

12.9. LTE Occupied Bandwidth(NTNV)(Subtest:9, Channel:133297, 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
680.5	99	26	0.2	Peak	8.962	9.864	10	Pass

Agilent
Freq/Channel

Ch Freq 680.5 MHz
Trig Free

Occupied Bandwidth Averages: 2

Ref 28.79 dBm #Atten 30 dB

#Peak

Log

10

dB/

Offst

8.79

dB

Center 680.50 MHz Span 20 MHz

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

Center Freq
680.500000 MHz

Start Freq
670.500000 MHz

Stop Freq
690.500000 MHz

CF Step
2.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth	Occ BW % Pwr	99.00 %
8.9620 MHz	x dB	-26.00 dB
Transmit Freq Error		-20.077 kHz
x dB Bandwidth		9.864 MHz

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12.10. LTE Occupied Bandwidth(NTNV)(Subtest:10, Channel:133297, 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
680.5	99	26	0.2	Peak	8.971	9.908	10	Pass

Agilent
Freq/Channel

Ch Freq 680.5 MHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Center Freq
680.500000 MHz

Start Freq
670.500000 MHz

Stop Freq
690.500000 MHz

CF Step
2.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Ref 28.79 dBm #Atten 30 dB

Center 680.50 MHz Span 20 MHz
#Res BW 200 kHz #VBW 620 kHz #Sweep 1 s (500 pts)

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

8.9708 MHz **x dB** -26.00 dB

Transmit Freq Error -24.010 kHz

x dB Bandwidth 9.908 MHz

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12.11. LTE Occupied Bandwidth(NTNV)(Subtest:11, Channel:133422, 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
693	99	26	0.2	Peak	8.935	9.884	10	Pass

Agilent
Freq/Channel

Ch Freq 693 MHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Center Freq
693.000000 MHz

Start Freq
683.000000 MHz

Stop Freq
703.000000 MHz

CF Step
2.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Ref 28.81 dBm #Atten 30 dB

Center 693.00 MHz Span 20 MHz
#Res BW 200 kHz #VBW 620 kHz #Sweep 1 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
8.9350 MHz	x dB	-26.00 dB
Transmit Freq Error		-5.167 kHz
x dB Bandwidth		9.884 MHz

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12.12. LTE Occupied Bandwidth(NTNV)(Subtest:12, Channel:133422, 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
693	99	26	0.2	Peak	8.955	9.843	10	Pass

Agilent
Freq/Channel

Ch Freq 693 MHz
Trig Free

Occupied Bandwidth Averages: 2

Ref 28.81 dBm #Atten 30 dB

#Peak

Log

10

dB/

Offst

8.81

dB

Center 693.00 MHz Span 20 MHz

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

Center Freq
693.000000 MHz

Start Freq
683.000000 MHz

Stop Freq
703.000000 MHz

CF Step
2.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth	Occ BW % Pwr	99.00 %
8.9554 MHz	x dB	-26.00 dB
Transmit Freq Error		-12.459 kHz
x dB Bandwidth		9.843 MHz

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12.13. LTE Occupied Bandwidth(NTNV)(Subtest:13, Channel:133197, 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
670.5	99	26	0.3	Peak	13.426	14.763	15	Pass

Agilent
Freq/Channel

Ch Freq 670.5 MHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Center Freq
670.500000 MHz

Start Freq
655.500000 MHz

Stop Freq
685.500000 MHz

CF Step
3.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Ref 28.72 dBm #Atten 30 dB

Center 670.50 MHz Span 30 MHz
#Res BW 300 kHz #VBW 1 MHz #Sweep 1 s (500 pts)

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

13.4260 MHz **x dB** -26.00 dB

Transmit Freq Error 24.992 kHz

x dB Bandwidth 14.763 MHz

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12.14. LTE Occupied Bandwidth(NTNV)(Subtest:14, Channel:133197, 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
670.5	99	26	0.3	Peak	13.409	14.641	15	Pass

Agilent
Freq/Channel

Ch Freq 670.5 MHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Center Freq
670.500000 MHz

Start Freq
655.500000 MHz

Stop Freq
685.500000 MHz

CF Step
3.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Ref 28.72 dBm #Atten 30 dB

Center 670.50 MHz Span 30 MHz
#Res BW 300 kHz #VBW 1 MHz #Sweep 1 s (500 pts)

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

13.4088 MHz **x dB** -26.00 dB

Transmit Freq Error 27.222 kHz

x dB Bandwidth 14.641 MHz

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12.15. LTE Occupied Bandwidth(NTNV)(Subtest:15, Channel:133297, 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
680.5	99	26	0.3	Peak	13.382	14.609	15	Pass

