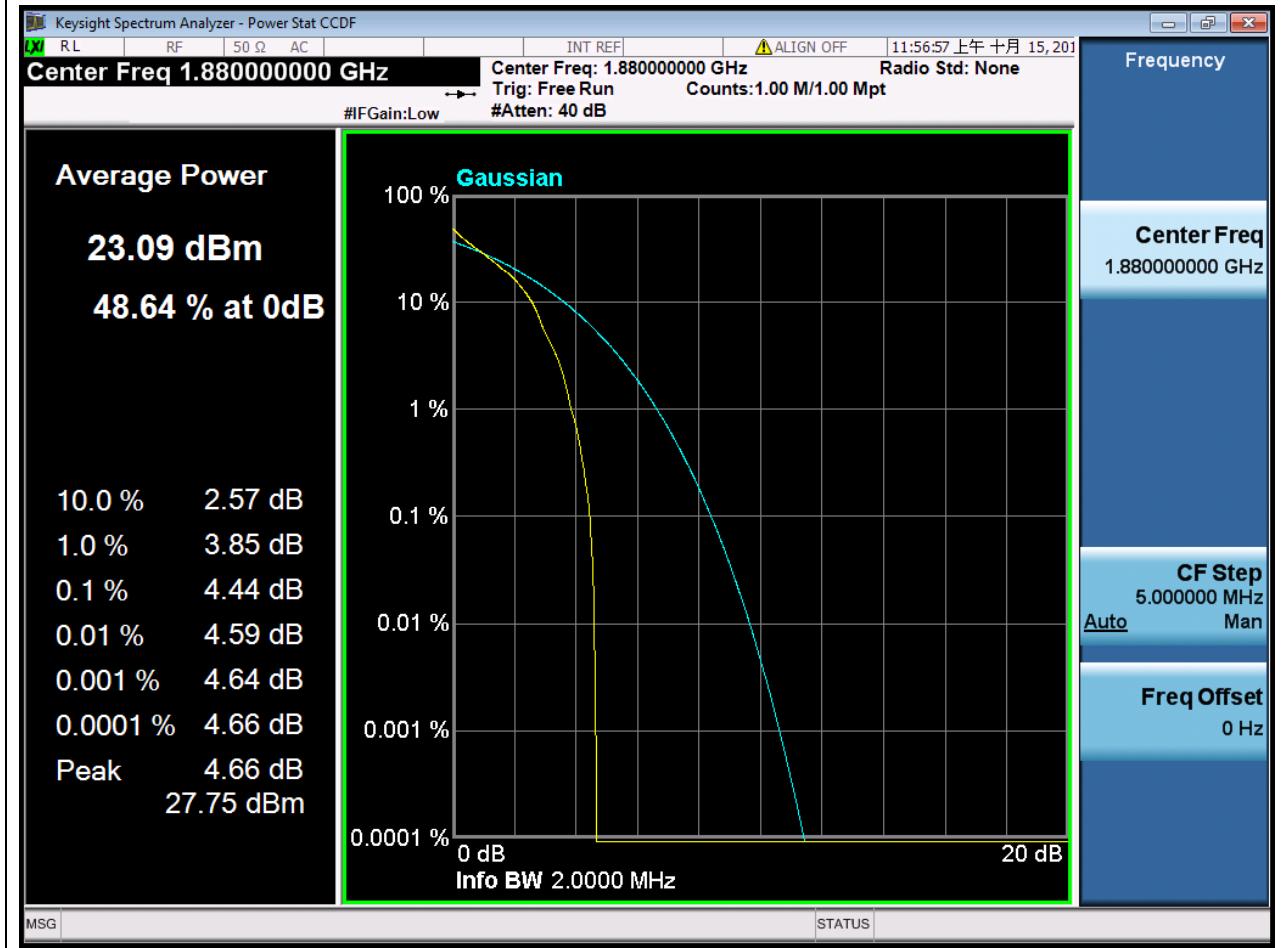


## Annex B. LTE Peak to Average Ratio

## 1. LTE\_Band2

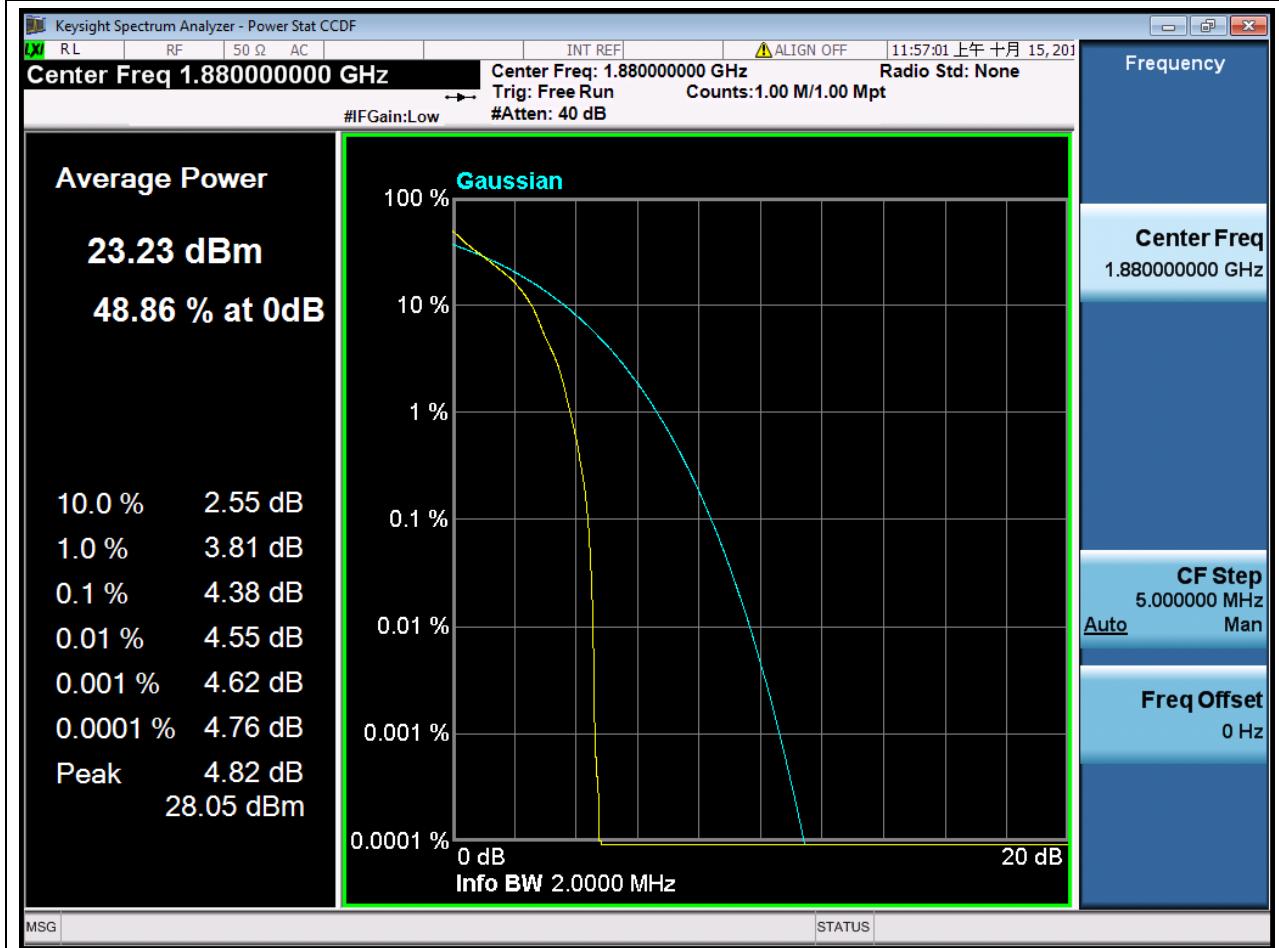
**1.1. LTE Peak to Average Ratio(NTNV)(Subtest:1, Channel:18900, Bandwidth:1.4, Modulation:QPSK, RB Number: 1, RB Position:LOW)**

| Center Frequency(MHz) | PAR Percent (%) | PAR (dB) | Upper Limit (dB) | Verdict |
|-----------------------|-----------------|----------|------------------|---------|
| 1880                  | 0.1             | 4.44     | 13               | Pass    |



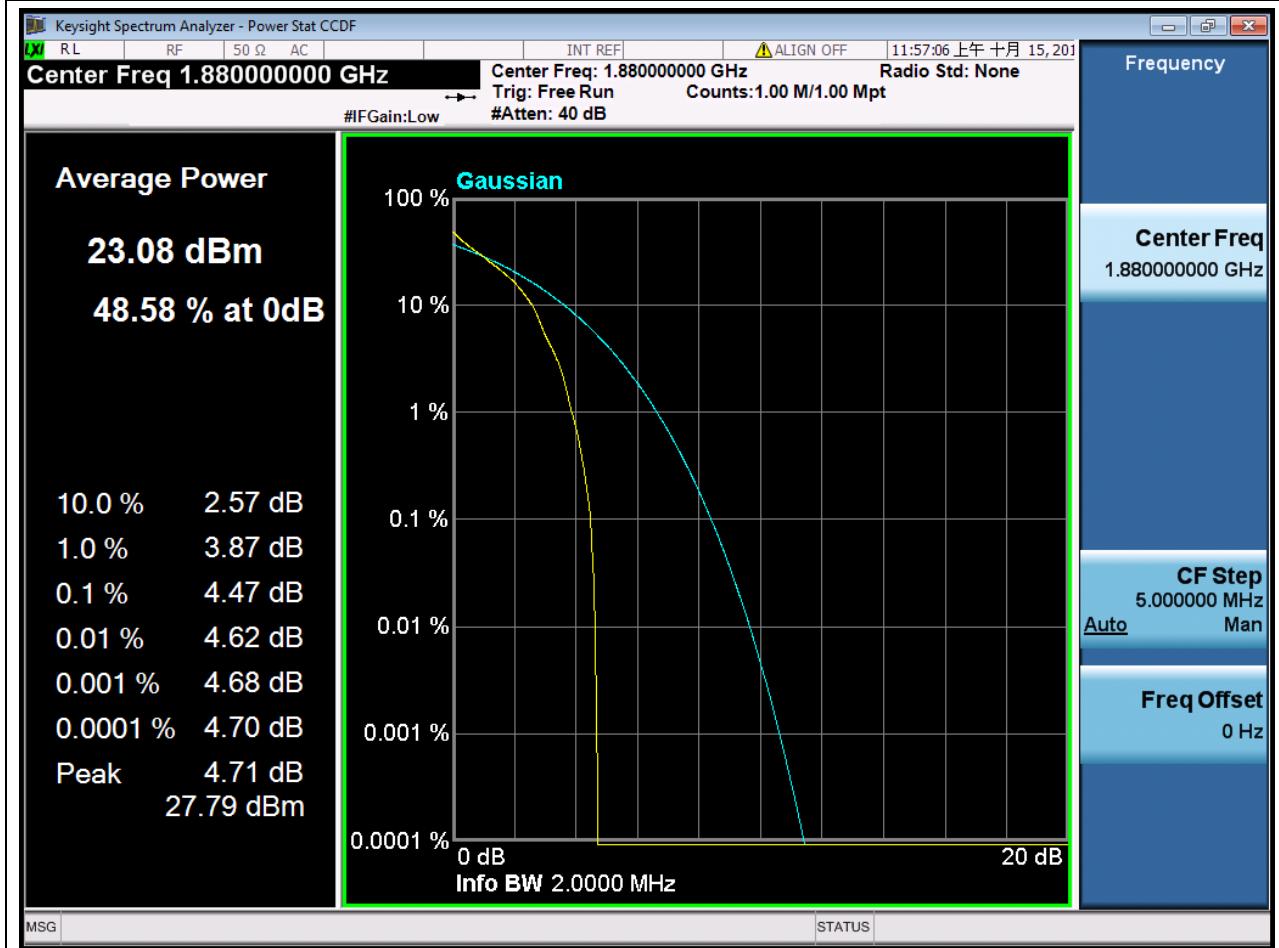
**1.2. LTE Peak to Average Ratio(NTNV)(Subtest:2, Channel:18900, Bandwidth:1.4, Modulation:QPSK, RB Number: 1, RB Position:MID)**

| Center Frequency(MHz) | PAR Percent (%) | PAR (dB) | Upper Limit (dB) | Verdict |
|-----------------------|-----------------|----------|------------------|---------|
| 1880                  | 0.1             | 4.38     | 13               | Pass    |



**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             | 4.47     | 13               | Pass    |



**1.4. LTE Peak to Average Ratio(NTV)(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             | 4.71     | 13               | Pass    |

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 11:57:10 上午 十月 15, 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 23.17 dBm  
47.48 % at 0dB

10.0 % 2.42 dB  
1.0 % 4.18 dB  
0.1 % 4.71 dB  
0.01 % 4.92 dB  
0.001 % 5.06 dB  
0.0001 % 5.10 dB  
Peak 5.11 dB  
28.28 dBm

Gaussian



0 dB 20 dB  
Info BW 2.0000 MHz

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

**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             | 4.66     | 13               | Pass    |

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 11:57:14 上午 十月 15, 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  
**23.19 dBm**  
**48.28 % at 0dB**

10.0 % 2.41 dB  
1.0 % 4.15 dB  
0.1 % 4.66 dB  
0.01 % 4.87 dB  
0.001 % 4.99 dB  
0.0001 % 5.01 dB  
Peak 5.01 dB  
28.20 dBm

Gaussian



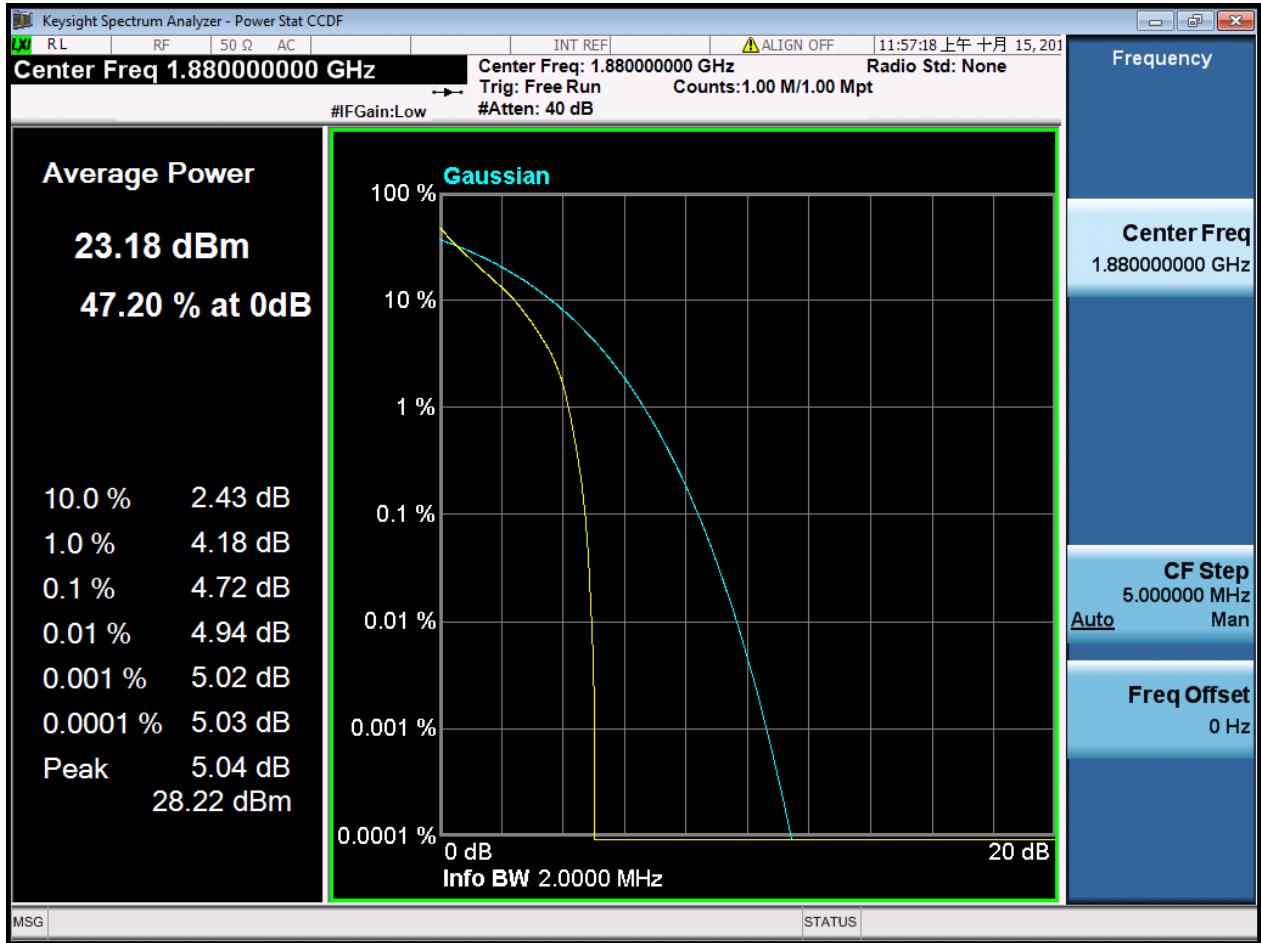
0.0001 % 0 dB 20 dB  
Info BW 2.0000 MHz

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

MSG STATUS

**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             | 4.72     | 13               | Pass    |



**Average Power**  
**23.18 dBm**  
**47.20 % at 0dB**

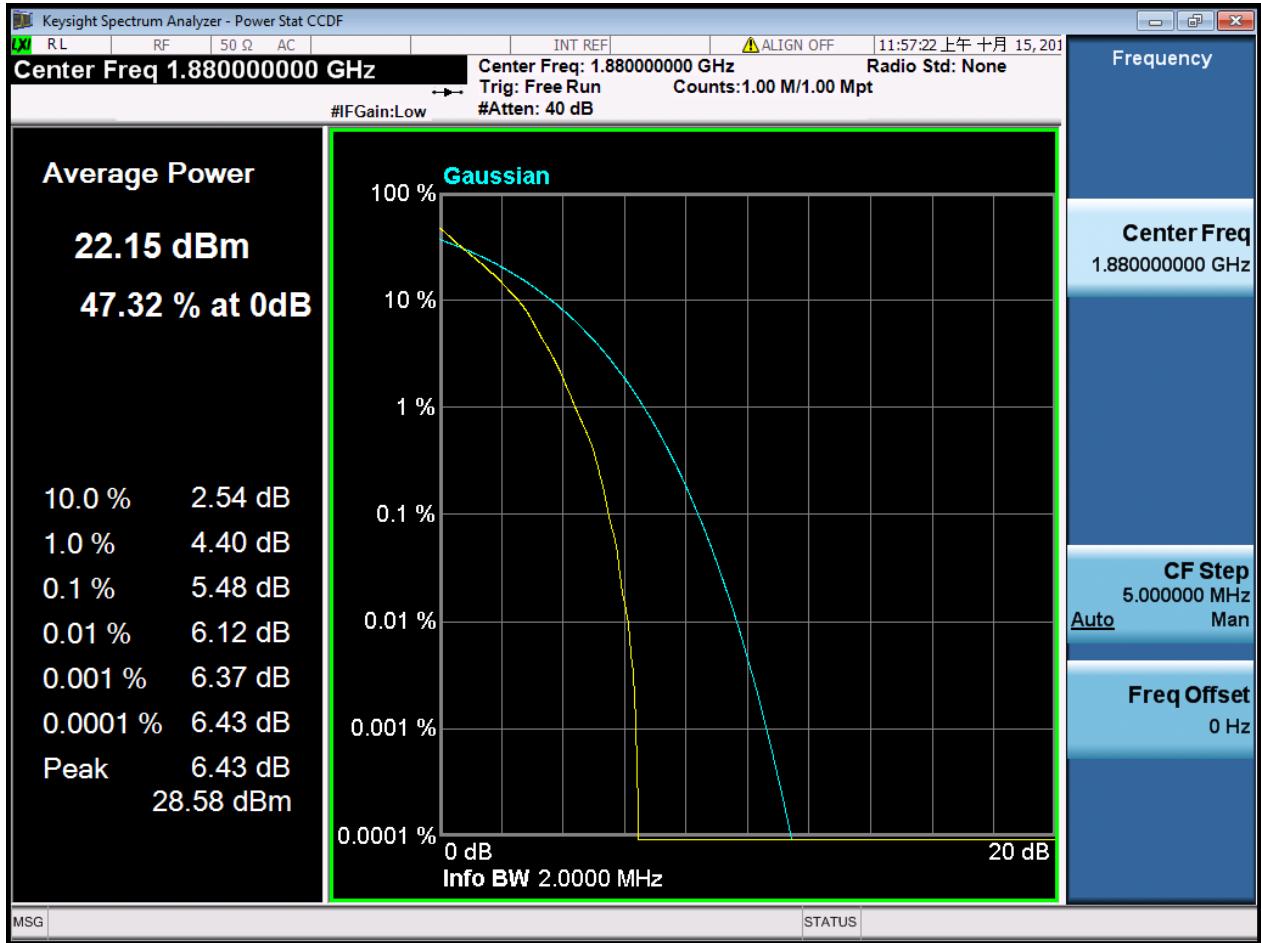
|          |           |
|----------|-----------|
| 10.0 %   | 2.43 dB   |
| 1.0 %    | 4.18 dB   |
| 0.1 %    | 4.72 dB   |
| 0.01 %   | 4.94 dB   |
| 0.001 %  | 5.02 dB   |
| 0.0001 % | 5.03 dB   |
| Peak     | 5.04 dB   |
|          | 28.22 dBm |

