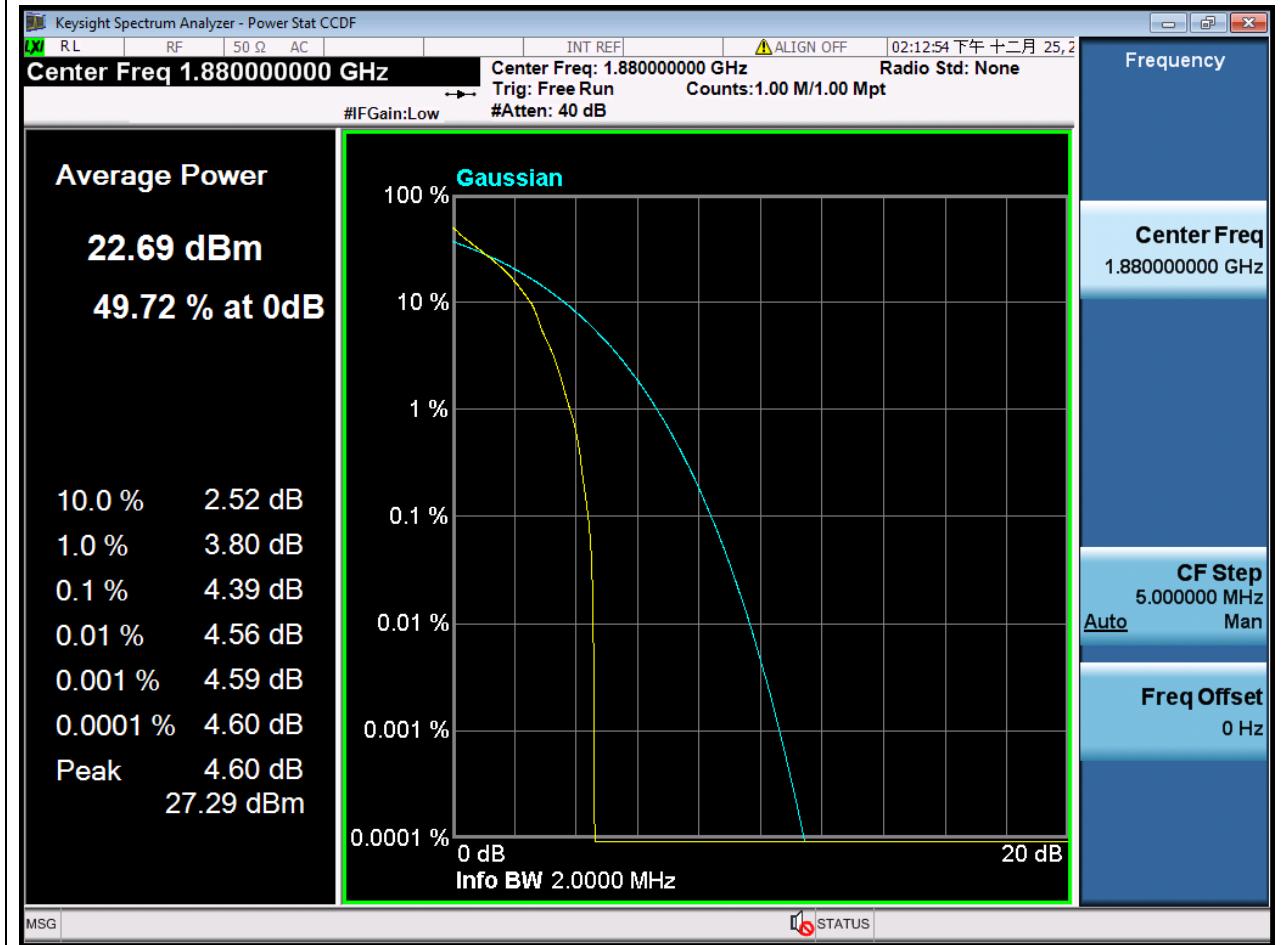


Annex B. LTE Peak to Average Ratio

1. LTE_Band2

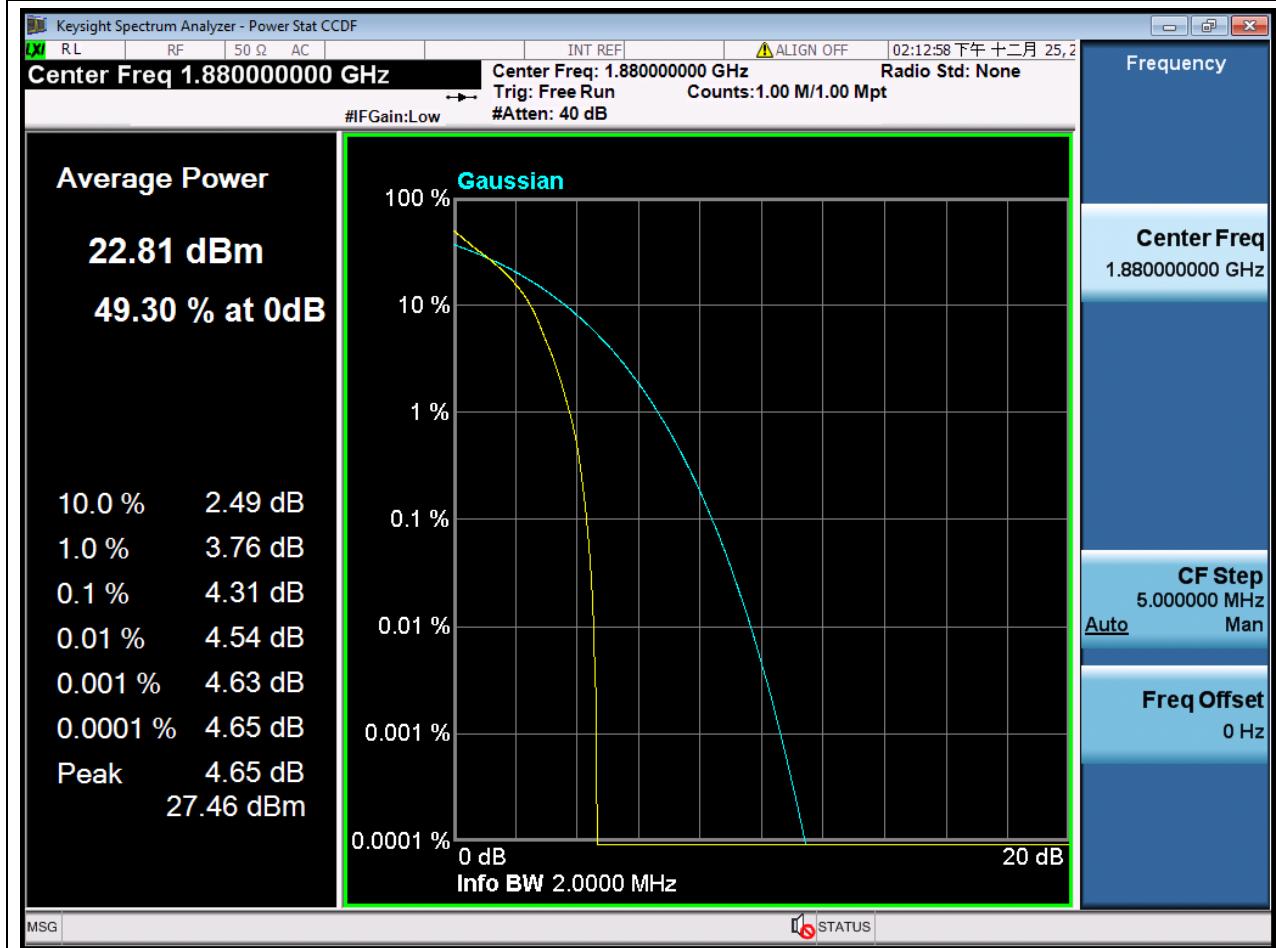
1.1. LTE Peak to Average Ratio(NTNV)(Subtest:1, Channel:18900, Bandwidth:1.4, Modulation:QPSK, RB Number: 1, RB Position:LOW)

| Center Frequency(MHz) | PAR Percent (%) | PAR (dB) | Upper Limit (dB) | Verdict |
|-----------------------|-----------------|----------|------------------|---------|
| 1880 | 0.1 | 4.39 | 13 | Pass |



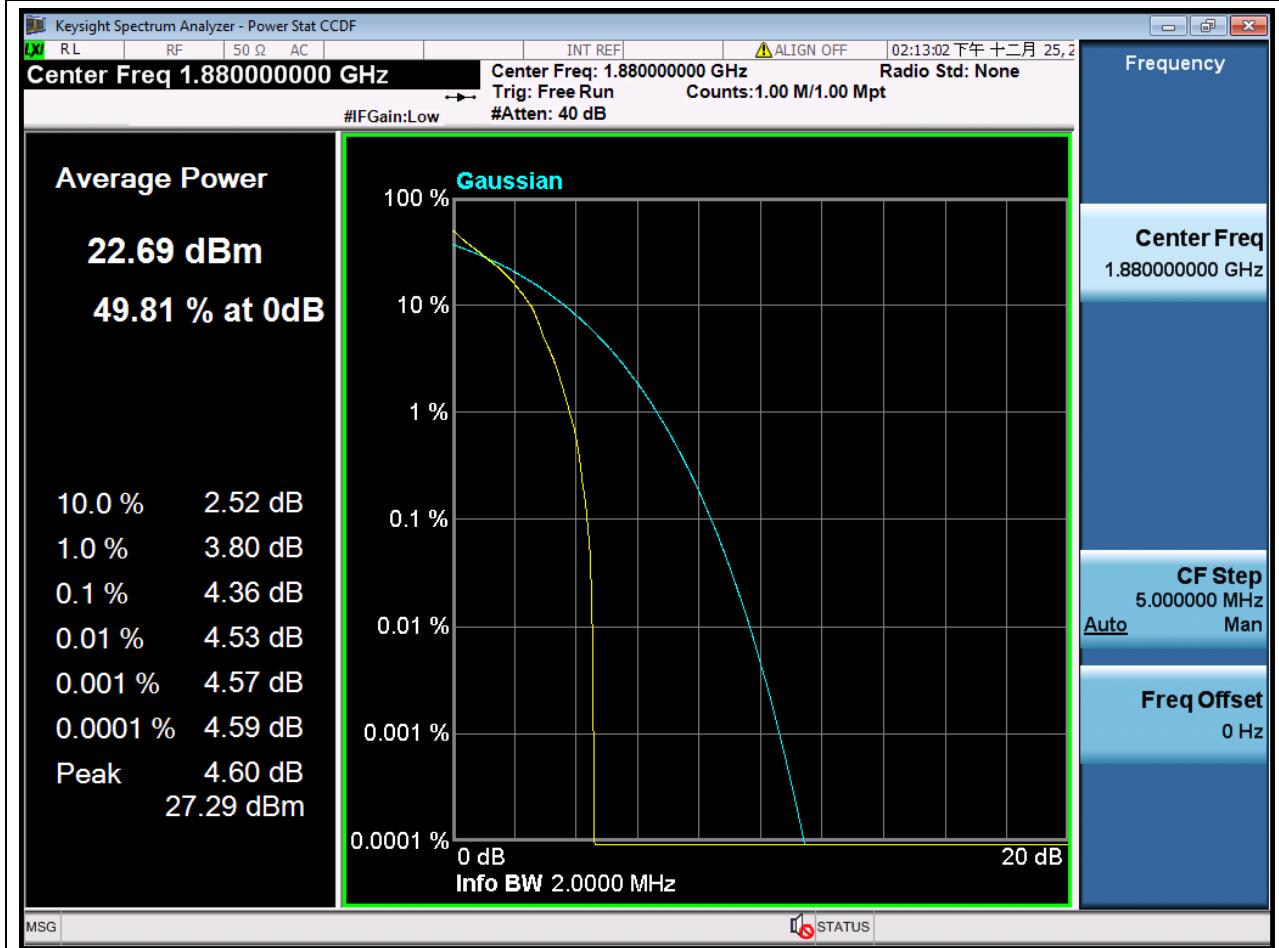
1.2. LTE Peak to Average Ratio(NTNV)(Subtest:2, Channel:18900, Bandwidth:1.4, Modulation:QPSK, RB Number: 1, RB Position:MID)

| Center Frequency(MHz) | PAR Percent (%) | PAR (dB) | Upper Limit (dB) | Verdict |
|-----------------------|-----------------|----------|------------------|---------|
| 1880 | 0.1 | 4.31 | 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 | 4.36 | 13 | Pass |



1.4. LTE Peak to Average Ratio(NTVV)(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 | 4.57 | 13 | Pass |

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 02:13:06 下午 十二月 25, 2018

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
22.77 dBm
48.22 % at 0dB

10.0 % 2.34 dB
1.0 % 3.95 dB
0.1 % 4.57 dB
0.01 % 4.84 dB
0.001 % 4.93 dB
0.0001 % 4.95 dB
Peak 4.95 dB
27.72 dBm

Gaussian



Info BW 2.0000 MHz

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

MSG STATUS

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 | 4.51 | 13 | Pass |

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 02:13:11 下午 十二月 25, 2018

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
22.79 dBm
48.57 % at 0dB

10.0 % 2.34 dB
1.0 % 3.91 dB
0.1 % 4.51 dB
0.01 % 4.76 dB
0.001 % 4.86 dB
0.0001 % 4.87 dB
Peak 4.87 dB
27.66 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
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 | 4.54 | 13 | Pass |

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 02:13:15 下午 十二月 25, 2018

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
22.78 dBm
48.06 % at 0dB

10.0 % 2.33 dB
1.0 % 3.93 dB
0.1 % 4.54 dB
0.01 % 4.81 dB
0.001 % 4.92 dB
0.0001 % 4.94 dB
Peak 4.95 dB
27.73 dBm

Gaussian



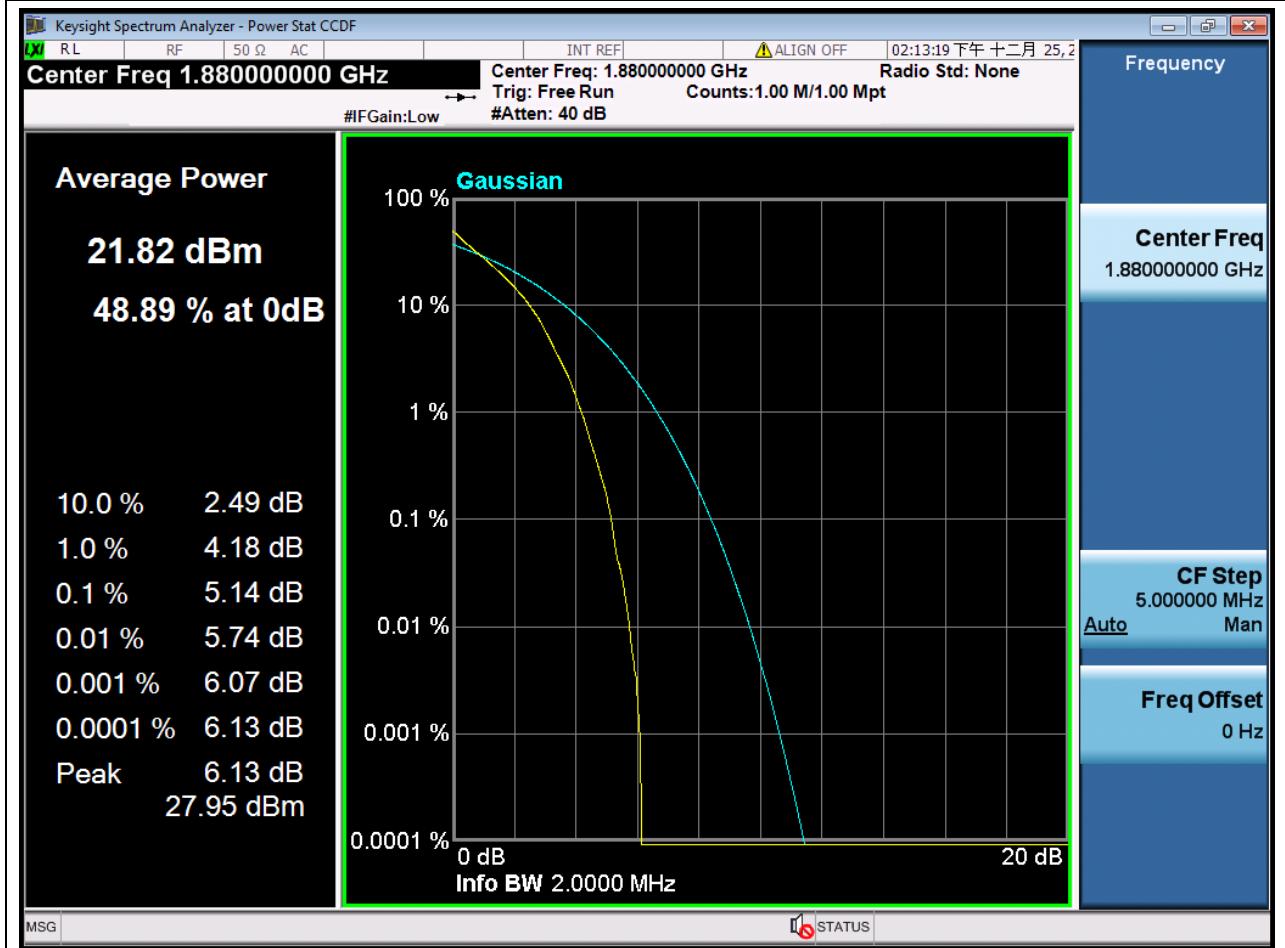
Info BW 2.0000 MHz

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

MSG STATUS

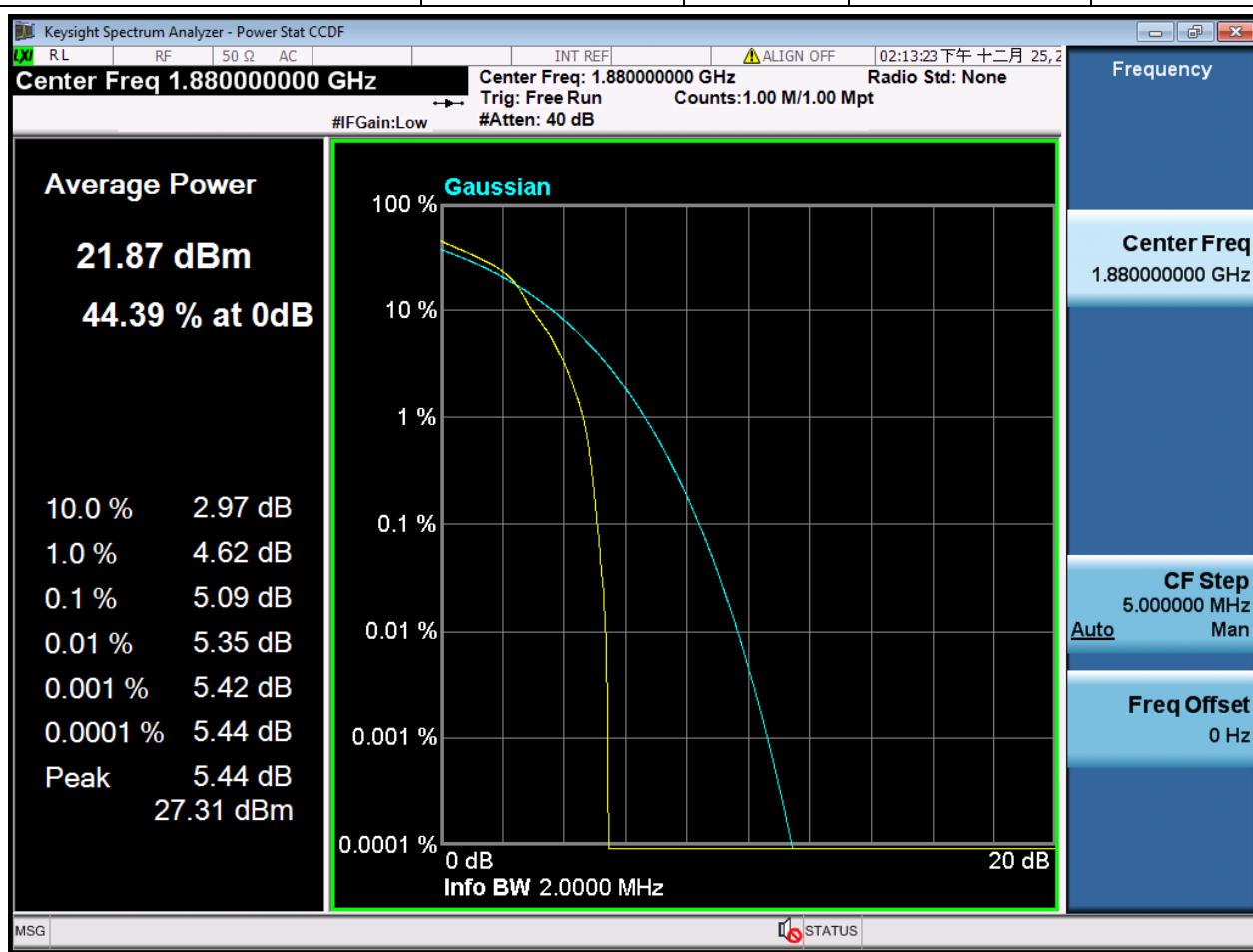
1.7. LTE Peak to Average Ratio(NTVV)(Subtest:7, Channel:18900, Bandwidth:1.4, Modulation:QPSK, RB Number: 6, RB Position:LOW)

