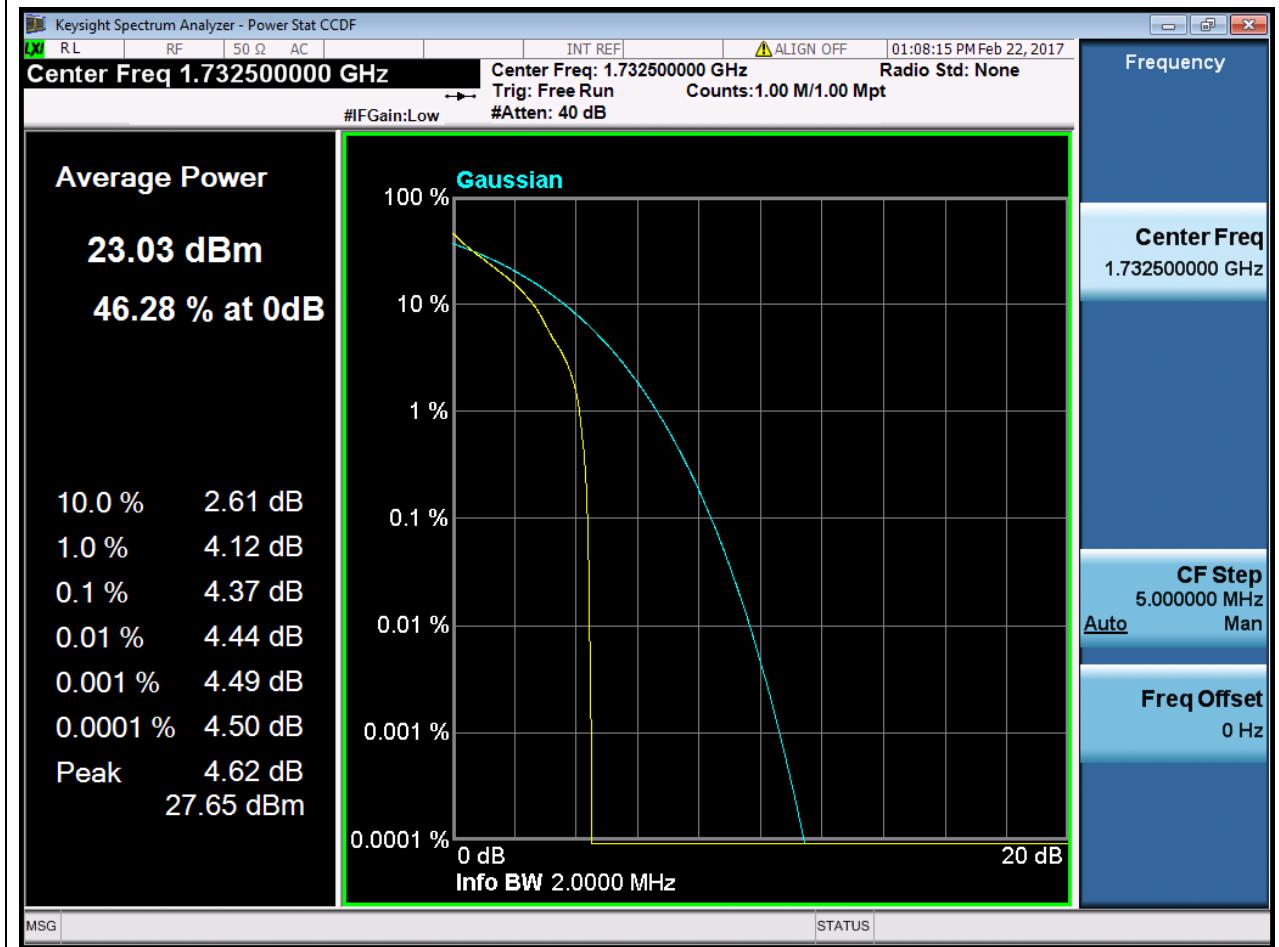


Annex B. LTE Peak to Average Ratio

1. LTE_Band4

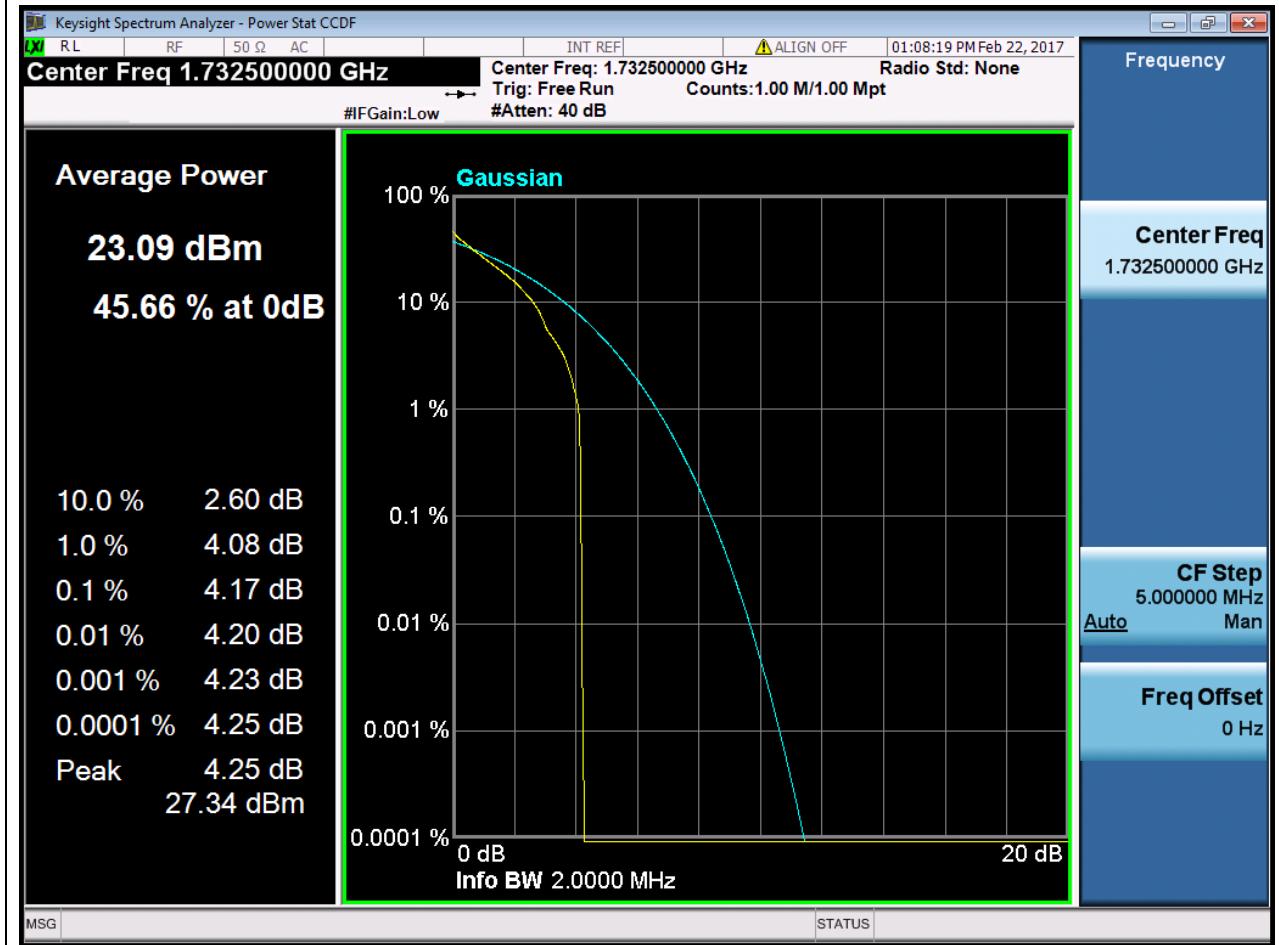
1.1. LTE Peak to Average Ratio(NTNV)(Subtest:1, Channel:20175, Bandwidth:1.4, Modulation:QPSK, RB Number: 1, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	4.37	13	Pass



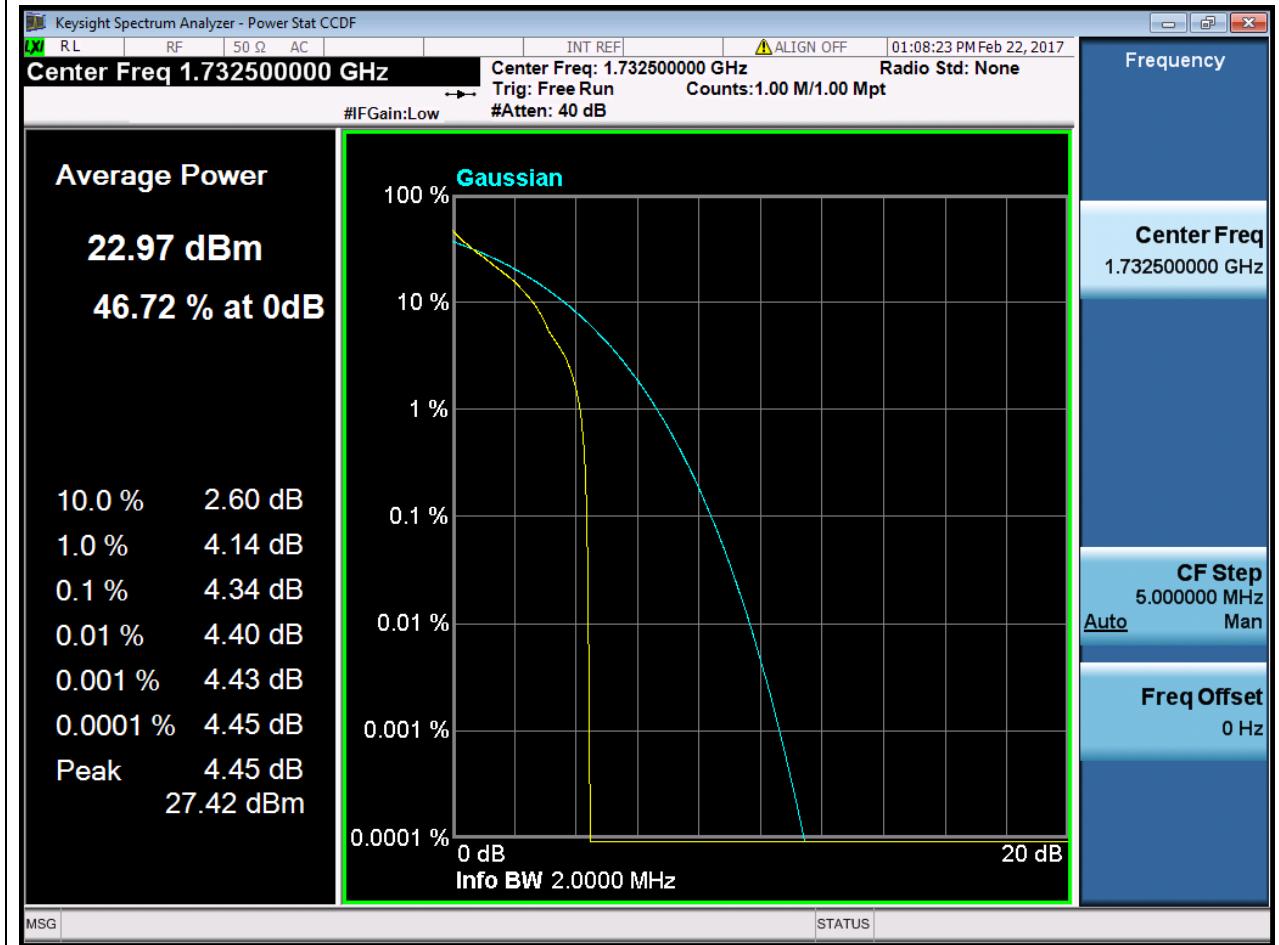
1.2. LTE Peak to Average Ratio(NTNV)(Subtest:2, Channel:20175, Bandwidth:1.4, Modulation:QPSK, RB Number: 1, RB Position:MID)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	4.17	13	Pass



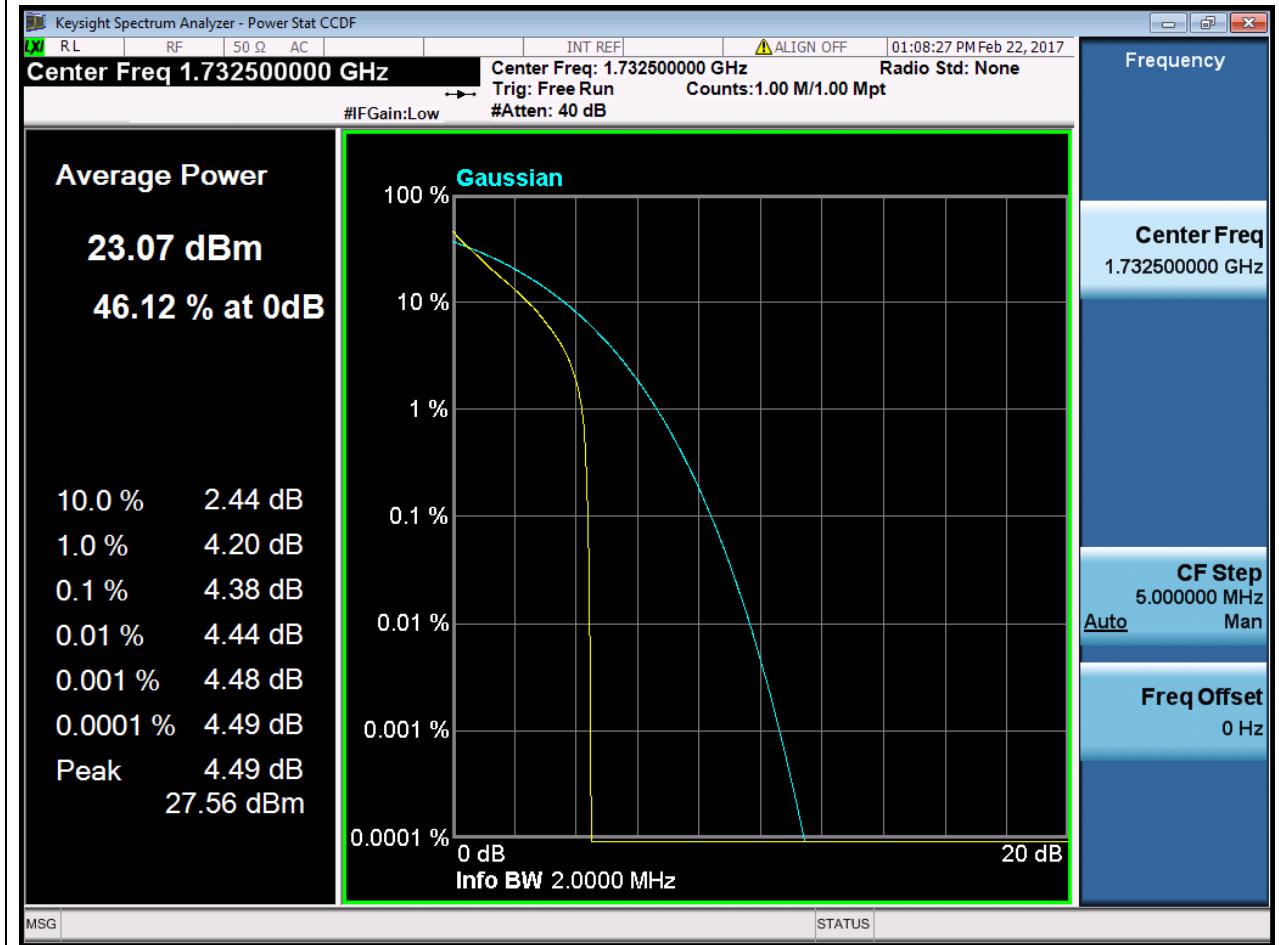
1.3. LTE Peak to Average Ratio(NTNV)(Subtest:3, Channel:20175, Bandwidth:1.4, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	4.34	13	Pass



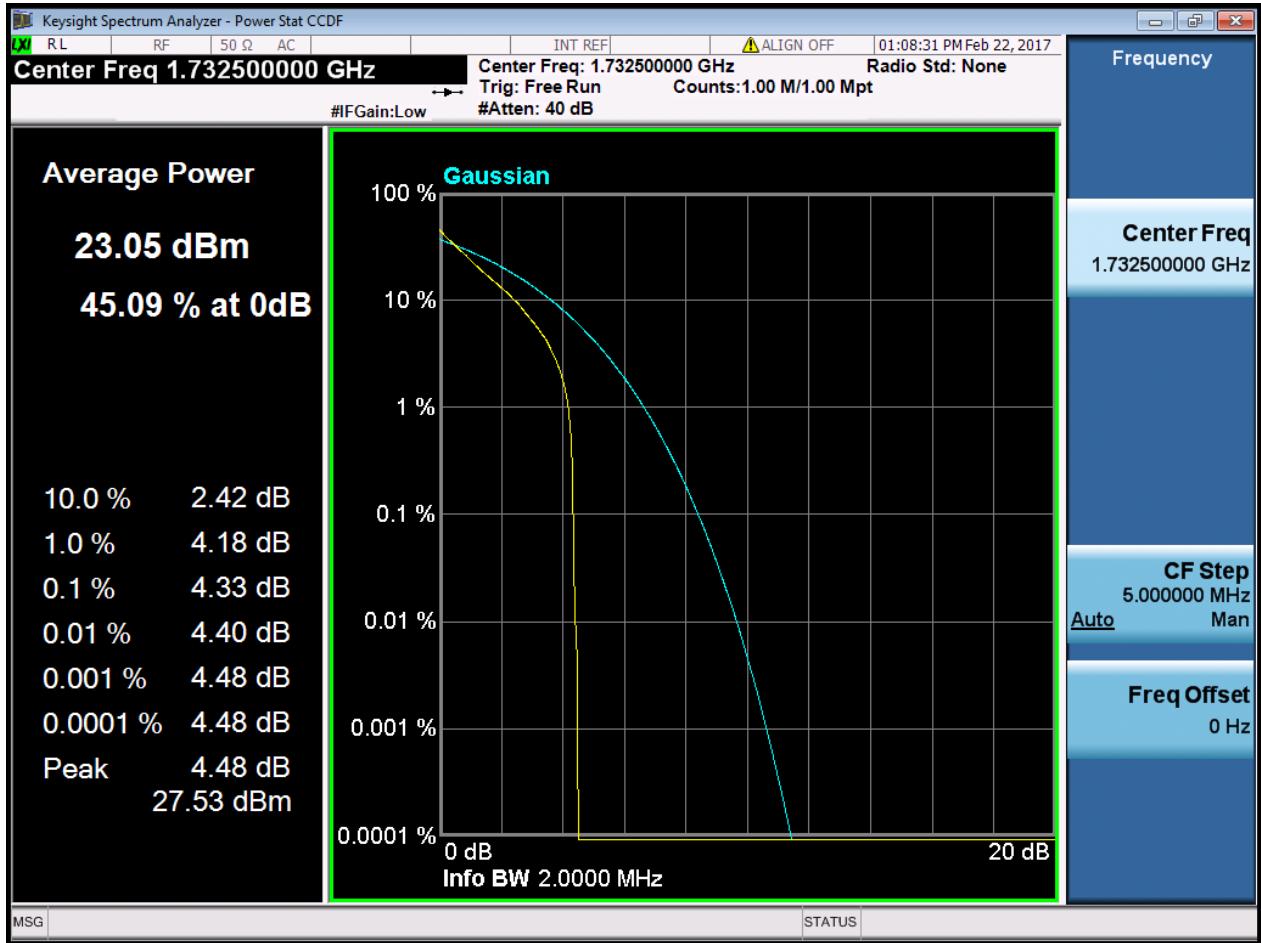
1.4. LTE Peak to Average Ratio(NTNV)(Subtest:4, Channel:20175, Bandwidth:1.4, Modulation:QPSK, RB Number: 3, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	4.38	13	Pass



1.5. LTE Peak to Average Ratio(NTNV)(Subtest:5, Channel:20175, Bandwidth:1.4, Modulation:QPSK, RB Number: 3, RB Position:MID)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	4.33	13	Pass

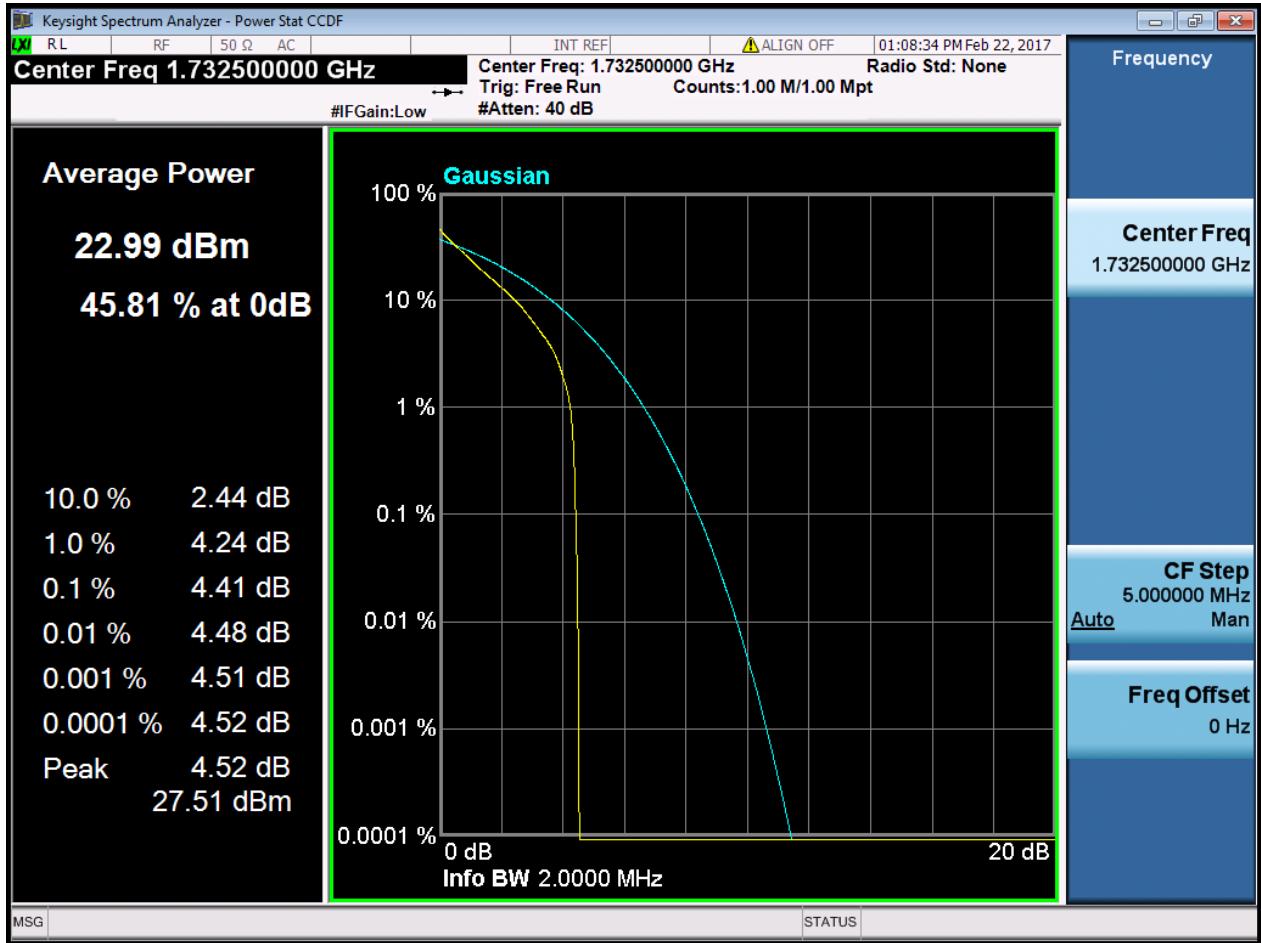


Average Power
23.05 dBm
45.09 % at 0dB

10.0 %	2.42 dB
1.0 %	4.18 dB
0.1 %	4.33 dB
0.01 %	4.40 dB
0.001 %	4.48 dB
0.0001 %	4.48 dB
Peak	4.48 dB
	27.53 dBm

1.6. LTE Peak to Average Ratio(NTNV)(Subtest:6, Channel:20175, Bandwidth:1.4, Modulation:QPSK, RB Number: 3, RB Position:HIGH)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	4.41	13	Pass

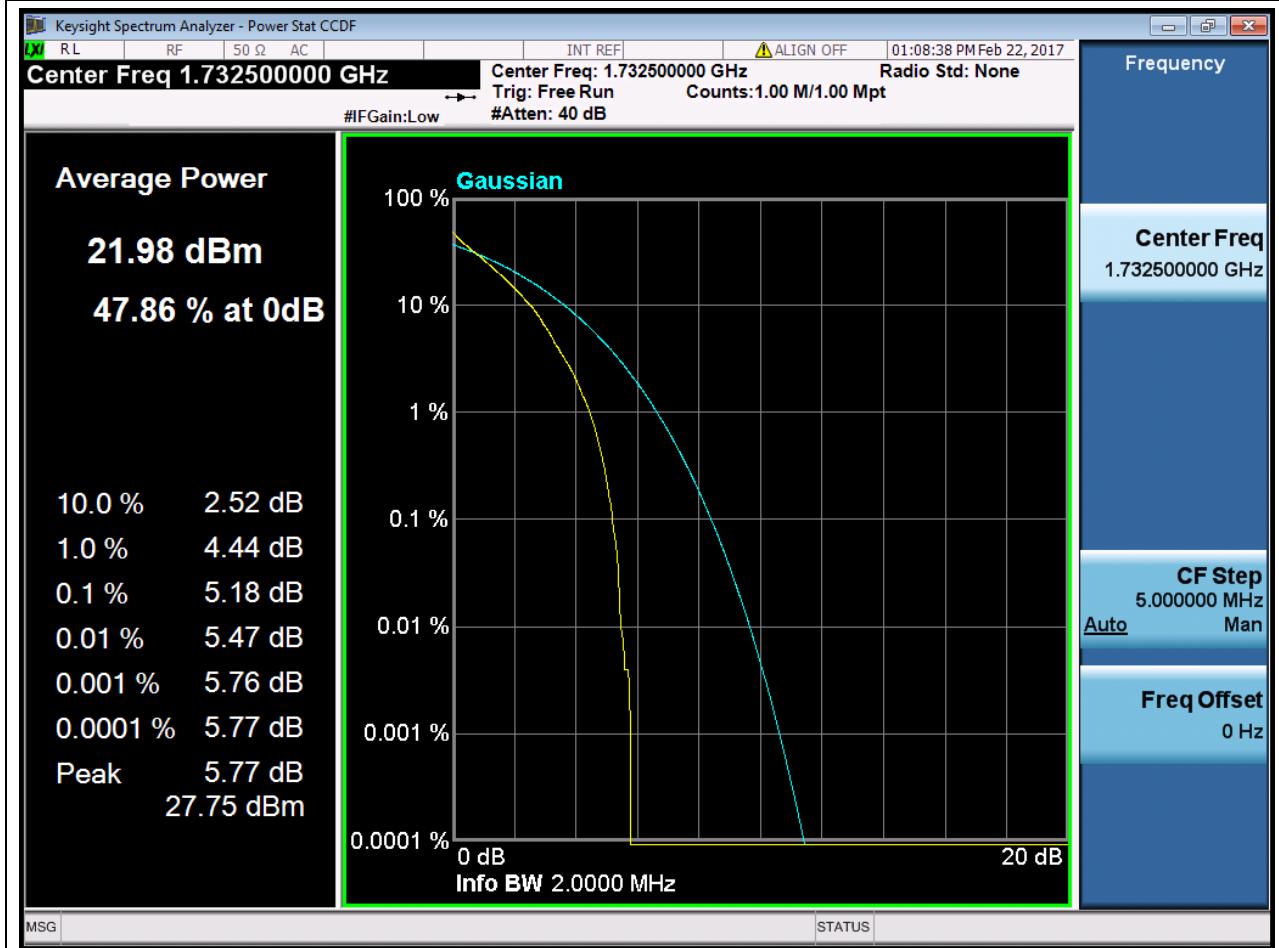


Average Power
22.99 dBm
45.81 % at 0dB

10.0 %	2.44 dB
1.0 %	4.24 dB
0.1 %	4.41 dB
0.01 %	4.48 dB
0.001 %	4.51 dB
0.0001 %	4.52 dB
Peak	4.52 dB
	27.51 dBm

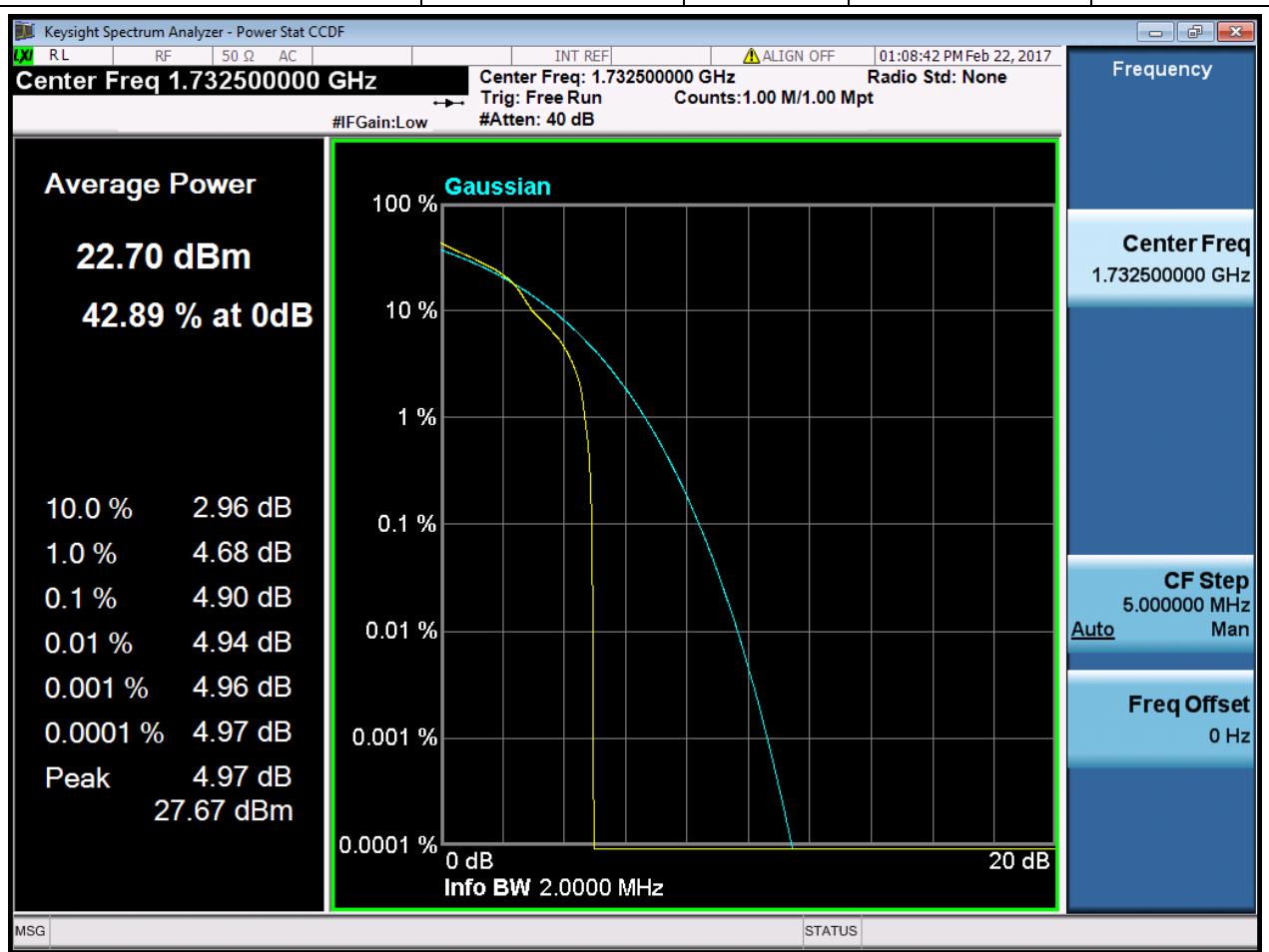
1.7. LTE Peak to Average Ratio(NTNV)(Subtest:7, Channel:20175, Bandwidth:1.4, Modulation:QPSK, RB Number: 6, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	5.18	13	Pass



1.8. LTE Peak to Average Ratio(NTNV)(Subtest:8, Channel:20175, Bandwidth:1.4, Modulation:16QAM, RB Number: 1, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	4.9	13	Pass



Average Power
22.70 dBm
42.89 % at 0dB

10.0 %	2.96 dB
1.0 %	4.68 dB
0.1 %	4.90 dB
0.01 %	4.94 dB
0.001 %	4.96 dB
0.0001 %	4.97 dB
Peak	4.97 dB
	27.67 dBm

Gaussian

100 %
10 %
1 %
0.1 %
0.01 %
0.001 %
0.0001 %

0 dB 20 dB

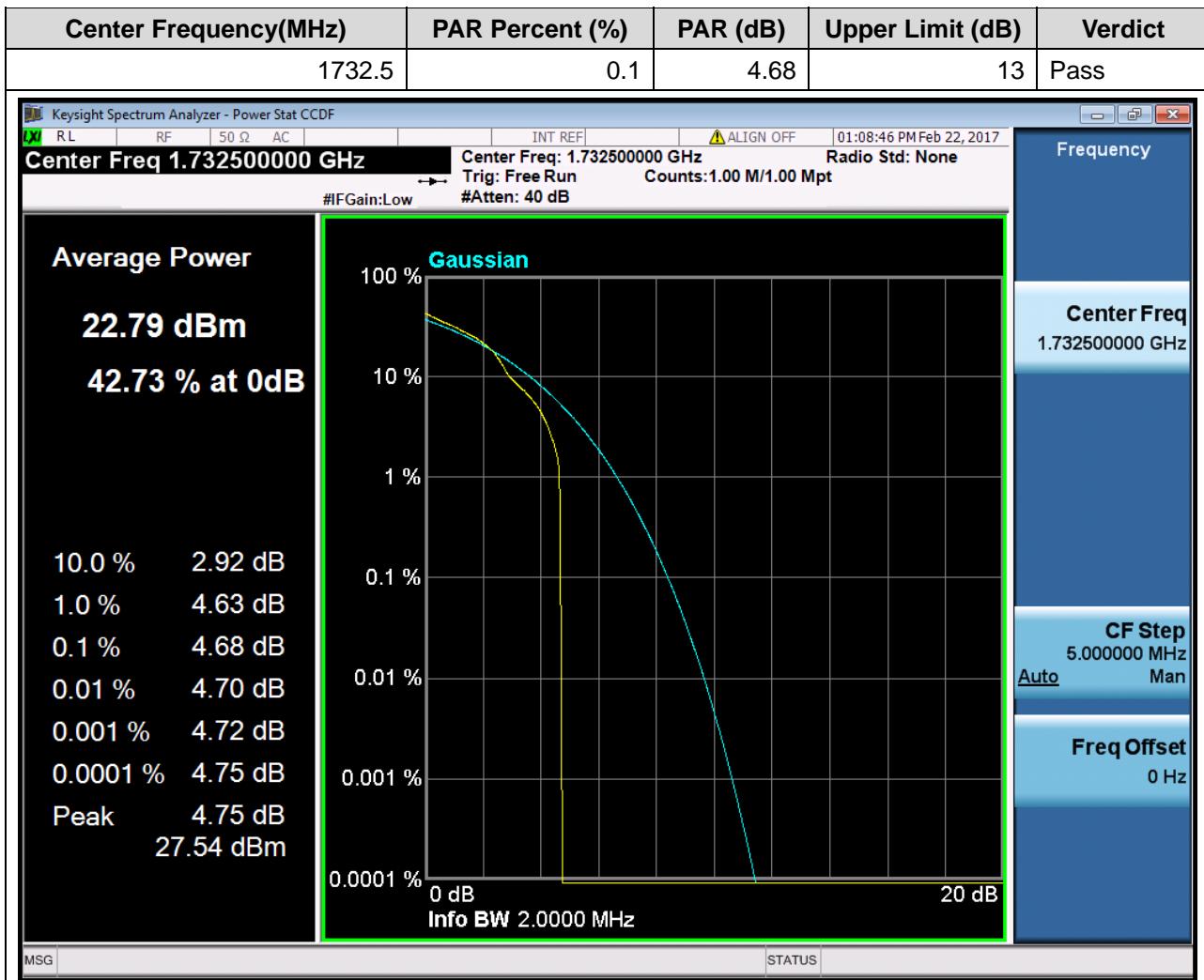
Info BW 2.0000 MHz

Center Freq
1.732500000 GHz

CF Step
5.000000 MHz
Auto Man

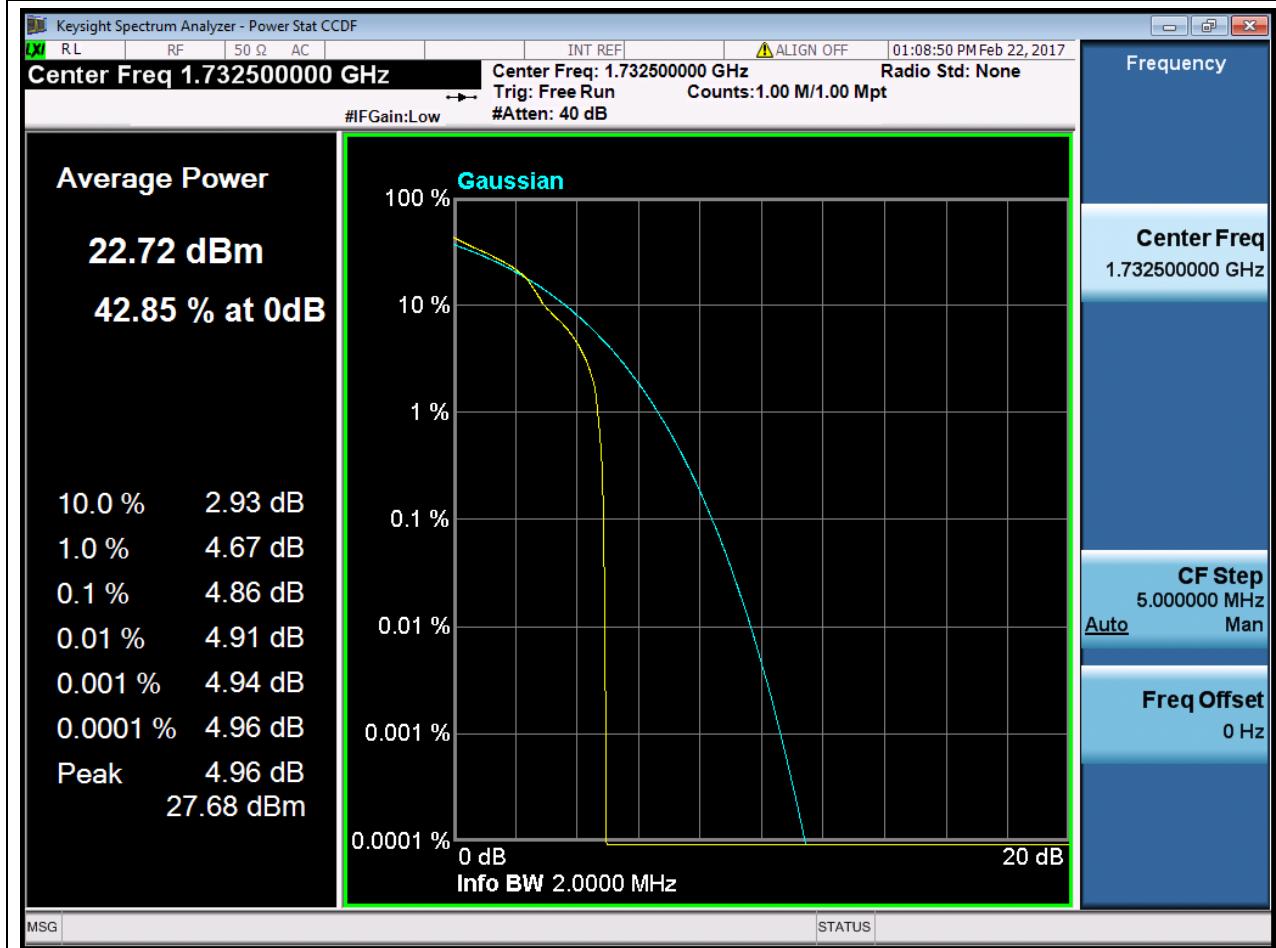
Freq Offset
0 Hz

1.9. LTE Peak to Average Ratio(NTNV)(Subtest:9, Channel:20175, Bandwidth:1.4, Modulation:16QAM, RB Number: 1, RB Position:MID)



