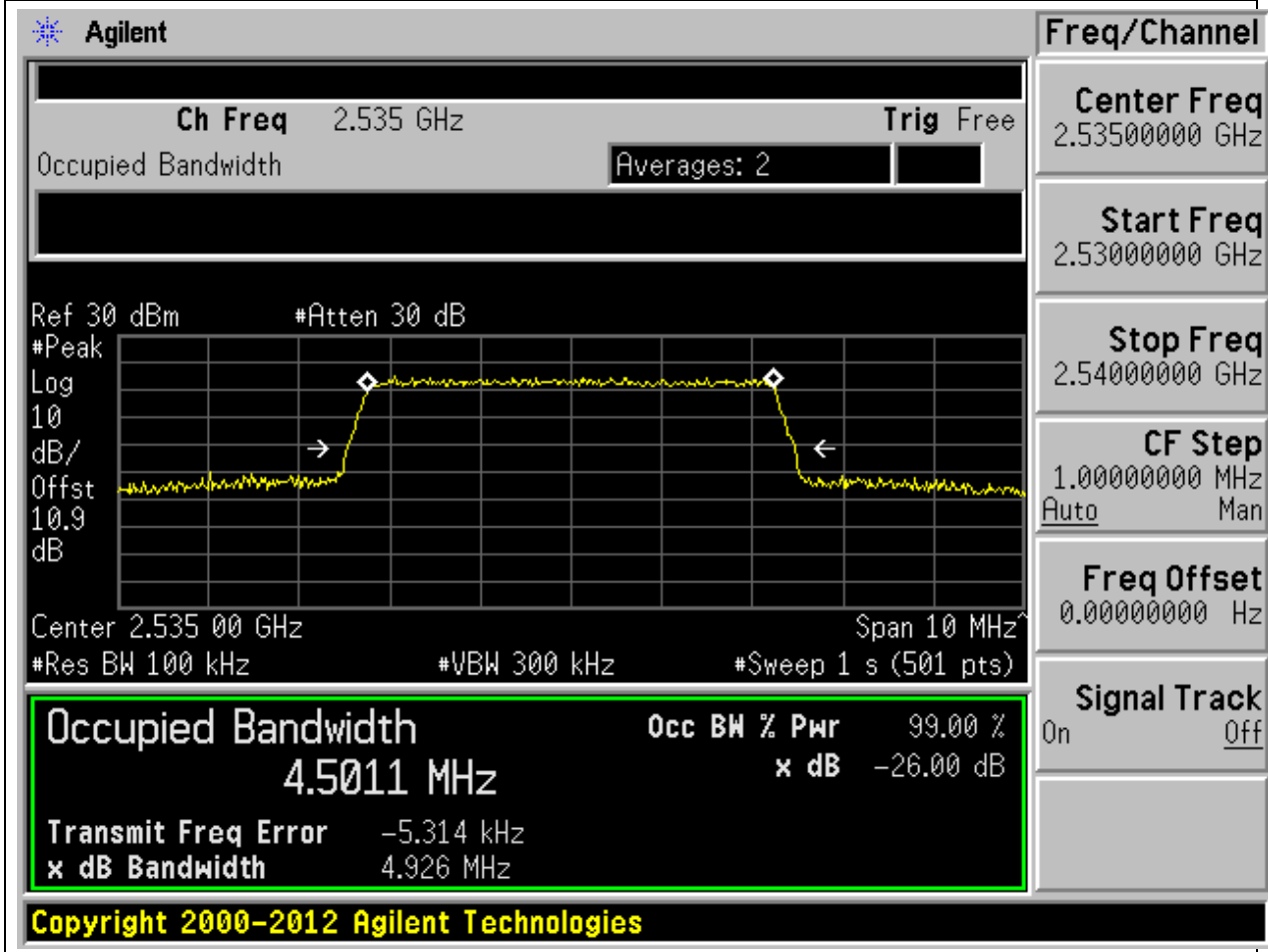
**11.3. LTE Occupied Bandwidth(NTNV)(Subtest:3, Channel:21100, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)**

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	4.49	4.91	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	4.5	4.93	5	Pass



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

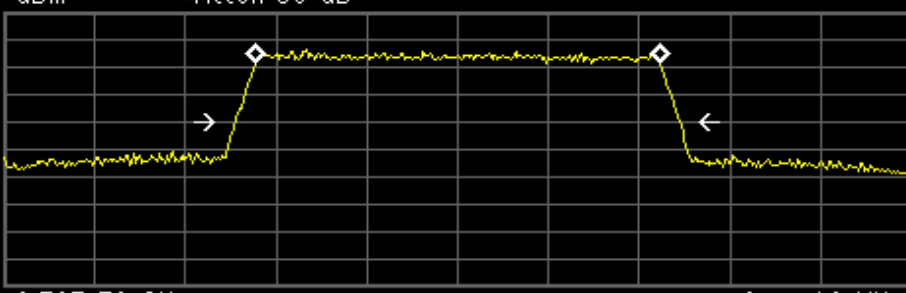
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2567.5	99	26	0.1	Peak	4.48	4.9	5	Pass

Agilent
Freq/Channel

Ch Freq 2.5675 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB



Center 2.567 50 GHz Span 10 MHz

#Res BW 100 kHz #VBW 300 kHz #Sweep 1 s (501 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 %

4.4817 MHz x dB -26.00 dB

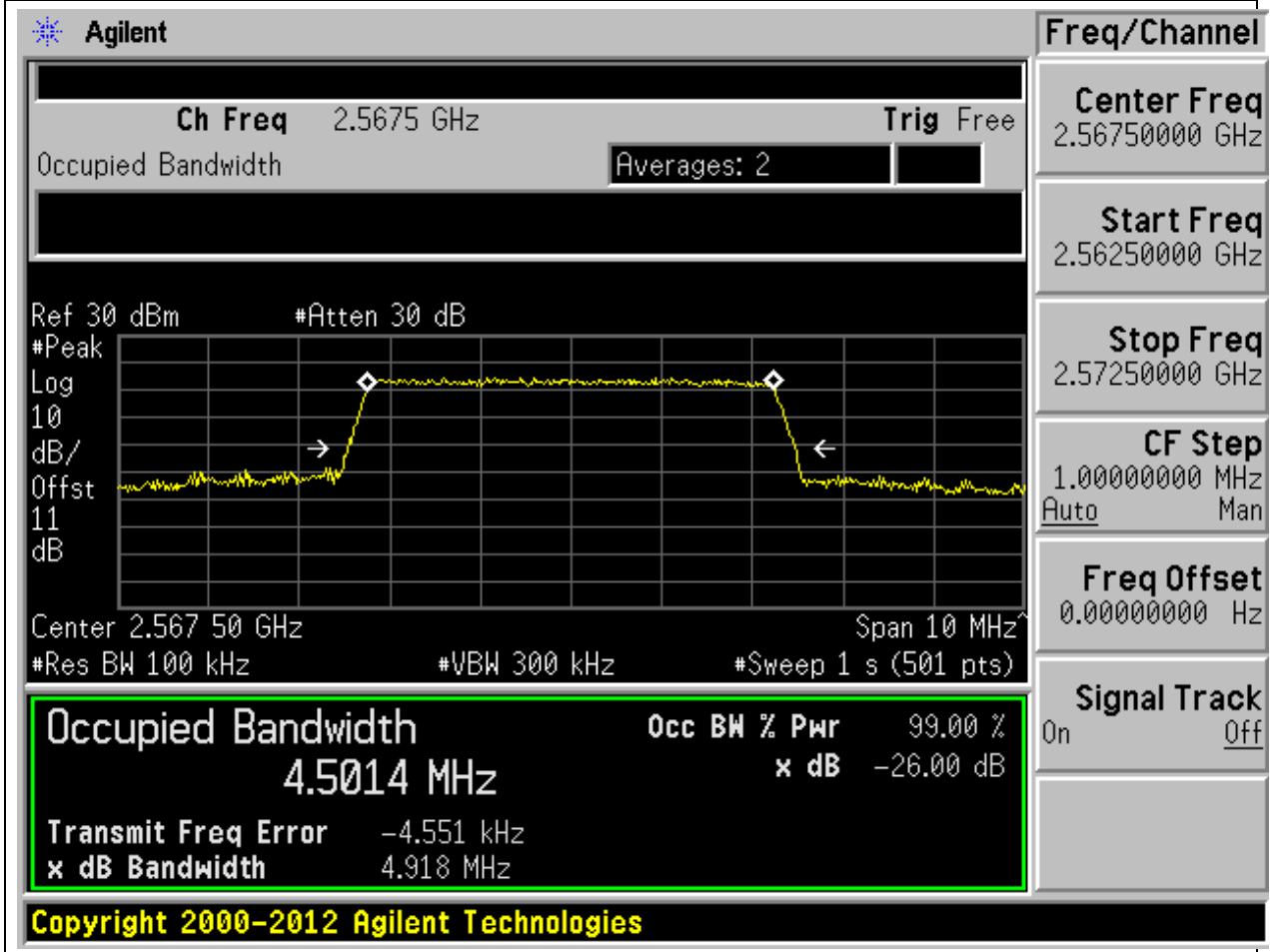
Transmit Freq Error -3.432 kHz

x dB Bandwidth 4.898 MHz

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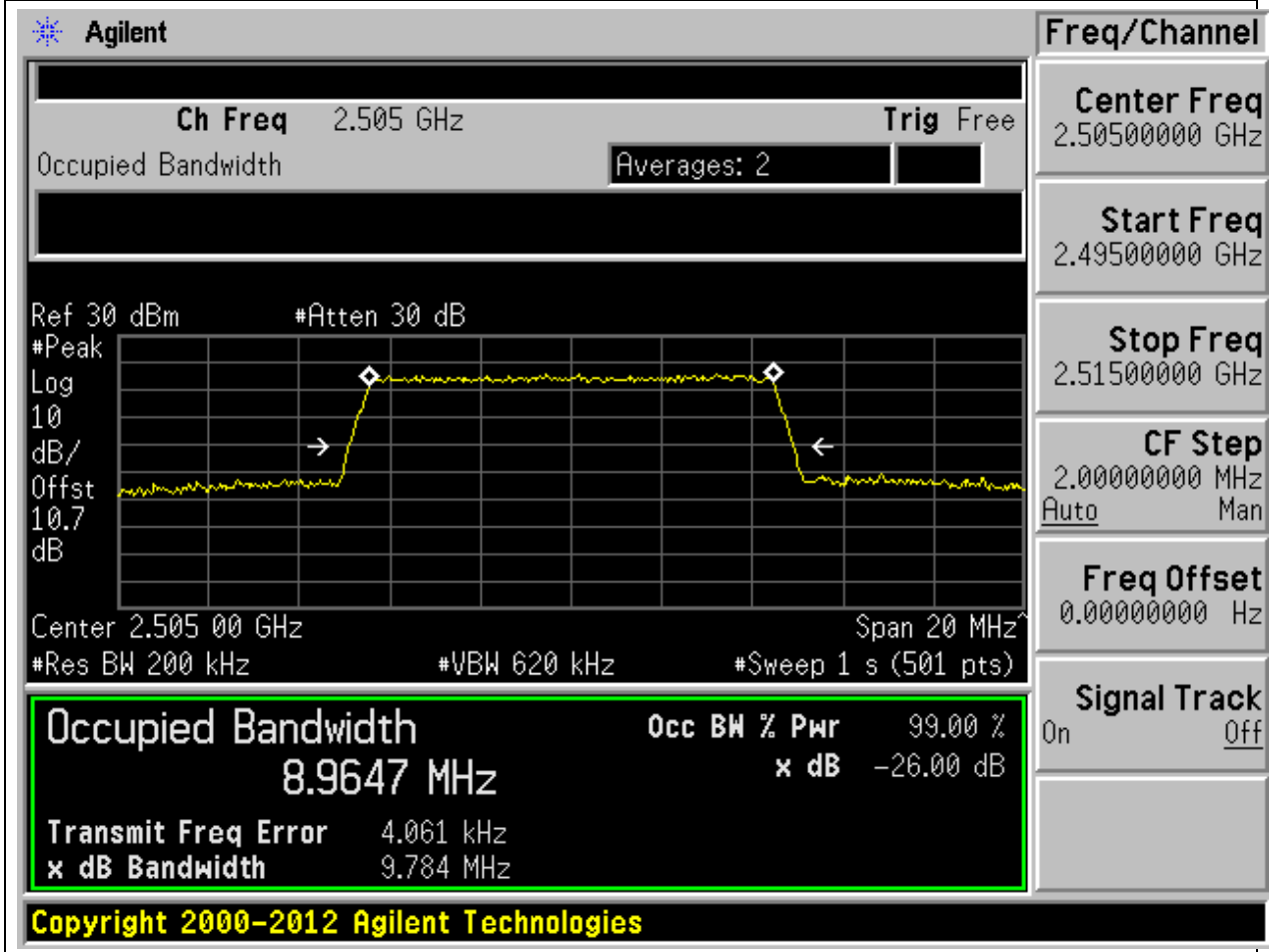
**11.6. LTE Occupied Bandwidth(NTNV)(Subtest:6, Channel:21425, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)**

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	4.92	5	Pass



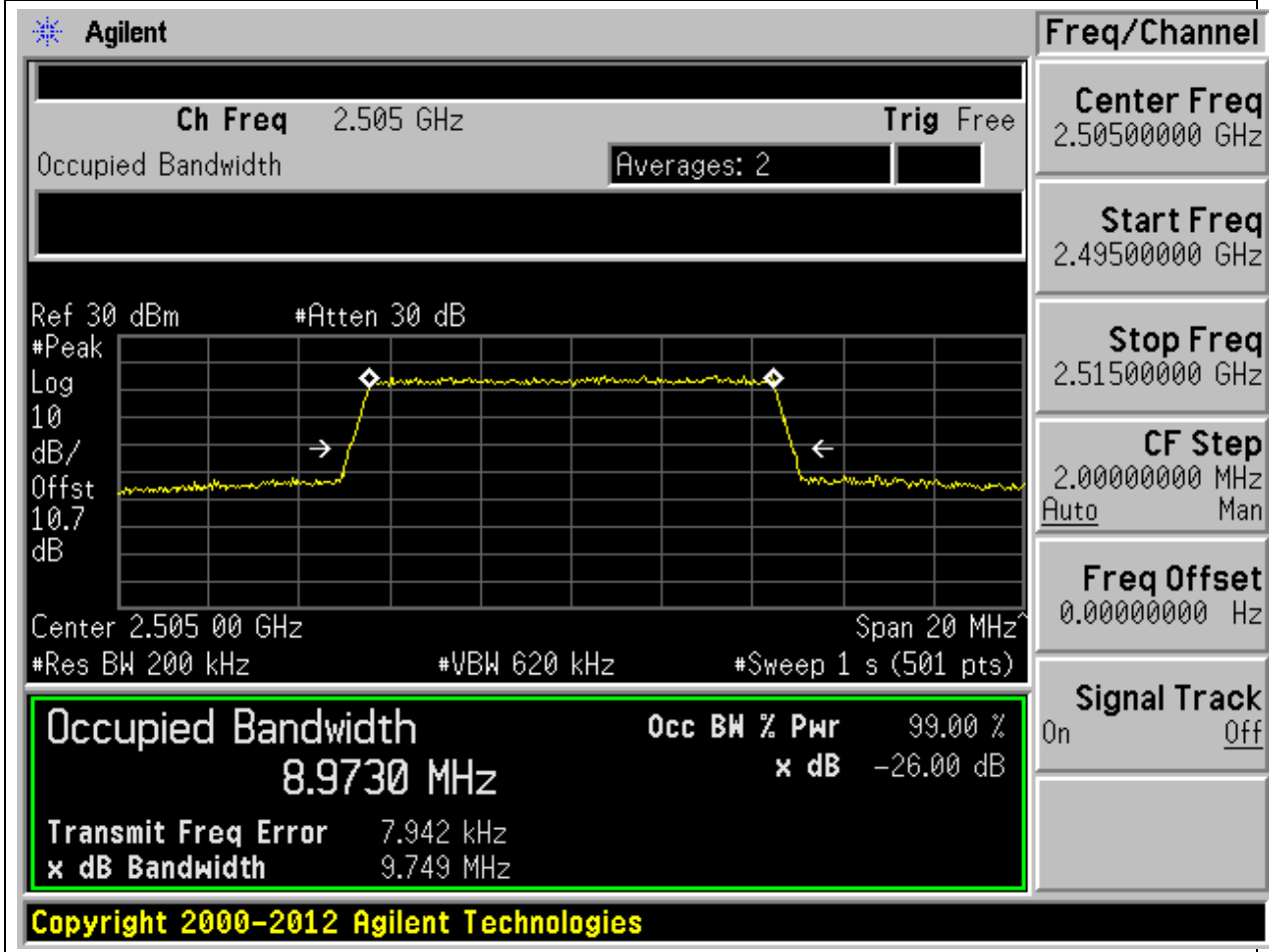
**11.7. LTE Occupied Bandwidth(NTNV)(Subtest:7, Channel:20800, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)**

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	8.96	9.78	10	Pass



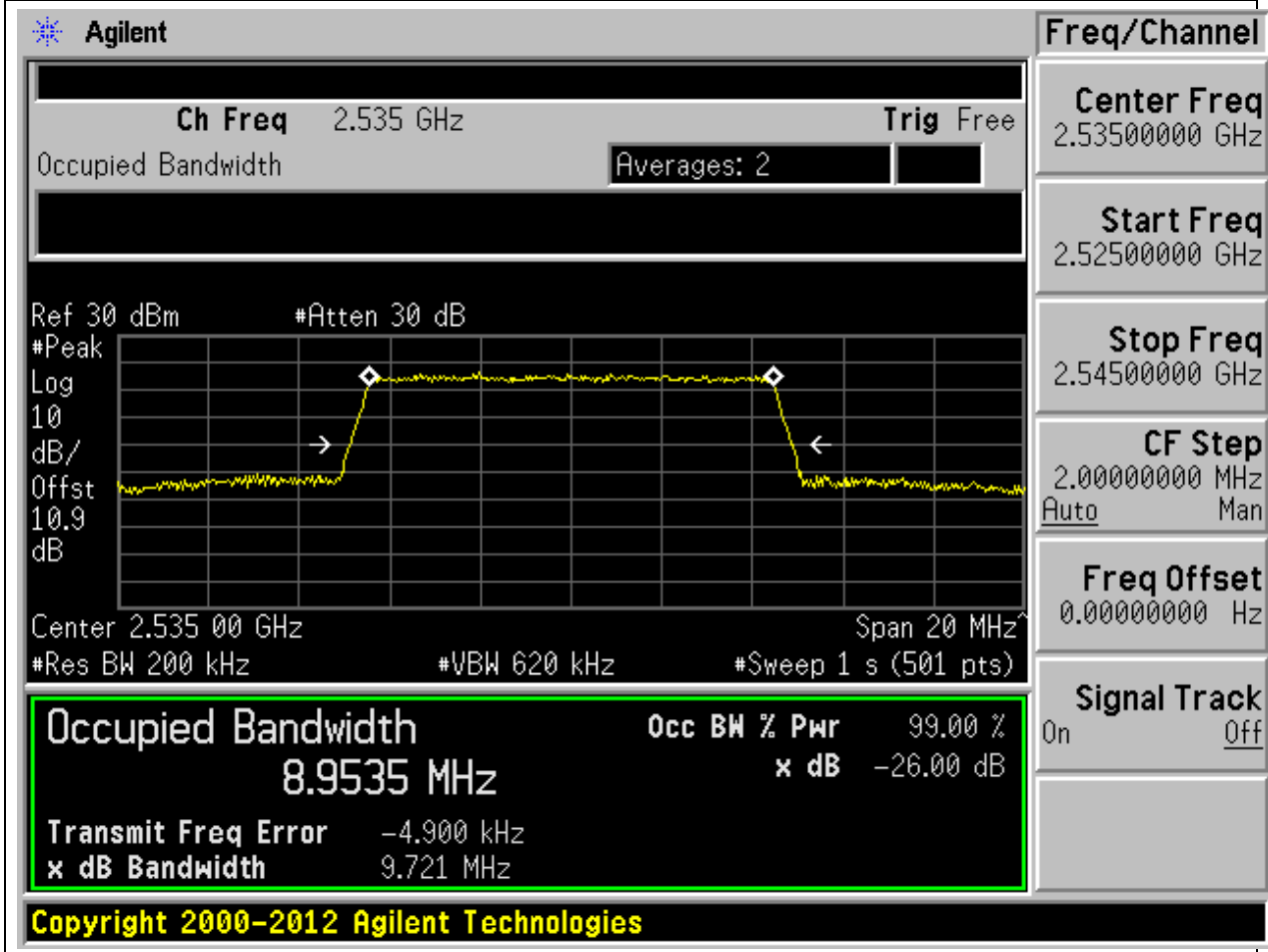
**11.8. LTE Occupied Bandwidth(NTNV)(Subtest:8, Channel:20800, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)**

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	8.97	9.75	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	9.72	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	9.7	10	Pass

**Agilent** Freq/Channel

---

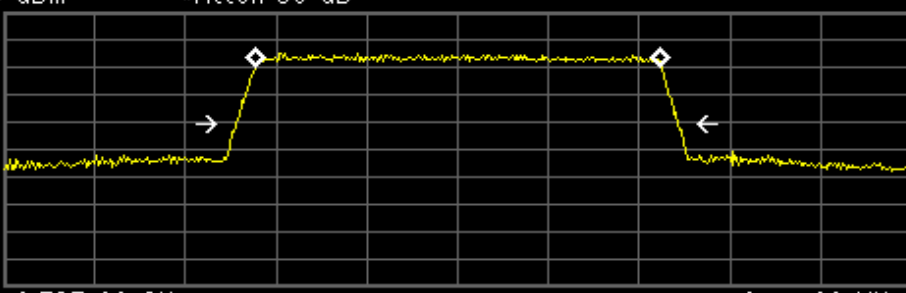
**Ch Freq** 2.535 GHz **Trig** Free

Occupied Bandwidth Averages: 2

---

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.9 dB



Center 2.535 00 GHz Span 20 MHz

#Res BW 200 kHz #VBW 620 kHz #Sweep 1 s (501 pts)

---

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
8.9601 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	-266.446 Hz	
<b>x dB Bandwidth</b>	9.696 MHz	

---

**Signal Track** On Off

---

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

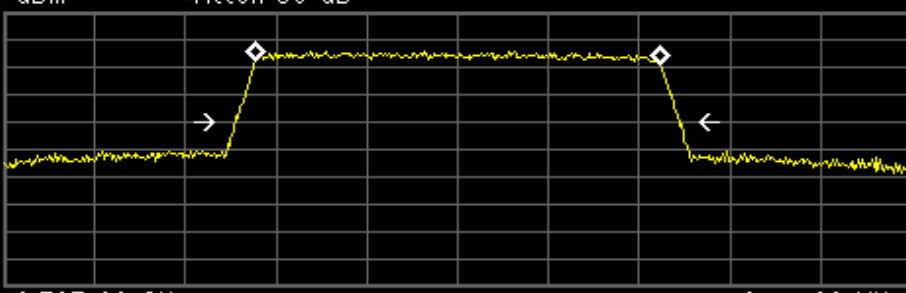
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2565	99	26	0.2	Peak	8.96	9.78	10	Pass

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 (501 pts)

Center Freq 2.56500000 GHz

Start Freq 2.55500000 GHz

Stop Freq 2.57500000 GHz

CF Step 2.00000000 MHz  
Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

**Occupied Bandwidth**

**8.9563 MHz**

Transmit Freq Error -8.595 kHz

x dB Bandwidth 9.780 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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

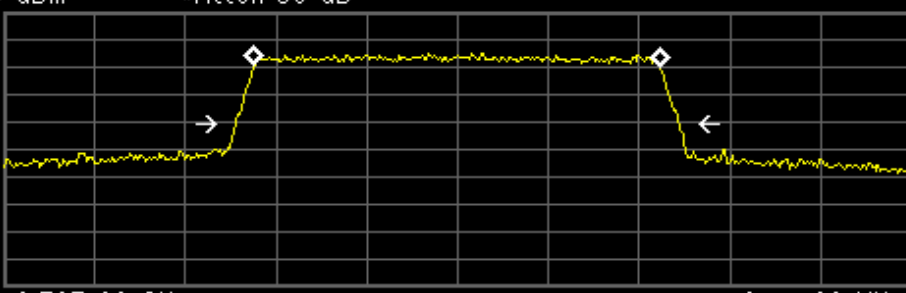
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2565	99	26	0.2	Peak	8.96	9.75	10	Pass

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 (501 pts)

Center Freq 2.56500000 GHz

Start Freq 2.55500000 GHz

Stop Freq 2.57500000 GHz

CF Step 2.00000000 MHz  
Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

**Occupied Bandwidth**

**8.9597 MHz**

Transmit Freq Error -22.365 kHz

x dB Bandwidth 9.754 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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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	14.65	15	Pass

**Agilent** Freq/Channel

---

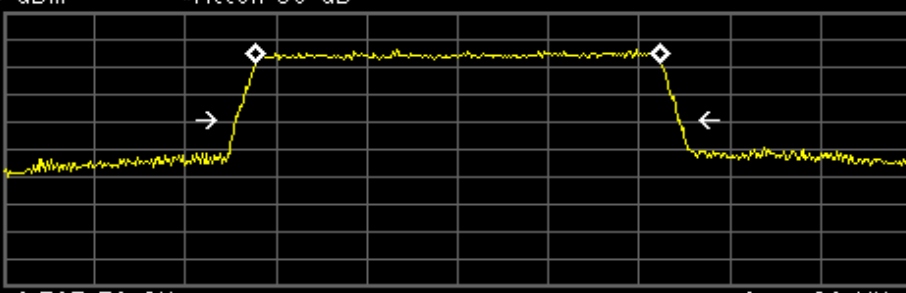
**Ch Freq** 2.5075 GHz **Trig** Free

Occupied Bandwidth Averages: 2

---

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.8 dB



Center 2.507 50 GHz Span 30 MHz

#Res BW 300 kHz #VBW 1 MHz #Sweep 1 s (501 pts)

---

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
13.4404 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	8.024 kHz	
<b>x dB Bandwidth</b>	14.650 MHz	

---

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**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

**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	13.46	14.6	15	Pass

**Agilent** Freq/Channel

---

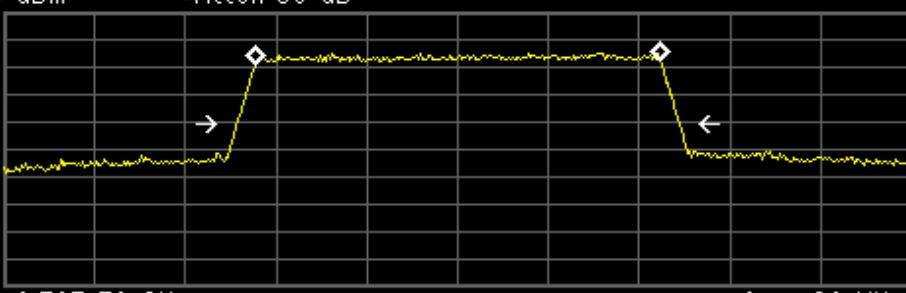
**Ch Freq** 2.5075 GHz **Trig** Free

Occupied Bandwidth Averages: 2

---

Ref 30 dBm #Atten 30 dB

#Peak  
Log  
10  
dB/  
Offst  
10.8  
dB



Center 2.507 50 GHz Span 30 MHz

#Res BW 300 kHz #VBW 1 MHz #Sweep 1 s (501 pts)

---

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
13.4623 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	11.816 kHz	
<b>x dB Bandwidth</b>	14.602 MHz	

---

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**Center Freq**  
2.50750000 GHz

