

Annex C. LTE Transmitter Occupied Bandwidth(SA)



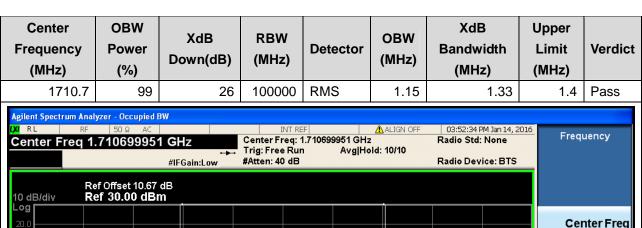
1. LTE_Band4

1.1. LTE Transmitter Occupied Bandwidth(SA)(NTNV)(Subtest:1, Channel:19957, Bandwidth:1.4, Modulation:QPSK, RB Number: 6, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down(dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
					NaN	NaN	NaN	



1.2. LTE Transmitter Occupied Bandwidth(SA)(NTNV)(Subtest:1, Channel:19957, Bandwidth:1.4, Modulation:QPSK, RB Number: 6, RB Position:LOW)







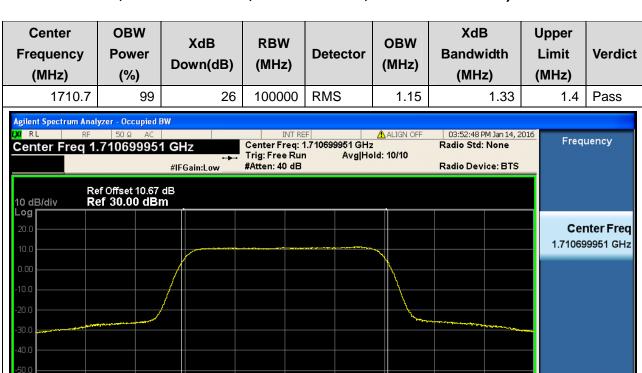
Center 1.711 GHz

#Res BW 100 kHz

Occupied Bandwidth

1.1514 MHz

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



#VBW 300 kHz

Total Power

CF Step 280.000 kHz

Freq Offset

Man

0 Hz

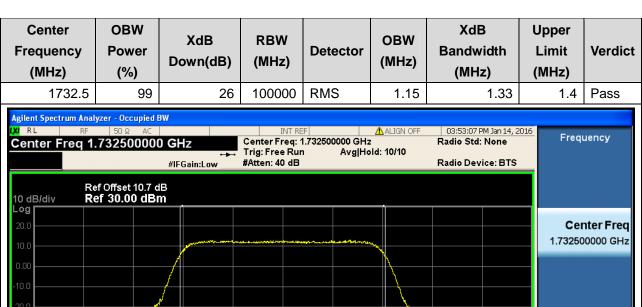
Span 2.8 MHz

#Sweep 1 s

20.8 dBm



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

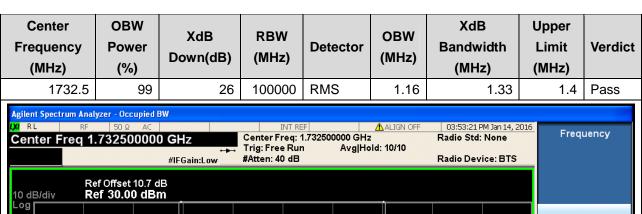


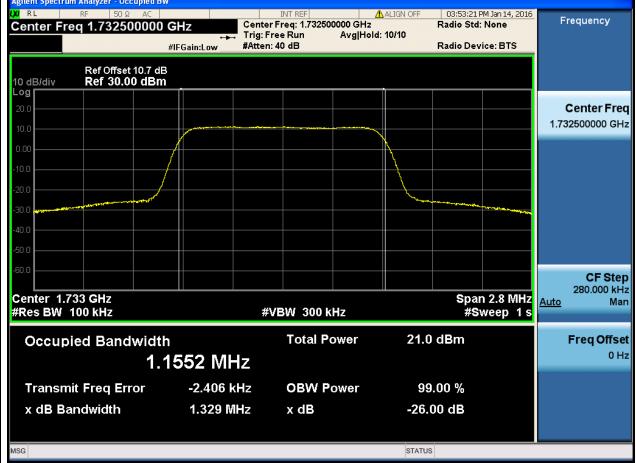