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



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 | 5.09 | 13 | Pass |



Average Power
21.87 dBm
44.39 % at 0dB

| | |
|----------|-----------|
| 10.0 % | 2.97 dB |
| 1.0 % | 4.62 dB |
| 0.1 % | 5.09 dB |
| 0.01 % | 5.35 dB |
| 0.001 % | 5.42 dB |
| 0.0001 % | 5.44 dB |
| Peak | 5.44 dB |
| | 27.31 dBm |

Center Freq
1.880000000 GHz

CF Step
5.000000 MHz

Freq Offset
0 Hz

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 | 5.01 | 13 | Pass |

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 02:13:27 下午 十二月 25, 2018

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
21.99 dBm
44.68 % at 0dB

10.0 % 2.96 dB
1.0 % 4.57 dB
0.1 % 5.01 dB
0.01 % 5.26 dB
0.001 % 5.37 dB
0.0001 % 5.39 dB
Peak 5.45 dB
27.44 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

1.10. 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 | 5.09 | 13 | Pass |

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 02:13:31 下午 十二月 25, 2018

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
21.86 dBm
44.33 % at 0dB

10.0 % 2.97 dB
1.0 % 4.63 dB
0.1 % 5.09 dB
0.01 % 5.36 dB
0.001 % 5.41 dB
0.0001 % 5.43 dB
Peak 5.43 dB
27.29 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

1.11. 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 | 5.49 | 13 | Pass |

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 02:13:35 下午 十二月 25, 2018

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
21.81 dBm
44.18 % at 0dB

10.0 % 2.97 dB
1.0 % 4.75 dB
0.1 % 5.49 dB
0.01 % 5.72 dB
0.001 % 5.81 dB
0.0001 % 5.84 dB
Peak 5.85 dB
27.66 dBm

Gaussian



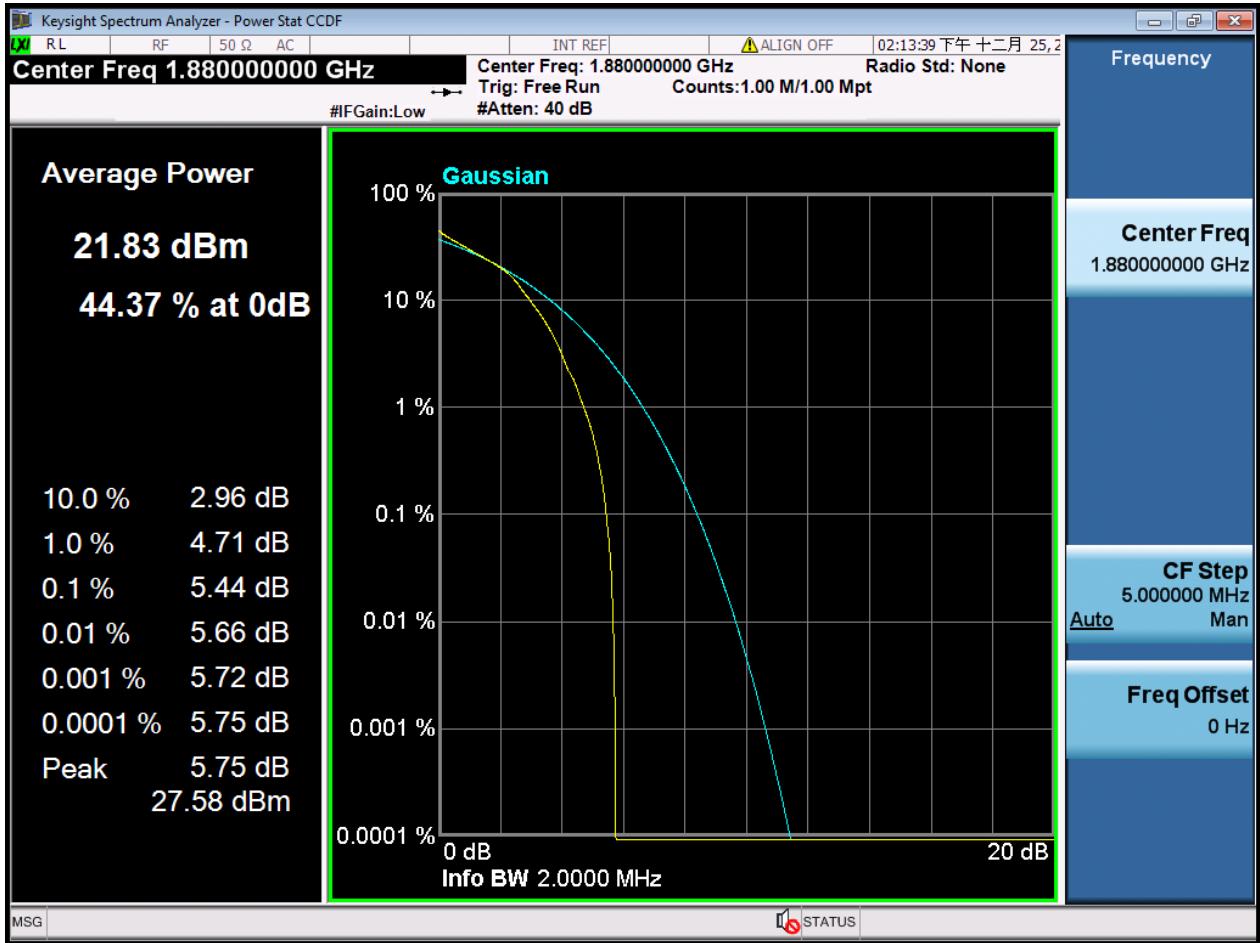
0.0001 % 0 dB 20 dB Info BW 2.0000 MHz

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

MSG STATUS

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 | 5.44 | 13 | Pass |



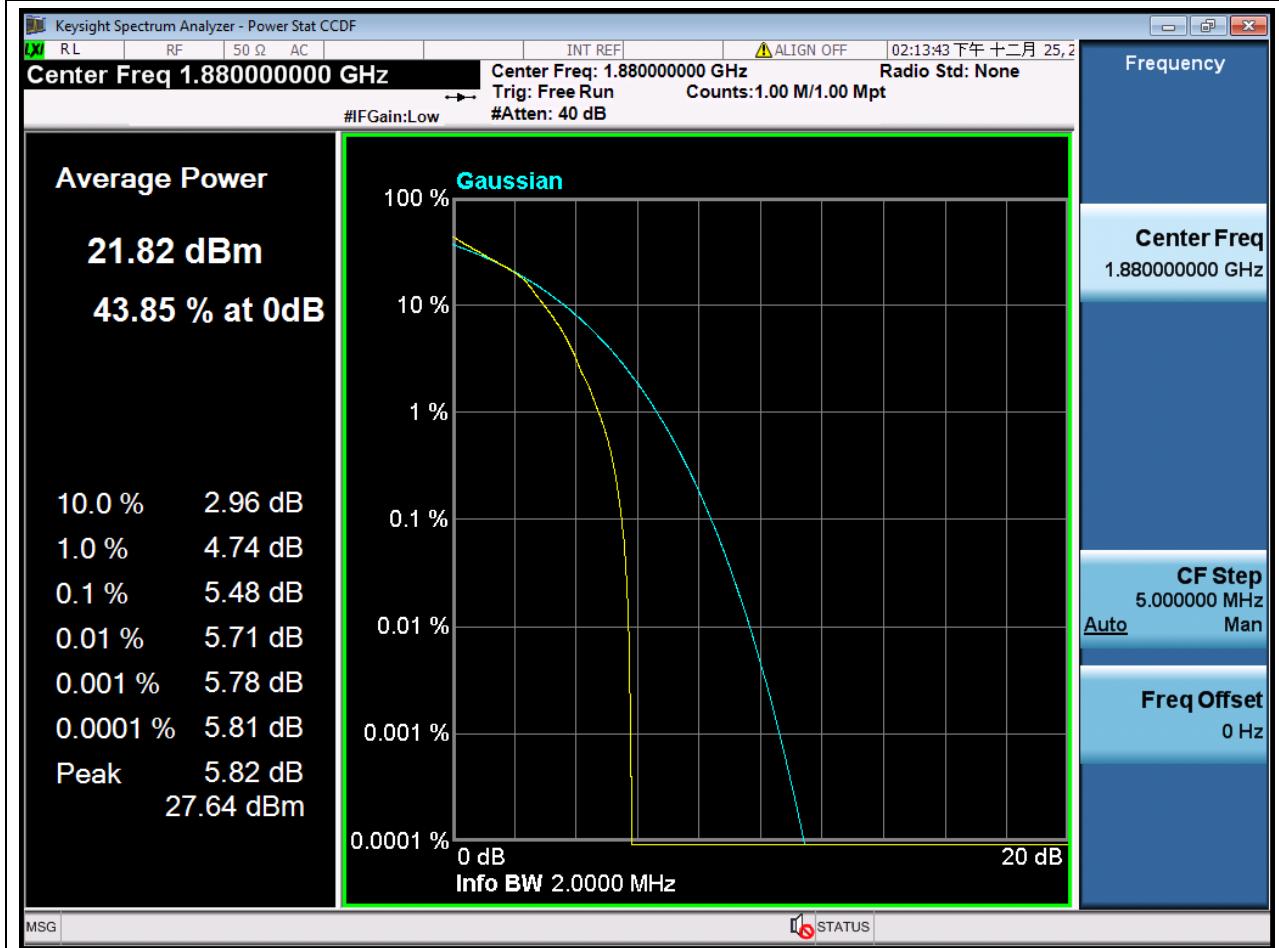
The screenshot shows the Keysight Spectrum Analyzer interface for a Power Stat CCDF analysis. The center frequency is set to 1.880000000 GHz. The plot displays a Gaussian distribution of power levels. The Y-axis represents the percentage of power from 0.0001% to 100%, and the X-axis represents power in dB from 0 dB to 20 dB. A cyan curve represents the measured data, which closely follows a yellow Gaussian envelope. The plot title is "Gaussian". The status bar at the bottom indicates an "Info BW 2.0000 MHz". On the left, a summary table provides detailed PAR statistics:

| Average Power | 21.83 dBm |
|---------------|----------------|
| | 44.37 % at 0dB |
| 10.0 % | 2.96 dB |
| 1.0 % | 4.71 dB |
| 0.1 % | 5.44 dB |
| 0.01 % | 5.66 dB |
| 0.001 % | 5.72 dB |
| 0.0001 % | 5.75 dB |
| Peak | 5.75 dB |
| | 27.58 dBm |

On the right side of the interface, there are three vertical panels: "Frequency" (blue), "CF Step" (blue), and "Freq Offset" (blue). The "CF Step" panel shows "5.000000 MHz" and "Man". The "Freq Offset" panel shows "0 Hz".

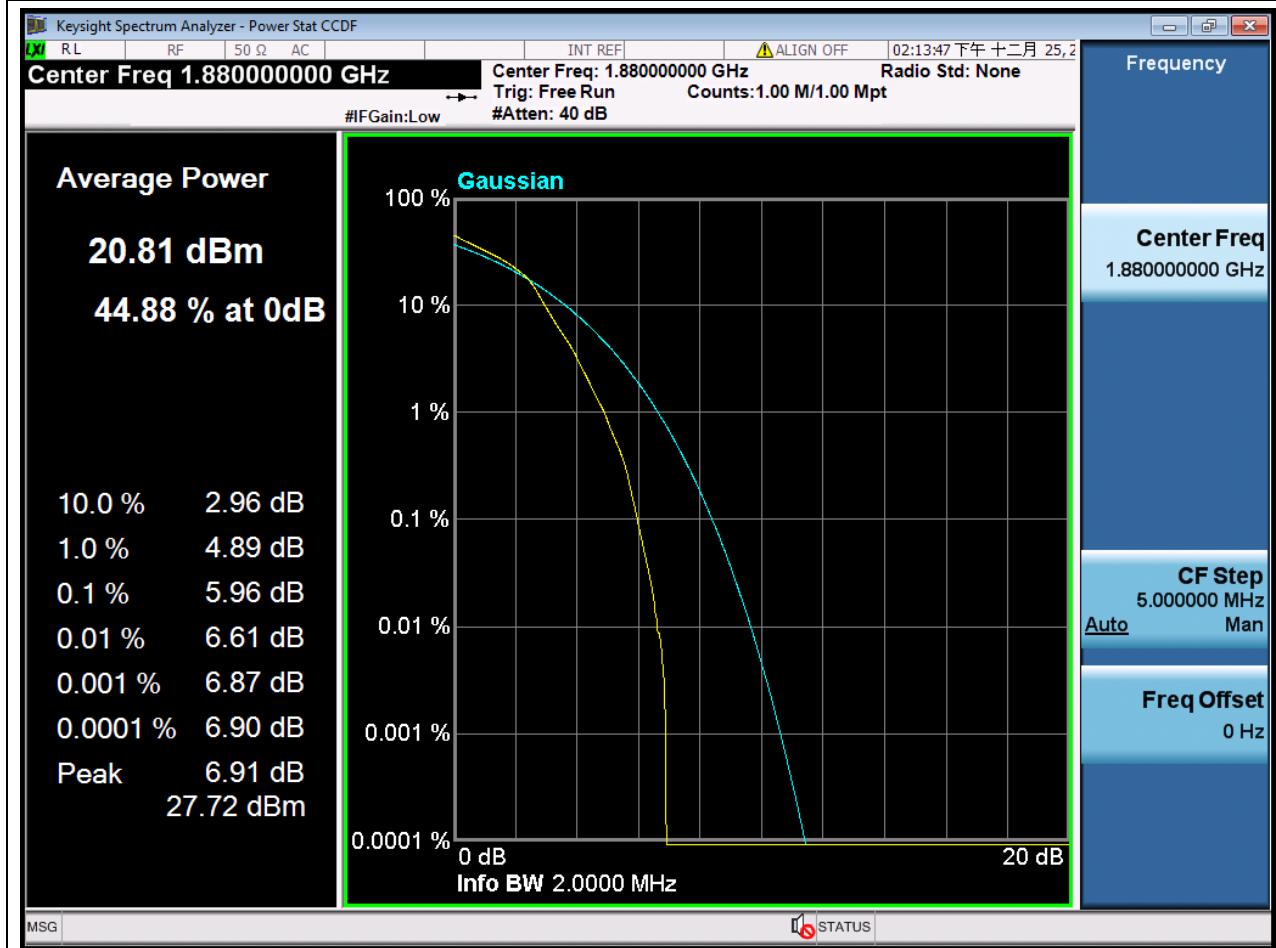
1.13. LTE Peak to Average Ratio(NTNV)(Subtest:13, Channel:18900, Bandwidth:1.4, Modulation:Q16, RB Number: 3, RB Position:HIGH)

| Center Frequency(MHz) | PAR Percent (%) | PAR (dB) | Upper Limit (dB) | Verdict |
|-----------------------|-----------------|----------|------------------|---------|
| 1880 | 0.1 | 5.48 | 13 | Pass |



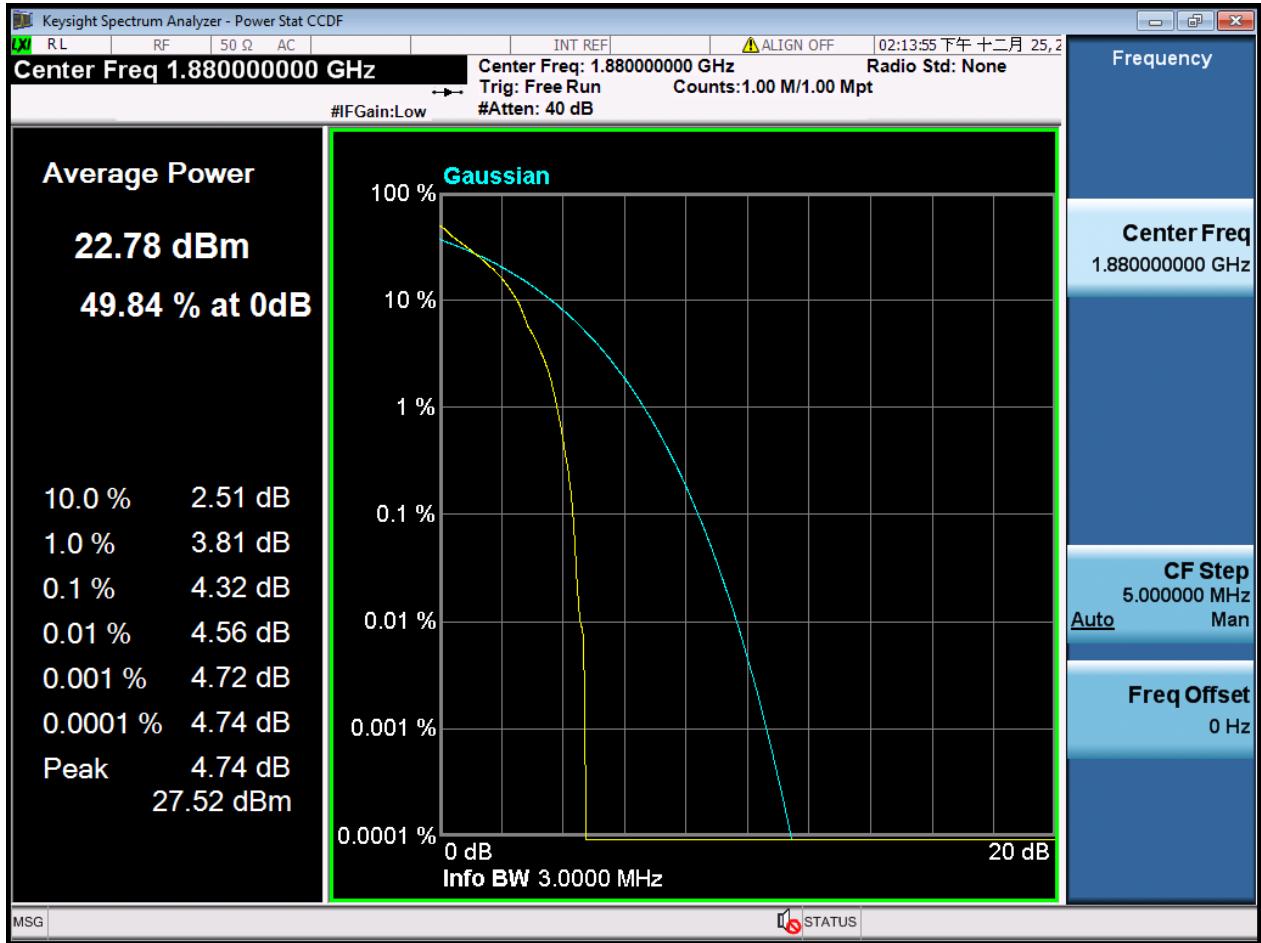
1.14. LTE Peak to Average Ratio(NTNV)(Subtest:14, Channel:18900, Bandwidth:1.4, Modulation:Q16, RB Number: 6, RB Position:LOW)

| Center Frequency(MHz) | PAR Percent (%) | PAR (dB) | Upper Limit (dB) | Verdict |
|-----------------------|-----------------|----------|------------------|---------|
| 1880 | 0.1 | 5.96 | 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 | 4.32 | 13 | Pass |