**Start Freq**  
2.49250000 GHz

**Stop Freq**  
2.52250000 GHz

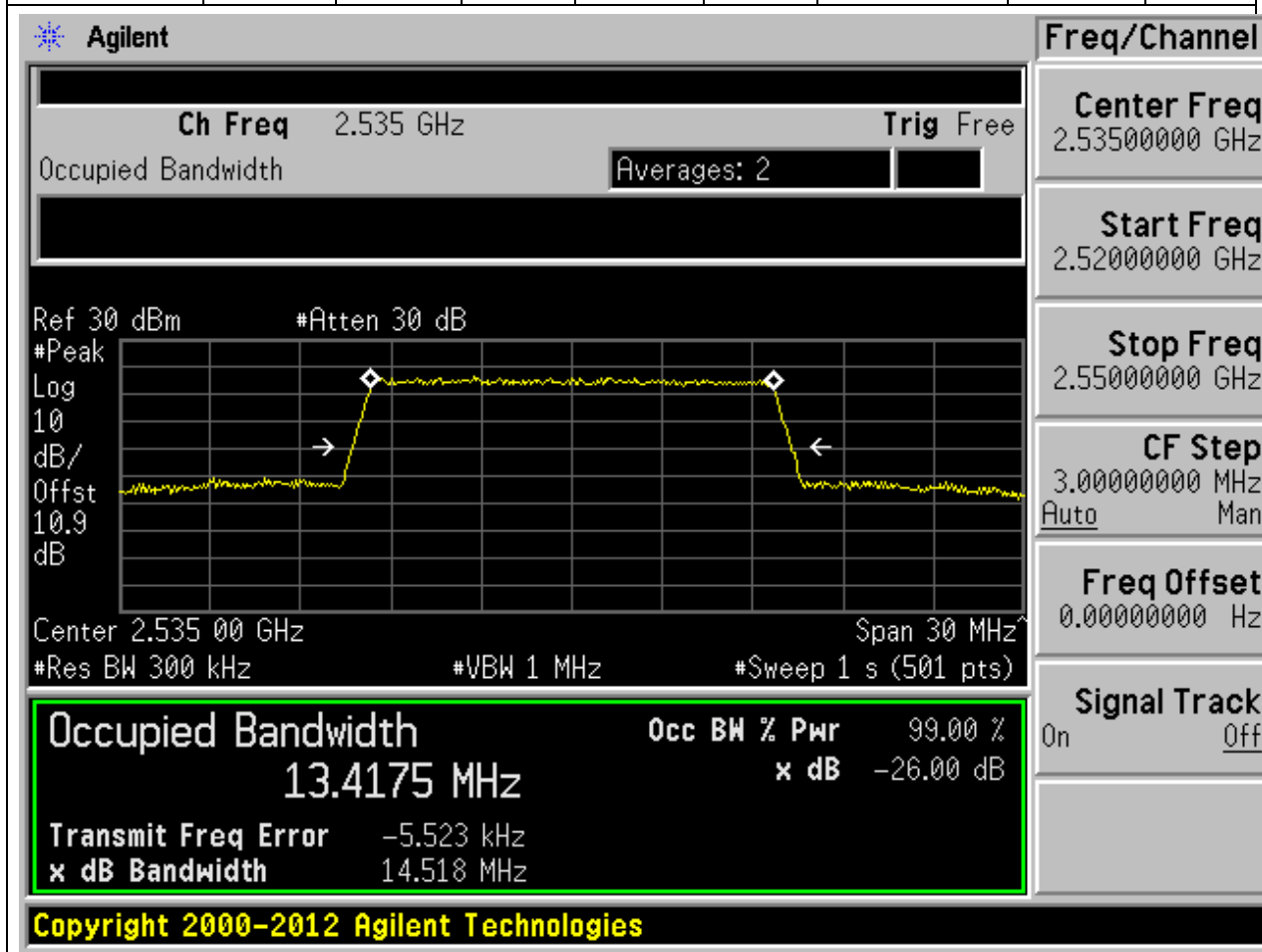
**CF Step**  
3.00000000 MHz  
Auto Man

**Freq Offset**  
0.00000000 Hz

**Signal Track**  
On Off

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	13.42	14.52	15	Pass



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	13.43	14.61	15	Pass

**Agilent** Freq/Channel

---

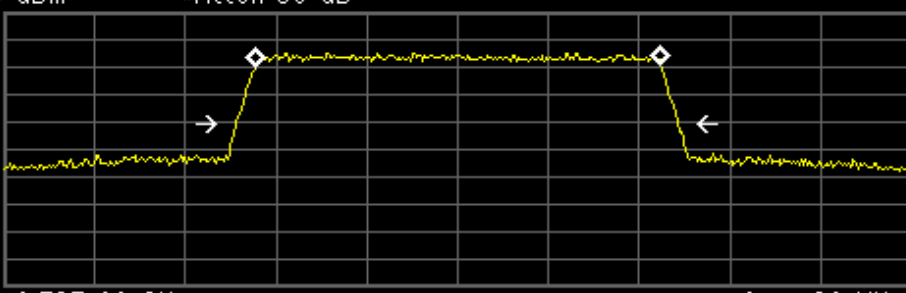
**Ch Freq** 2.535 GHz **Trig** Free

Occupied Bandwidth Averages: 2

---

Ref 30 dBm #Atten 30 dB

#Peak  
Log  
10  
dB/  
Offst  
10.9  
dB



Center 2.535 00 GHz Span 30 MHz

#Res BW 300 kHz #VBW 1 MHz #Sweep 1 s (501 pts)

---

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
13.4301 MHz	x dB	-26.00 dB
<b>Transmit Freq Error</b>	-4.493 kHz	
<b>x dB Bandwidth</b>	14.607 MHz	

---

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**Center Freq**  
2.53500000 GHz

**Start Freq**  
2.52000000 GHz

**Stop Freq**  
2.55000000 GHz

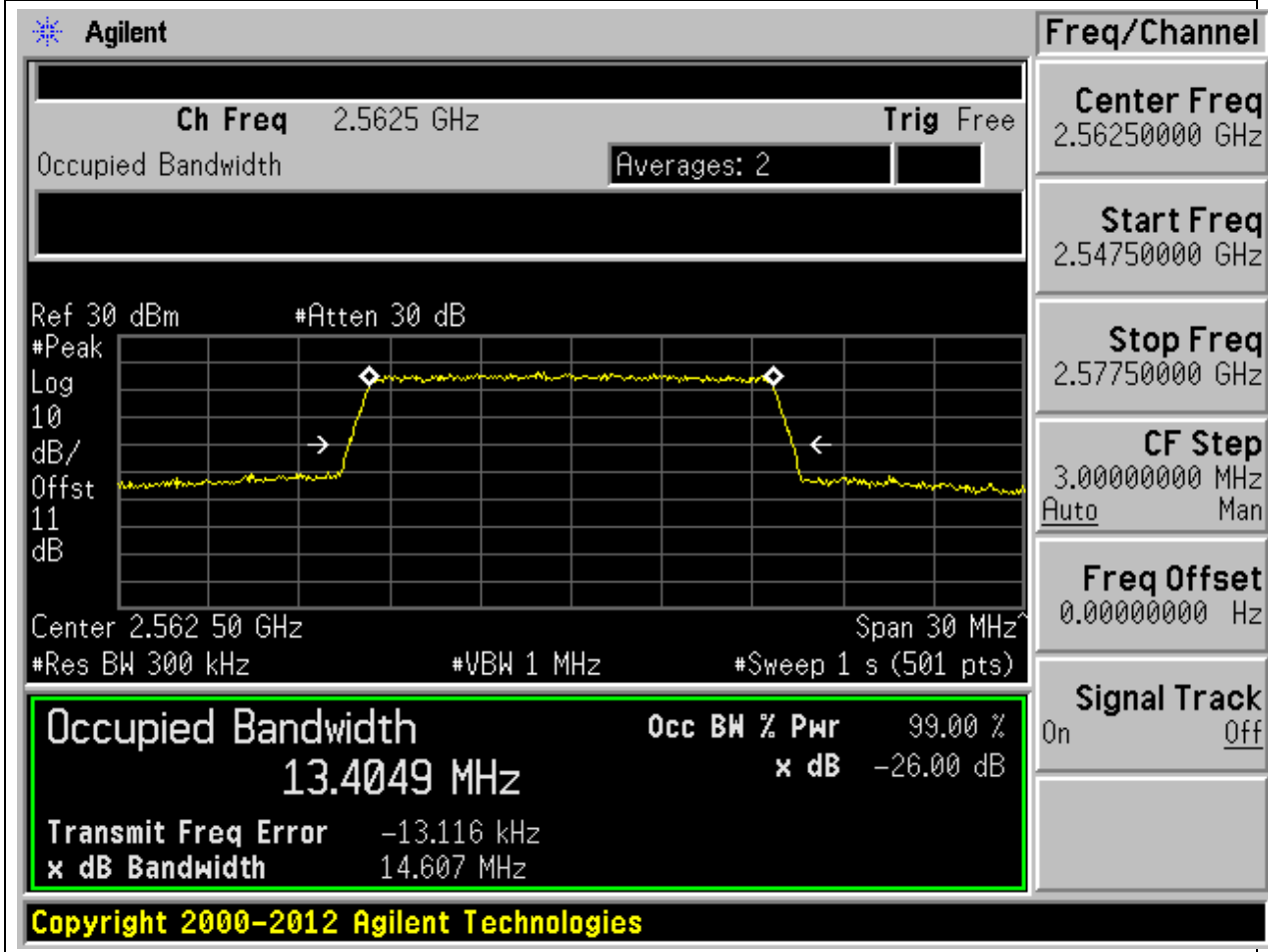
**CF Step**  
3.00000000 MHz  
Auto Man

**Freq Offset**  
0.00000000 Hz

**Signal Track**  
On Off

**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	14.61	15	Pass



**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	13.43	14.58	15	Pass

**Agilent** Freq/Channel

---

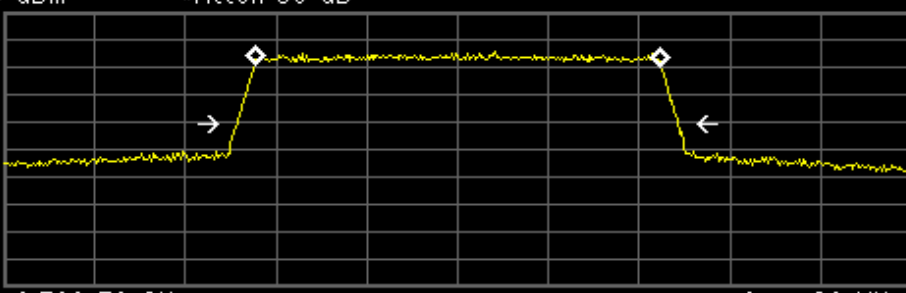
**Ch Freq** 2.5625 GHz **Trig** Free

Occupied Bandwidth Averages: 2

---

Ref 30 dBm #Atten 30 dB

#Peak  
Log  
10  
dB/  
Offst  
11  
dB



Center 2.562 50 GHz Span 30 MHz

#Res BW 300 kHz #VBW 1 MHz #Sweep 1 s (501 pts)

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

13.4311 MHz x dB -26.00 dB

Transmit Freq Error -11.652 kHz

x dB Bandwidth 14.577 MHz

**Signal Track**  
On Off

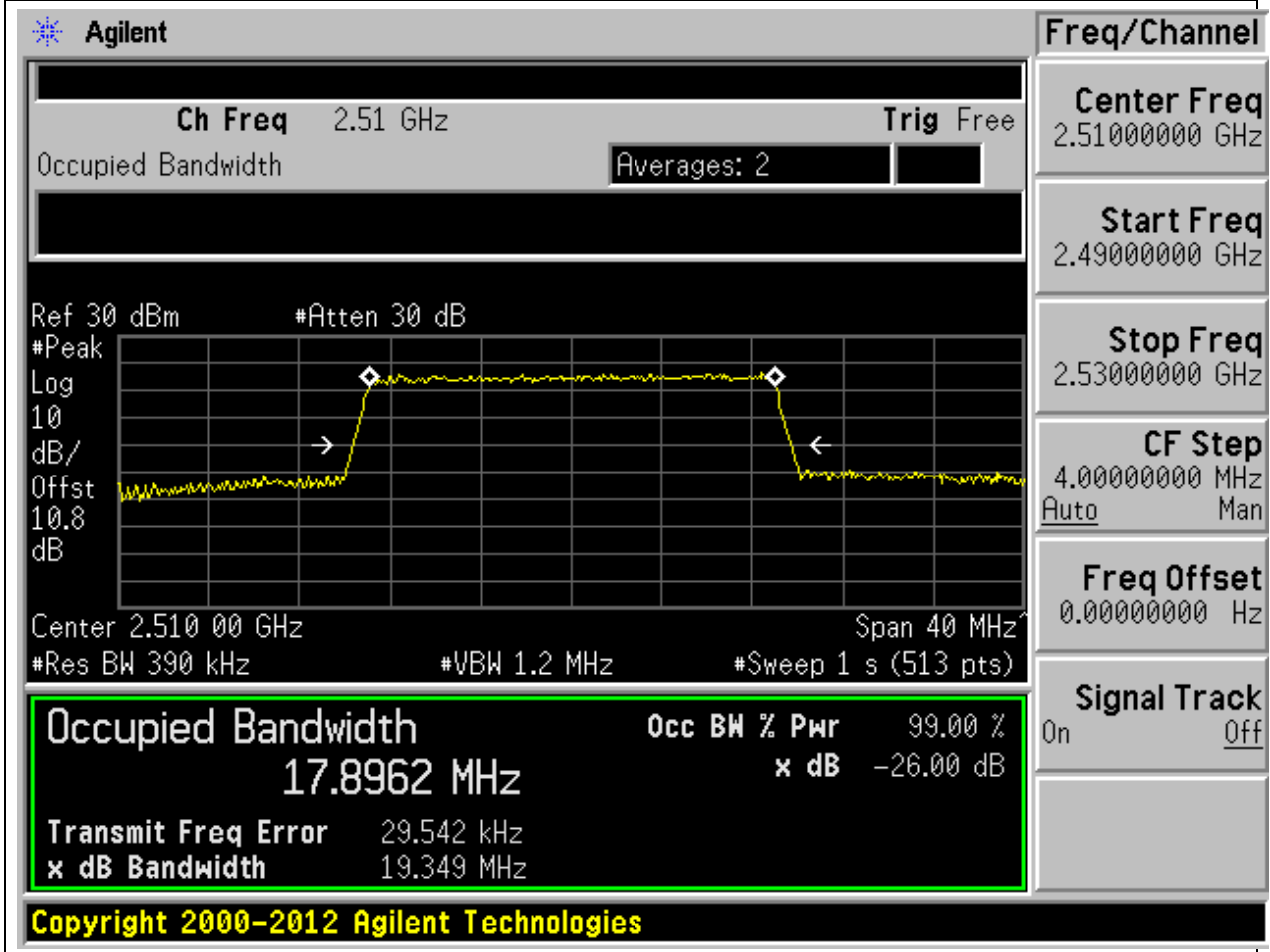
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**11.19. LTE Occupied Bandwidth(NTNV)(Subtest:19, Channel:20850, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)**

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	17.9	19.35	20	Pass



**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	17.9	19.34	20	Pass

**Agilent** Freq/Channel

---

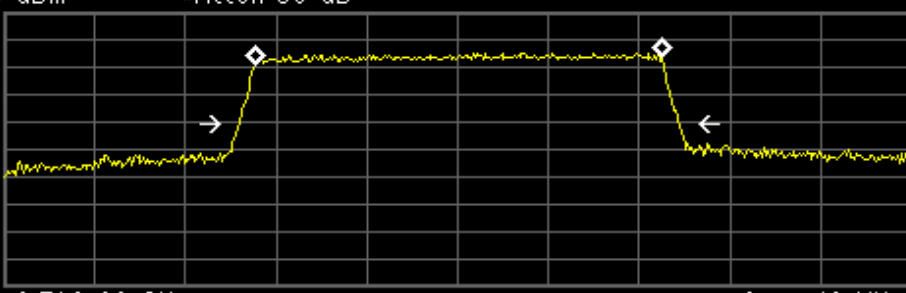
Ch Freq 2.51 GHz Trig Free

Occupied Bandwidth Averages: 2

---

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.8 dB



Center 2.510 00 GHz Span 40 MHz

#Res BW 390 kHz #VBW 1.2 MHz #Sweep 1 s (513 pts)

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

17.9015 MHz x dB -26.00 dB

Transmit Freq Error 34.551 kHz

x dB Bandwidth 19.341 MHz

**Signal Track** On Off

---

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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	17.88	19.28	20	Pass

**Agilent** Freq/Channel

---

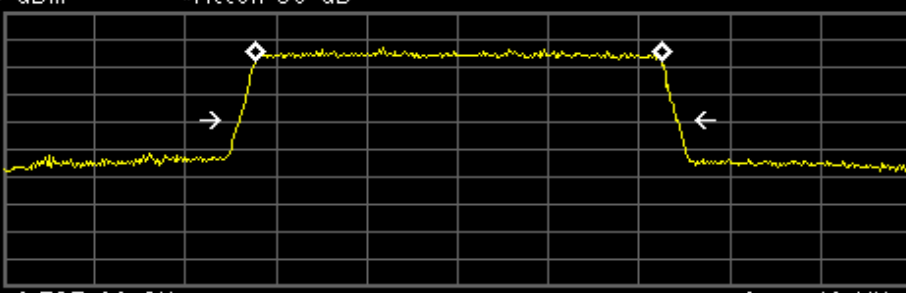
**Ch Freq** 2.535 GHz **Trig** Free

Occupied Bandwidth Averages: 2

---

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.9 dB



Center 2.535 00 GHz Span 40 MHz

#Res BW 390 kHz #VBW 1.2 MHz #Sweep 1 s (513 pts)

---

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
17.8751 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	14.128 kHz	
<b>x dB Bandwidth</b>	19.284 MHz	

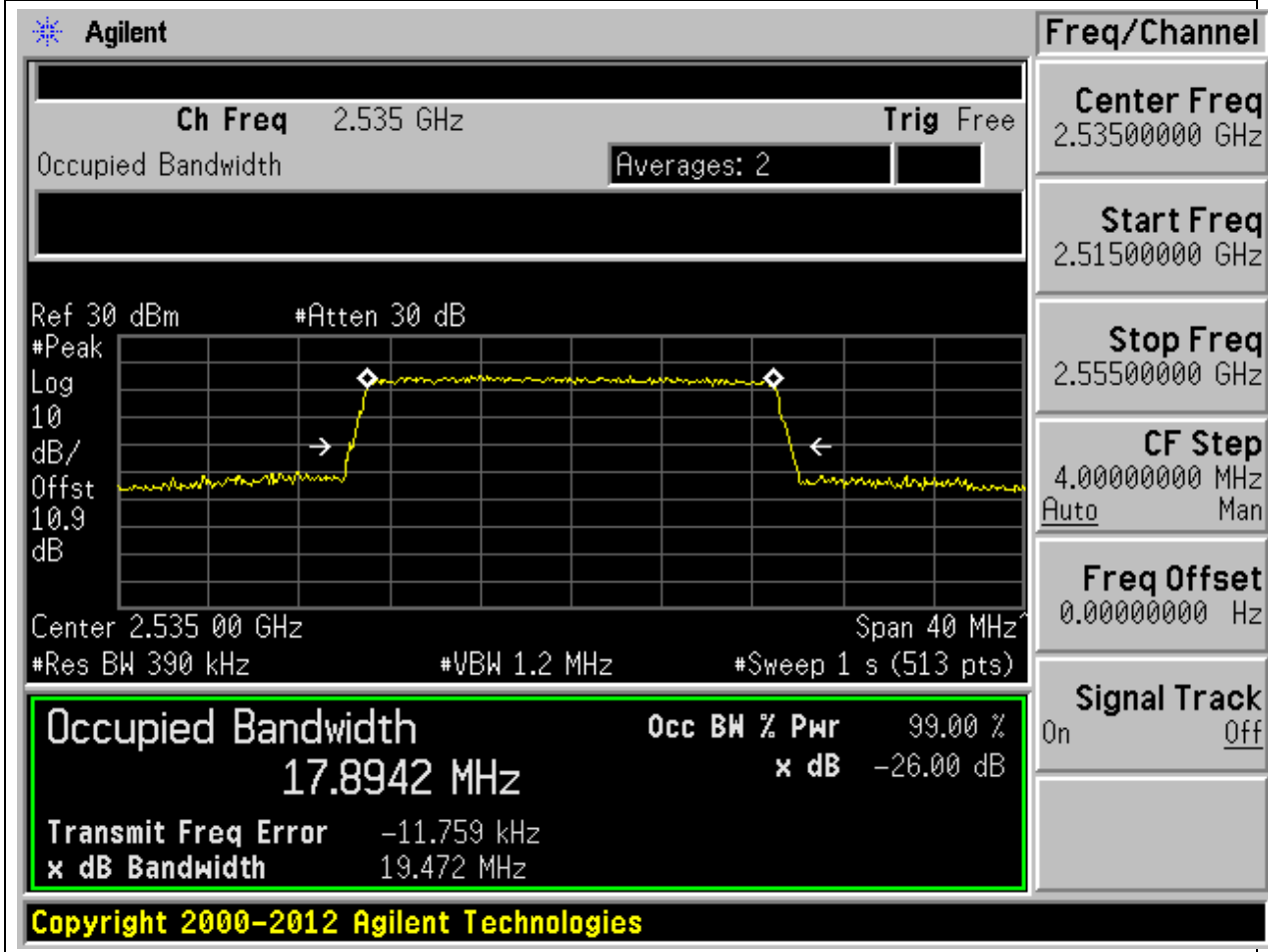
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<b>Center Freq</b>	2.53500000 GHz
<b>Start Freq</b>	2.51500000 GHz
<b>Stop Freq</b>	2.55500000 GHz
<b>CF Step</b>	4.00000000 MHz
<b>Freq Offset</b>	0.00000000 Hz
<b>Signal Track</b>	On <u>Off</u>

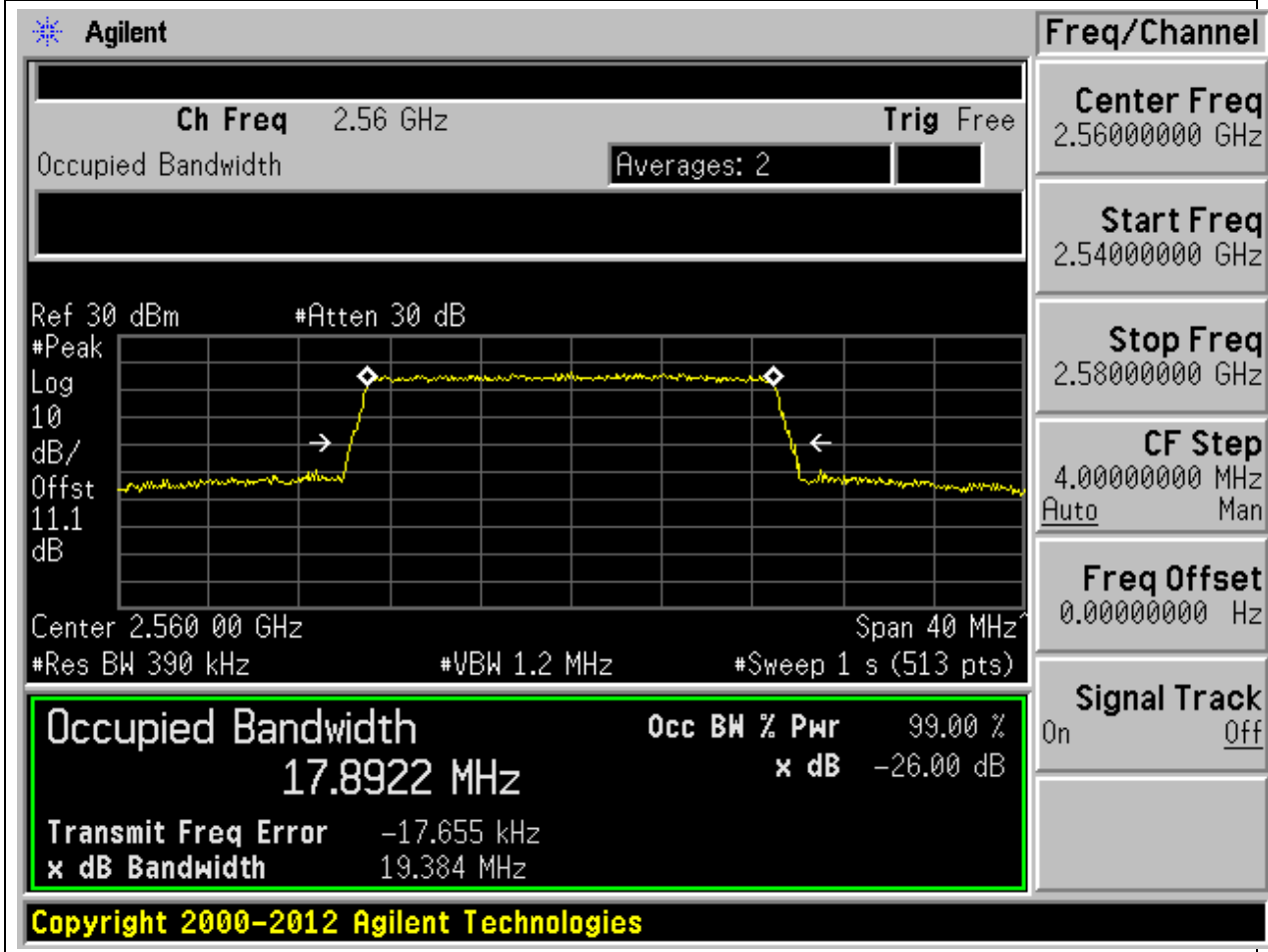
**11.22. LTE Occupied Bandwidth(NTNV)(Subtest:22, Channel:21100, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)**

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	19.47	20	Pass



**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	17.89	19.38	20	Pass



**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	17.87	19.29	20	Pass

**Agilent** Freq/Channel

---

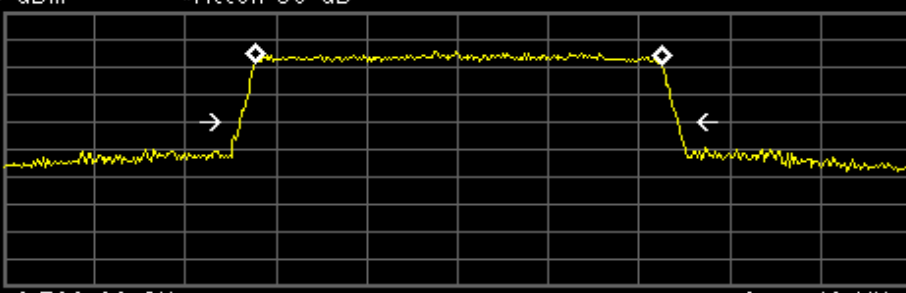
Ch Freq 2.56 GHz Trig Free

Occupied Bandwidth Averages: 2

---

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.1 dB



Center 2.560 00 GHz Span 40 MHz

#Res BW 390 kHz #VBW 1.2 MHz #Sweep 1 s (513 pts)

---

<b>Occupied Bandwidth</b>	Occ BW % Pwr	99.00 %
<b>17.8748 MHz</b>	x dB	-26.00 dB
Transmit Freq Error	13.704 kHz	
x dB Bandwidth	19.287 MHz	