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

Frequency  
CF Step 5.000000 MHz Man  
Freq Offset 0 Hz

**1.7. LTE Peak to Average Ratio(NTVV)(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             | 5.48     | 13               | Pass    |



Average Power  
**22.15 dBm**  
**47.32 % at 0dB**

|          |           |
|----------|-----------|
| 10.0 %   | 2.54 dB   |
| 1.0 %    | 4.40 dB   |
| 0.1 %    | 5.48 dB   |
| 0.01 %   | 6.12 dB   |
| 0.001 %  | 6.37 dB   |
| 0.0001 % | 6.43 dB   |
| Peak     | 6.43 dB   |
|          | 28.58 dBm |

Center Freq 1.880000000 GHz  
CF Step 5.000000 MHz  
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             | 5.36     | 13               | Pass    |

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 11:57:26 上午 十月 15, 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 22.23 dBm  
43.35 % at 0dB

10.0 % 2.95 dB  
1.0 % 4.84 dB  
0.1 % 5.36 dB  
0.01 % 5.54 dB  
0.001 % 5.58 dB  
0.0001 % 5.58 dB  
Peak 5.58 dB  
27.81 dBm

Gaussian



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

**1.9. 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             | 5.28     | 13               | Pass    |

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 11:57:30 上午 十月 15, 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 22.37 dBm  
43.41 % at 0dB

10.0 % 2.96 dB  
1.0 % 4.78 dB  
0.1 % 5.28 dB  
0.01 % 5.48 dB  
0.001 % 5.56 dB  
0.0001 % 5.58 dB  
Peak 5.58 dB  
27.95 dBm

Gaussian



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

0 dB 20 dB

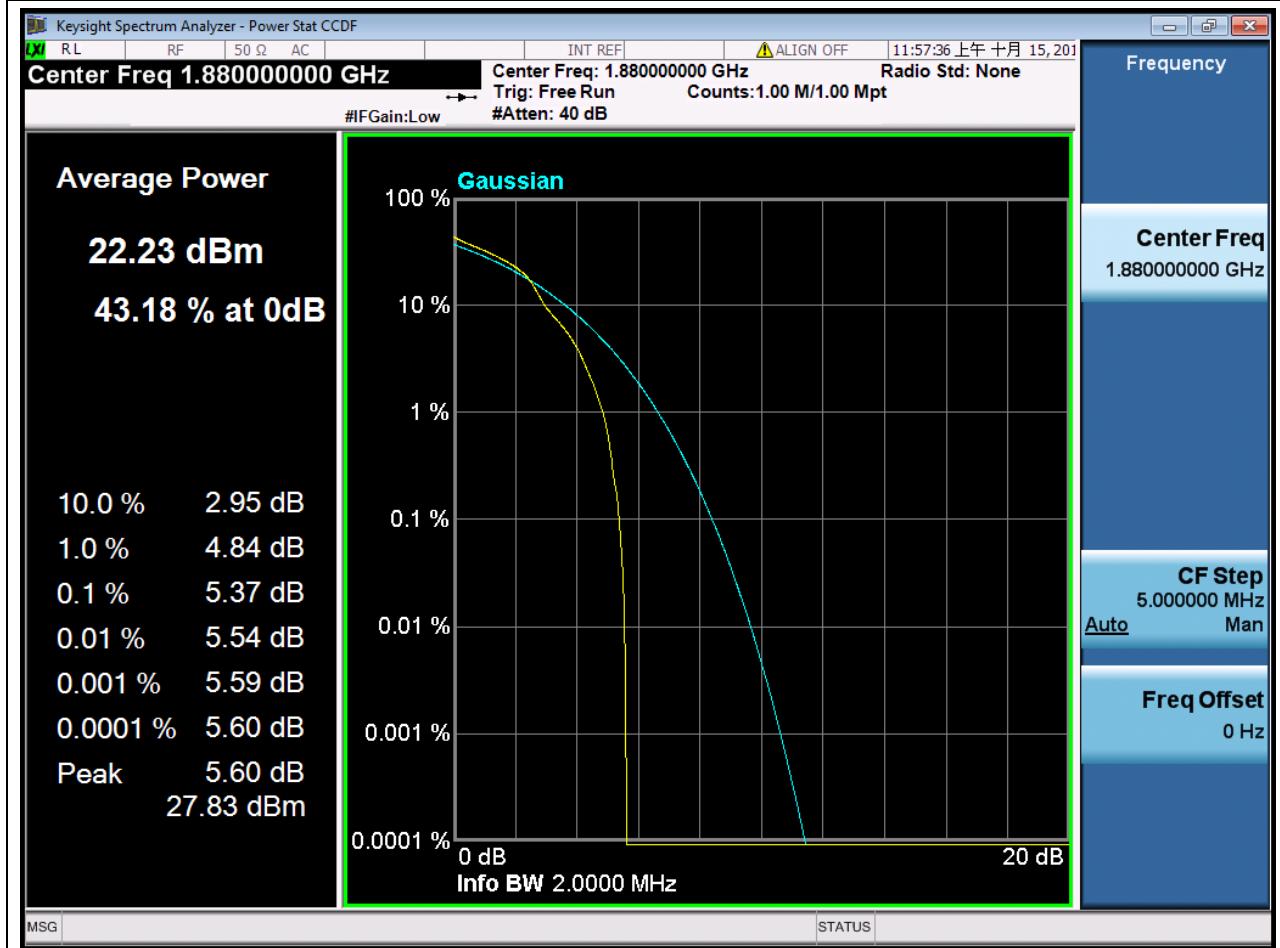
Info BW 2.0000 MHz

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

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             | 5.37     | 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             | 5.66     | 13               | Pass    |

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 11:57:40 上午 十月 15, 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  
**22.18 dBm**  
**43.90 % at 0dB**

10.0 % 2.91 dB  
1.0 % 4.94 dB  
0.1 % 5.66 dB  
0.01 % 5.87 dB  
0.001 % 5.95 dB  
0.0001 % 5.99 dB  
Peak 5.99 dB  
28.17 dBm

Gaussian



0.0001 % 0 dB 20 dB Info BW 2.0000 MHz

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

**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             | 5.62     | 13               | Pass    |

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 11:57:44 上午 十月 15, 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  
**22.18 dBm**  
**44.00 % at 0dB**

10.0 % 2.89 dB  
1.0 % 4.92 dB  
0.1 % 5.62 dB  
0.01 % 5.84 dB  
0.001 % 5.93 dB  
0.0001 % 5.95 dB  
Peak 5.95 dB  
28.13 dBm

Gaussian



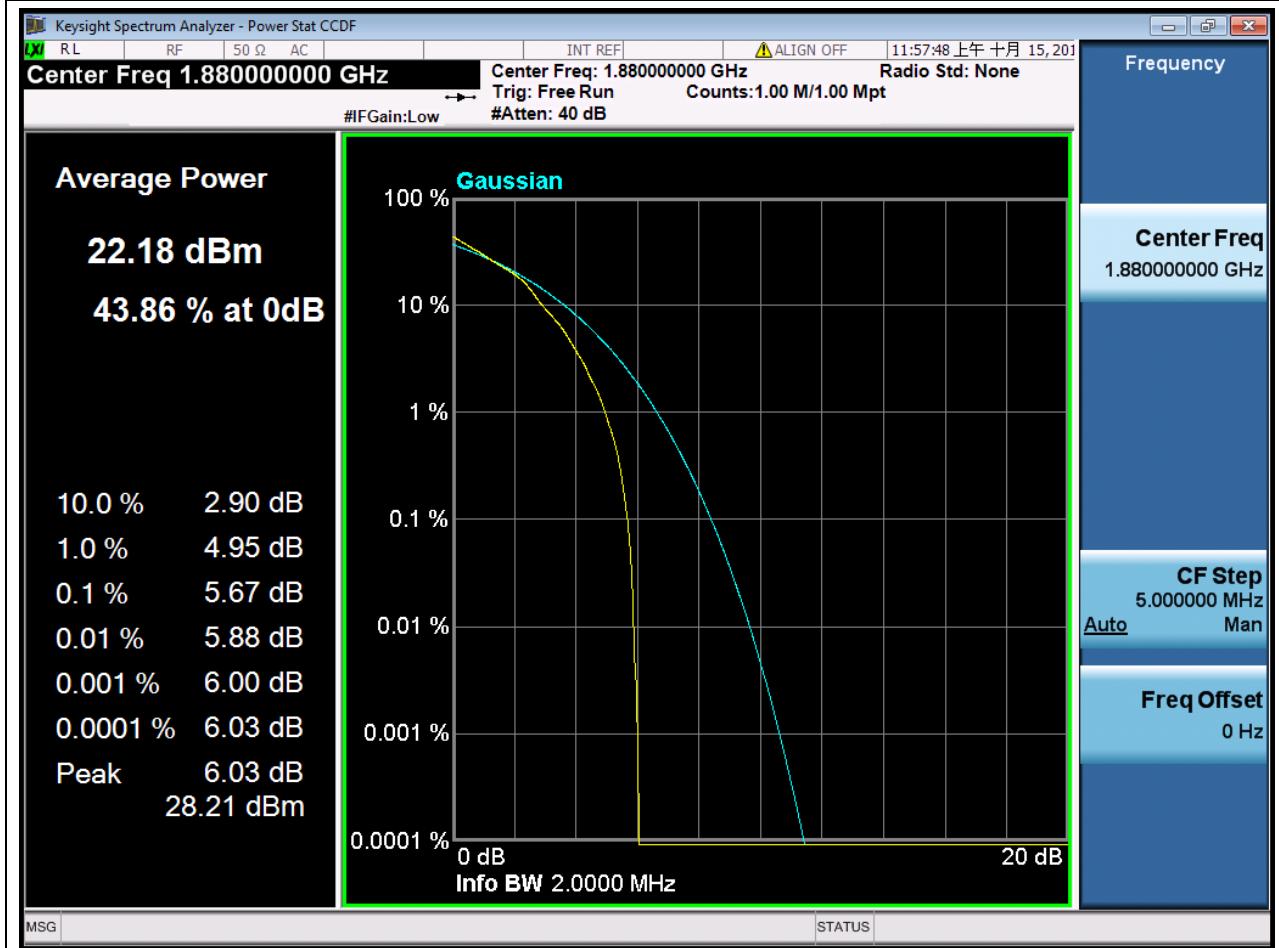
0.0001 % 0 dB 20 dB  
Info BW 2.0000 MHz

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

MSG STATUS

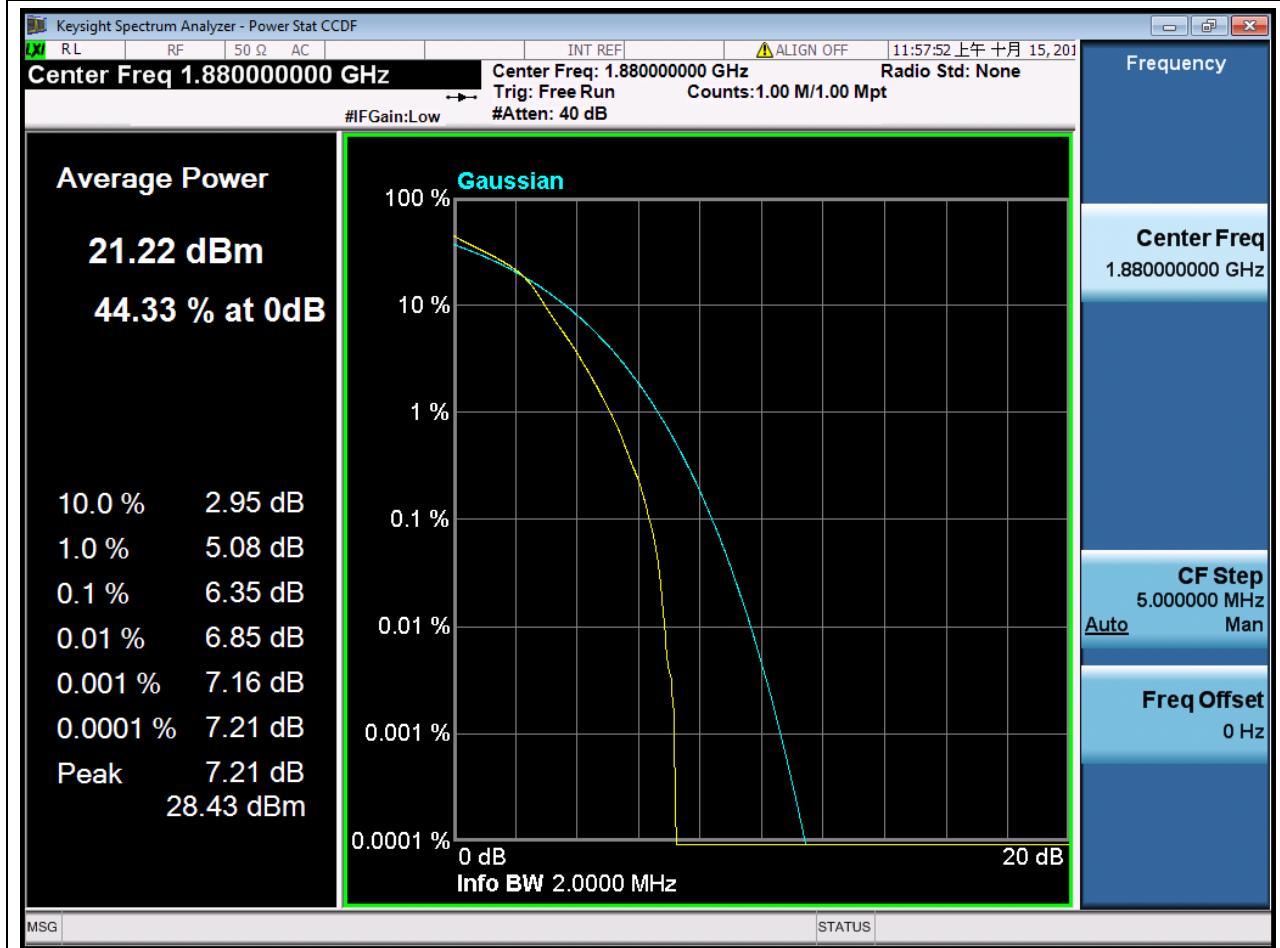
**1.13. LTE Peak to Average Ratio(NTNV)(Subtest:13, Channel:18900, Bandwidth:1.4, Modulation:Q16, RB Number: 3, RB Position:HIGH)**

| Center Frequency(MHz) | PAR Percent (%) | PAR (dB) | Upper Limit (dB) | Verdict |
|-----------------------|-----------------|----------|------------------|---------|
| 1880                  | 0.1             | 5.67     | 13               | Pass    |



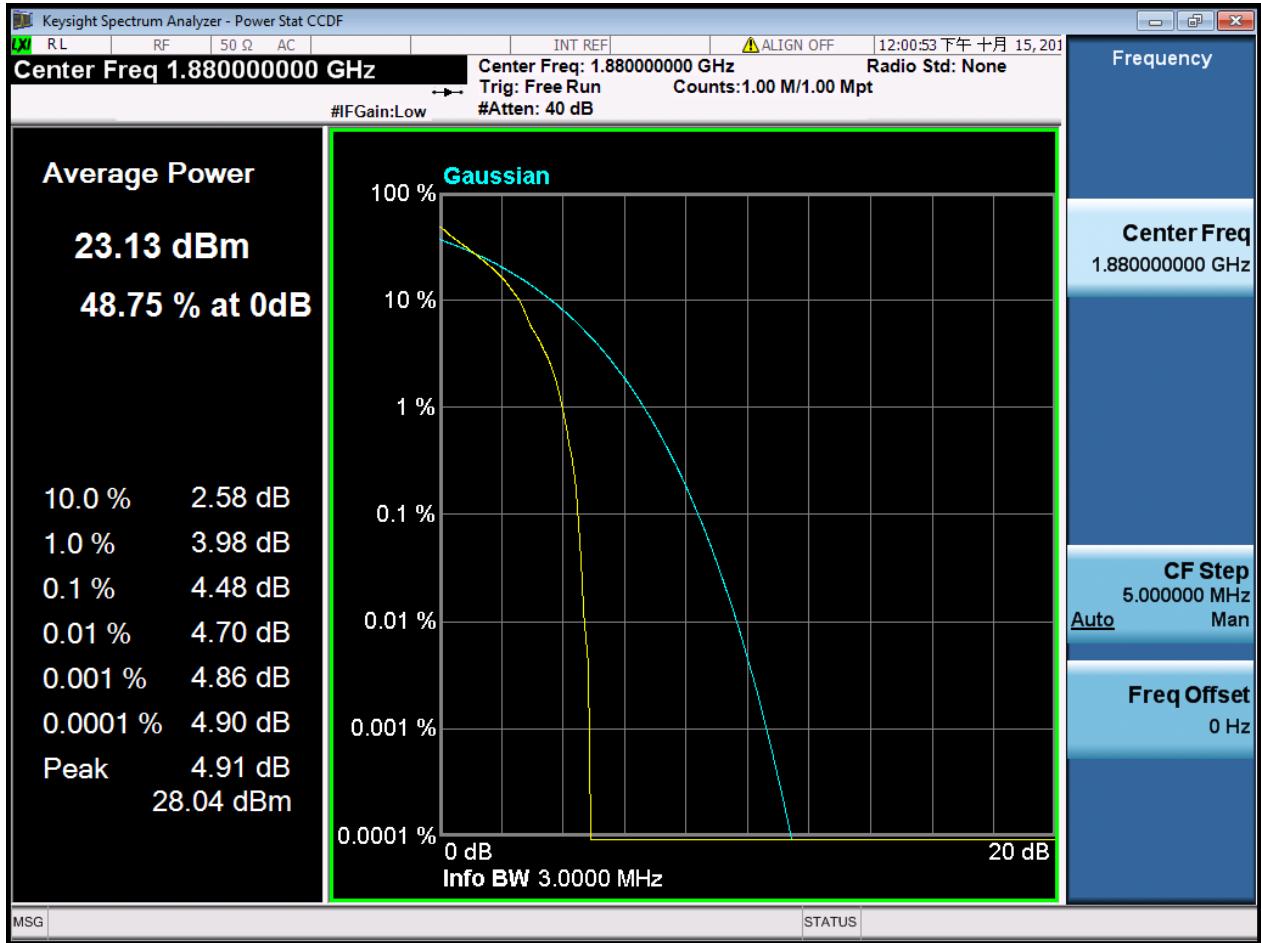
**1.14. LTE Peak to Average Ratio(NTNV)(Subtest:14, Channel:18900, Bandwidth:1.4, Modulation:Q16, RB Number: 6, RB Position:LOW)**

| Center Frequency(MHz) | PAR Percent (%) | PAR (dB) | Upper Limit (dB) | Verdict |
|-----------------------|-----------------|----------|------------------|---------|
| 1880                  | 0.1             | 6.35     | 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             | 4.48     | 13               | Pass    |



Average Power  
23.13 dBm  
48.75 % at 0dB

|          |           |
|----------|-----------|
| 10.0 %   | 2.58 dB   |
| 1.0 %    | 3.98 dB   |
| 0.1 %    | 4.48 dB   |
| 0.01 %   | 4.70 dB   |
| 0.001 %  | 4.86 dB   |
| 0.0001 % | 4.90 dB   |
| Peak     | 4.91 dB   |
|          | 28.04 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

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

**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             | 4.48     | 13               | Pass    |

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 12:00:57 下午 十月 15, 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  
**23.10 dBm**  
**48.69 % at 0dB**

10.0 % 2.59 dB  
1.0 % 3.99 dB  
0.1 % 4.48 dB  
0.01 % 4.70 dB  
0.001 % 4.80 dB  
0.0001 % 4.82 dB  
Peak 4.82 dB  
27.92 dBm

Gaussian



0.0001 % 0 dB 20 dB  
Info BW 3.0000 MHz

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

MSG STATUS

**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             | 4.53     | 13               | Pass    |

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 12:01:01 下午 十月 15, 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  
**23.13 dBm**  
**48.55 % at 0dB**

10.0 % 2.59 dB  
1.0 % 4.02 dB  
0.1 % 4.53 dB  
0.01 % 4.76 dB  
0.001 % 4.96 dB  
0.0001 % 4.97 dB  
Peak 4.97 dB  
28.10 dBm

Gaussian



0.0001 % 0 dB 20 dB  
Info BW 3.0000 MHz

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

MSG STATUS

**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             | 5.54     | 13               | Pass    |

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 12:01:05 下午 十月 15, 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 22.14 dBm  
46.39 % at 0dB