Average Power
22.78 dBm
49.84 % at 0dB

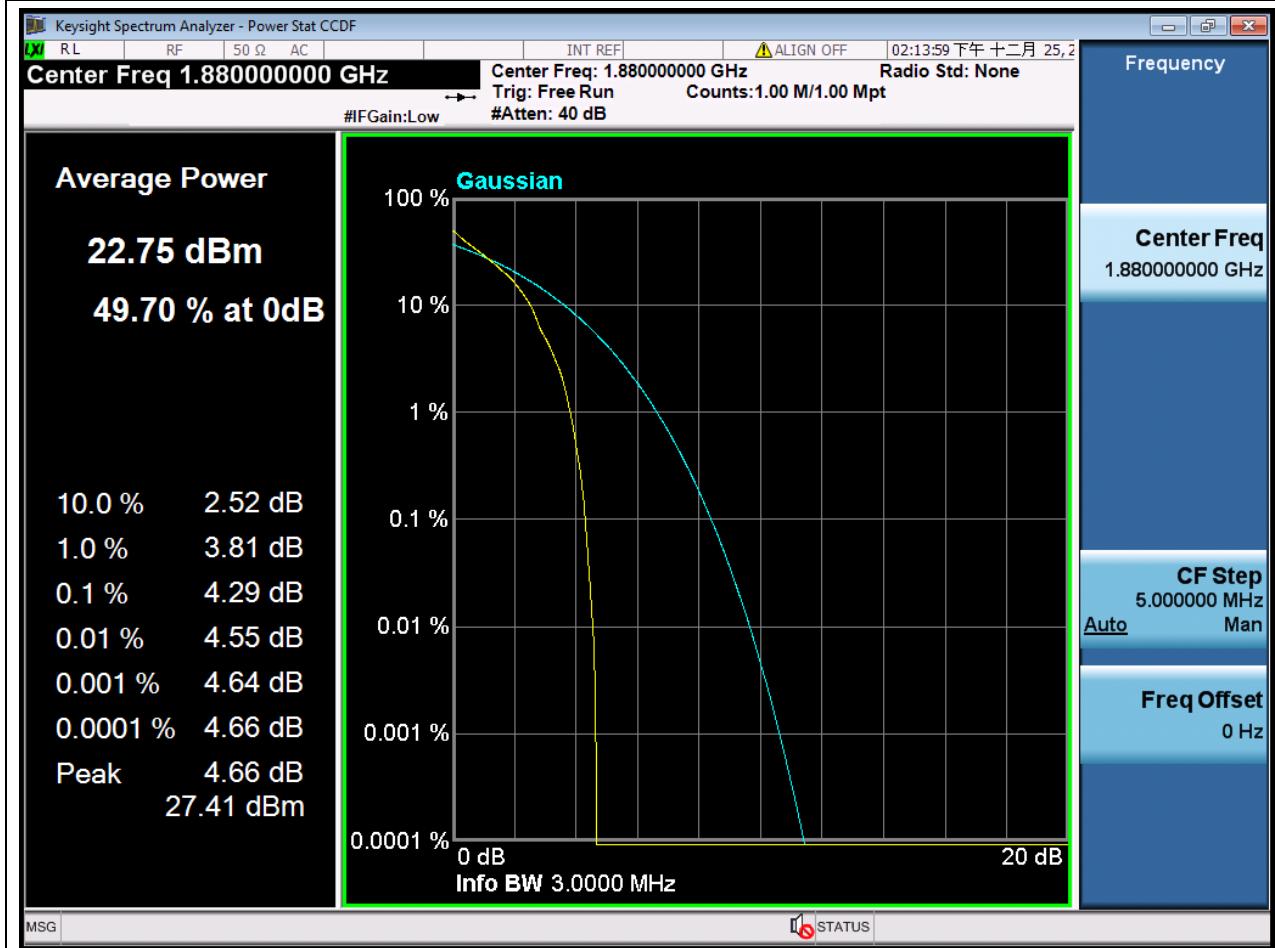
| | |
|----------|-----------|
| 10.0 % | 2.51 dB |
| 1.0 % | 3.81 dB |
| 0.1 % | 4.32 dB |
| 0.01 % | 4.56 dB |
| 0.001 % | 4.72 dB |
| 0.0001 % | 4.74 dB |
| Peak | 4.74 dB |
| | 27.52 dBm |

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

1.16. 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 | 4.29 | 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 | 4.28 | 13 | Pass |

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 02:14:03 下午 十二月 25, 2018

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
22.79 dBm
49.84 % at 0dB

10.0 % 2.50 dB
1.0 % 3.79 dB
0.1 % 4.28 dB
0.01 % 4.55 dB
0.001 % 4.71 dB
0.0001 % 4.79 dB
Peak 4.80 dB
27.59 dBm

Gaussian



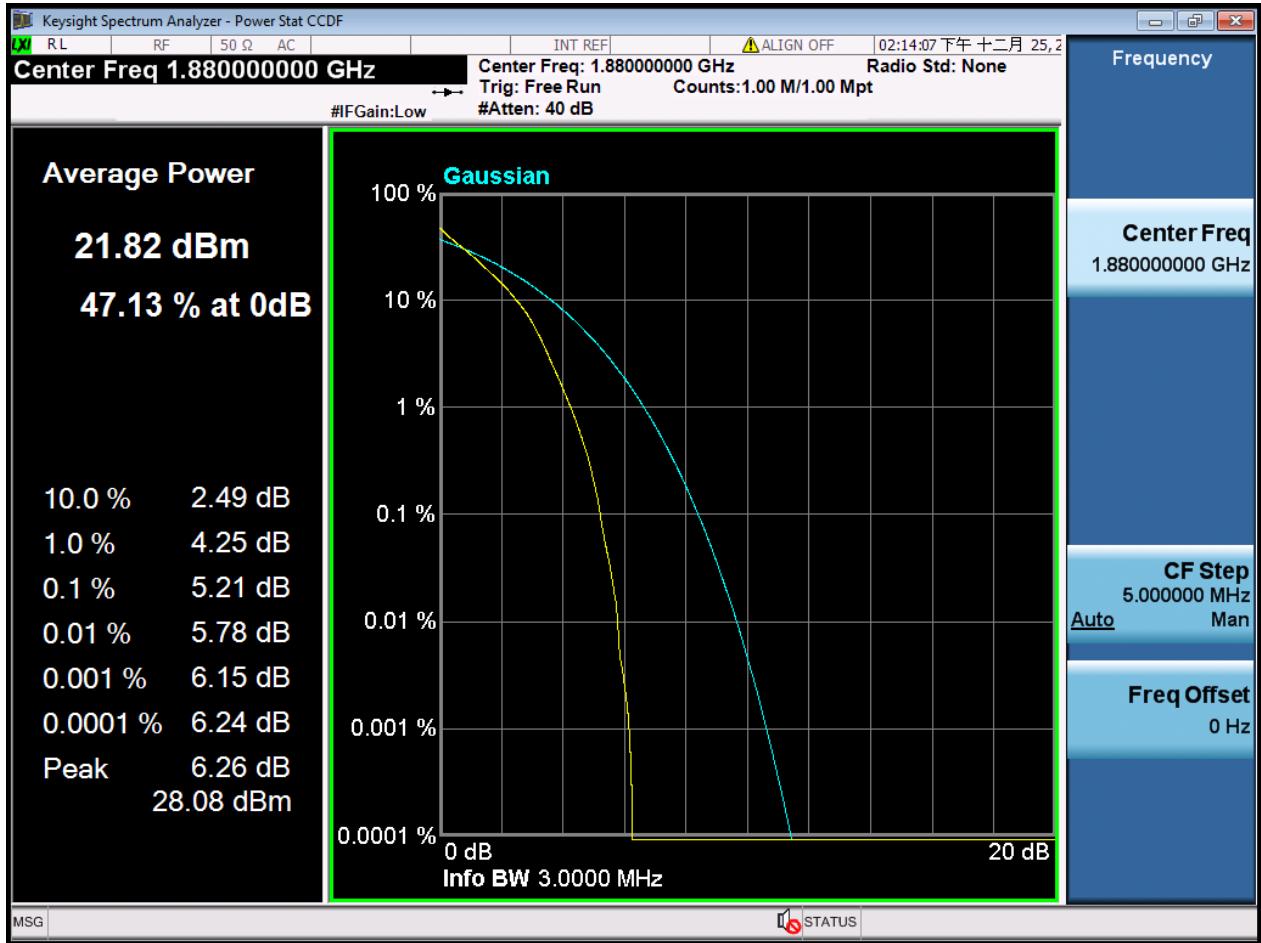
Info BW 3.0000 MHz

Frequency
Center Freq 1.880000000 GHz
CF Step 5.000000 MHz Man
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 | 5.21 | 13 | Pass |



Average Power
21.82 dBm
47.13 % at 0dB

| | |
|----------|-----------|
| 10.0 % | 2.49 dB |
| 1.0 % | 4.25 dB |
| 0.1 % | 5.21 dB |
| 0.01 % | 5.78 dB |
| 0.001 % | 6.15 dB |
| 0.0001 % | 6.24 dB |
| Peak | 6.26 dB |
| | 28.08 dBm |

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 | 5.14 | 13 | Pass |

Keysight Spectrum Analyzer - Power Stat CCDF

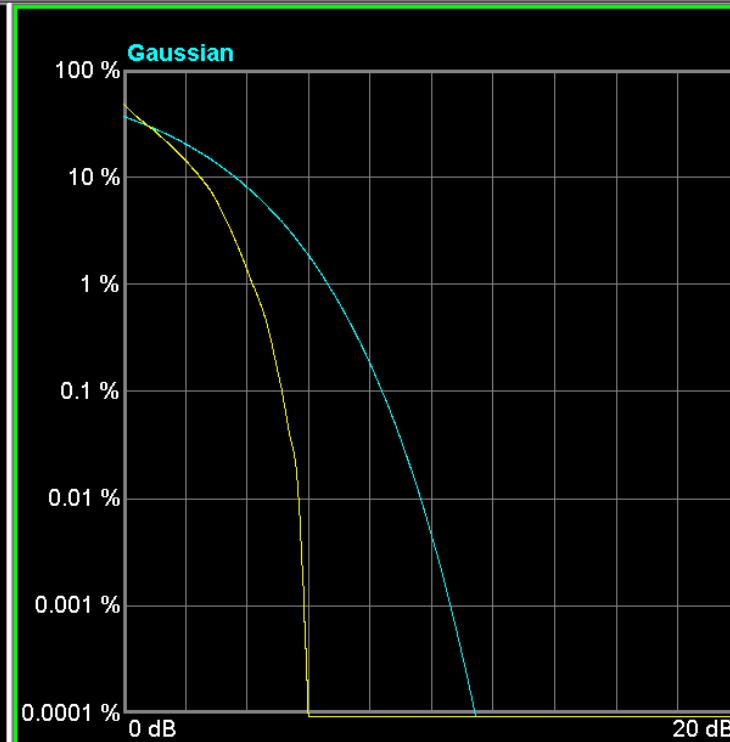
RL RF 50 Ω AC INT REF ALIGN OFF 02:14:11 下午 十二月 25, 2018

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 21.85 dBm
47.82 % at 0dB

10.0 % 2.48 dB
1.0 % 4.19 dB
0.1 % 5.14 dB
0.01 % 5.68 dB
0.001 % 5.86 dB
0.0001 % 5.98 dB
Peak 6.00 dB
27.85 dBm

Gaussian



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

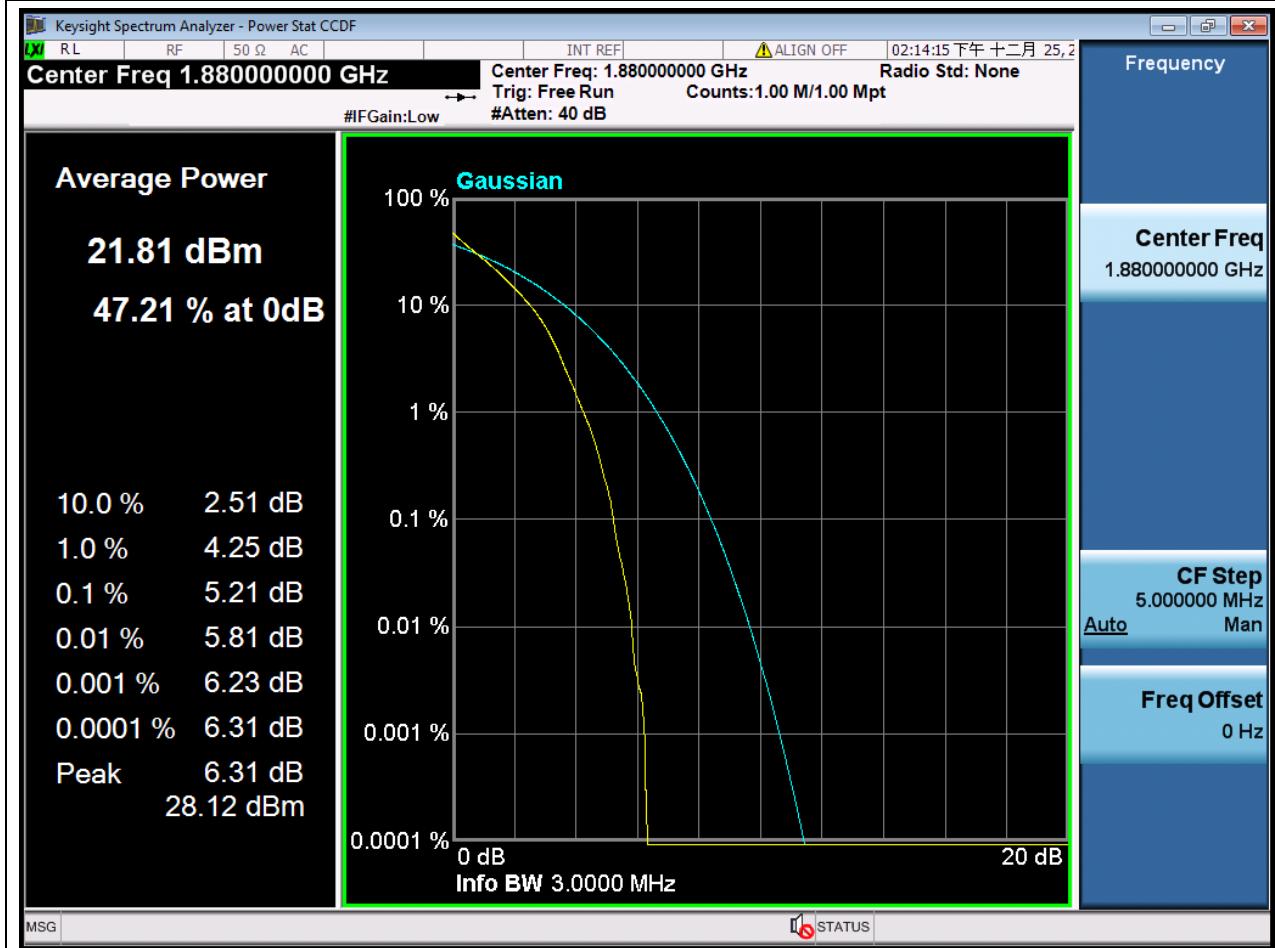
0 dB 20 dB Info BW 3.0000 MHz

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

MSG STATUS

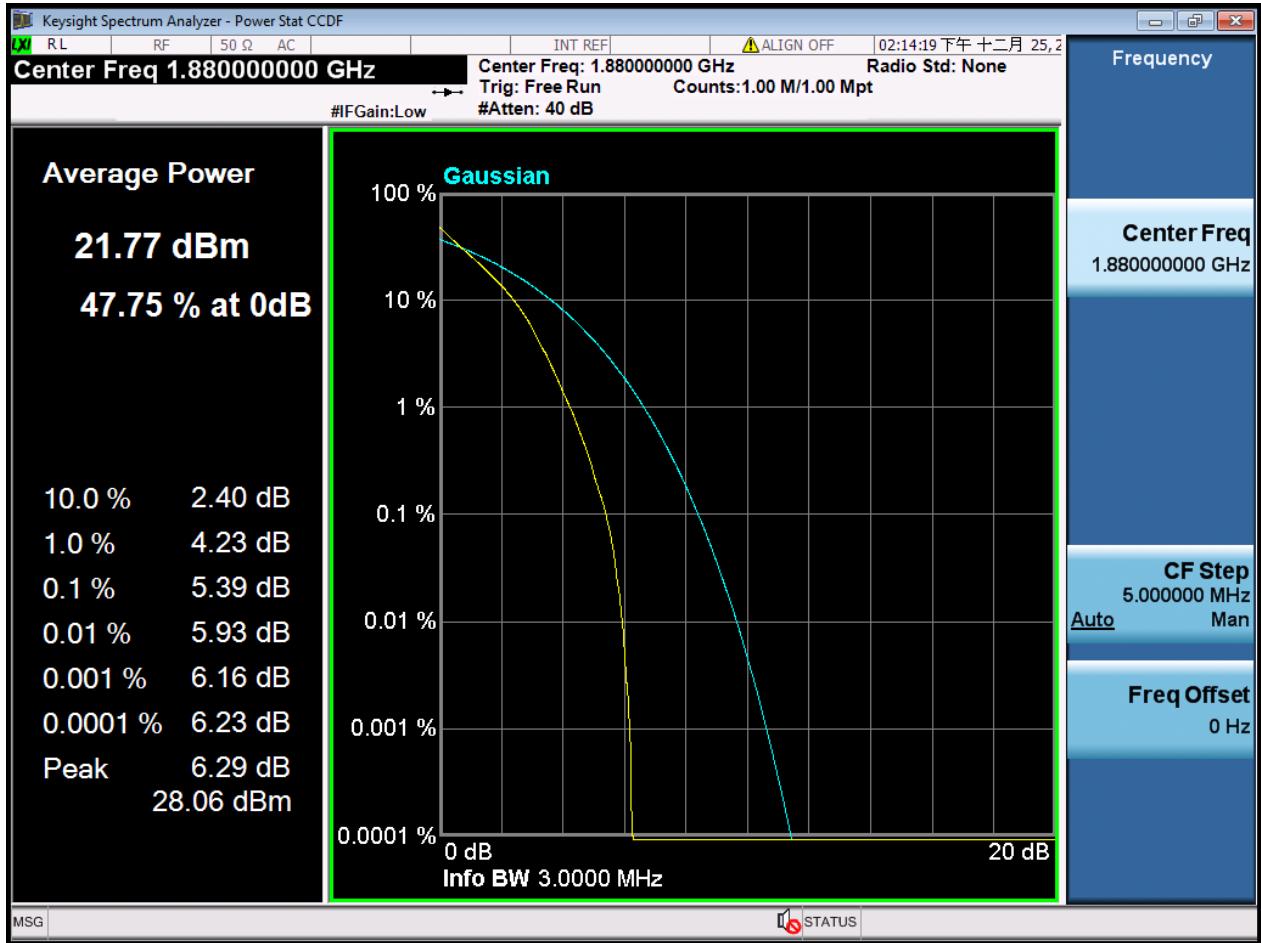
1.20. LTE Peak to Average Ratio(NTNV)(Subtest:20, Channel:18900, Bandwidth:3, Modulation:QPSK, RB Number: 8, RB Position:HIGH)

| Center Frequency(MHz) | PAR Percent (%) | PAR (dB) | Upper Limit (dB) | Verdict |
|-----------------------|-----------------|----------|------------------|---------|
| 1880 | 0.1 | 5.21 | 13 | Pass |



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 | 5.39 | 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 | 5.14 | 13 | Pass |

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 02:14:24 下午 十二月 25, 2018

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 22.01 dBm
44.81 % at 0dB

10.0 % 2.87 dB
1.0 % 4.58 dB
0.1 % 5.14 dB
0.01 % 5.35 dB
0.001 % 5.45 dB
0.0001 % 5.48 dB
Peak 5.48 dB
27.49 dBm