---

**Signal Track**  
On Off

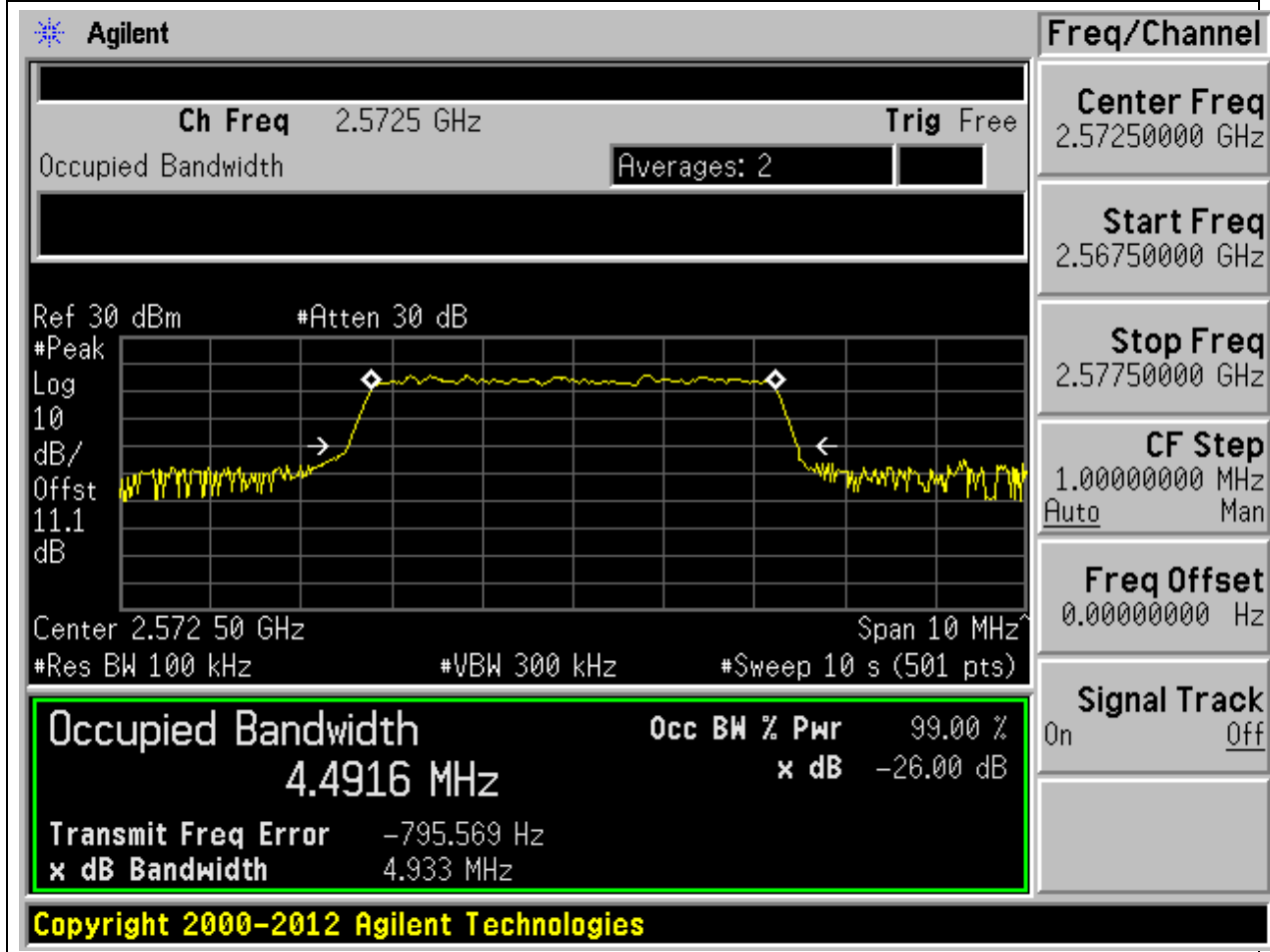
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## 12. LTE\_Band38

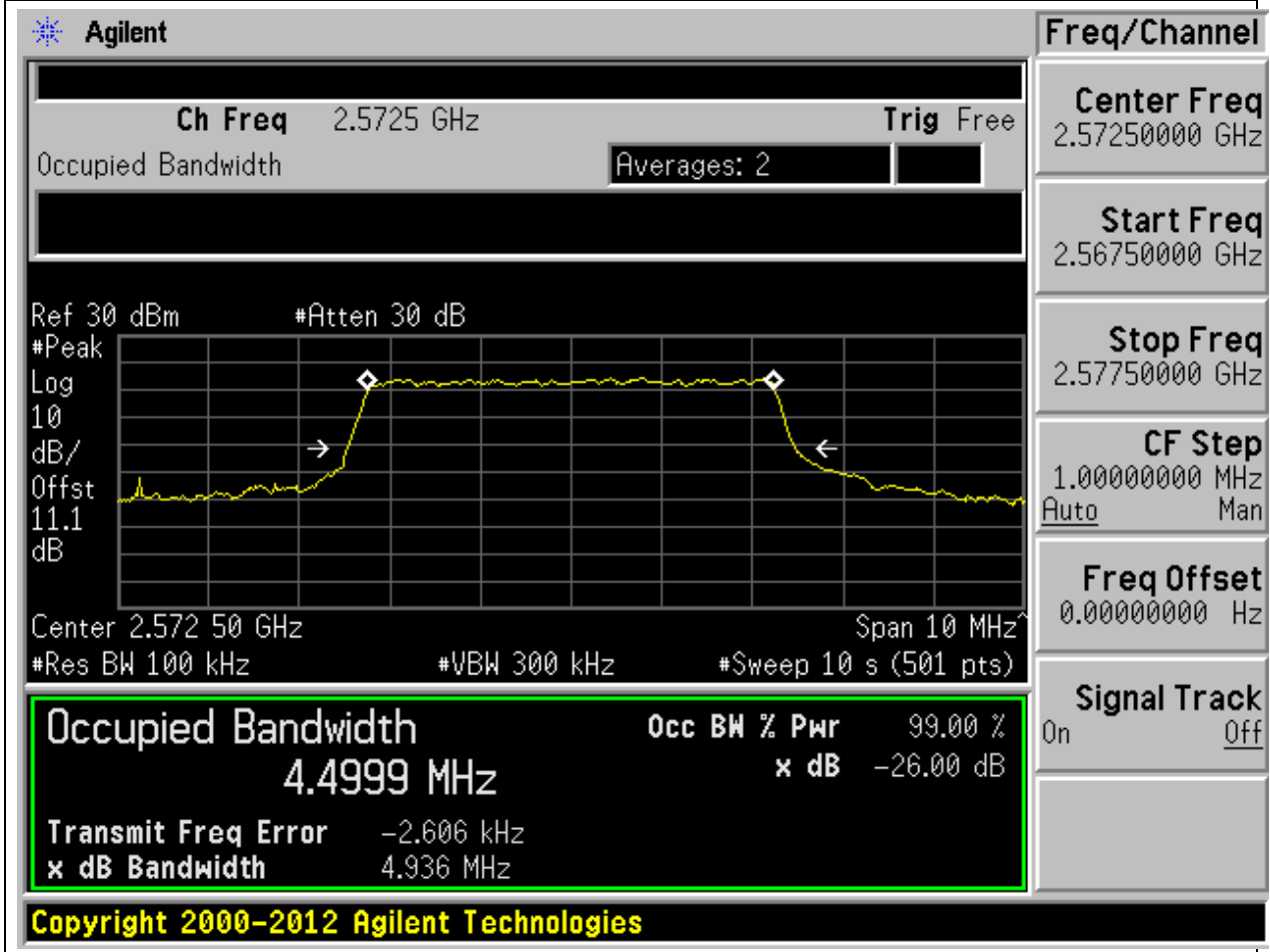
### 12.1. LTE Occupied Bandwidth(NTNV)(Subtest:1, Channel:37775, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2572.5	99	26	0.1	Peak	4.49	4.93	5	Pass



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

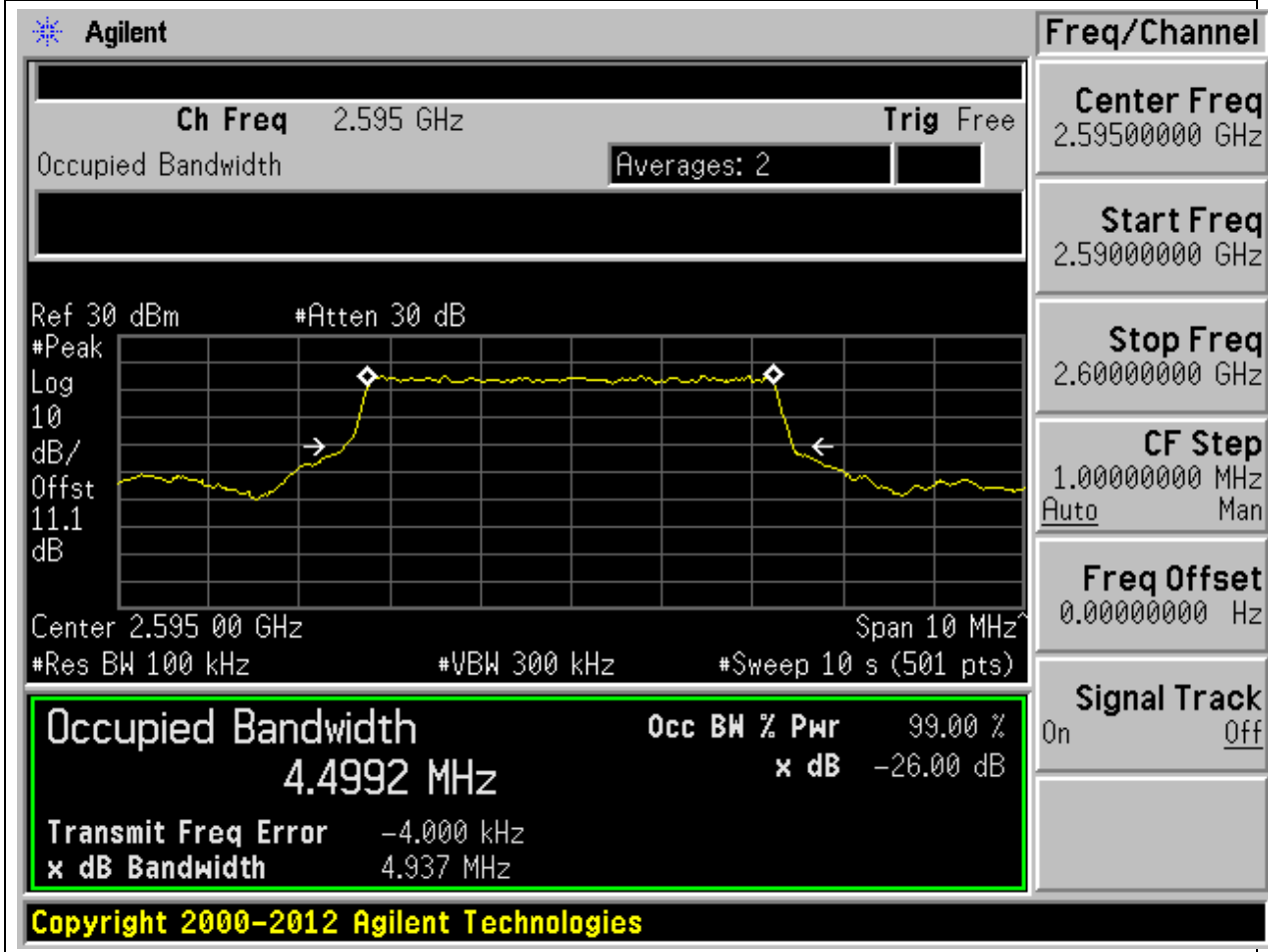
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2572.5	99	26	0.1	Peak	4.5	4.94	5	Pass





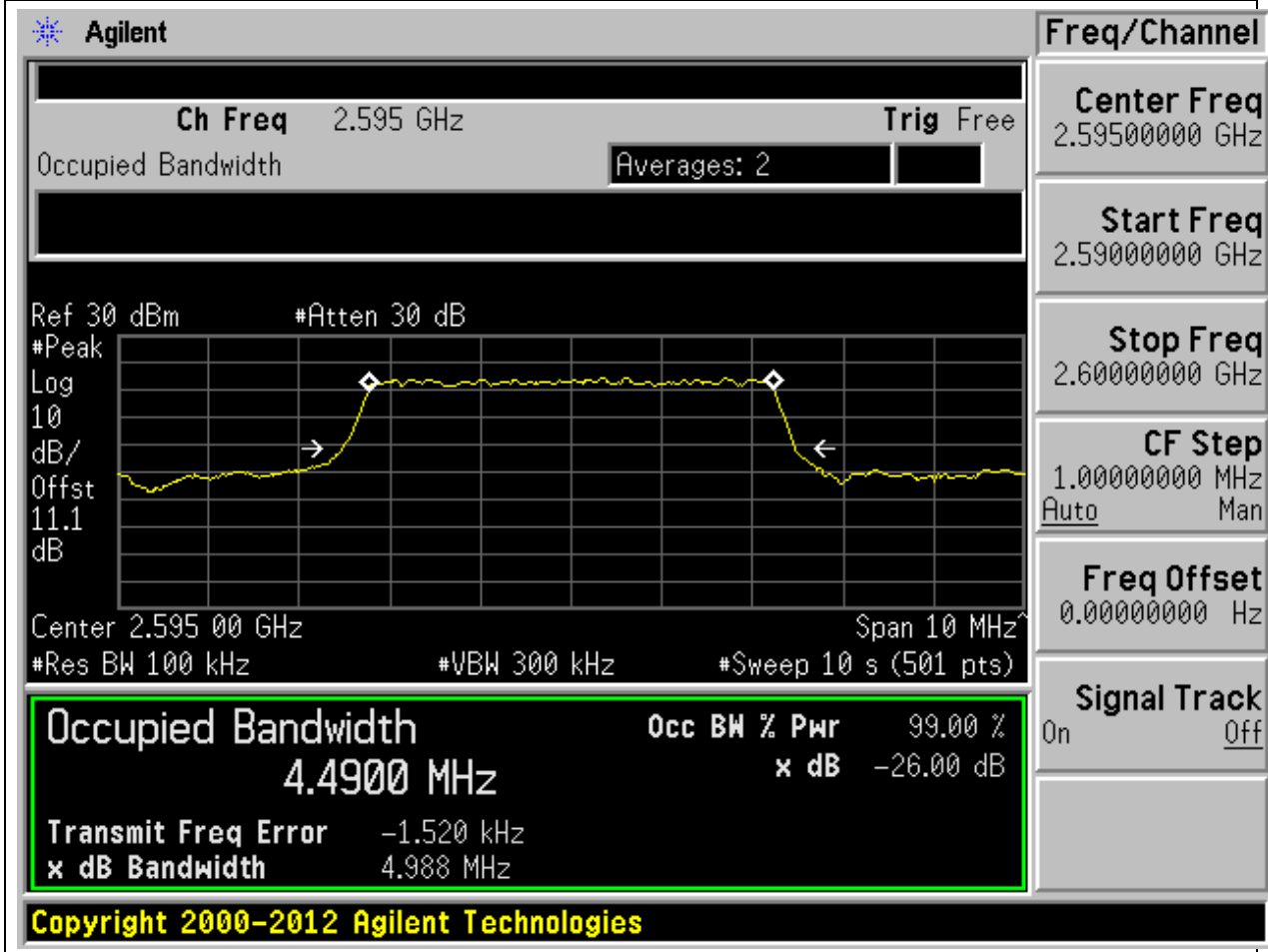
**12.3. LTE Occupied Bandwidth(NTNV)(Subtest:3, Channel:38000, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)**

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	4.94	5	Pass



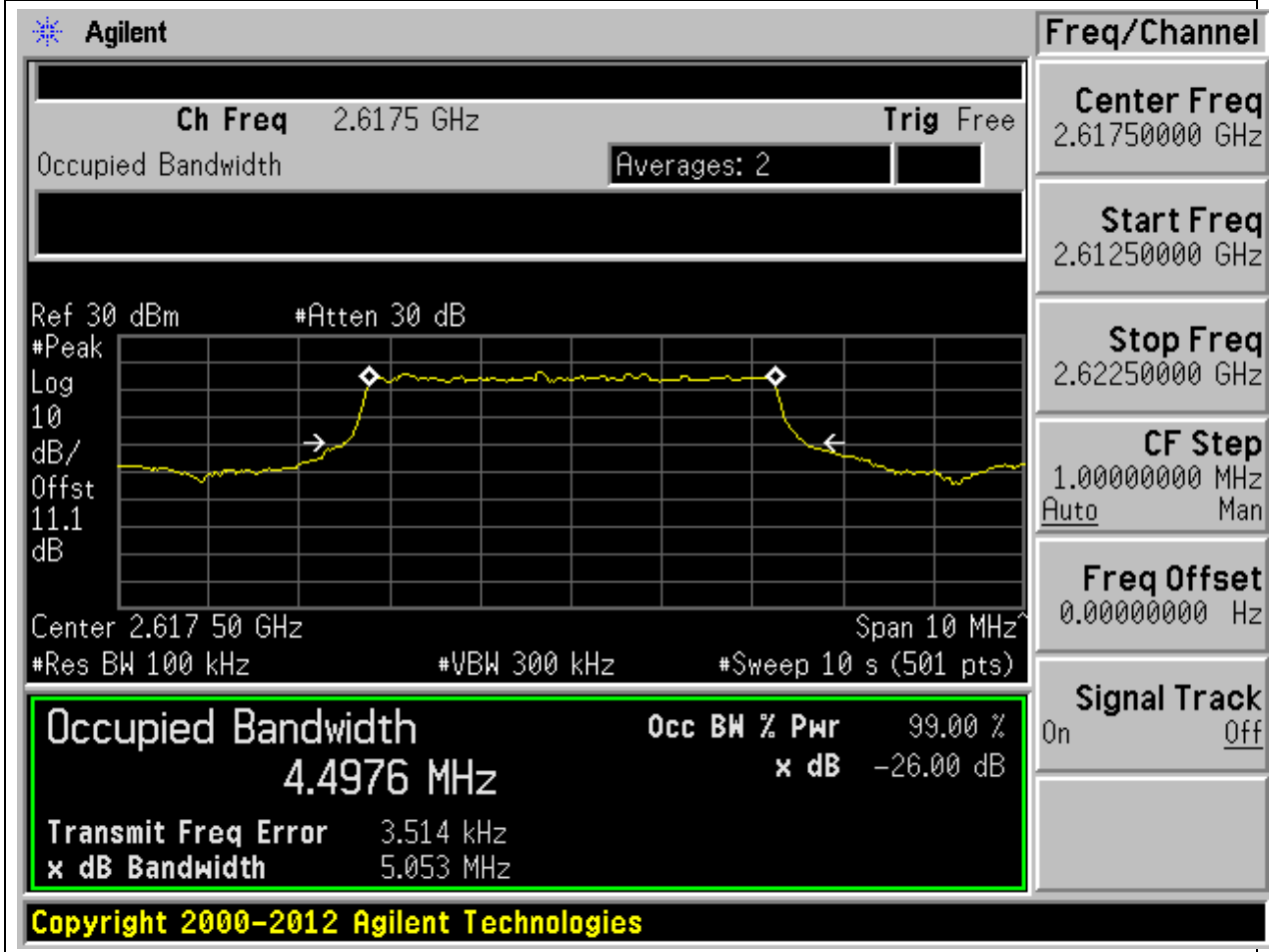
**12.4. LTE Occupied Bandwidth(NTNV)(Subtest:4, Channel:38000, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)**

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	4.49	4.99	5	Pass



**12.5. 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	5.05	5	Pass



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

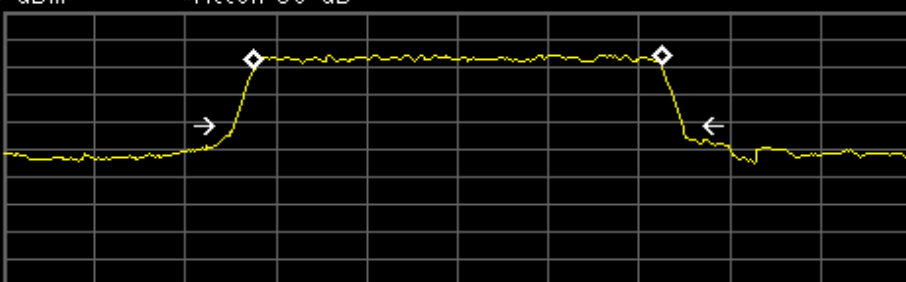
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2617.5	99	26	0.1	Peak	4.5	4.94	5	Pass

Agilent
Freq/Channel

Ch Freq 2.6175 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB



Center 2.617 50 GHz Span 10 MHz

#Res BW 100 kHz #VBW 300 kHz #Sweep 10 s (501 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** Occ BW % Pwr 99.00 %

4.4998 MHz

x dB -26.00 dB

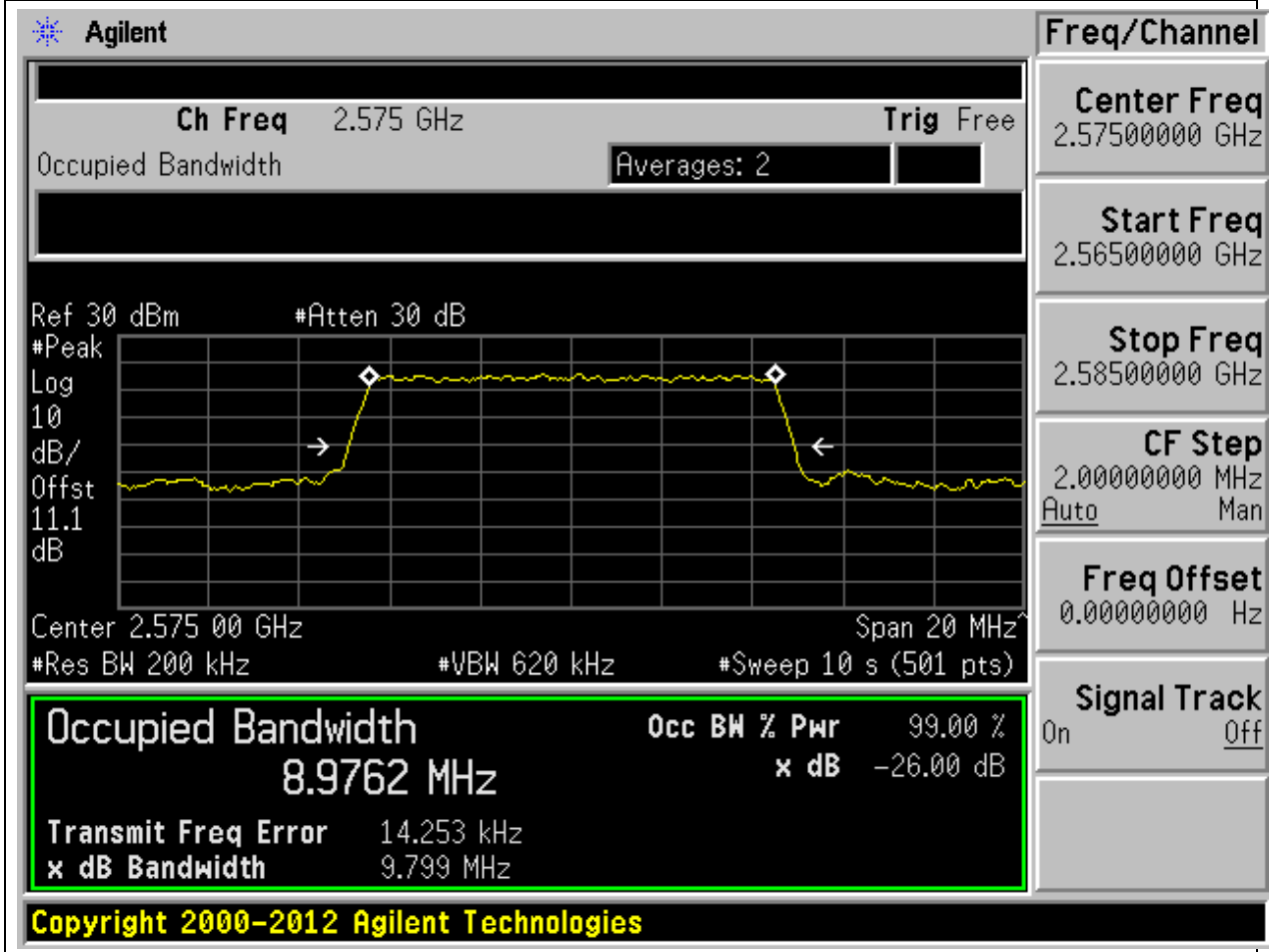
Transmit Freq Error -1.180 kHz

x dB Bandwidth 4.939 MHz

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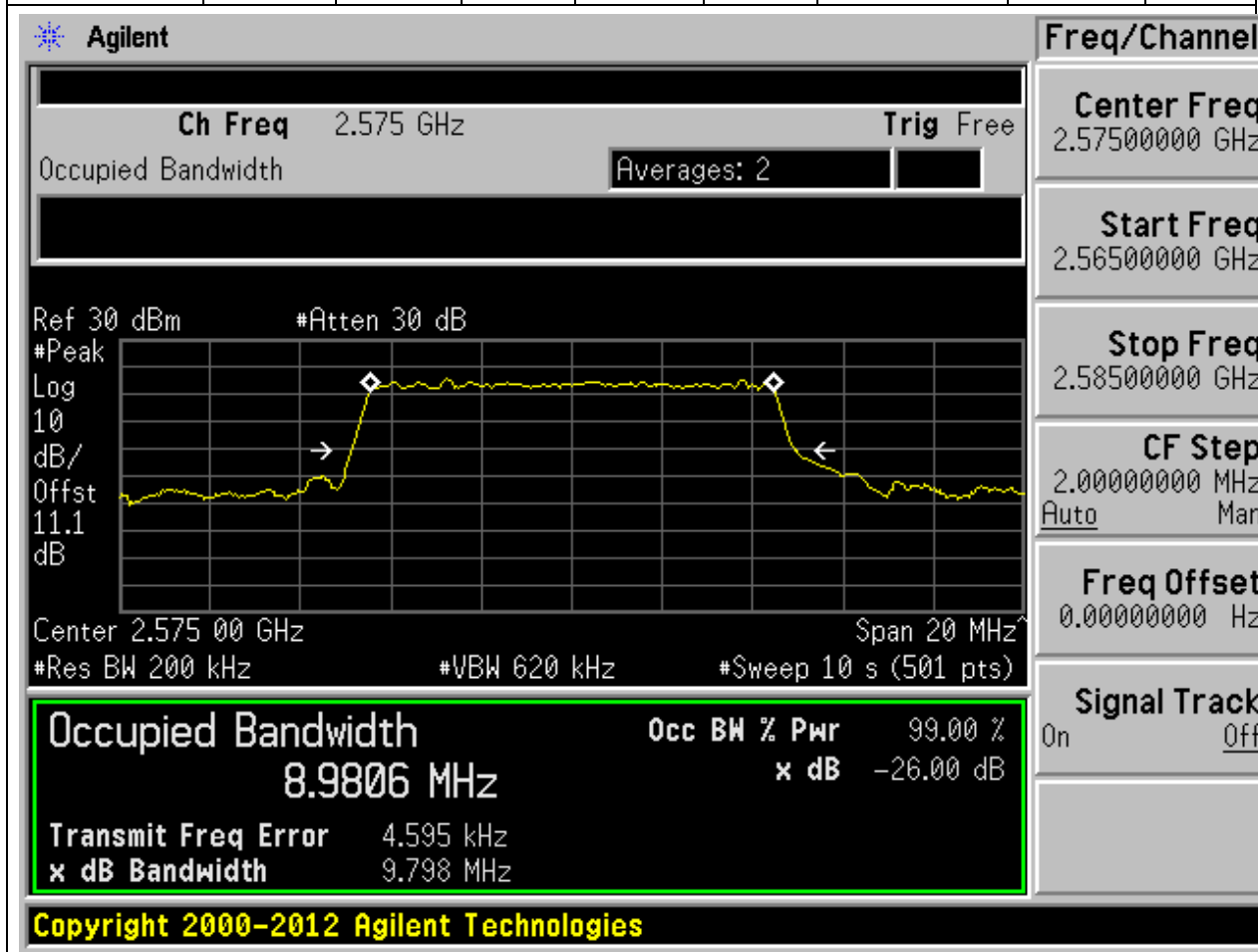
**12.7. LTE Occupied Bandwidth(NTNV)(Subtest:7, Channel:37800, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2575	99	26	0.2	Peak	8.98	9.8	10	Pass



