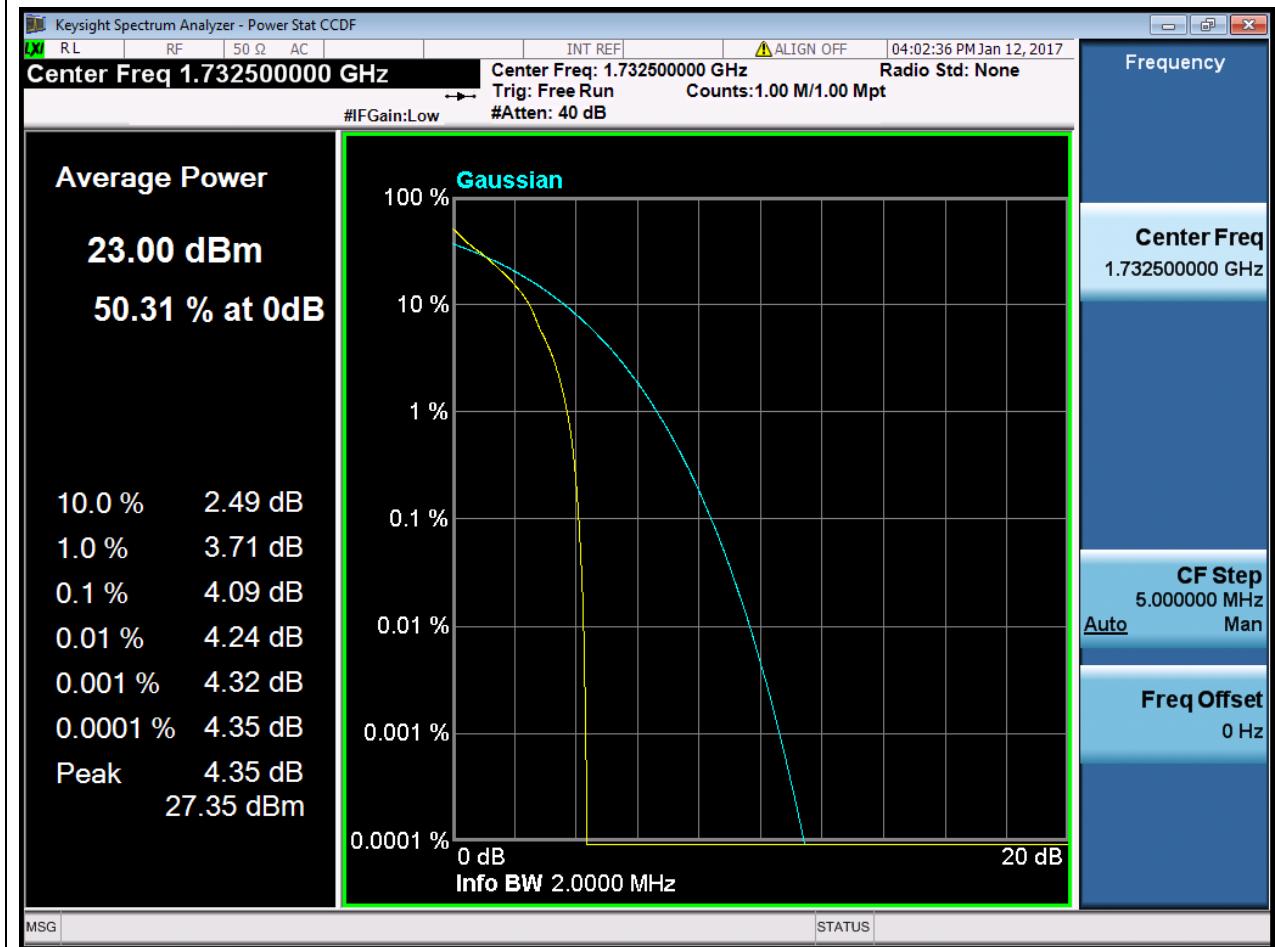


## Annex B. LTE Peak to Average Ratio

## 1. LTE\_Band4

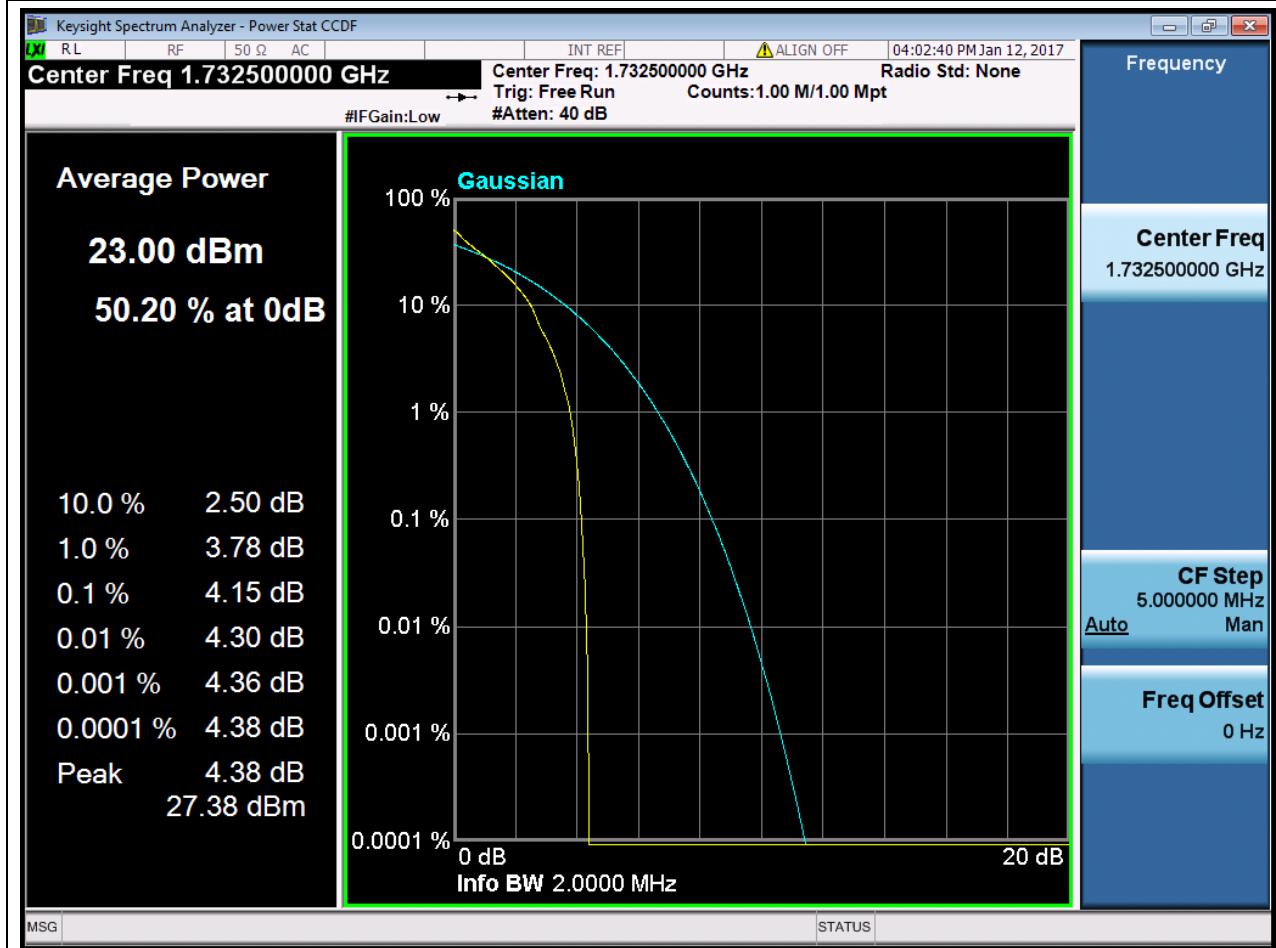
**1.1. LTE Peak to Average Ratio(NTNV)(Subtest:1, Channel:20175, Bandwidth:1.4, Modulation:QPSK, RB Number: 1, RB Position:LOW)**

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



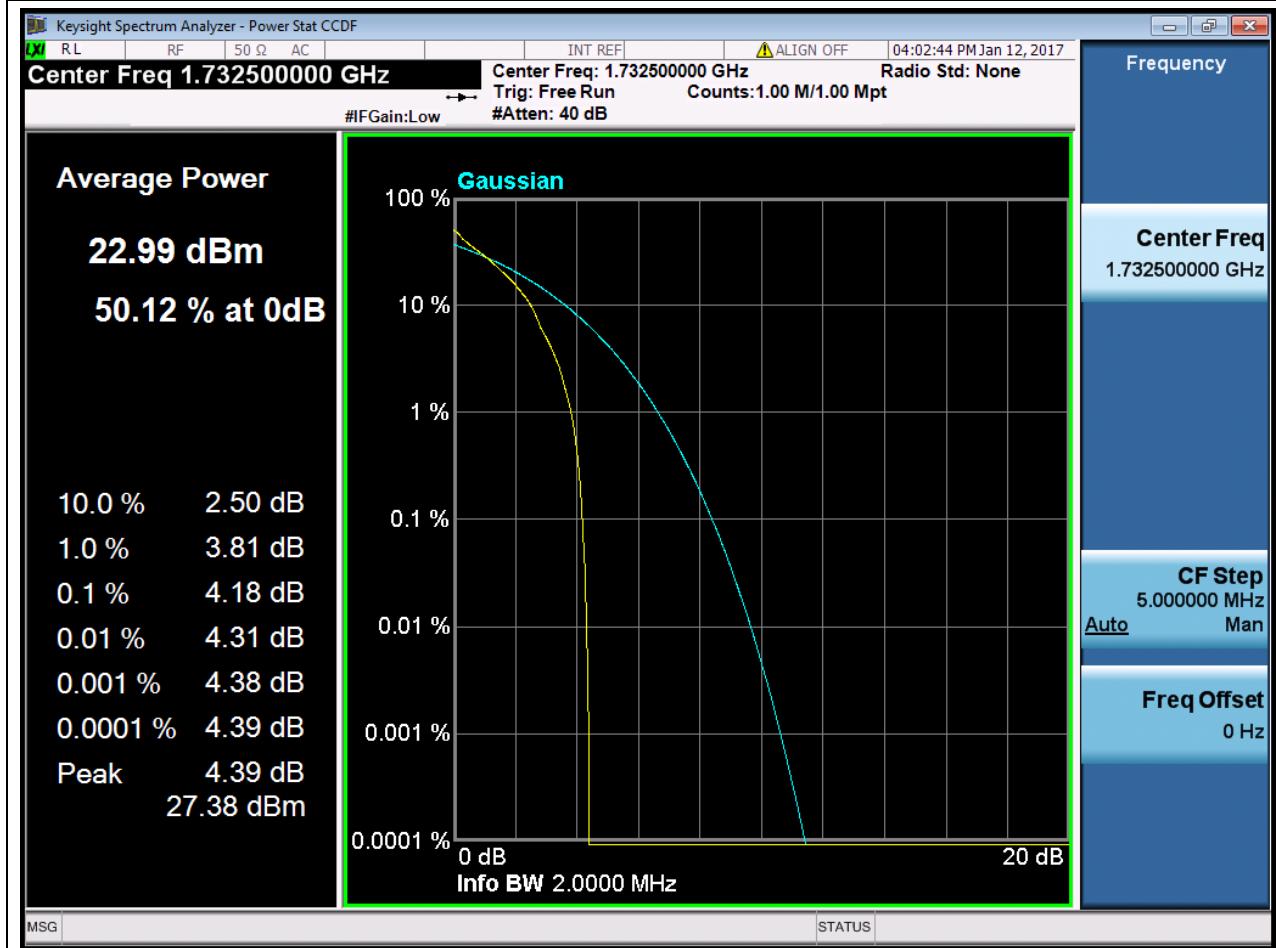
**1.2. LTE Peak to Average Ratio(NTNV)(Subtest:2, Channel:20175, Bandwidth:1.4, Modulation:QPSK, RB Number: 1, RB Position:MID)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	4.15	13	Pass



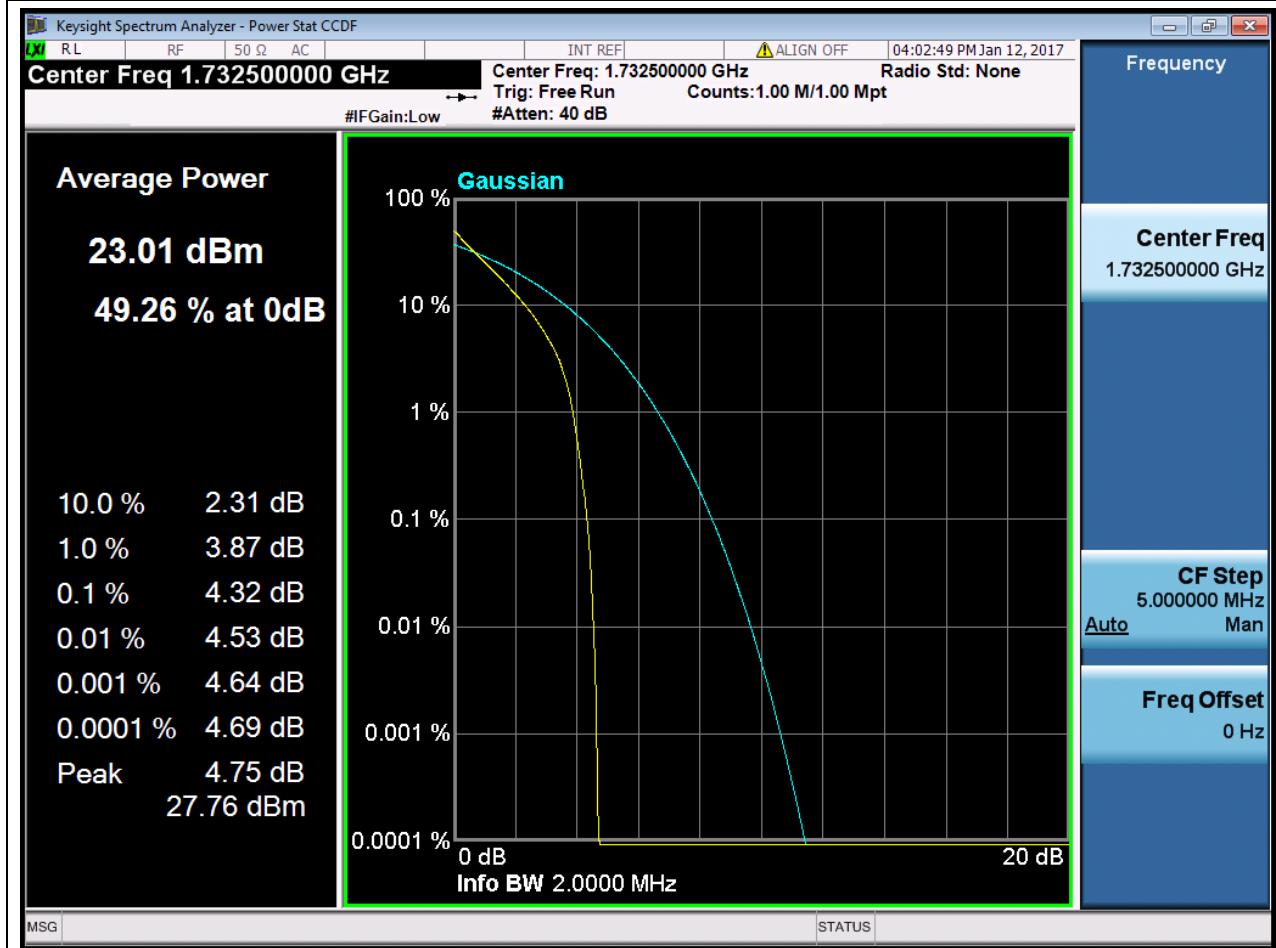
**1.3. LTE Peak to Average Ratio(NTNV)(Subtest:3, Channel:20175, Bandwidth:1.4, Modulation:QPSK, RB Number: 1, RB Position:HIGH)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	4.18	13	Pass



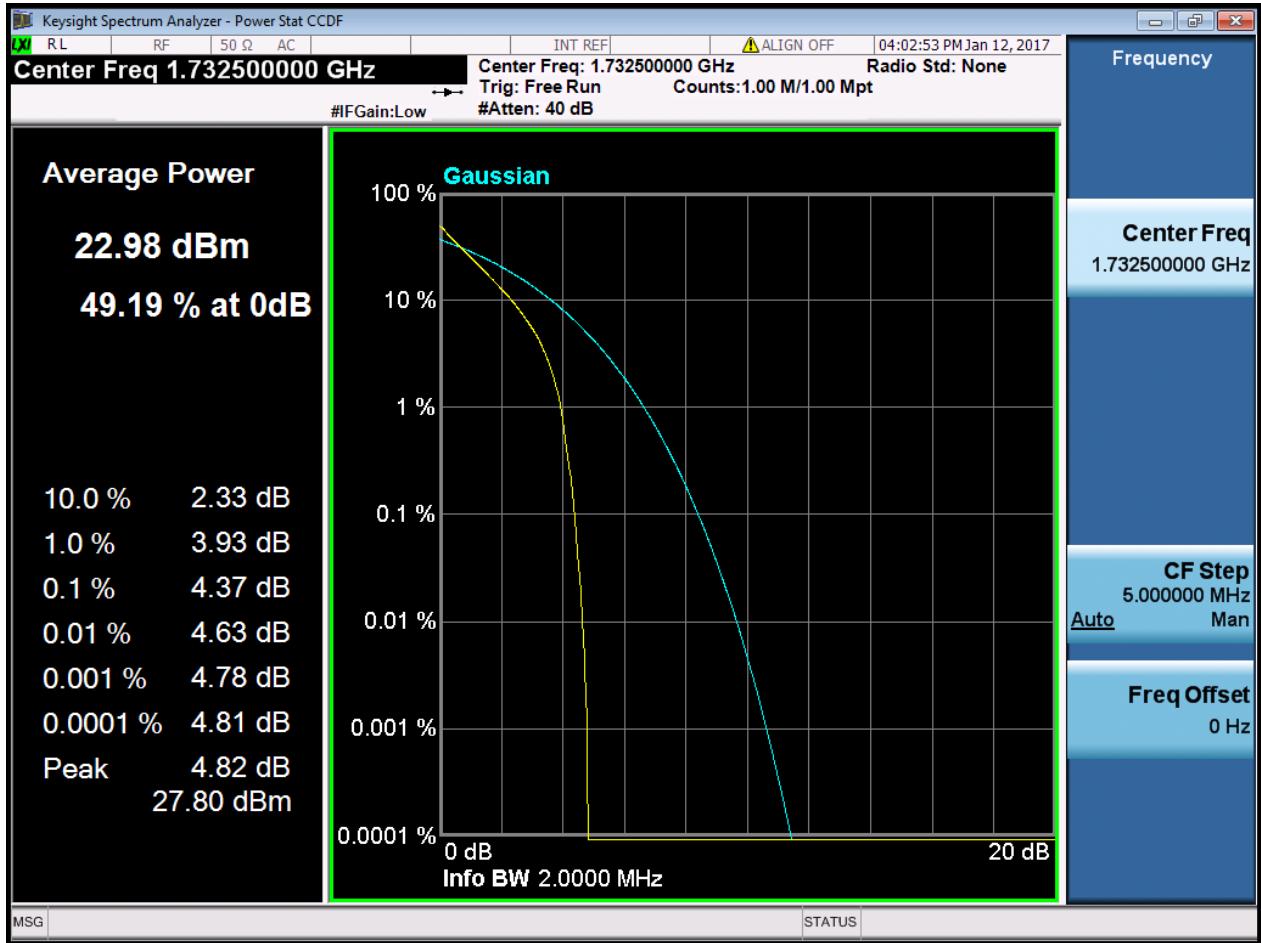
**1.4. LTE Peak to Average Ratio(NTVV)(Subtest:4, Channel:20175, Bandwidth:1.4, Modulation:QPSK, RB Number: 3, RB Position:LOW)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	4.32	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	4.37	13	Pass

**Average Power**  
**22.98 dBm**  
**49.19 % at 0dB**

10.0 %	2.33 dB
1.0 %	3.93 dB
0.1 %	4.37 dB
0.01 %	4.63 dB
0.001 %	4.78 dB
0.0001 %	4.81 dB
Peak	4.82 dB
	27.80 dBm

**Gaussian**

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

0 dB      20 dB

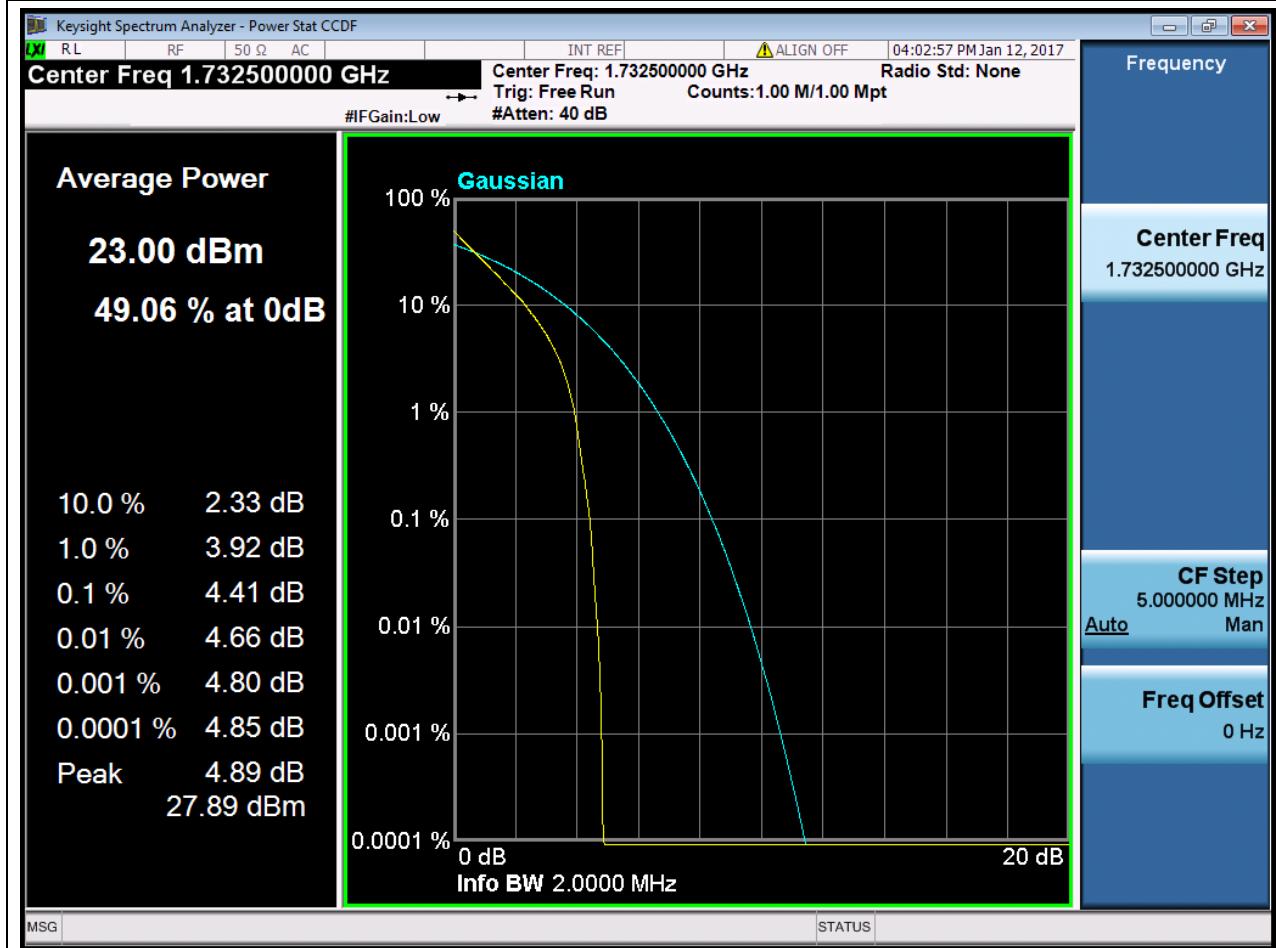
Info BW 2.0000 MHz

MSG STATUS

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

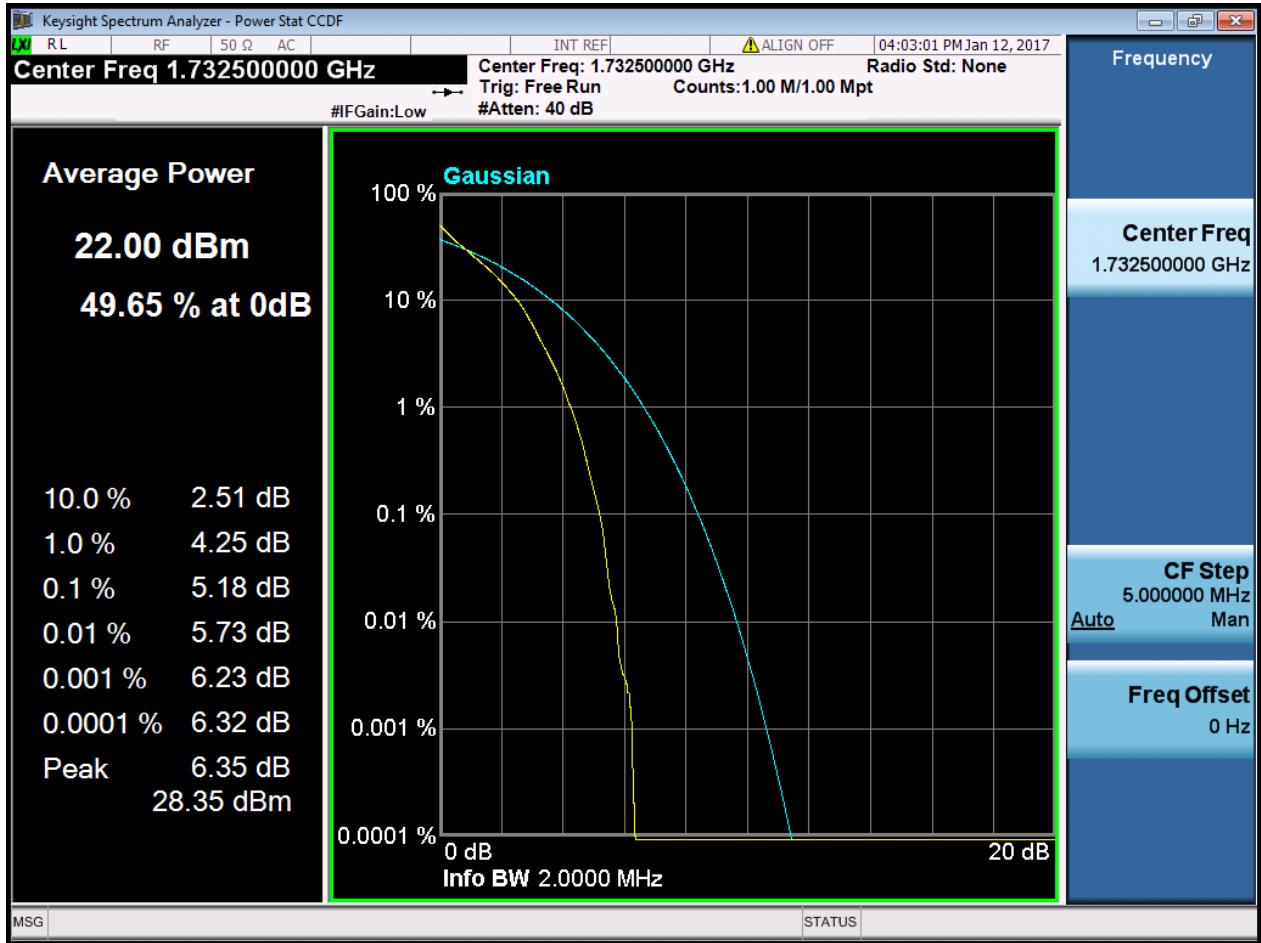
**1.6. LTE Peak to Average Ratio(NTVV)(Subtest:6, Channel:20175, Bandwidth:1.4, Modulation:QPSK, RB Number: 3, RB Position:HIGH)**

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



**1.7. LTE Peak to Average Ratio(NTVV)(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

**Average Power**  
**22.00 dBm**  
**49.65 % at 0dB**

10.0 %	2.51 dB
1.0 %	4.25 dB
0.1 %	5.18 dB
0.01 %	5.73 dB
0.001 %	6.23 dB
0.0001 %	6.32 dB
Peak	6.35 dB
	28.35 dBm

**Gaussian**

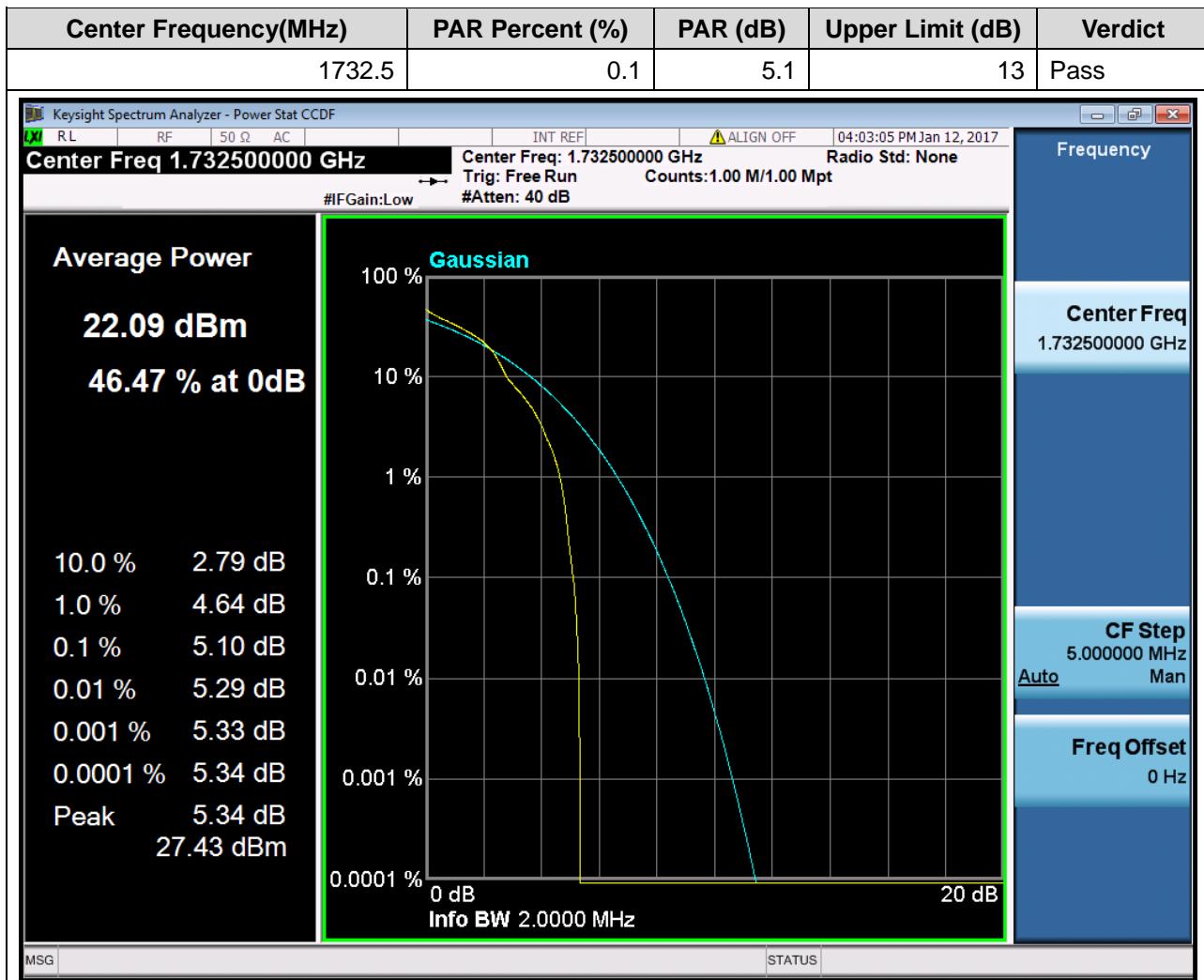
100 %  
10 %  
1 %  
0.1 %  
0.01 %  
0.001 %  
0.0001 %

0 dB      20 dB

Info BW 2.0000 MHz

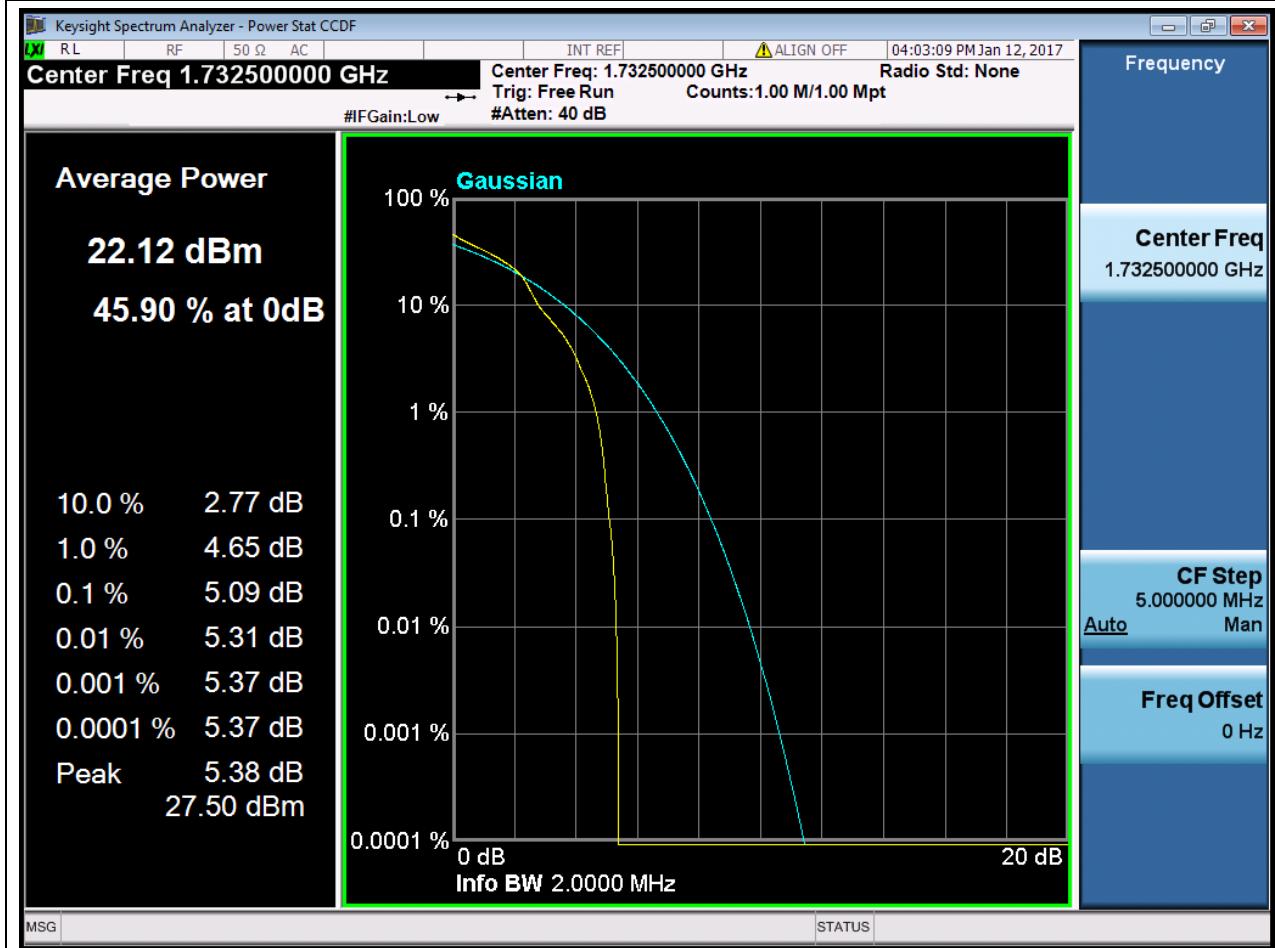
MSG STATUS

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



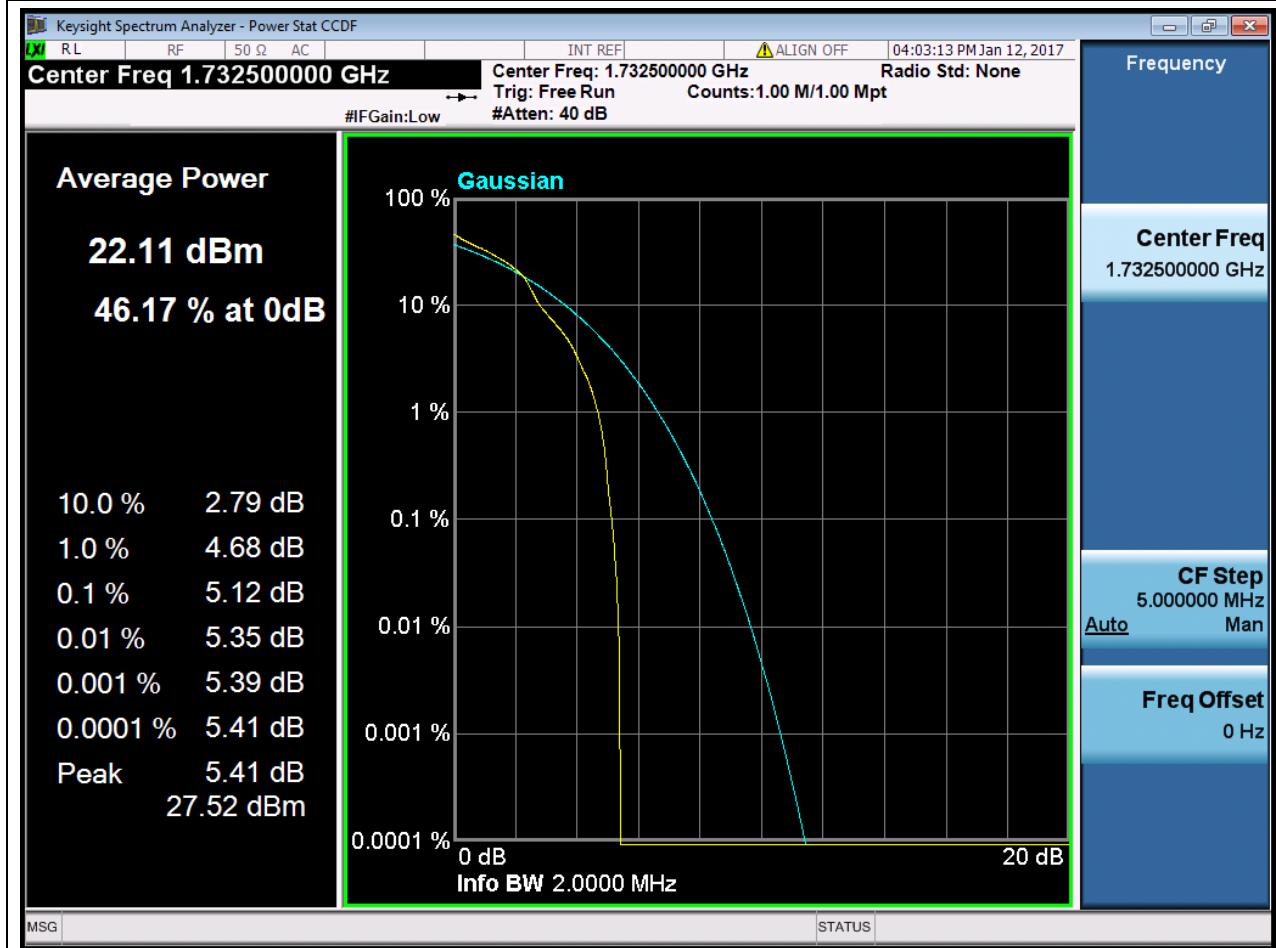
**1.9. LTE Peak to Average Ratio(NTNV)(Subtest:9, Channel:20175, Bandwidth:1.4, Modulation:16QAM, RB Number: 1, RB Position:MID)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	5.09	13	Pass