hterifted falled to the factor with

CF Step



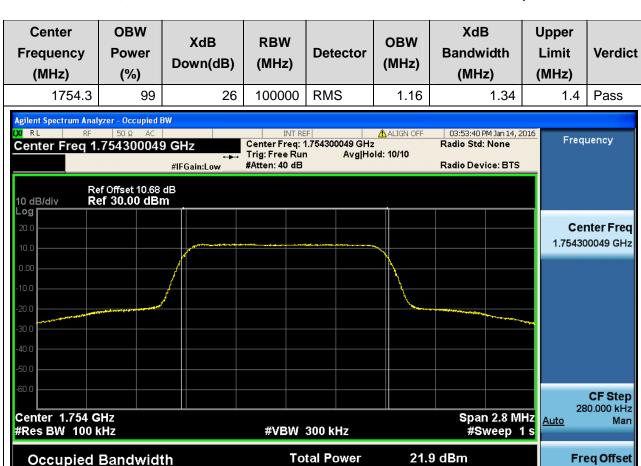
1.5. LTE Transmitter Occupied Bandwidth(SA)(NTNV)(Subtest:4, Channel:20175, Bandwidth:1.4, Modulation:Q16, RB Number: 6, RB Position:LOW)







1.6. LTE Transmitter Occupied Bandwidth(SA)(NTNV)(Subtest:5, Channel:20393, Bandwidth:1.4, Modulation:QPSK, RB Number: 6, RB Position:LOW)



OBW Power

x dB

99.00 %

-26.00 dB

STATUS

1.1594 MHz

-2.421 kHz

1.341 MHz

Transmit Freq Error

x dB Bandwidth

0 Hz

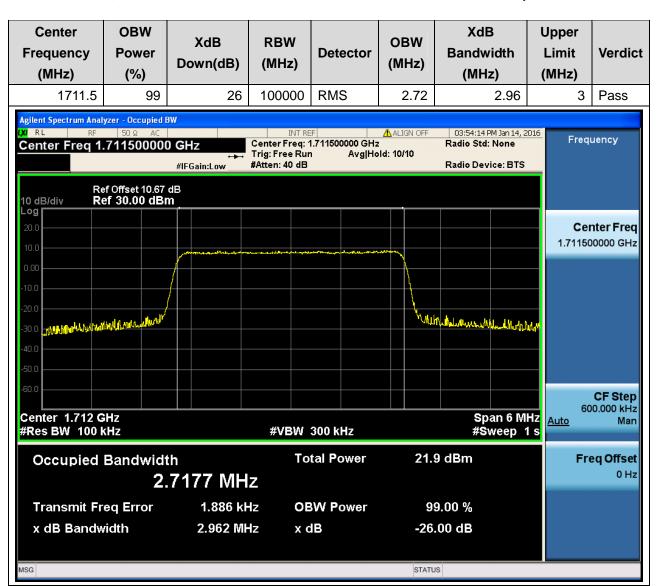


1.7. LTE Transmitter Occupied Bandwidth(SA)(NTNV)(Subtest:6, Channel:20393, Bandwidth:1.4, Modulation:Q16, RB Number: 6, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down(dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1754.3	99	26	100000	RMS	1.15	1.34	1.4	Pass
Agilent Spectrum Analyzer - Occupied BW (X) RL RF 50 Ω AC INT REF								uency
20.0							Cer	nter Freq