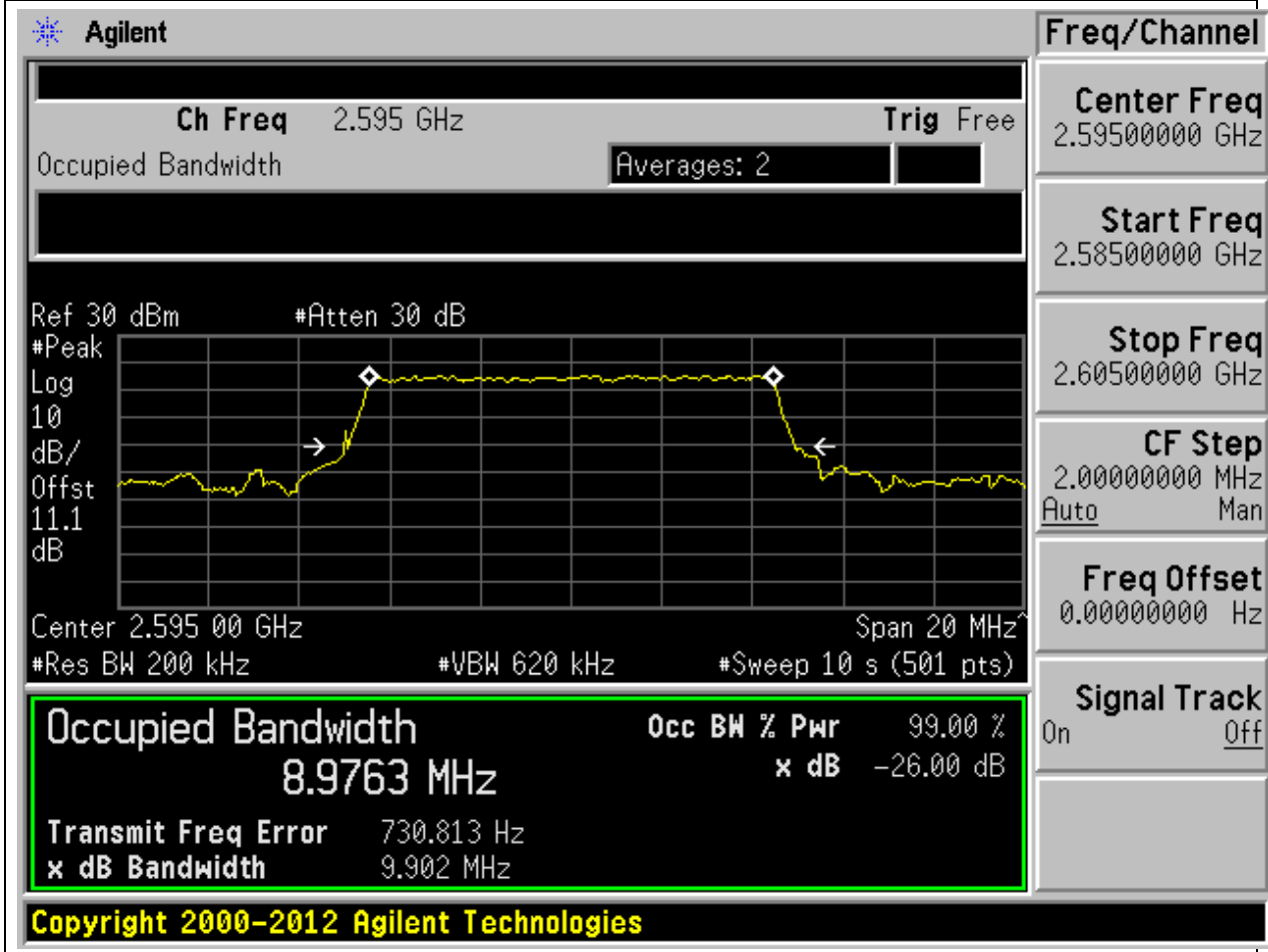
**12.8. LTE Occupied Bandwidth(NTNV)(Subtest:8, Channel:37800, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2575	99	26	0.2	Peak	8.98	9.8	10	Pass



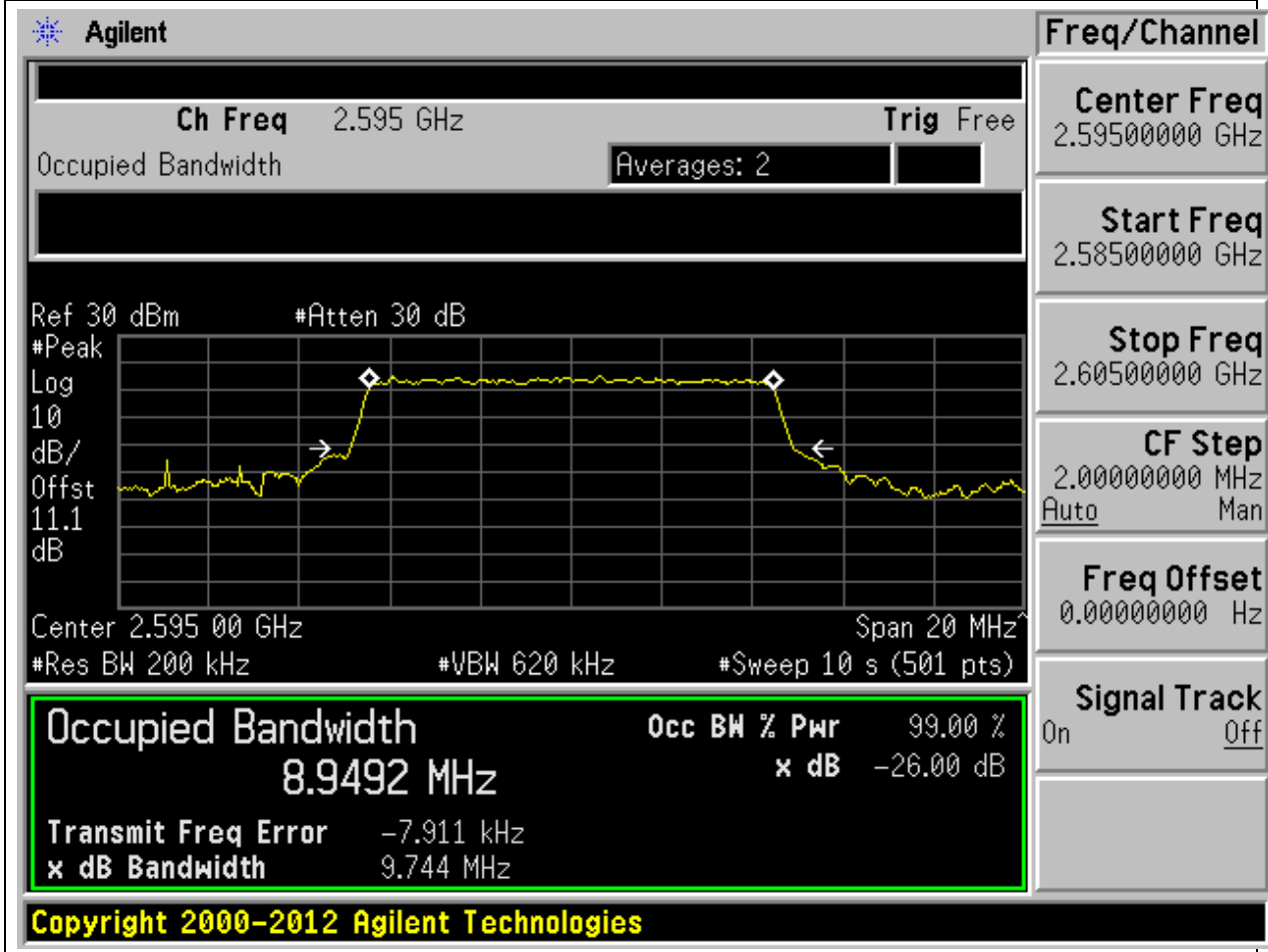
**12.9. LTE Occupied Bandwidth(NTNV)(Subtest:9, Channel:38000, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2595	99	26	0.2	Peak	8.98	9.9	10	Pass



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

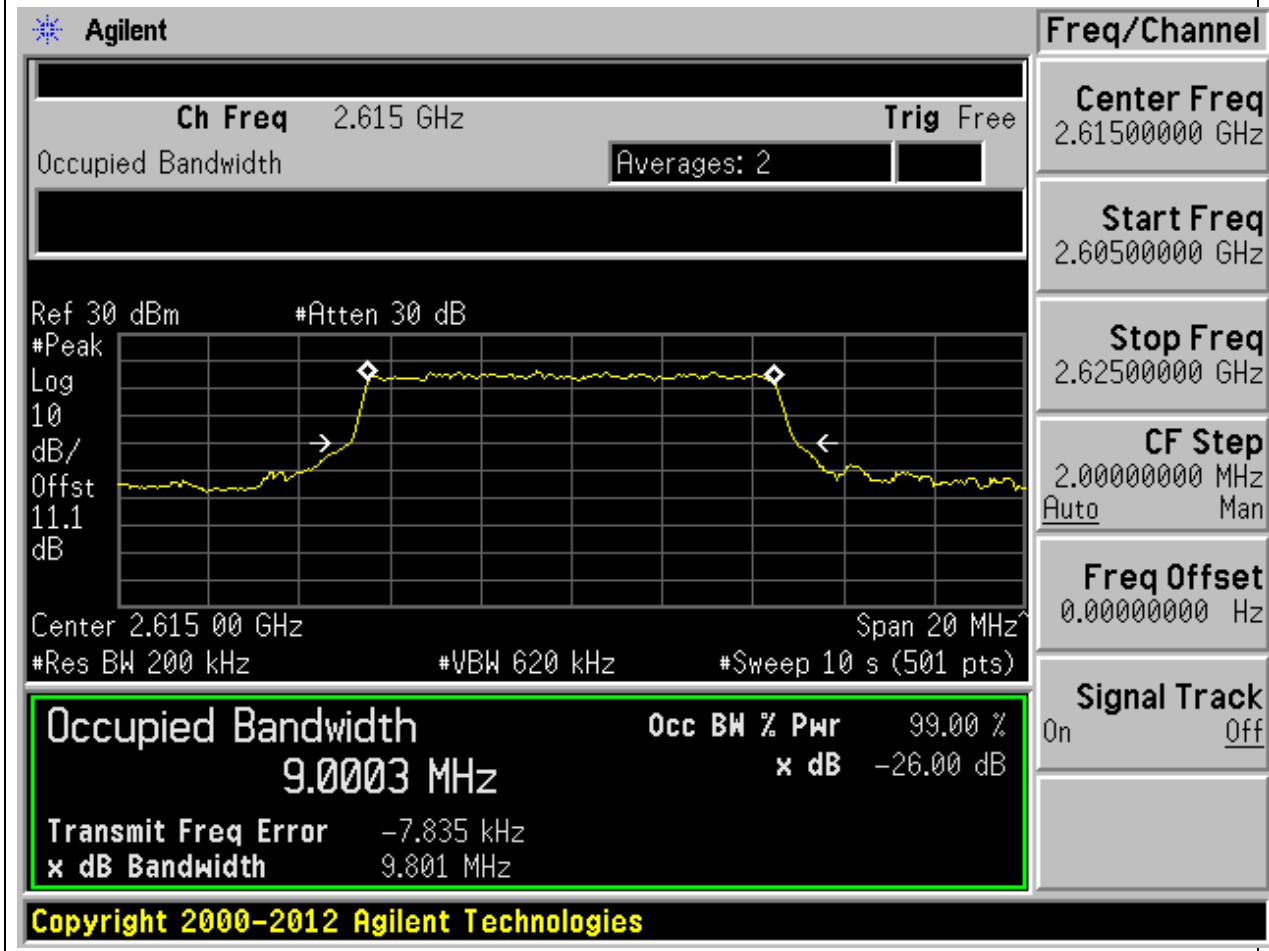
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2595	99	26	0.2	Peak	8.95	9.74	10	Pass





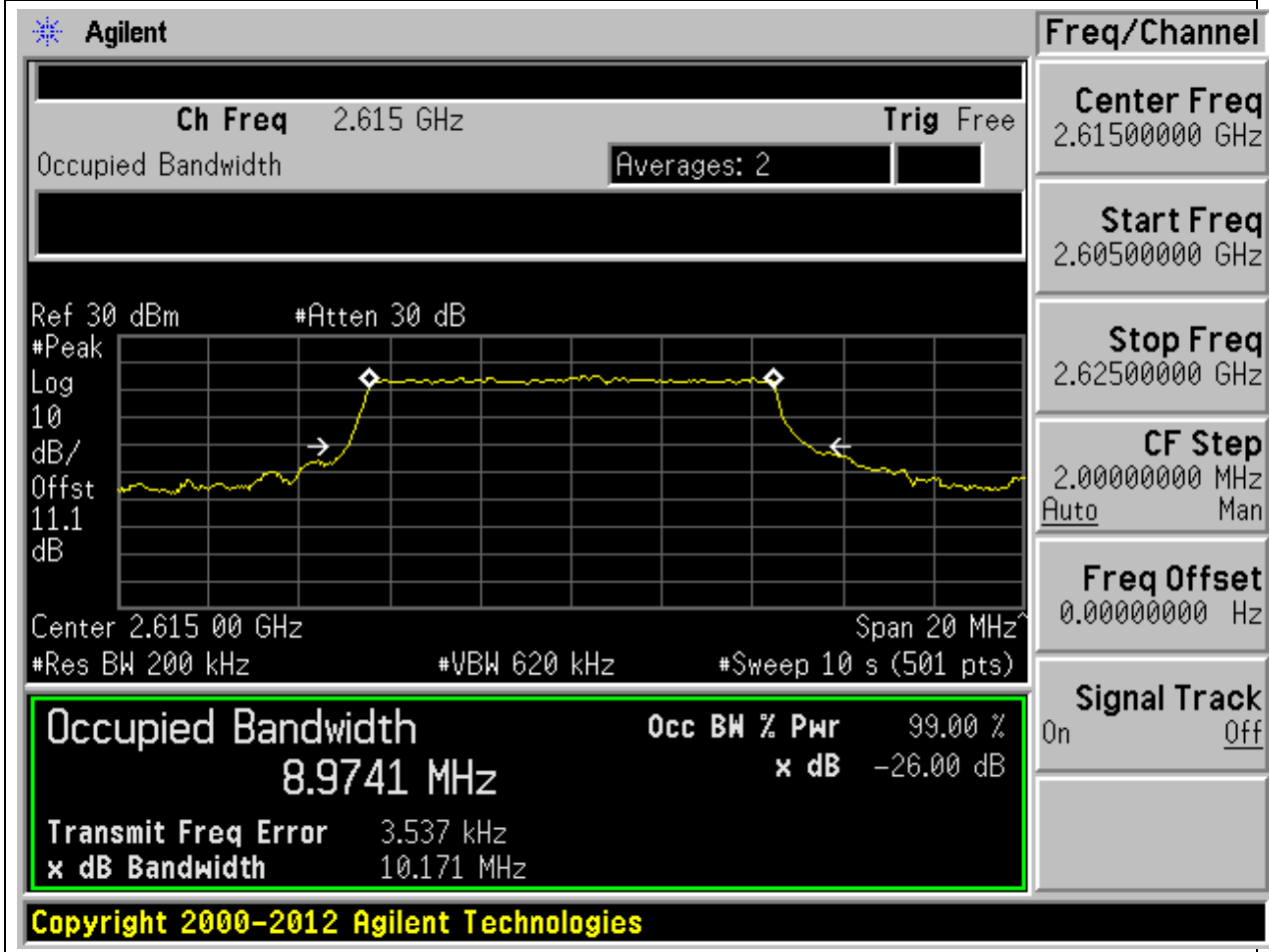
**12.11. LTE Occupied Bandwidth(NTNV)(Subtest:11, Channel:38200, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)**

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	9.8	10	Pass



**12.12. 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	8.97	10.17	10	Pass



**12.13. 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	13.47	14.77	15	Pass

**Agilent** Freq/Channel

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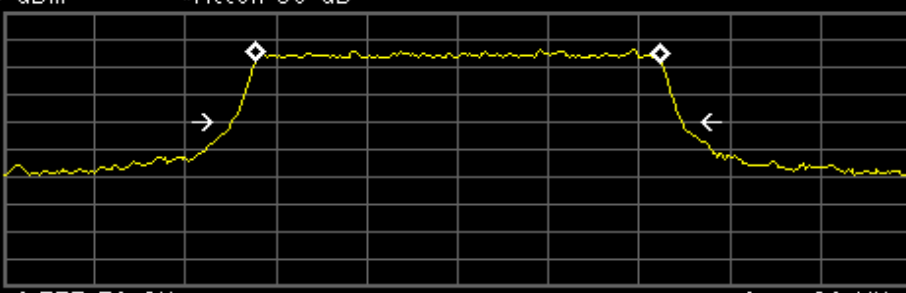
**Ch Freq** 2.5775 GHz **Trig** Free

Occupied Bandwidth Averages: 2

---

Ref 30 dBm #Atten 30 dB

#Peak  
Log  
10  
dB/  
Offst  
11.1  
dB



Center 2.577 50 GHz Span 30 MHz

#Res BW 300 kHz #VBW 1 MHz #Sweep 10 s (501 pts)

---

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
13.4721 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> 6.835 kHz	
<b>x dB Bandwidth</b> 14.773 MHz	

---

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**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

**12.14. 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	14.83	15	Pass

**Agilent** Freq/Channel

---

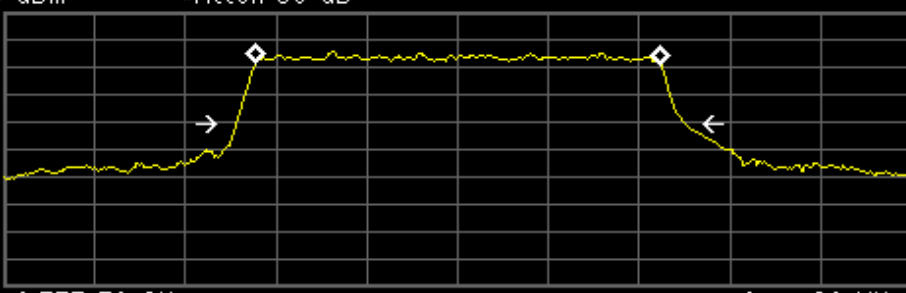
**Ch Freq** 2.5775 GHz **Trig** Free

Occupied Bandwidth Averages: 2

---

Ref 30 dBm #Atten 30 dB

#Peak  
Log  
10  
dB/  
Offst  
11.1  
dB



Center 2.577 50 GHz Span 30 MHz

#Res BW 300 kHz #VBW 1 MHz #Sweep 10 s (501 pts)

---

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
13.4655 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> -5.708 kHz	
<b>x dB Bandwidth</b> 14.834 MHz	

---

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**Center Freq**  
2.57750000 GHz

**Start Freq**  
2.56250000 GHz

**Stop Freq**  
2.59250000 GHz

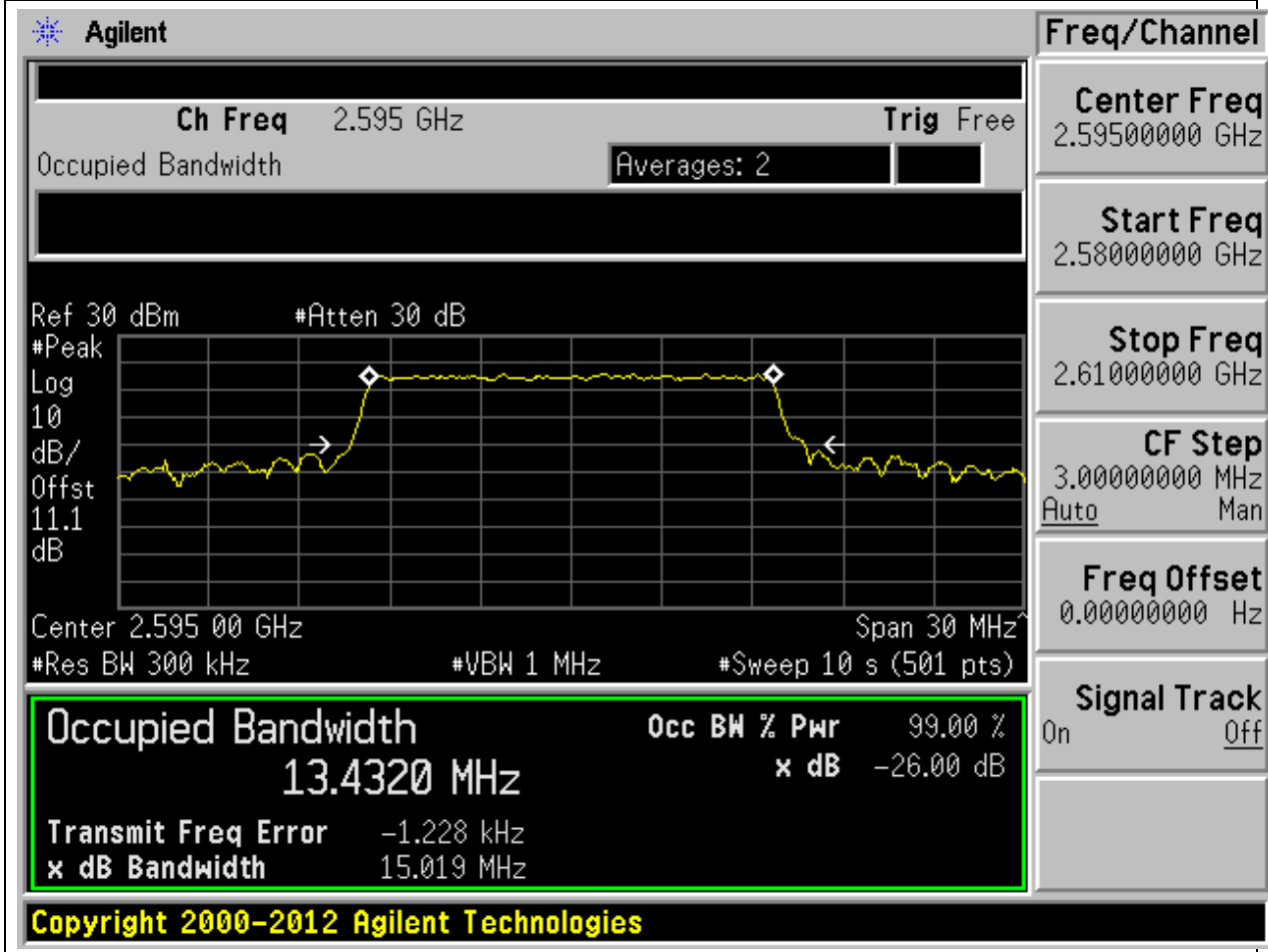
**CF Step**  
3.00000000 MHz  
Auto Man

**Freq Offset**  
0.00000000 Hz

**Signal Track**  
On Off

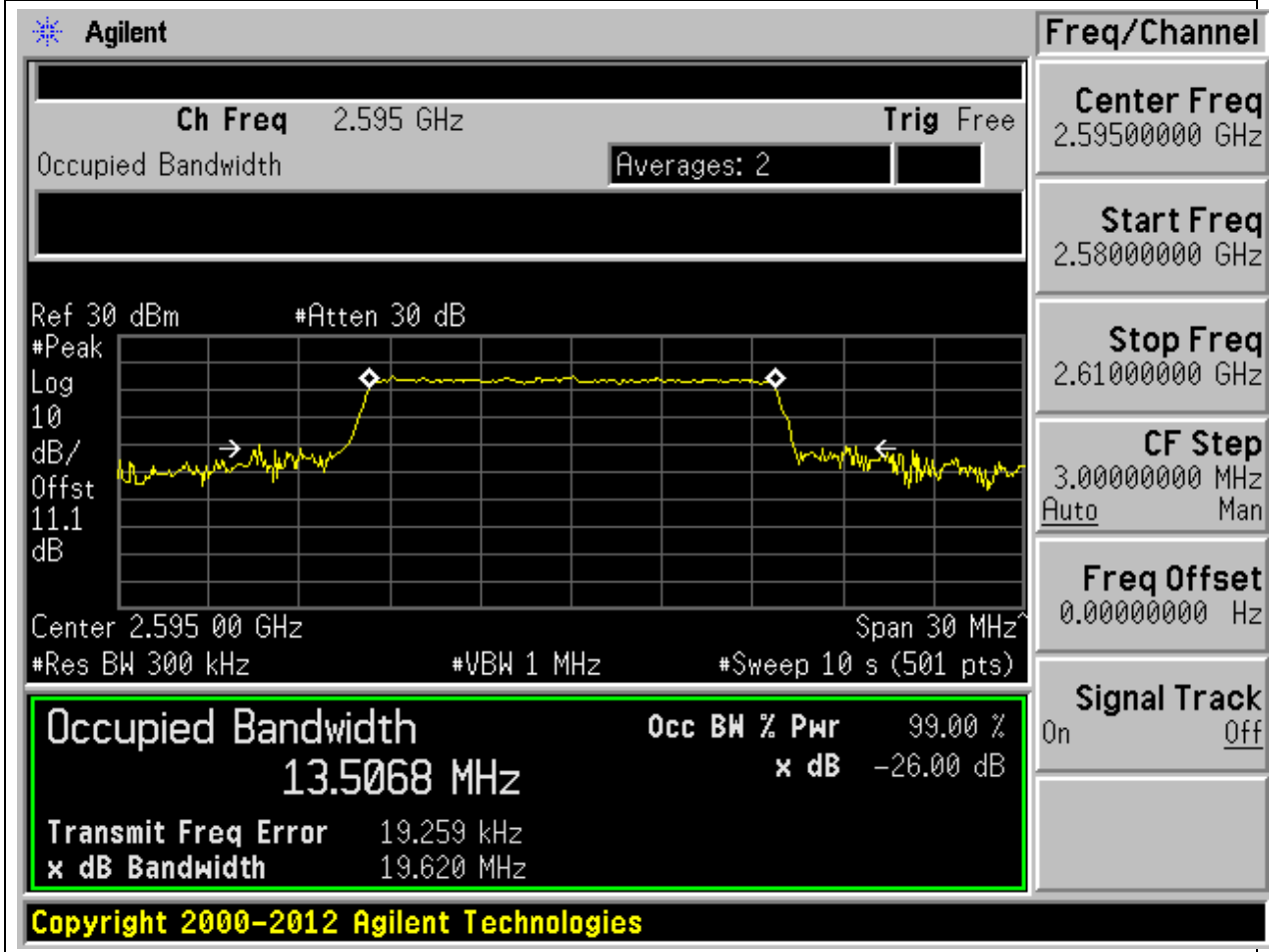
**12.15. LTE Occupied Bandwidth(NTNV)(Subtest:15, Channel:38000, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)**

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	13.43	15.02	15	Pass



**12.16. 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	19.62	15	Pass



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

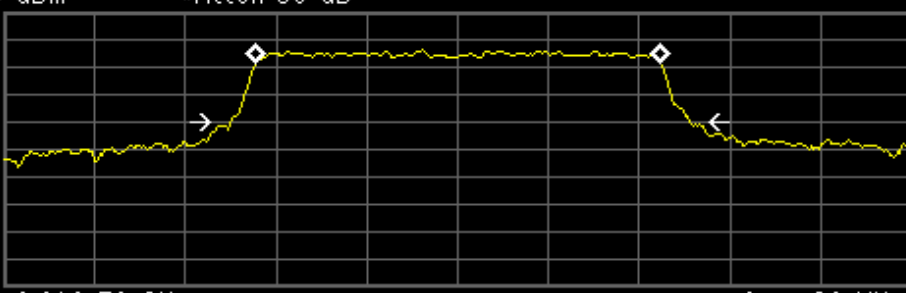
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2612.5	99	26	0.3	Peak	13.43	15	15	Pass

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 (501 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 %

