

**4.3. 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	4.502	5.382	5	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 11.9 dB

Center 2.535 000 GHz Span 10 MHz

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

Center Freq 2.53500000 GHz

Start Freq 2.53000000 GHz

Stop Freq 2.54000000 GHz

CF Step 1.00000000 MHz  
Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

**Occupied Bandwidth**

**4.5024 MHz**

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -5.068 kHz

x dB Bandwidth 5.382 MHz

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**4.4. 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	4.512	5.098	5	Pass

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

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

Occupied Bandwidth **Averages: 2**

Ref 30 dBm #Atten 30 dB

Center 2.535 000 GHz Span 10 MHz

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

**Center Freq**  
2.53500000 GHz

**Start Freq**  
2.53000000 GHz

**Stop Freq**  
2.54000000 GHz

**CF Step**  
1.00000000 MHz  
Auto Man

**Freq Offset**  
0.00000000 Hz

**Signal Track**  
On Off

**Occupied Bandwidth**  
4.5122 MHz

**Transmit Freq Error** -2.791 kHz

**x dB Bandwidth** 5.098 MHz

**Occ BW % Pwr** 99.00 %

**x dB** -26.00 dB

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**4.5. 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	4.489	4.97	5	Pass

Agilent
Freq/Channel

Ch Freq 2.5675 GHz Trig Free

Occupied Bandwidth Averages: 2

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**

**4.4892 MHz**

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -2.884 kHz

x dB Bandwidth 4.970 MHz

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**4.6. 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	4.508	5.059	5	Pass

Agilent
Freq/Channel

Ch Freq 2.5675 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak

Log 10 dB/Offst 11.9 dB

Center 2.567 500 GHz Span 10 MHz

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

Center Freq 2.56750000 GHz

Start Freq 2.56250000 GHz

Stop Freq 2.57250000 GHz

CF Step 1.00000000 MHz  
Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

**Occupied Bandwidth**

**4.5077 MHz**

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -1.759 kHz

x dB Bandwidth 5.059 MHz

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**4.7. 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	8.973	10.066	10	Pass

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

**Ch Freq** 2.505 GHz
**Trig** Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 12 dB

Center 2.505 00 GHz Span 20 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
<b>8.9730 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	11.806 kHz	
<b>x dB Bandwidth</b>	10.066 MHz	

**Center Freq**  
2.50500000 GHz

**Start Freq**  
2.49500000 GHz

**Stop Freq**  
2.51500000 GHz

**CF Step**  
2.00000000 MHz  
Auto Man

**Freq Offset**  
0.00000000 Hz

**Signal Track**  
On Off

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**4.8. 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	8.981	9.977	10	Pass

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

**Ch Freq** 2.505 GHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Ref 30 dBm #Atten 30 dB

Center 2.505 00 GHz Span 20 MHz

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

**Center Freq**  
2.50500000 GHz

**Start Freq**  
2.49500000 GHz

**Stop Freq**  
2.51500000 GHz

**CF Step**  
2.00000000 MHz  
Auto Man

**Freq Offset**  
0.00000000 Hz

**Signal Track**  
On Off

**Occupied Bandwidth**  
**8.9810 MHz**

**Transmit Freq Error** 17.382 kHz

**x dB Bandwidth** 9.977 MHz

**Occ BW % Pwr** 99.00 %

**x dB** -26.00 dB

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**4.9. 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	8.962	10.071	10	Pass

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

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

Occupied Bandwidth **Averages: 2**

Ref 30 dBm #Atten 30 dB

Center 2.535 00 GHz Span 20 MHz

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

**Center Freq**  
2.53500000 GHz

**Start Freq**  
2.52500000 GHz

**Stop Freq**  
2.54500000 GHz

**CF Step**  
2.00000000 MHz  
Auto Man

**Freq Offset**  
0.00000000 Hz

**Signal Track**  
On Off

**Occupied Bandwidth**

**8.9625 MHz**

**Occ BW % Pwr** 99.00 %

**x dB** -26.00 dB

**Transmit Freq Error** -7.308 kHz

**x dB Bandwidth** 10.071 MHz

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**4.10. 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	8.975	10.051	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 11.9 dB

Center 2.535 00 GHz Span 20 MHz

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

**Center Freq**  
2.53500000 GHz

**Start Freq**  
2.52500000 GHz

**Stop Freq**  
2.54500000 GHz

**CF Step**  
2.00000000 MHz  
Auto Man

**Freq Offset**  
0.00000000 Hz

**Signal Track**  
On Off

**Occupied Bandwidth**

**8.9753 MHz**

**Occ BW % Pwr** 99.00 %

**x dB** -26.00 dB

**Transmit Freq Error** -2.280 kHz

**x dB Bandwidth** 10.051 MHz

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**4.11. 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	8.966	9.903	10	Pass

Agilent
Freq/Channel

Ch Freq 2.565 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.9 dB

Center 2.565 00 GHz Span 20 MHz

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

Center Freq 2.56500000 GHz

Start Freq 2.55500000 GHz

Stop Freq 2.57500000 GHz

CF Step 2.00000000 MHz  
Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

**Occupied Bandwidth**

**8.9660 MHz**

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -18.829 kHz

x dB Bandwidth 9.903 MHz

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**4.12. 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	8.976	9.904	10	Pass

Agilent
Freq/Channel

Ch Freq 2.565 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 2.565 00 GHz Span 20 MHz

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

Center Freq 2.56500000 GHz

Start Freq 2.55500000 GHz

Stop Freq 2.57500000 GHz

CF Step 2.00000000 MHz  
Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

**Occupied Bandwidth**

**8.9762 MHz**

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -18.160 kHz

x dB Bandwidth 9.904 MHz

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**4.13. 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	13.432	15.499	15	Pass

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

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

Occupied Bandwidth Averages: 2

**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

Ref 30 dBm #Atten 30 dB

Center 2.507 50 GHz Span 30 MHz  
#Res BW 300 kHz #VBW 1 MHz #Sweep 1 s (500 pts)

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

**13.4322 MHz** **x dB** -26.00 dB

**Transmit Freq Error** 18.468 kHz

**x dB Bandwidth** 15.499 MHz

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**4.14. 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	13.454	15.511	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 12 dB

Center 2.507 50 GHz Span 30 MHz

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

**Center Freq**  
2.50750000 GHz

**Start Freq**  
2.49250000 GHz

**Stop Freq**  
2.52250000 GHz

**CF Step**  
3.00000000 MHz  
Auto Man

**Freq Offset**  
0.00000000 Hz

**Signal Track**  
On Off

**Occupied Bandwidth**

**13.4536 MHz**

**Occ BW % Pwr** 99.00 %

**x dB** -26.00 dB

**Transmit Freq Error** 24.174 kHz

**x dB Bandwidth** 15.511 MHz

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**4.15. 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	13.445	15.943	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 11.9 dB

Center 2.535 00 GHz Span 30 MHz

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

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

**Occupied Bandwidth**

**13.4452 MHz**

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -13.700 kHz

x dB Bandwidth 15.943 MHz

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**4.16. 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	13.436	15.128	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 11.9 dB

Center 2.535 00 GHz Span 30 MHz

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

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

**Occupied Bandwidth**

**13.4364 MHz**

Occ BW % Pwr 99.00 %

x dB -26.00 dB

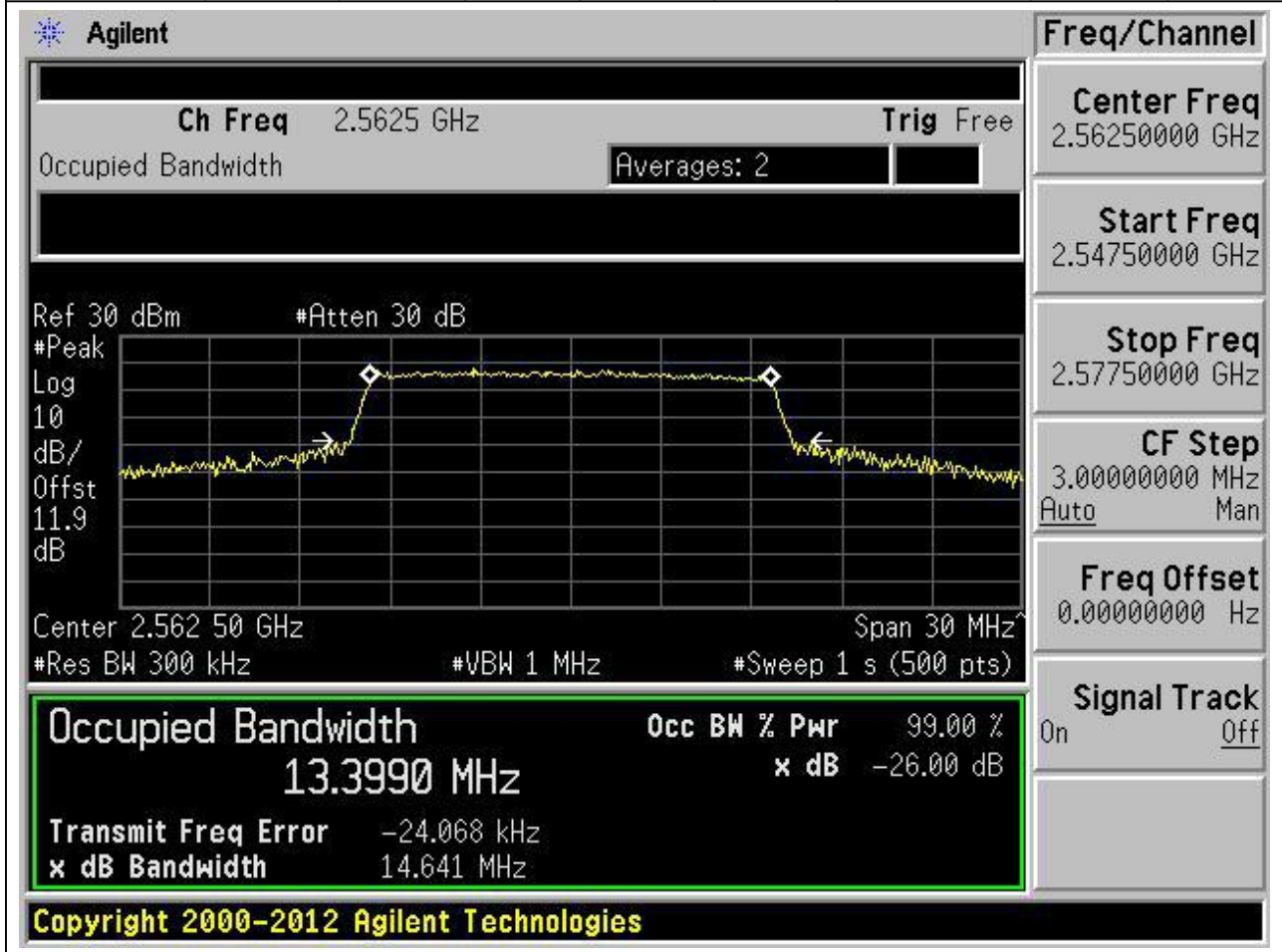
Transmit Freq Error -9.181 kHz

x dB Bandwidth 15.128 MHz

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**4.17. 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	13.399	14.641	15	Pass



**4.18. 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	13.421	16.002	15	Pass

Agilent
Freq/Channel

Ch Freq 2.5625 GHz Trig Free

Occupied Bandwidth Averages: 2

Center 2.562 50 GHz Span 30 MHz  
#Res BW 300 kHz #VBW 1 MHz #Sweep 1 s (500 pts)

Center Freq 2.56250000 GHz

Start Freq 2.54750000 GHz

Stop Freq 2.57750000 GHz

CF Step 3.00000000 MHz  
Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

**Occupied Bandwidth**

**13.4208 MHz**

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -10.118 kHz

x dB Bandwidth 16.002 MHz

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**4.19. 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	19.423	20	Pass

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

**Ch Freq** 2.51 GHz **Trig** Free

Occupied Bandwidth **Averages: 2**

**Center Freq**  
2.51000000 GHz

**Start Freq**  
2.49000000 GHz

**Stop Freq**  
2.53000000 GHz

**CF Step**  
4.00000000 MHz  
Auto Man

**Freq Offset**  
0.00000000 Hz

**Signal Track**  
On Off

Ref 30 dBm #Atten 30 dB

Center 2.510 00 GHz Span 40 MHz

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

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

**17.9001 MHz** **x dB** -26.00 dB

**Transmit Freq Error** 19.493 kHz

**x dB Bandwidth** 19.423 MHz

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**4.20. 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	17.902	20.822	20	Pass