Agilent
Freq/Channel

Ch Freq 680.5 MHz **Trig** Free

Occupied Bandwidth **Averages:** 2

Center Freq
680.500000 MHz

Start Freq
665.500000 MHz

Stop Freq
695.500000 MHz

CF Step
3.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Ref 28.79 dBm #Atten 30 dB

Center 680.50 MHz Span 30 MHz
#Res BW 300 kHz #VBW 1 MHz #Sweep 1 s (500 pts)

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

13.3825 MHz **x dB** -26.00 dB

Transmit Freq Error -7.304 kHz

x dB Bandwidth 14.609 MHz

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12.16. LTE Occupied Bandwidth(NTNV)(Subtest:16, Channel:133297, 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
680.5	99	26	0.3	Peak	13.399	14.649	15	Pass

Agilent
Freq/Channel

Ch Freq 680.5 MHz
Trig Free

Occupied Bandwidth Averages: 2

Ref 28.79 dBm #Atten 30 dB

#Peak

Log

10

dB/

Offst

8.79

dB

Center 680.50 MHz Span 30 MHz

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

Center Freq
680.500000 MHz

Start Freq
665.500000 MHz

Stop Freq
695.500000 MHz

CF Step
3.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth	Occ BW % Pwr 99.00 %
13.3993 MHz	x dB -26.00 dB
Transmit Freq Error	-5.208 kHz
x dB Bandwidth	14.649 MHz

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12.17. LTE Occupied Bandwidth(NTNV)(Subtest:17, Channel:133397, 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
690.5	99	26	0.3	Peak	13.379	14.761	15	Pass

Agilent
Freq/Channel

Ch Freq 690.5 MHz
Trig Free

Occupied Bandwidth Averages: 2

Ref 28.81 dBm #Atten 30 dB

#Peak

Log

10

dB/

Offst

8.81

dB

Center 690.50 MHz Span 30 MHz

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

Center Freq
690.500000 MHz

Start Freq
675.500000 MHz

Stop Freq
705.500000 MHz

CF Step
3.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth	Occ BW % Pwr 99.00 %
13.3791 MHz	x dB -26.00 dB
Transmit Freq Error	-4.013 kHz
x dB Bandwidth	14.761 MHz

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12.18. LTE Occupied Bandwidth(NTNV)(Subtest:18, Channel:133397, 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
690.5	99	26	0.3	Peak	13.399	14.649	15	Pass

Agilent
Freq/Channel

Ch Freq 690.5 MHz
Trig Free

Occupied Bandwidth Averages: 2

Ref 28.81 dBm #Atten 30 dB

#Peak

Log

10

dB/

Offst

8.81

dB

Center 690.50 MHz Span 30 MHz

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

Center Freq
690.500000 MHz

Start Freq
675.500000 MHz

Stop Freq
705.500000 MHz

CF Step
3.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth	Occ BW % Pwr	99.00 %
13.3987 MHz	x dB	-26.00 dB
Transmit Freq Error	6.031 kHz	
x dB Bandwidth	14.649 MHz	

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12.19. LTE Occupied Bandwidth(NTNV)(Subtest:19, Channel:133222, 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
673	99	26	0.39	Peak	17.817	19.351	20	Pass

Agilent
Freq/Channel

Ch Freq 673 MHz
Trig Free

Occupied Bandwidth Averages: 2

Ref 28.74 dBm #Atten 30 dB

#Peak

Log

10

dB/

Offst

8.74

dB

Center 673.00 MHz Span 40 MHz

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

Center Freq
673.000000 MHz

Start Freq
653.000000 MHz

Stop Freq
693.000000 MHz

CF Step
4.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth	Occ BW % Pwr	99.00 %
17.8170 MHz	x dB	-26.00 dB
Transmit Freq Error	16.077 kHz	
x dB Bandwidth	19.351 MHz	

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12.20. LTE Occupied Bandwidth(NTNV)(Subtest:20, Channel:133222, 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
673	99	26	0.39	Peak	17.853	19.305	20	Pass

Agilent
Freq/Channel

Ch Freq 673 MHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 28.74 dBm #Atten 30 dB

#Peak

Log

10

dB/

Offst

8.74

dB

Center 673.00 MHz Span 40 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
17.8527 MHz	x dB -26.00 dB
Transmit Freq Error 22.962 kHz	
x dB Bandwidth 19.305 MHz	