13.4297 MHz

x dB -26.00 dB

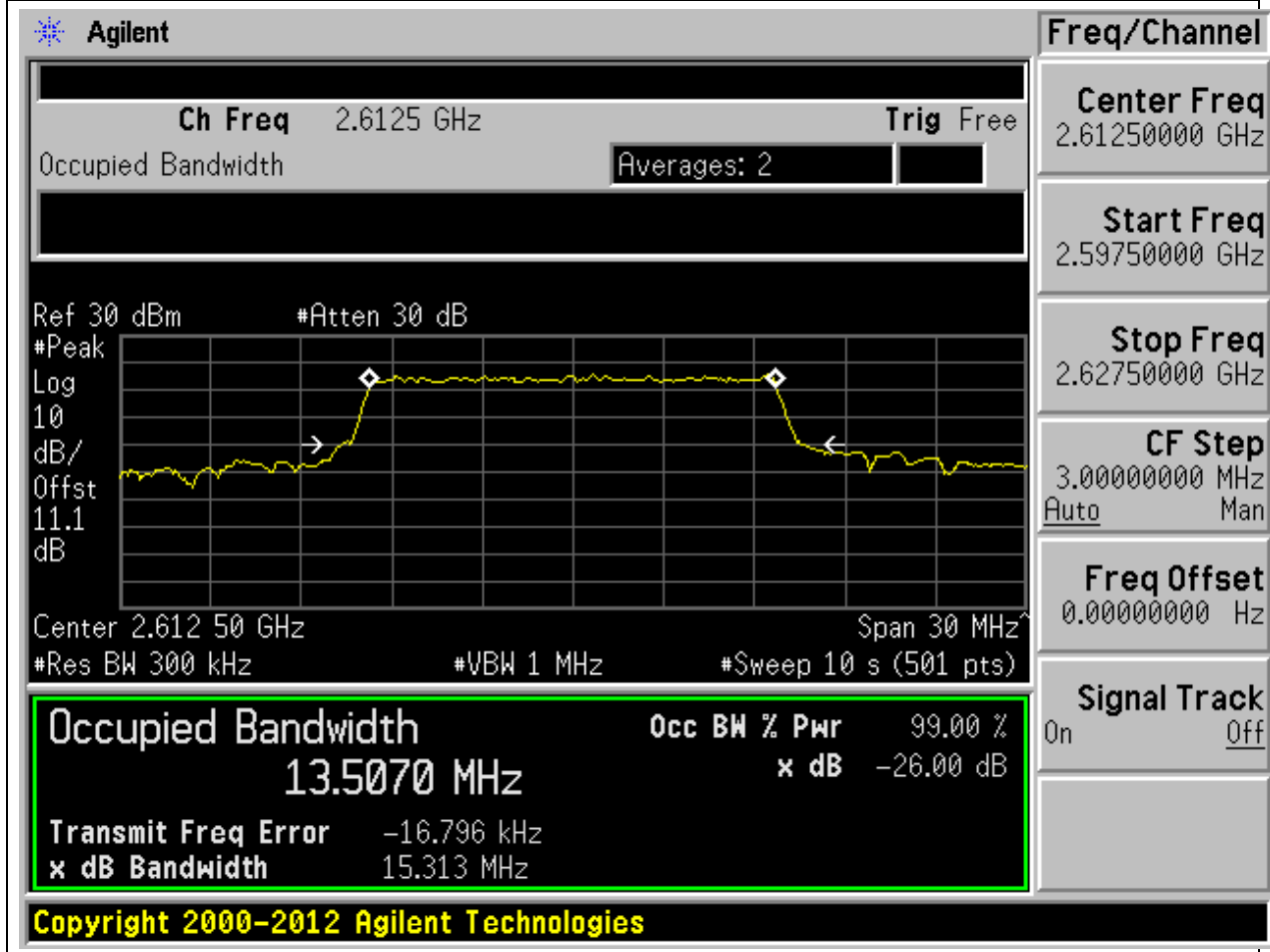
Transmit Freq Error 3.255 kHz

x dB Bandwidth 15.001 MHz

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

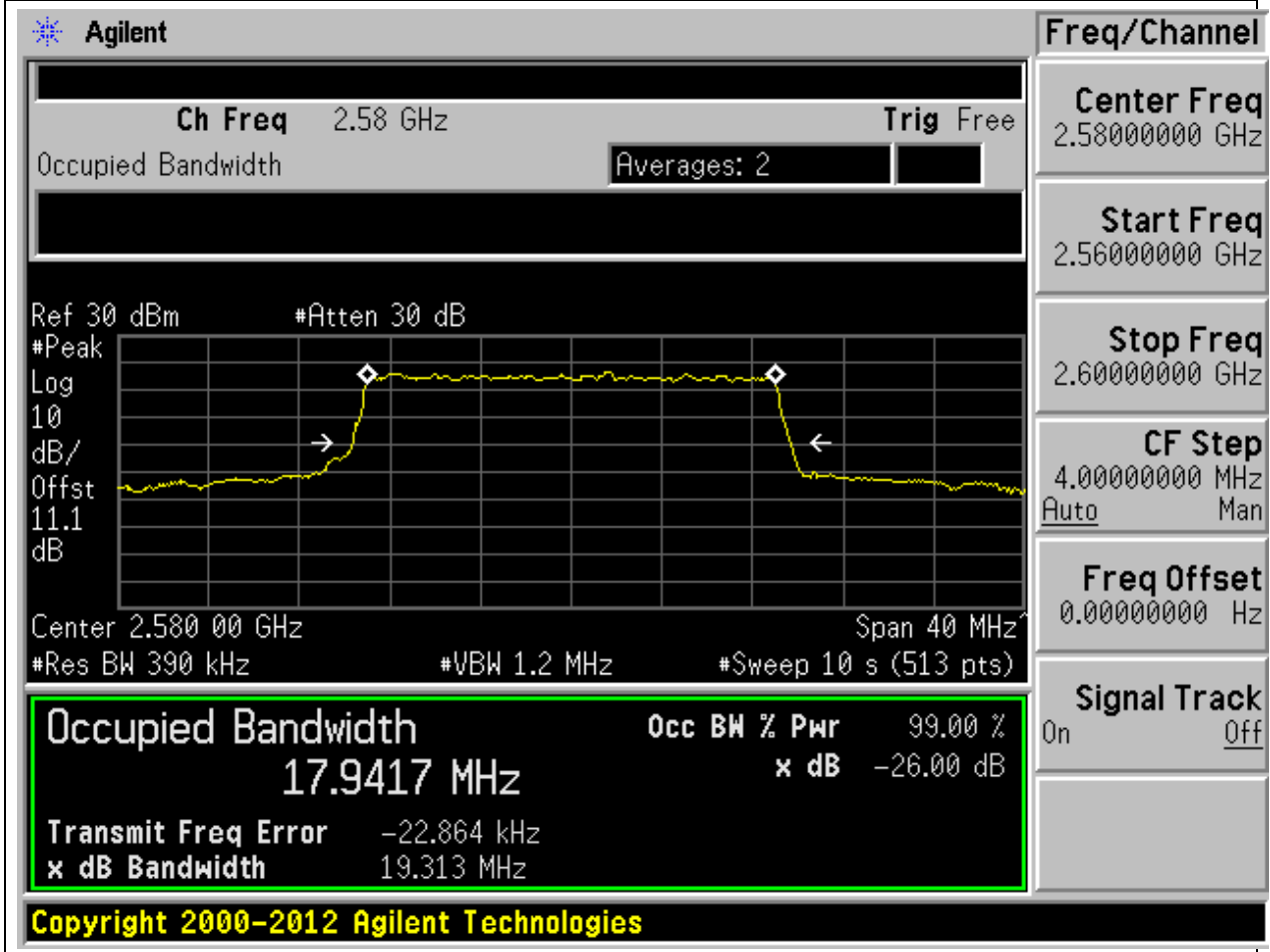
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2612.5	99	26	0.3	Peak	13.51	15.31	15	Pass





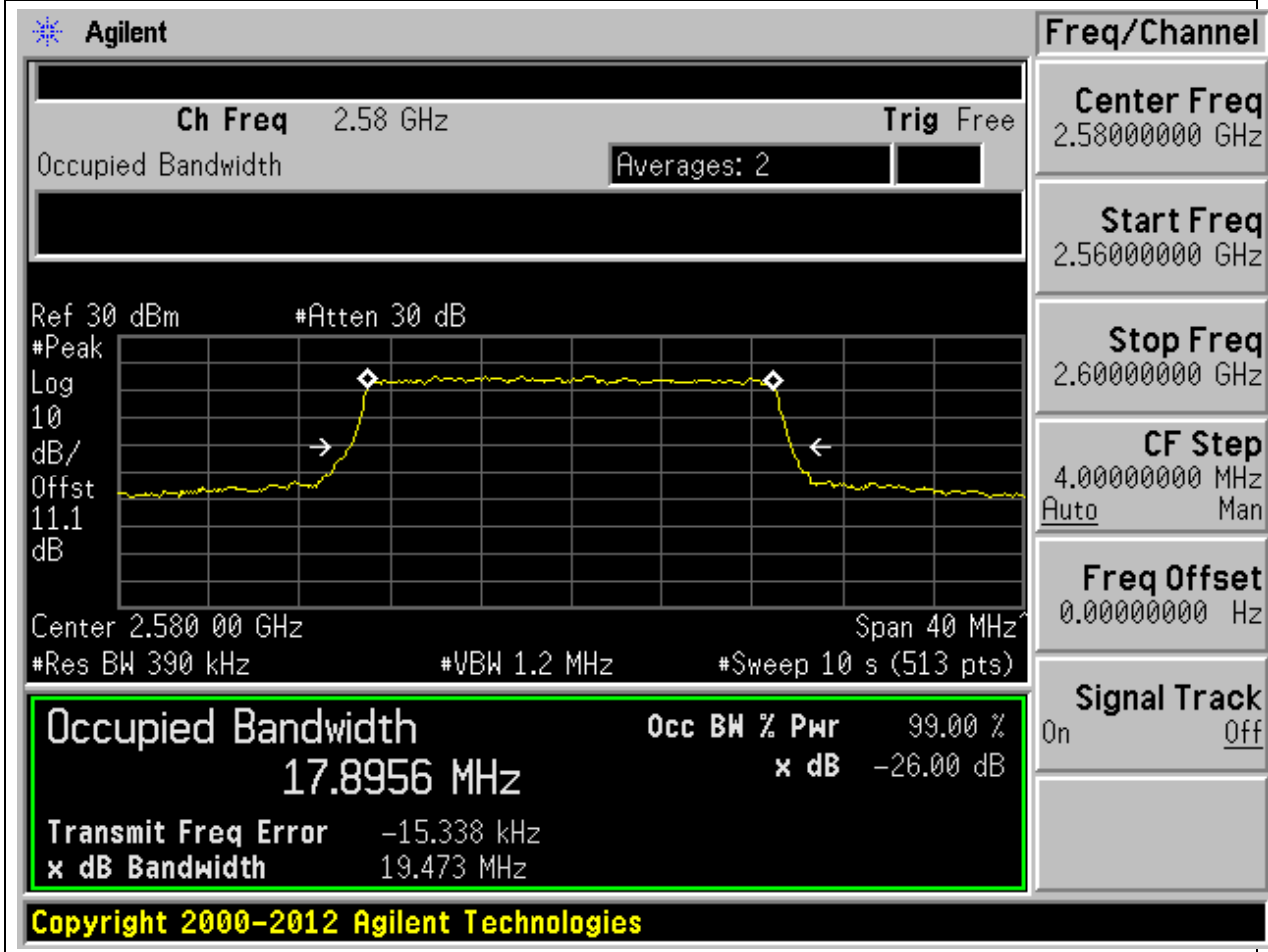
**12.19. LTE Occupied Bandwidth(NTNV)(Subtest:19, Channel:37850, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)**

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	17.94	19.31	20	Pass



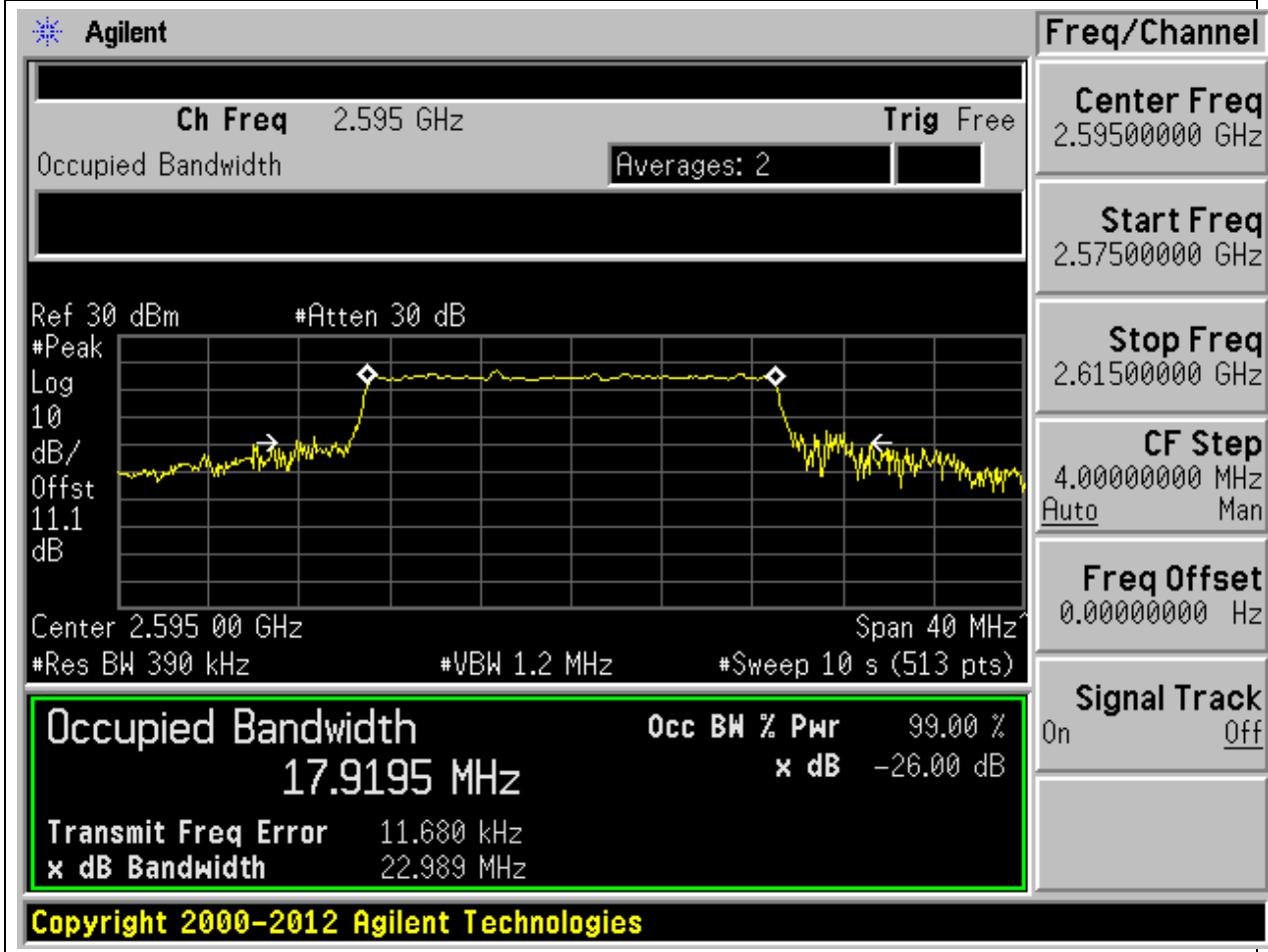
**12.20. LTE Occupied Bandwidth(NTNV)(Subtest:20, Channel:37850, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2580	99	26	0.39	Peak	17.9	19.47	20	Pass



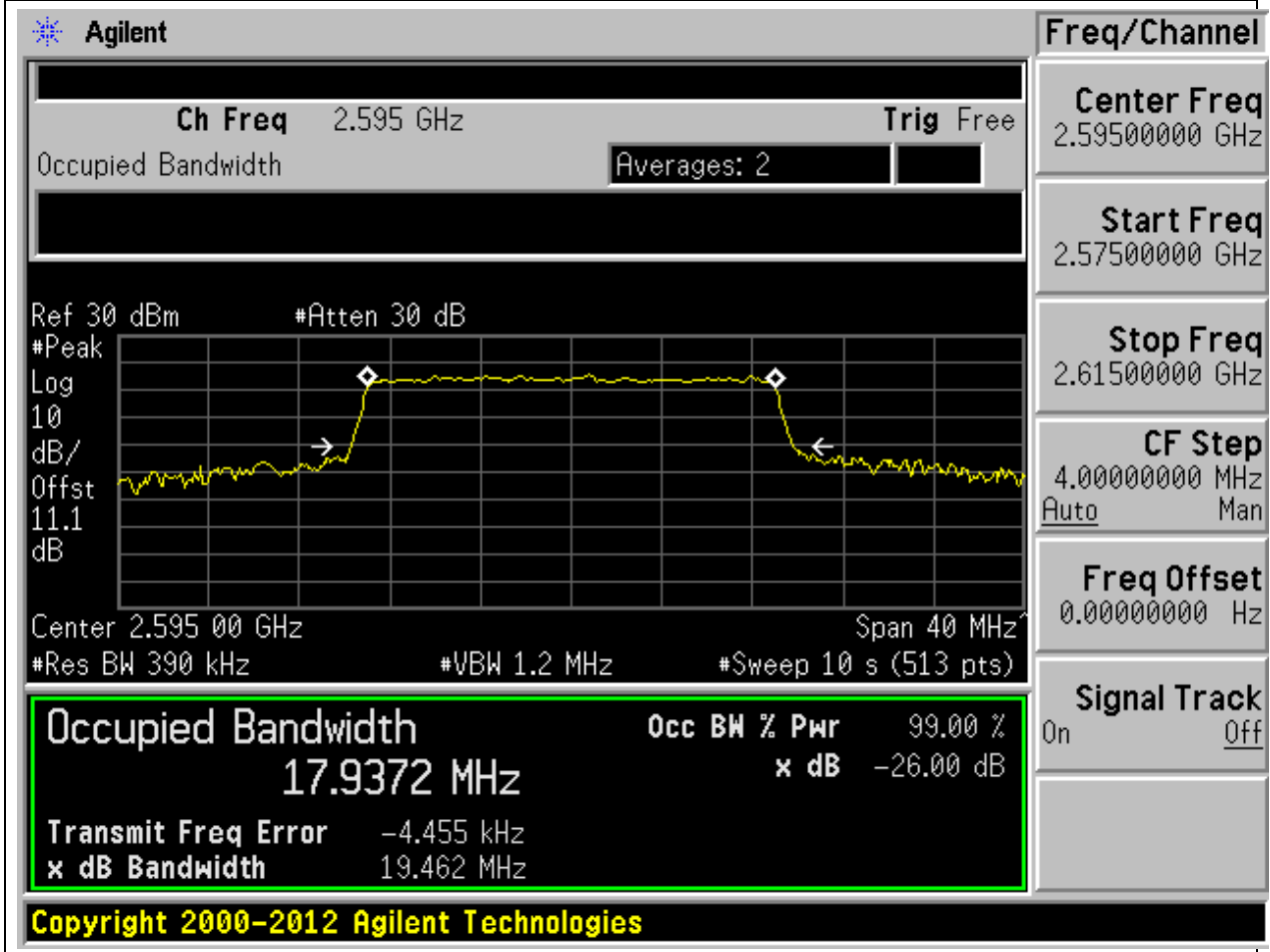
**12.21. LTE Occupied Bandwidth(NTNV)(Subtest:21, Channel:38000, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)**

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	17.92	22.99	20	Pass



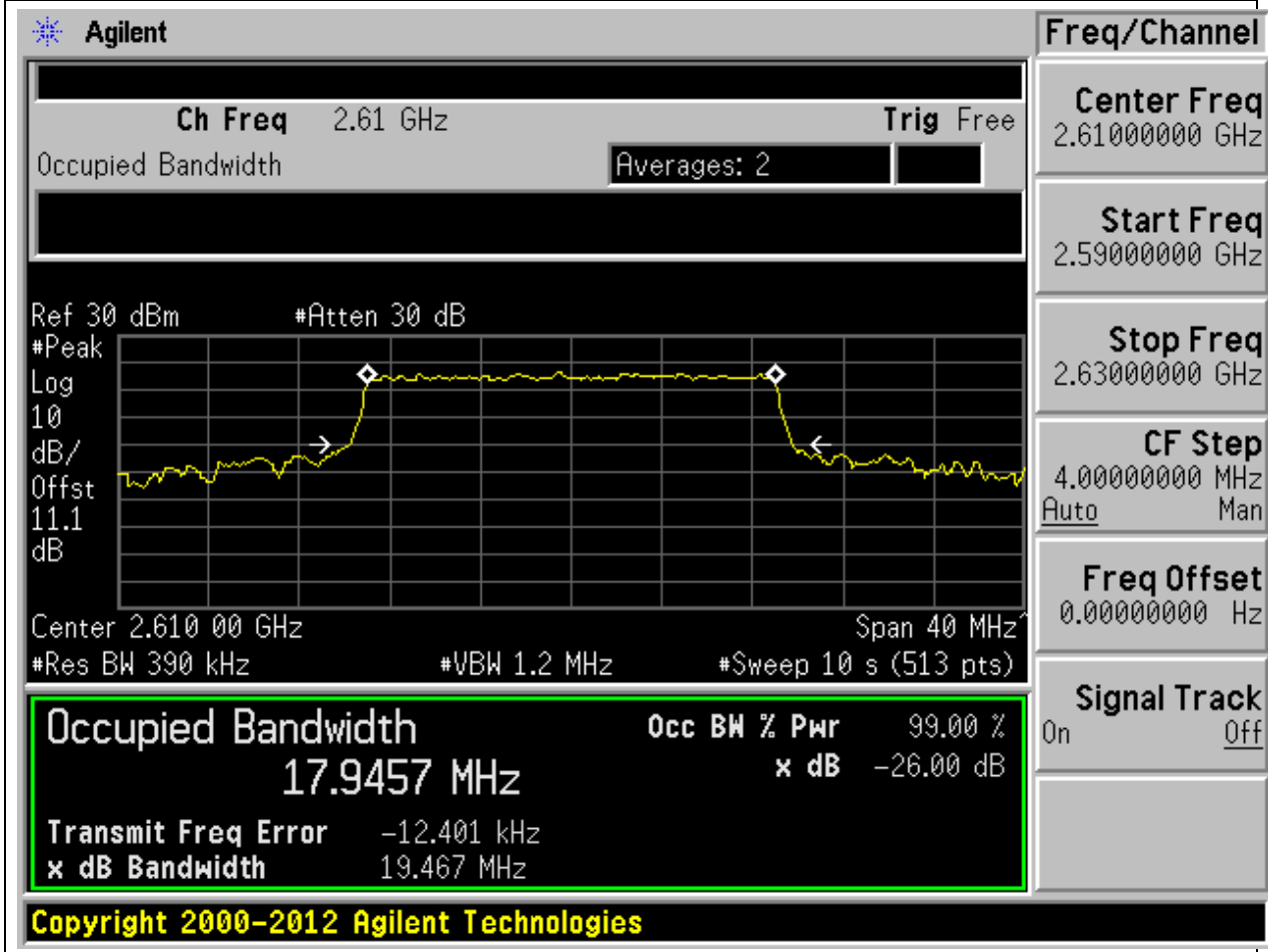
**12.22. LTE Occupied Bandwidth(NTNV)(Subtest:22, Channel:38000, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)**

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	17.94	19.46	20	Pass



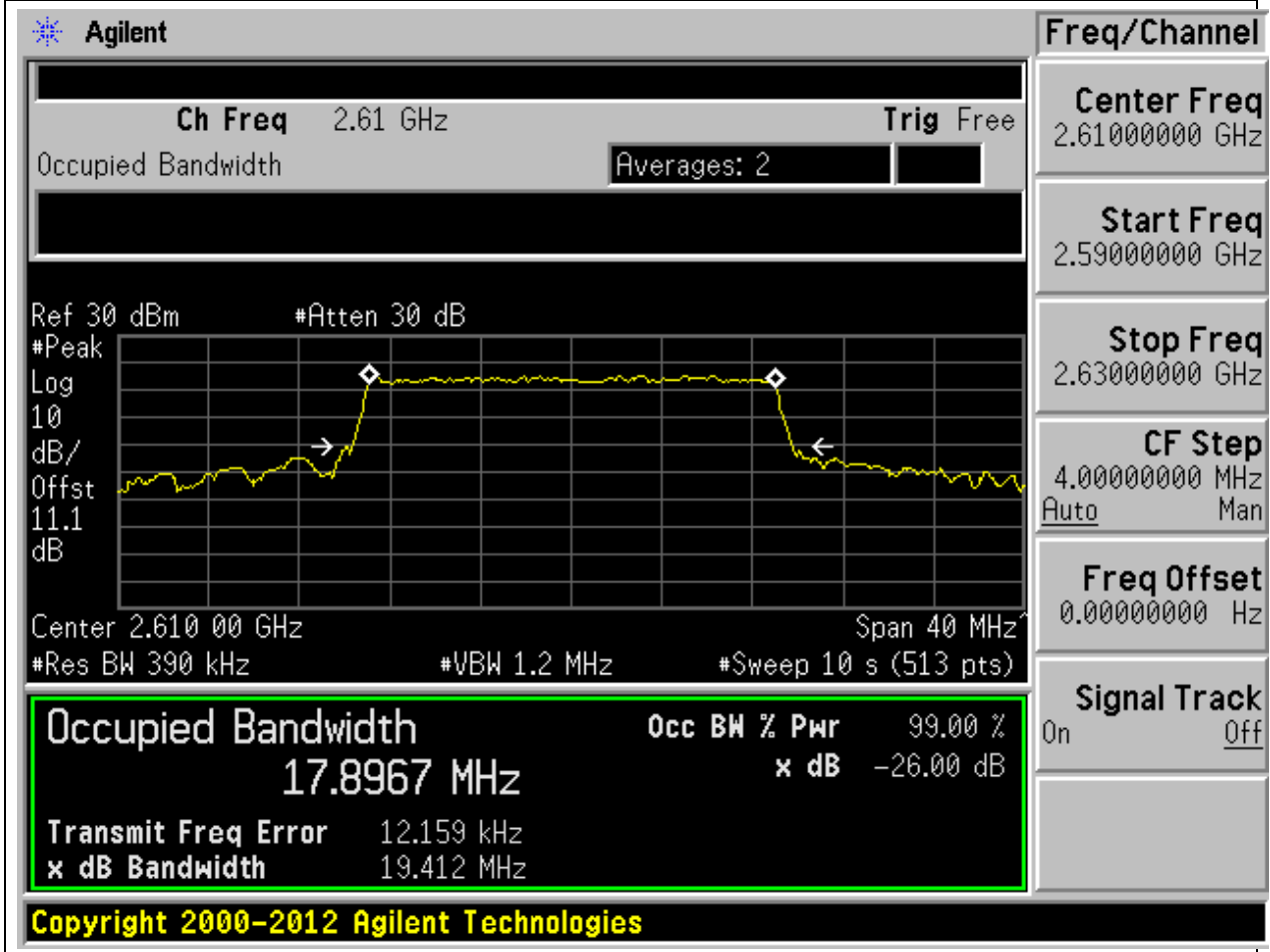
**12.23. LTE Occupied Bandwidth(NTNV)(Subtest:23, Channel:38150, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)**

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	17.95	19.47	20	Pass



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

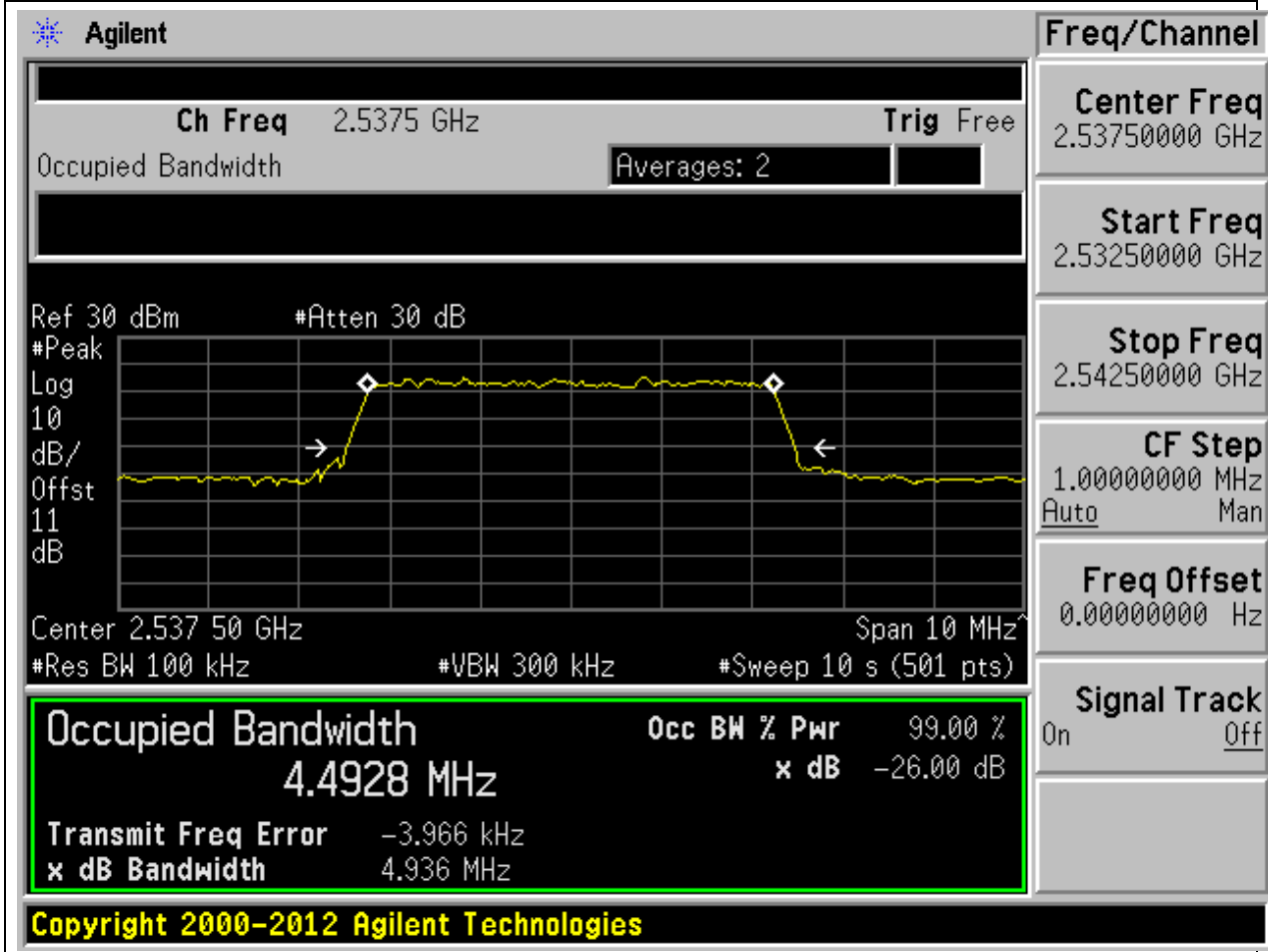
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2610	99	26	0.39	Peak	17.9	19.41	20	Pass