Gaussian



Info BW 3.0000 MHz

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

MSG STATUS

1.23. 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 | 5.18 | 13 | Pass |

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 02:14:28 下午 十二月 25, 2018

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
21.96 dBm
44.83 % at 0dB

10.0 % 2.87 dB
1.0 % 4.60 dB
0.1 % 5.18 dB
0.01 % 5.38 dB
0.001 % 5.44 dB
0.0001 % 5.47 dB
Peak 5.47 dB
27.43 dBm

Gaussian



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

0 dB 20 dB

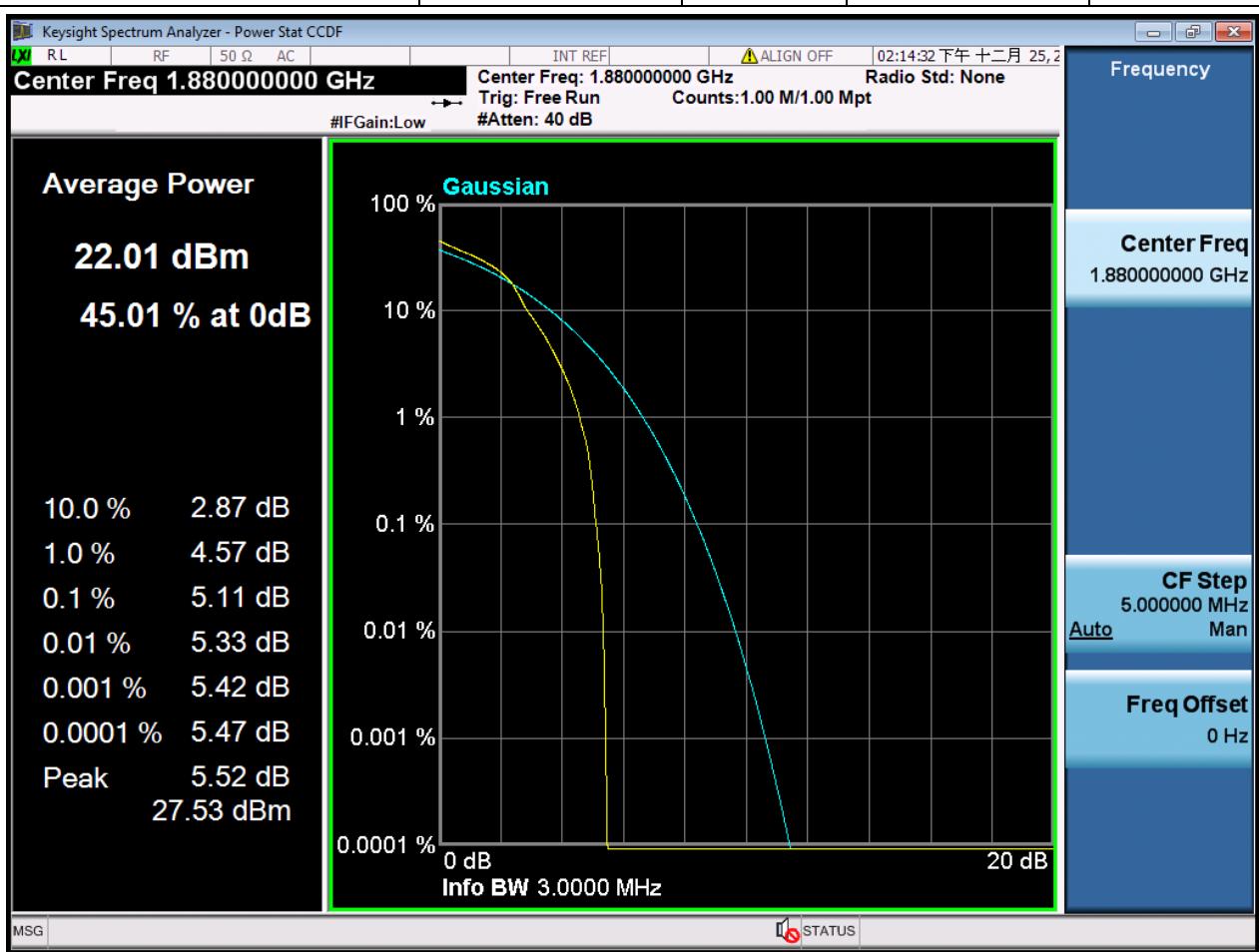
Info BW 3.0000 MHz

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

MSG STATUS

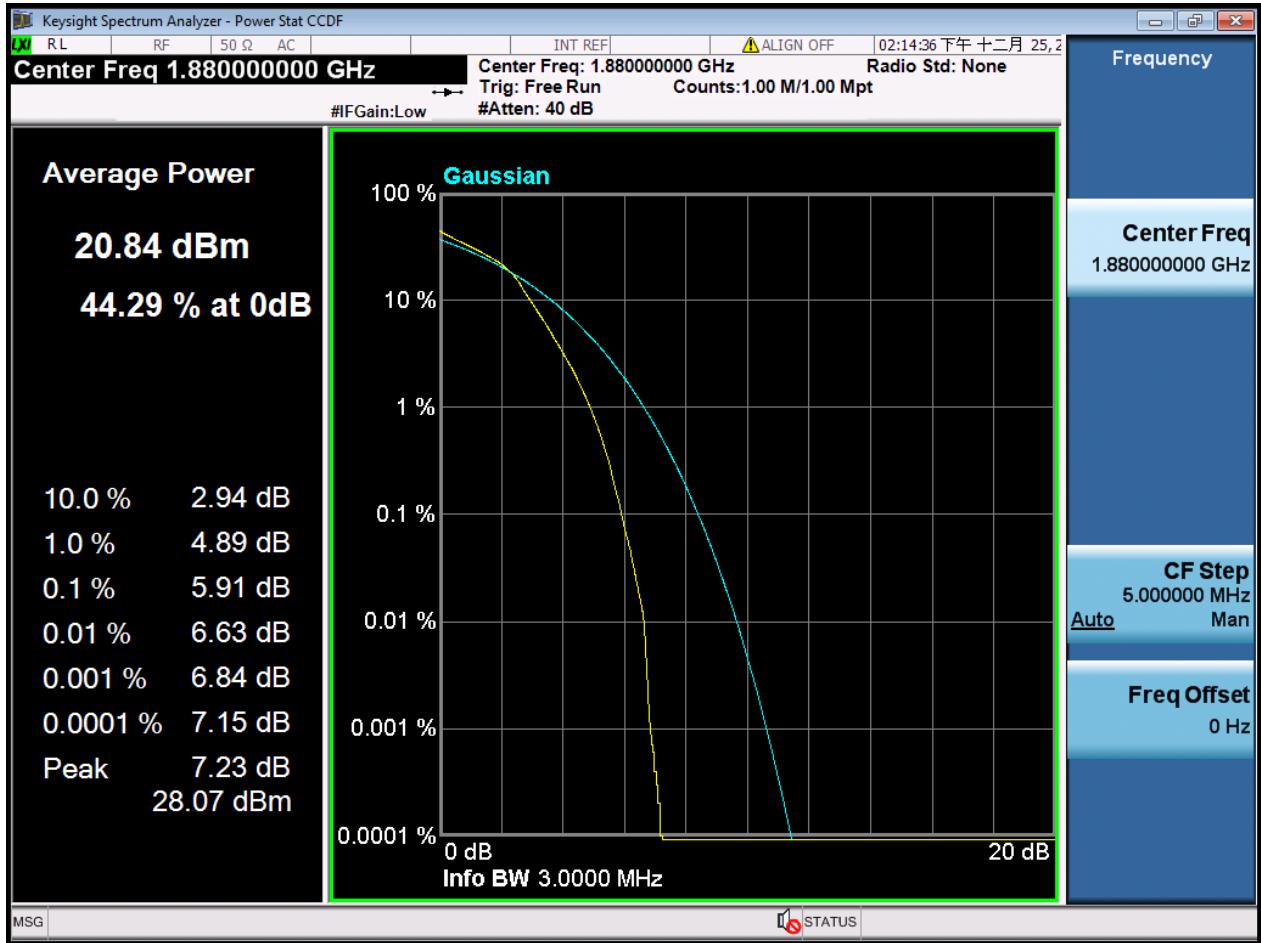
1.24. LTE Peak to Average Ratio(NTNV)(Subtest:24, Channel:18900, Bandwidth:3, Modulation:Q16, RB Number: 1, RB Position:HIGH)

| Center Frequency(MHz) | PAR Percent (%) | PAR (dB) | Upper Limit (dB) | Verdict |
|-----------------------|-----------------|----------|------------------|---------|
| 1880 | 0.1 | 5.11 | 13 | Pass |



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 | 5.91 | 13 | Pass |



Average Power
20.84 dBm
44.29 % at 0dB

| | |
|----------|-----------|
| 10.0 % | 2.94 dB |
| 1.0 % | 4.89 dB |
| 0.1 % | 5.91 dB |
| 0.01 % | 6.63 dB |
| 0.001 % | 6.84 dB |
| 0.0001 % | 7.15 dB |
| Peak | 7.23 dB |
| | 28.07 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

MSG STATUS

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 | 5.83 | 13 | Pass |

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 02:14:40 下午 十二月 25, 2018

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
20.86 dBm
44.14 % at 0dB

10.0 % 2.94 dB
1.0 % 4.83 dB
0.1 % 5.83 dB
0.01 % 6.44 dB
0.001 % 7.06 dB
0.0001 % 7.13 dB
Peak 7.14 dB
28.00 dBm

Gaussian



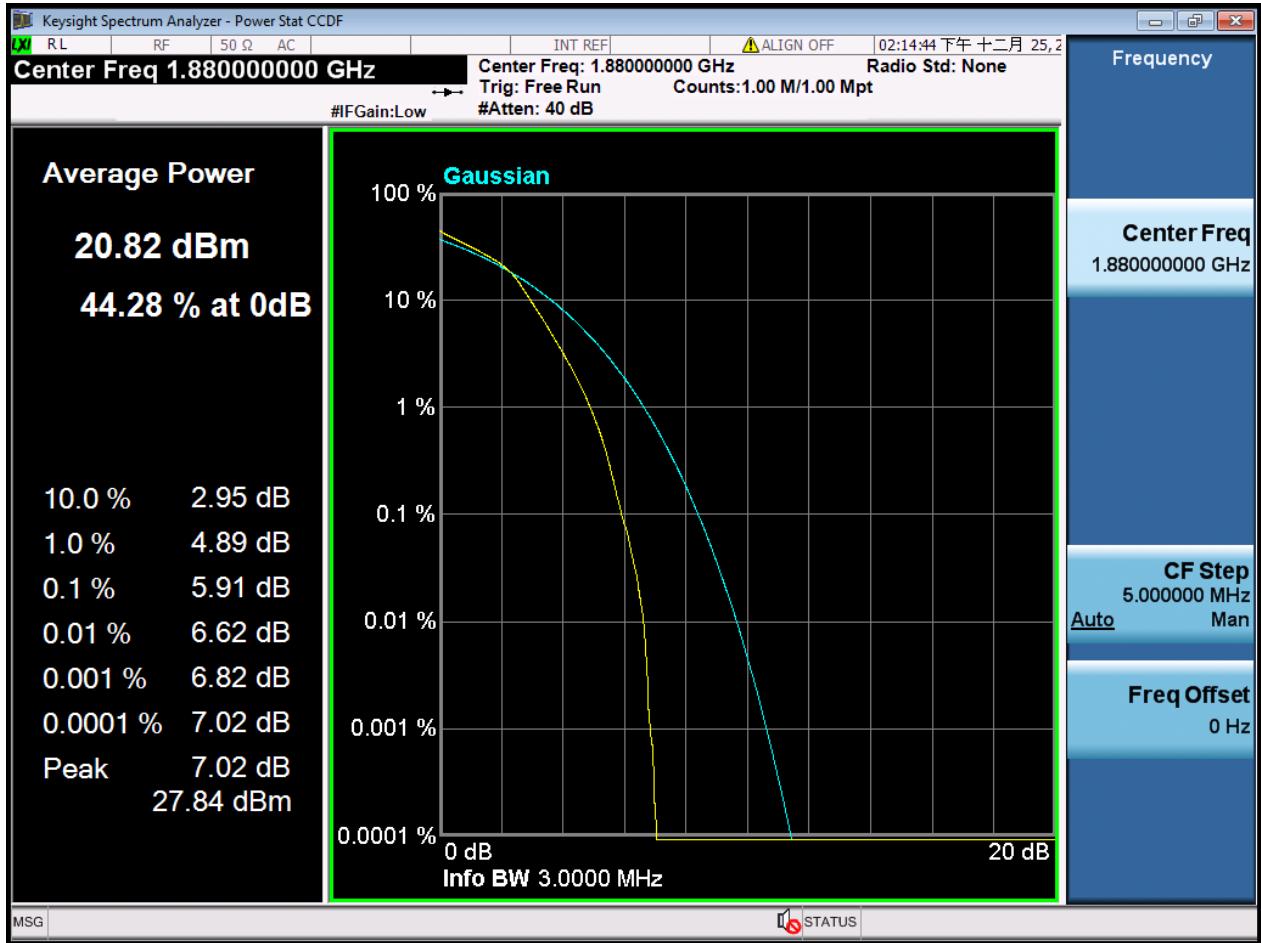
0.0001 % 0 dB 20 dB Info BW 3.0000 MHz

Frequency
Center Freq 1.880000000 GHz
CF Step 5.000000 MHz Man
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 | 5.91 | 13 | Pass |



Average Power
20.82 dBm
44.28 % at 0dB

| | |
|----------|-----------|
| 10.0 % | 2.95 dB |
| 1.0 % | 4.89 dB |
| 0.1 % | 5.91 dB |
| 0.01 % | 6.62 dB |
| 0.001 % | 6.82 dB |
| 0.0001 % | 7.02 dB |
| Peak | 7.02 dB |
| | 27.84 dBm |

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 | 6.28 | 13 | Pass |

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 02:14:48 下午 十二月 25, 2018

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
20.75 dBm
44.52 % at 0dB

10.0 % 2.93 dB
1.0 % 4.93 dB
0.1 % 6.28 dB
0.01 % 7.01 dB
0.001 % 7.58 dB
0.0001 % 7.73 dB
Peak 7.78 dB
28.53 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 | 4.36 | 13 | Pass |

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 02:14:56 下午 十二月 25, 2018

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
22.76 dBm
49.92 % at 0dB

10.0 % 2.49 dB
1.0 % 3.88 dB
0.1 % 4.36 dB
0.01 % 4.67 dB
0.001 % 4.71 dB
0.0001 % 4.72 dB
Peak 4.76 dB
27.52 dBm

Gaussian



Info BW 5.0000 MHz

Frequency
Center Freq 1.880000000 GHz
CF Step 5.000000 MHz
Auto Man
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 | 4.33 | 13 | Pass |

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 02:15:00 下午 十二月 25, 2018

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
22.77 dBm
49.80 % at 0dB

10.0 % 2.48 dB
1.0 % 3.87 dB
0.1 % 4.33 dB
0.01 % 4.61 dB
0.001 % 4.68 dB
0.0001 % 4.71 dB
Peak 4.72 dB
27.49 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 | 4.28 | 13 | Pass |

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 02:15:04 下午 十二月 25, 2018

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
22.76 dBm
50.20 % at 0dB

10.0 % 2.47 dB
1.0 % 3.82 dB
0.1 % 4.28 dB
0.01 % 4.58 dB
0.001 % 4.64 dB
0.0001 % 4.65 dB
Peak 4.66 dB
27.42 dBm

Gaussian



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

MSG STATUS

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 | 5.27 | 13 | Pass |

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 02:15:08 下午 十二月 25, 2018

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
21.78 dBm
48.06 % at 0dB

10.0 % 2.37 dB
1.0 % 4.24 dB
0.1 % 5.27 dB
0.01 % 5.86 dB
0.001 % 6.18 dB
0.0001 % 6.25 dB
Peak 6.26 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
Auto Man
Freq Offset 0 Hz

MSG STATUS

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 | 5.21 | 13 | Pass |

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 02:15:12 下午 十二月 25, 2018

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
21.82 dBm
48.46 % at 0dB

10.0 % 2.35 dB
1.0 % 4.20 dB
0.1 % 5.21 dB
0.01 % 5.67 dB
0.001 % 6.07 dB
0.0001 % 6.12 dB
Peak 6.12 dB
27.94 dBm

Gaussian



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

0 dB 20 dB

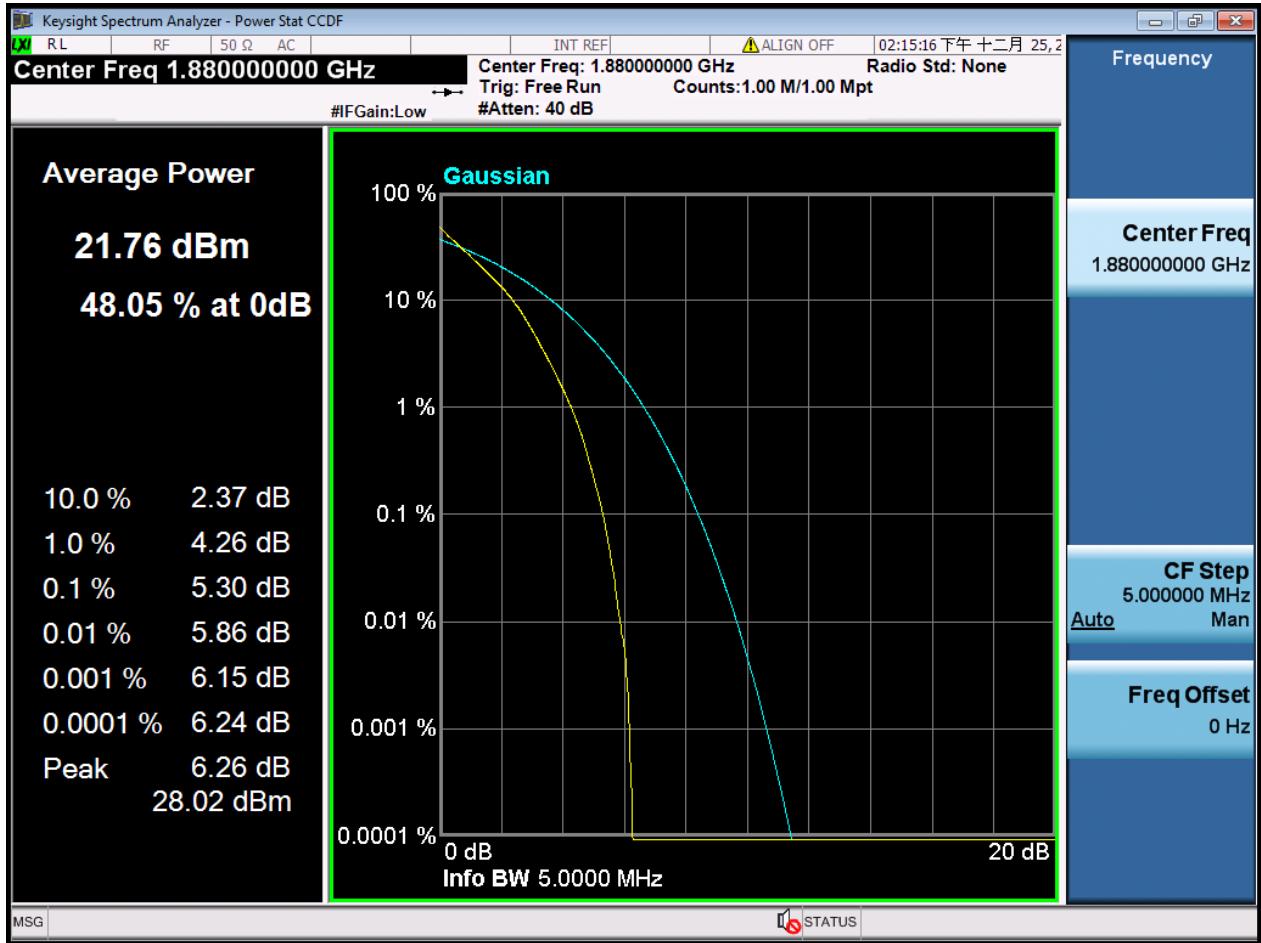
Info BW 5.0000 MHz

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

MSG STATUS

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 | 5.3 | 13 | Pass |



Average Power
21.76 dBm
48.05 % at 0dB

| | |
|----------|-----------|
| 10.0 % | 2.37 dB |
| 1.0 % | 4.26 dB |
| 0.1 % | 5.30 dB |
| 0.01 % | 5.86 dB |
| 0.001 % | 6.15 dB |
| 0.0001 % | 6.24 dB |
| Peak | 6.26 dB |
| | 28.02 dBm |