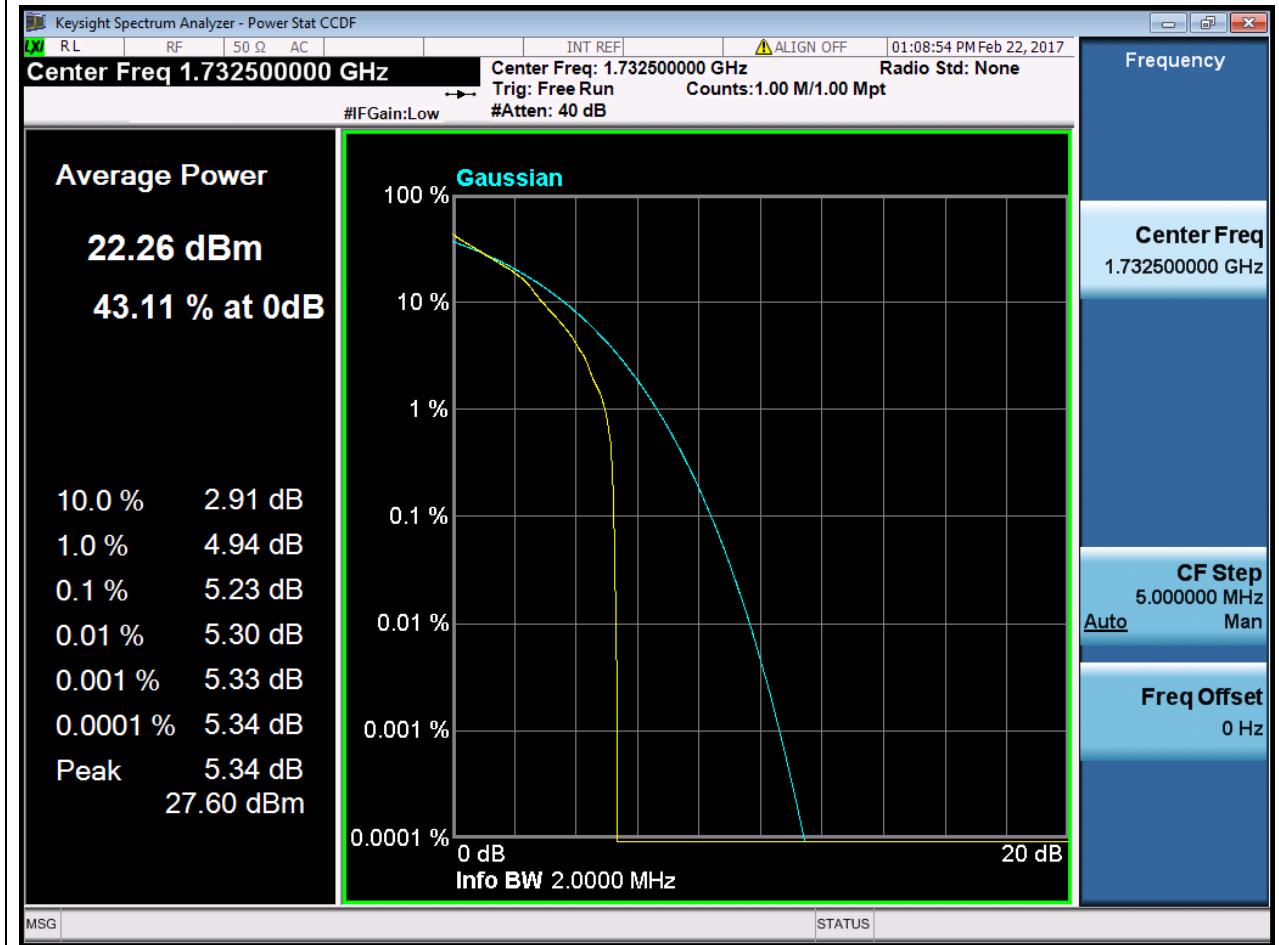
1.10. LTE Peak to Average Ratio(NTNV)(Subtest:10, Channel:20175, Bandwidth:1.4, Modulation:16QAM, RB Number: 1, RB Position:HIGH)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	4.86	13	Pass

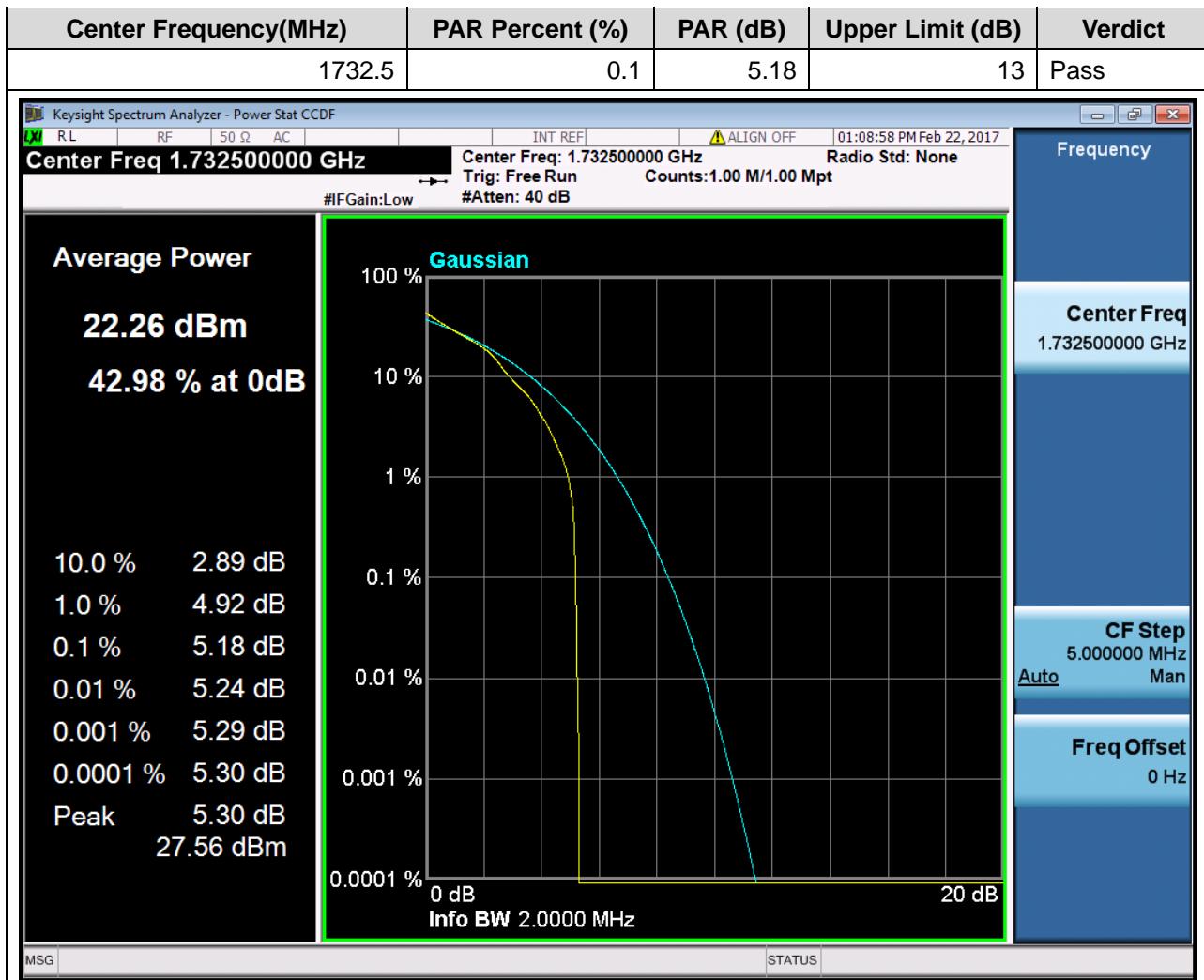


1.11. LTE Peak to Average Ratio(NTNV)(Subtest:11, Channel:20175, Bandwidth:1.4, Modulation:16QAM, RB Number: 3, RB Position:LOW)

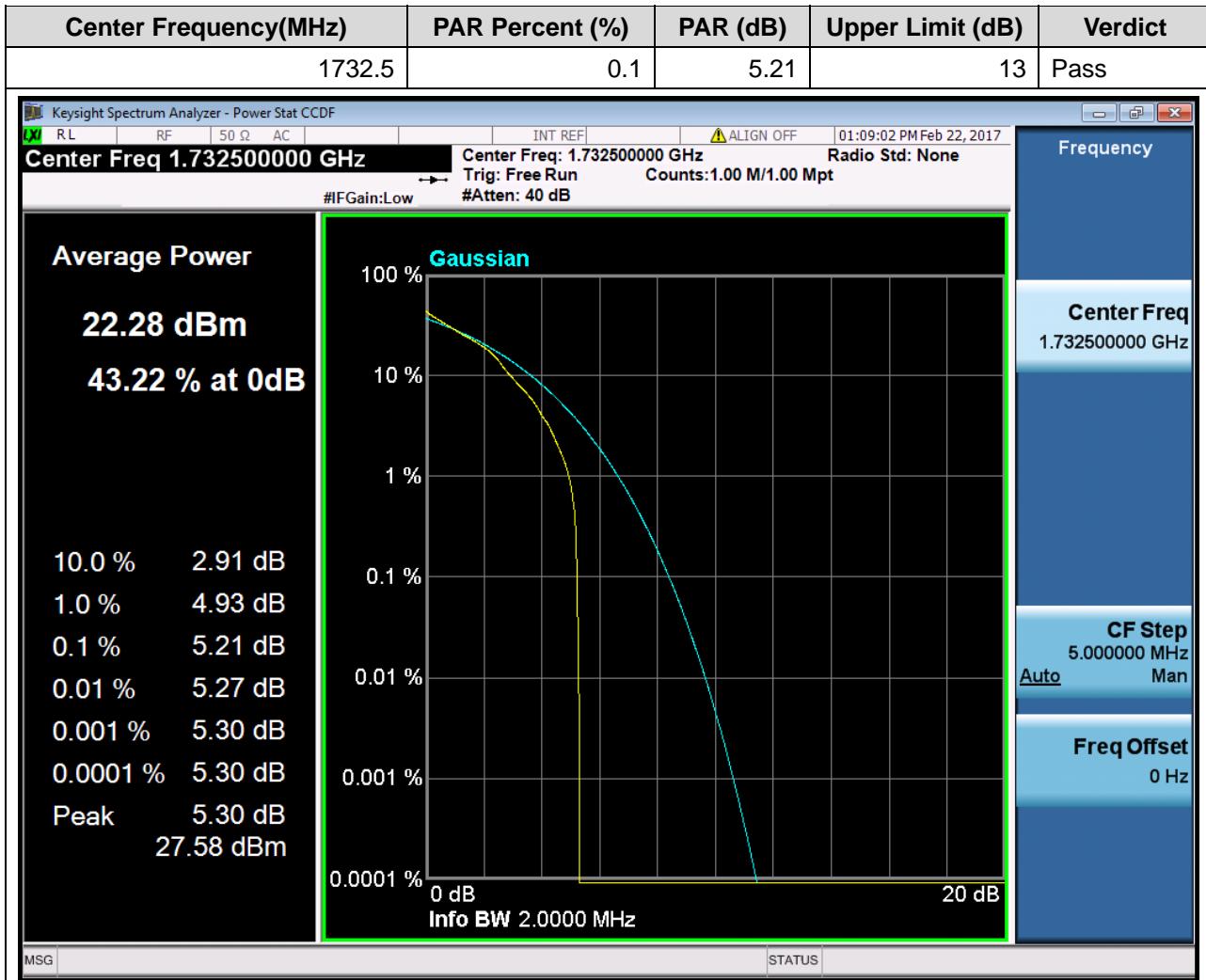
Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	5.23	13	Pass



1.12. LTE Peak to Average Ratio(NTNV)(Subtest:12, Channel:20175, Bandwidth:1.4, Modulation:16QAM, RB Number: 3, RB Position:MID)

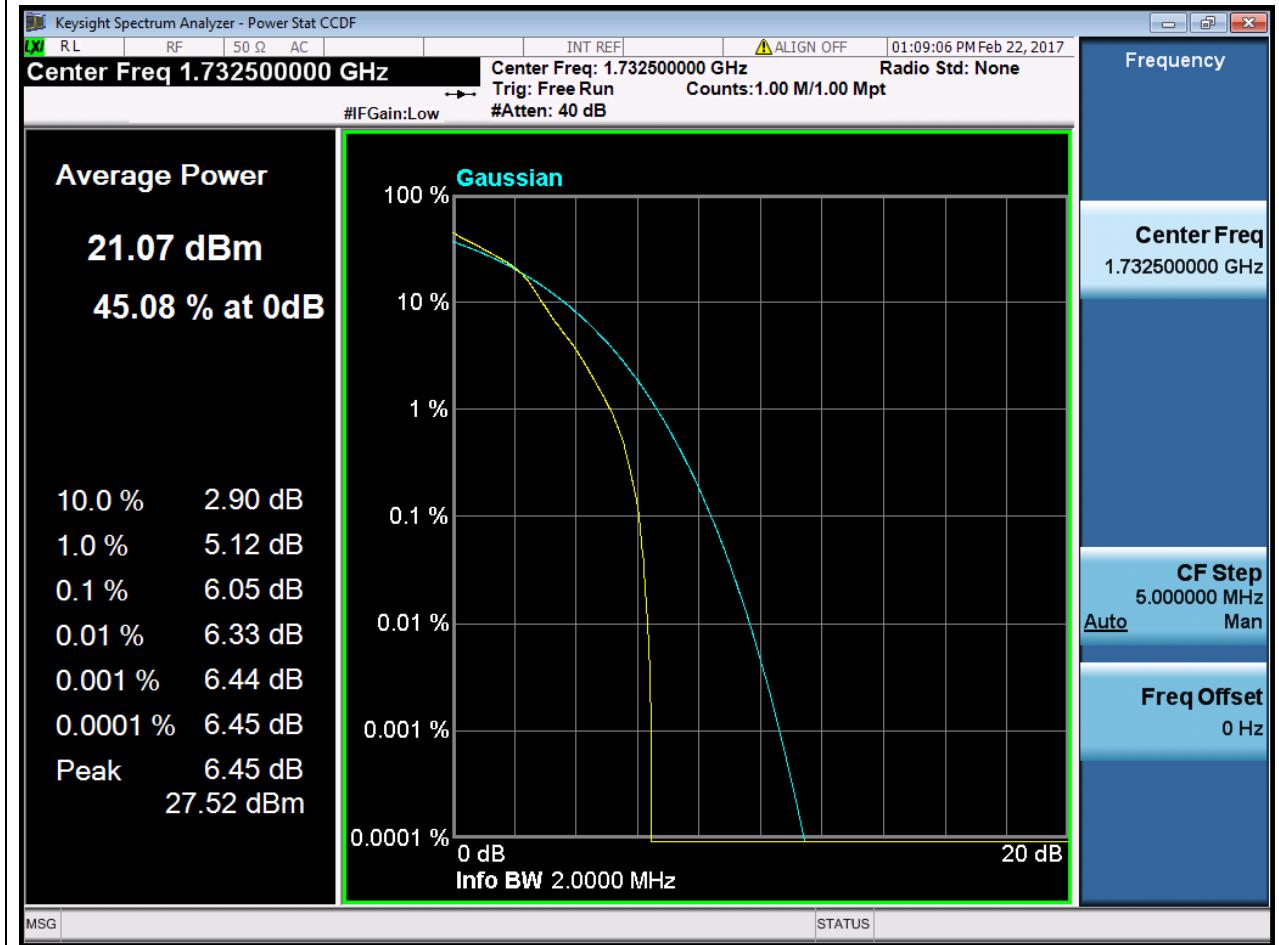


1.13. LTE Peak to Average Ratio(NTNV)(Subtest:13, Channel:20175, Bandwidth:1.4, Modulation:16QAM, RB Number: 3, RB Position:HIGH)



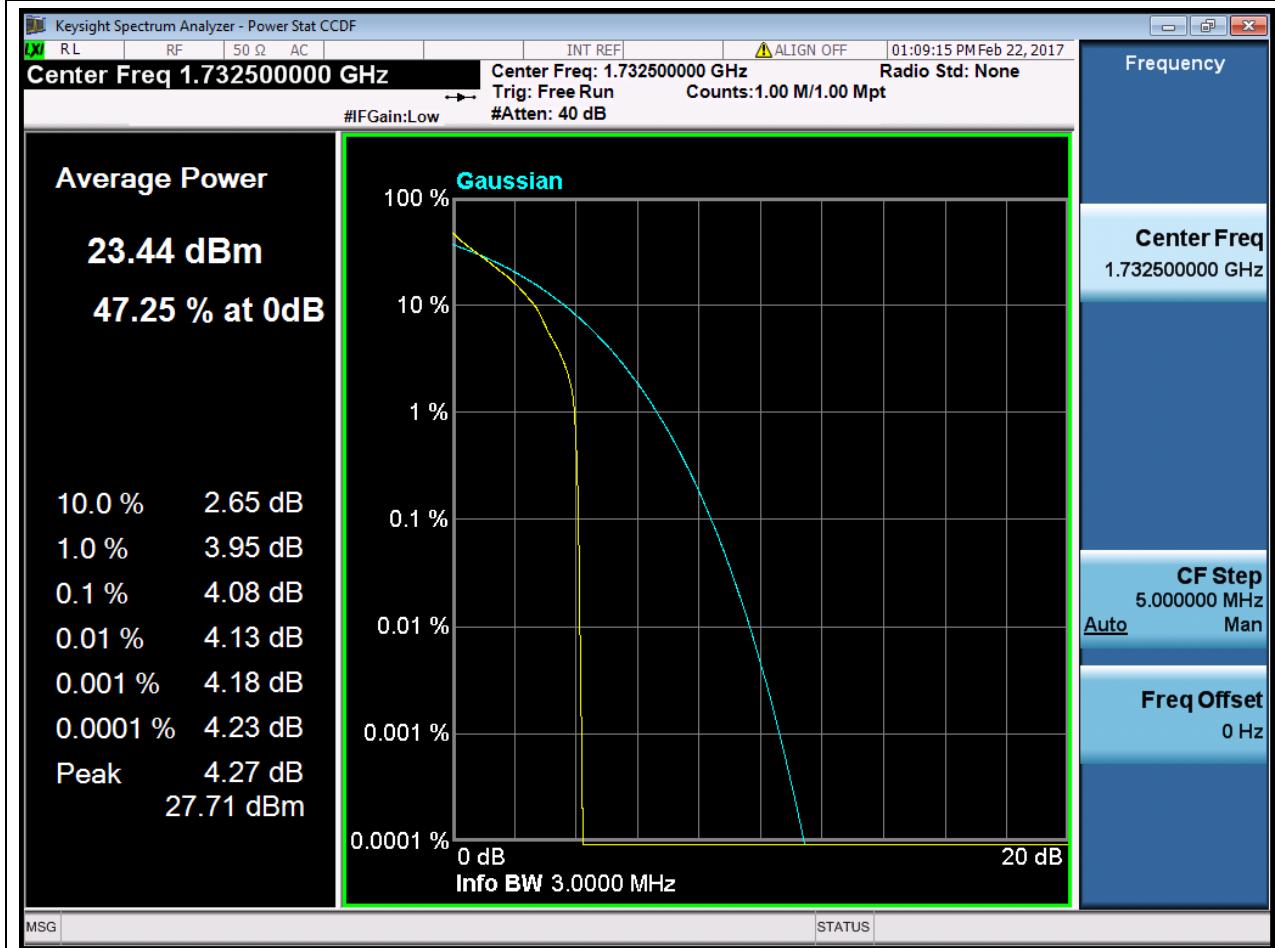
1.14. LTE Peak to Average Ratio(NTNV)(Subtest:14, Channel:20175, Bandwidth:1.4, Modulation:16QAM, RB Number: 6, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	6.05	13	Pass



1.15. LTE Peak to Average Ratio(NTNV)(Subtest:15, Channel:20175, Bandwidth:3, Modulation:QPSK, RB Number: 1, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	4.08	13	Pass



1.16. LTE Peak to Average Ratio(NTNV)(Subtest:16, Channel:20175, Bandwidth:3, Modulation:QPSK, RB Number: 1, RB Position:MID)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	4.04	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 01:09:18 PM Feb 22, 2017

Center Freq 1.732500000 GHz Center Freq: 1.732500000 GHz Radio Std: None
Trig: Free Run Counts: 1.00 M/1.00 Mpt
#IFGain:Low #Atten: 40 dB

Average Power 23.29 dBm
46.12 % at 0dB

10.0 % 2.64 dB
1.0 % 4.00 dB
0.1 % 4.04 dB
0.01 % 4.06 dB
0.001 % 4.09 dB
0.0001 % 4.10 dB
Peak 4.10 dB
27.39 dBm

Gaussian



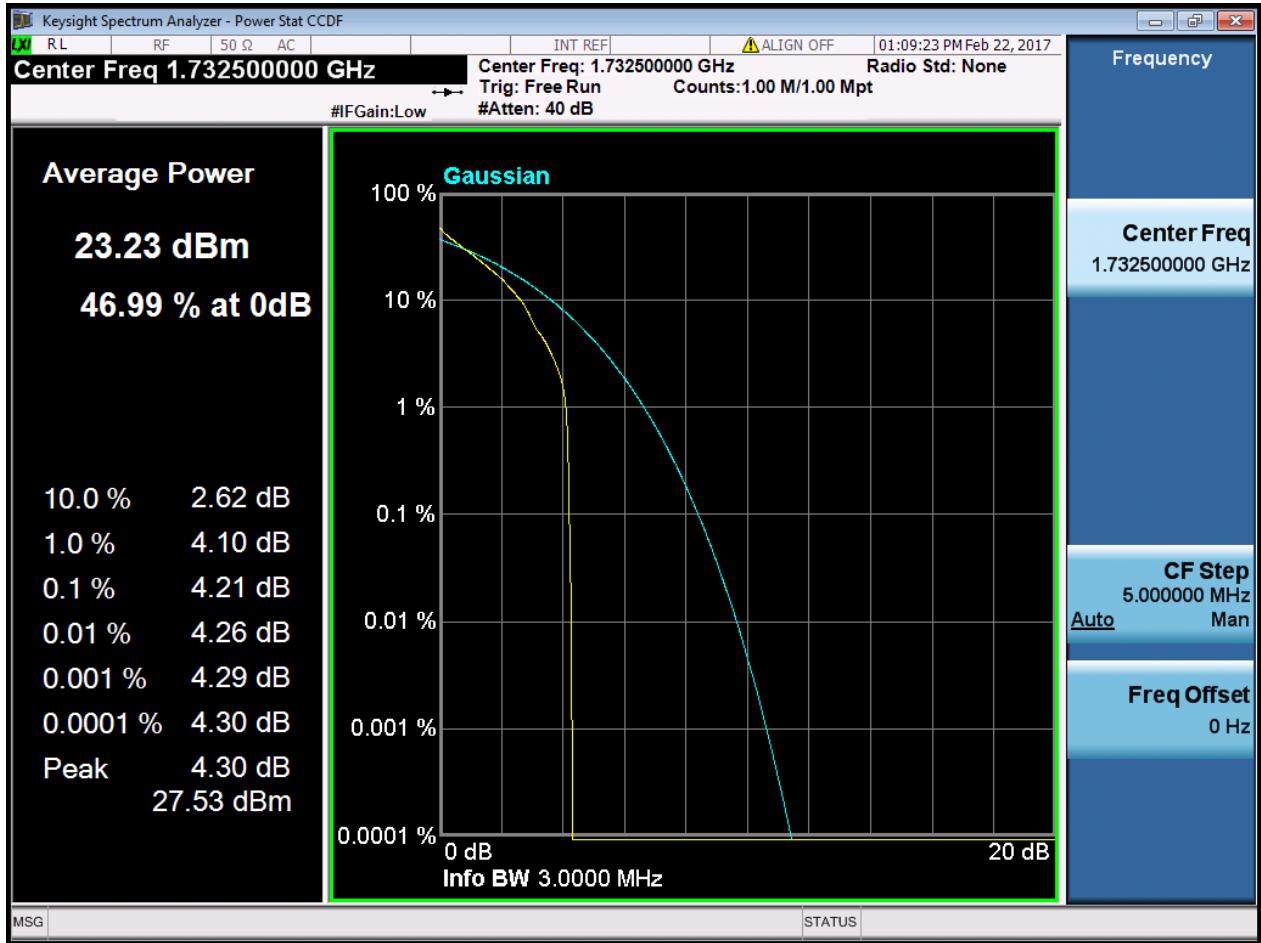
Info BW 3.0000 MHz

Frequency
Center Freq 1.732500000 GHz
CF Step 5.000000 MHz
Auto Man
Freq Offset 0 Hz

MSG STATUS

1.17. LTE Peak to Average Ratio(NTNV)(Subtest:17, Channel:20175, Bandwidth:3, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	4.21	13	Pass

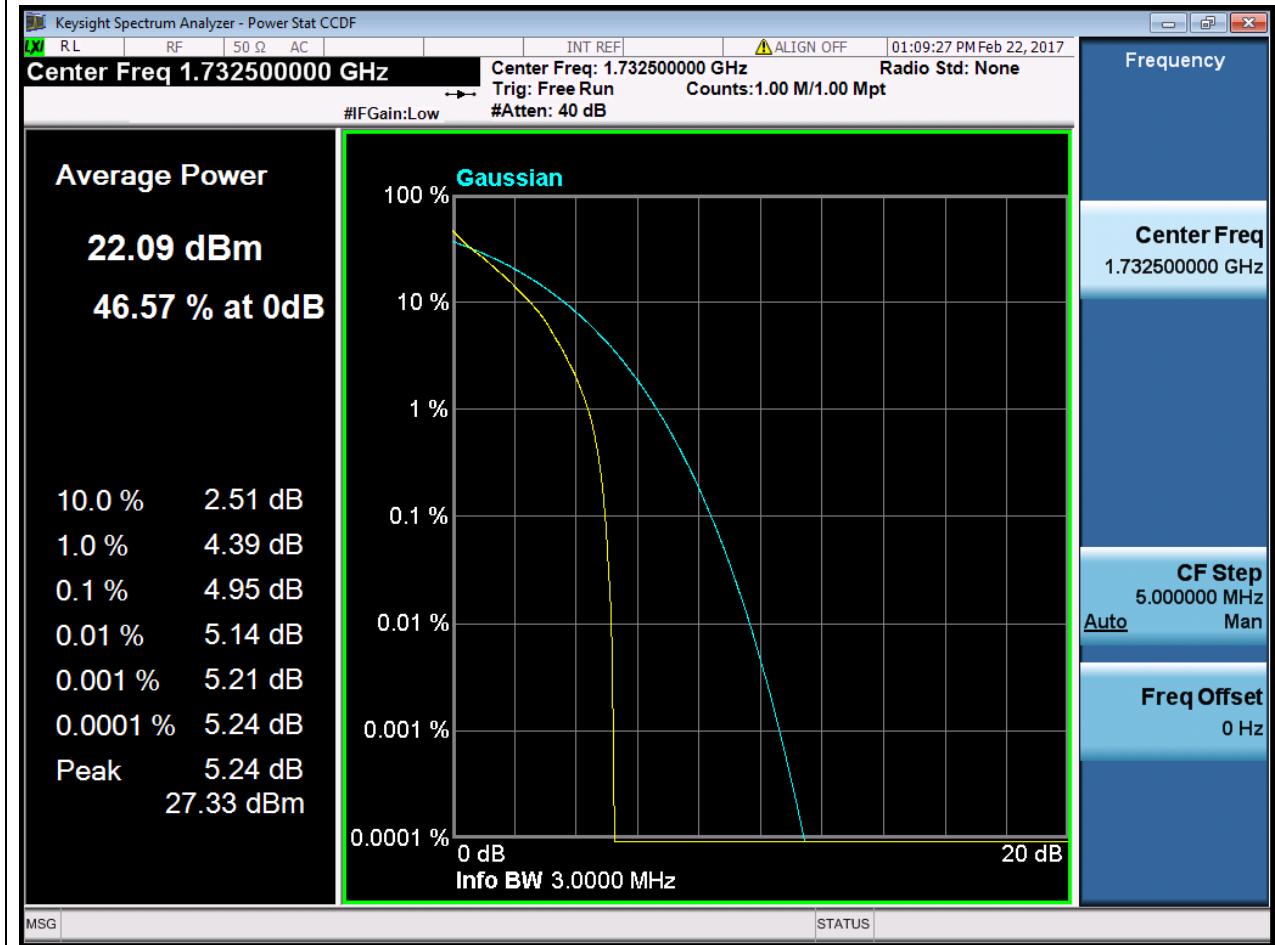


Average Power
23.23 dBm
46.99 % at 0dB

10.0 %	2.62 dB
1.0 %	4.10 dB
0.1 %	4.21 dB
0.01 %	4.26 dB
0.001 %	4.29 dB
0.0001 %	4.30 dB
Peak	4.30 dB
	27.53 dBm

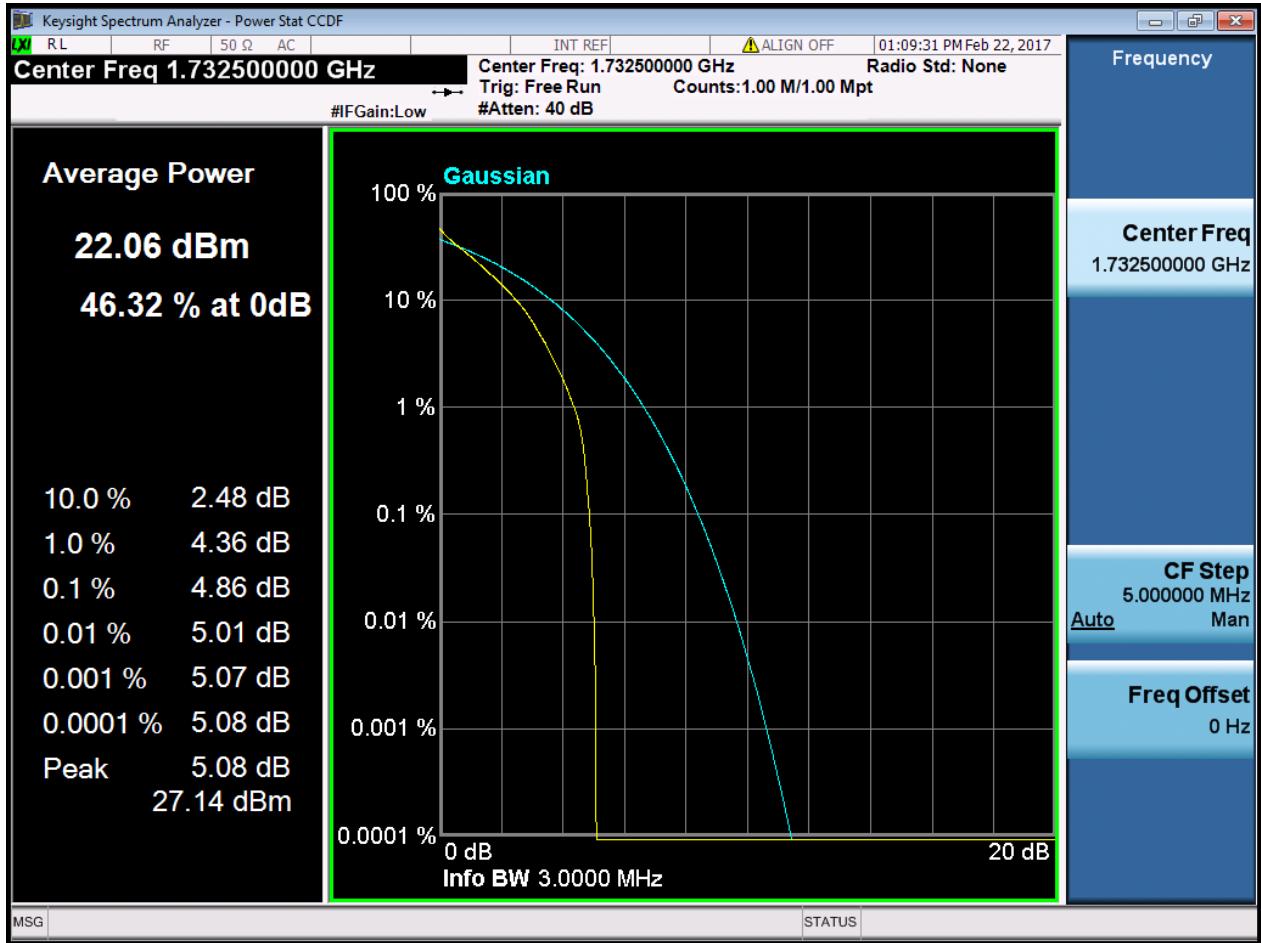
1.18. LTE Peak to Average Ratio(NTNV)(Subtest:18, Channel:20175, Bandwidth:3, Modulation:QPSK, RB Number: 8, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	4.95	13	Pass



1.19. LTE Peak to Average Ratio(NTNV)(Subtest:19, Channel:20175, Bandwidth:3, Modulation:QPSK, RB Number: 8, RB Position:MID)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	4.86	13	Pass



Average Power
22.06 dBm
46.32 % at 0dB

10.0 %	2.48 dB
1.0 %	4.36 dB
0.1 %	4.86 dB
0.01 %	5.01 dB
0.001 %	5.07 dB
0.0001 %	5.08 dB
Peak	5.08 dB
	27.14 dBm

Gaussian

100 %
10 %
1 %
0.1 %
0.01 %
0.001 %
0.0001 %

0 dB 20 dB

Info BW 3.0000 MHz

MSG STATUS

1.20. LTE Peak to Average Ratio(NTNV)(Subtest:20, Channel:20175, Bandwidth:3, Modulation:QPSK, RB Number: 8, RB Position:HIGH)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	4.96	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 01:09:35 PM Feb 22, 2017

Center Freq 1.732500000 GHz Center Freq: 1.732500000 GHz Radio Std: None
Trig: Free Run Counts: 1.00 M/1.00 Mpt
#IFGain:Low #Atten: 40 dB

Average Power 22.00 dBm
46.51 % at 0dB

10.0 % 2.50 dB
1.0 % 4.39 dB
0.1 % 4.96 dB
0.01 % 5.15 dB
0.001 % 5.21 dB
0.0001 % 5.22 dB
Peak 5.22 dB
27.22 dBm

Gaussian

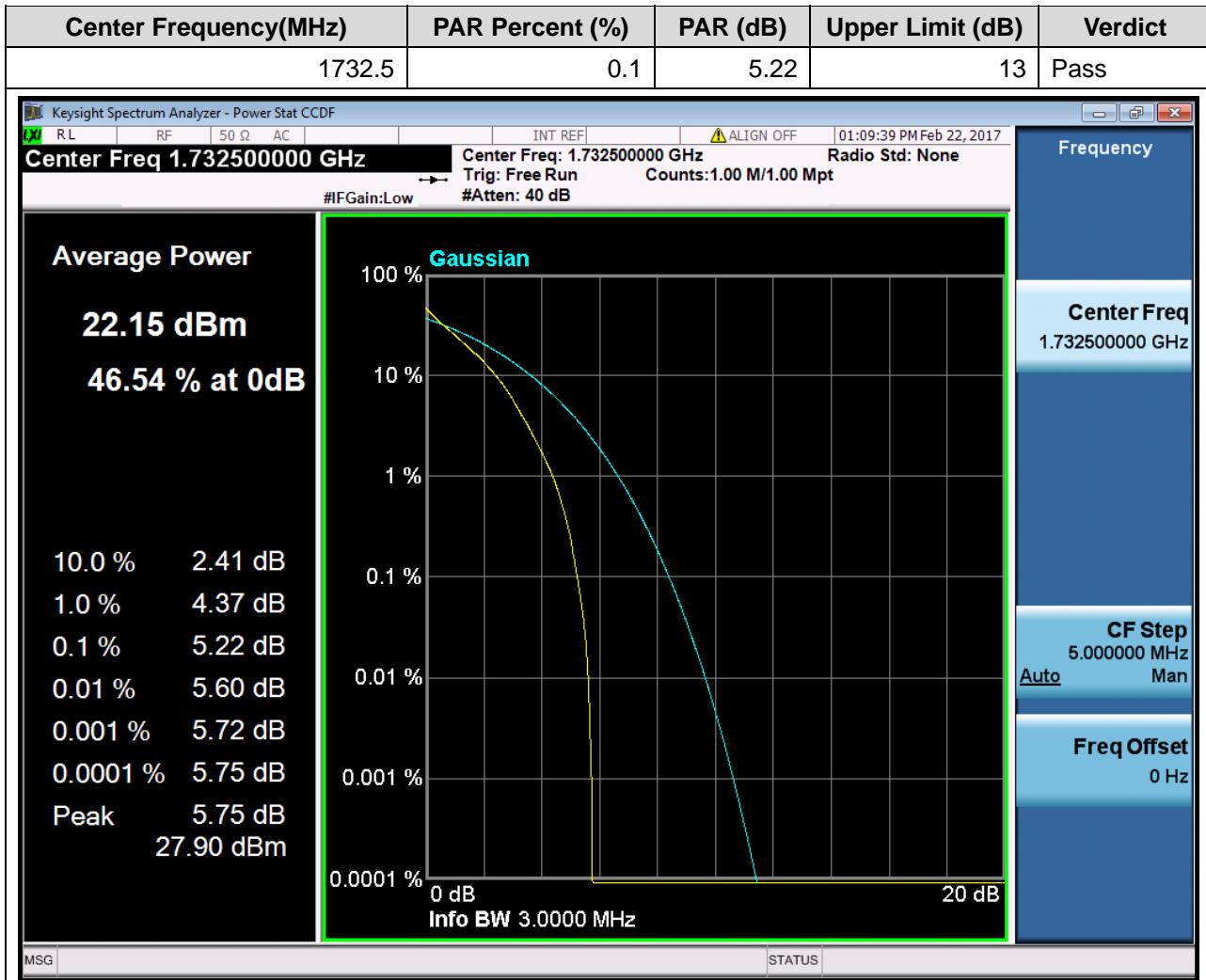


0 dB 20 dB
Info BW 3.0000 MHz

Frequency
Center Freq 1.732500000 GHz
CF Step 5.000000 MHz Man
Freq Offset 0 Hz

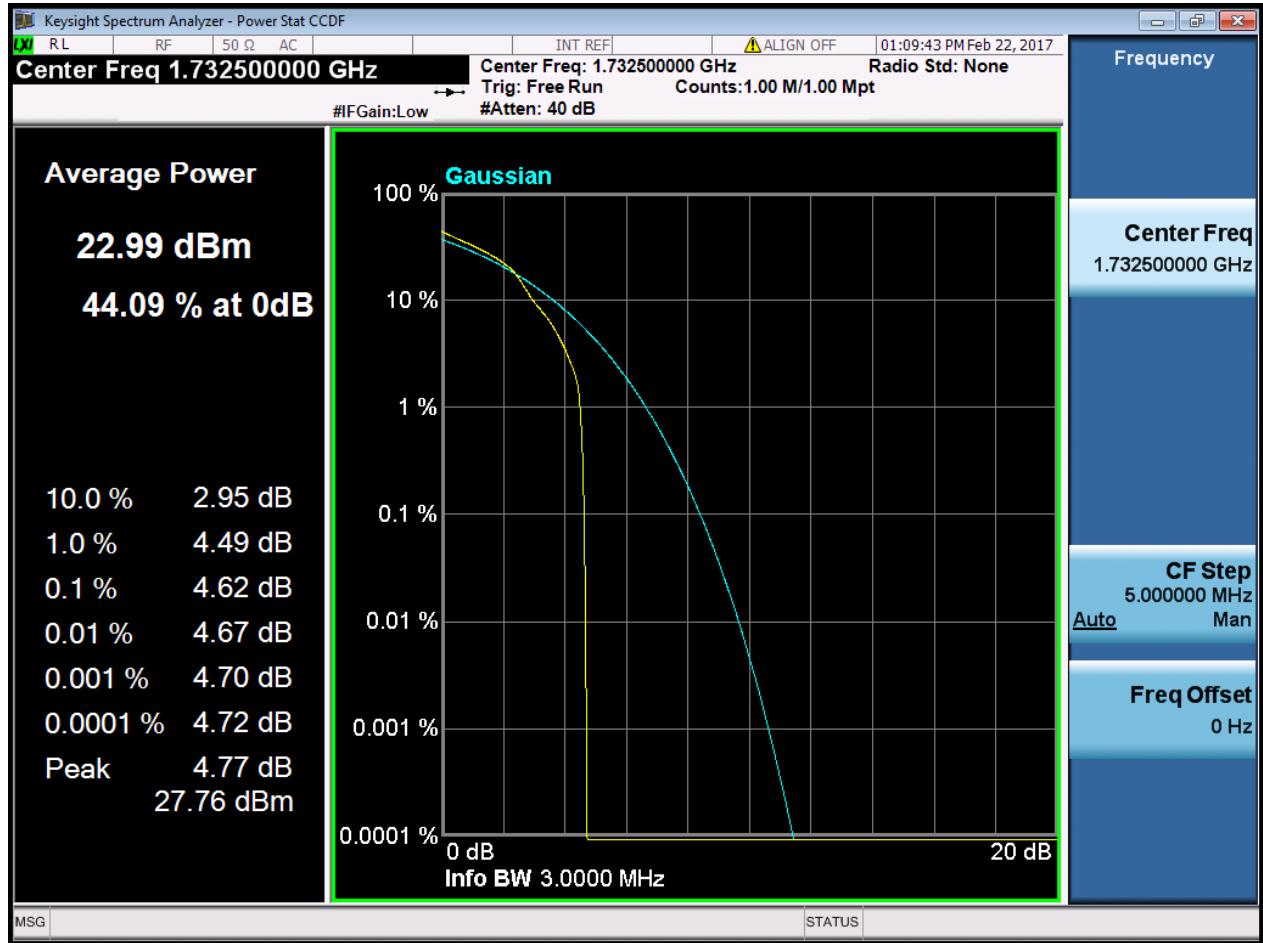
MSG STATUS

1.21. LTE Peak to Average Ratio(NTNV)(Subtest:21, Channel:20175, Bandwidth:3, Modulation:QPSK, RB Number: 15, RB Position:LOW)