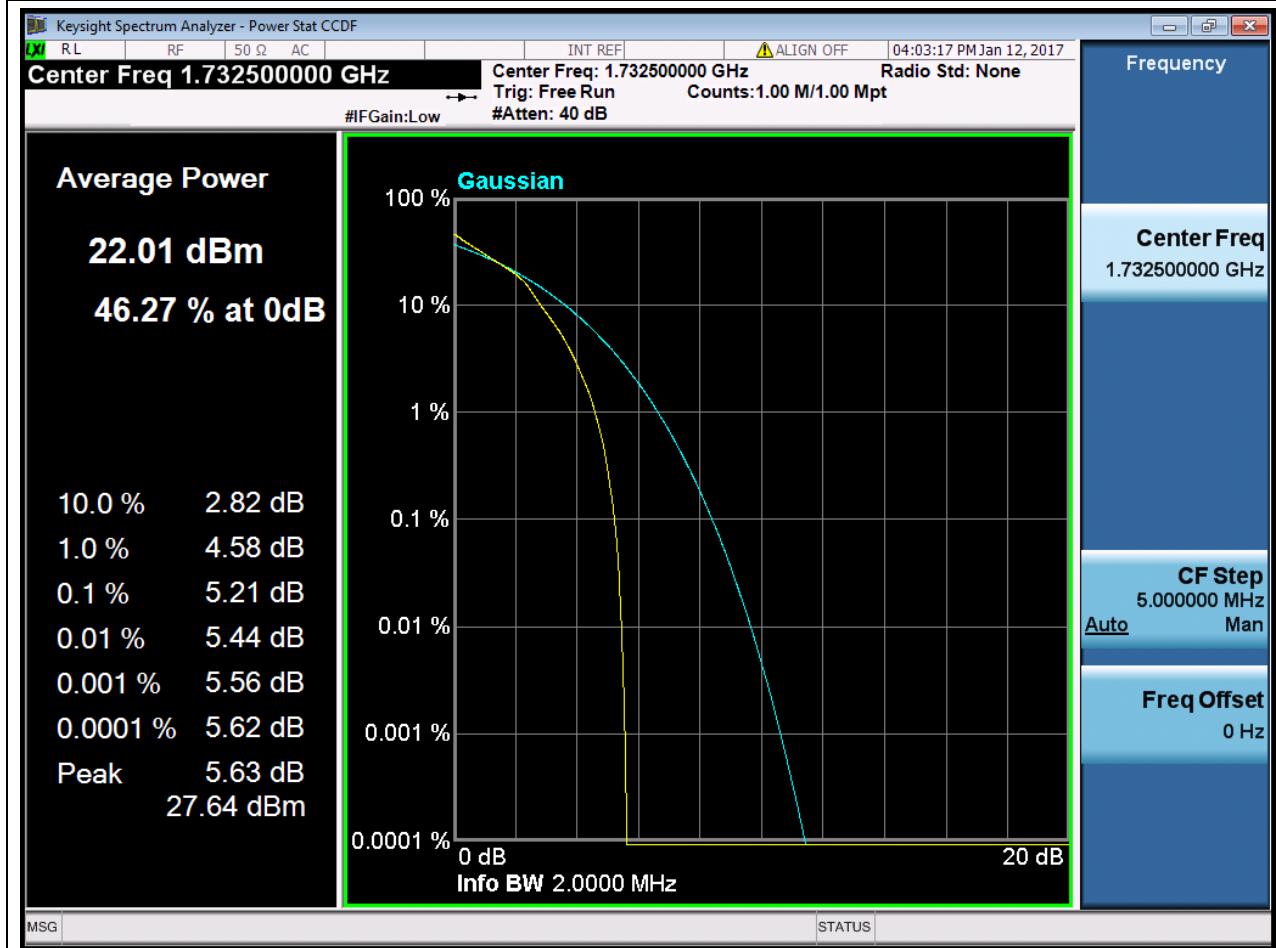
**1.10. LTE Peak to Average Ratio(NTNV)(Subtest:10, Channel:20175, Bandwidth:1.4, Modulation:16QAM, RB Number: 1, RB Position:HIGH)**

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



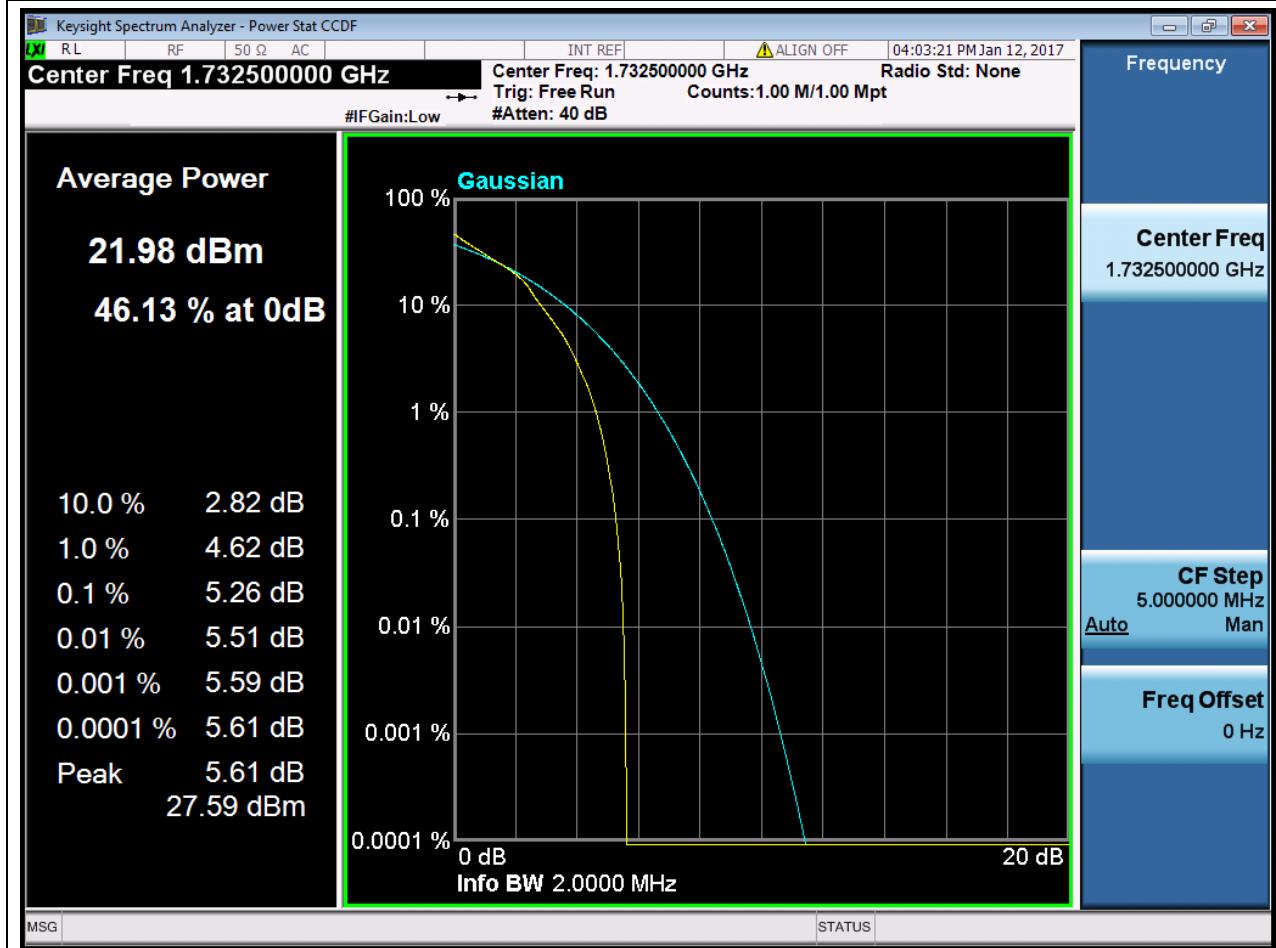
**1.11. LTE Peak to Average Ratio(NTNV)(Subtest:11, Channel:20175, Bandwidth:1.4, Modulation:16QAM, RB Number: 3, RB Position:LOW)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	5.21	13	Pass



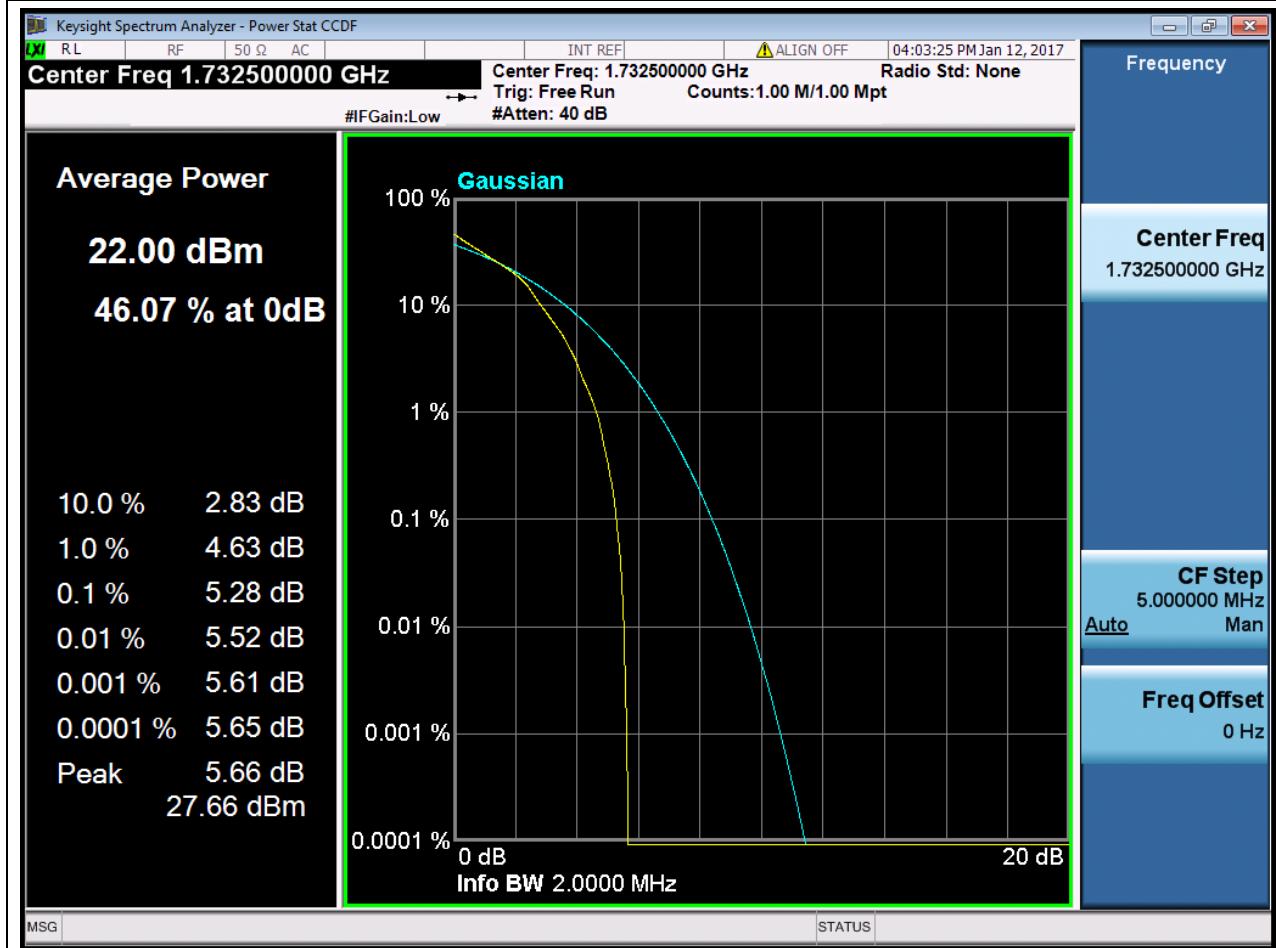
**1.12. LTE Peak to Average Ratio(NTNV)(Subtest:12, Channel:20175, Bandwidth:1.4, Modulation:16QAM, RB Number: 3, RB Position:MID)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	5.26	13	Pass



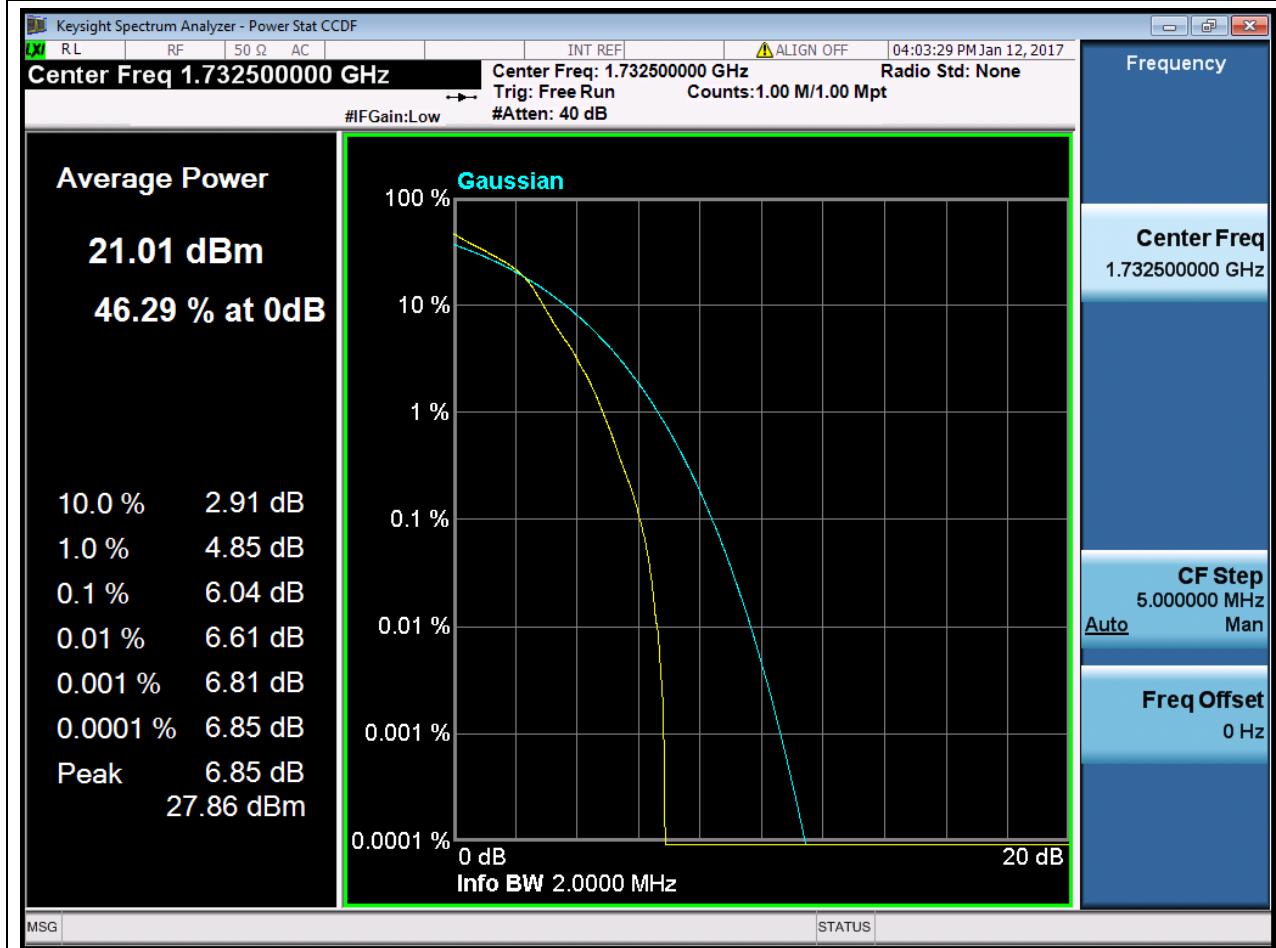
**1.13. LTE Peak to Average Ratio(NTNV)(Subtest:13, Channel:20175, Bandwidth:1.4, Modulation:16QAM, RB Number: 3, RB Position:HIGH)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	5.28	13	Pass



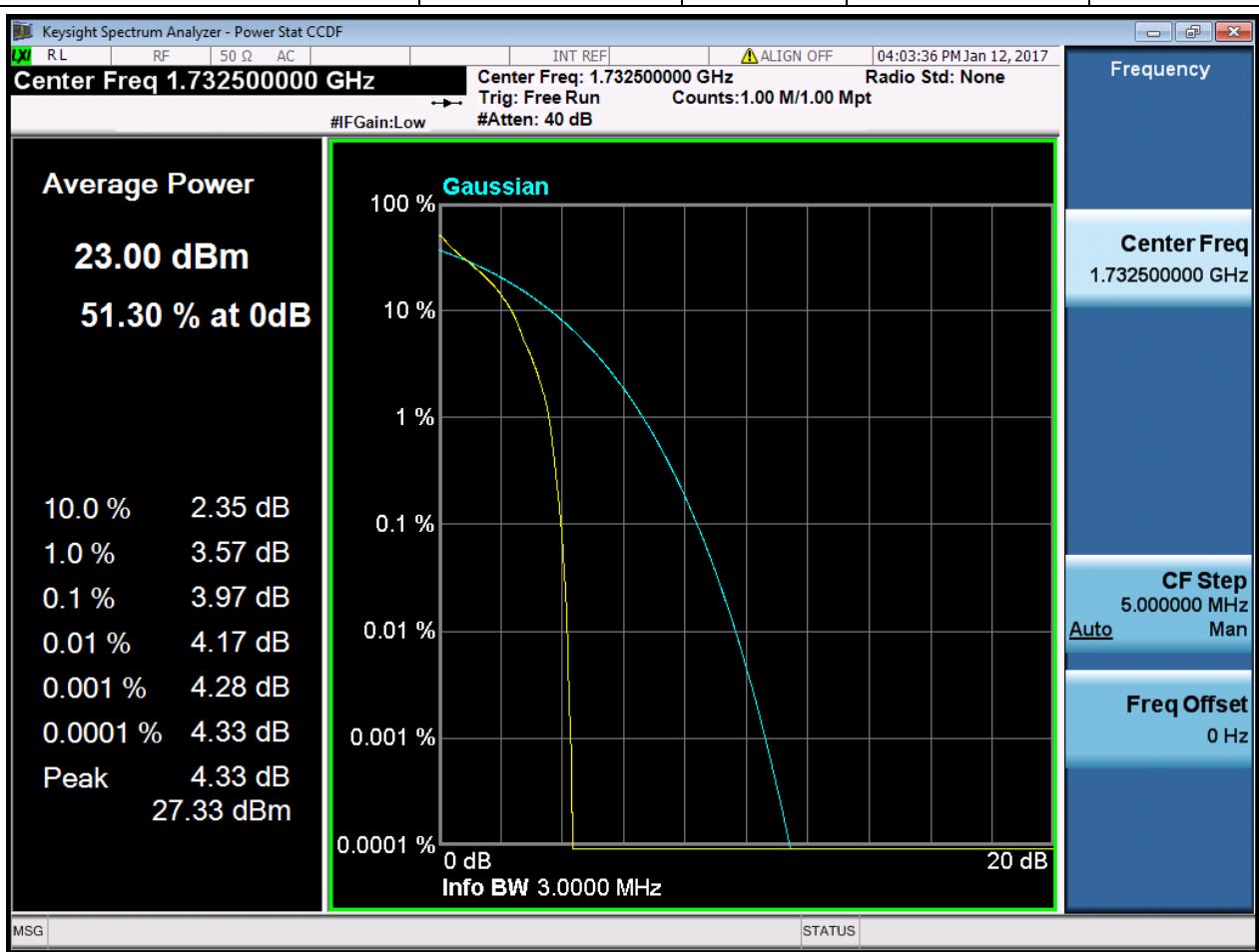
**1.14. LTE Peak to Average Ratio(NTNV)(Subtest:14, Channel:20175, Bandwidth:1.4, Modulation:16QAM, RB Number: 6, RB Position:LOW)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	6.04	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	3.97	13	Pass

**Average Power**  
**23.00 dBm**  
**51.30 % at 0dB**

10.0 %	2.35 dB
1.0 %	3.57 dB
0.1 %	3.97 dB
0.01 %	4.17 dB
0.001 %	4.28 dB
0.0001 %	4.33 dB
Peak	4.33 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

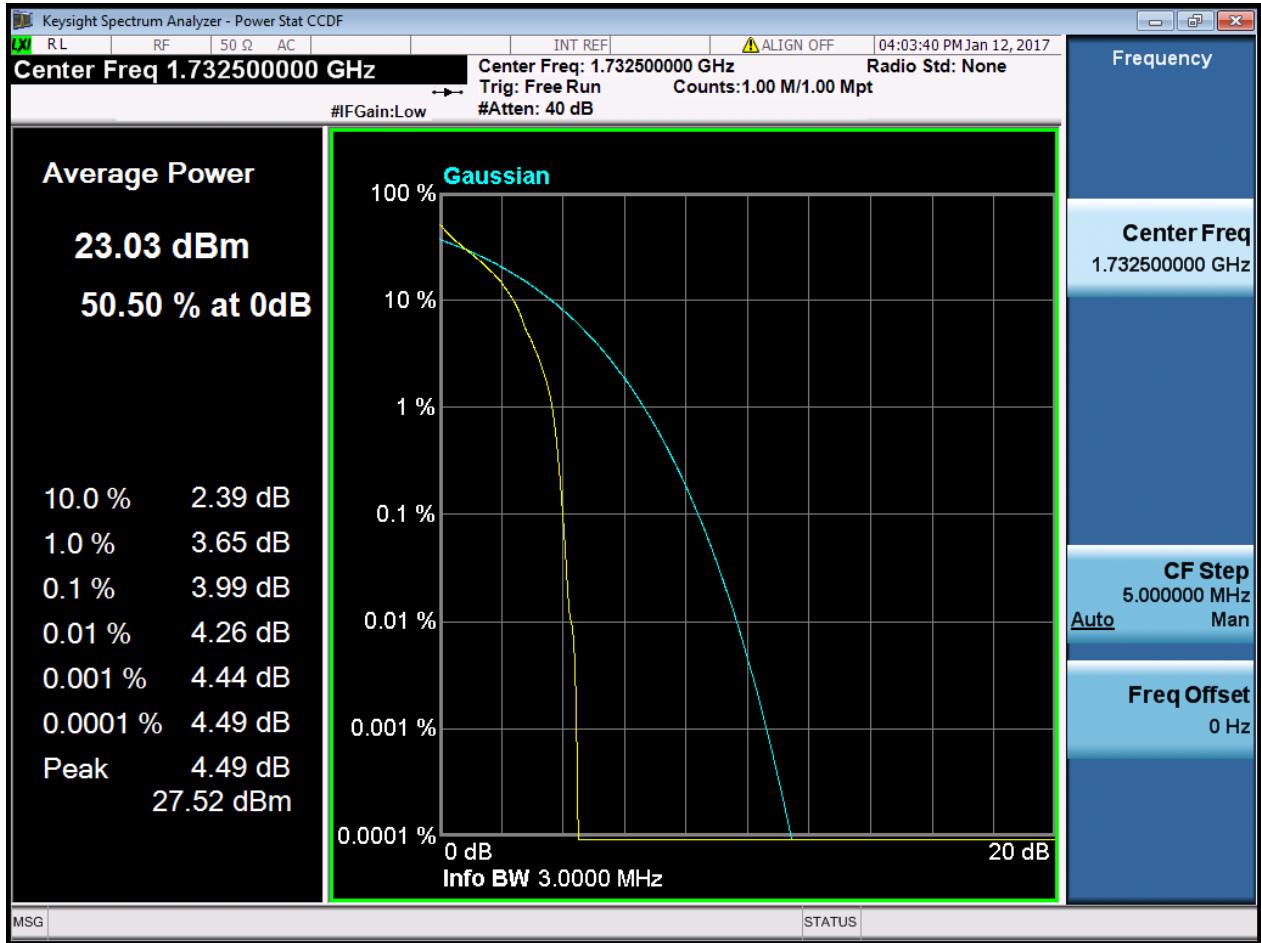
Frequency: 1.732500000 GHz

CF Step: 5.000000 MHz      Man: Auto

Freq Offset: 0 Hz

**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	3.99	13	Pass

**Average Power**  
**23.03 dBm**  
**50.50 % at 0dB**

10.0 %	2.39 dB
1.0 %	3.65 dB
0.1 %	3.99 dB
0.01 %	4.26 dB
0.001 %	4.44 dB
0.0001 %	4.49 dB
Peak	4.49 dB
	27.52 dBm

**Gaussian**

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

0 dB      20 dB

Info BW 3.0000 MHz

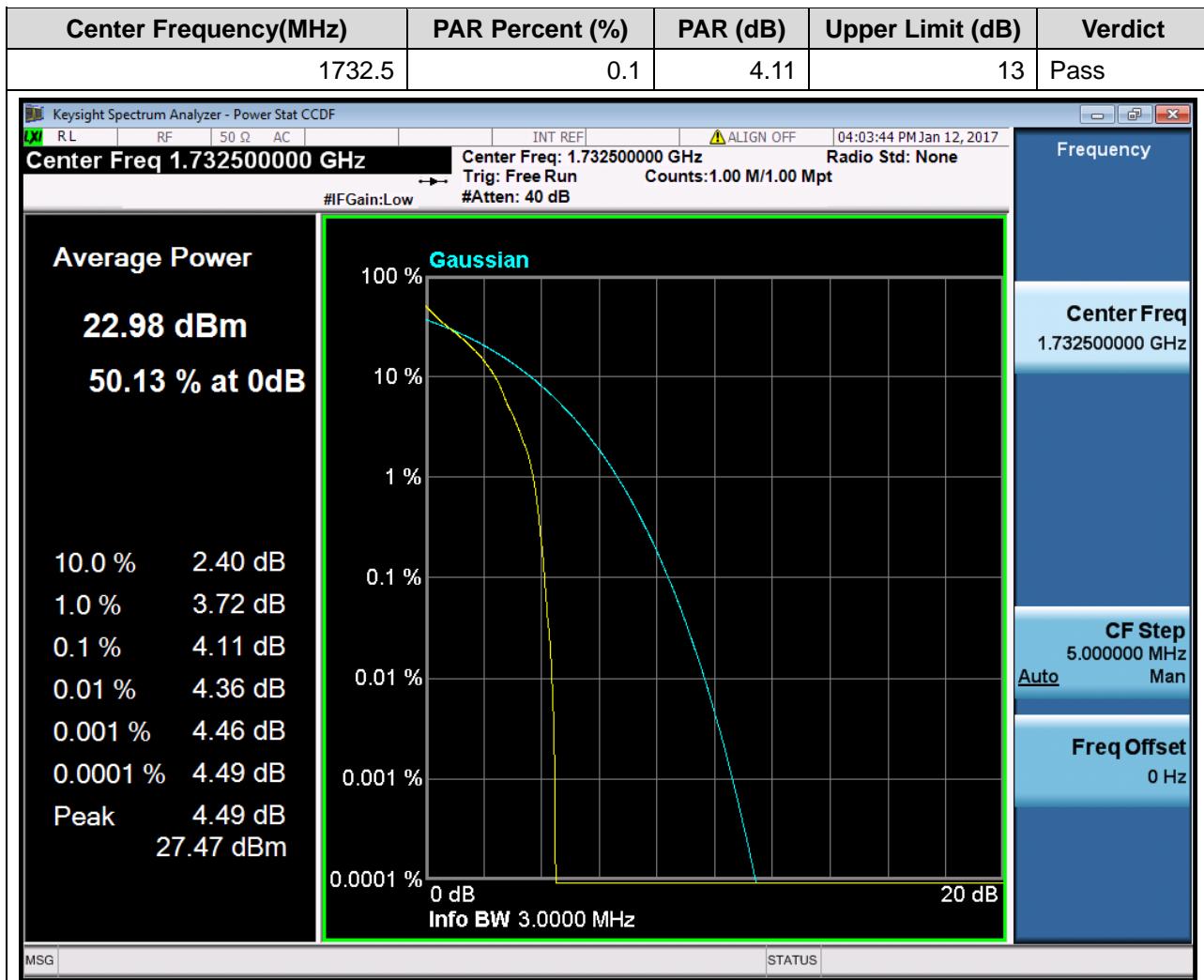
Center Freq 1.732500000 GHz  
 Radio Std: None  
 Trig: Free Run Counts: 1.00 M/1.00 Mpt  
 #IFGain:Low #Atten: 40 dB

Frequency

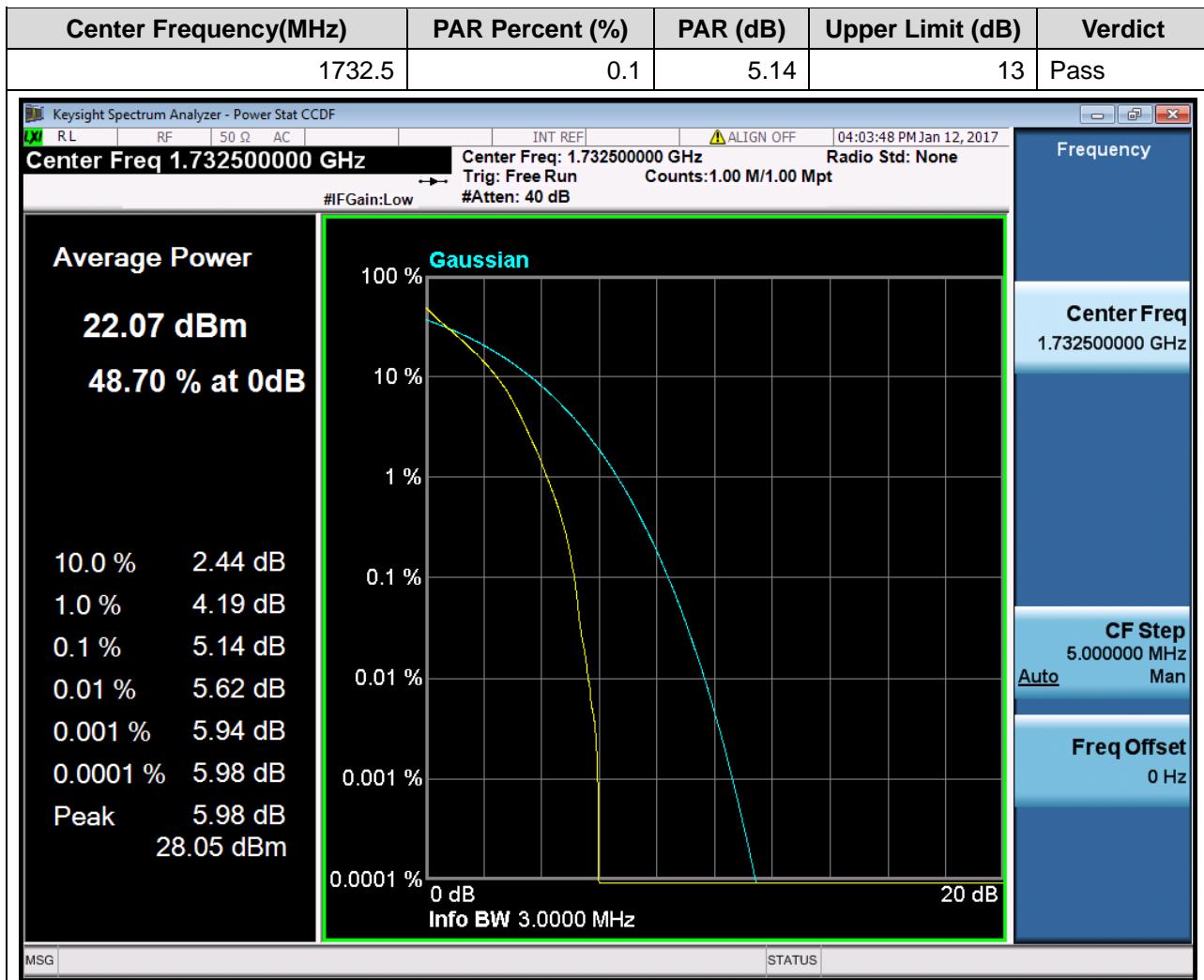
CF Step 5.000000 MHz Man  
 Auto

Freq Offset 0 Hz

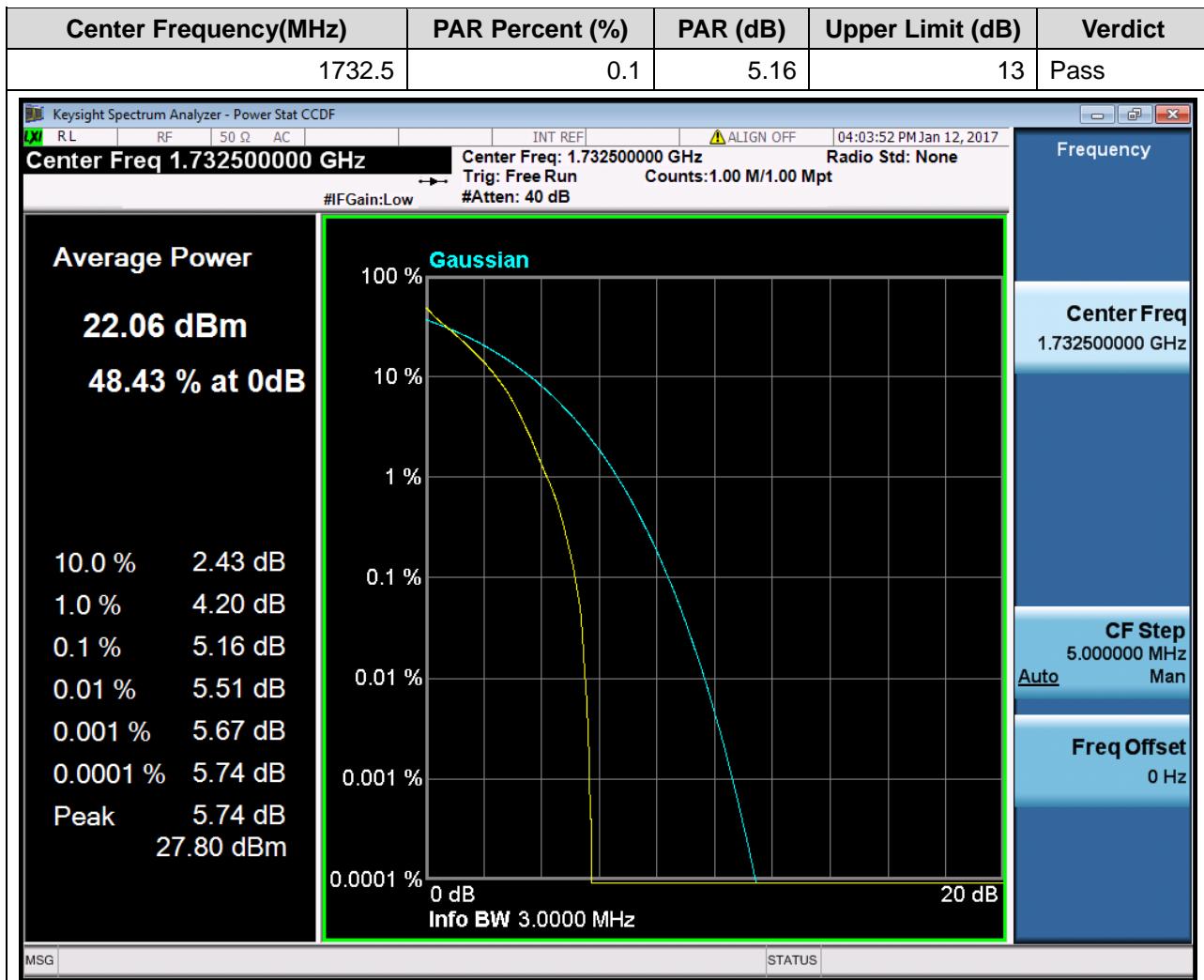
**1.17. LTE Peak to Average Ratio(NTNV)(Subtest:17, Channel:20175, Bandwidth:3, Modulation:QPSK, RB Number: 1, RB Position:HIGH)**