Signal Track

On Off

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12.21. LTE Occupied Bandwidth(NTNV)(Subtest:21, Channel:133297, 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
680.5	99	26	0.39	Peak	17.845	19.337	20	Pass

Agilent
Freq/Channel

Ch Freq 680.5 MHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 28.79 dBm #Atten 30 dB

#Peak

Log

10

dB/

Offst

8.79

dB

Center 680.50 MHz Span 40 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

17.8450 MHz x dB -26.00 dB

Transmit Freq Error 31.238 kHz

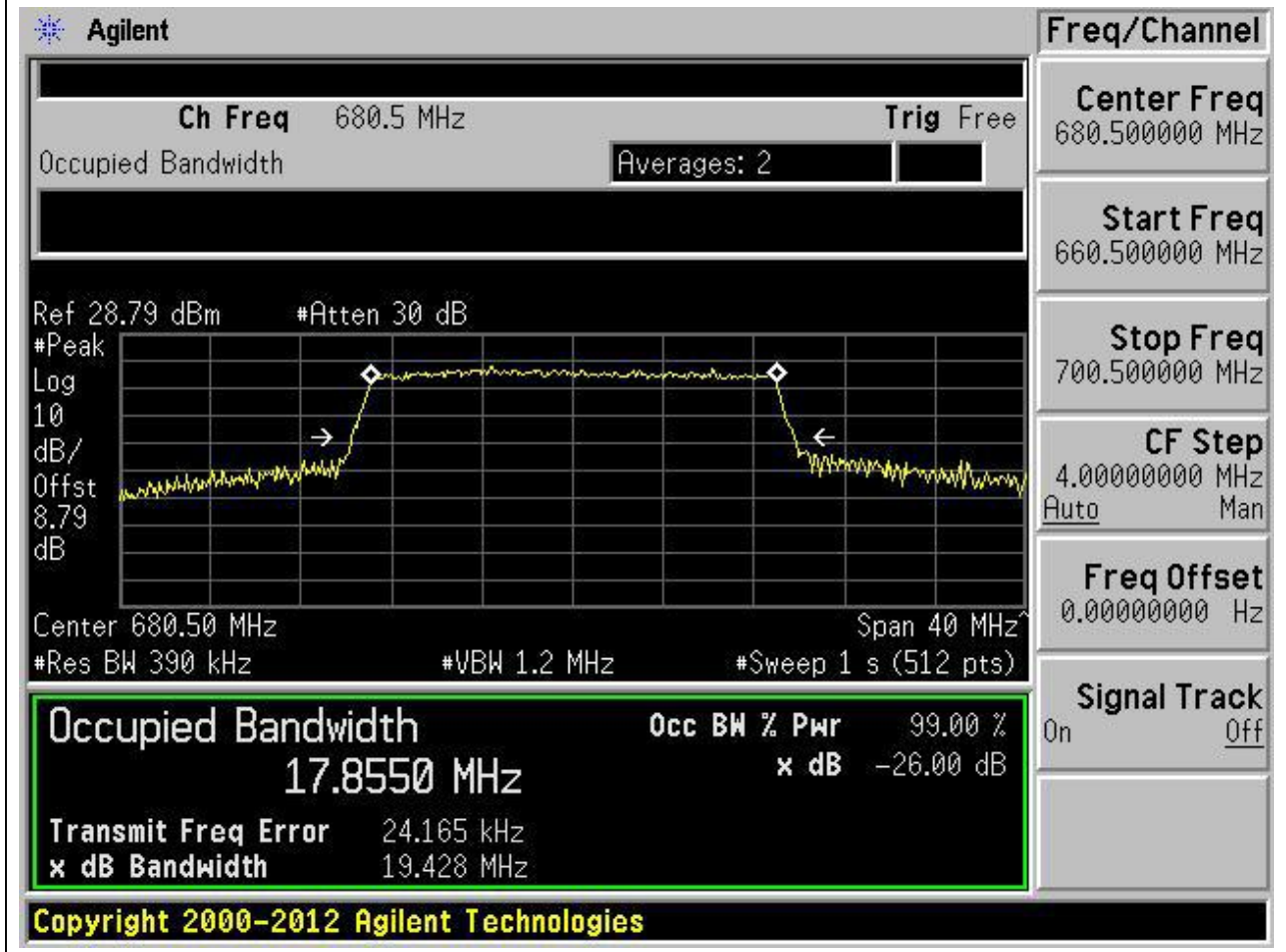
x dB Bandwidth 19.337 MHz

Signal Track
On Off

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12.22. LTE Occupied Bandwidth(NTNV)(Subtest:22, Channel:133297, 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
680.5	99	26	0.39	Peak	17.855	19.428	20	Pass