1.22. LTE Peak to Average Ratio(NTNV)(Subtest:22, Channel:20175, Bandwidth:3, Modulation:16QAM, RB Number: 1, RB Position:LOW)

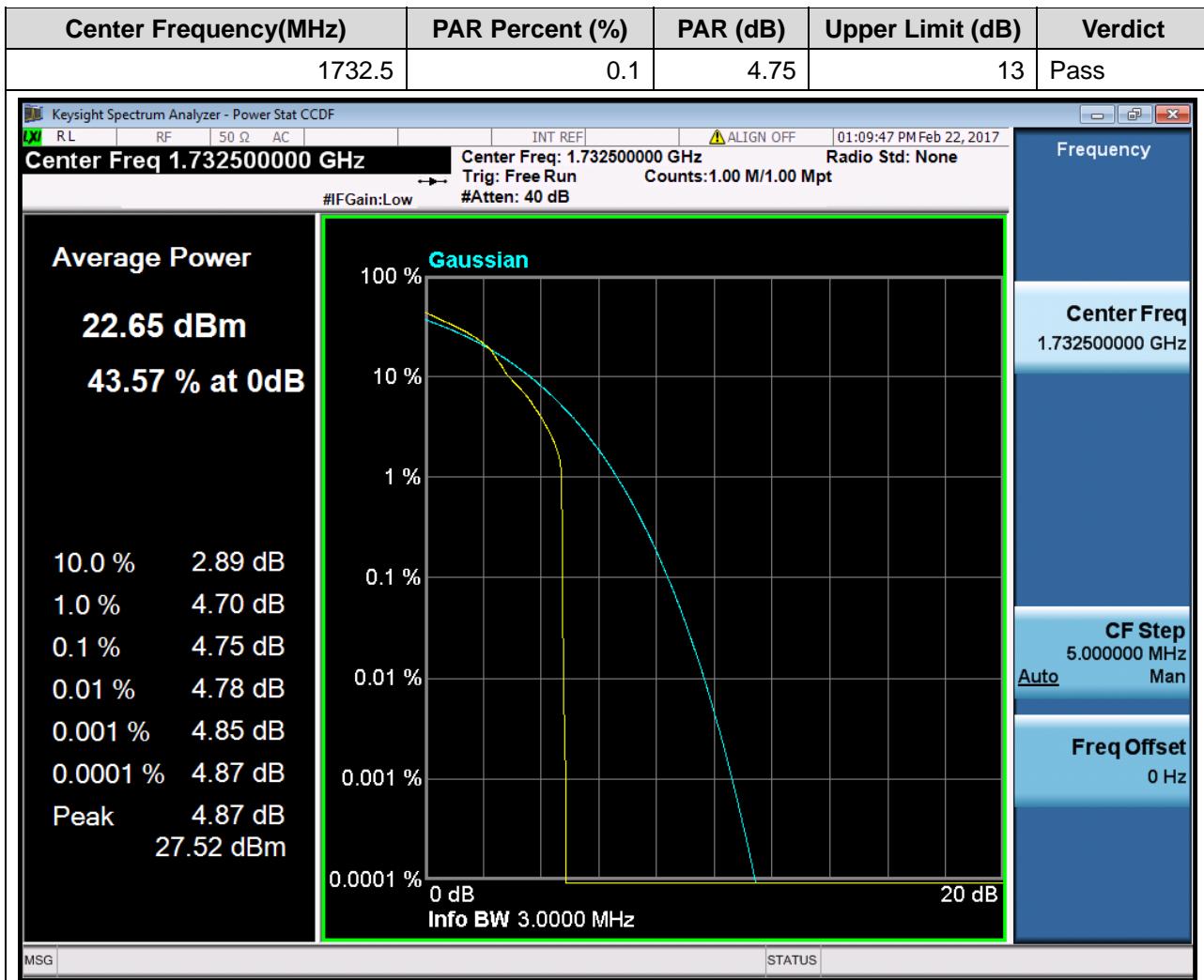
Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	4.62	13	Pass



The screenshot shows the Keysight Spectrum Analyzer interface with the following details:

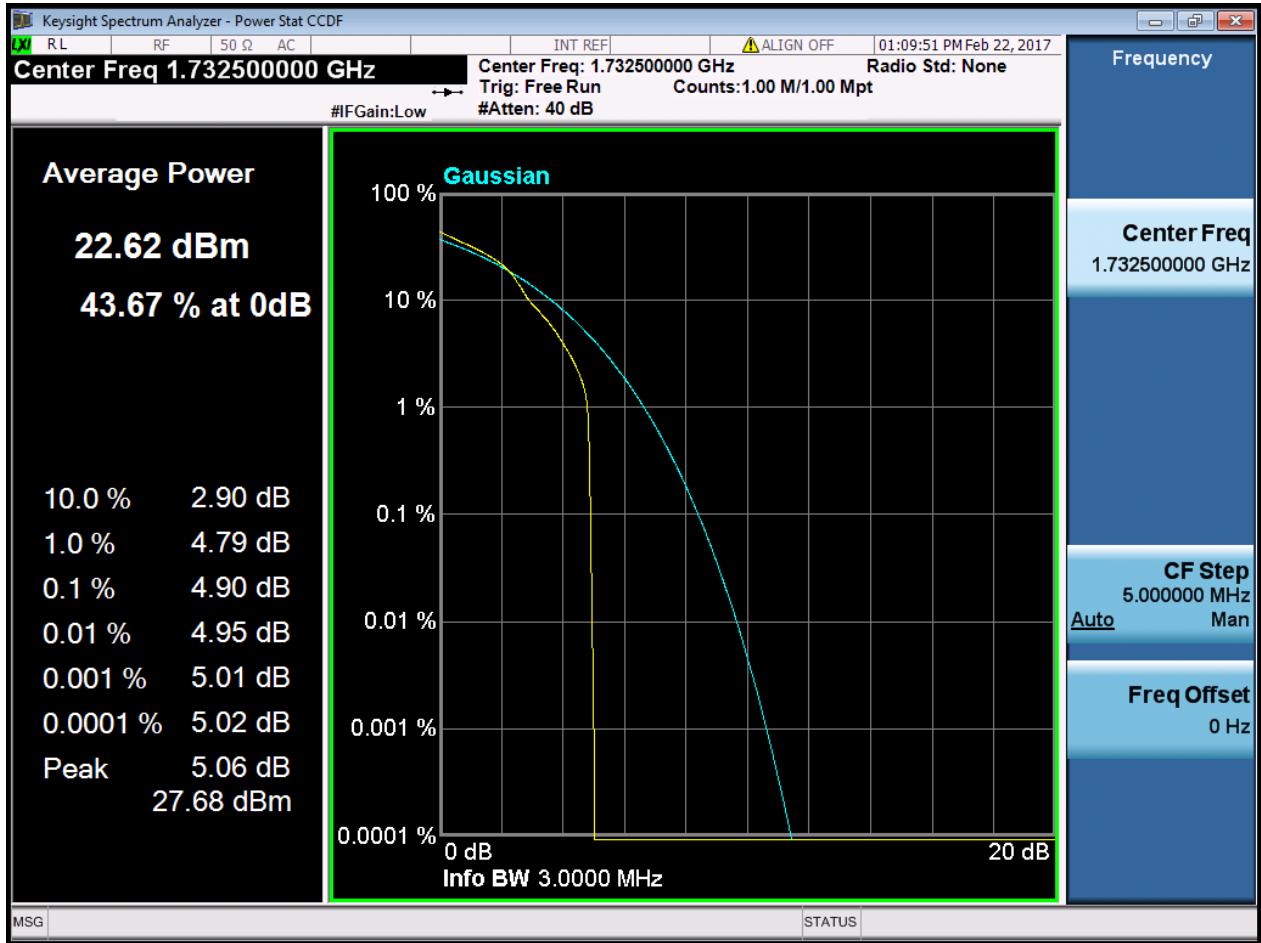
- Center Freq:** 1.732500000 GHz
- Radio Std:** None
- Trig:** Free Run
- Counts:** 1.00 M/1.00 Mpt
- #IFGain:** Low
- #Atten:** 40 dB
- Average Power:** 22.99 dBm
- 44.09 % at 0dB**
- Peak:** 4.77 dB
- 27.76 dBm**
- Info BW:** 3.0000 MHz
- Gaussian Fit:** The plot shows a Gaussian distribution curve overlaid on the measured data.
- Y-axis:** Logarithmic scale from 0.0001 % to 100 %.
- X-axis:** Linear scale from 0 dB to 20 dB.

1.23. LTE Peak to Average Ratio(NTNV)(Subtest:23, Channel:20175, Bandwidth:3, Modulation:16QAM, RB Number: 1, RB Position:MID)



1.24. LTE Peak to Average Ratio(NTNV)(Subtest:24, Channel:20175, Bandwidth:3, Modulation:16QAM, RB Number: 1, RB Position:HIGH)

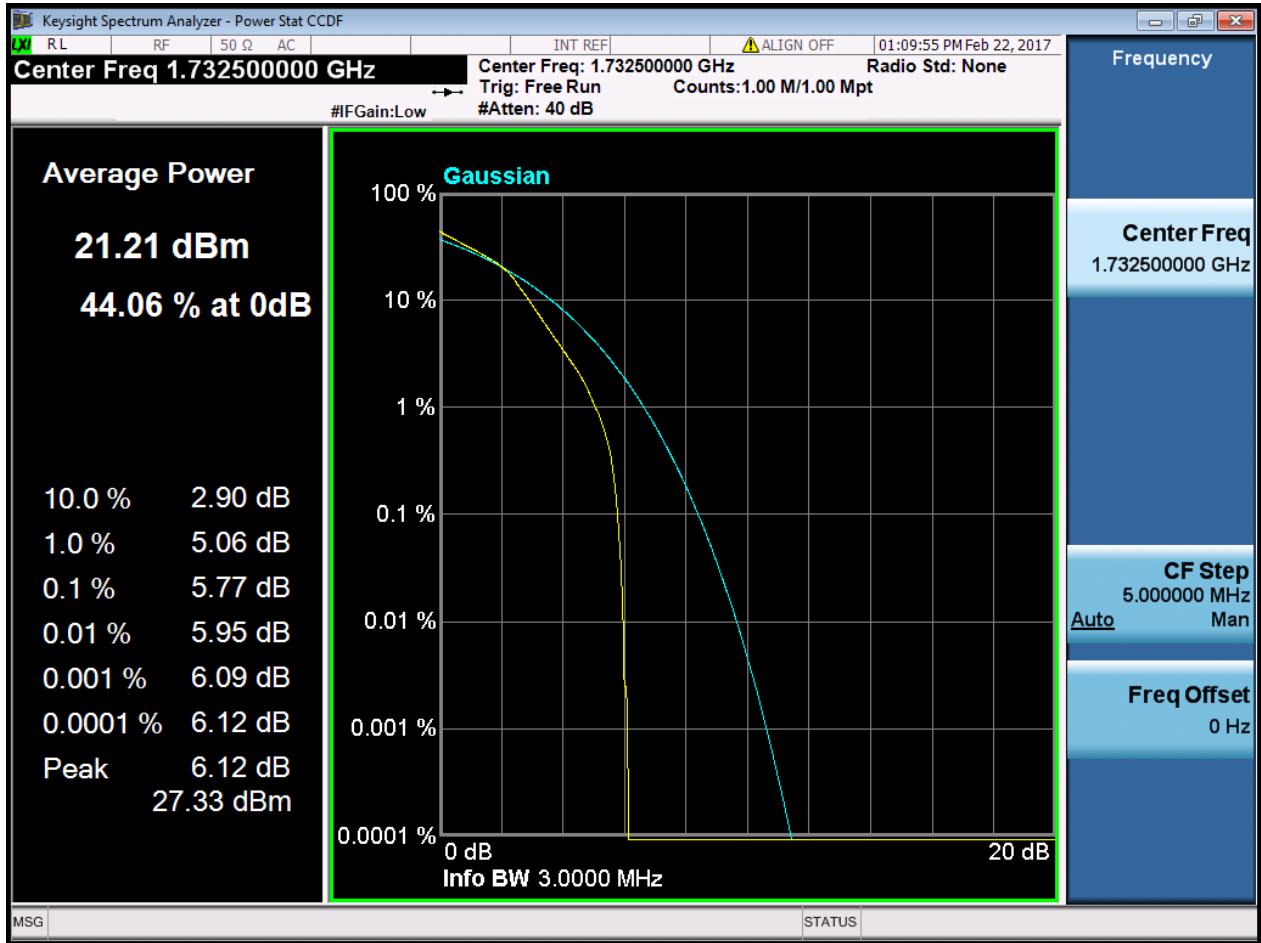
Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	4.9	13	Pass



10.0 %	2.90 dB
1.0 %	4.79 dB
0.1 %	4.90 dB
0.01 %	4.95 dB
0.001 %	5.01 dB
0.0001 %	5.02 dB
Peak	5.06 dB
	27.68 dBm

1.25. LTE Peak to Average Ratio(NTNV)(Subtest:25, Channel:20175, Bandwidth:3, Modulation:16QAM, RB Number: 8, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	5.77	13	Pass



Average Power
21.21 dBm
44.06 % at 0dB

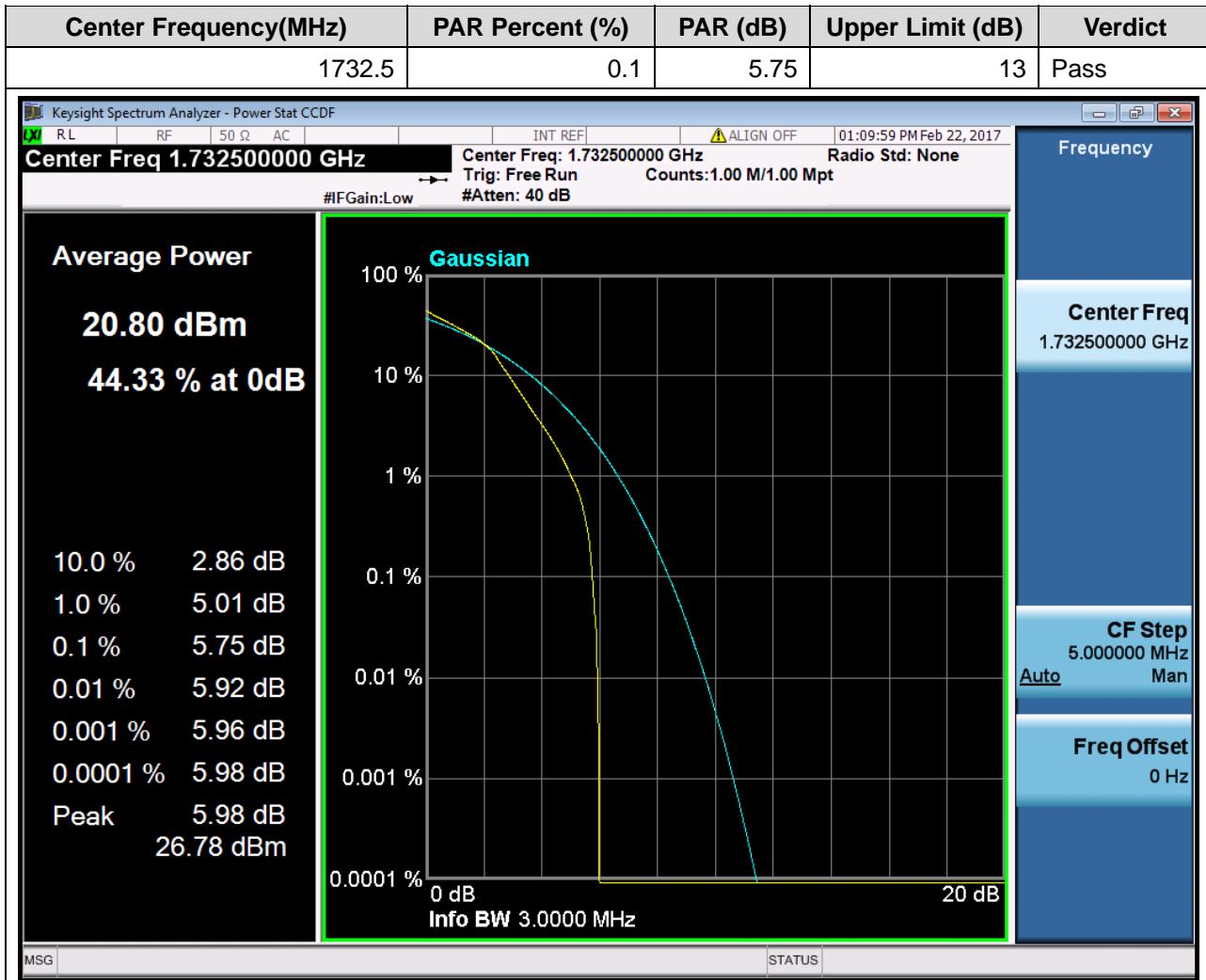
10.0 %	2.90 dB
1.0 %	5.06 dB
0.1 %	5.77 dB
0.01 %	5.95 dB
0.001 %	6.09 dB
0.0001 %	6.12 dB
Peak	6.12 dB
	27.33 dBm

Gaussian

Center Freq 1.732500000 GHz
 Radio Std: None
 Trig: Free Run Counts:1.00 M/1.00 Mpt
 #IFGain:Low #Atten: 40 dB

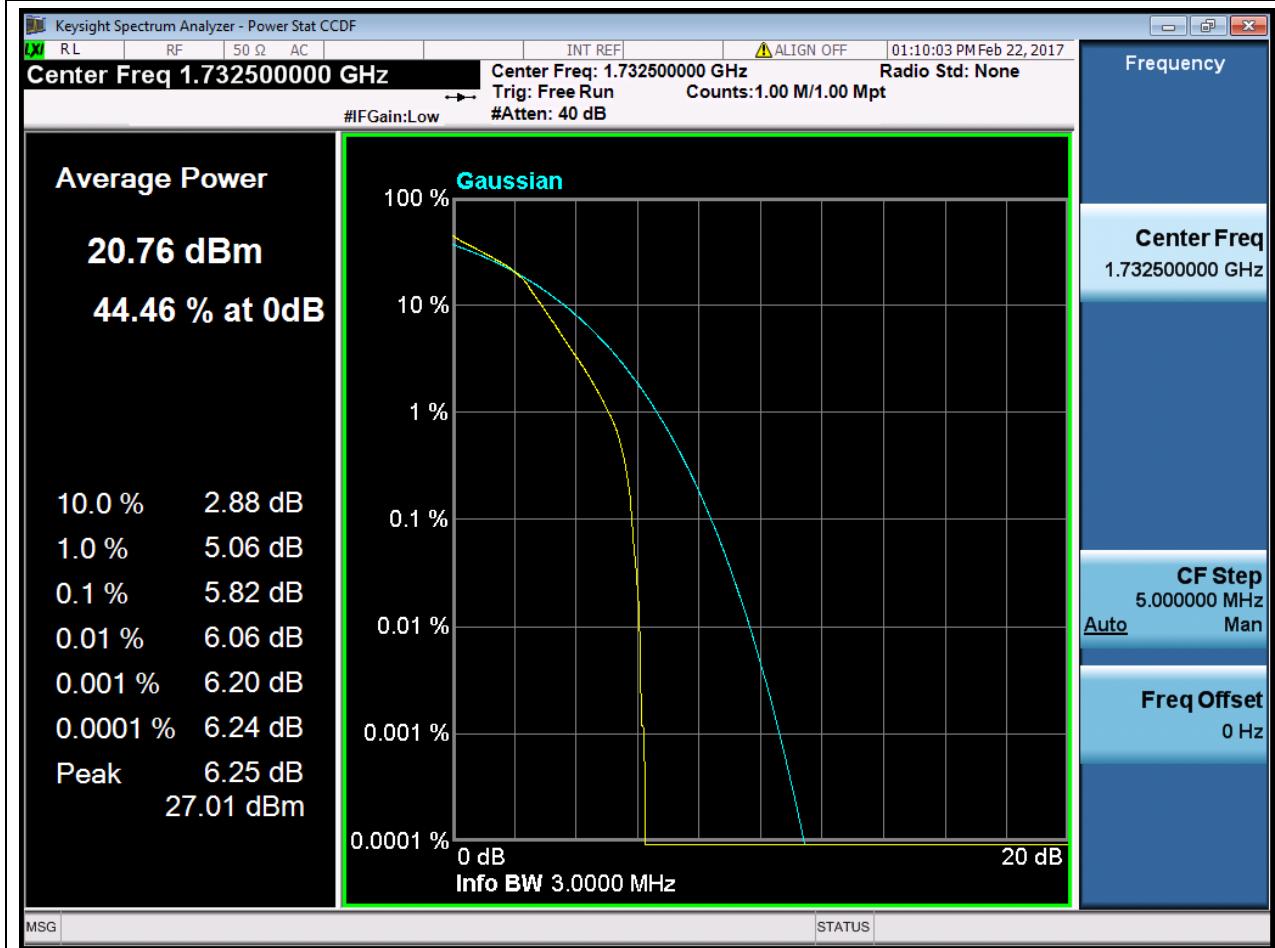
Frequency
 Center Freq 1.732500000 GHz
 CF Step 5.000000 MHz Man
 Auto
 Freq Offset 0 Hz

1.26. LTE Peak to Average Ratio(NTNV)(Subtest:26, Channel:20175, Bandwidth:3, Modulation:16QAM, RB Number: 8, RB Position:MID)

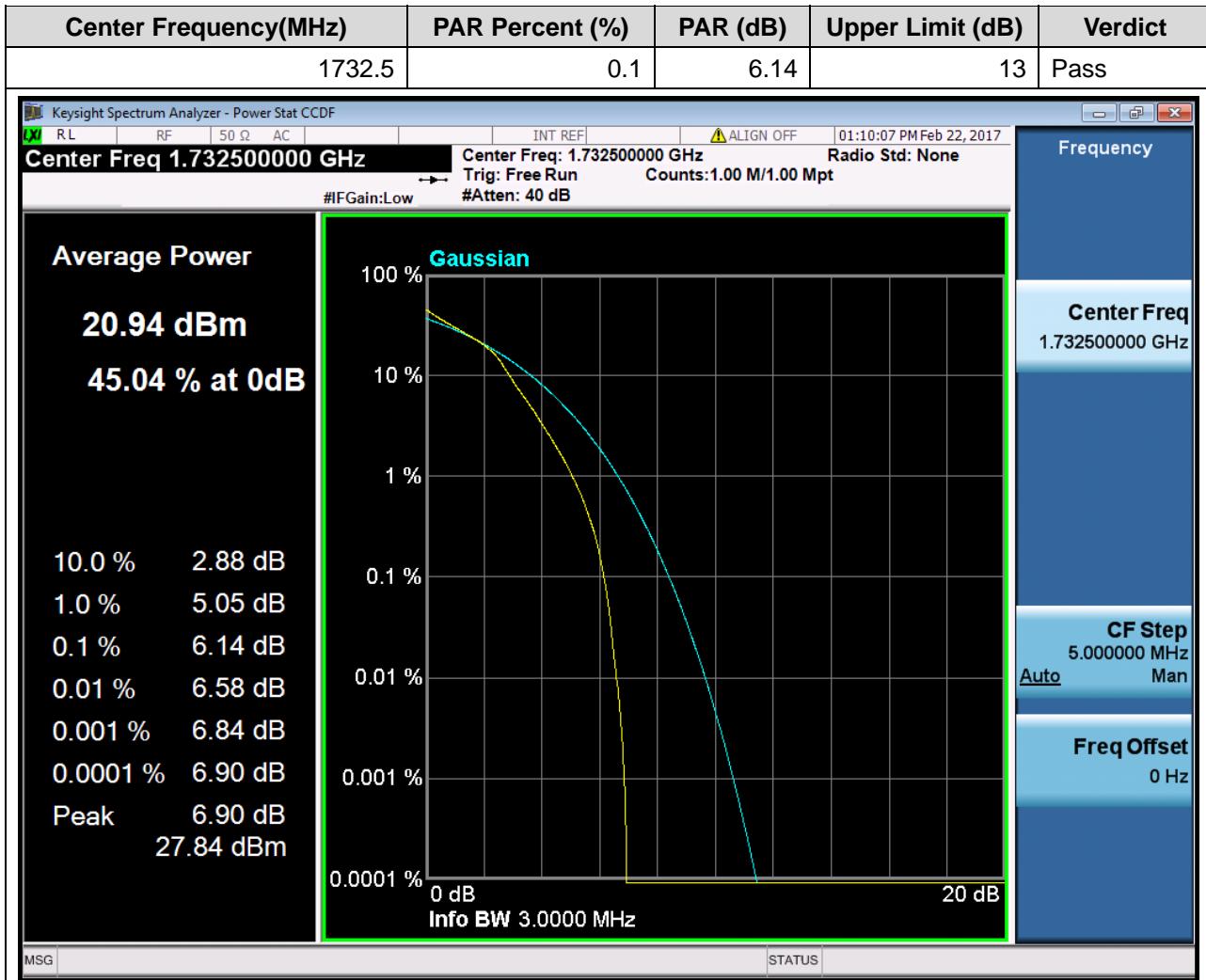


1.27. LTE Peak to Average Ratio(NTNV)(Subtest:27, Channel:20175, Bandwidth:3, Modulation:16QAM, RB Number: 8, RB Position:HIGH)

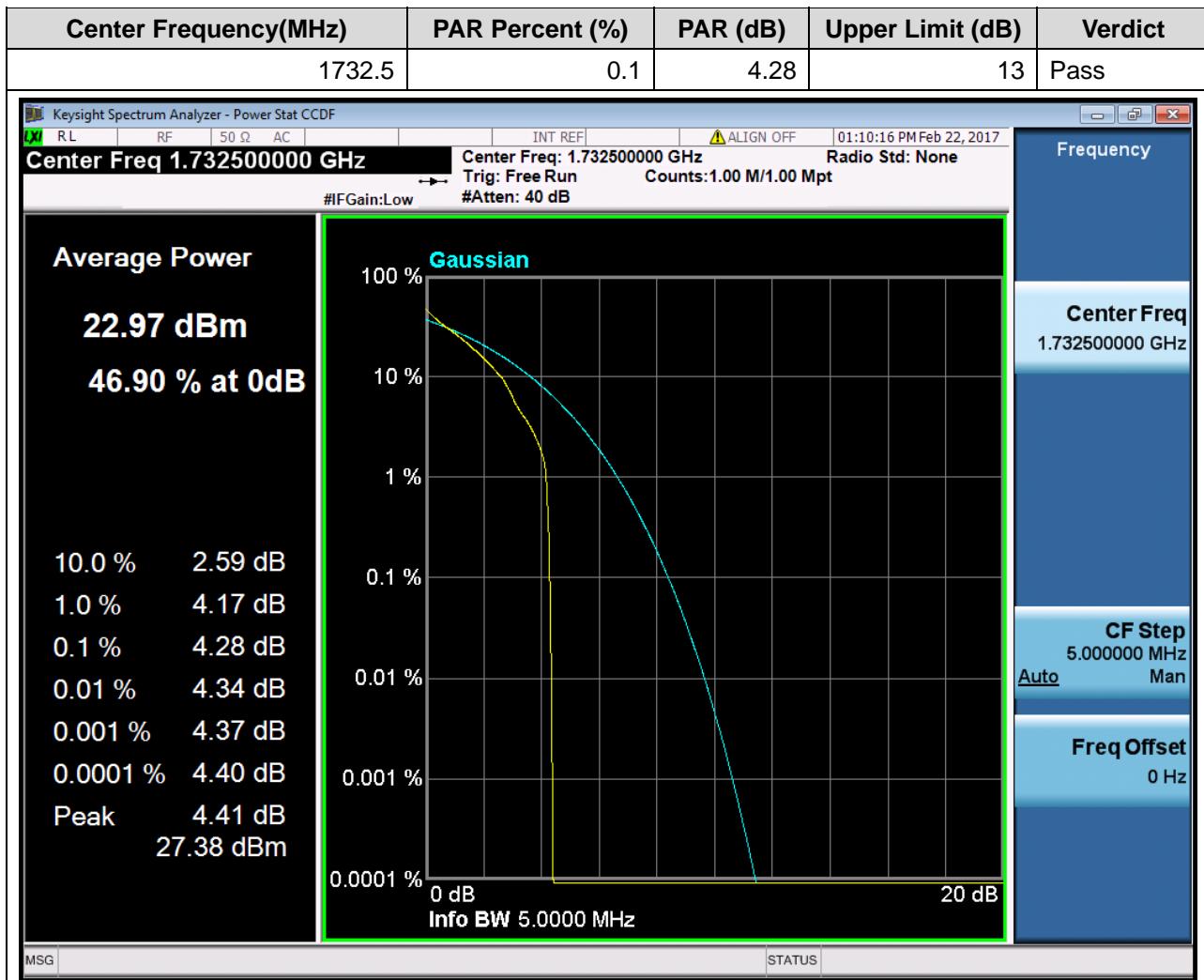
Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	5.82	13	Pass



1.28. LTE Peak to Average Ratio(NTNV)(Subtest:28, Channel:20175, Bandwidth:3, Modulation:16QAM, RB Number: 15, RB Position:LOW)

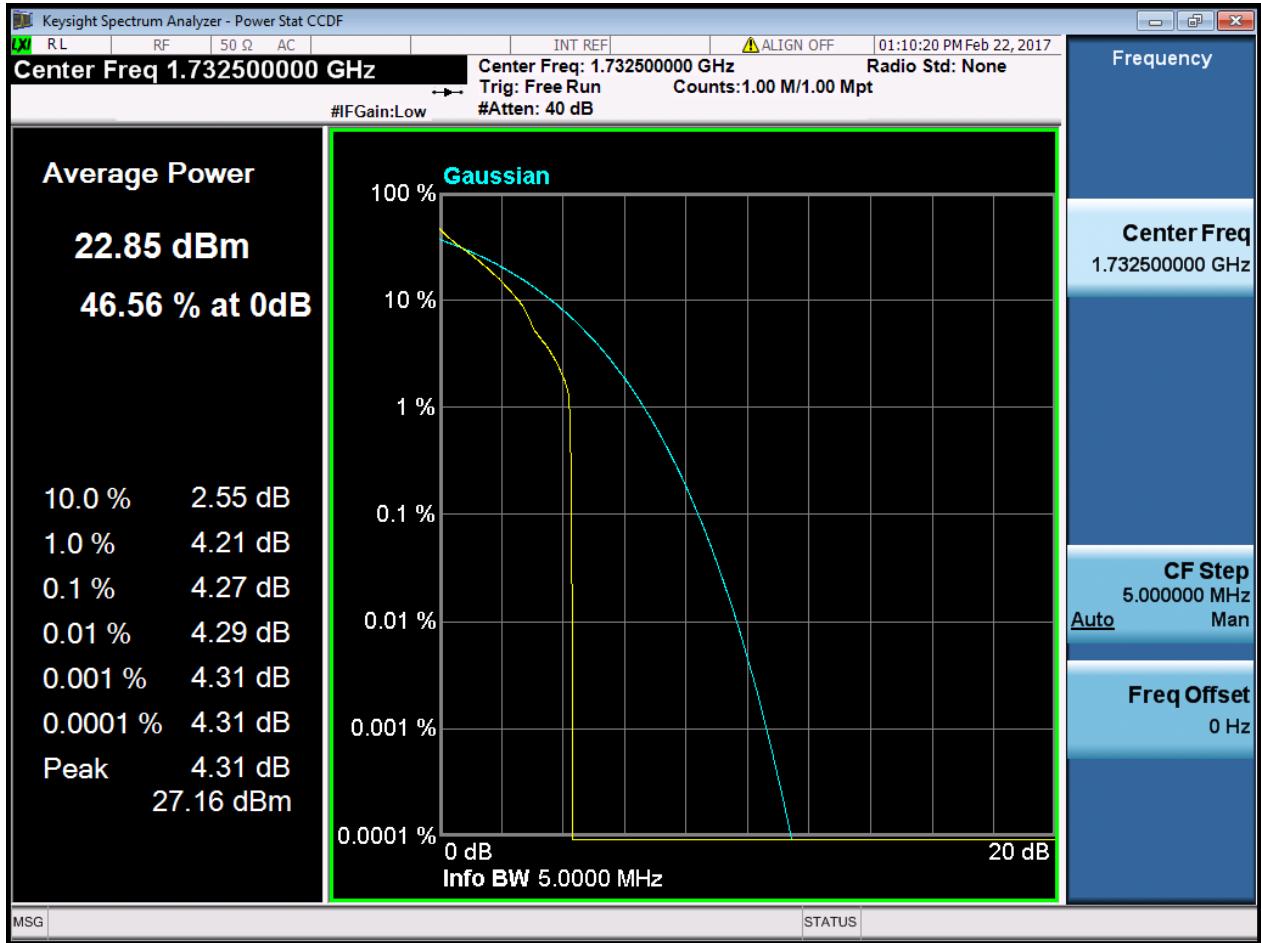


1.29. LTE Peak to Average Ratio(NTNV)(Subtest:29, Channel:20175, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:LOW)



1.30. LTE Peak to Average Ratio(NTNV)(Subtest:30, Channel:20175, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:MID)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	4.27	13	Pass



The screenshot shows the Keysight Spectrum Analyzer interface for a Power Stat CCDF analysis. The main plot displays a Gaussian-like curve representing the power spectral density. The Y-axis is logarithmic, ranging from 0.0001 % to 100 %. The X-axis is linear, ranging from 0 dB to 20 dB. A vertical yellow line marks the peak at 0 dB. The plot title is "Gaussian". The status bar at the bottom indicates "Info BW 5.0000 MHz". On the left, a summary table provides detailed PAR data:

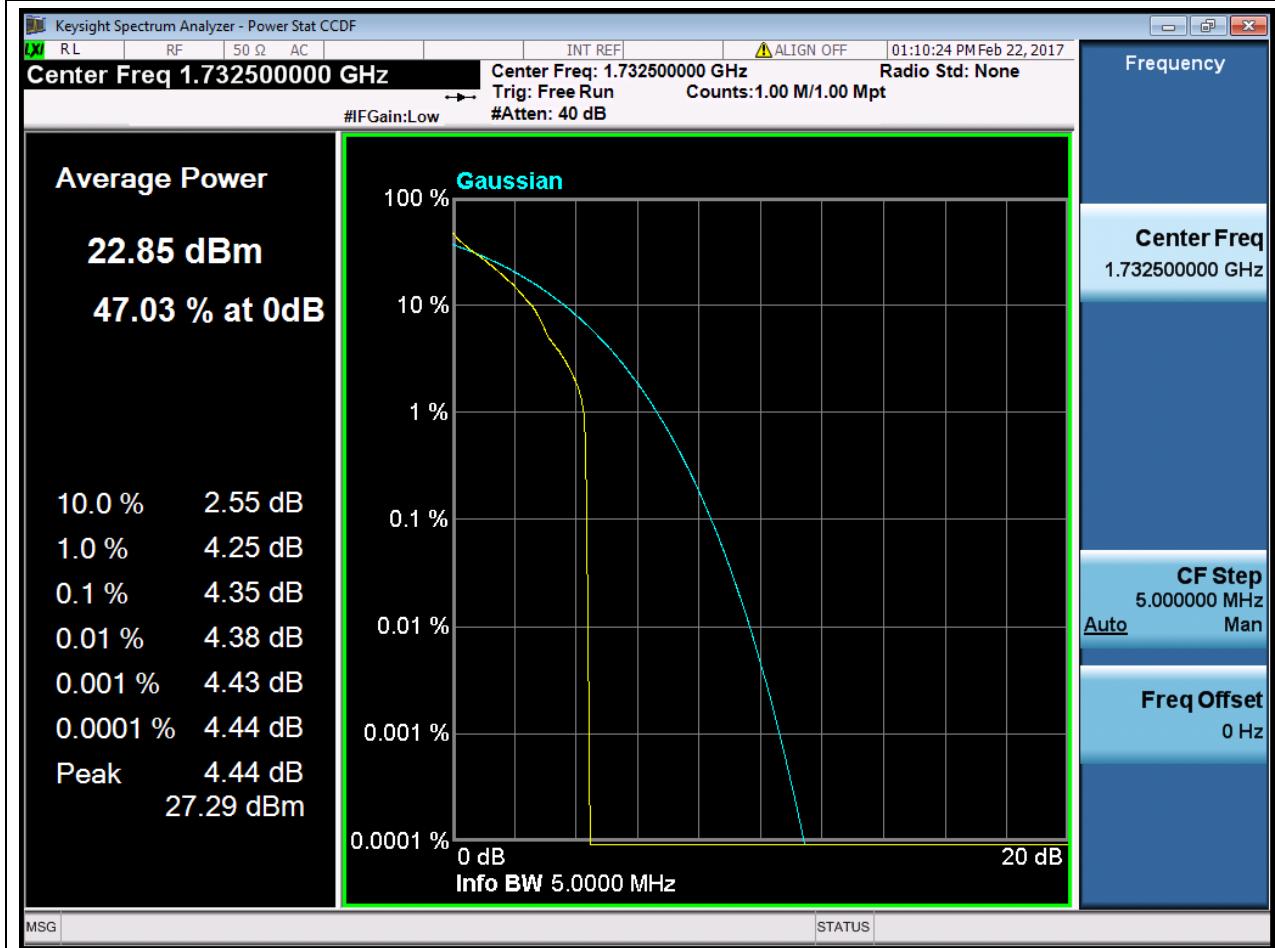
Average Power	22.85 dBm
	46.56 % at 0dB
10.0 %	2.55 dB
1.0 %	4.21 dB
0.1 %	4.27 dB
0.01 %	4.29 dB
0.001 %	4.31 dB
0.0001 %	4.31 dB
Peak	4.31 dB
	27.16 dBm

On the right side of the interface, there are several configuration parameters displayed in blue boxes:

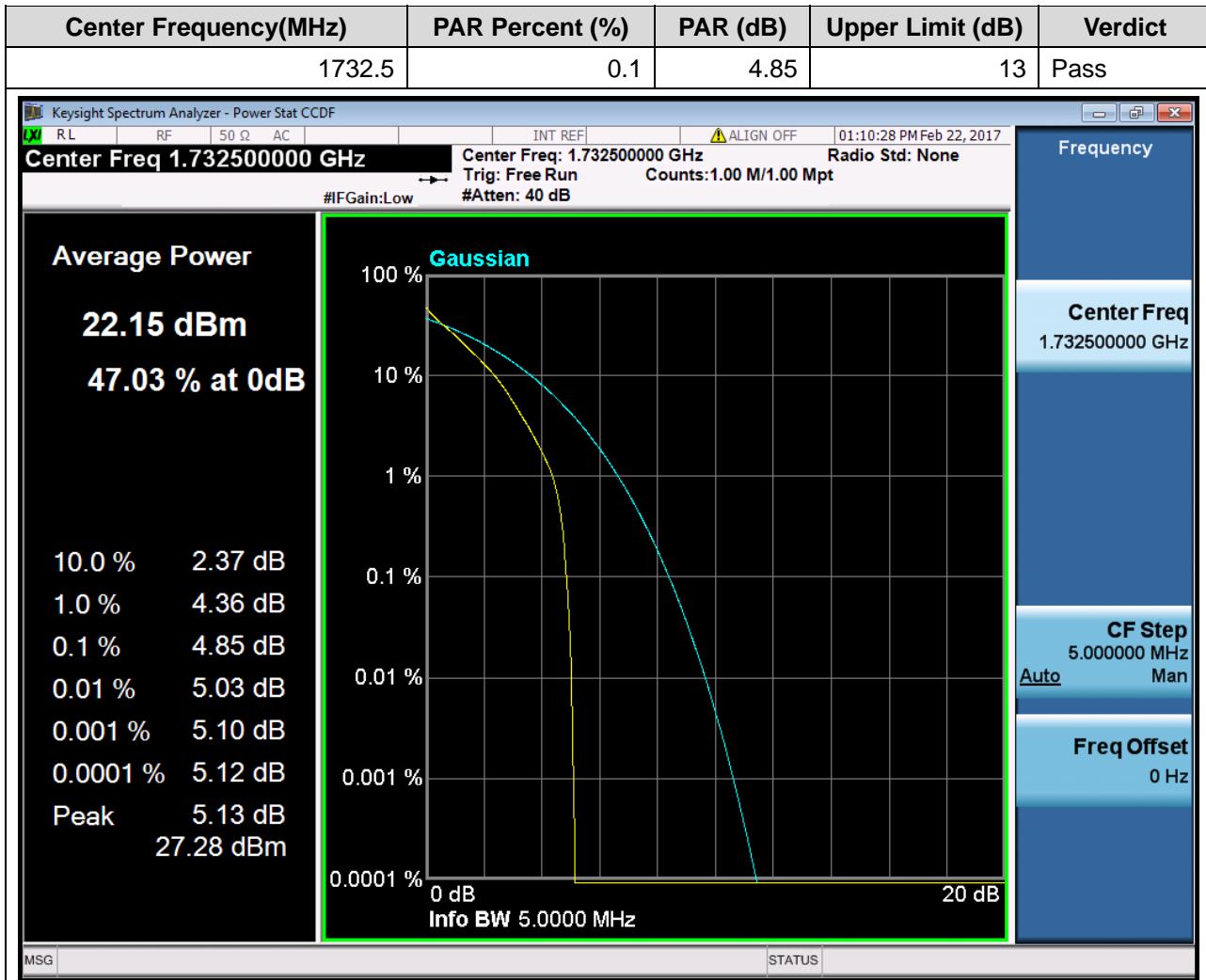
- Frequency: Center Freq 1.732500000 GHz
- CF Step: 5.000000 MHz
- Freq Offset: 0 Hz

1.31. LTE Peak to Average Ratio(NTNV)(Subtest:31, Channel:20175, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	4.35	13	Pass

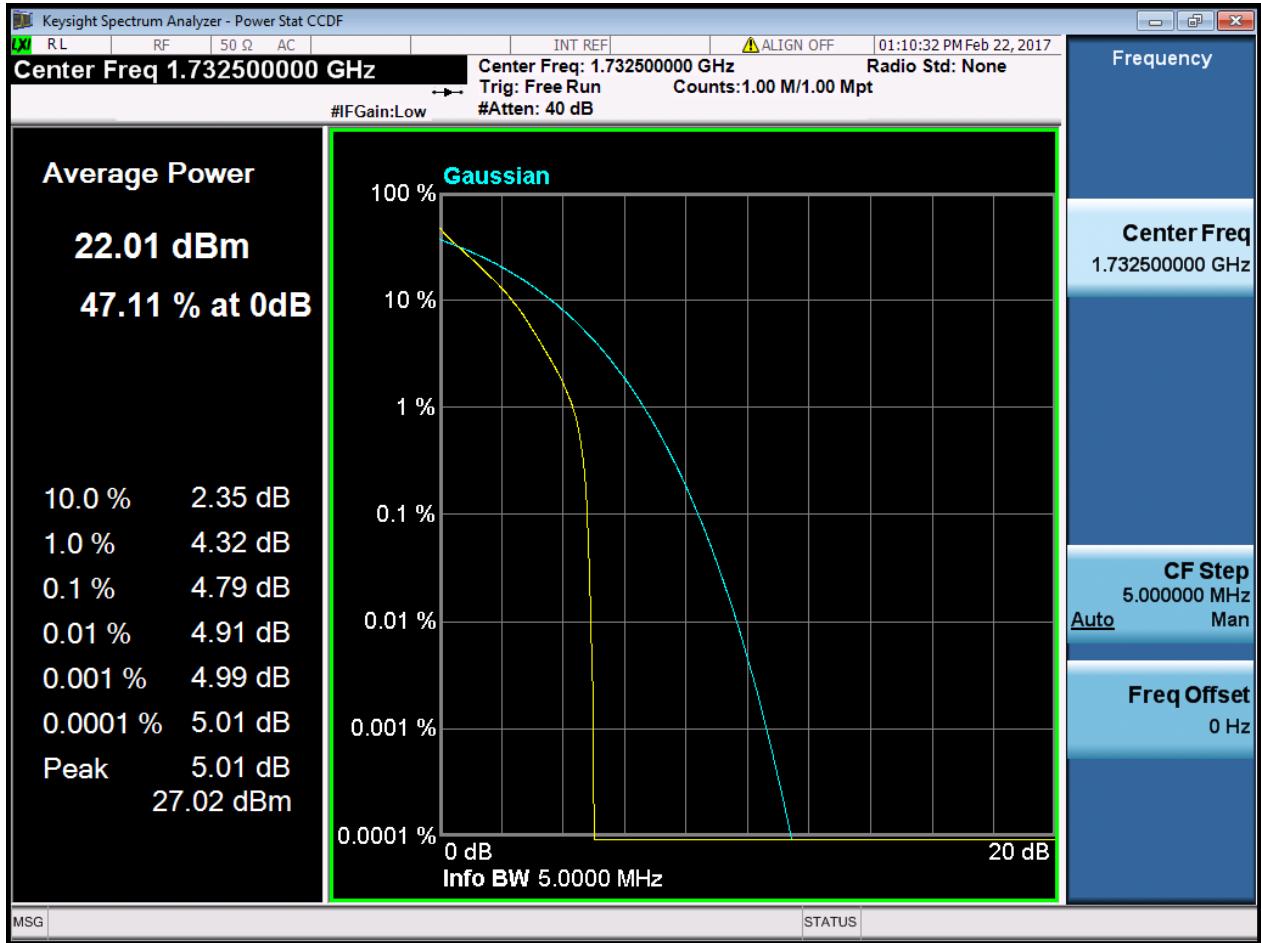


1.32. LTE Peak to Average Ratio(NTNV)(Subtest:32, Channel:20175, Bandwidth:5, Modulation:QPSK, RB Number: 12, RB Position:LOW)



1.33. LTE Peak to Average Ratio(NTNV)(Subtest:33, Channel:20175, Bandwidth:5, Modulation:QPSK, RB Number: 12, RB Position:MID)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	4.79	13	Pass



Average Power
22.01 dBm
47.11 % at 0dB

10.0 %	2.35 dB
1.0 %	4.32 dB
0.1 %	4.79 dB
0.01 %	4.91 dB
0.001 %	4.99 dB
0.0001 %	5.01 dB
Peak	5.01 dB
	27.02 dBm

Gaussian

100 %
 10 %
 1 %
 0.1 %
 0.01 %
 0.001 %
 0.0001 %

0 dB 20 dB

Info BW 5.0000 MHz

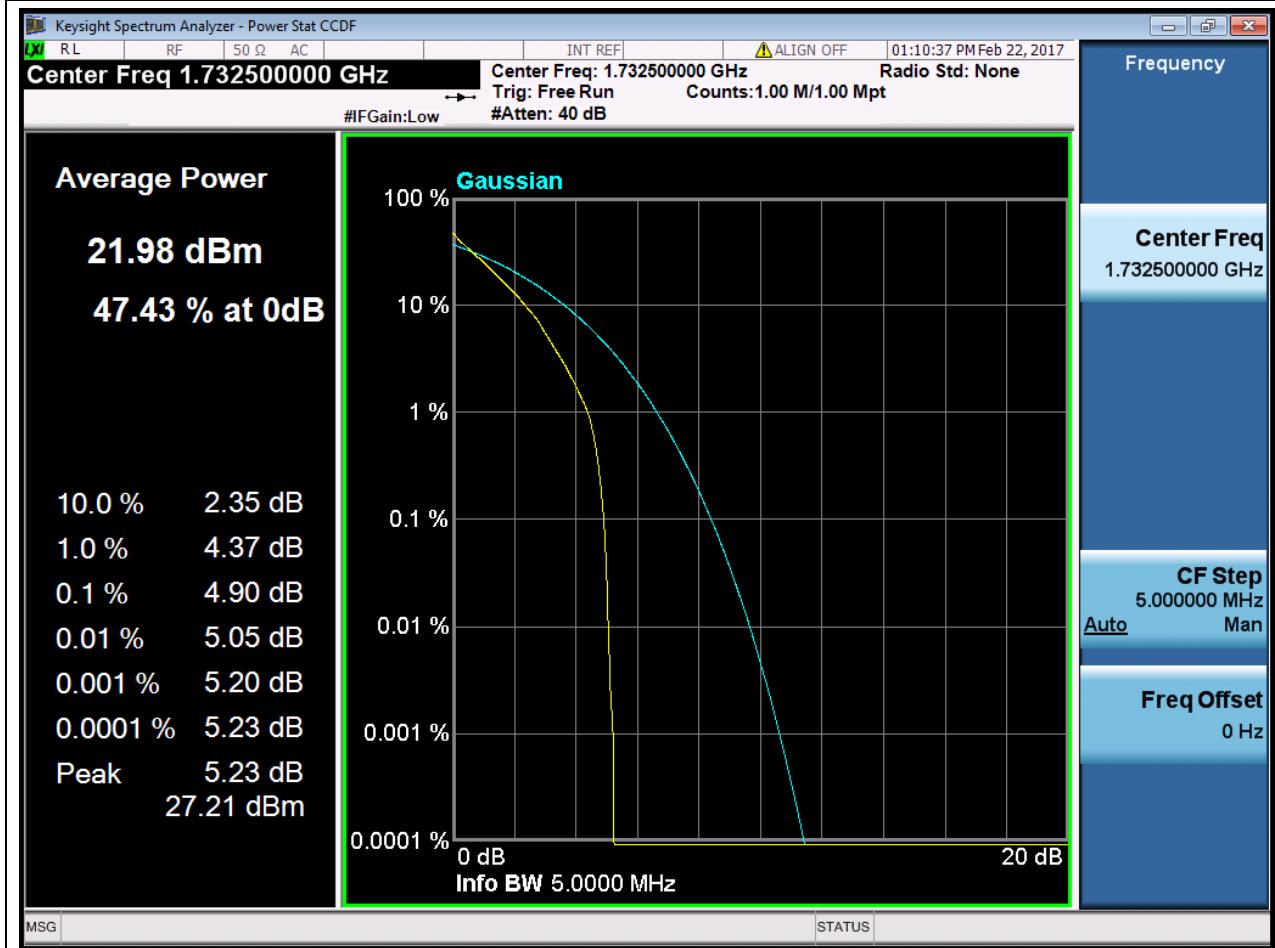
Frequency
 Center Freq
 1.732500000 GHz

CF Step
 5.000000 MHz
 Auto Man

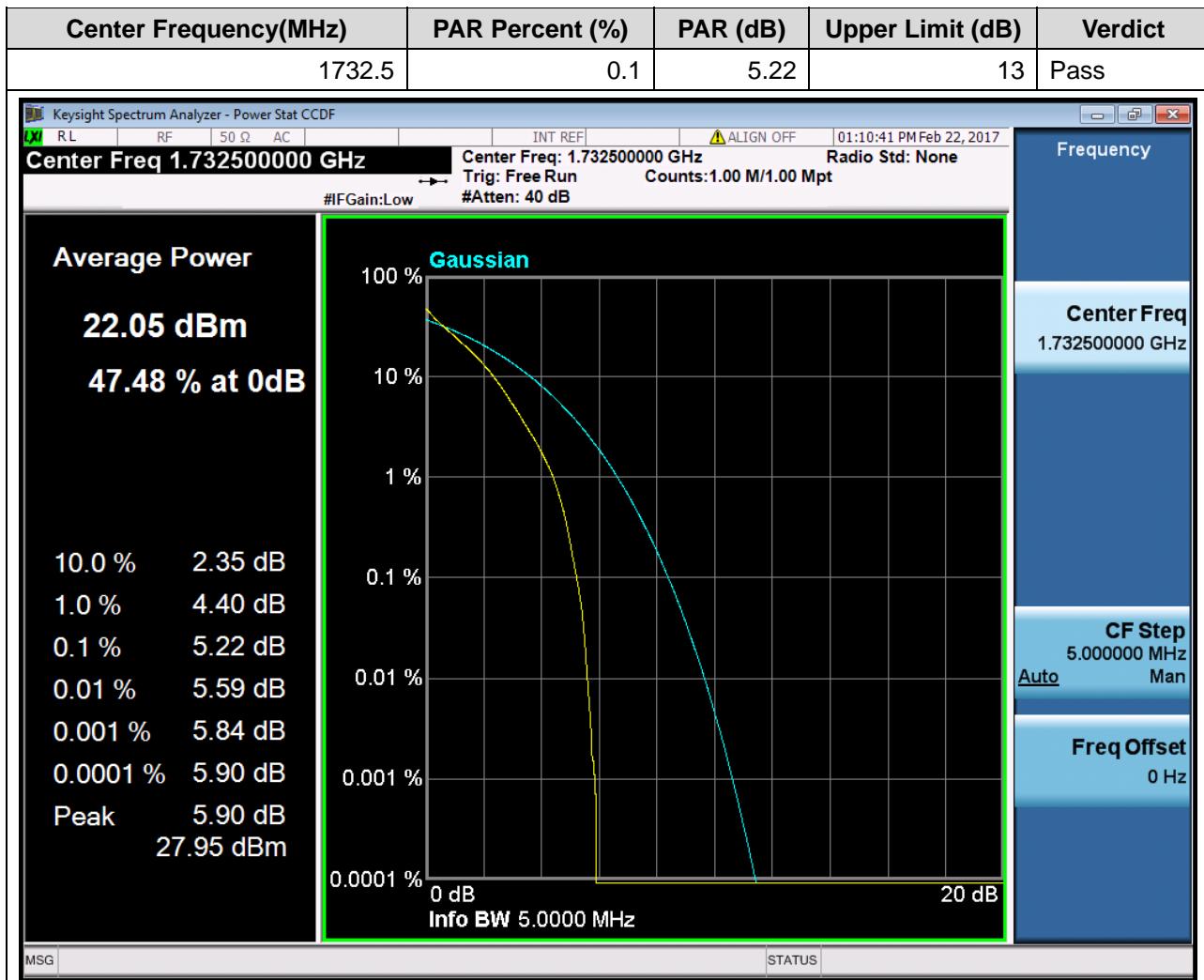
Freq Offset
 0 Hz

1.34. LTE Peak to Average Ratio(NTNV)(Subtest:34, Channel:20175, Bandwidth:5, Modulation:QPSK, RB Number: 12, RB Position:HIGH)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	4.9	13	Pass



1.35. LTE Peak to Average Ratio(NTNV)(Subtest:35, Channel:20175, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)



1.36. LTE Peak to Average Ratio(NTNV)(Subtest:36, Channel:20175, Bandwidth:5, Modulation:16QAM, RB Number: 1, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	4.96	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

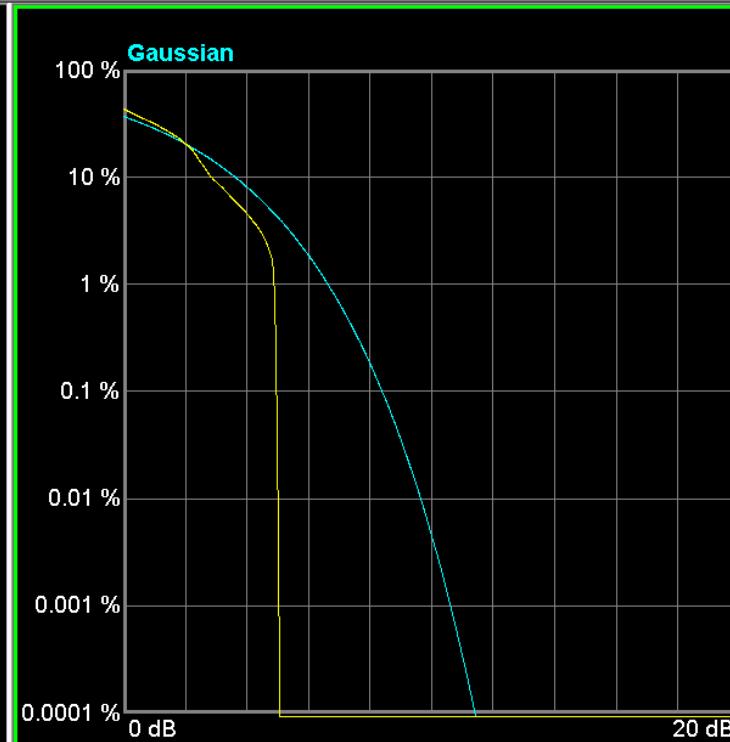
RL RF 50 Ω AC INT REF ALIGN OFF 01:10:45 PM Feb 22, 2017

Center Freq 1.732500000 GHz Center Freq: 1.732500000 GHz Radio Std: None
Trig: Free Run Counts: 1.00 M/1.00 Mpt
#IFGain:Low #Atten: 40 dB

Average Power 22.29 dBm
43.10 % at 0dB

10.0 % 2.85 dB
1.0 % 4.88 dB
0.1 % 4.96 dB
0.01 % 5.01 dB
0.001 % 5.04 dB
0.0001 % 5.07 dB
Peak 5.10 dB
27.39 dBm

Gaussian



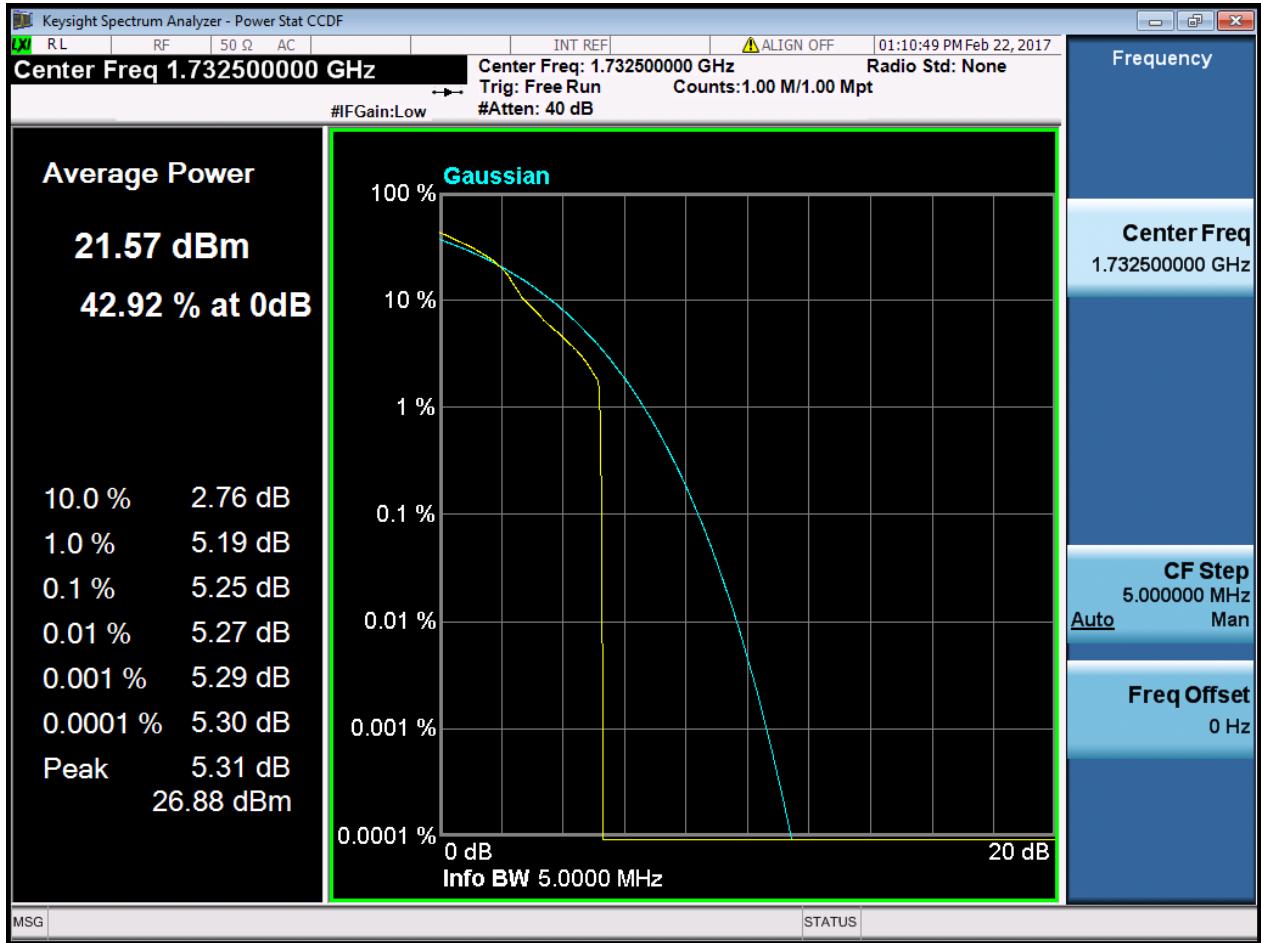
Info BW 5.0000 MHz

Frequency
Center Freq 1.732500000 GHz
CF Step 5.000000 MHz
Auto Man
Freq Offset 0 Hz

MSG STATUS

1.37. LTE Peak to Average Ratio(NTNV)(Subtest:37, Channel:20175, Bandwidth:5, Modulation:16QAM, RB Number: 1, RB Position:MID)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	5.25	13	Pass



Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 01:10:49 PM Feb 22, 2017

Center Freq 1.732500000 GHz Center Freq: 1.732500000 GHz Radio Std: None

Trig: Free Run Counts: 1.00 M/1.00 Mpt

#IFGain:Low #Atten: 40 dB

Average Power
21.57 dBm
42.92 % at 0dB

10.0 %	2.76 dB
1.0 %	5.19 dB
0.1 %	5.25 dB
0.01 %	5.27 dB
0.001 %	5.29 dB
0.0001 %	5.30 dB
Peak	5.31 dB
	26.88 dBm

Gaussian

100 %

10 %

1 %

0.1 %

0.01 %

0.001 %

0.0001 %

0 dB 20 dB

Info BW 5.0000 MHz

MSG STATUS

Frequency

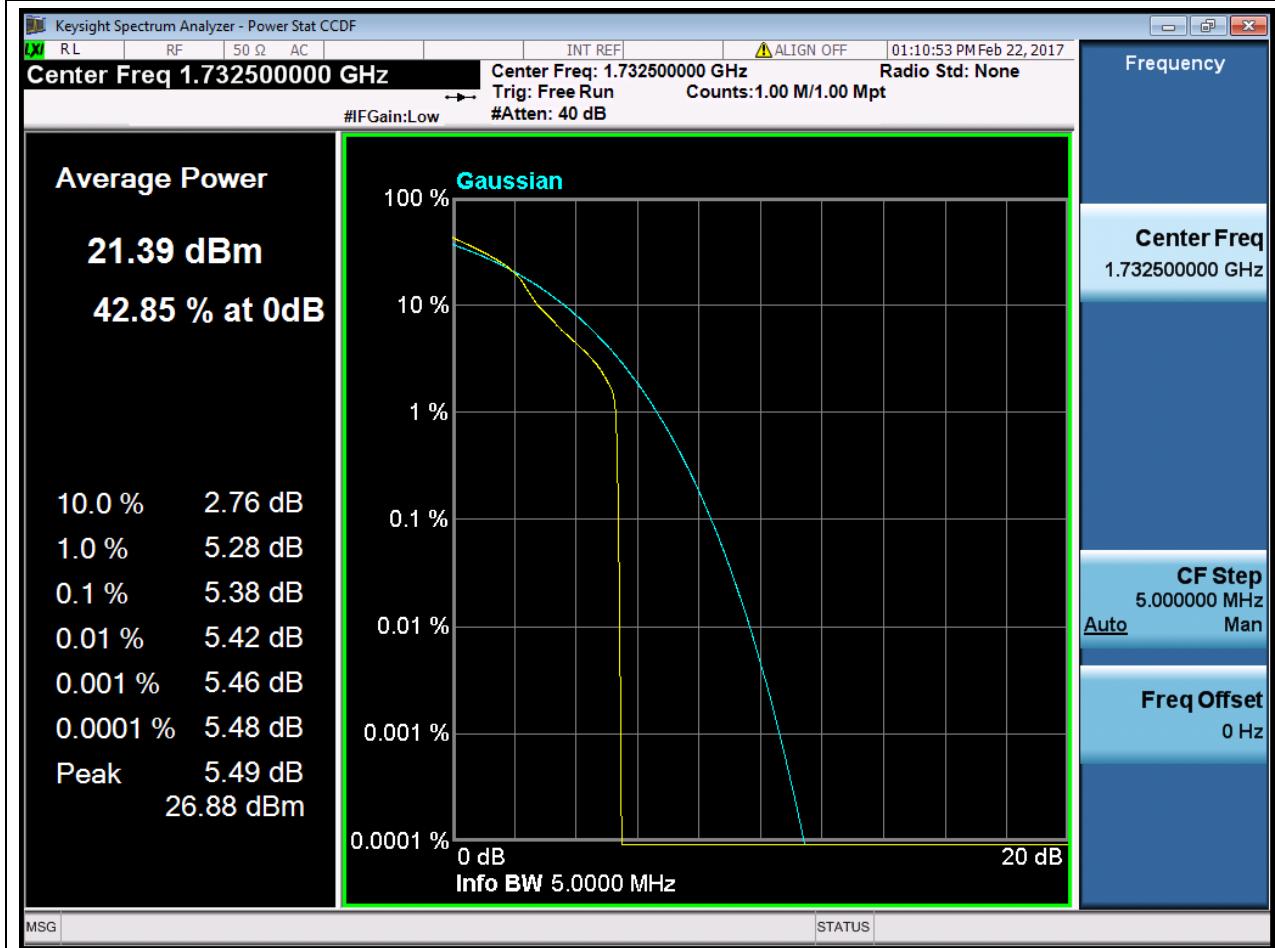
Center Freq 1.732500000 GHz

CF Step 5.000000 MHz Man

Freq Offset 0 Hz

1.38. LTE Peak to Average Ratio(NTNV)(Subtest:38, Channel:20175, Bandwidth:5, Modulation:16QAM, RB Number: 1, RB Position:HIGH)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	5.38	13	Pass



1.39. LTE Peak to Average Ratio(NTNV)(Subtest:39, Channel:20175, Bandwidth:5, Modulation:16QAM, RB Number: 12, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	5.79	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 01:10:57 PM Feb 22, 2017

Center Freq 1.732500000 GHz Center Freq: 1.732500000 GHz Radio Std: None
Trig: Free Run Counts: 1.00 M/1.00 Mpt
#IFGain:Low #Atten: 40 dB

Average Power 21.00 dBm
44.82 % at 0dB

10.0 % 2.79 dB
1.0 % 5.08 dB
0.1 % 5.79 dB
0.01 % 5.96 dB
0.001 % 6.13 dB
0.0001 % 6.15 dB
Peak 6.15 dB
27.15 dBm

Gaussian

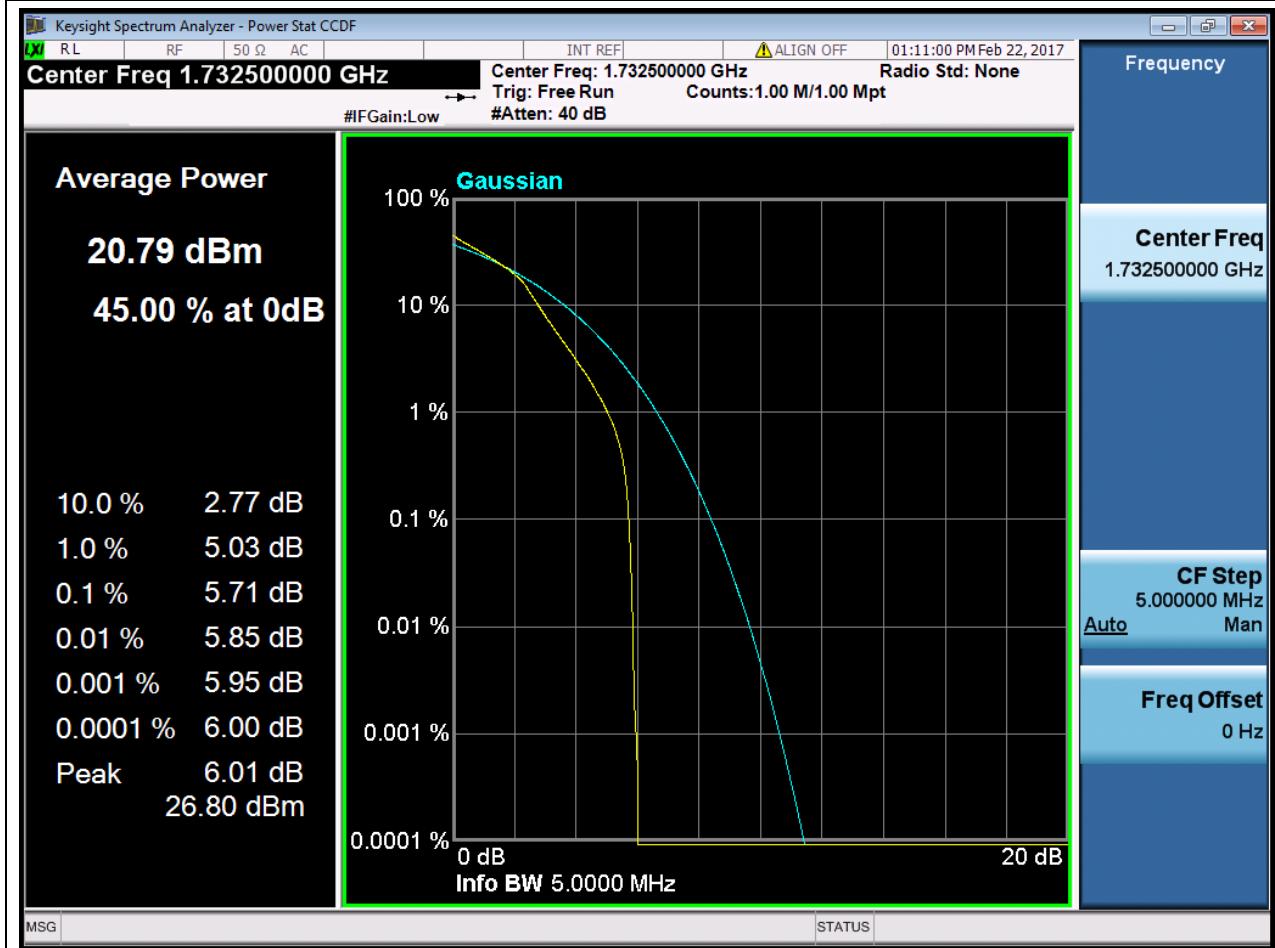


Frequency
Center Freq 1.732500000 GHz
CF Step 5.000000 MHz
Auto Man
Freq Offset 0 Hz

MSG STATUS

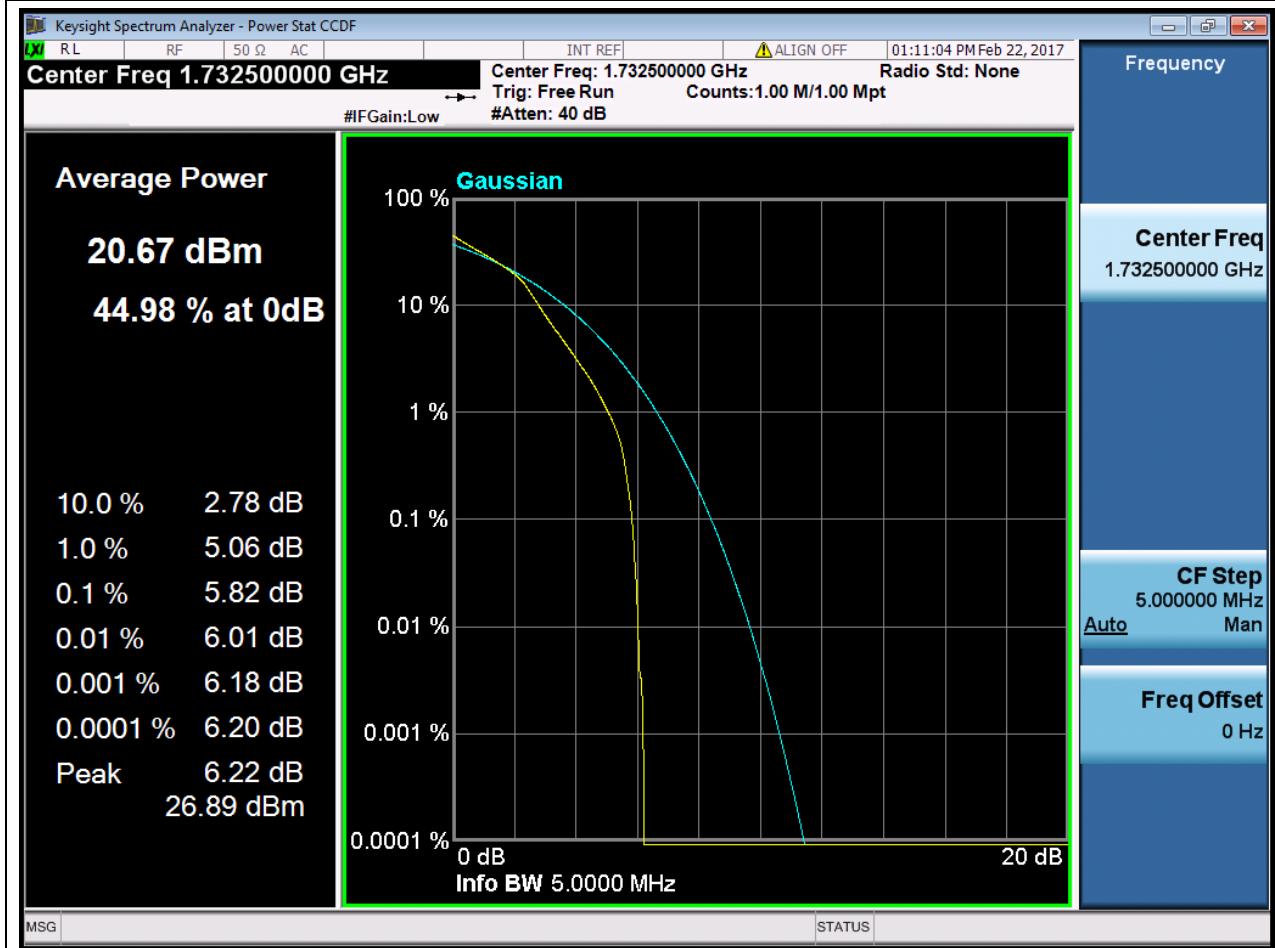
1.40. LTE Peak to Average Ratio(NTNV)(Subtest:40, Channel:20175, Bandwidth:5, Modulation:16QAM, RB Number: 12, RB Position:MID)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	5.71	13	Pass



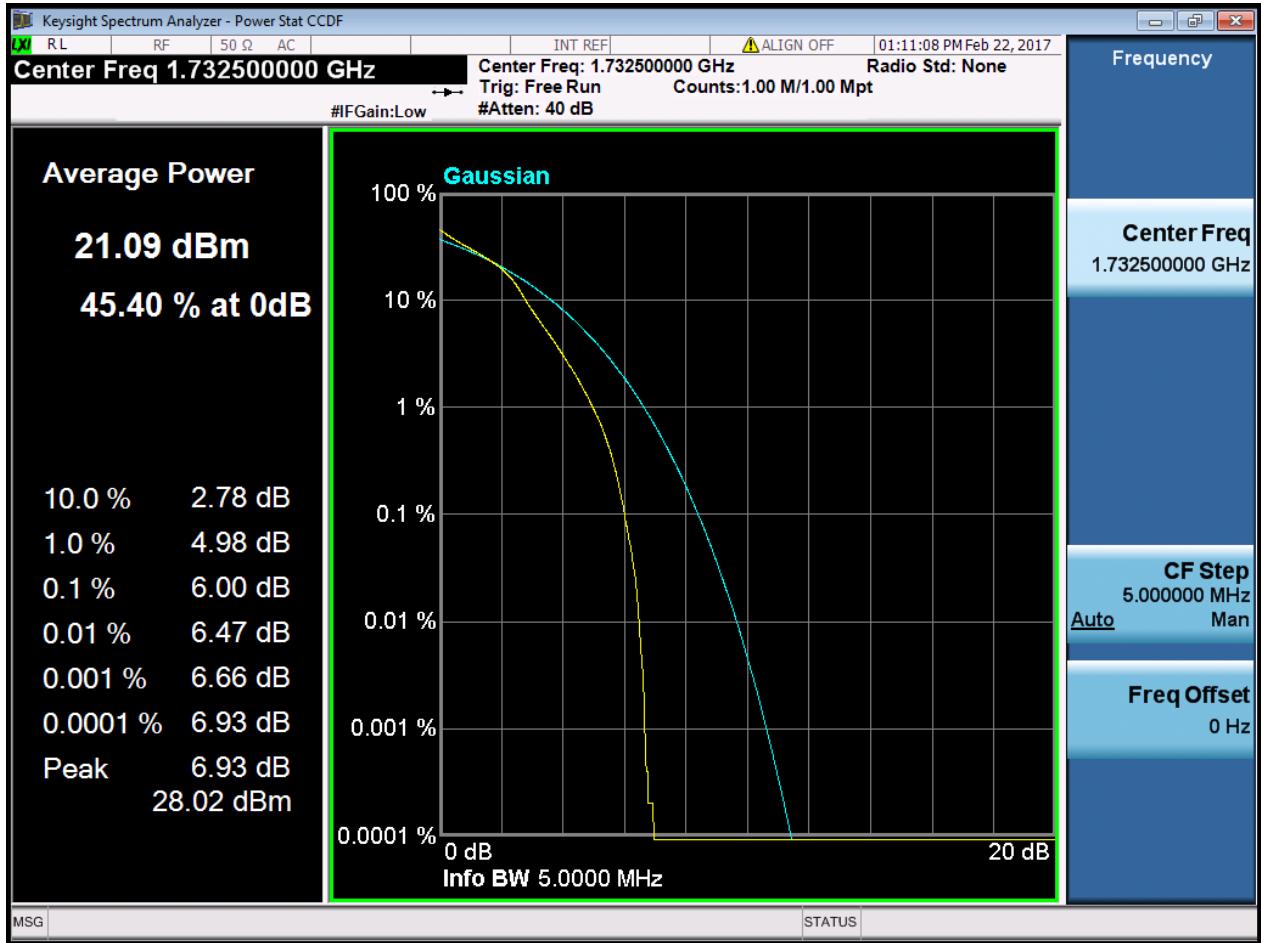
1.41. LTE Peak to Average Ratio(NTNV)(Subtest:41, Channel:20175, Bandwidth:5, Modulation:16QAM, RB Number: 12, RB Position:HIGH)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	5.82	13	Pass



1.42. LTE Peak to Average Ratio(NTNV)(Subtest:42, Channel:20175, Bandwidth:5, Modulation:16QAM, RB Number: 25, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	6	13	Pass