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



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



**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	5.27	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

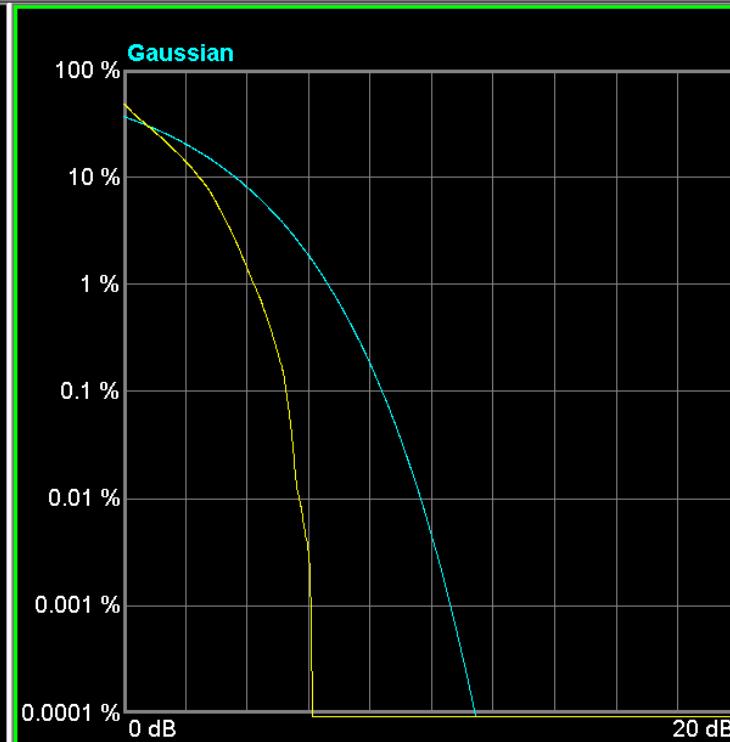
RL RF 50 Ω AC INT REF ALIGN OFF 04:03:56 PM Jan 12, 2017

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 22.05 dBm  
48.27 % at 0dB

10.0 % 2.45 dB  
1.0 % 4.23 dB  
0.1 % 5.27 dB  
0.01 % 5.71 dB  
0.001 % 6.07 dB  
0.0001 % 6.11 dB  
Peak 6.11 dB  
28.16 dBm

Gaussian



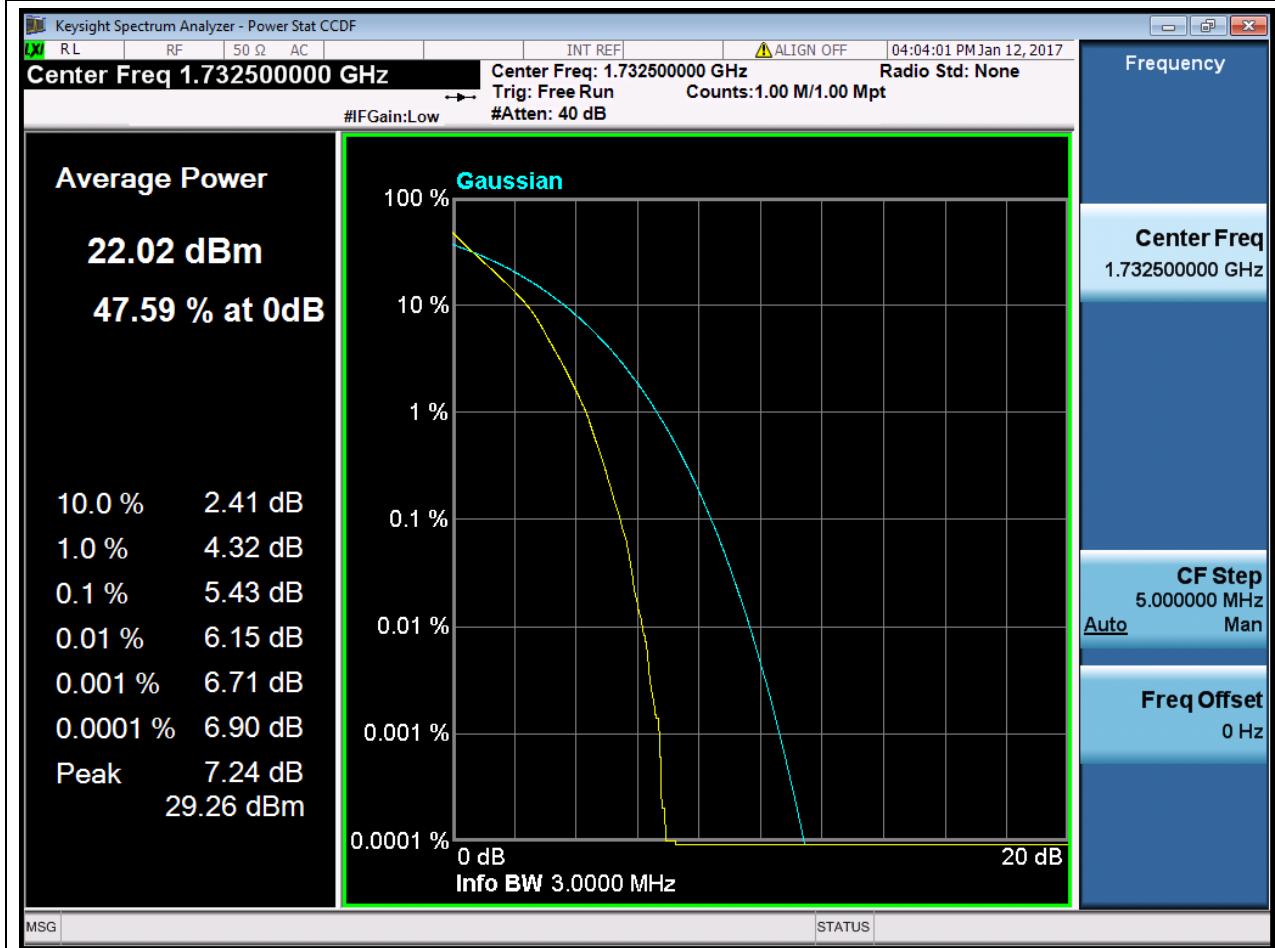
Info BW 3.0000 MHz

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

MSG STATUS

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

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	5.43	13	Pass



**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	4.96	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 04:04:05 PM Jan 12, 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 22.17 dBm  
46.78 % at 0dB

10.0 % 2.81 dB  
1.0 % 4.51 dB  
0.1 % 4.96 dB  
0.01 % 5.16 dB  
0.001 % 5.30 dB  
0.0001 % 5.38 dB  
Peak 5.40 dB  
27.57 dBm

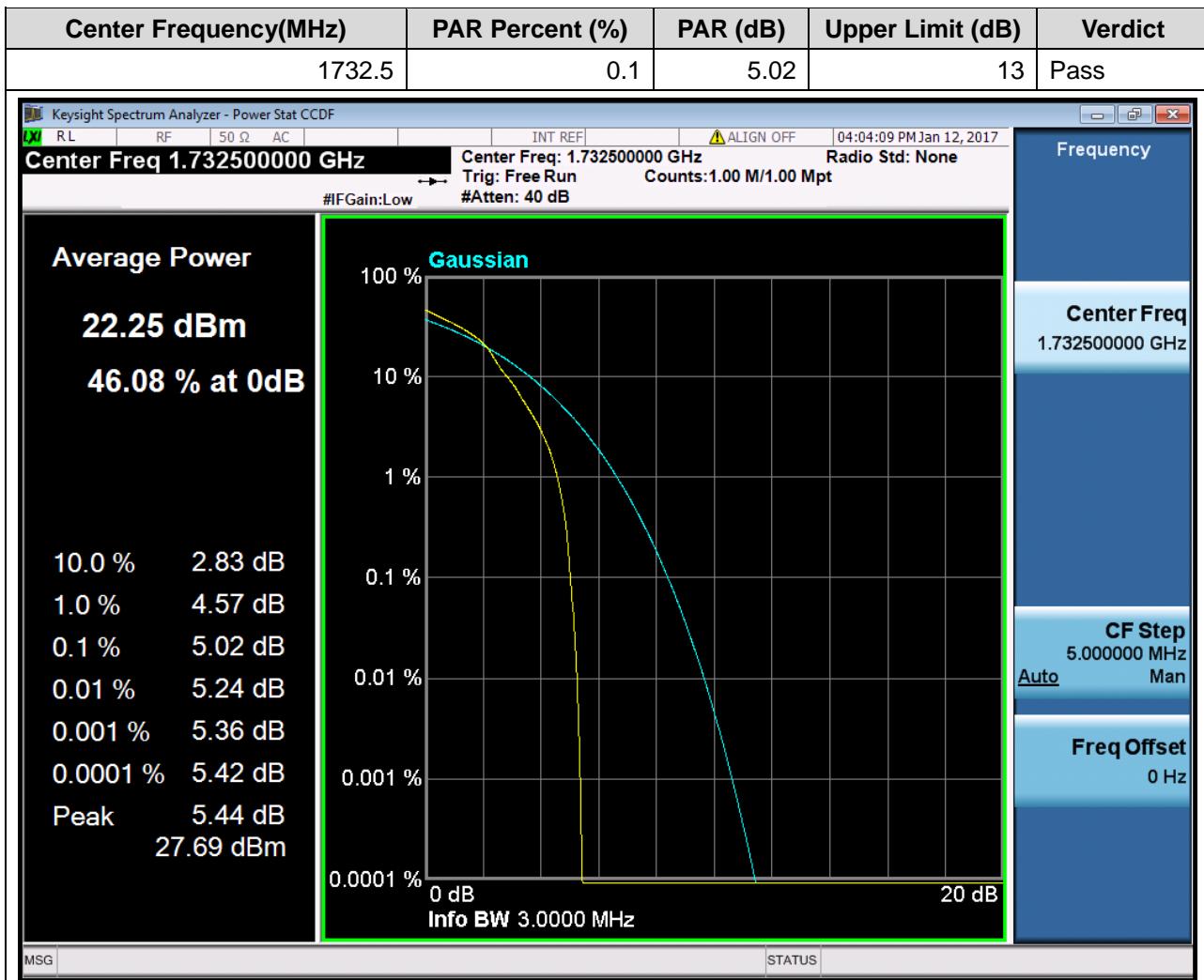
Gaussian



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

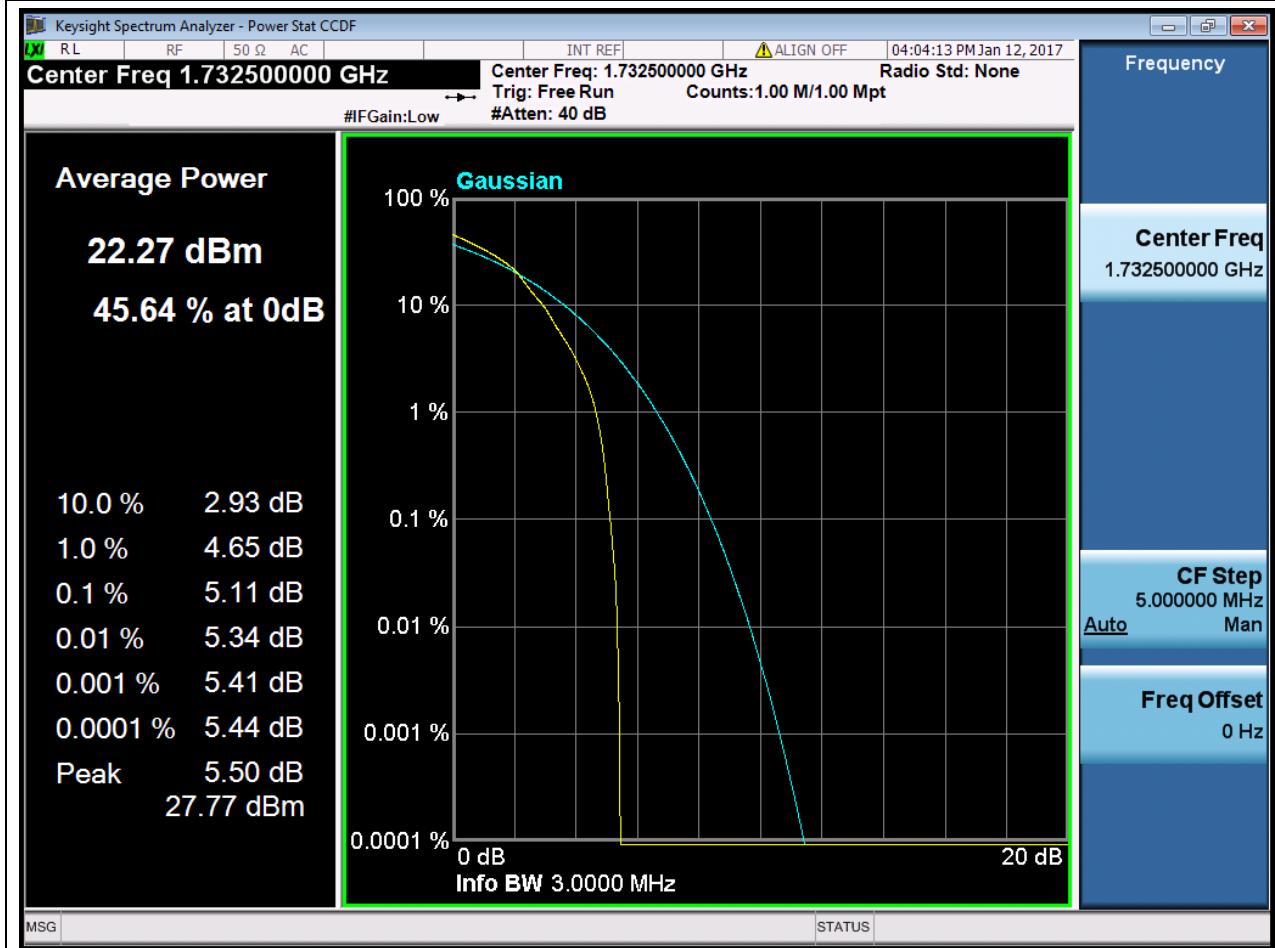
MSG STATUS

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



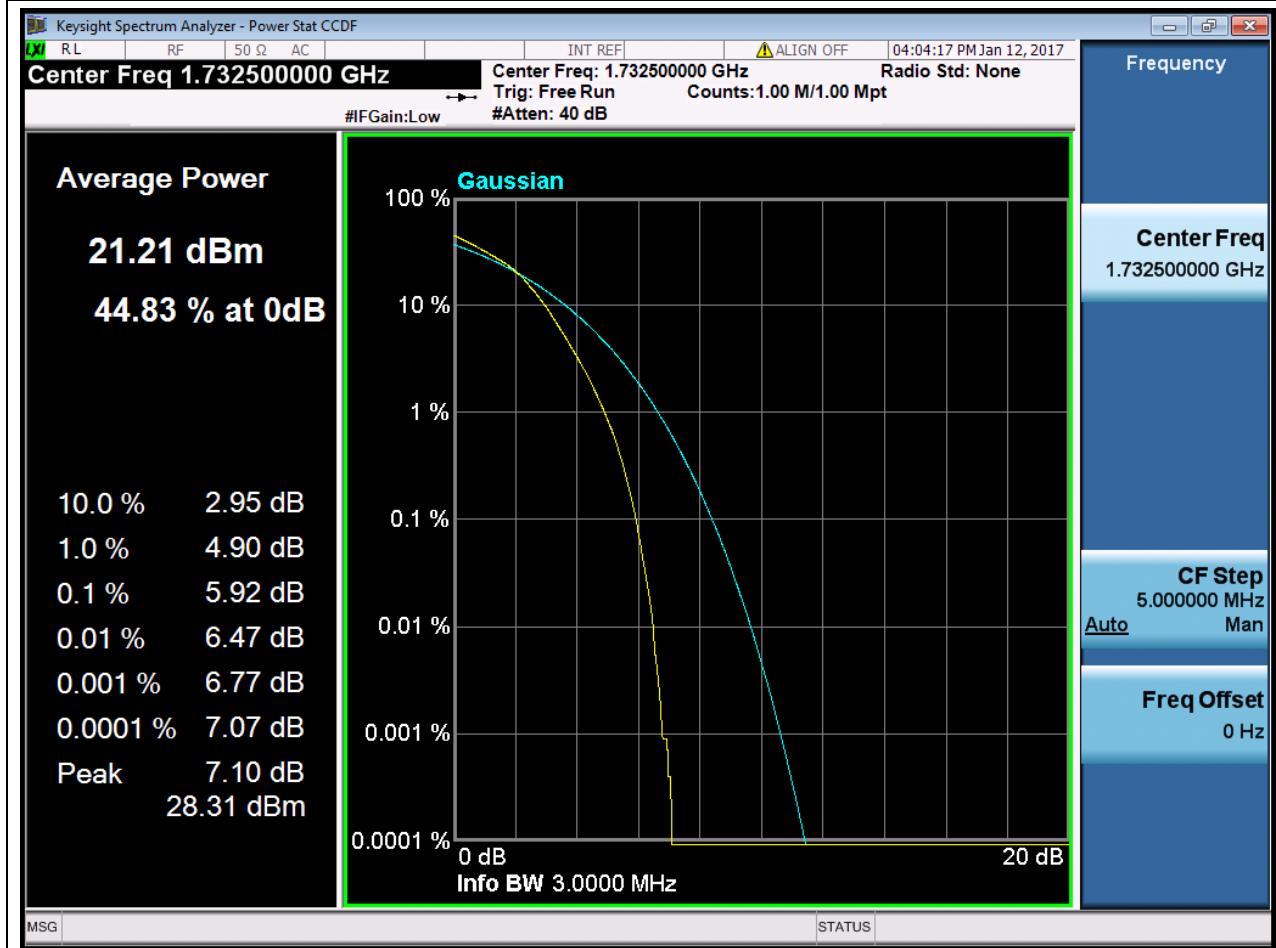
**1.24. LTE Peak to Average Ratio(NTNV)(Subtest:24, Channel:20175, Bandwidth:3, Modulation:16QAM, RB Number: 1, RB Position:HIGH)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	5.11	13	Pass

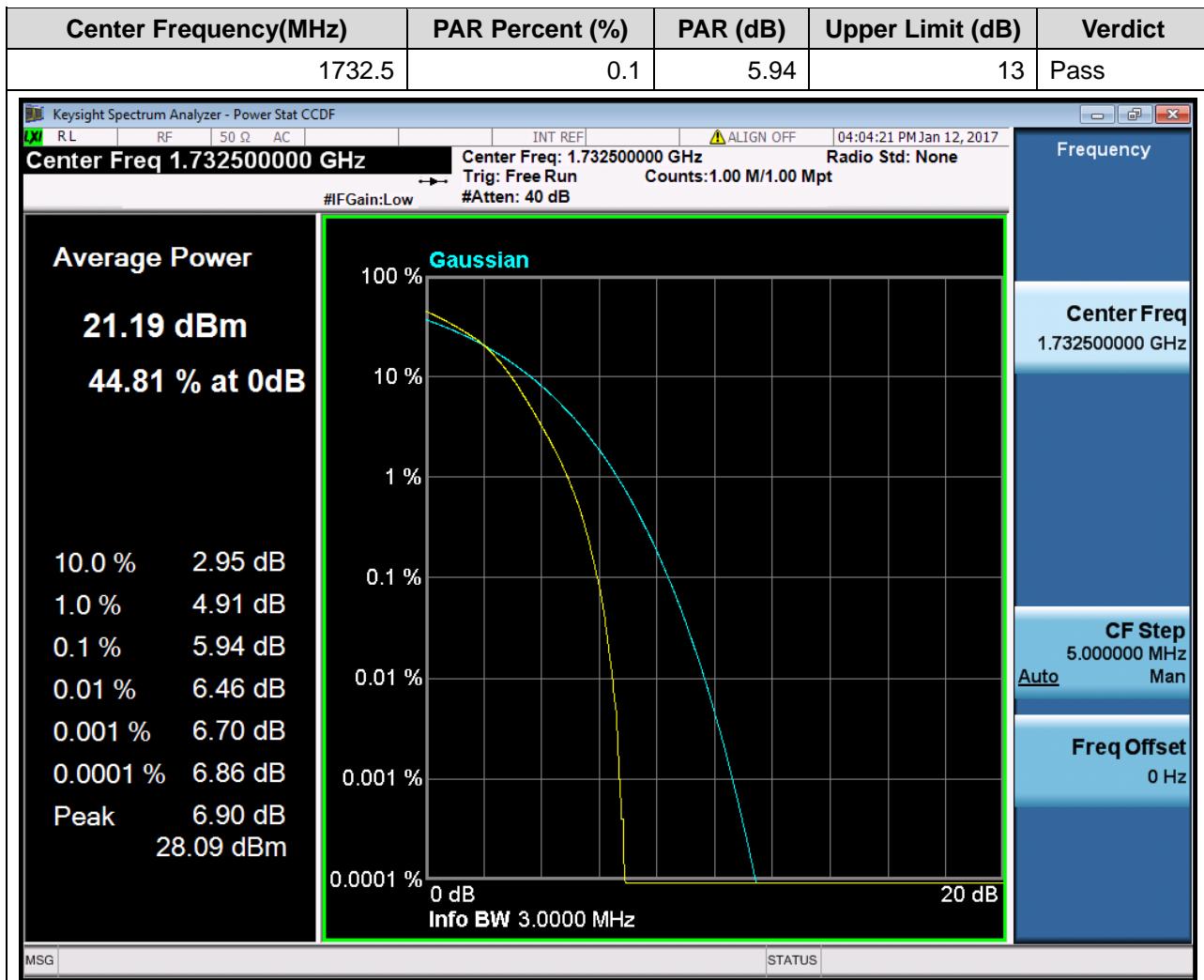


**1.25. LTE Peak to Average Ratio(NTNV)(Subtest:25, Channel:20175, Bandwidth:3, Modulation:16QAM, RB Number: 8, RB Position:LOW)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	5.92	13	Pass

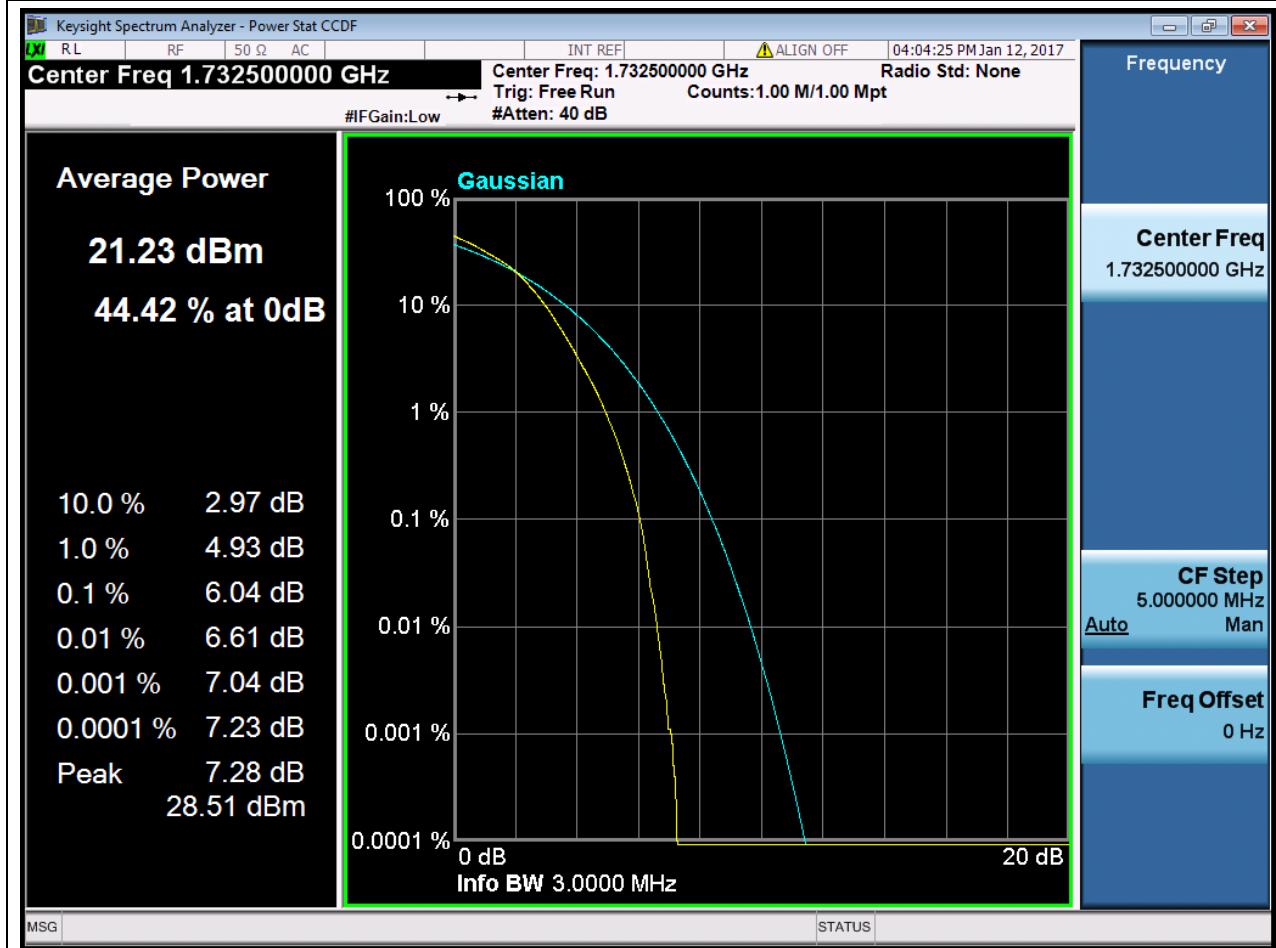


**1.26. LTE Peak to Average Ratio(NTNV)(Subtest:26, Channel:20175, Bandwidth:3, Modulation:16QAM, RB Number: 8, RB Position:MID)**



**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	6.04	13	Pass



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

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	6.41	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

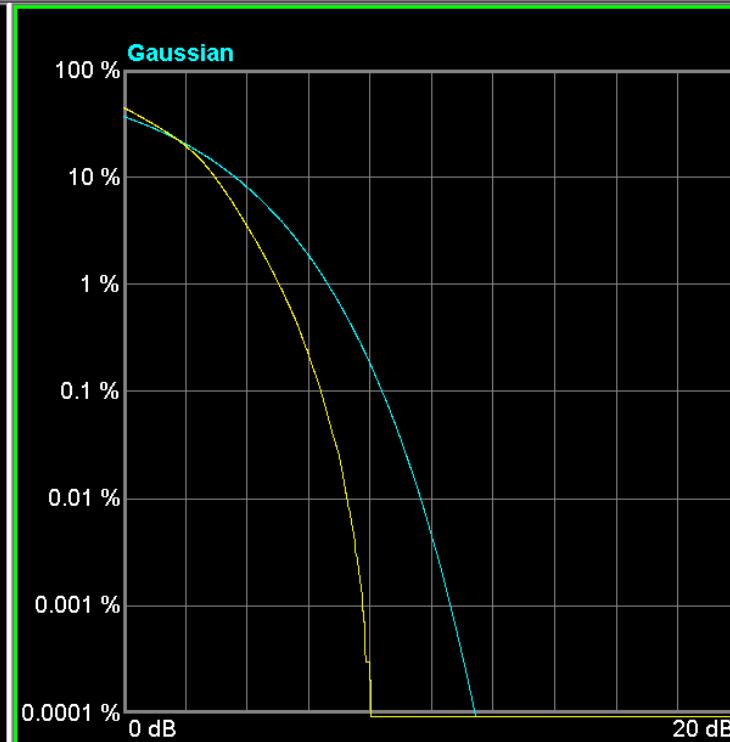
RL RF 50 Ω AC INT REF ALIGN OFF 04:04:29 PM Jan 12, 2017

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 20.97 dBm  
44.37 % at 0dB

10.0 % 2.96 dB  
1.0 % 5.04 dB  
0.1 % 6.41 dB  
0.01 % 7.25 dB  
0.001 % 7.76 dB  
0.0001 % 8.01 dB  
Peak 8.15 dB  
29.12 dBm

Gaussian

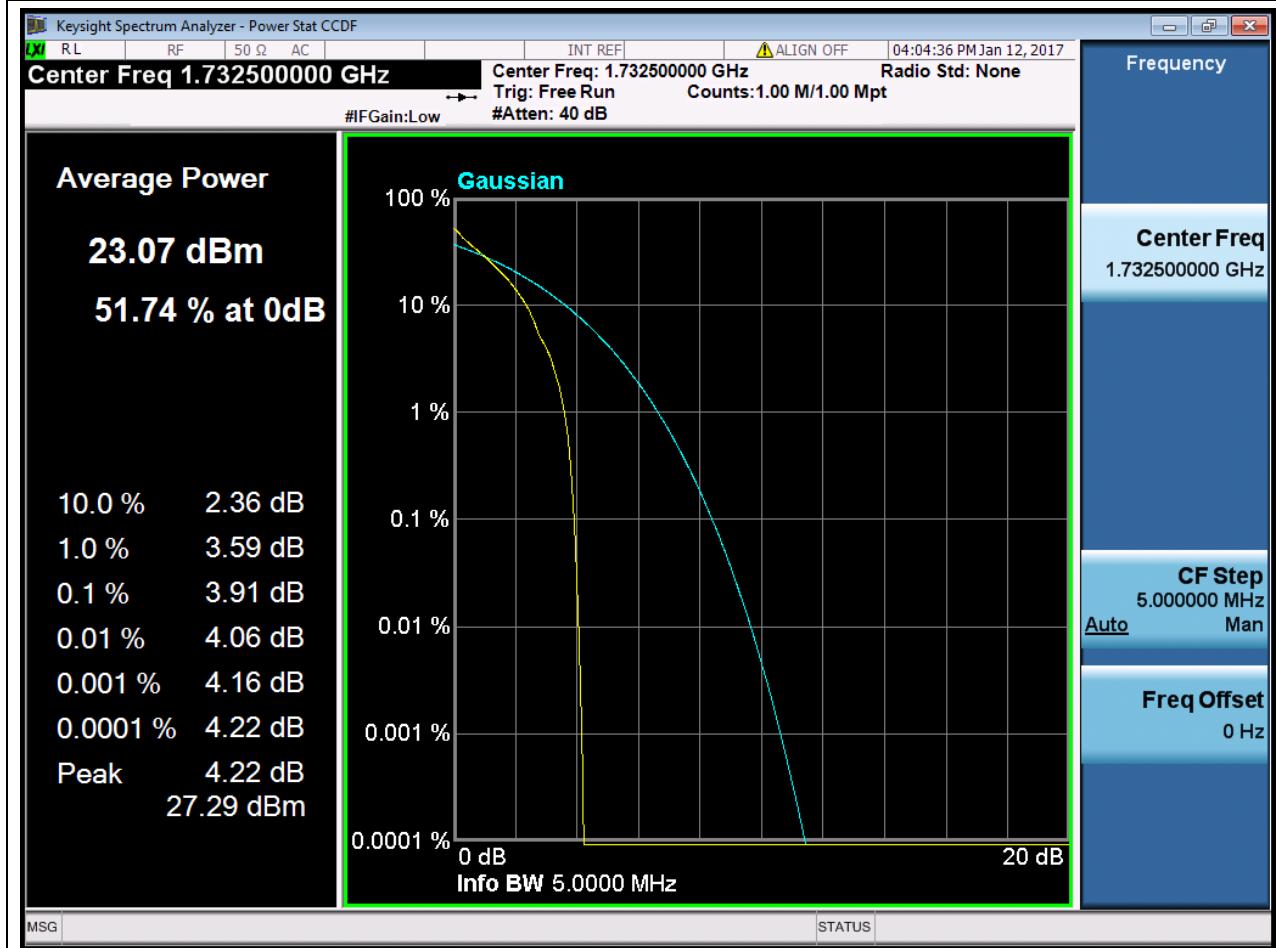


Frequency  
Center Freq 1.732500000 GHz  
CF Step 5.000000 MHz  
Auto Man  
Freq Offset 0 Hz