10.0 % 2.53 dB  
1.0 % 4.47 dB  
0.1 % 5.54 dB  
0.01 % 6.10 dB  
0.001 % 6.25 dB  
0.0001 % 6.30 dB  
Peak 6.30 dB  
28.44 dBm

Gaussian



0.0001 % 0 dB 20 dB  
Info BW 3.0000 MHz

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

MSG STATUS

**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             | 5.48     | 13               | Pass    |

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 12:01:09 下午 十月 15, 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 22.17 dBm  
46.29 % at 0dB

10.0 % 2.51 dB  
1.0 % 4.45 dB  
0.1 % 5.48 dB  
0.01 % 6.00 dB  
0.001 % 6.29 dB  
0.0001 % 6.40 dB  
Peak 6.40 dB  
28.57 dBm

Gaussian



0.0001 % 0 dB 20 dB Info BW 3.0000 MHz

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

MSG STATUS

**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             | 5.53     | 13               | Pass    |

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 12:01:14 下午 十月 15, 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 22.14 dBm  
46.24 % at 0dB

10.0 % 2.53 dB  
1.0 % 4.47 dB  
0.1 % 5.53 dB  
0.01 % 6.20 dB  
0.001 % 6.46 dB  
0.0001 % 6.53 dB  
Peak 6.58 dB  
28.72 dBm

Gaussian



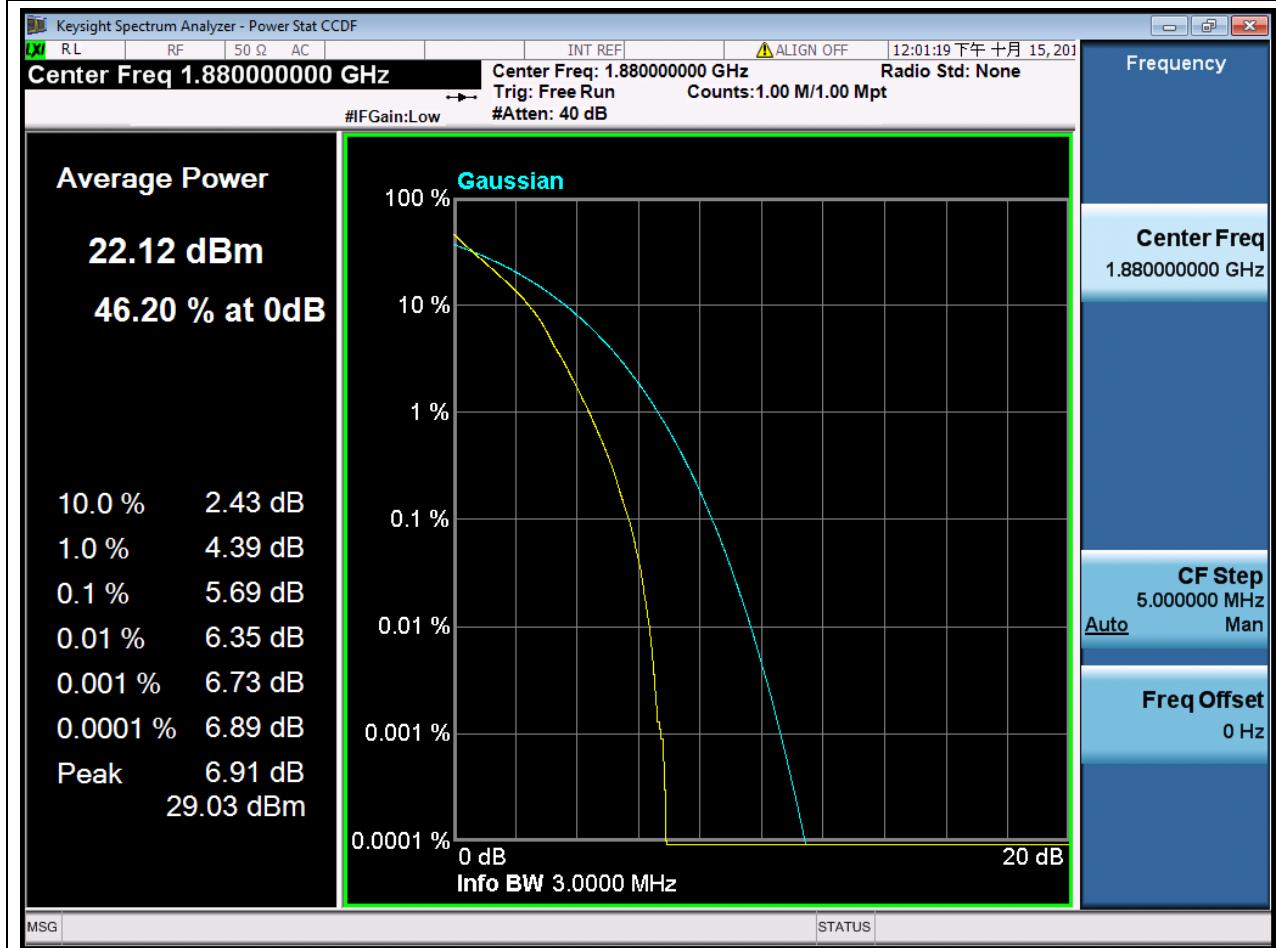
0 dB 20 dB  
Info BW 3.0000 MHz

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

MSG STATUS

**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             | 5.69     | 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             | 5.36     | 13               | Pass    |

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 12:01:23 下午 十月 15, 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  
**22.35 dBm**  
**44.04 % at 0dB**

10.0 % 2.92 dB  
1.0 % 4.78 dB  
0.1 % 5.36 dB  
0.01 % 5.58 dB  
0.001 % 5.68 dB  
0.0001 % 5.71 dB  
Peak 5.71 dB  
28.06 dBm

Gaussian



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

0 dB 20 dB

Info BW 3.0000 MHz

Frequency  
Center Freq 1.880000000 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: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             | 5.36     | 13               | Pass    |

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 12:01:27 下午 十月 15, 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 22.31 dBm  
44.02 % at 0dB

10.0 % 2.92 dB  
1.0 % 4.78 dB  
0.1 % 5.36 dB  
0.01 % 5.55 dB  
0.001 % 5.61 dB  
0.0001 % 5.62 dB  
Peak 5.65 dB  
27.96 dBm

Gaussian



0 dB 20 dB  
Info BW 3.0000 MHz

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

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             | 5.38     | 13               | Pass    |

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 12:01:31 下午 十月 15, 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  
**22.37 dBm**  
**44.02 % at 0dB**

10.0 % 2.92 dB  
1.0 % 4.80 dB  
0.1 % 5.38 dB  
0.01 % 5.65 dB  
0.001 % 5.87 dB  
0.0001 % 5.89 dB  
Peak 5.89 dB  
28.26 dBm

Gaussian



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

0 dB 20 dB

Info BW 3.0000 MHz

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

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             | 6.2      | 13               | Pass    |

Keysight Spectrum Analyzer - Power Stat CCDF

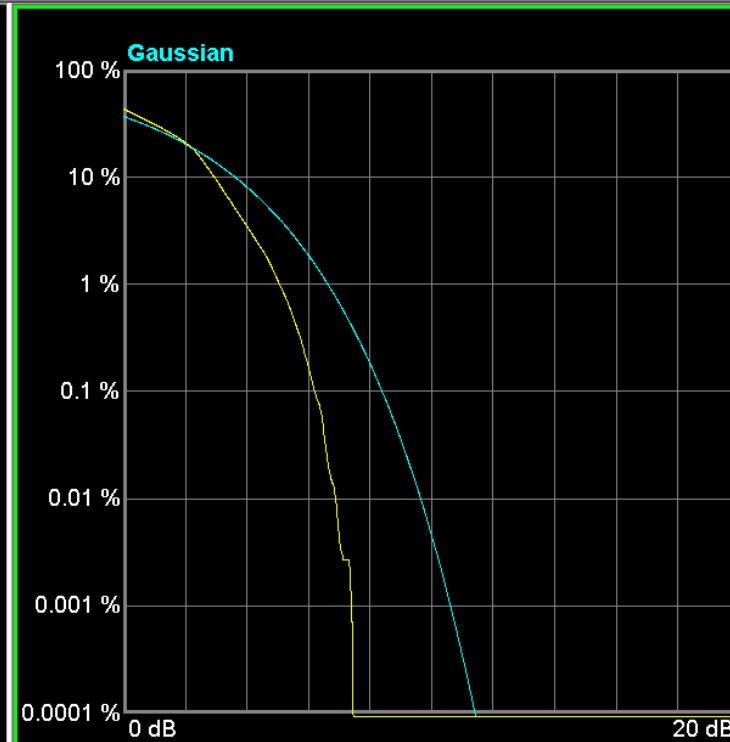
RL RF 50 Ω AC INT REF ALIGN OFF 12:01:35 下午 十月 15, 201

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 21.23 dBm  
43.43 % at 0dB

10.0 % 2.94 dB  
1.0 % 5.06 dB  
0.1 % 6.20 dB  
0.01 % 6.87 dB  
0.001 % 7.39 dB  
0.0001 % 7.44 dB  
Peak 7.45 dB  
28.68 dBm

Gaussian



0 dB 20 dB  
Info BW 3.0000 MHz

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

**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             | 6.18     | 13               | Pass    |

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 12:01:39 下午 十月 15, 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 21.24 dBm  
43.86 % at 0dB

10.0 % 2.94 dB  
1.0 % 5.05 dB  
0.1 % 6.18 dB  
0.01 % 6.86 dB  
0.001 % 7.03 dB  
0.0001 % 7.14 dB  
Peak 7.16 dB  
28.40 dBm

Gaussian



0.0001 % 0 dB 20 dB  
Info BW 3.0000 MHz

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

MSG STATUS

**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             | 6.23     | 13               | Pass    |

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 12:01:43 下午 十月 15, 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 21.22 dBm  
43.49 % at 0dB

10.0 % 2.94 dB  
1.0 % 5.07 dB  
0.1 % 6.23 dB  
0.01 % 6.78 dB  
0.001 % 7.32 dB  
0.0001 % 7.41 dB  
Peak 7.43 dB  
28.65 dBm

Gaussian



0.0001 % 0 dB 20 dB  
Info BW 3.0000 MHz

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

MSG STATUS

**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             | 6.52     | 13               | Pass    |

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 12:01:48 下午 十月 15, 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  
**21.15 dBm**  
**44.17 % at 0dB**

10.0 % 2.88 dB  
1.0 % 5.08 dB  
0.1 % 6.52 dB  
0.01 % 7.43 dB  
0.001 % 7.85 dB  
0.0001 % 7.90 dB  
Peak 7.90 dB  
29.05 dBm

Gaussian



0.0001 % 0 dB 20 dB  
Info BW 3.0000 MHz

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

MSG STATUS

**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             | 4.49     | 13               | Pass    |

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 12:03:45 下午 十月 15, 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 23.13 dBm  
47.47 % at 0dB

10.0 % 2.56 dB  
1.0 % 3.94 dB  
0.1 % 4.49 dB  
0.01 % 4.80 dB  
0.001 % 4.91 dB  
0.0001 % 4.94 dB  
Peak 4.96 dB  
28.09 dBm

Gaussian



0.0001 % 0 dB 20 dB  
Info BW 5.0000 MHz

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

MSG STATUS

**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             | 4.45     | 13               | Pass    |

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 12:03:49 下午 十月 15, 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  
**23.13 dBm**  
**47.82 % at 0dB**

10.0 % 2.56 dB  
1.0 % 3.91 dB  
0.1 % 4.45 dB  
0.01 % 4.73 dB  
0.001 % 4.84 dB  
0.0001 % 4.86 dB  
Peak 4.86 dB  
27.99 dBm

Gaussian



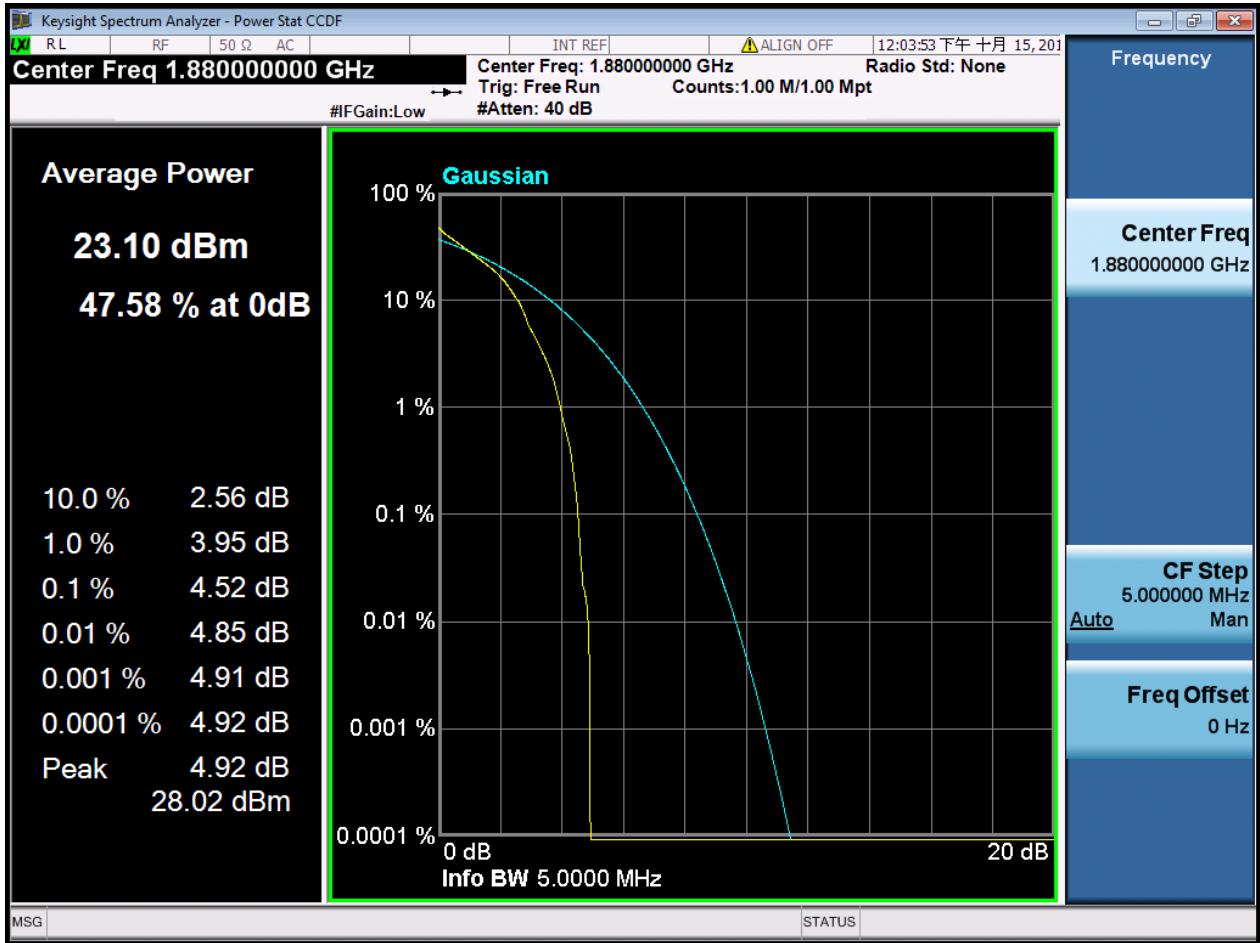
Info BW 5.0000 MHz

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

MSG STATUS

**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             | 4.52     | 13               | Pass    |



**Average Power**  
**23.10 dBm**  
**47.58 % at 0dB**

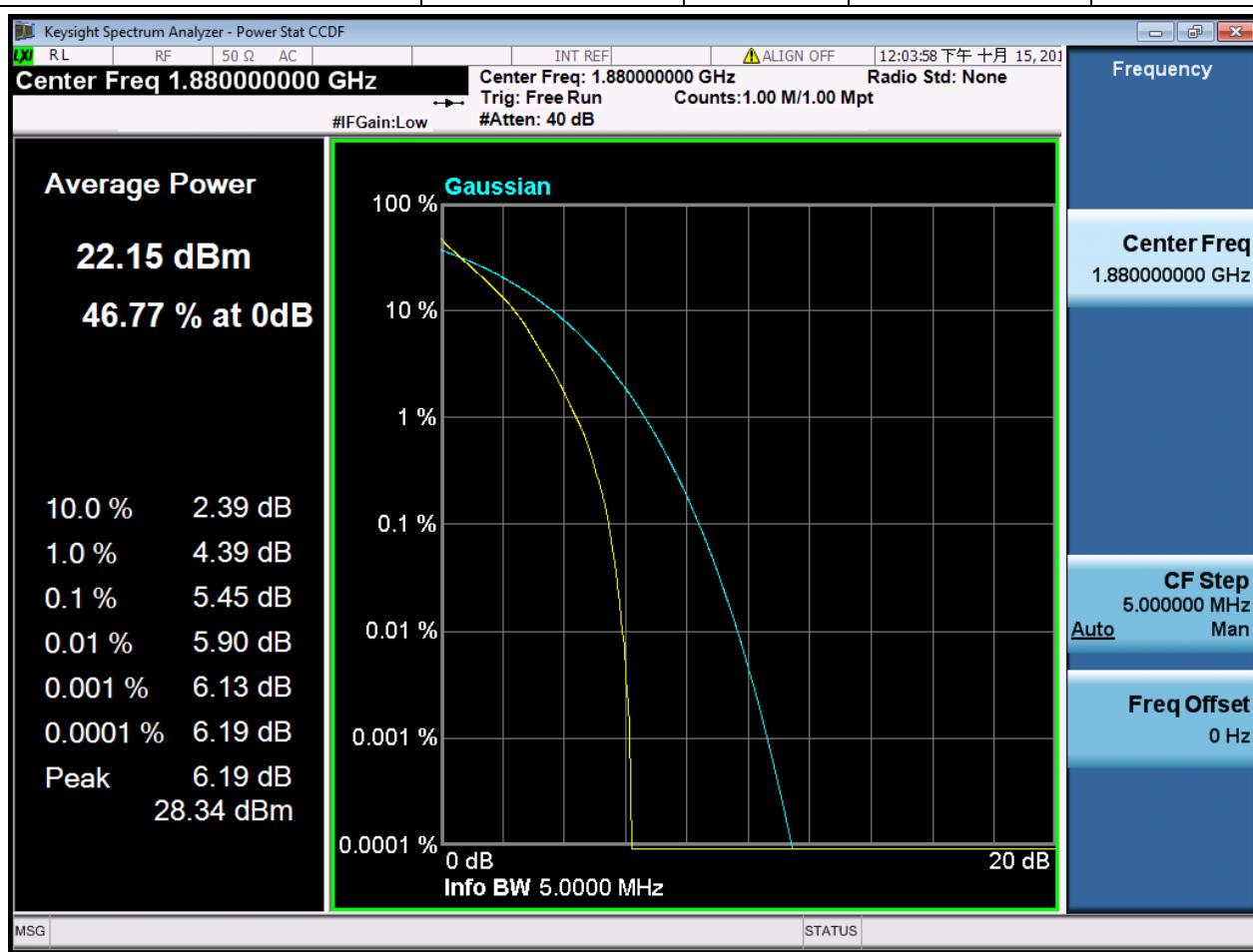
|          |           |
|----------|-----------|
| 10.0 %   | 2.56 dB   |
| 1.0 %    | 3.95 dB   |
| 0.1 %    | 4.52 dB   |
| 0.01 %   | 4.85 dB   |
| 0.001 %  | 4.91 dB   |
| 0.0001 % | 4.92 dB   |
| Peak     | 4.92 dB   |
|          | 28.02 dBm |