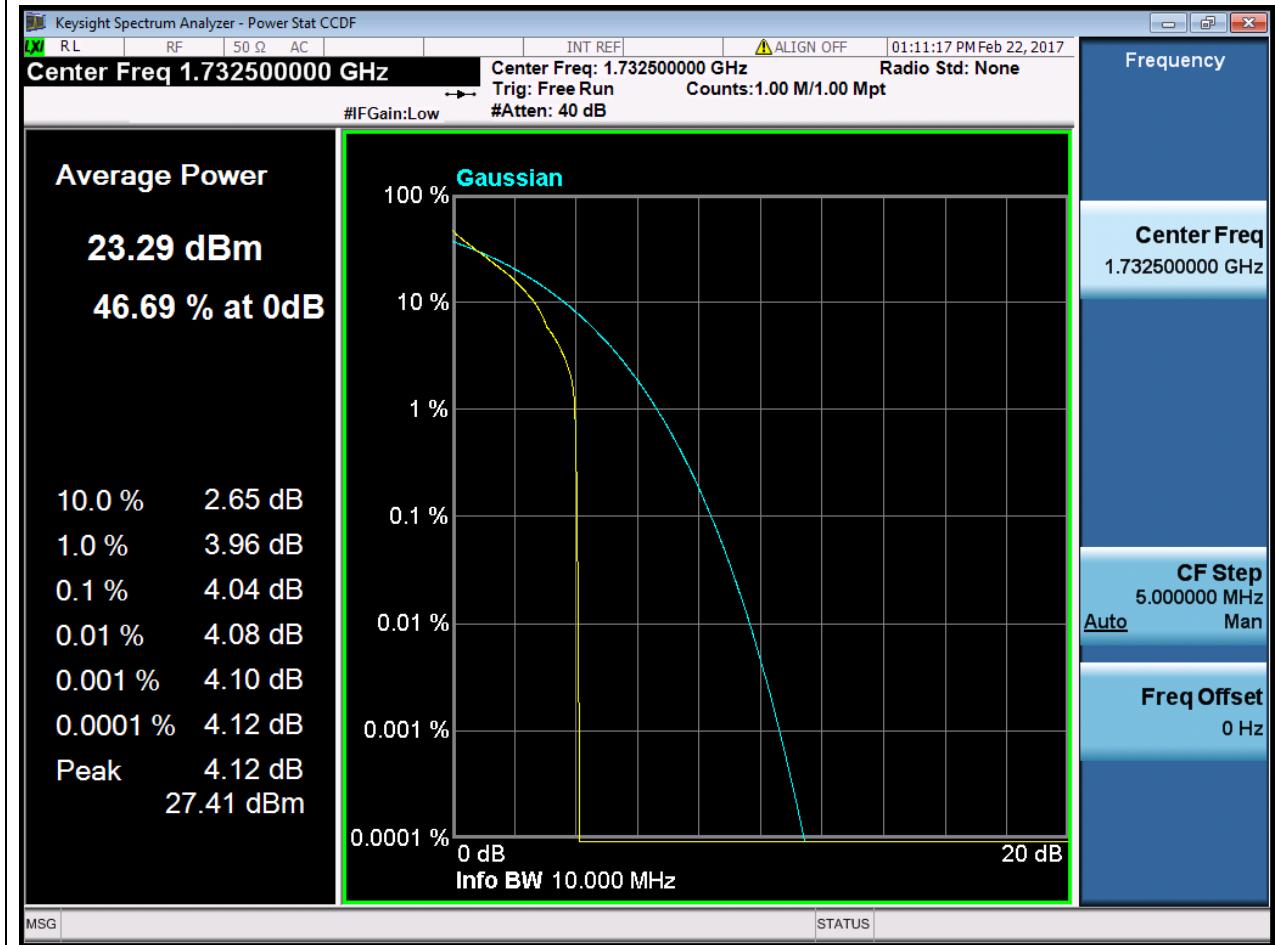


Average Power
21.09 dBm
45.40 % at 0dB

10.0 %	2.78 dB
1.0 %	4.98 dB
0.1 %	6.00 dB
0.01 %	6.47 dB
0.001 %	6.66 dB
0.0001 %	6.93 dB
Peak	6.93 dB
	28.02 dBm

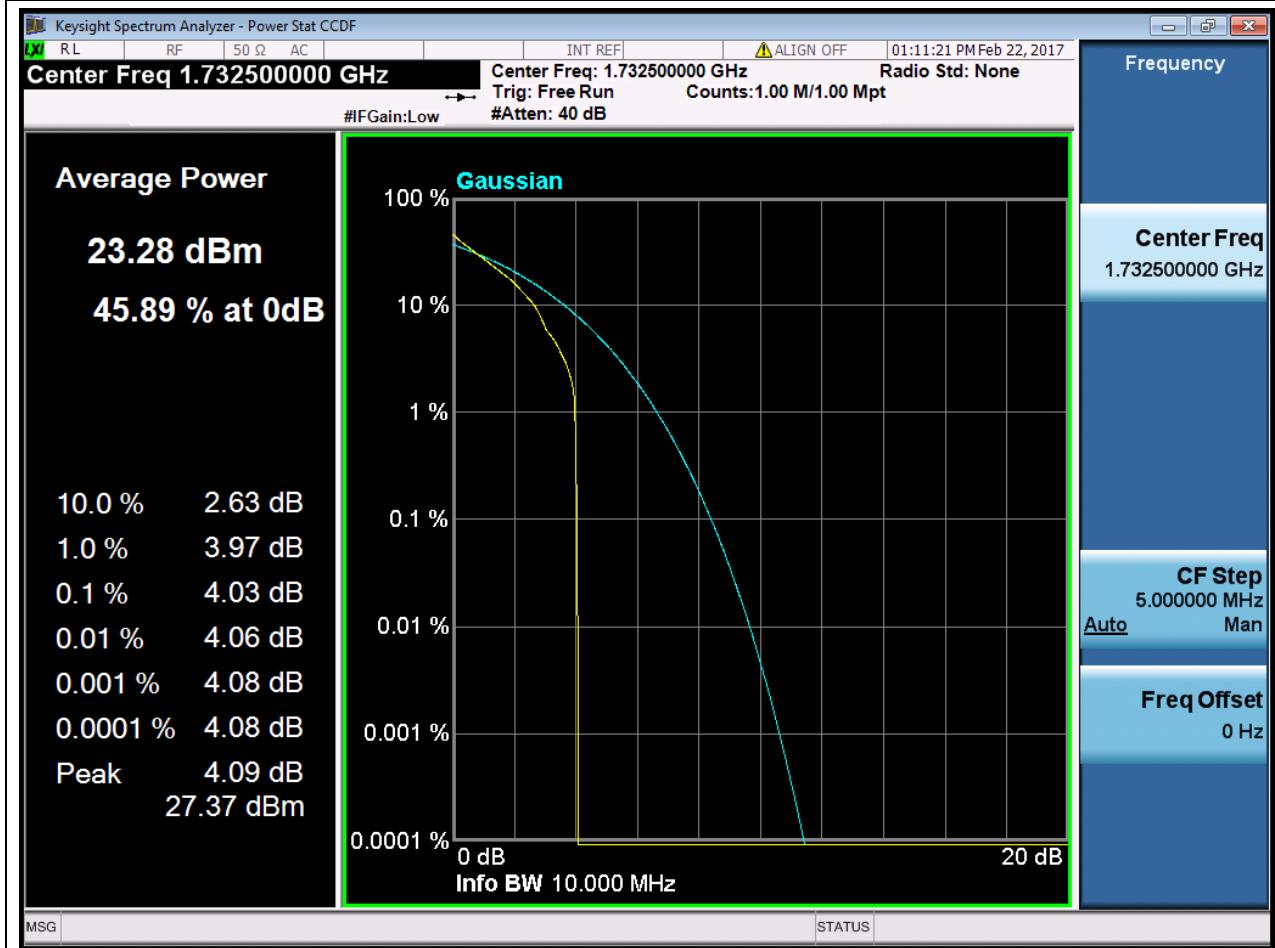
1.43. LTE Peak to Average Ratio(NTNV)(Subtest:43, Channel:20175, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	4.04	13	Pass



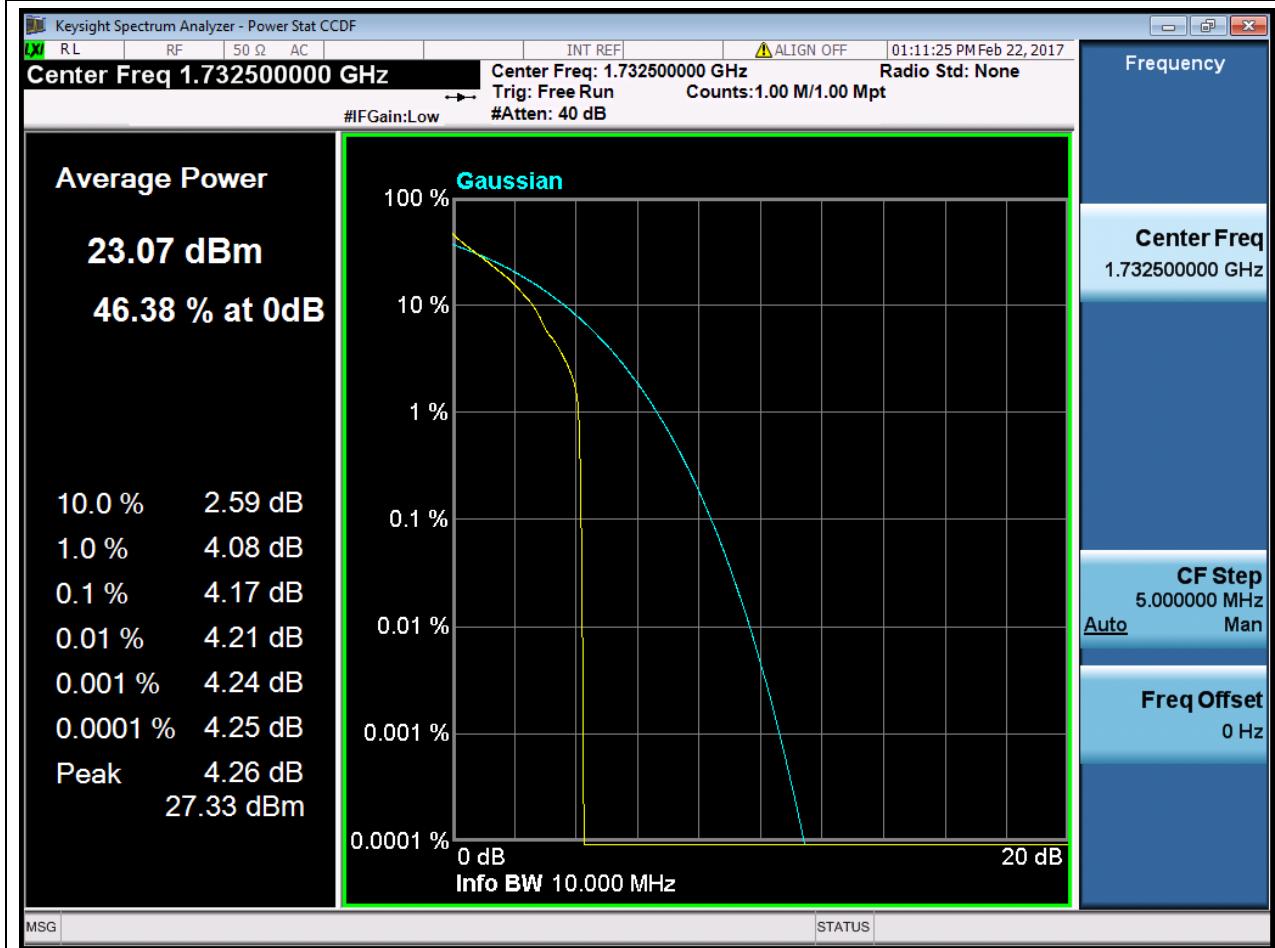
1.44. LTE Peak to Average Ratio(NTNV)(Subtest:44, Channel:20175, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:MID)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	4.03	13	Pass



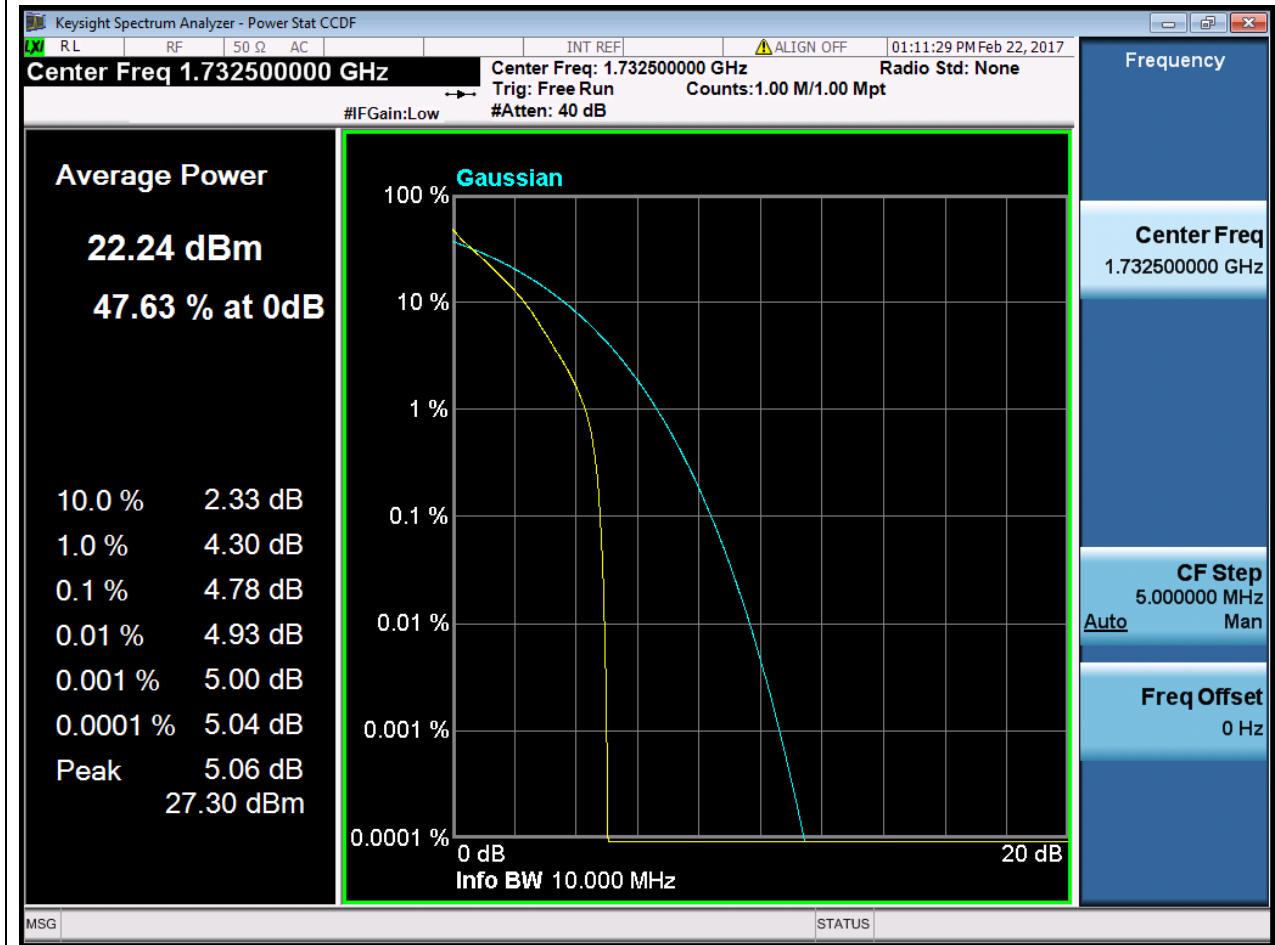
1.45. LTE Peak to Average Ratio(NTNV)(Subtest:45, Channel:20175, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	4.17	13	Pass



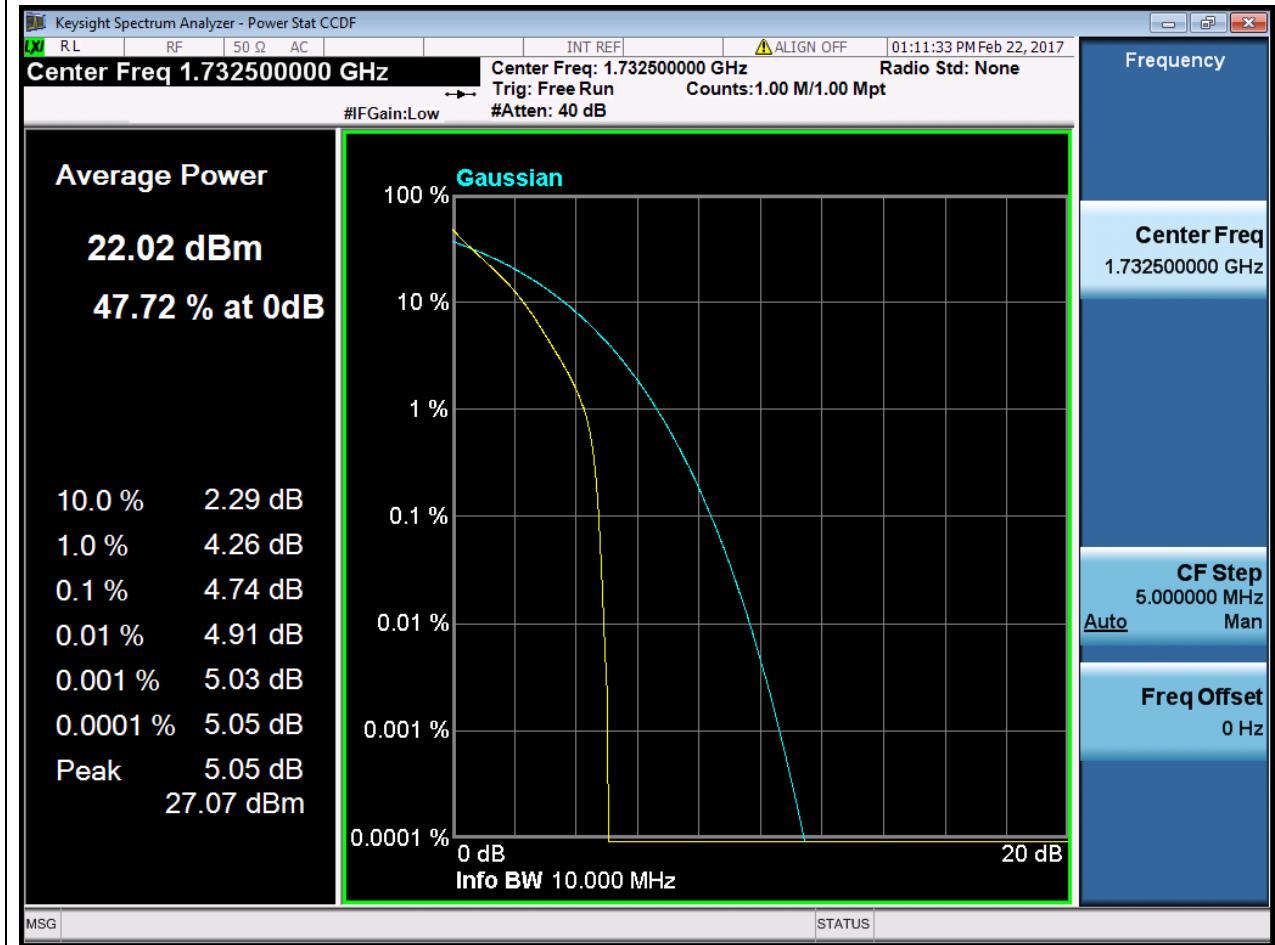
1.46. LTE Peak to Average Ratio(NTNV)(Subtest:46, Channel:20175, Bandwidth:10, Modulation:QPSK, RB Number: 25, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	4.78	13	Pass



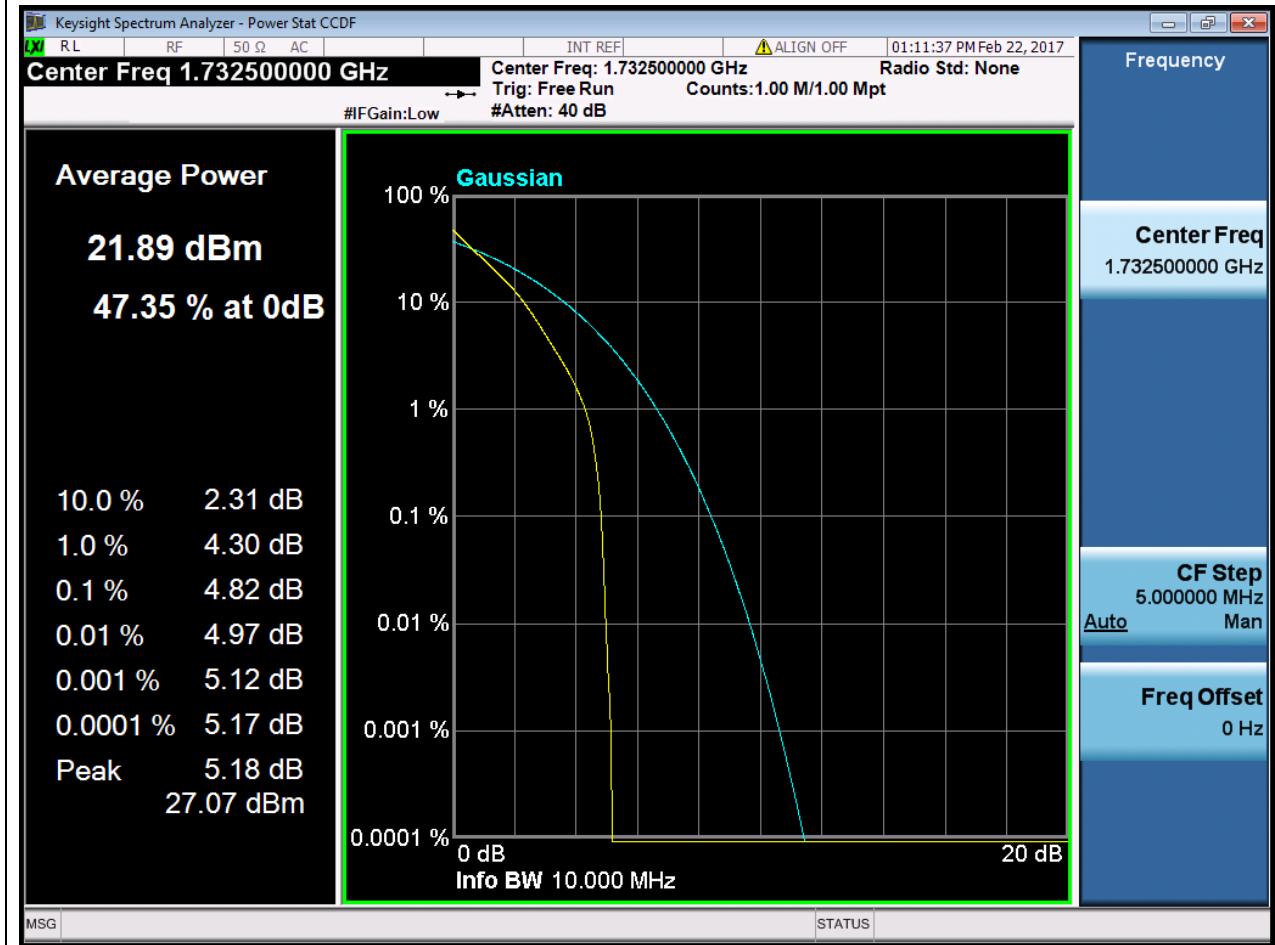
1.47. LTE Peak to Average Ratio(NTNV)(Subtest:47, Channel:20175, Bandwidth:10, Modulation:QPSK, RB Number: 25, RB Position:MID)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	4.74	13	Pass



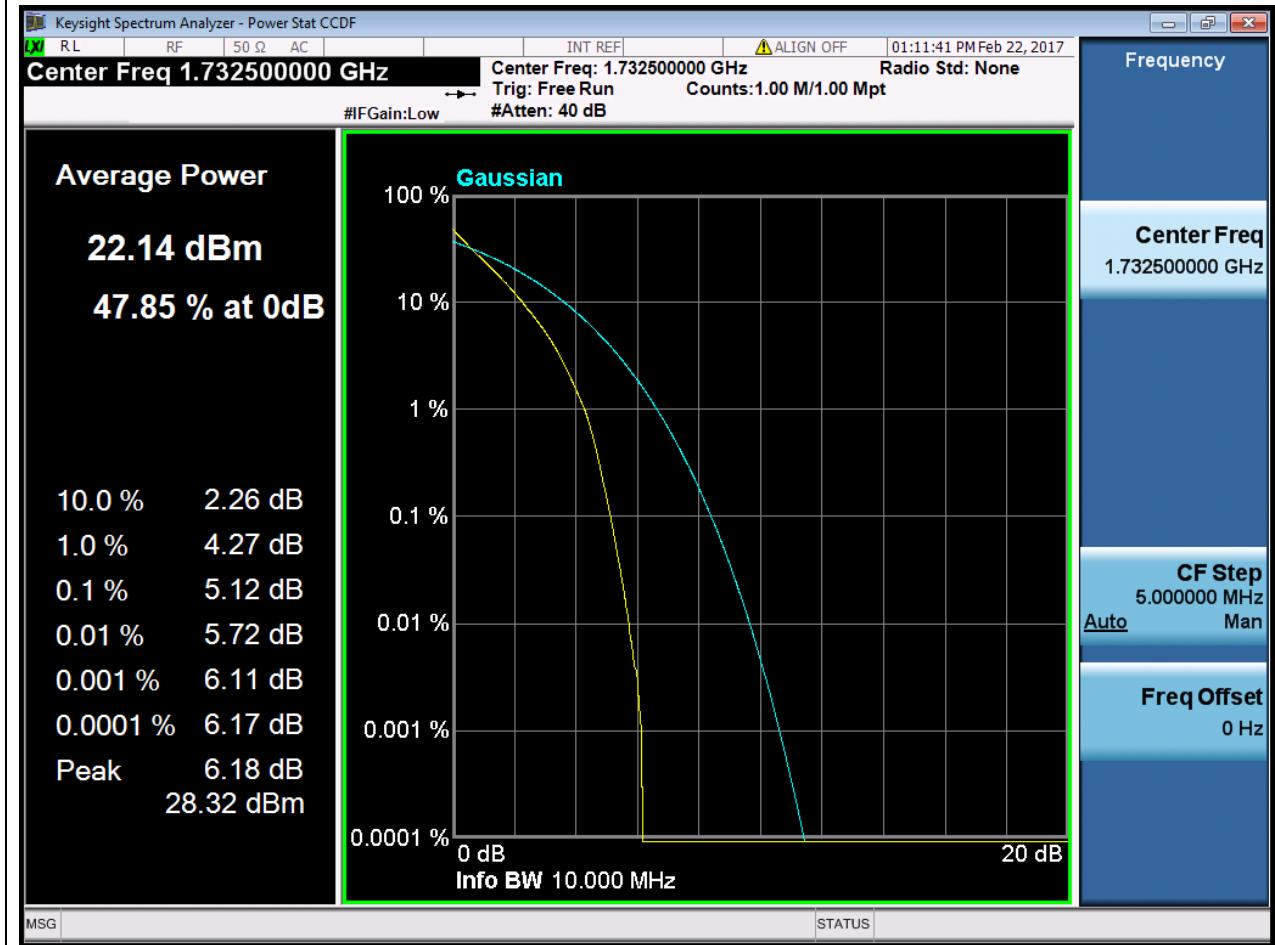
1.48. LTE Peak to Average Ratio(NTNV)(Subtest:48, Channel:20175, Bandwidth:10, Modulation:QPSK, RB Number: 25, RB Position:HIGH)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	4.82	13	Pass



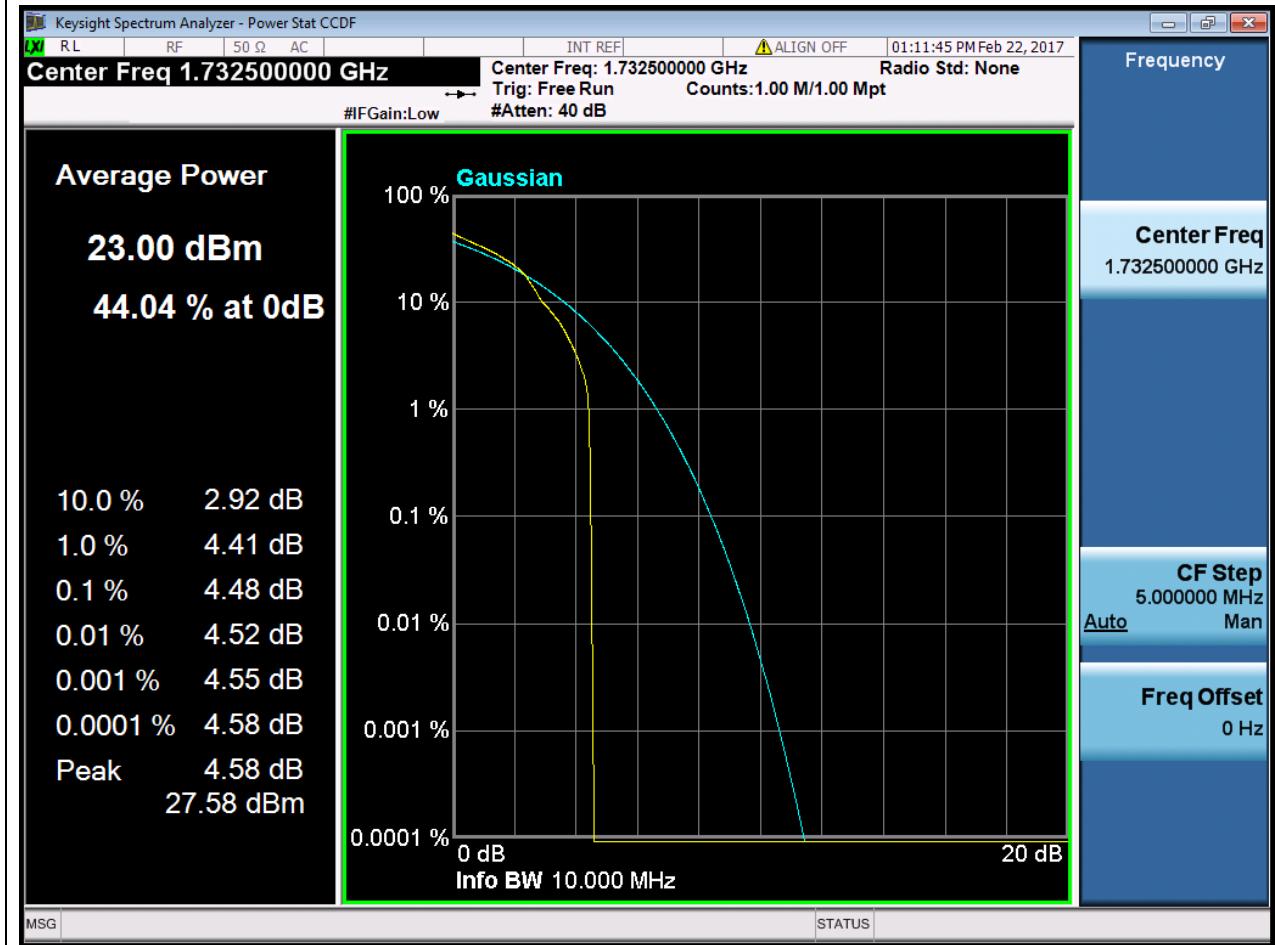
1.49. LTE Peak to Average Ratio(NTNV)(Subtest:49, Channel:20175, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	5.12	13	Pass



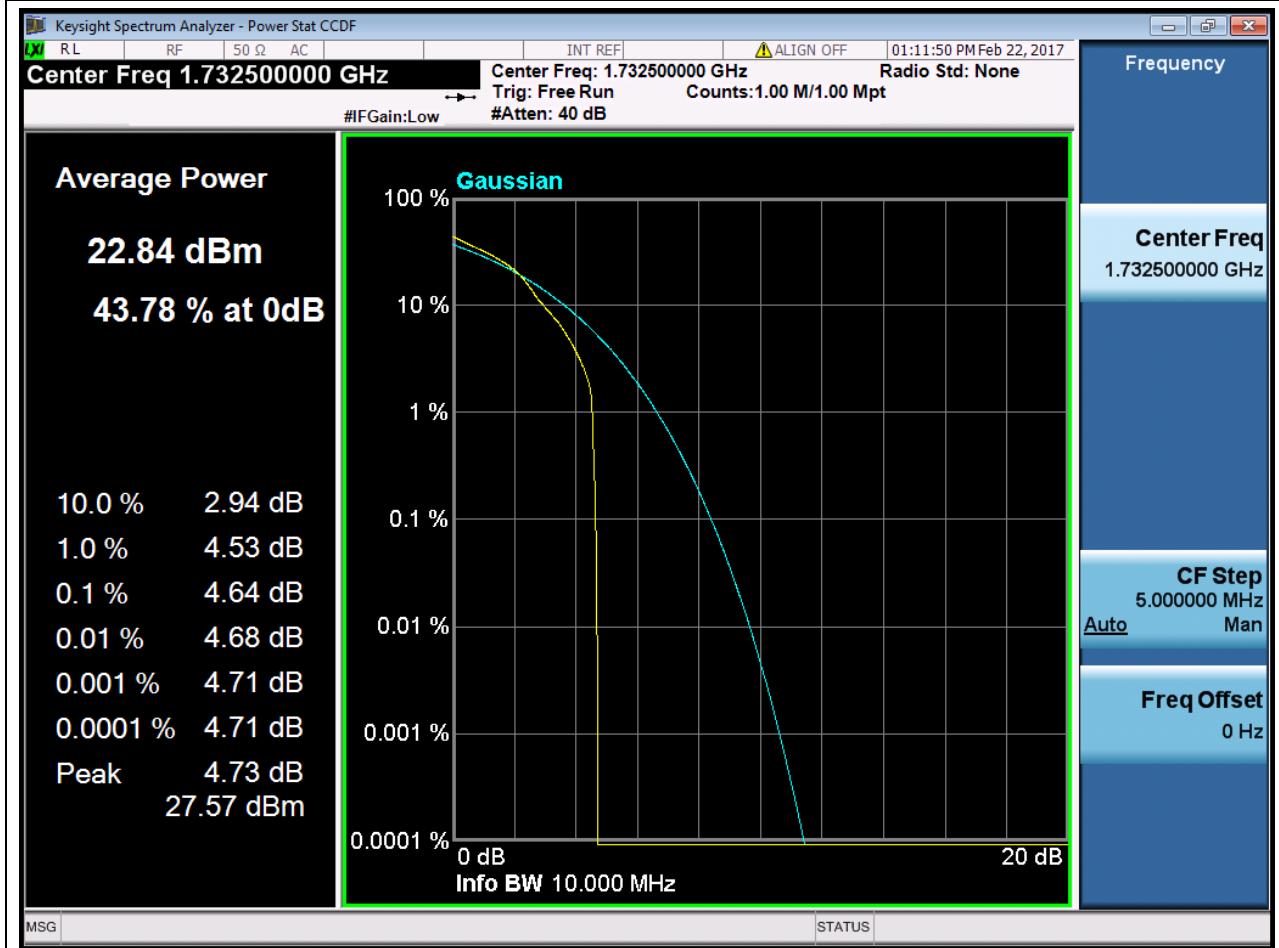
1.50. LTE Peak to Average Ratio(NTNV)(Subtest:50, Channel:20175, Bandwidth:10, Modulation:16QAM, RB Number: 1, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	4.48	13	Pass



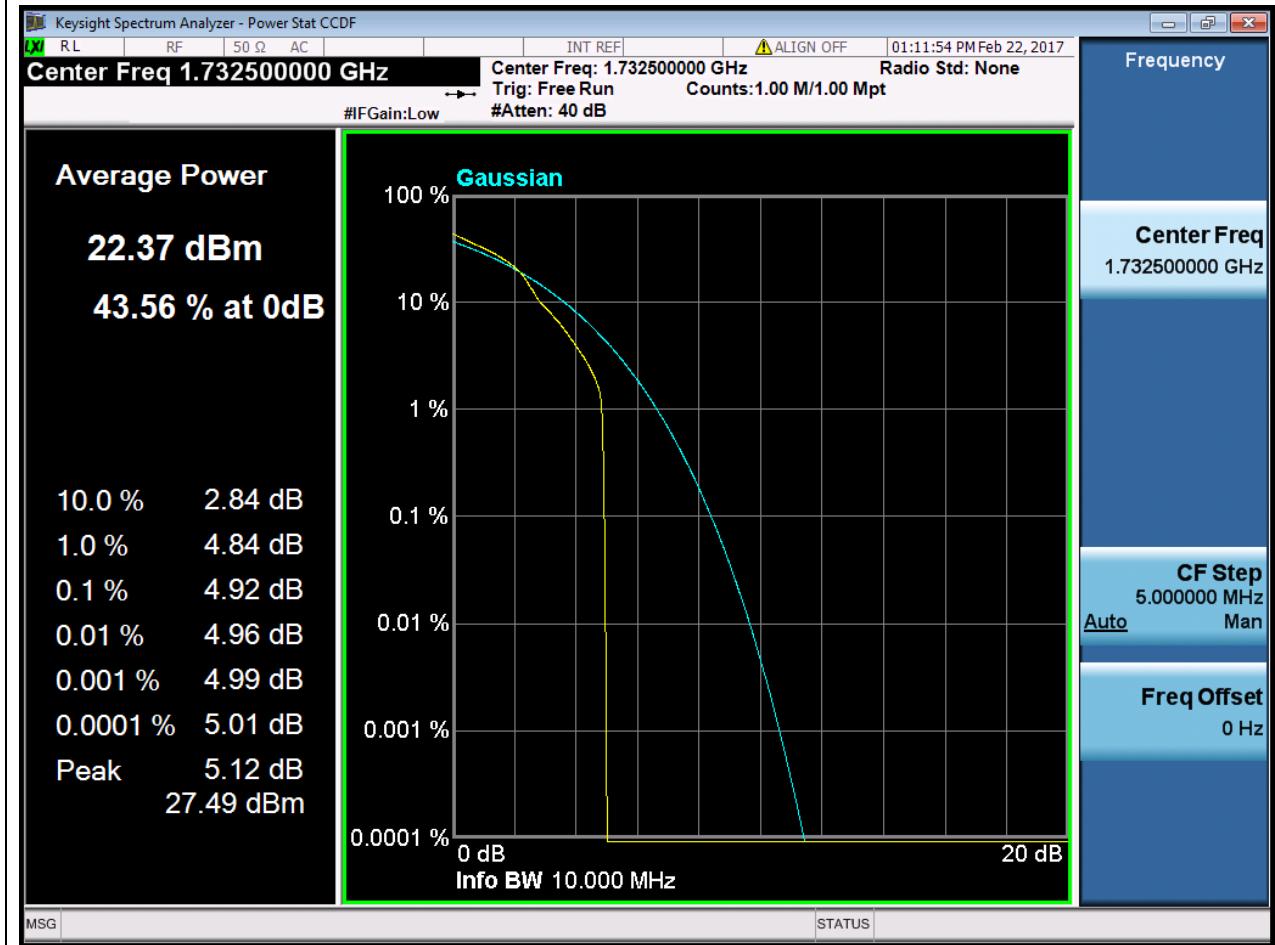
1.51. LTE Peak to Average Ratio(NTNV)(Subtest:51, Channel:20175, Bandwidth:10, Modulation:16QAM, RB Number: 1, RB Position:MID)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	4.64	13	Pass



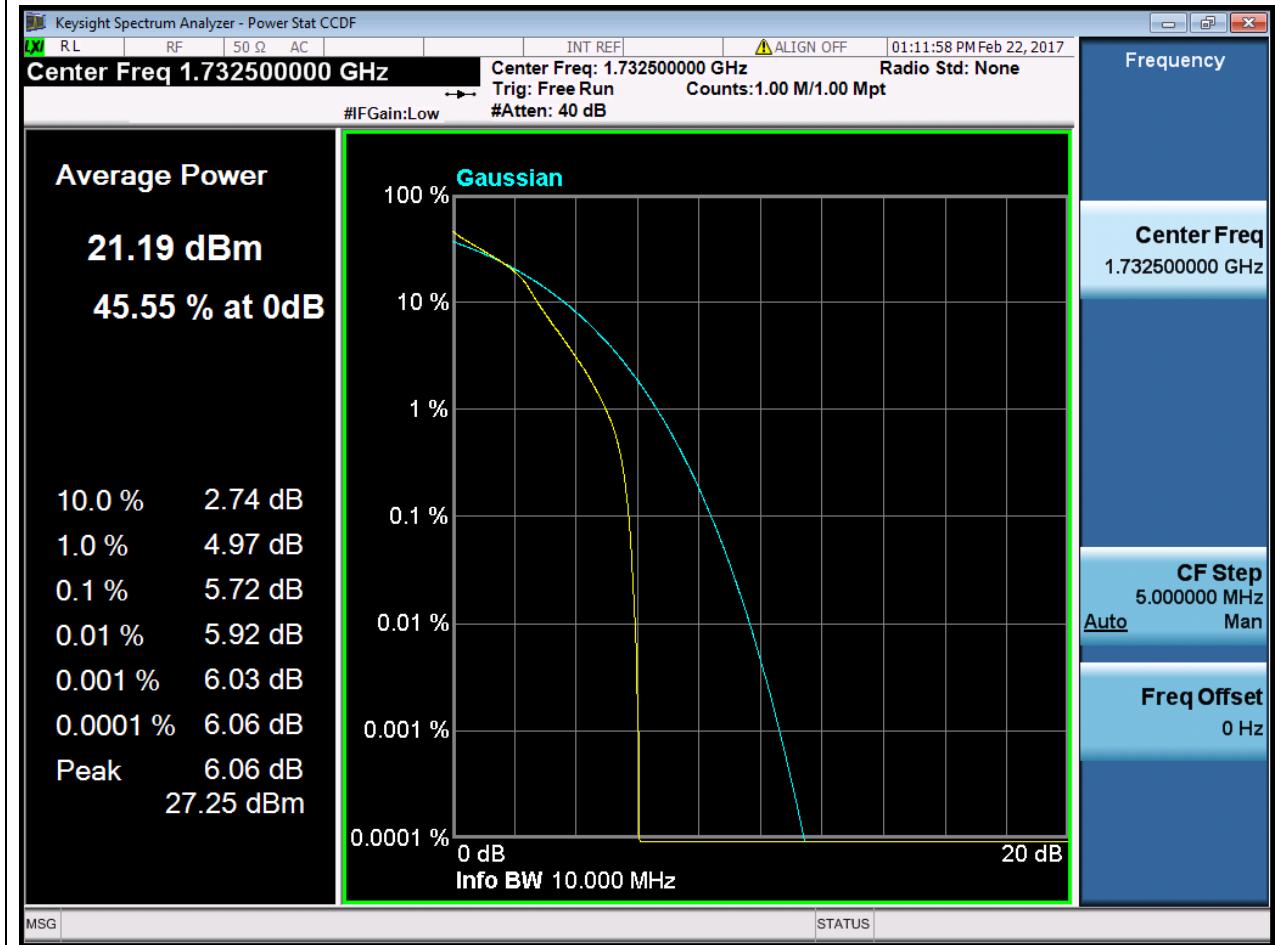
1.52. LTE Peak to Average Ratio(NTNV)(Subtest:52, Channel:20175, Bandwidth:10, Modulation:16QAM, RB Number: 1, RB Position:HIGH)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	4.92	13	Pass