MSG STATUS

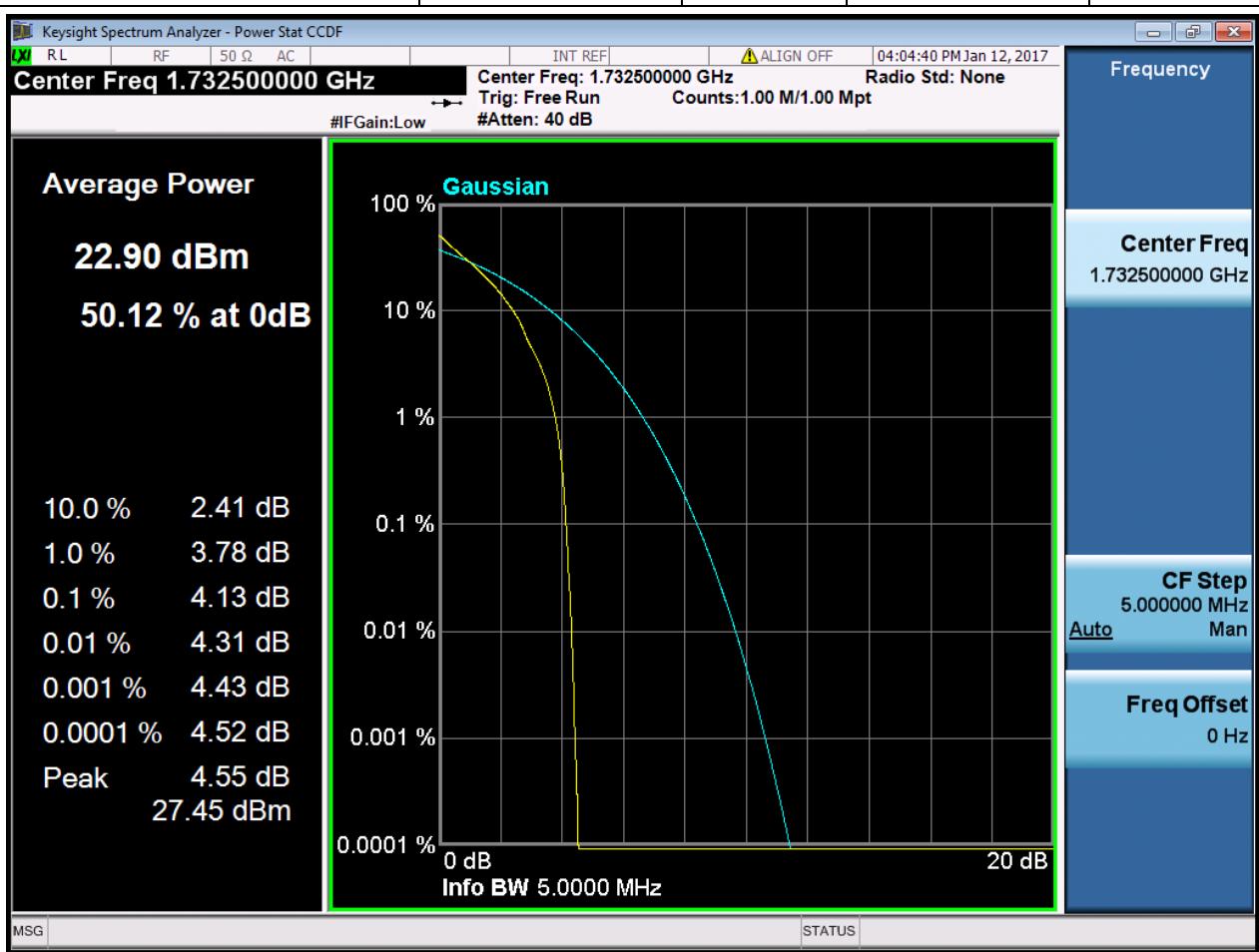
**1.29. LTE Peak to Average Ratio(NTNV)(Subtest:29, Channel:20175, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:LOW)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	3.91	13	Pass



**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	4.13	13	Pass

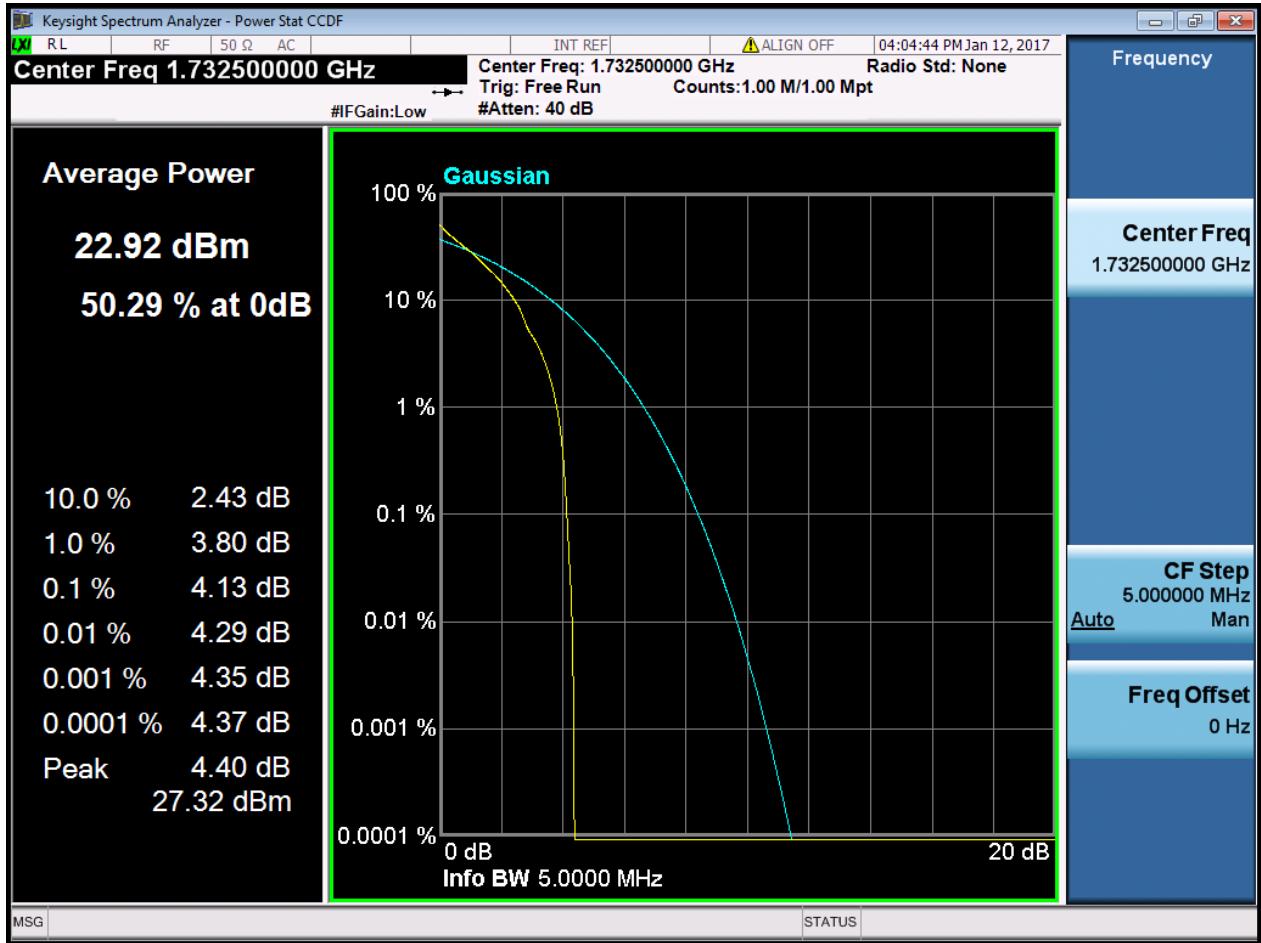
  


**Average Power**  
**22.90 dBm**  
**50.12 % at 0dB**

10.0 %	2.41 dB
1.0 %	3.78 dB
0.1 %	4.13 dB
0.01 %	4.31 dB
0.001 %	4.43 dB
0.0001 %	4.52 dB
Peak	4.55 dB
	27.45 dBm

**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	4.13	13	Pass

**Average Power**  
**22.92 dBm**  
**50.29 % at 0dB**

10.0 %	2.43 dB
1.0 %	3.80 dB
0.1 %	4.13 dB
0.01 %	4.29 dB
0.001 %	4.35 dB
0.0001 %	4.37 dB
Peak	4.40 dB
	27.32 dBm

**Gaussian**

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

0 dB      20 dB

Info BW 5.0000 MHz

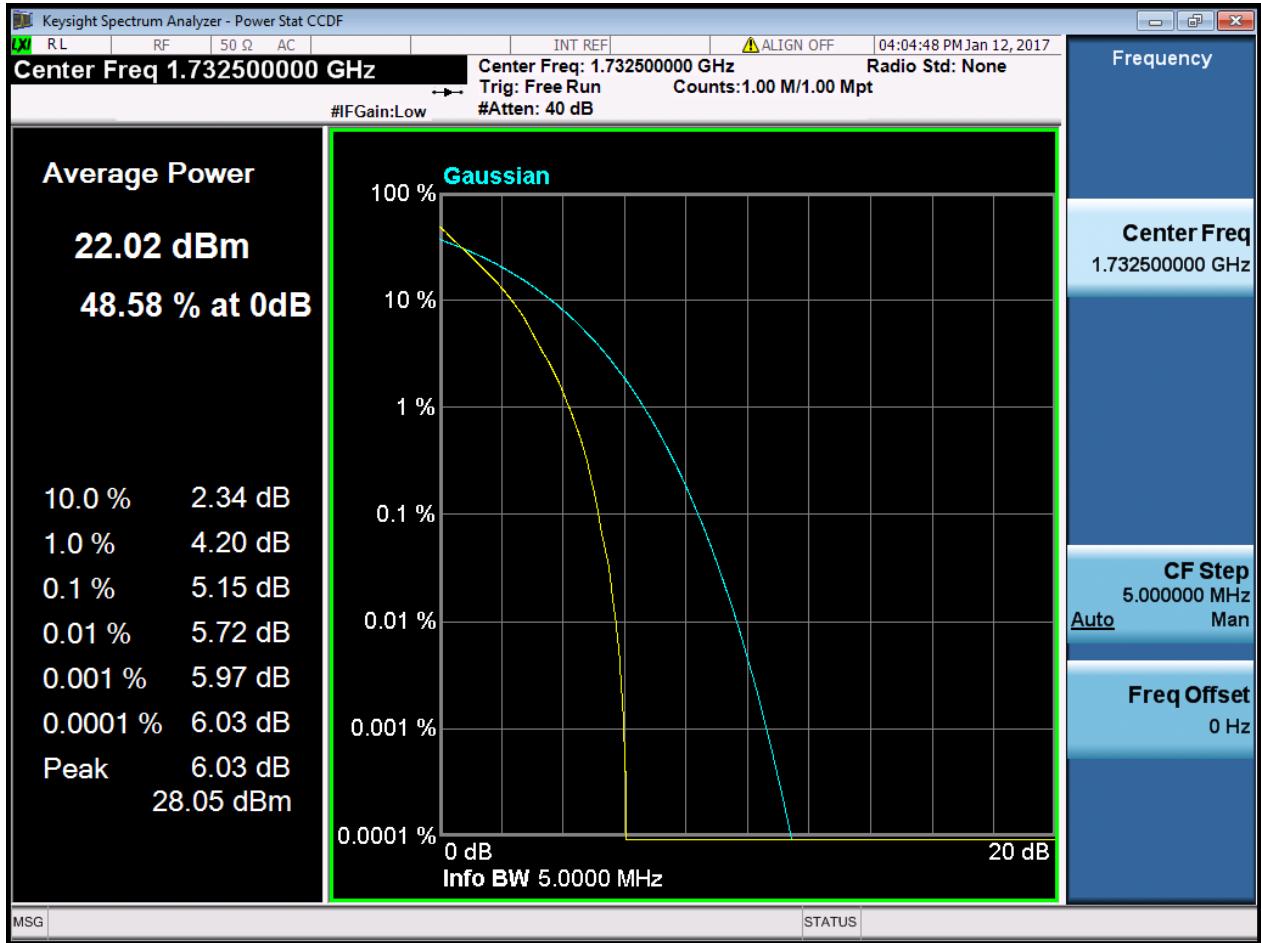
Center Freq 1.732500000 GHz

CF Step 5.000000 MHz

Freq Offset 0 Hz

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

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	5.15	13	Pass

**Average Power**  
**22.02 dBm**  
**48.58 % at 0dB**

10.0 %	2.34 dB
1.0 %	4.20 dB
0.1 %	5.15 dB
0.01 %	5.72 dB
0.001 %	5.97 dB
0.0001 %	6.03 dB
Peak	6.03 dB
	28.05 dBm

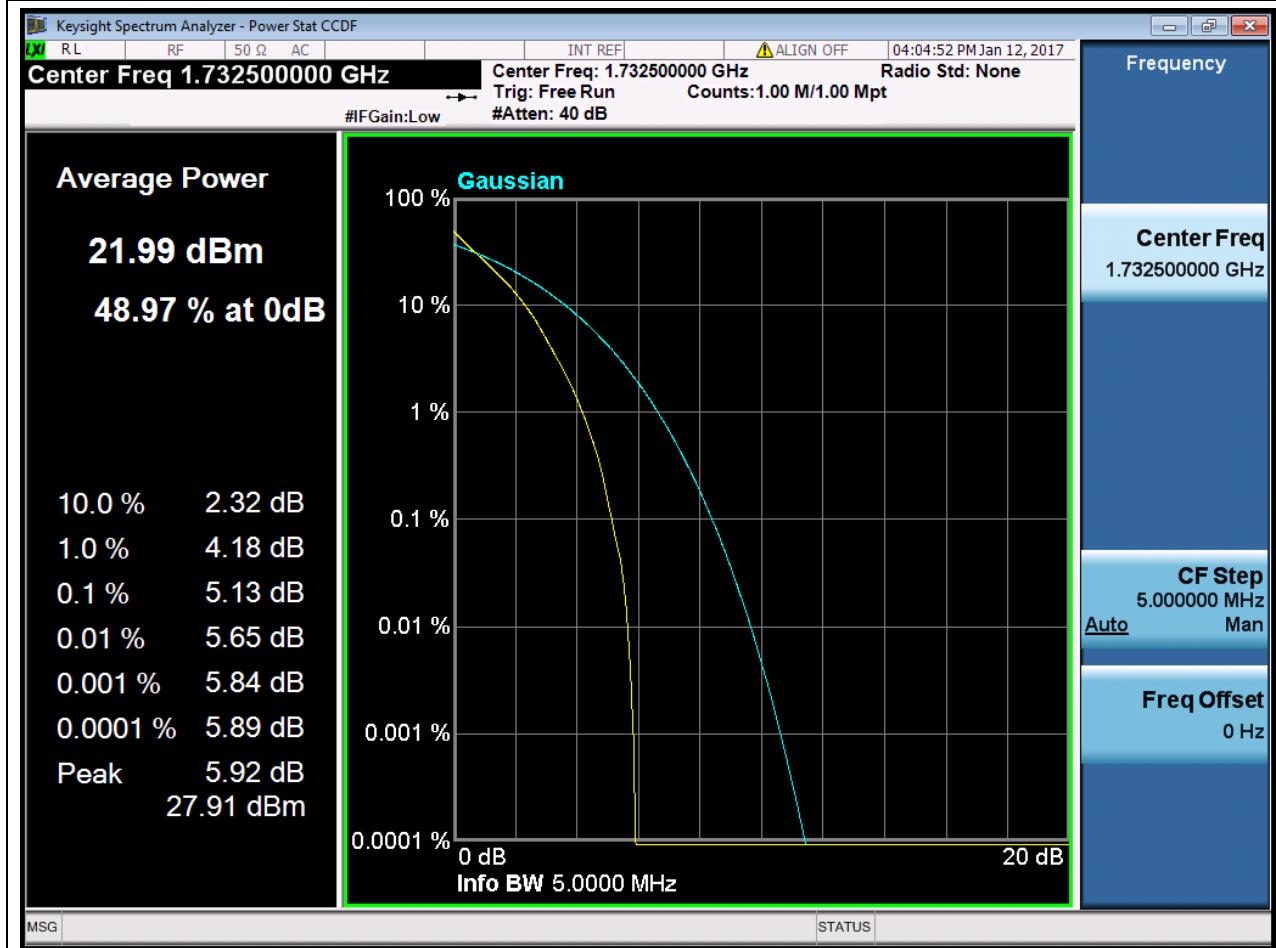
Center Freq 1.732500000 GHz      Center Freq: 1.732500000 GHz      Radio Std: None  
 Trig: Free Run      Counts: 1.00 M/1.00 Mpt  
 #IFGain:Low      #Atten: 40 dB

Frequency  
 CF Step 5.000000 MHz Man  
 Freq Offset 0 Hz

MSG STATUS

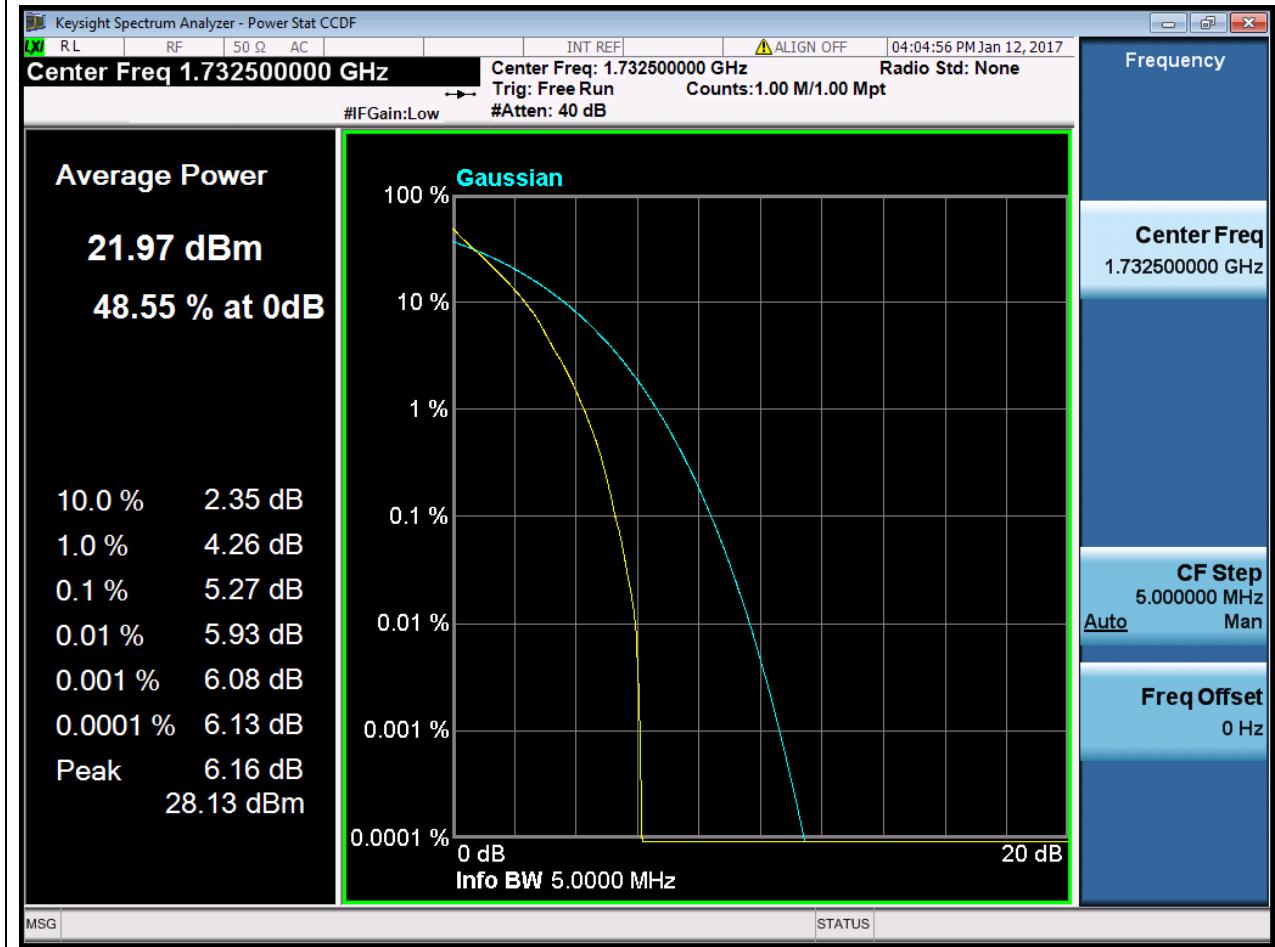
**1.33. LTE Peak to Average Ratio(NTNV)(Subtest:33, Channel:20175, Bandwidth:5, Modulation:QPSK, RB Number: 12, RB Position:MID)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	5.13	13	Pass

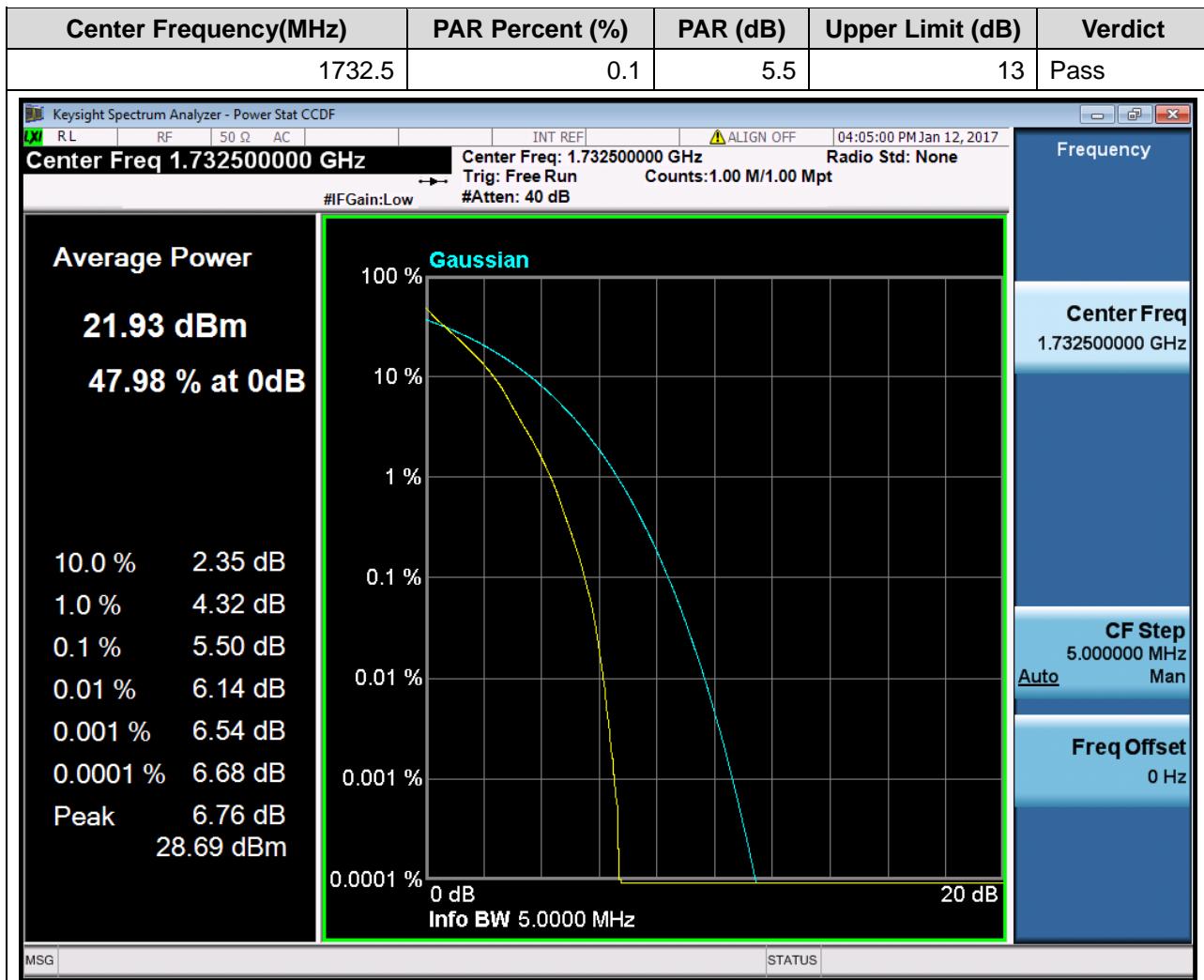


**1.34. LTE Peak to Average Ratio(NTNV)(Subtest:34, Channel:20175, Bandwidth:5, Modulation:QPSK, RB Number: 12, RB Position:HIGH)**

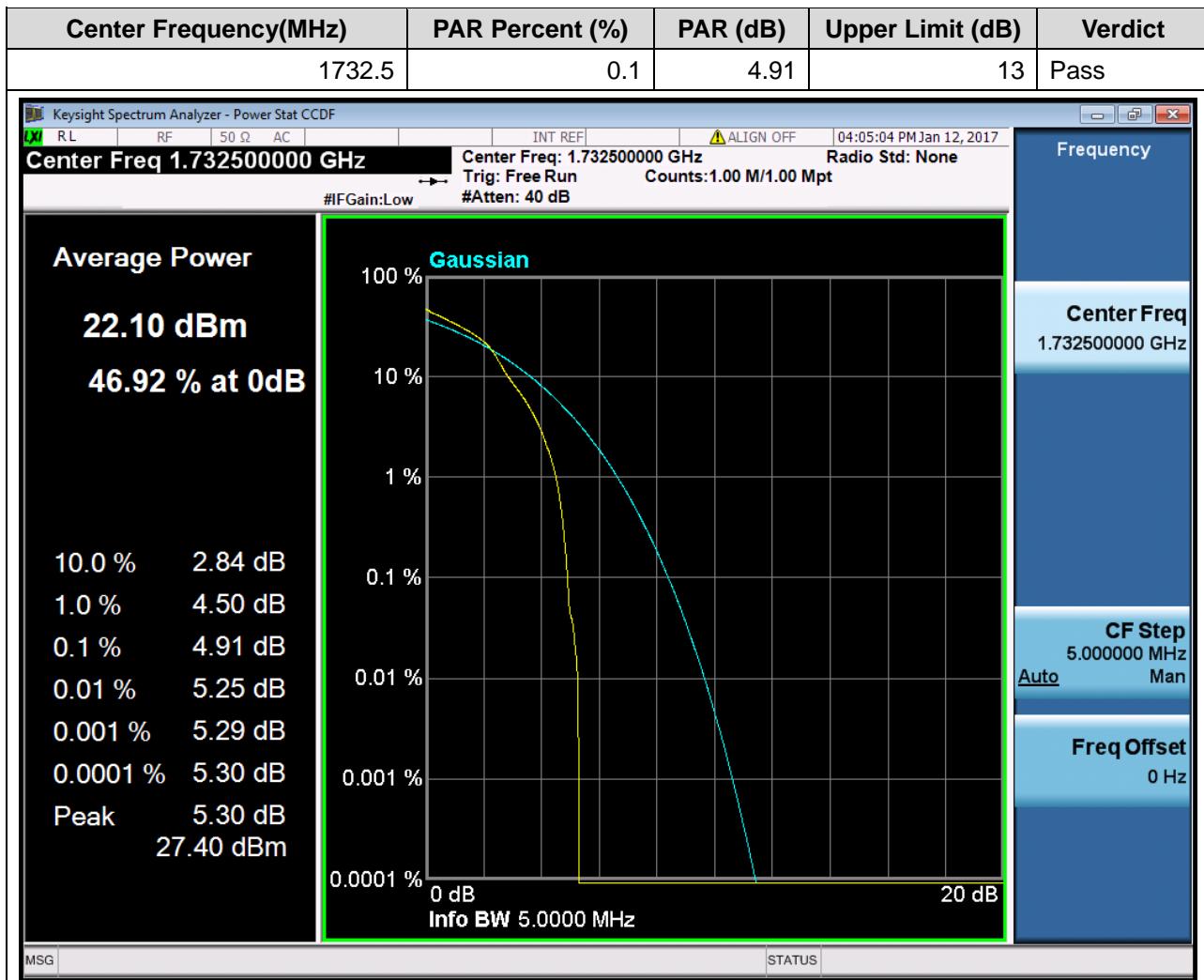
Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	5.27	13	Pass



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

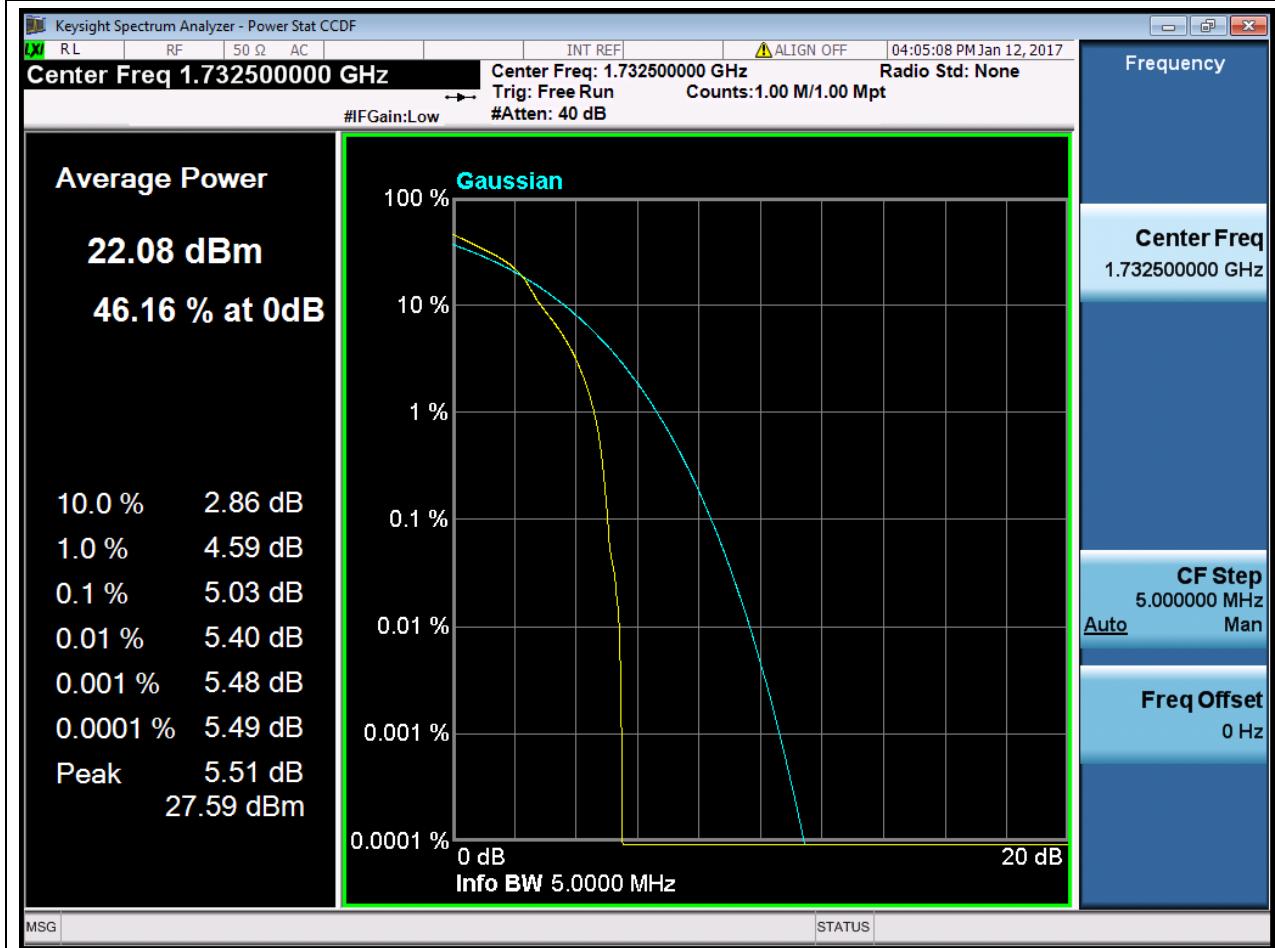


**1.36. LTE Peak to Average Ratio(NTNV)(Subtest:36, Channel:20175, Bandwidth:5, Modulation:16QAM, RB Number: 1, RB Position:LOW)**

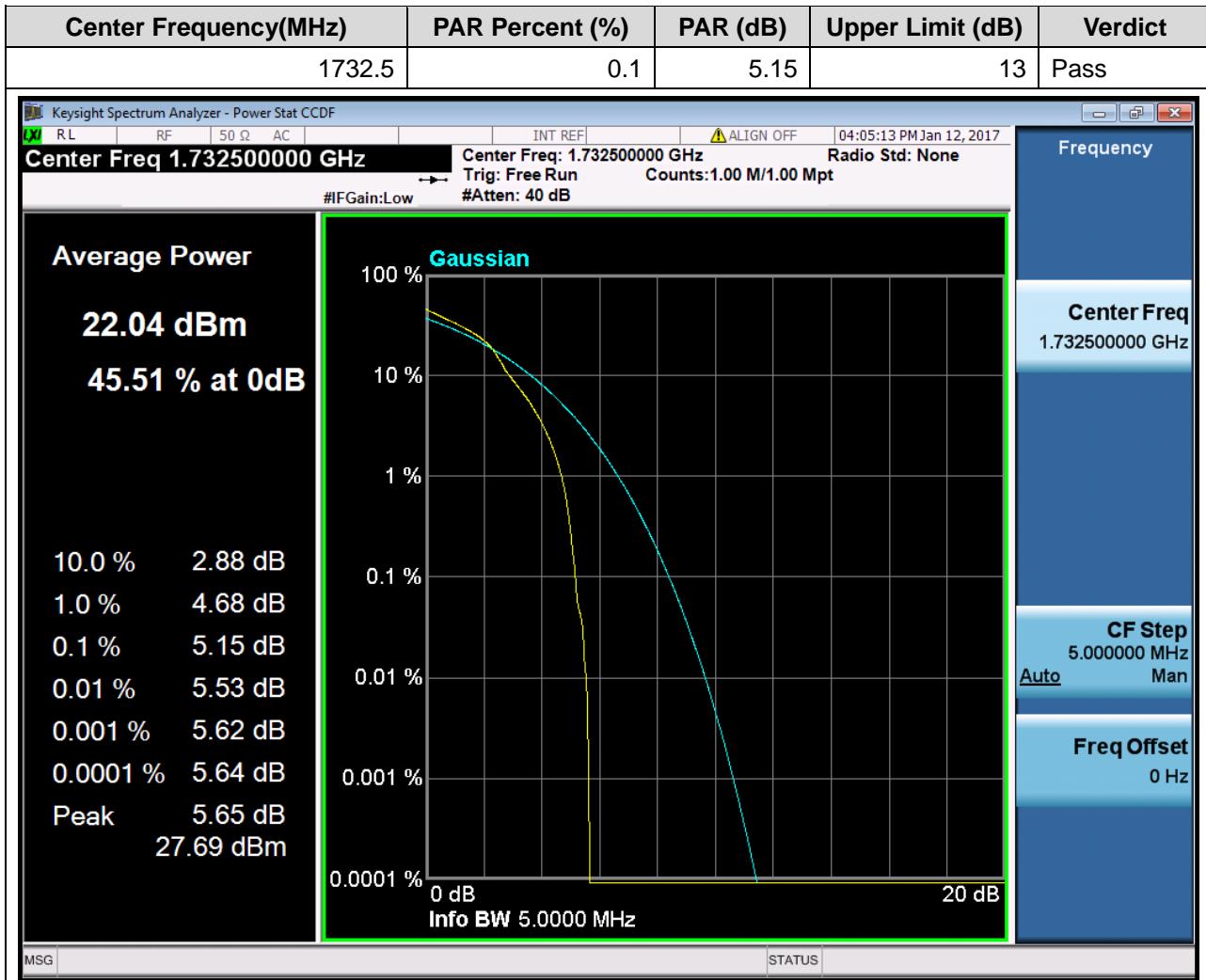


**1.37. LTE Peak to Average Ratio(NTNV)(Subtest:37, Channel:20175, Bandwidth:5, Modulation:16QAM, RB Number: 1, RB Position:MID)**