12.23. LTE Occupied Bandwidth(NTNV)(Subtest:23, Channel:133372, 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
688	99	26	0.39	Peak	17.861	19.43	20	Pass

Agilent
Freq/Channel

Ch Freq 688 MHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Center Freq
688.000000 MHz

Start Freq
668.000000 MHz

Stop Freq
708.000000 MHz

CF Step
4.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Ref 28.81 dBm #Atten 30 dB

Center 688.00 MHz Span 40 MHz
#Res BW 390 kHz #VBW 1.2 MHz #Sweep 1 s (512 pts)

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

17.8605 MHz **x dB** -26.00 dB

Transmit Freq Error -25.770 kHz

x dB Bandwidth 19.430 MHz

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12.24. LTE Occupied Bandwidth(NTNV)(Subtest:24, Channel:133372, 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
688	99	26	0.39	Peak	17.891	19.404	20	Pass

Agilent
Freq/Channel

Ch Freq 688 MHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Center Freq
688.000000 MHz

Start Freq
668.000000 MHz

Stop Freq
708.000000 MHz

CF Step
4.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Ref 28.81 dBm #Atten 30 dB

Center 688.00 MHz Span 40 MHz
#Res BW 390 kHz #VBW 1.2 MHz #Sweep 1 s (512 pts)

