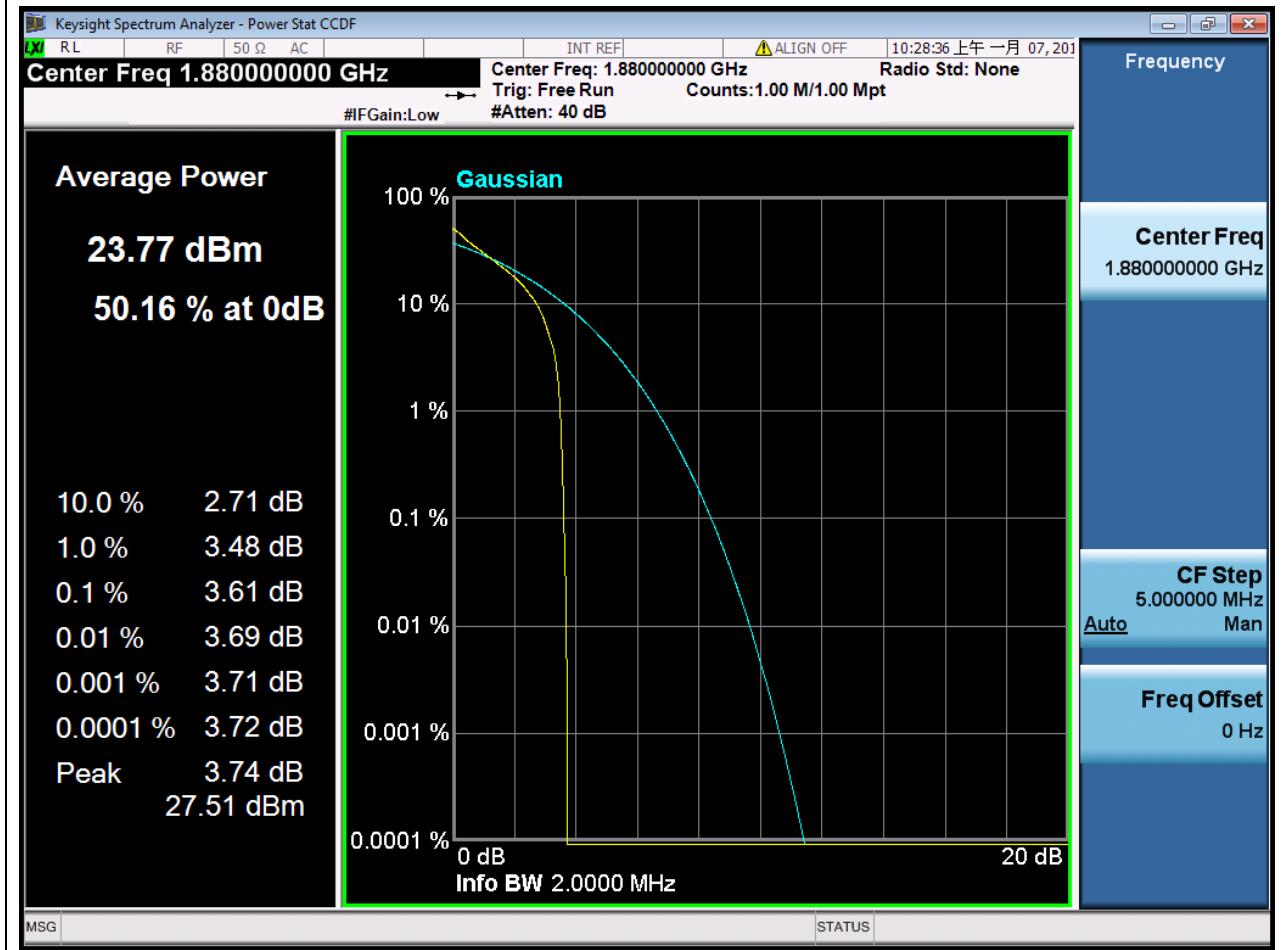


## Annex B. LTE Peak to Average Ratio

## 1. LTE\_Band2

**1.1. LTE Peak to Average Ratio(NTNV)(Subtest:1, Channel:18900, Bandwidth:1.4, Modulation:QPSK, RB Number: 1, RB Position:LOW)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	3.61	13	Pass



**1.2. LTE Peak to Average Ratio(NTNV)(Subtest:2, Channel:18900, Bandwidth:1.4, Modulation:QPSK, RB Number: 1, RB Position:MID)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	3.59	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 10:28:40 上午 一月 07, 201

Center Freq 1.880000000 GHz Center Freq: 1.880000000 GHz Radio Std: None  
Trig: Free Run Counts: 1.00 M/1.00 Mpt  
#IFGain:Low #Atten: 40 dB

Average Power  
**23.68 dBm**  
**50.83 % at 0dB**

10.0 % 2.86 dB  
1.0 % 3.52 dB  
0.1 % 3.59 dB  
0.01 % 3.63 dB  
0.001 % 3.66 dB  
0.0001 % 3.69 dB  
Peak 3.97 dB  
27.65 dBm

Gaussian



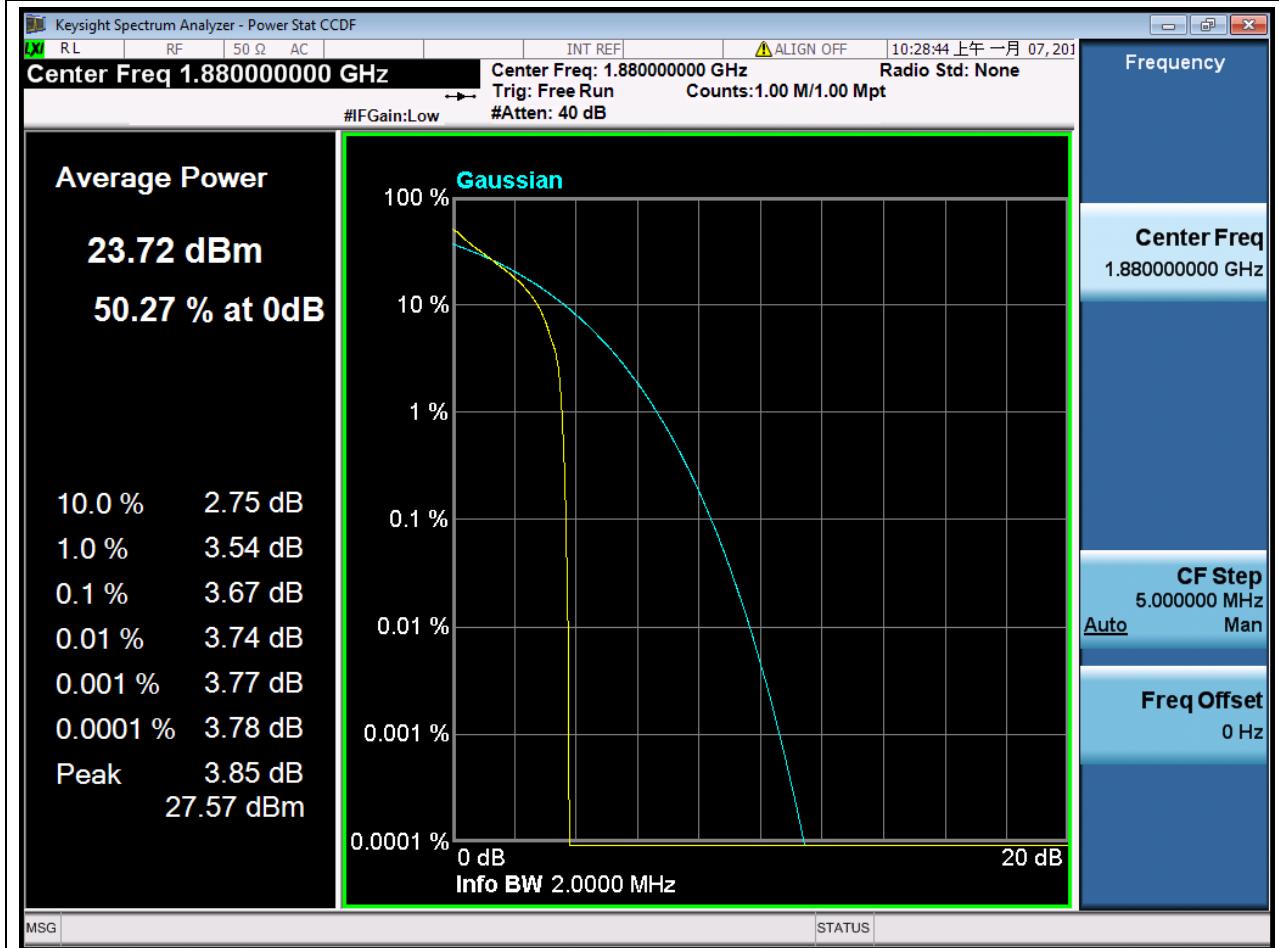
0.0001 % 0 dB 20 dB  
Info BW 2.0000 MHz

Frequency  
Center Freq 1.880000000 GHz  
CF Step 5.000000 MHz  
Auto Man  
Freq Offset 0 Hz

MSG STATUS

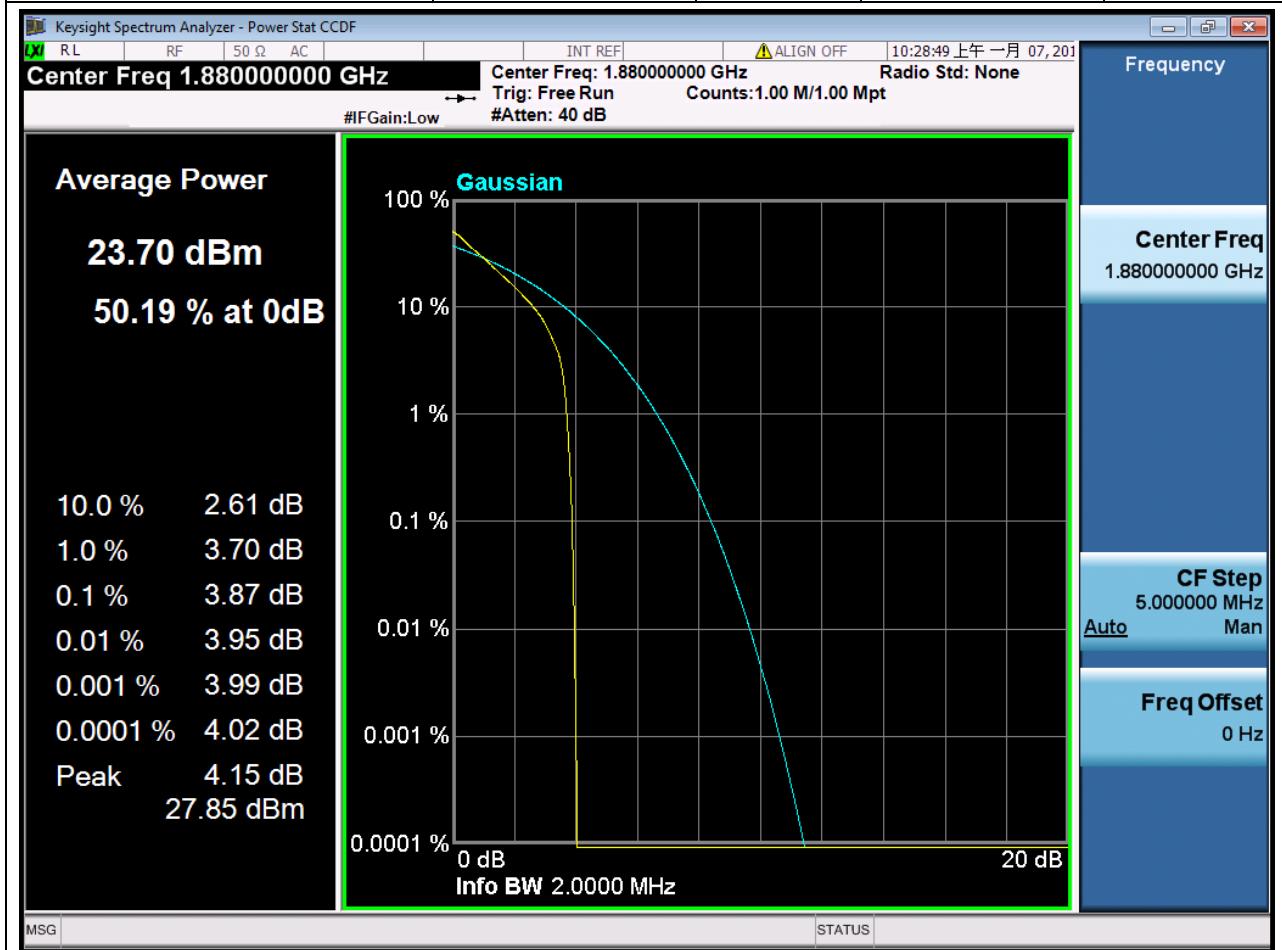
**1.3. LTE Peak to Average Ratio(NTNV)(Subtest:3, Channel:18900, Bandwidth:1.4, Modulation:QPSK, RB Number: 1, RB Position:HIGH)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	3.67	13	Pass



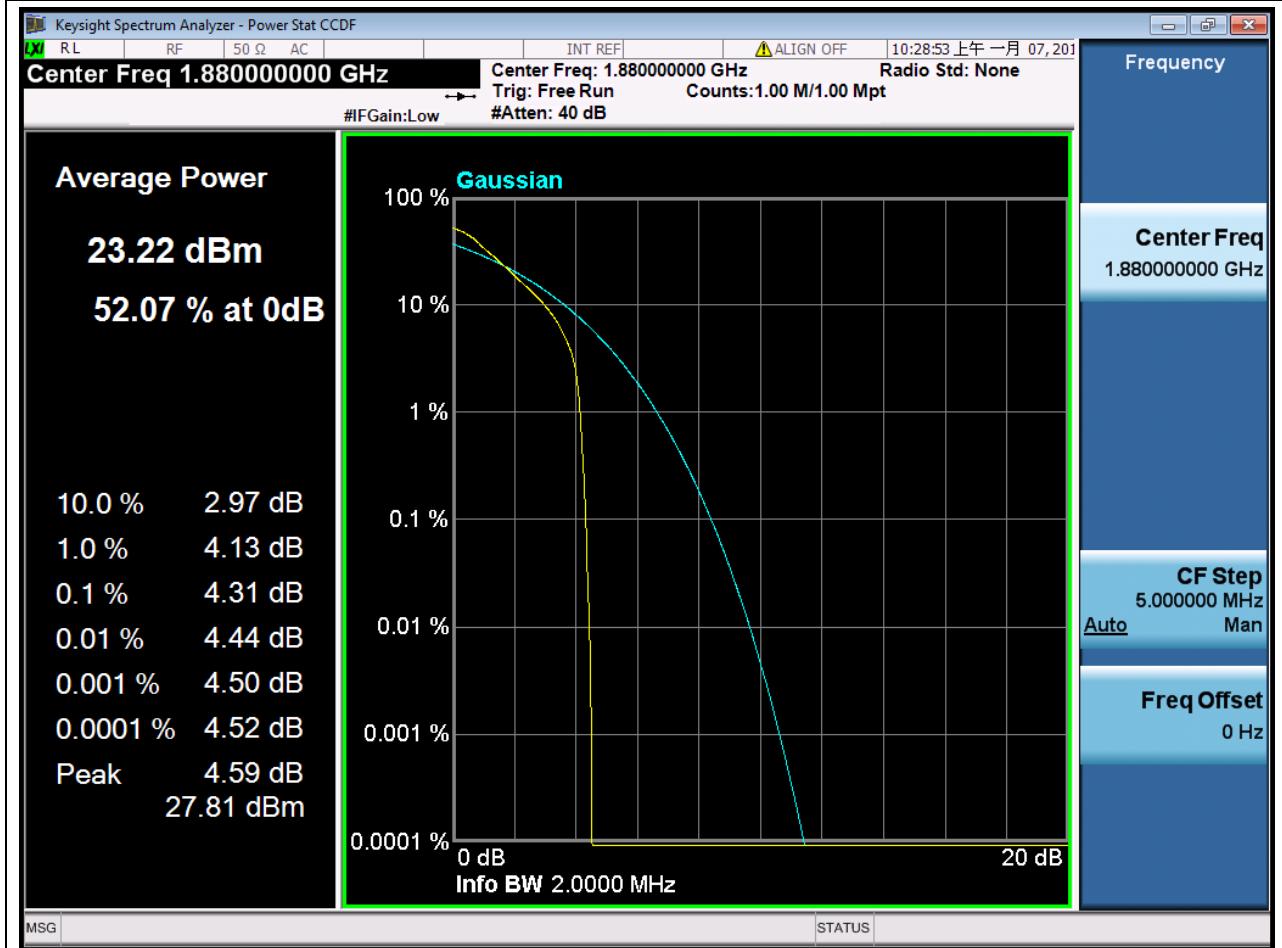
**1.4. LTE Peak to Average Ratio(NTNV)(Subtest:4, Channel:18900, Bandwidth:1.4, Modulation:QPSK, RB Number: 3, RB Position:LOW)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	3.87	13	Pass



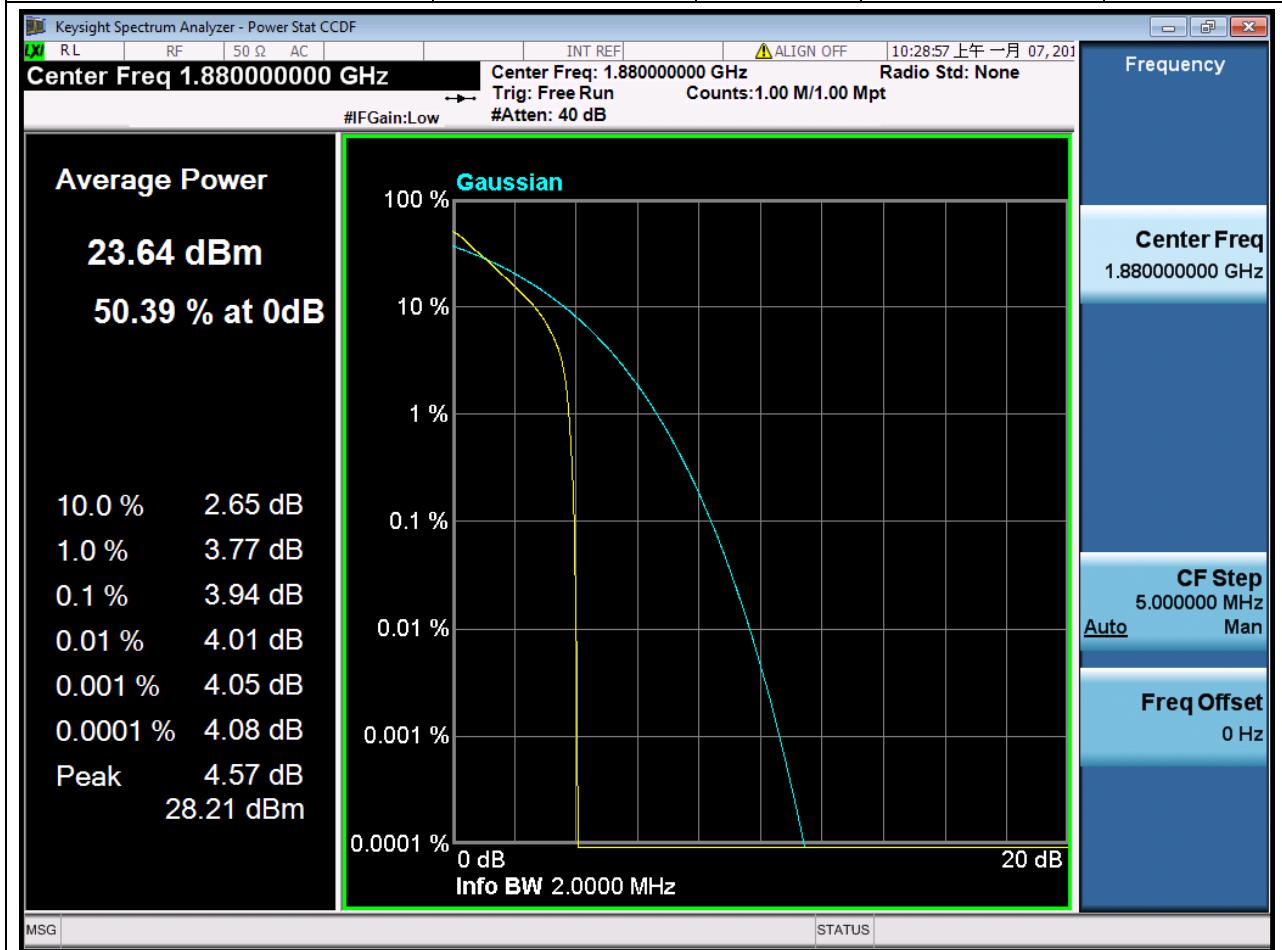
**1.5. LTE Peak to Average Ratio(NTNV)(Subtest:5, Channel:18900, Bandwidth:1.4, Modulation:QPSK, RB Number: 3, RB Position:MID)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	4.31	13	Pass



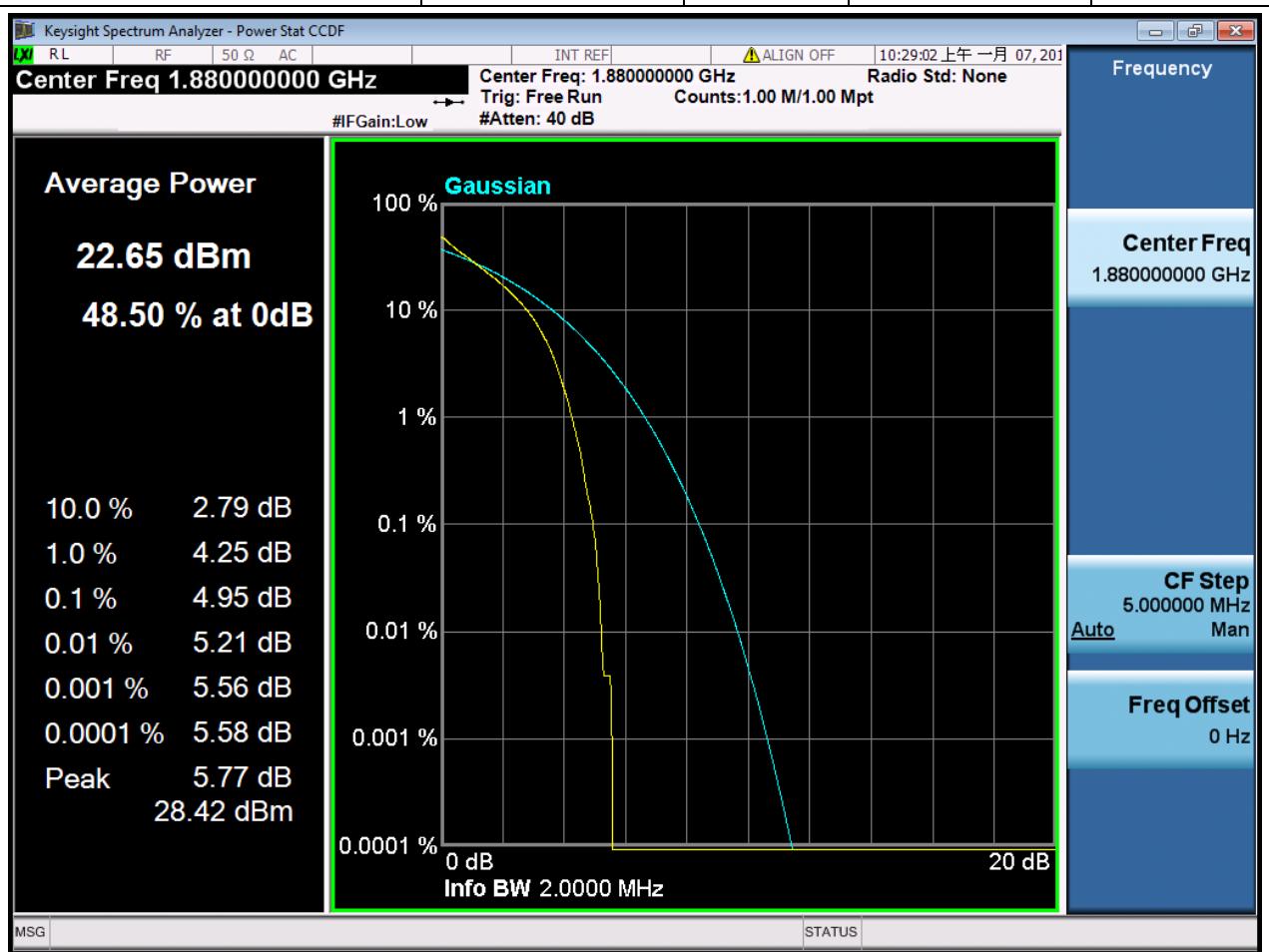
**1.6. LTE Peak to Average Ratio(NTNV)(Subtest:6, Channel:18900, Bandwidth:1.4, Modulation:QPSK, RB Number: 3, RB Position:HIGH)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	3.94	13	Pass



**1.7. LTE Peak to Average Ratio(NTNV)(Subtest:7, Channel:18900, Bandwidth:1.4, Modulation:QPSK, RB Number: 6, RB Position:LOW)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	4.95	13	Pass



**Average Power**  
**22.65 dBm**  
**48.50 % at 0dB**

10.0 %	2.79 dB
1.0 %	4.25 dB
0.1 %	4.95 dB
0.01 %	5.21 dB
0.001 %	5.56 dB
0.0001 %	5.58 dB
Peak	5.77 dB
	28.42 dBm

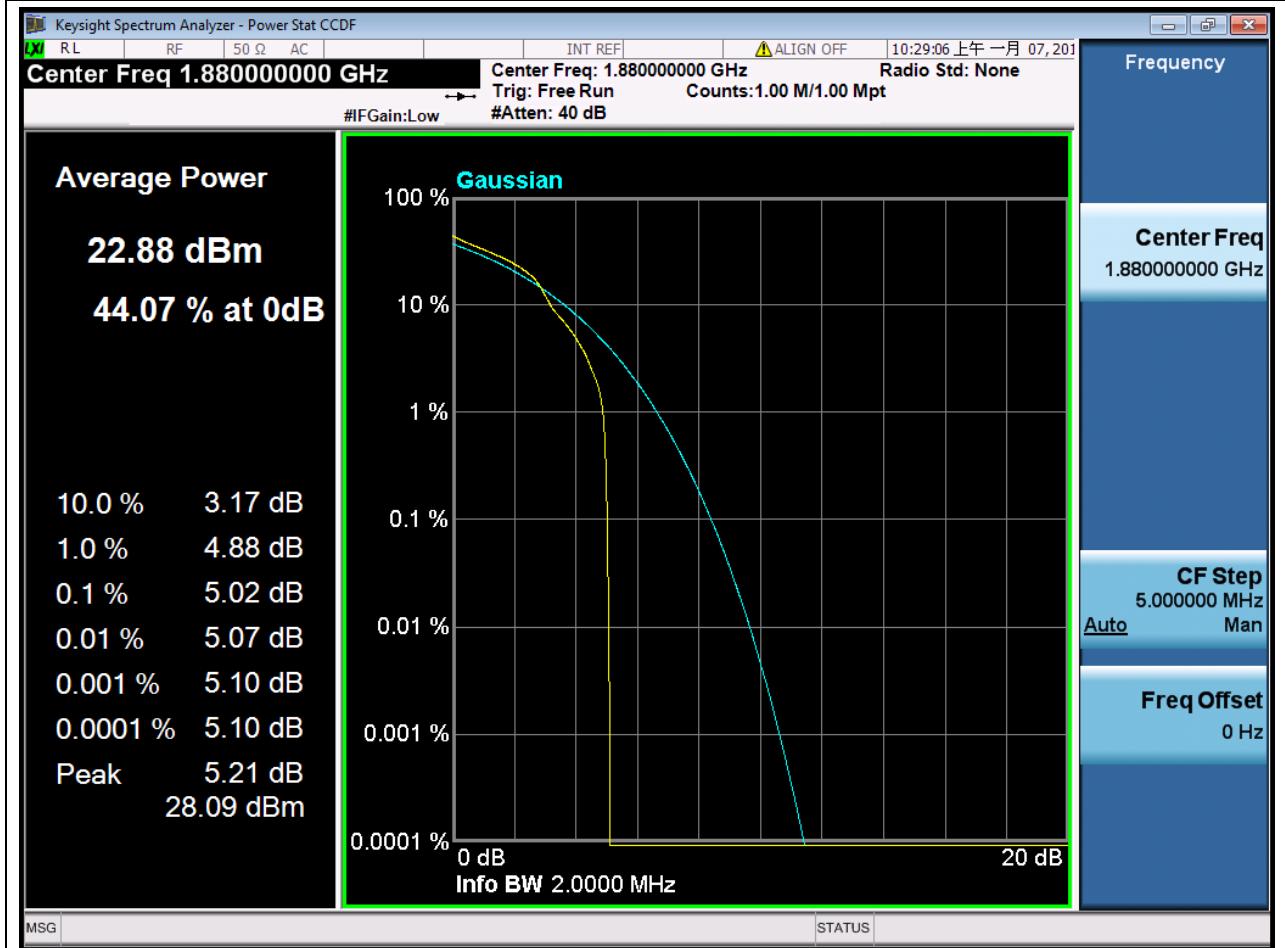
**Gaussian**

Center Freq 1.880000000 GHz  
Radio Std: None  
Trig: Free Run Counts:1.00 M/1.00 Mpt  
#IFGain:Low #Atten: 40 dB

Frequency  
Center Freq 1.880000000 GHz  
CF Step 5.000000 MHz  
Auto Man  
Freq Offset 0 Hz

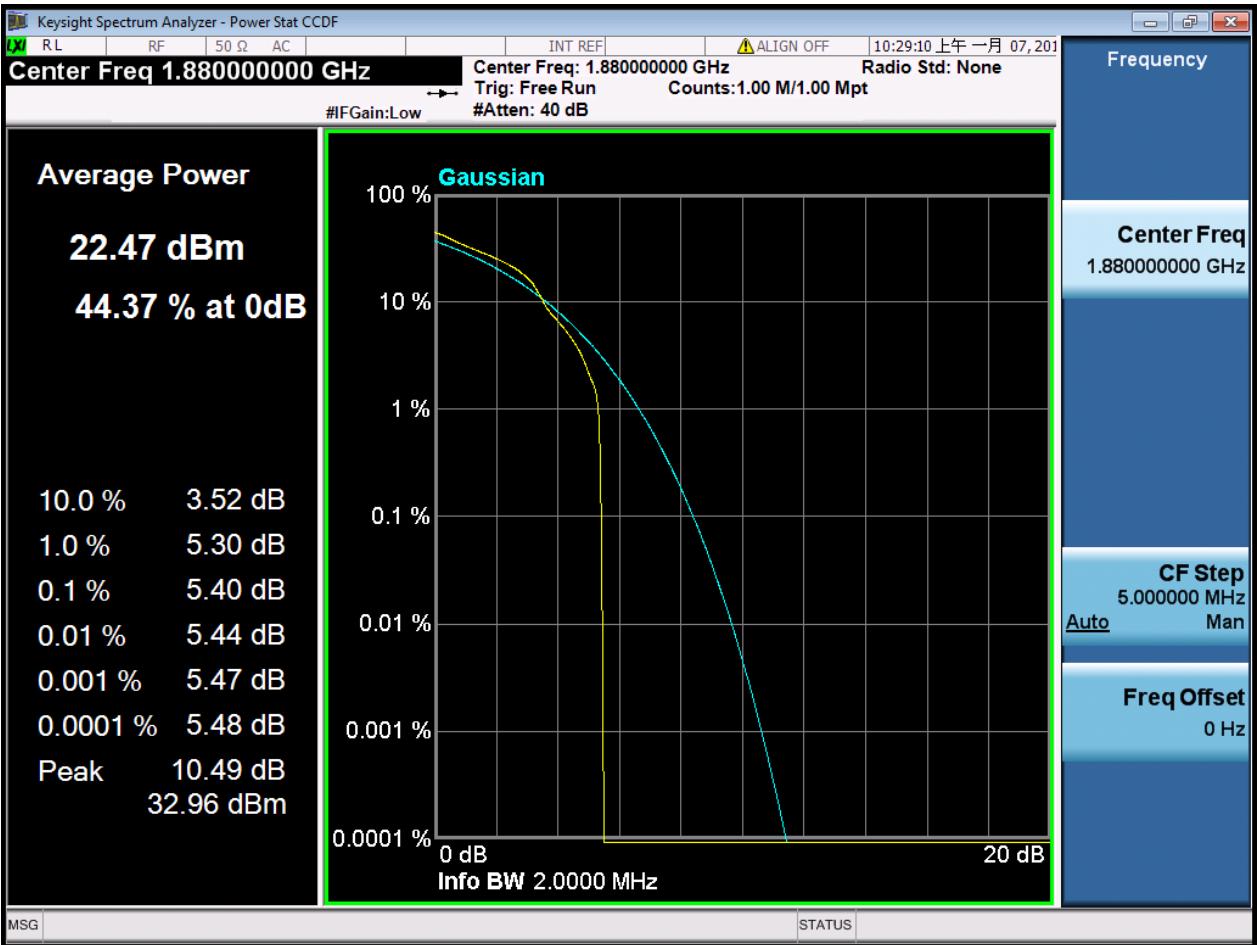
**1.8. LTE Peak to Average Ratio(NTNV)(Subtest:8, Channel:18900, Bandwidth:1.4, Modulation:Q16, RB Number: 1, RB Position:LOW)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	5.02	13	Pass



**1.9. LTE Peak to Average Ratio(NTNV)(Subtest:9, Channel:18900, Bandwidth:1.4, Modulation:Q16, RB Number: 1, RB Position:MID)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	5.4	13	Pass



Average Power  
**22.47 dBm**  
**44.37 % at 0dB**

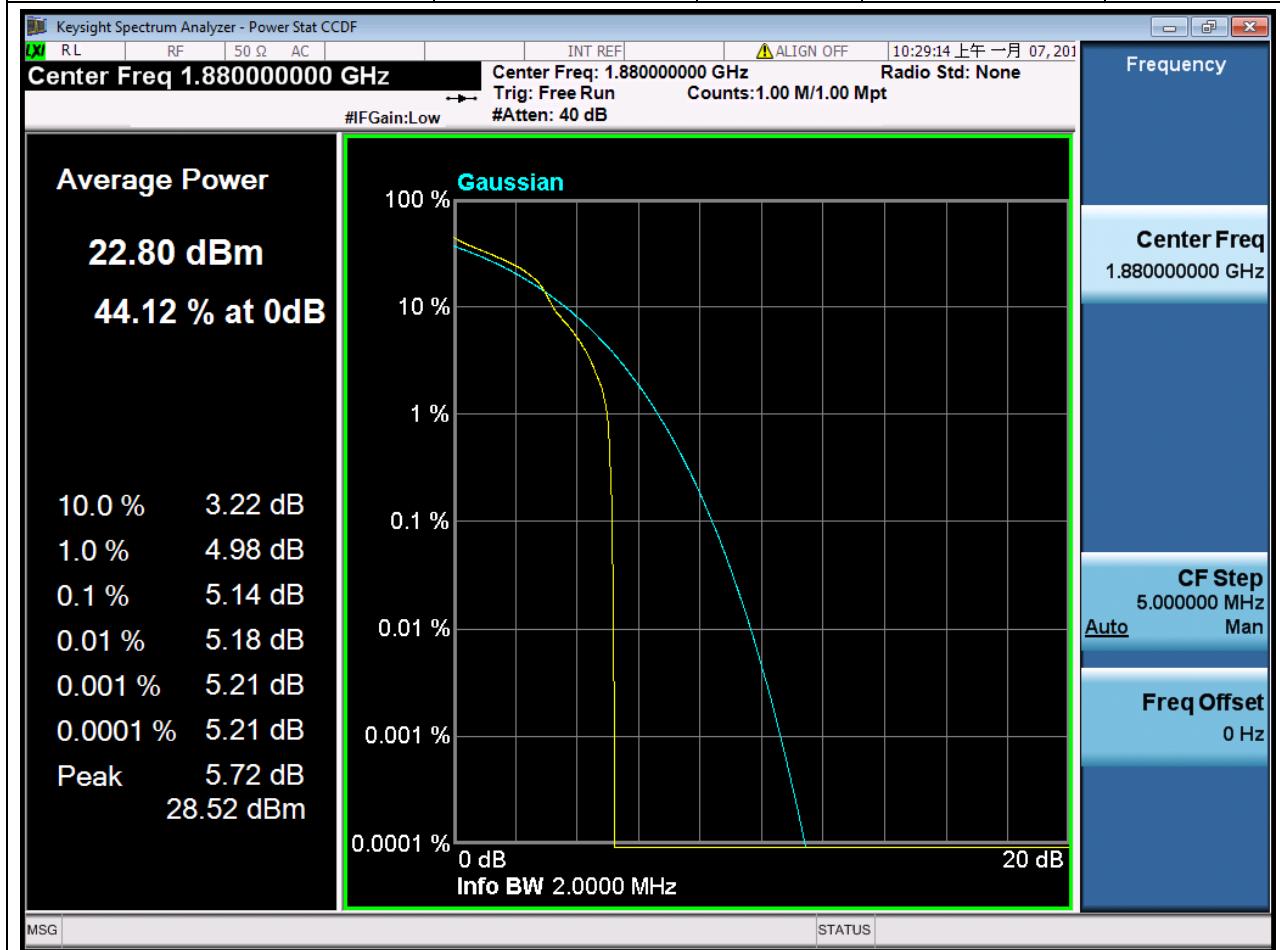
10.0 %	3.52 dB
1.0 %	5.30 dB
0.1 %	5.40 dB
0.01 %	5.44 dB
0.001 %	5.47 dB
0.0001 %	5.48 dB
Peak	10.49 dB
	32.96 dBm

Info BW 2.0000 MHz

MSG STATUS

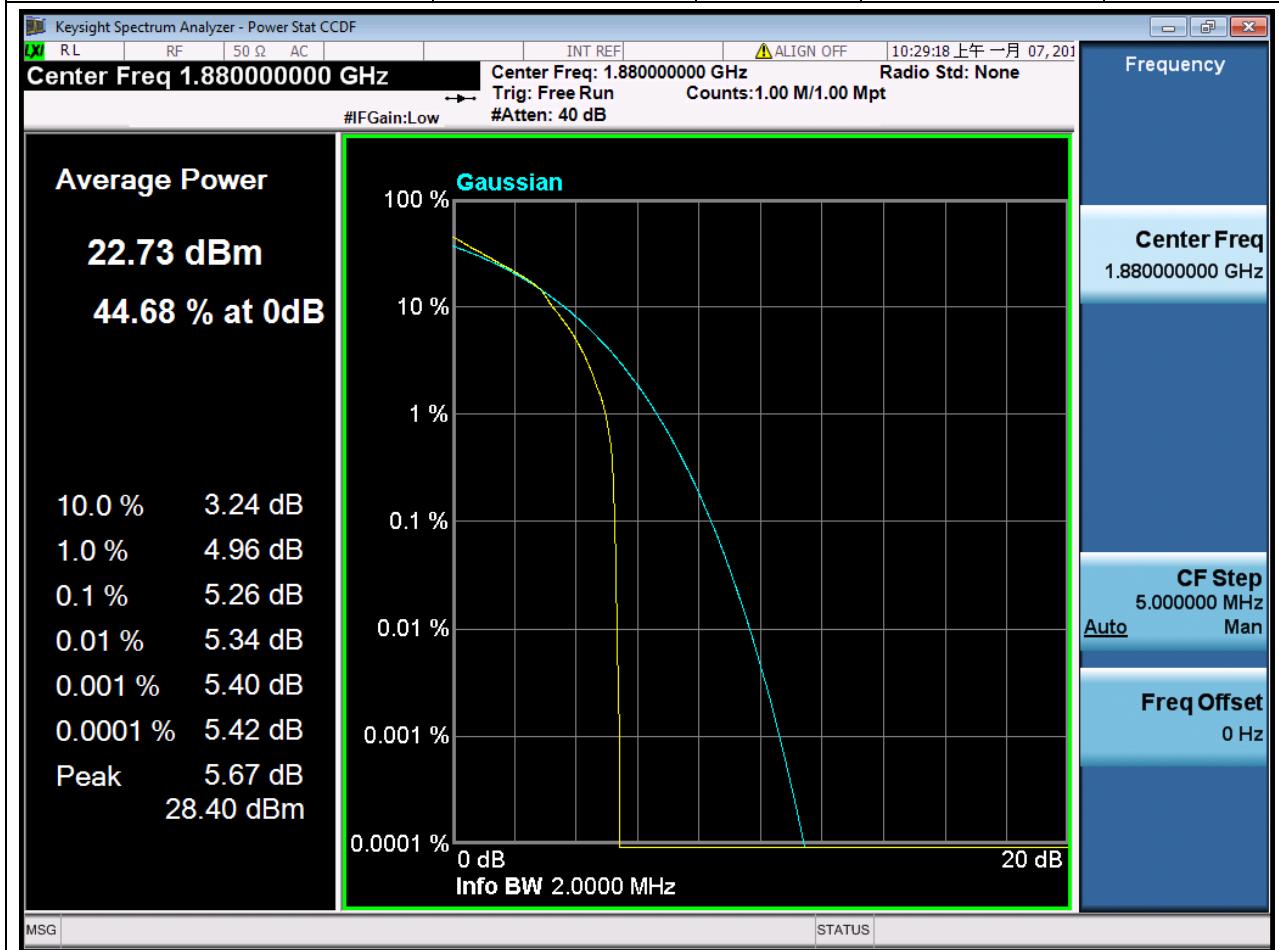
**1.10. LTE Peak to Average Ratio(NTNV)(Subtest:10, Channel:18900, Bandwidth:1.4, Modulation:Q16, RB Number: 1, RB Position:HIGH)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	5.14	13	Pass