### 13. LTE\_Band41 120M OPPO

13.1. LTE Occupied Bandwidth(NTNV)(Subtest:1, Channel:40065, 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
2537.5	99	26	0.1	Peak	4.49	4.94	5	Pass



**13.2. LTE Occupied Bandwidth(NTNV)(Subtest:2, Channel:40065, 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
2537.5	99	26	0.1	Peak	4.5	5	5	Pass

**Agilent** Freq/Channel

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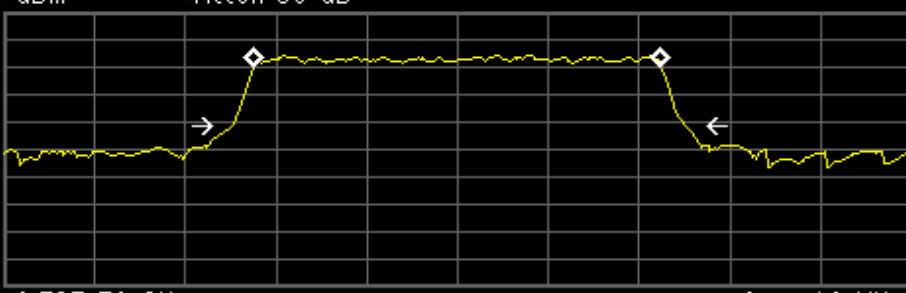
**Ch Freq** 2.5375 GHz **Trig** Free

Occupied Bandwidth Averages: 2

---

Ref 30 dBm #Atten 30 dB

#Peak  
Log  
10  
dB/  
Offst  
11  
dB



Center 2.537 50 GHz Span 10 MHz

#Res BW 100 kHz #VBW 300 kHz #Sweep 10 s (501 pts)

---

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
4.5038 MHz	x dB	-26.00 dB
<b>Transmit Freq Error</b>	-3.755 kHz	
<b>x dB Bandwidth</b>	5.004 MHz	

---

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**Center Freq**  
2.53750000 GHz

**Start Freq**  
2.53250000 GHz

**Stop Freq**  
2.54250000 GHz

**CF Step**  
1.00000000 MHz  
Auto Man

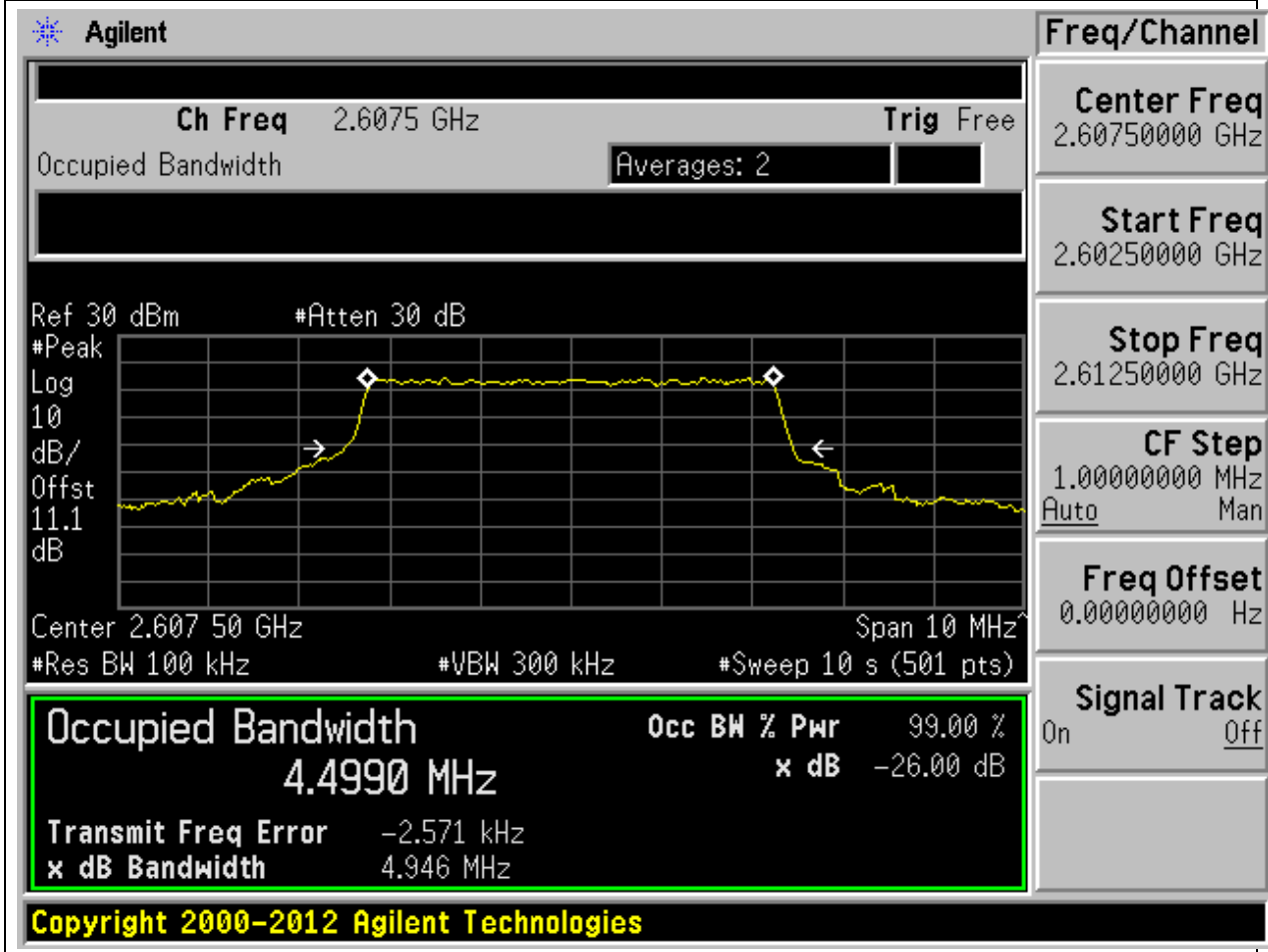
**Freq Offset**  
0.00000000 Hz

**Signal Track**  
On Off



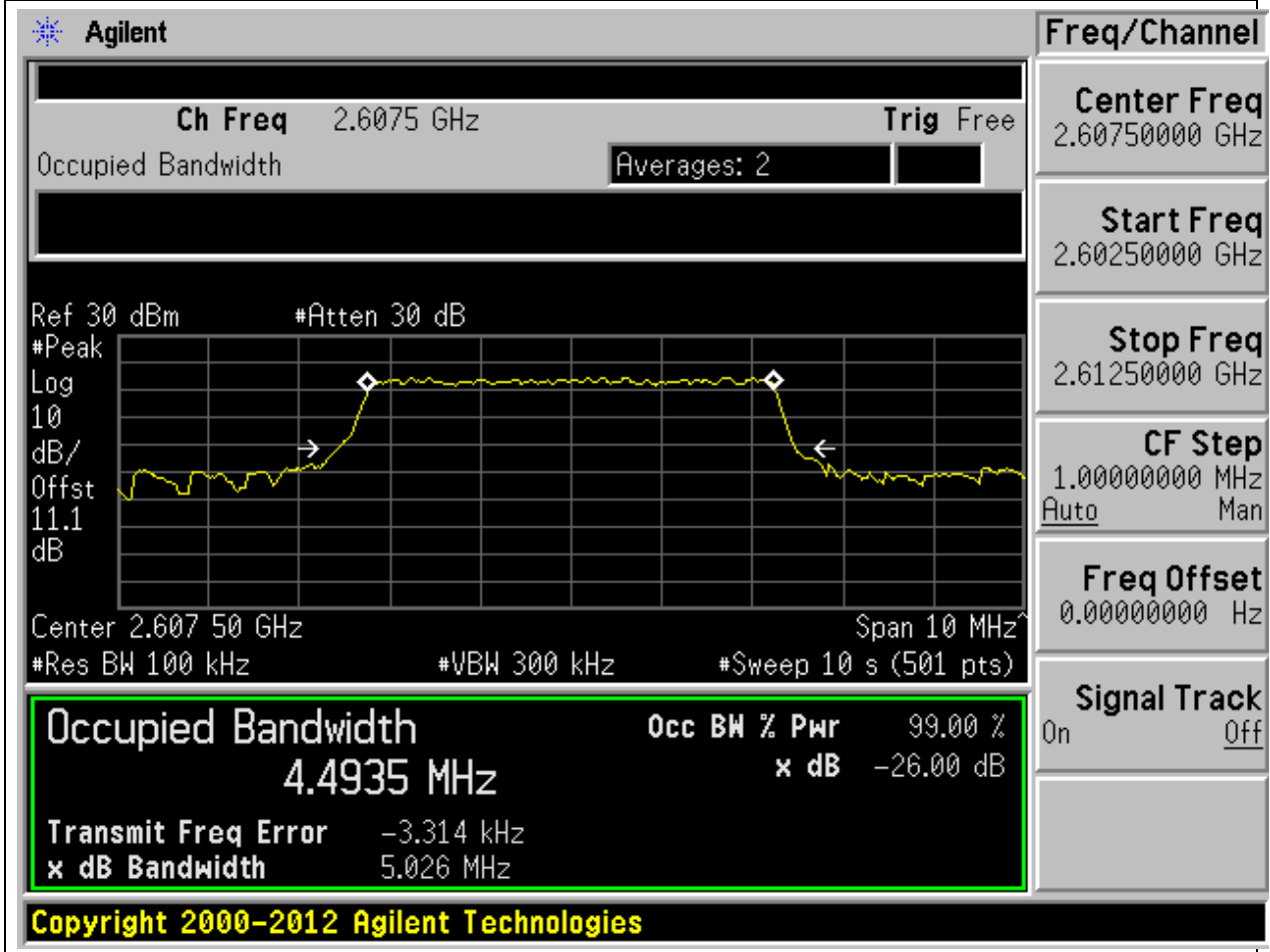
**13.3. LTE Occupied Bandwidth(NTNV)(Subtest:3, Channel:40765, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2607.5	99	26	0.1	Peak	4.5	4.95	5	Pass



**13.4. LTE Occupied Bandwidth(NTNV)(Subtest:4, Channel:40765, 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
2607.5	99	26	0.1	Peak	4.49	5.03	5	Pass



**13.5. LTE Occupied Bandwidth(NTNV)(Subtest:5, Channel:41215, 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
2652.5	99	26	0.1	Peak	4.49	5.03	5	Pass

**Agilent** Freq/Channel

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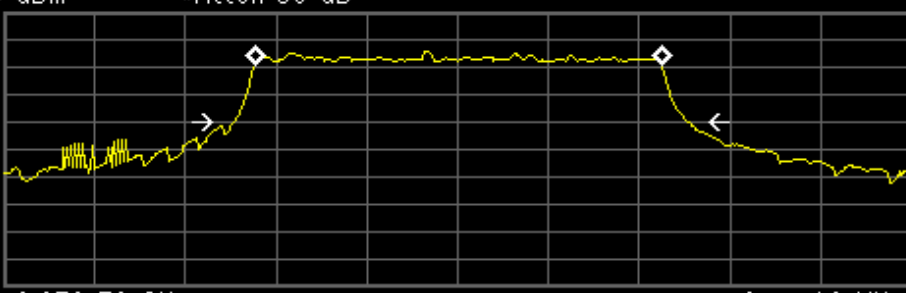
**Ch Freq** 2.6525 GHz **Trig** Free

Occupied Bandwidth Averages: 2

---

Ref 30 dBm #Atten 30 dB

#Peak  
Log  
10  
dB/  
Offst  
10.9  
dB



Center 2.652 50 GHz Span 10 MHz

#Res BW 100 kHz #VBW 300 kHz #Sweep 10 s (501 pts)

---

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
4.4932 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	2.554 kHz	
<b>x dB Bandwidth</b>	5.034 MHz	

---

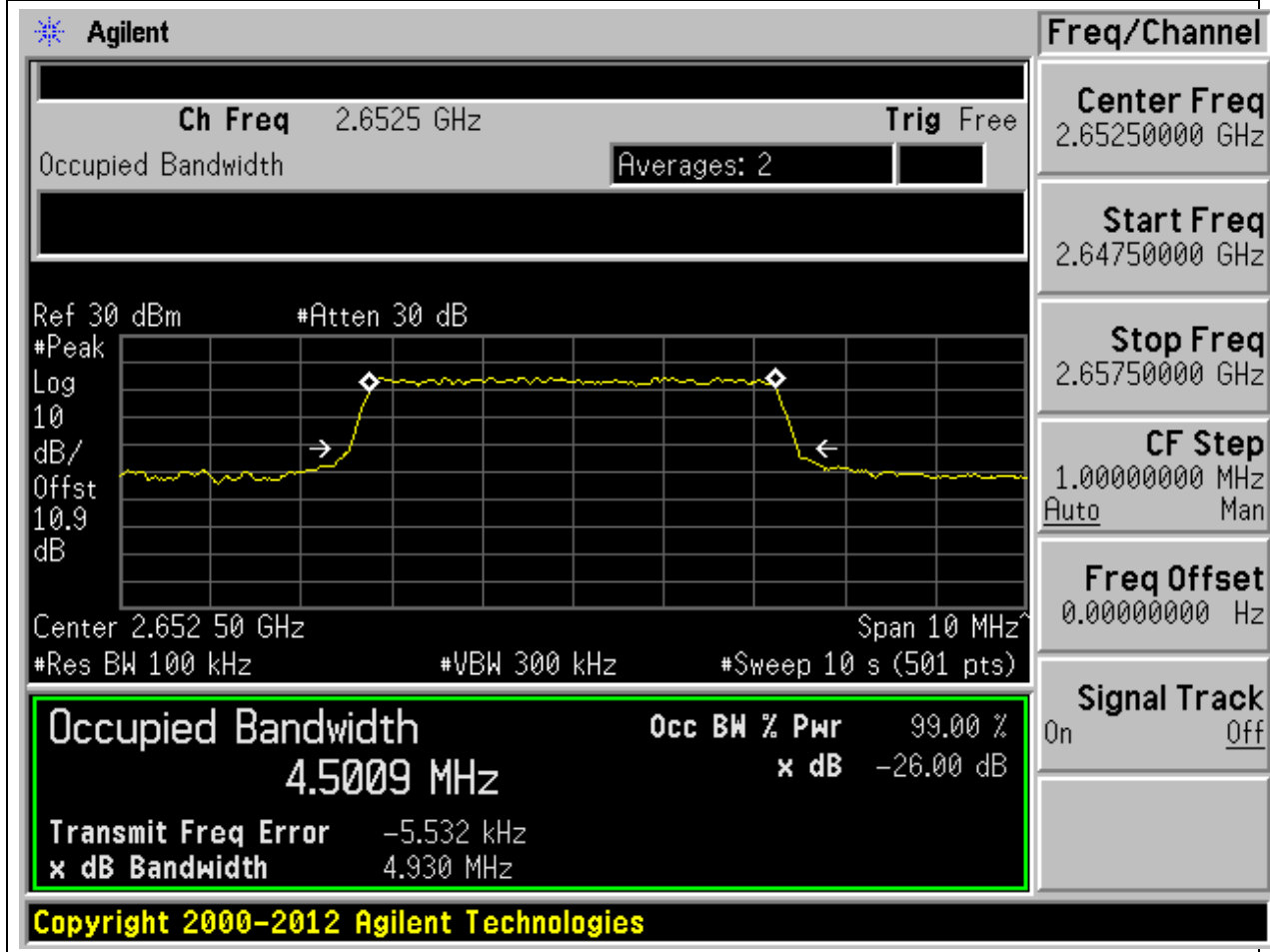
**Signal Track**  
On Off

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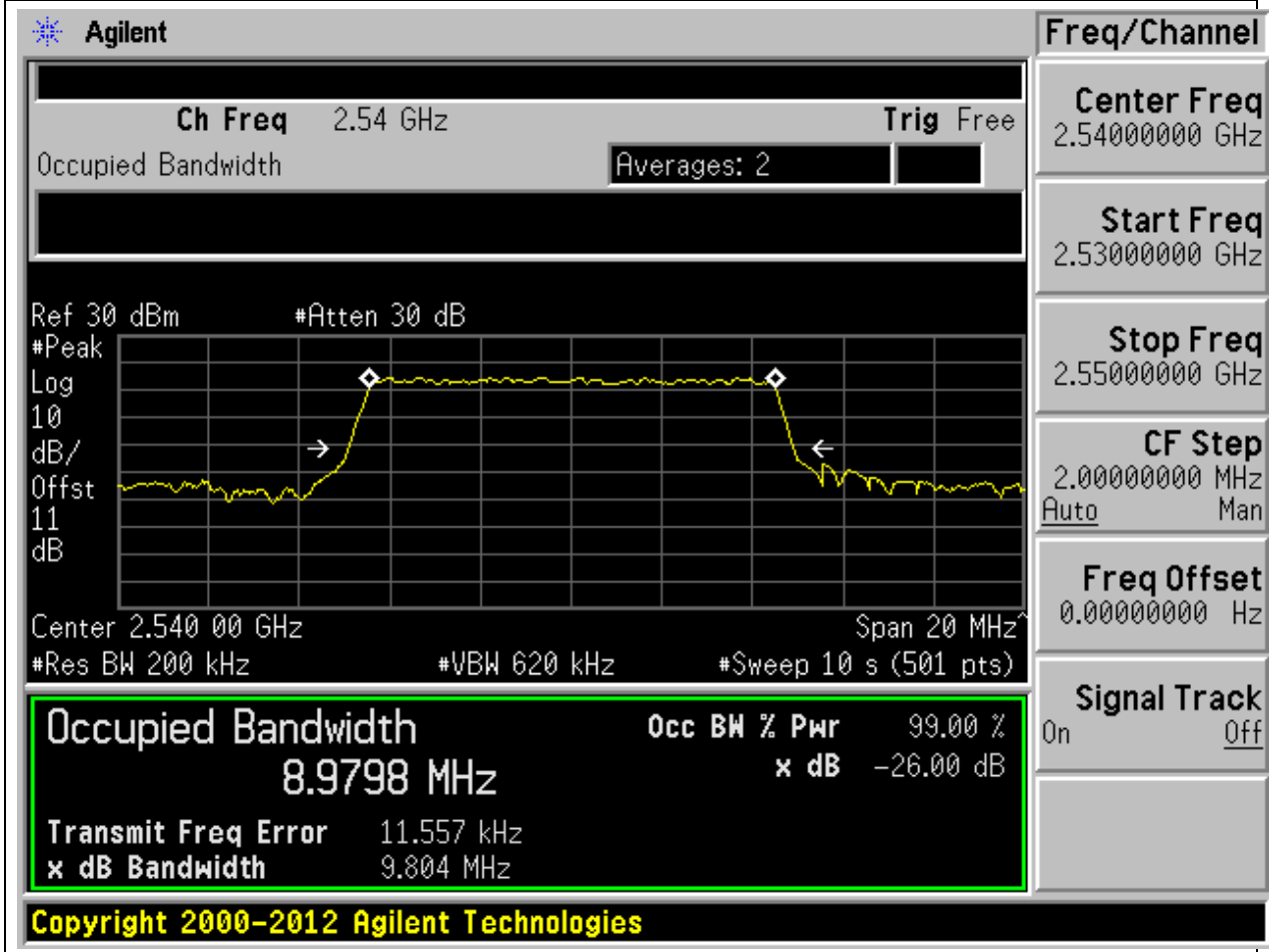
**13.6. LTE Occupied Bandwidth(NTNV)(Subtest:6, Channel:41215, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2652.5	99	26	0.1	Peak	4.5	4.93	5	Pass



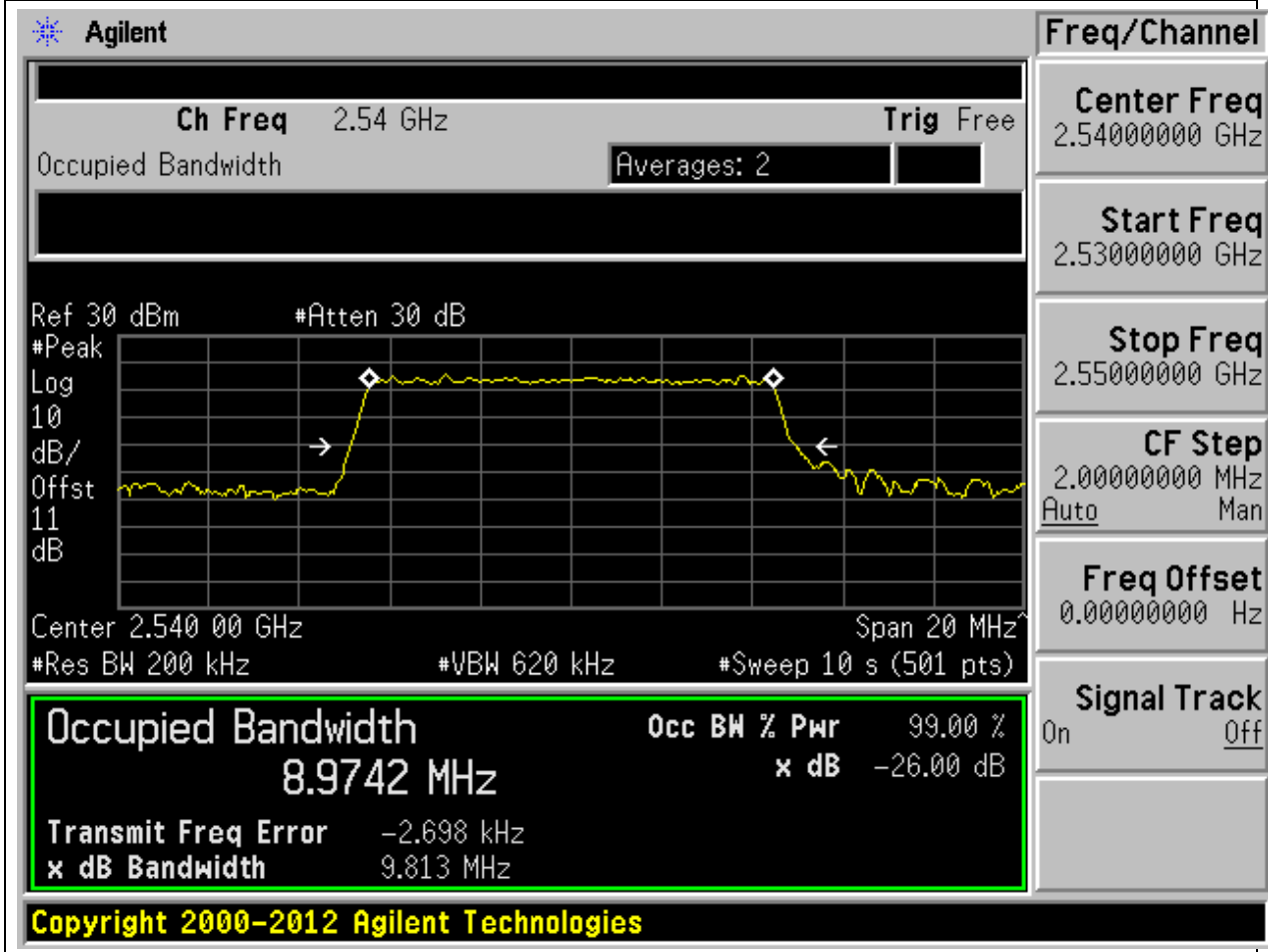
**13.7. LTE Occupied Bandwidth(NTNV)(Subtest:7, Channel:40090, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2540	99	26	0.2	Peak	8.98	9.8	10	Pass



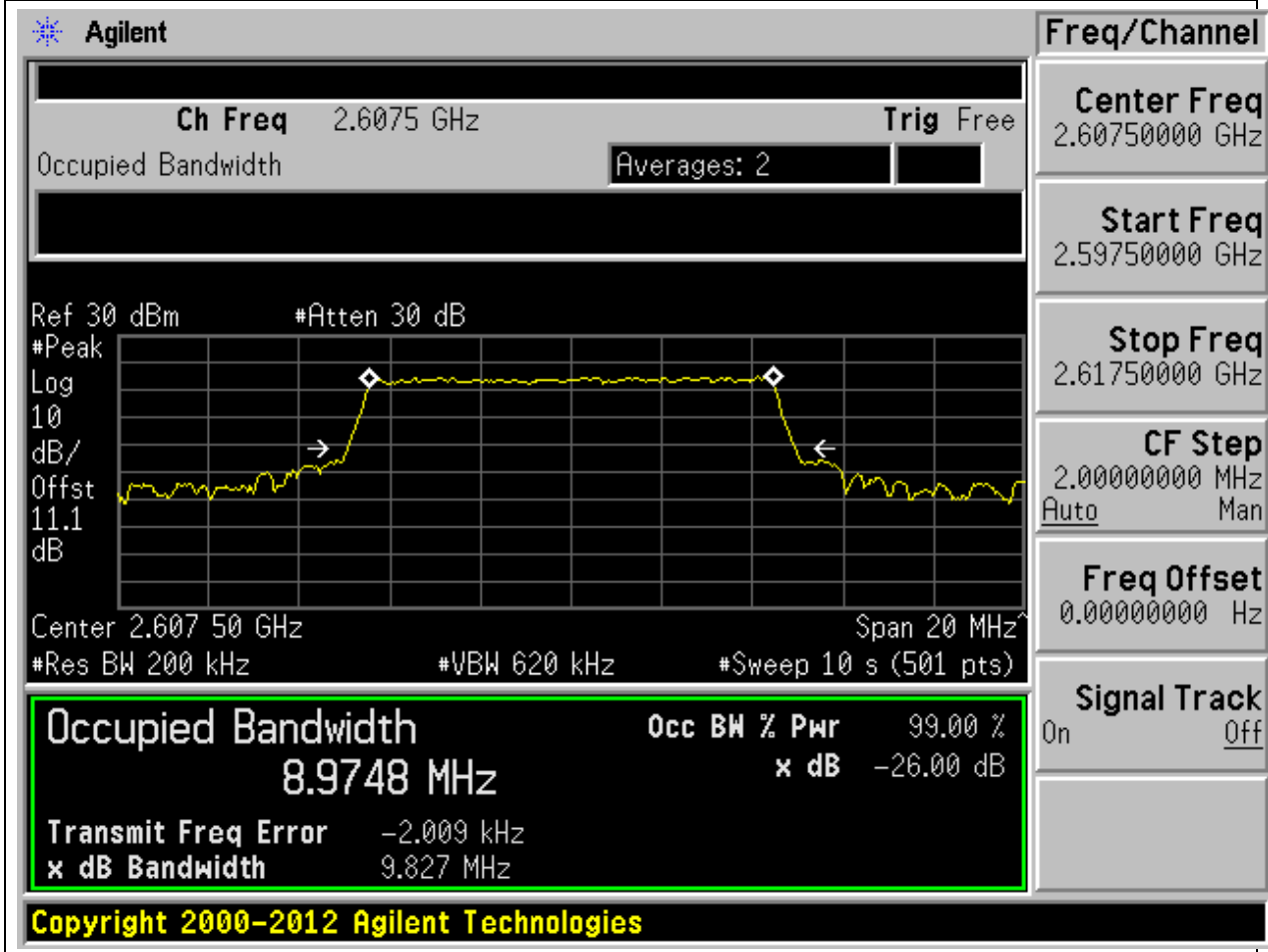
**13.8. LTE Occupied Bandwidth(NTNV)(Subtest:8, Channel:40090, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2540	99	26	0.2	Peak	8.97	9.81	10	Pass