Agilent
Freq/Channel

Ch Freq 2.51 GHz Trig Free

Occupied Bandwidth Averages: 2

Center 2.510 00 GHz Span 40 MHz

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

Center Freq 2.51000000 GHz

Start Freq 2.49000000 GHz

Stop Freq 2.53000000 GHz

CF Step 4.00000000 MHz  
Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

**Occupied Bandwidth**

**17.9022 MHz**

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error 18.292 kHz

x dB Bandwidth 20.822 MHz

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**4.21. 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	17.898	19.429	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 11.9 dB

Center 2.535 00 GHz Span 40 MHz

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

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

**17.8981 MHz** x dB -26.00 dB

Transmit Freq Error -4.873 kHz

x dB Bandwidth 19.429 MHz

Center Freq 2.53500000 GHz
Start Freq 2.51500000 GHz

Stop Freq 2.55500000 GHz

CF Step 4.00000000 MHz
Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

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**4.22. 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	17.929	21.849	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 11.9 dB

Center 2.535 00 GHz Span 40 MHz

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

Center Freq 2.53500000 GHz

Start Freq 2.51500000 GHz

Stop Freq 2.55500000 GHz

CF Step 4.00000000 MHz  
Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

**Occupied Bandwidth**

**17.9292 MHz**

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -17.917 kHz

x dB Bandwidth 21.849 MHz

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**4.23. 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	17.886	20.137	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 11.9 dB

Center 2.560 00 GHz Span 40 MHz

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

Center Freq 2.56000000 GHz

Start Freq 2.54000000 GHz

Stop Freq 2.58000000 GHz

CF Step 4.00000000 MHz  
Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

**Occupied Bandwidth**

**17.8857 MHz**

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -48.225 kHz

x dB Bandwidth 20.137 MHz

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**4.24. 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	17.865	20.301	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 11.9 dB

Center 2.560 00 GHz Span 40 MHz

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

**Center Freq**  
2.56000000 GHz

**Start Freq**  
2.54000000 GHz

**Stop Freq**  
2.58000000 GHz

**CF Step**  
4.00000000 MHz  
Auto Man

**Freq Offset**  
0.00000000 Hz

**Signal Track**  
On Off

**Occupied Bandwidth**  
**17.8655 MHz**

Transmit Freq Error -23.352 kHz

x dB Bandwidth 20.301 MHz

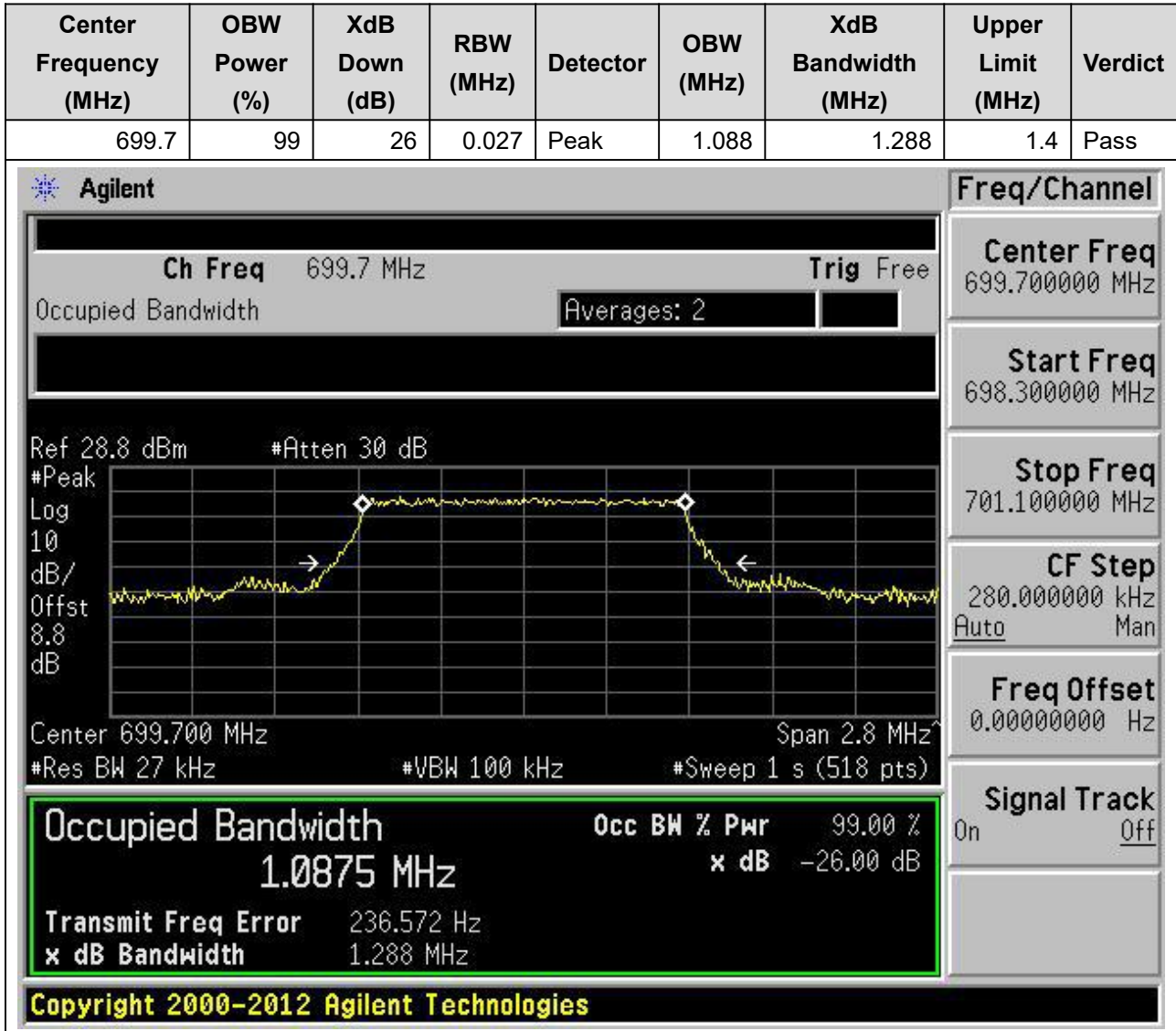
**Occ BW % Pwr** 99.00 %

**x dB** -26.00 dB

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## 5. LTE\_Band12

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





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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
699.7	99	26	0.027	Peak	1.088	1.272	1.4	Pass

Agilent
Freq/Channel

Ch Freq 699.7 MHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 28.8 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.8 dB

Center 699.700 MHz Span 2.8 MHz

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

**Center Freq**  
699.700000 MHz

**Start Freq**  
698.300000 MHz

**Stop Freq**  
701.100000 MHz

**CF Step**  
280.000000 kHz  
Auto Man

**Freq Offset**  
0.00000000 Hz

**Signal Track**  
On Off

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

1.0878 MHz

x dB -26.00 dB

Transmit Freq Error 1.210 kHz

x dB Bandwidth 1.272 MHz

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
707.5	99	26	0.027	Peak	1.093	1.266	1.4	Pass

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

**Ch Freq** 707.5 MHz
**Trig** Free

Occupied Bandwidth
Averages: 2

Ref 28.84 dBm
#Atten 30 dB

#Peak Log 10 dB/ Offst 8.84 dB

Center 707.500 MHz
Span 2.8 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
<b>1.0933 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	-734.677 Hz	
<b>x dB Bandwidth</b>	1.266 MHz	

**Signal Track**
On Off

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
707.5	99	26	0.027	Peak	1.089	1.285	1.4	Pass

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

**Ch Freq** 707.5 MHz **Trig** Free

Occupied Bandwidth Averages: 2

**Center Freq**  
707.500000 MHz

**Start Freq**  
706.100000 MHz

**Stop Freq**  
708.900000 MHz

**CF Step**  
280.000000 kHz  
Auto Man

**Freq Offset**  
0.00000000 Hz

**Signal Track**  
On Off

Ref 28.84 dBm #Atten 30 dB

Center 707.500 MHz Span 2.8 MHz

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

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

**1.0892 MHz** **x dB** -26.00 dB

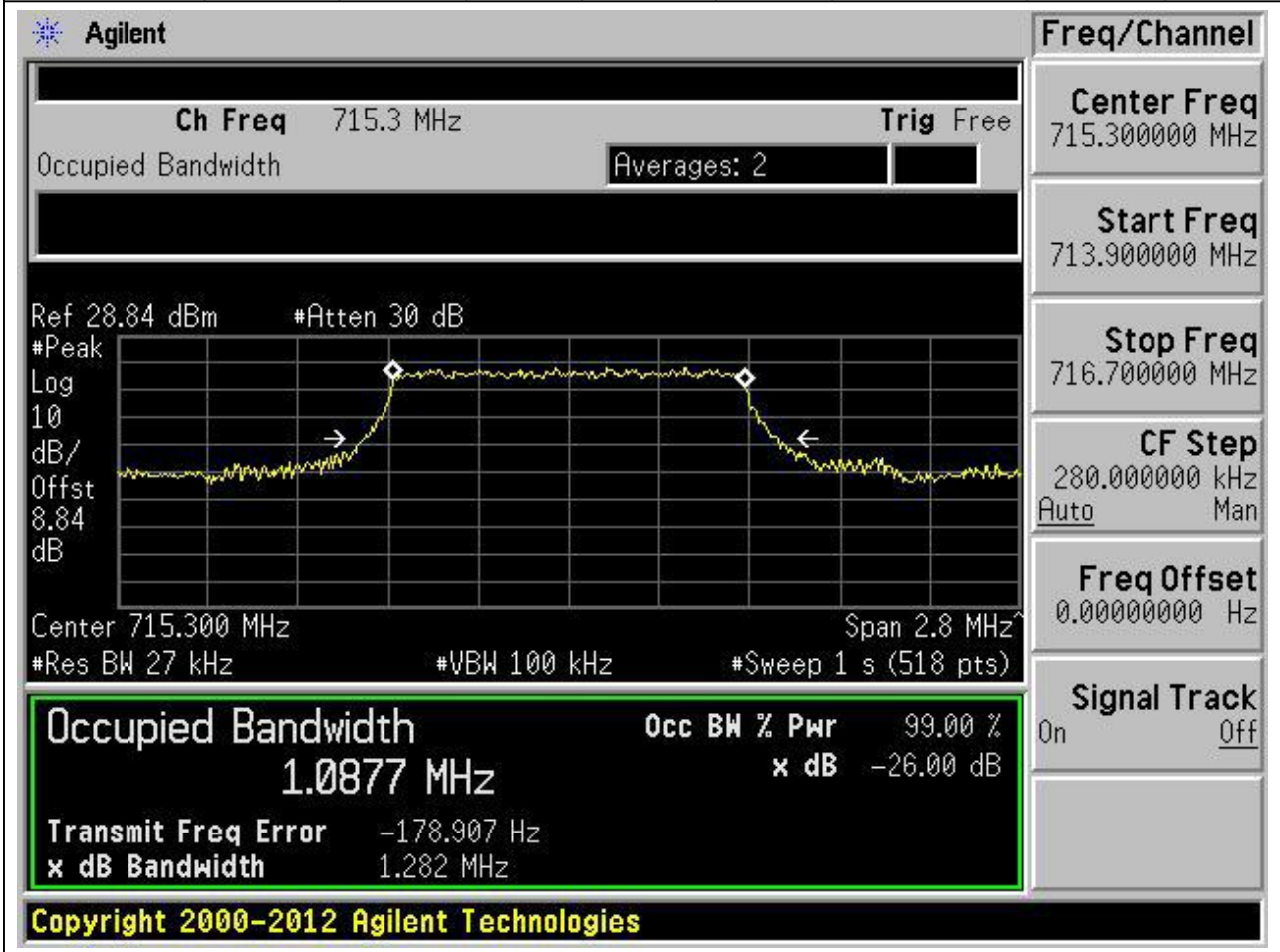
**Transmit Freq Error** 232.620 Hz

**x dB Bandwidth** 1.285 MHz

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
715.3	99	26	0.027	Peak	1.088	1.282	1.4	Pass



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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
715.3	99	26	0.027	Peak	1.094	1.302	1.4	Pass

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

**Ch Freq** 715.3 MHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Ref 28.84 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.84 dB