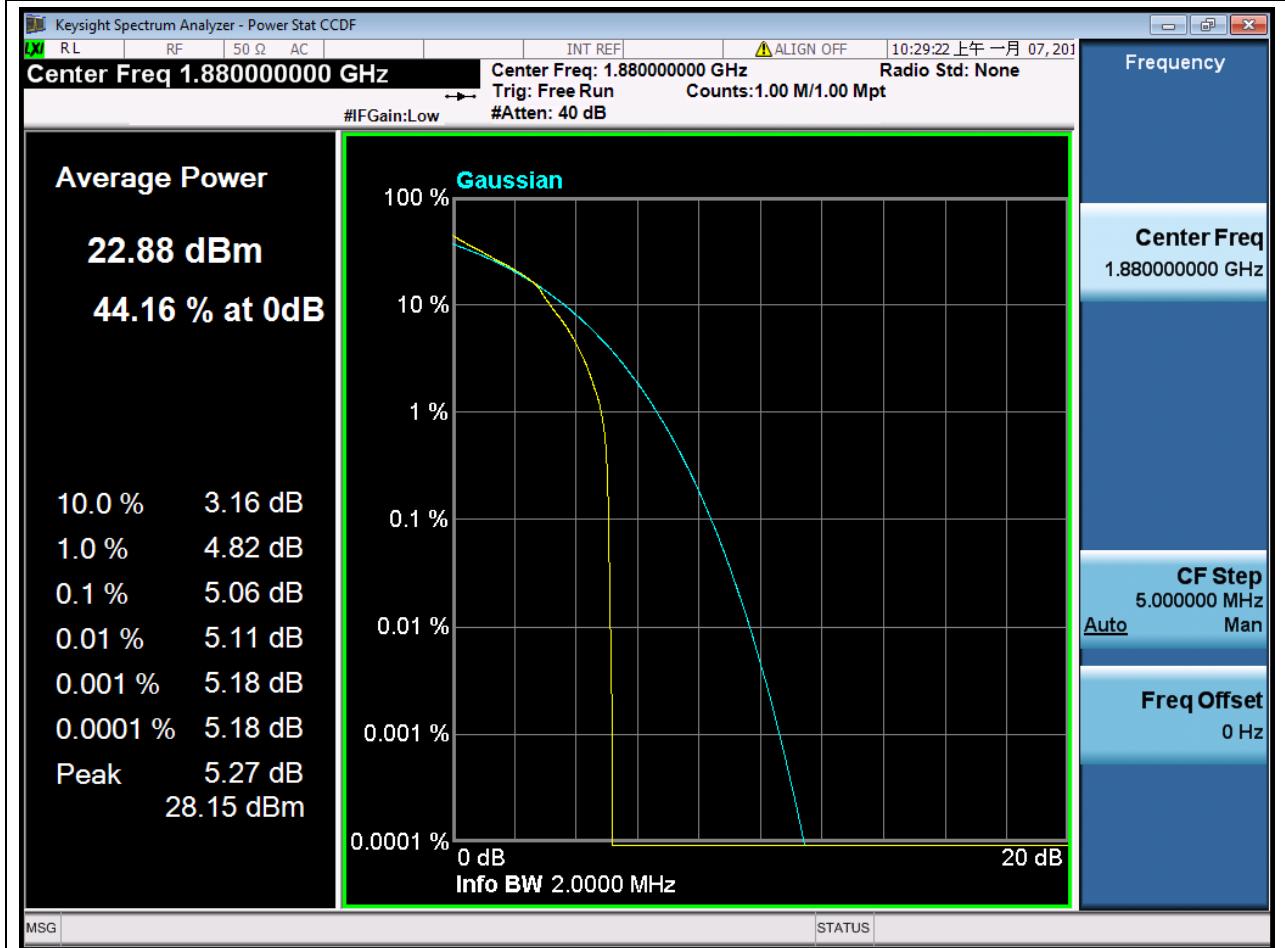
**1.11. LTE Peak to Average Ratio(NTNV)(Subtest:11, Channel:18900, Bandwidth:1.4, Modulation:Q16, RB Number: 3, RB Position:LOW)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	5.26	13	Pass



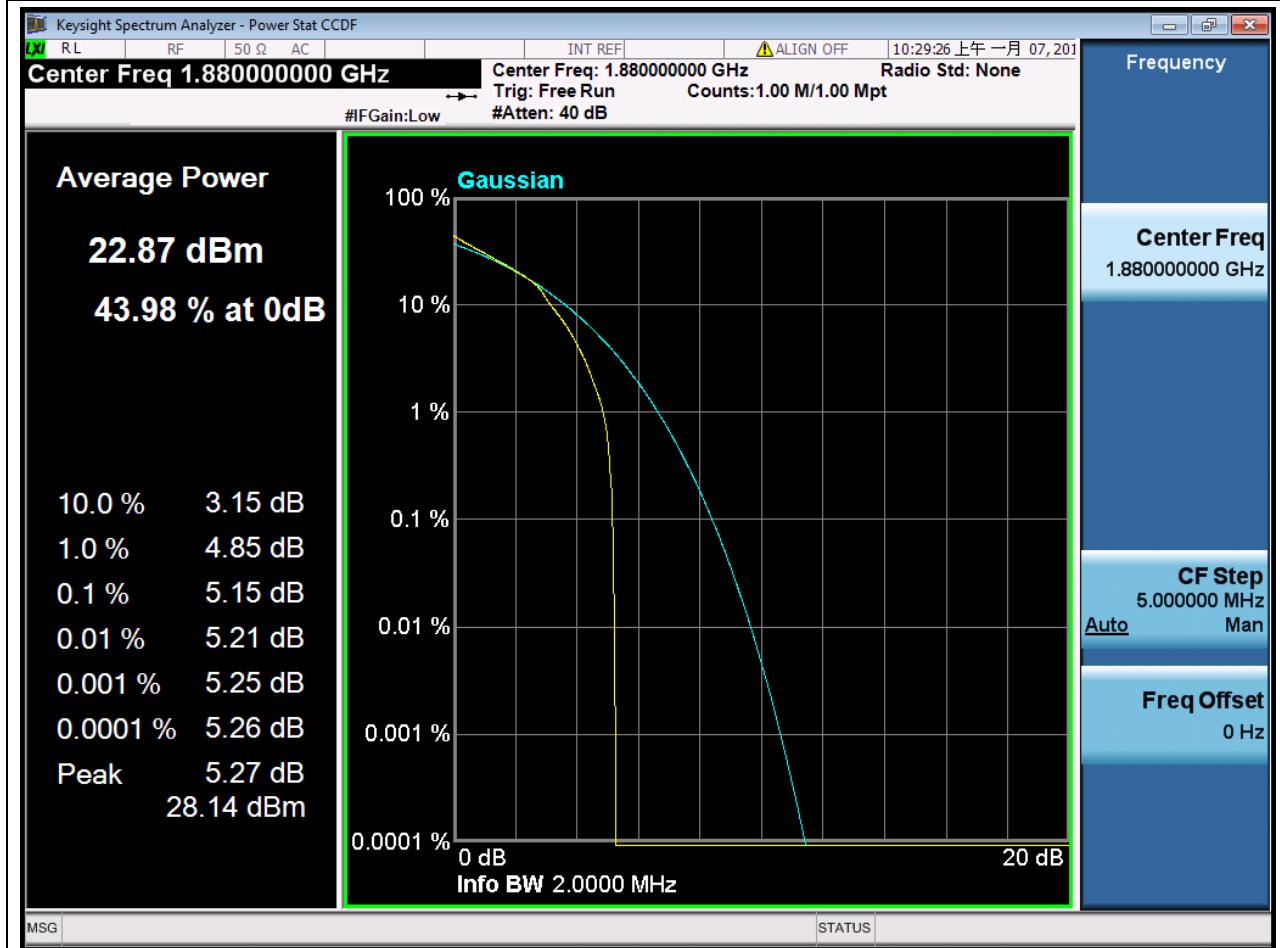
**1.12. LTE Peak to Average Ratio(NTNV)(Subtest:12, Channel:18900, Bandwidth:1.4, Modulation:Q16, RB Number: 3, RB Position:MID)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	5.06	13	Pass



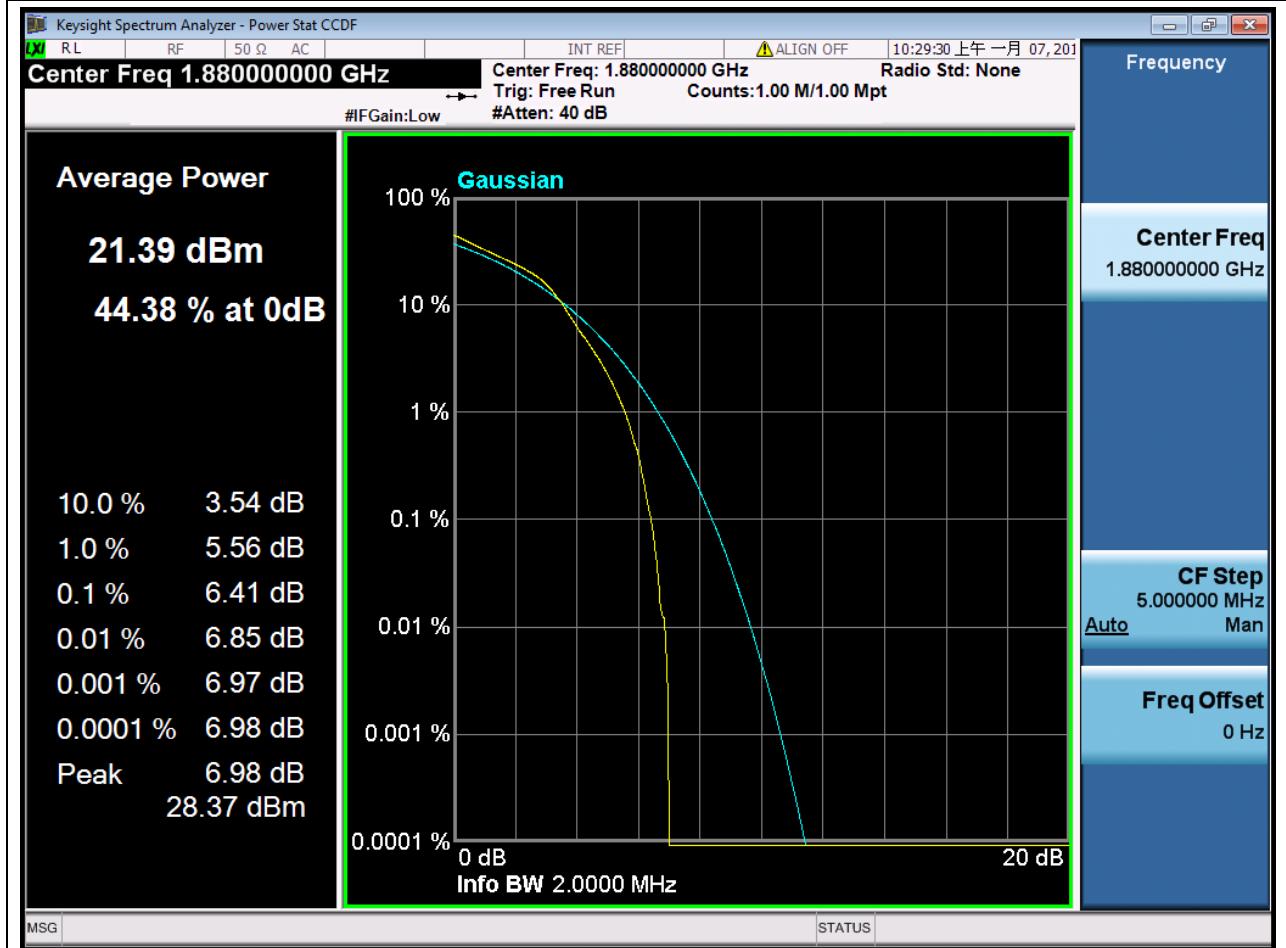
**1.13. LTE Peak to Average Ratio(NTNV)(Subtest:13, Channel:18900, Bandwidth:1.4, Modulation:Q16, RB Number: 3, RB Position:HIGH)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	5.15	13	Pass



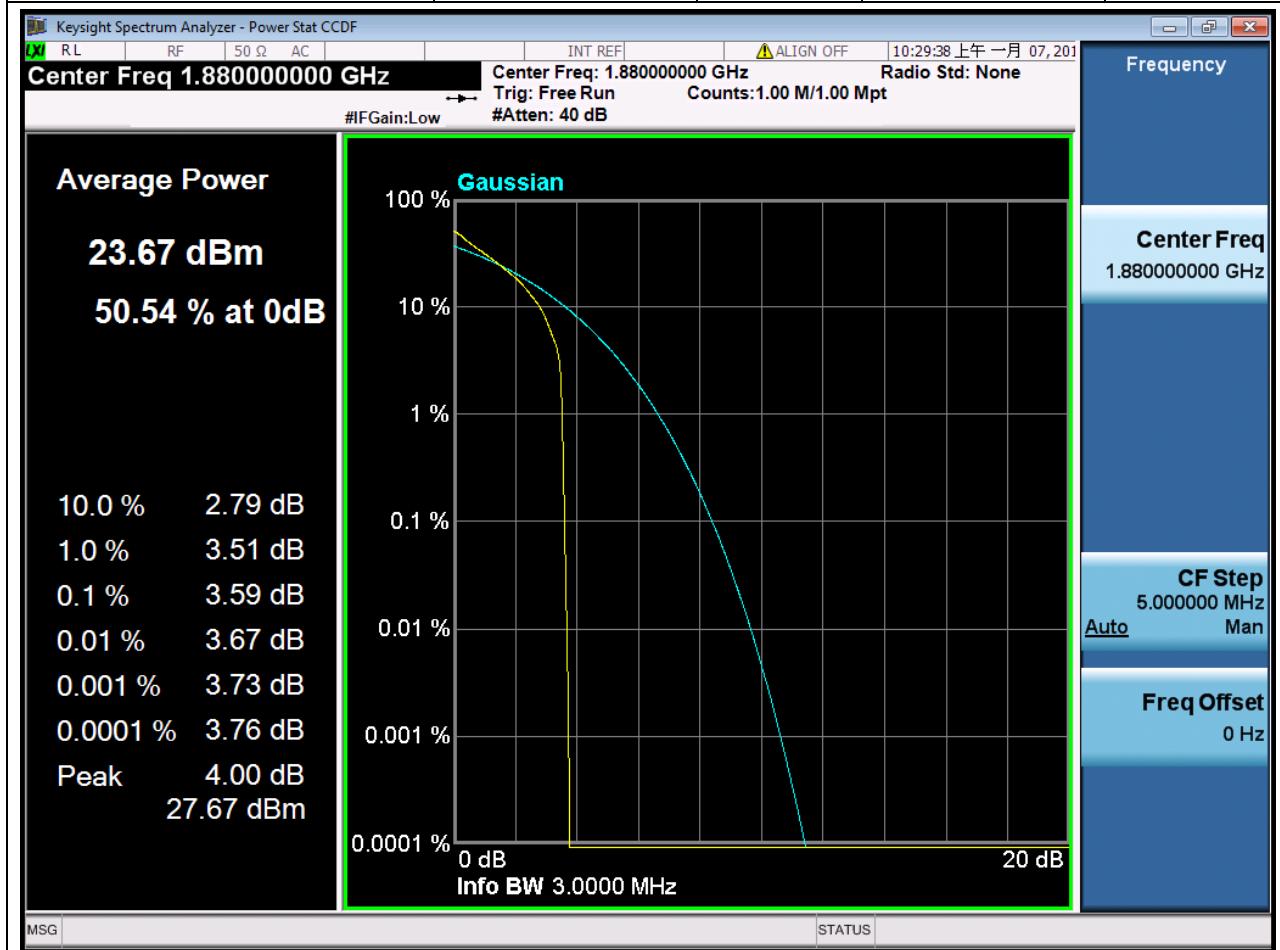
**1.14. LTE Peak to Average Ratio(NTNV)(Subtest:14, Channel:18900, Bandwidth:1.4, Modulation:Q16, RB Number: 6, RB Position:LOW)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	6.41	13	Pass



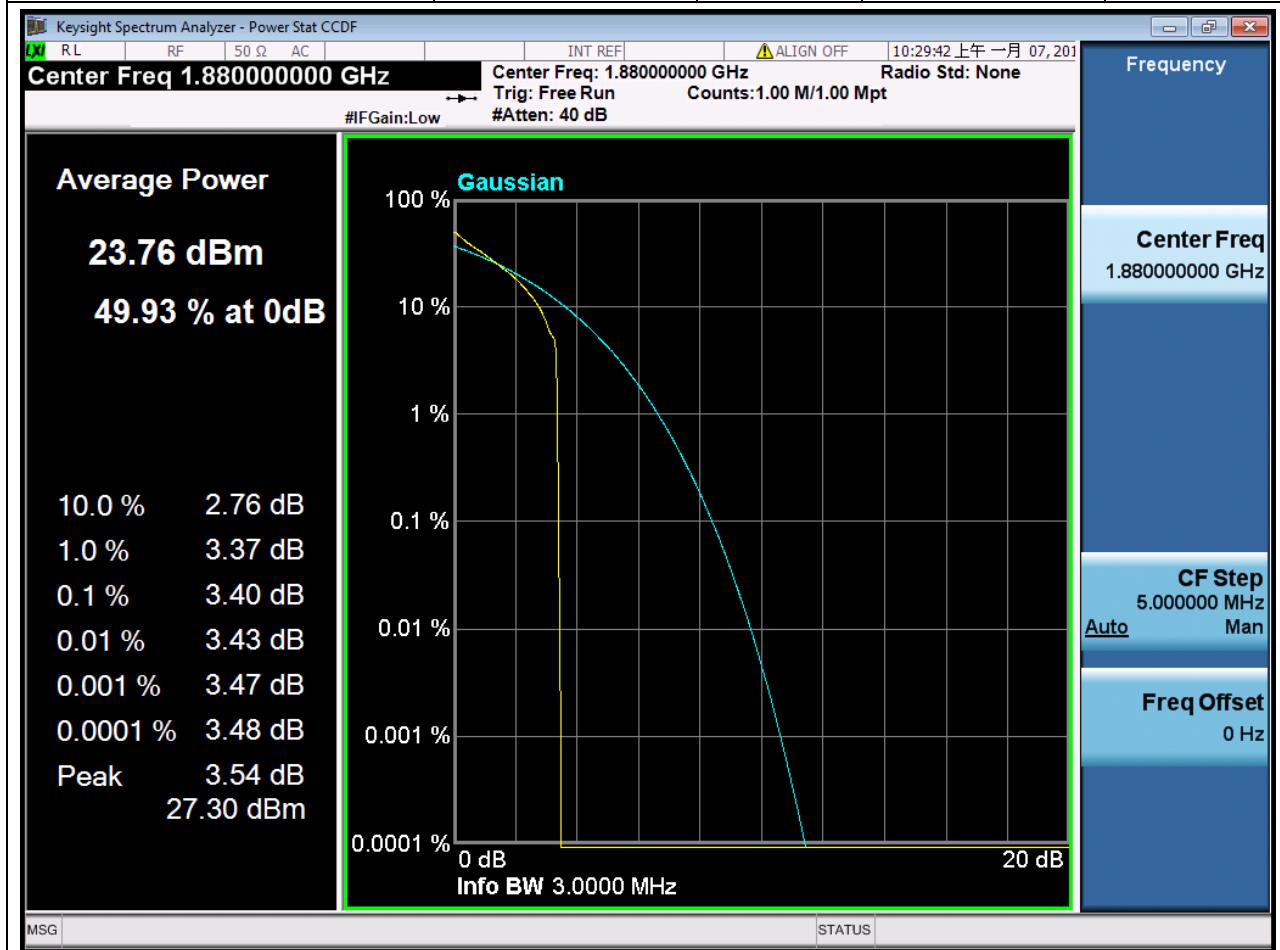
**1.15. LTE Peak to Average Ratio(NTNV)(Subtest:15, Channel:18900, Bandwidth:3, Modulation:QPSK, RB Number: 1, RB Position:LOW)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	3.59	13	Pass



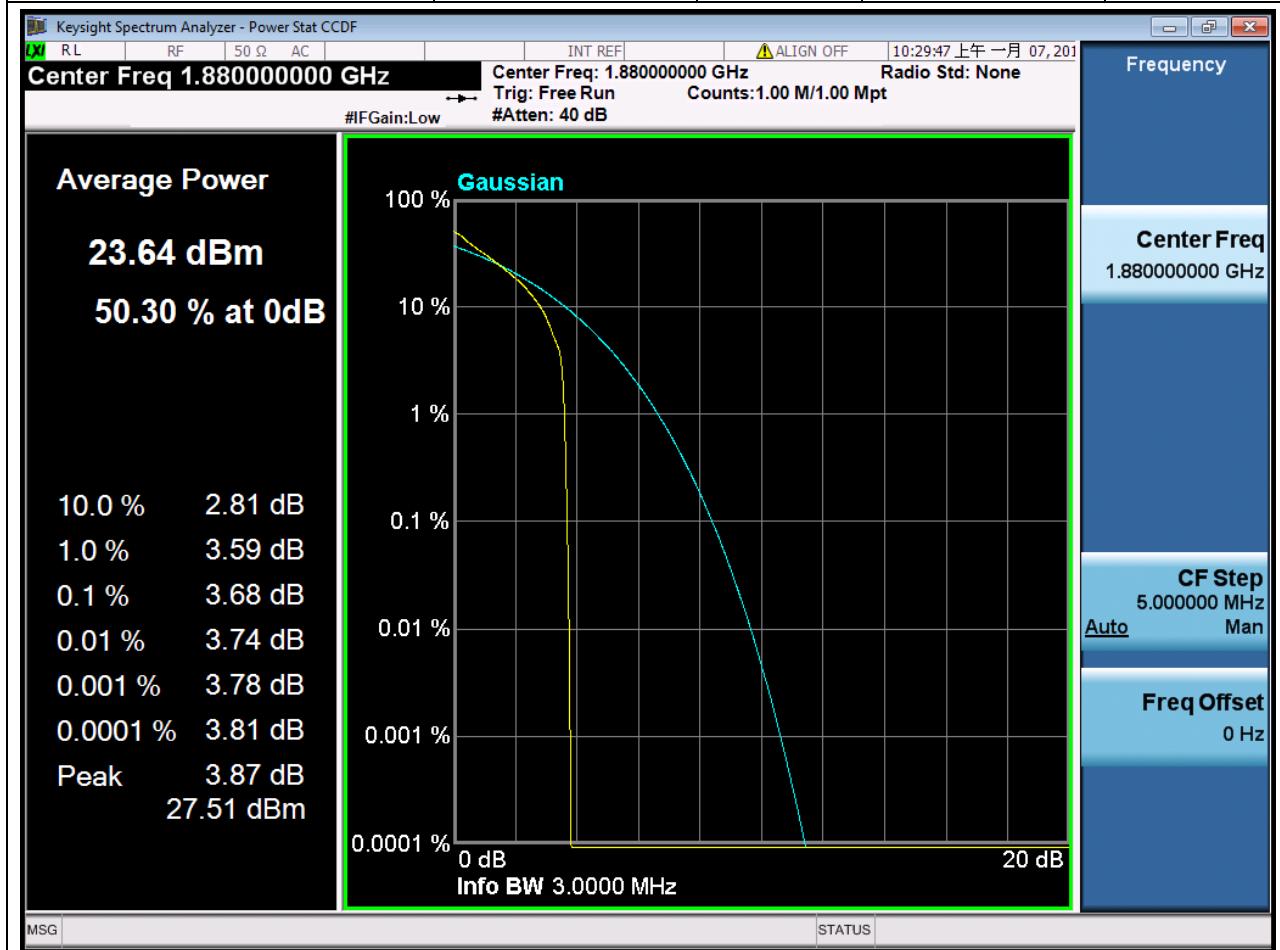
**1.16. LTE Peak to Average Ratio(NTNV)(Subtest:16, Channel:18900, Bandwidth:3, Modulation:QPSK, RB Number: 1, RB Position:MID)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	3.4	13	Pass



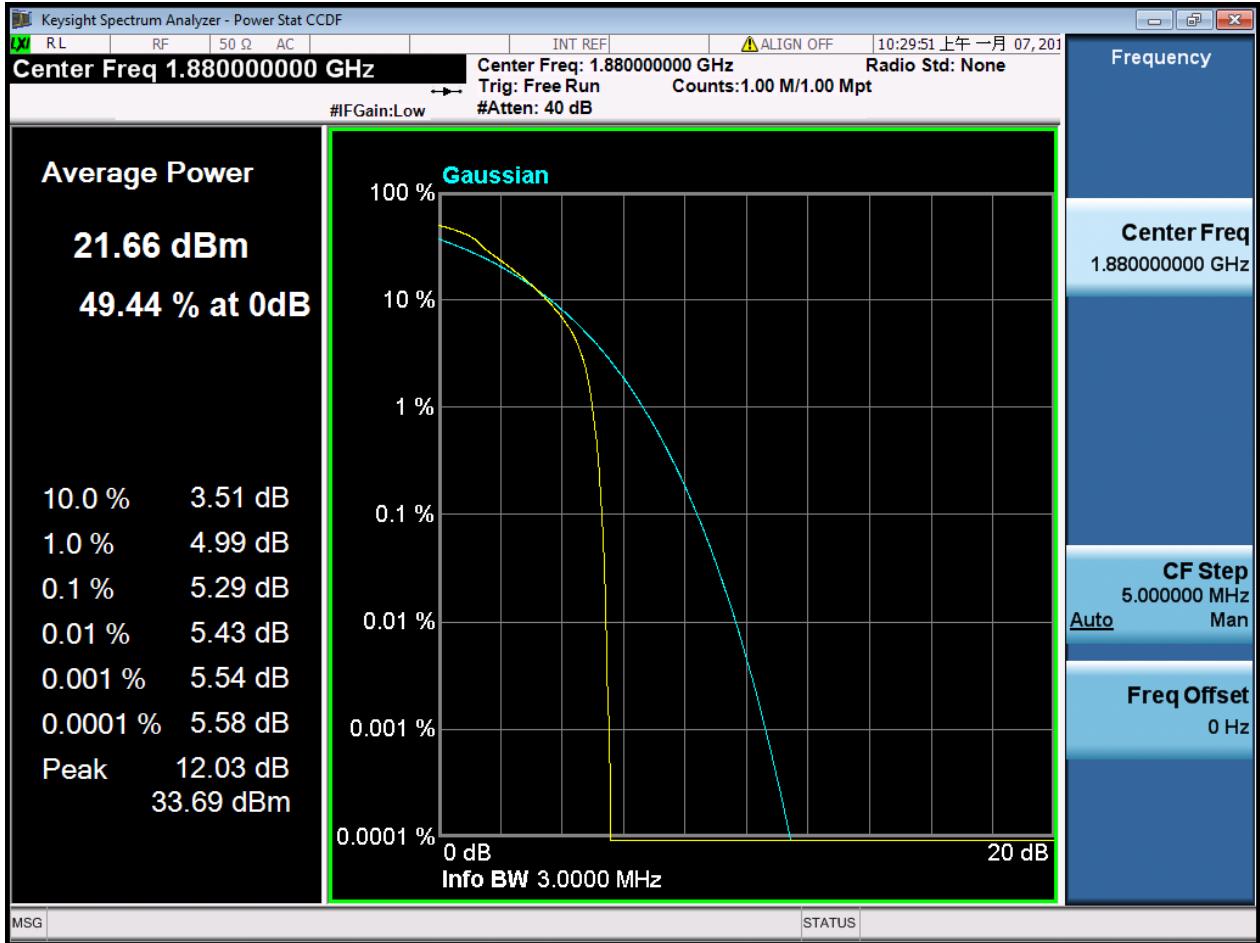
**1.17. LTE Peak to Average Ratio(NTNV)(Subtest:17, Channel:18900, Bandwidth:3, Modulation:QPSK, RB Number: 1, RB Position:HIGH)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	3.68	13	Pass



**1.18. LTE Peak to Average Ratio(NTNV)(Subtest:18, Channel:18900, Bandwidth:3, Modulation:QPSK, RB Number: 8, RB Position:LOW)**

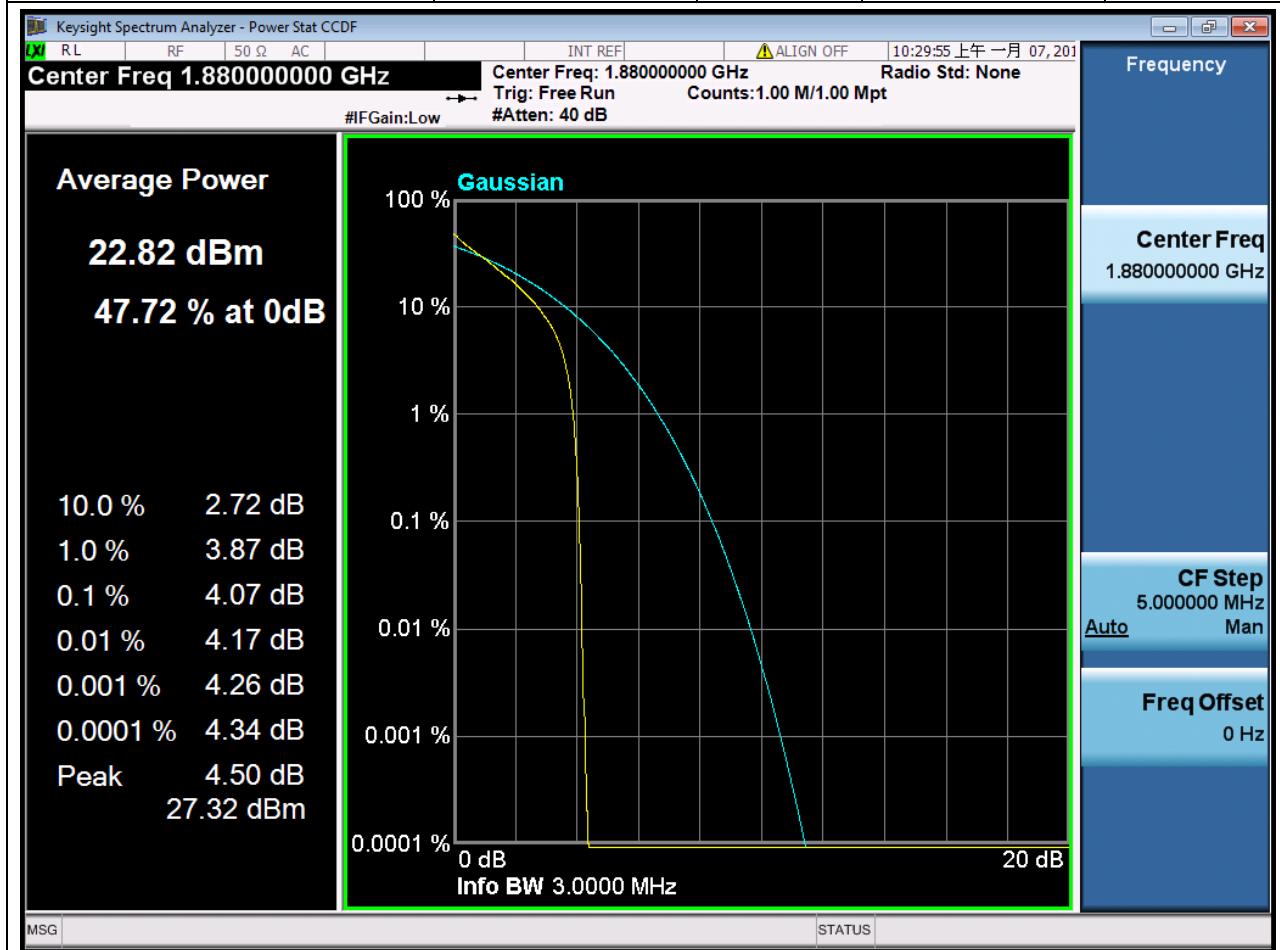
Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	5.29	13	Pass



The screenshot shows the Keysight Spectrum Analyzer software interface for a Power Stat CCDF analysis. The main window displays a Gaussian probability distribution curve on a log-linear scale. The x-axis represents power in dB, ranging from 0 dB to 20 dB. The y-axis represents percentage, ranging from 0.0001% to 100%. A yellow stepped line represents the measured data points, which closely follow the Gaussian curve. The center frequency is set to 1.880000000 GHz. The average power is listed as 21.66 dBm, and the 49.44 % at 0dB value is also indicated. The upper limit for the PAR is set to 13 dB. The verdict is Pass.

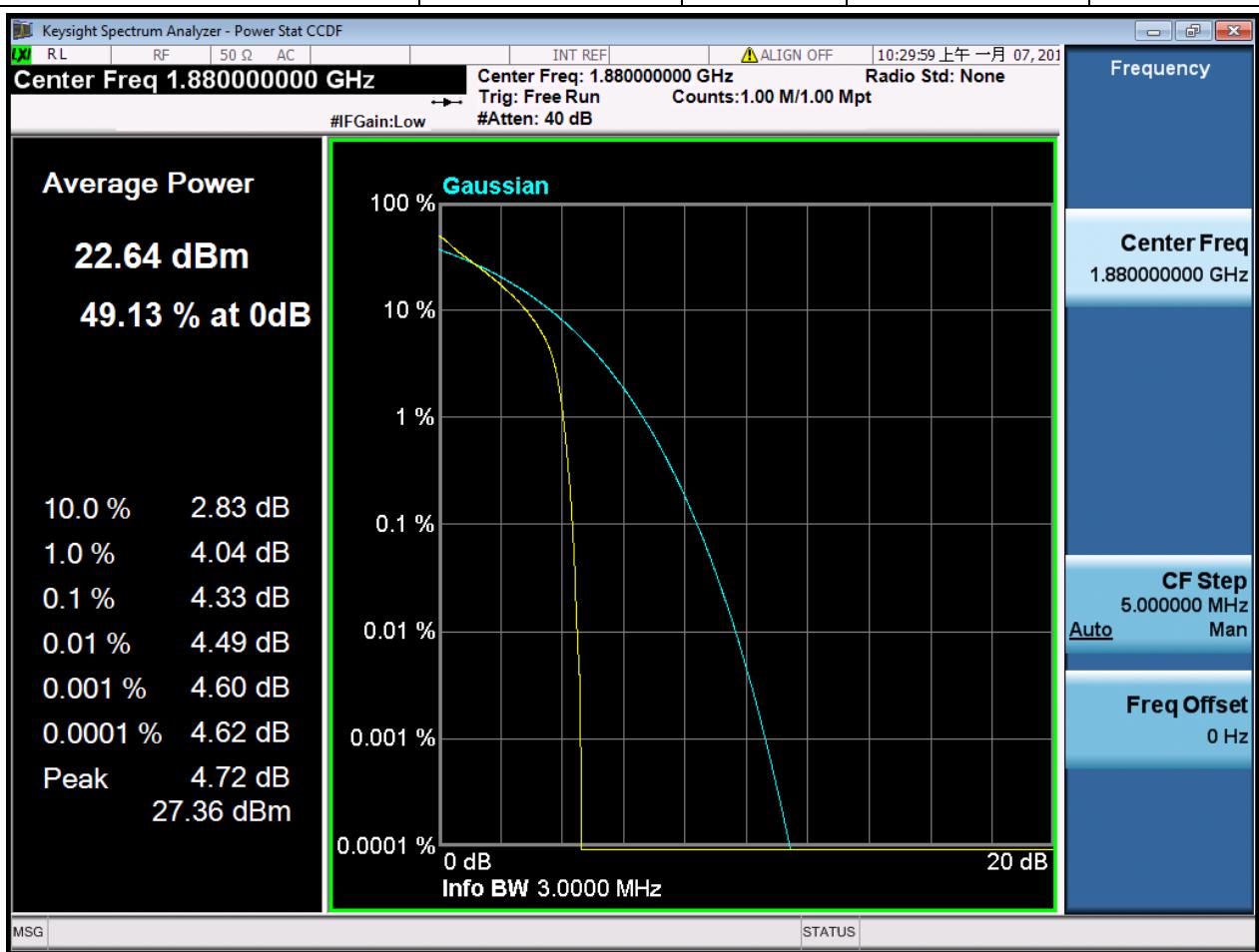
**1.19. LTE Peak to Average Ratio(NTNV)(Subtest:19, Channel:18900, Bandwidth:3, Modulation:QPSK, RB Number: 8, RB Position:MID)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	4.07	13	Pass



**1.20. LTE Peak to Average Ratio(NTNV)(Subtest:20, Channel:18900, Bandwidth:3, Modulation:QPSK, RB Number: 8, RB Position:HIGH)**

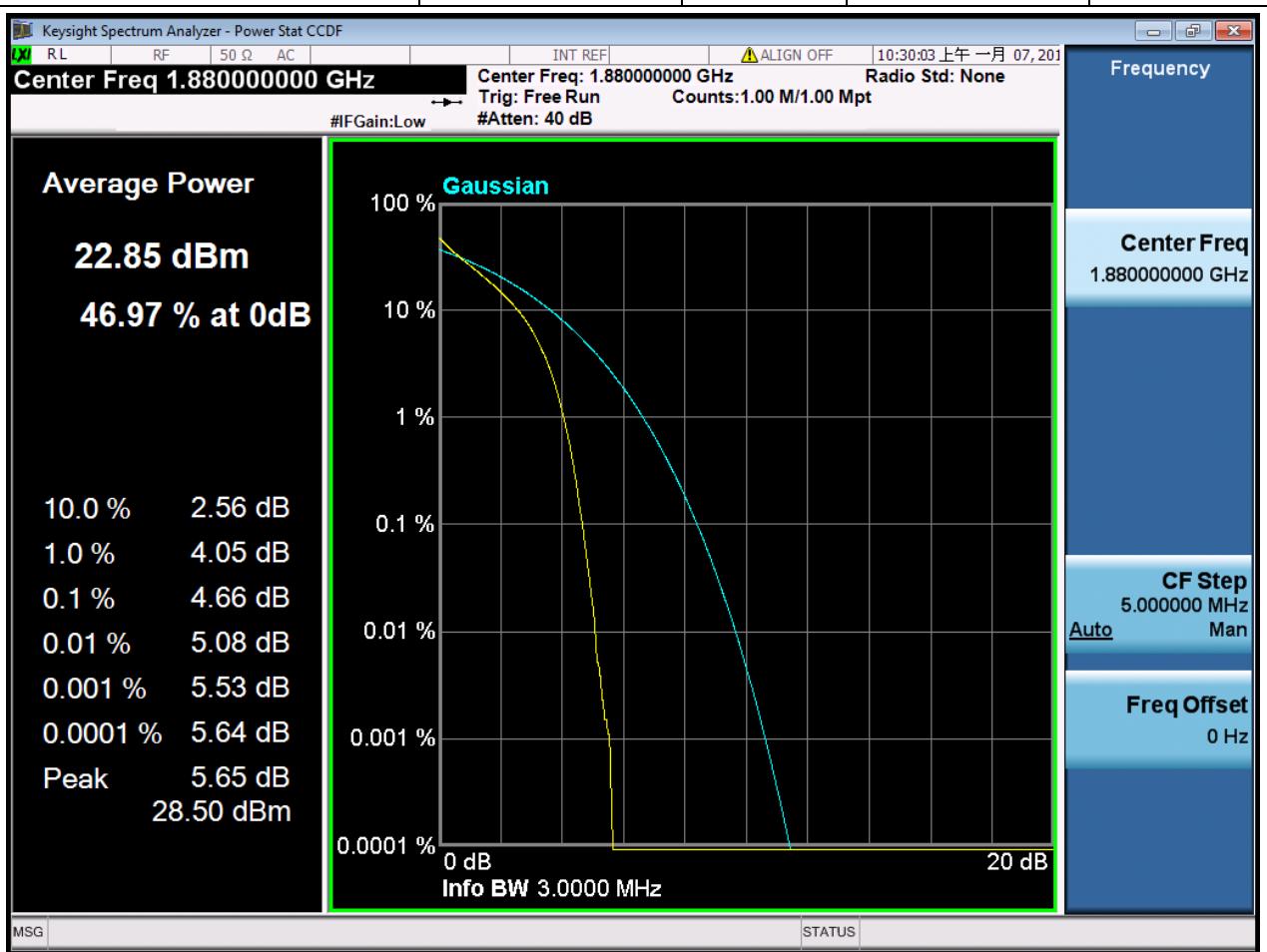
Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	4.33	13	Pass



22.64 dBm
49.13 % at 0dB
10.0 % 2.83 dB
1.0 % 4.04 dB
0.1 % 4.33 dB
0.01 % 4.49 dB
0.001 % 4.60 dB
0.0001 % 4.62 dB
Peak 4.72 dB
27.36 dBm

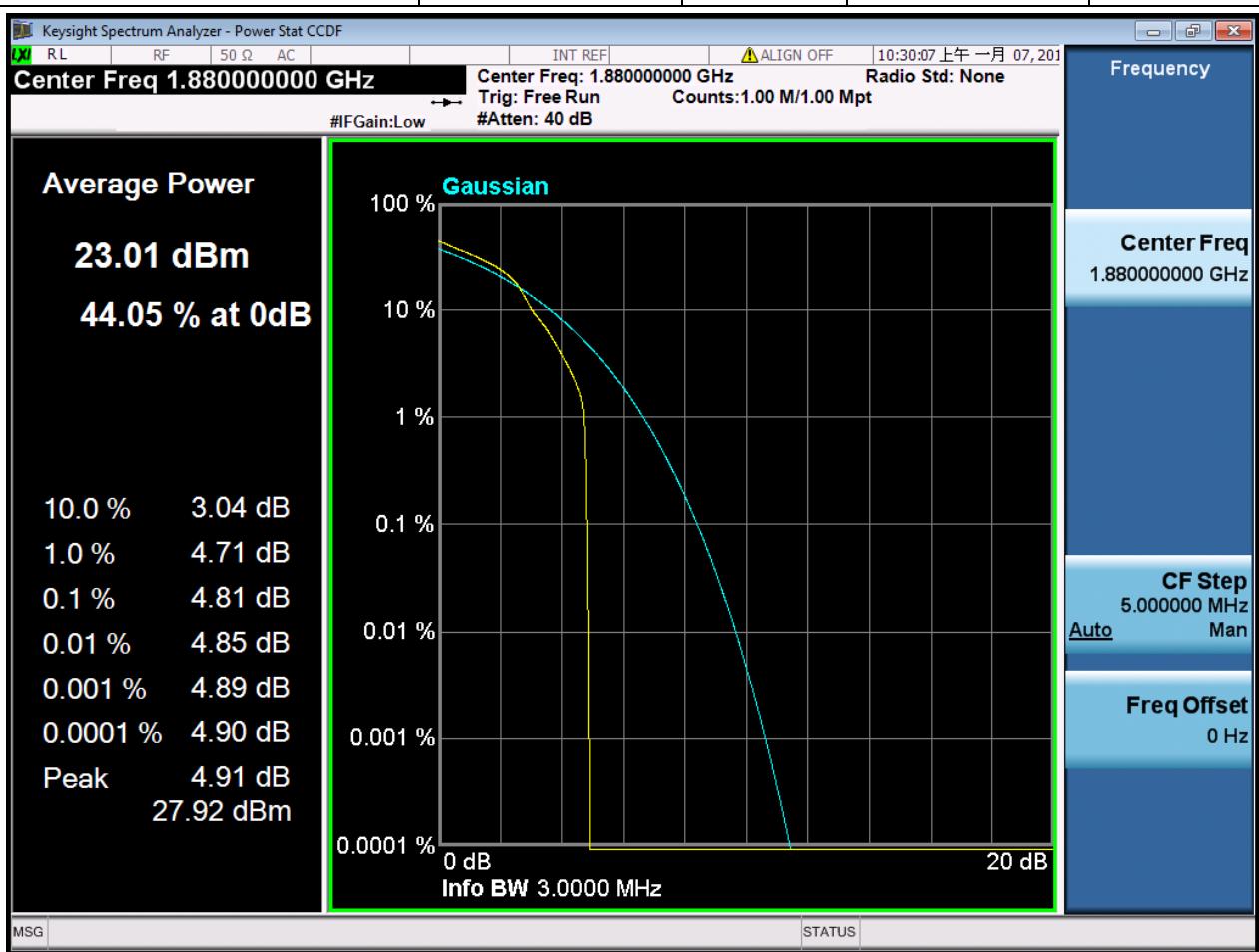
**1.21. LTE Peak to Average Ratio(NTNV)(Subtest:21, Channel:18900, Bandwidth:3, Modulation:QPSK, RB Number: 15, RB Position:LOW)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	4.66	13	Pass