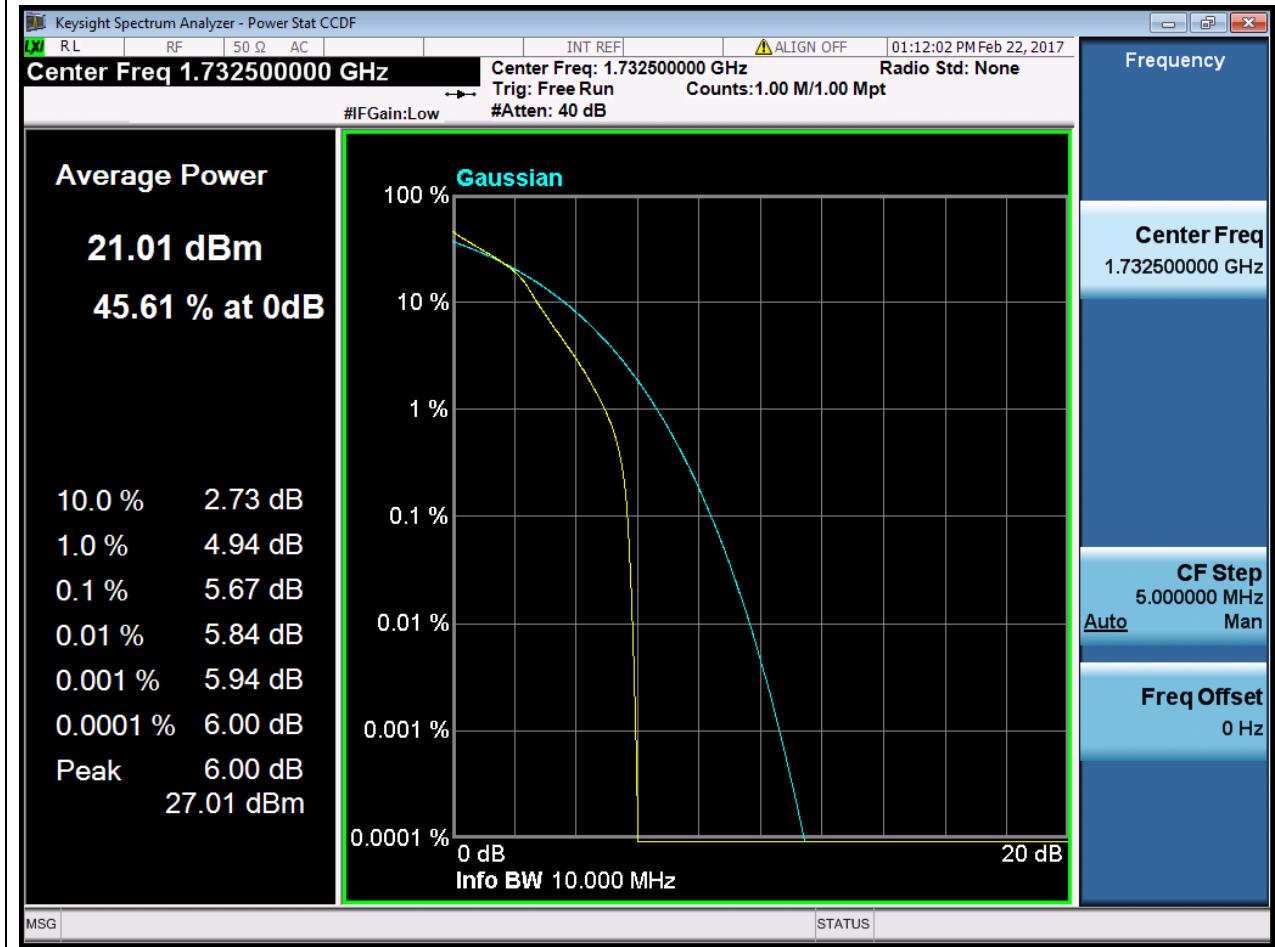
1.53. LTE Peak to Average Ratio(NTNV)(Subtest:53, Channel:20175, Bandwidth:10, Modulation:16QAM, RB Number: 25, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	5.72	13	Pass



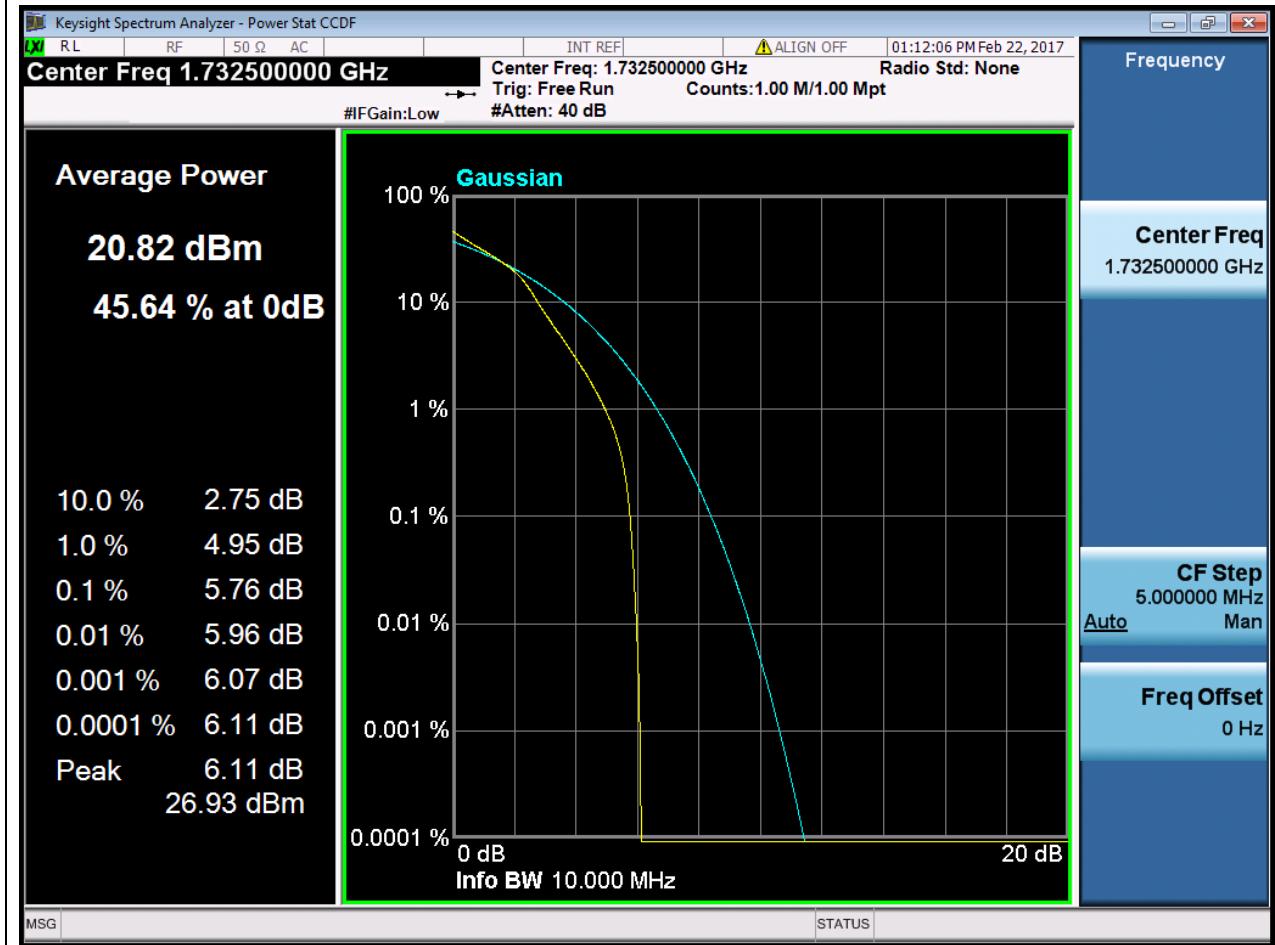
1.54. LTE Peak to Average Ratio(NTNV)(Subtest:54, Channel:20175, Bandwidth:10, Modulation:16QAM, RB Number: 25, RB Position:MID)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	5.67	13	Pass

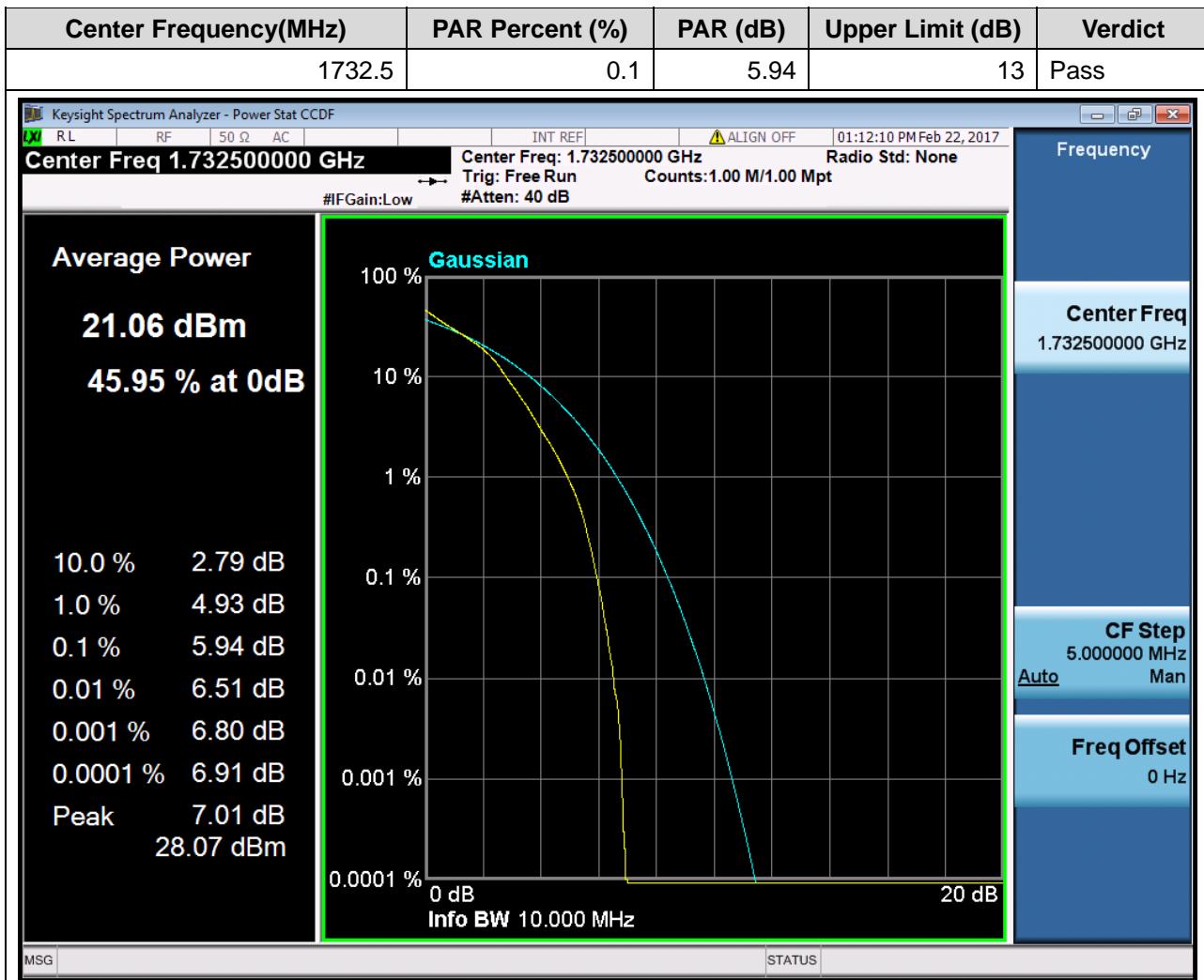


1.55. LTE Peak to Average Ratio(NTNV)(Subtest:55, Channel:20175, Bandwidth:10, Modulation:16QAM, RB Number: 25, RB Position:HIGH)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	5.76	13	Pass

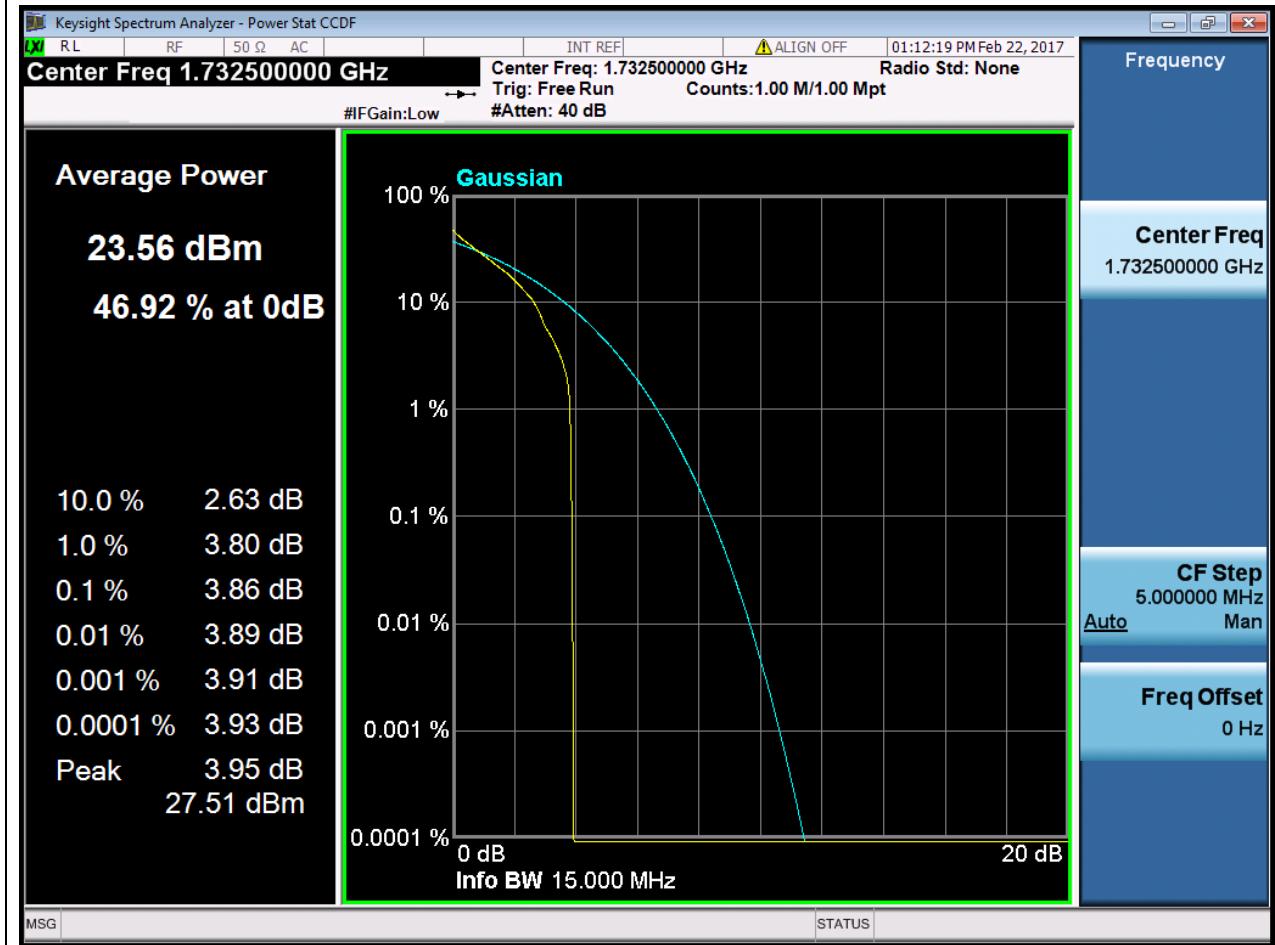


1.56. LTE Peak to Average Ratio(NTNV)(Subtest:56, Channel:20175, Bandwidth:10, Modulation:16QAM, RB Number: 50, RB Position:LOW)



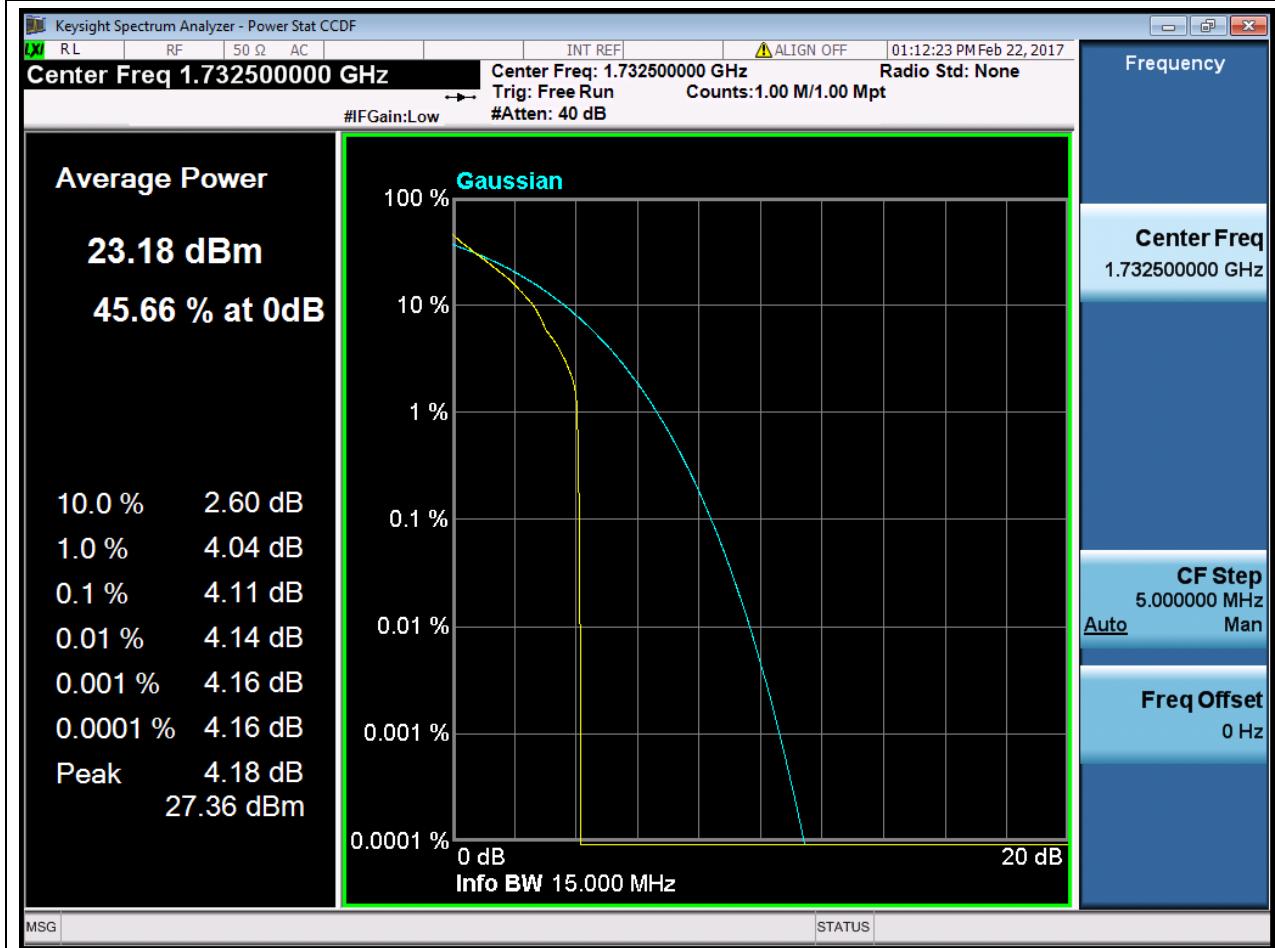
1.57. LTE Peak to Average Ratio(NTNV)(Subtest:57, Channel:20175, Bandwidth:15, Modulation:QPSK, RB Number: 1, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	3.86	13	Pass



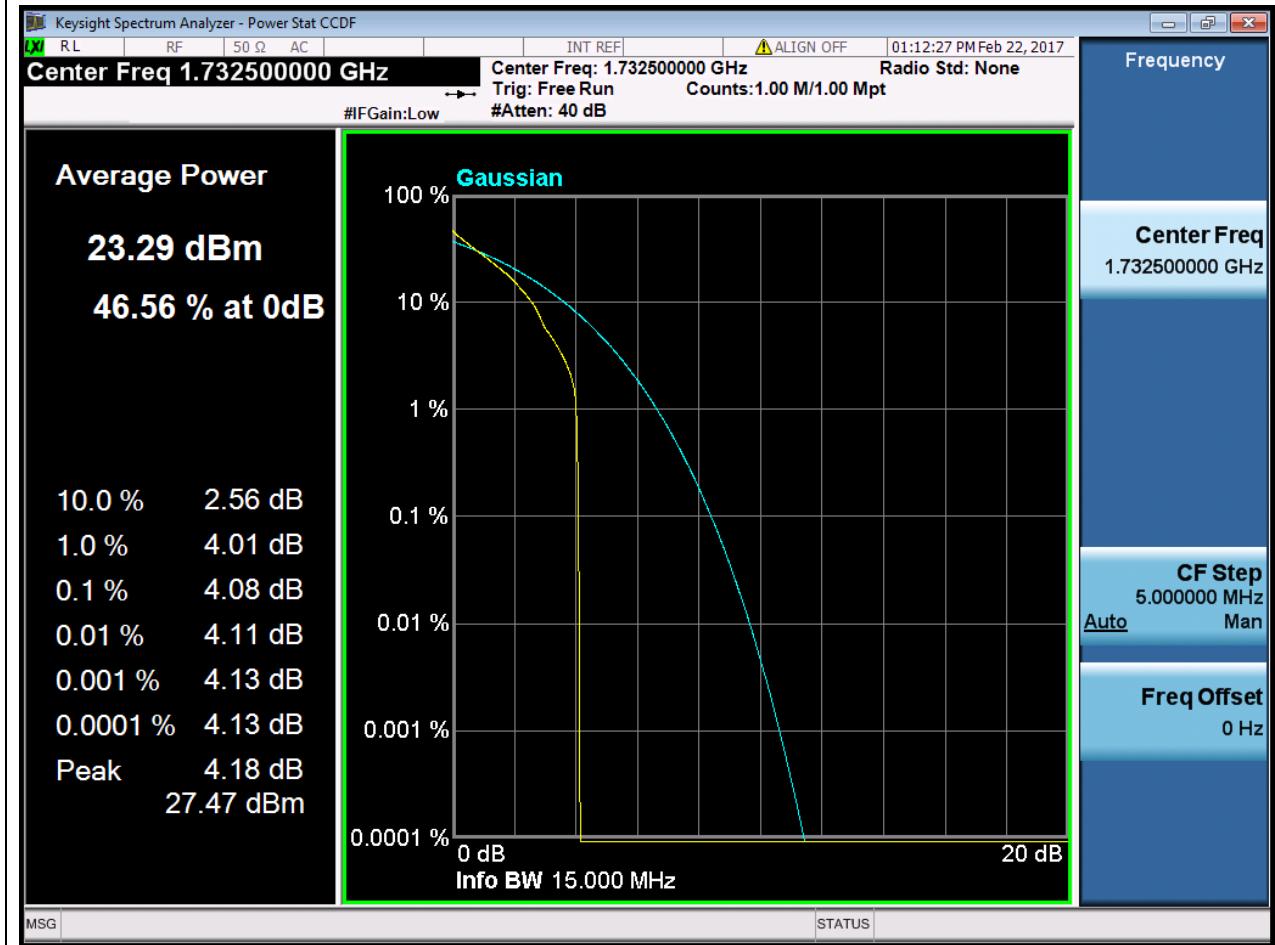
1.58. LTE Peak to Average Ratio(NTNV)(Subtest:58, Channel:20175, Bandwidth:15, Modulation:QPSK, RB Number: 1, RB Position:MID)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	4.11	13	Pass



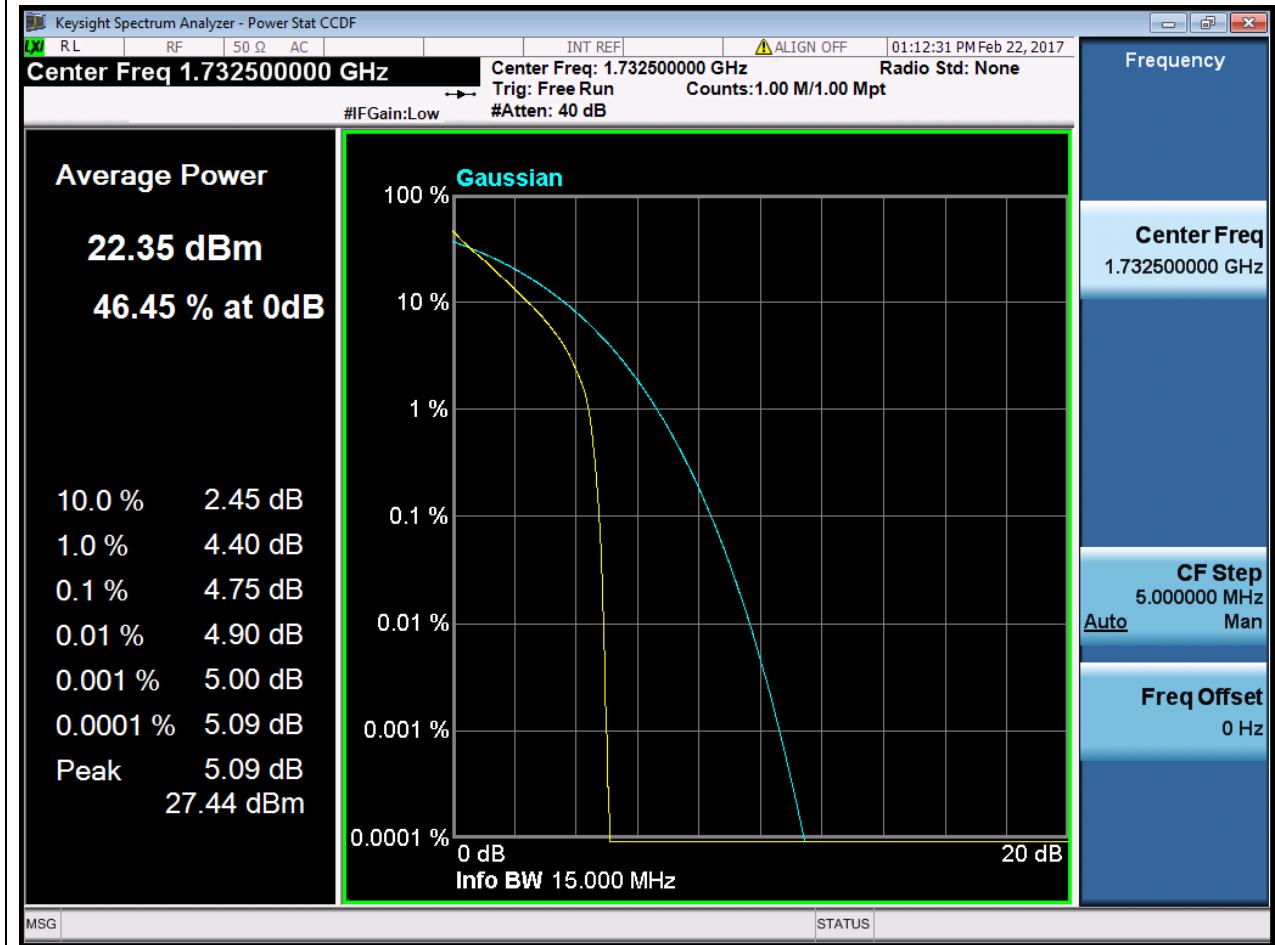
1.59. LTE Peak to Average Ratio(NTNV)(Subtest:59, Channel:20175, Bandwidth:15, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	4.08	13	Pass



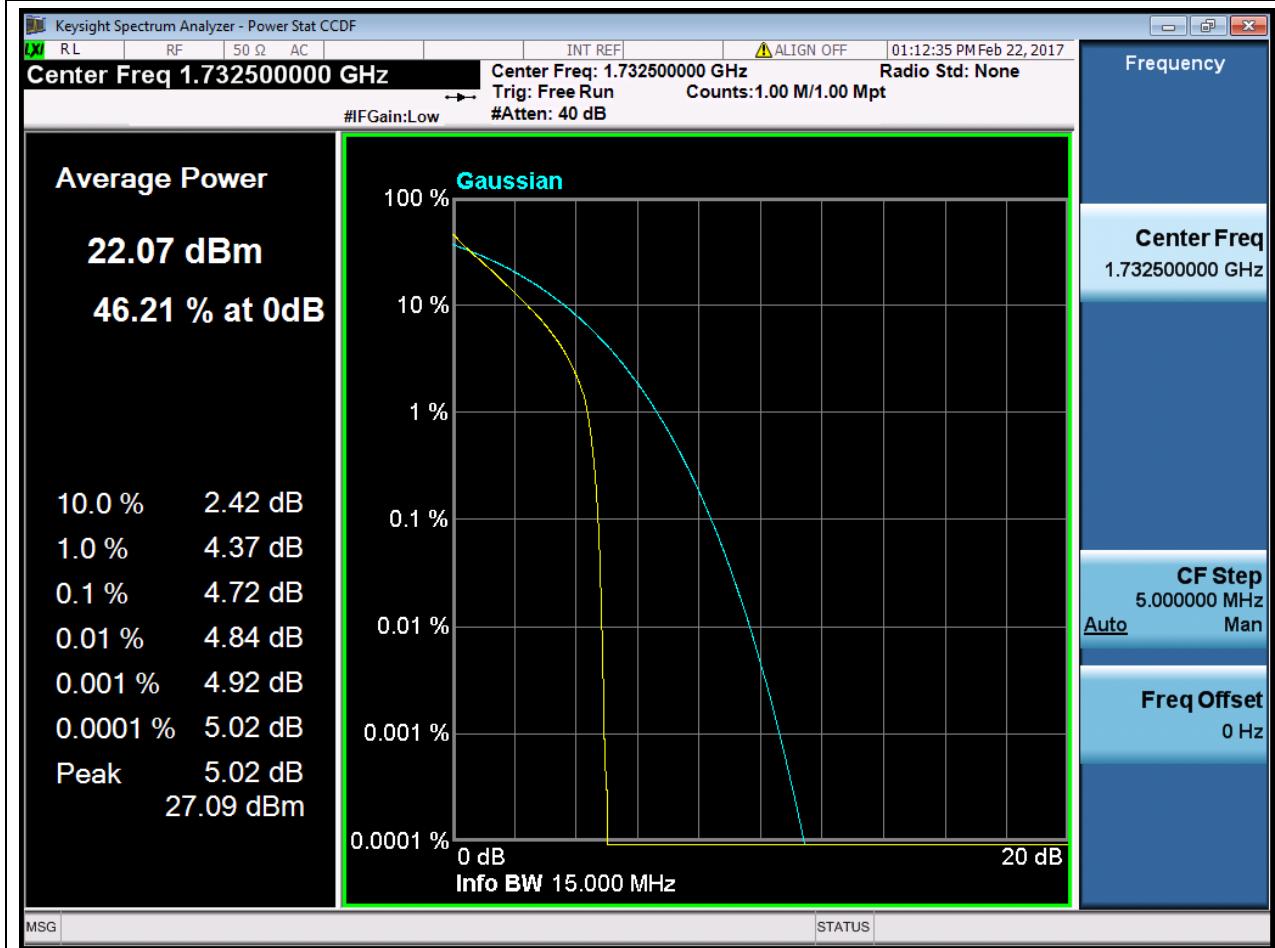
1.60. LTE Peak to Average Ratio(NTNV)(Subtest:60, Channel:20175, Bandwidth:15, Modulation:QPSK, RB Number: 36, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	4.75	13	Pass



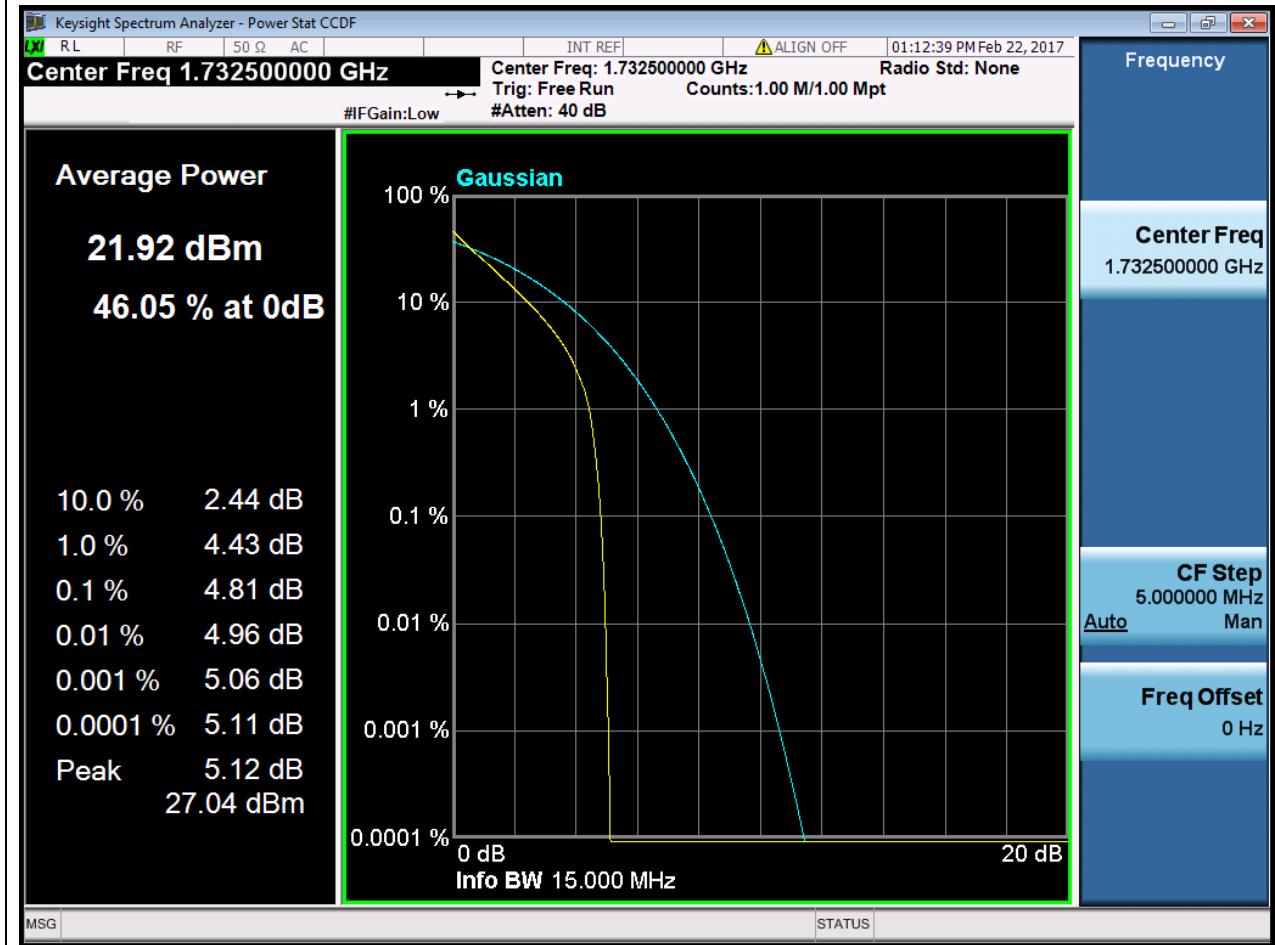
1.61. LTE Peak to Average Ratio(NTNV)(Subtest:61, Channel:20175, Bandwidth:15, Modulation:QPSK, RB Number: 36, RB Position:MID)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	4.72	13	Pass



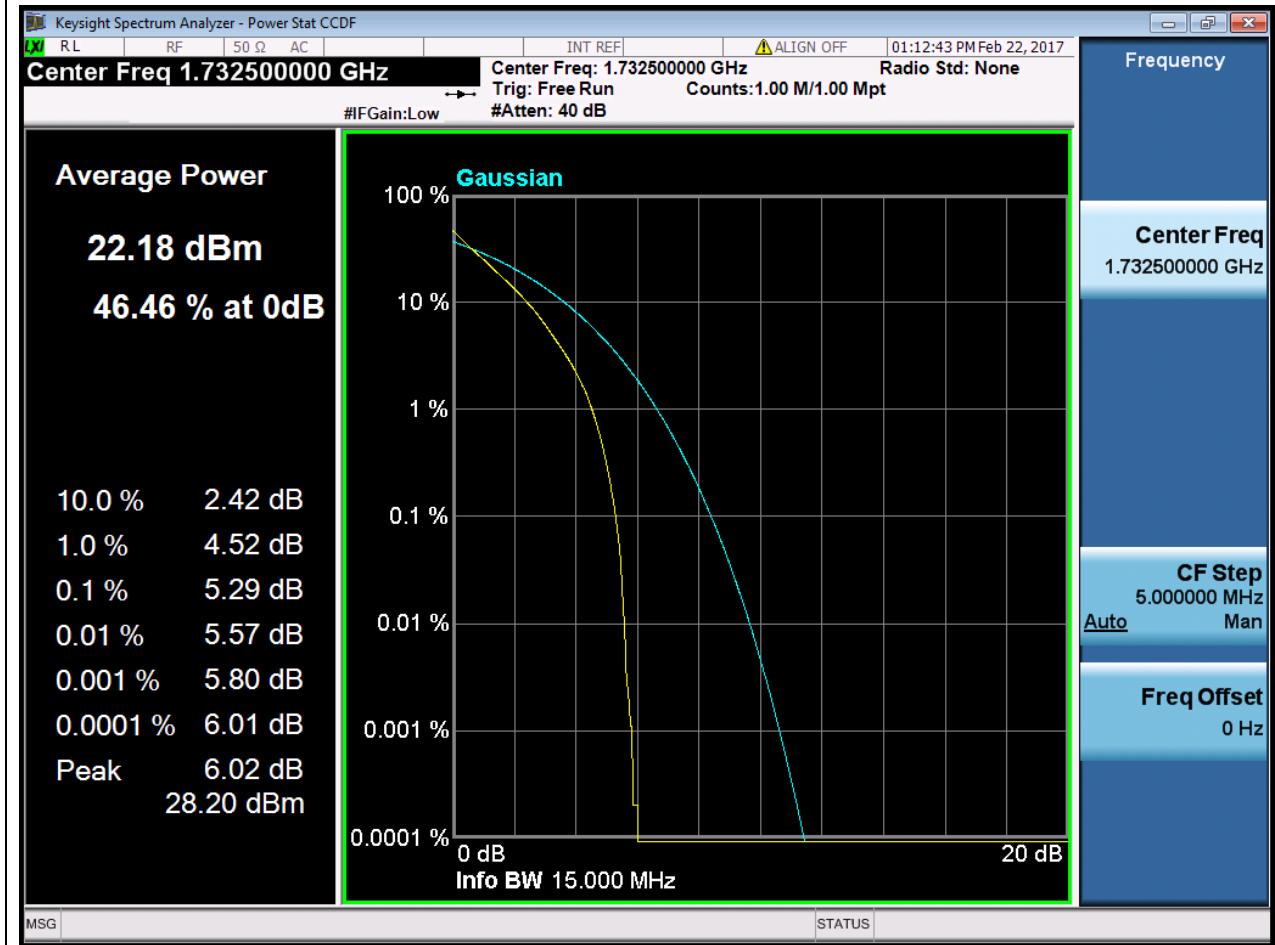
1.62. LTE Peak to Average Ratio(NTNV)(Subtest:62, Channel:20175, Bandwidth:15, Modulation:QPSK, RB Number: 36, RB Position:HIGH)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	4.81	13	Pass