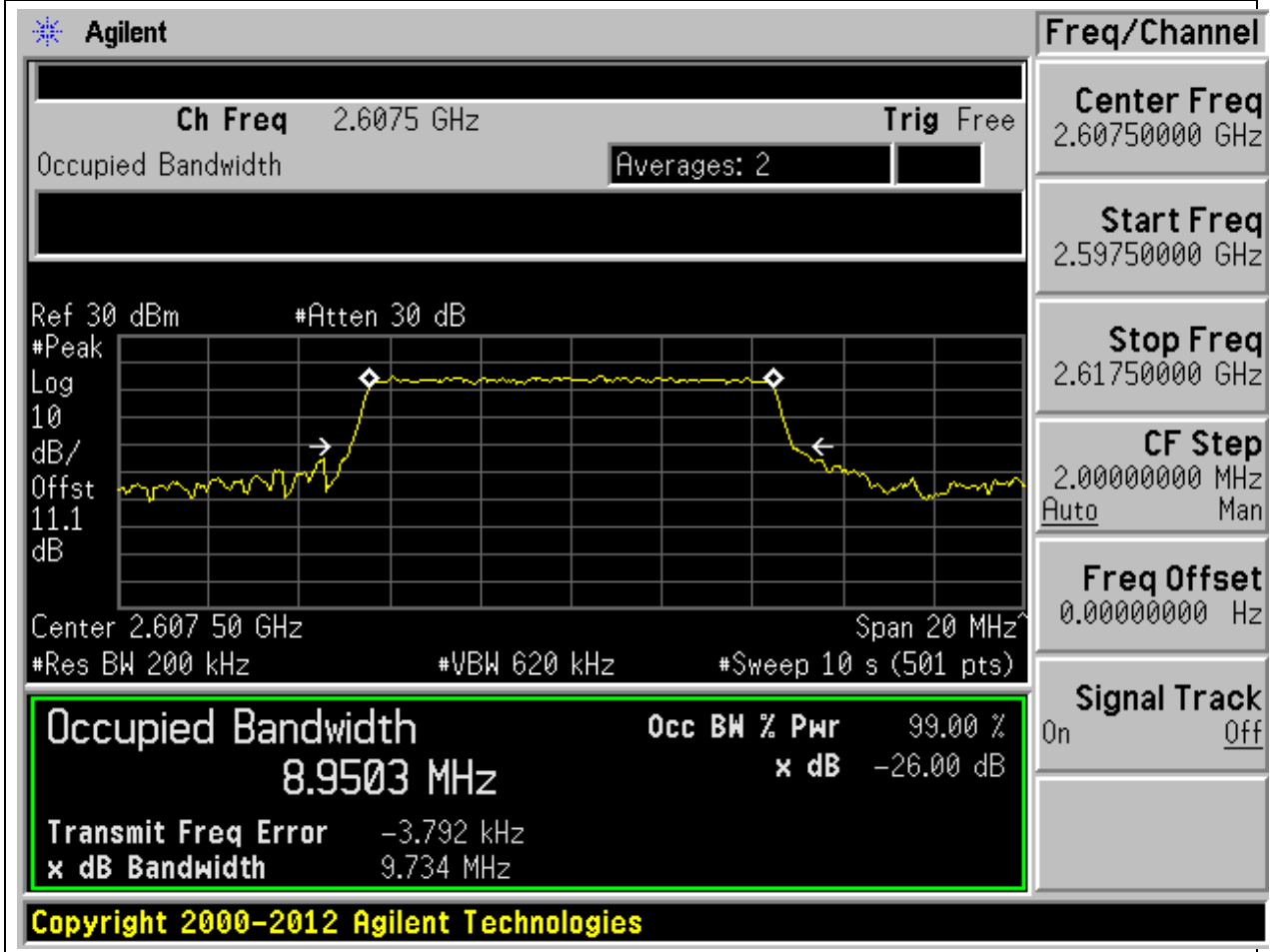
**13.9. LTE Occupied Bandwidth(NTNV)(Subtest:9, Channel:40765, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2607.5	99	26	0.2	Peak	8.97	9.83	10	Pass



**13.10. LTE Occupied Bandwidth(NTNV)(Subtest:10, Channel:40765, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)**

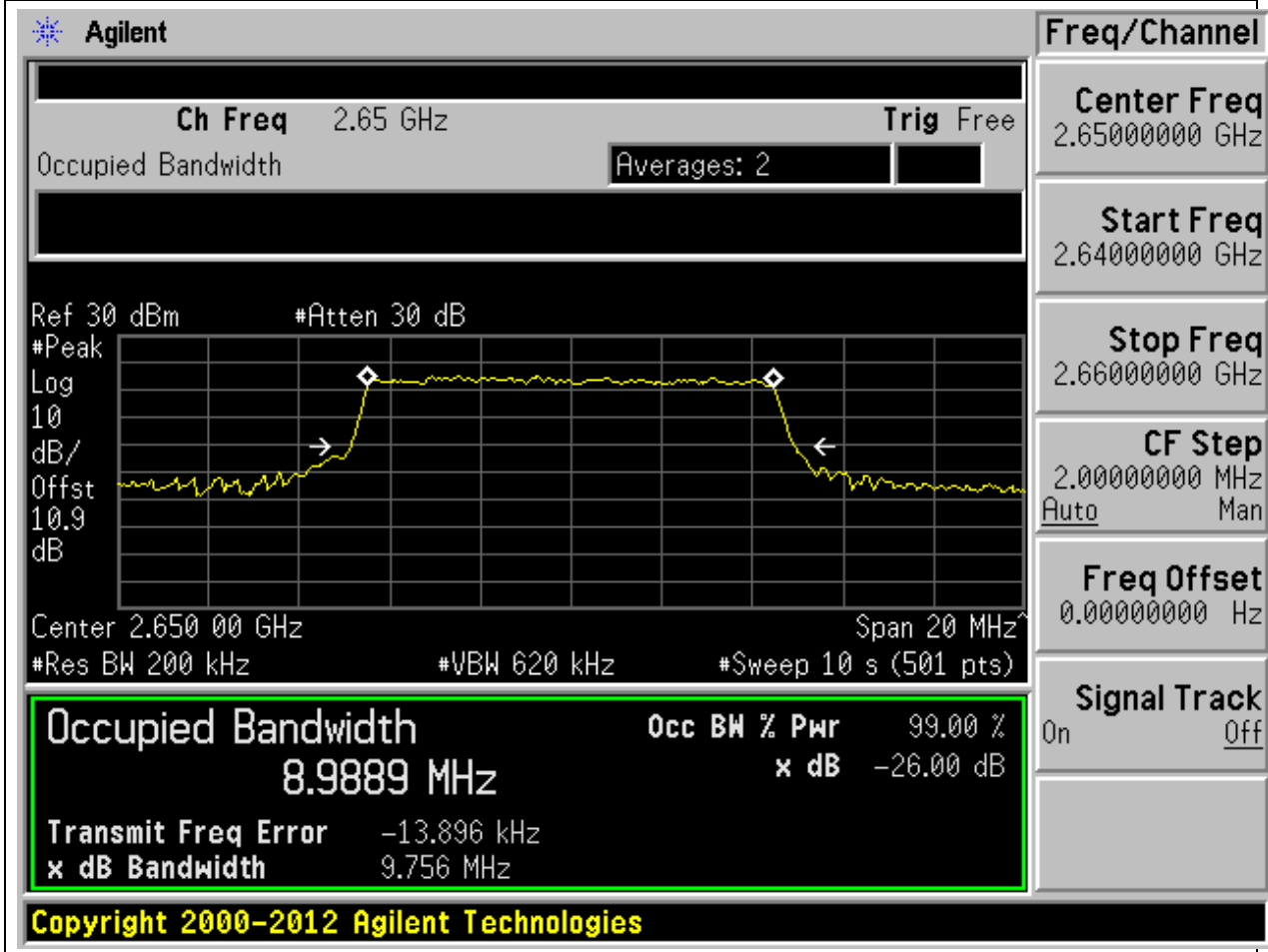
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2607.5	99	26	0.2	Peak	8.95	9.73	10	Pass





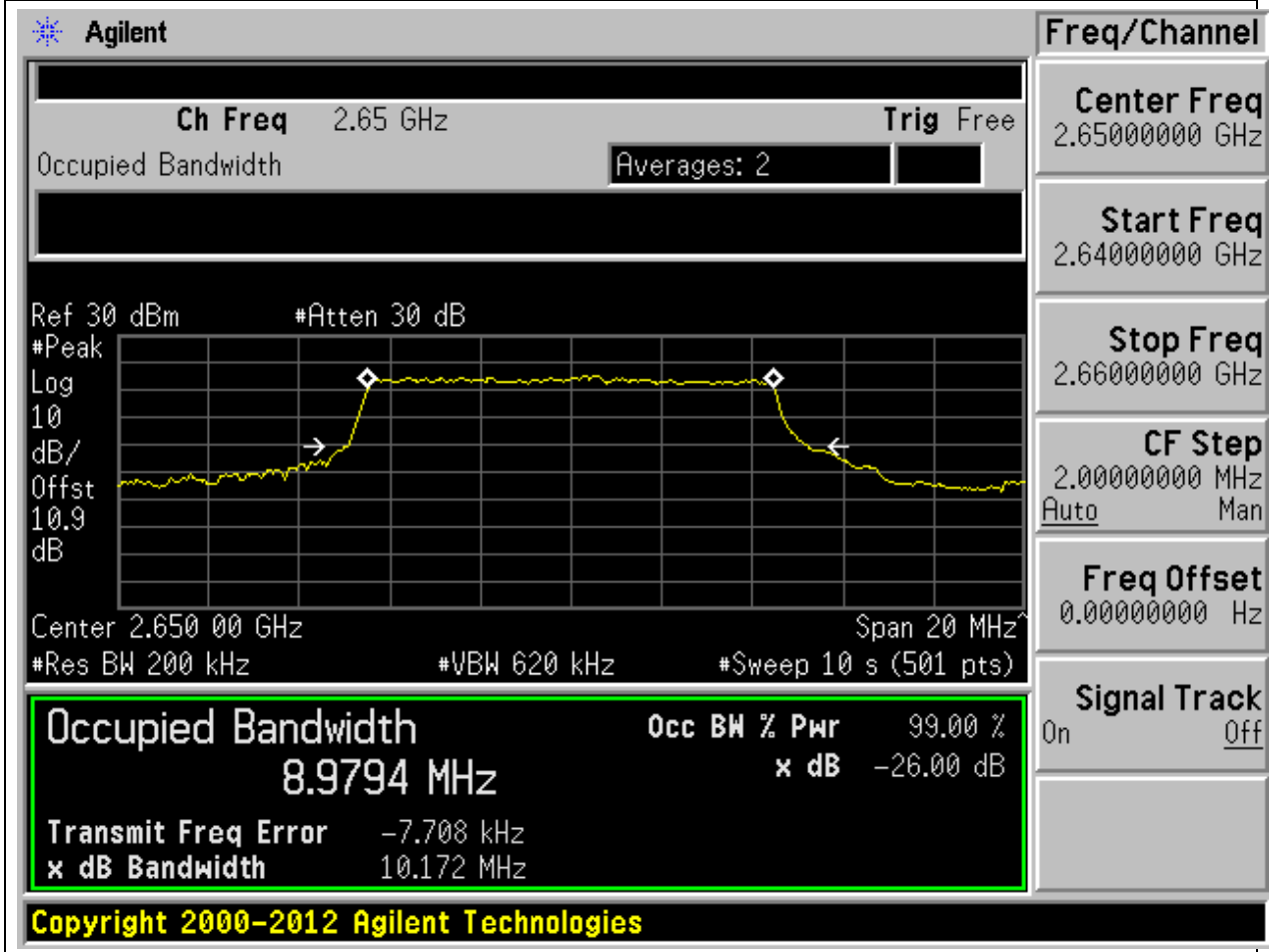
13.11. LTE Occupied Bandwidth(NTNV)(Subtest:11, Channel:41190, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2650	99	26	0.2	Peak	8.99	9.76	10	Pass



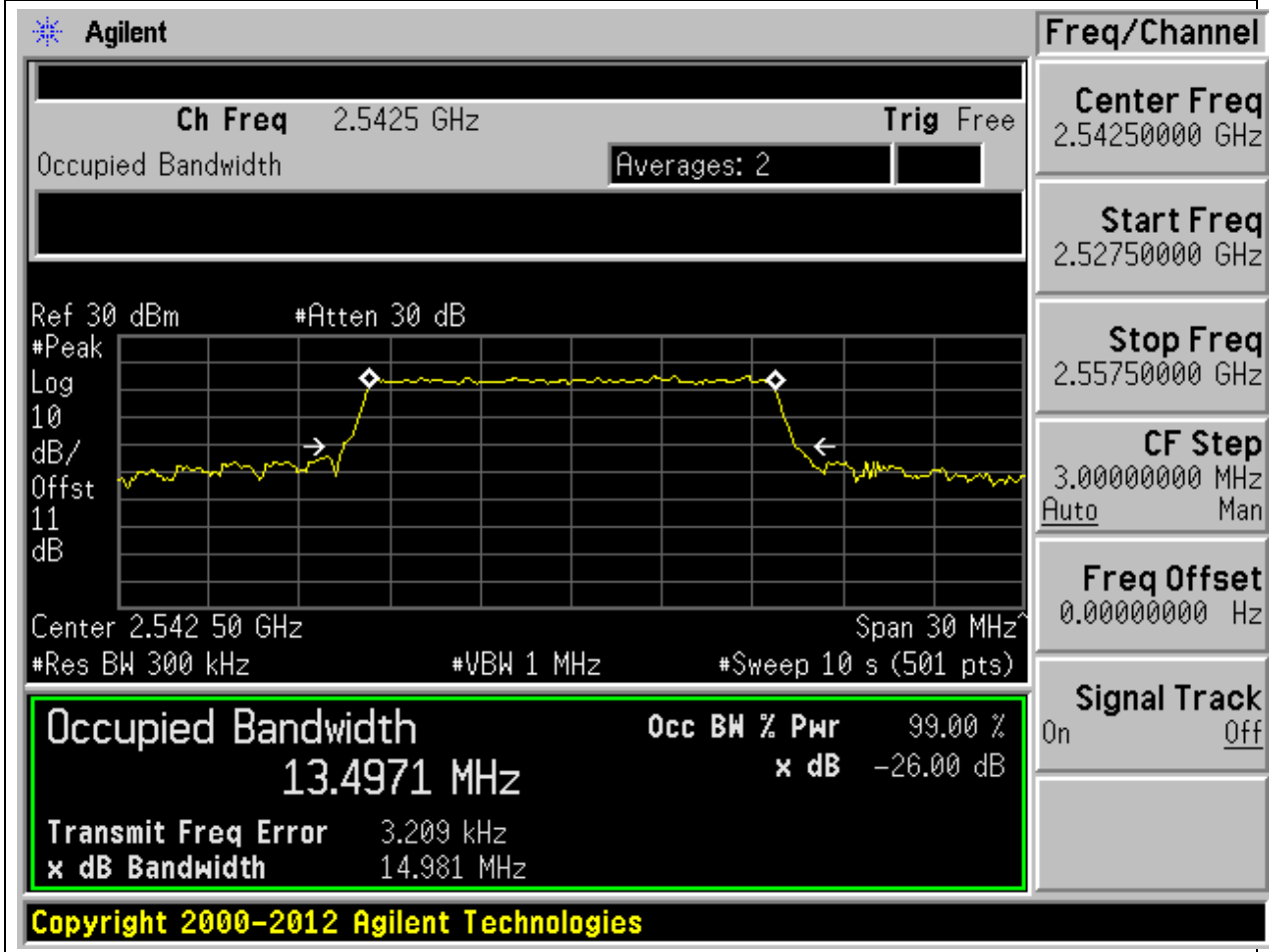
**13.12. LTE Occupied Bandwidth(NTNV)(Subtest:12, Channel:41190, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2650	99	26	0.2	Peak	8.98	10.17	10	Pass



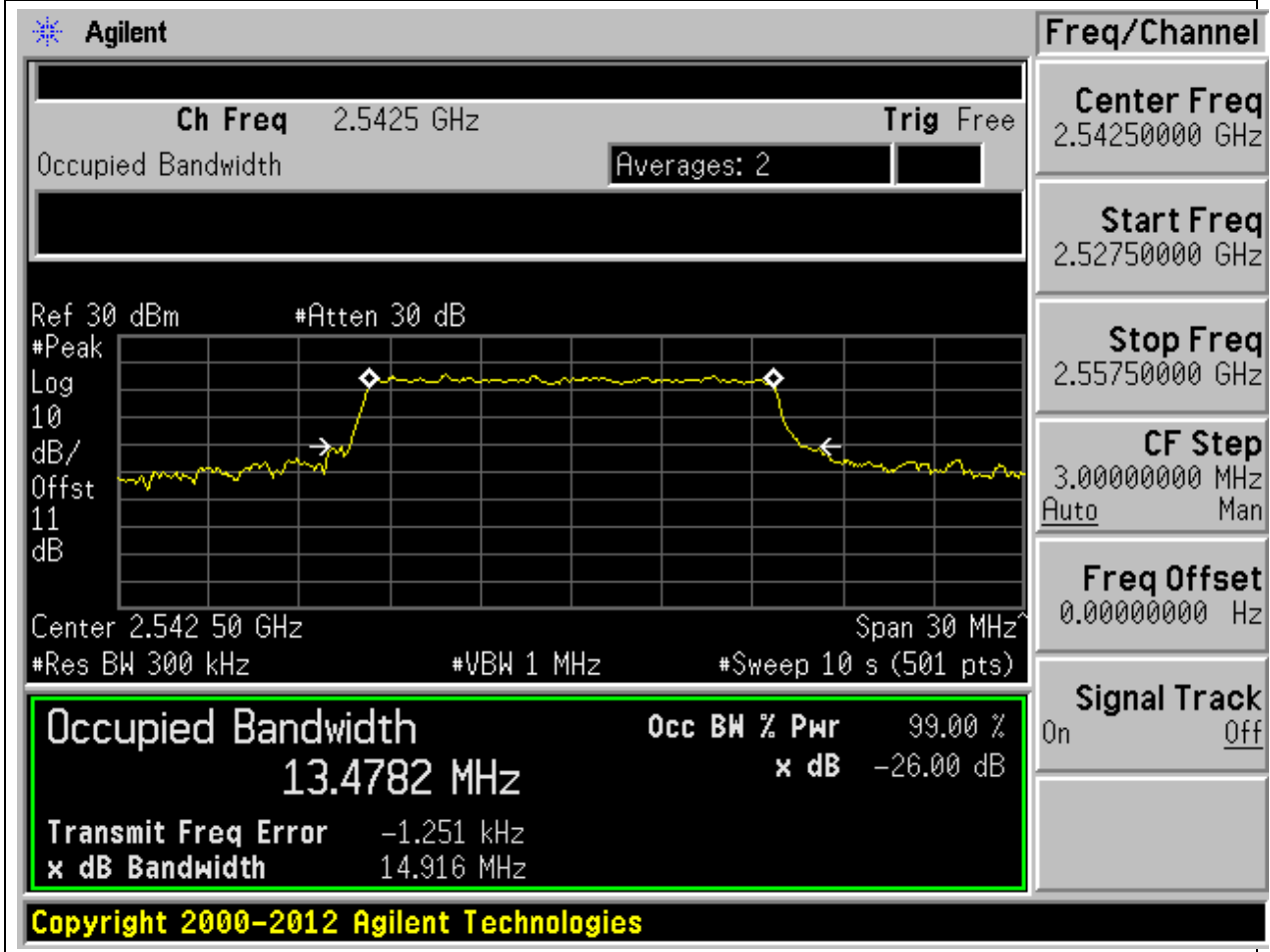
**13.13. LTE Occupied Bandwidth(NTNV)(Subtest:13, Channel:40115, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2542.5	99	26	0.3	Peak	13.5	14.98	15	Pass



**13.14. LTE Occupied Bandwidth(NTNV)(Subtest:14, Channel:40115, 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
2542.5	99	26	0.3	Peak	13.48	14.92	15	Pass



**13.15. LTE Occupied Bandwidth(NTNV)(Subtest:15, Channel:40765, 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
2607.5	99	26	0.3	Peak	13.42	14.73	15	Pass

**Agilent** Freq/Channel

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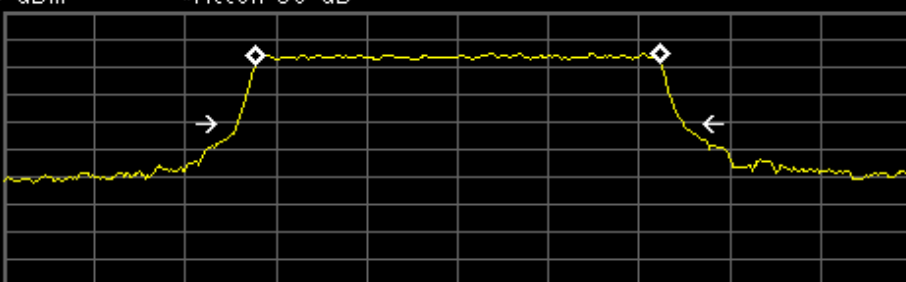
**Ch Freq** 2.6075 GHz **Trig** Free

Occupied Bandwidth Averages: 2

---

Ref 30 dBm #Atten 30 dB

#Peak  
Log  
10  
dB/  
Offst  
11.1  
dB



Center 2.607 50 GHz Span 30 MHz

#Res BW 300 kHz #VBW 1 MHz #Sweep 10 s (501 pts)

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<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
<b>13.4197 MHz</b>	<b>x dB</b> -26.00 dB
<b>Transmit Freq Error</b> 12.603 kHz	
<b>x dB Bandwidth</b> 14.735 MHz	

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**Center Freq**  
2.60750000 GHz

**Start Freq**  
2.59250000 GHz

**Stop Freq**  
2.62250000 GHz

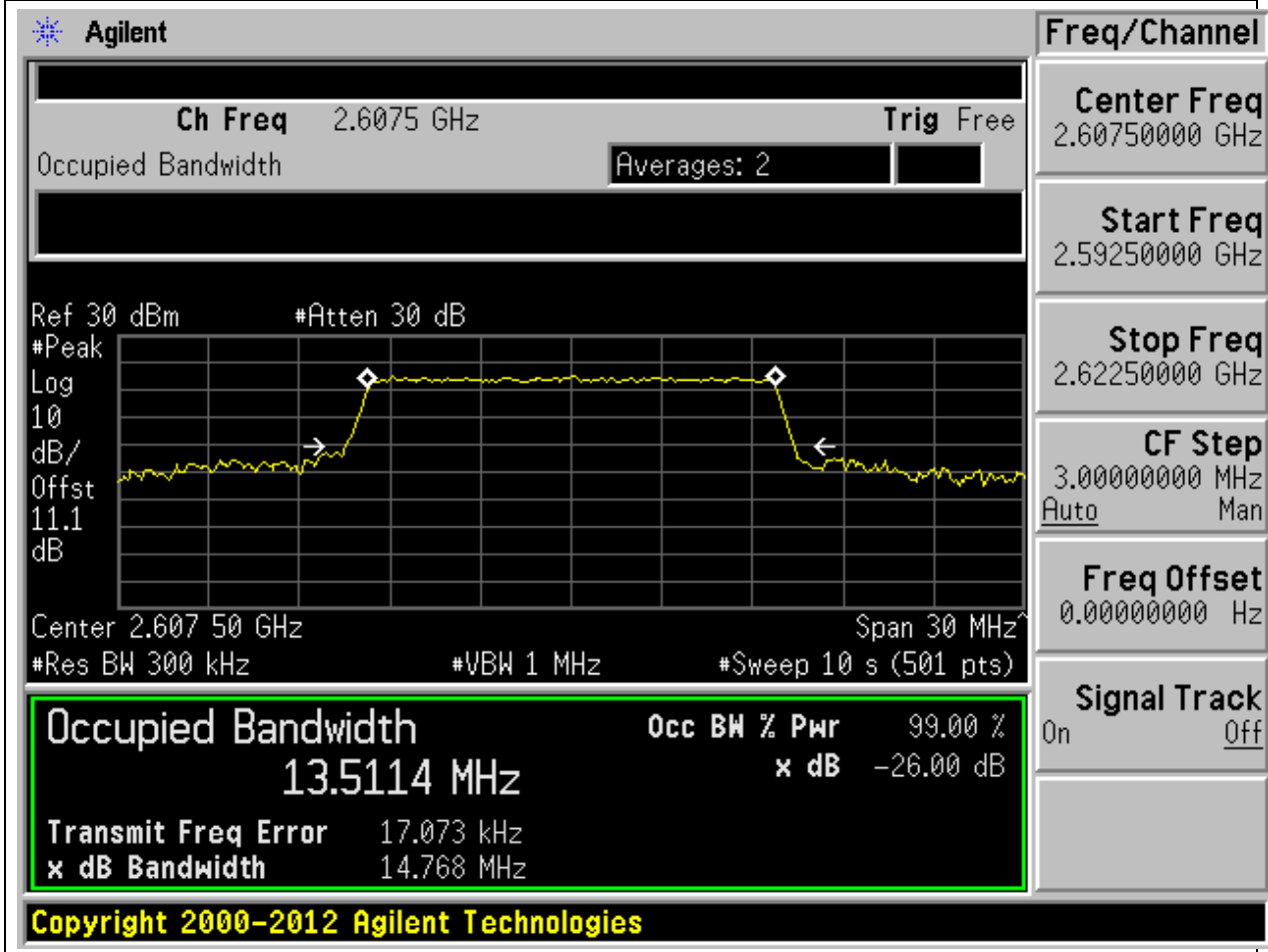
**CF Step**  
3.00000000 MHz  
Auto Man

**Freq Offset**  
0.00000000 Hz

**Signal Track**  
On Off

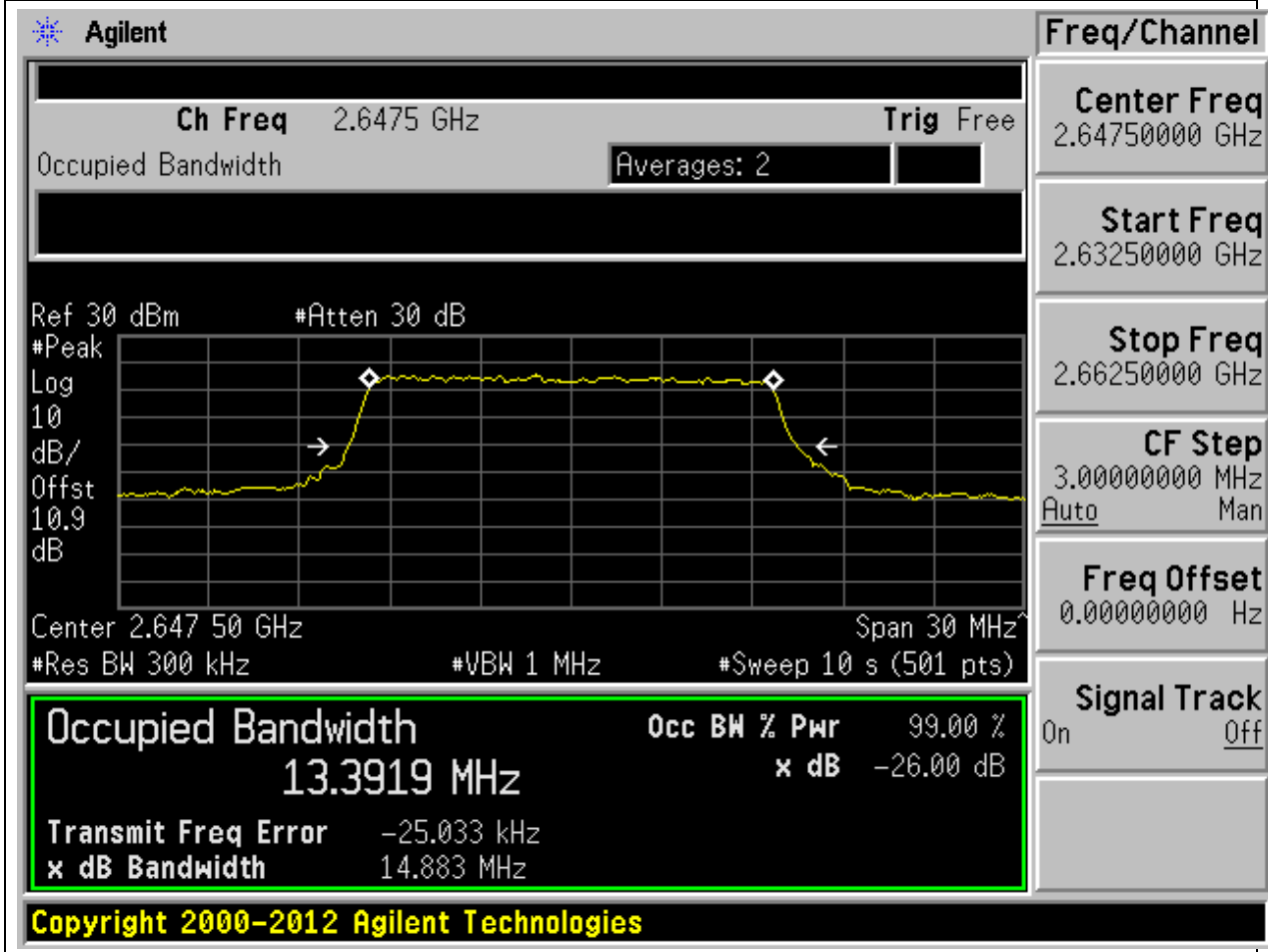
**13.16. LTE Occupied Bandwidth(NTNV)(Subtest:16, Channel:40765, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2607.5	99	26	0.3	Peak	13.51	14.77	15	Pass