**1.22. LTE Peak to Average Ratio(NTNV)(Subtest:22, Channel:18900, Bandwidth:3, Modulation:Q16, RB Number: 1, RB Position:LOW)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	4.81	13	Pass



**Average Power**  
**23.01 dBm**  
**44.05 % at 0dB**

10.0 %	3.04 dB
1.0 %	4.71 dB
0.1 %	4.81 dB
0.01 %	4.85 dB
0.001 %	4.89 dB
0.0001 %	4.90 dB
Peak	4.91 dB
	27.92 dBm

**Gaussian**

Info BW 3.0000 MHz

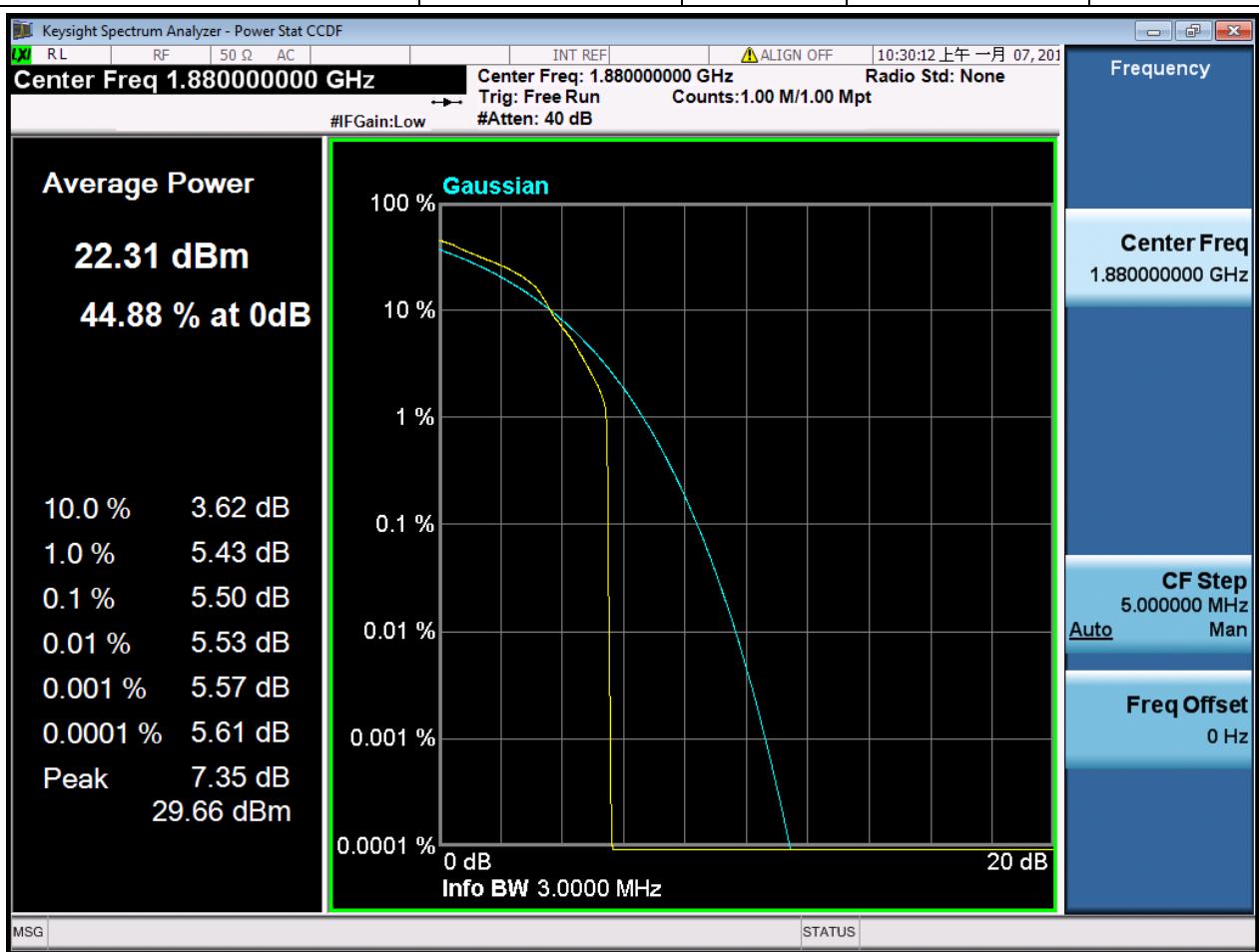
Center Freq 1.880000000 GHz  
Radio Std: None  
Trig: Free Run Counts:1.00 M/1.00 Mpt  
#Atten: 40 dB

CF Step 5.000000 MHz  
Auto Man

Freq Offset 0 Hz

**1.23. LTE Peak to Average Ratio(NTNV)(Subtest:23, Channel:18900, Bandwidth:3, Modulation:Q16, RB Number: 1, RB Position:MID)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	5.5	13	Pass



Average Power  
**22.31 dBm**  
**44.88 % at 0dB**

10.0 %	3.62 dB
1.0 %	5.43 dB
0.1 %	5.50 dB
0.01 %	5.53 dB
0.001 %	5.57 dB
0.0001 %	5.61 dB
Peak	7.35 dB
	29.66 dBm

Center Freq 1.880000000 GHz      Center Freq: 1.880000000 GHz      Radio Std: None  
Trig: Free Run      Counts: 1.00 M/1.00 Mpt  
#IFGain:Low      #Atten: 40 dB

Gaussian

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

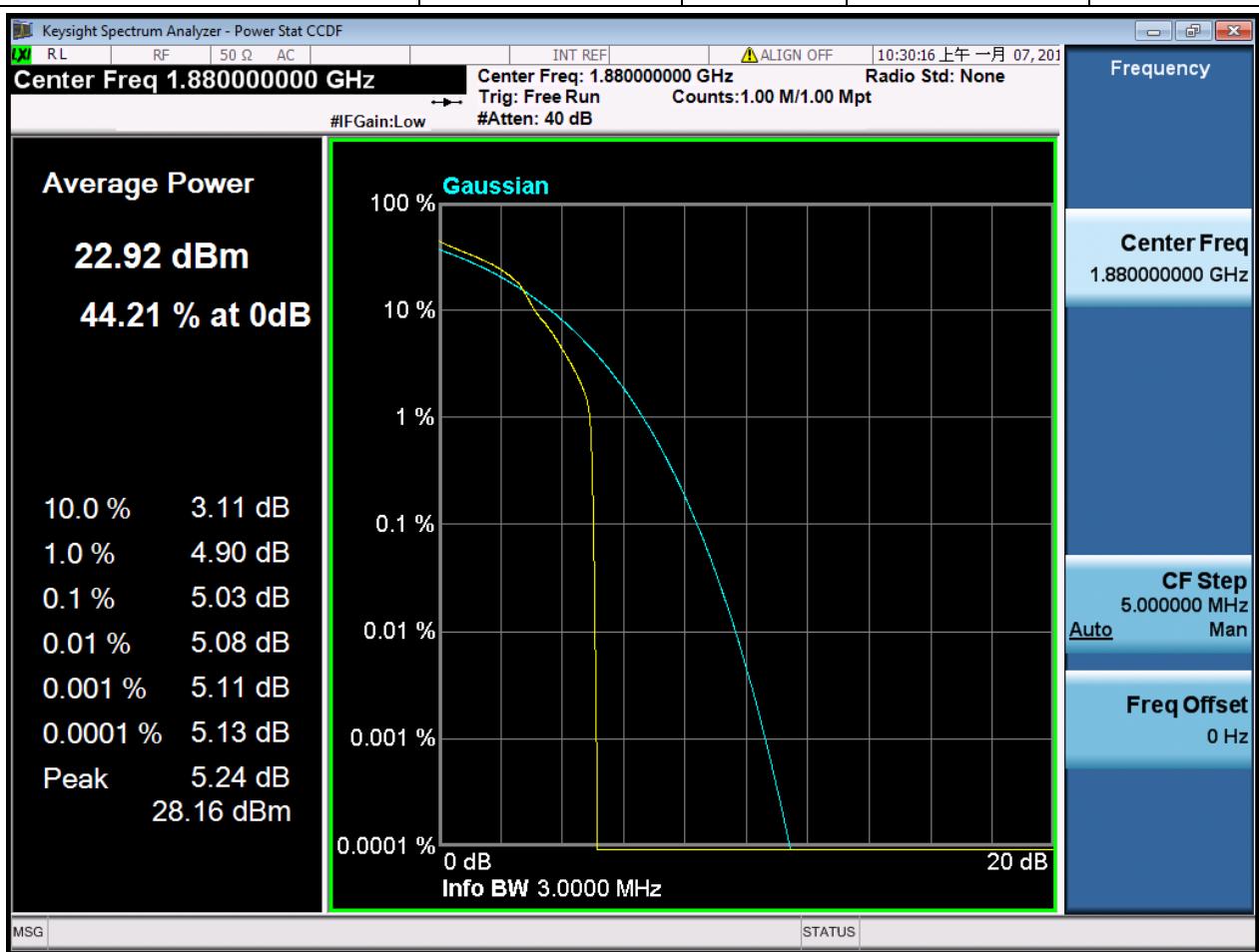
0 dB      20 dB

Info BW 3.0000 MHz

MSG      STATUS

**1.24. LTE Peak to Average Ratio(NTNV)(Subtest:24, Channel:18900, Bandwidth:3, Modulation:Q16, RB Number: 1, RB Position:HIGH)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	5.03	13	Pass



Average Power  
**22.92 dBm**  
**44.21 % at 0dB**

10.0 %	3.11 dB
1.0 %	4.90 dB
0.1 %	5.03 dB
0.01 %	5.08 dB
0.001 %	5.11 dB
0.0001 %	5.13 dB
Peak	5.24 dB
	28.16 dBm

Center Freq 1.880000000 GHz

Gaussian

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

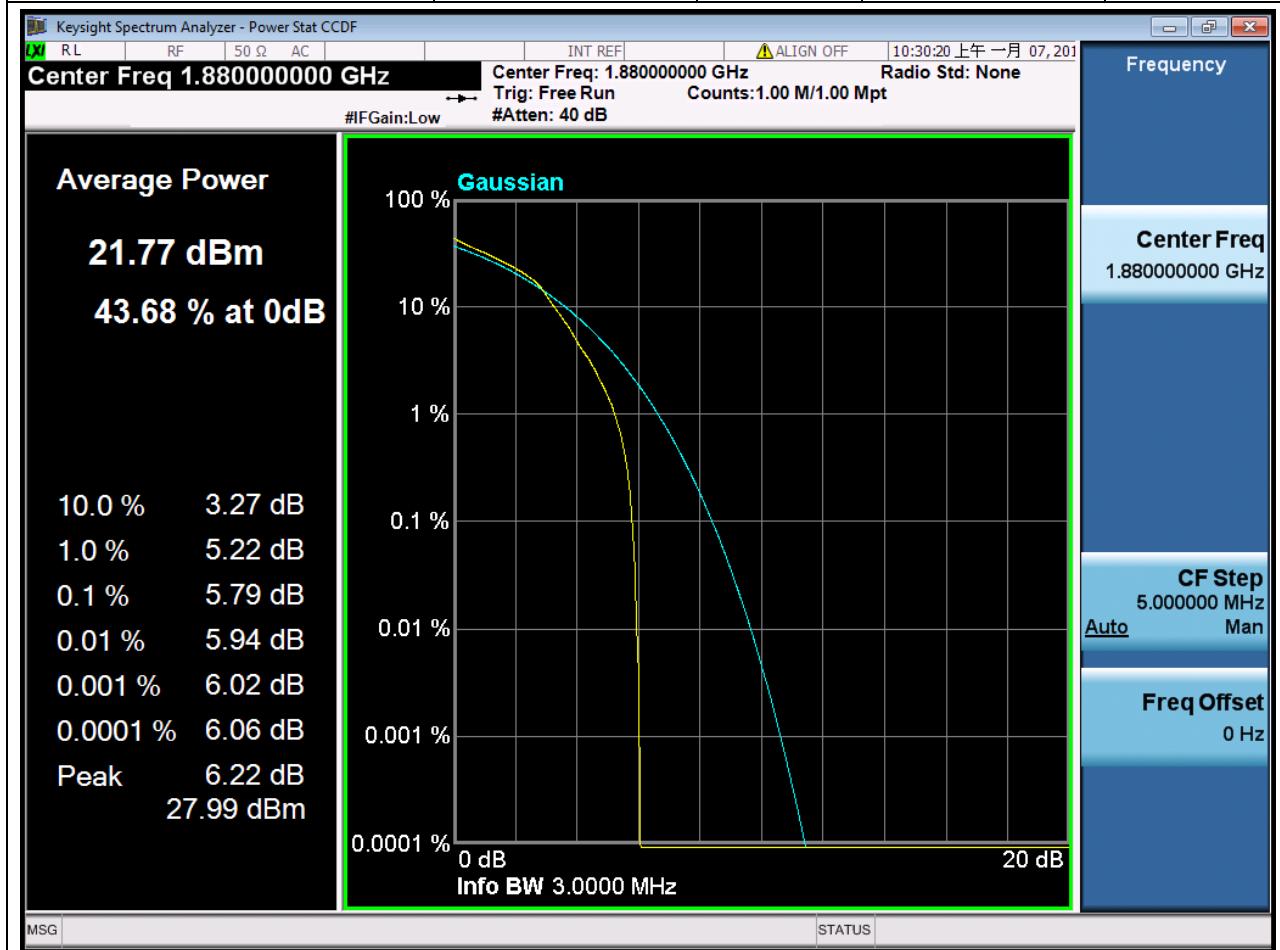
0 dB      20 dB

Info BW 3.0000 MHz

MSG STATUS

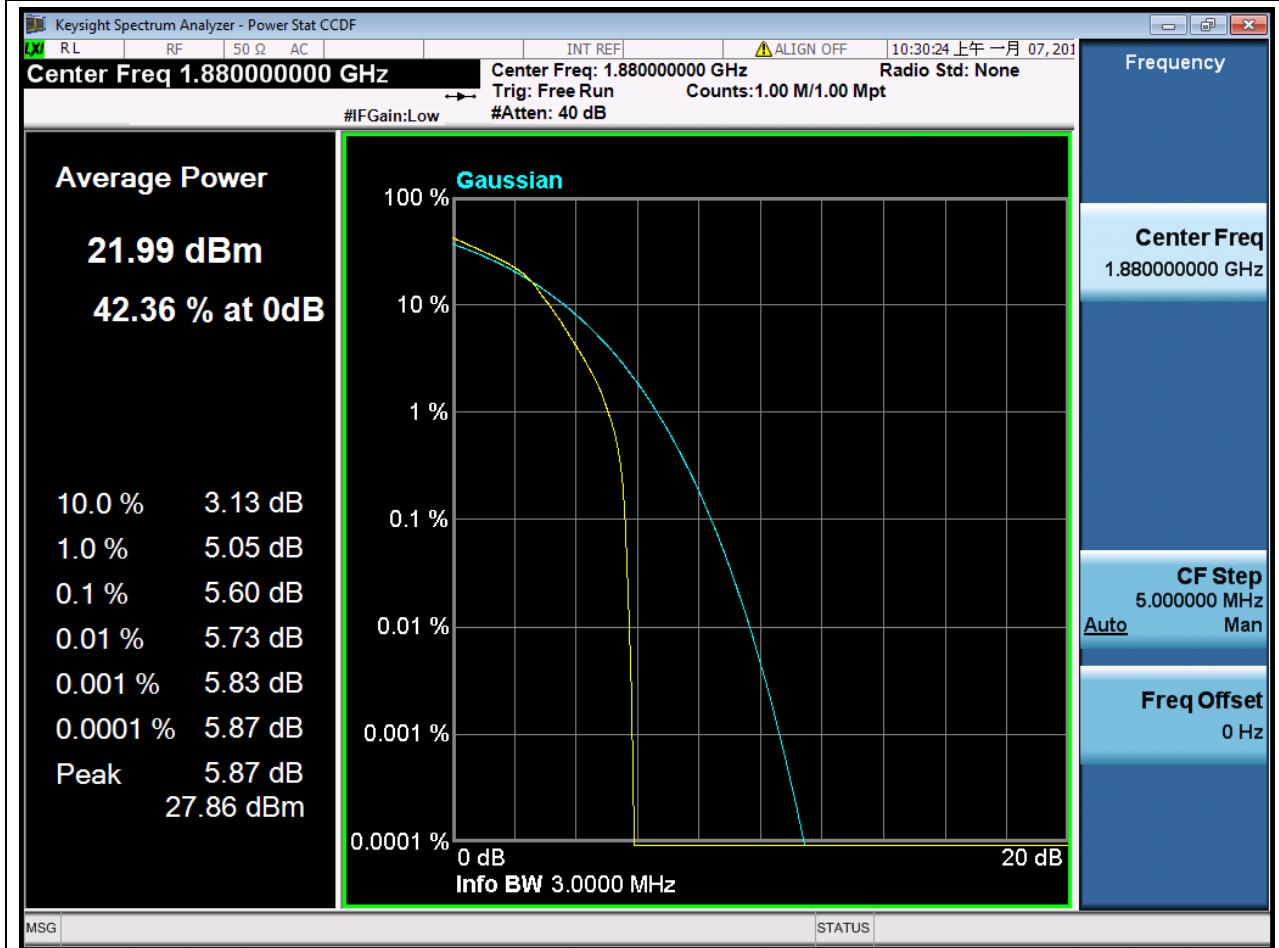
**1.25. LTE Peak to Average Ratio(NTNV)(Subtest:25, Channel:18900, Bandwidth:3, Modulation:Q16, RB Number: 8, RB Position:LOW)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	5.79	13	Pass



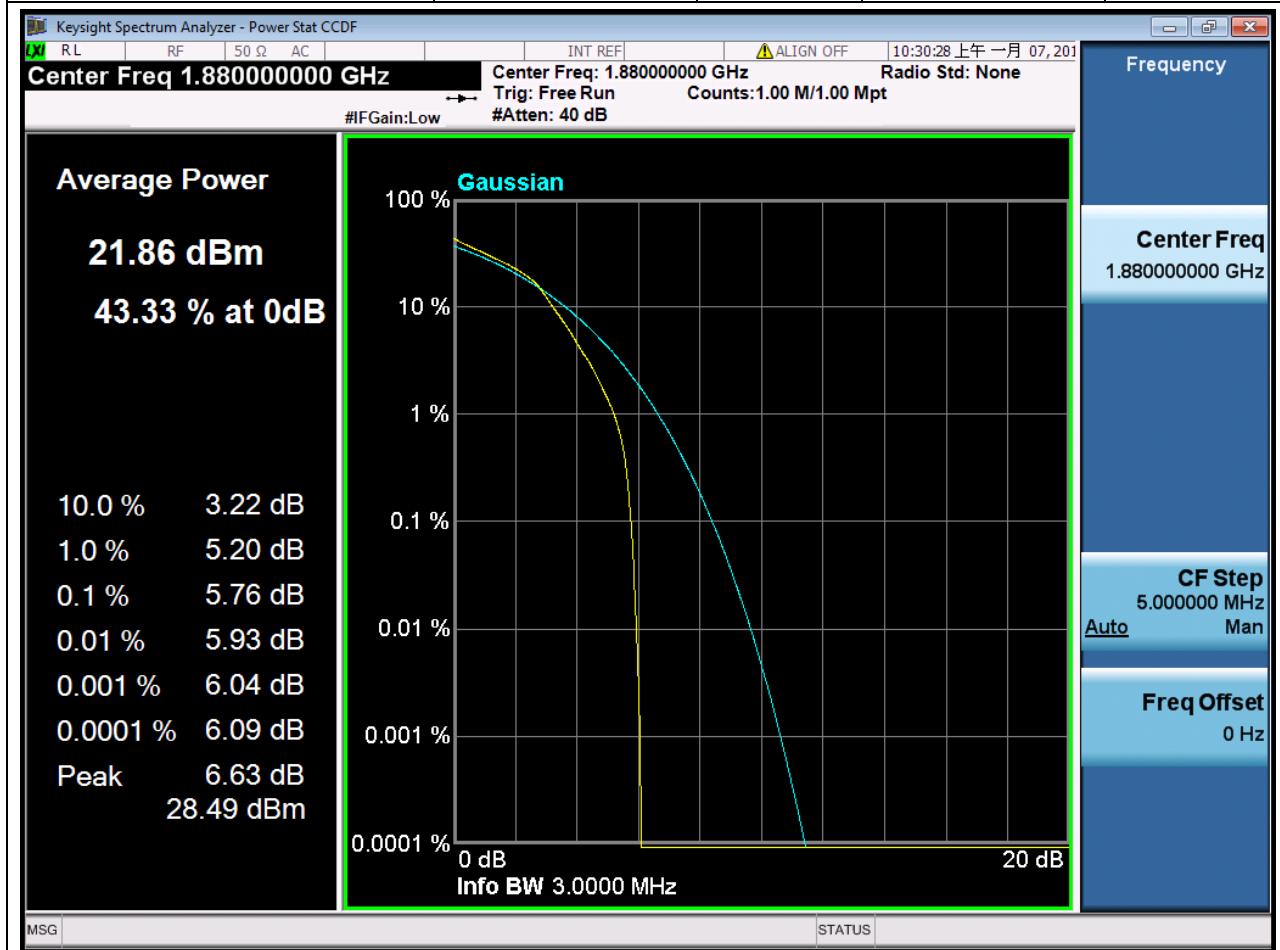
**1.26. LTE Peak to Average Ratio(NTNV)(Subtest:26, Channel:18900, Bandwidth:3, Modulation:Q16, RB Number: 8, RB Position:MID)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	5.6	13	Pass



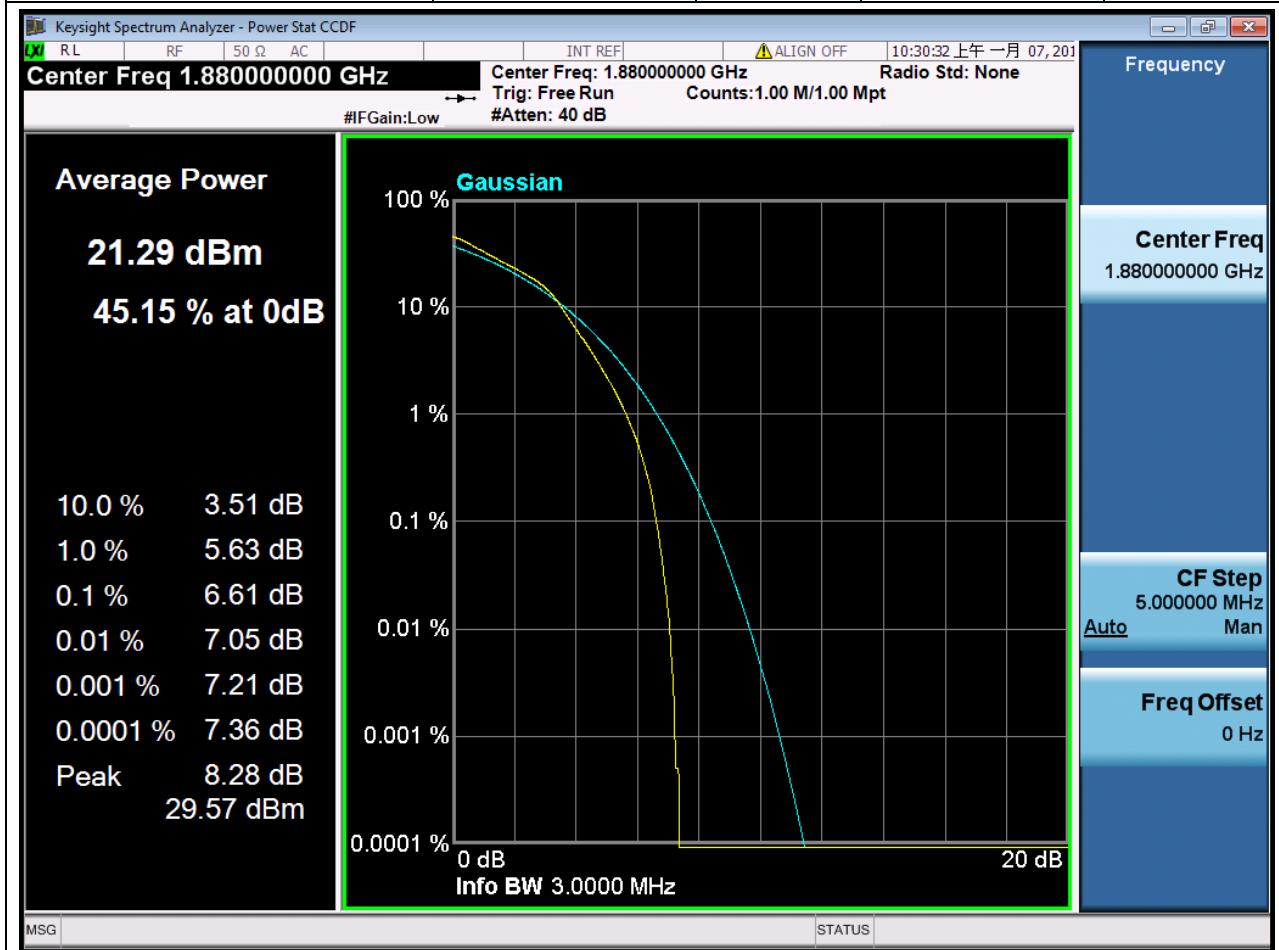
**1.27. LTE Peak to Average Ratio(NTNV)(Subtest:27, Channel:18900, Bandwidth:3, Modulation:Q16, RB Number: 8, RB Position:HIGH)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	5.76	13	Pass



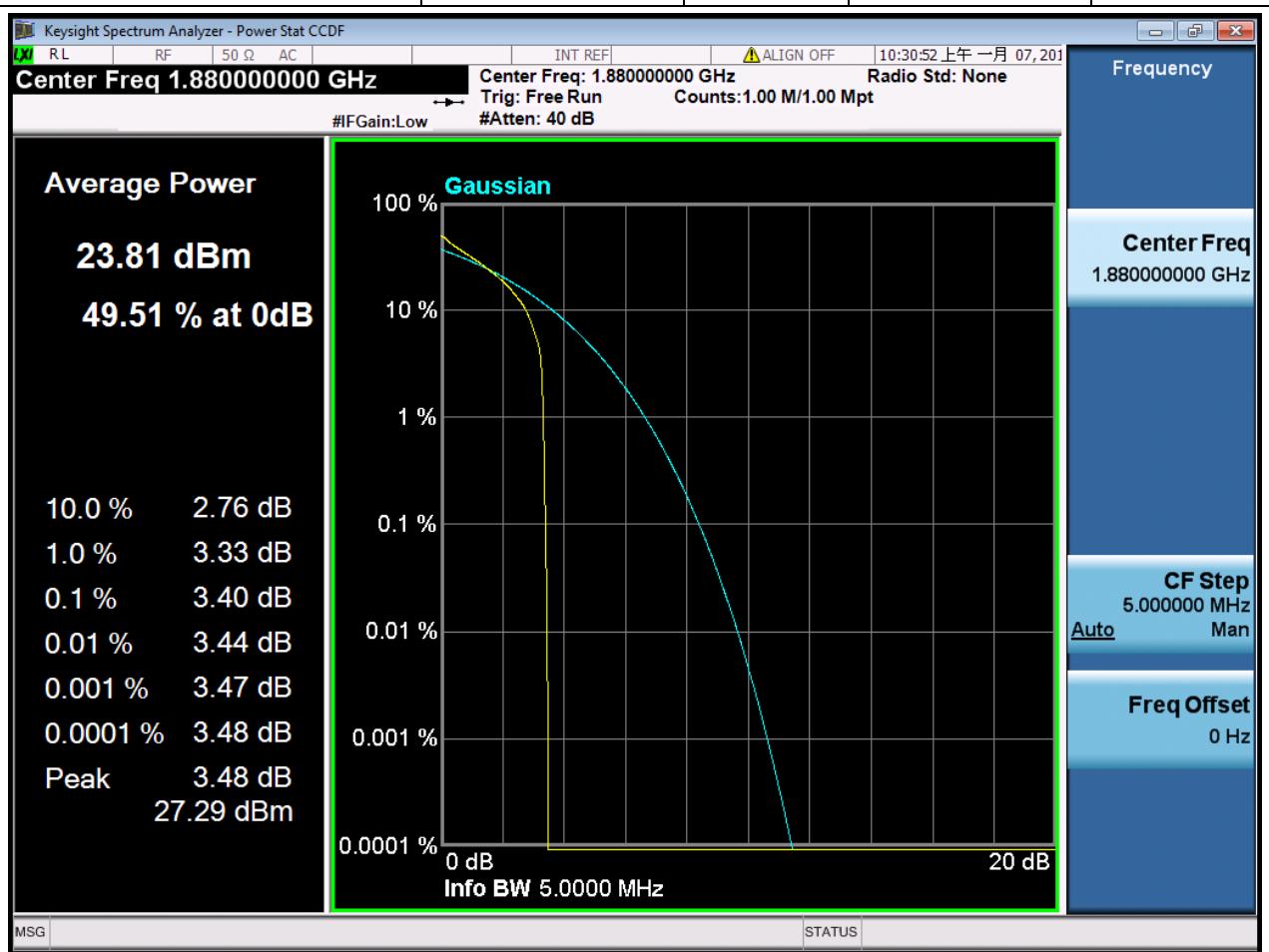
**1.28. LTE Peak to Average Ratio(NTNV)(Subtest:28, Channel:18900, Bandwidth:3, Modulation:Q16, RB Number: 15, RB Position:LOW)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	6.61	13	Pass



**1.29. LTE Peak to Average Ratio(NTNV)(Subtest:29, Channel:18900, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:LOW)**

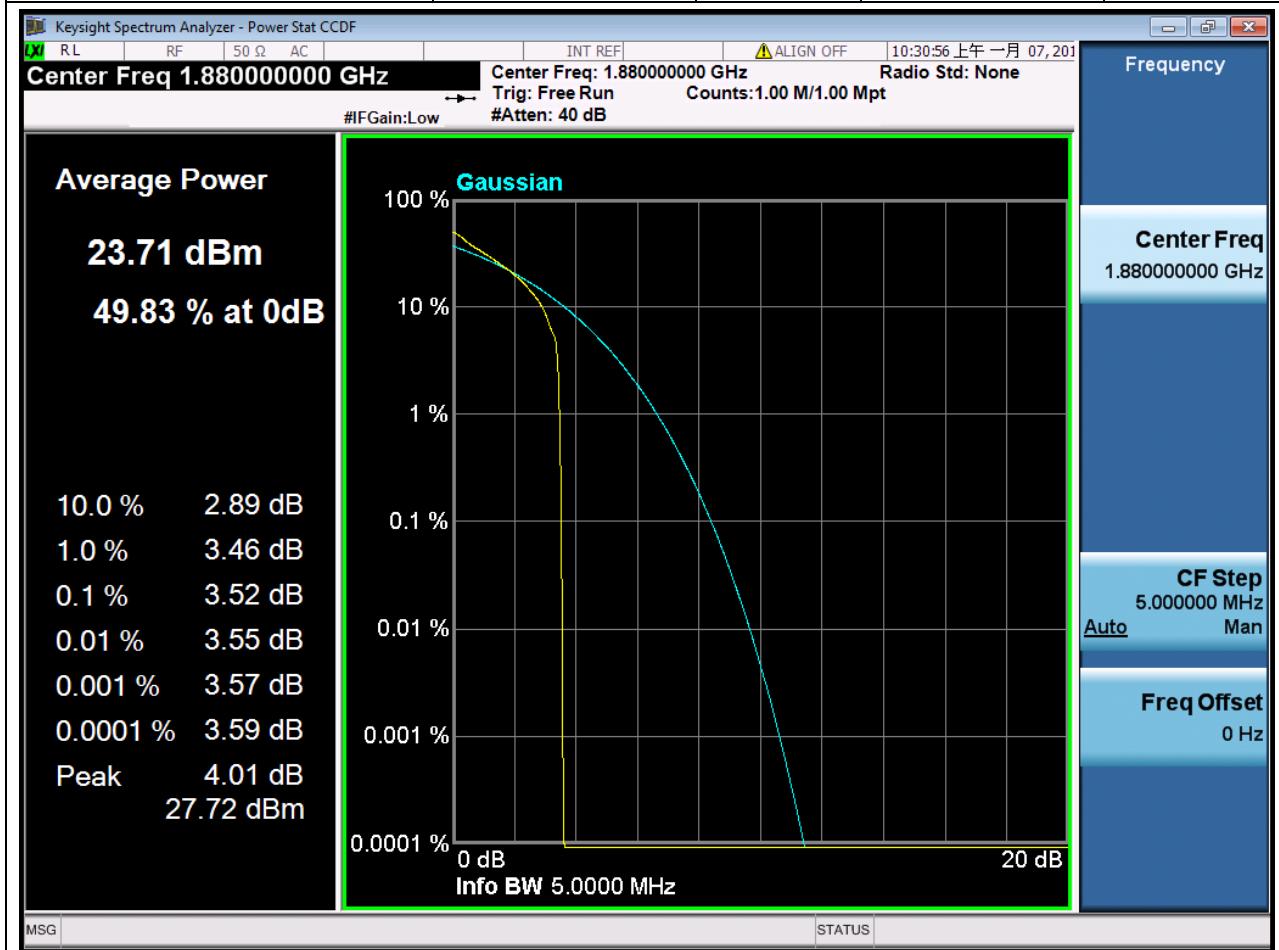
Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	3.4	13	Pass



<b>Average Power</b>	
<b>23.81 dBm</b>	
<b>49.51 % at 0dB</b>	
10.0 %	2.76 dB
1.0 %	3.33 dB
0.1 %	3.40 dB
0.01 %	3.44 dB
0.001 %	3.47 dB
0.0001 %	3.48 dB
Peak	3.48 dB
	27.29 dBm

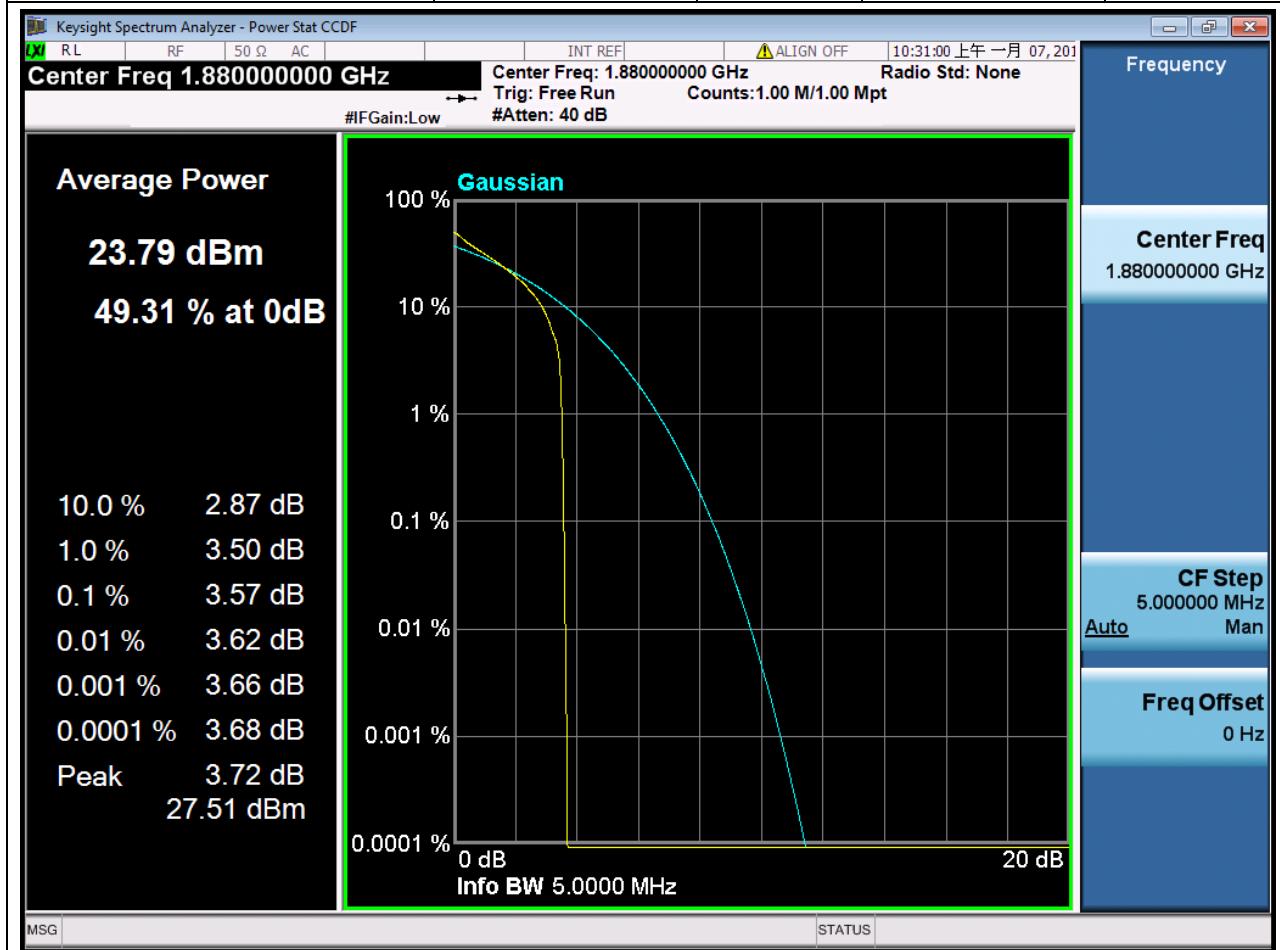
**1.30. LTE Peak to Average Ratio(NTNV)(Subtest:30, Channel:18900, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:MID)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	3.52	13	Pass



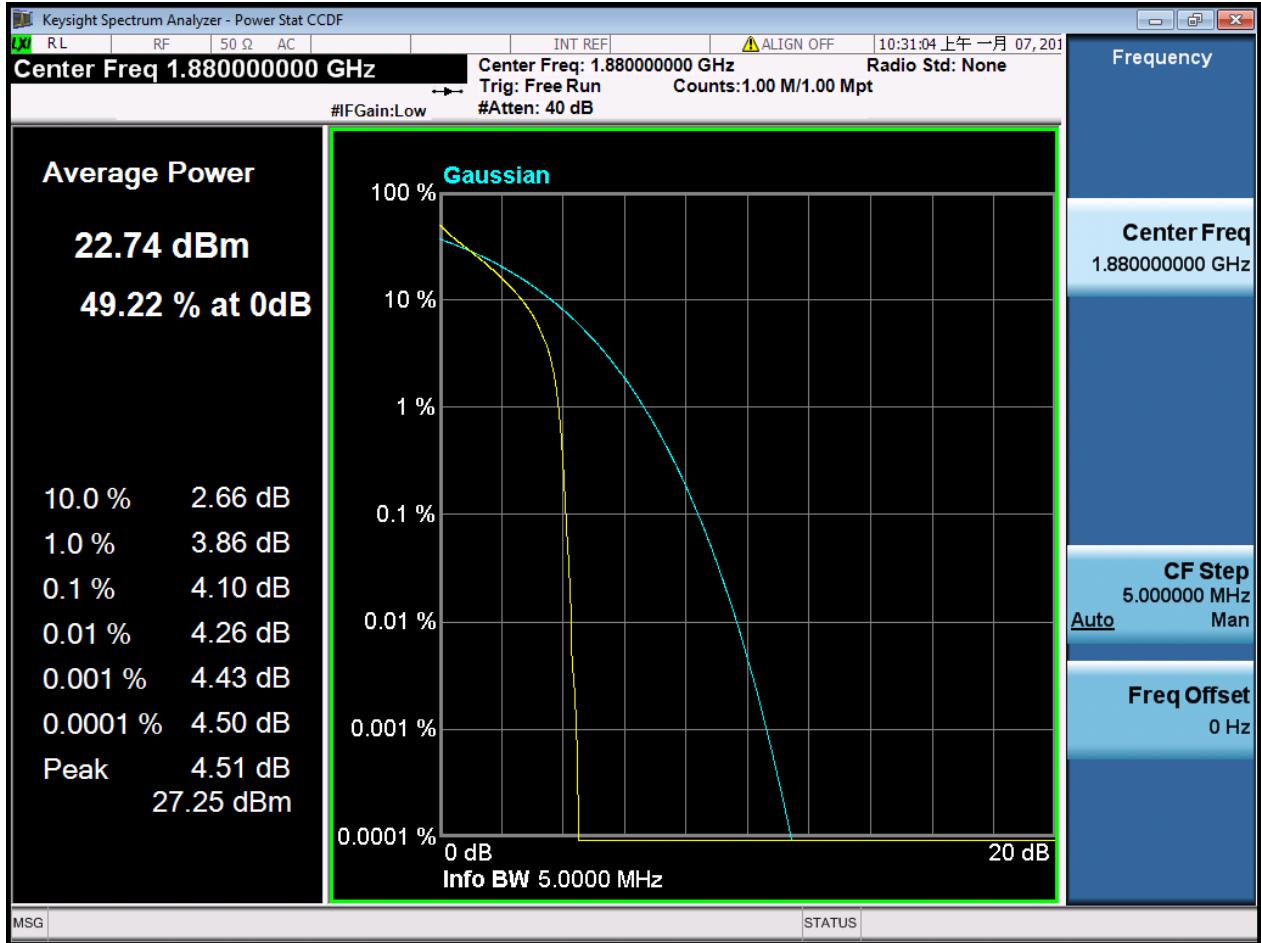
**1.31. LTE Peak to Average Ratio(NTNV)(Subtest:31, Channel:18900, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:HIGH)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	3.57	13	Pass