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

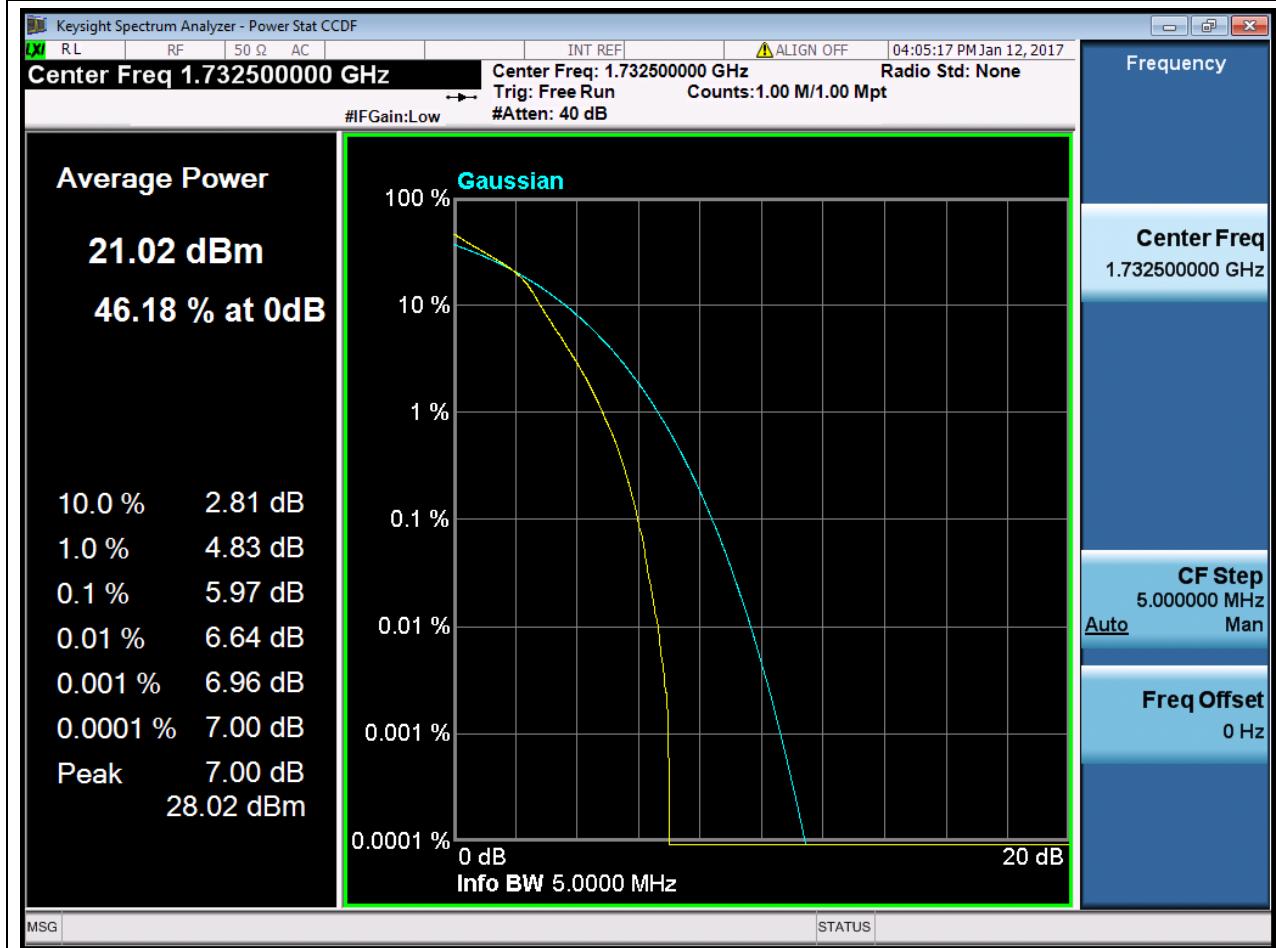


**1.38. LTE Peak to Average Ratio(NTNV)(Subtest:38, Channel:20175, Bandwidth:5, Modulation:16QAM, RB Number: 1, RB Position:HIGH)**



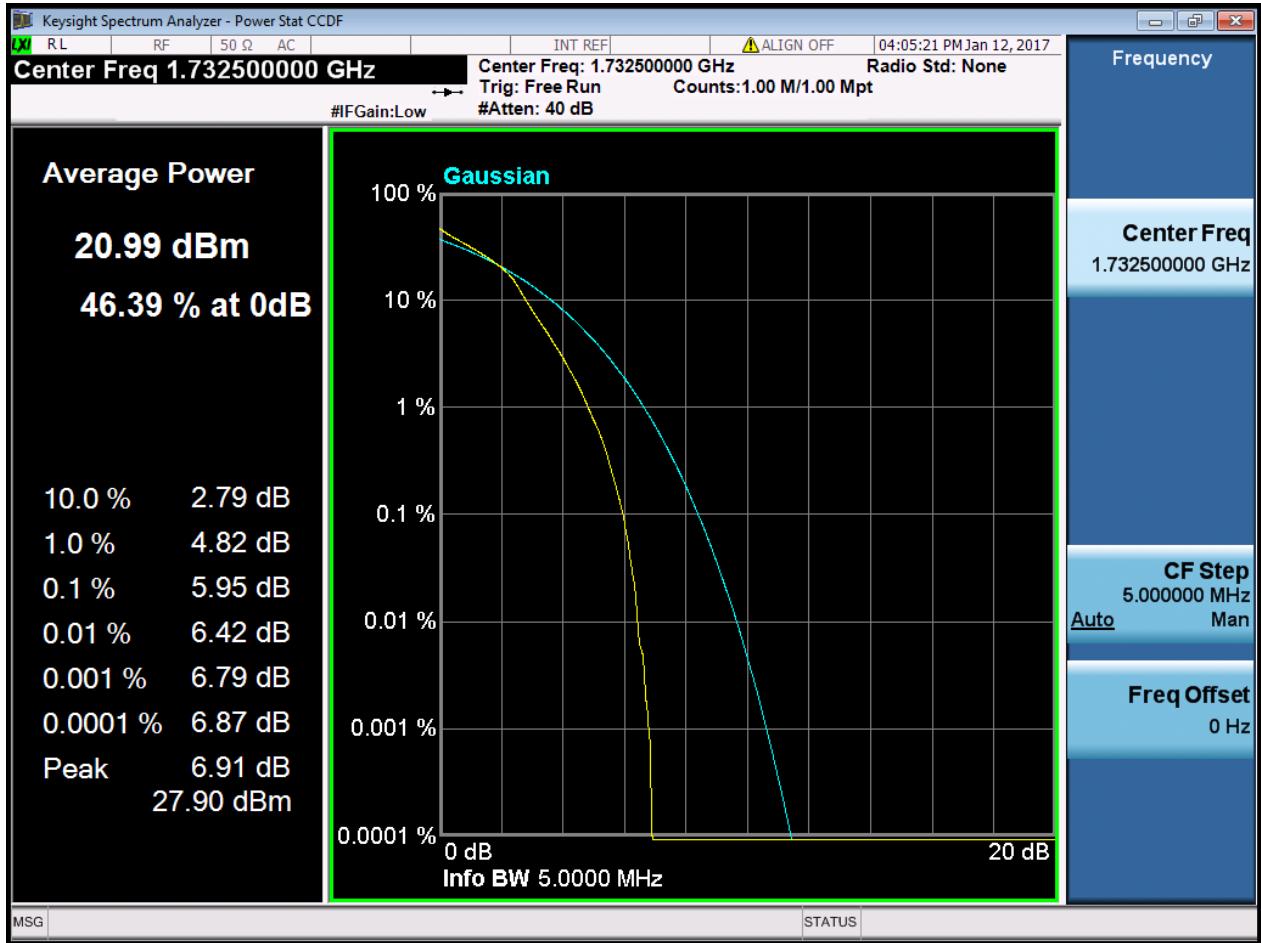
**1.39. LTE Peak to Average Ratio(NTNV)(Subtest:39, Channel:20175, Bandwidth:5, Modulation:16QAM, RB Number: 12, RB Position:LOW)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	5.97	13	Pass



**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	5.95	13	Pass

Average Power  
**20.99 dBm**  
**46.39 % at 0dB**

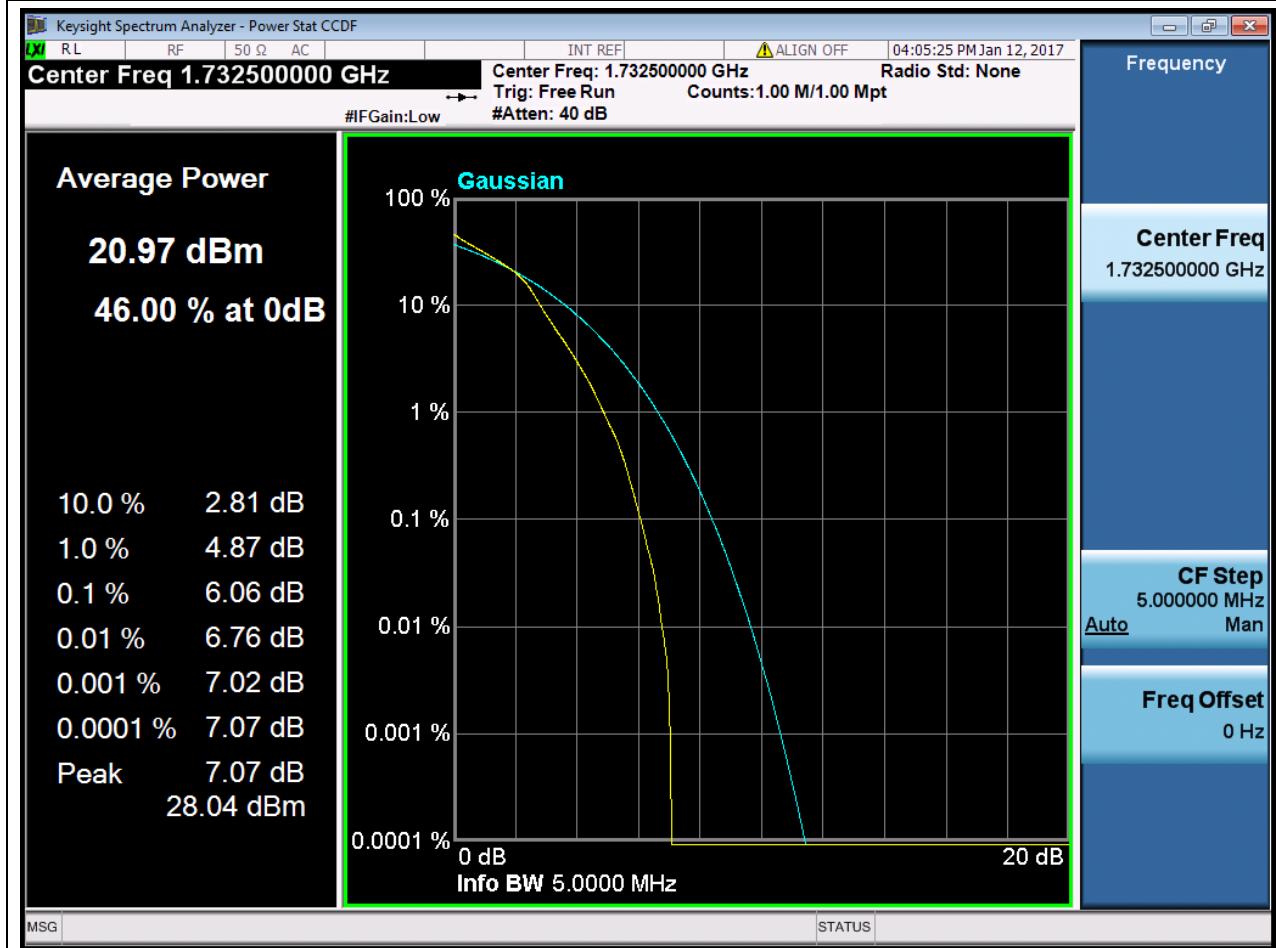
10.0 %	2.79 dB
1.0 %	4.82 dB
0.1 %	5.95 dB
0.01 %	6.42 dB
0.001 %	6.79 dB
0.0001 %	6.87 dB
Peak	6.91 dB
	27.90 dBm

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

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

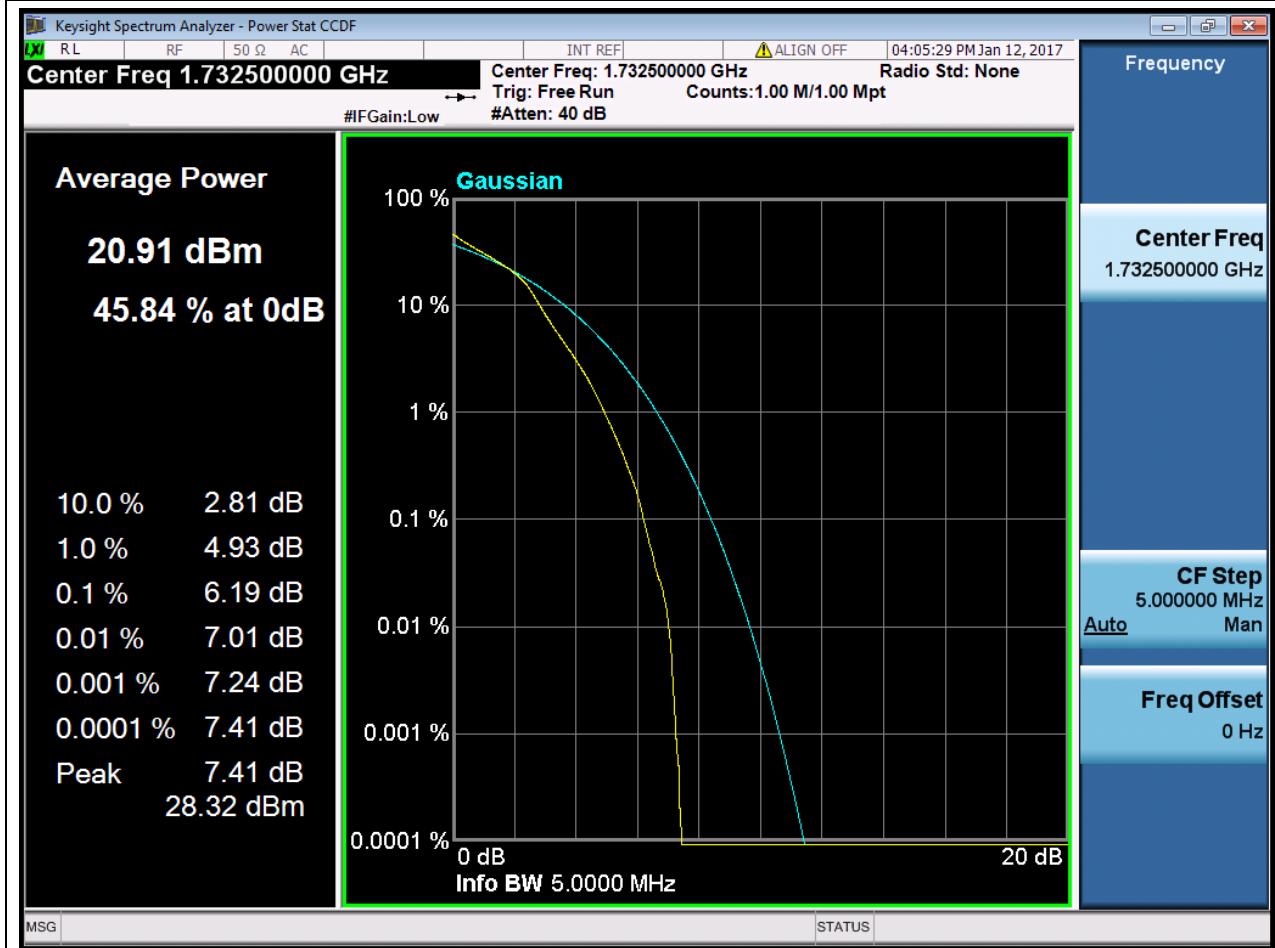
**1.41. LTE Peak to Average Ratio(NTNV)(Subtest:41, Channel:20175, Bandwidth:5, Modulation:16QAM, RB Number: 12, RB Position:HIGH)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	6.06	13	Pass



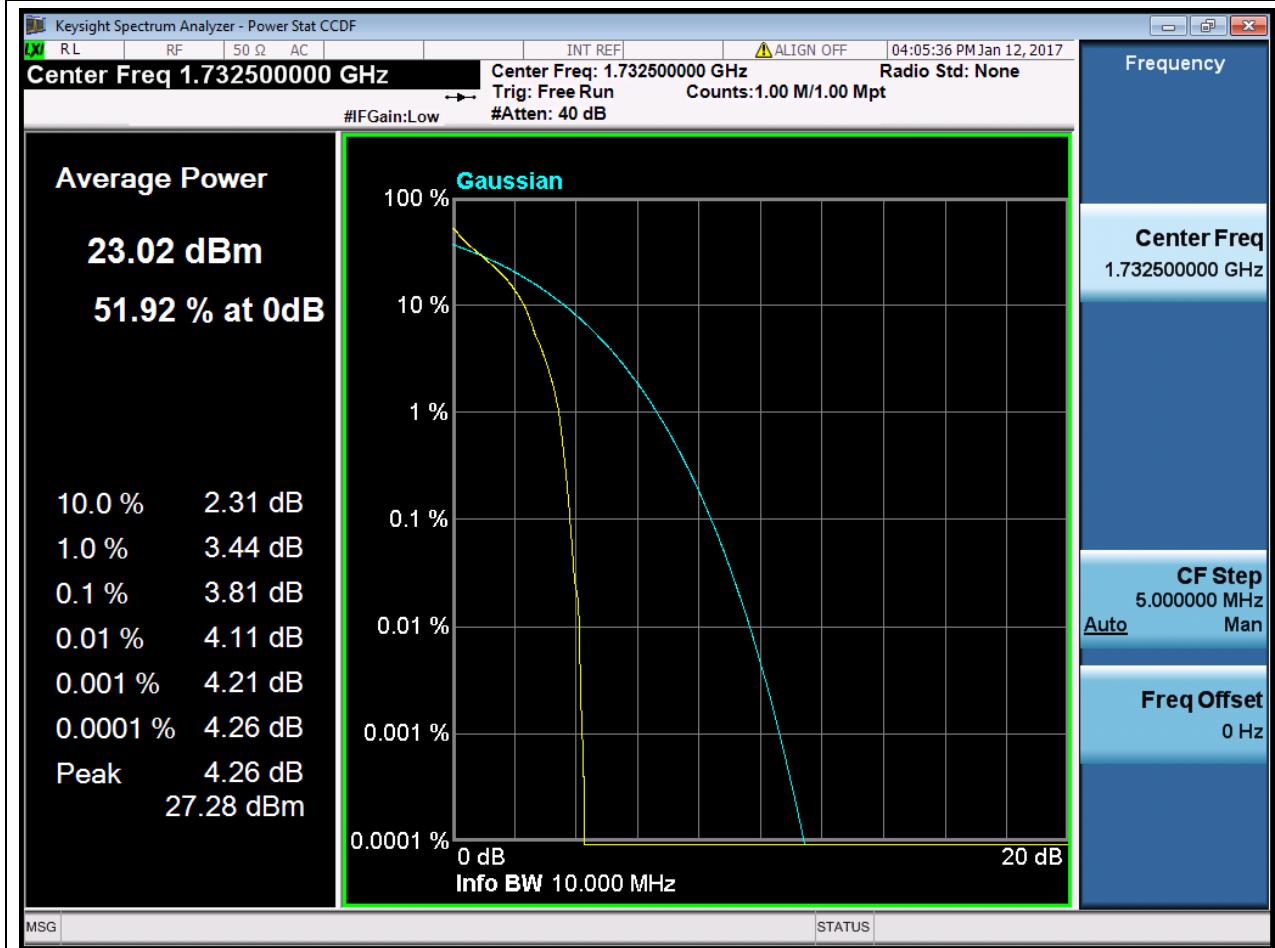
**1.42. LTE Peak to Average Ratio(NTNV)(Subtest:42, Channel:20175, Bandwidth:5, Modulation:16QAM, RB Number: 25, RB Position:LOW)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	6.19	13	Pass



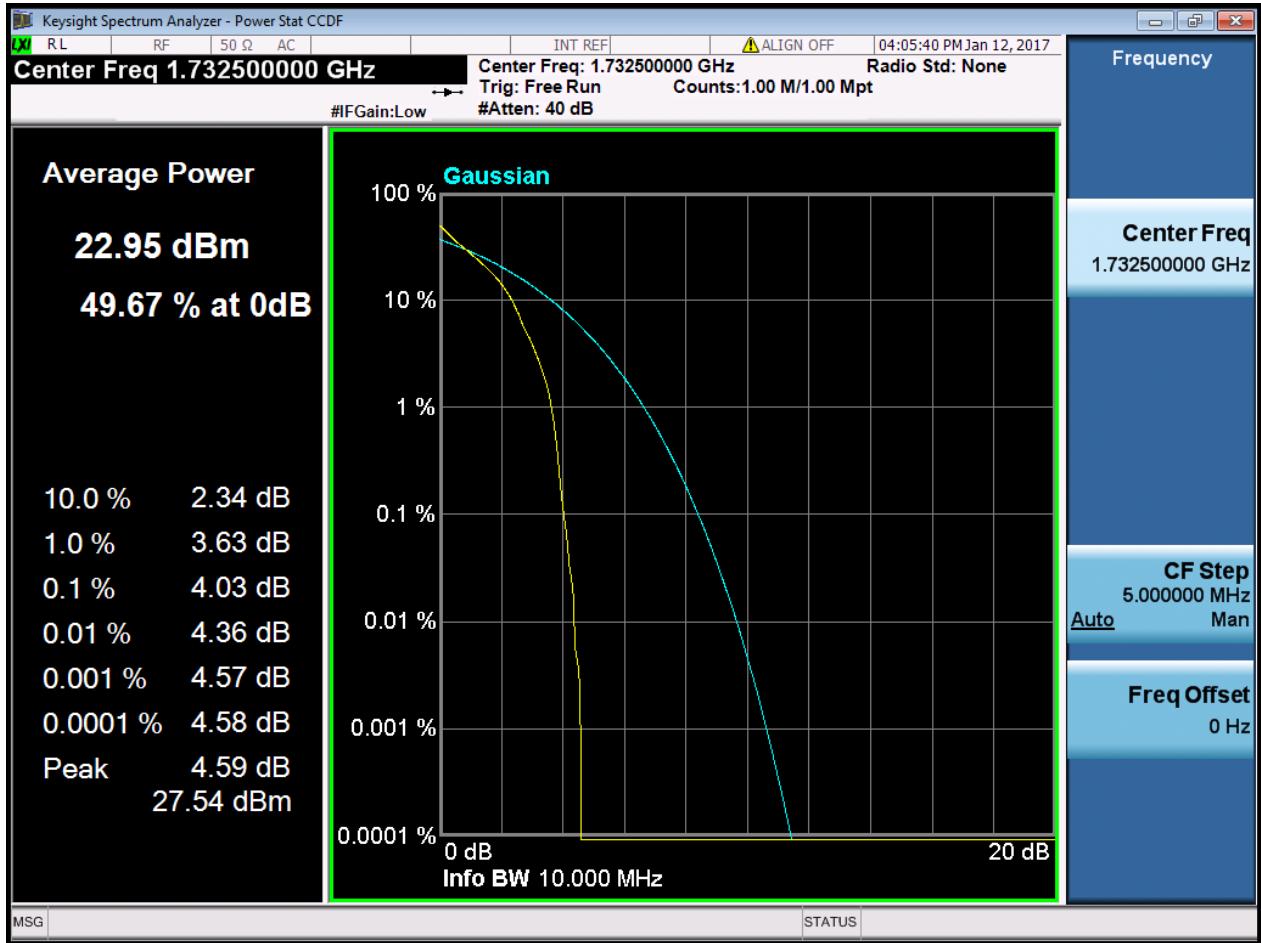
**1.43. LTE Peak to Average Ratio(NTNV)(Subtest:43, Channel:20175, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	3.81	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

Average Power  
**22.95 dBm**  
**49.67 % at 0dB**

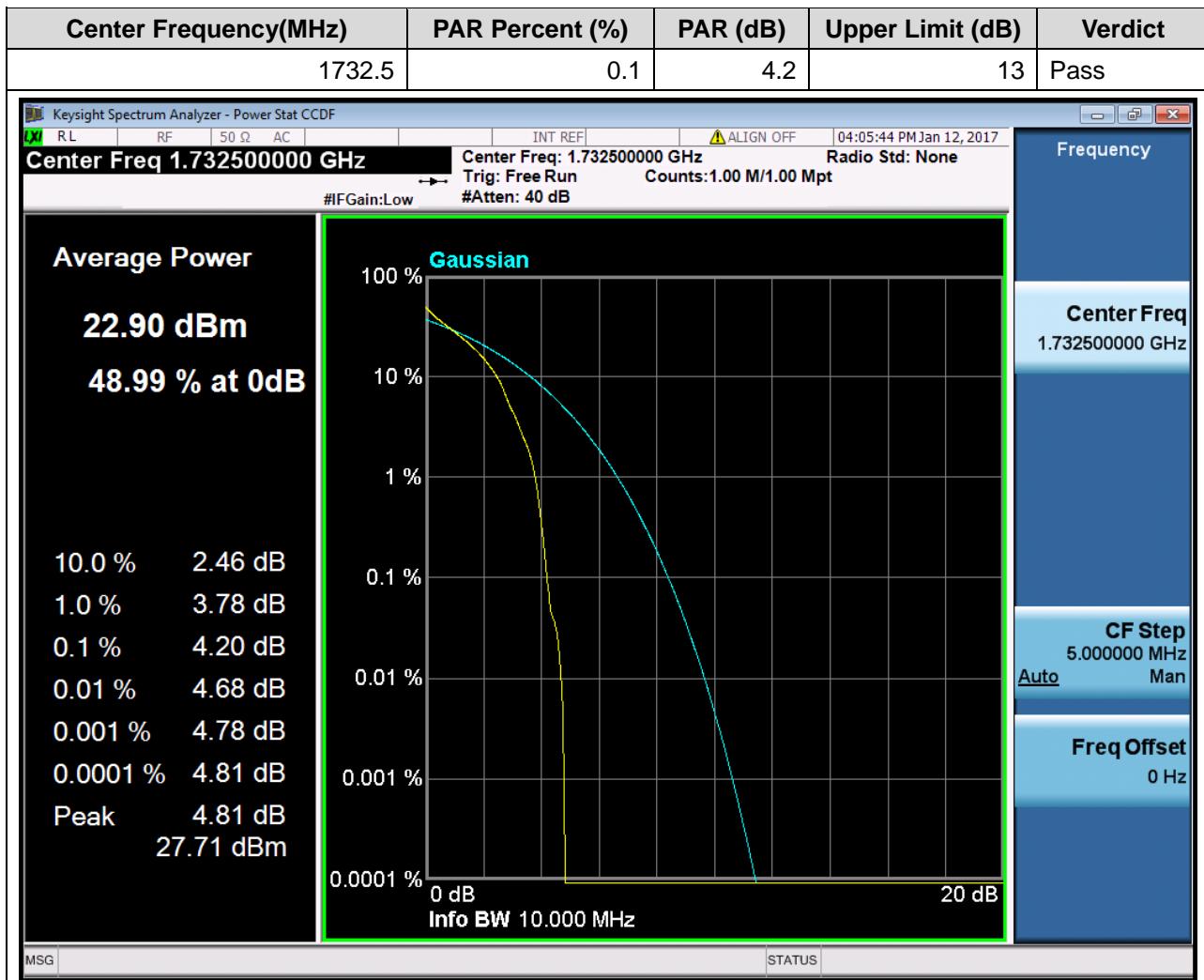
10.0 %	2.34 dB
1.0 %	3.63 dB
0.1 %	4.03 dB
0.01 %	4.36 dB
0.001 %	4.57 dB
0.0001 %	4.58 dB
Peak	4.59 dB
	27.54 dBm

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

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

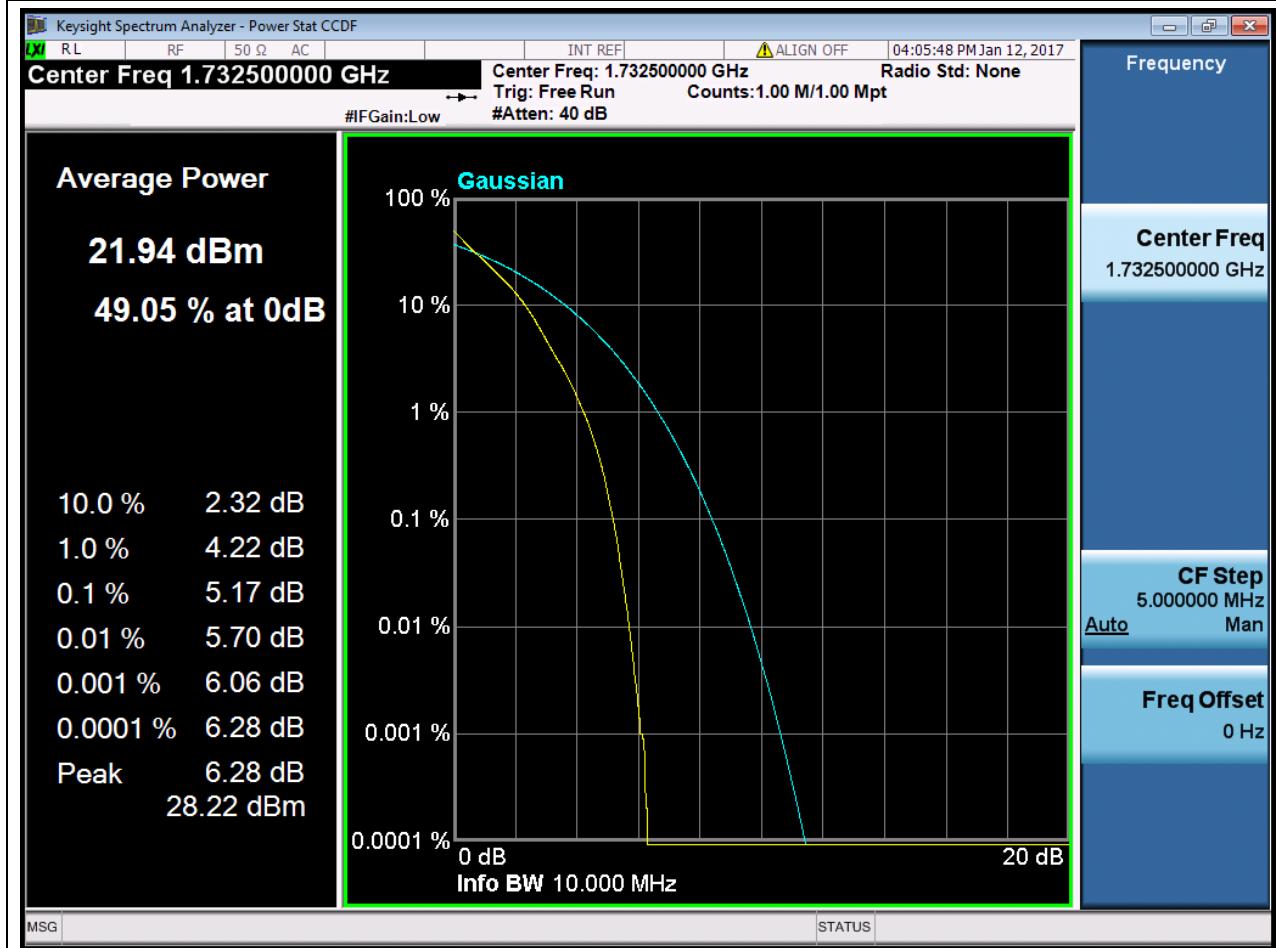
MSG STATUS

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

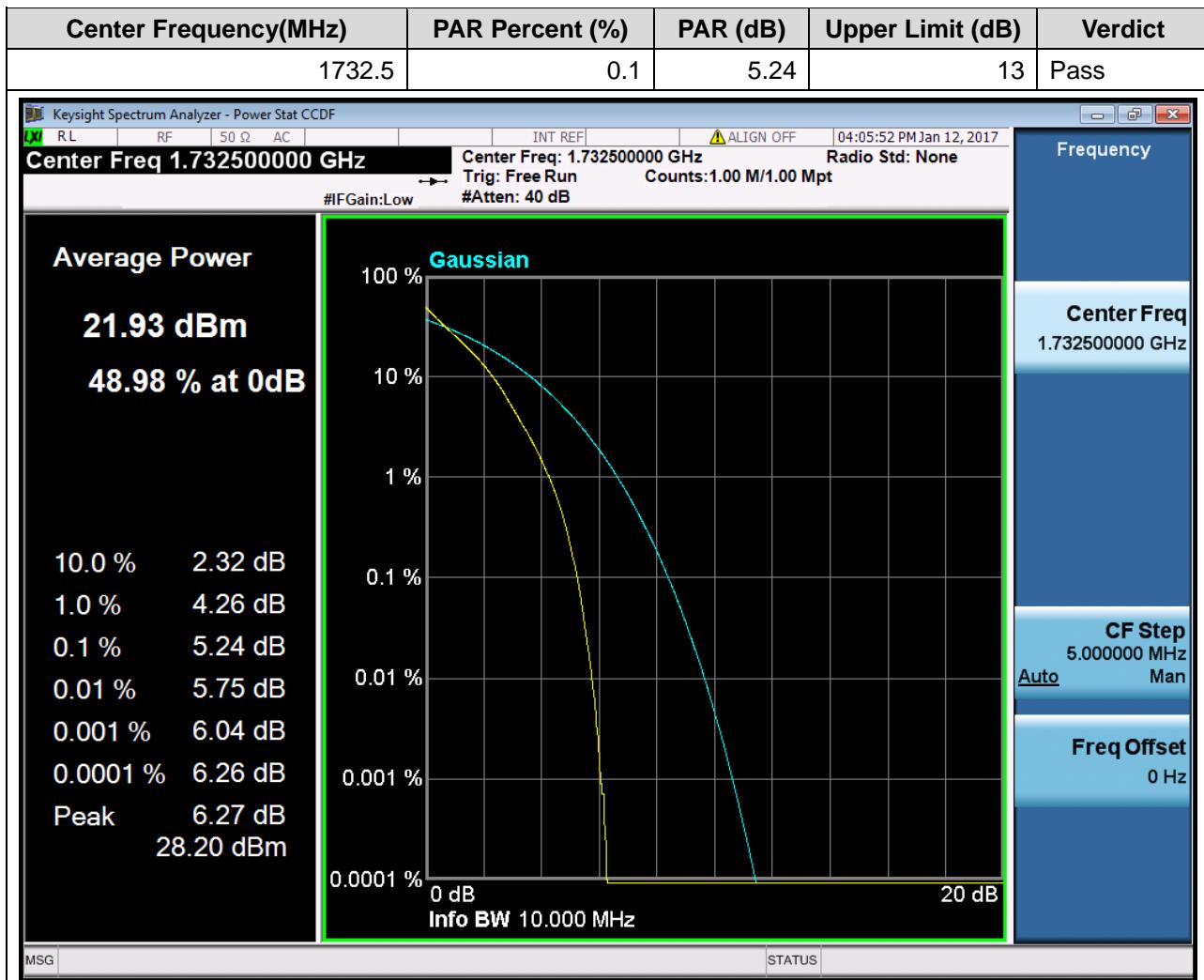


**1.46. LTE Peak to Average Ratio(NTNV)(Subtest:46, Channel:20175, Bandwidth:10, Modulation:QPSK, RB Number: 25, RB Position:LOW)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	5.17	13	Pass