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

17.8910 MHz **x dB** -26.00 dB

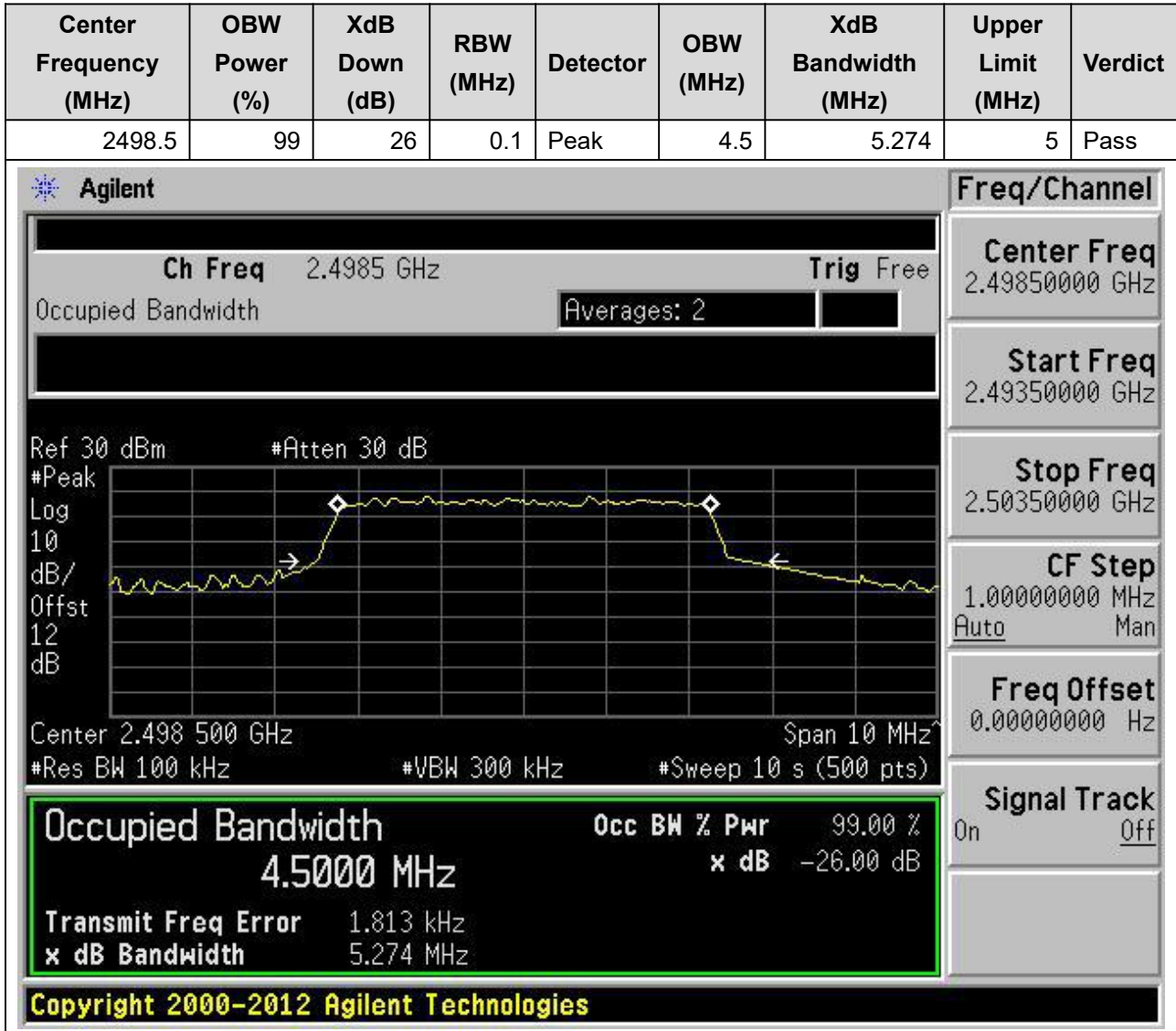
Transmit Freq Error -1.799 kHz

x dB Bandwidth 19.404 MHz

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13. LTE_Band41 full

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



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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2498.5	99	26	0.1	Peak	4.505	5.133	5	Pass

Agilent
Freq/Channel

Ch Freq 2.4985 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 12 dB

Center 2.498 500 GHz Span 10 MHz

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

Center Freq 2.49850000 GHz

Start Freq 2.49350000 GHz

Stop Freq 2.50350000 GHz

CF Step 1.00000000 MHz
Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

Occupied Bandwidth

4.5049 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -1.878 kHz

x dB Bandwidth 5.133 MHz

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2593	99	26	0.1	Peak	4.496	4.956	5	Pass

Agilent
Freq/Channel

Ch Freq 2.593 GHz **Trig** Free

Occupied Bandwidth Averages: 2

Center Freq
2.59300000 GHz

Start Freq
2.58800000 GHz

Stop Freq
2.59800000 GHz

CF Step
1.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Ref 30 dBm #Atten 30 dB

Center 2.593 000 GHz Span 10 MHz

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

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

4.4959 MHz **x dB** -26.00 dB

Transmit Freq Error 519.463 Hz

x dB Bandwidth 4.956 MHz

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13.4. LTE Occupied Bandwidth(NTNV)(Subtest:4, Channel:40620, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2593	99	26	0.1	Peak	4.49	5.04	5	Pass

Agilent
Freq/Channel

Ch Freq 2.593 GHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 12.1 dB

Center 2.593 000 GHz Span 10 MHz

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

Center Freq
2.59300000 GHz

Start Freq
2.58800000 GHz

Stop Freq
2.59800000 GHz

CF Step
1.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth
4.4902 MHz

Transmit Freq Error -2.969 kHz

x dB Bandwidth 5.040 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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13.5. LTE Occupied Bandwidth(NTNV)(Subtest:5, Channel:41565, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2687.5	99	26	0.1	Peak	4.487	5.042	5	Pass

Agilent
Freq/Channel

Ch Freq 2.6875 GHz Trig Free

Occupied Bandwidth Averages: 2

Center Freq 2.68750000 GHz

Start Freq 2.68250000 GHz

Stop Freq 2.69250000 GHz

CF Step 1.00000000 MHz
Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

Occupied Bandwidth

4.4867 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error 5.246 kHz

x dB Bandwidth 5.042 MHz

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13.6. LTE Occupied Bandwidth(NTNV)(Subtest:6, Channel:41565, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2687.5	99	26	0.1	Peak	4.501	5.028	5	Pass

Agilent
Freq/Channel

Ch Freq 2.6875 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 12.1 dB

Center 2.687 500 GHz Span 10 MHz

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

Center Freq 2.68750000 GHz

Start Freq 2.68250000 GHz

Stop Freq 2.69250000 GHz

CF Step 1.00000000 MHz
Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

Occupied Bandwidth

4.5008 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error 1.566 kHz

x dB Bandwidth 5.028 MHz

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2501	99	26	0.2	Peak	8.972	9.929	10	Pass

Agilent
Freq/Channel

Ch Freq 2.501 GHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Center Freq
2.50100000 GHz

Start Freq
2.49100000 GHz

Stop Freq
2.51100000 GHz

CF Step
2.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Ref 30 dBm #Atten 30 dB

Center 2.501 00 GHz Span 20 MHz
#Res BW 200 kHz #VBW 620 kHz #Sweep 10 s (500 pts)