**1.32. LTE Peak to Average Ratio(NTNV)(Subtest:32, Channel:18900, Bandwidth:5, Modulation:QPSK, RB Number: 12, RB Position:LOW)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	4.1	13	Pass



Average Power  
**22.74 dBm**  
**49.22 % at 0dB**

10.0 %	2.66 dB
1.0 %	3.86 dB
0.1 %	4.10 dB
0.01 %	4.26 dB
0.001 %	4.43 dB
0.0001 %	4.50 dB
Peak	4.51 dB
	27.25 dBm

Center Freq 1.880000000 GHz      Center Freq: 1.880000000 GHz      Radio Std: None  
Trig: Free Run      Counts: 1.00 M/1.00 Mpt  
#IFGain:Low      #Atten: 40 dB

Gaussian

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

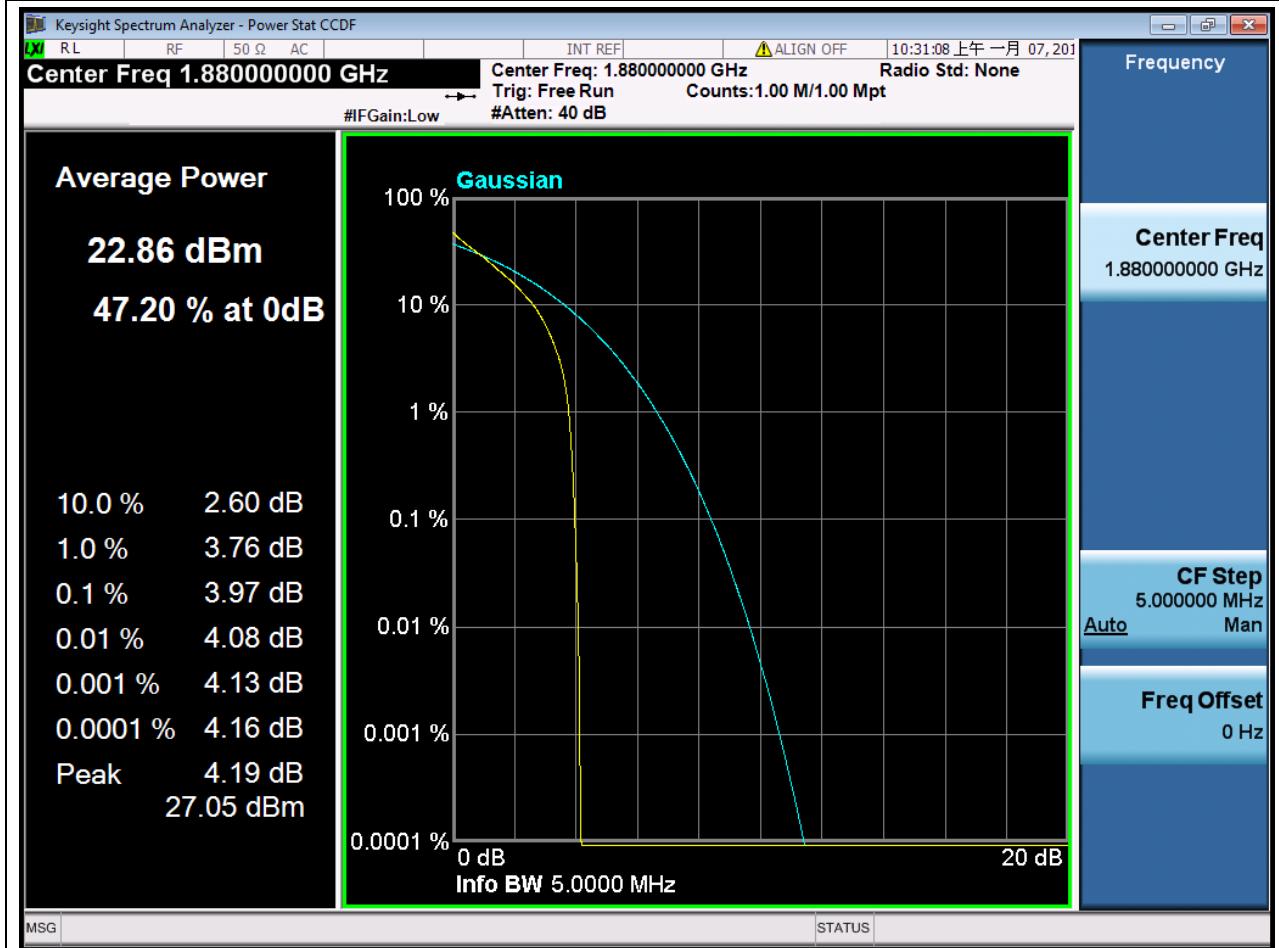
0 dB      20 dB

Info BW 5.0000 MHz

Frequency  
Center Freq 1.880000000 GHz  
CF Step 5.000000 MHz  
Auto Man  
Freq Offset 0 Hz

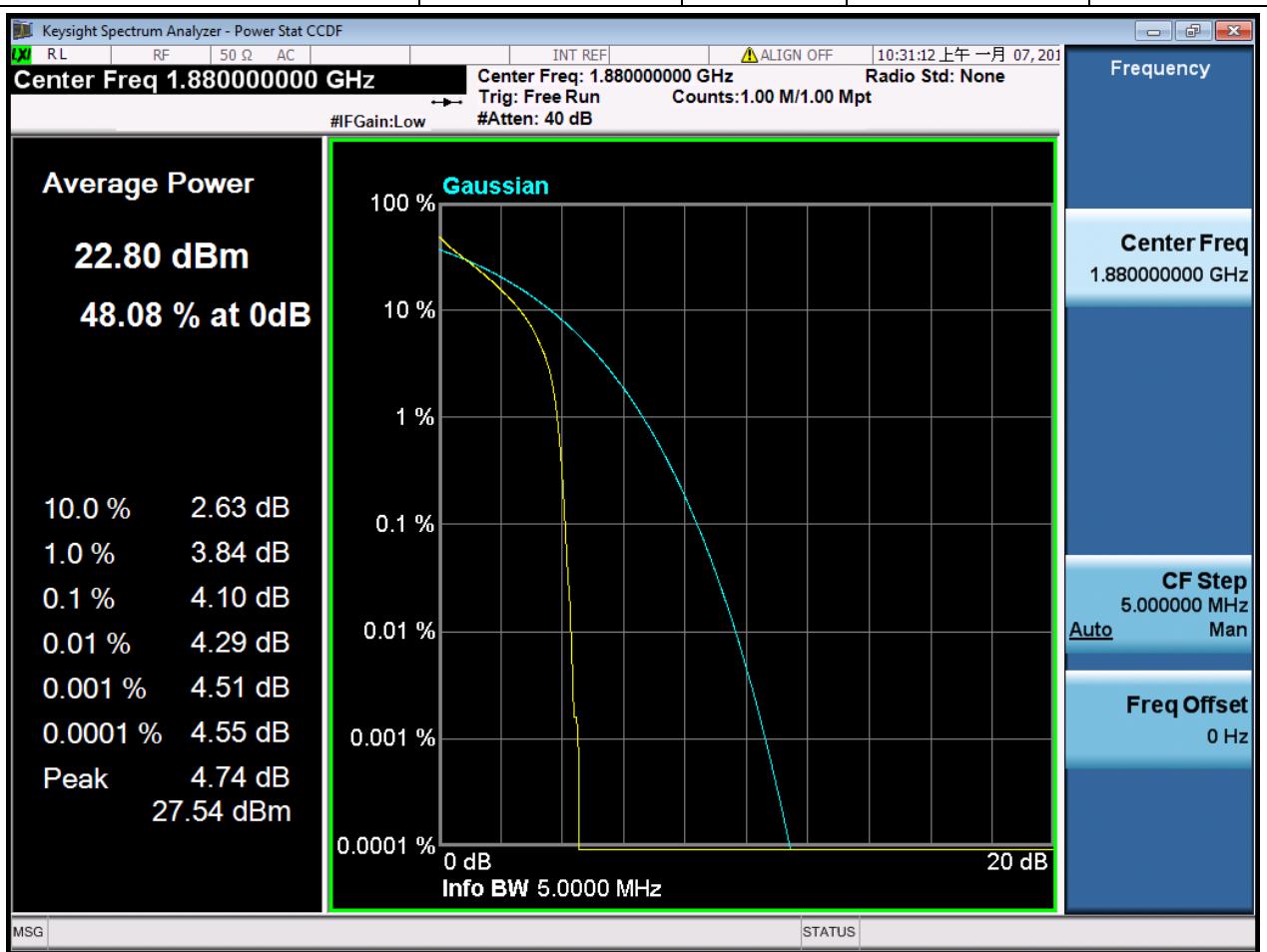
**1.33. LTE Peak to Average Ratio(NTNV)(Subtest:33, Channel:18900, Bandwidth:5, Modulation:QPSK, RB Number: 12, RB Position:MID)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	3.97	13	Pass



**1.34. LTE Peak to Average Ratio(NTNV)(Subtest:34, Channel:18900, Bandwidth:5, Modulation:QPSK, RB Number: 12, RB Position:HIGH)**

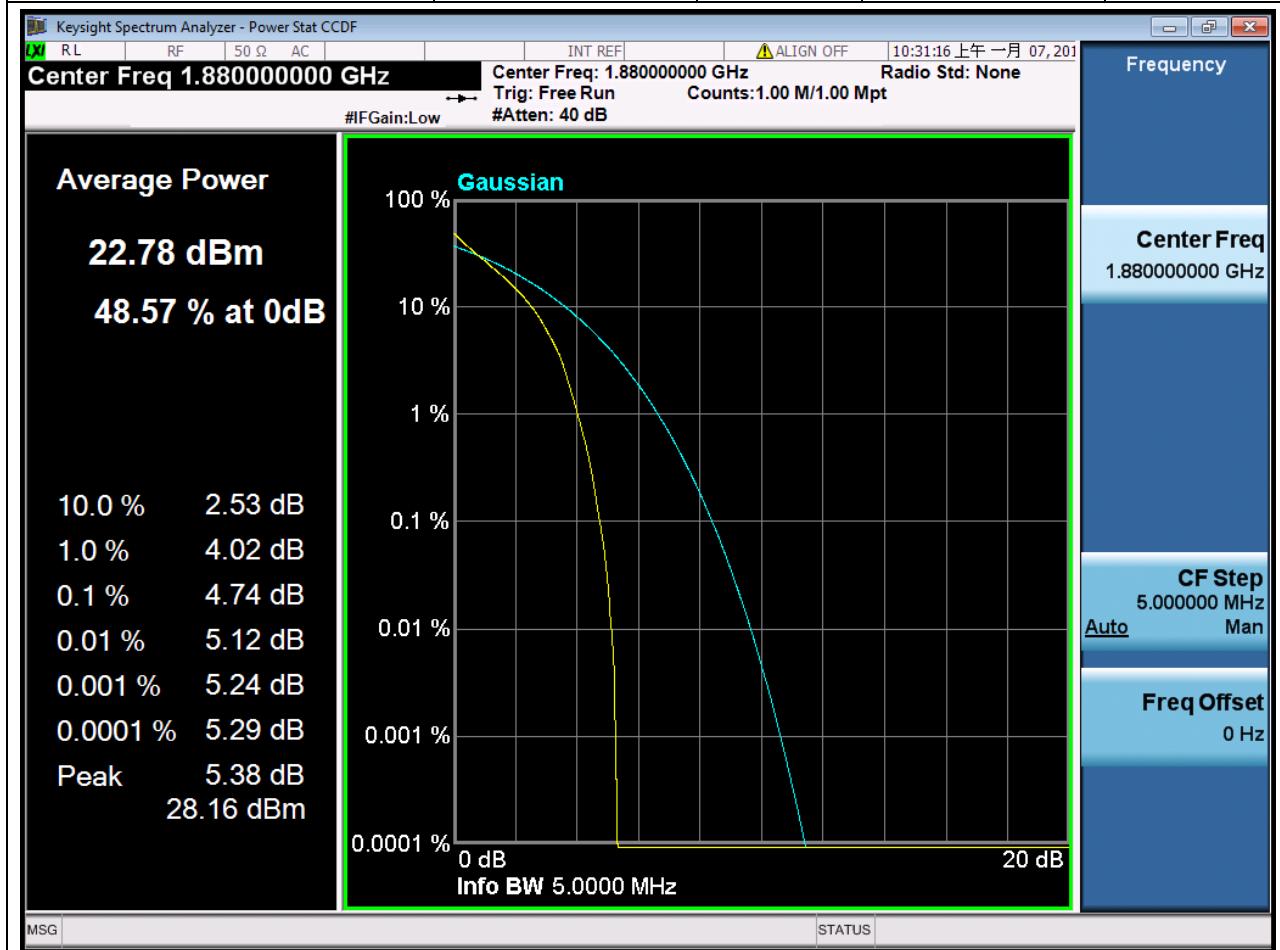
Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	4.1	13	Pass



Percentage	PAR (dB)
10.0 %	2.63 dB
1.0 %	3.84 dB
0.1 %	4.10 dB
0.01 %	4.29 dB
0.001 %	4.51 dB
0.0001 %	4.55 dB
Peak	4.74 dB
	27.54 dBm

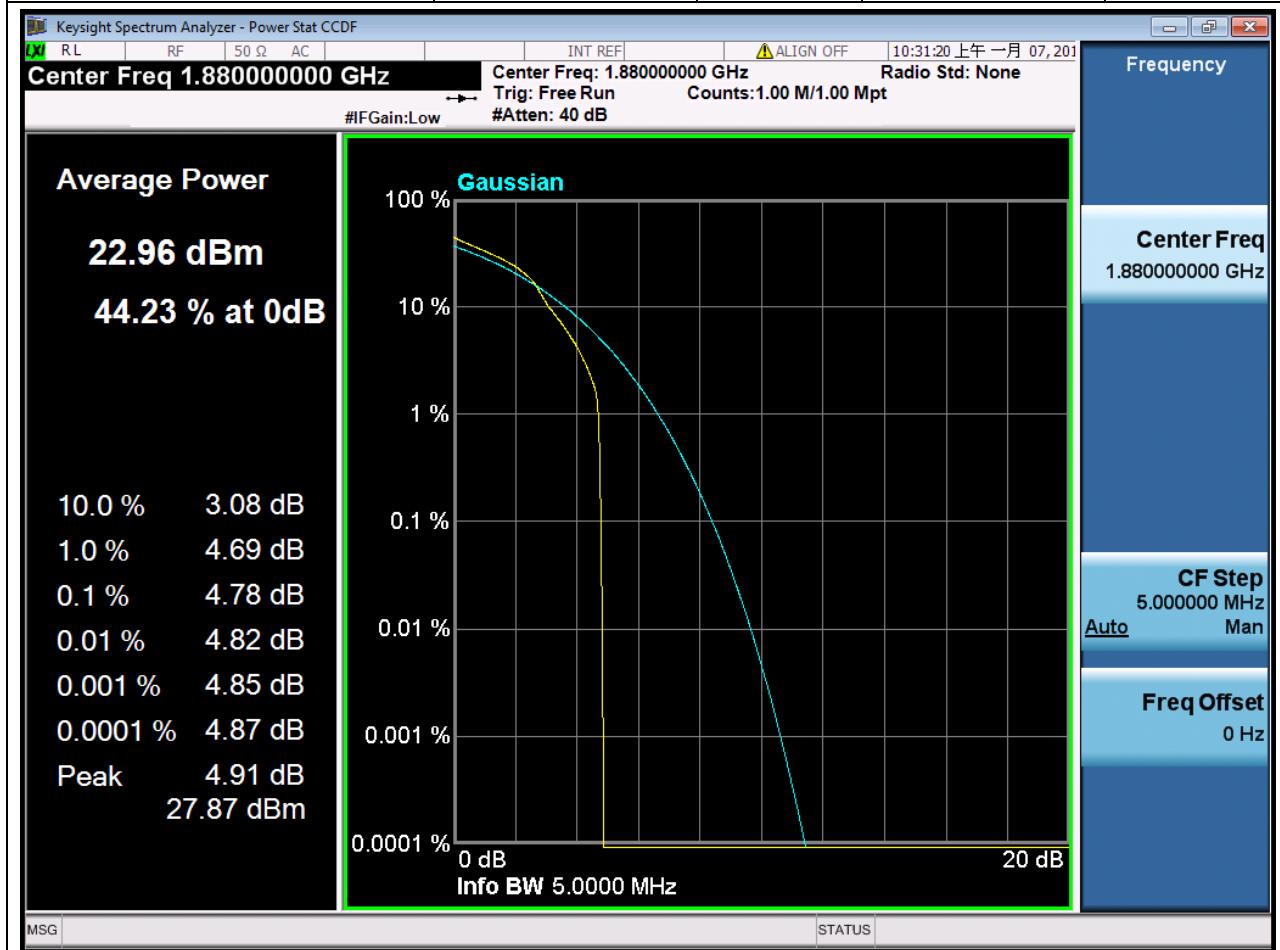
**1.35. LTE Peak to Average Ratio(NTNV)(Subtest:35, Channel:18900, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	4.74	13	Pass



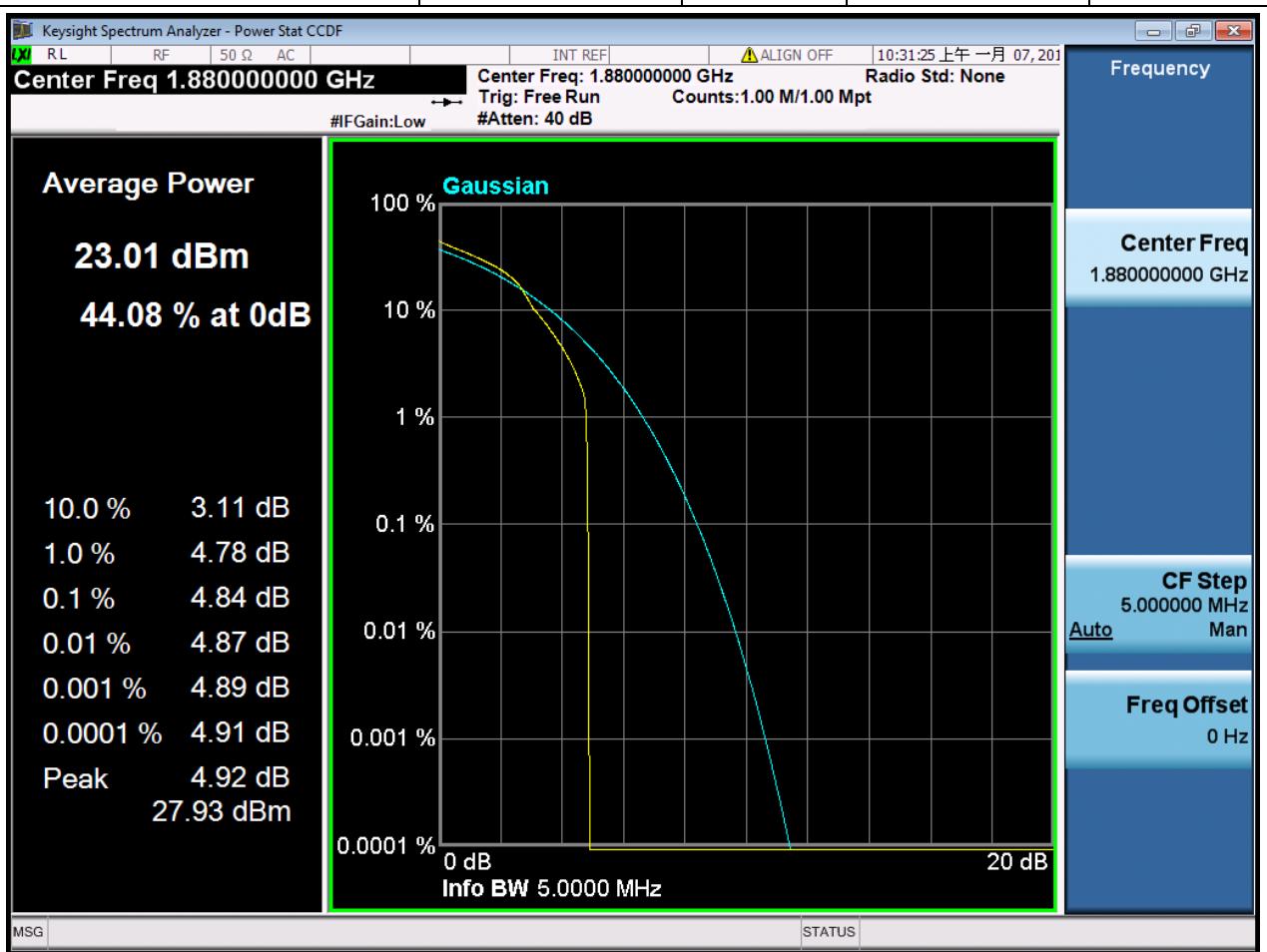
**1.36. LTE Peak to Average Ratio(NTNV)(Subtest:36, Channel:18900, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:LOW)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	4.78	13	Pass



**1.37. LTE Peak to Average Ratio(NTNV)(Subtest:37, Channel:18900, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:MID)**

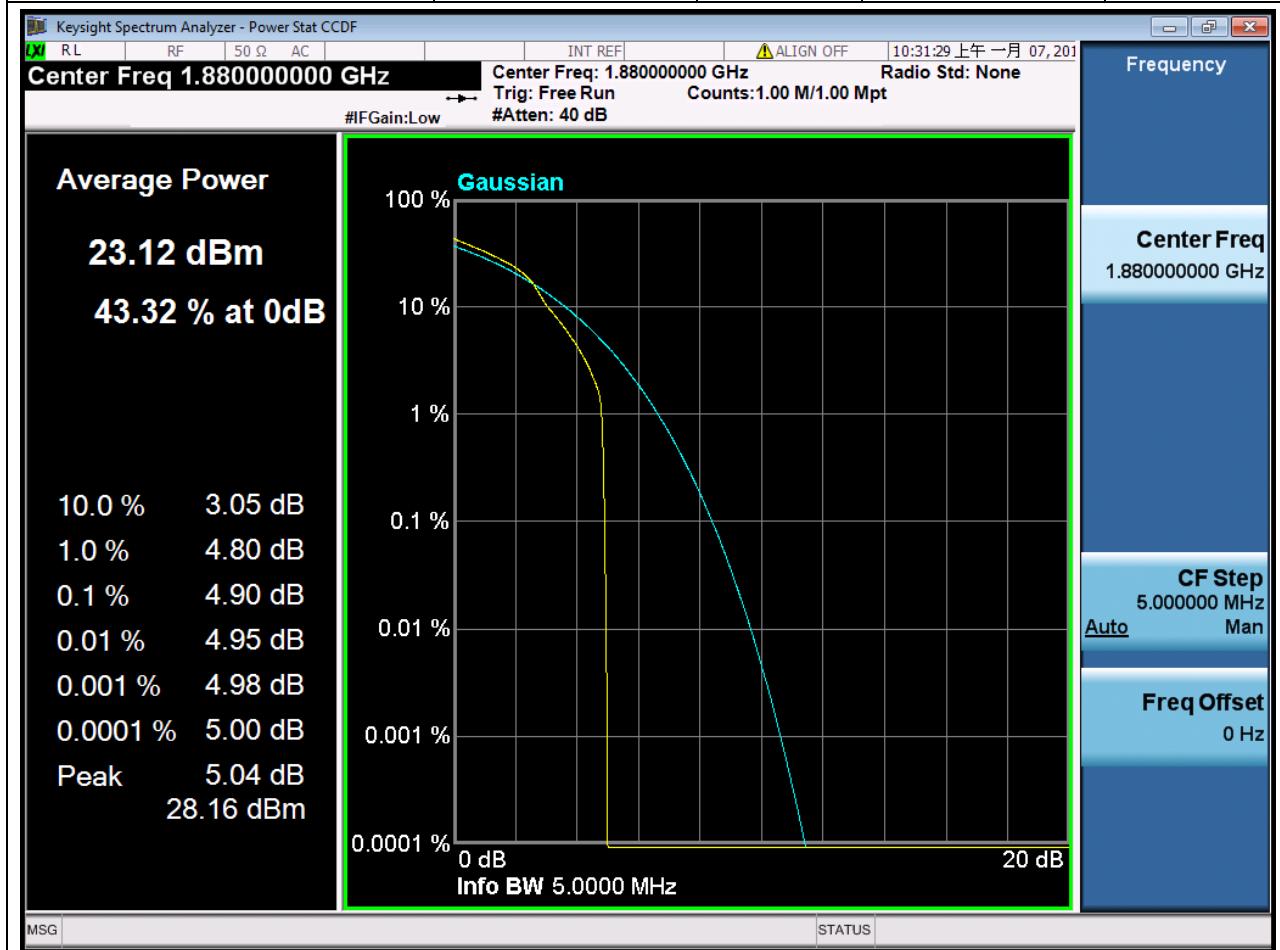
Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	4.84	13	Pass



<b>Average Power</b>	
<b>23.01 dBm</b>	
<b>44.08 % at 0dB</b>	
10.0 %	3.11 dB
1.0 %	4.78 dB
0.1 %	4.84 dB
0.01 %	4.87 dB
0.001 %	4.89 dB
0.0001 %	4.91 dB
Peak	4.92 dB
27.93 dBm	

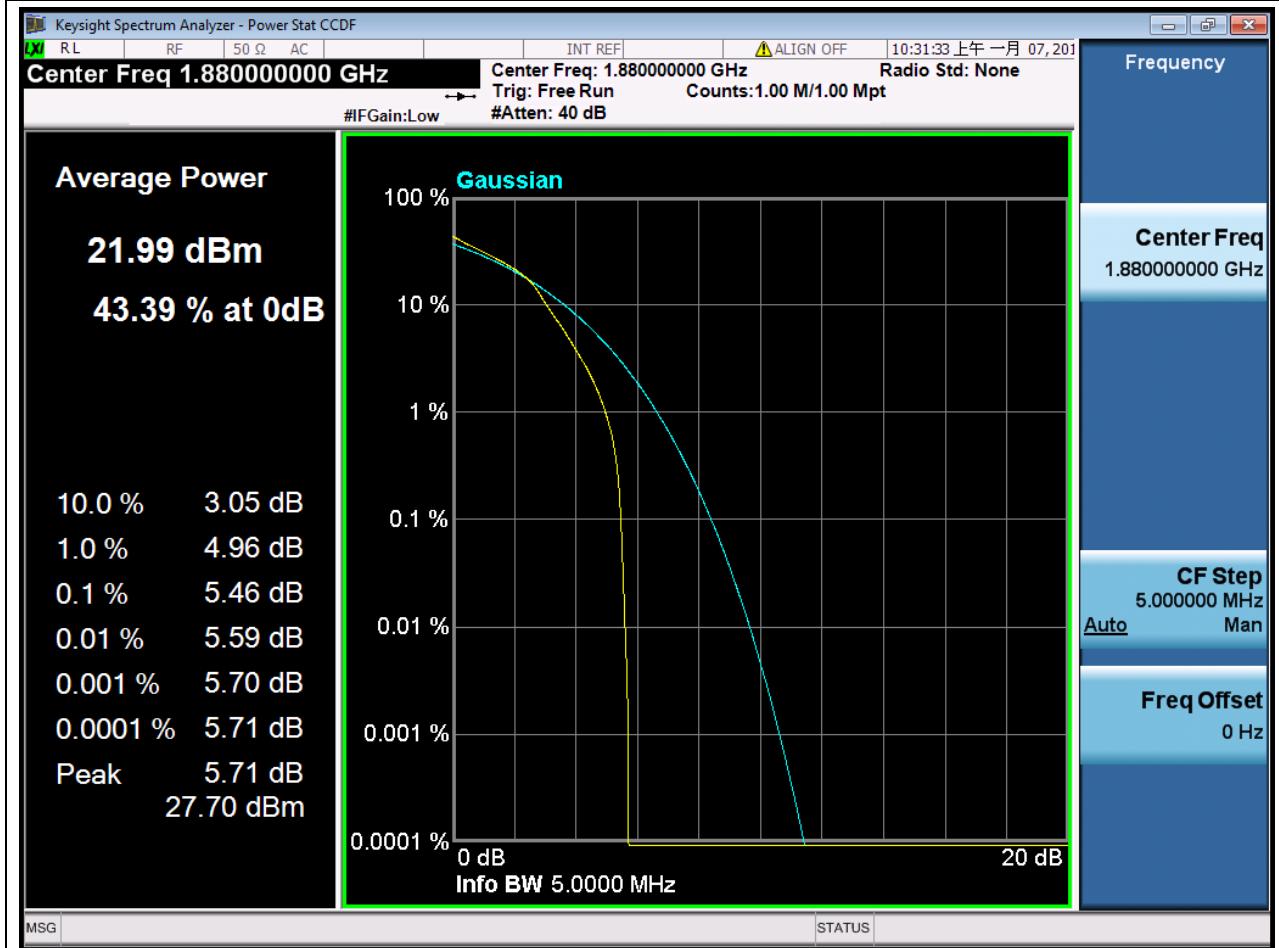
**1.38. LTE Peak to Average Ratio(NTNV)(Subtest:38, Channel:18900, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:HIGH)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	4.9	13	Pass



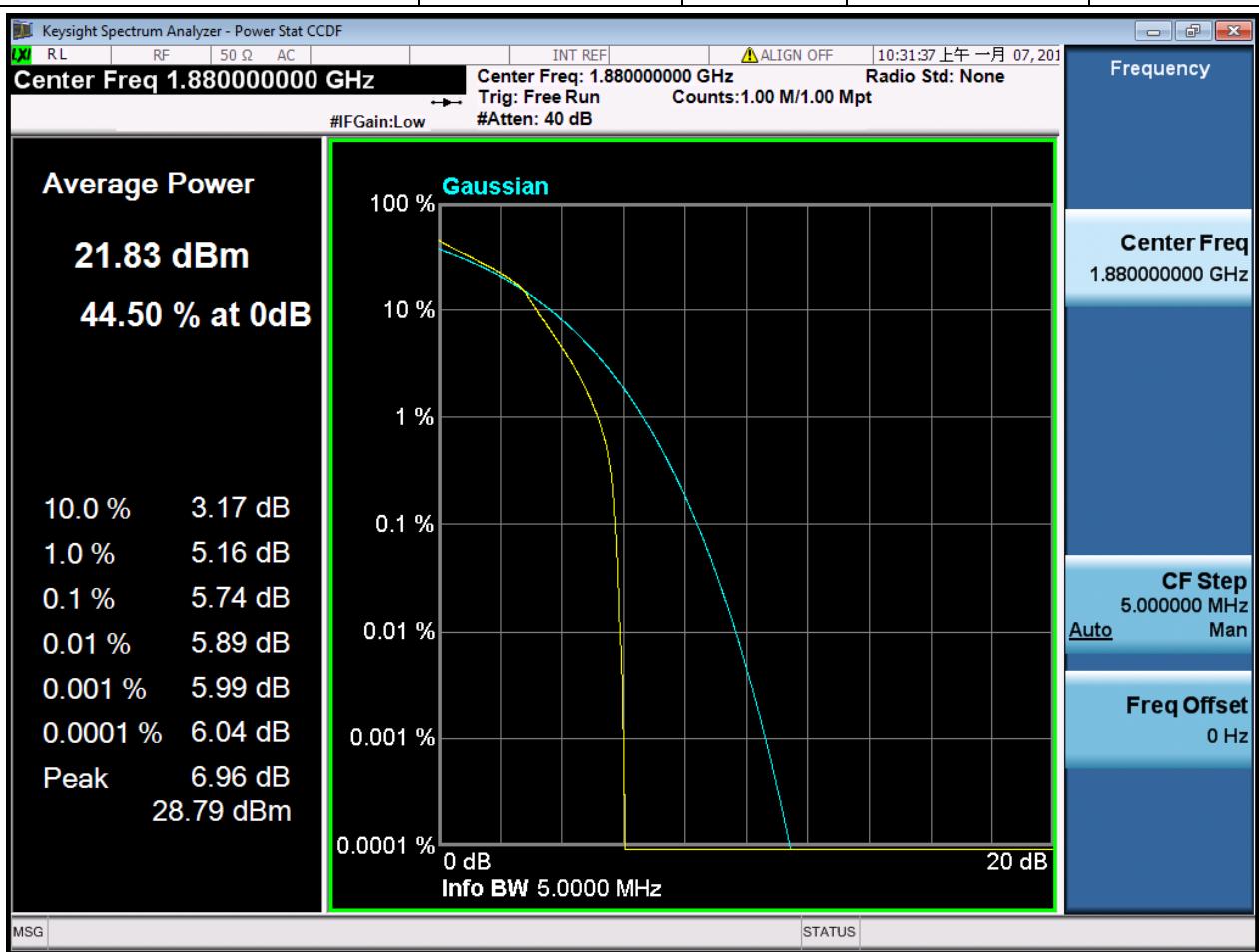
**1.39. LTE Peak to Average Ratio(NTNV)(Subtest:39, Channel:18900, Bandwidth:5, Modulation:Q16, RB Number: 12, RB Position:LOW)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	5.46	13	Pass



**1.40. LTE Peak to Average Ratio(NTNV)(Subtest:40, Channel:18900, Bandwidth:5, Modulation:Q16, RB Number: 12, RB Position:MID)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	5.74	13	Pass



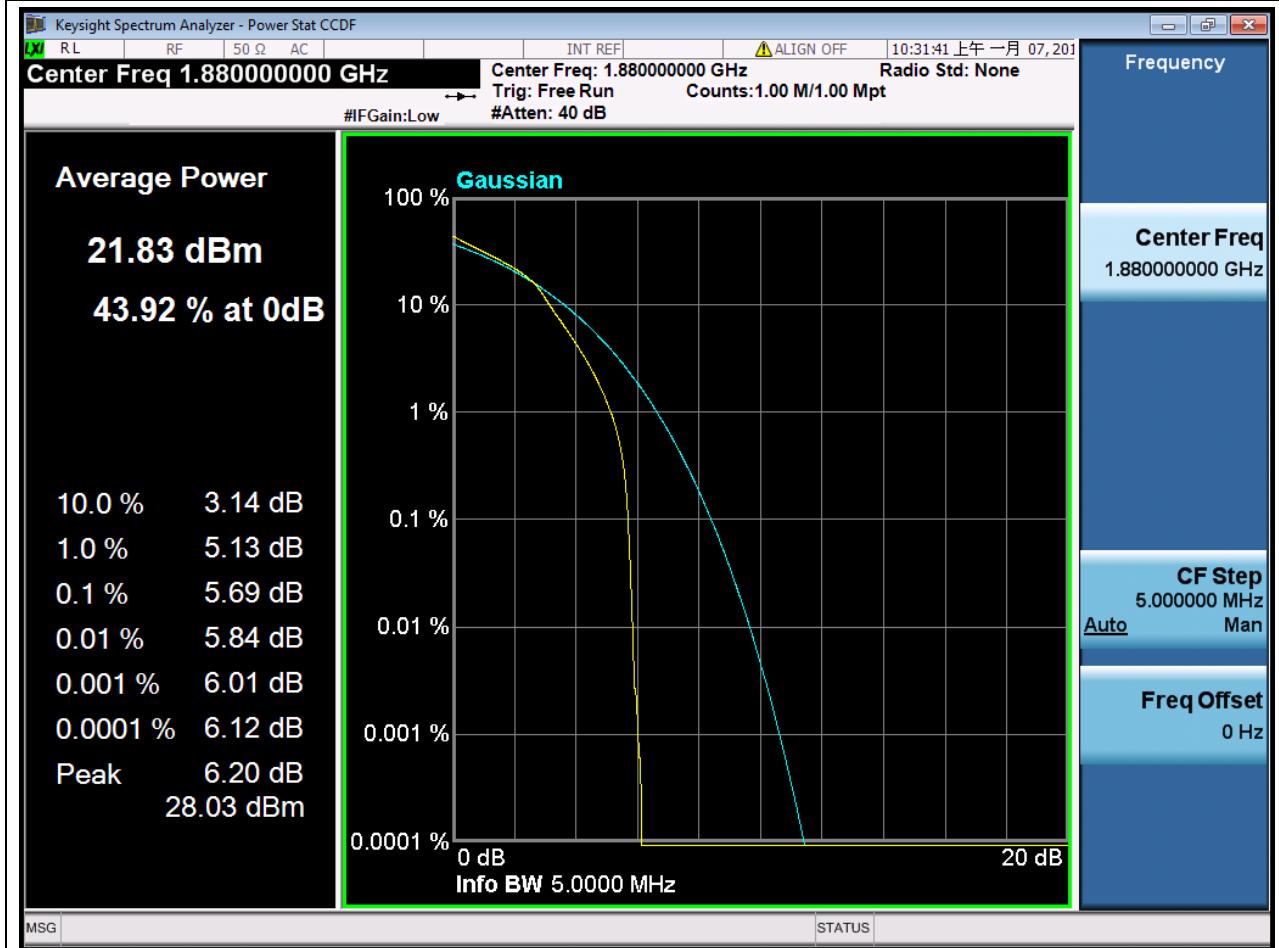
Average Power  
21.83 dBm  
44.50 % at 0dB

10.0 %	3.17 dB
1.0 %	5.16 dB
0.1 %	5.74 dB
0.01 %	5.89 dB
0.001 %	5.99 dB
0.0001 %	6.04 dB
Peak	6.96 dB
	28.79 dBm

MSG STATUS

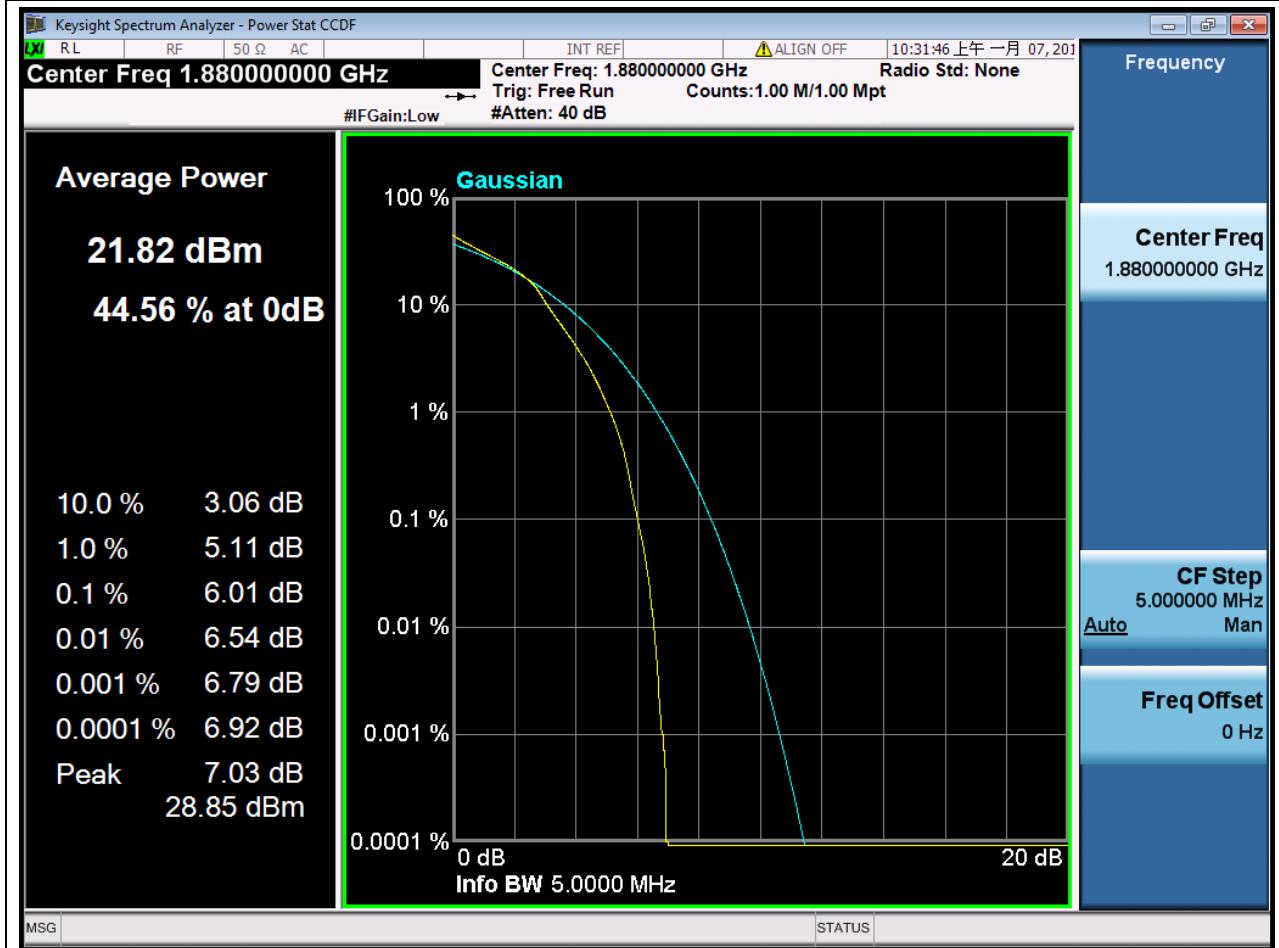
**1.41. LTE Peak to Average Ratio(NTNV)(Subtest:41, Channel:18900, Bandwidth:5, Modulation:Q16, RB Number: 12, RB Position:HIGH)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	5.69	13	Pass