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



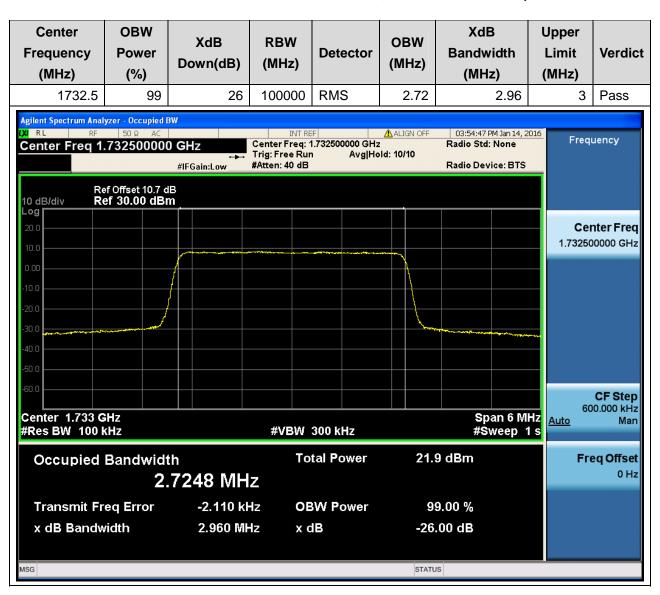


1.9. LTE Transmitter Occupied Bandwidth(SA)(NTNV)(Subtest:8, Channel:19965, Bandwidth:3, Modulation:Q16, RB Number: 15, RB Position:LOW)





1.10. LTE Transmitter Occupied Bandwidth(SA)(NTNV)(Subtest:9, Channel:20175, Bandwidth:3, Modulation:QPSK, RB Number: 15, RB Position:LOW)