Center 715.300 MHz Span 2.8 MHz

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

**Center Freq**  
715.300000 MHz

**Start Freq**  
713.900000 MHz

**Stop Freq**  
716.700000 MHz

**CF Step**  
280.000000 kHz  
Auto Man

**Freq Offset**  
0.00000000 Hz

**Signal Track**  
On Off

**Occupied Bandwidth**

**1.0942 MHz**

**Occ BW % Pwr** 99.00 %

**x dB** -26.00 dB

**Transmit Freq Error** -1.211 kHz

**x dB Bandwidth** 1.302 MHz

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
700.5	99	26	0.062	Peak	2.7	2.986	3	Pass

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

**Ch Freq** 700.5 MHz
**Trig** Free

Occupied Bandwidth Averages: 2

Ref 28.8 dBm    #Atten 30 dB

#Peak

Log

10

dB/

Offst

8.8

dB

Center 700.500 MHz    Span 6 MHz

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

**Center Freq**  
700.500000 MHz

**Start Freq**  
697.500000 MHz

**Stop Freq**  
703.500000 MHz

**CF Step**  
600.000000 kHz  
Auto    Man

**Freq Offset**  
0.00000000 Hz

**Signal Track**  
On    Off

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
2.7000 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		-29.316 Hz
<b>x dB Bandwidth</b>		2.986 MHz

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
700.5	99	26	0.062	Peak	2.705	2.995	3	Pass

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

**Ch Freq** 700.5 MHz **Trig** Free

Occupied Bandwidth **Averages: 2**

**Center Freq**  
700.500000 MHz

**Start Freq**  
697.500000 MHz

**Stop Freq**  
703.500000 MHz

**CF Step**  
600.000000 kHz  
Auto Man

**Freq Offset**  
0.00000000 Hz

**Signal Track**  
On Off

Ref 28.8 dBm #Atten 30 dB

Center 700.500 MHz Span 6 MHz

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

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

**2.7054 MHz** **x dB** -26.00 dB

**Transmit Freq Error** 144.422 Hz

**x dB Bandwidth** 2.995 MHz

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
707.5	99	26	0.062	Peak	2.705	2.991	3	Pass

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

**Ch Freq** 707.5 MHz
**Trig** Free

Occupied Bandwidth
Averages: 2

Ref 28.84 dBm    #Atten 30 dB

#Peak

Log

10

dB/

Offst

8.84

dB

Center 707.500 MHz    Span 6 MHz

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

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

2.7053 MHz

**x dB**    -26.00 dB

**Transmit Freq Error**    -1.541 kHz

**x dB Bandwidth**    2.991 MHz

**Freq Offset**    0.00000000 Hz

**CF Step**    600.000000 kHz

Auto    Man

**Signal Track**

On    Off

**Center Freq**    707.500000 MHz

**Start Freq**    704.500000 MHz

**Stop Freq**    710.500000 MHz

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
707.5	99	26	0.062	Peak	2.698	2.997	3	Pass

Agilent
Freq/Channel

Ch Freq 707.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.84 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.84 dB

Center 707.500 MHz Span 6 MHz

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

Center Freq 707.500000 MHz

Start Freq 704.500000 MHz

Stop Freq 710.500000 MHz

CF Step 600.000000 kHz Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

**Occupied Bandwidth**

**2.6978 MHz**

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -3.164 kHz

x dB Bandwidth 2.997 MHz

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
714.5	99	26	0.062	Peak	2.699	2.98	3	Pass

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

**Ch Freq** 714.5 MHz
**Trig** Free

Occupied Bandwidth Averages: 2

Ref 28.84 dBm    #Atten 30 dB

#Peak

Log

10

dB/

Offst

8.85

dB

Center 714.500 MHz    Span 6 MHz

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

**Center Freq**  
714.500000 MHz

**Start Freq**  
711.500000 MHz

**Stop Freq**  
717.500000 MHz

**CF Step**  
600.000000 kHz  
Auto    Man

**Freq Offset**  
0.00000000 Hz

**Signal Track**  
On    Off

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
<b>2.6988 MHz</b>	<b>x dB</b>	-26.00 dB
<hr/>		
<b>Transmit Freq Error</b>	-1.209 kHz	
<b>x dB Bandwidth</b>	2.980 MHz	

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
714.5	99	26	0.062	Peak	2.694	2.998	3	Pass

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

**Ch Freq** 714.5 MHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Ref 28.84 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.85 dB

Center 714.500 MHz Span 6 MHz

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

**Center Freq**  
714.500000 MHz

**Start Freq**  
711.500000 MHz

**Stop Freq**  
717.500000 MHz

**CF Step**  
600.000000 kHz  
Auto Man

**Freq Offset**  
0.00000000 Hz

**Signal Track**  
On Off

**Occupied Bandwidth**  
**2.6938 MHz**

**Transmit Freq Error** -568.397 Hz

**x dB Bandwidth** 2.998 MHz

**Occ BW % Pwr** 99.00 %

**x dB** -26.00 dB

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
701.5	99	26	0.1	Peak	4.504	5.018	5	Pass

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

**Ch Freq** 701.5 MHz
**Trig** Free

Occupied Bandwidth Averages: 2

Ref 28.81 dBm    #Atten 30 dB

#Peak

Log

10

dB/

Offst

8.81

dB

Center 701.500 MHz    Span 10 MHz

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

**Center Freq**  
701.500000 MHz

**Start Freq**  
696.500000 MHz

**Stop Freq**  
706.500000 MHz

**CF Step**  
1.00000000 MHz  
Auto    Man

**Freq Offset**  
0.00000000 Hz

**Signal Track**  
On    Off

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
4.5040 MHz	x dB	-26.00 dB
<b>Transmit Freq Error</b>		971.250 Hz
<b>x dB Bandwidth</b>		5.018 MHz

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
701.5	99	26	0.1	Peak	4.494	4.961	5	Pass

**Agilent**

Ch Freq 701.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.81 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.81 dB

Center 701.500 MHz Span 10 MHz

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

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

**4.4939 MHz** x dB -26.00 dB

Transmit Freq Error 409.232 Hz

x dB Bandwidth 4.961 MHz

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**Freq/Channel**

Center Freq 701.500000 MHz

Start Freq 696.500000 MHz

Stop Freq 706.500000 MHz

CF Step 1.00000000 MHz Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
707.5	99	26	0.1	Peak	4.494	4.985	5	Pass

Agilent
Freq/Channel

Ch Freq 707.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.84 dBm #Atten 30 dB

#Peak

Center 707.500 MHz Span 10 MHz

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

Center Freq 707.500000 MHz

Start Freq 702.500000 MHz

Stop Freq 712.500000 MHz

CF Step 1.00000000 MHz  
Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

**Occupied Bandwidth**

**4.4941 MHz**

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -6.452 kHz

x dB Bandwidth 4.985 MHz

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
707.5	99	26	0.1	Peak	4.502	4.986	5	Pass

Agilent
Freq/Channel

Ch Freq 707.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.84 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.84 dB

Center 707.500 MHz Span 10 MHz

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

Center Freq 707.500000 MHz

Start Freq 702.500000 MHz

Stop Freq 712.500000 MHz

CF Step 1.00000000 MHz  
Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

**Occupied Bandwidth**

**4.5021 MHz**

Transmit Freq Error -4.880 kHz

x dB Bandwidth 4.986 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
713.5	99	26	0.1	Peak	4.481	4.953	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The plot is centered at 713.500 MHz with a span of 10 MHz. The vertical axis is labeled 'Log 10 dB/Offst 8.85 dB'. The horizontal axis is labeled 'Center 713.500 MHz' and 'Span 10 MHz'. The plot shows a signal with a peak at 713.500 MHz. The peak is marked with a diamond symbol. The plot also shows the occupied bandwidth (OBW) measurement results: 4.4814 MHz. The plot is labeled 'Occupied Bandwidth' and 'Averages: 2'. The plot also shows the reference level: 'Ref 28.85 dBm' and the attenuation: '#Atten 30 dB'. The plot also shows the resolution bandwidth: '#Res BW 100 kHz', the video bandwidth: '#VBW 300 kHz', and the sweep time: '#Sweep 1 s (500 pts)'. The plot also shows the transmit frequency error: 'Transmit Freq Error 2.589 kHz' and the x dB bandwidth: 'x dB Bandwidth 4.953 MHz'. The plot also shows the signal track: 'Signal Track On Off'. The plot also shows the copyright: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth		Occ BW % Pwr	99.00 %
4.4814 MHz		x dB	-26.00 dB
Transmit Freq Error		2.589 kHz	
x dB Bandwidth		4.953 MHz	

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
713.5	99	26	0.1	Peak	4.497	5.02	5	Pass

**Agilent** Freq/Channel

Ch Freq 713.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.85 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.85 dB

Center 713.500 MHz Span 10 MHz

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

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

**4.4972 MHz** x dB -26.00 dB

Transmit Freq Error 12.100 kHz

x dB Bandwidth 5.020 MHz

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Center Freq 713.500000 MHz

Start Freq 708.500000 MHz

Stop Freq 718.500000 MHz

CF Step 1.00000000 MHz Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
704	99	26	0.2	Peak	8.96	9.862	10	Pass

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

**Ch Freq** 704 MHz
**Trig** Free

Occupied Bandwidth Averages: 2

Ref 28.82 dBm    #Atten 30 dB

#Peak

Log

10

dB/

Offst

8.82

dB

Center 704.00 MHz    Span 20 MHz

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

**Center Freq**  
704.000000 MHz

**Start Freq**  
694.000000 MHz

**Stop Freq**  
714.000000 MHz

**CF Step**  
2.00000000 MHz  
Auto    Man

**Freq Offset**  
0.00000000 Hz

**Signal Track**  
On    Off

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
8.9604 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		-6.192 kHz
<b>x dB Bandwidth</b>		9.862 MHz

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
704	99	26	0.2	Peak	8.953	9.851	10	Pass

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

**Ch Freq** 704 MHz
**Trig** Free

Occupied Bandwidth Averages: 2

Ref 28.82 dBm    #Atten 30 dB

#Peak

Log

10

dB/

Offst

8.82

dB

Center 704.00 MHz    Span 20 MHz

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

**Center Freq**  
704.000000 MHz

**Start Freq**  
694.000000 MHz

**Stop Freq**  
714.000000 MHz

**CF Step**  
2.00000000 MHz  
Auto    Man

**Freq Offset**  
0.00000000 Hz

**Signal Track**  
On    Off

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
8.9528 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		-7.525 kHz
<b>x dB Bandwidth</b>		9.851 MHz

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
707.5	99	26	0.2	Peak	8.967	9.887	10	Pass

Agilent
Freq/Channel

Ch Freq 707.5 MHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 28.84 dBm    #Atten 30 dB

#Peak

Log

10

dB/

Offst

8.84

dB

Center 707.50 MHz    Span 20 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
8.9669 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	6.750 kHz	
<b>x dB Bandwidth</b>	9.887 MHz	

Center Freq  
707.500000 MHz

Start Freq  
697.500000 MHz

Stop Freq  
717.500000 MHz

CF Step  
2.00000000 MHz  
Auto Man

Freq Offset  
0.00000000 Hz

Signal Track  
On Off

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
707.5	99	26	0.2	Peak	8.959	9.91	10	Pass

Agilent
Freq/Channel

Ch Freq 707.5 MHz
Trig Free

Occupied Bandwidth Averages: 2

Ref 28.84 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.84 dB

Center 707.50 MHz #Res BW 200 kHz #VBW 620 kHz #Sweep 1 s (500 pts)
Span 20 MHz

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
8.9589 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	13.189 kHz	
<b>x dB Bandwidth</b>	9.910 MHz	

Signal Track
On Off

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
711	99	26	0.2	Peak	8.953	9.84	10	Pass

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

**Ch Freq** 711 MHz
**Trig** Free

Occupied Bandwidth Averages: 2

Ref 28.85 dBm    #Atten 30 dB

#Peak

Log

10

dB/

Offst

8.85

dB

Center 711.00 MHz    Span 20 MHz

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

**Center Freq**  
711.000000 MHz

**Start Freq**  
701.000000 MHz

**Stop Freq**  
721.000000 MHz

**CF Step**  
2.00000000 MHz  
Auto    Man

**Freq Offset**  
0.00000000 Hz

**Signal Track**  
On    Off

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
8.9531 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		14.344 kHz
<b>x dB Bandwidth</b>		9.840 MHz

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
711	99	26	0.2	Peak	8.955	9.811	10	Pass