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

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

**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             | 5.45     | 13               | Pass    |

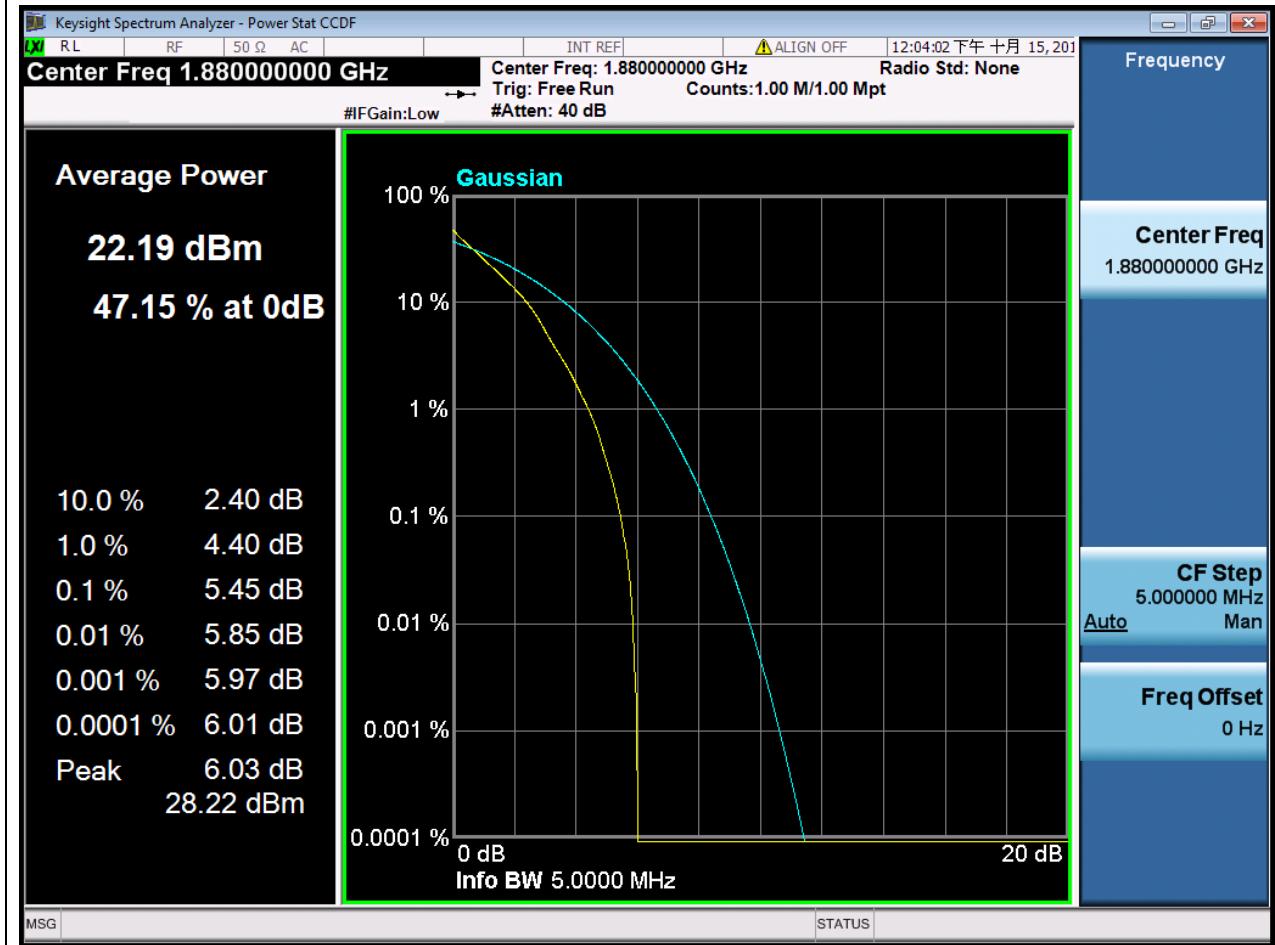


Average Power  
**22.15 dBm**  
**46.77 % at 0dB**

|          |           |
|----------|-----------|
| 10.0 %   | 2.39 dB   |
| 1.0 %    | 4.39 dB   |
| 0.1 %    | 5.45 dB   |
| 0.01 %   | 5.90 dB   |
| 0.001 %  | 6.13 dB   |
| 0.0001 % | 6.19 dB   |
| Peak     | 6.19 dB   |
|          | 28.34 dBm |

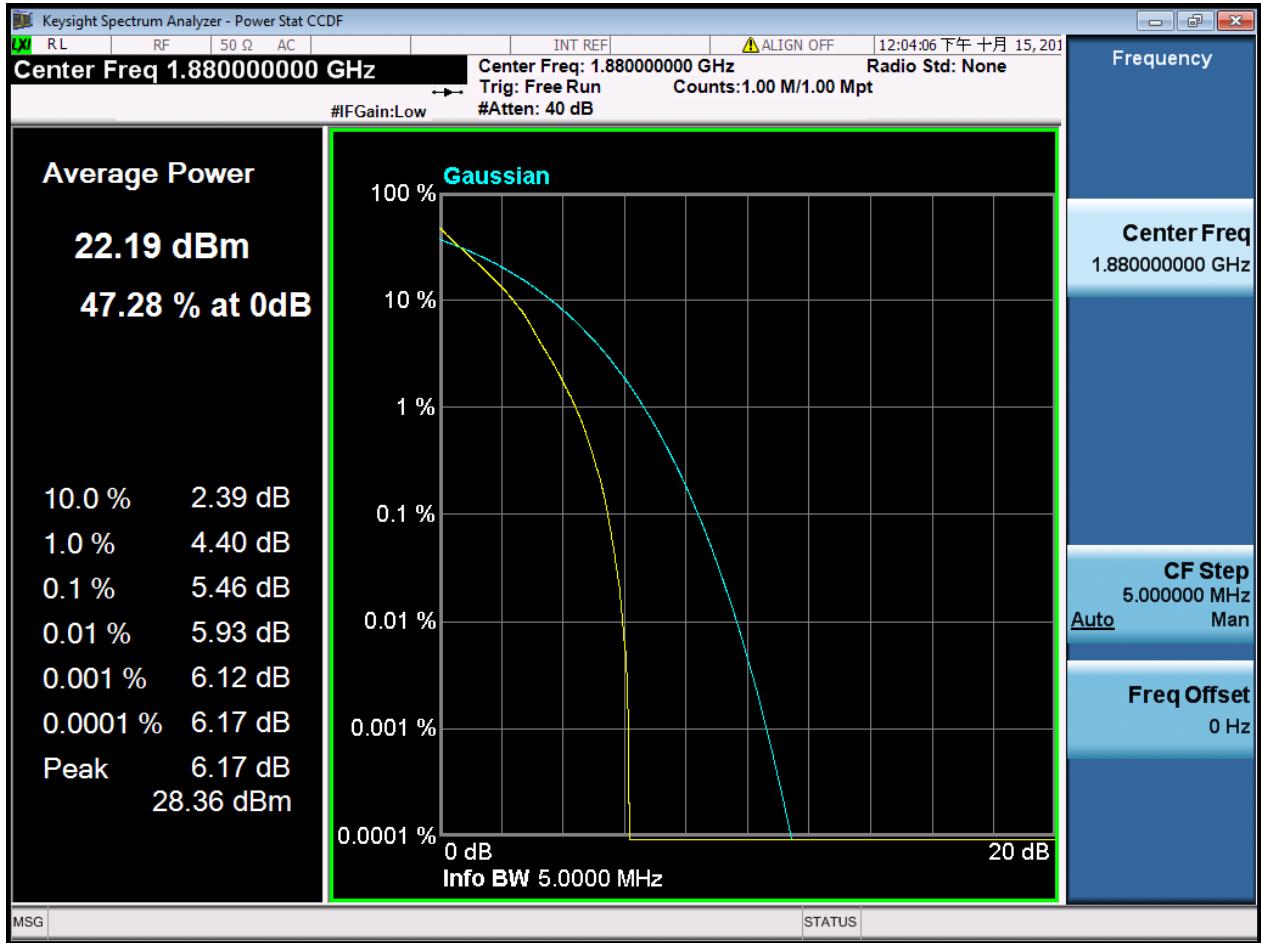
**1.33. LTE Peak to Average Ratio(NTNV)(Subtest:33, Channel:18900, Bandwidth:5, Modulation:QPSK, RB Number: 12, RB Position:MID)**

| Center Frequency(MHz) | PAR Percent (%) | PAR (dB) | Upper Limit (dB) | Verdict |
|-----------------------|-----------------|----------|------------------|---------|
| 1880                  | 0.1             | 5.45     | 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             | 5.46     | 13               | Pass    |



Average Power  
**22.19 dBm**  
**47.28 % at 0dB**

|          |           |
|----------|-----------|
| 10.0 %   | 2.39 dB   |
| 1.0 %    | 4.40 dB   |
| 0.1 %    | 5.46 dB   |
| 0.01 %   | 5.93 dB   |
| 0.001 %  | 6.12 dB   |
| 0.0001 % | 6.17 dB   |
| Peak     | 6.17 dB   |
|          | 28.36 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

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

**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             | 5.58     | 13               | Pass    |

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 12:04:10 下午 十月 15, 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  
**22.16 dBm**  
**47.10 % at 0dB**

10.0 % 2.36 dB  
1.0 % 4.47 dB  
0.1 % 5.58 dB  
0.01 % 6.15 dB  
0.001 % 6.79 dB  
0.0001 % 7.03 dB  
Peak 7.04 dB  
29.20 dBm

Gaussian



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

MSG STATUS

**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             | 5.36     | 13               | Pass    |

Keysight Spectrum Analyzer - Power Stat CCDF

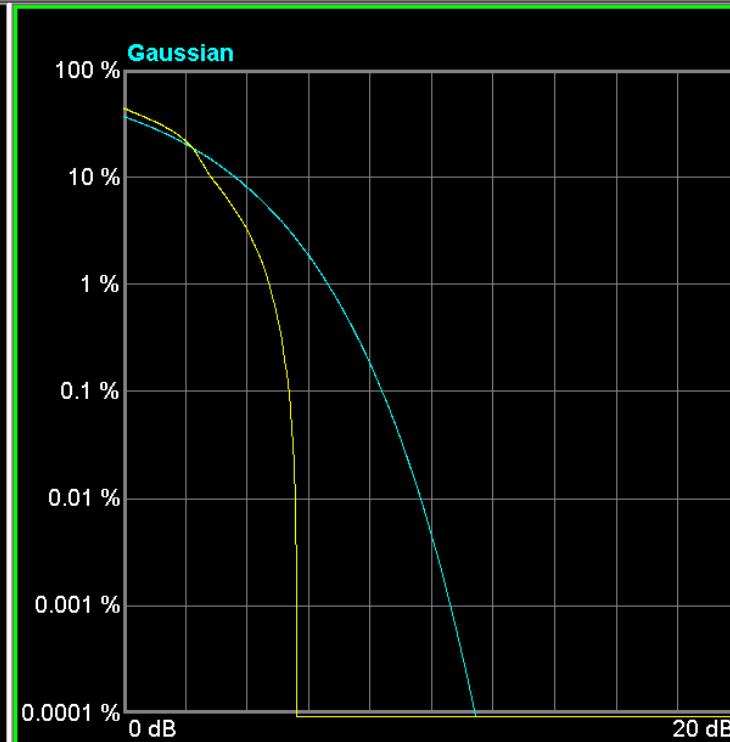
RL RF 50 Ω AC INT REF ALIGN OFF 12:04:14 下午 十月 15, 201

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  
**22.45 dBm**  
**44.02 % at 0dB**

10.0 % 2.84 dB  
1.0 % 4.72 dB  
0.1 % 5.36 dB  
0.01 % 5.57 dB  
0.001 % 5.61 dB  
0.0001 % 5.62 dB  
Peak 5.64 dB  
28.09 dBm

Gaussian



0.0001 % 0 dB 20 dB  
Info BW 5.0000 MHz

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

MSG STATUS

**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             | 5.29     | 13               | Pass    |

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 12:04:18 下午 十月 15, 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  
**22.43 dBm**  
**44.30 % at 0dB**

10.0 % 2.83 dB  
1.0 % 4.67 dB  
0.1 % 5.29 dB  
0.01 % 5.51 dB  
0.001 % 5.58 dB  
0.0001 % 5.60 dB  
Peak 5.61 dB  
28.04 dBm

Gaussian



0.0001 % 0 dB 20 dB  
Info BW 5.0000 MHz

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

MSG STATUS

**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             | 5.39     | 13               | Pass    |

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 12:04:22 下午 十月 15, 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  
**22.46 dBm**  
**43.90 % at 0dB**

10.0 % 2.83 dB  
1.0 % 4.74 dB  
0.1 % 5.39 dB  
0.01 % 5.62 dB  
0.001 % 5.66 dB  
0.0001 % 5.67 dB  
Peak 5.72 dB  
28.18 dBm

Gaussian

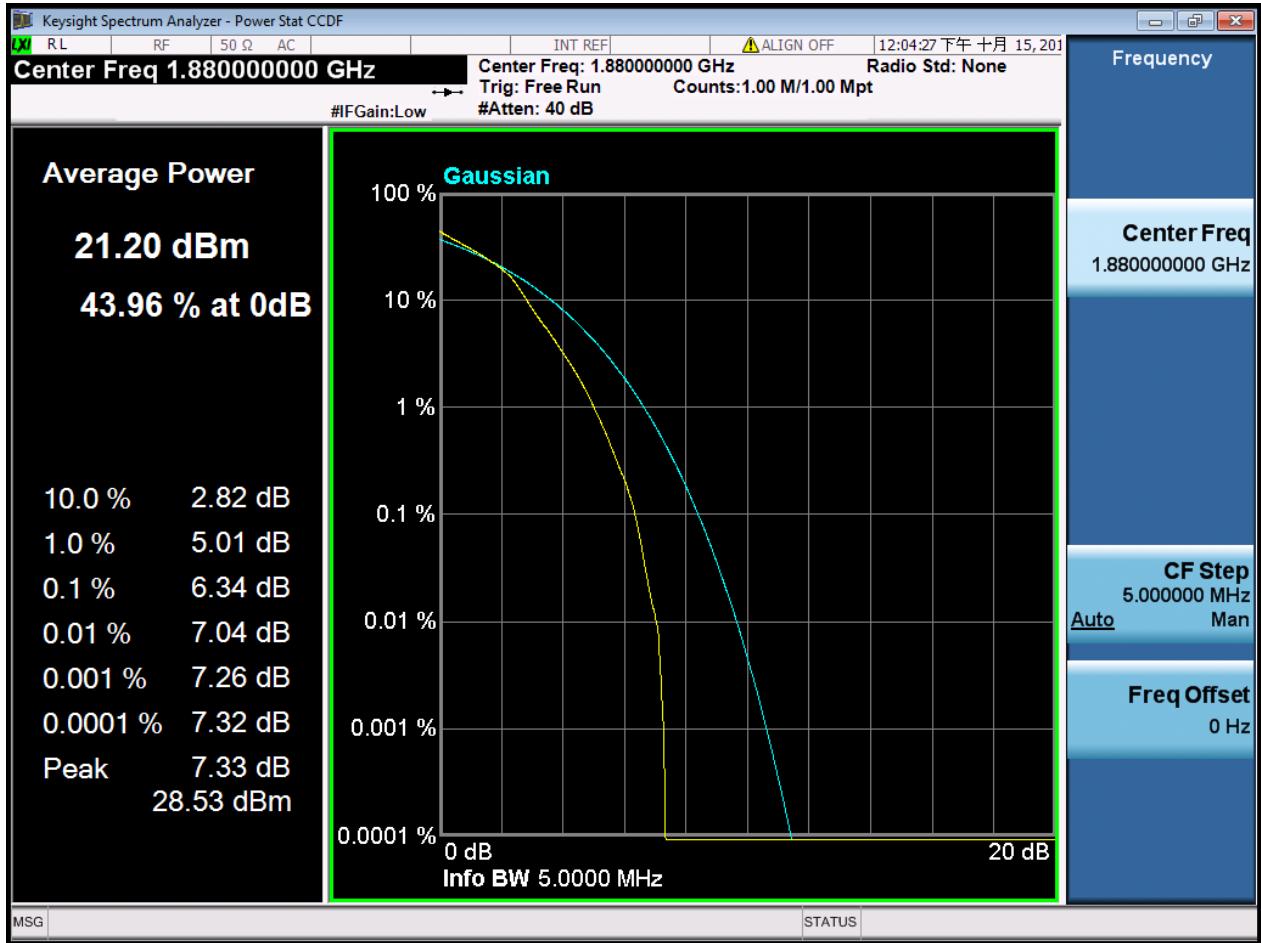


Frequency  
Center Freq 1.880000000 GHz  
CF Step 5.000000 MHz Man  
Auto  
Freq Offset 0 Hz

MSG STATUS

**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             | 6.34     | 13               | Pass    |



**Average Power**  
**21.20 dBm**  
**43.96 % at 0dB**

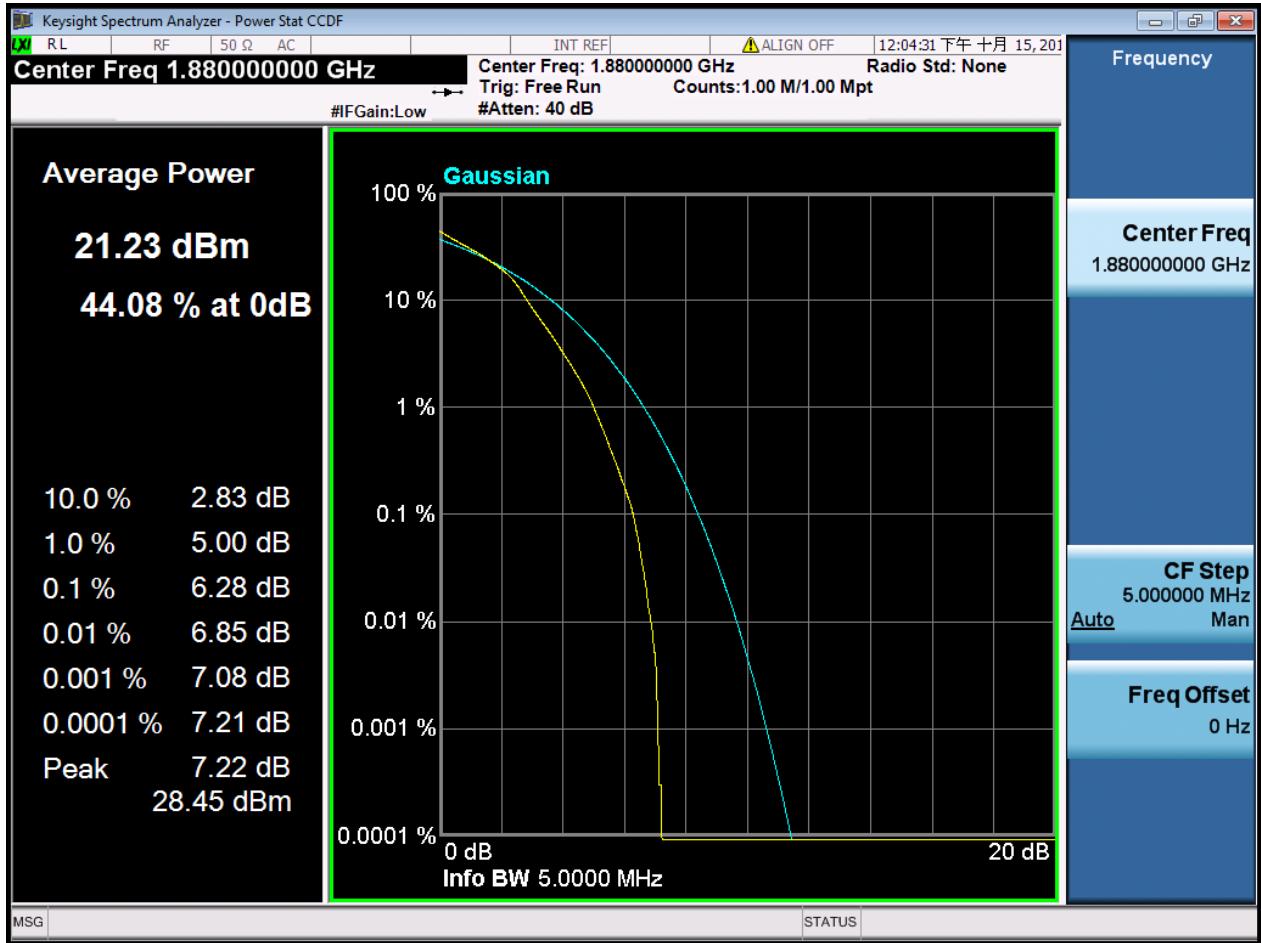
|          |           |
|----------|-----------|
| 10.0 %   | 2.82 dB   |
| 1.0 %    | 5.01 dB   |
| 0.1 %    | 6.34 dB   |
| 0.01 %   | 7.04 dB   |
| 0.001 %  | 7.26 dB   |
| 0.0001 % | 7.32 dB   |
| Peak     | 7.33 dB   |
|          | 28.53 dBm |