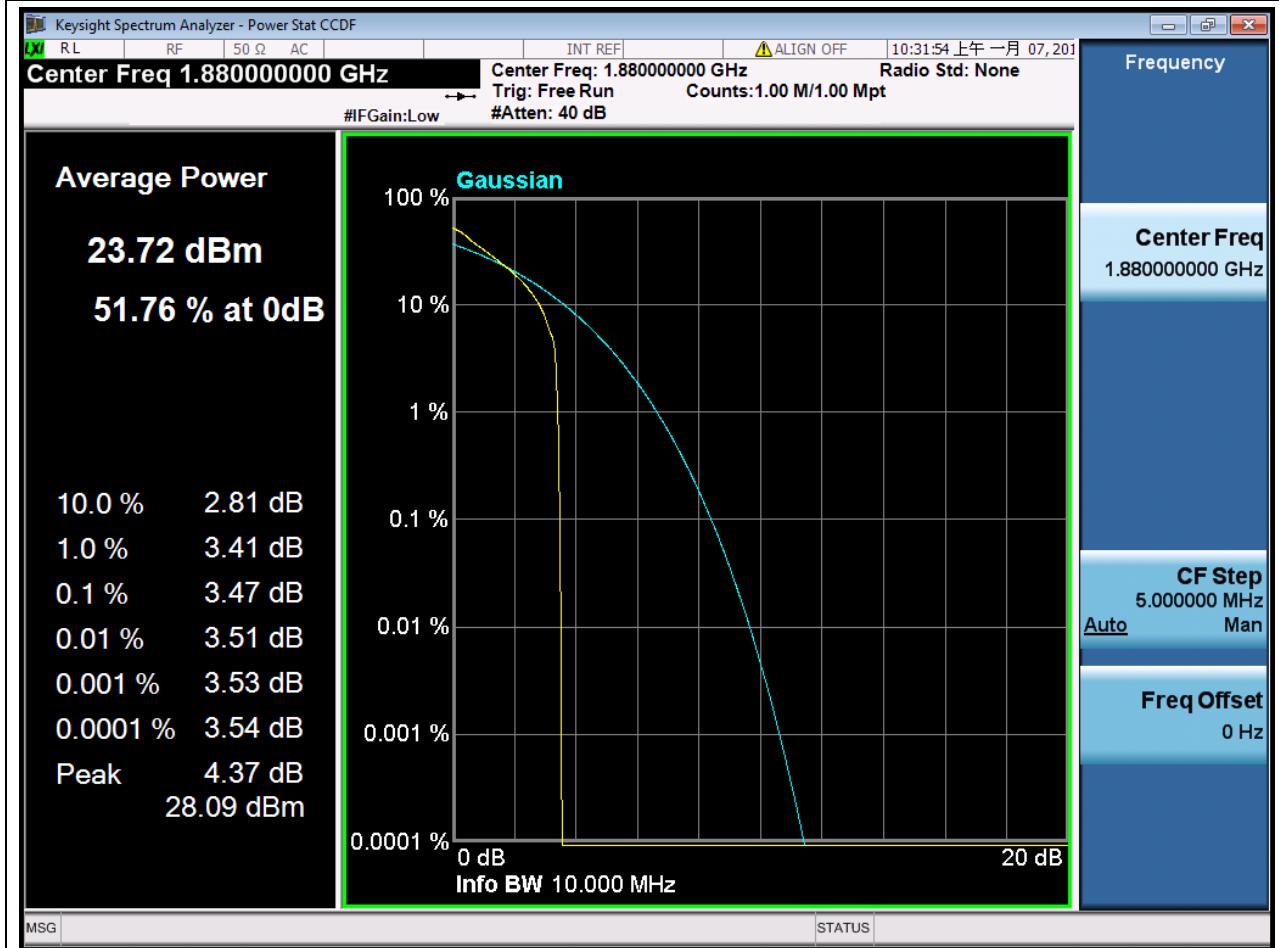
**1.42. LTE Peak to Average Ratio(NTNV)(Subtest:42, Channel:18900, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	6.01	13	Pass



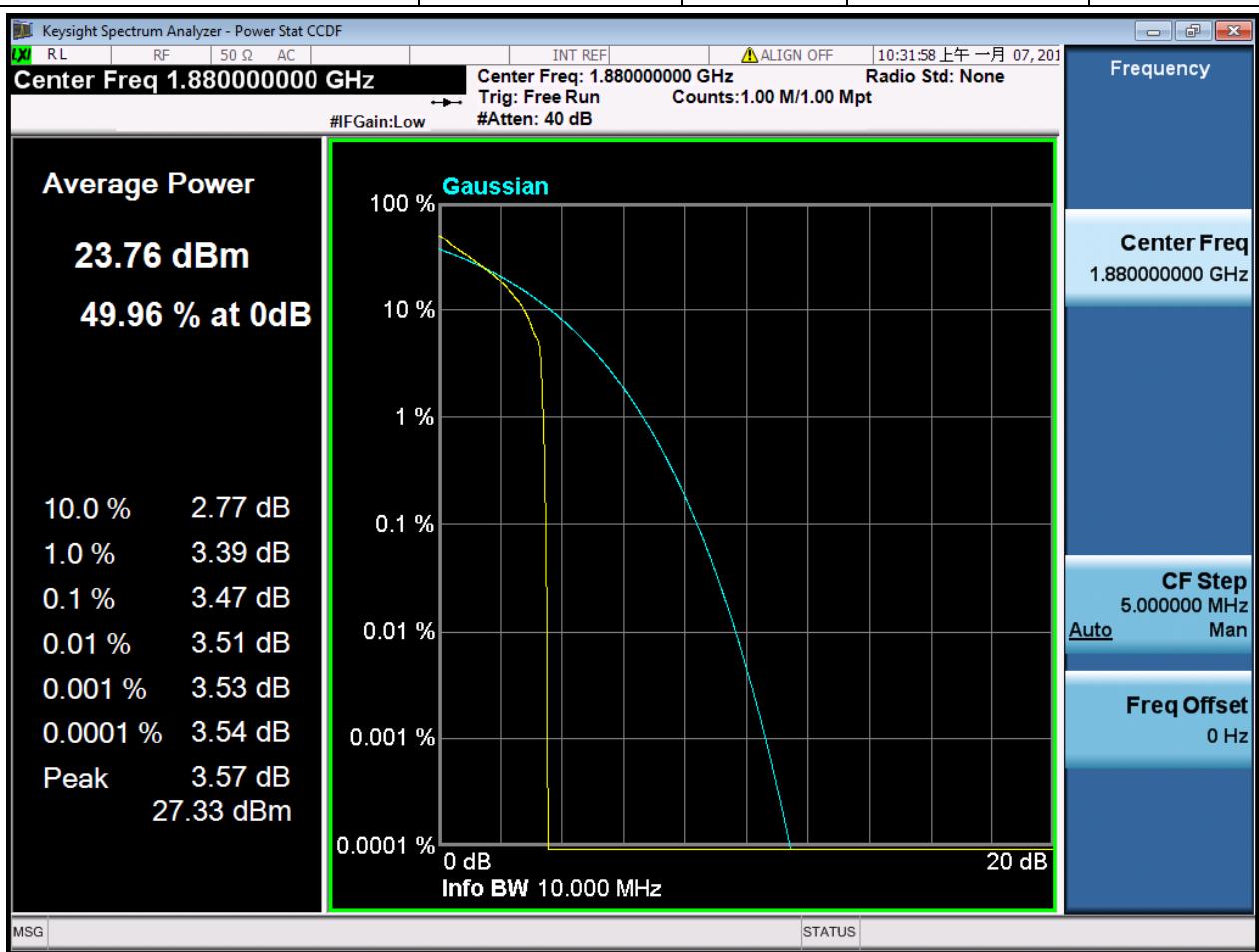
**1.43. LTE Peak to Average Ratio(NTNV)(Subtest:43, Channel:18900, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	3.47	13	Pass



**1.44. LTE Peak to Average Ratio(NTNV)(Subtest:44, Channel:18900, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:MID)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	3.47	13	Pass



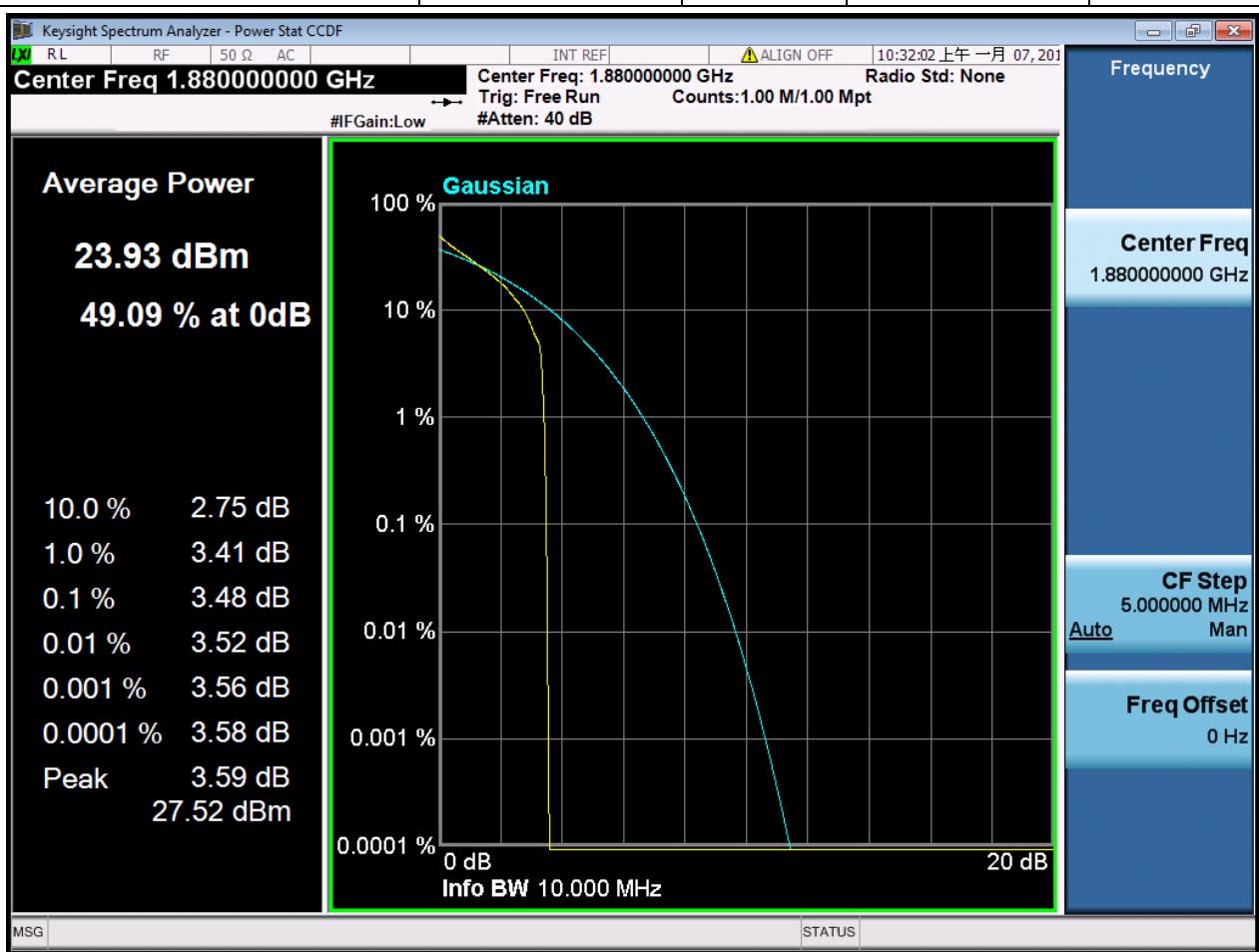
Average Power  
23.76 dBm  
49.96 % at 0dB

10.0 %	2.77 dB
1.0 %	3.39 dB
0.1 %	3.47 dB
0.01 %	3.51 dB
0.001 %	3.53 dB
0.0001 %	3.54 dB
Peak	3.57 dB
	27.33 dBm

MSG STATUS

**1.45. LTE Peak to Average Ratio(NTNV)(Subtest:45, Channel:18900, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:HIGH)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	3.48	13	Pass



Average Power  
23.93 dBm  
49.09 % at 0dB

10.0 %	2.75 dB
1.0 %	3.41 dB
0.1 %	3.48 dB
0.01 %	3.52 dB
0.001 %	3.56 dB
0.0001 %	3.58 dB
Peak	3.59 dB
	27.52 dBm

Center Freq 1.880000000 GHz

Center Freq: 1.880000000 GHz  
Trig: Free Run Counts: 1.00 M/1.00 Mpt  
#IFGain:Low #Atten: 40 dB

Frequency

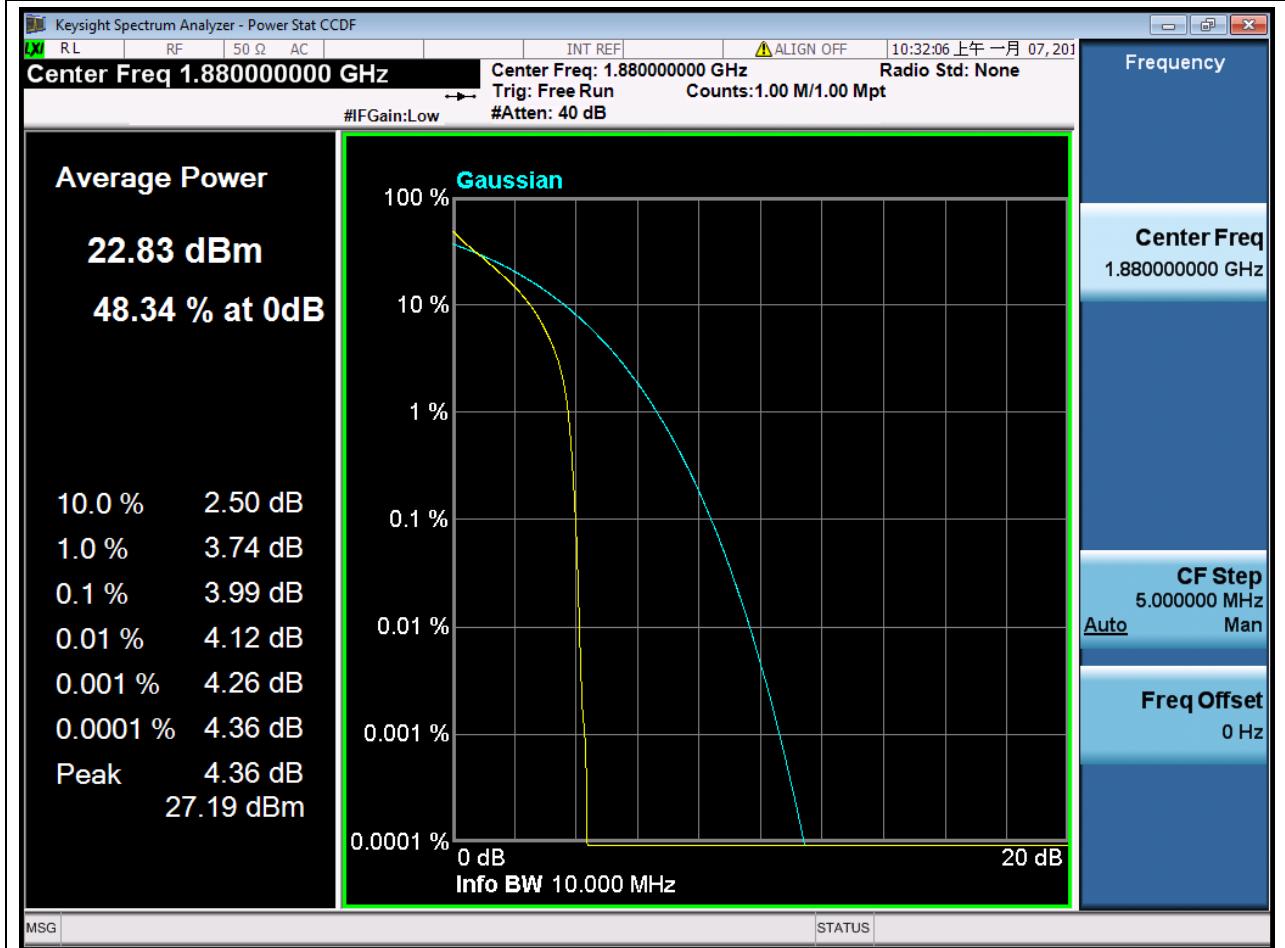
CF Step 5.000000 MHz  
Auto Man

Freq Offset 0 Hz

MSG STATUS

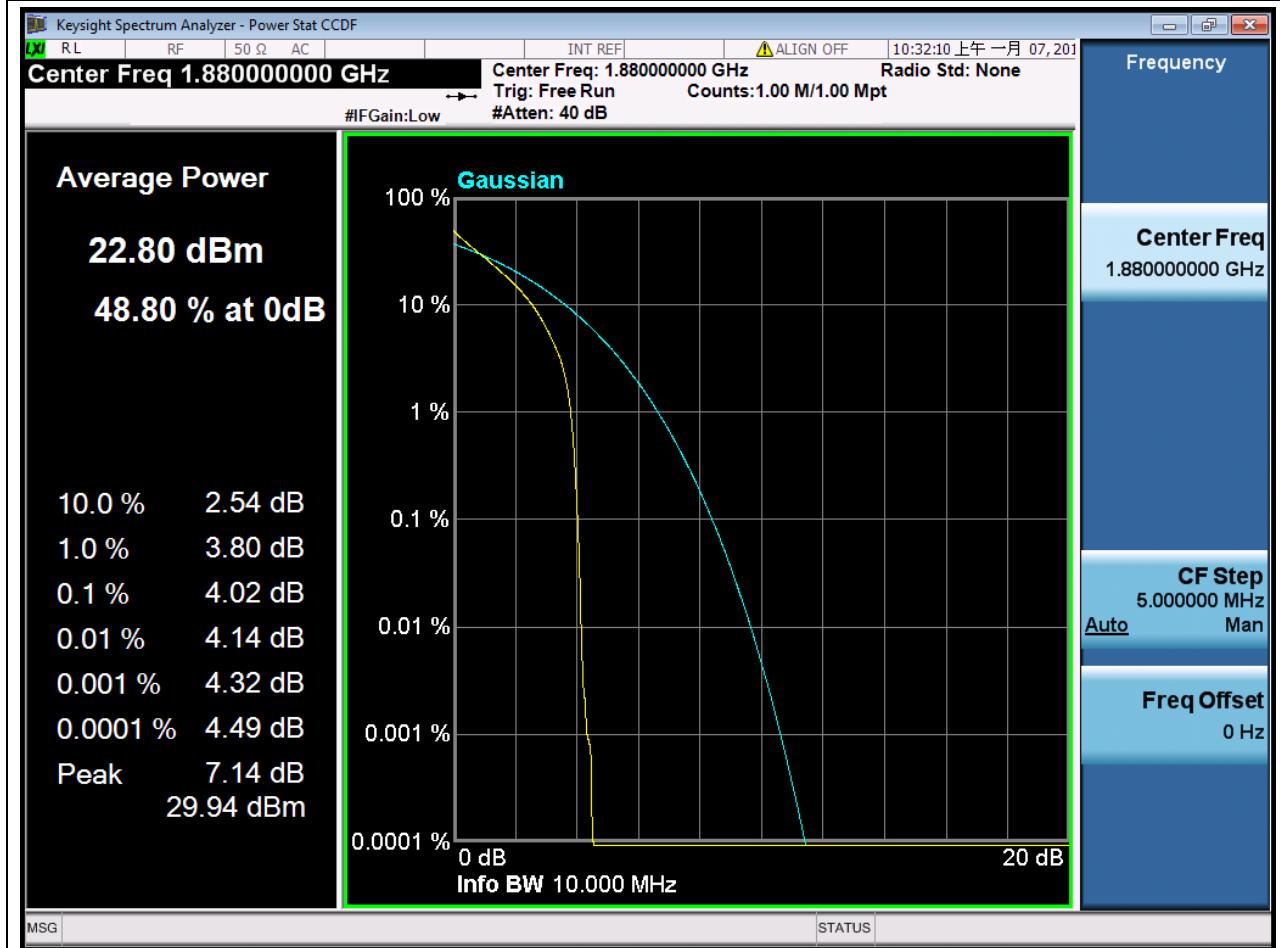
**1.46. LTE Peak to Average Ratio(NTNV)(Subtest:46, Channel:18900, Bandwidth:10, Modulation:QPSK, RB Number: 25, RB Position:LOW)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	3.99	13	Pass



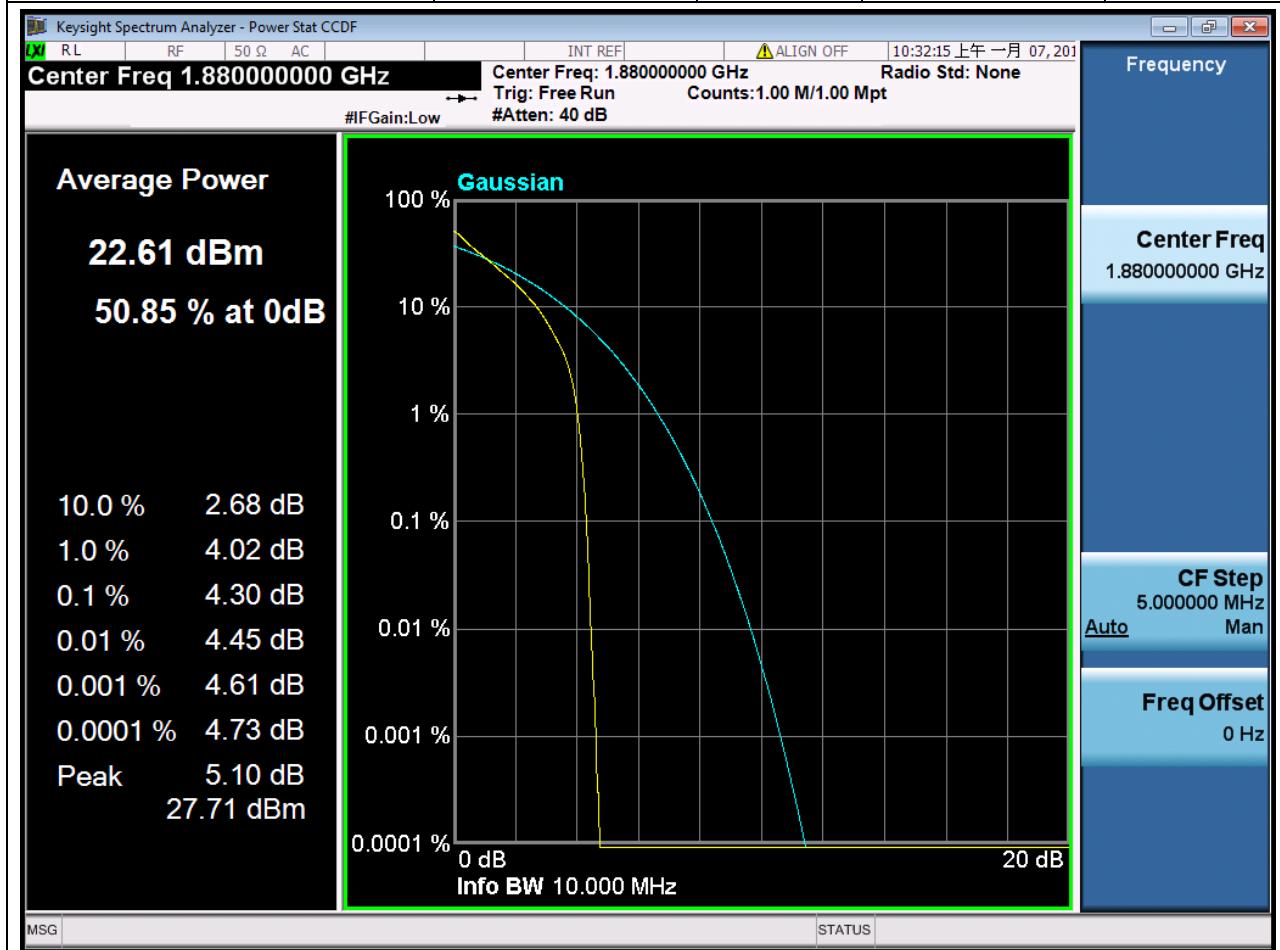
**1.47. LTE Peak to Average Ratio(NTNV)(Subtest:47, Channel:18900, Bandwidth:10, Modulation:QPSK, RB Number: 25, RB Position:MID)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	4.02	13	Pass



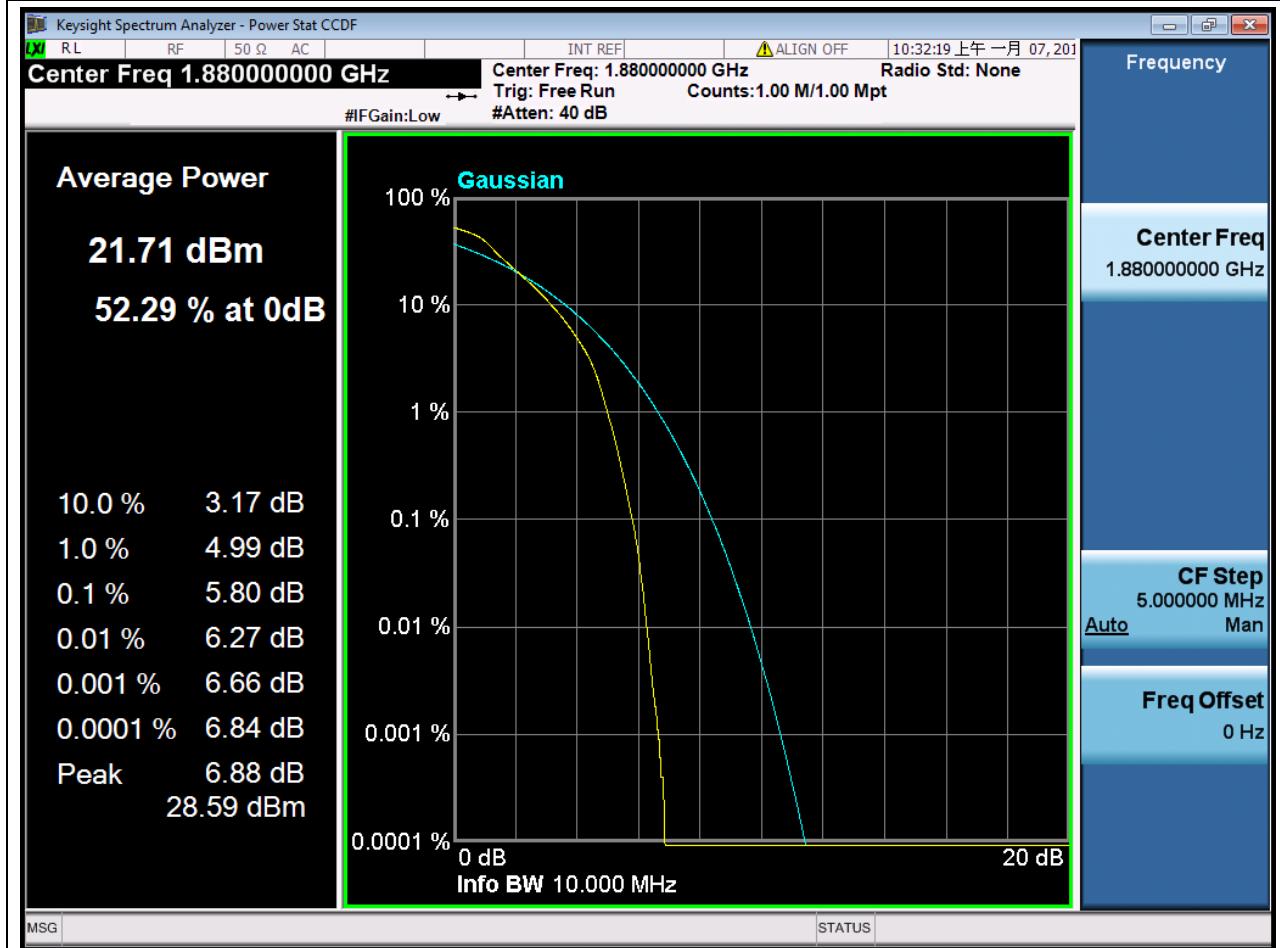
**1.48. LTE Peak to Average Ratio(NTNV)(Subtest:48, Channel:18900, Bandwidth:10, Modulation:QPSK, RB Number: 25, RB Position:HIGH)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	4.3	13	Pass



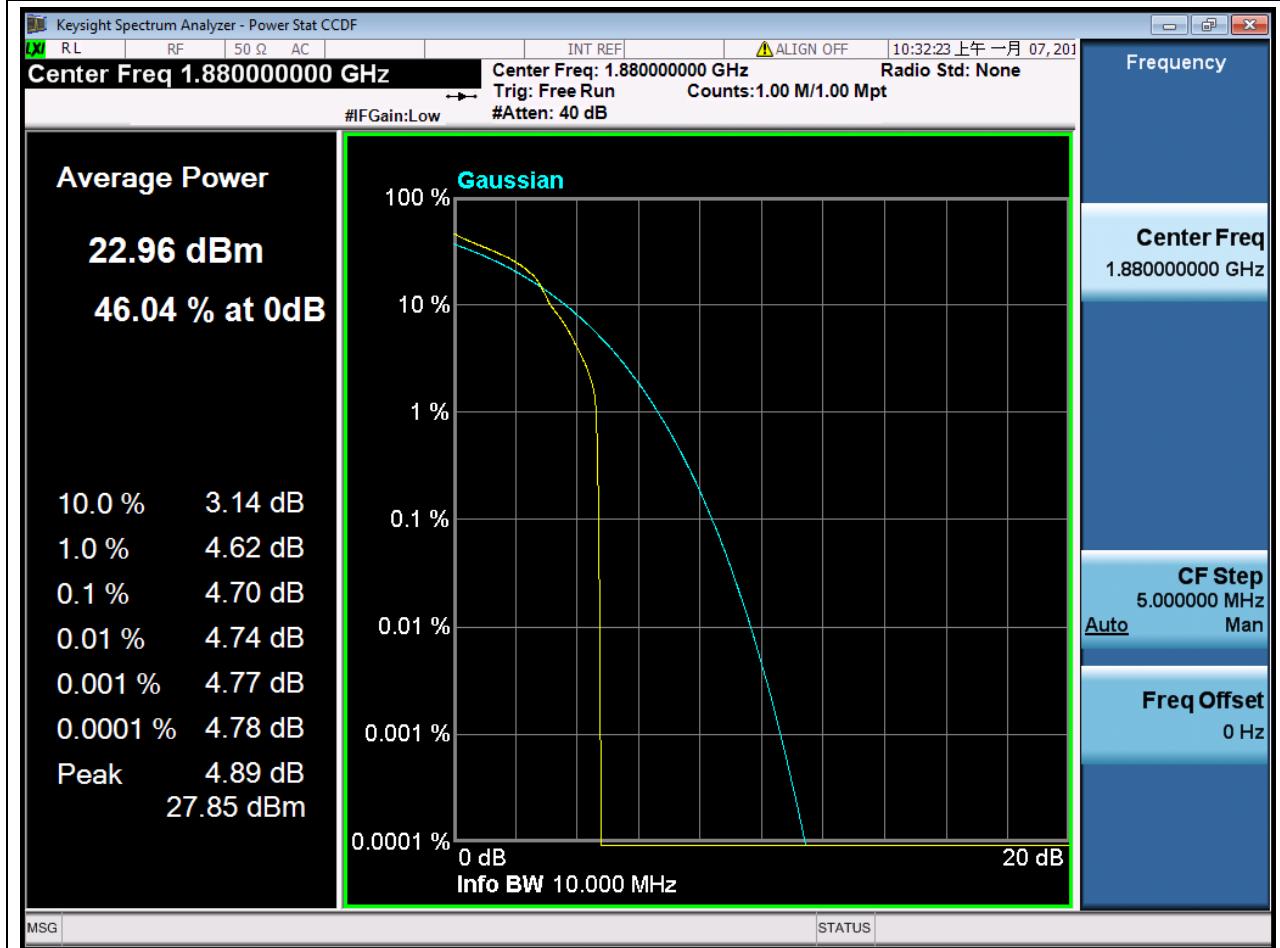
**1.49. LTE Peak to Average Ratio(NTNV)(Subtest:49, Channel:18900, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	5.8	13	Pass



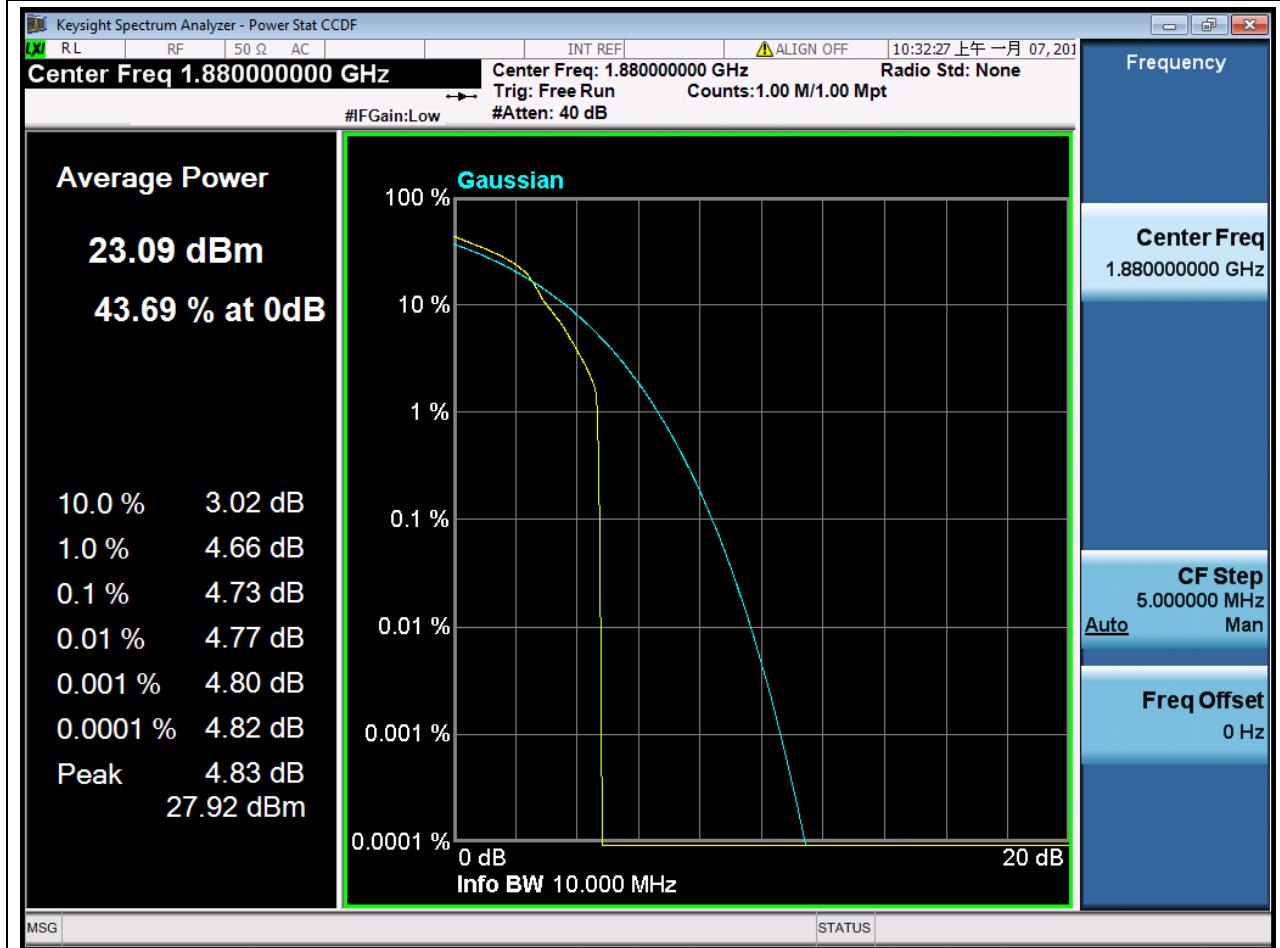
**1.50. LTE Peak to Average Ratio(NTNV)(Subtest:50, Channel:18900, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:LOW)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	4.7	13	Pass



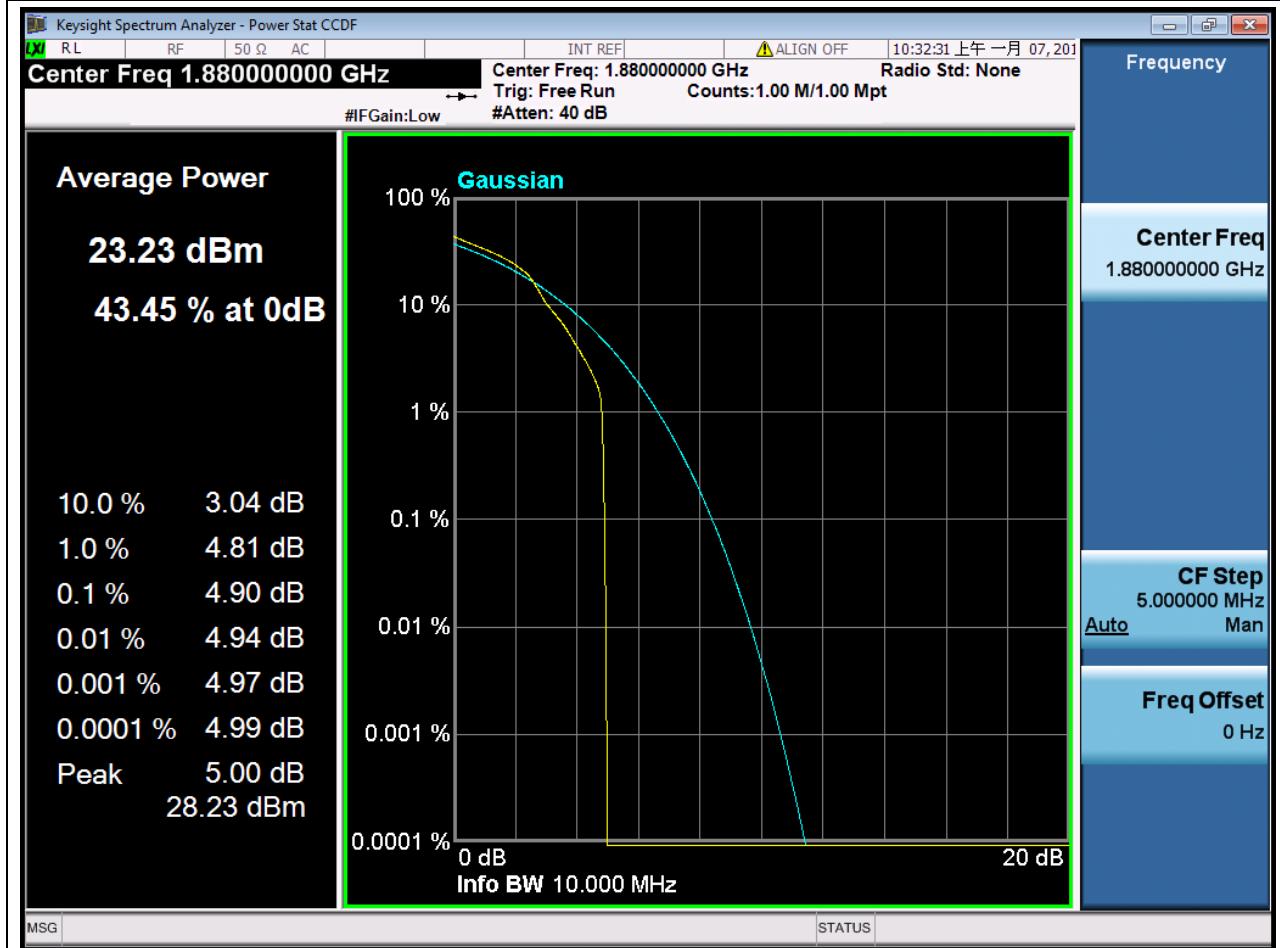
**1.51. LTE Peak to Average Ratio(NTNV)(Subtest:51, Channel:18900, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:MID)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	4.73	13	Pass



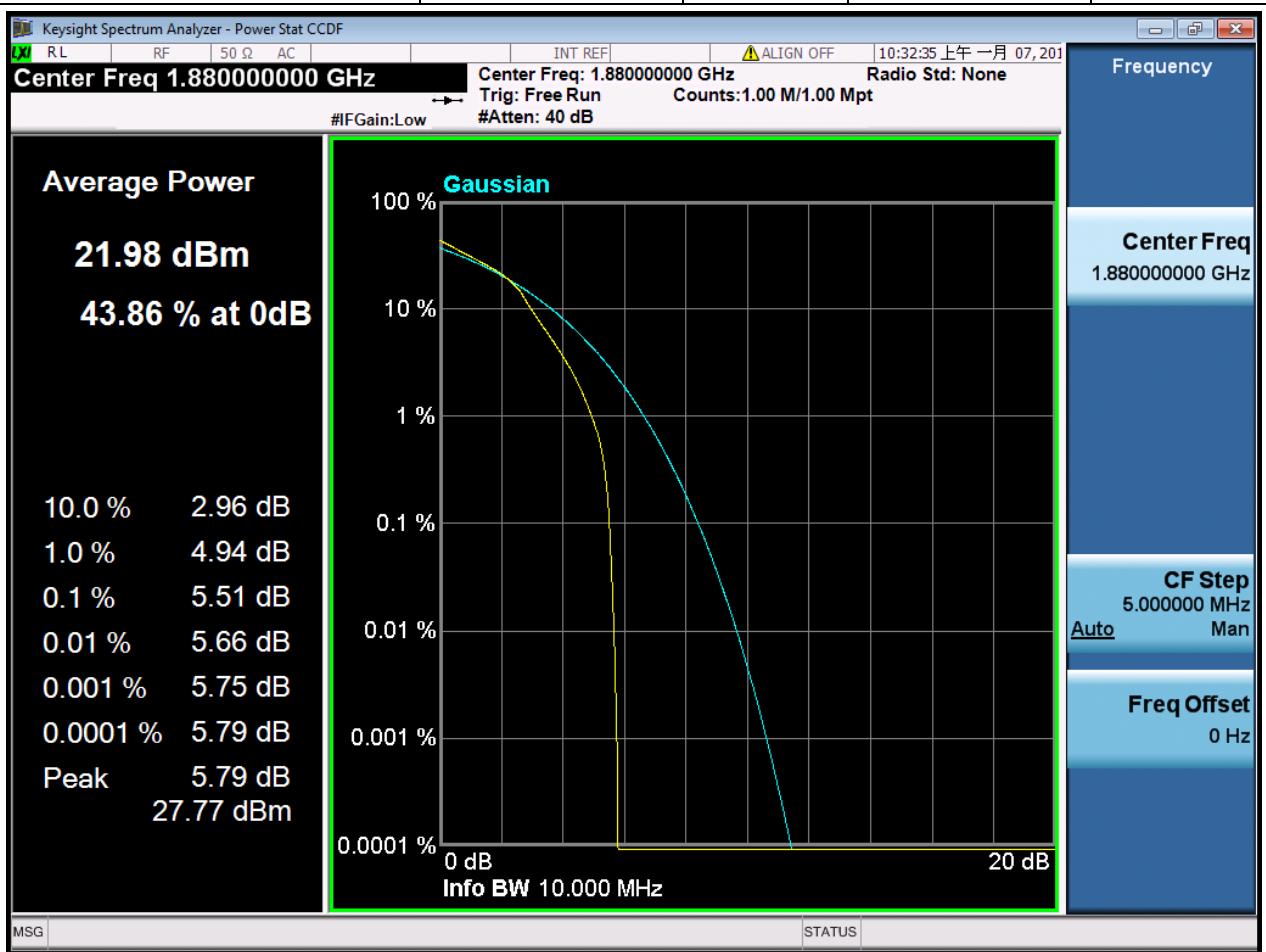
**1.52. LTE Peak to Average Ratio(NTNV)(Subtest:52, Channel:18900, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:HIGH)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	4.89	13	Pass



**1.53. LTE Peak to Average Ratio(NTNV)(Subtest:53, Channel:18900, Bandwidth:10, Modulation:Q16, RB Number: 25, RB Position:LOW)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	5.51	13	Pass



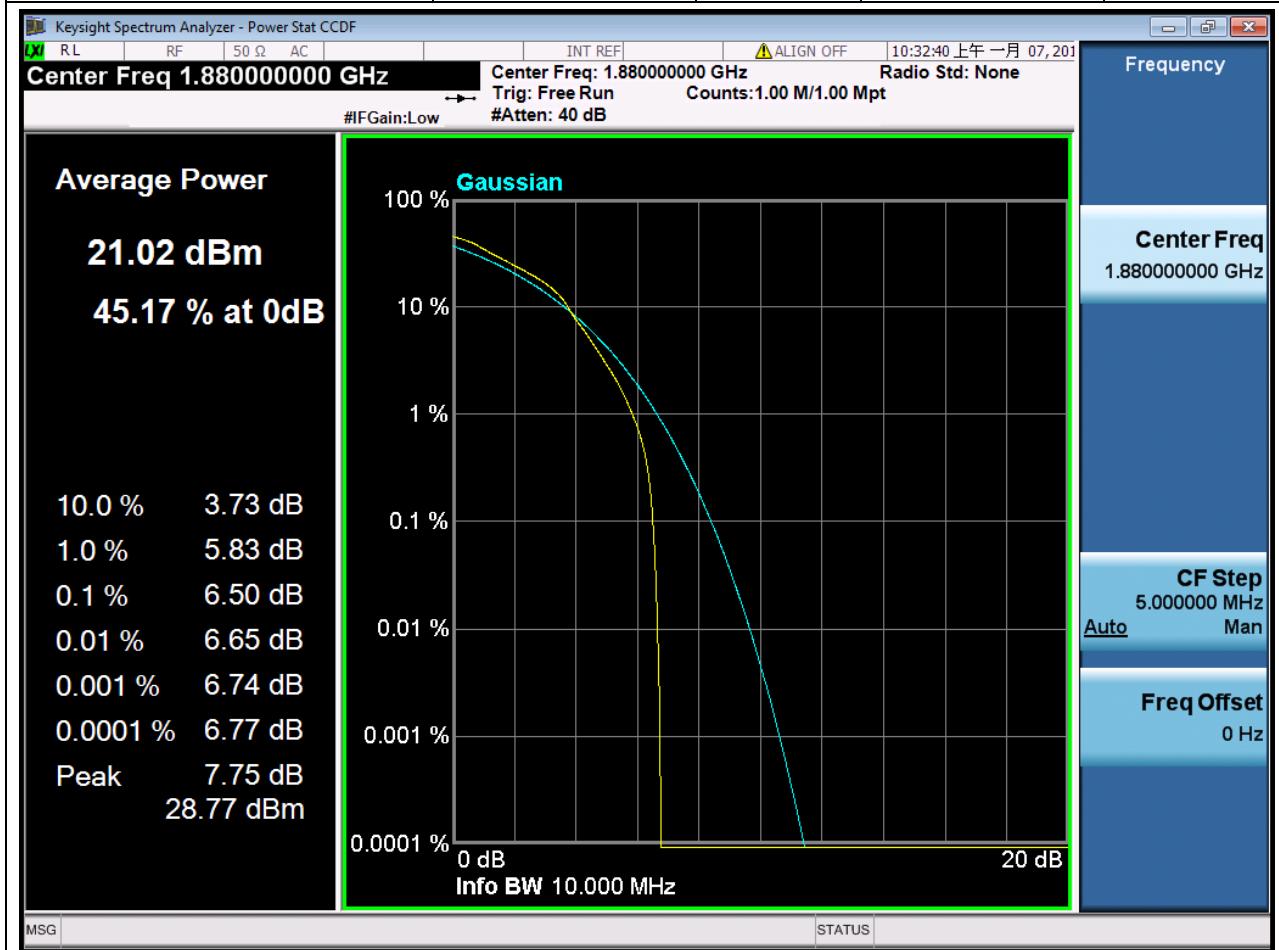
The screenshot shows the Keysight Spectrum Analyzer software interface for a Power Stat CCDF analysis. The main window displays a Gaussian cumulative distribution curve on a log-linear scale. The x-axis represents power in dB (0 dB to 20 dB) and the y-axis represents percentage (0.0001 % to 100 %). A yellow vertical line marks the peak power at 27.77 dBm. The center frequency is set to 1.880000000 GHz. The left panel provides detailed statistics:

Average Power	21.98 dBm
10.0 %	2.96 dB
1.0 %	4.94 dB
0.1 %	5.51 dB
0.01 %	5.66 dB
0.001 %	5.75 dB
0.0001 %	5.79 dB
Peak	5.79 dB
	27.77 dBm

Other parameters shown in the interface include Radio Std: None, Trig: Free Run, Counts: 1.00 M/1.00 Mpt, #Atten: 40 dB, and #IFGain:Low.