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

**Ch Freq** 711 MHz
**Trig** Free

Occupied Bandwidth Averages: 2

Ref 28.85 dBm    #Atten 30 dB

#Peak

Log

10

dB/

Offst

8.85

dB

Center 711.00 MHz    Span 20 MHz

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

**Center Freq**  
711.000000 MHz

**Start Freq**  
701.000000 MHz

**Stop Freq**  
721.000000 MHz

**CF Step**  
2.00000000 MHz  
Auto    Man

**Freq Offset**  
0.00000000 Hz

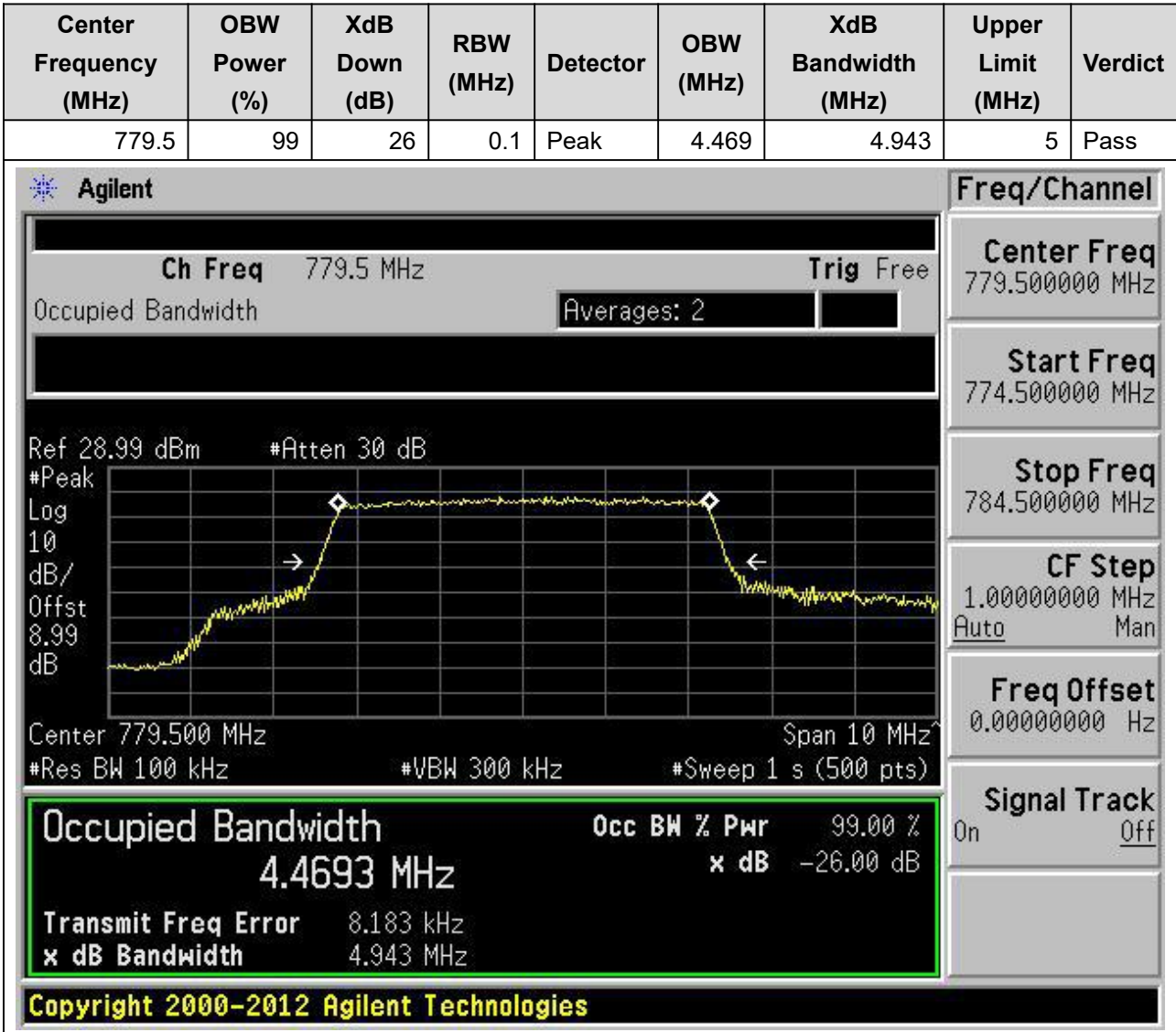
**Signal Track**  
On    Off

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
8.9555 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		9.429 kHz
<b>x dB Bandwidth</b>		9.811 MHz

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## 6. LTE\_Band13

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



**6.2. LTE Occupied Bandwidth(NTNV)(Subtest:2, Channel:23205, 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
779.5	99	26	0.1	Peak	4.475	4.971	5	Pass

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

**Ch Freq** 779.5 MHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Ref 28.99 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.99 dB

Center 779.500 MHz Span 10 MHz

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

**Center Freq**  
779.500000 MHz

**Start Freq**  
774.500000 MHz

**Stop Freq**  
784.500000 MHz

**CF Step**  
1.00000000 MHz  
Auto Man

**Freq Offset**  
0.00000000 Hz

**Signal Track**  
On Off

**Occupied Bandwidth**

**4.4754 MHz**

**Occ BW % Pwr** 99.00 %

**x dB** -26.00 dB

**Transmit Freq Error** 11.290 kHz

**x dB Bandwidth** 4.971 MHz

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**6.3. LTE Occupied Bandwidth(NTNV)(Subtest:3, Channel:23230, 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
782	99	26	0.1	Peak	4.487	4.956	5	Pass

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

**Ch Freq** 782 MHz **Trig** Free

Occupied Bandwidth **Averages: 2**

**Center Freq**  
782.000000 MHz

**Start Freq**  
777.000000 MHz

**Stop Freq**  
787.000000 MHz

**CF Step**  
1.00000000 MHz  
Auto Man

**Freq Offset**  
0.00000000 Hz

**Signal Track**  
On Off

Ref 29 dBm #Atten 30 dB

Center 782.000 MHz Span 10 MHz  
#Res BW 100 kHz #VBW 300 kHz #Sweep 1 s (500 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
4.4866 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b>	-2.576 kHz
<b>x dB Bandwidth</b>	4.956 MHz

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
782	99	26	0.1	Peak	4.502	4.985	5	Pass

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

**Ch Freq** 782 MHz **Trig** Free

Occupied Bandwidth Averages: 2

**Center Freq**  
782.000000 MHz

**Start Freq**  
777.000000 MHz

**Stop Freq**  
787.000000 MHz

**CF Step**  
1.00000000 MHz  
Auto Man

**Freq Offset**  
0.00000000 Hz

**Signal Track**  
On Off

Ref 29 dBm #Atten 30 dB

Center 782.000 MHz Span 10 MHz  
#Res BW 100 kHz #VBW 300 kHz #Sweep 1 s (500 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
4.5017 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	-680.145 Hz	
<b>x dB Bandwidth</b>	4.985 MHz	

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**6.5. LTE Occupied Bandwidth(NTNV)(Subtest:5, Channel:23255, 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
784.5	99	26	0.1	Peak	4.504	5.022	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The plot is set to a center frequency of 784.500 MHz and a span of 10 MHz. The vertical axis is labeled 'Log 10 dB/Offst 9.01 dB'. The horizontal axis is labeled 'Center 784.500 MHz' and 'Span 10 MHz'. The plot shows a signal with a peak at approximately 784.5 MHz. The 'Occupied Bandwidth' is highlighted in a green box, showing a value of 4.5035 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is -5.239 kHz and the 'x dB Bandwidth' is 5.022 MHz. The 'Signal Track' is set to 'Off'. The 'Copyright 2000-2012 Agilent Technologies' is displayed at the bottom.

Occupied Bandwidth		Occ BW % Pwr	99.00 %
4.5035 MHz		x dB	-26.00 dB
Transmit Freq Error		-5.239 kHz	
x dB Bandwidth		5.022 MHz	

**6.6. LTE Occupied Bandwidth(NTNV)(Subtest:6, Channel:23255, 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
784.5	99	26	0.1	Peak	4.492	4.969	5	Pass

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

**Ch Freq** 784.5 MHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Ref 29.01 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 9.01 dB

Center 784.500 MHz Span 10 MHz

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

**Center Freq**  
784.500000 MHz

**Start Freq**  
779.500000 MHz

**Stop Freq**  
789.500000 MHz

**CF Step**  
1.00000000 MHz  
Auto Man

**Freq Offset**  
0.00000000 Hz

**Signal Track**  
On Off

**Occupied Bandwidth**  
4.4920 MHz

**Transmit Freq Error** -6.150 kHz

**x dB Bandwidth** 4.969 MHz

**Occ BW % Pwr** 99.00 %

**x dB** -26.00 dB

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
782	99	26	0.2	Peak	8.904	9.845	10	Pass

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

**Ch Freq** 782 MHz
**Trig** Free

Occupied Bandwidth Averages: 2

Ref 29 dBm      #Atten 30 dB

#Peak

Log

10

dB/

Offst

9

dB

Center 782.00 MHz      Span 20 MHz

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

**Center Freq**  
782.000000 MHz

**Start Freq**  
772.000000 MHz

**Stop Freq**  
792.000000 MHz

**CF Step**  
2.00000000 MHz  
Auto      Man

**Freq Offset**  
0.00000000 Hz

**Signal Track**  
On      Off

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
8.9043 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		12.643 kHz
<b>x dB Bandwidth</b>		9.845 MHz

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
782	99	26	0.2	Peak	8.918	9.761	10	Pass

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

**Ch Freq** 782 MHz **Trig** Free

Occupied Bandwidth **Averages: 2**

**Center Freq**  
782.000000 MHz

**Start Freq**  
772.000000 MHz

**Stop Freq**  
792.000000 MHz

**CF Step**  
2.00000000 MHz  
Auto Man

**Freq Offset**  
0.00000000 Hz

**Signal Track**  
On Off

Ref 29 dBm #Atten 30 dB

Center 782.00 MHz Span 20 MHz  
#Res BW 200 kHz #VBW 620 kHz #Sweep 1 s (500 pts)

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

**8.9177 MHz** **x dB** -26.00 dB

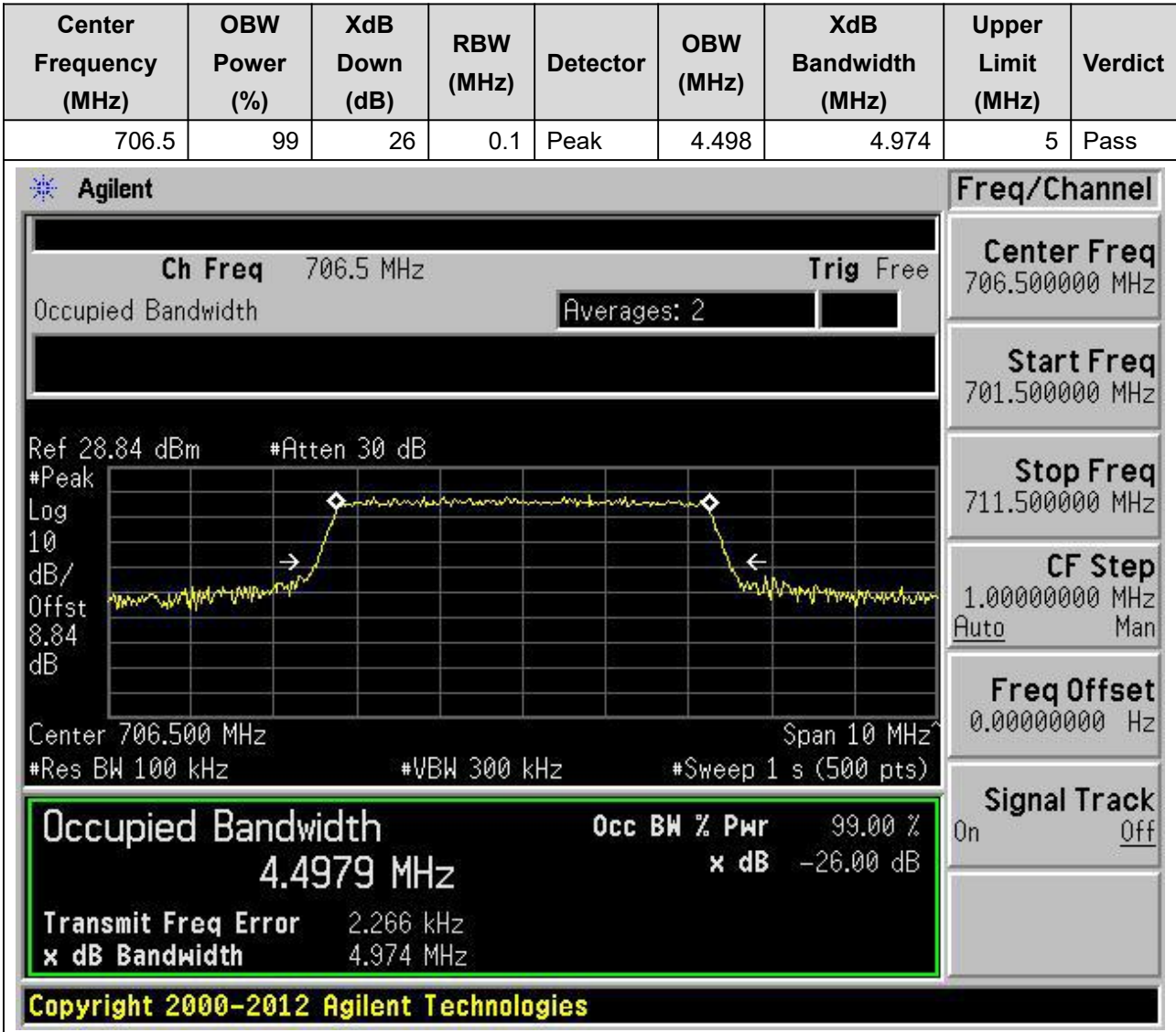
**Transmit Freq Error** 12.974 kHz

**x dB Bandwidth** 9.761 MHz

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## 7. LTE\_Band17

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



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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
706.5	99	26	0.1	Peak	4.492	4.954	5	Pass