Center 1.733 GHz

#Res BW 100 kHz

Occupied Bandwidth

Transmit Freq Error

x dB Bandwidth

2.7214 MHz

-1.123 kHz

2.957 MHz

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



#VBW 300 kHz

x dB

Total Power

OBW Power

Span 6 MHz

#Sweep 1 s

21.0 dBm

99.00 %

-26.00 dB

STATUS

<u>Auto</u>

Man

Freq Offset 0 Hz



#Res BW 100 kHz

Occupied Bandwidth

Transmit Freq Error

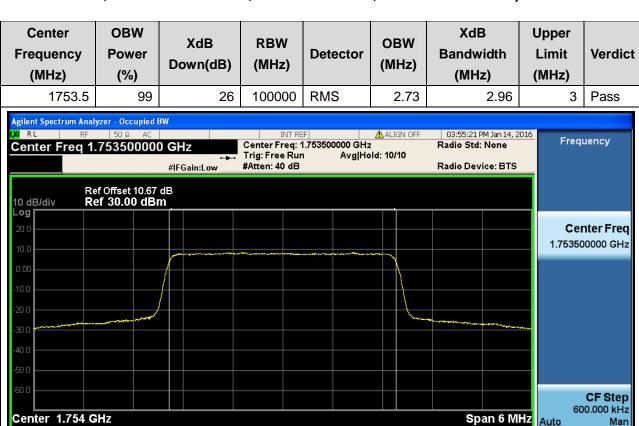
x dB Bandwidth

2.7262 MHz

-283 Hz

2.963 MHz

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



#VBW 300 kHz

x dB

Total Power

OBW Power

<u>Auto</u>

#Sweep 1 s

21.9 dBm

99.00 %

-26.00 dB

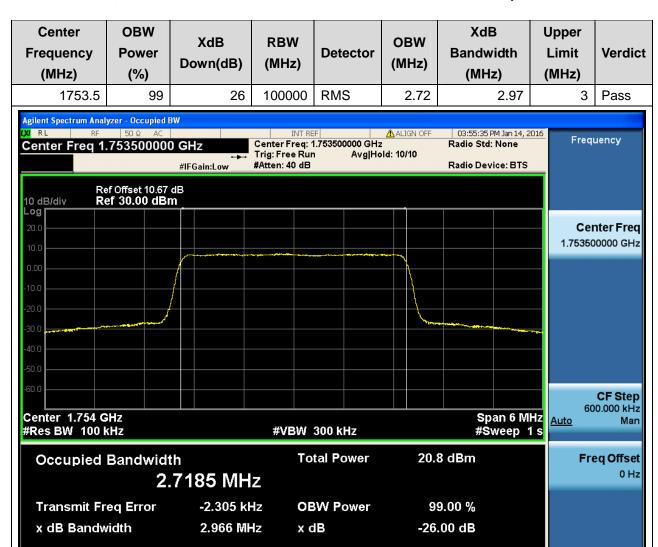
STATUS

Man

Freq Offset 0 Hz



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



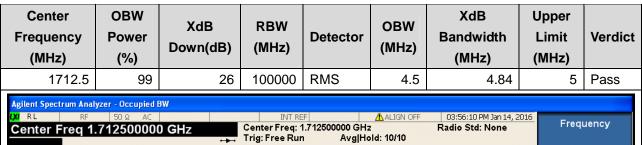


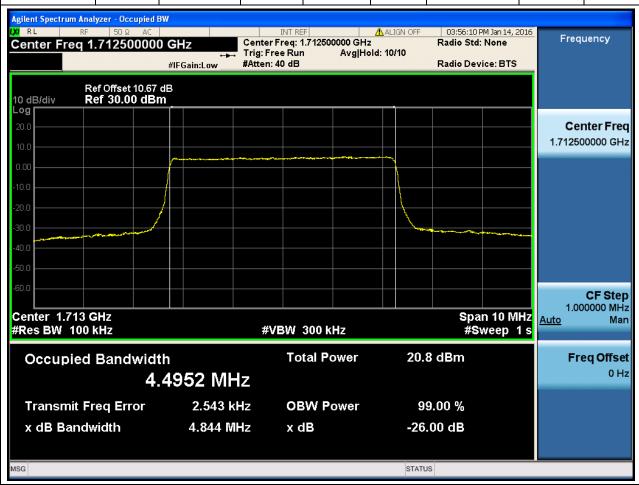
1.14. LTE Transmitter Occupied Bandwidth(SA)(NTNV)(Subtest:13, Channel:19975, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)





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







Center 1.733 GHz

#Res BW 100 kHz

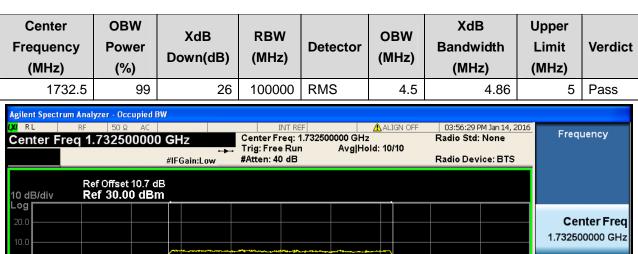
Occupied Bandwidth

Transmit Freq Error

x dB Bandwidth

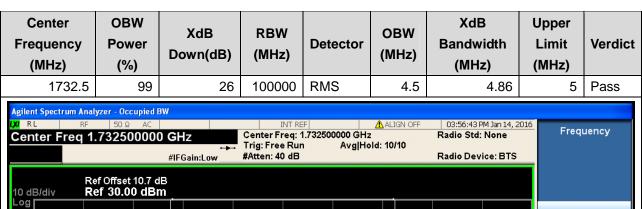
4.4957 MHz

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



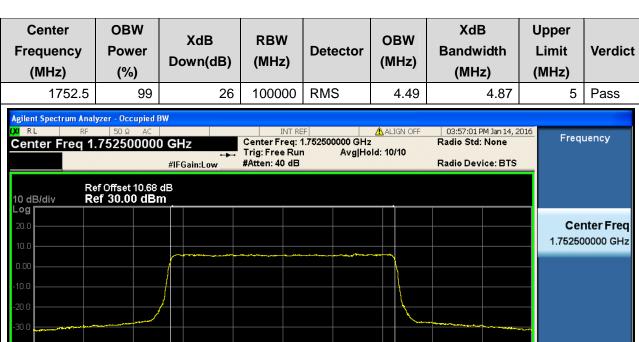


1.17. LTE Transmitter Occupied Bandwidth(SA)(NTNV)(Subtest:16, Channel:20175, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)