Occupied Bandwidth

8.9718 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error 3.430 kHz

x dB Bandwidth 9.929 MHz

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13.8. LTE Occupied Bandwidth(NTNV)(Subtest:8, Channel:39700, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2501	99	26	0.2	Peak	8.963	9.81	10	Pass

Agilent
Freq/Channel

Ch Freq 2.501 GHz **Trig** Free

Occupied Bandwidth Averages: 2

Center Freq
2.50100000 GHz

Start Freq
2.49100000 GHz

Stop Freq
2.51100000 GHz

CF Step
2.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Ref 30 dBm #Atten 30 dB

Center 2.501 00 GHz Span 20 MHz

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

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

8.9632 MHz **x dB** -26.00 dB

Transmit Freq Error -4.760 kHz

x dB Bandwidth 9.810 MHz

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2593	99	26	0.2	Peak	8.952	10.008	10	Pass

Agilent
Freq/Channel

Ch Freq 2.593 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 2.593 00 GHz Span 20 MHz

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

Center Freq 2.59300000 GHz

Start Freq 2.58300000 GHz

Stop Freq 2.60300000 GHz

CF Step 2.00000000 MHz
Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

Occupied Bandwidth

8.9516 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -3.633 kHz

x dB Bandwidth 10.008 MHz

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2593	99	26	0.2	Peak	8.949	9.811	10	Pass

Agilent
Freq/Channel

Ch Freq 2.593 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 2.593 00 GHz Span 20 MHz

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

Center Freq 2.59300000 GHz

Start Freq 2.58300000 GHz

Stop Freq 2.60300000 GHz

CF Step 2.00000000 MHz
Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

Occupied Bandwidth

8.9485 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -10.230 kHz

x dB Bandwidth 9.811 MHz

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13.11. LTE Occupied Bandwidth(NTNV)(Subtest:11, Channel:41540, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2685	99	26	0.2	Peak	8.987	9.884	10	Pass

Agilent
Freq/Channel

Ch Freq 2.685 GHz **Trig** Free

Occupied Bandwidth Averages: 2

Center Freq
2.68500000 GHz

Start Freq
2.67500000 GHz

Stop Freq
2.69500000 GHz

CF Step
2.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Ref 30 dBm #Atten 30 dB

Center 2.685 00 GHz Span 20 MHz

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

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

8.9866 MHz **x dB** -26.00 dB

Transmit Freq Error 792.424 Hz

x dB Bandwidth 9.884 MHz

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13.12. LTE Occupied Bandwidth(NTNV)(Subtest:12, Channel:41540, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2685	99	26	0.2	Peak	8.97	10.27	10	Pass

Agilent
Freq/Channel

Ch Freq 2.685 GHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 12.1 dB

Center 2.685 00 GHz Span 20 MHz

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

Center Freq
2.68500000 GHz

Start Freq
2.67500000 GHz

Stop Freq
2.69500000 GHz

CF Step
2.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth

8.9703 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -105.184 Hz

x dB Bandwidth 10.270 MHz

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2503.5	99	26	0.3	Peak	13.448	15.021	15	Pass

Agilent
Freq/Channel

Ch Freq 2.5035 GHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Center Freq
2.50350000 GHz

Start Freq
2.48850000 GHz

Stop Freq
2.51850000 GHz

CF Step
3.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Ref 30 dBm #Atten 30 dB

Center 2.503 50 GHz Span 30 MHz

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

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

13.4478 MHz **x dB** -26.00 dB

Transmit Freq Error -14.500 kHz

x dB Bandwidth 15.021 MHz

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13.14. LTE Occupied Bandwidth(NTNV)(Subtest:14, Channel:39725, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2503.5	99	26	0.3	Peak	13.422	14.882	15	Pass

Agilent
Freq/Channel

Ch Freq 2.5035 GHz **Trig** Free

Occupied Bandwidth Averages: 2

Center Freq
2.50350000 GHz

Start Freq
2.48850000 GHz

Stop Freq
2.51850000 GHz

CF Step
3.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Ref 30 dBm #Atten 30 dB

Center 2.503 50 GHz Span 30 MHz

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

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

13.4220 MHz **x dB** -26.00 dB

Transmit Freq Error -30.261 kHz

x dB Bandwidth 14.882 MHz

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13.15. LTE Occupied Bandwidth(NTNV)(Subtest:15, Channel:40620, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2593	99	26	0.3	Peak	13.406	14.809	15	Pass

Agilent
Freq/Channel

Ch Freq 2.593 GHz Trig Free

Occupied Bandwidth Averages: 2

Center 2.593 00 GHz Span 30 MHz
#Res BW 300 kHz #VBW 1 MHz #Sweep 10 s (500 pts)