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

**Ch Freq** 706.5 MHz **Trig** Free

Occupied Bandwidth **Averages: 2**

**Center Freq**  
706.500000 MHz

**Start Freq**  
701.500000 MHz

**Stop Freq**  
711.500000 MHz

**CF Step**  
1.00000000 MHz  
Auto Man

**Freq Offset**  
0.00000000 Hz

**Signal Track**  
On Off

Ref 28.84 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.84 dB

Center 706.500 MHz Span 10 MHz

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

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

**4.4920 MHz** **x dB** -26.00 dB

**Transmit Freq Error** -1.308 kHz

**x dB Bandwidth** 4.954 MHz

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
710	99	26	0.1	Peak	4.496	4.992	5	Pass

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

**Ch Freq** 710 MHz
**Trig** Free

Occupied Bandwidth
Averages: 2

Ref 28.86 dBm    #Atten 30 dB

#Peak

Log

10

dB/

Offst

8.86

dB

Center 710.000 MHz    Span 10 MHz

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

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

**4.4955 MHz**    **x dB**    -26.00 dB

**Transmit Freq Error**    2.535 kHz

**x dB Bandwidth**    4.992 MHz

**Center Freq**  
710.000000 MHz

**Start Freq**  
705.000000 MHz

**Stop Freq**  
715.000000 MHz

**CF Step**  
1.00000000 MHz  
Auto    Man

**Freq Offset**  
0.00000000 Hz

**Signal Track**  
On    Off

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
710	99	26	0.1	Peak	4.505	4.994	5	Pass

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

**Ch Freq** 710 MHz
**Trig** Free

Occupied Bandwidth Averages: 2

Ref 28.86 dBm    #Atten 30 dB

#Peak Log 10 dB/Offst 8.86 dB

Center 710.000 MHz
Span 10 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
4.5052 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	509.625 Hz	
<b>x dB Bandwidth</b>	4.994 MHz	

**Signal Track**
On Off

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
713.5	99	26	0.1	Peak	4.483	4.987	5	Pass

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

**Ch Freq** 713.5 MHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Ref 28.85 dBm #Atten 30 dB

#Peak

Log 10 dB/Offst 8.85 dB

Center 713.500 MHz Span 10 MHz

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

**Center Freq**  
713.500000 MHz

**Start Freq**  
708.500000 MHz

**Stop Freq**  
718.500000 MHz

**CF Step**  
1.00000000 MHz  
Auto Man

**Freq Offset**  
0.00000000 Hz

**Signal Track**  
On Off

**Occupied Bandwidth**  
4.4829 MHz

**Transmit Freq Error** 4.085 kHz

**x dB Bandwidth** 4.987 MHz

**Occ BW % Pwr** 99.00 %

**x dB** -26.00 dB

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
713.5	99	26	0.1	Peak	4.498	4.996	5	Pass

**Agilent** Freq/Channel

Ch Freq 713.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.85 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.85 dB

Center 713.500 MHz Span 10 MHz

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

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

**4.4976 MHz** x dB -26.00 dB

Transmit Freq Error 9.522 kHz

x dB Bandwidth 4.996 MHz

Center Freq 713.500000 MHz

Start Freq 708.500000 MHz

Stop Freq 718.500000 MHz

CF Step 1.00000000 MHz Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
709	99	26	0.2	Peak	8.97	9.907	10	Pass

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

**Ch Freq** 709 MHz **Trig** Free

Occupied Bandwidth **Averages: 2**

**Center Freq**  
709.000000 MHz

**Start Freq**  
699.000000 MHz

**Stop Freq**  
719.000000 MHz

**CF Step**  
2.00000000 MHz  
Auto Man

**Freq Offset**  
0.00000000 Hz

**Signal Track**  
On Off

Ref 28.85 dBm #Atten 30 dB

Center 709.00 MHz Span 20 MHz  
#Res BW 200 kHz #VBW 620 kHz #Sweep 1 s (500 pts)

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

**8.9703 MHz** **x dB** -26.00 dB

**Transmit Freq Error** -2.828 kHz

**x dB Bandwidth** 9.907 MHz

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
709	99	26	0.2	Peak	8.965	9.902	10	Pass

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

**Ch Freq** 709 MHz **Trig** Free

Occupied Bandwidth Averages: 2

**Center Freq**  
709.000000 MHz

**Start Freq**  
699.000000 MHz

**Stop Freq**  
719.000000 MHz

**CF Step**  
2.00000000 MHz  
Auto Man

**Freq Offset**  
0.00000000 Hz

**Signal Track**  
On Off

Ref 28.85 dBm #Atten 30 dB

Center 709.00 MHz Span 20 MHz  
#Res BW 200 kHz #VBW 620 kHz #Sweep 1 s (500 pts)

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

**8.9655 MHz** **x dB** -26.00 dB

**Transmit Freq Error** -768.014 Hz

**x dB Bandwidth** 9.902 MHz

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
710	99	26	0.2	Peak	8.977	9.968	10	Pass

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

**Ch Freq** 710 MHz
**Trig** Free

Occupied Bandwidth Averages: 2

Ref 28.86 dBm    #Atten 30 dB

#Peak

Log

10

dB/

Offst

8.86

dB

Center 710.00 MHz    Span 20 MHz

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

**Center Freq**  
710.000000 MHz

**Start Freq**  
700.000000 MHz

**Stop Freq**  
720.000000 MHz

**CF Step**  
2.00000000 MHz  
Auto    Man

**Freq Offset**  
0.00000000 Hz

**Signal Track**  
On    Off

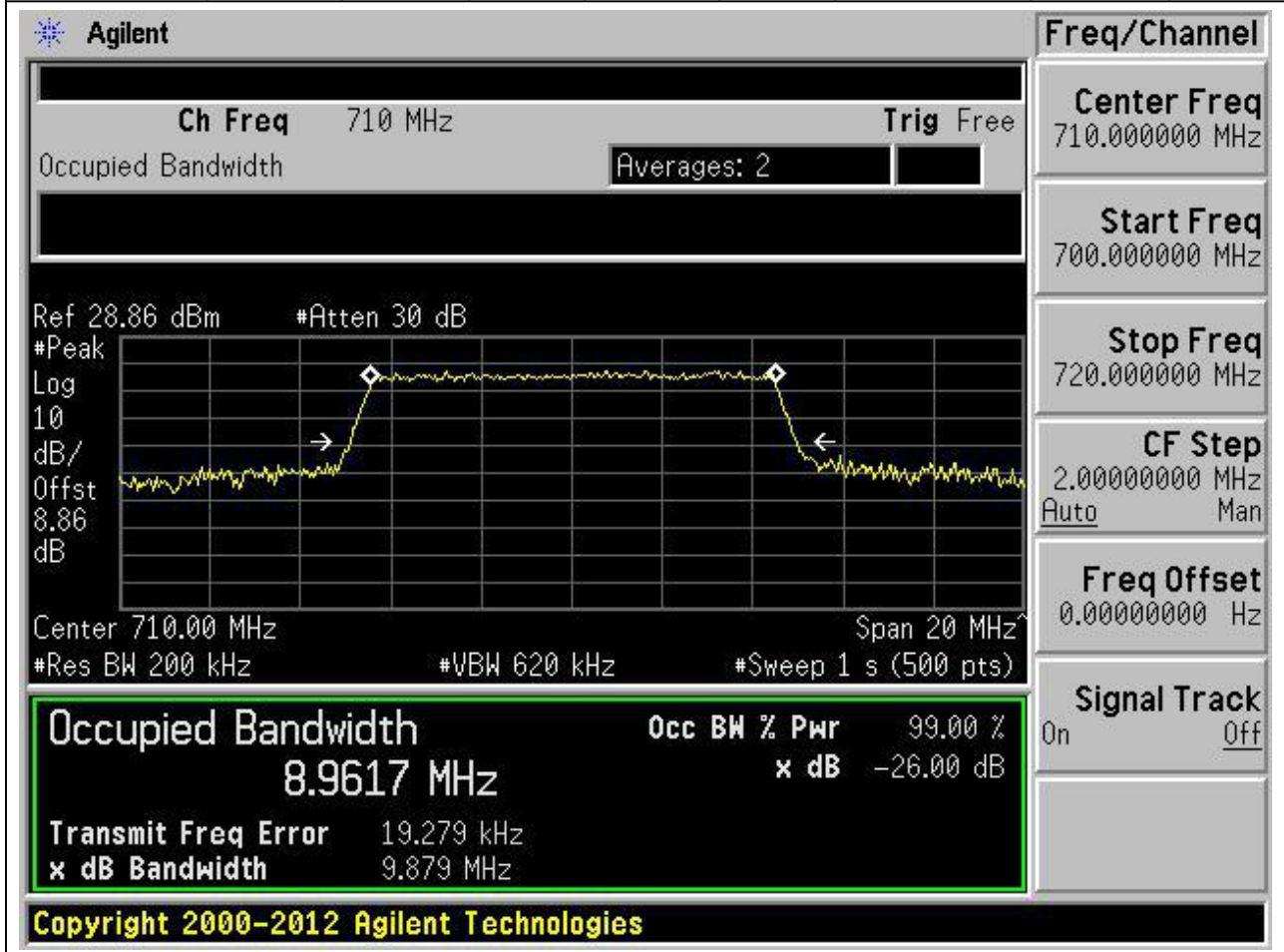
<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
<b>8.9771 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		7.454 kHz
<b>x dB Bandwidth</b>		9.968 MHz

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
710	99	26	0.2	Peak	8.962	9.879	10	Pass



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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
711	99	26	0.2	Peak	8.952	9.849	10	Pass

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

**Ch Freq** 711 MHz
**Trig** Free

Occupied Bandwidth Averages: 2

Ref 28.85 dBm    #Atten 30 dB

#Peak

Log

10

dB/

Offst

8.85

dB

Center 711.00 MHz    Span 20 MHz

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

**Center Freq**  
711.000000 MHz

**Start Freq**  
701.000000 MHz

**Stop Freq**  
721.000000 MHz

**CF Step**  
2.00000000 MHz  
Auto    Man

**Freq Offset**  
0.00000000 Hz

**Signal Track**  
On    Off

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
8.9523 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		7.062 kHz
<b>x dB Bandwidth</b>		9.849 MHz

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
711	99	26	0.2	Peak	8.96	9.839	10	Pass