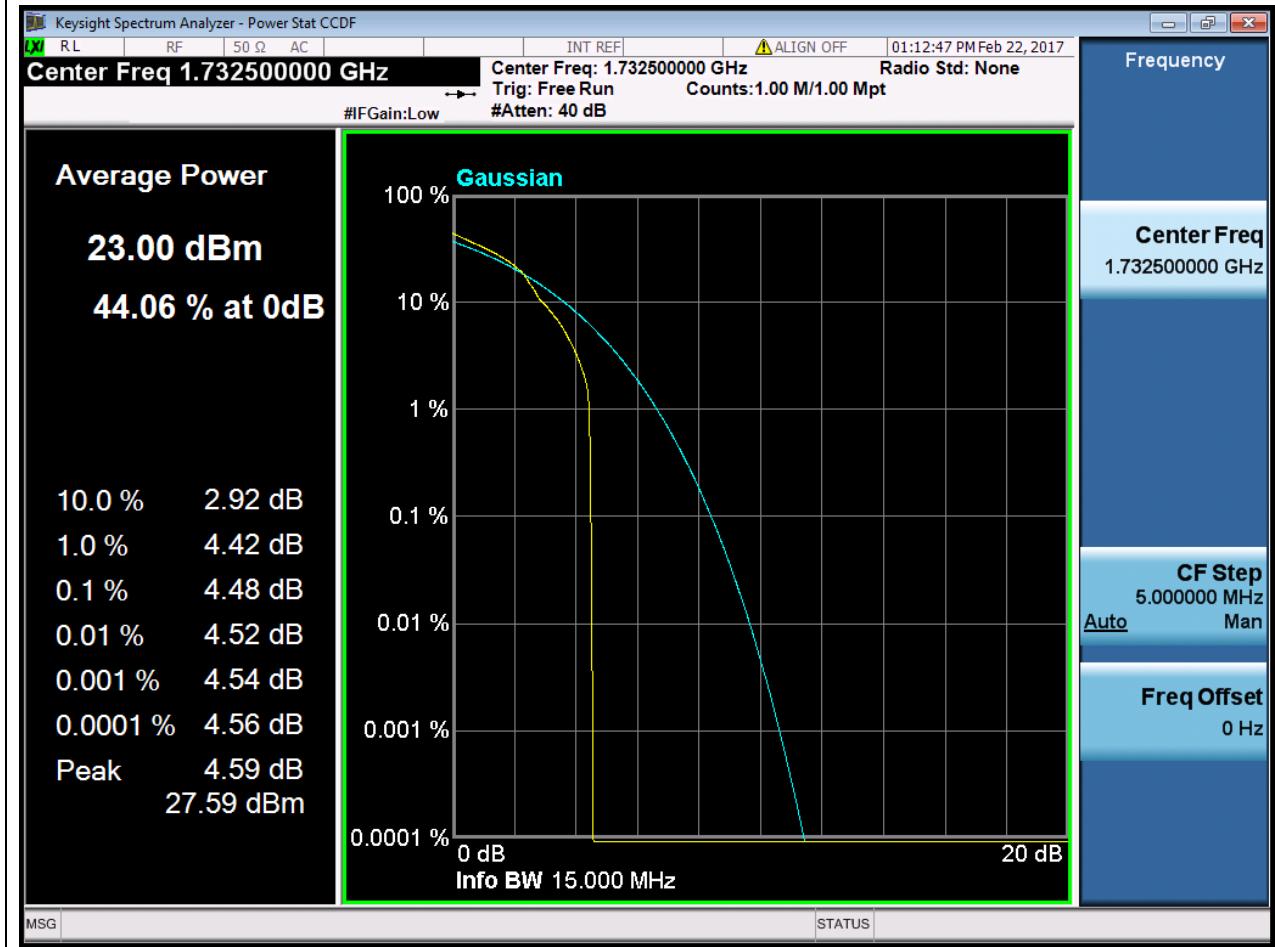
1.63. LTE Peak to Average Ratio(NTNV)(Subtest:63, Channel:20175, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	5.29	13	Pass



1.64. LTE Peak to Average Ratio(NTNV)(Subtest:64, Channel:20175, Bandwidth:15, Modulation:16QAM, RB Number: 1, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	4.48	13	Pass



1.65. LTE Peak to Average Ratio(NTNV)(Subtest:65, Channel:20175, Bandwidth:15, Modulation:16QAM, RB Number: 1, RB Position:MID)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	4.85	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 01:12:51 PM Feb 22, 2017

Center Freq 1.732500000 GHz Center Freq: 1.732500000 GHz Radio Std: None
Trig: Free Run Counts: 1.00 M/1.00 Mpt
#IFGain:Low #Atten: 40 dB

Average Power 22.48 dBm
43.49 % at 0dB

10.0 % 2.83 dB
1.0 % 4.78 dB
0.1 % 4.85 dB
0.01 % 4.88 dB
0.001 % 4.90 dB
0.0001 % 4.91 dB
Peak 4.94 dB
27.42 dBm

Gaussian



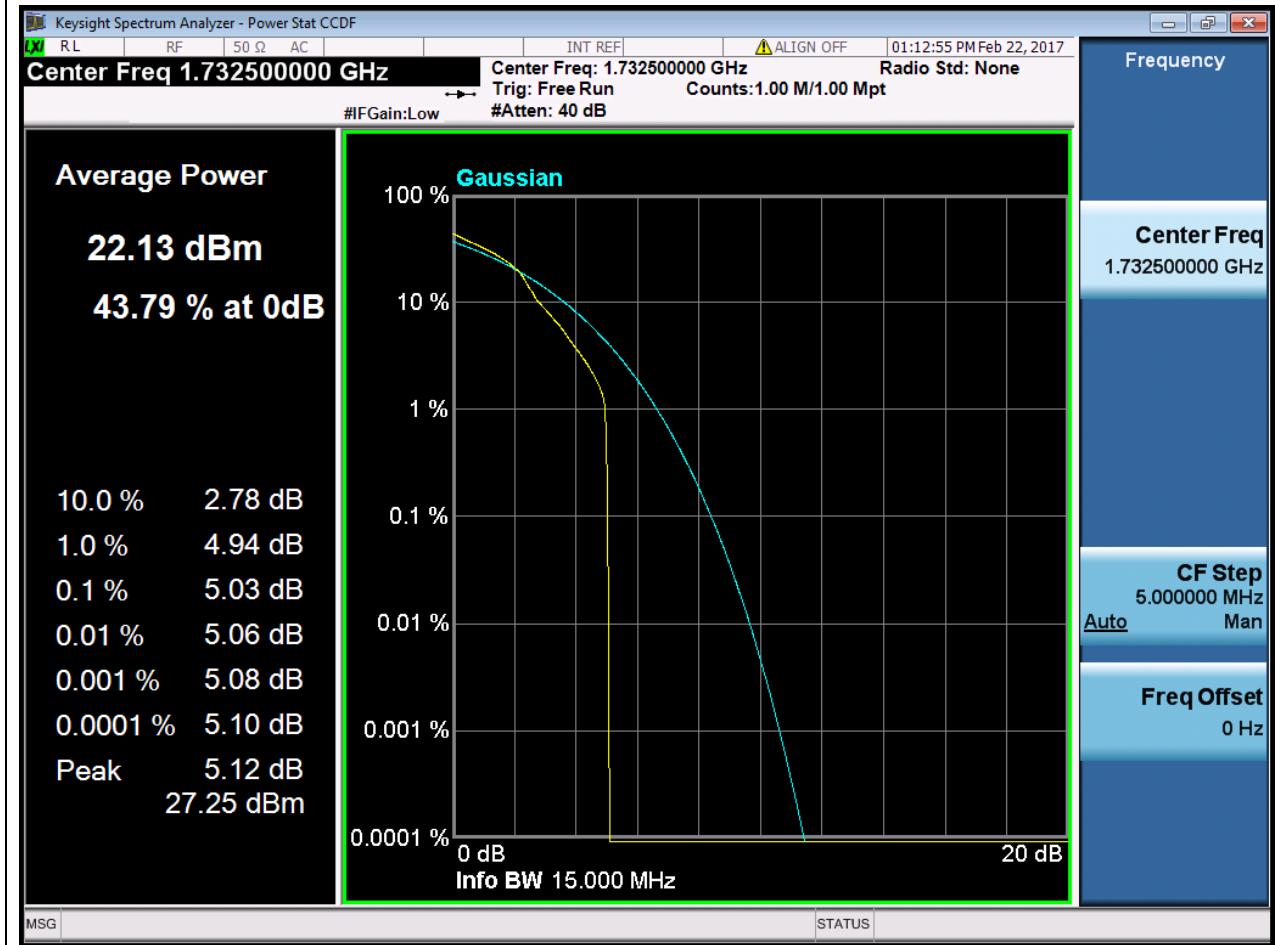
Info BW 15.000 MHz

Frequency
Center Freq 1.732500000 GHz
CF Step 5.000000 MHz Man
Auto
Freq Offset 0 Hz

MSG STATUS

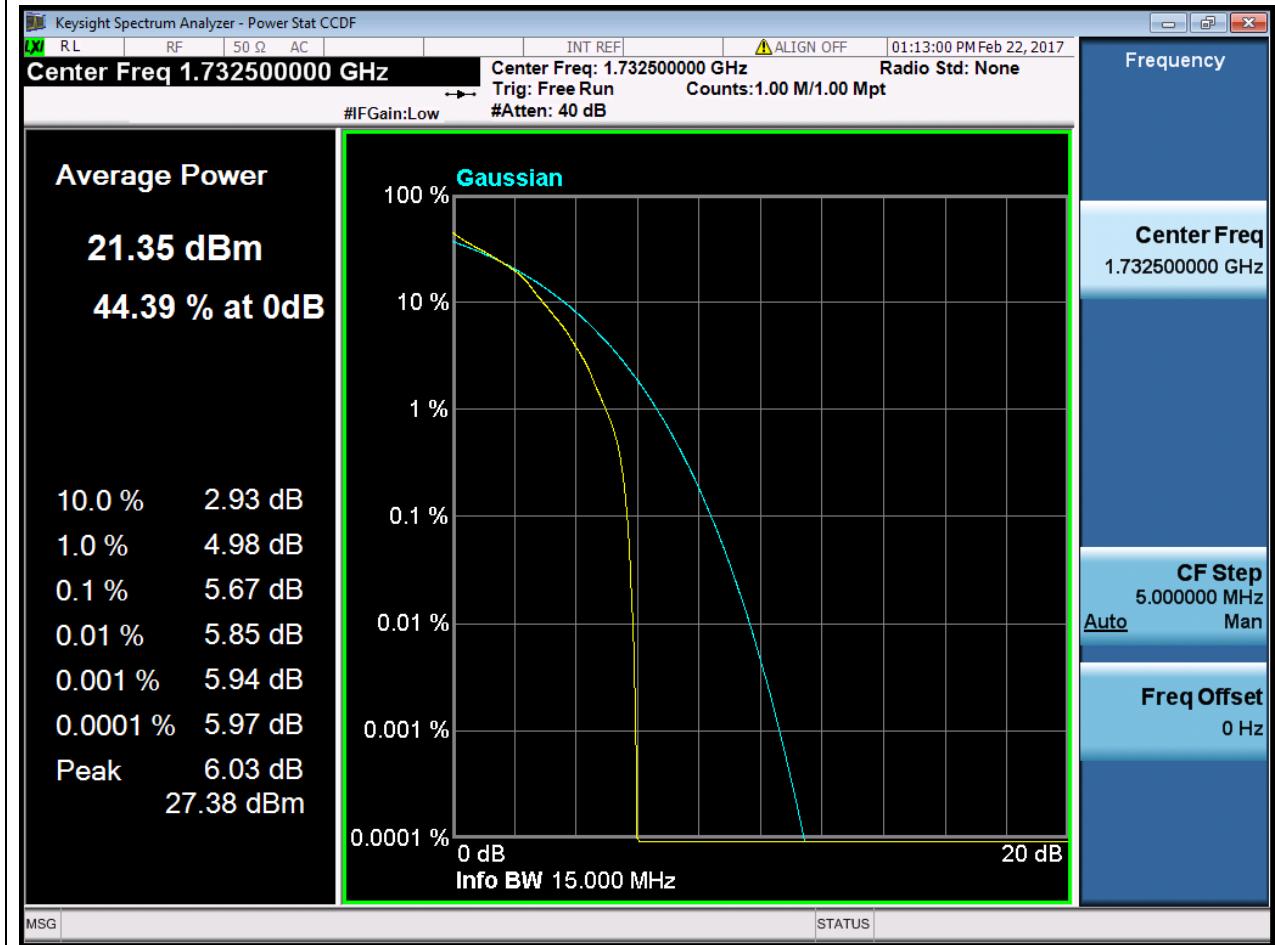
1.66. LTE Peak to Average Ratio(NTNV)(Subtest:66, Channel:20175, Bandwidth:15, Modulation:16QAM, RB Number: 1, RB Position:HIGH)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	5.03	13	Pass



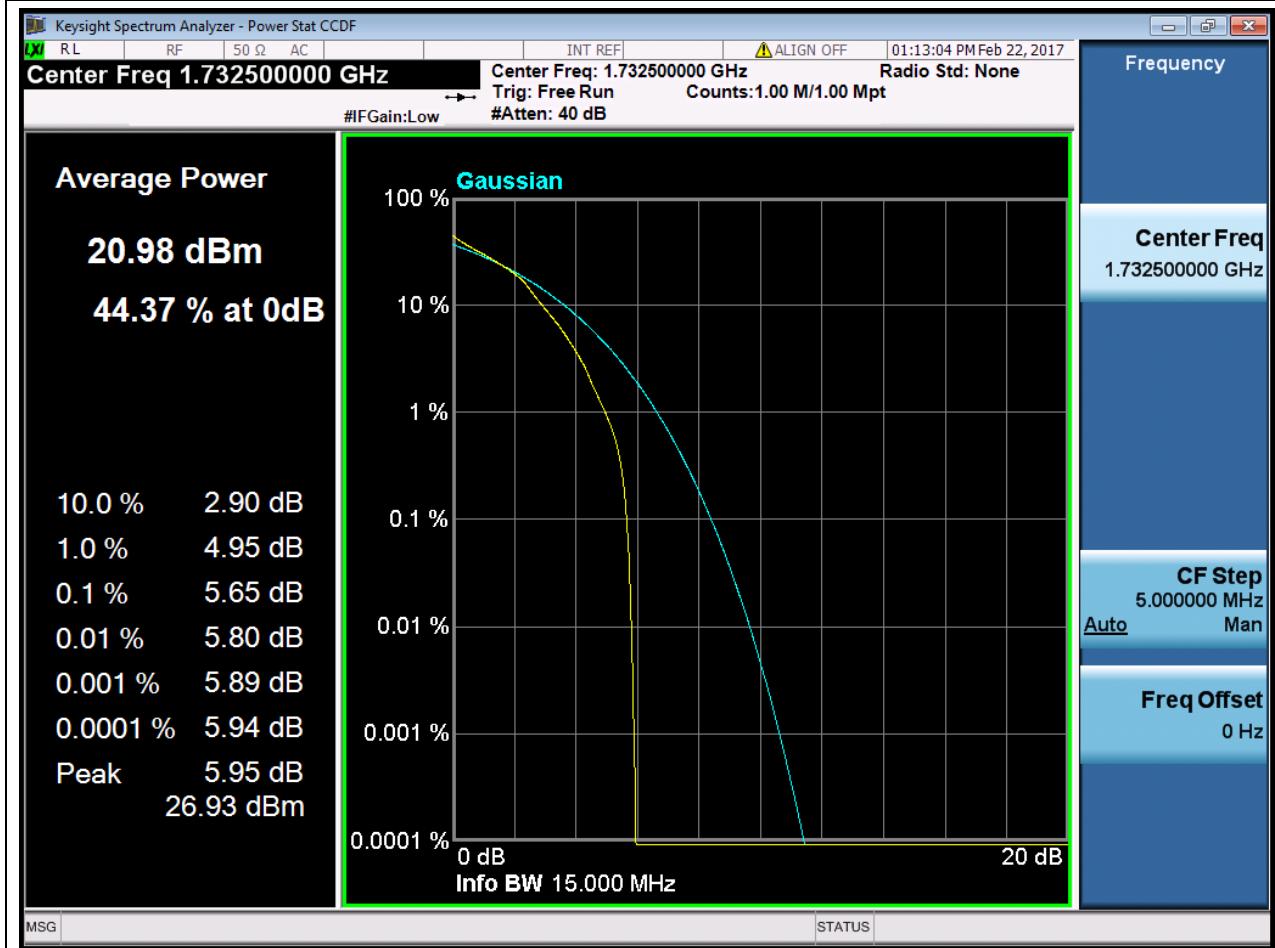
1.67. LTE Peak to Average Ratio(NTNV)(Subtest:67, Channel:20175, Bandwidth:15, Modulation:16QAM, RB Number: 36, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	5.67	13	Pass

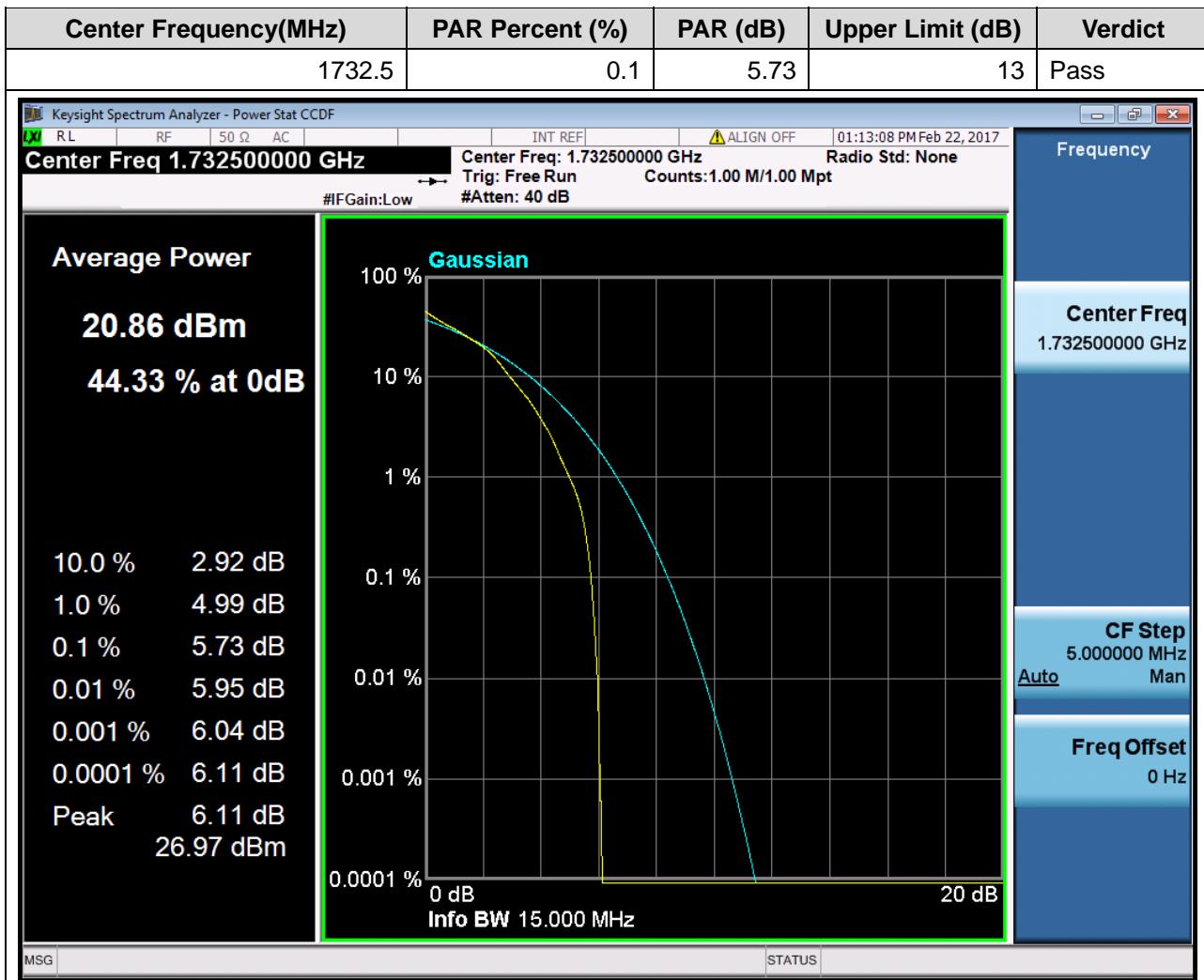


1.68. LTE Peak to Average Ratio(NTNV)(Subtest:68, Channel:20175, Bandwidth:15, Modulation:16QAM, RB Number: 36, RB Position:MID)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	5.65	13	Pass

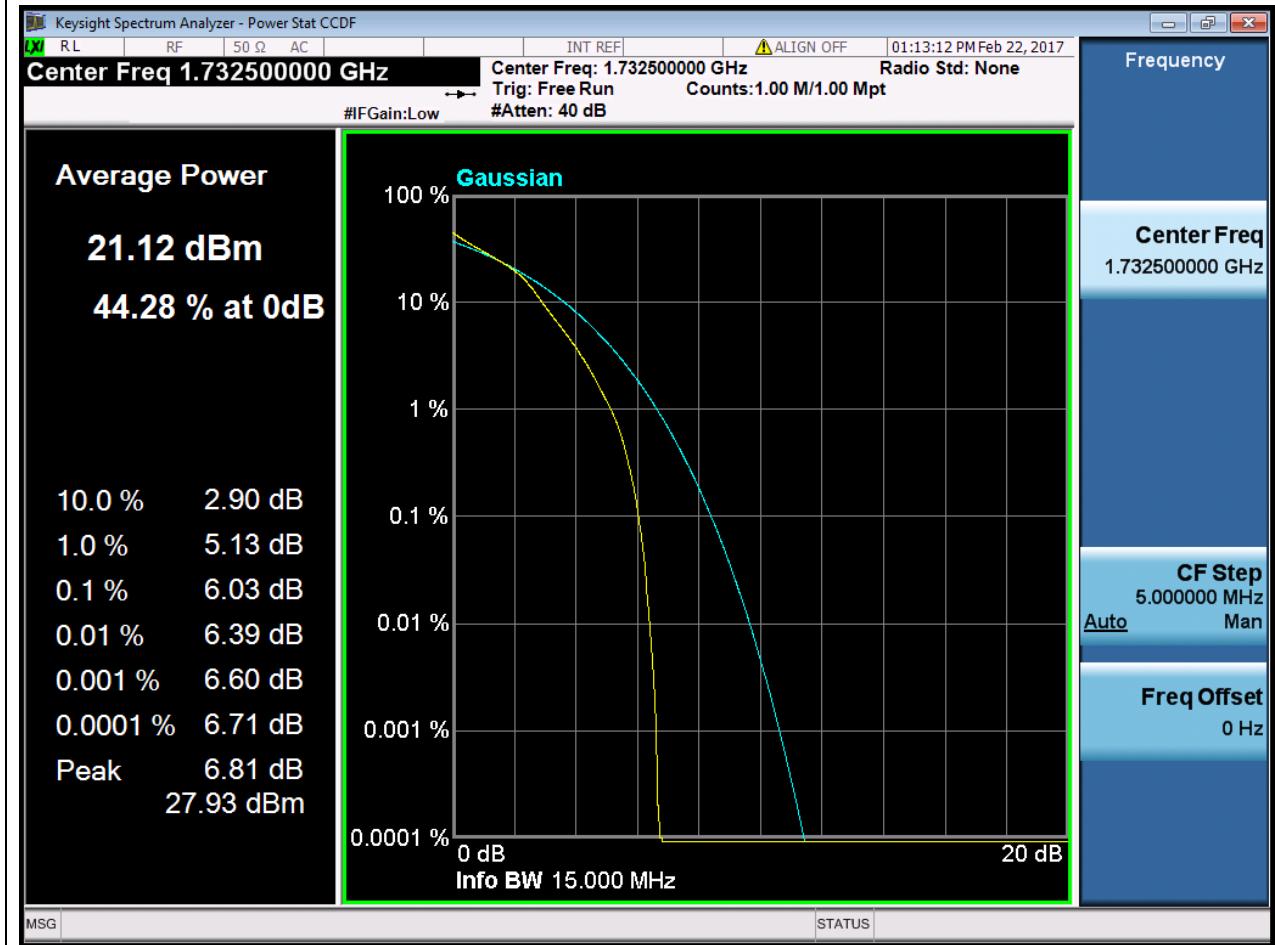


1.69. LTE Peak to Average Ratio(NTNV)(Subtest:69, Channel:20175, Bandwidth:15, Modulation:16QAM, RB Number: 36, RB Position:HIGH)



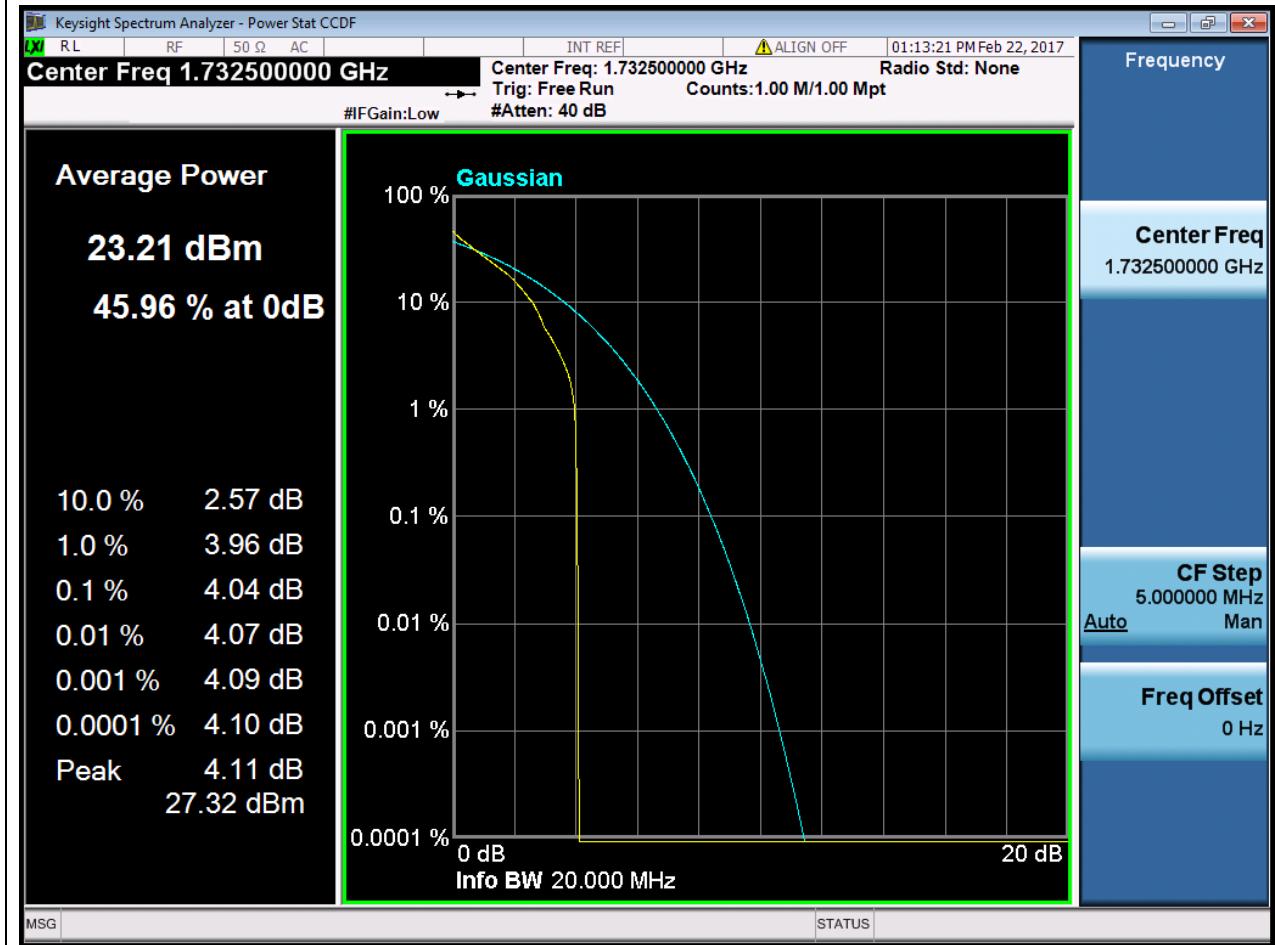
1.70. LTE Peak to Average Ratio(NTNV)(Subtest:70, Channel:20175, Bandwidth:15, Modulation:16QAM, RB Number: 75, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	6.03	13	Pass



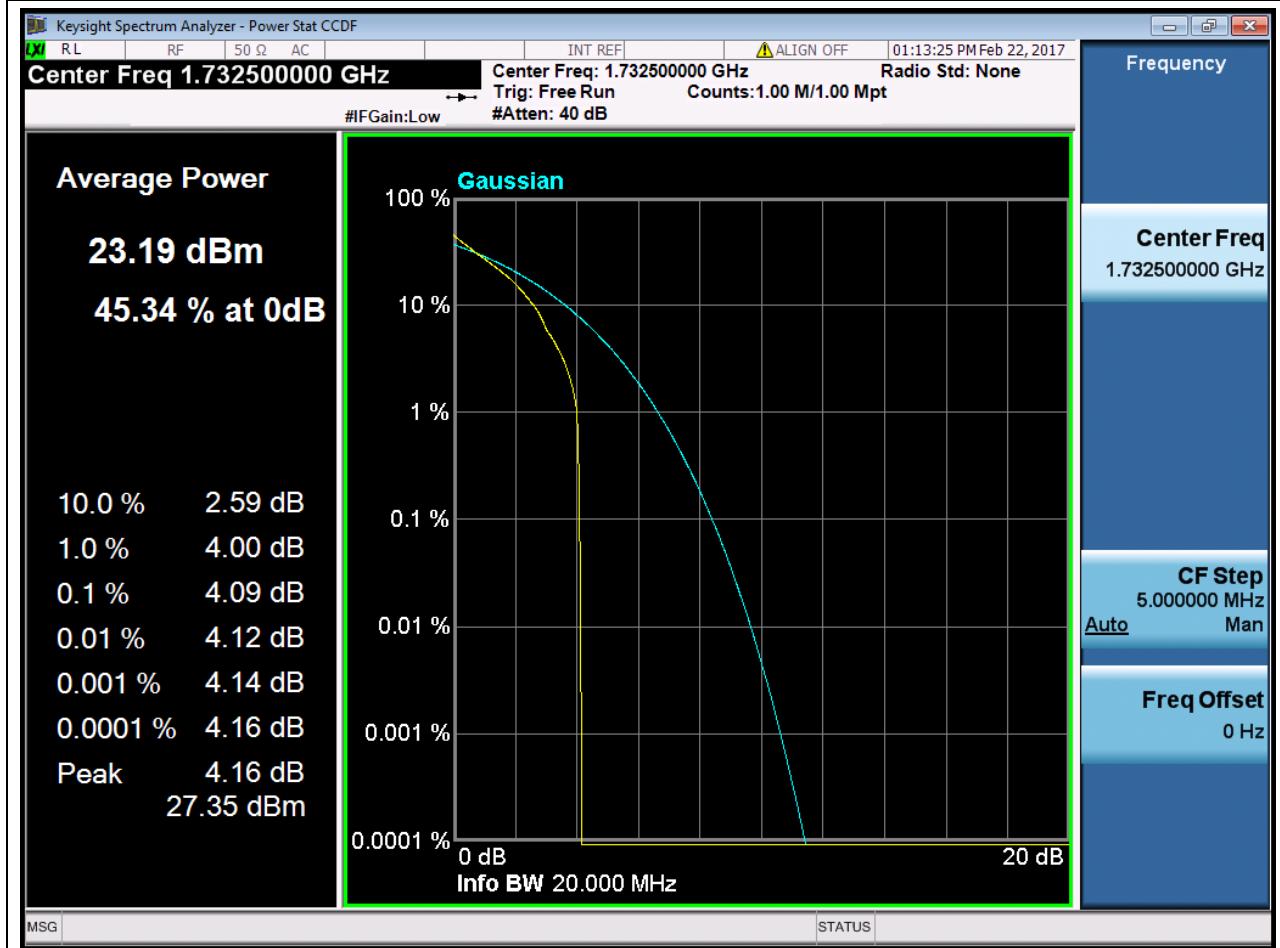
1.71. LTE Peak to Average Ratio(NTNV)(Subtest:71, Channel:20175, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	4.04	13	Pass



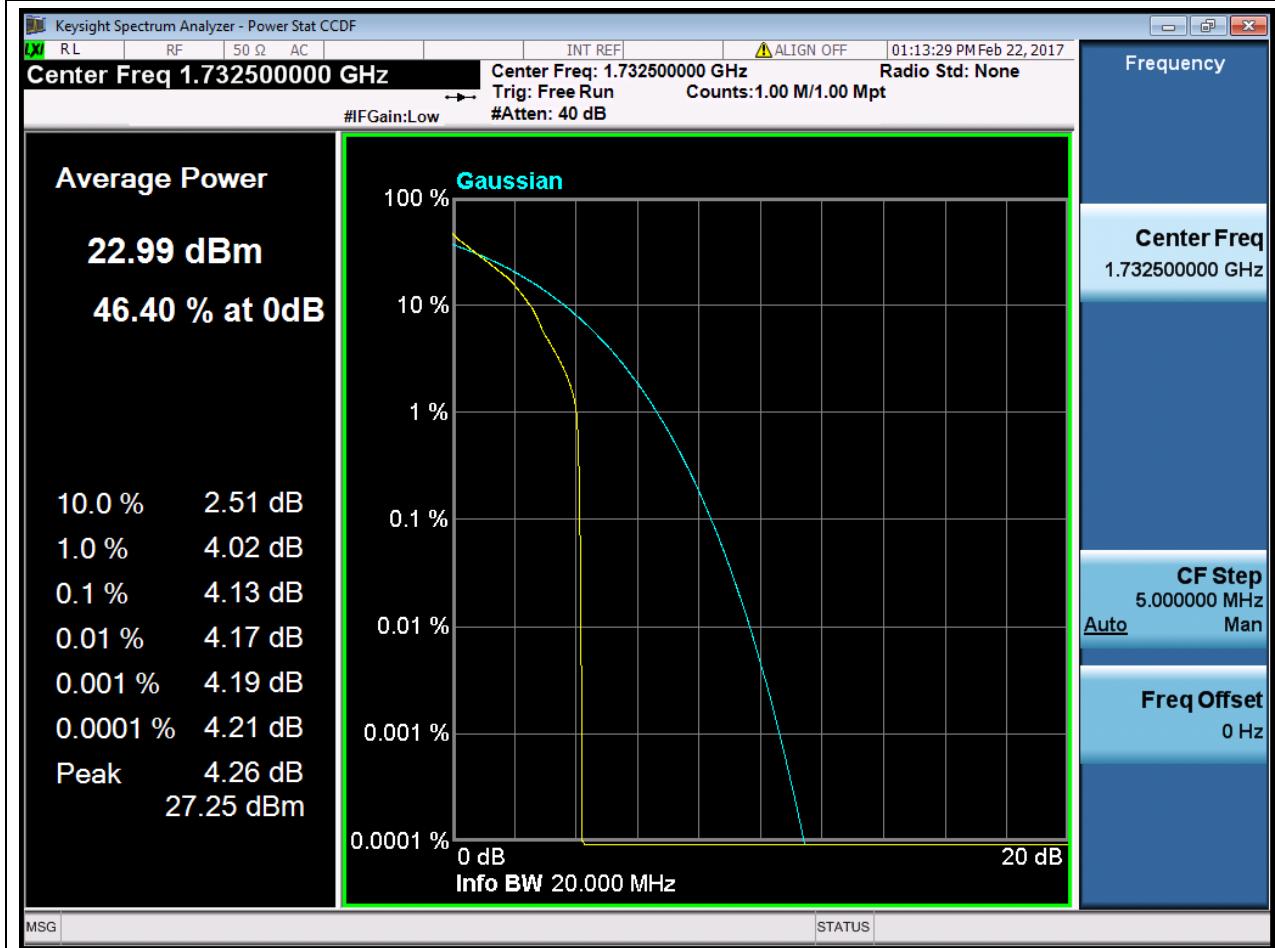
1.72. LTE Peak to Average Ratio(NTNV)(Subtest:72, Channel:20175, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:MID)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	4.09	13	Pass



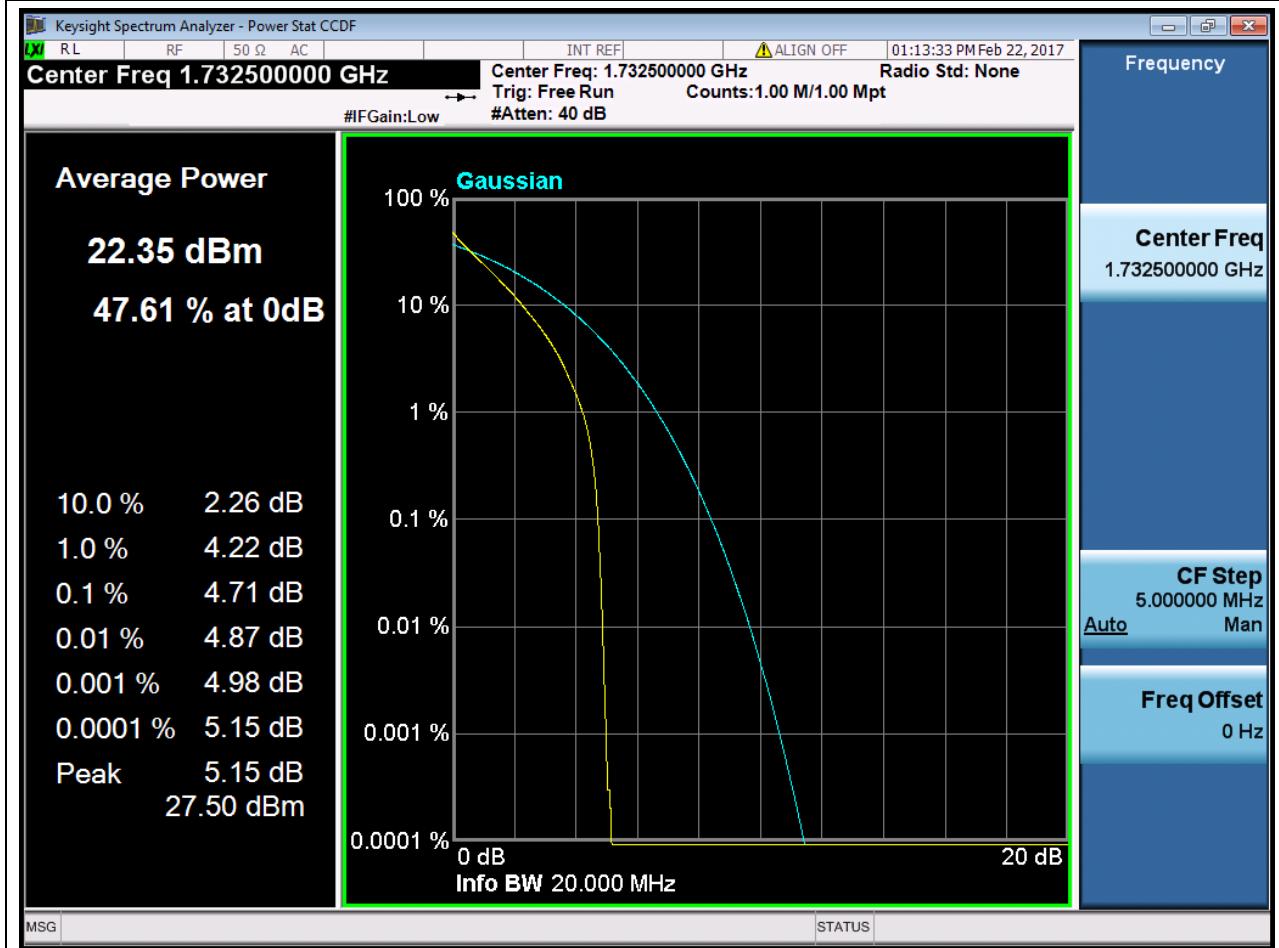
1.73. LTE Peak to Average Ratio(NTNV)(Subtest:73, Channel:20175, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	4.13	13	Pass