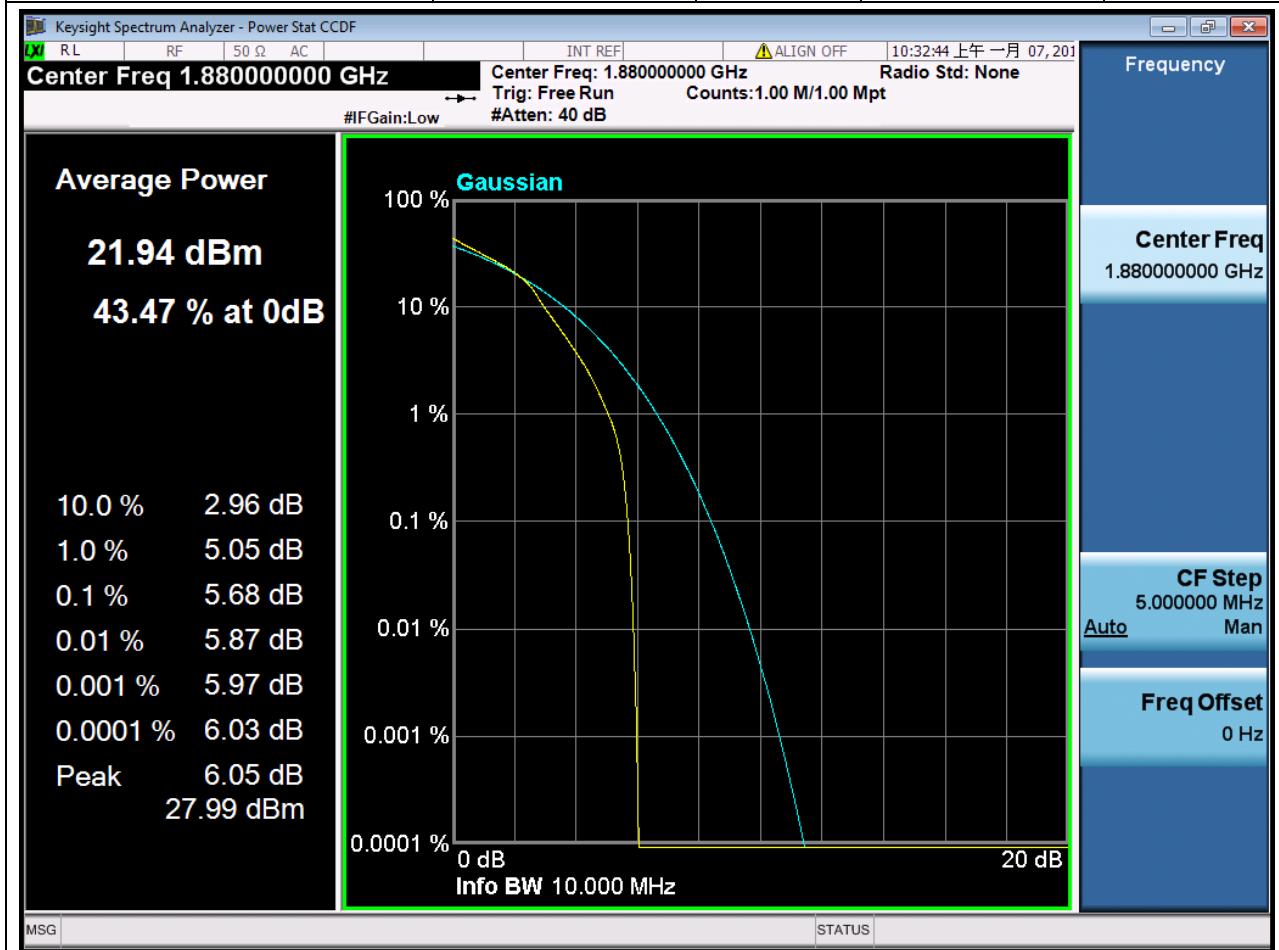
**1.54. LTE Peak to Average Ratio(NTNV)(Subtest:54, Channel:18900, Bandwidth:10, Modulation:Q16, RB Number: 25, RB Position:MID)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	6.5	13	Pass



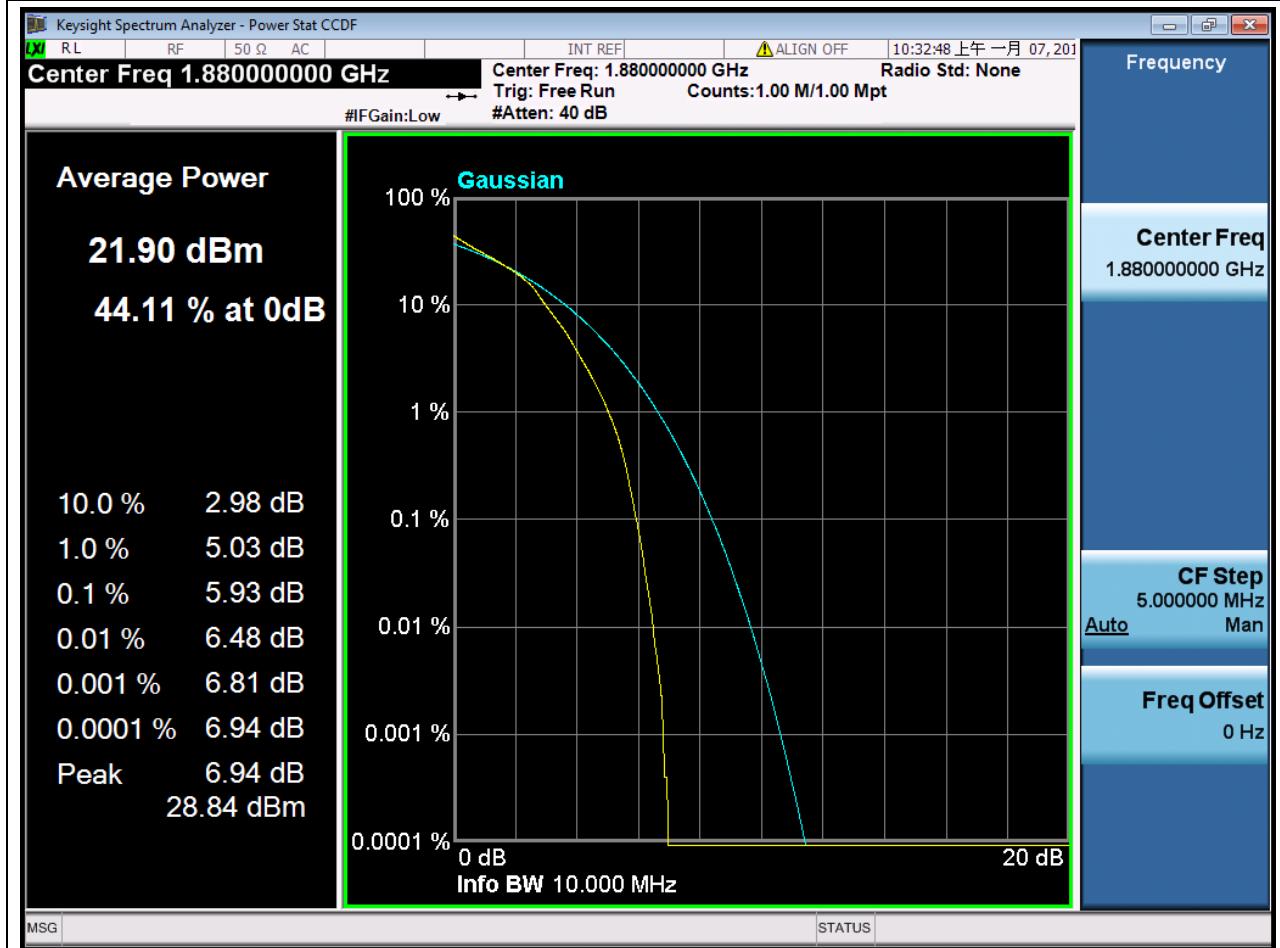
**1.55. LTE Peak to Average Ratio(NTNV)(Subtest:55, Channel:18900, Bandwidth:10, Modulation:Q16, RB Number: 25, RB Position:HIGH)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	5.68	13	Pass



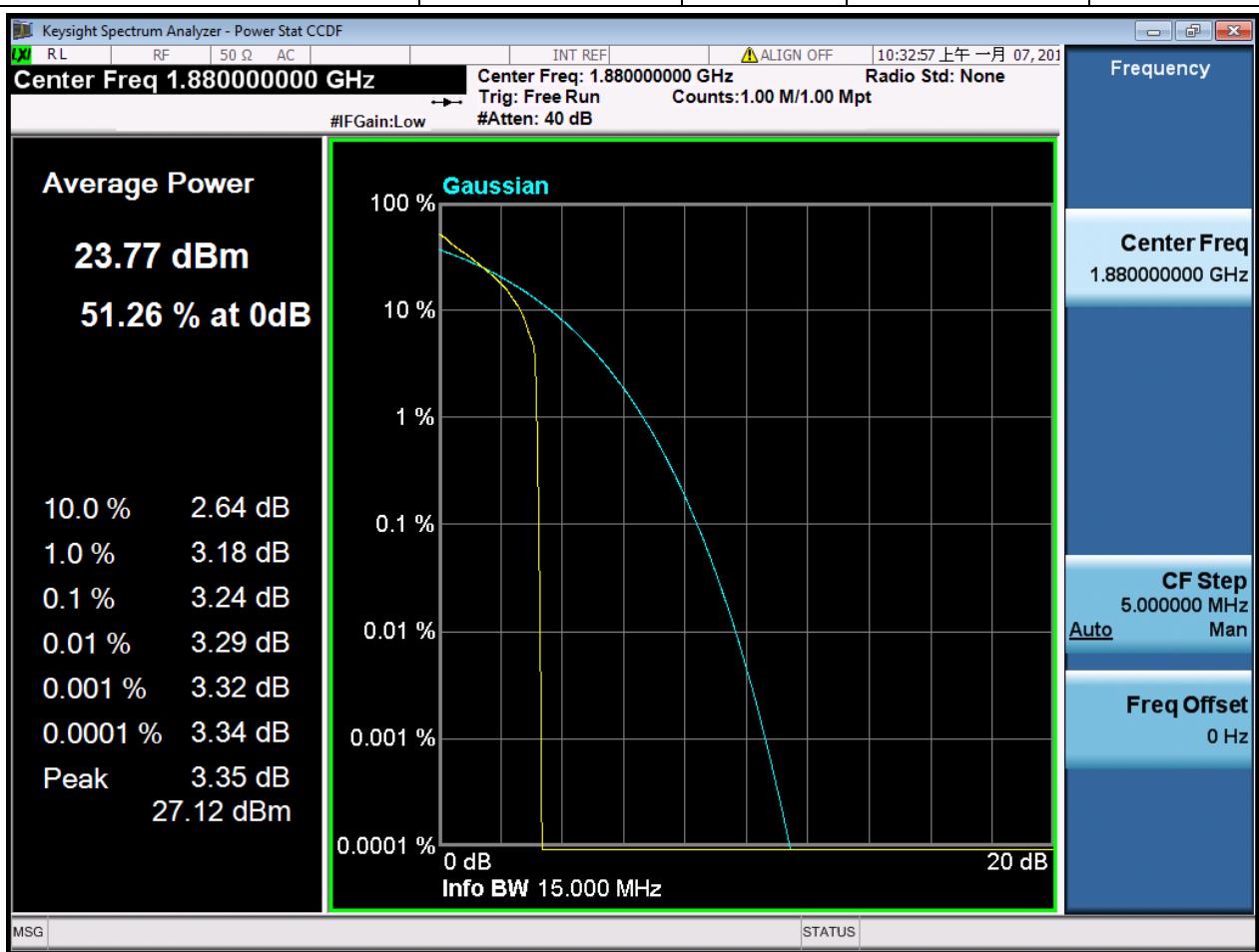
**1.56. LTE Peak to Average Ratio(NTNV)(Subtest:56, Channel:18900, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	5.93	13	Pass



**1.57. LTE Peak to Average Ratio(NTNV)(Subtest:57, Channel:18900, Bandwidth:15, Modulation:QPSK, RB Number: 1, RB Position:LOW)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	3.24	13	Pass



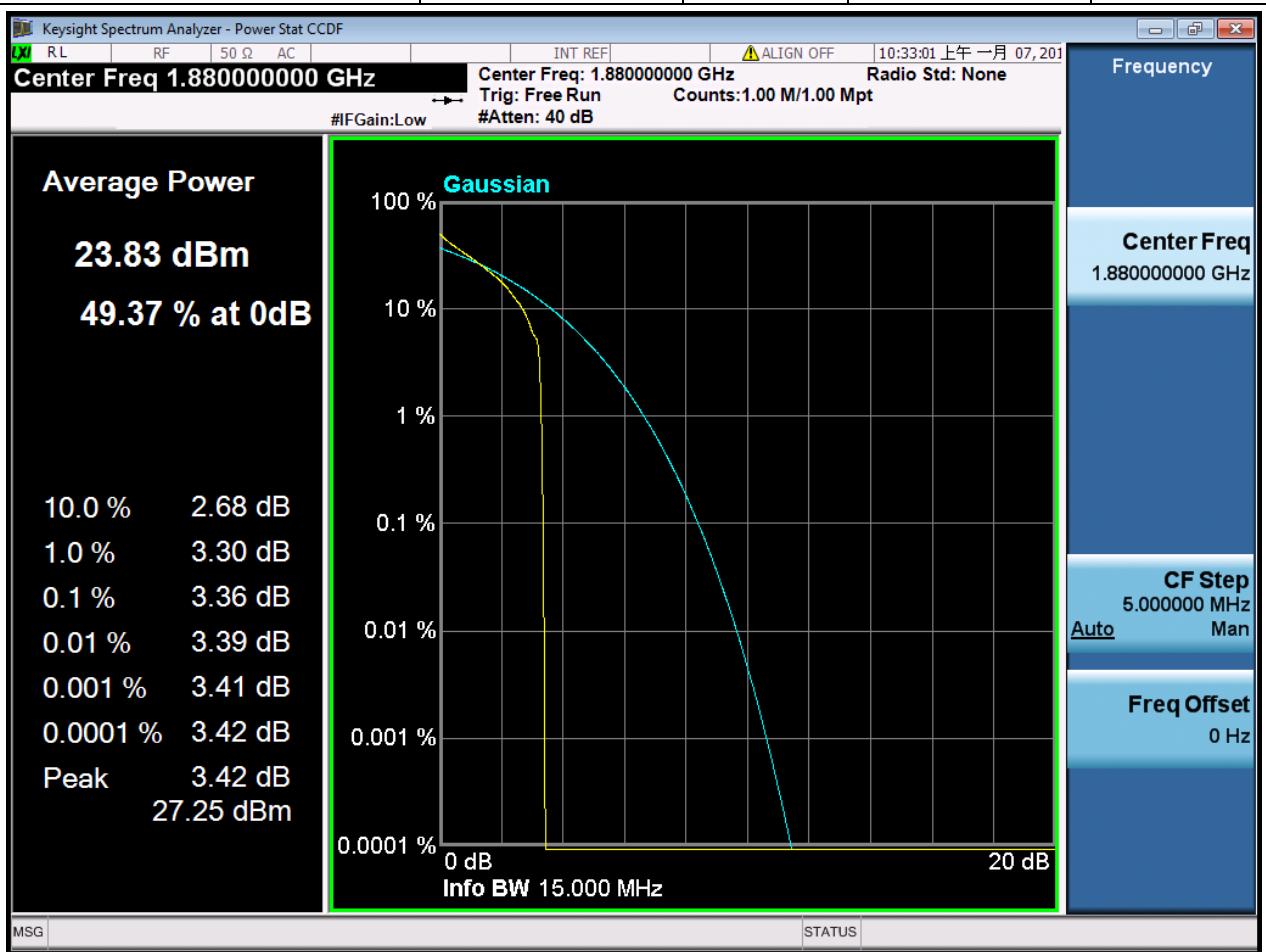
Average Power  
23.77 dBm  
51.26 % at 0dB

10.0 %	2.64 dB
1.0 %	3.18 dB
0.1 %	3.24 dB
0.01 %	3.29 dB
0.001 %	3.32 dB
0.0001 %	3.34 dB
Peak	3.35 dB
	27.12 dBm

Center Freq 1.880000000 GHz  
CF Step 5.000000 MHz  
Freq Offset 0 Hz

**1.58. LTE Peak to Average Ratio(NTNV)(Subtest:58, Channel:18900, Bandwidth:15, Modulation:QPSK, RB Number: 1, RB Position:MID)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	3.36	13	Pass



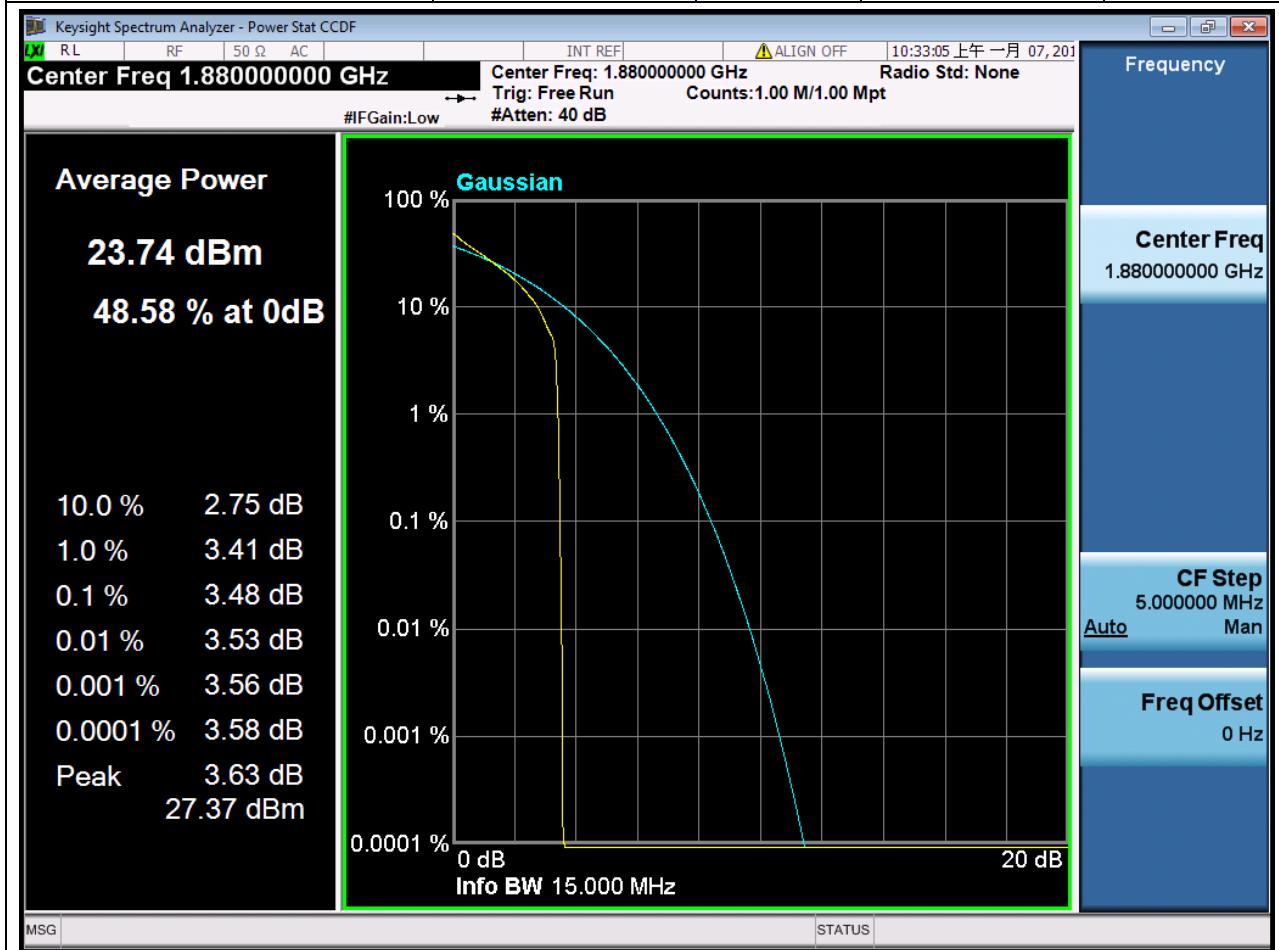
The screenshot shows the Keysight Spectrum Analyzer interface for a Power Stat CCDF test. The center frequency is set to 1.880000000 GHz. The plot displays a Gaussian distribution of power levels. The Y-axis represents the percentage of power from 0.0001% to 100%. The X-axis represents power in dB from 0 dB to 20 dB. A cyan curve represents the measured data, which closely follows a yellow Gaussian envelope. The plot area is highlighted with a green border. On the left, a summary table provides detailed PAR statistics:

Percentage	Power (dBm)
10.0 %	2.68 dB
1.0 %	3.30 dB
0.1 %	3.36 dB
0.01 %	3.39 dB
0.001 %	3.41 dB
0.0001 %	3.42 dB
Peak	3.42 dB
	27.25 dBm

On the right side of the interface, there are three vertical panels: "Frequency" (showing the center frequency), "CF Step" (set to 5.000000 MHz), and "Freq Offset" (set to 0 Hz). The bottom of the screen shows "MSG" and "STATUS" buttons.

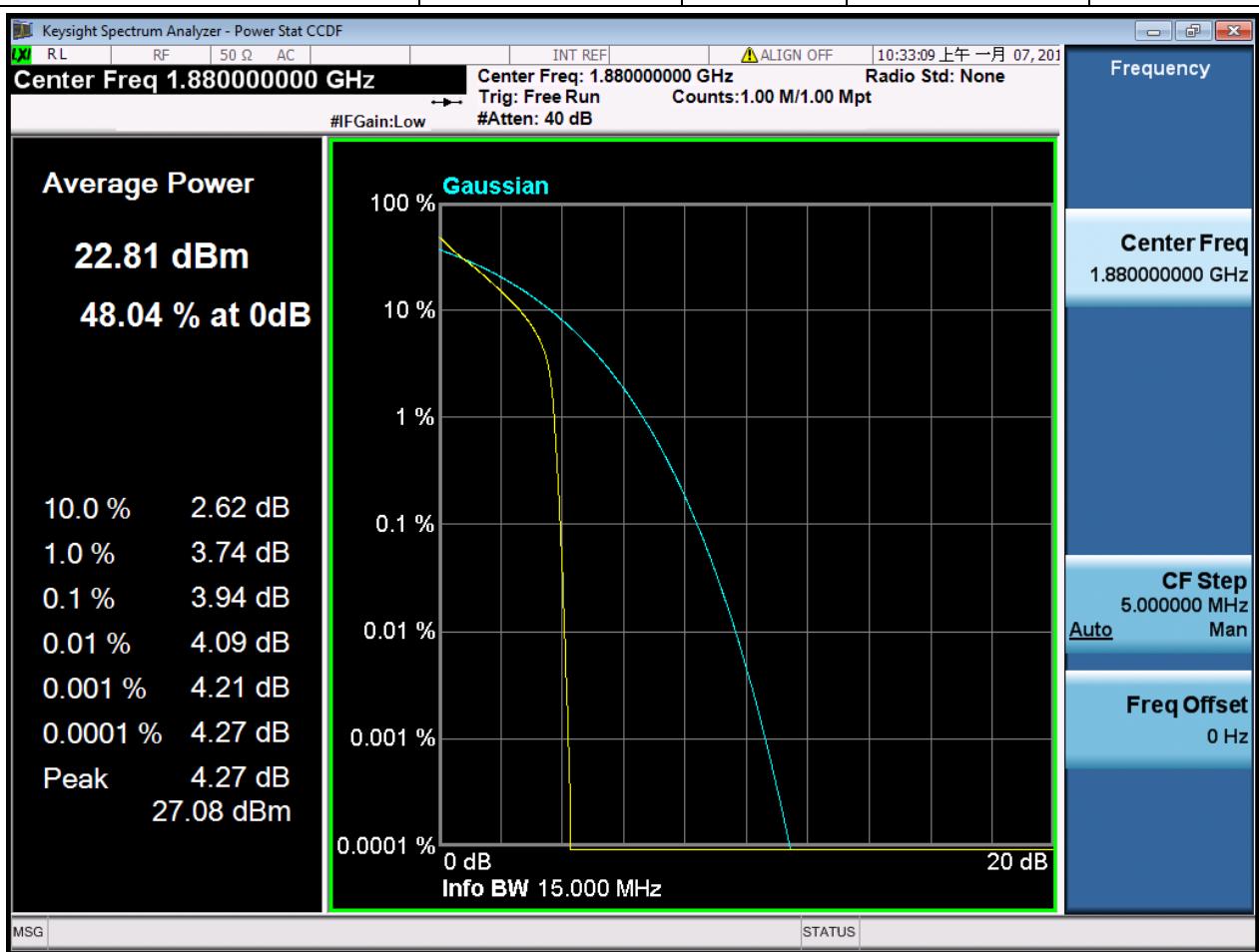
**1.59. LTE Peak to Average Ratio(NTNV)(Subtest:59, Channel:18900, Bandwidth:15, Modulation:QPSK, RB Number: 1, RB Position:HIGH)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	3.48	13	Pass



**1.60. LTE Peak to Average Ratio(NTNV)(Subtest:60, Channel:18900, Bandwidth:15, Modulation:QPSK, RB Number: 36, RB Position:LOW)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	3.94	13	Pass



Average Power  
22.81 dBm  
48.04 % at 0dB

10.0 %	2.62 dB
1.0 %	3.74 dB
0.1 %	3.94 dB
0.01 %	4.09 dB
0.001 %	4.21 dB
0.0001 %	4.27 dB
Peak	4.27 dB
	27.08 dBm

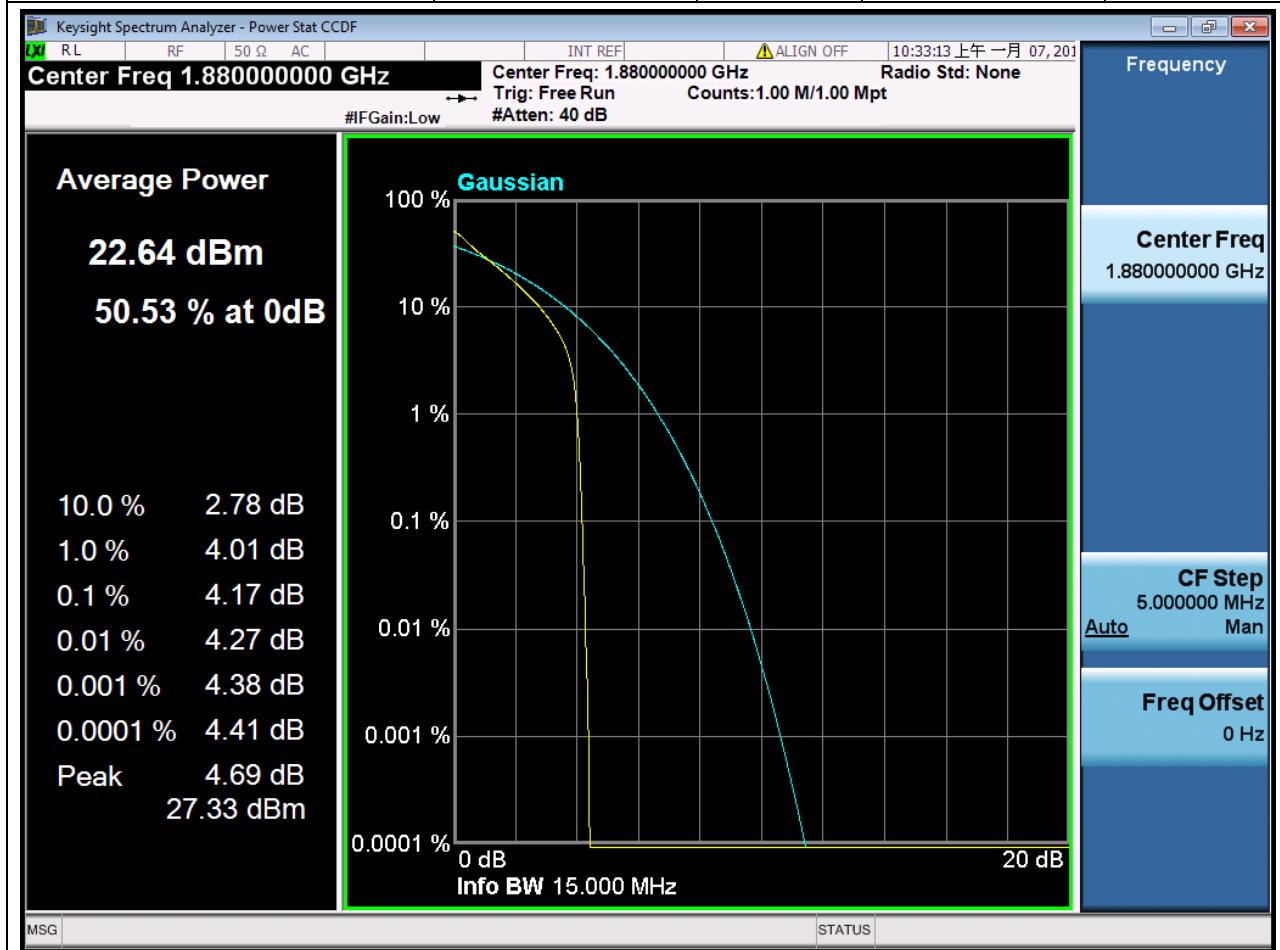
Center Freq 1.880000000 GHz  
Center Freq: 1.880000000 GHz  
Trig: Free Run  
Counts: 1.00 M/1.00 Mpt  
#IFGain:Low  
#Atten: 40 dB

Gaussian  
100 %  
10 %  
1 %  
0.1 %  
0.01 %  
0.001 %  
0.0001 %  
0 dB 20 dB  
Info BW 15.000 MHz

Frequency  
Center Freq 1.880000000 GHz  
CF Step 5.000000 MHz  
Auto Man  
Freq Offset 0 Hz

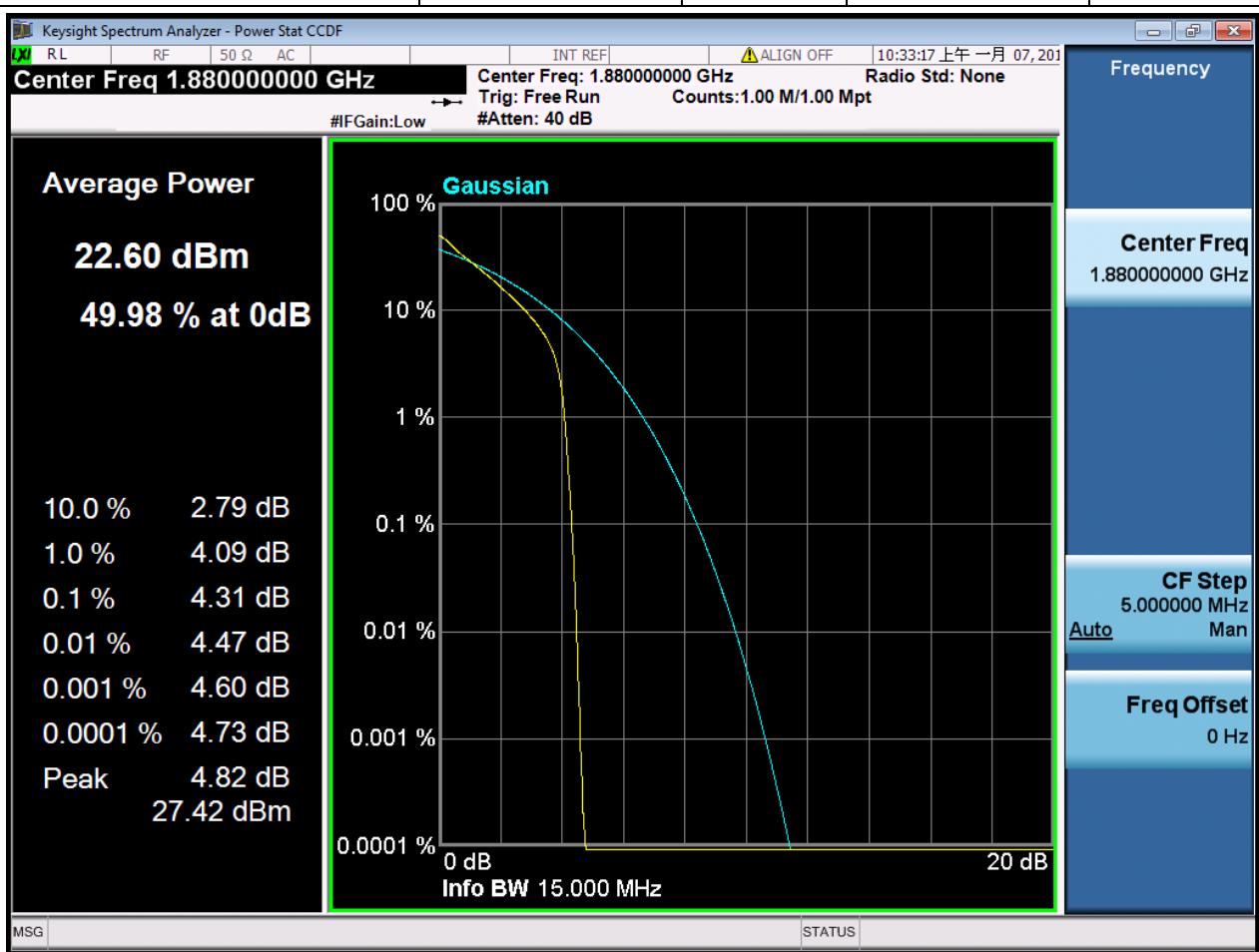
**1.61. LTE Peak to Average Ratio(NTNV)(Subtest:61, Channel:18900, Bandwidth:15, Modulation:QPSK, RB Number: 36, RB Position:MID)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	4.17	13	Pass



**1.62. LTE Peak to Average Ratio(NTNV)(Subtest:62, Channel:18900, Bandwidth:15, Modulation:QPSK, RB Number: 36, RB Position:HIGH)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	4.31	13	Pass



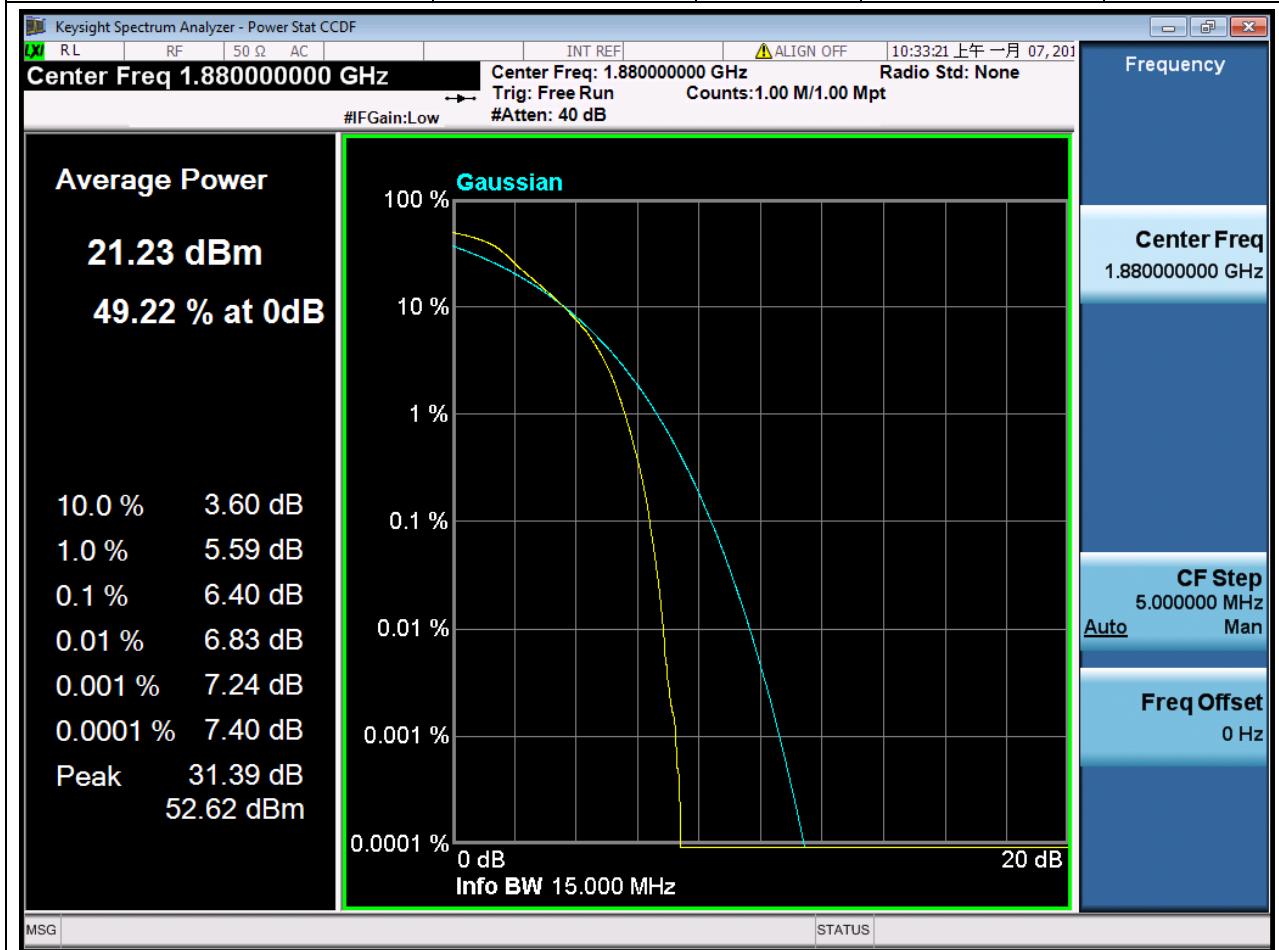
Average Power  
**22.60 dBm**  
**49.98 % at 0dB**