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

**Ch Freq** 711 MHz
**Trig** Free

Occupied Bandwidth Averages: 2

Ref 28.85 dBm    #Atten 30 dB

#Peak

Log

10

dB/

Offst

8.85

dB

Center 711.00 MHz    Span 20 MHz

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

**Center Freq**  
711.000000 MHz

**Start Freq**  
701.000000 MHz

**Stop Freq**  
721.000000 MHz

**CF Step**  
2.00000000 MHz  
Auto    Man

**Freq Offset**  
0.00000000 Hz

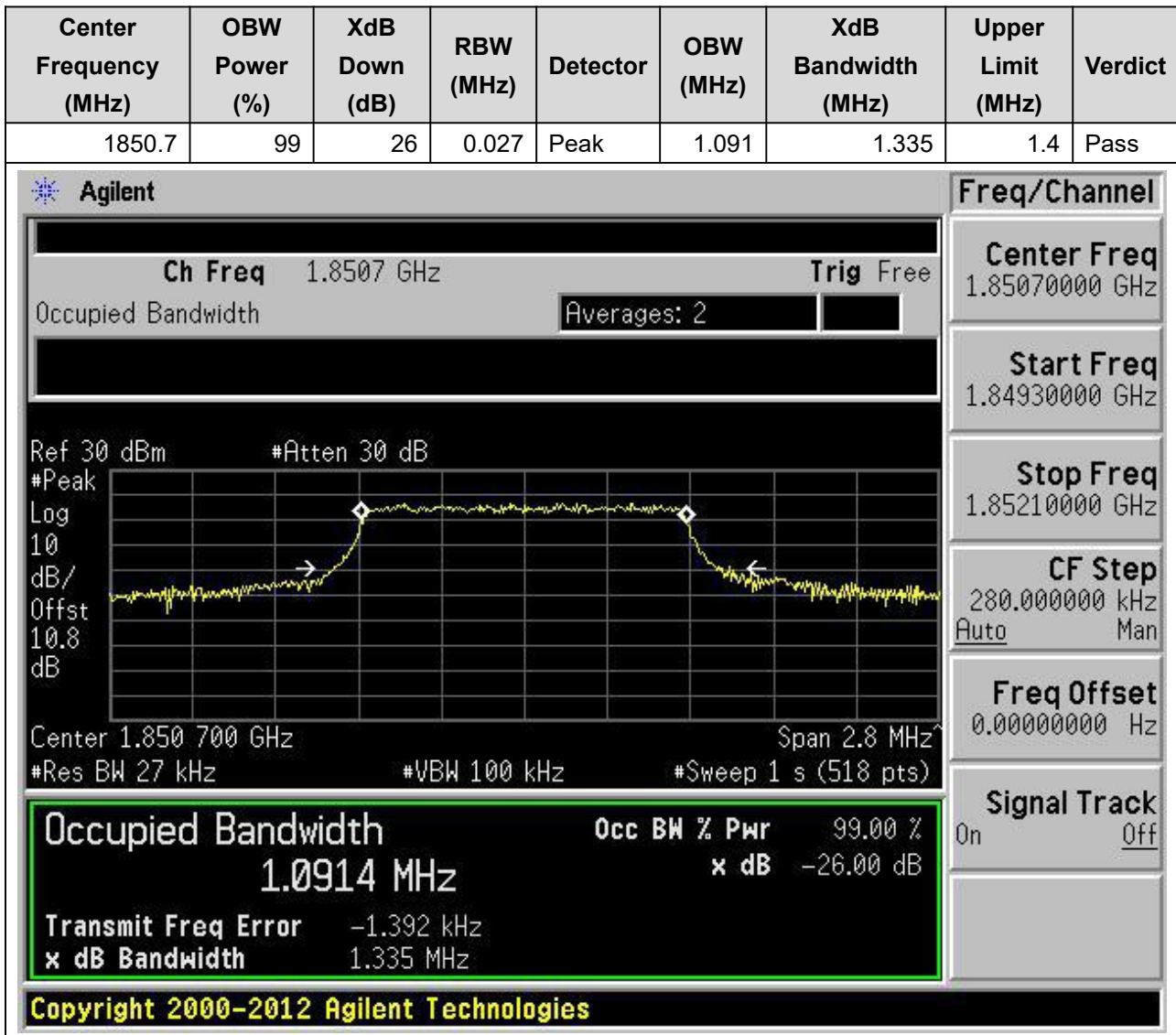
**Signal Track**  
On    Off

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
8.9597 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	12.498 kHz	
<b>x dB Bandwidth</b>	9.839 MHz	

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## 8. LTE\_Band25

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



**8.2. LTE Occupied Bandwidth(NTNV)(Subtest:2, Channel:26047, 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	1.097	1.331	1.4	Pass

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

**Ch Freq** 1.8507 GHz **Trig** Free

Occupied Bandwidth Averages: 2

**Center Freq**  
1.85070000 GHz

**Start Freq**  
1.84930000 GHz

**Stop Freq**  
1.85210000 GHz

**CF Step**  
280.000000 kHz  
Auto Man

**Freq Offset**  
0.00000000 Hz

**Signal Track**  
On Off

Ref 30 dBm #Atten 30 dB

Center 1.850 700 GHz Span 2.8 MHz

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

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

**1.0972 MHz** **x dB** -26.00 dB

**Transmit Freq Error** -2.501 kHz

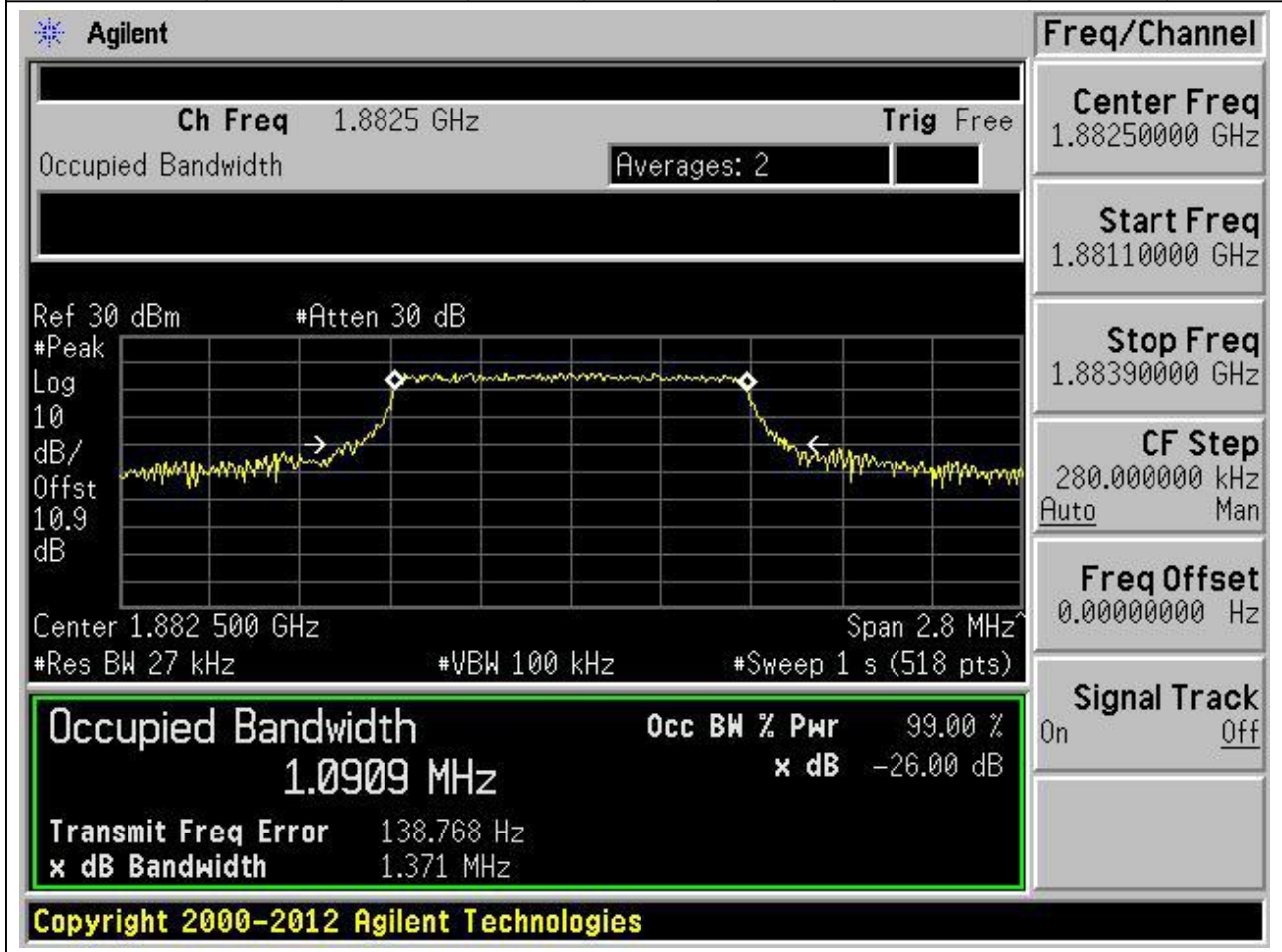
**x dB Bandwidth** 1.331 MHz

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**8.3. LTE Occupied Bandwidth(NTNV)(Subtest:3, Channel:26365, 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
1882.5	99	26	0.027	Peak	1.091	1.371	1.4	Pass



**8.4. LTE Occupied Bandwidth(NTNV)(Subtest:4, Channel:26365, 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
1882.5	99	26	0.027	Peak	1.09	1.326	1.4	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The plot is centered at 1.8825 GHz with a span of 2.8 MHz. The vertical axis is labeled 'Log 10 dB/Offst 10.9 dB'. The horizontal axis is labeled 'Center 1.882 500 GHz' and 'Span 2.8 MHz'. The plot shows a signal with a peak at approximately 1.8825 GHz. The 'Occupied Bandwidth' is highlighted in a green box at the bottom of the plot area, showing a value of 1.0901 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is 842.774 Hz and the 'x dB Bandwidth' is 1.326 MHz. The 'Signal Track' is set to 'Off'. The 'Copyright 2000-2012 Agilent Technologies' is displayed at the bottom.

Occupied Bandwidth		Occ BW % Pwr	99.00 %
1.0901 MHz		x dB	-26.00 dB
Transmit Freq Error		842.774 Hz	
x dB Bandwidth		1.326 MHz	

**8.5. LTE Occupied Bandwidth(NTNV)(Subtest:5, Channel:26683, 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
1914.3	99	26	0.027	Peak	1.093	1.364	1.4	Pass

Agilent
Freq/Channel

Ch Freq 1.9143 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 1.914 300 GHz Span 2.8 MHz

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

Center Freq 1.91430000 GHz

Start Freq 1.91290000 GHz

Stop Freq 1.91570000 GHz

CF Step 280.000000 kHz Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

**Occupied Bandwidth**

**1.0927 MHz**

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -1.008 kHz

x dB Bandwidth 1.364 MHz

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**8.6. LTE Occupied Bandwidth(NTNV)(Subtest:6, Channel:26683, 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
1914.3	99	26	0.027	Peak	1.092	1.34	1.4	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The plot is set to a center frequency of 1.9143 GHz and a span of 2.8 MHz. The vertical axis is labeled 'Log 10 dB/Offst 10.9 dB'. The horizontal axis is labeled 'Center 1.914 300 GHz' and 'Span 2.8 MHz'. The plot shows a signal with a flat top and sloping sides, characteristic of a channel. The top of the plot is labeled 'Ch Freq 1.9143 GHz' and 'Trig Free'. Below the plot, the 'Occupied Bandwidth' is highlighted in a green box, showing a value of 1.0920 MHz. Other parameters shown include 'Ref 30 dBm', '#Atten 30 dB', '#Peak', '#Res BW 27 kHz', '#VBW 100 kHz', and '#Sweep 1 s (518 pts)'. On the right side, there is a 'Freq/Channel' panel with fields for Center Freq (1.91430000 GHz), Start Freq (1.91290000 GHz), Stop Freq (1.91570000 GHz), CF Step (280.000000 kHz), and Freq Offset (0.00000000 Hz). At the bottom, there is a 'Signal Track' panel with 'On' and 'Off' options. The footer of the screenshot reads 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
1.0920 MHz	x dB	-26.00 dB
Transmit Freq Error	467.060 Hz	
x dB Bandwidth	1.340 MHz	

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1851.5	99	26	0.062	Peak	2.705	3.235	3	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The plot is set to a center frequency of 1.8515 GHz and a span of 6 MHz. The vertical axis is labeled 'Log 10 dB/Offst 10.9 dB'. The horizontal axis is labeled 'Center 1.851 500 GHz' and 'Span 6 MHz'. The plot shows a signal with a peak at approximately 1.8515 GHz. The 'Occupied Bandwidth' is highlighted in a green box, showing a value of 2.7052 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is -550.783 Hz and the 'x dB Bandwidth' is 3.235 MHz. The 'Signal Track' is set to 'Off'. The 'Copyright 2000-2012 Agilent Technologies' is displayed at the bottom.