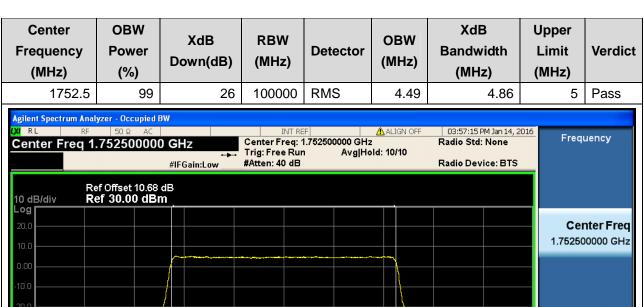


1.18. LTE Transmitter Occupied Bandwidth(SA)(NTNV)(Subtest:17, Channel:20375, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)





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





Center 1.715 GHz

#Res BW 100 kHz

Occupied Bandwidth

Transmit Freq Error

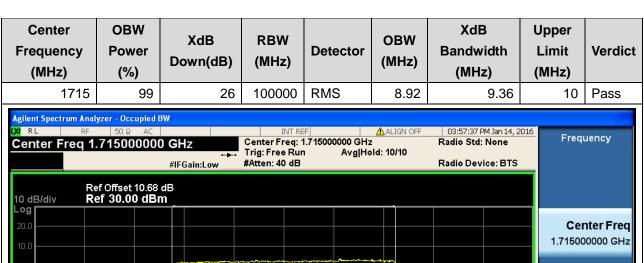
x dB Bandwidth

8.9187 MHz

6.259 kHz

9.359 MHz

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



#VBW 300 kHz

x dB

Total Power

OBW Power

CF Step 2.000000 MHz

Freq Offset

0 Hz

Span 20 MHz

#Sweep 1 s

21.9 dBm

99.00 %

-26.00 dB

STATUS

<u>Auto</u>



Center 1.715 GHz

#Res BW 100 kHz

Occupied Bandwidth

Transmit Freq Error

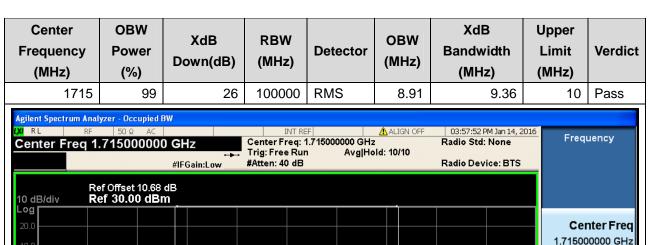
x dB Bandwidth

8.9123 MHz

6.595 kHz