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 5.0000 MHz

MSG STATUS

Frequency
Center Freq 1.880000000 GHz
CF Step 5.000000 MHz Man
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 | 5.5 | 13 | Pass |

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 02:15:20 下午 十二月 25, 2018

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
21.74 dBm
48.27 % at 0dB

10.0 % 2.33 dB
1.0 % 4.30 dB
0.1 % 5.50 dB
0.01 % 6.16 dB
0.001 % 6.44 dB
0.0001 % 6.64 dB
Peak 6.64 dB
28.38 dBm

Gaussian



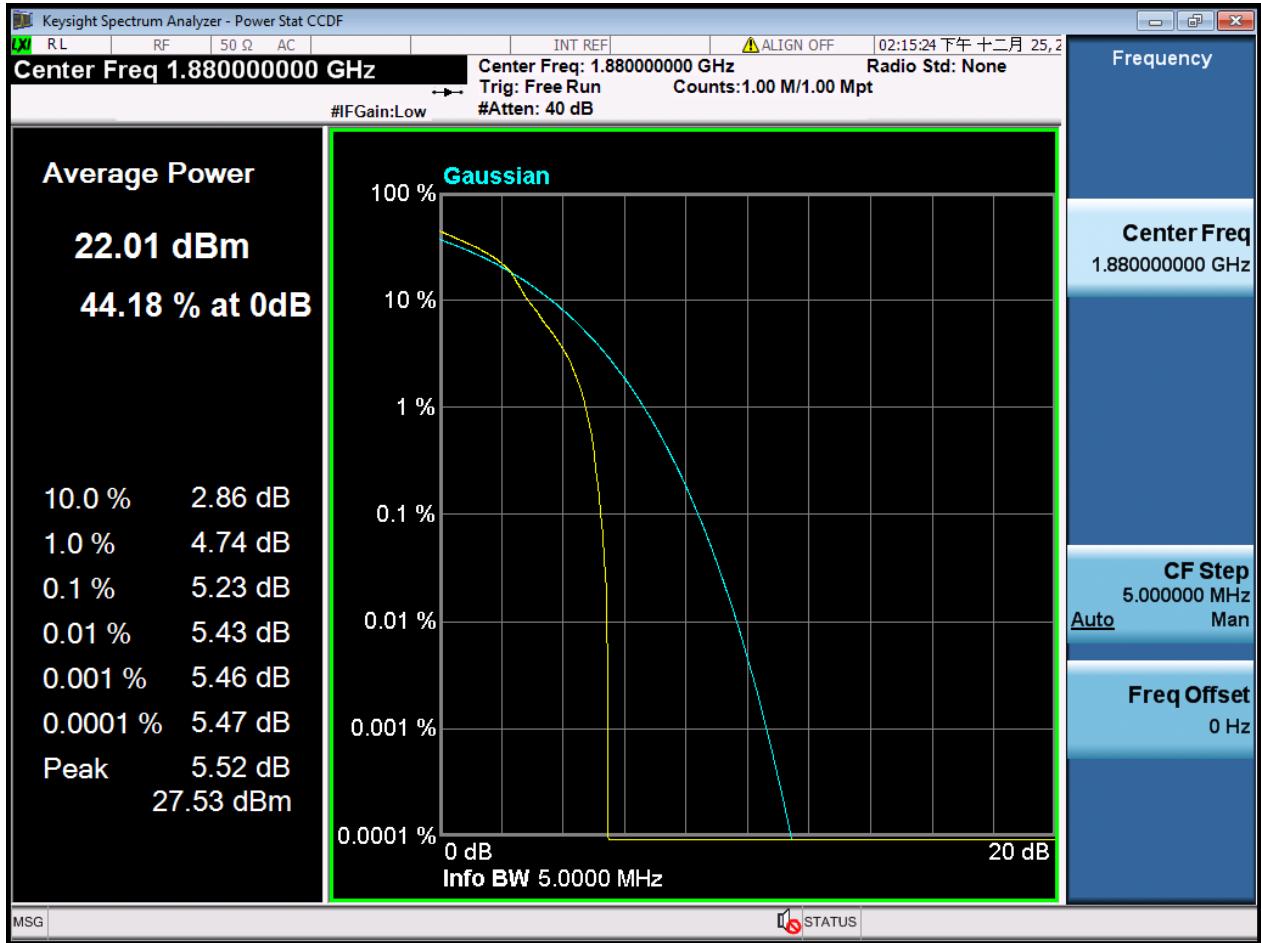
0.0001 % 0 dB 20 dB
Info BW 5.0000 MHz

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

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 | 5.23 | 13 | Pass |



Average Power
22.01 dBm
44.18 % at 0dB

| | |
|----------|-----------|
| 10.0 % | 2.86 dB |
| 1.0 % | 4.74 dB |
| 0.1 % | 5.23 dB |
| 0.01 % | 5.43 dB |
| 0.001 % | 5.46 dB |
| 0.0001 % | 5.47 dB |
| Peak | 5.52 dB |
| | 27.53 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: 1.880000000 GHz
CF Step: 5.000000 MHz
Freq Offset: 0 Hz

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 | 5.22 | 13 | Pass |

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 02:15:28 下午 十二月 25, 2018

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
22.01 dBm
44.21 % at 0dB

10.0 % 2.86 dB
1.0 % 4.74 dB
0.1 % 5.22 dB
0.01 % 5.41 dB
0.001 % 5.46 dB
0.0001 % 5.47 dB
Peak 5.47 dB
27.48 dBm

Gaussian



Frequency
Center Freq 1.880000000 GHz
CF Step 5.000000 MHz
Auto 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 | 5.2 | 13 | Pass |

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 02:15:32 下午 十二月 25, 2018

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
21.98 dBm
44.28 % at 0dB

10.0 % 2.85 dB
1.0 % 4.71 dB
0.1 % 5.20 dB
0.01 % 5.38 dB
0.001 % 5.41 dB
0.0001 % 5.42 dB
Peak 5.45 dB
27.43 dBm

Gaussian



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

0 dB 20 dB

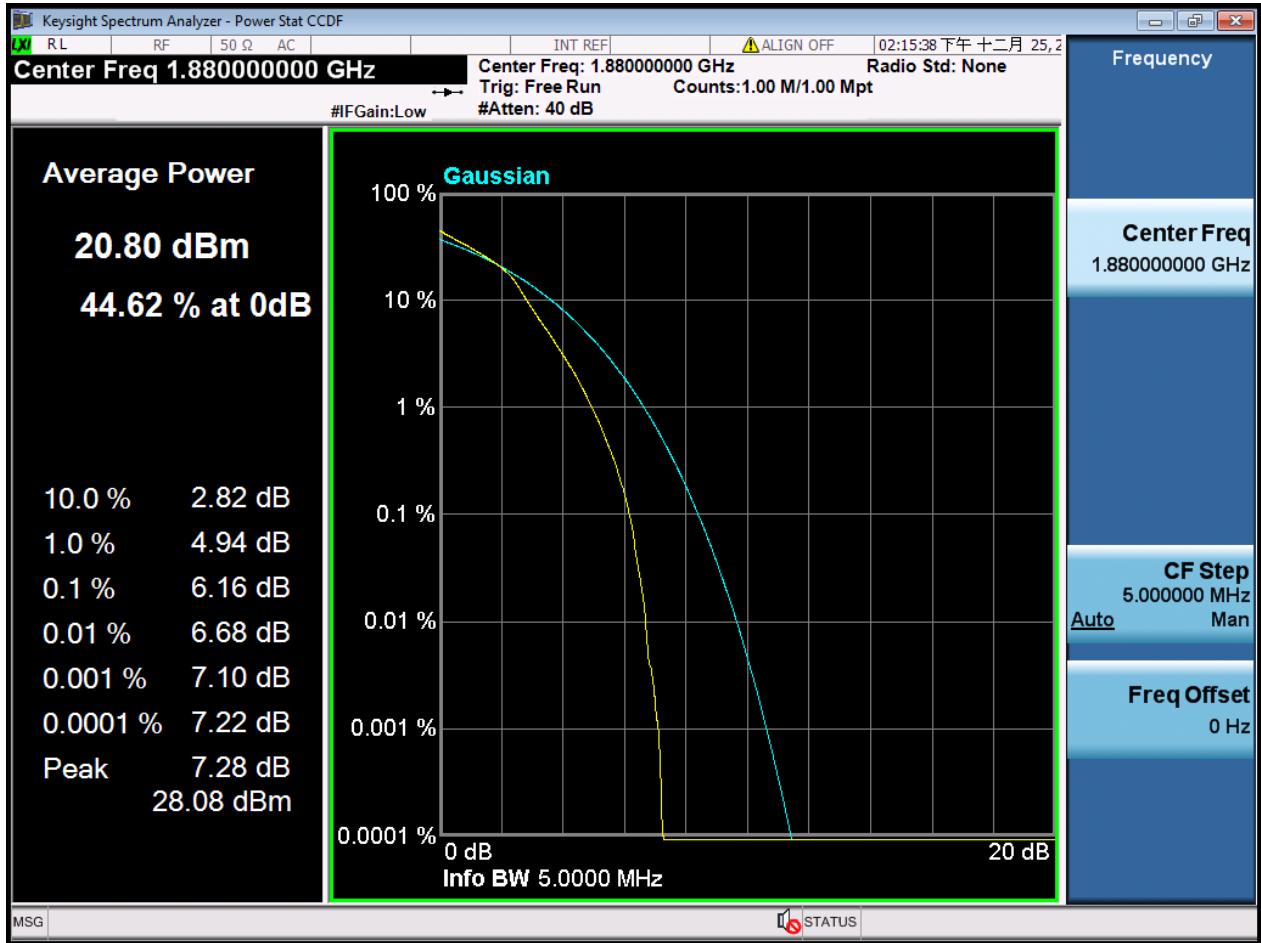
Info BW 5.0000 MHz

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

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 | 6.16 | 13 | Pass |



Average Power
20.80 dBm
44.62 % at 0dB

| | |
|----------|-----------|
| 10.0 % | 2.82 dB |
| 1.0 % | 4.94 dB |
| 0.1 % | 6.16 dB |
| 0.01 % | 6.68 dB |
| 0.001 % | 7.10 dB |
| 0.0001 % | 7.22 dB |
| Peak | 7.28 dB |
| | 28.08 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

1.40. 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 | 6.07 | 13 | Pass |

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 02:15:42 下午 十二月 25, 2018

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 20.84 dBm
44.80 % at 0dB

10.0 % 2.84 dB
1.0 % 4.89 dB
0.1 % 6.07 dB
0.01 % 6.63 dB
0.001 % 6.95 dB
0.0001 % 7.05 dB
Peak 7.10 dB
27.94 dBm

Gaussian



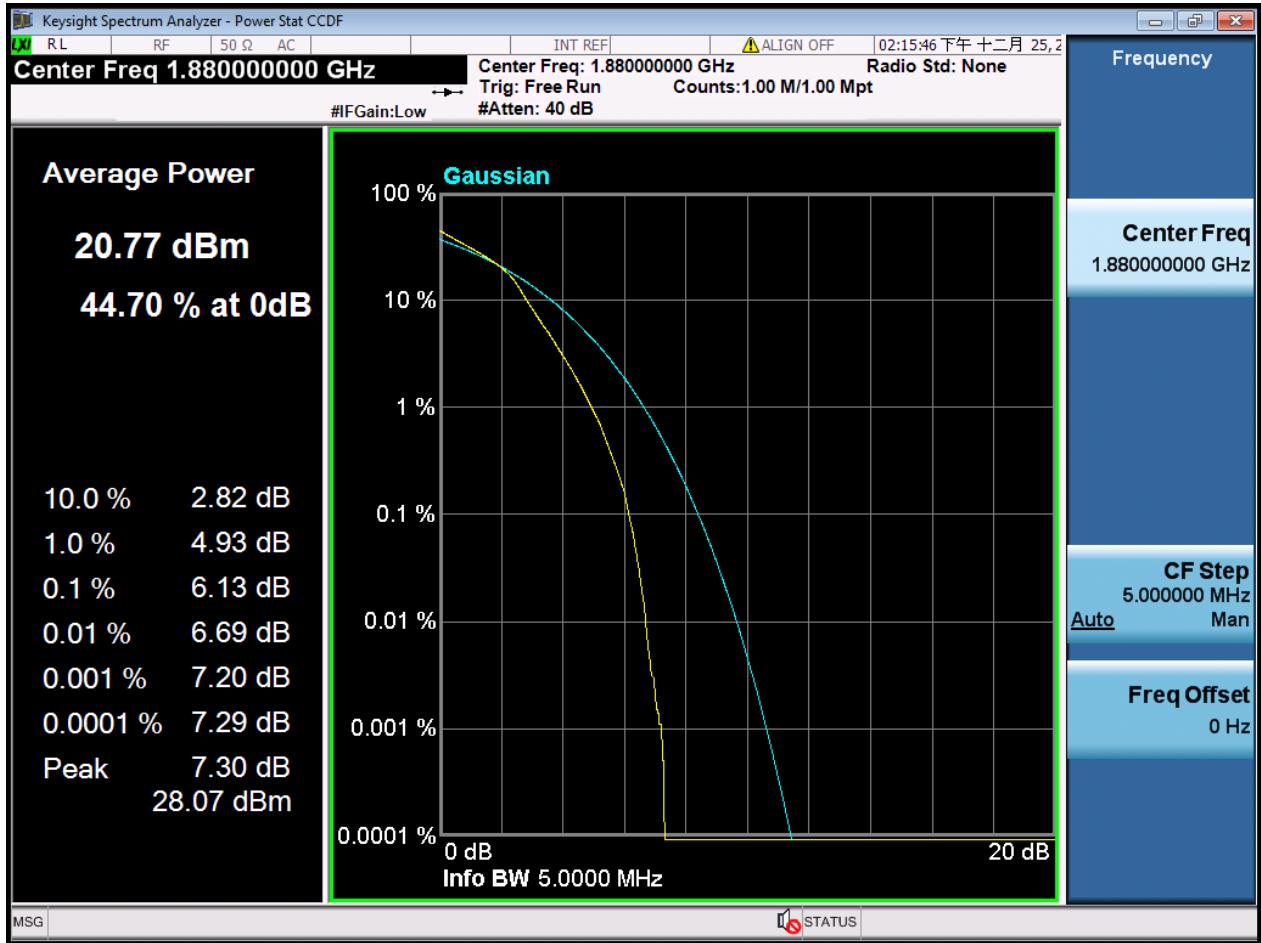
0.0001 % 0 dB 20 dB Info BW 5.0000 MHz

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

MSG STATUS

1.41. 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 | 6.13 | 13 | Pass |



Average Power
20.77 dBm
44.70 % at 0dB

| | |
|----------|-----------|
| 10.0 % | 2.82 dB |
| 1.0 % | 4.93 dB |
| 0.1 % | 6.13 dB |
| 0.01 % | 6.69 dB |
| 0.001 % | 7.20 dB |
| 0.0001 % | 7.29 dB |
| Peak | 7.30 dB |
| | 28.07 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

1.42. 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 | 6.12 | 13 | Pass |

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 02:15:50 下午 十二月 25, 2018

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
20.77 dBm
45.54 % at 0dB

10.0 % 2.82 dB
1.0 % 4.86 dB
0.1 % 6.12 dB
0.01 % 6.99 dB
0.001 % 7.45 dB
0.0001 % 7.85 dB
Peak 7.88 dB
28.65 dBm

Gaussian



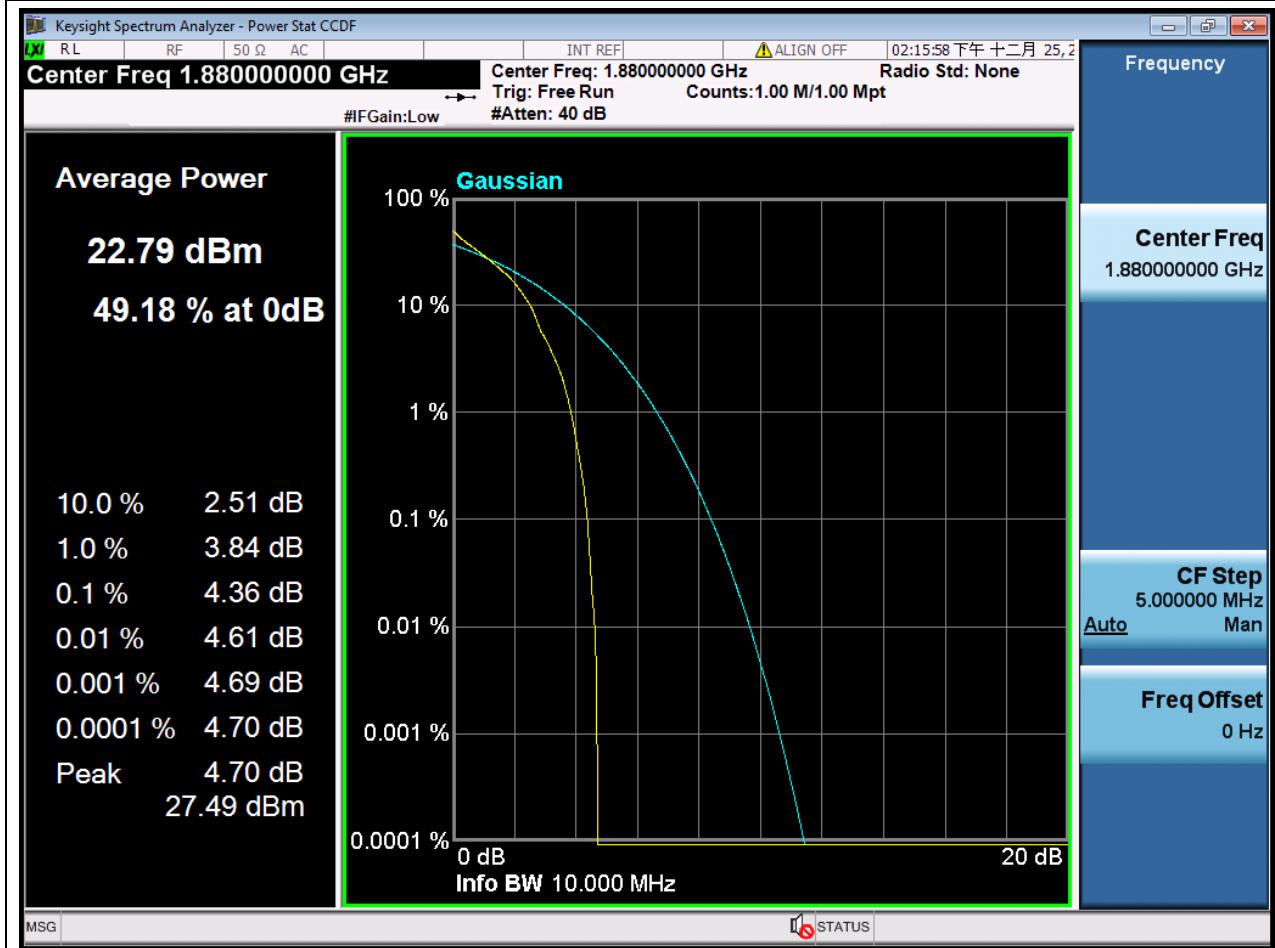
0.0001 % 0 dB 20 dB
Info BW 5.0000 MHz

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

MSG STATUS

1.43. 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 | 4.36 | 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 | 4.3 | 13 | Pass |

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 02:16:02 下午 十二月 25, 2018

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
22.88 dBm
49.31 % at 0dB

10.0 % 2.49 dB
1.0 % 3.80 dB
0.1 % 4.30 dB
0.01 % 4.53 dB
0.001 % 4.61 dB
0.0001 % 4.63 dB
Peak 4.64 dB
27.52 dBm