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

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

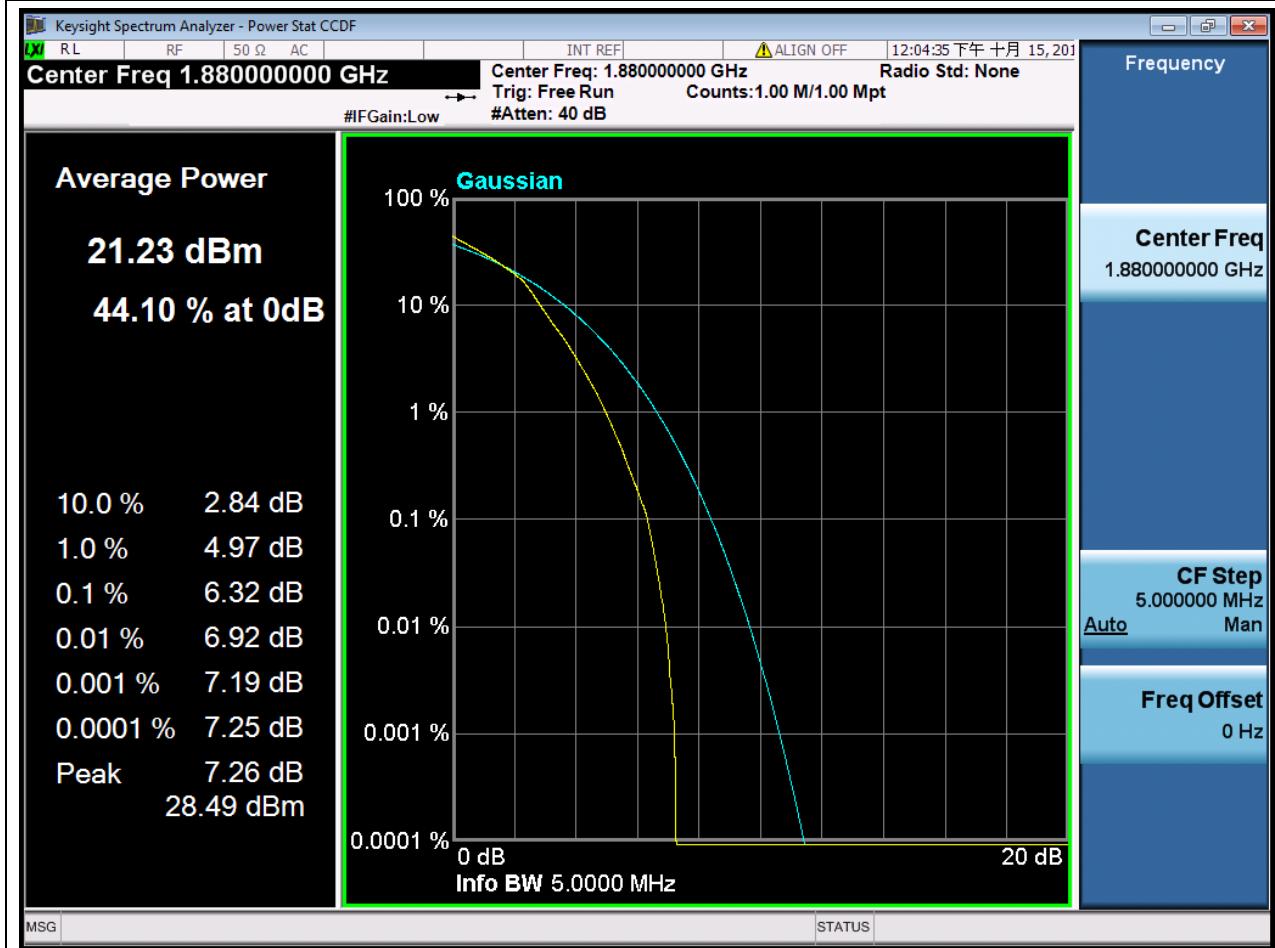
**1.40. LTE Peak to Average Ratio(NTNV)(Subtest:40, Channel:18900, Bandwidth:5, Modulation:Q16, RB Number: 12, RB Position:MID)**

| Center Frequency(MHz) | PAR Percent (%) | PAR (dB) | Upper Limit (dB) | Verdict |
|-----------------------|-----------------|----------|------------------|---------|
| 1880                  | 0.1             | 6.28     | 13               | Pass    |



**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             | 6.32     | 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             | 6.38     | 13               | Pass    |

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 12:04:39 下午 十月 15, 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 21.23 dBm  
44.85 % at 0dB

10.0 % 2.80 dB  
1.0 % 5.02 dB  
0.1 % 6.38 dB  
0.01 % 7.07 dB  
0.001 % 7.31 dB  
0.0001 % 7.40 dB  
Peak 7.44 dB  
28.67 dBm

Gaussian



0.0001 % 0 dB 20 dB Info BW 5.0000 MHz

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

MSG STATUS

**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             | 4.61     | 13               | Pass    |

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 12:06:42 下午 十月 15, 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 23.12 dBm  
48.12 % at 0dB

10.0 % 2.60 dB  
1.0 % 4.01 dB  
0.1 % 4.61 dB  
0.01 % 4.74 dB  
0.001 % 4.78 dB  
0.0001 % 4.79 dB  
Peak 4.84 dB  
27.96 dBm

Gaussian



0 dB 20 dB Info BW 10.000 MHz

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

**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             | 4.54     | 13               | Pass    |

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 12:06:47 下午 十月 15, 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 23.21 dBm  
48.06 % at 0dB

10.0 % 2.56 dB  
1.0 % 3.97 dB  
0.1 % 4.54 dB  
0.01 % 4.71 dB  
0.001 % 4.76 dB  
0.0001 % 4.88 dB  
Peak 4.97 dB  
28.18 dBm

Gaussian



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

0 dB 20 dB

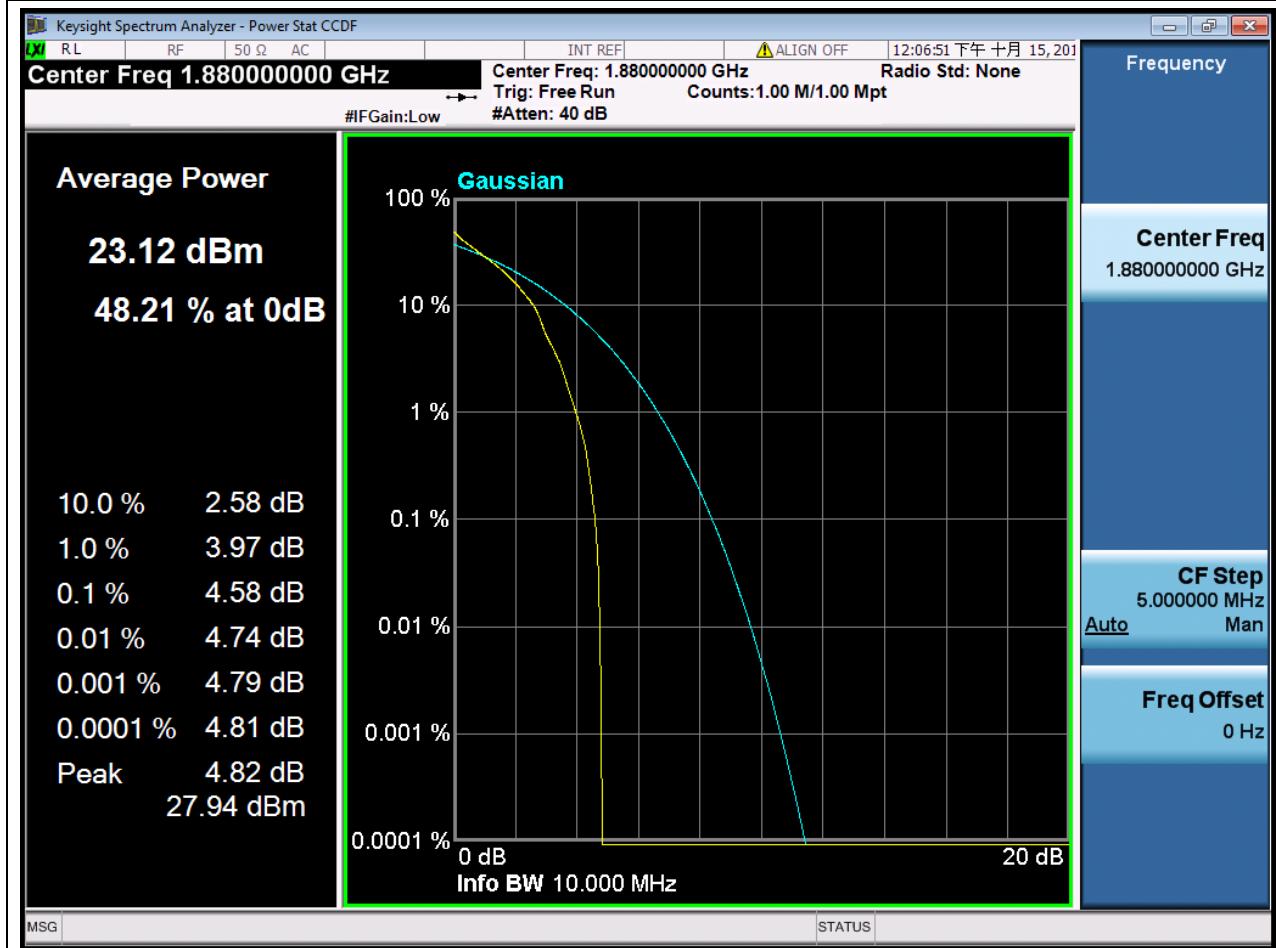
Info BW 10.000 MHz

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

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             | 4.58     | 13               | Pass    |



**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             | 5.51     | 13               | Pass    |

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 12:06:55 下午 十月 15, 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 22.18 dBm  
47.25 % at 0dB

10.0 % 2.34 dB  
1.0 % 4.42 dB  
0.1 % 5.51 dB  
0.01 % 6.16 dB  
0.001 % 6.39 dB  
0.0001 % 6.46 dB  
Peak 6.46 dB  
28.64 dBm

Gaussian



0.0001 % 0 dB 20 dB Info BW 10.000 MHz

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

MSG STATUS

**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             | 5.54     | 13               | Pass    |

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 12:06:59 下午 十月 15, 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  
**22.18 dBm**  
**47.23 % at 0dB**

10.0 % 2.34 dB  
1.0 % 4.42 dB  
0.1 % 5.54 dB  
0.01 % 6.11 dB  
0.001 % 6.37 dB  
0.0001 % 6.41 dB  
Peak 6.44 dB  
28.62 dBm

Gaussian



0.0001 % 0 dB 20 dB  
Info BW 10.000 MHz

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

MSG STATUS

**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             | 5.53     | 13               | Pass    |

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 12:07:03 下午 十月 15, 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 22.21 dBm  
47.23 % at 0dB

10.0 % 2.34 dB  
1.0 % 4.40 dB  
0.1 % 5.53 dB  
0.01 % 6.18 dB  
0.001 % 6.40 dB  
0.0001 % 6.49 dB  
Peak 6.49 dB  
28.70 dBm

Gaussian



0.0001 % 0 dB 20 dB Info BW 10.000 MHz

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

**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             | 5.63     | 13               | Pass    |

Keysight Spectrum Analyzer - Power Stat CCDF

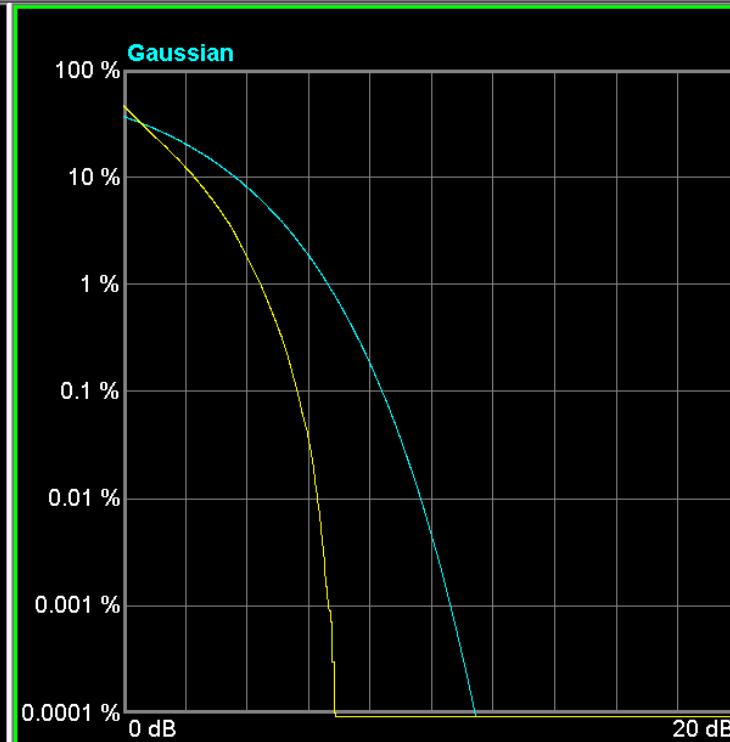
RL RF 50 Ω AC INT REF ALIGN OFF 12:07:07 下午 十月 15, 201

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 22.17 dBm  
46.58 % at 0dB

10.0 % 2.30 dB  
1.0 % 4.44 dB  
0.1 % 5.63 dB  
0.01 % 6.28 dB  
0.001 % 6.64 dB  
0.0001 % 6.85 dB  
Peak 6.88 dB  
29.05 dBm

Gaussian



0 dB 20 dB Info BW 10.000 MHz

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

**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             | 5.25     | 13               | Pass    |

Keysight Spectrum Analyzer - Power Stat CCDF

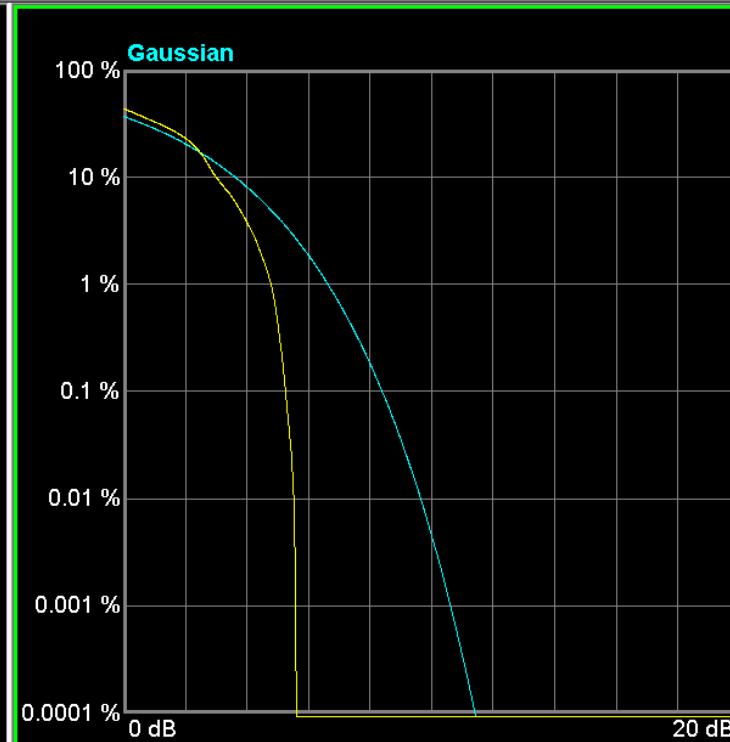
RL RF 50 Ω AC INT REF ALIGN OFF 12:07:12 下午 十月 15, 201

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 22.31 dBm  
43.59 % at 0dB

10.0 % 3.01 dB  
1.0 % 4.78 dB  
0.1 % 5.25 dB  
0.01 % 5.52 dB  
0.001 % 5.58 dB  
0.0001 % 5.60 dB  
Peak 5.60 dB  
27.91 dBm

Gaussian



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

0 dB 20 dB Info BW 10.000 MHz

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

MSG STATUS

**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             | 5.26     | 13               | Pass    |

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 12:07:17 下午 十月 15, 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  
**22.39 dBm**  
**43.95 % at 0dB**

10.0 % 3.03 dB  
1.0 % 4.77 dB  
0.1 % 5.26 dB  
0.01 % 5.50 dB  
0.001 % 5.59 dB  
0.0001 % 5.74 dB  
Peak 5.82 dB  
28.21 dBm

Gaussian



0 dB 20 dB  
Info BW 10.000 MHz

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

MSG STATUS

**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             | 5.26     | 13               | Pass    |

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 12:07:21 下午 十月 15, 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  
**22.34 dBm**  
**43.60 % at 0dB**

10.0 % 2.97 dB  
1.0 % 4.77 dB  
0.1 % 5.26 dB  
0.01 % 5.52 dB  
0.001 % 5.59 dB  
0.0001 % 5.60 dB  
Peak 5.62 dB  
27.96 dBm

Gaussian

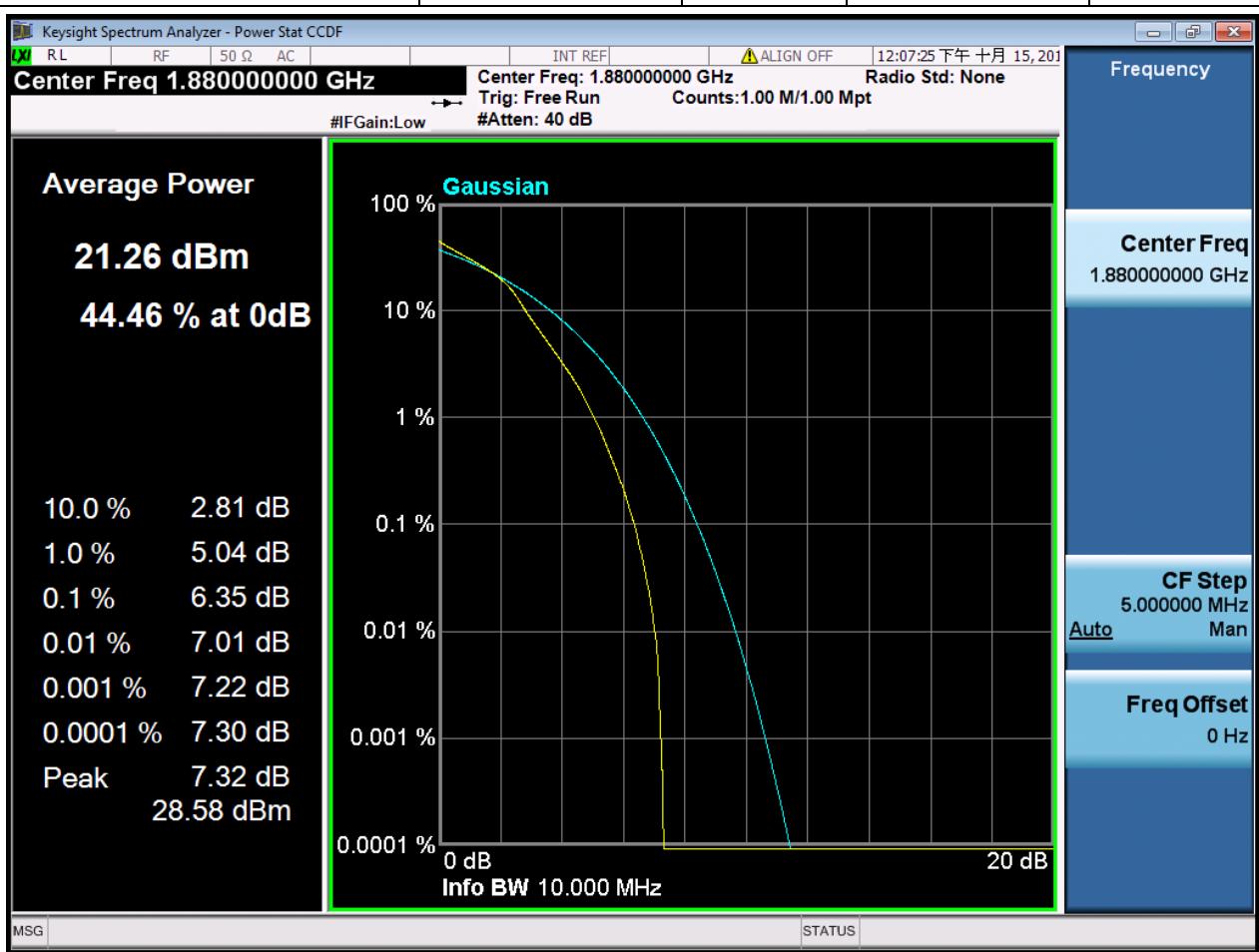


0.0001 % 0 dB 20 dB Info BW 10.000 MHz

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

**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             | 6.35     | 13               | Pass    |



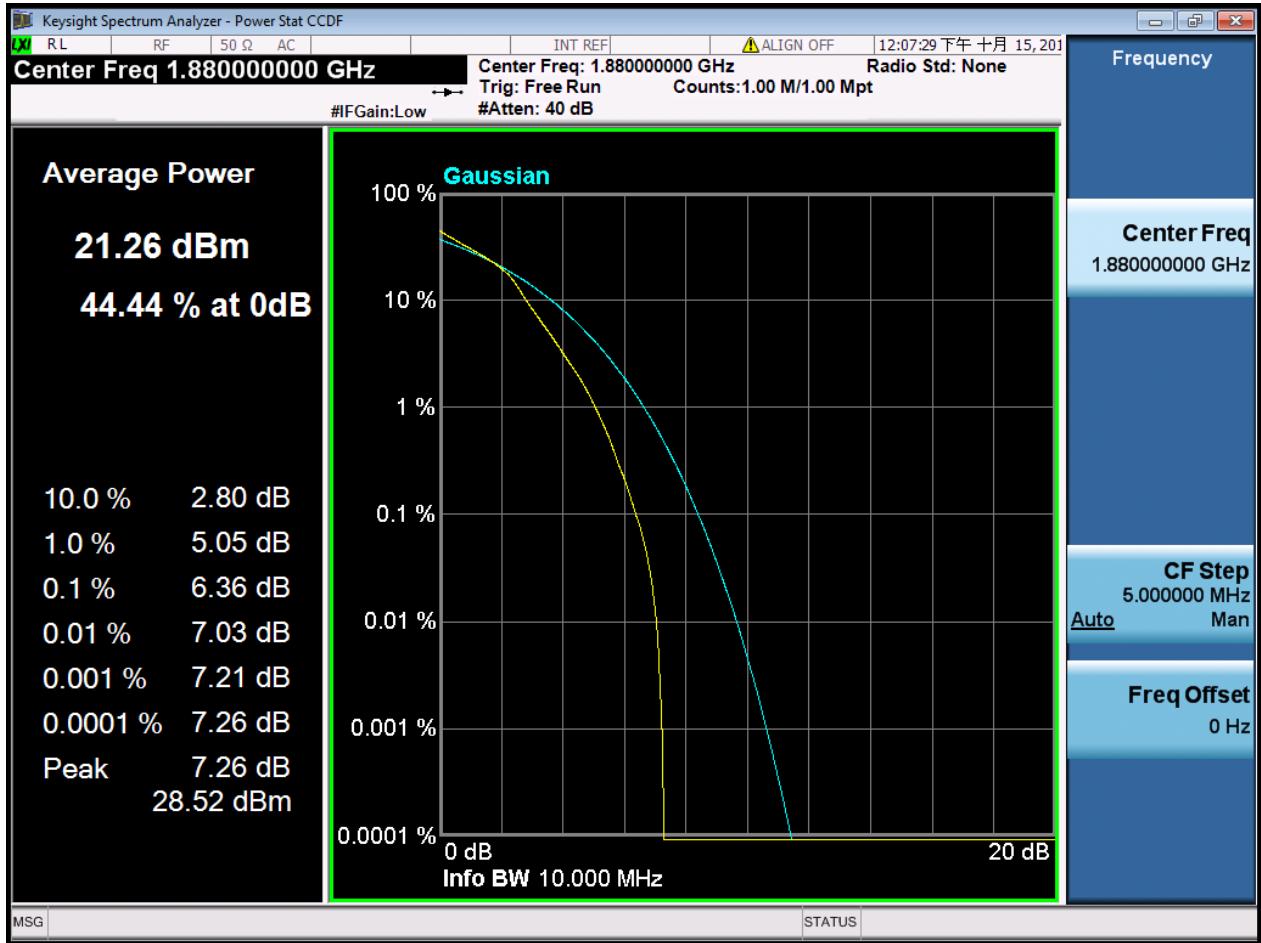
Average Power  
**21.26 dBm**  
**44.46 % at 0dB**

|          |           |
|----------|-----------|
| 10.0 %   | 2.81 dB   |
| 1.0 %    | 5.04 dB   |
| 0.1 %    | 6.35 dB   |
| 0.01 %   | 7.01 dB   |
| 0.001 %  | 7.22 dB   |
| 0.0001 % | 7.30 dB   |
| Peak     | 7.32 dB   |
|          | 28.58 dBm |