9.363 MHz

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



#VBW 300 kHz

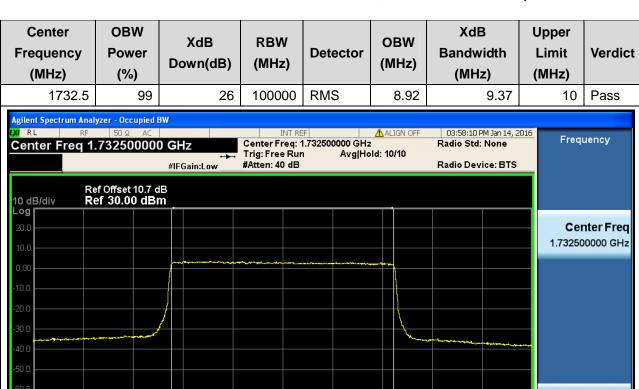
x dB



Center 1.733 GHz #Res BW 100 kHz

Occupied Bandwidth

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



Total Power

#VBW 300 kHz

CF Step 2.000000 MHz

Freq Offset

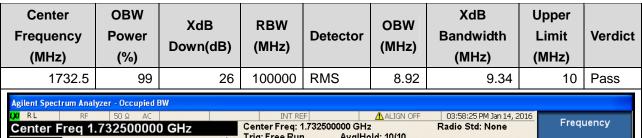
Span 20 MHz

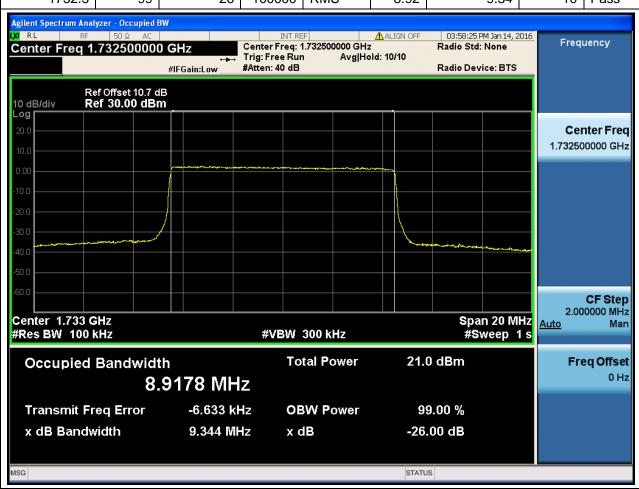
#Sweep 1 s

22.0 dBm



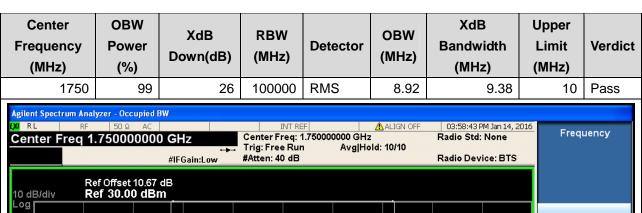
1.23. LTE Transmitter Occupied Bandwidth(SA)(NTNV)(Subtest:22, Channel:20175, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)

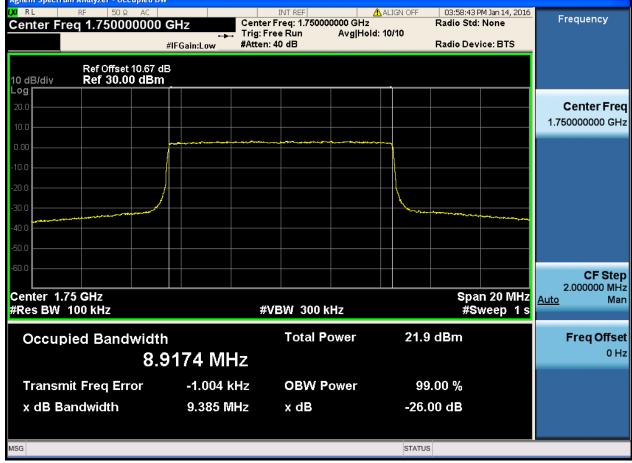






1.24. LTE Transmitter Occupied Bandwidth(SA)(NTNV)(Subtest:23, Channel:20350, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)