Center Freq 2.59300000 GHz

Start Freq 2.57800000 GHz

Stop Freq 2.60800000 GHz

CF Step 3.00000000 MHz
Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

Occupied Bandwidth

13.4062 MHz

Transmit Freq Error -428.685 Hz

x dB Bandwidth 14.809 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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13.16. LTE Occupied Bandwidth(NTNV)(Subtest:16, Channel:40620, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2593	99	26	0.3	Peak	13.484	14.97	15	Pass

Agilent
Freq/Channel

Ch Freq 2.593 GHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Center Freq
2.59300000 GHz

Start Freq
2.57800000 GHz

Stop Freq
2.60800000 GHz

CF Step
3.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Ref 30 dBm #Atten 30 dB

Center 2.593 00 GHz Span 30 MHz

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

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

13.4843 MHz **x dB** -26.00 dB

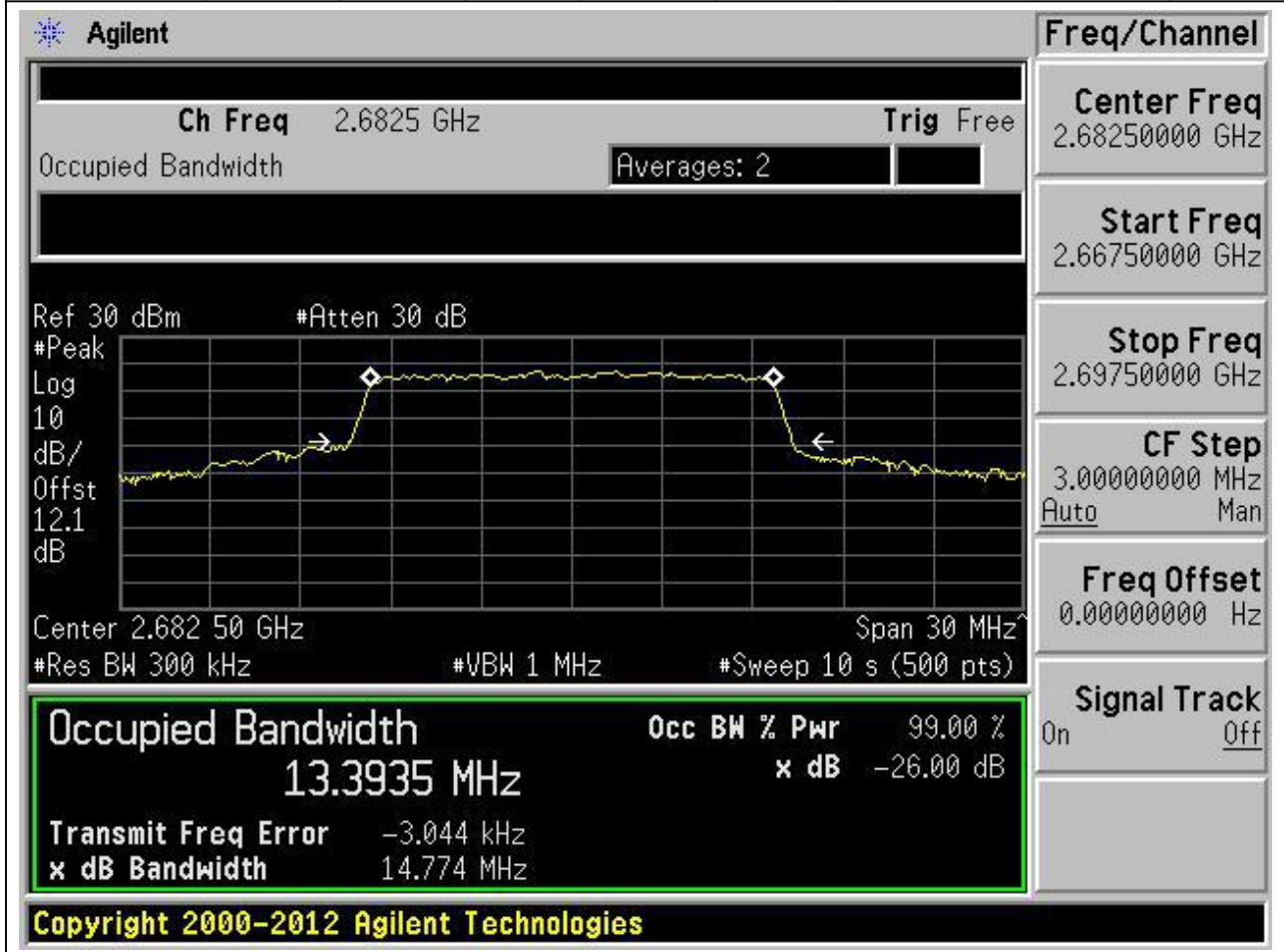
Transmit Freq Error -3.618 kHz

x dB Bandwidth 14.970 MHz

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13.17. LTE Occupied Bandwidth(NTNV)(Subtest:17, Channel:41515, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2682.5	99	26	0.3	Peak	13.394	14.774	15	Pass