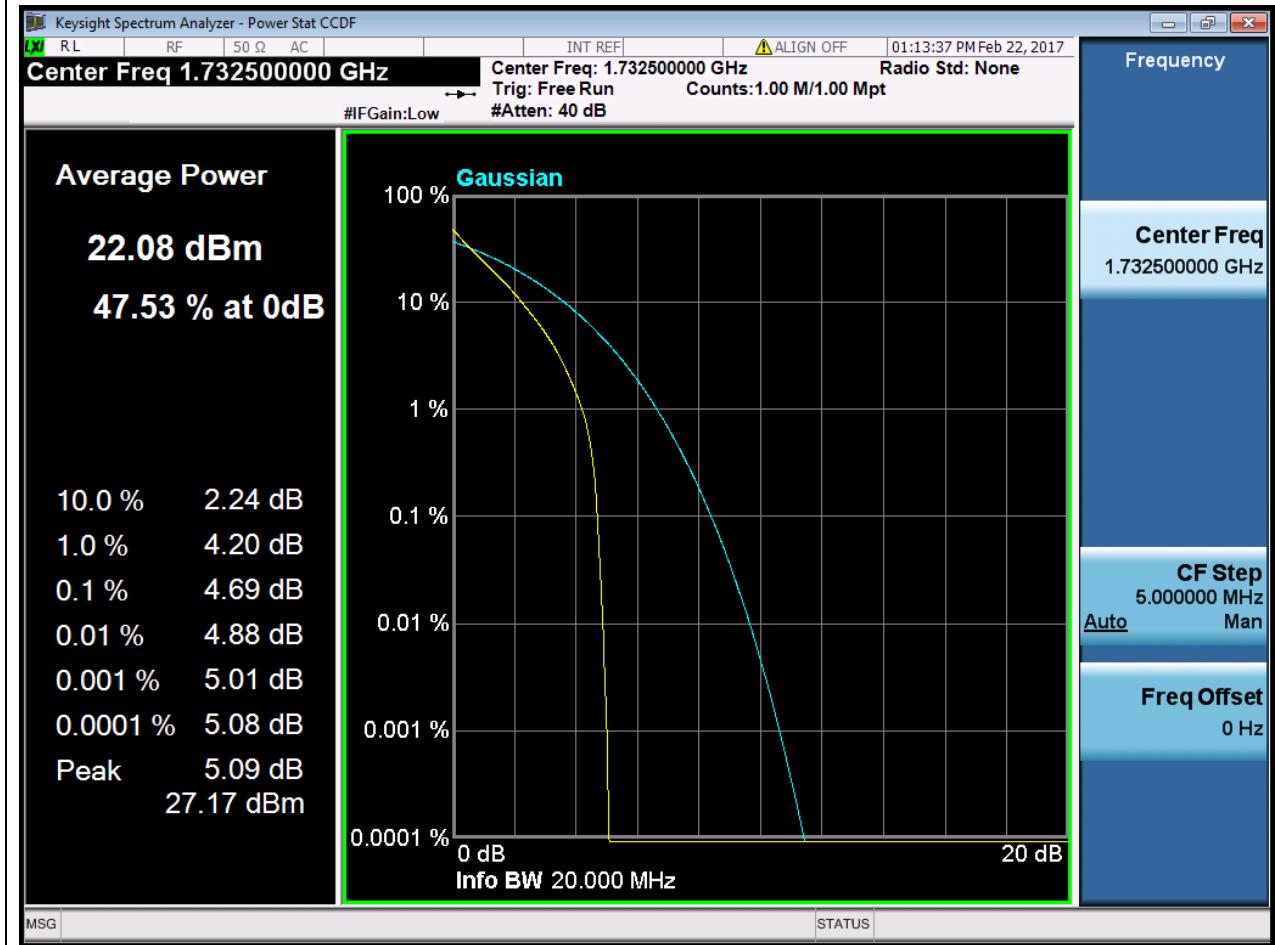
1.74. LTE Peak to Average Ratio(NTNV)(Subtest:74, Channel:20175, Bandwidth:20, Modulation:QPSK, RB Number: 50, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	4.71	13	Pass



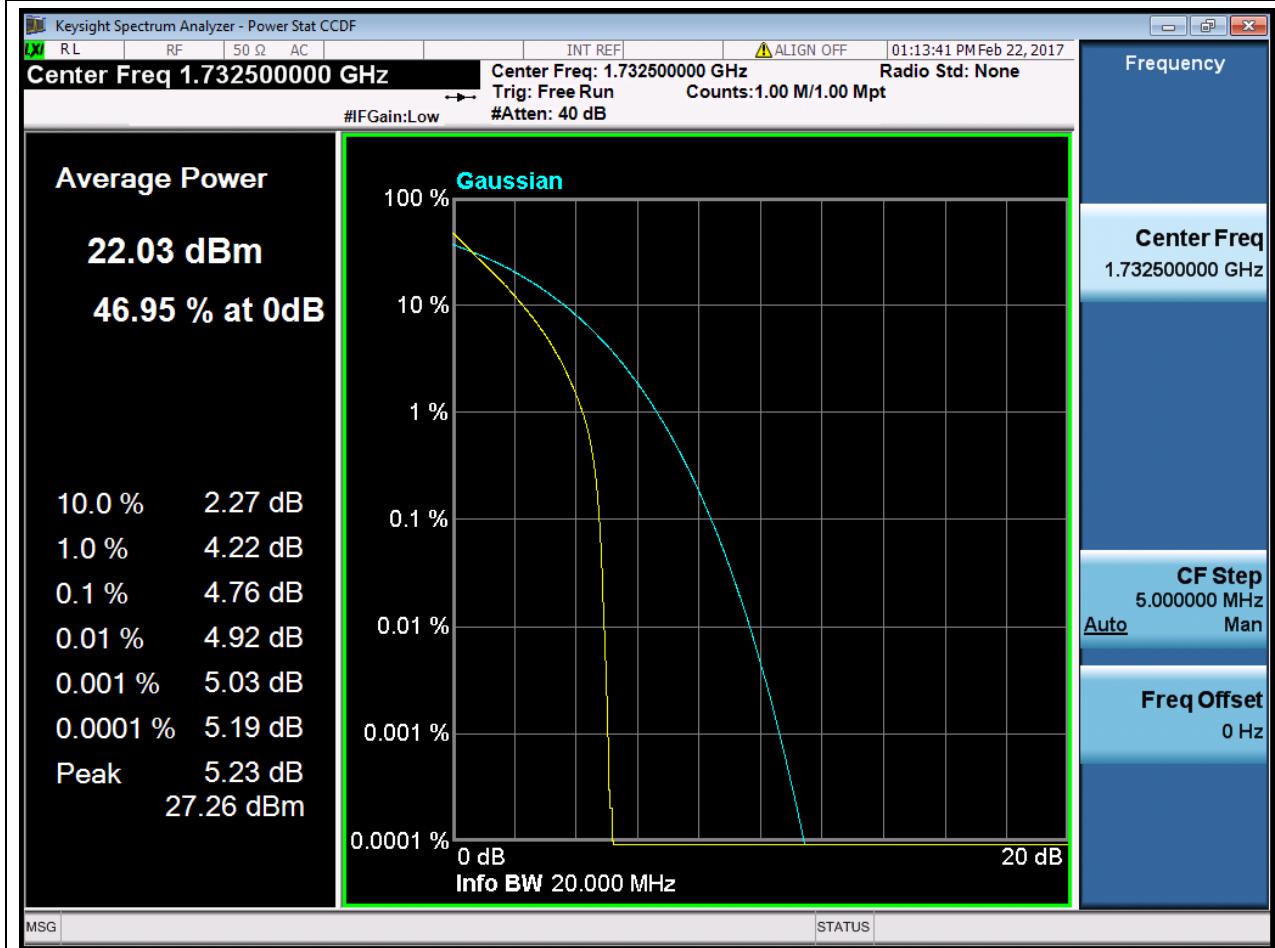
1.75. LTE Peak to Average Ratio(NTNV)(Subtest:75, Channel:20175, Bandwidth:20, Modulation:QPSK, RB Number: 50, RB Position:MID)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	4.69	13	Pass



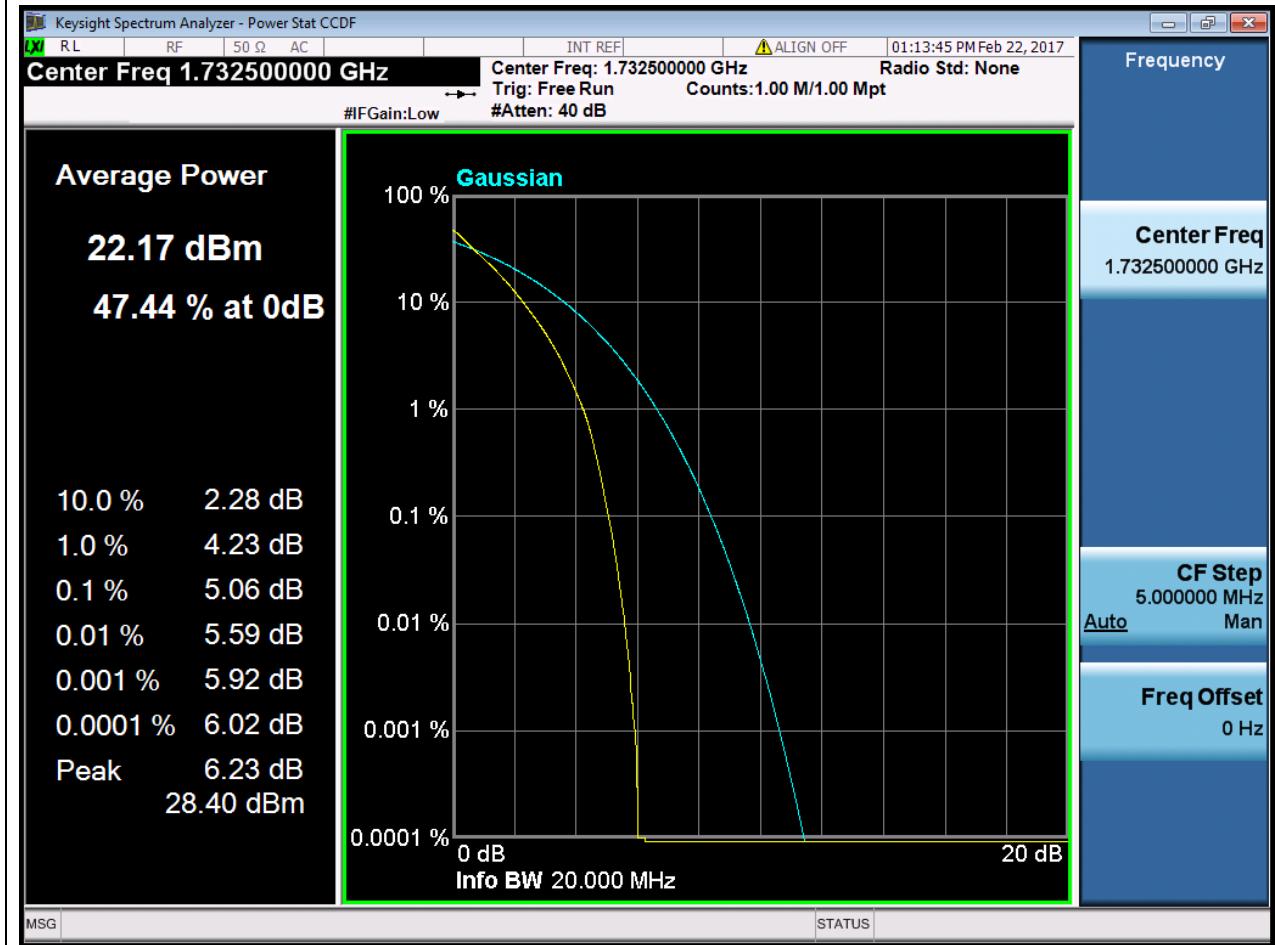
1.76. LTE Peak to Average Ratio(NTNV)(Subtest:76, Channel:20175, Bandwidth:20, Modulation:QPSK, RB Number: 50, RB Position:HIGH)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	4.76	13	Pass



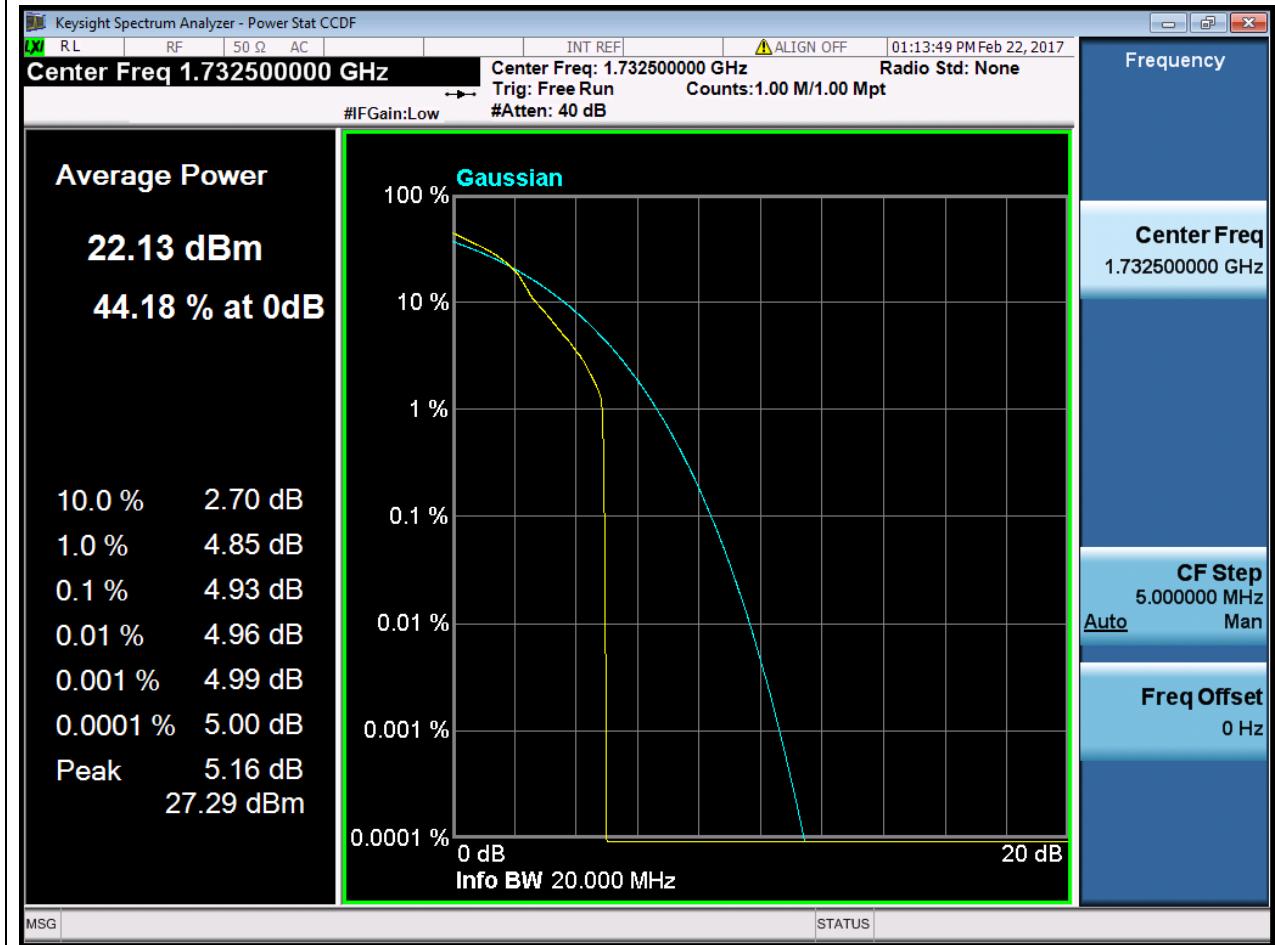
1.77. LTE Peak to Average Ratio(NTNV)(Subtest:77, Channel:20175, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	5.06	13	Pass



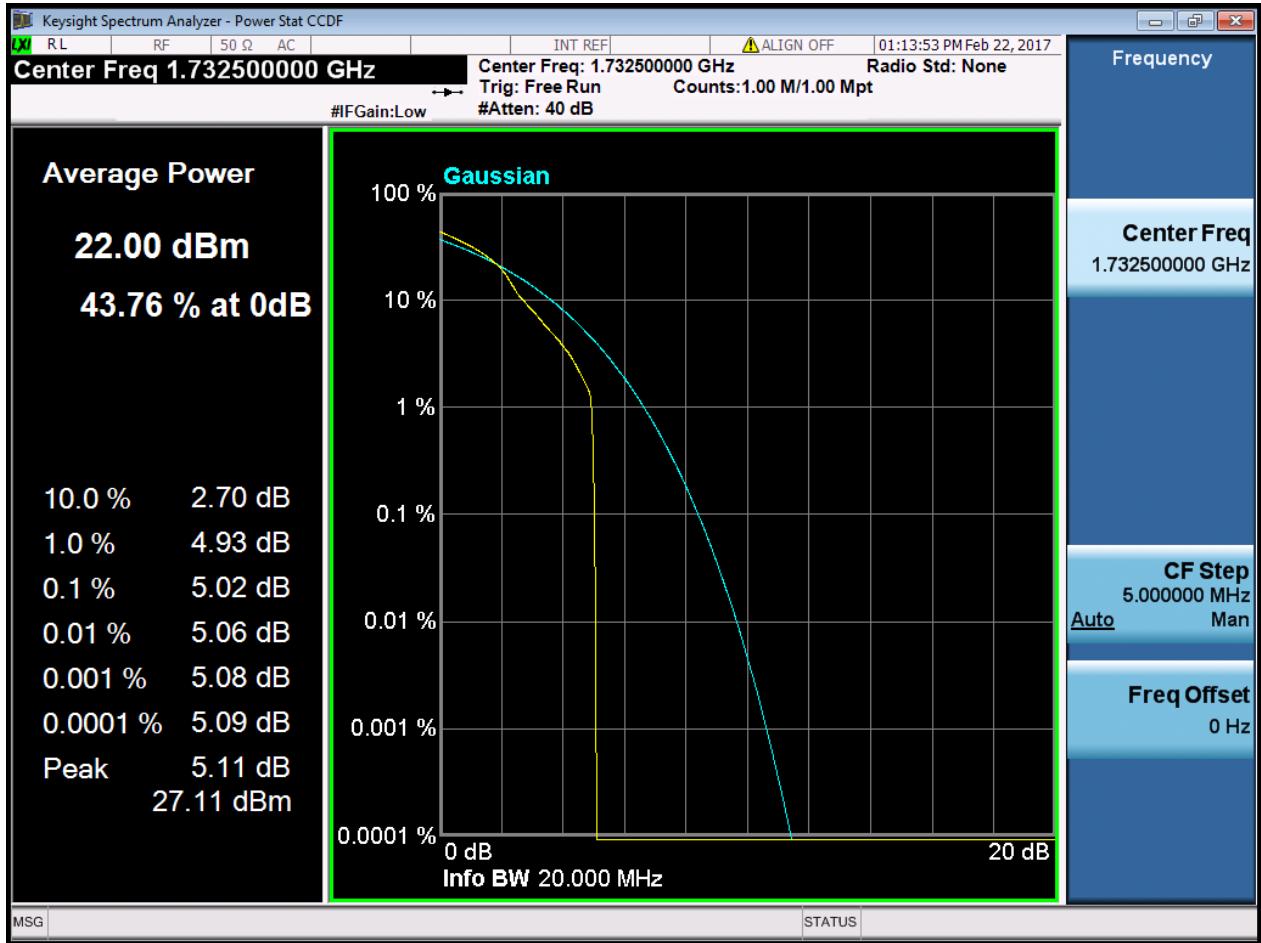
1.78. LTE Peak to Average Ratio(NTNV)(Subtest:78, Channel:20175, Bandwidth:20, Modulation:16QAM, RB Number: 1, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	4.93	13	Pass



1.79. LTE Peak to Average Ratio(NTNV)(Subtest:79, Channel:20175, Bandwidth:20, Modulation:16QAM, RB Number: 1, RB Position:MID)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	5.02	13	Pass



Average Power
22.00 dBm
43.76 % at 0dB

10.0 %	2.70 dB
1.0 %	4.93 dB
0.1 %	5.02 dB
0.01 %	5.06 dB
0.001 %	5.08 dB
0.0001 %	5.09 dB
Peak	5.11 dB
	27.11 dBm

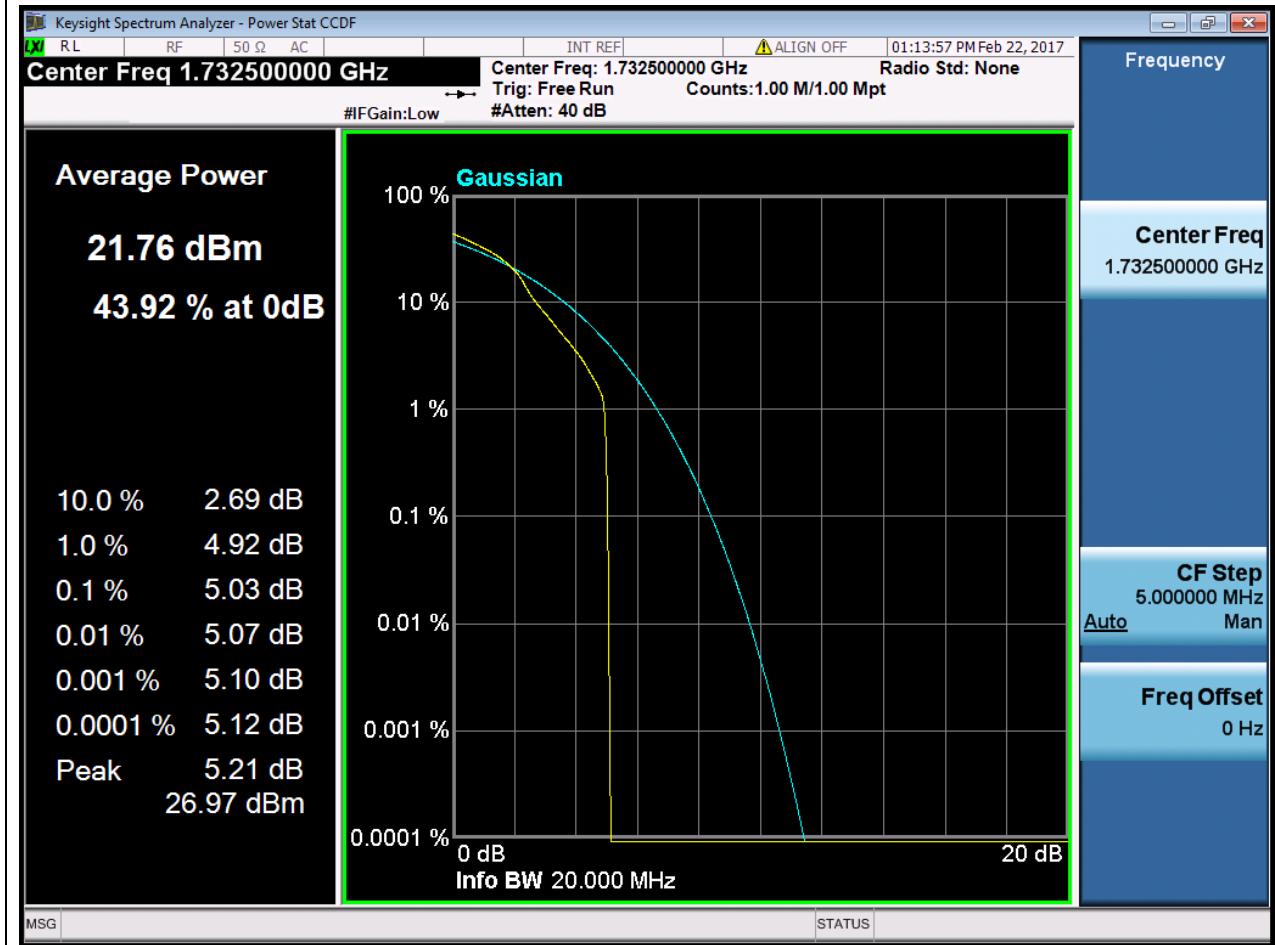
Center Freq
1.732500000 GHz

CF Step
5.000000 MHz

Freq Offset
0 Hz

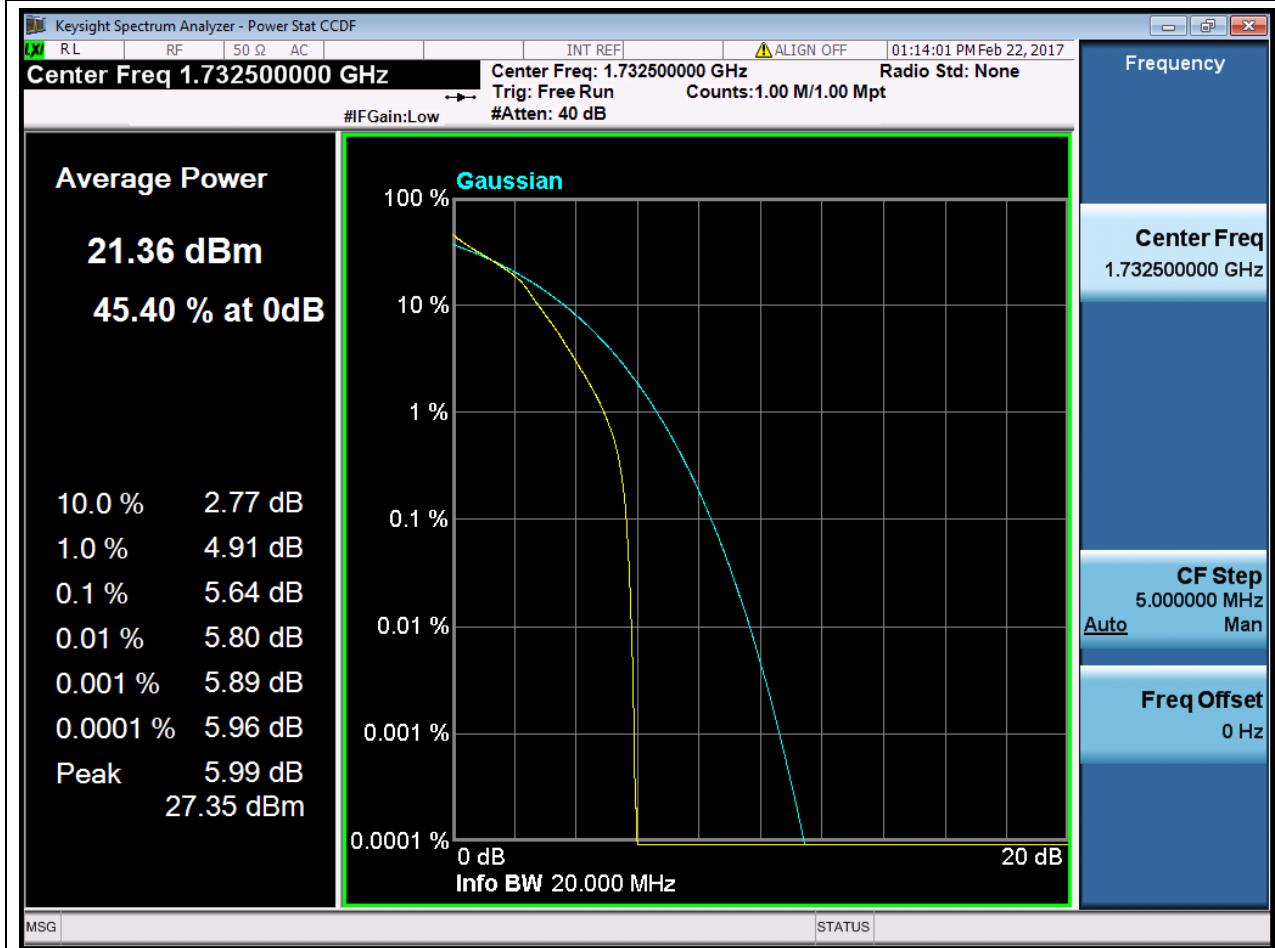
1.80. LTE Peak to Average Ratio(NTNV)(Subtest:80, Channel:20175, Bandwidth:20, Modulation:16QAM, RB Number: 1, RB Position:HIGH)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	5.03	13	Pass



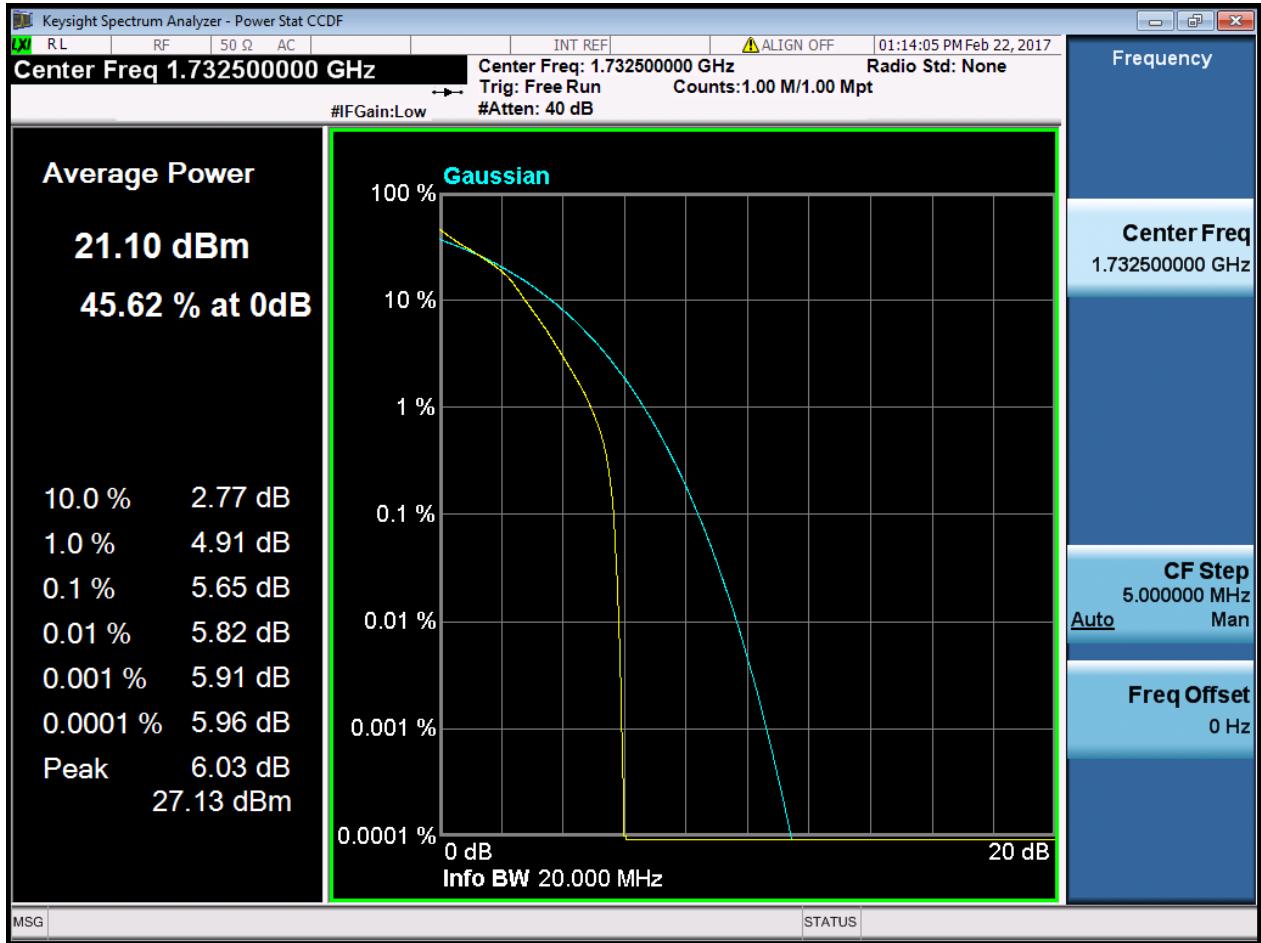
1.81. LTE Peak to Average Ratio(NTNV)(Subtest:81, Channel:20175, Bandwidth:20, Modulation:16QAM, RB Number: 50, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	5.64	13	Pass



1.82. LTE Peak to Average Ratio(NTNV)(Subtest:82, Channel:20175, Bandwidth:20, Modulation:16QAM, RB Number: 50, RB Position:MID)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	5.65	13	Pass



Average Power
21.10 dBm
45.62 % at 0dB

10.0 %	2.77 dB
1.0 %	4.91 dB
0.1 %	5.65 dB
0.01 %	5.82 dB
0.001 %	5.91 dB
0.0001 %	5.96 dB
Peak	6.03 dB
	27.13 dBm

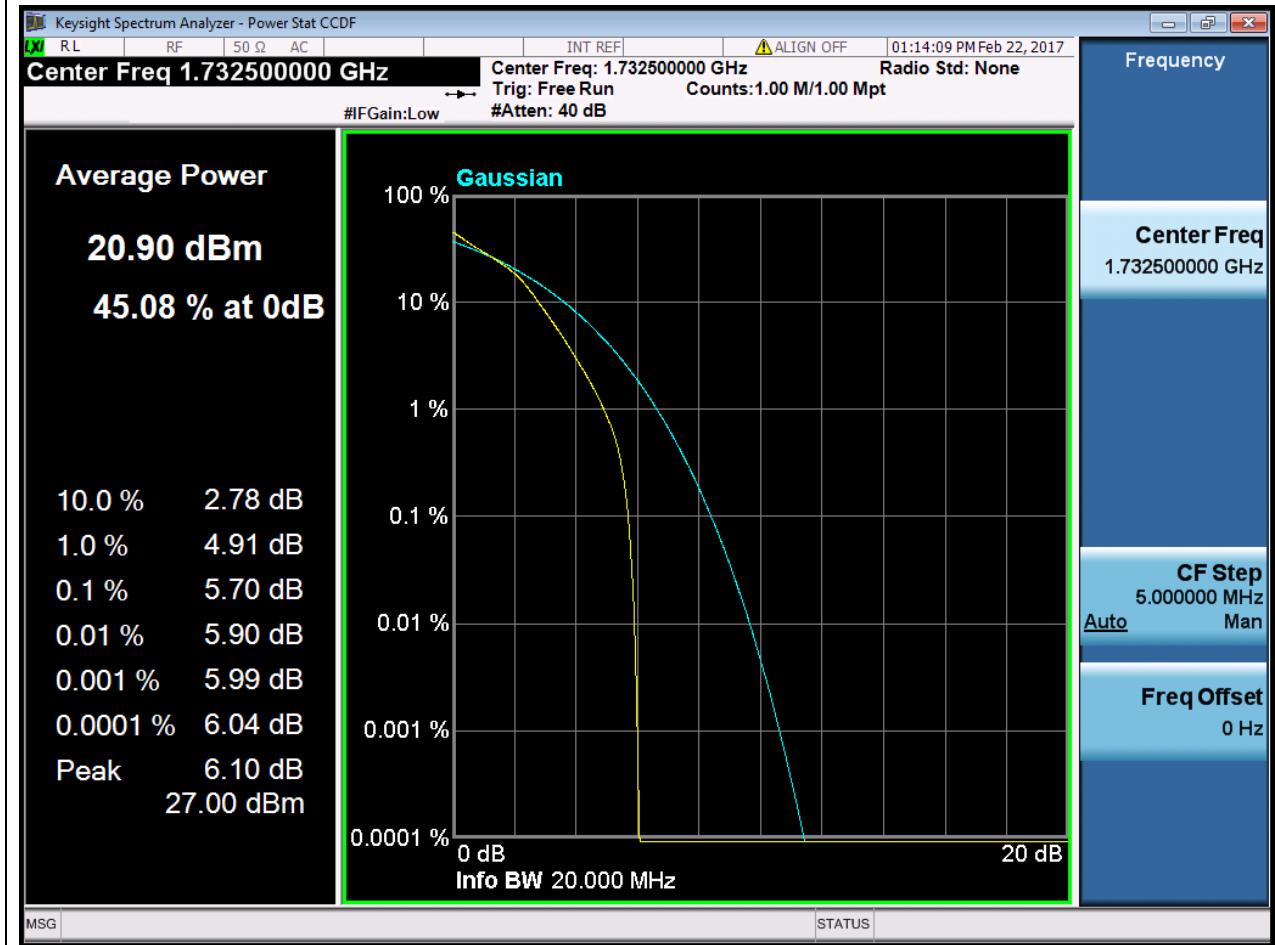
Center Freq 1.732500000 GHz
 Radio Std: None
 Trig: Free Run Counts:1.00 M/1.00 Mpt
 #IFGain:Low #Atten: 40 dB

Frequency
 CF Step 5.000000 MHz
 Auto Man
 Freq Offset 0 Hz

Gaussian
 100 %
 10 %
 1 %
 0.1 %
 0.01 %
 0.001 %
 0.0001 %
 0 dB 20 dB
 Info BW 20.000 MHz

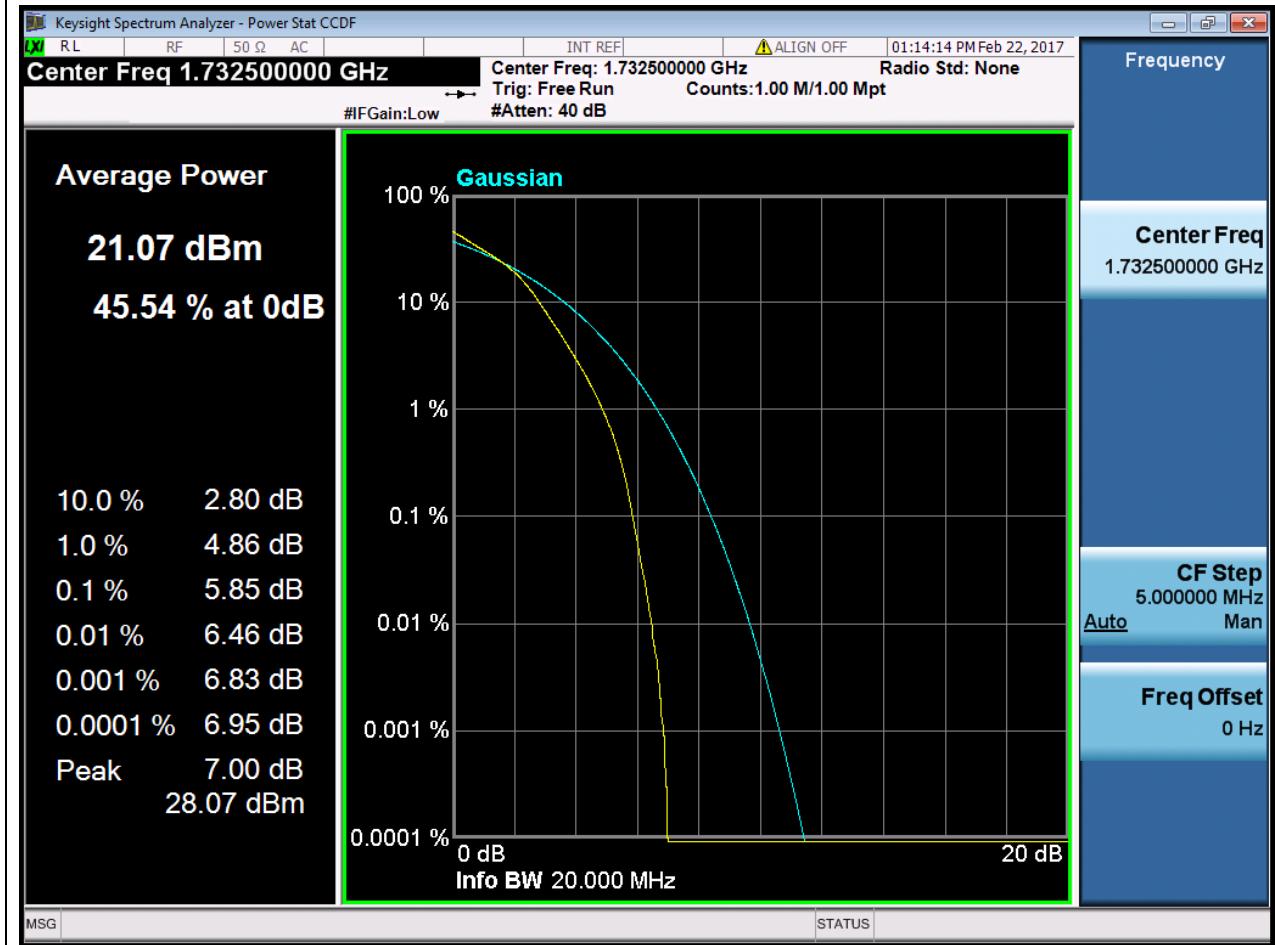
1.83. LTE Peak to Average Ratio(NTNV)(Subtest:83, Channel:20175, Bandwidth:20, Modulation:16QAM, RB Number: 50, RB Position:HIGH)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	5.7	13	Pass



1.84. LTE Peak to Average Ratio(NTNV)(Subtest:84, Channel:20175, Bandwidth:20, Modulation:16QAM, RB Number: 100, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	5.85	13	Pass



END