Center 1.75 GHz

#Res BW 100 kHz

Occupied Bandwidth

Transmit Freq Error

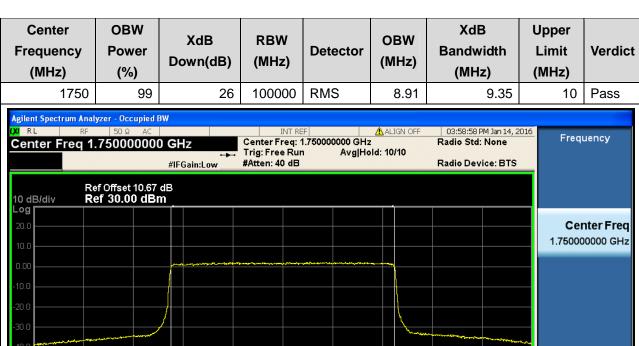
x dB Bandwidth

8.9138 MHz

-555 Hz

9.350 MHz

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



#VBW 300 kHz

x dB

Total Power

OBW Power

Span 20 MHz

#Sweep 1 s

20.8 dBm

99.00 %

-26.00 dB

<u>Auto</u>

CF Step 2.000000 MHz

Freq Offset

0 Hz



#Res BW 100 kHz

Occupied Bandwidth

Transmit Freq Error

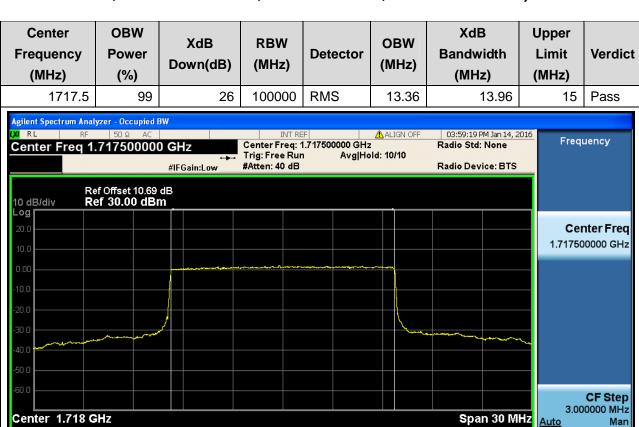
x dB Bandwidth

13.364 MHz

7.018 kHz

13.96 MHz

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



#VBW 300 kHz

x dB

Total Power

OBW Power

Freq Offset 0 Hz

#Sweep 1 s

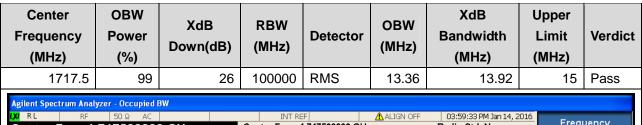
22.1 dBm

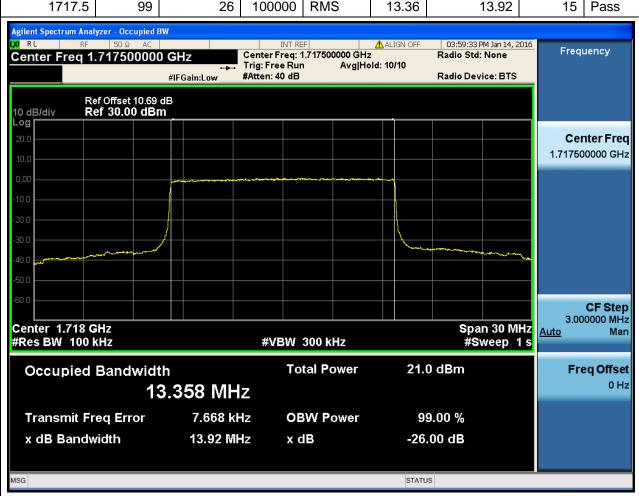
99.00 %

-26.00 dB



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







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



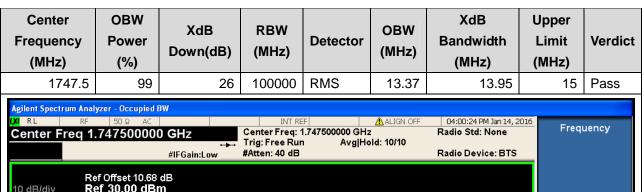


1.29. LTE Transmitter Occupied Bandwidth(SA)(NTNV)(Subtest:28, Channel:20175, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)





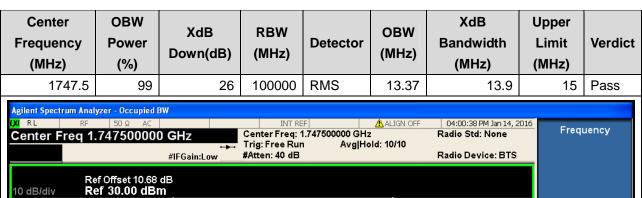
1.30. LTE Transmitter Occupied Bandwidth(SA)(NTNV)(Subtest:29, Channel:20325, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)