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

**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             | 6.36     | 13               | Pass    |



**Average Power**  
**21.26 dBm**  
**44.44 % at 0dB**

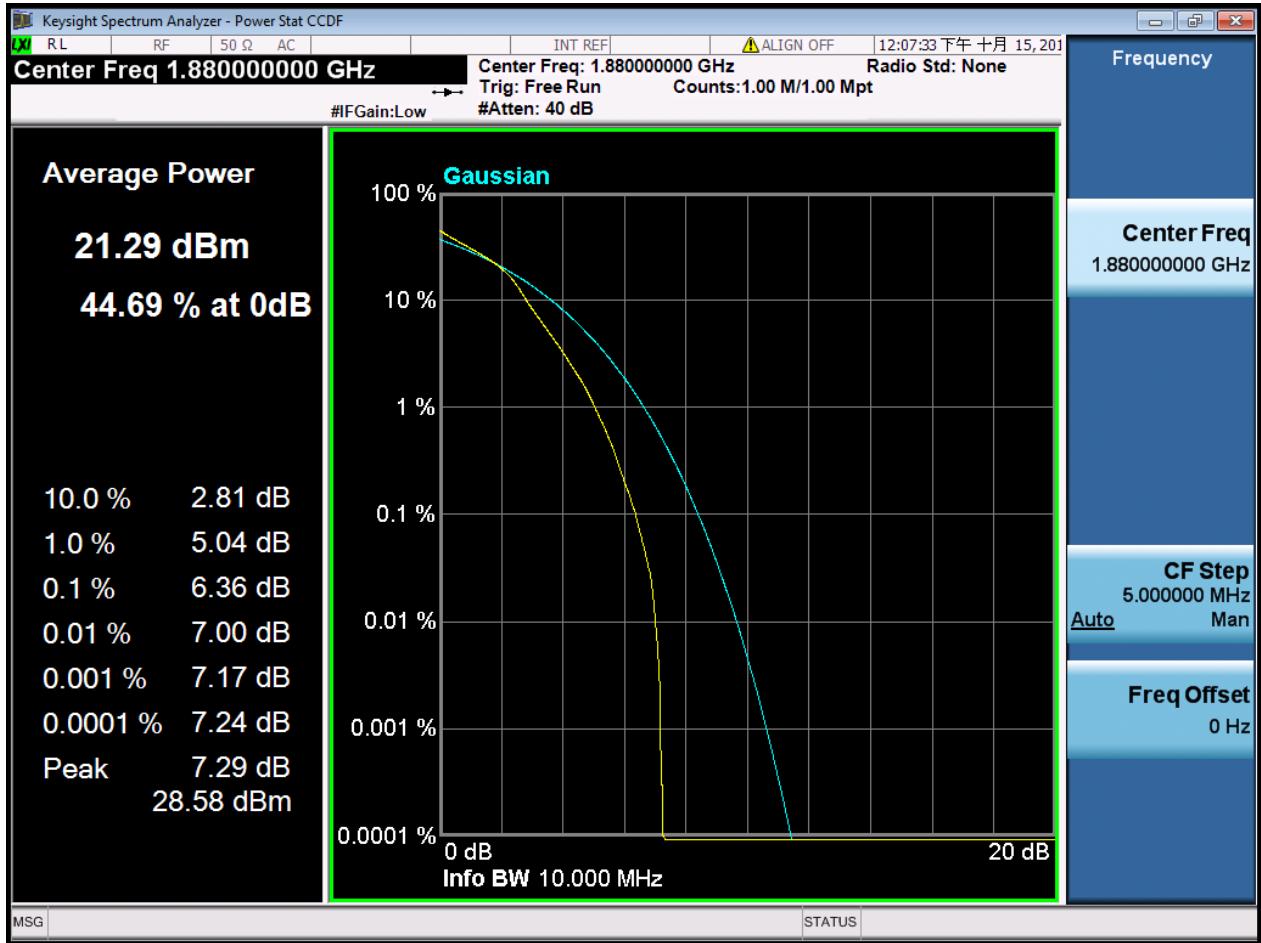
|          |           |
|----------|-----------|
| 10.0 %   | 2.80 dB   |
| 1.0 %    | 5.05 dB   |
| 0.1 %    | 6.36 dB   |
| 0.01 %   | 7.03 dB   |
| 0.001 %  | 7.21 dB   |
| 0.0001 % | 7.26 dB   |
| Peak     | 7.26 dB   |
|          | 28.52 dBm |

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

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

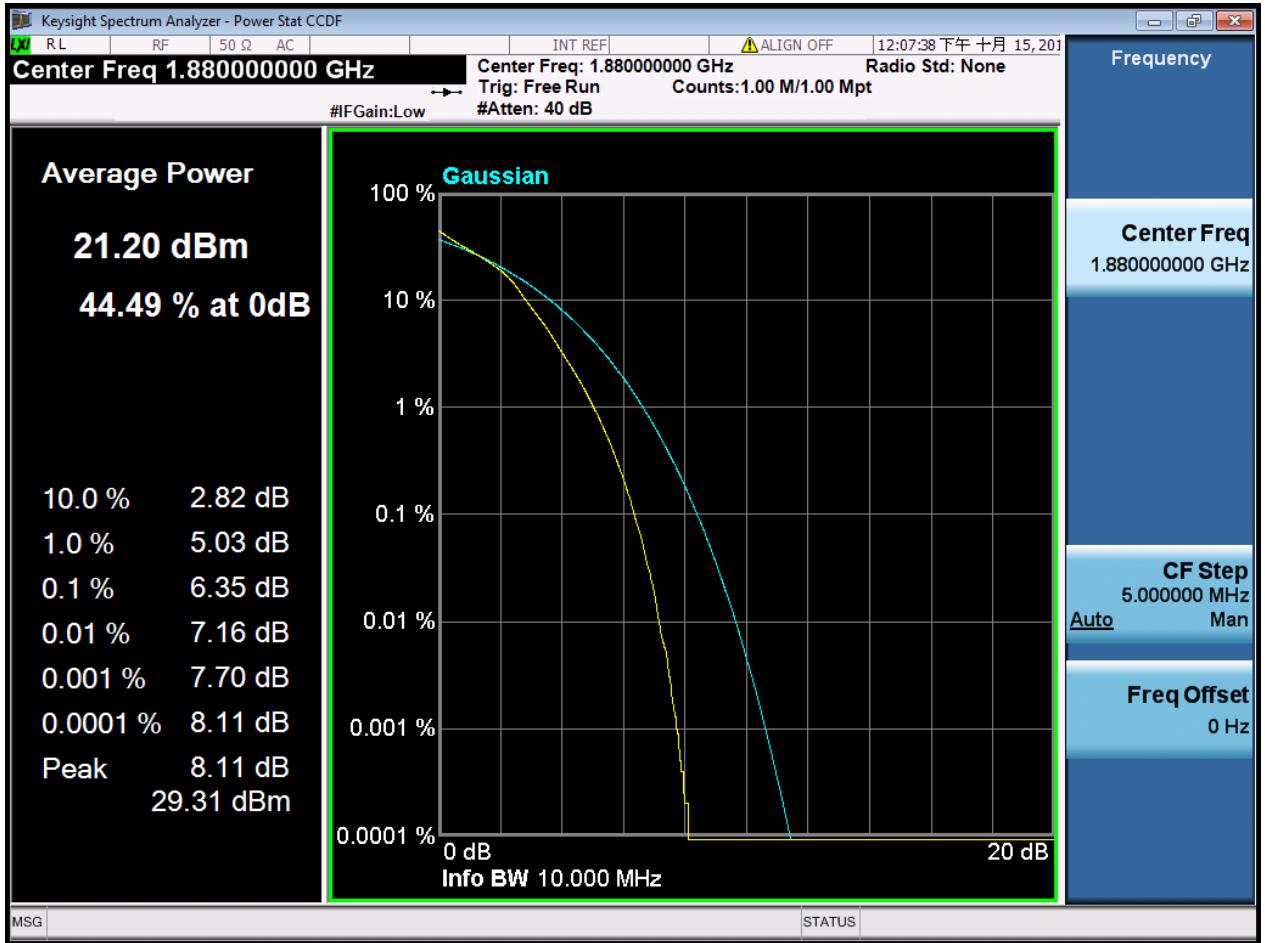
**1.55. LTE Peak to Average Ratio(NTNV)(Subtest:55, Channel:18900, Bandwidth:10, Modulation:Q16, RB Number: 25, RB Position:HIGH)**

| Center Frequency(MHz) | PAR Percent (%) | PAR (dB) | Upper Limit (dB) | Verdict |
|-----------------------|-----------------|----------|------------------|---------|
| 1880                  | 0.1             | 6.36     | 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             | 6.35     | 13               | Pass    |



**Average Power**  
**21.20 dBm**  
**44.49 % at 0dB**

|          |           |
|----------|-----------|
| 10.0 %   | 2.82 dB   |
| 1.0 %    | 5.03 dB   |
| 0.1 %    | 6.35 dB   |
| 0.01 %   | 7.16 dB   |
| 0.001 %  | 7.70 dB   |
| 0.0001 % | 8.11 dB   |
| Peak     | 8.11 dB   |
|          | 29.31 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

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

**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             | 4.35     | 13               | Pass    |

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 12:09:41 下午 十月 15, 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  
**23.18 dBm**  
**47.90 % at 0dB**

10.0 % 2.56 dB  
1.0 % 3.85 dB  
0.1 % 4.35 dB  
0.01 % 4.60 dB  
0.001 % 4.69 dB  
0.0001 % 4.72 dB  
Peak 4.72 dB  
27.90 dBm

Gaussian



0.0001 % 0 dB 20 dB  
Info BW 15.000 MHz

Frequency  
Center Freq 1.880000000 GHz  
CF Step 5.000000 MHz Man  
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             | 4.41     | 13               | Pass    |

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 12:09:45 下午 十月 15, 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 23.20 dBm  
47.55 % at 0dB

10.0 % 2.55 dB  
1.0 % 3.92 dB  
0.1 % 4.41 dB  
0.01 % 4.64 dB  
0.001 % 4.75 dB  
0.0001 % 4.79 dB  
Peak 4.87 dB  
28.07 dBm

Gaussian



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

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

MSG STATUS

**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             | 4.33     | 13               | Pass    |

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 12:09:49 下午 十月 15, 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 23.13 dBm  
48.47 % at 0dB

10.0 % 2.53 dB  
1.0 % 3.87 dB  
0.1 % 4.33 dB  
0.01 % 4.59 dB  
0.001 % 4.64 dB  
0.0001 % 4.65 dB  
Peak 4.69 dB  
27.82 dBm

Gaussian



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

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

MSG STATUS

**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             | 5.41     | 13               | Pass    |

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 12:09:53 下午 十月 15, 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 22.28 dBm  
45.90 % at 0dB

10.0 % 2.43 dB  
1.0 % 4.48 dB  
0.1 % 5.41 dB  
0.01 % 6.02 dB  
0.001 % 6.35 dB  
0.0001 % 6.45 dB  
Peak 6.46 dB  
28.74 dBm

Gaussian



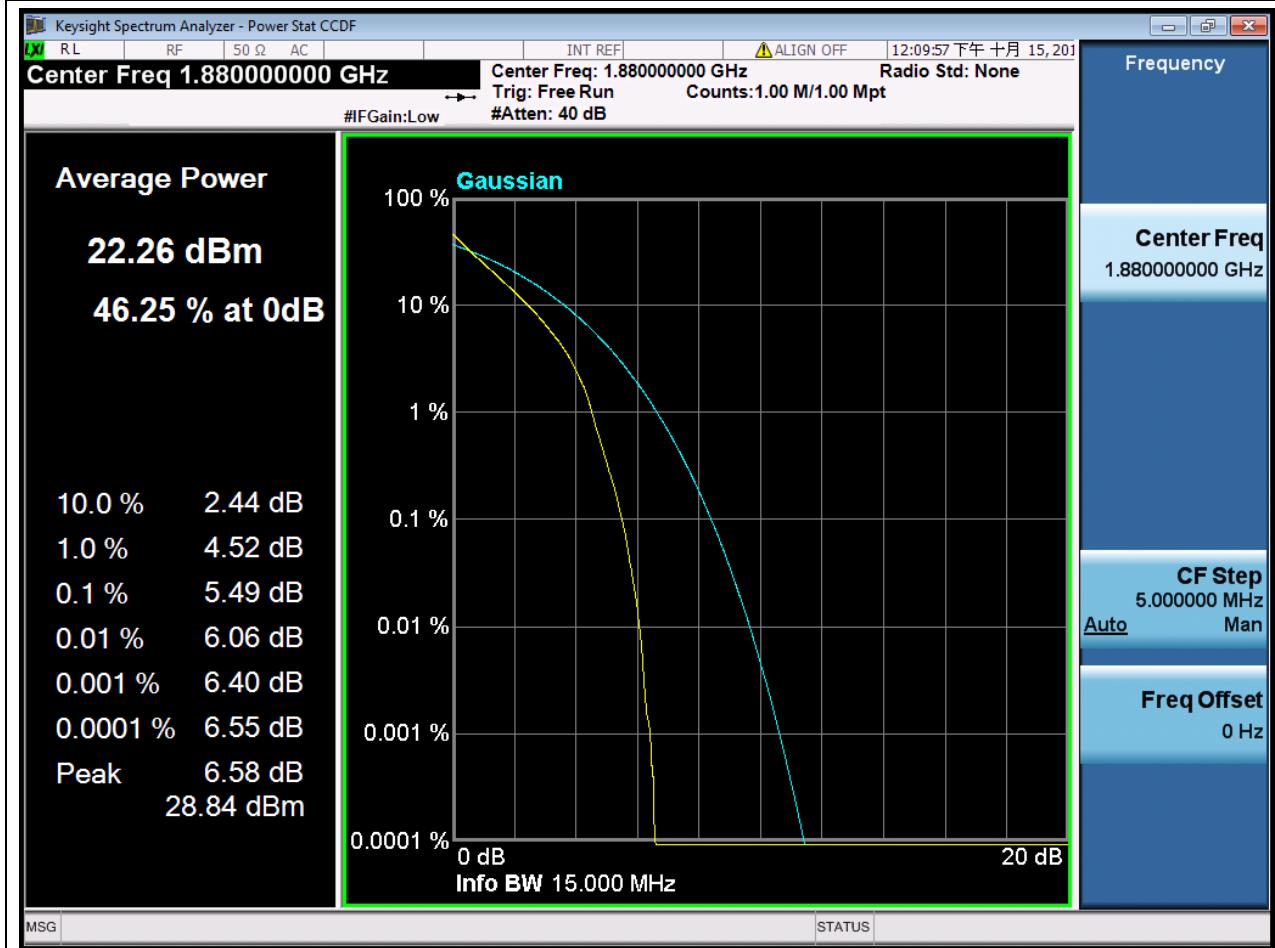
0.0001 % 0 dB 20 dB Info BW 15.000 MHz

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

MSG STATUS

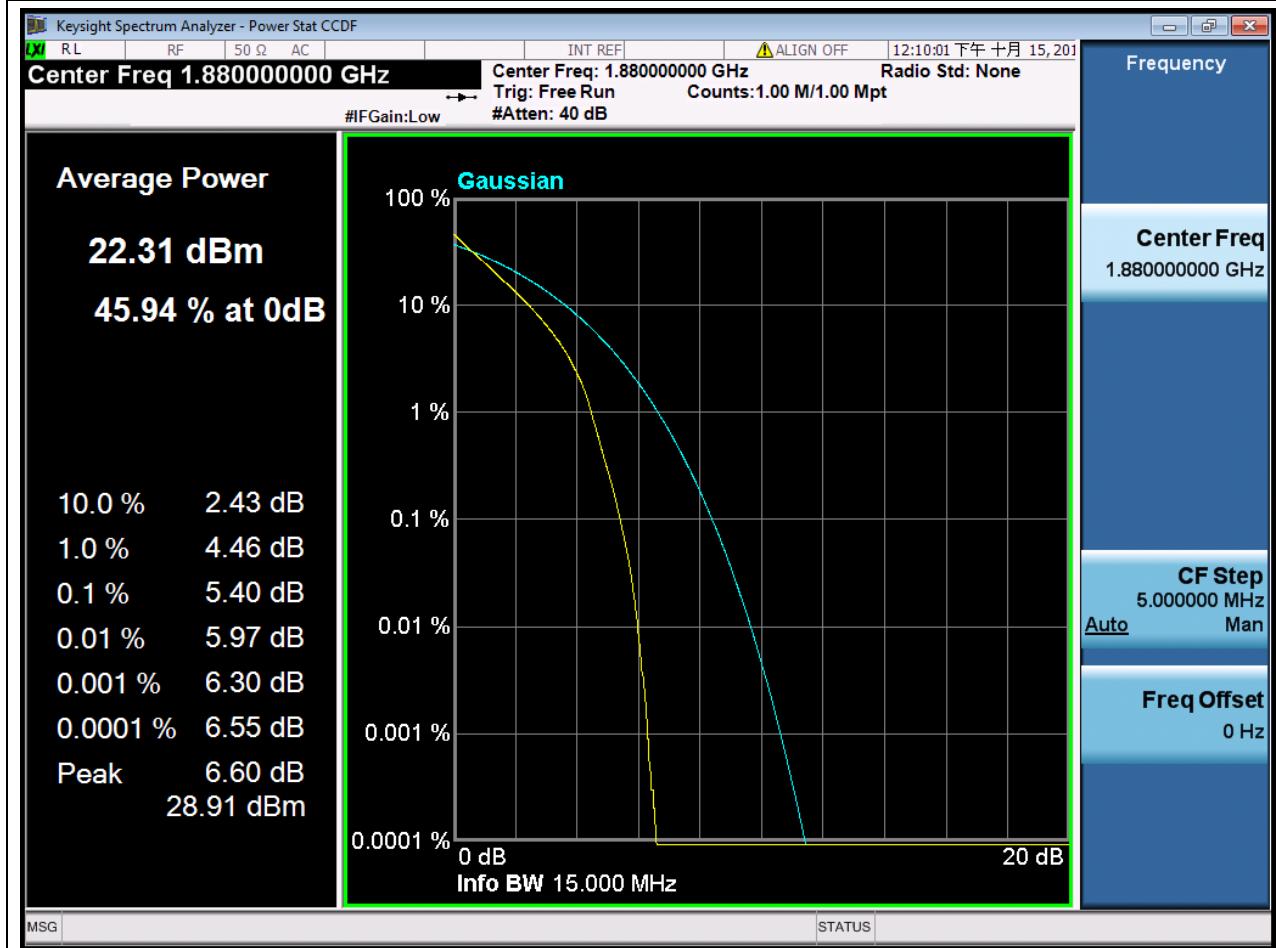
**1.61. LTE Peak to Average Ratio(NTNV)(Subtest:61, Channel:18900, Bandwidth:15, Modulation:QPSK, RB Number: 36, RB Position:MID)**

| Center Frequency(MHz) | PAR Percent (%) | PAR (dB) | Upper Limit (dB) | Verdict |
|-----------------------|-----------------|----------|------------------|---------|
| 1880                  | 0.1             | 5.49     | 13               | Pass    |