Occupied Bandwidth		Occ BW % Pwr	99.00 %
2.7052 MHz		x dB	-26.00 dB
Transmit Freq Error		-550.783 Hz	
x dB Bandwidth		3.235 MHz	



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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1851.5	99	26	0.062	Peak	2.705	3.108	3	Pass

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

**Ch Freq** 1.8515 GHz **Trig** Free

Occupied Bandwidth Averages: 2

**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

Ref 30 dBm #Atten 30 dB

Center 1.851 500 GHz Span 6 MHz

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

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

**2.7047 MHz** **x dB** -26.00 dB

**Transmit Freq Error** -1.188 kHz

**x dB Bandwidth** 3.108 MHz

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1882.5	99	26	0.062	Peak	2.704	3.308	3	Pass

Agilent
Freq/Channel

Ch Freq 1.8825 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 1.882 500 GHz Span 6 MHz

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

Center Freq 1.88250000 GHz

Start Freq 1.87950000 GHz

Stop Freq 1.88550000 GHz

CF Step 600.000000 kHz  
Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

**Occupied Bandwidth**

**2.7041 MHz**

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -2.805 kHz

x dB Bandwidth 3.308 MHz

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1882.5	99	26	0.062	Peak	2.702	3.222	3	Pass

Agilent
Freq/Channel

Ch Freq 1.8825 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.9 dB

Center 1.882 500 GHz Span 6 MHz

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

Center Freq 1.88250000 GHz

Start Freq 1.87950000 GHz

Stop Freq 1.88550000 GHz

CF Step 600.000000 kHz Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

Occupied Bandwidth	Occ BW % Pwr	99.00 %
2.7020 MHz	x dB	-26.00 dB
Transmit Freq Error -3.143 kHz		
x dB Bandwidth 3.222 MHz		

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1913.5	99	26	0.062	Peak	2.702	3.209	3	Pass

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

**Ch Freq** 1.9135 GHz **Trig** Free

Occupied Bandwidth Averages: 2

**Center Freq**  
1.91350000 GHz

**Start Freq**  
1.91050000 GHz

**Stop Freq**  
1.91650000 GHz

**CF Step**  
600.000000 kHz  
Auto Man

**Freq Offset**  
0.00000000 Hz

**Signal Track**  
On Off

Ref 30 dBm #Atten 30 dB

Center 1.913 500 GHz Span 6 MHz

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

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

**2.7021 MHz** **x dB** -26.00 dB

**Transmit Freq Error** -4.842 kHz

**x dB Bandwidth** 3.209 MHz

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1913.5	99	26	0.062	Peak	2.7	3.002	3	Pass

**Agilent**

Ch Freq 1.9135 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.9 dB

Center 1.913 500 GHz Span 6 MHz

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

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

2.6998 MHz x dB -26.00 dB

Transmit Freq Error -4.432 kHz

x dB Bandwidth 3.002 MHz

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**Freq/Channel**

Center Freq 1.91350000 GHz

Start Freq 1.91050000 GHz

Stop Freq 1.91650000 GHz

CF Step 600.000000 kHz Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off



**8.13. LTE Occupied Bandwidth(NTNV)(Subtest:13, Channel:26065, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1852.5	99	26	0.1	Peak	4.508	4.974	5	Pass

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

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

Occupied Bandwidth
Averages: 2

Ref 30 dBm      #Atten 30 dB

#Peak

Log

10

dB/

Offst

10.9

dB

Center 1.852 500 GHz      Span 10 MHz

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

**Occupied Bandwidth**

4.5084 MHz

**Transmit Freq Error**    -2.137 kHz

**x dB Bandwidth**        4.974 MHz

**Occ BW % Pwr**    99.00 %

**x dB**                -26.00 dB

**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

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1852.5	99	26	0.1	Peak	4.499	5.066	5	Pass

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

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

Occupied Bandwidth Averages: 2

**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

Ref 30 dBm #Atten 30 dB

Center 1.852 500 GHz Span 10 MHz

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

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

**4.4993 MHz** **x dB** -26.00 dB

**Transmit Freq Error** -3.251 kHz

**x dB Bandwidth** 5.066 MHz

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1882.5	99	26	0.1	Peak	4.504	5.135	5	Pass

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

**Ch Freq** 1.8825 GHz **Trig** Free

Occupied Bandwidth **Averages: 2**

**Center Freq**  
1.88250000 GHz

**Start Freq**  
1.87750000 GHz

**Stop Freq**  
1.88750000 GHz

**CF Step**  
1.00000000 MHz  
Auto Man

**Freq Offset**  
0.00000000 Hz

**Signal Track**  
On Off

Ref 30 dBm #Atten 30 dB

Center 1.882 500 GHz Span 10 MHz

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

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

**4.5042 MHz** **x dB** -26.00 dB

**Transmit Freq Error** -907.201 Hz

**x dB Bandwidth** 5.135 MHz

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**8.16. LTE Occupied Bandwidth(NTNV)(Subtest:16, Channel:26365, 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
1882.5	99	26	0.1	Peak	4.51	5.173	5	Pass

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

**Ch Freq** 1.8825 GHz
**Trig** Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 10.9 dB

Center 1.882 500 GHz
Span 10 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
4.5098 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		-2.254 kHz
<b>x dB Bandwidth</b>		5.173 MHz

**CF Step** 1.00000000 MHz
Auto Man

**Freq Offset** 0.00000000 Hz

**Signal Track**
On Off

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1912.5	99	26	0.1	Peak	4.483	5.011	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 1.9125 GHz. The occupied bandwidth is highlighted as 4.4834 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The plot also shows the transmit frequency error as -6.432 Hz and the XdB bandwidth as 5.011 MHz. The interface includes various control panels for frequency, power, and bandwidth, as well as a status bar at the bottom.

Occupied Bandwidth		Occ BW % Pwr	99.00 %
4.4834 MHz		x dB	-26.00 dB
Transmit Freq Error		-6.432 Hz	
x dB Bandwidth		5.011 MHz	

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**8.18. LTE Occupied Bandwidth(NTNV)(Subtest:18, Channel:26665, 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
1912.5	99	26	0.1	Peak	4.502	5.118	5	Pass

Agilent
Freq/Channel

Ch Freq 1.9125 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 1.912 500 GHz Span 10 MHz

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

Center Freq 1.91250000 GHz

Start Freq 1.90750000 GHz

Stop Freq 1.91750000 GHz

CF Step 1.00000000 MHz  
Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

**Occupied Bandwidth**

**4.5022 MHz**

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -299.339 Hz

x dB Bandwidth 5.118 MHz

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1855	99	26	0.2	Peak	8.984	9.933	10	Pass

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

**Ch Freq** 1.855 GHz
**Trig** Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.9 dB

Center 1.855 00 GHz Span 20 MHz

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

**Center Freq**  
1.85500000 GHz

**Start Freq**  
1.84500000 GHz

**Stop Freq**  
1.86500000 GHz

**CF Step**  
2.00000000 MHz  
Auto Man

**Freq Offset**  
0.00000000 Hz

**Signal Track**  
On Off

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
8.9836 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	10.556 kHz	
<b>x dB Bandwidth</b>	9.933 MHz	

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1855	99	26	0.2	Peak	8.966	9.92	10	Pass

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

**Ch Freq** 1.855 GHz **Trig** Free

Occupied Bandwidth **Averages: 2**

**Center Freq**  
1.85500000 GHz

**Start Freq**  
1.84500000 GHz

**Stop Freq**  
1.86500000 GHz

**CF Step**  
2.00000000 MHz  
Auto Man

**Freq Offset**  
0.00000000 Hz

**Signal Track**  
On Off

Ref 30 dBm #Atten 30 dB

Center 1.855 00 GHz Span 20 MHz

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

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

**8.9664 MHz** **x dB** -26.00 dB

**Transmit Freq Error** 12.028 kHz

**x dB Bandwidth** 9.920 MHz

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1882.5	99	26	0.2	Peak	8.953	10.082	10	Pass

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

**Ch Freq** 1.8825 GHz **Trig** Free

Occupied Bandwidth **Averages: 2**

**Center Freq**  
1.88250000 GHz

**Start Freq**  
1.87250000 GHz

**Stop Freq**  
1.89250000 GHz

**CF Step**  
2.00000000 MHz  
Auto Man

**Freq Offset**  
0.00000000 Hz

**Signal Track**  
On Off

Ref 30 dBm #Atten 30 dB

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

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

**8.9530 MHz** **x dB** -26.00 dB

**Transmit Freq Error** -7.047 kHz

**x dB Bandwidth** 10.082 MHz

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1882.5	99	26	0.2	Peak	8.964	10.058	10	Pass

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

**Ch Freq** 1.8825 GHz **Trig** Free

Occupied Bandwidth **Averages: 2**

**Center Freq**  
1.88250000 GHz

**Start Freq**  
1.87250000 GHz

**Stop Freq**  
1.89250000 GHz

**CF Step**  
2.00000000 MHz  
Auto Man

**Freq Offset**  
0.00000000 Hz

**Signal Track**  
On Off

Ref 30 dBm #Atten 30 dB

Center 1.882 50 GHz Span 20 MHz

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

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

**8.9638 MHz** **x dB** -26.00 dB

**Transmit Freq Error** -5.162 kHz

**x dB Bandwidth** 10.058 MHz

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1910	99	26	0.2	Peak	8.959	10.002	10	Pass

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

**Ch Freq** 1.91 GHz **Trig** Free

Occupied Bandwidth **Averages: 2**

**Center Freq**  
1.91000000 GHz

**Start Freq**  
1.90000000 GHz

**Stop Freq**  
1.92000000 GHz

**CF Step**  
2.00000000 MHz  
Auto Man

**Freq Offset**  
0.00000000 Hz

**Signal Track**  
On Off

Ref 30 dBm #Atten 30 dB

Center 1.910 00 GHz Span 20 MHz

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

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

**8.9589 MHz** **x dB** -26.00 dB

**Transmit Freq Error** -3.982 kHz

**x dB Bandwidth** 10.002 MHz

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1910	99	26	0.2	Peak	8.949	9.885	10	Pass

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

**Ch Freq** 1.91 GHz **Trig** Free

Occupied Bandwidth **Averages: 2**

**Center Freq**  
1.91000000 GHz

**Start Freq**  
1.90000000 GHz

**Stop Freq**  
1.92000000 GHz

**CF Step**  
2.00000000 MHz  
Auto Man

**Freq Offset**  
0.00000000 Hz

**Signal Track**  
On Off

Ref 30 dBm #Atten 30 dB

Center 1.910 00 GHz Span 20 MHz  
#Res BW 200 kHz #VBW 620 kHz #Sweep 1 s (500 pts)