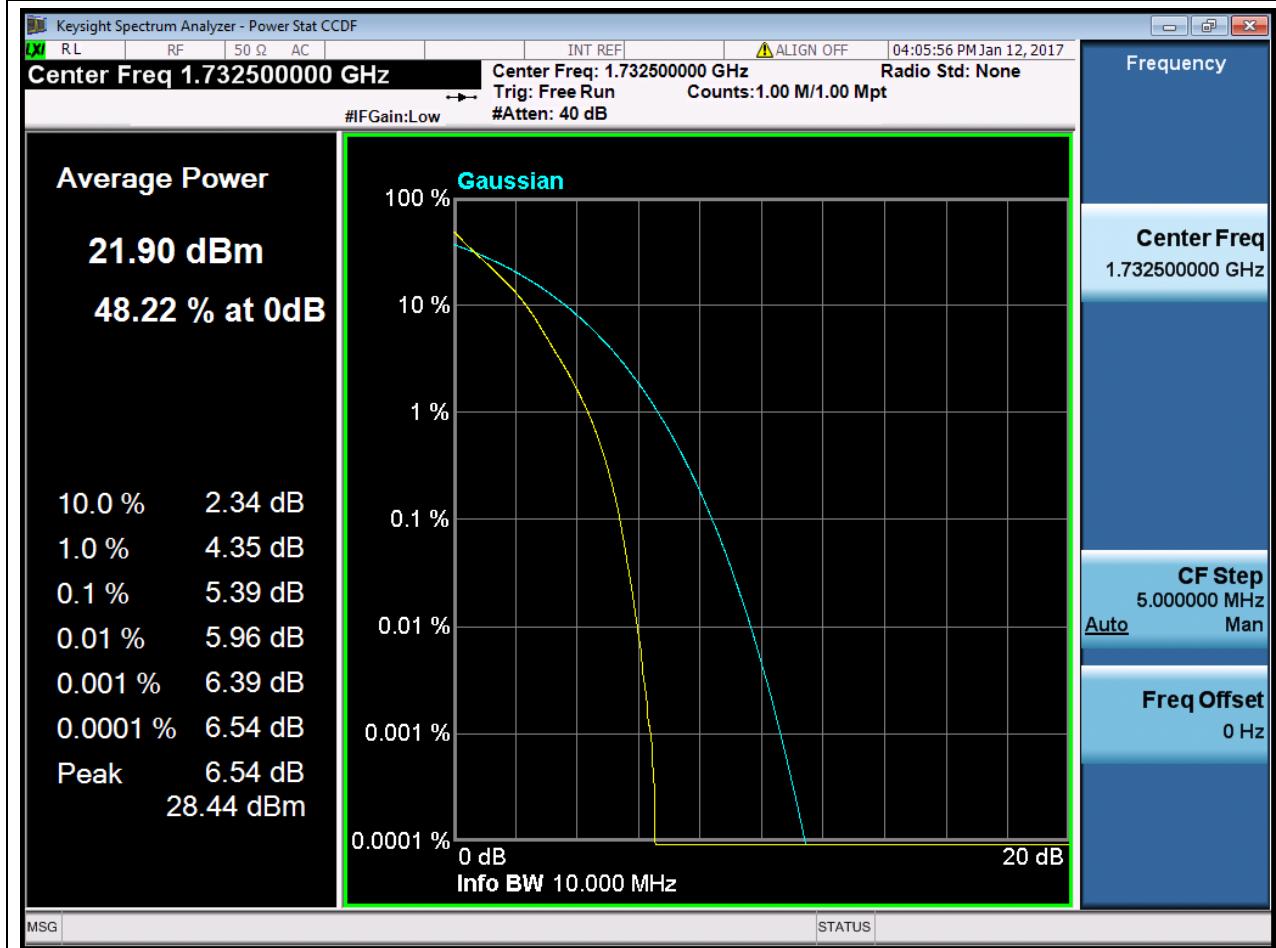


**1.47. LTE Peak to Average Ratio(NTNV)(Subtest:47, Channel:20175, Bandwidth:10, Modulation:QPSK, RB Number: 25, RB Position:MID)**



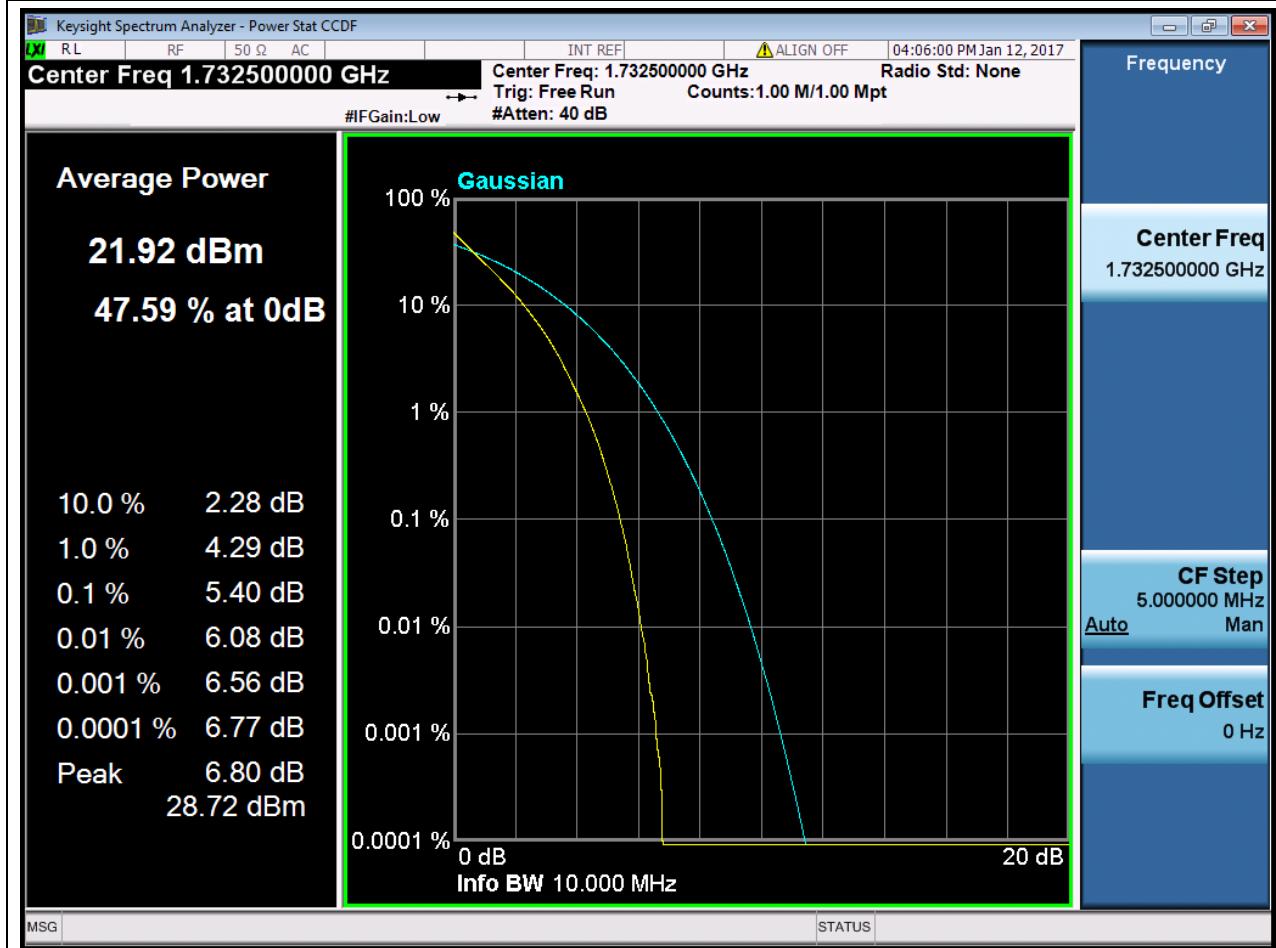
**1.48. LTE Peak to Average Ratio(NTNV)(Subtest:48, Channel:20175, Bandwidth:10, Modulation:QPSK, RB Number: 25, RB Position:HIGH)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	5.39	13	Pass



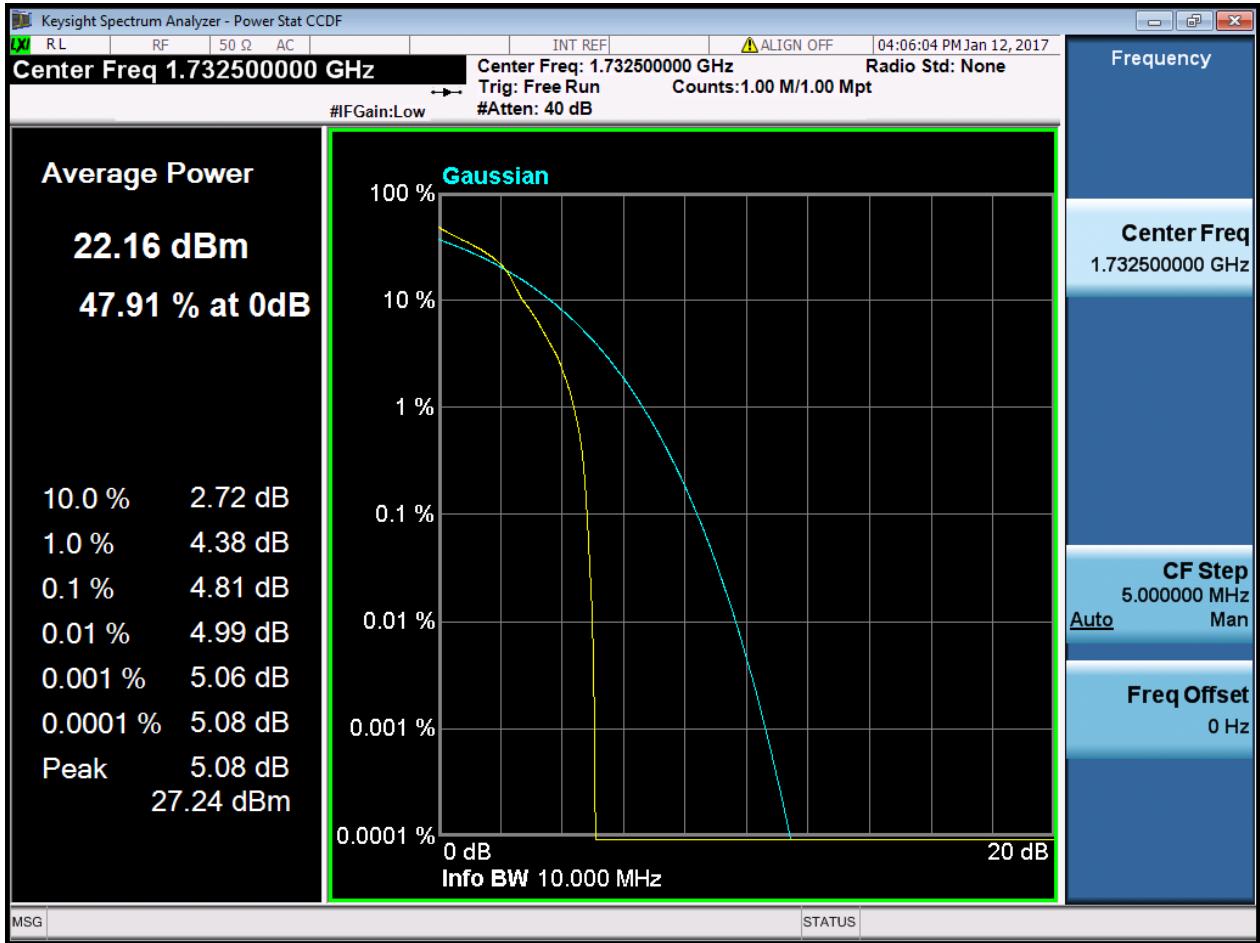
**1.49. LTE Peak to Average Ratio(NTNV)(Subtest:49, Channel:20175, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	5.4	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	4.81	13	Pass

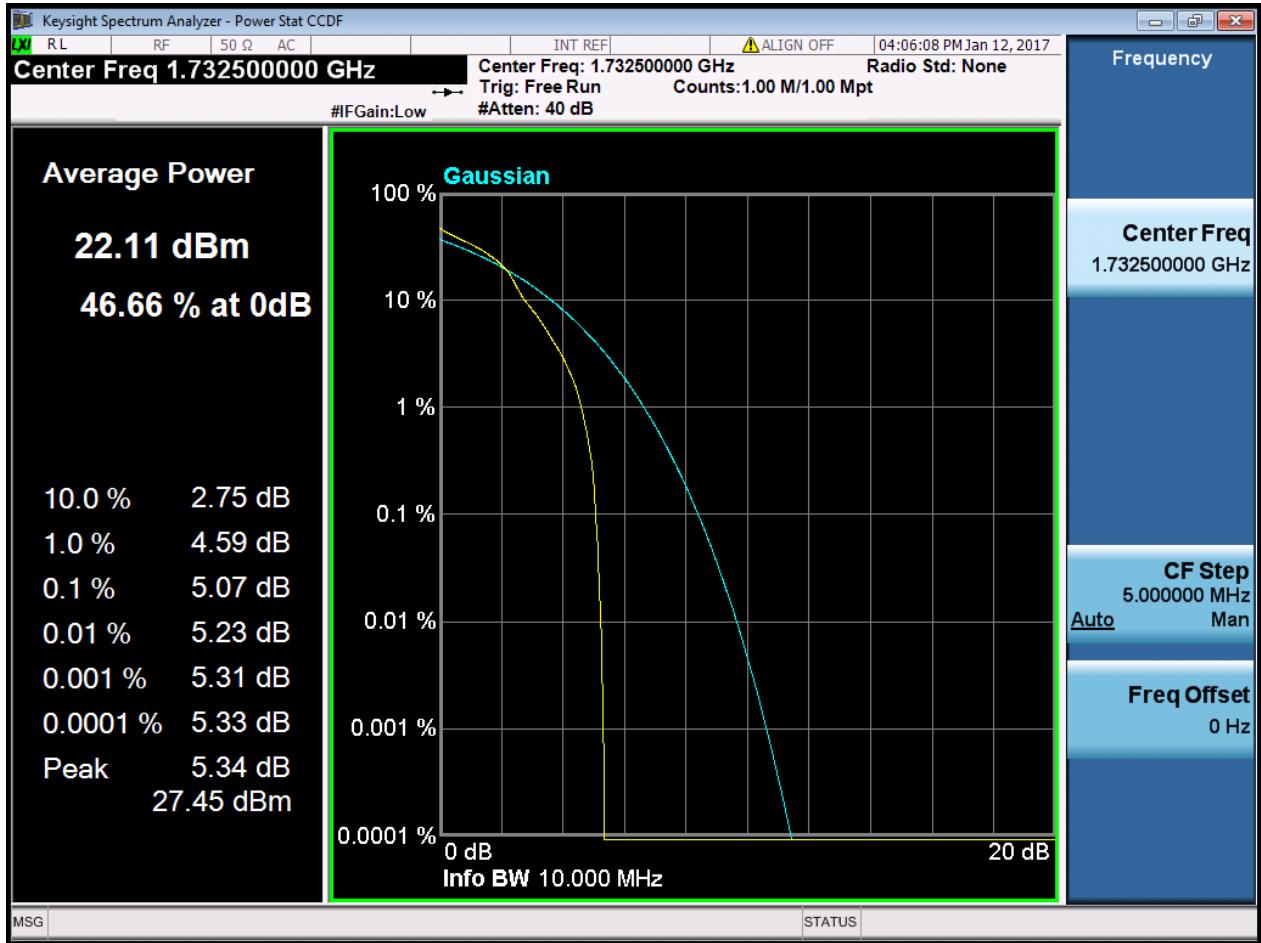
**Average Power**  
**22.16 dBm**  
**47.91 % at 0dB**

10.0 %	2.72 dB
1.0 %	4.38 dB
0.1 %	4.81 dB
0.01 %	4.99 dB
0.001 %	5.06 dB
0.0001 %	5.08 dB
Peak	5.08 dB
	27.24 dBm

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

**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	5.07	13	Pass

**Average Power**  
**22.11 dBm**  
**46.66 % at 0dB**

10.0 %	2.75 dB
1.0 %	4.59 dB
0.1 %	5.07 dB
0.01 %	5.23 dB
0.001 %	5.31 dB
0.0001 %	5.33 dB
Peak	5.34 dB
	27.45 dBm

**Gaussian**

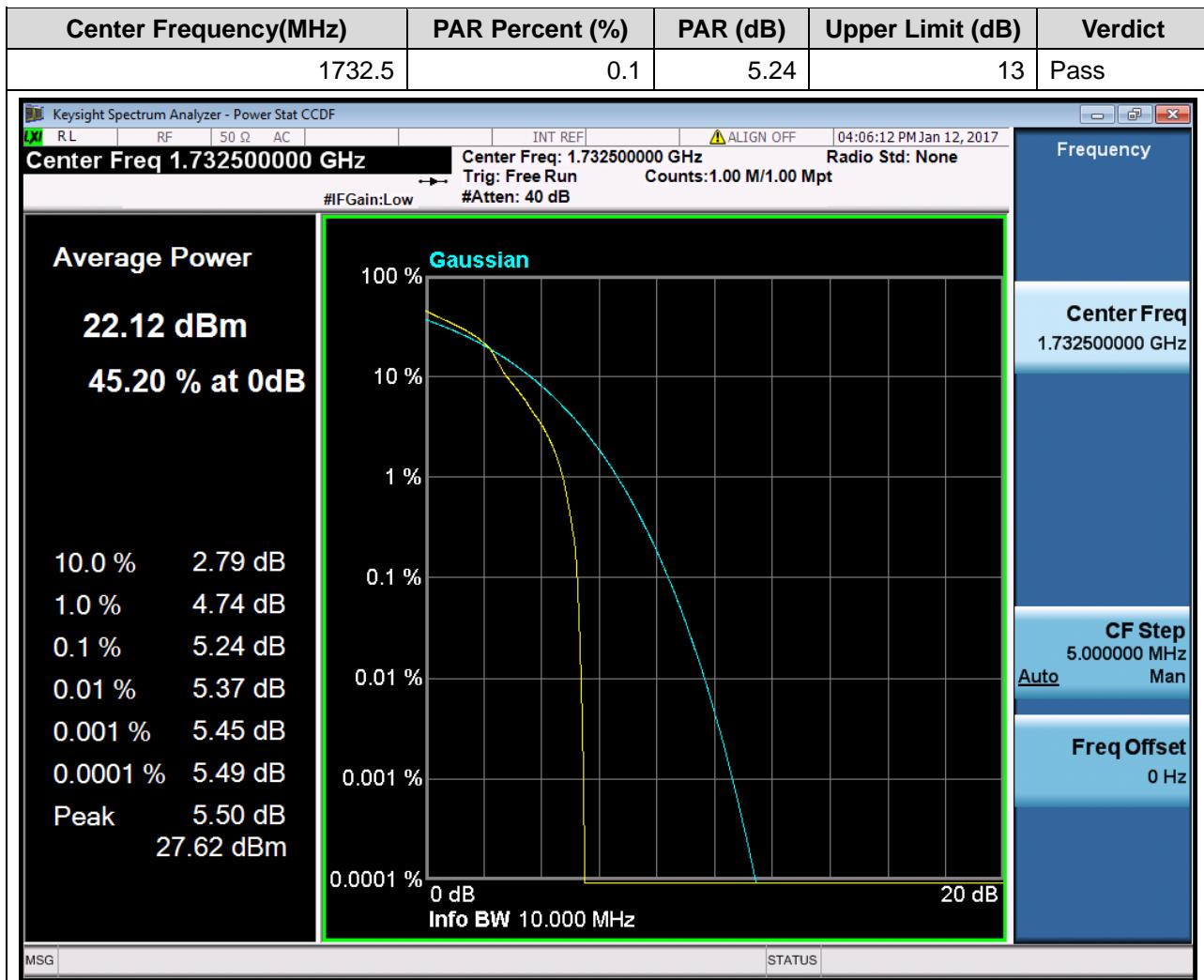
100 %  
 10 %  
 1 %  
 0.1 %  
 0.01 %  
 0.001 %  
 0.0001 %

0 dB      20 dB

Info BW 10.000 MHz

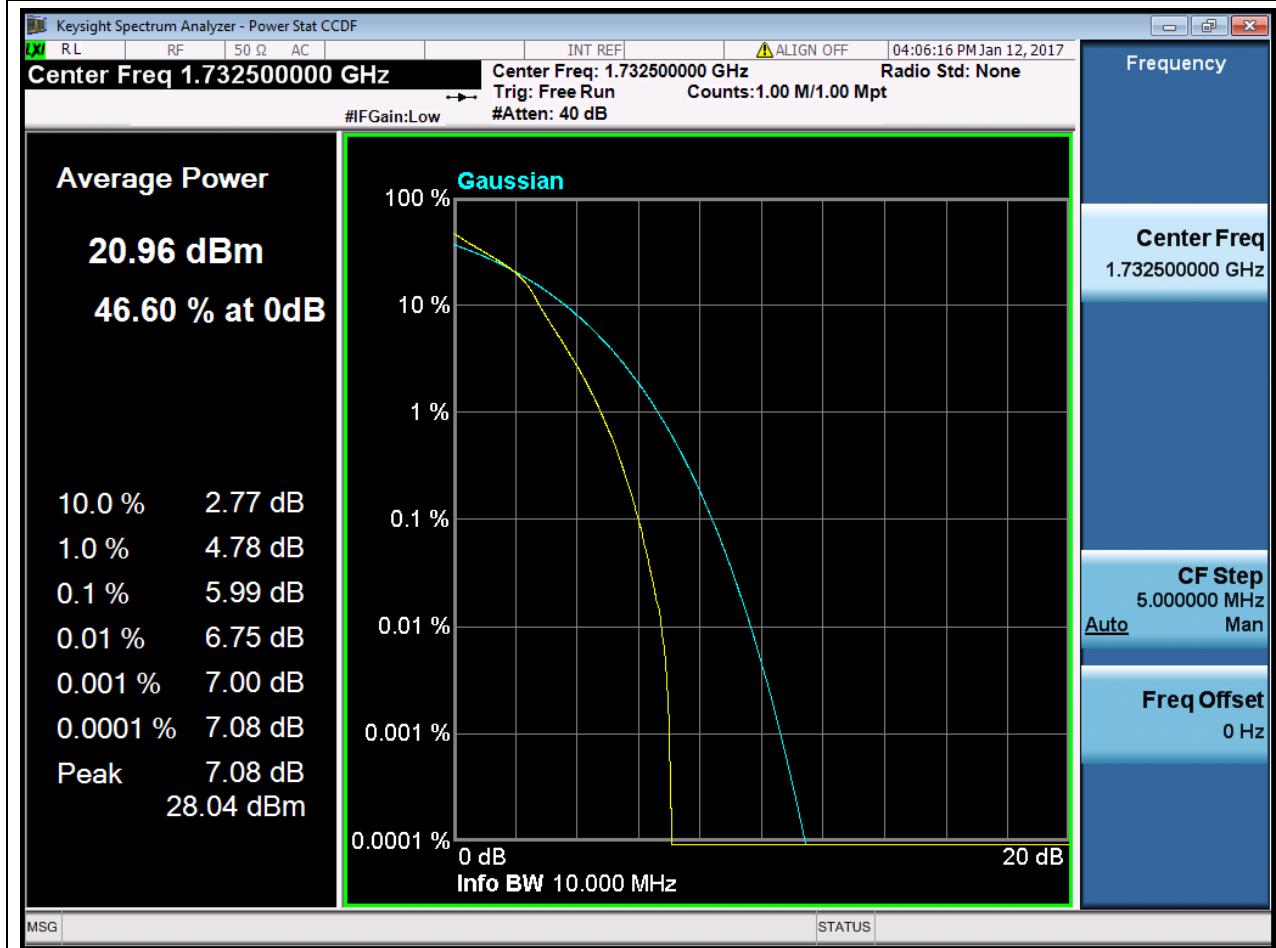
**Frequency**  
 Center Freq 1.732500000 GHz  
 CF Step 5.000000 MHz  
 Auto Man  
 Freq Offset 0 Hz

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



**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	5.99	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	5.99	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 04:06:20 PM Jan 12, 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  
**20.94 dBm**  
**46.62 % at 0dB**

10.0 % 2.78 dB  
1.0 % 4.82 dB  
0.1 % 5.99 dB  
0.01 % 6.65 dB  
0.001 % 6.91 dB  
0.0001 % 7.02 dB  
Peak 7.06 dB  
28.00 dBm

Gaussian

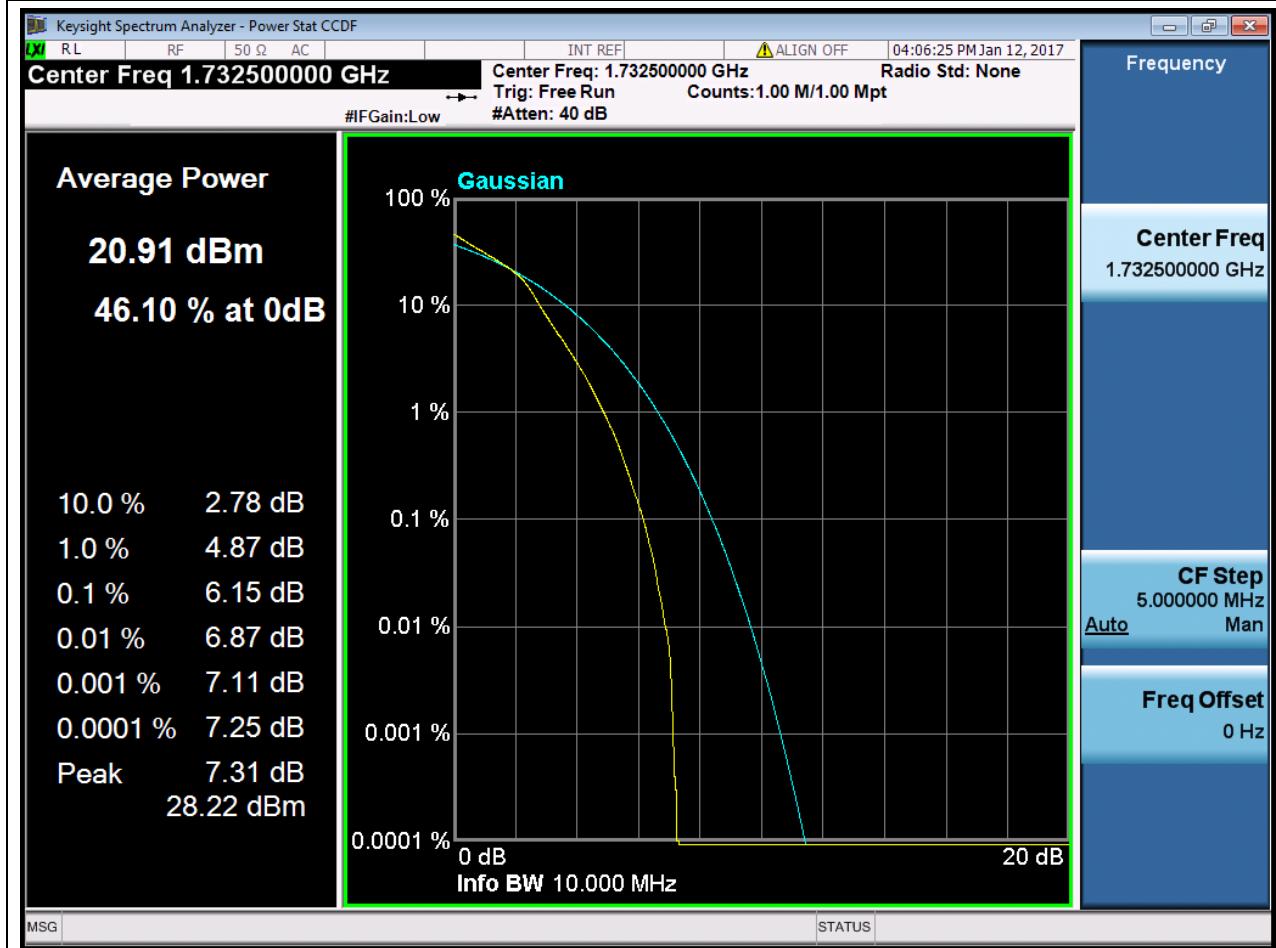


Frequency  
Center Freq 1.732500000 GHz  
CF Step 5.000000 MHz  
Auto Man  
Freq Offset 0 Hz

MSG STATUS

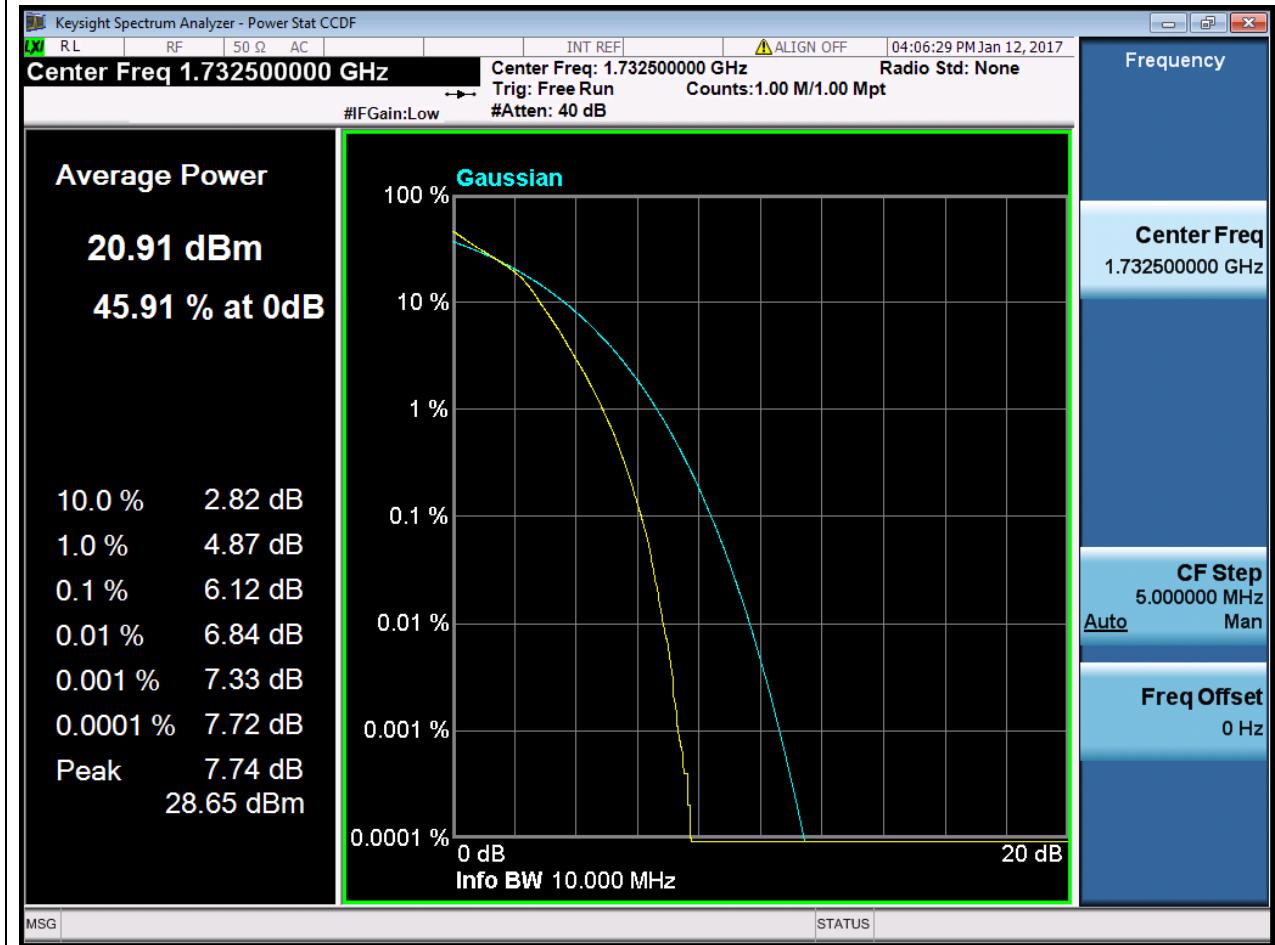
**1.55. LTE Peak to Average Ratio(NTNV)(Subtest:55, Channel:20175, Bandwidth:10, Modulation:16QAM, RB Number: 25, RB Position:HIGH)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	6.15	13	Pass



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

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	6.12	13	Pass



**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	3.7	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 04:06:36 PM Jan 12, 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 23.06 dBm  
52.67 % at 0dB

10.0 % 2.35 dB  
1.0 % 3.42 dB  
0.1 % 3.70 dB  
0.01 % 3.80 dB  
0.001 % 3.85 dB  
0.0001 % 3.87 dB  
Peak 3.89 dB  
26.95 dBm

Gaussian

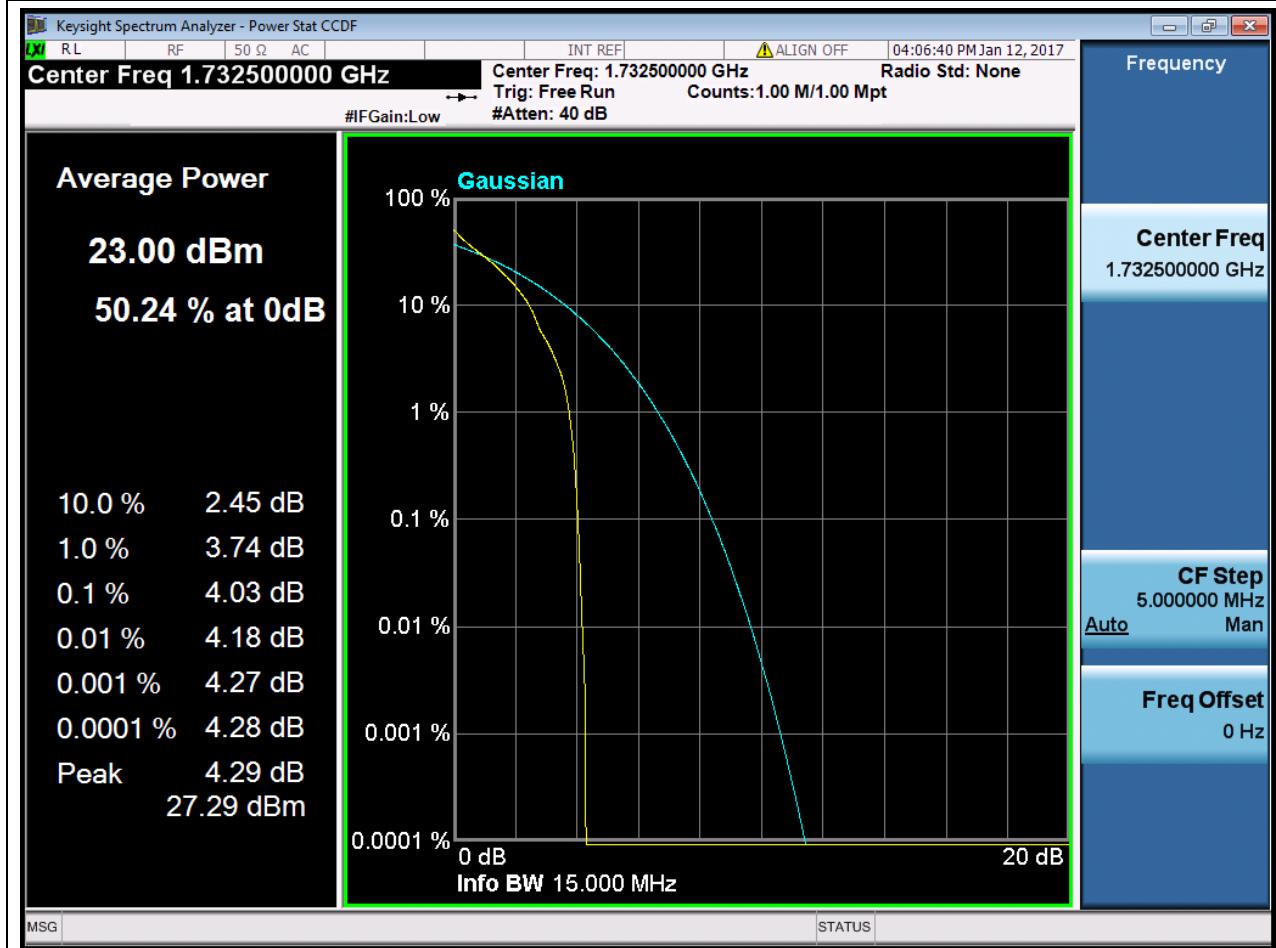


Frequency  
Center Freq 1.732500000 GHz  
CF Step 5.000000 MHz  
Auto Man  
Freq Offset 0 Hz

MSG STATUS

**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	4.03	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	4.19	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 04:06:44 PM Jan 12, 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 22.91 dBm  
48.28 % at 0dB

10.0 % 2.58 dB  
1.0 % 3.91 dB  
0.1 % 4.19 dB  
0.01 % 4.37 dB  
0.001 % 4.45 dB  
0.0001 % 4.49 dB  
Peak 4.51 dB  
27.42 dBm

Gaussian



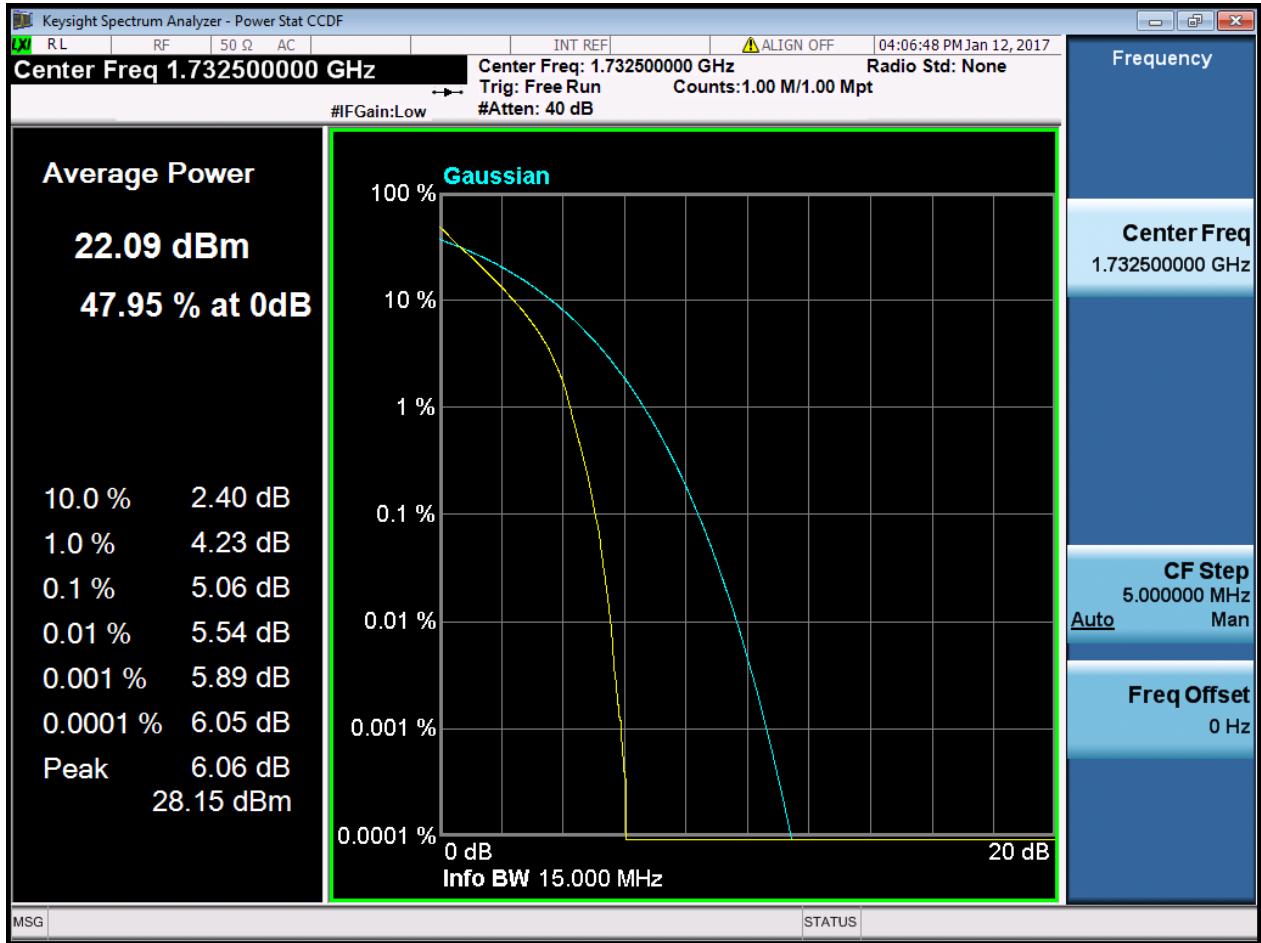
Info BW 15.000 MHz

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

MSG STATUS

**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	5.06	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:** 22.09 dBm
- 47.95 % at 0dB**
- Peak:** 6.06 dB
- 28.15 dBm**
- CF Step:** 5.000000 MHz
- Freq Offset:** 0 Hz
- Info BW:** 15.000 MHz

The graph displays a Gaussian distribution curve on a semi-logarithmic scale from 0.0001% to 100% on the y-axis and -20 dB to 20 dB on the x-axis.