Gaussian



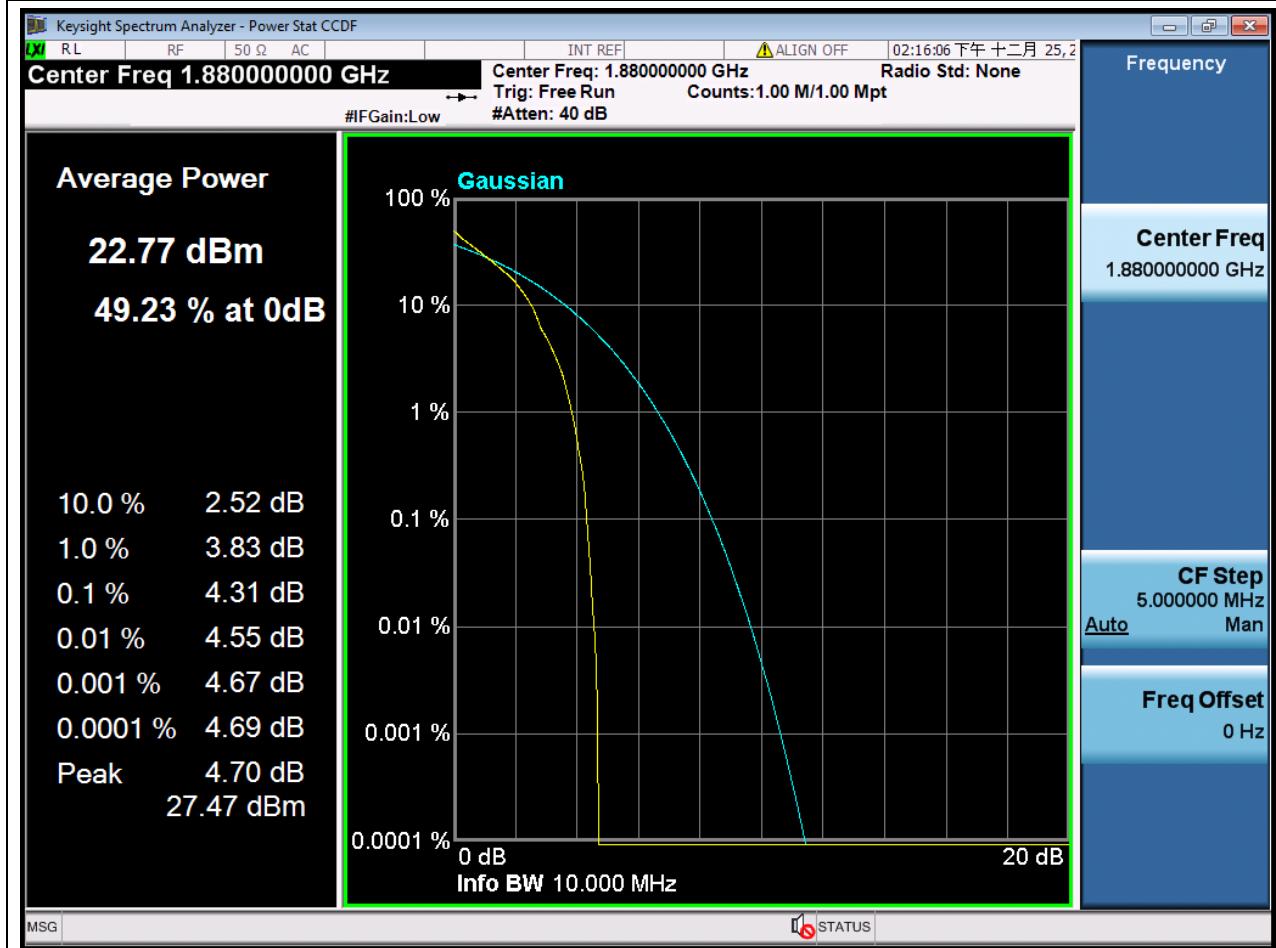
Info BW 10.000 MHz

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

MSG STATUS

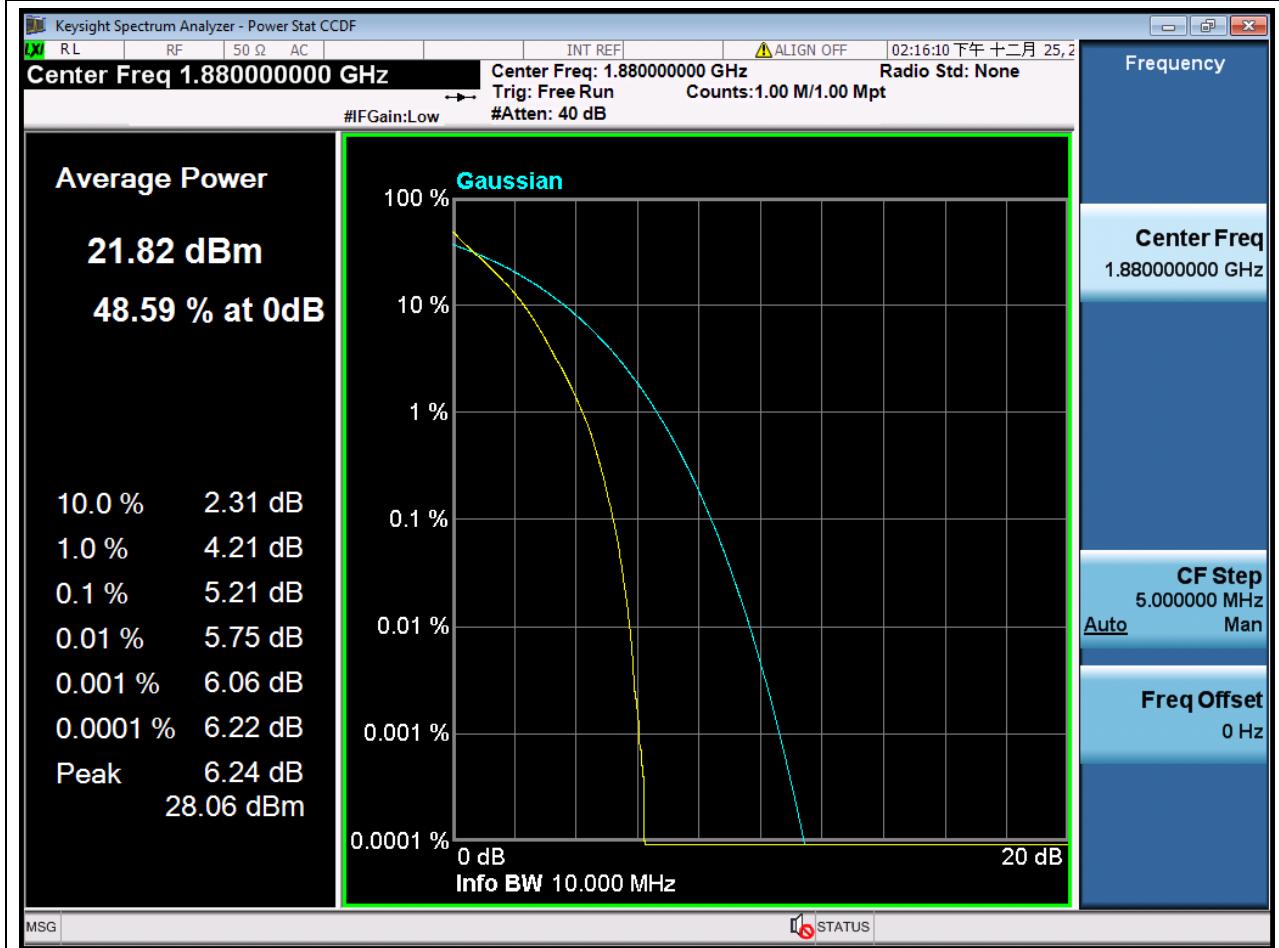
1.45. LTE Peak to Average Ratio(NTNV)(Subtest:45, Channel:18900, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

| Center Frequency(MHz) | PAR Percent (%) | PAR (dB) | Upper Limit (dB) | Verdict |
|-----------------------|-----------------|----------|------------------|---------|
| 1880 | 0.1 | 4.31 | 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 | 5.21 | 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 | 5.13 | 13 | Pass |

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 02:16:14 下午 十二月 25, 2014

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 21.80 dBm
48.85 % at 0dB

10.0 % 2.31 dB
1.0 % 4.19 dB
0.1 % 5.13 dB
0.01 % 5.65 dB
0.001 % 5.97 dB
0.0001 % 6.14 dB
Peak 6.20 dB
28.00 dBm

Gaussian



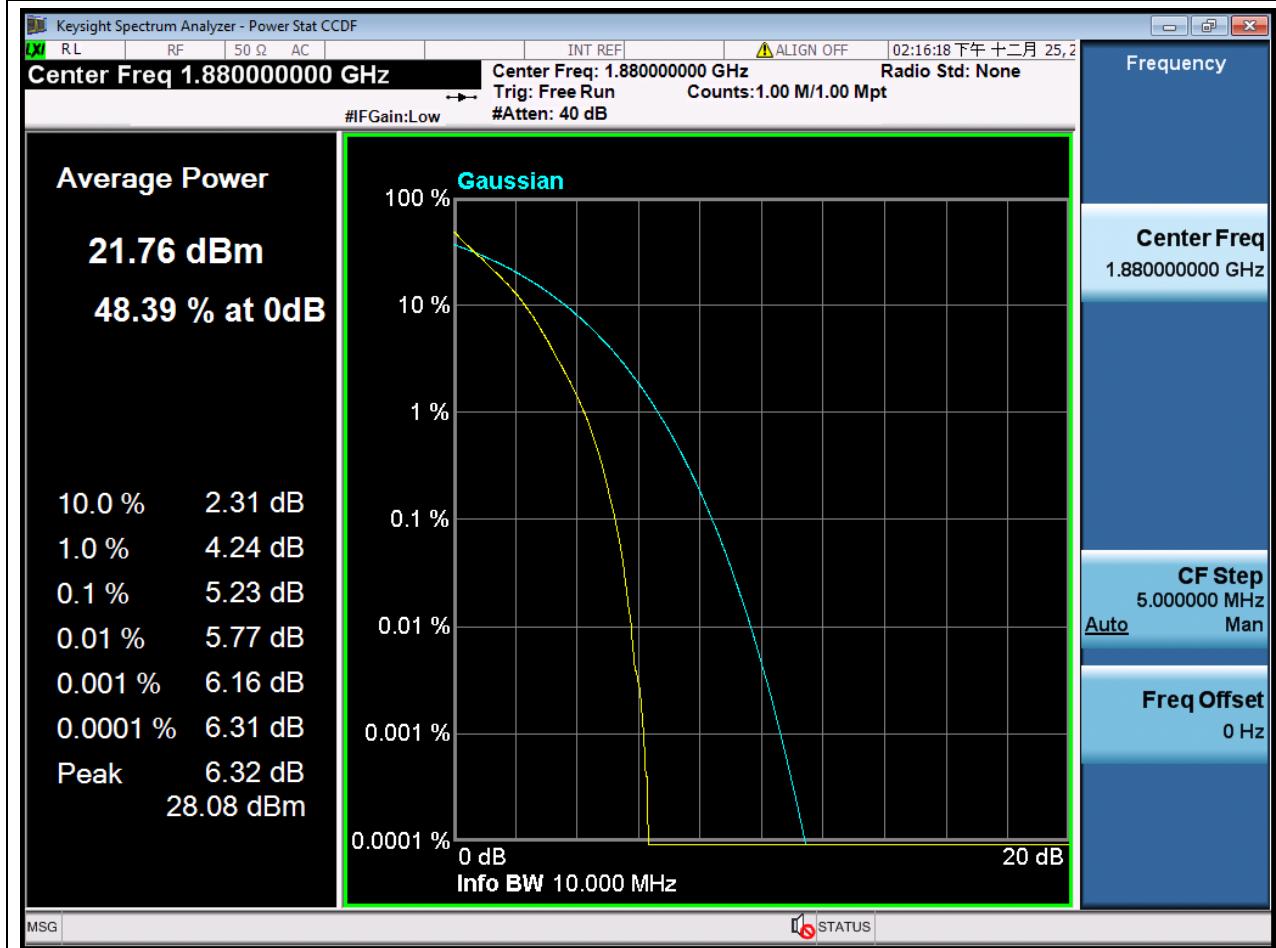
0.0001 % 0 dB 20 dB Info BW 10.000 MHz

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 | 5.23 | 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 | 5.45 | 13 | Pass |

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 02:16:22 下午 十二月 25, 2018

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 21.75 dBm
47.99 % at 0dB

10.0 % 2.27 dB
1.0 % 4.29 dB
0.1 % 5.45 dB
0.01 % 6.20 dB
0.001 % 6.54 dB
0.0001 % 6.90 dB
Peak 7.09 dB
28.84 dBm

Gaussian



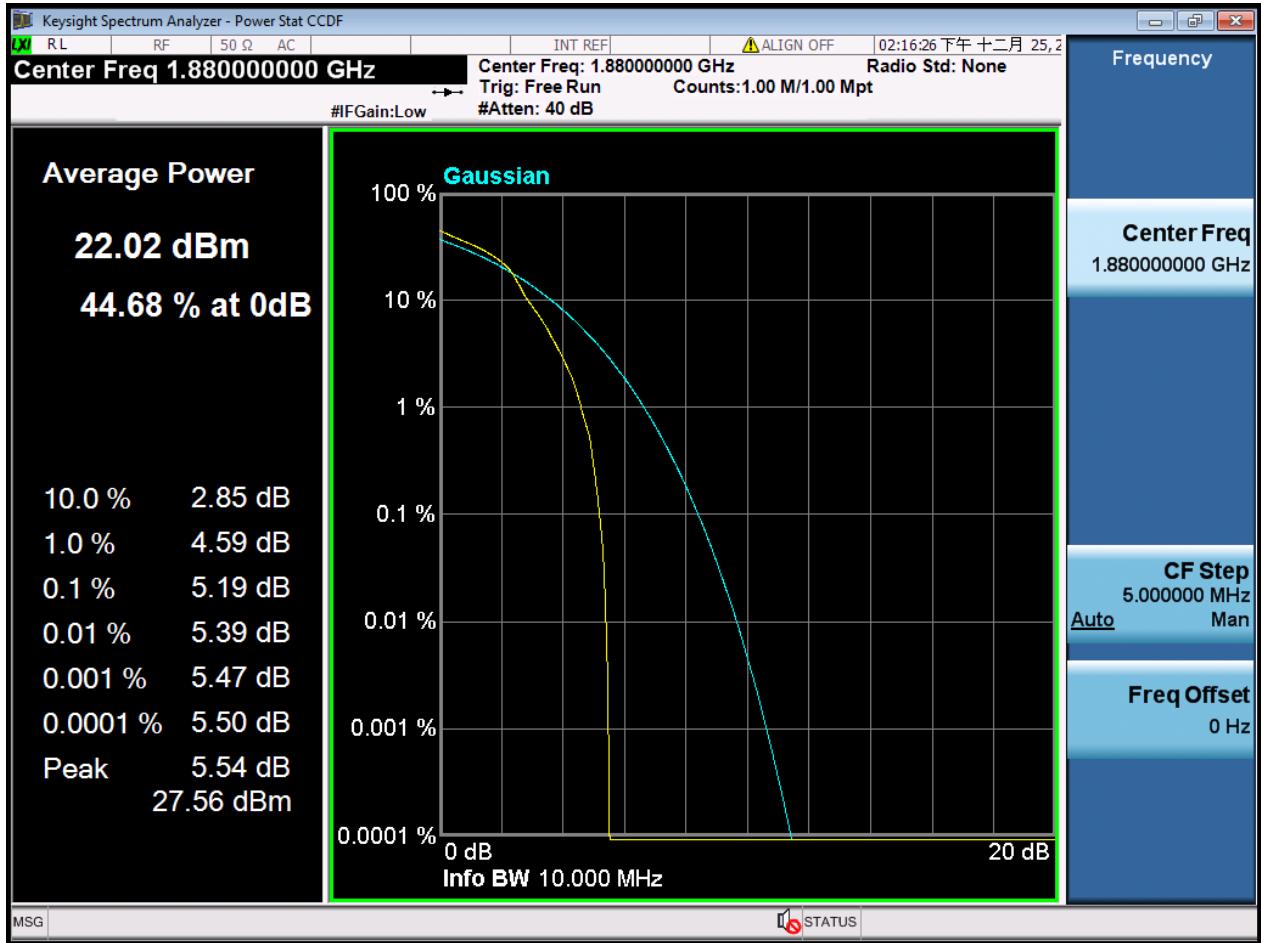
0.0001 % 0 dB 20 dB Info BW 10.000 MHz

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

MSG STATUS

1.50. 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 | 5.19 | 13 | Pass |



Average Power
22.02 dBm
44.68 % at 0dB

| | |
|----------|-----------|
| 10.0 % | 2.85 dB |
| 1.0 % | 4.59 dB |
| 0.1 % | 5.19 dB |
| 0.01 % | 5.39 dB |
| 0.001 % | 5.47 dB |
| 0.0001 % | 5.50 dB |
| Peak | 5.54 dB |
| | 27.56 dBm |

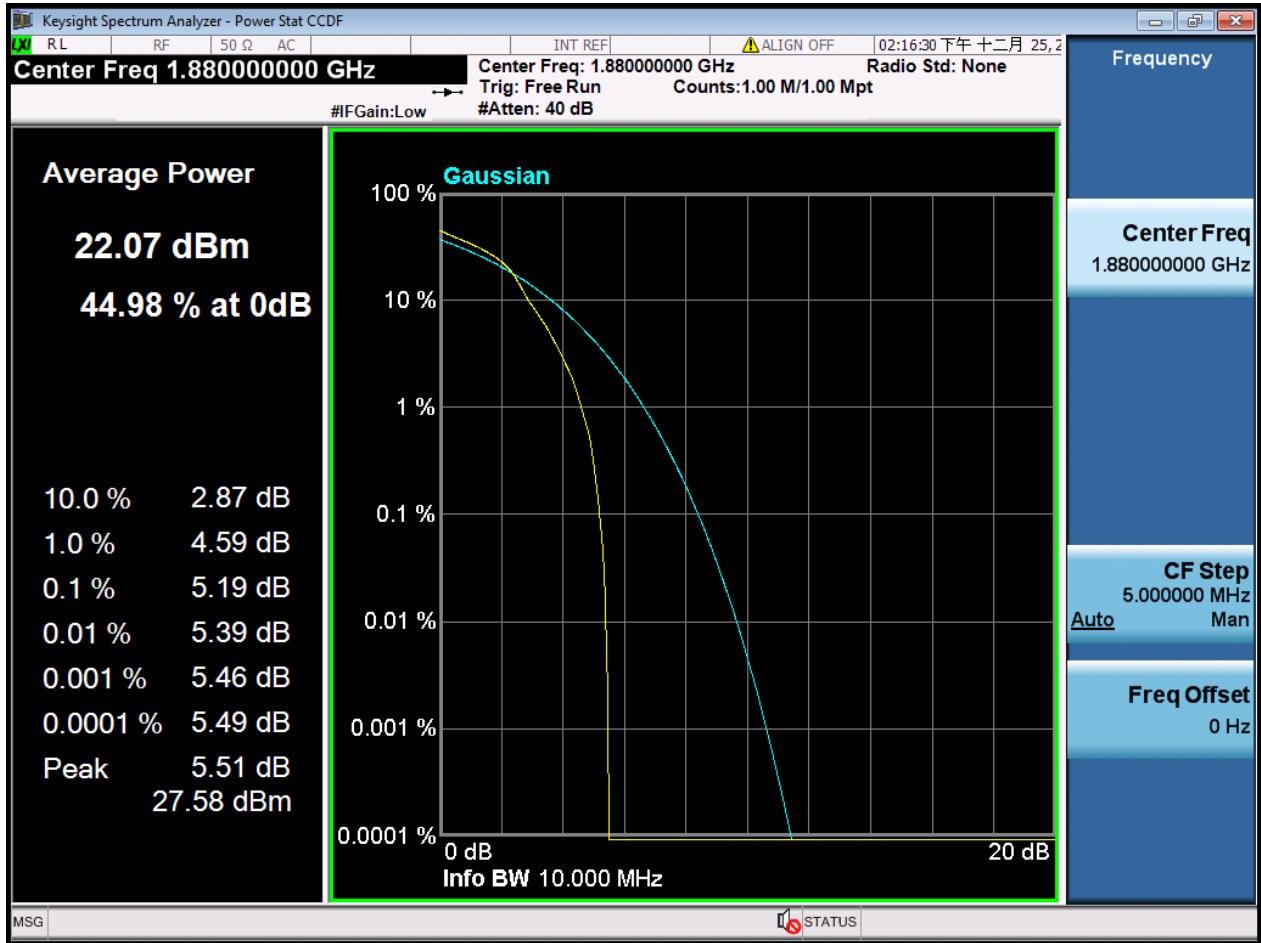
Gaussian

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

1.51. 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 | 5.19 | 13 | Pass |



Average Power
22.07 dBm
44.98 % at 0dB

| | |
|----------|-----------|
| 10.0 % | 2.87 dB |
| 1.0 % | 4.59 dB |
| 0.1 % | 5.19 dB |
| 0.01 % | 5.39 dB |
| 0.001 % | 5.46 dB |
| 0.0001 % | 5.49 dB |
| Peak | 5.51 dB |
| | 27.58 dBm |