13.18. LTE Occupied Bandwidth(NTNV)(Subtest:18, Channel:41515, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2682.5	99	26	0.3	Peak	13.455	14.765	15	Pass

Agilent
Freq/Channel

Ch Freq 2.6825 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 2.682 50 GHz Span 30 MHz

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

Center Freq 2.68250000 GHz

Start Freq 2.66750000 GHz

Stop Freq 2.69750000 GHz

CF Step 3.00000000 MHz
Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

Occupied Bandwidth

13.4555 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -5.488 kHz

x dB Bandwidth 14.765 MHz

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2506	99	26	0.39	Peak	17.94	20.07	20	Pass

Agilent
Freq/Channel

Ch Freq 2.506 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 2.506 00 GHz Span 40 MHz

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

Center Freq
2.50600000 GHz

Start Freq
2.48600000 GHz

Stop Freq
2.52600000 GHz

CF Step
4.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Occupied Bandwidth

17.9404 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -35.155 kHz

x dB Bandwidth 20.070 MHz

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2506	99	26	0.39	Peak	17.889	19.576	20	Pass

Agilent
Freq/Channel

Ch Freq 2.506 GHz **Trig** Free

Occupied Bandwidth Averages: 2

Center Freq
2.50600000 GHz

Start Freq
2.48600000 GHz

Stop Freq
2.52600000 GHz

CF Step
4.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Ref 30 dBm #Atten 30 dB

Center 2.506 00 GHz Span 40 MHz

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

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

17.8891 MHz **x dB** -26.00 dB

Transmit Freq Error -48.690 kHz

x dB Bandwidth 19.576 MHz

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2593	99	26	0.39	Peak	17.874	19.445	20	Pass

Agilent
Freq/Channel

Ch Freq 2.593 GHz **Trig** Free

Occupied Bandwidth Averages: 2

Center Freq
2.59300000 GHz

Start Freq
2.57300000 GHz

Stop Freq
2.61300000 GHz

CF Step
4.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Ref 30 dBm #Atten 30 dB

Center 2.593 00 GHz Span 40 MHz
#Res BW 390 kHz #VBW 1.2 MHz #Sweep 10 s (512 pts)

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

17.8744 MHz **x dB** -26.00 dB

Transmit Freq Error -10.756 kHz

x dB Bandwidth 19.445 MHz

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13.22. LTE Occupied Bandwidth(NTNV)(Subtest:22, Channel:40620, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2593	99	26	0.39	Peak	17.902	19.693	20	Pass

Agilent
Freq/Channel

Ch Freq 2.593 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 2.593 00 GHz Span 40 MHz

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

Center Freq 2.59300000 GHz

Start Freq 2.57300000 GHz

Stop Freq 2.61300000 GHz

CF Step 4.00000000 MHz
Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

Occupied Bandwidth

17.9023 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -24.563 kHz

x dB Bandwidth 19.693 MHz

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2680	99	26	0.39	Peak	17.915	20.527	20	Pass

Agilent
Freq/Channel

Ch Freq 2.68 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 2.680 00 GHz Span 40 MHz

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

Center Freq 2.68000000 GHz

Start Freq 2.66000000 GHz

Stop Freq 2.70000000 GHz

CF Step 4.00000000 MHz
Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

Occupied Bandwidth

17.9148 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error 24.070 kHz

x dB Bandwidth 20.527 MHz

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2680	99	26	0.39	Peak	17.911	20.327	20	Pass

Agilent
Freq/Channel

Ch Freq 2.68 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 2.680 00 GHz Span 40 MHz

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

Center Freq 2.68000000 GHz

Start Freq 2.66000000 GHz

Stop Freq 2.70000000 GHz

CF Step 4.00000000 MHz
Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

Occupied Bandwidth Occ BW % Pwr 99.00 %

17.9112 MHz x dB -26.00 dB

Transmit Freq Error 16.191 kHz

x dB Bandwidth 20.327 MHz

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END