**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	5.17	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

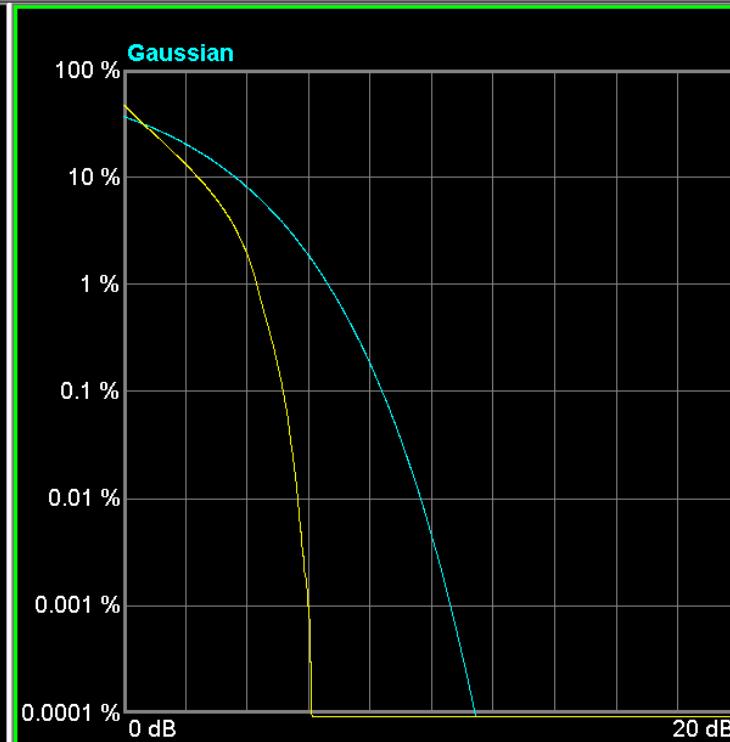
RL RF 50 Ω AC INT REF ALIGN OFF 04:06:52 PM Jan 12, 2017

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 22.03 dBm  
47.48 % at 0dB

10.0 % 2.41 dB  
1.0 % 4.31 dB  
0.1 % 5.17 dB  
0.01 % 5.65 dB  
0.001 % 5.98 dB  
0.0001 % 6.10 dB  
Peak 6.11 dB  
28.14 dBm

Gaussian



Info BW 15.000 MHz

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

MSG STATUS

**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	5.39	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

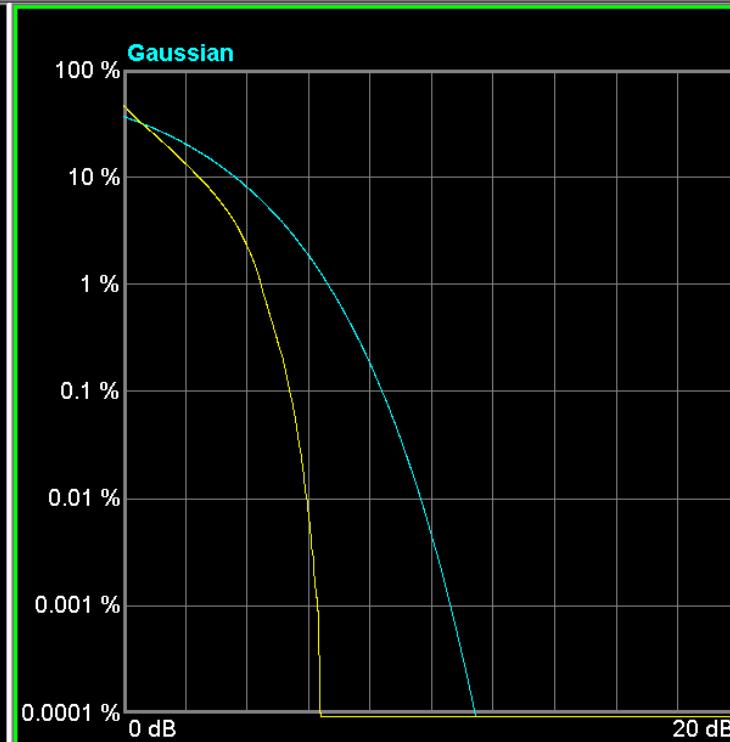
RL RF 50 Ω AC INT REF ALIGN OFF 04:06:56 PM Jan 12, 2017

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 21.99 dBm  
46.56 % at 0dB

10.0 % 2.45 dB  
1.0 % 4.45 dB  
0.1 % 5.39 dB  
0.01 % 5.94 dB  
0.001 % 6.29 dB  
0.0001 % 6.38 dB  
Peak 6.41 dB  
28.40 dBm

Gaussian



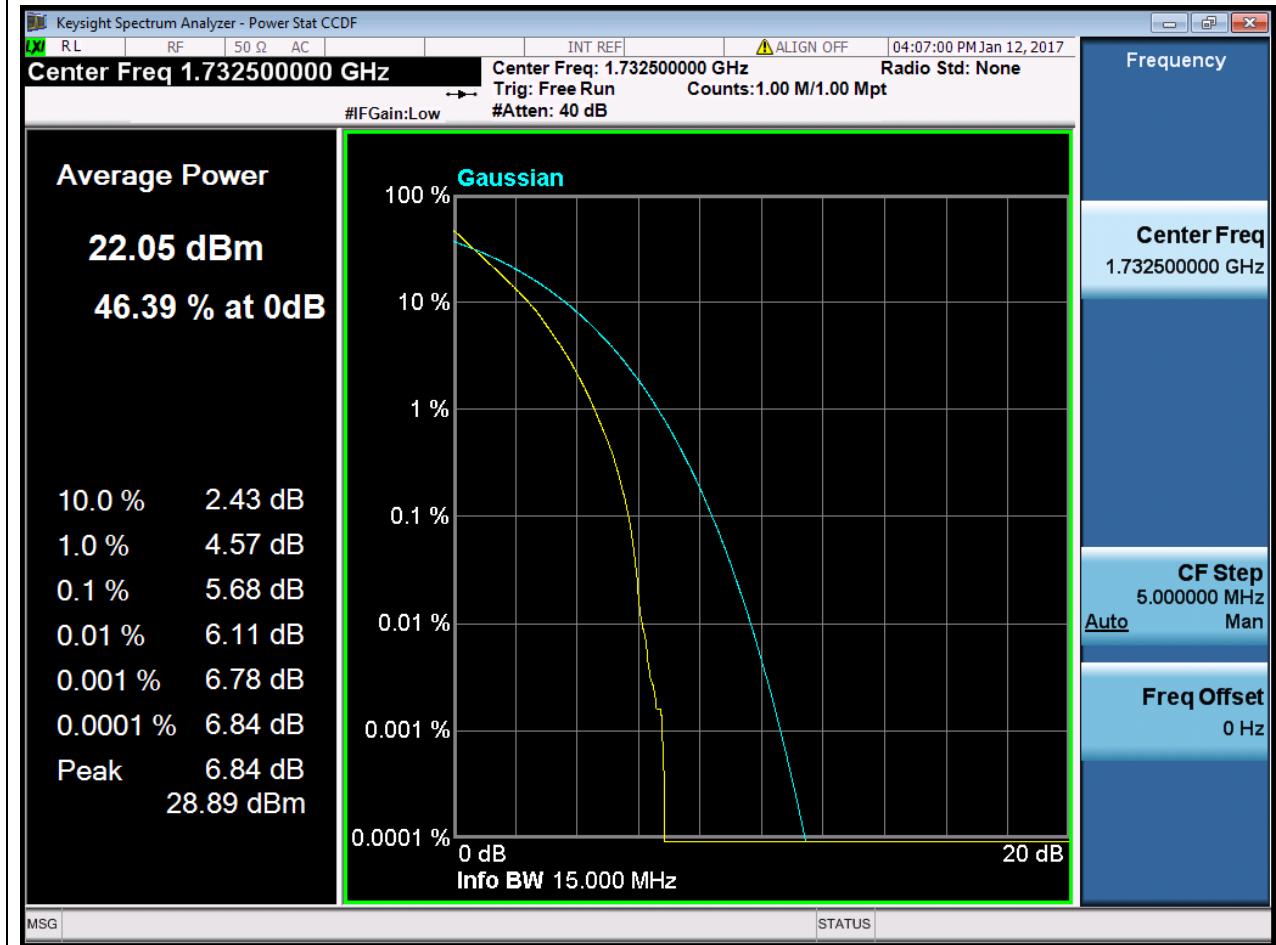
0 dB 20 dB Info BW 15.000 MHz

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

MSG STATUS

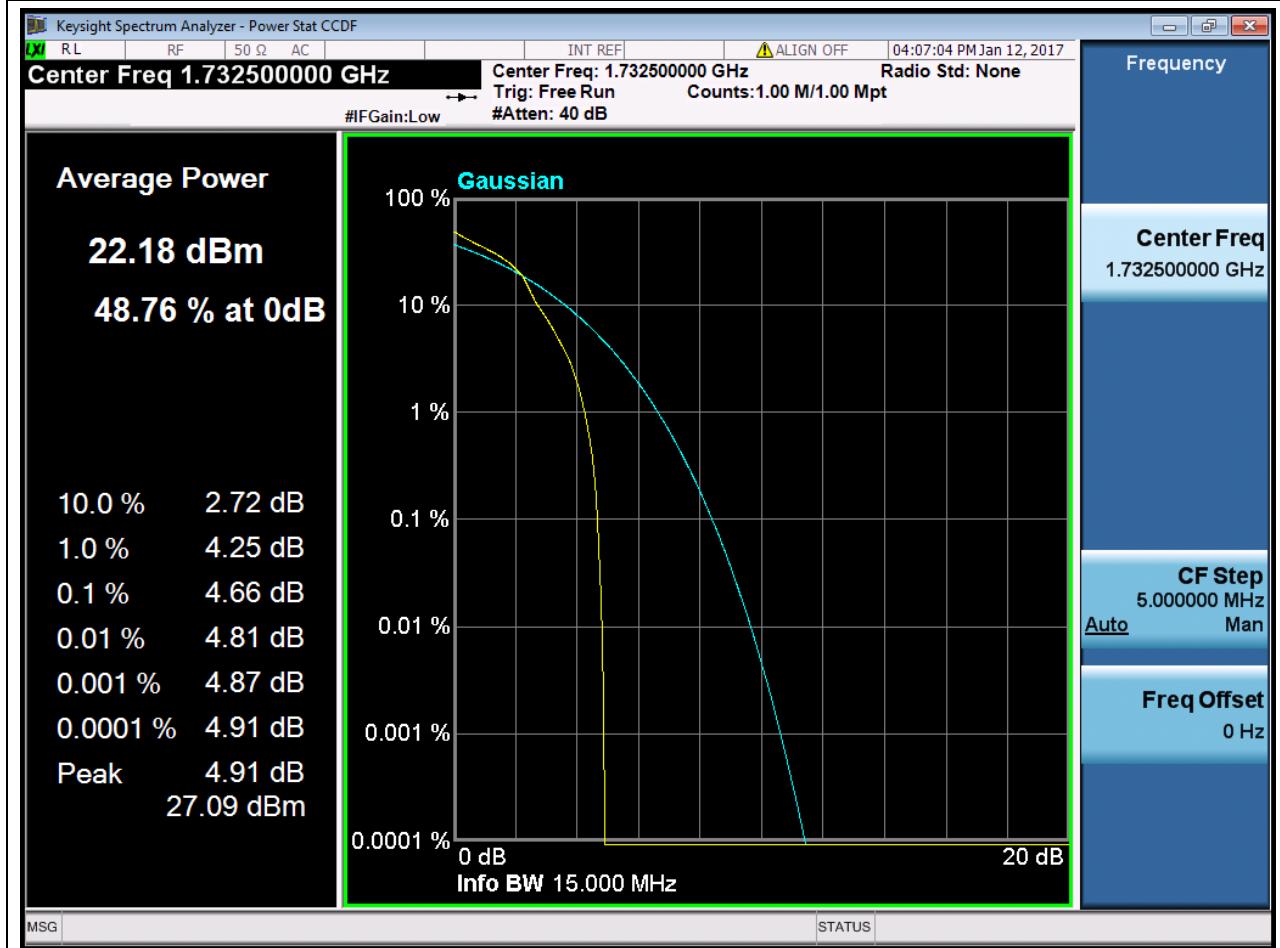
**1.63. LTE Peak to Average Ratio(NTNV)(Subtest:63, Channel:20175, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	5.68	13	Pass



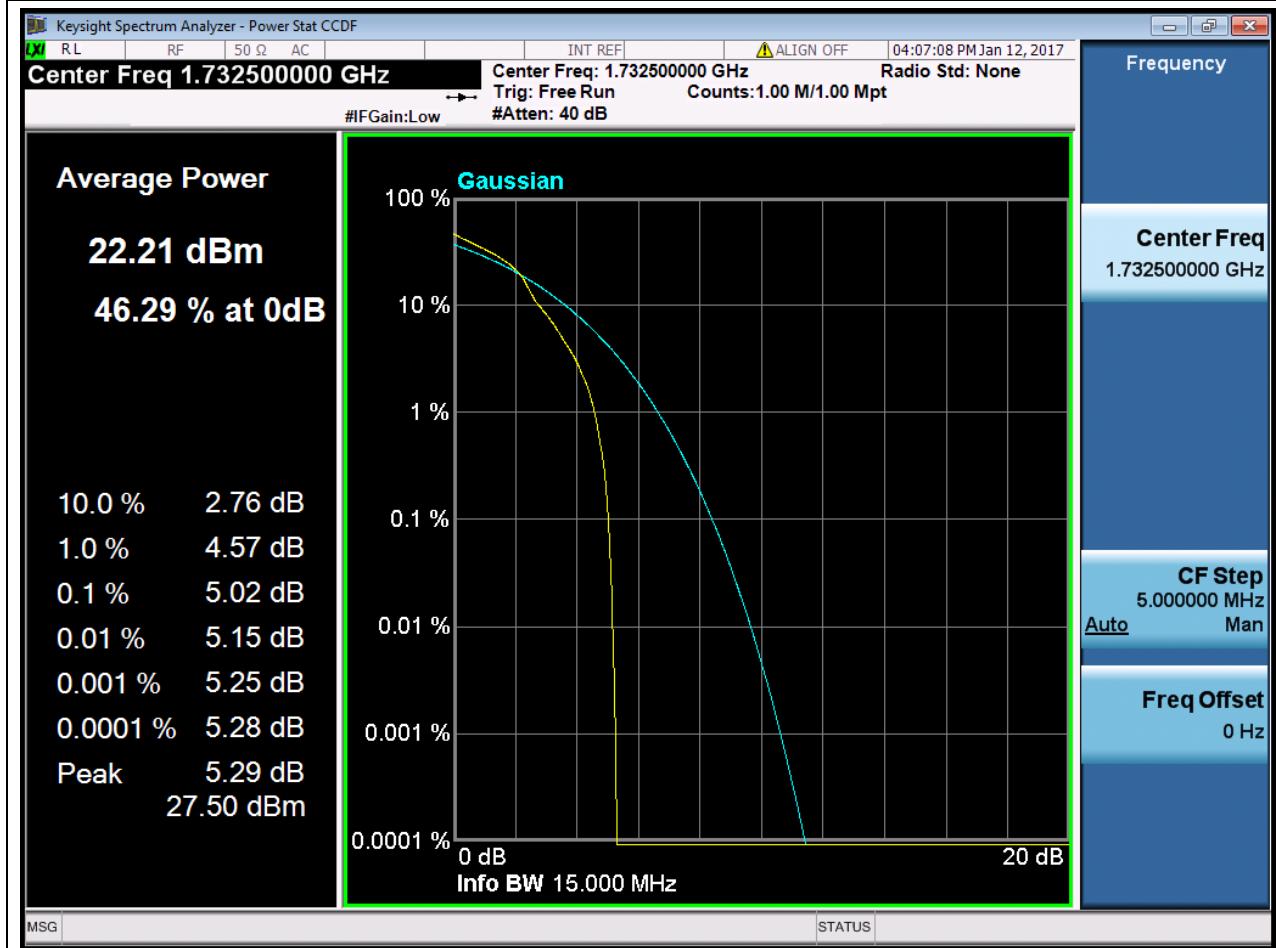
**1.64. LTE Peak to Average Ratio(NTNV)(Subtest:64, Channel:20175, Bandwidth:15, Modulation:16QAM, RB Number: 1, RB Position:LOW)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	4.66	13	Pass



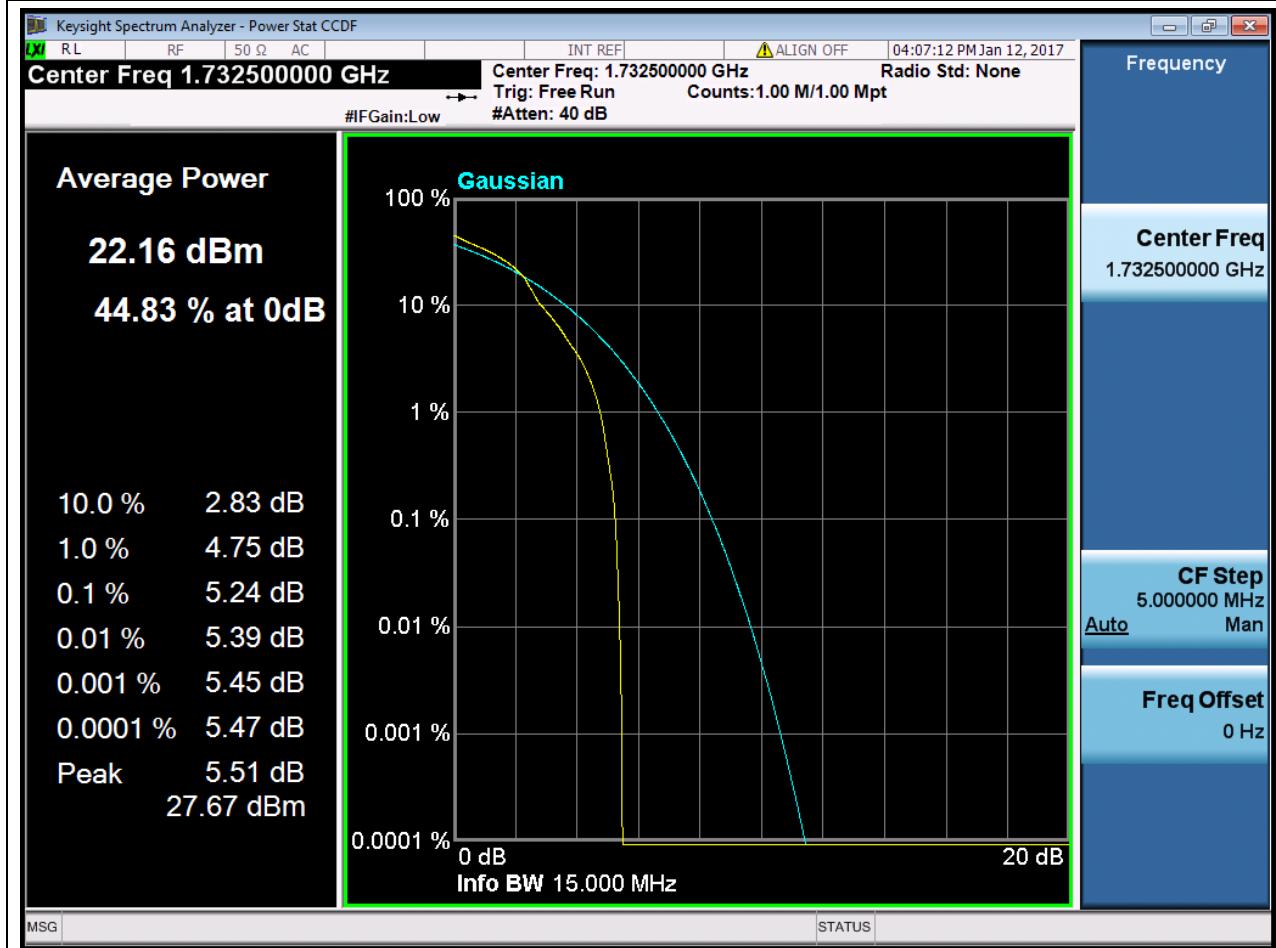
**1.65. LTE Peak to Average Ratio(NTNV)(Subtest:65, Channel:20175, Bandwidth:15, Modulation:16QAM, RB Number: 1, RB Position:MID)**

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



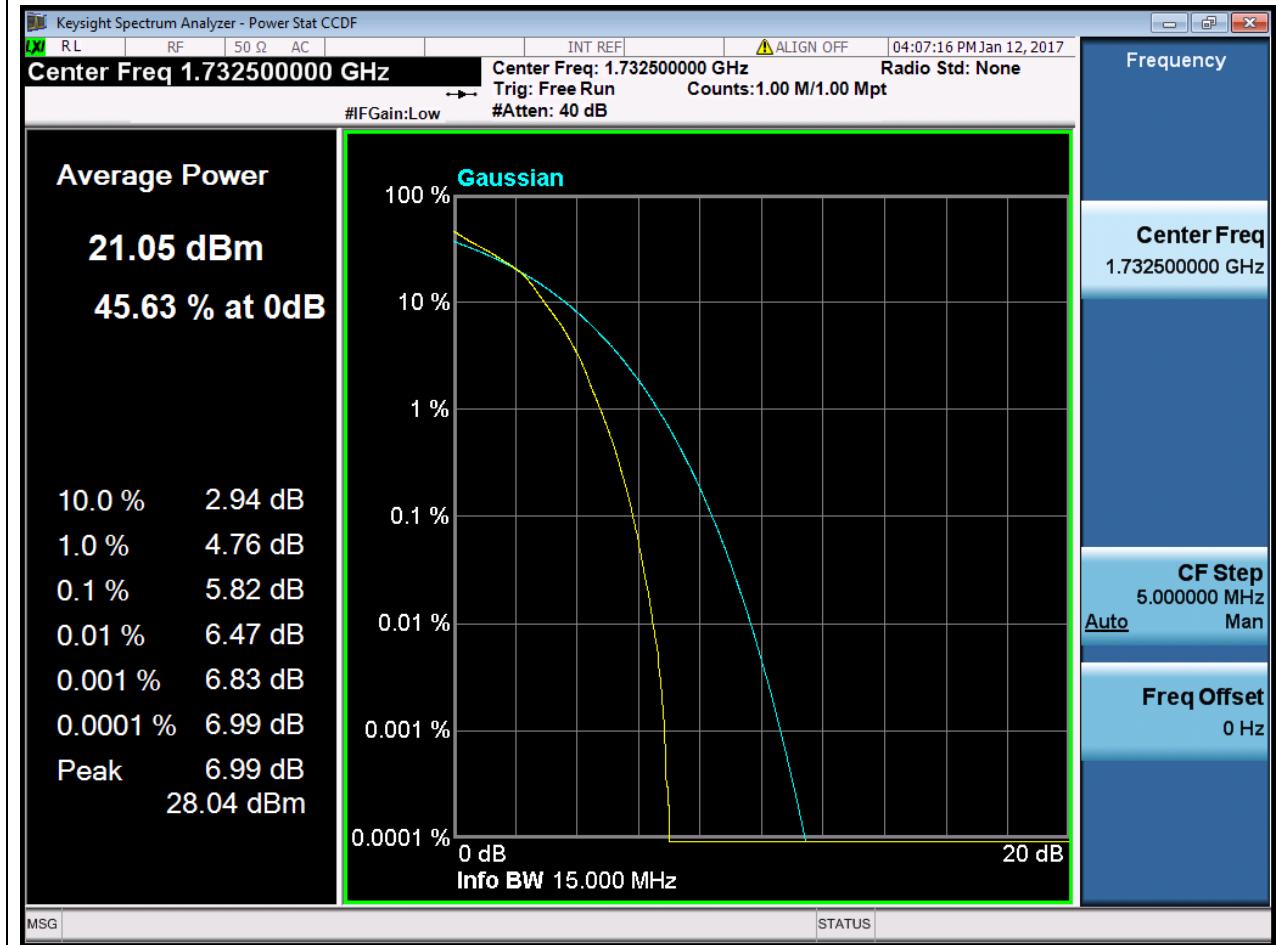
**1.66. LTE Peak to Average Ratio(NTNV)(Subtest:66, Channel:20175, Bandwidth:15, Modulation:16QAM, RB Number: 1, RB Position:HIGH)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	5.24	13	Pass



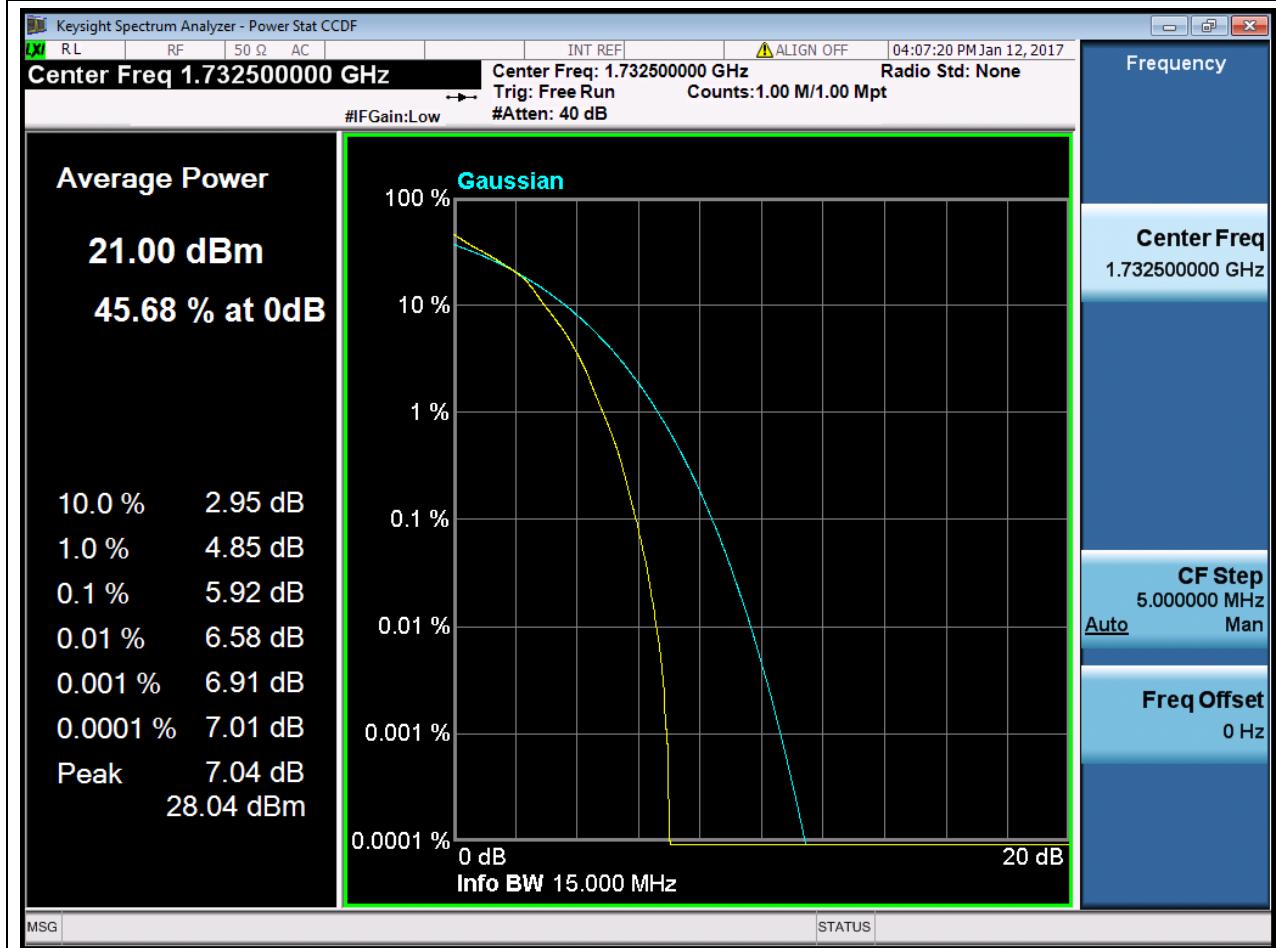
**1.67. LTE Peak to Average Ratio(NTNV)(Subtest:67, Channel:20175, Bandwidth:15, Modulation:16QAM, RB Number: 36, RB Position:LOW)**

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



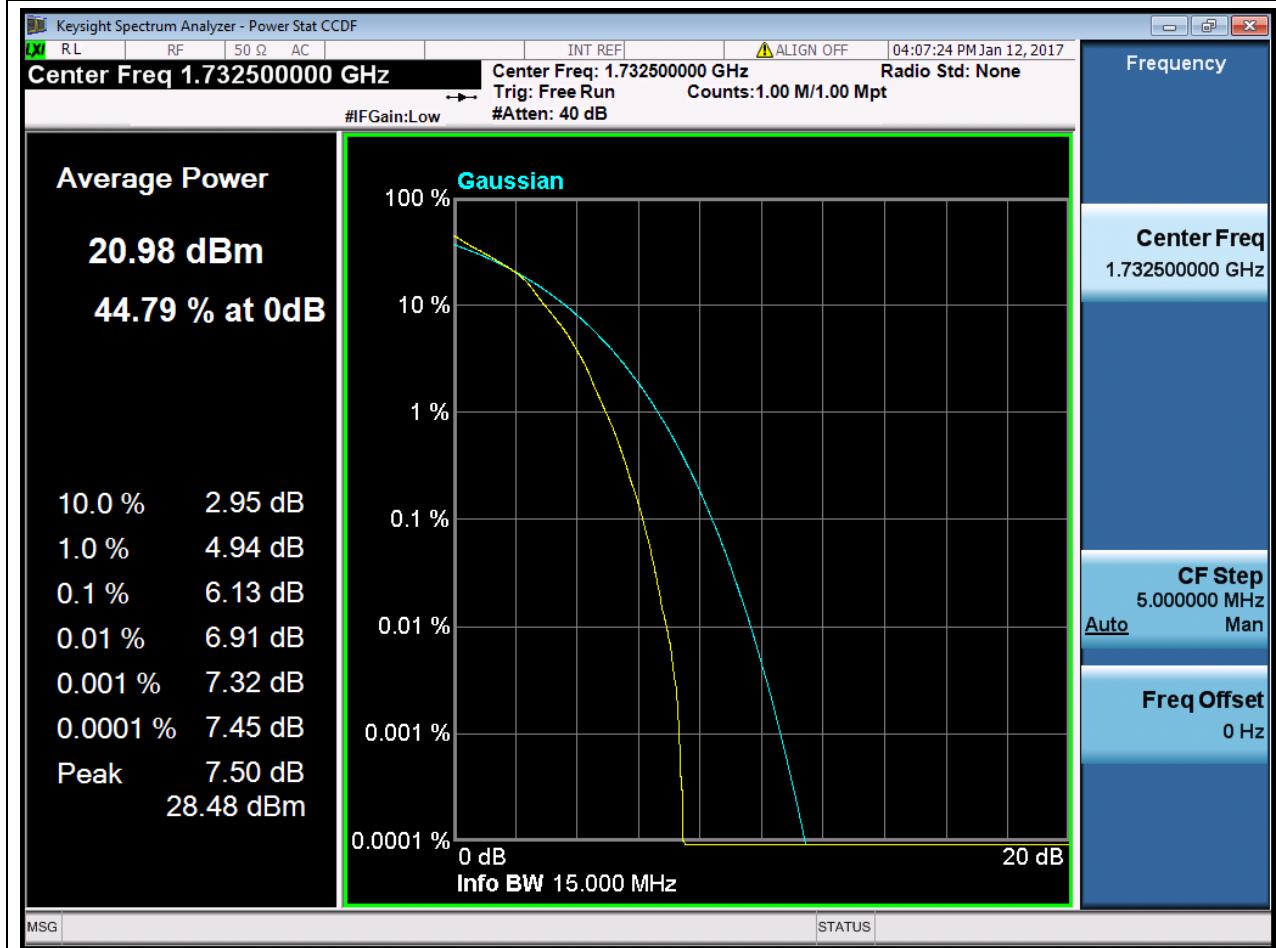
**1.68. LTE Peak to Average Ratio(NTNV)(Subtest:68, Channel:20175, Bandwidth:15, Modulation:16QAM, RB Number: 36, RB Position:MID)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	5.92	13	Pass



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

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	6.13	13	Pass



**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	6.2	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 04:07:28 PM Jan 12, 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 21.03 dBm  
44.55 % at 0dB

10.0 % 2.93 dB  
1.0 % 5.07 dB  
0.1 % 6.20 dB  
0.01 % 6.86 dB  
0.001 % 7.43 dB  
0.0001 % 7.49 dB  
Peak 7.57 dB  
28.60 dBm