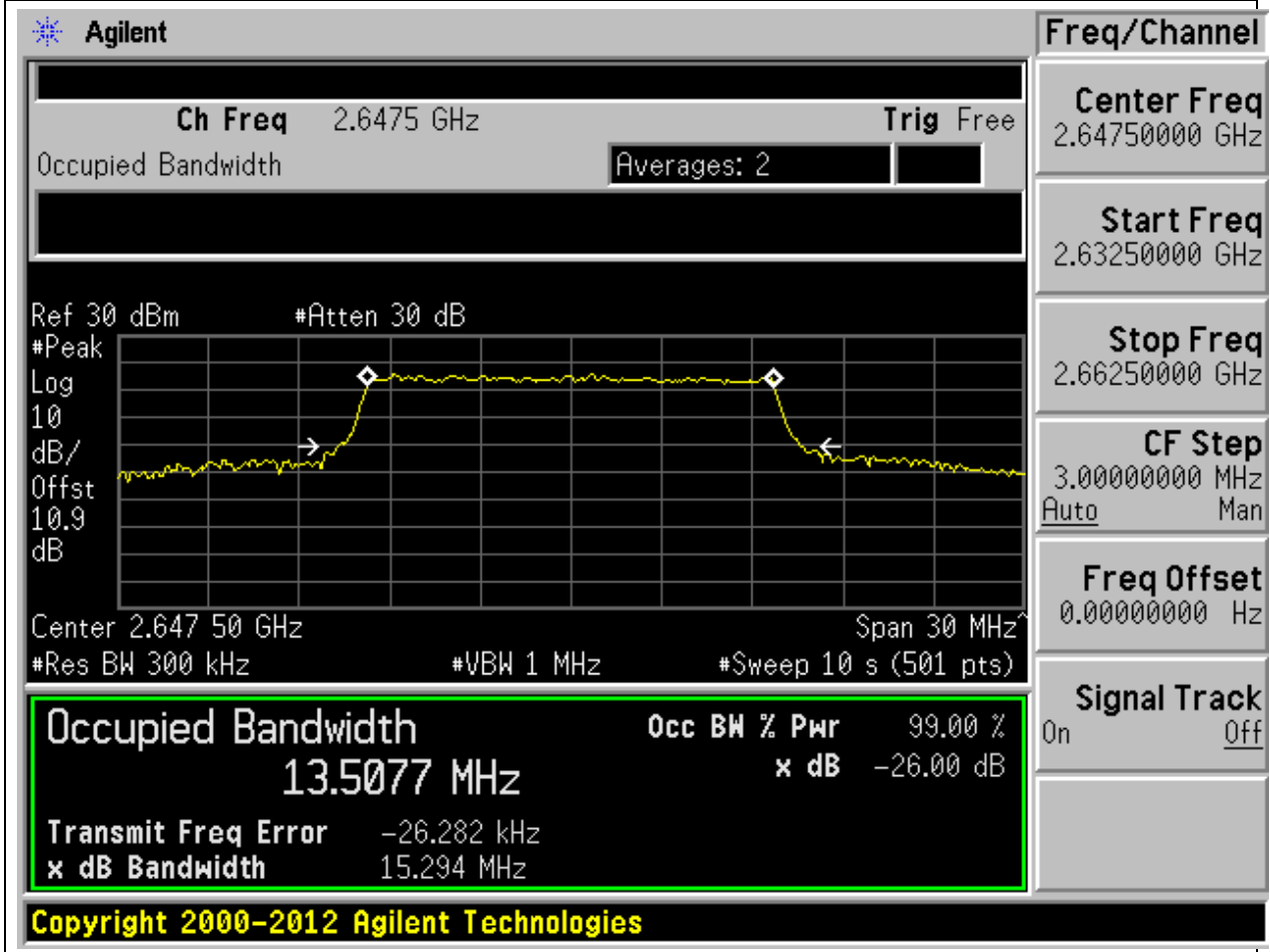
**13.17. LTE Occupied Bandwidth(NTNV)(Subtest:17, Channel:41165, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2647.5	99	26	0.3	Peak	13.39	14.88	15	Pass



**13.18. LTE Occupied Bandwidth(NTNV)(Subtest:18, Channel:41165, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)**

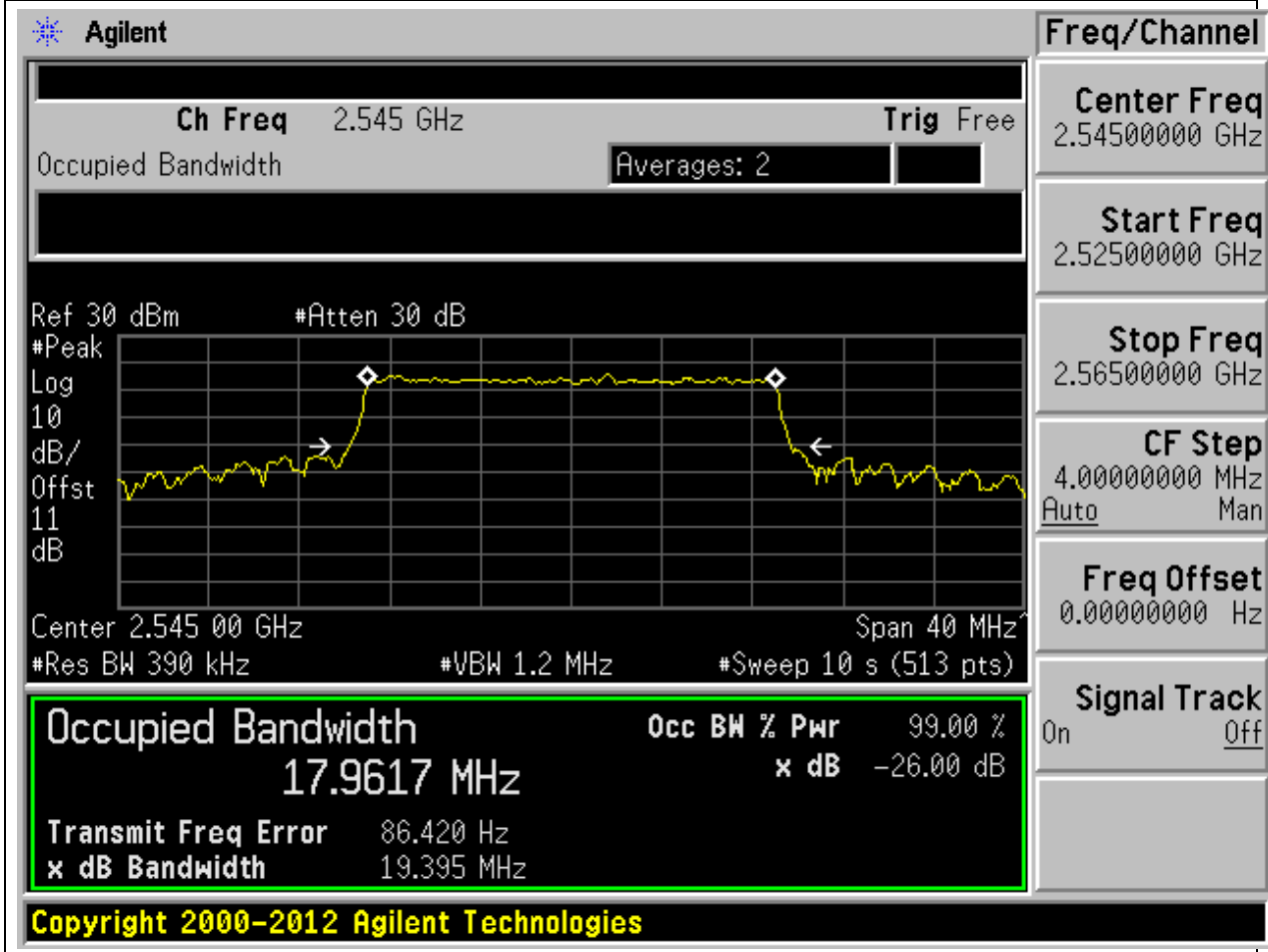
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2647.5	99	26	0.3	Peak	13.51	15.29	15	Pass





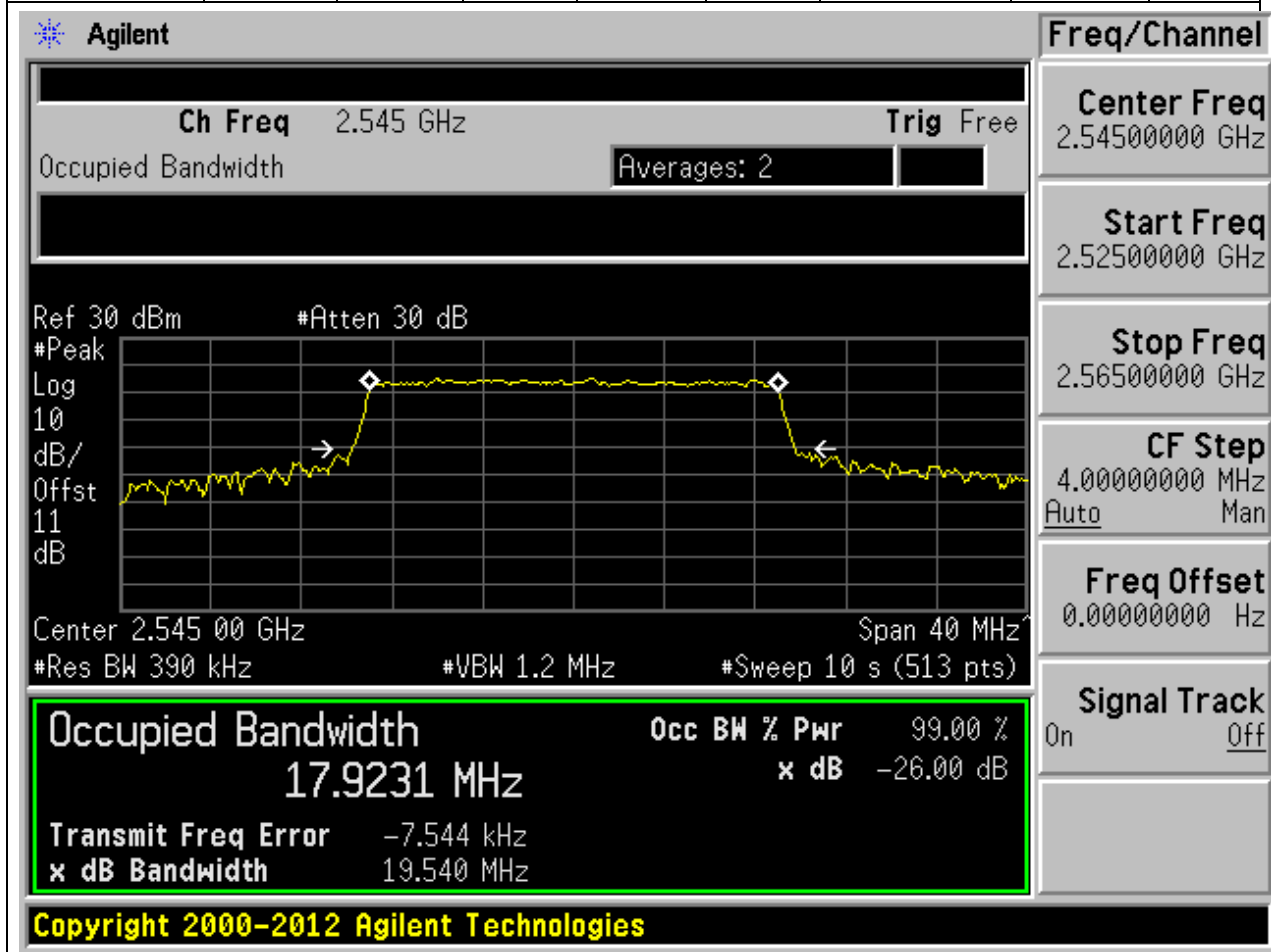
**13.19. LTE Occupied Bandwidth(NTNV)(Subtest:19, Channel:40140, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2545	99	26	0.39	Peak	17.96	19.39	20	Pass



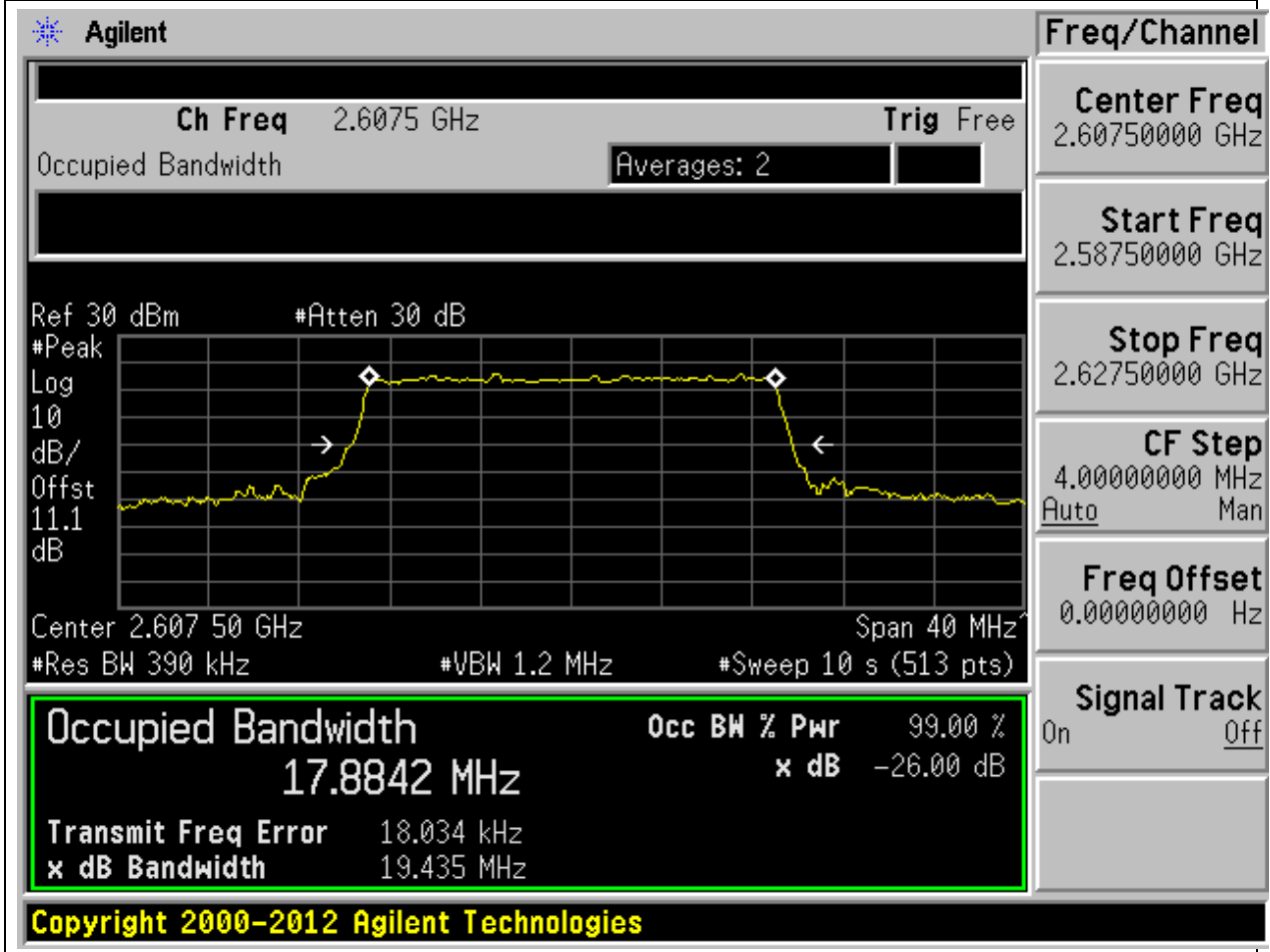
**13.20. LTE Occupied Bandwidth(NTNV)(Subtest:20, Channel:40140, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2545	99	26	0.39	Peak	17.92	19.54	20	Pass



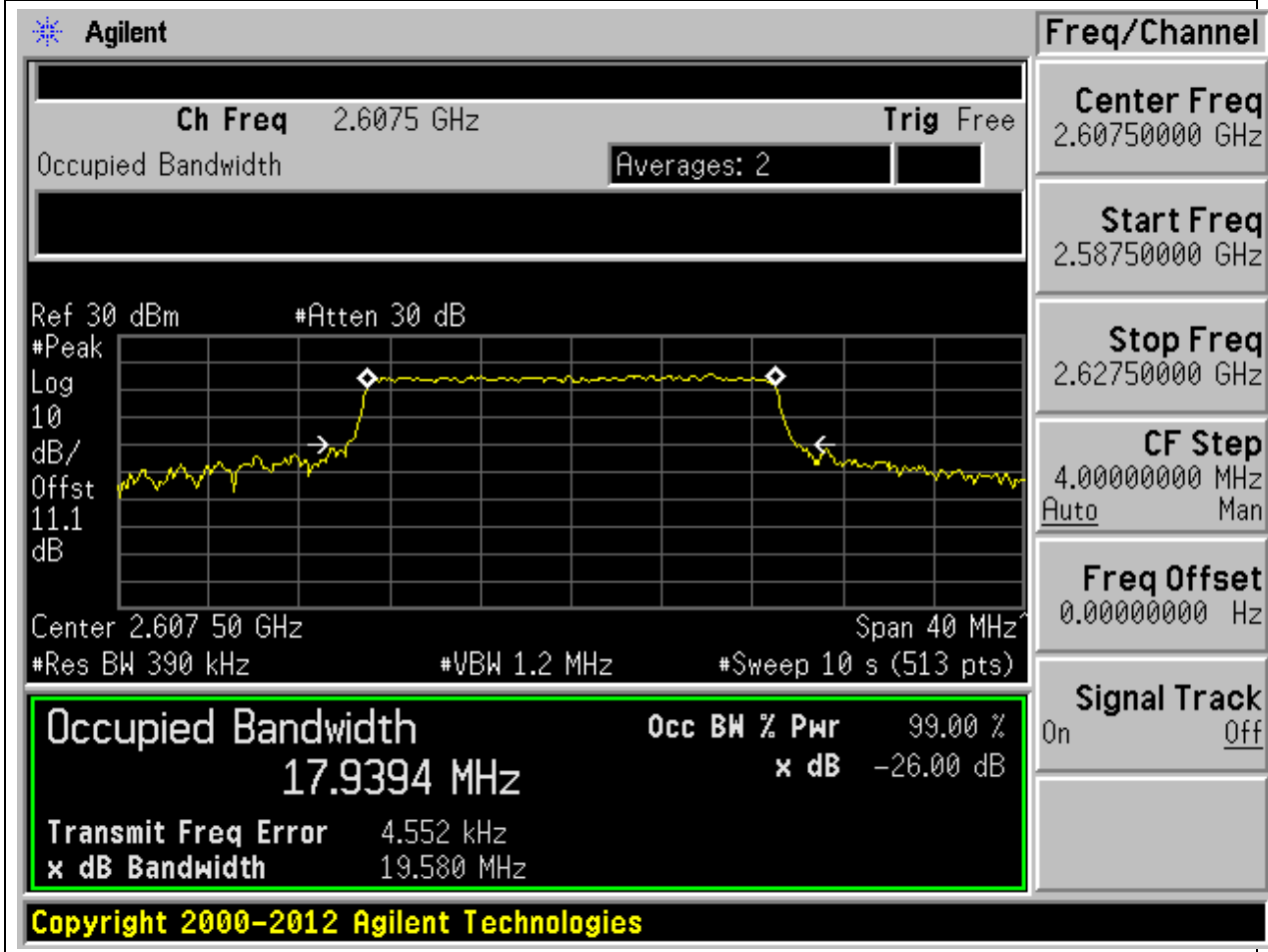
**13.21. LTE Occupied Bandwidth(NTNV)(Subtest:21, Channel:40765, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2607.5	99	26	0.39	Peak	17.88	19.43	20	Pass



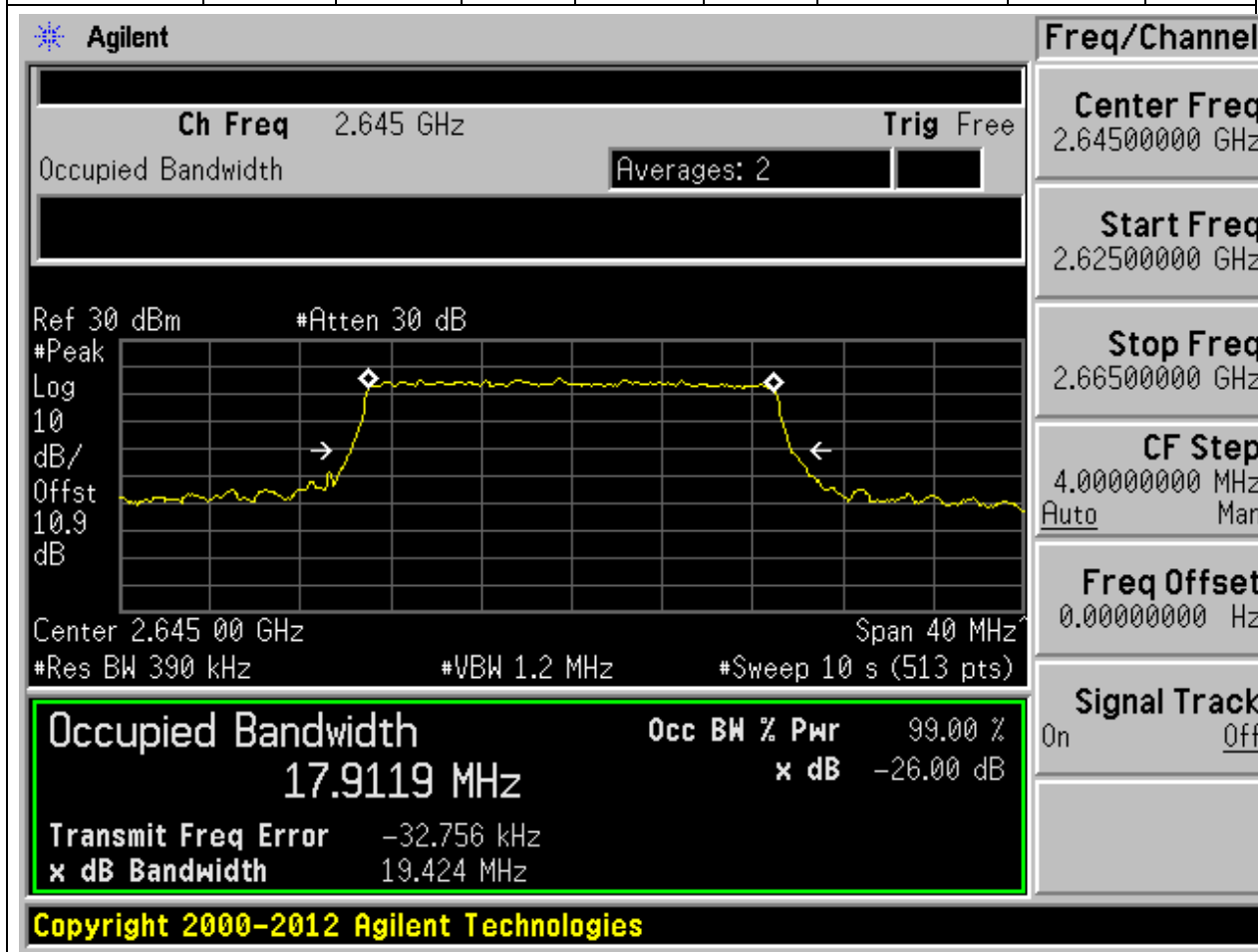
**13.22. LTE Occupied Bandwidth(NTNV)(Subtest:22, Channel:40765, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2607.5	99	26	0.39	Peak	17.94	19.58	20	Pass



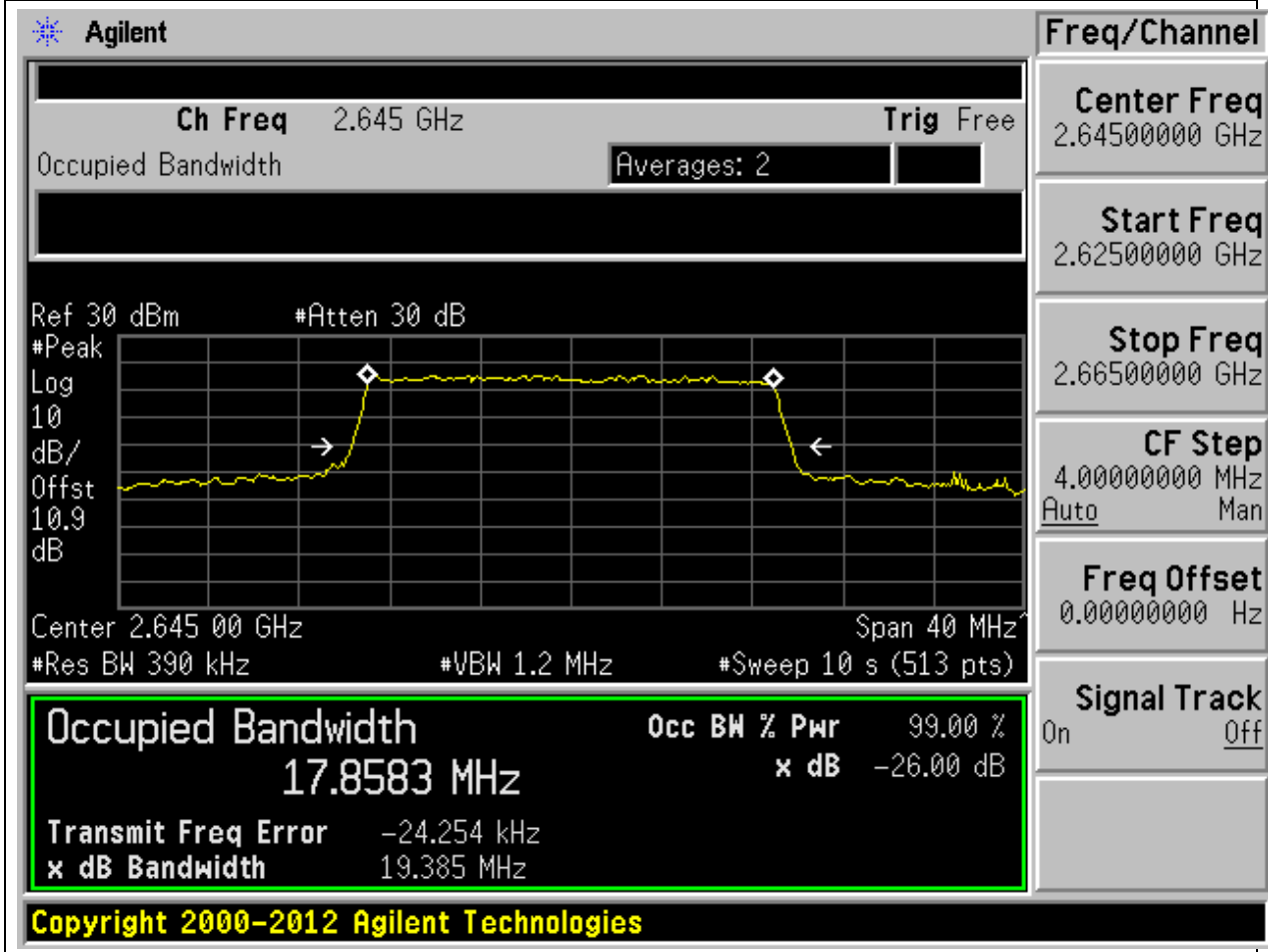
**13.23. LTE Occupied Bandwidth(NTNV)(Subtest:23, Channel:41140, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2645	99	26	0.39	Peak	17.91	19.42	20	Pass



**13.24. LTE Occupied Bandwidth(NTNV)(Subtest:24, Channel:41140, 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
2645	99	26	0.39	Peak	17.86	19.39	20	Pass



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END