10.0 %	2.79 dB
1.0 %	4.09 dB
0.1 %	4.31 dB
0.01 %	4.47 dB
0.001 %	4.60 dB
0.0001 %	4.73 dB
Peak	4.82 dB
	27.42 dBm

Info BW 15.000 MHz

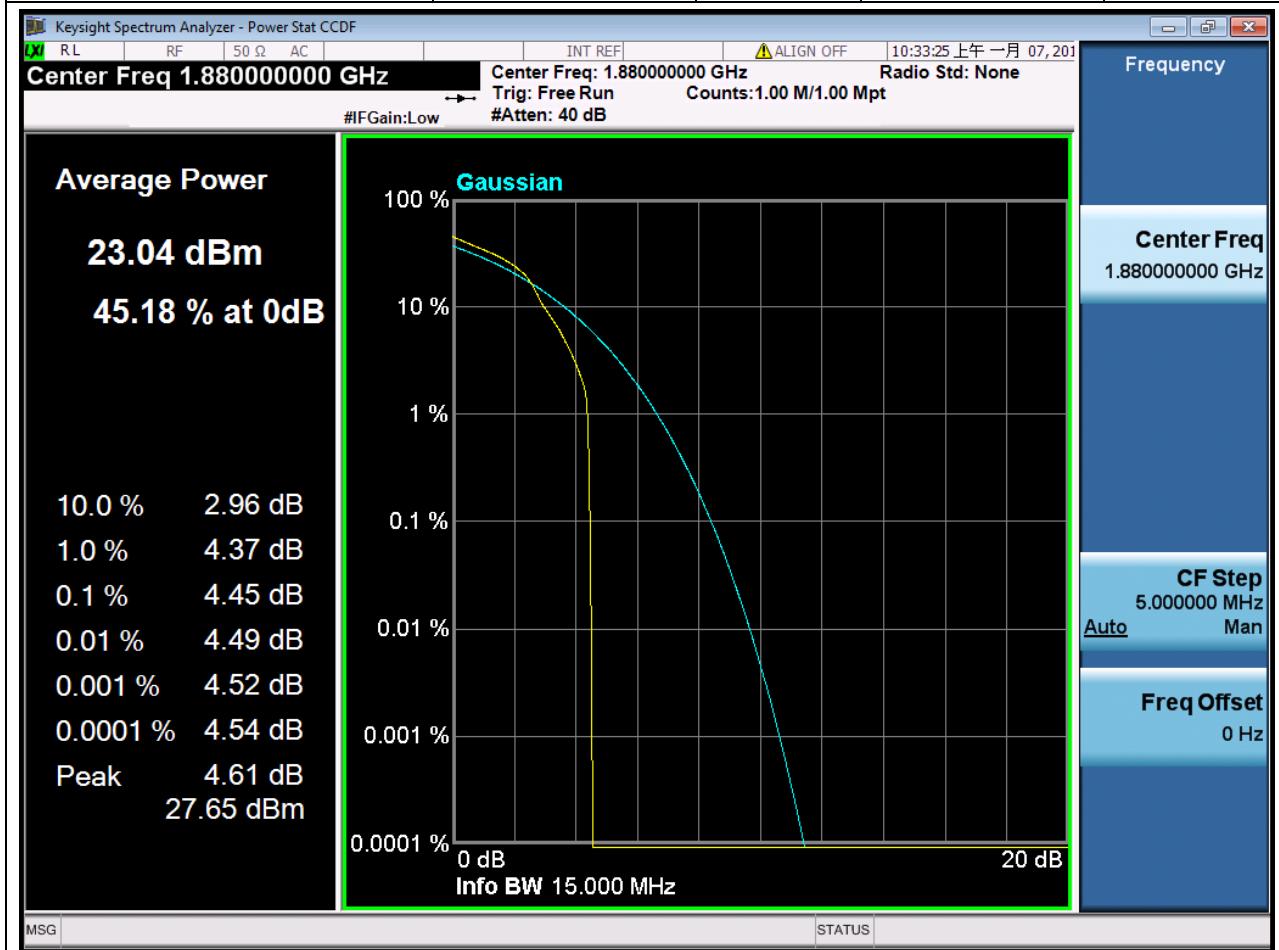
**1.63. LTE Peak to Average Ratio(NTNV)(Subtest:63, Channel:18900, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	6.4	13	Pass



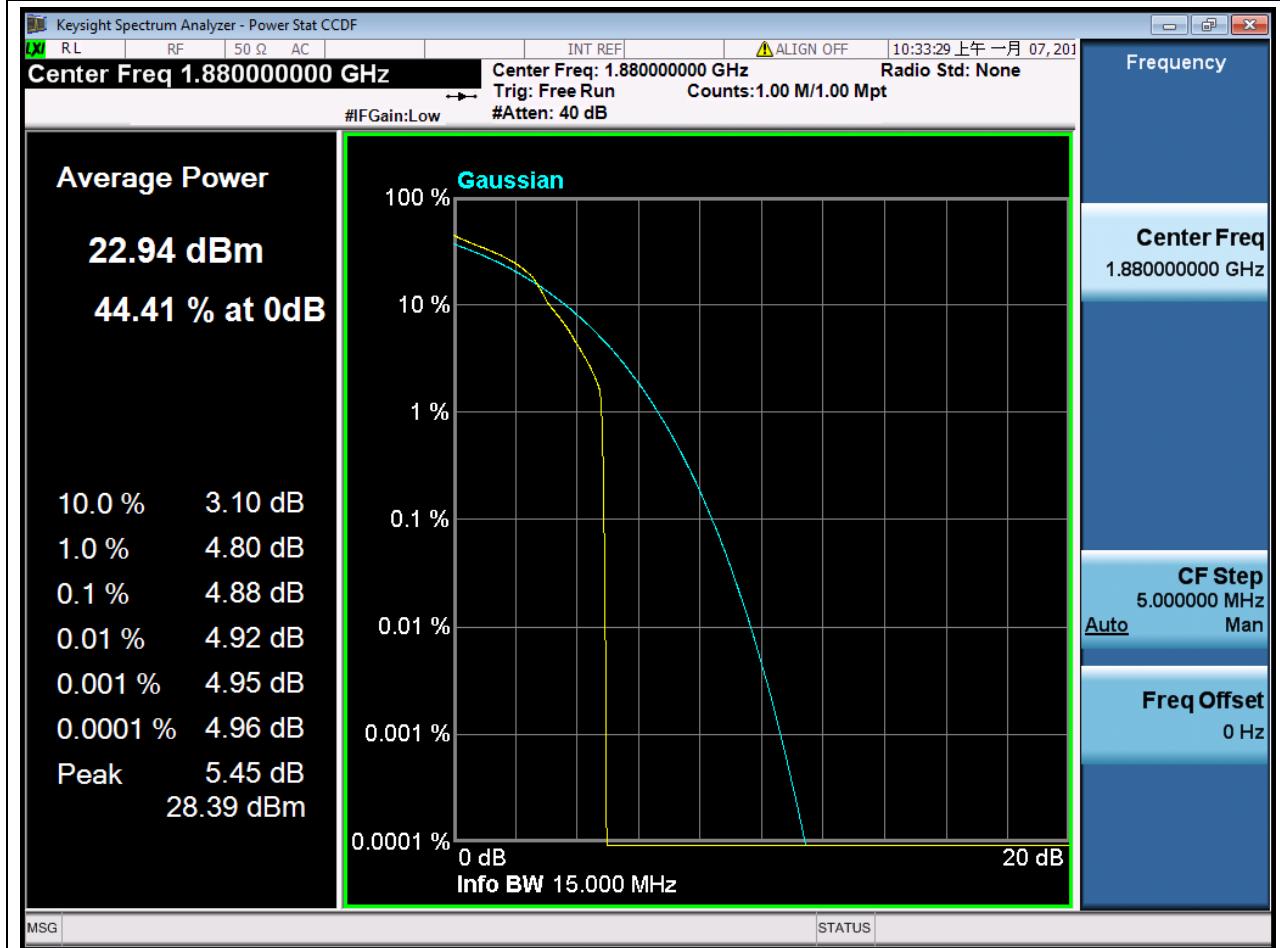
**1.64. LTE Peak to Average Ratio(NTNV)(Subtest:64, Channel:18900, Bandwidth:15, Modulation:Q16, RB Number: 1, RB Position:LOW)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	4.45	13	Pass



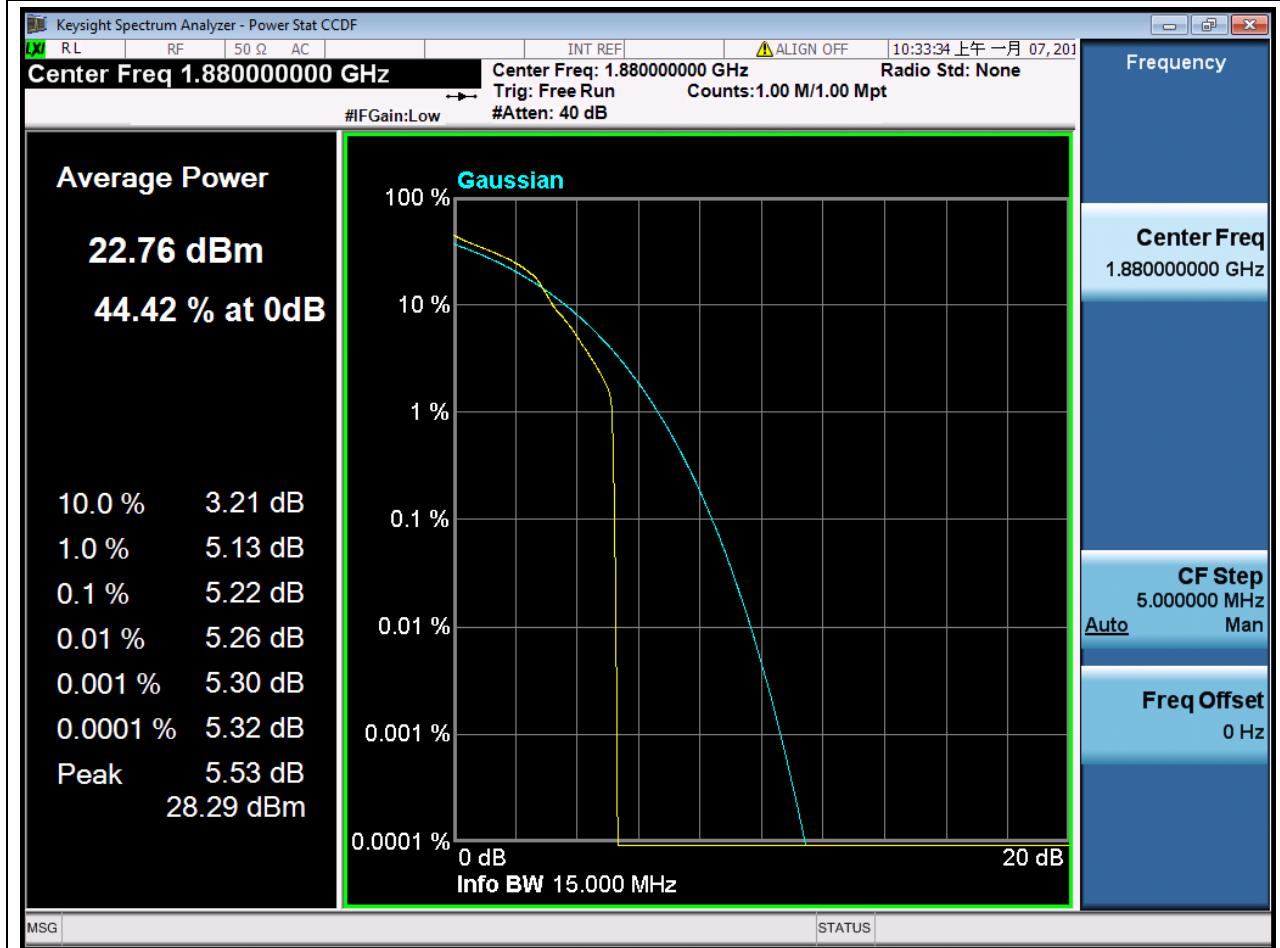
**1.65. LTE Peak to Average Ratio(NTNV)(Subtest:65, Channel:18900, Bandwidth:15, Modulation:Q16, RB Number: 1, RB Position:MID)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	4.88	13	Pass



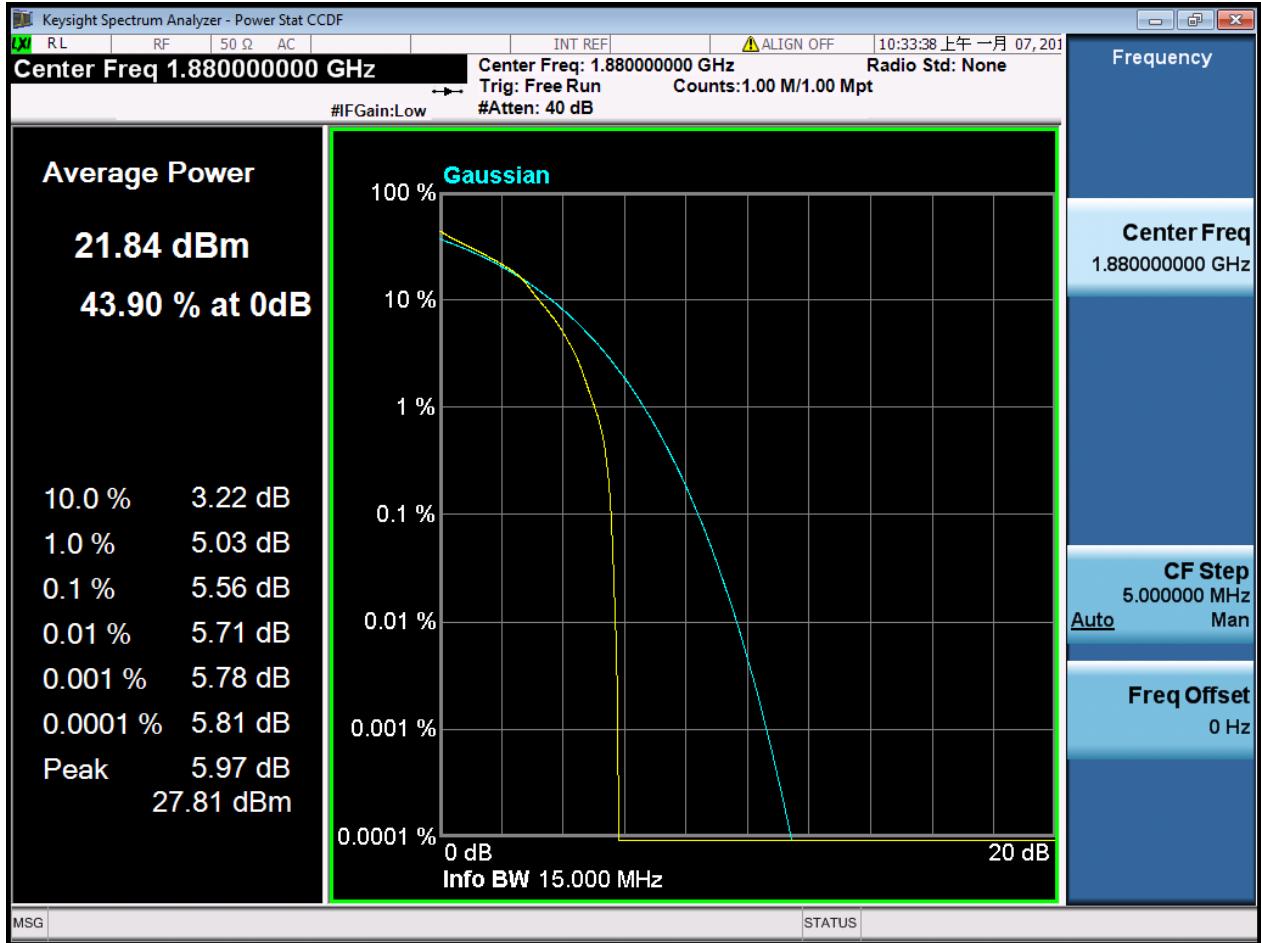
**1.66. LTE Peak to Average Ratio(NTNV)(Subtest:66, Channel:18900, Bandwidth:15, Modulation:Q16, RB Number: 1, RB Position:HIGH)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	5.22	13	Pass



**1.67. LTE Peak to Average Ratio(NTNV)(Subtest:67, Channel:18900, Bandwidth:15, Modulation:Q16, RB Number: 36, RB Position:LOW)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	5.56	13	Pass



Keysight Spectrum Analyzer - Power Stat CCDF

Center Freq 1.880000000 GHz

Average Power  
21.84 dBm  
43.90 % at 0dB

10.0 %	3.22 dB
1.0 %	5.03 dB
0.1 %	5.56 dB
0.01 %	5.71 dB
0.001 %	5.78 dB
0.0001 %	5.81 dB
Peak	5.97 dB
	27.81 dBm

Gaussian

0 dB      20 dB

Info BW 15.000 MHz

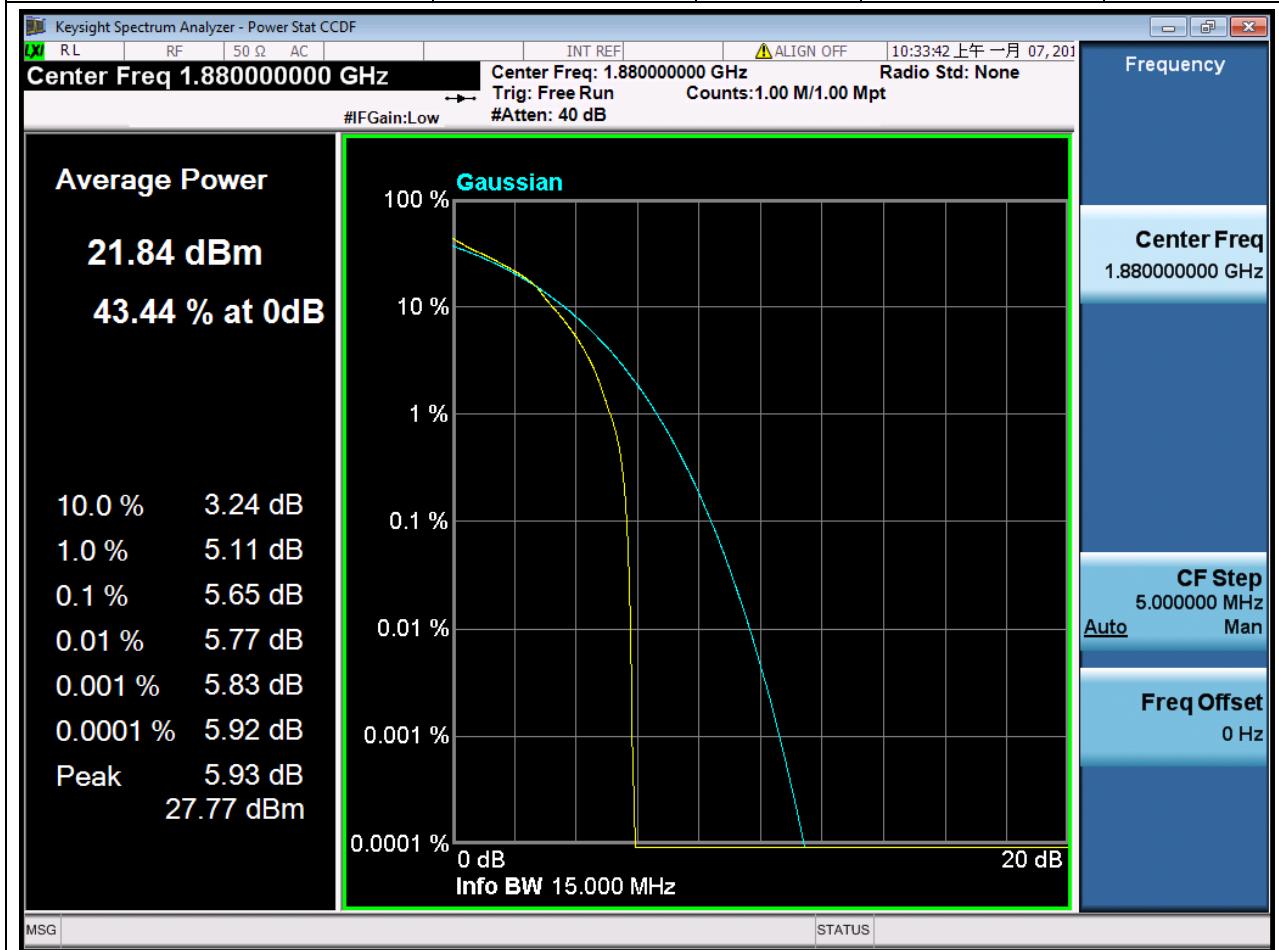
Frequency  
Center Freq 1.880000000 GHz

CF Step 5.000000 MHz  
Auto Man

Freq Offset 0 Hz

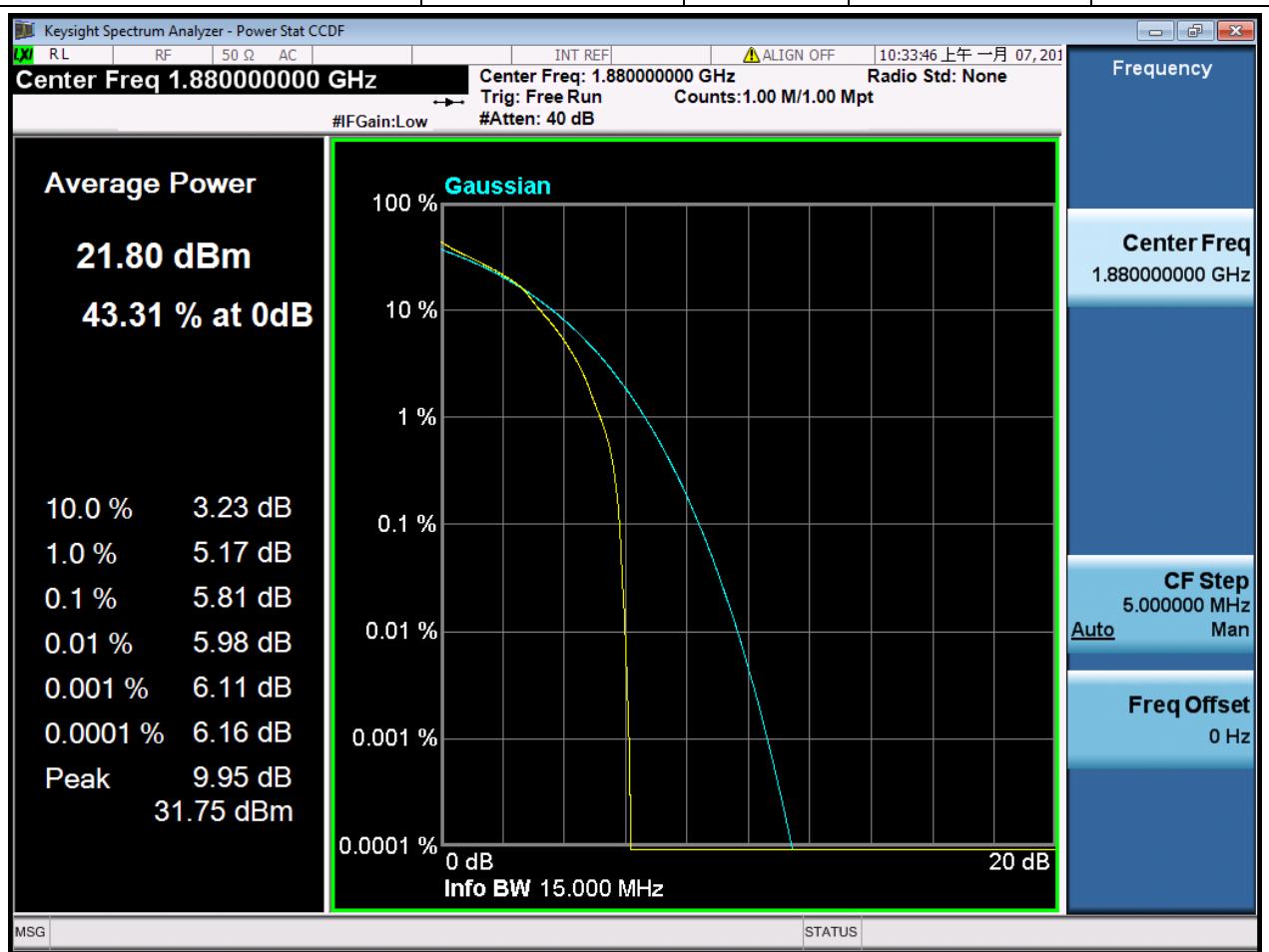
**1.68. LTE Peak to Average Ratio(NTNV)(Subtest:68, Channel:18900, Bandwidth:15, Modulation:Q16, RB Number: 36, RB Position:MID)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	5.65	13	Pass



**1.69. LTE Peak to Average Ratio(NTNV)(Subtest:69, Channel:18900, Bandwidth:15, Modulation:Q16, RB Number: 36, RB Position:HIGH)**

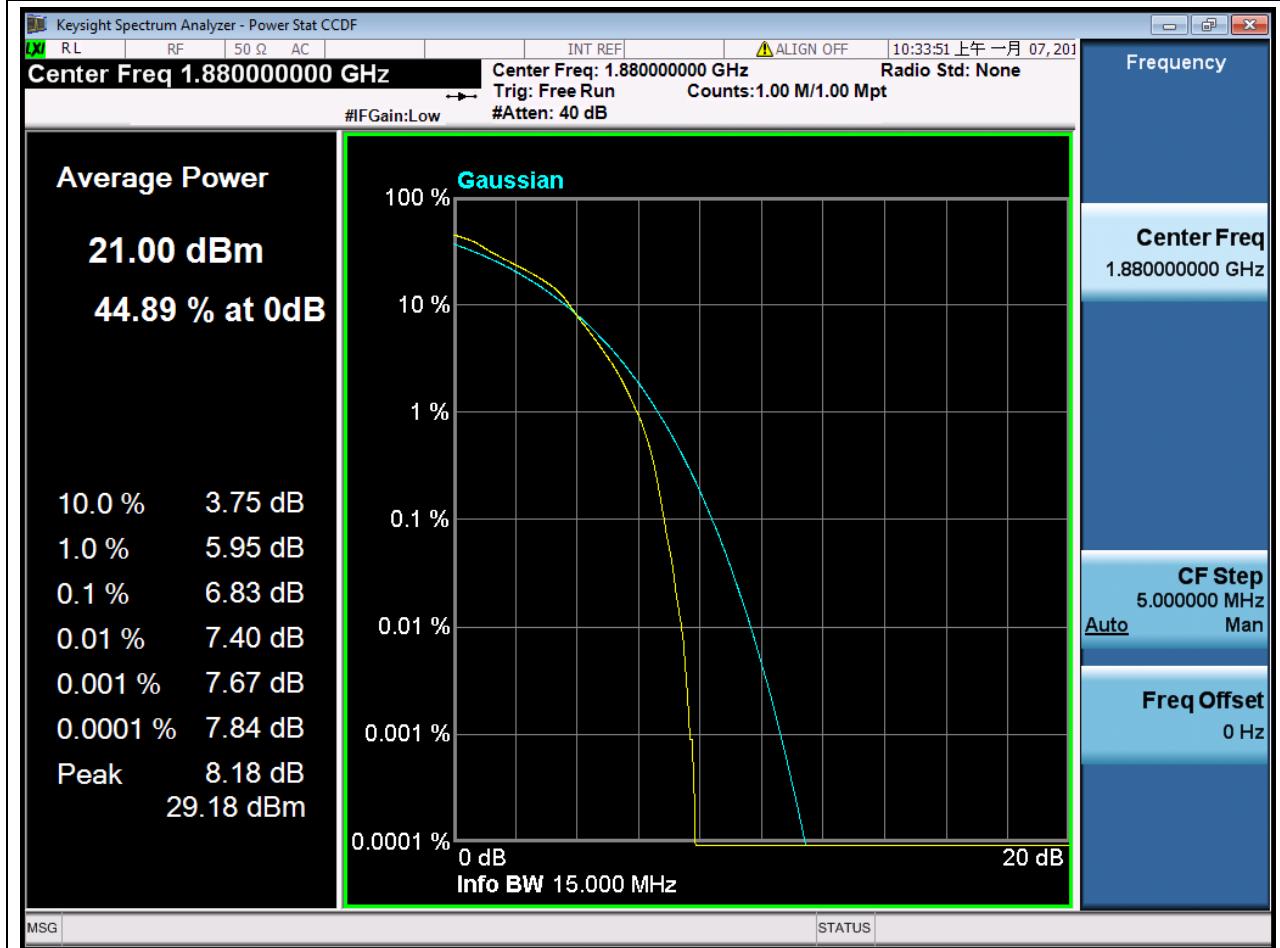
Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	5.81	13	Pass



<b>Average Power</b>	
<b>21.80 dBm</b>	
<b>43.31 % at 0dB</b>	
10.0 %	3.23 dB
1.0 %	5.17 dB
0.1 %	5.81 dB
0.01 %	5.98 dB
0.001 %	6.11 dB
0.0001 %	6.16 dB
Peak	9.95 dB
	31.75 dBm

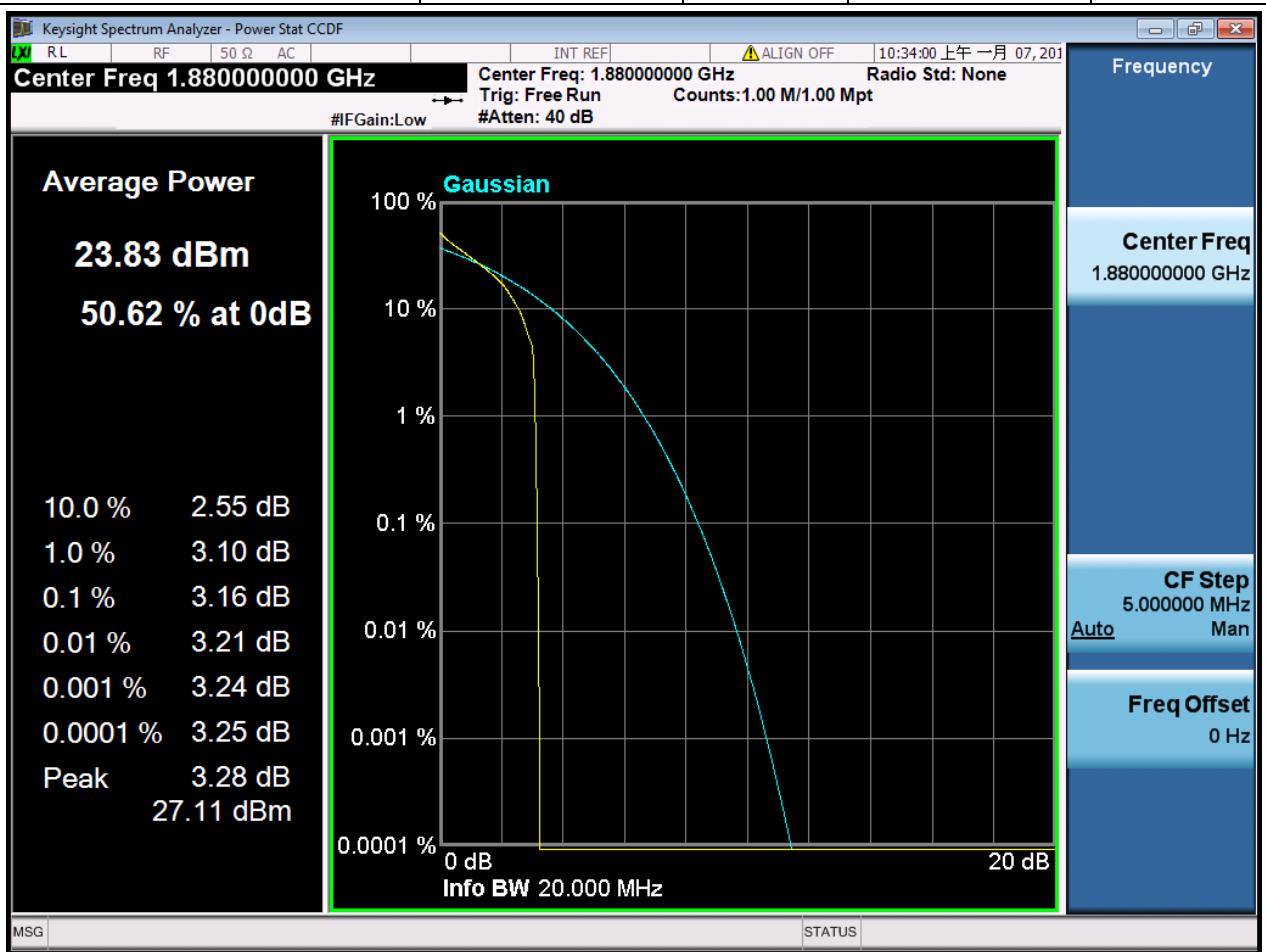
**1.70. LTE Peak to Average Ratio(NTNV)(Subtest:70, Channel:18900, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	6.83	13	Pass



**1.71. LTE Peak to Average Ratio(NTNV)(Subtest:71, Channel:18900, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	3.16	13	Pass



The screenshot shows the Keysight Spectrum Analyzer interface for a Power Stat CCDF analysis. The center frequency is set to 1.880000000 GHz. The plot displays a Gaussian distribution of power levels. The Y-axis represents the percentage of power from 0.0001% to 100%, and the X-axis represents power in dB from 0 dB to 20 dB. A cyan curve represents the measured distribution, which closely follows a Gaussian fit (yellow line). The plot area is highlighted with a green border.

**Average Power**  
**23.83 dBm**  
**50.62 % at 0dB**

10.0 %	2.55 dB
1.0 %	3.10 dB
0.1 %	3.16 dB
0.01 %	3.21 dB
0.001 %	3.24 dB
0.0001 %	3.25 dB
Peak	3.28 dB
	27.11 dBm

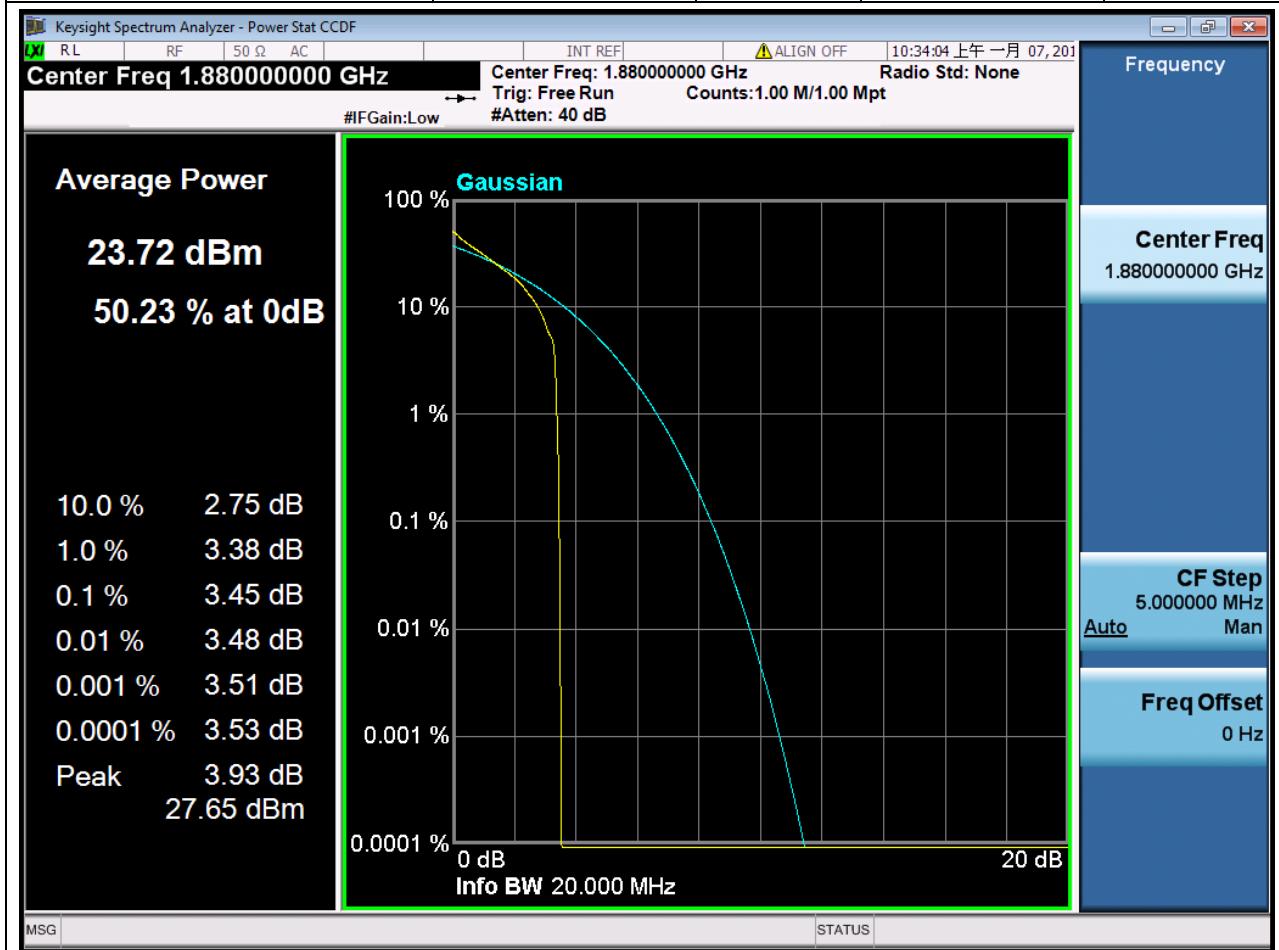
**Gaussian**

0.0001 % 0 dB 20 dB  
Info BW 20.000 MHz

Center Freq 1.880000000 GHz  
CF Step 5.000000 MHz  
Freq Offset 0 Hz

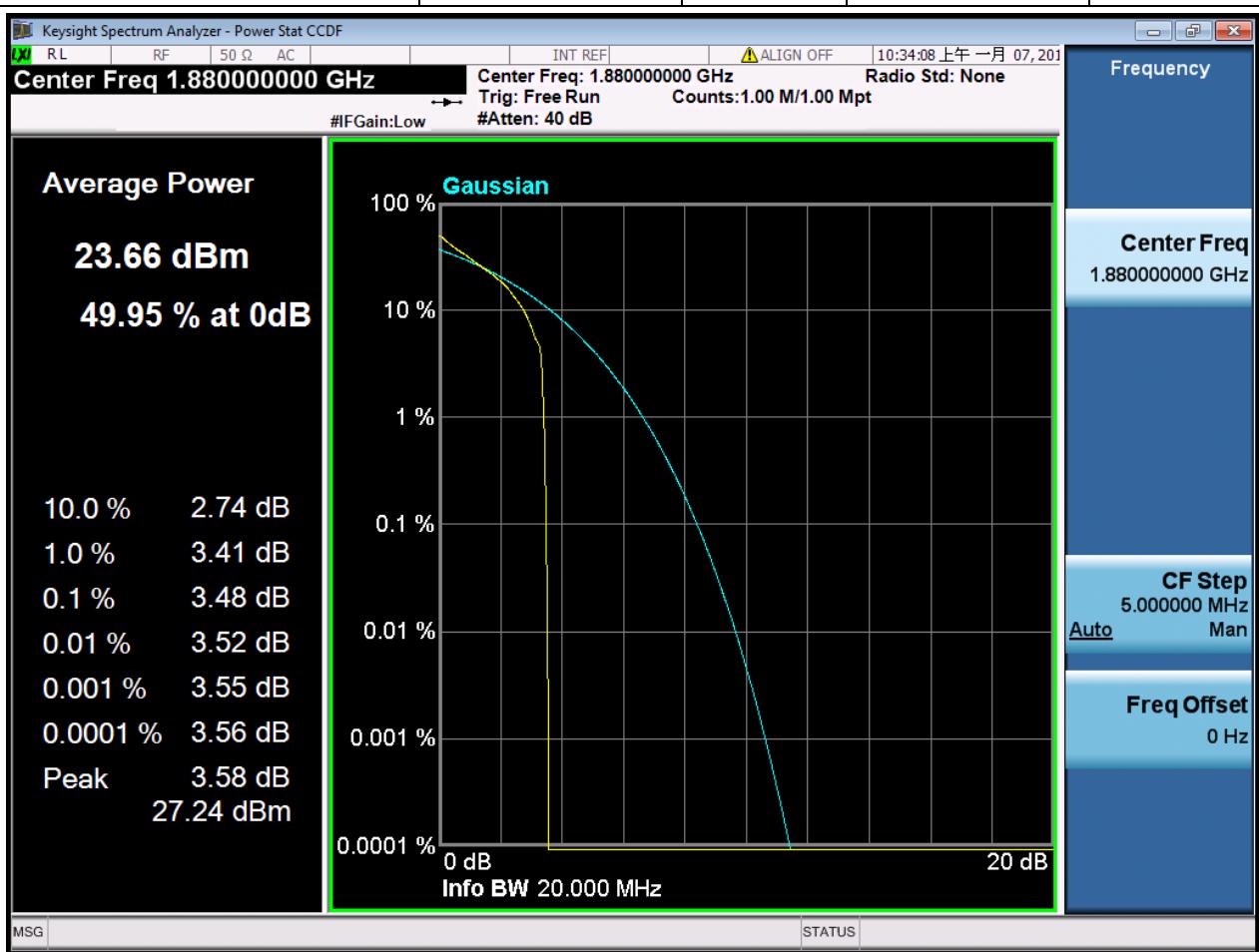
**1.72. LTE Peak to Average Ratio(NTNV)(Subtest:72, Channel:18900, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:MID)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	3.45	13	Pass



**1.73. LTE Peak to Average Ratio(NTNV)(Subtest:73, Channel:18900, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:HIGH)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	3.48	13	Pass



Power Level (%)	PAR (dBm)
10.0 %	2.74 dB
1.0 %	3.41 dB
0.1 %	3.48 dB
0.01 %	3.52 dB
0.001 %	3.55 dB
0.0001 %	3.56 dB
Peak	3.58 dB
	27.24 dBm