Gaussian

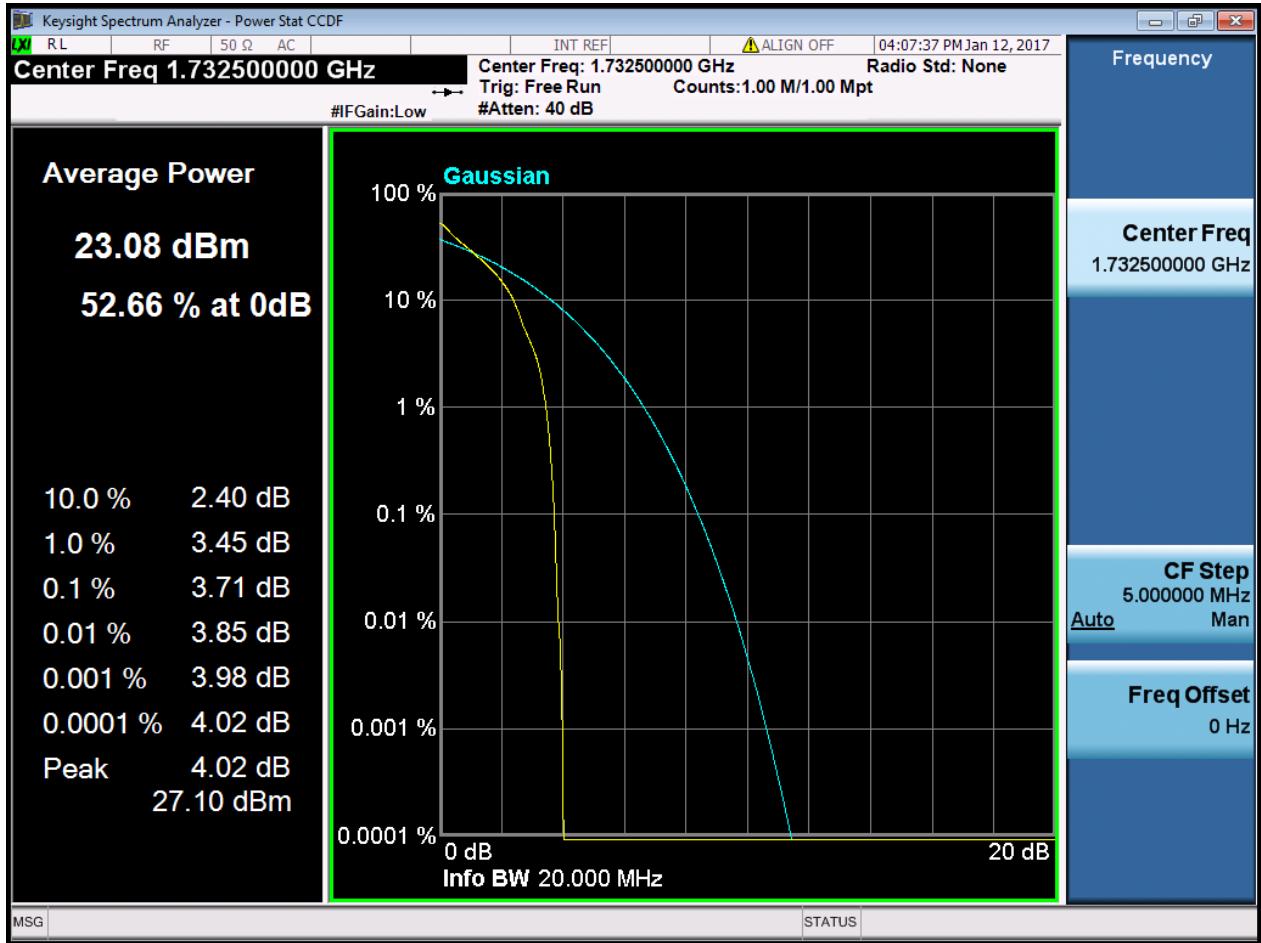


Frequency  
Center Freq 1.732500000 GHz  
CF Step 5.000000 MHz  
Auto Man  
Freq Offset 0 Hz

MSG STATUS

**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	3.71	13	Pass

**Average Power**  
**23.08 dBm**  
**52.66 % at 0dB**

10.0 %	2.40 dB
1.0 %	3.45 dB
0.1 %	3.71 dB
0.01 %	3.85 dB
0.001 %	3.98 dB
0.0001 %	4.02 dB
Peak	4.02 dB
	27.10 dBm

**Gaussian**

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

0 dB      20 dB

Info BW 20.000 MHz

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

CF Step 5.000000 MHz  
 Auto Man

Freq Offset 0 Hz

**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	4.08	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

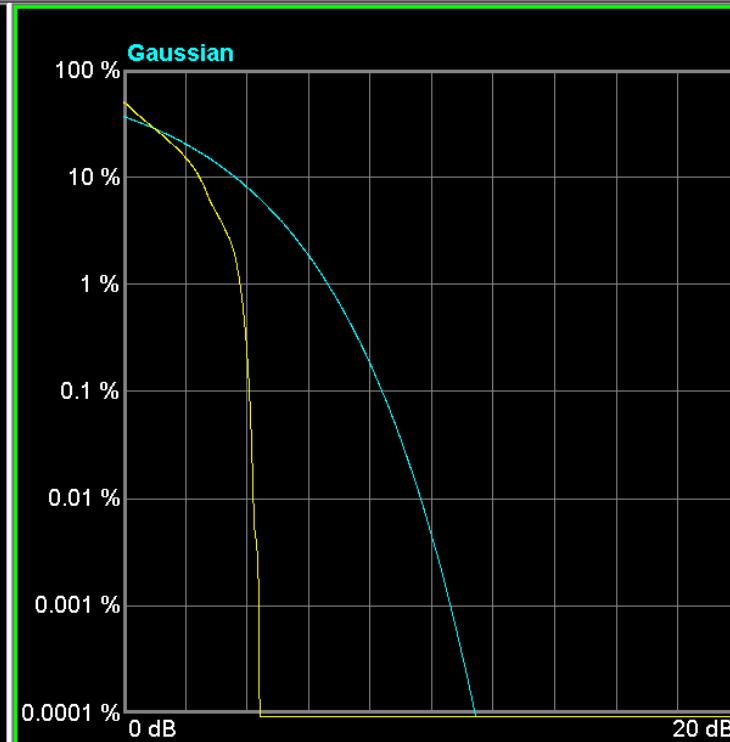
RL RF 50 Ω AC INT REF ALIGN OFF 04:07:41 PM Jan 12, 2017

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 22.95 dBm  
50.10 % at 0dB

10.0 % 2.46 dB  
1.0 % 3.78 dB  
0.1 % 4.08 dB  
0.01 % 4.21 dB  
0.001 % 4.39 dB  
0.0001 % 4.40 dB  
Peak 4.41 dB  
27.36 dBm

Gaussian

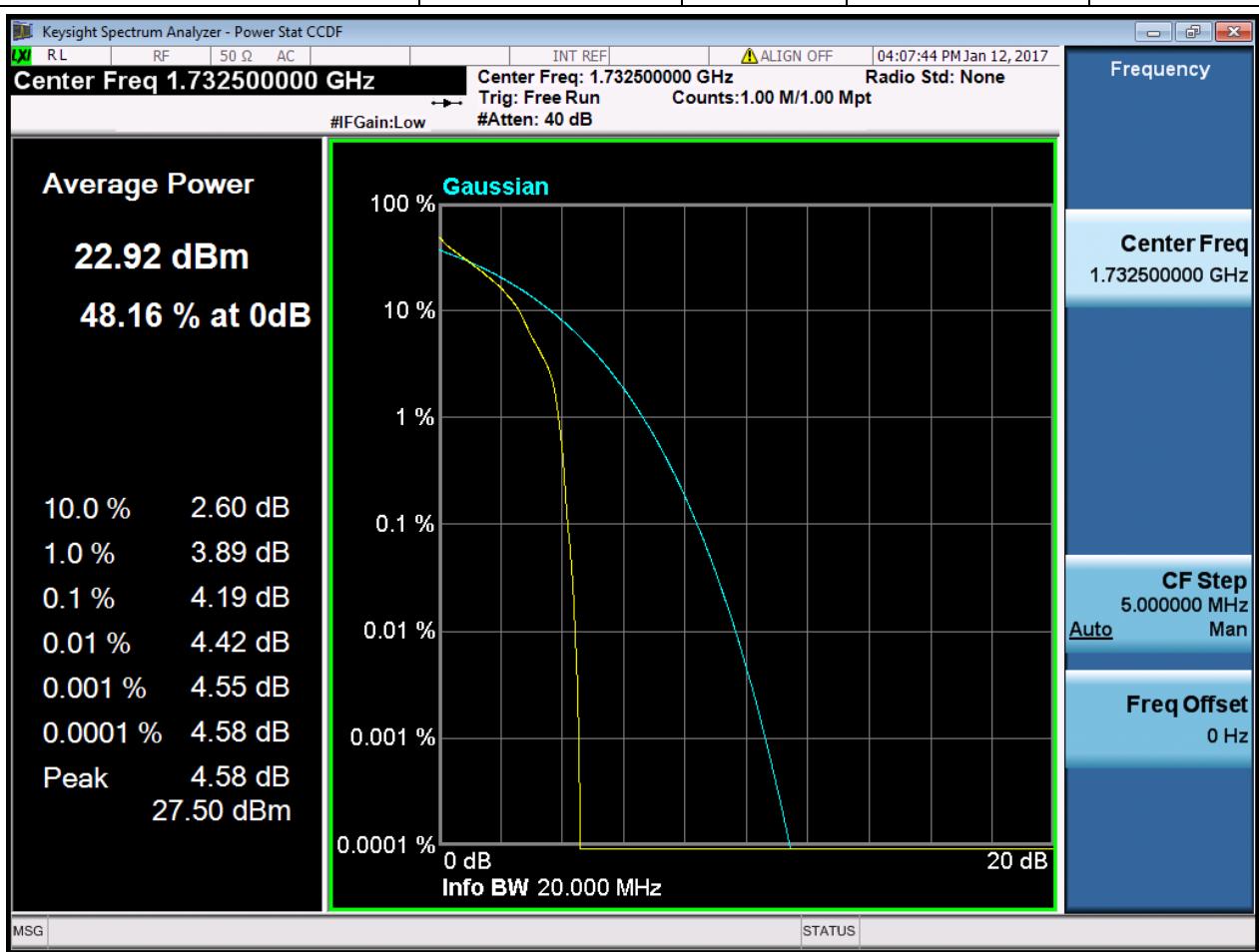


0 dB 20 dB Info BW 20.000 MHz

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

**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	4.19	13	Pass

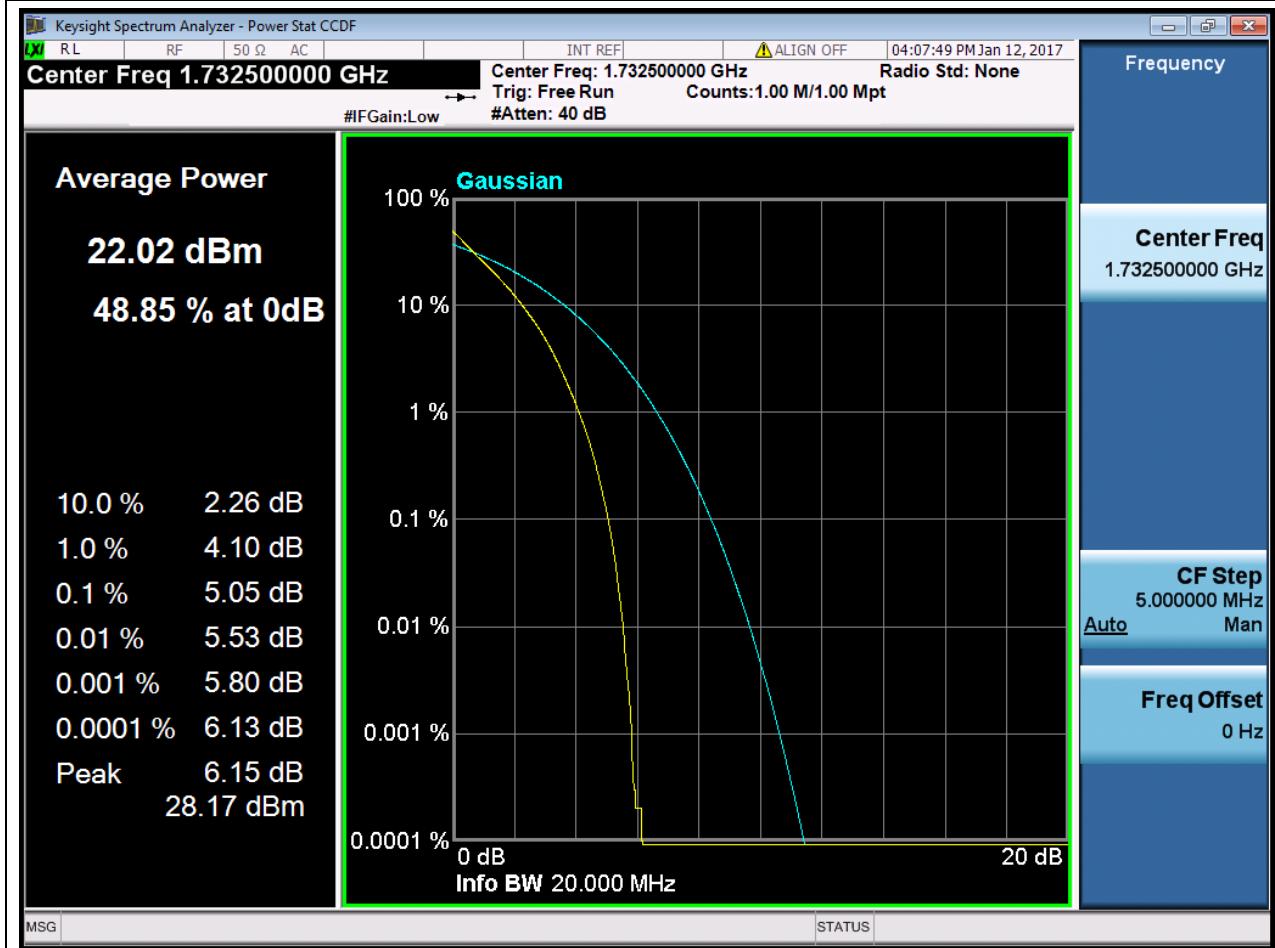


Average Power  
**22.92 dBm**  
**48.16 % at 0dB**

10.0 %	2.60 dB
1.0 %	3.89 dB
0.1 %	4.19 dB
0.01 %	4.42 dB
0.001 %	4.55 dB
0.0001 %	4.58 dB
Peak	4.58 dB
	27.50 dBm

**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	5.05	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	5.22	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

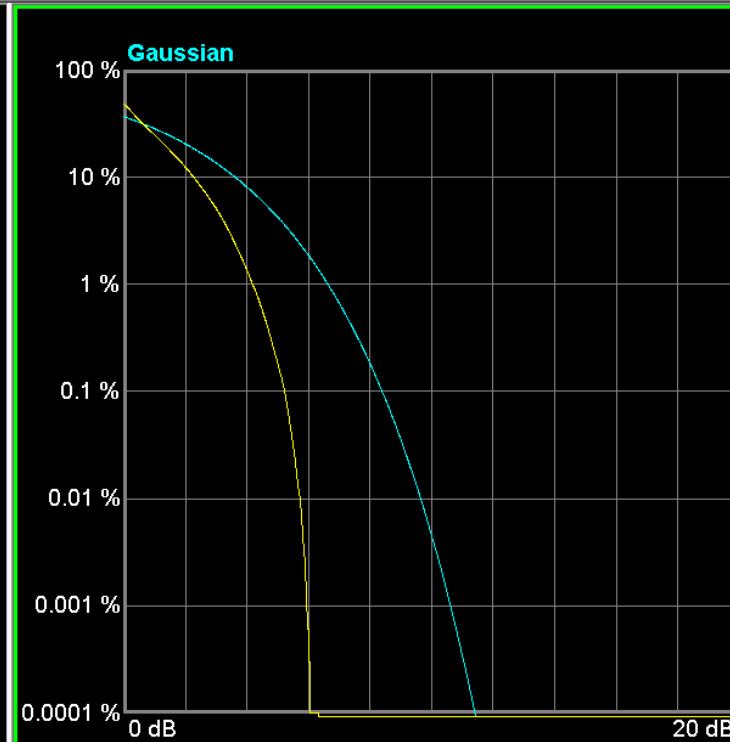
RL RF 50 Ω AC INT REF ALIGN OFF 04:07:52 PM Jan 12, 2017

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 21.98 dBm  
48.04 % at 0dB

10.0 % 2.27 dB  
1.0 % 4.19 dB  
0.1 % 5.22 dB  
0.01 % 5.72 dB  
0.001 % 5.94 dB  
0.0001 % 6.04 dB  
Peak 6.33 dB  
28.31 dBm

Gaussian



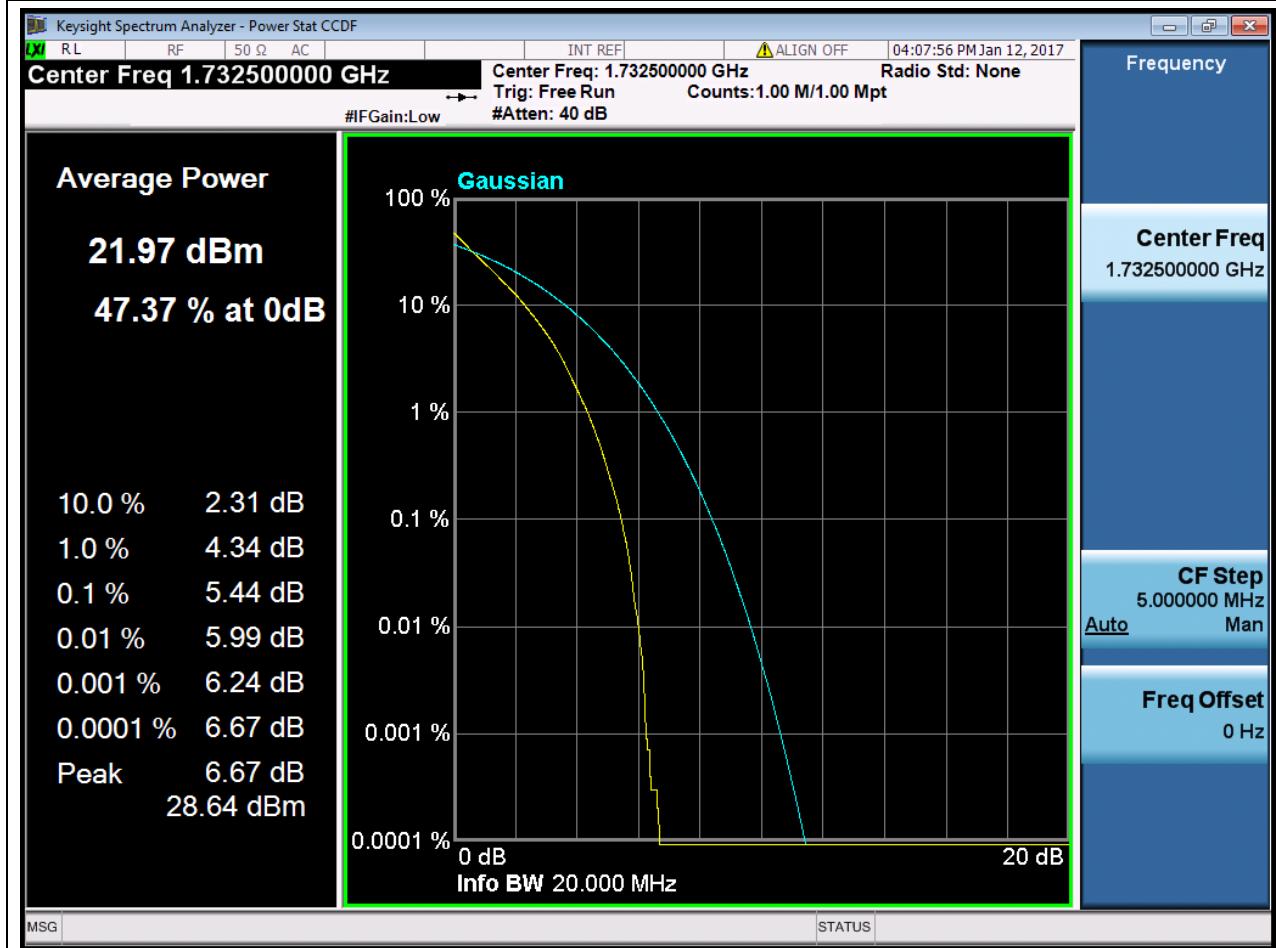
0.0001 % 0 dB 20 dB Info BW 20.000 MHz

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

MSG STATUS

**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	5.44	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	5.39	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

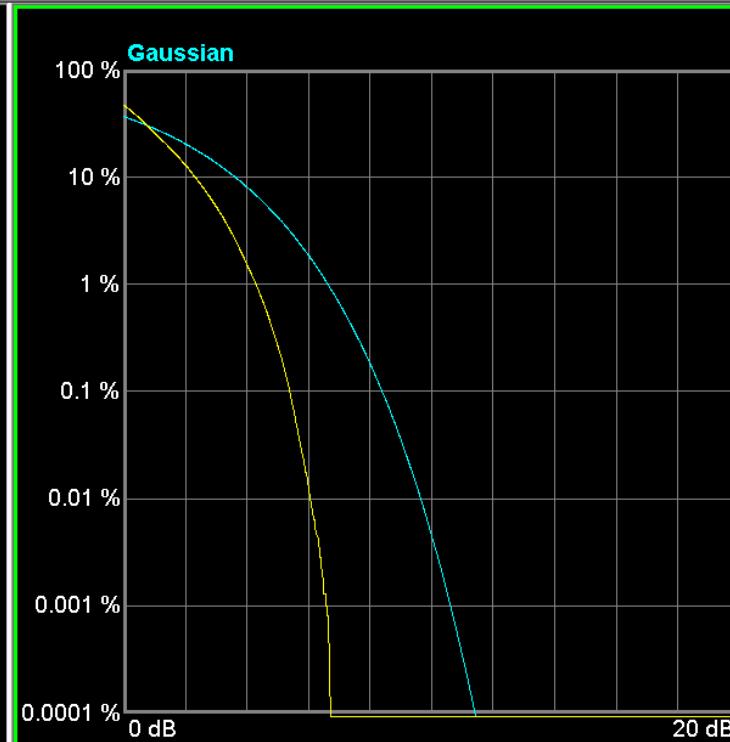
RL RF 50 Ω AC INT REF ALIGN OFF 04:08:00 PM Jan 12, 2017

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 22.01 dBm  
47.10 % at 0dB

10.0 % 2.32 dB  
1.0 % 4.29 dB  
0.1 % 5.39 dB  
0.01 % 6.06 dB  
0.001 % 6.57 dB  
0.0001 % 6.71 dB  
Peak 6.71 dB  
28.72 dBm

Gaussian



0 dB 20 dB Info BW 20.000 MHz

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

MSG STATUS

**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	4.63	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 04:08:04 PM Jan 12, 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 22.27 dBm  
48.03 % at 0dB

10.0 % 2.66 dB  
1.0 % 4.22 dB  
0.1 % 4.63 dB  
0.01 % 4.79 dB  
0.001 % 4.83 dB  
0.0001 % 4.86 dB  
Peak 4.87 dB  
27.14 dBm

Gaussian



0 dB 20 dB  
Info BW 20.000 MHz

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

MSG STATUS

**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	4.92	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 04:08:08 PM Jan 12, 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 22.24 dBm  
46.50 % at 0dB

10.0 % 2.67 dB  
1.0 % 4.44 dB  
0.1 % 4.92 dB  
0.01 % 5.11 dB  
0.001 % 5.36 dB  
0.0001 % 5.37 dB  
Peak 5.37 dB  
27.61 dBm

Gaussian



0.0001 % 0 dB 20 dB Info BW 20.000 MHz

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

MSG STATUS

**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	5.08	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 04:08:12 PM Jan 12, 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 22.26 dBm  
44.81 % at 0dB

10.0 % 2.76 dB  
1.0 % 4.66 dB  
0.1 % 5.08 dB  
0.01 % 5.38 dB  
0.001 % 5.49 dB  
0.0001 % 5.51 dB  
Peak 5.55 dB  
27.81 dBm

Gaussian

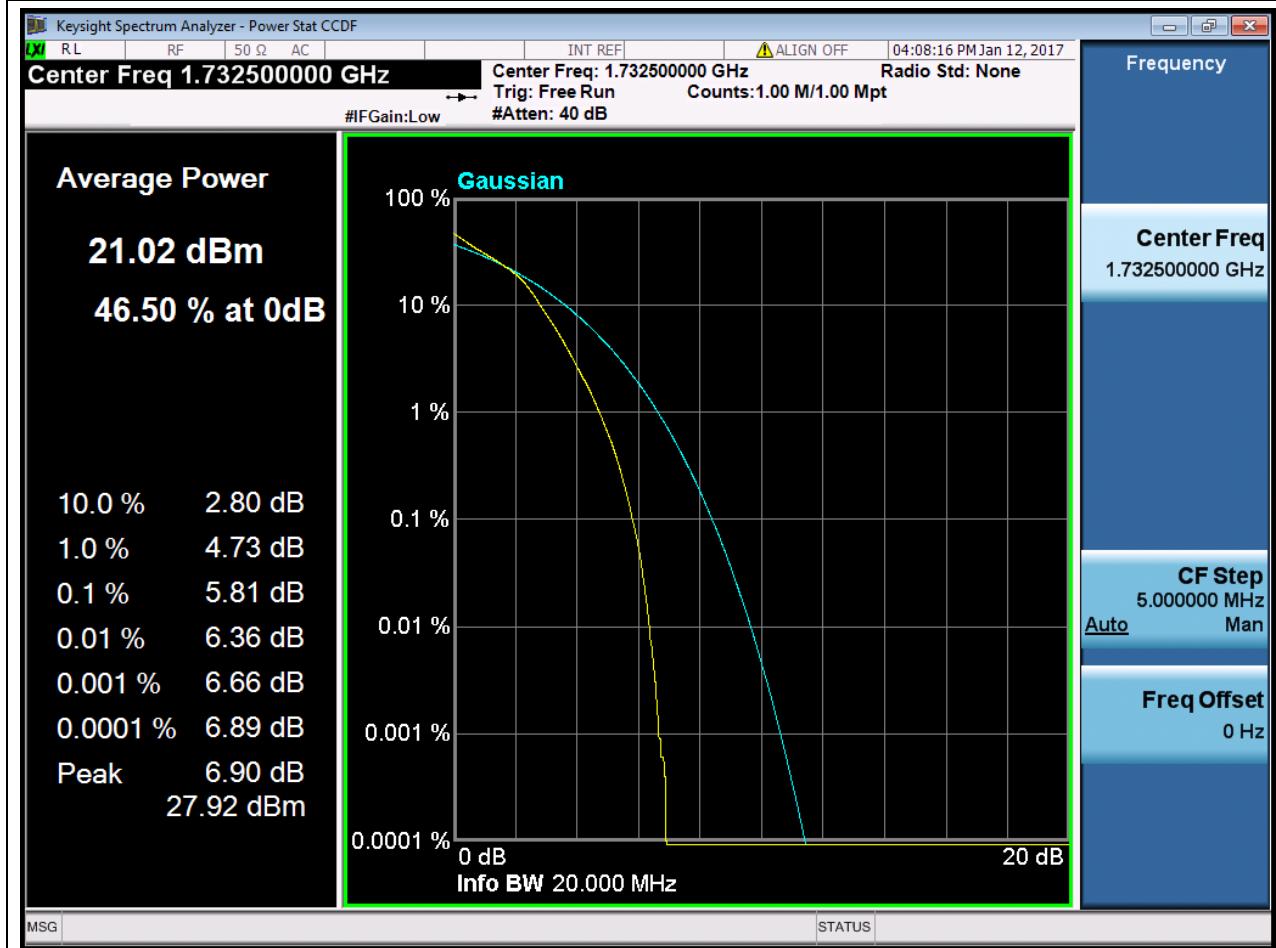


Frequency  
Center Freq 1.732500000 GHz  
CF Step 5.000000 MHz  
Auto Man  
Freq Offset 0 Hz

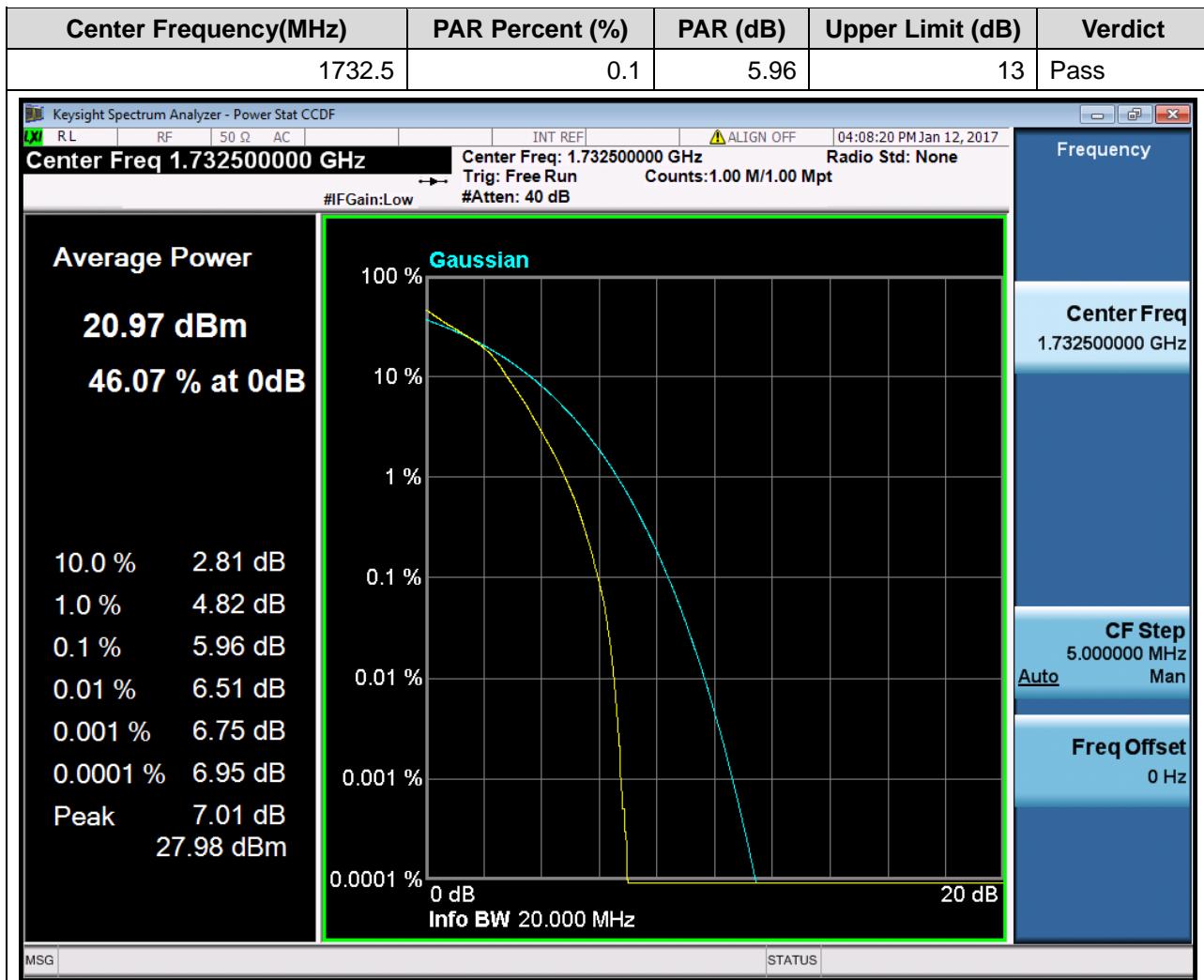
MSG STATUS

**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	5.81	13	Pass



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



**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	6.18	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 04:08:24 PM Jan 12, 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  
**20.94 dBm**  
**45.60 % at 0dB**

10.0 % 2.83 dB  
1.0 % 4.94 dB  
0.1 % 6.18 dB  
0.01 % 6.83 dB  
0.001 % 7.13 dB  
0.0001 % 7.22 dB  
Peak 7.37 dB  
28.31 dBm

Gaussian

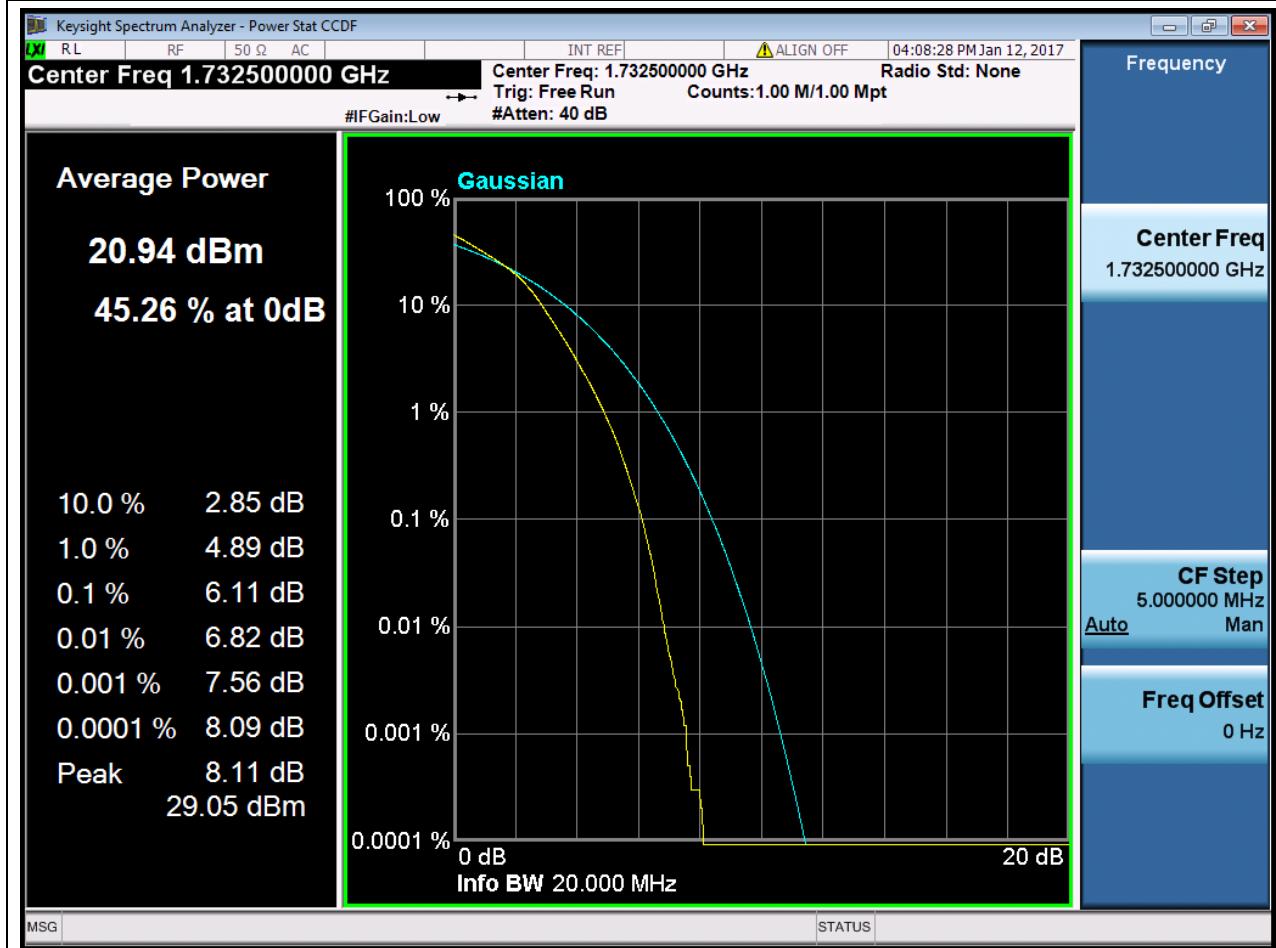


Frequency  
Center Freq 1.732500000 GHz  
CF Step 5.000000 MHz  
Auto Man  
Freq Offset 0 Hz

MSG STATUS

**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	6.11	13	Pass



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END