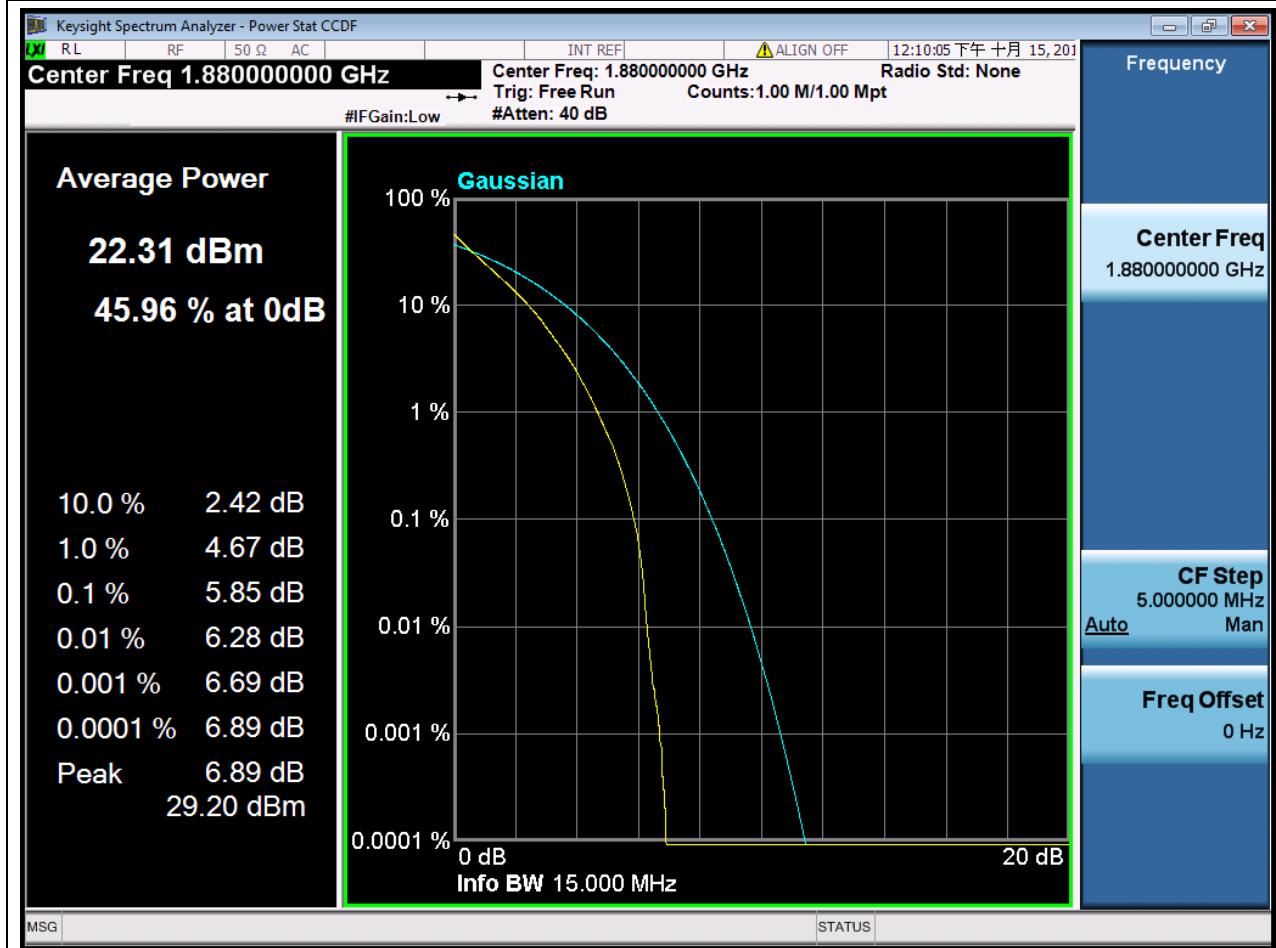
**1.62. LTE Peak to Average Ratio(NTNV)(Subtest:62, Channel:18900, Bandwidth:15, Modulation:QPSK, RB Number: 36, RB Position:HIGH)**

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



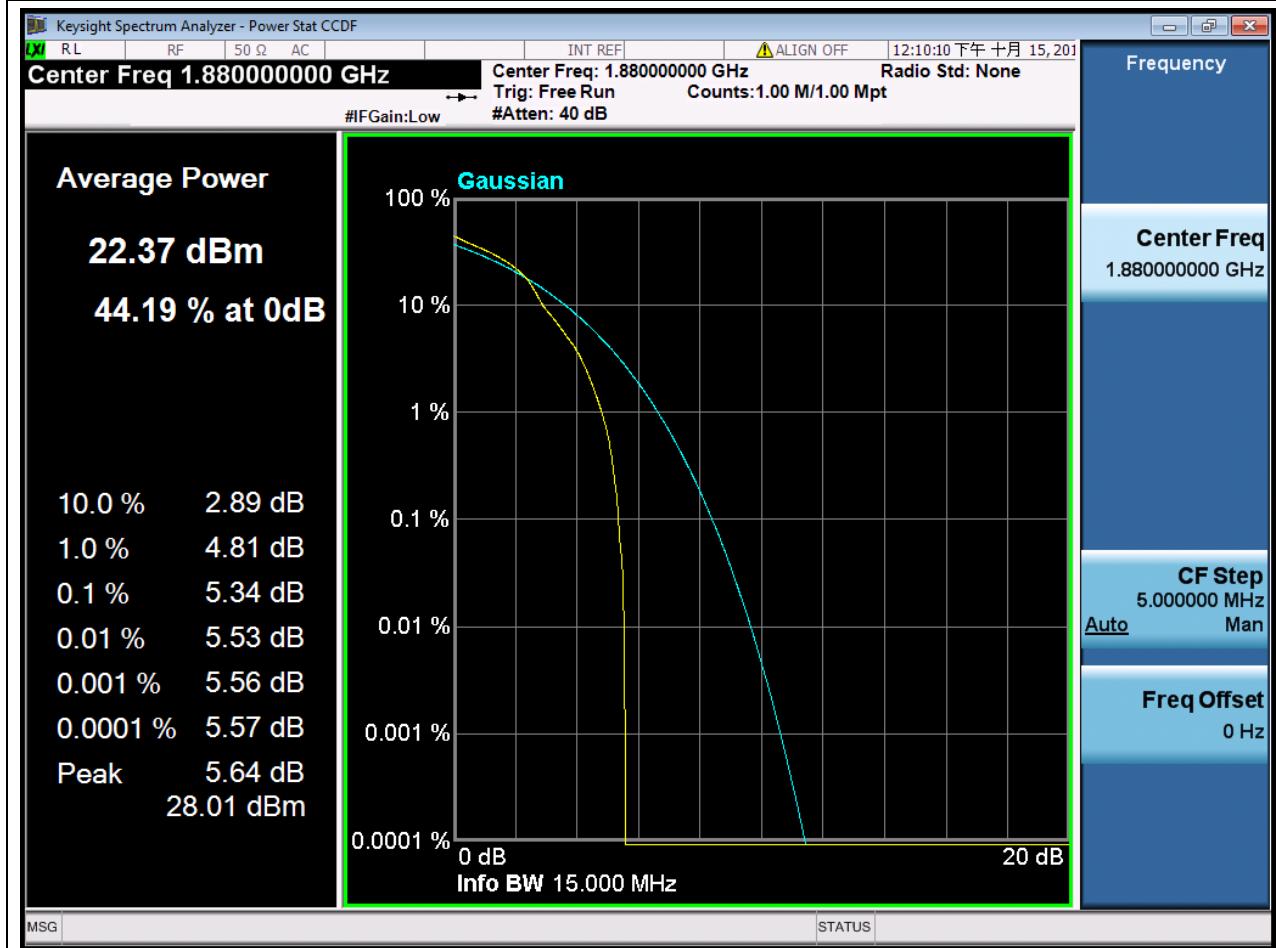
**1.63. LTE Peak to Average Ratio(NTNV)(Subtest:63, Channel:18900, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)**

| Center Frequency(MHz) | PAR Percent (%) | PAR (dB) | Upper Limit (dB) | Verdict |
|-----------------------|-----------------|----------|------------------|---------|
| 1880                  | 0.1             | 5.85     | 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             | 5.34     | 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             | 5.44     | 13               | Pass    |

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 12:10:14 下午 十月 15, 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  
**22.35 dBm**  
**44.02 % at 0dB**

10.0 % 2.92 dB  
1.0 % 4.87 dB  
0.1 % 5.44 dB  
0.01 % 5.64 dB  
0.001 % 6.06 dB  
0.0001 % 6.30 dB  
Peak 6.35 dB  
28.70 dBm

Gaussian



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

MSG STATUS

**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             | 5.32     | 13               | Pass    |

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 12:10:18 下午 十月 15, 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  
**22.29 dBm**  
**44.25 % at 0dB**

10.0 % 2.89 dB  
1.0 % 4.76 dB  
0.1 % 5.32 dB  
0.01 % 5.50 dB  
0.001 % 5.54 dB  
0.0001 % 5.55 dB  
Peak 5.57 dB  
27.86 dBm

Gaussian



Info BW 15.000 MHz

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

**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             | 6.29     | 13               | Pass    |

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 12:10:22 下午 十月 15, 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 21.30 dBm  
43.46 % at 0dB

10.0 % 2.97 dB  
1.0 % 4.99 dB  
0.1 % 6.29 dB  
0.01 % 6.99 dB  
0.001 % 7.27 dB  
0.0001 % 7.31 dB  
Peak 7.34 dB  
28.64 dBm

Gaussian



0.0001 % 0 dB 20 dB  
Info BW 15.000 MHz

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

MSG STATUS

**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             | 6.32     | 13               | Pass    |

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 12:10:26 下午 十月 15, 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 21.27 dBm  
43.34 % at 0dB

10.0 % 2.96 dB  
1.0 % 5.01 dB  
0.1 % 6.32 dB  
0.01 % 7.00 dB  
0.001 % 7.21 dB  
0.0001 % 7.25 dB  
Peak 7.27 dB  
28.54 dBm

Gaussian



0.0001 % 0 dB 20 dB Info BW 15.000 MHz

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

**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             | 6.31     | 13               | Pass    |

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 12:10:30 下午 十月 15, 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 21.30 dBm  
43.57 % at 0dB

10.0 % 2.97 dB  
1.0 % 4.98 dB  
0.1 % 6.31 dB  
0.01 % 7.04 dB  
0.001 % 7.33 dB  
0.0001 % 7.38 dB  
Peak 7.38 dB  
28.68 dBm

Gaussian

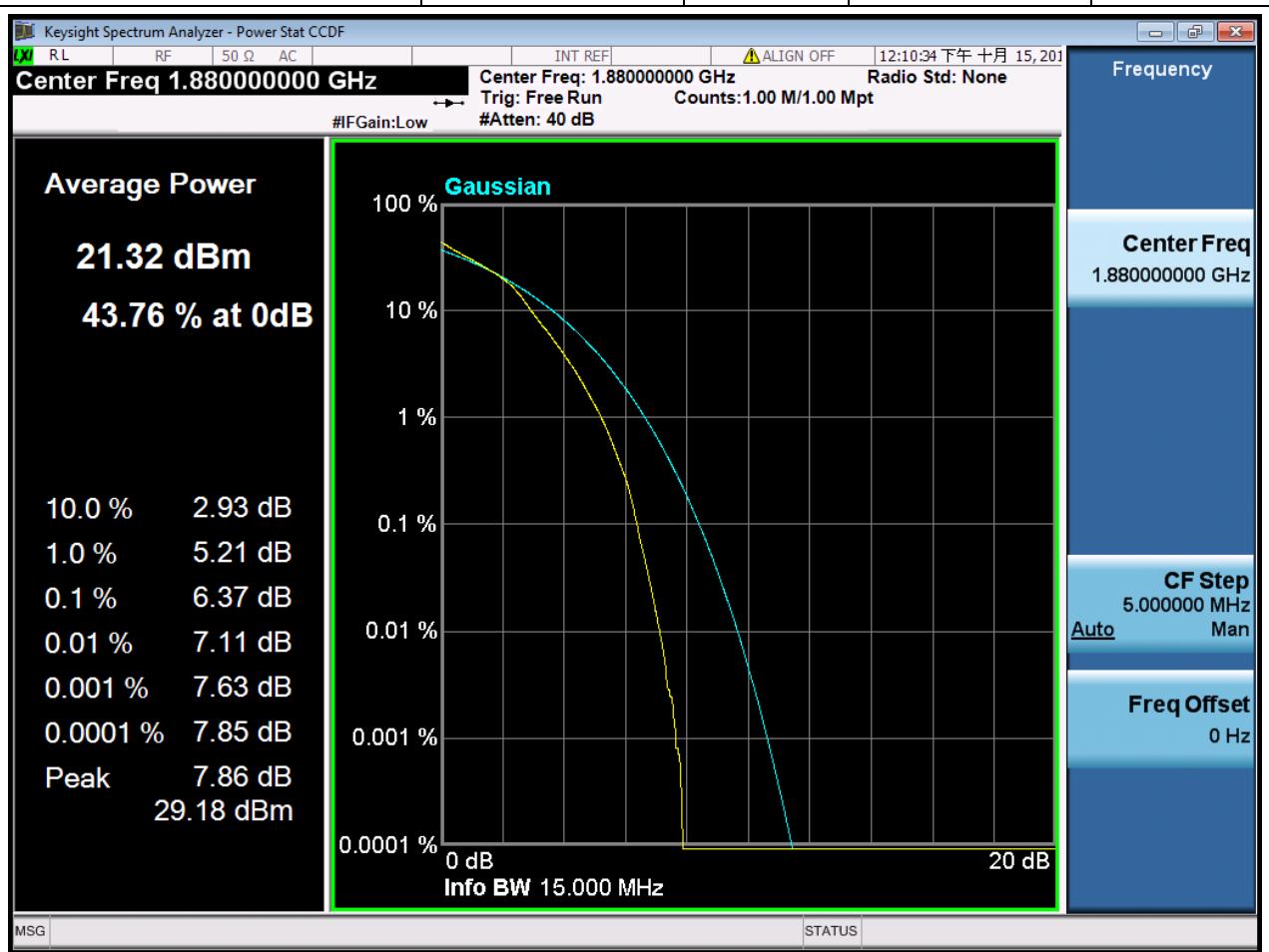


0.0001 % 0 dB 20 dB Info BW 15.000 MHz

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

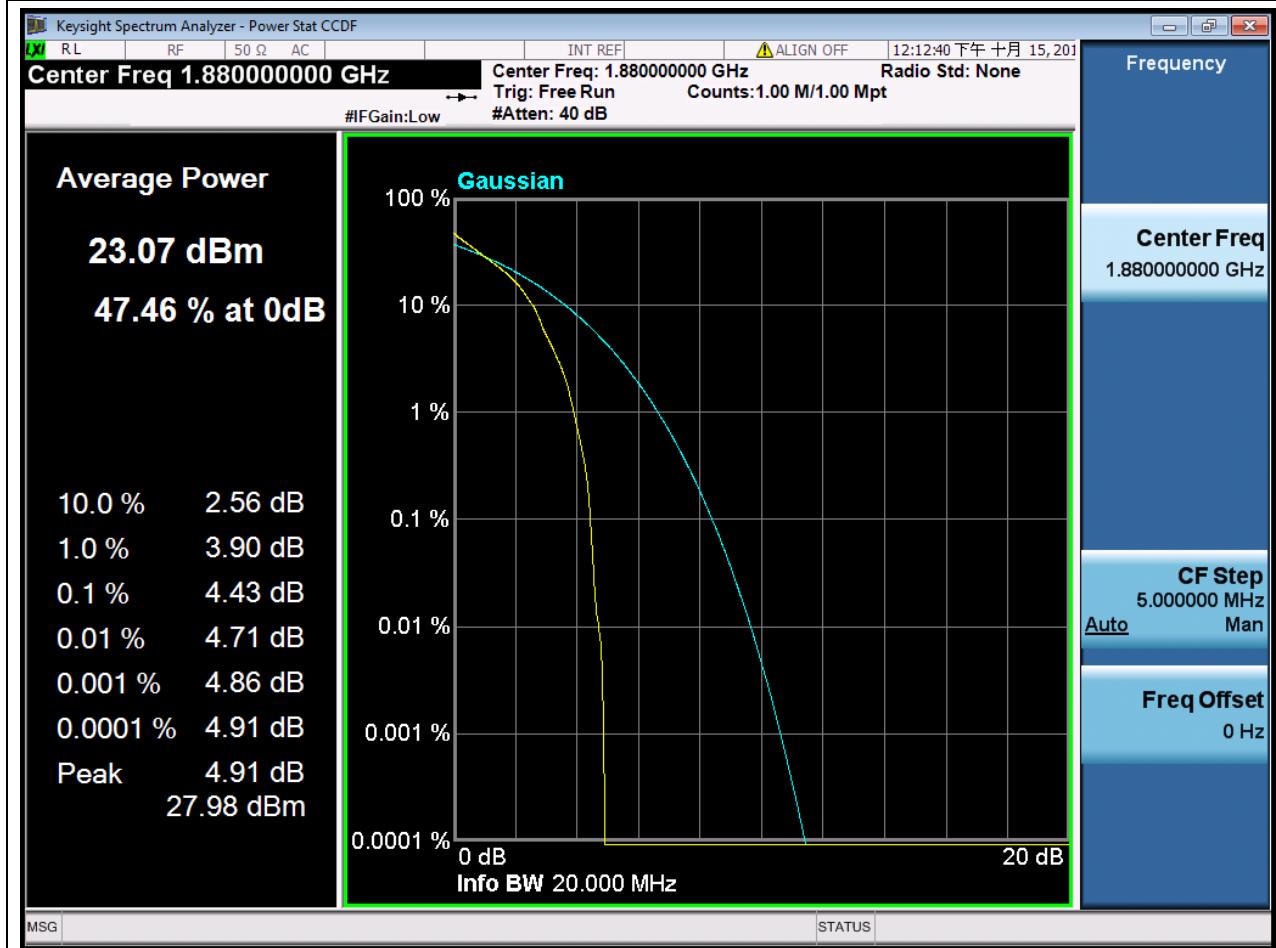
**1.70. LTE Peak to Average Ratio(NTNV)(Subtest:70, Channel:18900, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)**

| Center Frequency(MHz) | PAR Percent (%) | PAR (dB) | Upper Limit (dB) | Verdict |
|-----------------------|-----------------|----------|------------------|---------|
| 1880                  | 0.1             | 6.37     | 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             | 4.43     | 13               | Pass    |



**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             | 4.42     | 13               | Pass    |

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 12:12:45 下午 十月 15, 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 23.31 dBm  
47.68 % at 0dB

10.0 % 2.56 dB  
1.0 % 3.89 dB  
0.1 % 4.42 dB  
0.01 % 4.74 dB  
0.001 % 4.82 dB  
0.0001 % 4.86 dB  
Peak 4.88 dB  
28.19 dBm