**1.74. LTE Peak to Average Ratio(NTNV)(Subtest:74, Channel:18900, Bandwidth:20, Modulation:QPSK, RB Number: 50, RB Position:LOW)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	4	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 10:34:12 上午 07, 201

Center Freq 1.880000000 GHz Center Freq: 1.880000000 GHz Radio Std: None

Trig: Free Run Counts: 1.00 M/1.00 Mpt

#IFGain:Low #Atten: 40 dB

Average Power 22.72 dBm  
50.63 % at 0dB

10.0 % 2.51 dB  
1.0 % 3.77 dB  
0.1 % 4.00 dB  
0.01 % 4.15 dB  
0.001 % 4.32 dB  
0.0001 % 4.43 dB  
Peak 4.49 dB  
27.21 dBm

Gaussian



0.0001 % 0 dB 20 dB 0.001 % 0.01 % 0.1 % 1 % 10 % 100 %

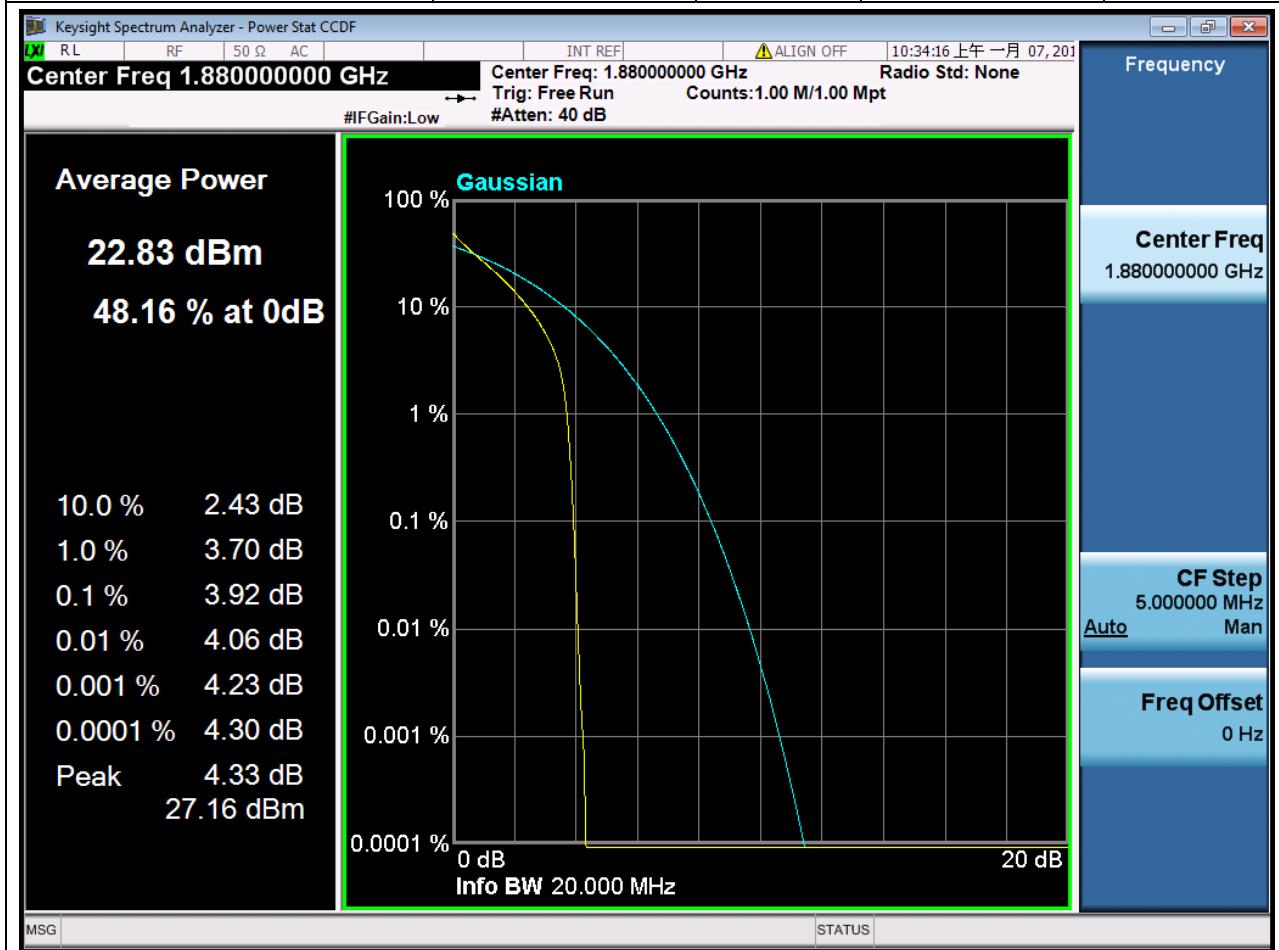
Info BW 20.000 MHz

Frequency  
Center Freq 1.880000000 GHz  
CF Step 5.000000 MHz  
Auto Man  
Freq Offset 0 Hz

MSG STATUS

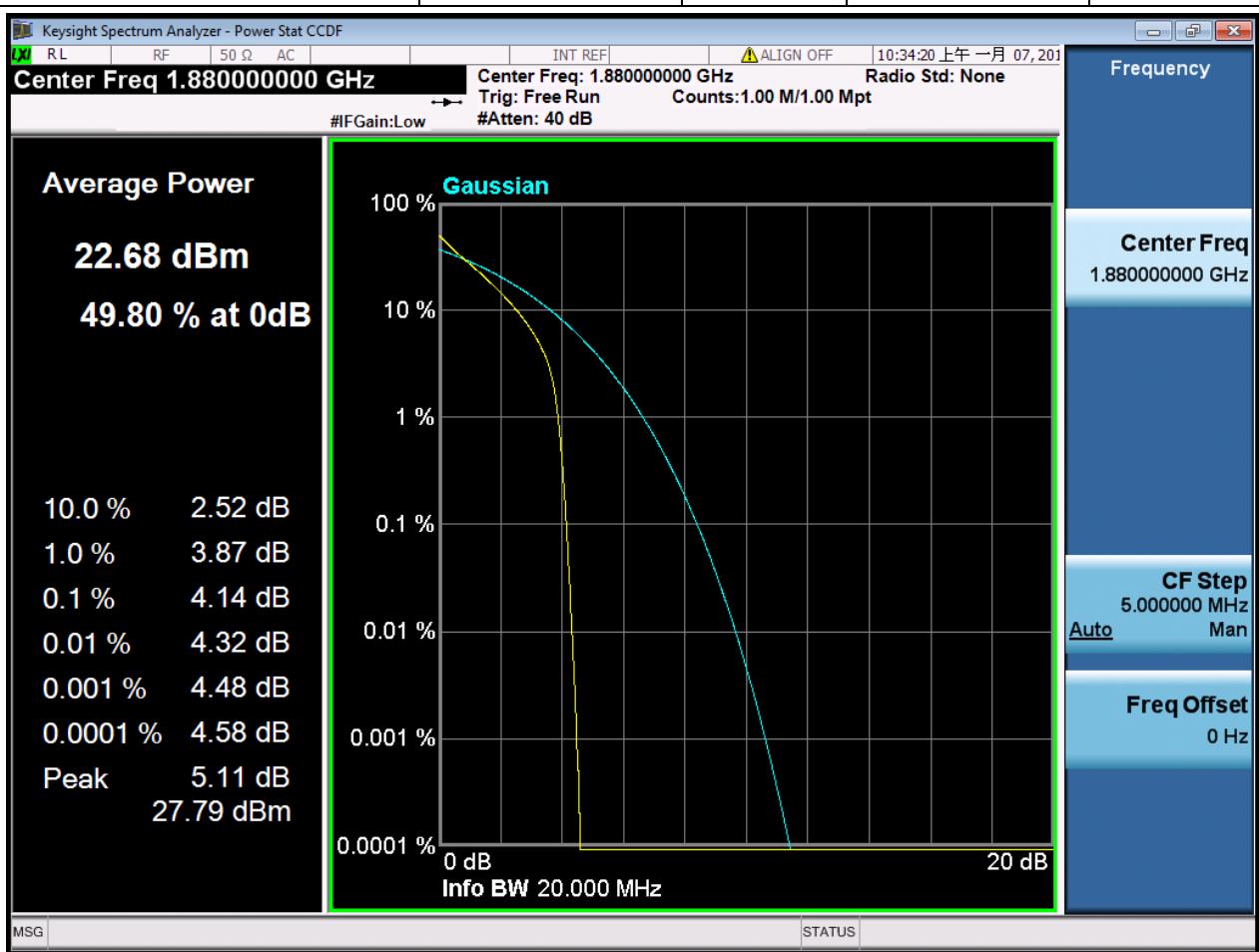
**1.75. LTE Peak to Average Ratio(NTNV)(Subtest:75, Channel:18900, Bandwidth:20, Modulation:QPSK, RB Number: 50, RB Position:MID)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	3.92	13	Pass



**1.76. LTE Peak to Average Ratio(NTNV)(Subtest:76, Channel:18900, Bandwidth:20, Modulation:QPSK, RB Number: 50, RB Position:HIGH)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	4.14	13	Pass

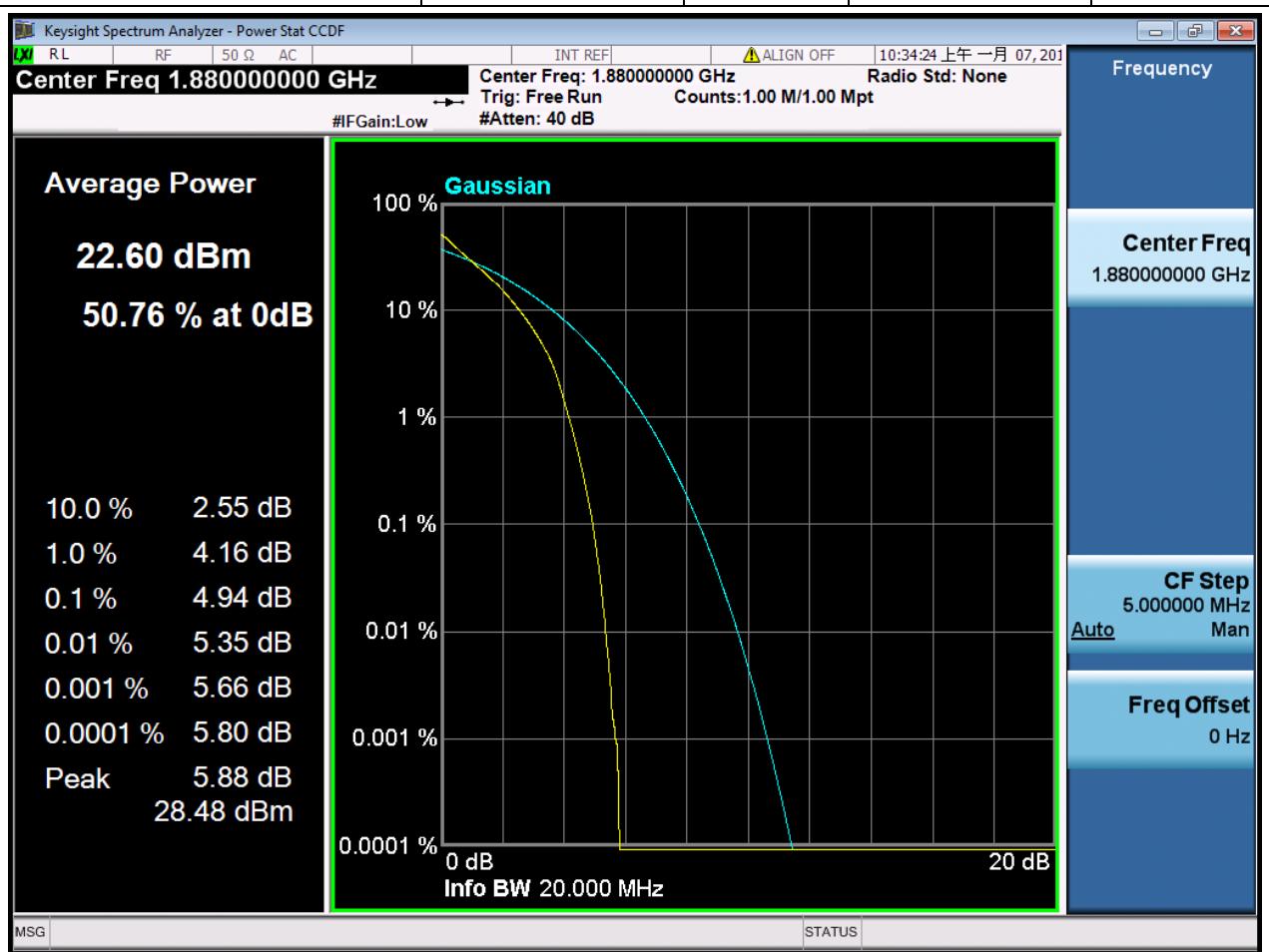


Average Power  
**22.68 dBm**  
**49.80 % at 0dB**

10.0 %	2.52 dB
1.0 %	3.87 dB
0.1 %	4.14 dB
0.01 %	4.32 dB
0.001 %	4.48 dB
0.0001 %	4.58 dB
Peak	5.11 dB
	27.79 dBm

**1.77. LTE Peak to Average Ratio(NTNV)(Subtest:77, Channel:18900, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	4.94	13	Pass



Average Power  
**22.60 dBm**  
**50.76 % at 0dB**

10.0 %	2.55 dB
1.0 %	4.16 dB
0.1 %	4.94 dB
0.01 %	5.35 dB
0.001 %	5.66 dB
0.0001 %	5.80 dB
Peak	5.88 dB
	28.48 dBm

Center Freq  
1.880000000 GHz

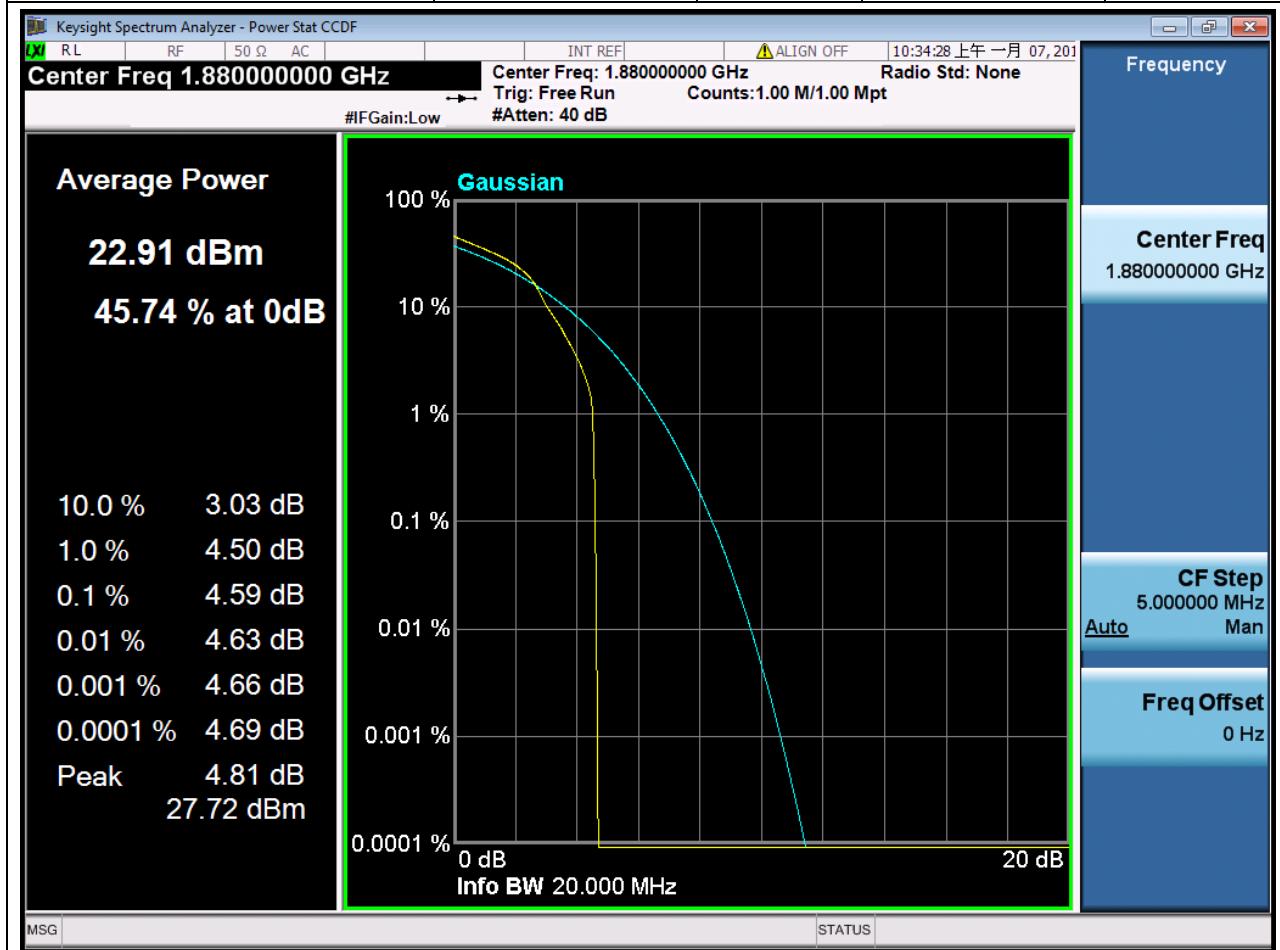
CF Step  
5.000000 MHz

Freq Offset  
0 Hz

MSG STATUS

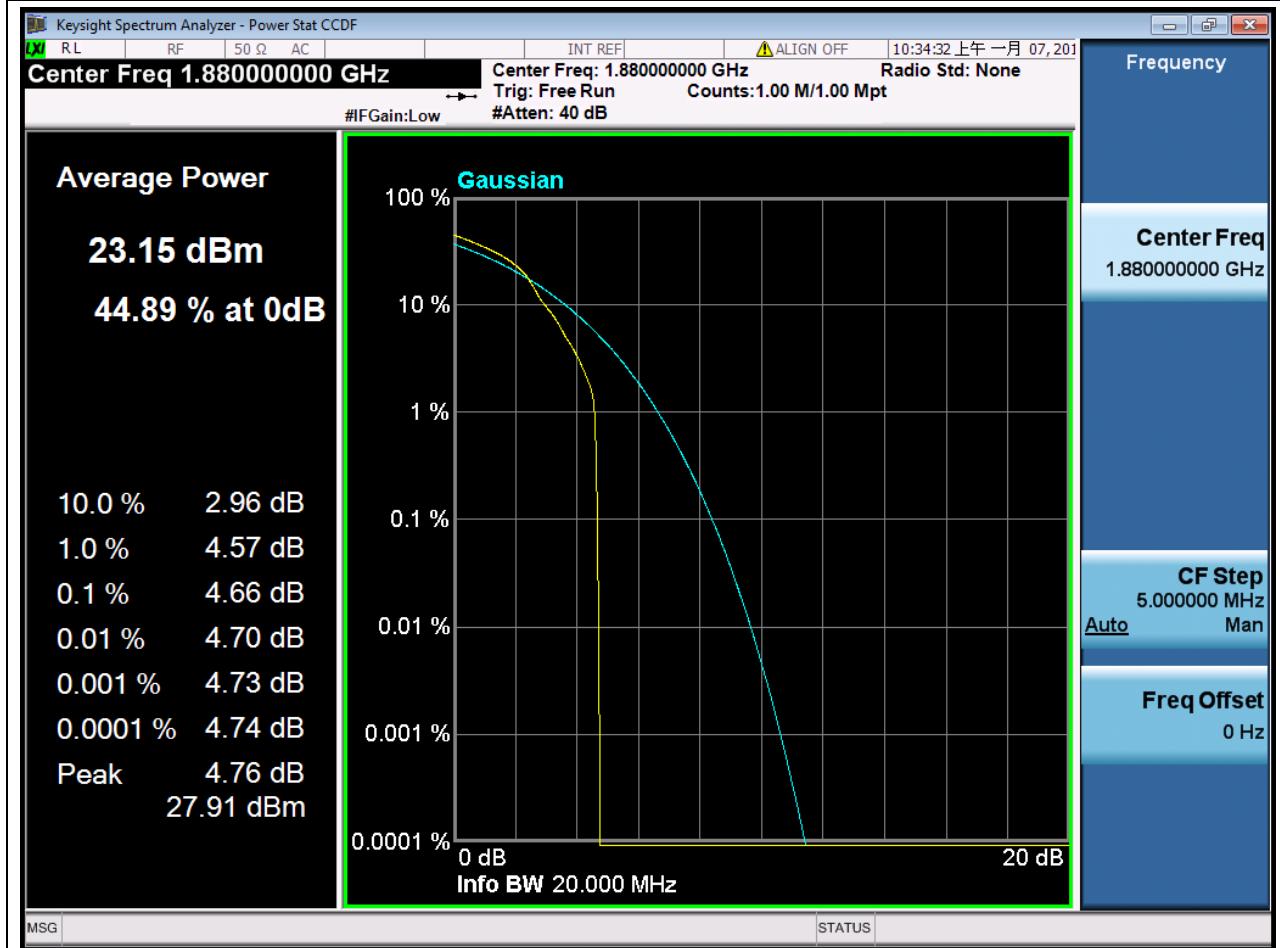
**1.78. LTE Peak to Average Ratio(NTNV)(Subtest:78, Channel:18900, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	4.59	13	Pass



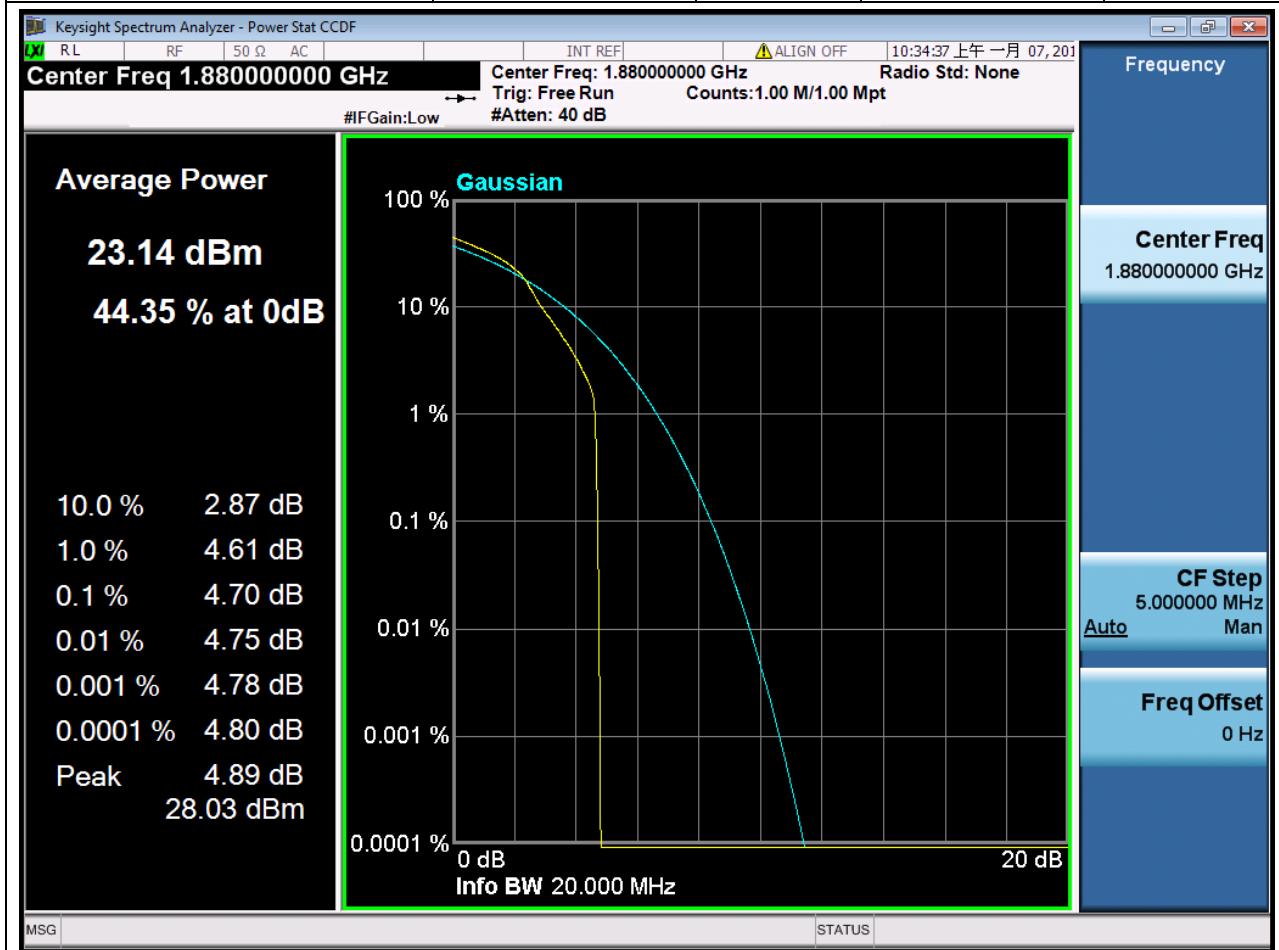
**1.79. LTE Peak to Average Ratio(NTNV)(Subtest:79, Channel:18900, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:MID)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	4.66	13	Pass



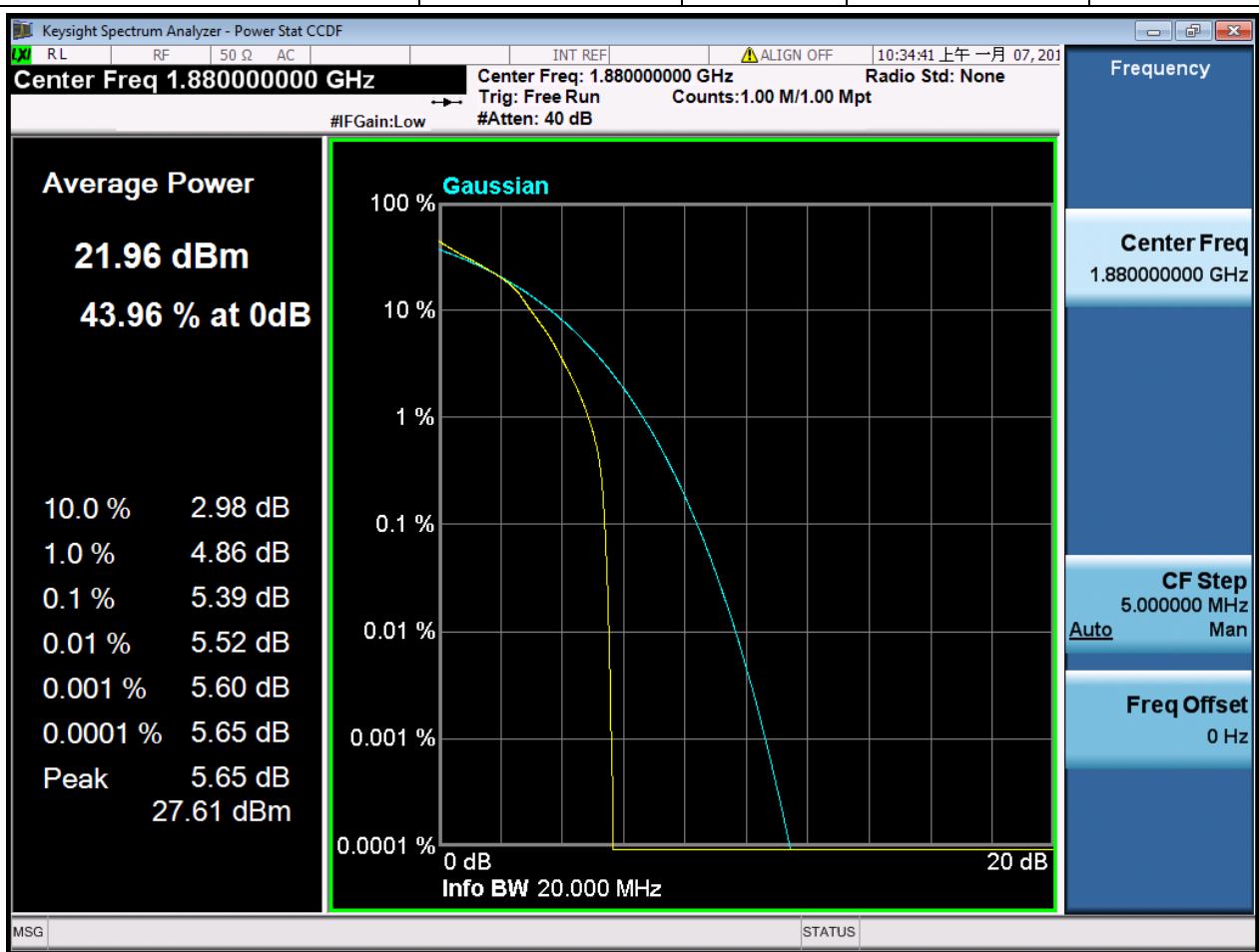
**1.80. LTE Peak to Average Ratio(NTNV)(Subtest:80, Channel:18900, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:HIGH)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	4.7	13	Pass



**1.81. LTE Peak to Average Ratio(NTNV)(Subtest:81, Channel:18900, Bandwidth:20, Modulation:Q16, RB Number: 50, RB Position:LOW)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	5.39	13	Pass



Average Power  
21.96 dBm  
43.96 % at 0dB

10.0 %	2.98 dB
1.0 %	4.86 dB
0.1 %	5.39 dB
0.01 %	5.52 dB
0.001 %	5.60 dB
0.0001 %	5.65 dB
Peak	5.65 dB
	27.61 dBm

Gaussian

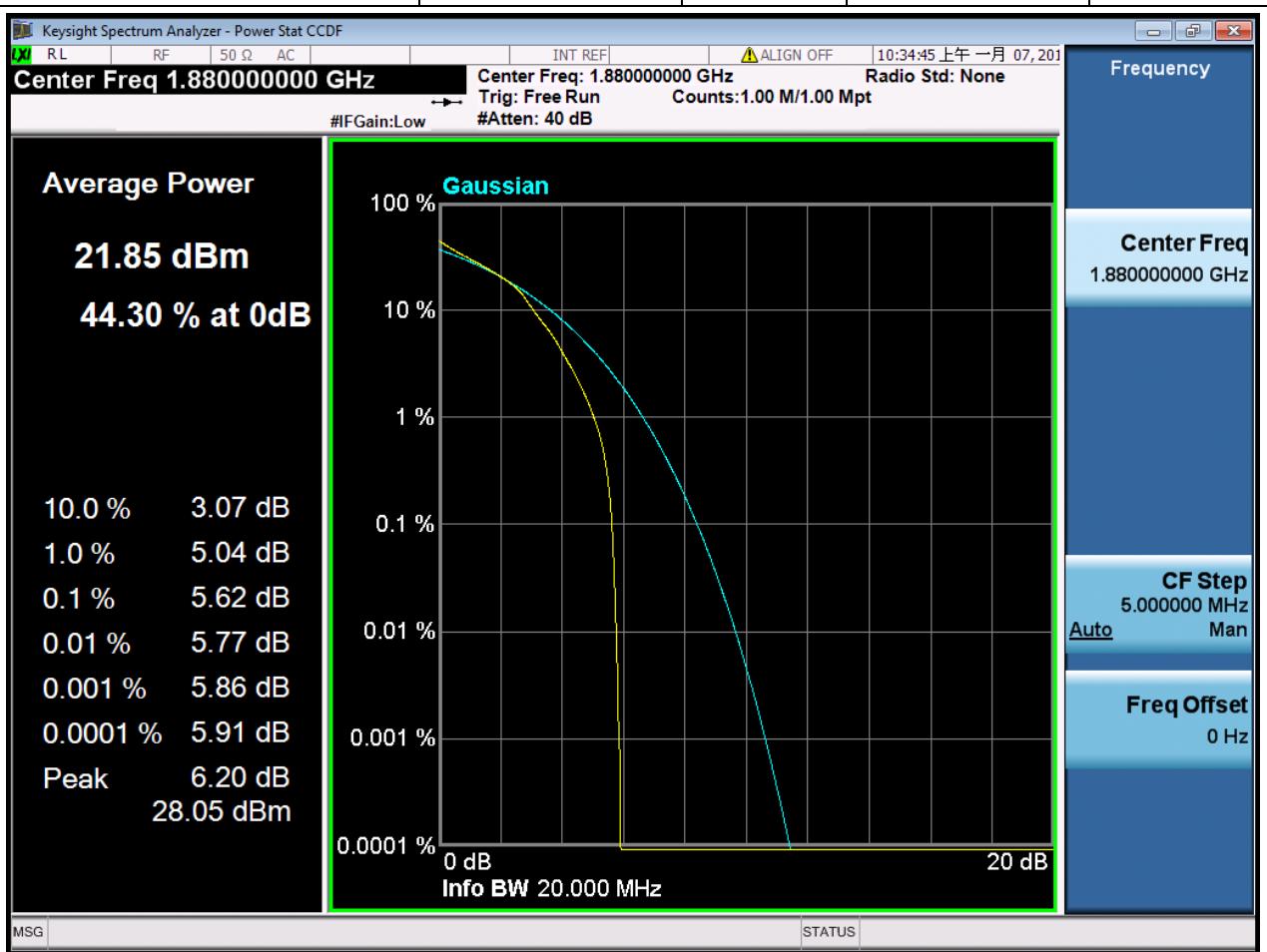
0.0001 % 0 dB 20 dB

Info BW 20.000 MHz

MSG STATUS

**1.82. LTE Peak to Average Ratio(NTNV)(Subtest:82, Channel:18900, Bandwidth:20, Modulation:Q16, RB Number: 50, RB Position:MID)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	5.62	13	Pass



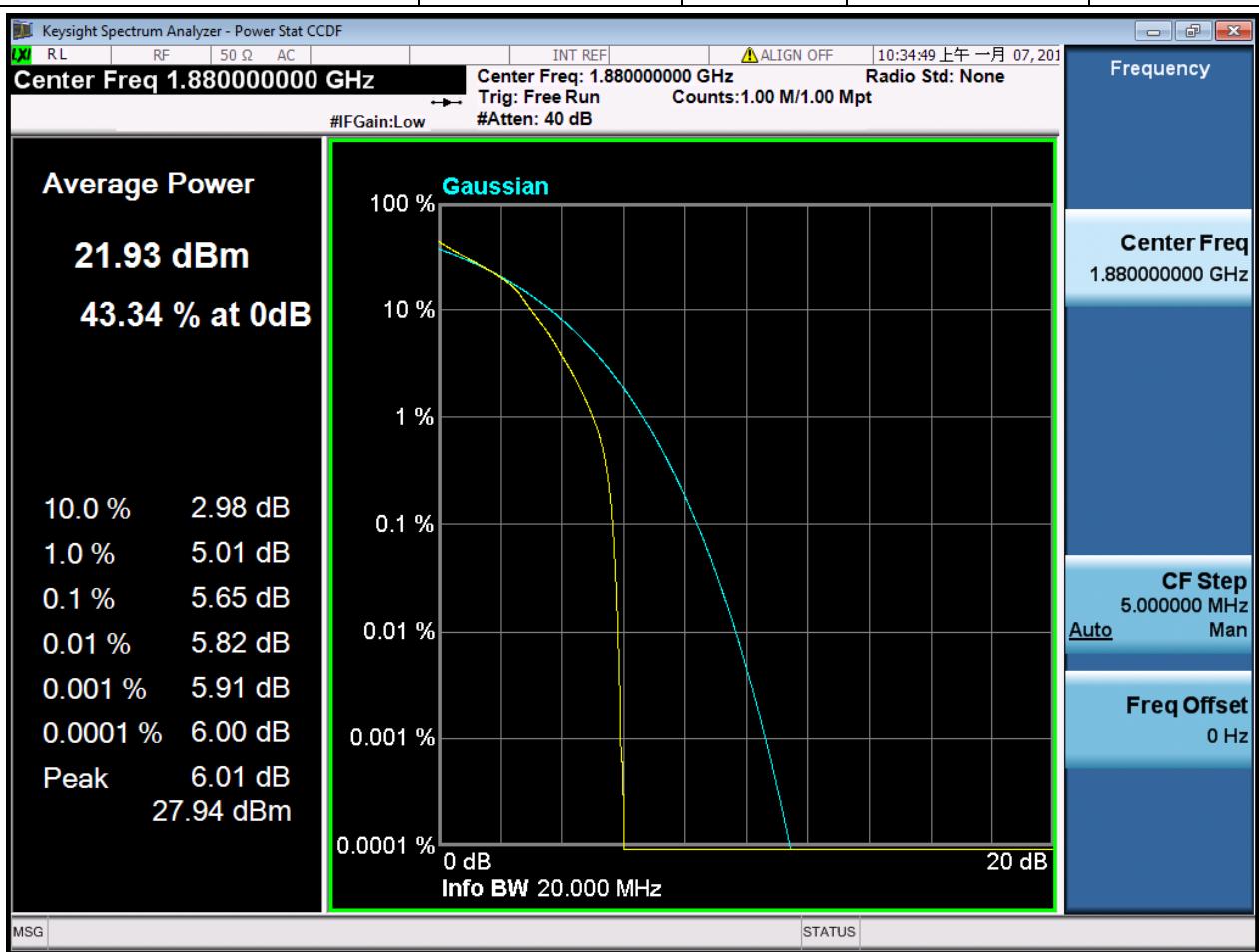
Average Power  
21.85 dBm  
44.30 % at 0dB

10.0 %	3.07 dB
1.0 %	5.04 dB
0.1 %	5.62 dB
0.01 %	5.77 dB
0.001 %	5.86 dB
0.0001 %	5.91 dB
Peak	6.20 dB
	28.05 dBm

MSG STATUS

**1.83. LTE Peak to Average Ratio(NTNV)(Subtest:83, Channel:18900, Bandwidth:20, Modulation:Q16, RB Number: 50, RB Position:HIGH)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	5.65	13	Pass



Average Power  
**21.93 dBm**  
**43.34 % at 0dB**

10.0 %	2.98 dB
1.0 %	5.01 dB
0.1 %	5.65 dB
0.01 %	5.82 dB
0.001 %	5.91 dB
0.0001 %	6.00 dB
Peak	6.01 dB
	27.94 dBm

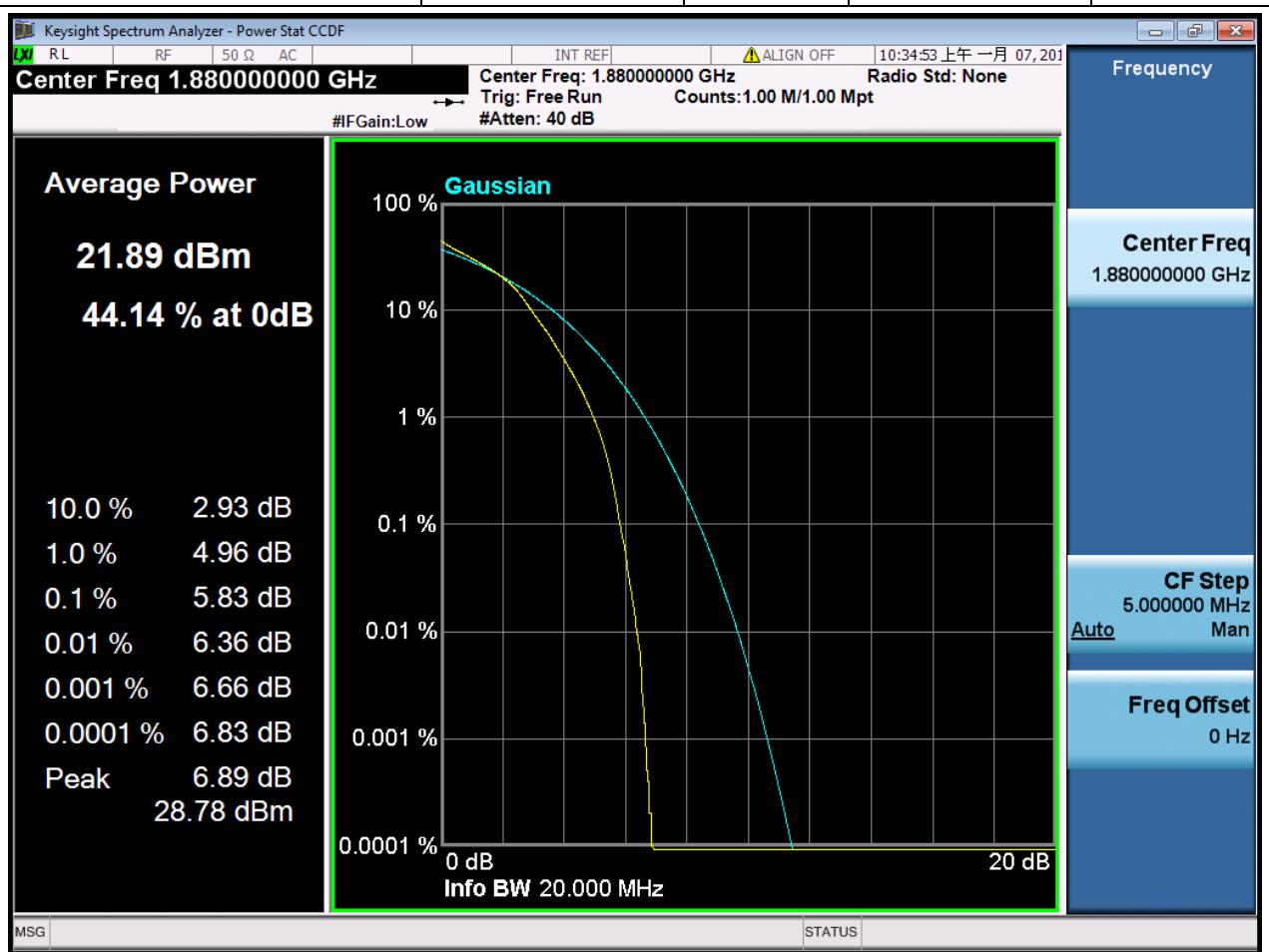
**Gaussian**

0.0001 % 0 dB 20 dB  
Info BW 20.000 MHz

Center Freq 1.880000000 GHz  
CF Step 5.000000 MHz  
Freq Offset 0 Hz

**1.84. LTE Peak to Average Ratio(NTNV)(Subtest:84, Channel:18900, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	5.83	13	Pass



<b>Average Power</b>	
<b>21.89 dBm</b>	
<b>44.14 % at 0dB</b>	
10.0 %	2.93 dB
1.0 %	4.96 dB
0.1 %	5.83 dB
0.01 %	6.36 dB
0.001 %	6.66 dB
0.0001 %	6.83 dB
Peak	6.89 dB
	28.78 dBm

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END