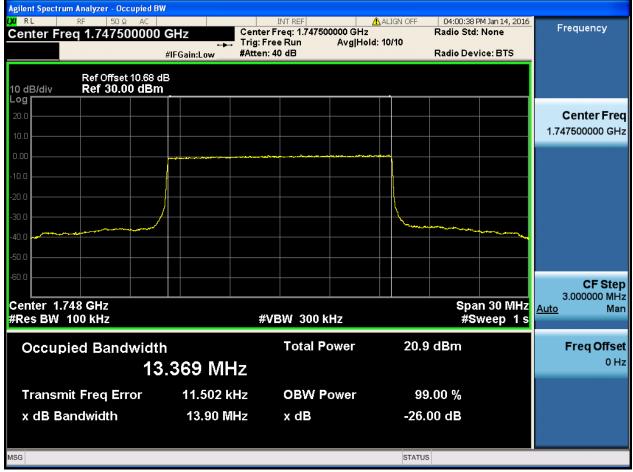






1.31. LTE Transmitter Occupied Bandwidth(SA)(NTNV)(Subtest:30, Channel:20325, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)





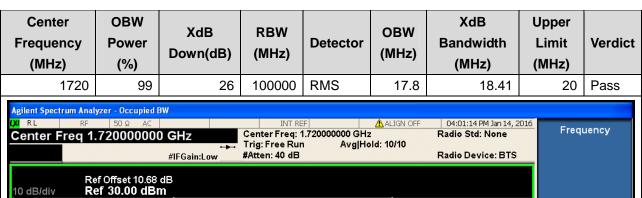


1.32. LTE Transmitter Occupied Bandwidth(SA)(NTNV)(Subtest:31, Channel:20050, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)





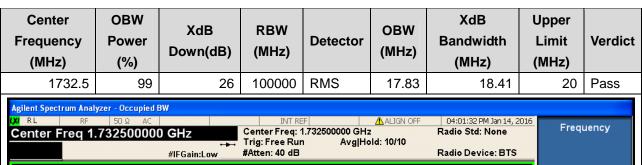
1.33. LTE Transmitter Occupied Bandwidth(SA)(NTNV)(Subtest:32, Channel:20050, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)







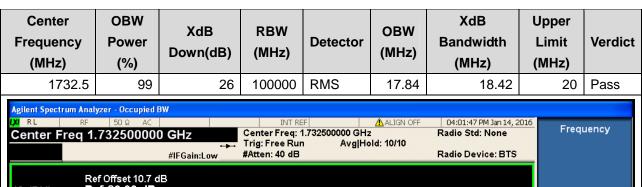
1.34. LTE Transmitter Occupied Bandwidth(SA)(NTNV)(Subtest:33, Channel:20175, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)







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





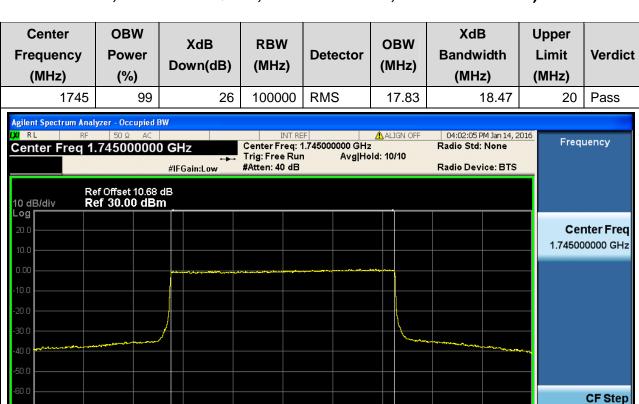


Center 1.745 GHz

#Res BW 100 kHz

Occupied Bandwidth

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



Total Power

#VBW 300 kHz

4.000000 MHz

Freq Offset 0 Hz

<u>Auto</u>

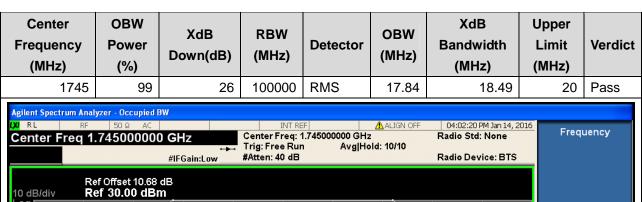
Span 40 MHz

#Sweep 1 s

21.9 dBm



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







END