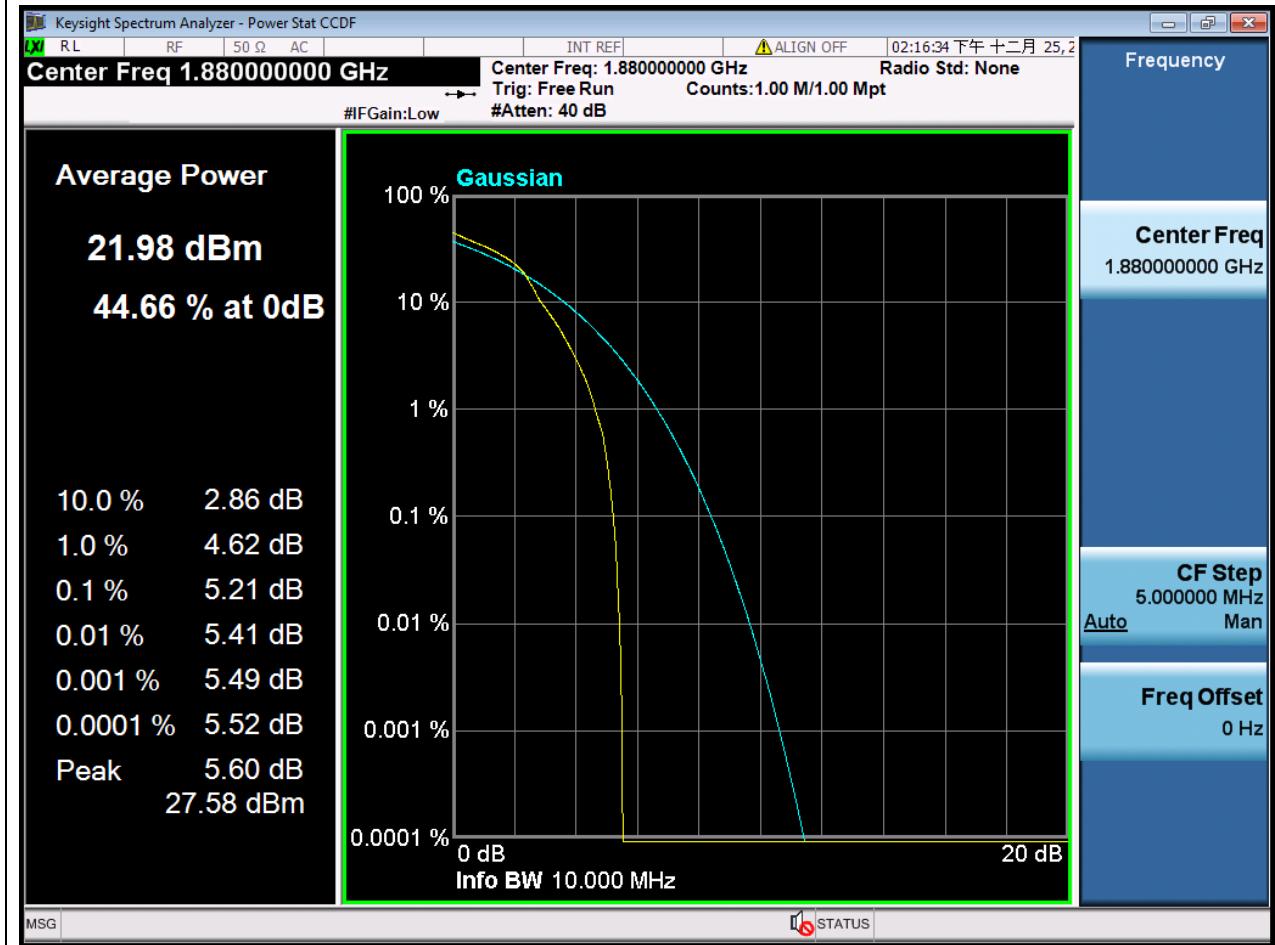
Center Freq 1.880000000 GHz Center Freq: 1.880000000 GHz Radio Std: None
Trig: Free Run Counts: 1.00 M/1.00 Mpt
#IFGain:Low #Atten: 40 dB

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

MSG STATUS

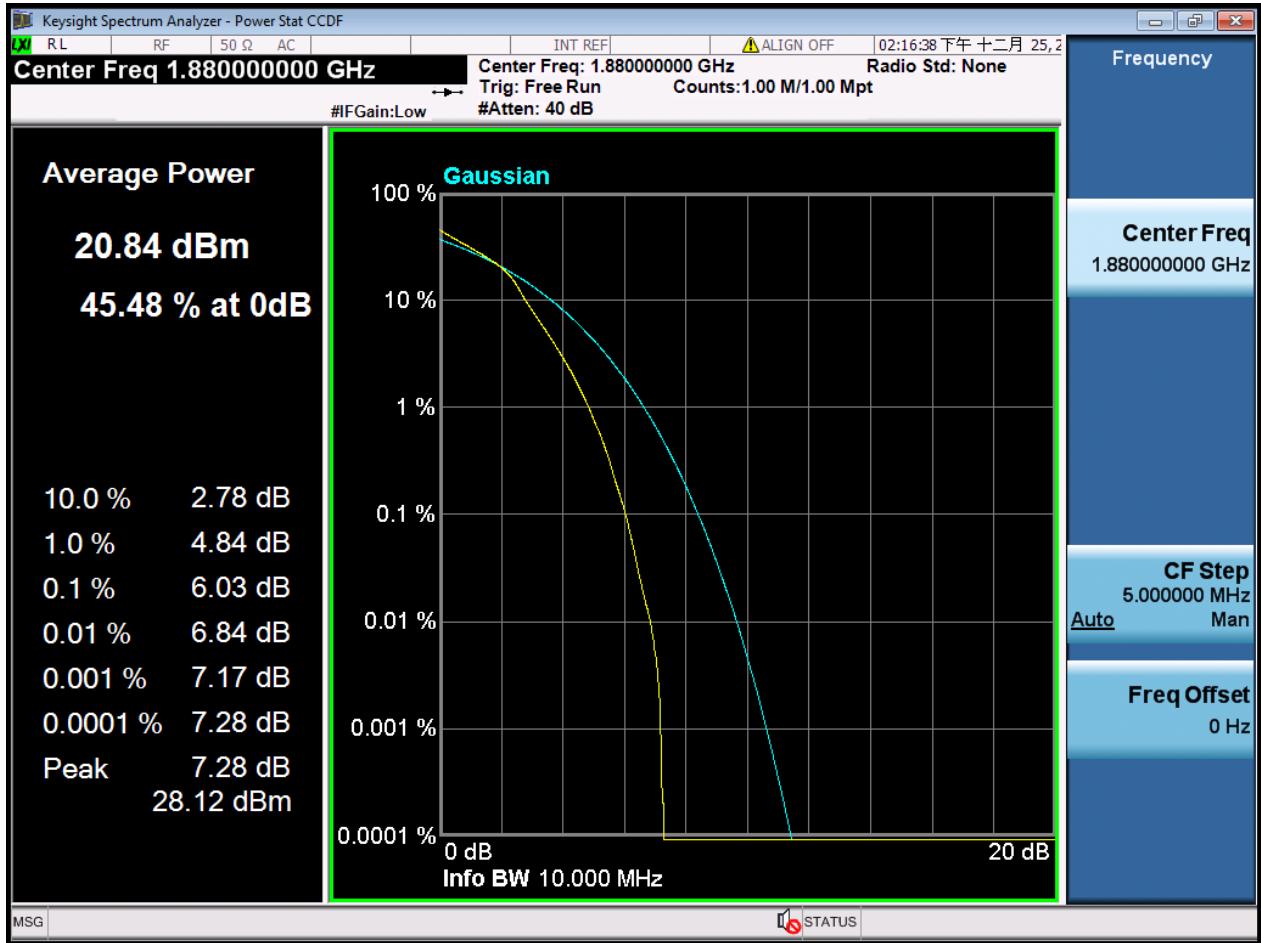
1.52. LTE Peak to Average Ratio(NTNV)(Subtest:52, Channel:18900, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:HIGH)

| Center Frequency(MHz) | PAR Percent (%) | PAR (dB) | Upper Limit (dB) | Verdict |
|-----------------------|-----------------|----------|------------------|---------|
| 1880 | 0.1 | 5.21 | 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 | 6.03 | 13 | Pass |



Average Power
20.84 dBm
45.48 % at 0dB

| | |
|----------|-----------|
| 10.0 % | 2.78 dB |
| 1.0 % | 4.84 dB |
| 0.1 % | 6.03 dB |
| 0.01 % | 6.84 dB |
| 0.001 % | 7.17 dB |
| 0.0001 % | 7.28 dB |
| Peak | 7.28 dB |
| | 28.12 dBm |

MSG STATUS

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 | 5.98 | 13 | Pass |

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 02:16:42 下午 十二月 25, 2018

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 20.81 dBm
45.51 % at 0dB

10.0 % 2.78 dB
1.0 % 4.82 dB
0.1 % 5.98 dB
0.01 % 6.78 dB
0.001 % 7.04 dB
0.0001 % 7.11 dB
Peak 7.14 dB
27.95 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

1.55. 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 | 6.08 | 13 | Pass |

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 02:16:47 下午 十二月 25, 2018

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
20.77 dBm
45.45 % at 0dB

10.0 % 2.78 dB
1.0 % 4.85 dB
0.1 % 6.08 dB
0.01 % 6.89 dB
0.001 % 7.18 dB
0.0001 % 7.26 dB
Peak 7.26 dB
28.03 dBm

Gaussian



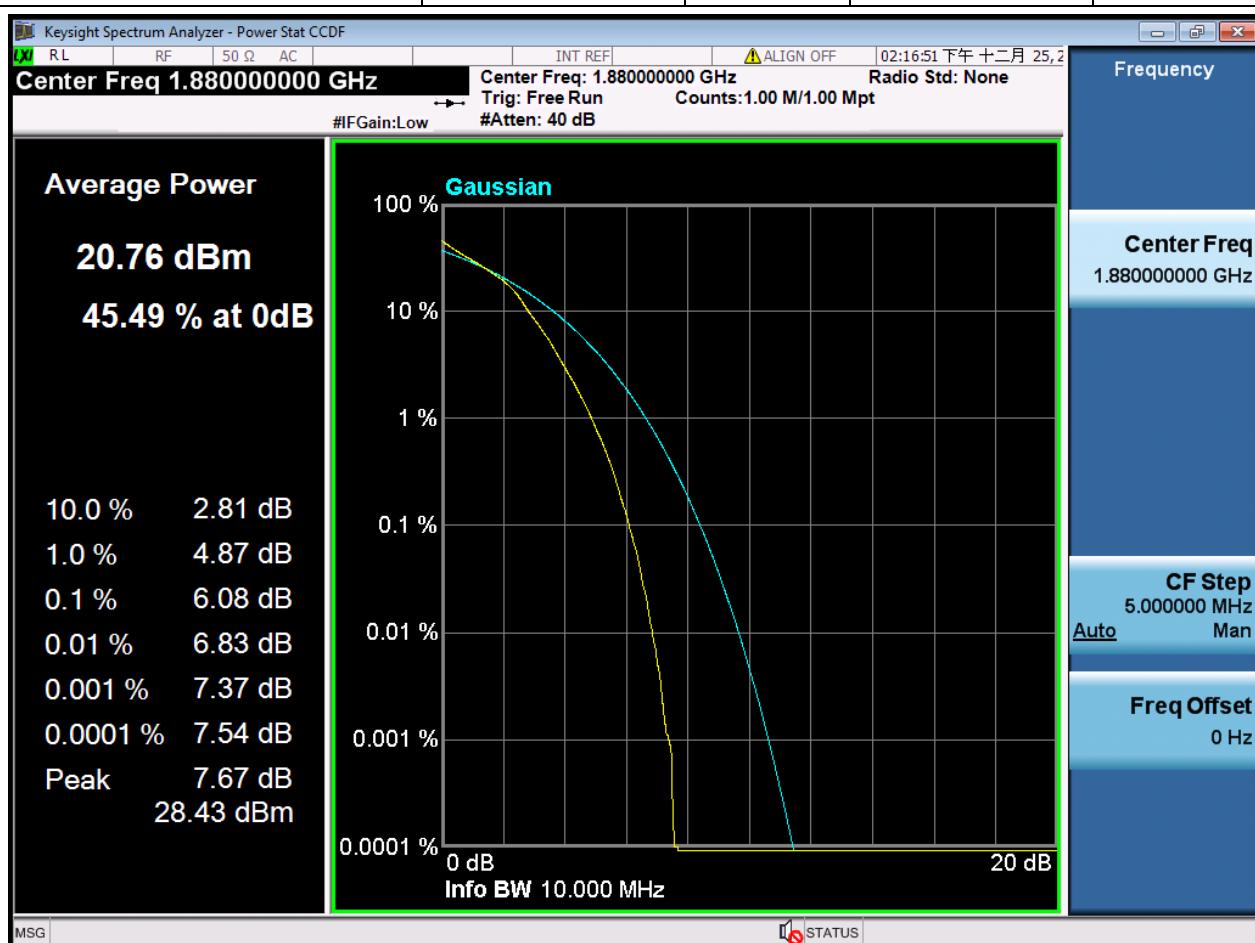
0.0001 % 0 dB 20 dB
Info BW 10.000 MHz

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

MSG STATUS

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 | 6.08 | 13 | Pass |

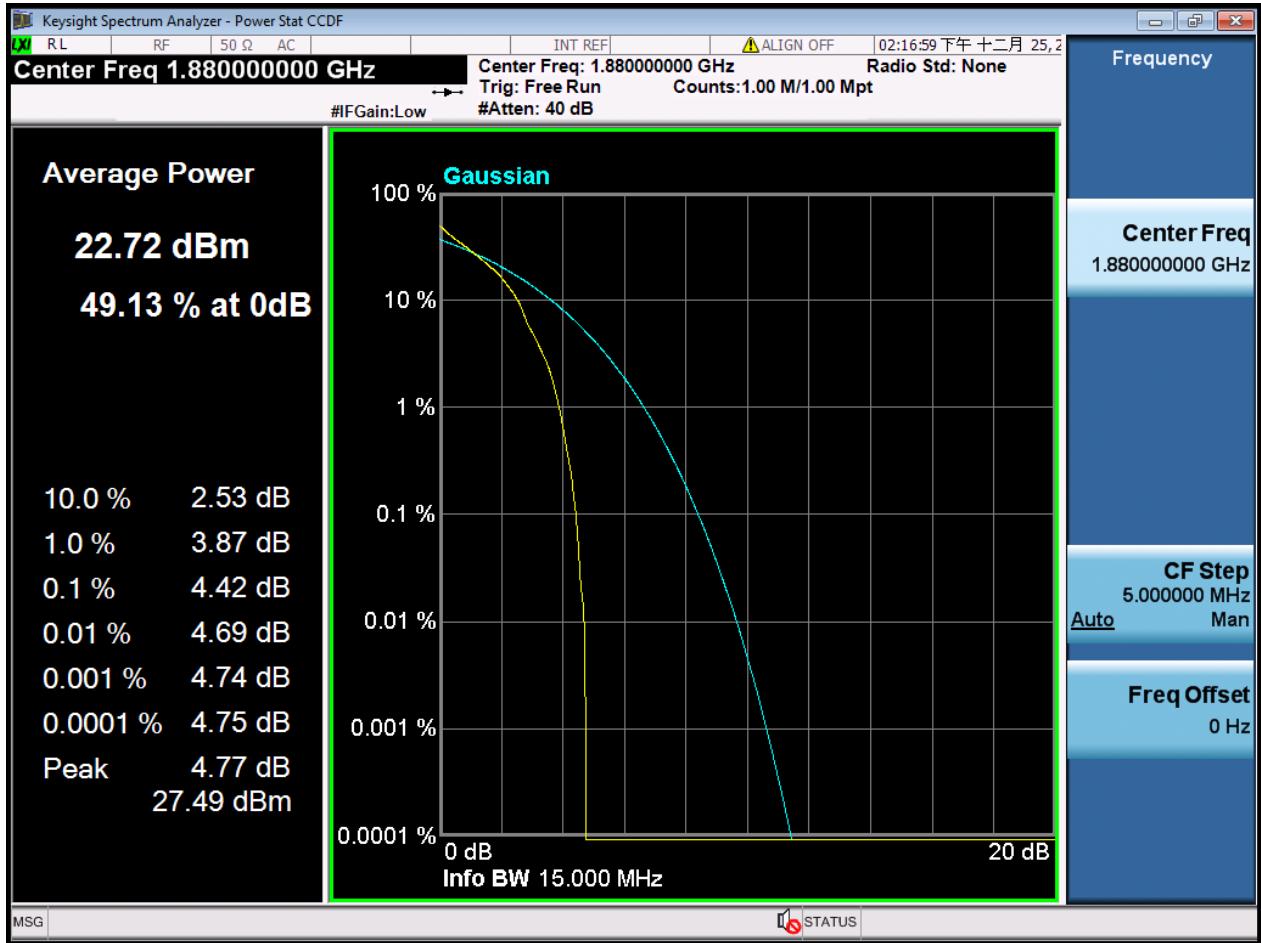


Average Power
20.76 dBm
45.49 % at 0dB

| | |
|----------|-----------|
| 10.0 % | 2.81 dB |
| 1.0 % | 4.87 dB |
| 0.1 % | 6.08 dB |
| 0.01 % | 6.83 dB |
| 0.001 % | 7.37 dB |
| 0.0001 % | 7.54 dB |
| Peak | 7.67 dB |
| | 28.43 dBm |