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

**8.9488 MHz** **x dB** -26.00 dB

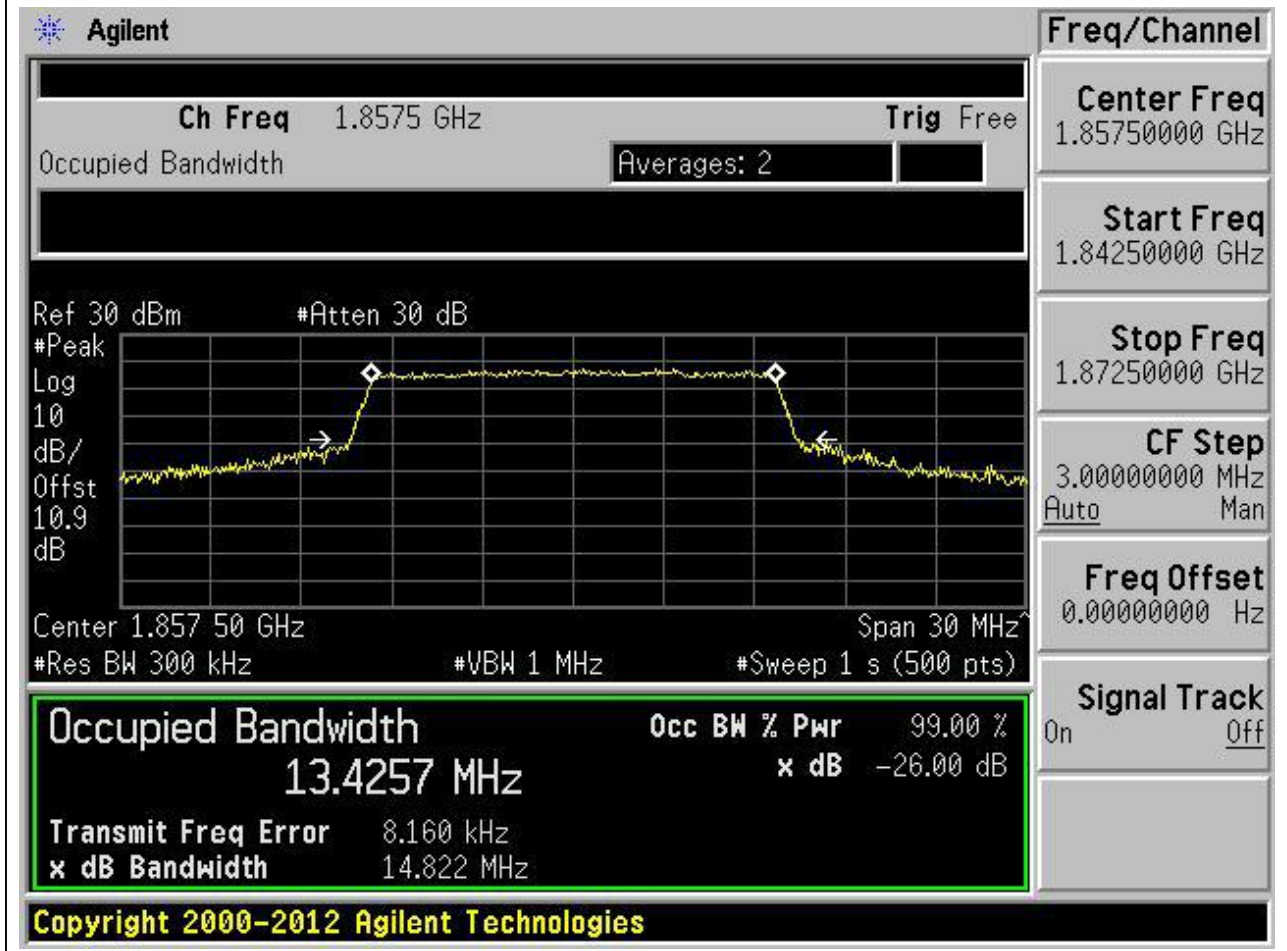
**Transmit Freq Error** -11.048 kHz

**x dB Bandwidth** 9.885 MHz

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1857.5	99	26	0.3	Peak	13.426	14.822	15	Pass



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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1857.5	99	26	0.3	Peak	13.44	15.146	15	Pass

Agilent
Freq/Channel

Ch Freq 1.8575 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.9 dB

Center 1.857 50 GHz Span 30 MHz

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

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

**13.4400 MHz** x dB -26.00 dB

Transmit Freq Error 17.303 kHz

x dB Bandwidth 15.146 MHz

Signal Track
On Off

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1882.5	99	26	0.3	Peak	13.384	14.747	15	Pass

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

**Ch Freq** 1.8825 GHz **Trig** Free

Occupied Bandwidth **Averages:** 2

**Center Freq**  
1.88250000 GHz

**Start Freq**  
1.86750000 GHz

**Stop Freq**  
1.89750000 GHz

**CF Step**  
3.00000000 MHz  
Auto Man

**Freq Offset**  
0.00000000 Hz

**Signal Track**  
On Off

Ref 30 dBm #Atten 30 dB

Center 1.882 50 GHz Span 30 MHz

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

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

**13.3839 MHz** **x dB** -26.00 dB

**Transmit Freq Error** -13.116 kHz

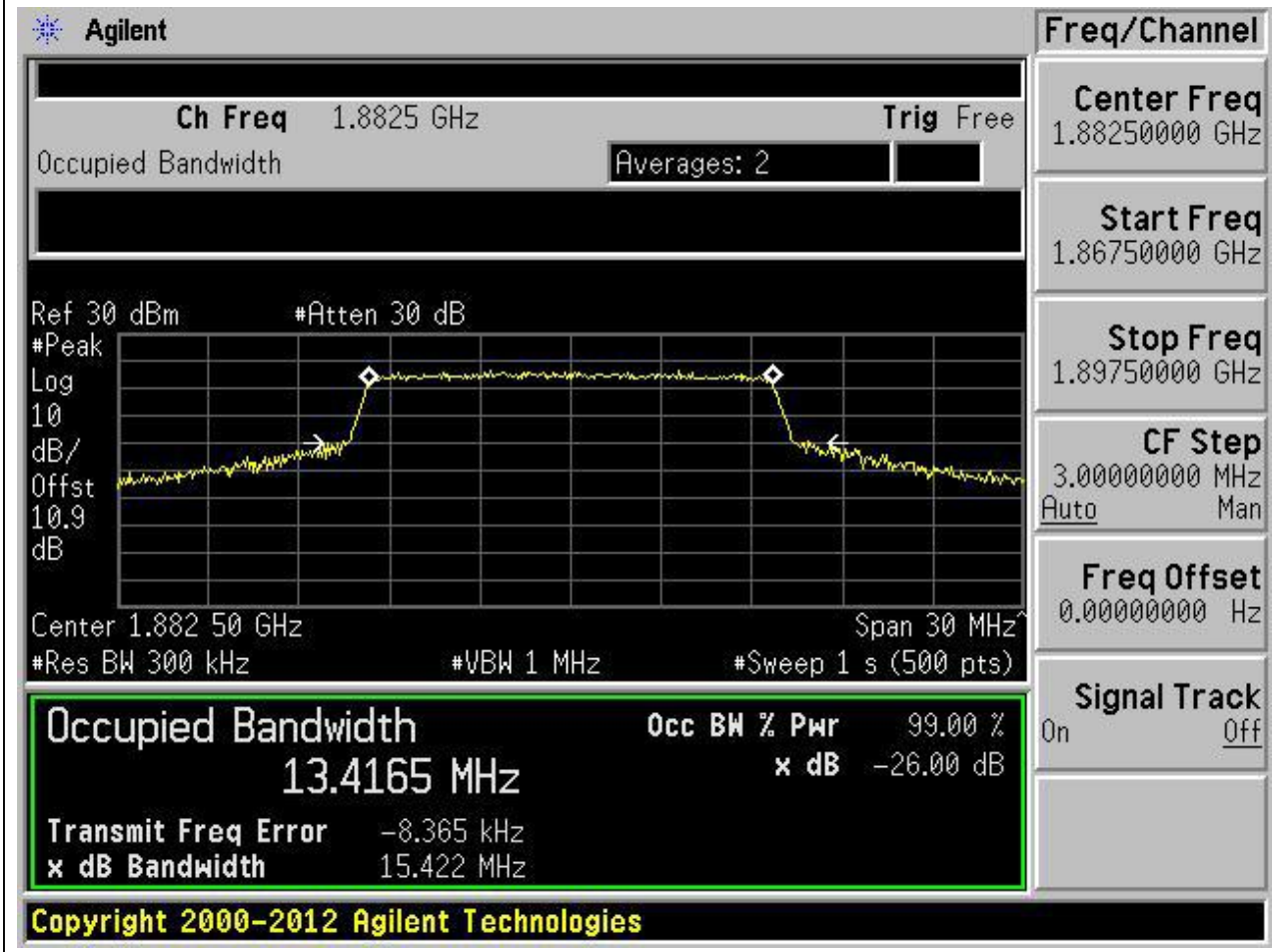
**x dB Bandwidth** 14.747 MHz

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1882.5	99	26	0.3	Peak	13.416	15.422	15	Pass



**8.29. LTE Occupied Bandwidth(NTNV)(Subtest:29, Channel:26615, 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
1907.5	99	26	0.3	Peak	13.416	15.059	15	Pass

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

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

Occupied Bandwidth **Averages: 2**

**Center Freq**  
1.90750000 GHz

**Start Freq**  
1.89250000 GHz

**Stop Freq**  
1.92250000 GHz

**CF Step**  
3.00000000 MHz  
Auto Man

**Freq Offset**  
0.00000000 Hz

**Signal Track**  
On Off

Ref 30 dBm #Atten 30 dB

Center 1.907 50 GHz Span 30 MHz  
#Res BW 300 kHz #VBW 1 MHz #Sweep 1 s (500 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
13.4162 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	-24.865 kHz	
<b>x dB Bandwidth</b>	15.059 MHz	

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1907.5	99	26	0.3	Peak	13.432	15.644	15	Pass

Agilent
Freq/Channel

Ch Freq 1.9075 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.9 dB

Center 1.907 50 GHz Span 30 MHz

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

Center Freq 1.90750000 GHz

Start Freq 1.89250000 GHz

Stop Freq 1.92250000 GHz

CF Step 3.00000000 MHz  
Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

**Occupied Bandwidth**

**13.4324 MHz**

Occ BW % Pwr 99.00 %

x dB -26.00 dB

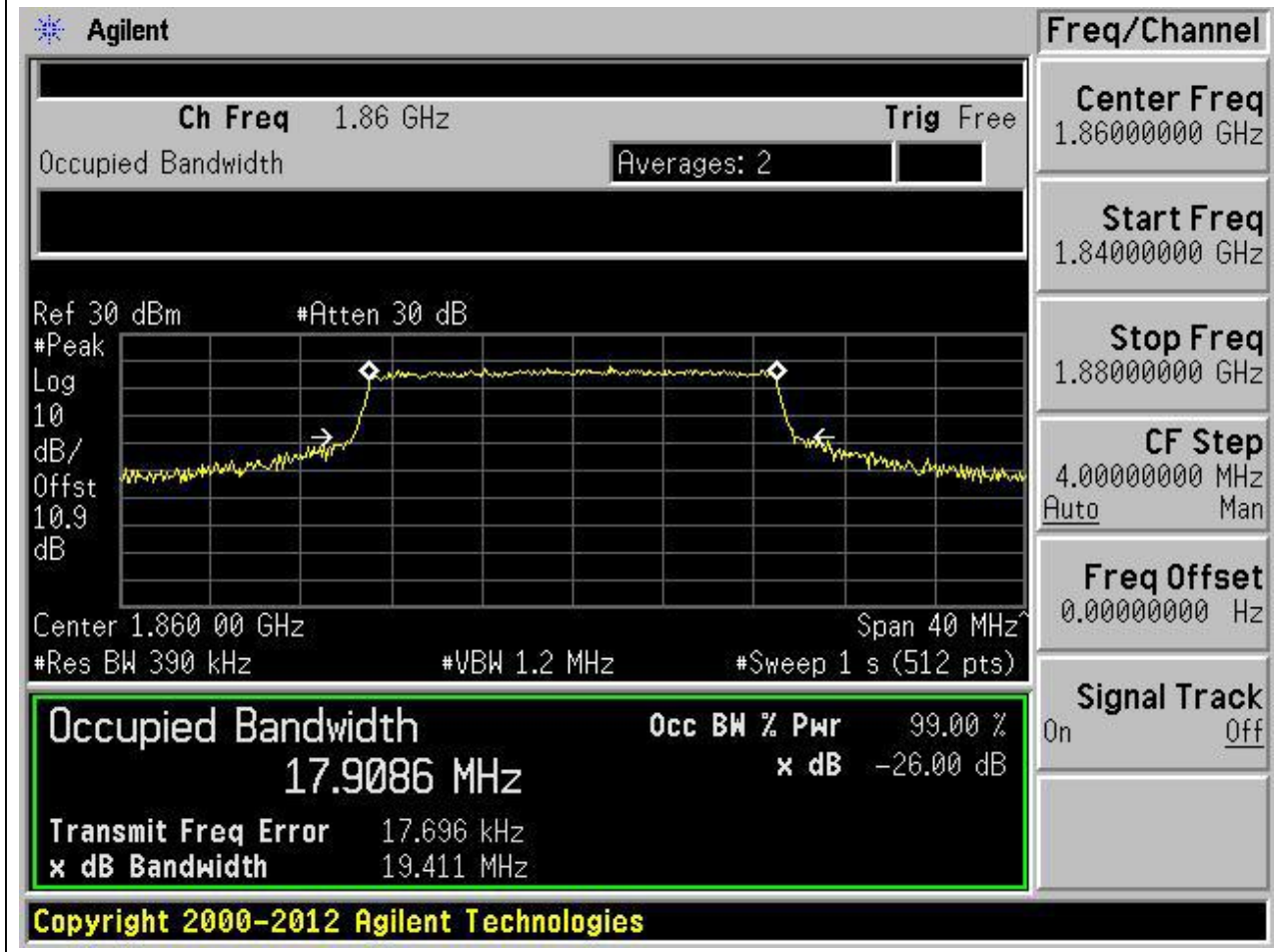
Transmit Freq Error -8.561 kHz

x dB Bandwidth 15.644 MHz

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1860	99	26	0.39	Peak	17.909	19.411	20	Pass



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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1860	99	26	0.39	Peak	17.908	21.064	20	Pass