Gaussian



0.0001 % 0 dB 20 dB 100 %

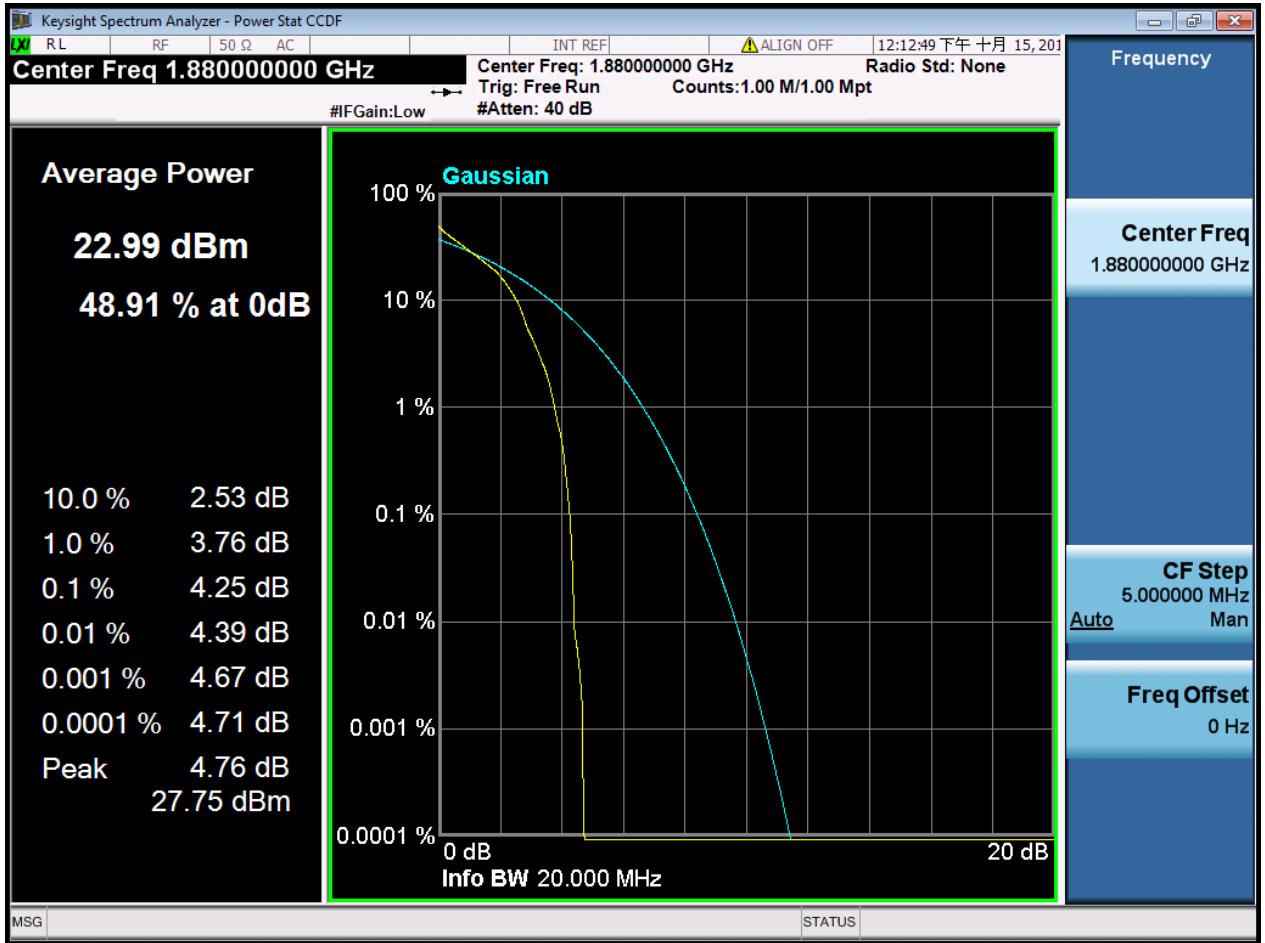
Info BW 20.000 MHz

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

MSG STATUS

**1.73. 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             | 4.25     | 13               | Pass    |



**Average Power**  
**22.99 dBm**  
**48.91 % at 0dB**

|          |           |
|----------|-----------|
| 10.0 %   | 2.53 dB   |
| 1.0 %    | 3.76 dB   |
| 0.1 %    | 4.25 dB   |
| 0.01 %   | 4.39 dB   |
| 0.001 %  | 4.67 dB   |
| 0.0001 % | 4.71 dB   |
| Peak     | 4.76 dB   |
|          | 27.75 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

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

**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             | 5.45     | 13               | Pass    |

Keysight Spectrum Analyzer - Power Stat CCDF

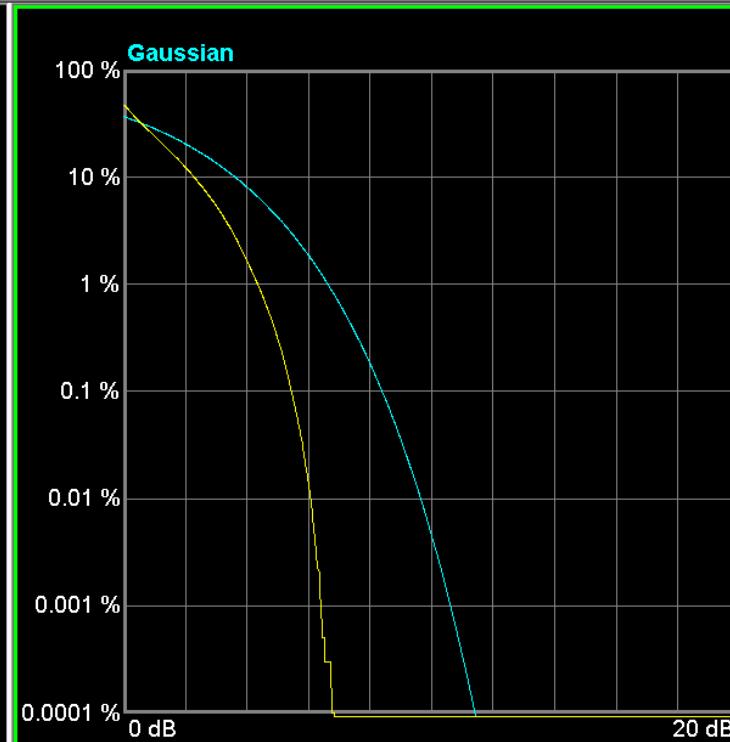
RL RF 50 Ω AC INT REF ALIGN OFF 12:12:53 下午 十月 15, 201

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 22.26 dBm  
47.34 % at 0dB

10.0 % 2.29 dB  
1.0 % 4.35 dB  
0.1 % 5.45 dB  
0.01 % 6.07 dB  
0.001 % 6.41 dB  
0.0001 % 6.75 dB  
Peak 6.82 dB  
29.08 dBm

Gaussian



0.0001 % 0 dB 20 dB 20.000 MHz

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

**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             | 5.47     | 13               | Pass    |

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 12:12:57 下午 十月 15, 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 22.24 dBm  
46.92 % at 0dB

10.0 % 2.29 dB  
1.0 % 4.39 dB  
0.1 % 5.47 dB  
0.01 % 6.09 dB  
0.001 % 6.40 dB  
0.0001 % 6.65 dB  
Peak 6.82 dB  
29.06 dBm

Gaussian

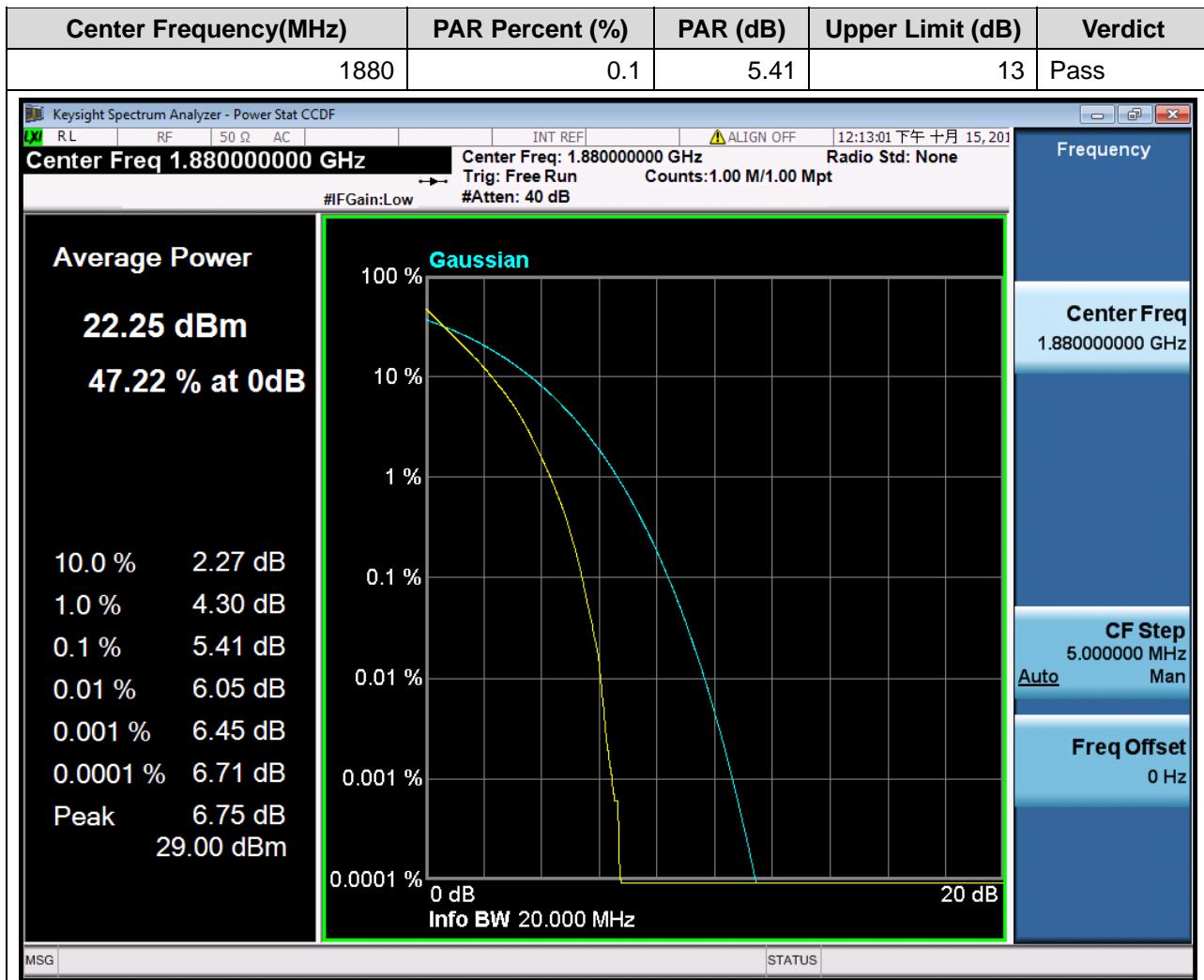


0 dB 20 dB  
Info BW 20.000 MHz

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

MSG STATUS

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



**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             | 5.6      | 13               | Pass    |

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 12:13:05 下午 十月 15, 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 22.27 dBm  
46.79 % at 0dB

10.0 % 2.30 dB  
1.0 % 4.41 dB  
0.1 % 5.60 dB  
0.01 % 6.28 dB  
0.001 % 6.70 dB  
0.0001 % 6.97 dB  
Peak 7.06 dB  
29.33 dBm

Gaussian



0.0001 % 0 dB 20 dB 20.000 MHz

Frequency  
Center Freq 1.880000000 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: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             | 5.2      | 13               | Pass    |

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 12:13:10 下午 十月 15, 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 22.42 dBm  
44.33 % at 0dB

10.0 % 2.82 dB  
1.0 % 4.65 dB  
0.1 % 5.20 dB  
0.01 % 5.50 dB  
0.001 % 5.58 dB  
0.0001 % 5.60 dB  
Peak 5.65 dB  
28.07 dBm

Gaussian



Info BW 20.000 MHz

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

**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             | 5.32     | 13               | Pass    |

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 12:13:14 下午 十月 15, 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  
**22.56 dBm**  
**44.22 % at 0dB**

10.0 % 2.84 dB  
1.0 % 4.63 dB  
0.1 % 5.32 dB  
0.01 % 5.53 dB  
0.001 % 5.58 dB  
0.0001 % 5.82 dB  
Peak 5.83 dB  
28.39 dBm

Gaussian



0.0001 % 0 dB 20 dB  
Info BW 20.000 MHz

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

MSG STATUS

**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             | 5.09     | 13               | Pass    |

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 12:13:19 下午 十月 15, 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  
**22.26 dBm**  
**44.76 % at 0dB**

10.0 % 2.79 dB  
1.0 % 4.51 dB  
0.1 % 5.09 dB  
0.01 % 5.36 dB  
0.001 % 5.45 dB  
0.0001 % 5.49 dB  
Peak 5.50 dB  
27.76 dBm

Gaussian



0.0001 % 0 dB 20 dB Info BW 20.000 MHz

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

**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             | 6.24     | 13               | Pass    |

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 12:13:23 下午 十月 15, 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 21.32 dBm  
44.45 % at 0dB

10.0 % 2.82 dB  
1.0 % 4.97 dB  
0.1 % 6.24 dB  
0.01 % 6.86 dB  
0.001 % 7.13 dB  
0.0001 % 7.41 dB  
Peak 7.42 dB  
28.74 dBm

Gaussian



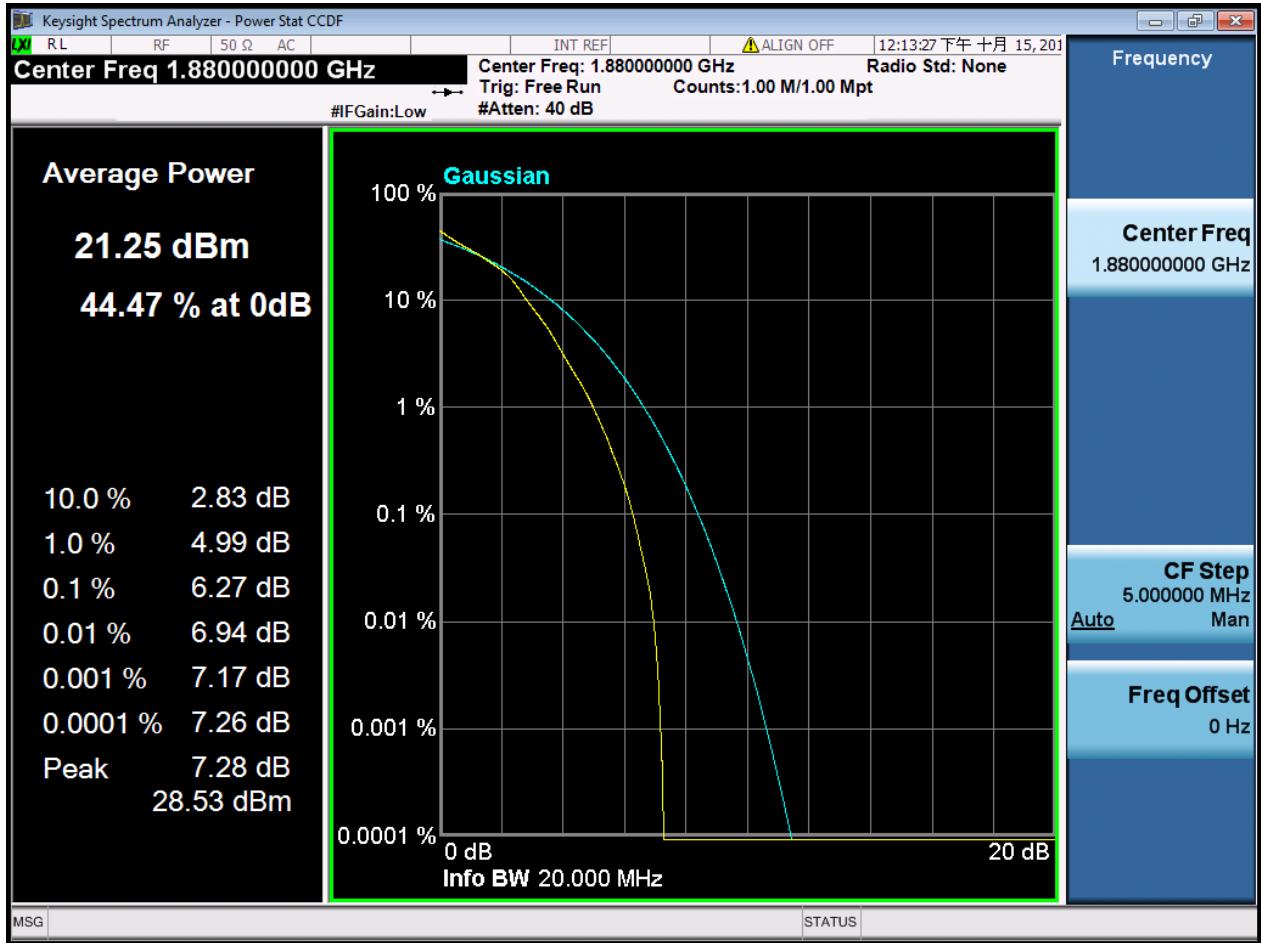
0.0001 % 0 dB 20 dB 20.000 MHz

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

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             | 6.27     | 13               | Pass    |

**Average Power**  
**21.25 dBm**  
**44.47 % at 0dB**

|          |           |
|----------|-----------|
| 10.0 %   | 2.83 dB   |
| 1.0 %    | 4.99 dB   |
| 0.1 %    | 6.27 dB   |
| 0.01 %   | 6.94 dB   |
| 0.001 %  | 7.17 dB   |
| 0.0001 % | 7.26 dB   |
| Peak     | 7.28 dB   |
|          | 28.53 dBm |

**Center Freq 1.880000000 GHz**  
**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**  
**Man**

**Freq Offset**  
**0 Hz**

**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             | 6.18     | 13               | Pass    |

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 12:13:31 下午 十月 15, 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 21.33 dBm  
44.37 % at 0dB

10.0 % 2.81 dB  
1.0 % 4.92 dB  
0.1 % 6.18 dB  
0.01 % 6.78 dB  
0.001 % 7.11 dB  
0.0001 % 7.36 dB  
Peak 7.39 dB  
28.72 dBm

Gaussian



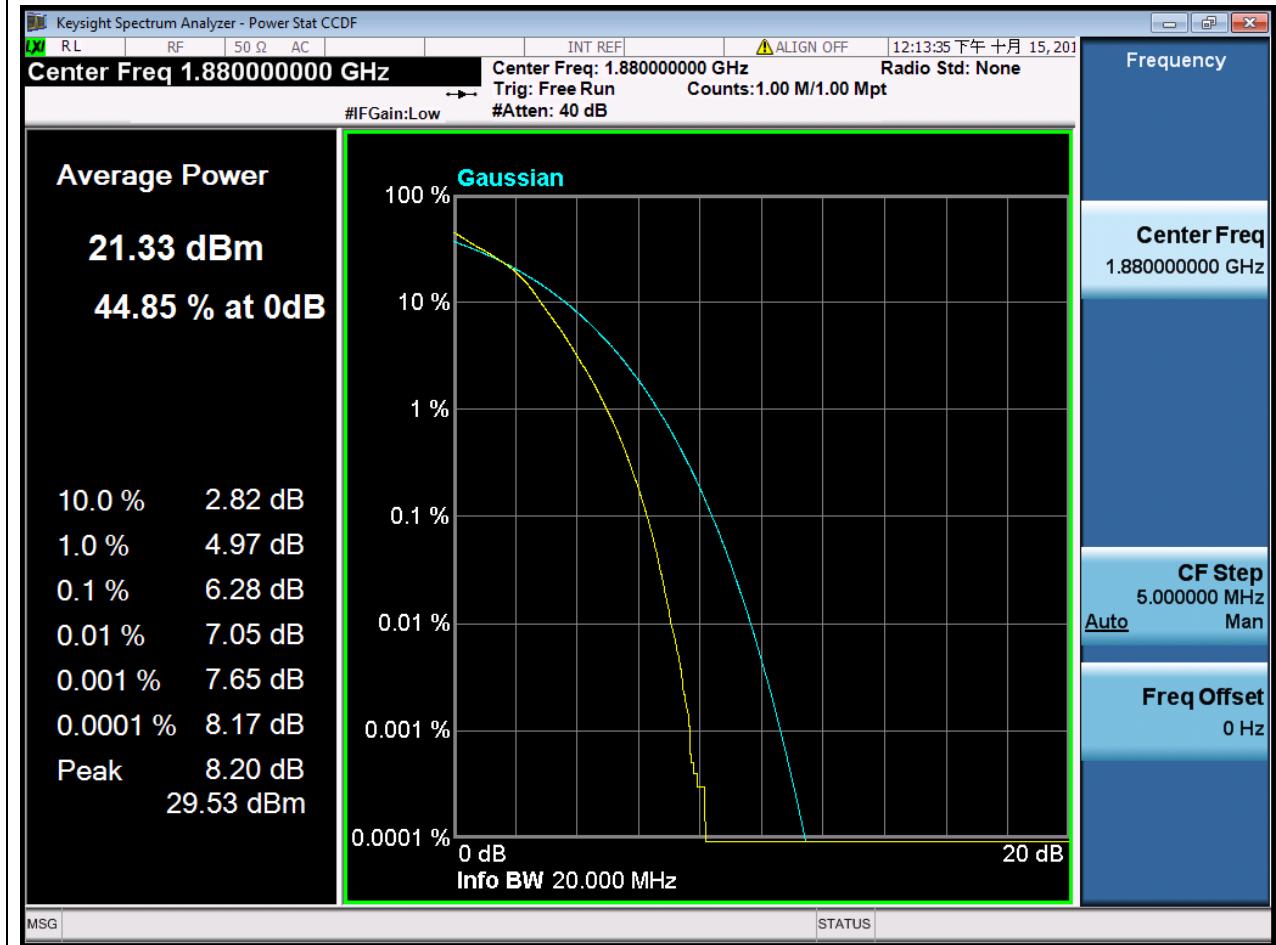
0.0001 % 0 dB 20 dB 20.000 MHz

Frequency  
Center Freq 1.880000000 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: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             | 6.28     | 13               | Pass    |



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END