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 | 4.42 | 13 | Pass |



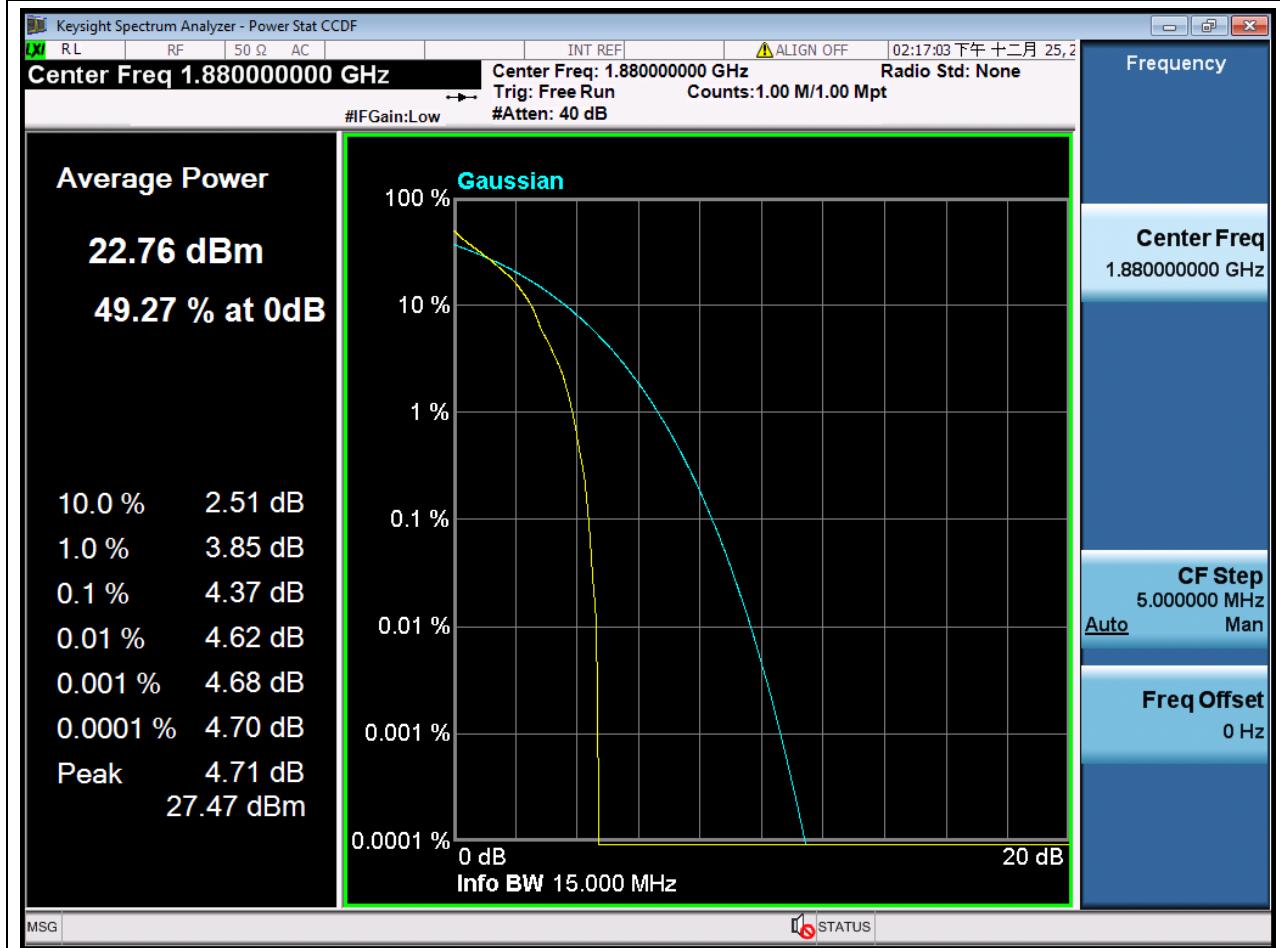
Average Power
22.72 dBm
49.13 % at 0dB

| | |
|----------|-----------|
| 10.0 % | 2.53 dB |
| 1.0 % | 3.87 dB |
| 0.1 % | 4.42 dB |
| 0.01 % | 4.69 dB |
| 0.001 % | 4.74 dB |
| 0.0001 % | 4.75 dB |
| Peak | 4.77 dB |
| | 27.49 dBm |

MSG STATUS

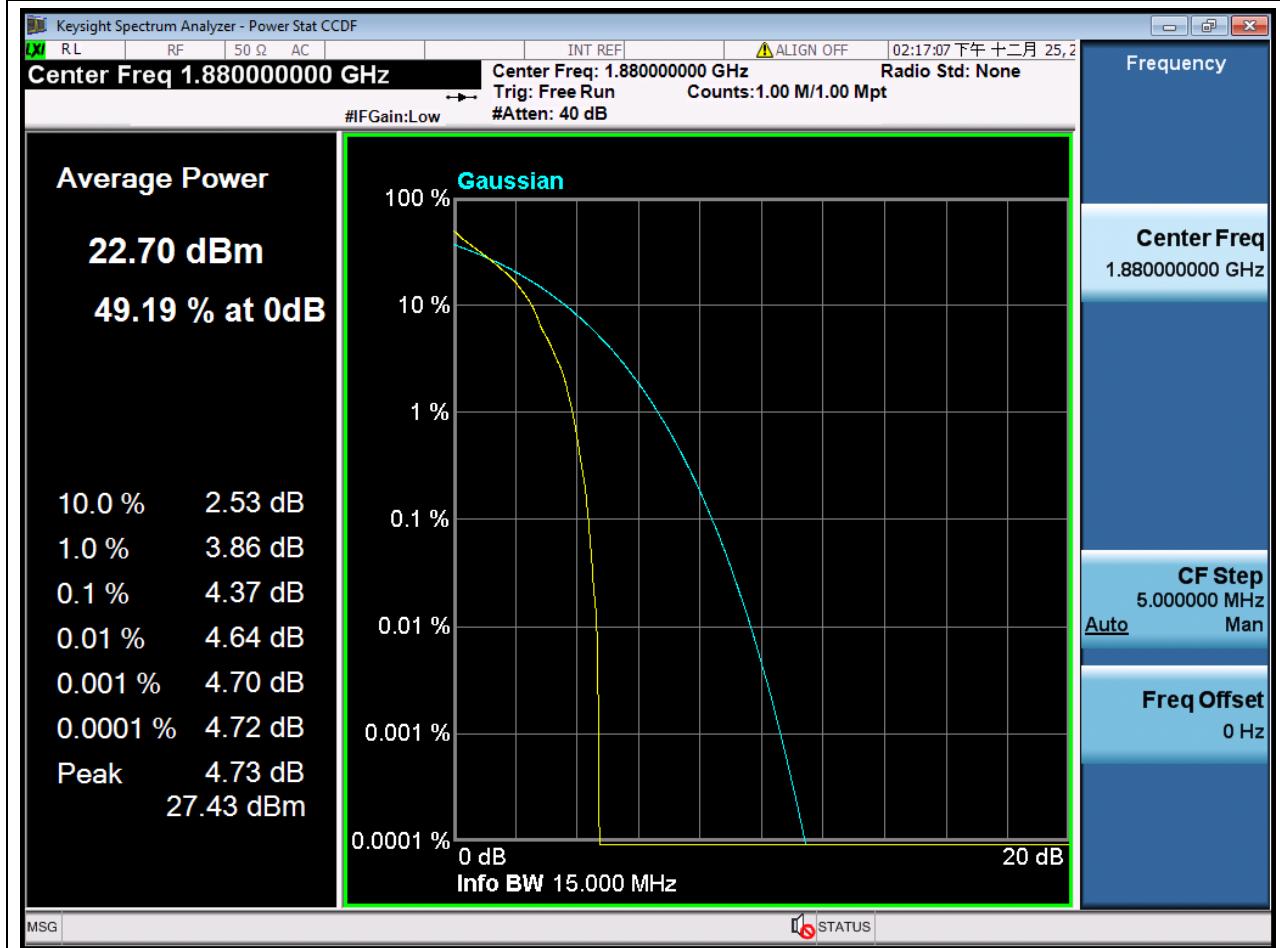
1.58. LTE Peak to Average Ratio(NTNV)(Subtest:58, Channel:18900, Bandwidth:15, Modulation:QPSK, RB Number: 1, RB Position:MID)

| Center Frequency(MHz) | PAR Percent (%) | PAR (dB) | Upper Limit (dB) | Verdict |
|-----------------------|-----------------|----------|------------------|---------|
| 1880 | 0.1 | 4.37 | 13 | Pass |



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 | 4.37 | 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 | 5.18 | 13 | Pass |

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 02:17:11 下午 十二月 25, 2018

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 21.90 dBm
47.59 % at 0dB

10.0 % 2.42 dB
1.0 % 4.30 dB
0.1 % 5.19 dB
0.01 % 5.74 dB
0.001 % 6.05 dB
0.0001 % 6.27 dB
Peak 6.30 dB
28.20 dBm

Gaussian



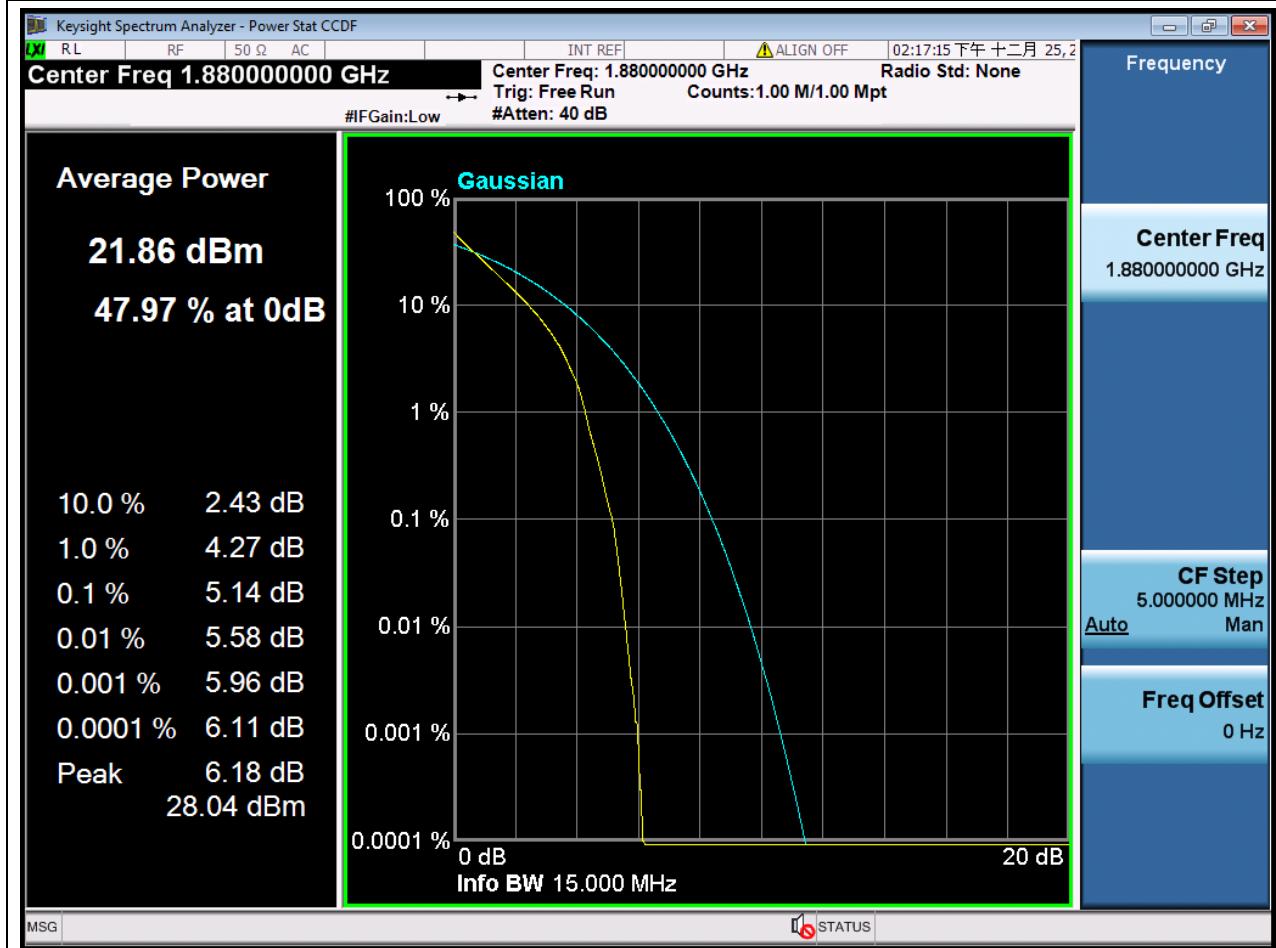
0.0001 % 0 dB 20 dB
Info BW 15.000 MHz

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

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 | 5.14 | 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 | 5.26 | 13 | Pass |

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 02:17:19 下午 十二月 25, 2018

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
21.85 dBm
47.56 % at 0dB

10.0 % 2.43 dB
1.0 % 4.32 dB
0.1 % 5.26 dB
0.01 % 5.78 dB
0.001 % 6.19 dB
0.0001 % 6.36 dB
Peak 6.36 dB
28.21 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

MSG STATUS

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 | 5.68 | 13 | Pass |

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 02:17:23 下午 十二月 25, 2018

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 21.87 dBm
47.14 % at 0dB

10.0 % 2.41 dB
1.0 % 4.55 dB
0.1 % 5.68 dB
0.01 % 6.14 dB
0.001 % 6.64 dB
0.0001 % 6.83 dB
Peak 6.86 dB
28.73 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

MSG STATUS

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 | 5.27 | 13 | Pass |

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 02:17:27 下午 十二月 25, 2018

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

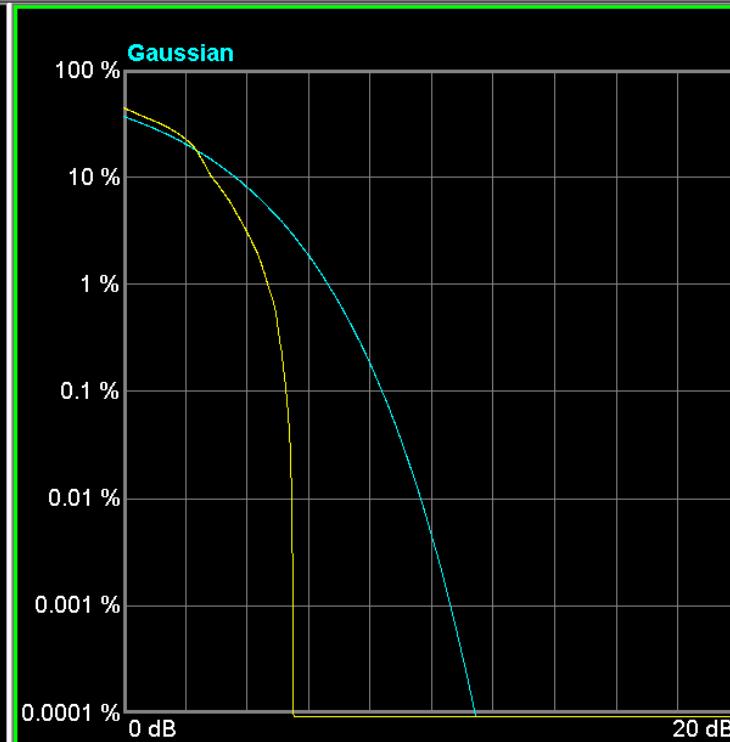
Trig: Free Run Counts: 1.00 M/1.00 Mpt

#IFGain:Low #Atten: 40 dB

Average Power
21.96 dBm
44.43 % at 0dB

10.0 % 2.87 dB
1.0 % 4.67 dB
0.1 % 5.27 dB
0.01 % 5.45 dB
0.001 % 5.50 dB
0.0001 % 5.51 dB
Peak 5.54 dB
27.50 dBm

Gaussian



Info BW 15.000 MHz

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

MSG STATUS

1.65. 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 | 5.24 | 13 | Pass |

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 02:17:31 下午 十二月 25, 2018

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
21.96 dBm
44.57 % at 0dB

10.0 % 2.87 dB
1.0 % 4.63 dB
0.1 % 5.24 dB
0.01 % 5.44 dB
0.001 % 5.50 dB
0.0001 % 5.53 dB
Peak 5.65 dB
27.61 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

1.66. 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 | 5.21 | 13 | Pass |

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 02:17:35 下午 十二月 25, 2018

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
21.96 dBm
44.55 % at 0dB

10.0 % 2.86 dB
1.0 % 4.61 dB
0.1 % 5.21 dB
0.01 % 5.39 dB
0.001 % 5.44 dB
0.0001 % 5.48 dB
Peak 5.50 dB
27.46 dBm

Gaussian



Info BW 15.000 MHz

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

MSG STATUS

1.67. 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 | 5.96 | 13 | Pass |

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 02:17:39 下午 十二月 25, 2018

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
20.83 dBm
44.39 % at 0dB

10.0 % 2.96 dB
1.0 % 4.85 dB
0.1 % 5.96 dB
0.01 % 6.80 dB
0.001 % 7.24 dB
0.0001 % 7.33 dB
Peak 7.33 dB
28.16 dBm

Gaussian



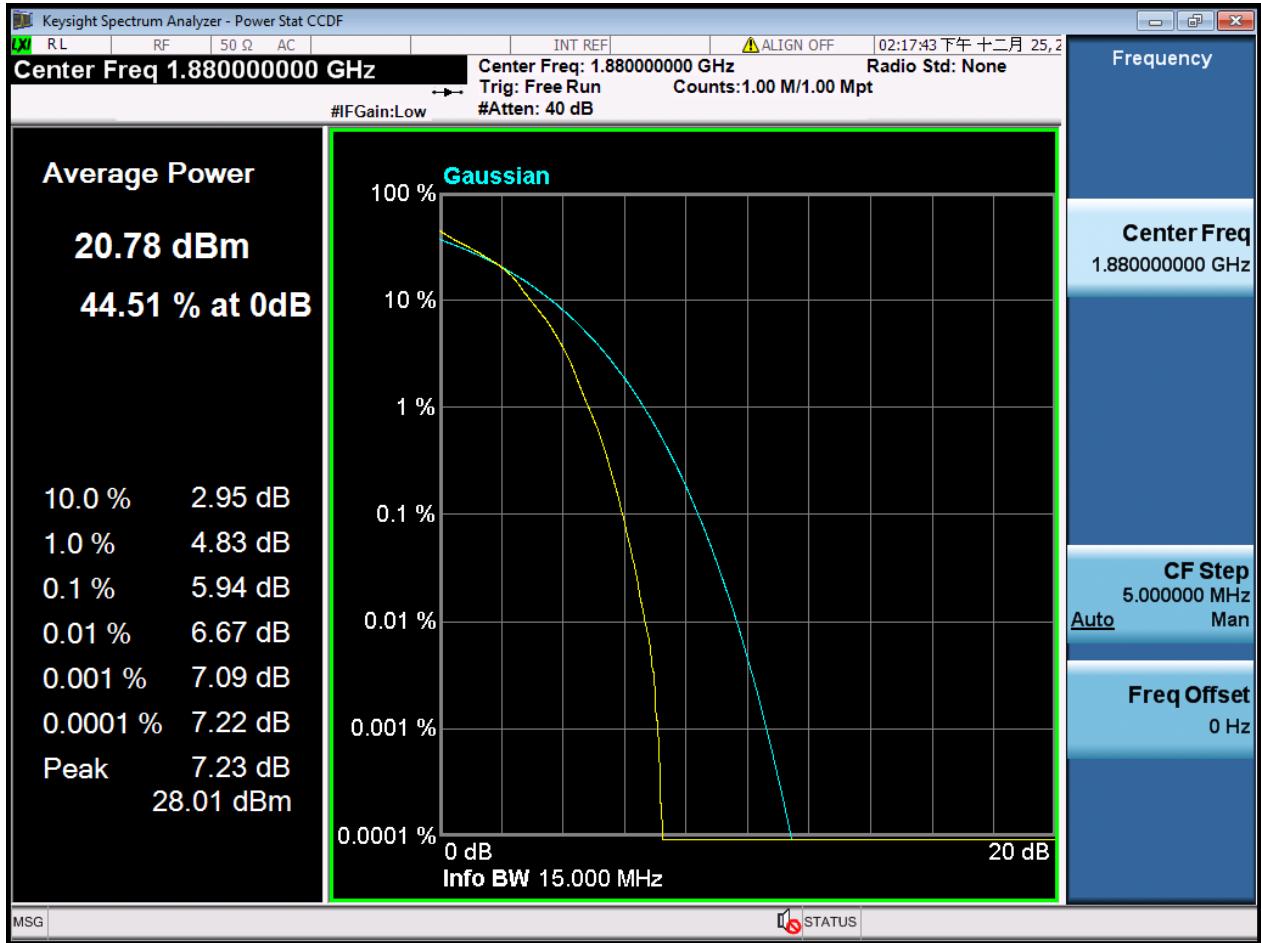
0.0001 % 0 dB 20 dB
Info BW 15.000 MHz

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

MSG STATUS

1.68. 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 | 5.94 | 13 | Pass |



Average Power
20.78 dBm
44.51 % at 0dB

| | |
|----------|-----------|
| 10.0 % | 2.95 dB |
| 1.0 % | 4.83 dB |
| 0.1 % | 5.94 dB |
| 0.01 % | 6.67 dB |
| 0.001 % | 7.09 dB |
| 0.0001 % | 7.22 dB |
| Peak | 7.23 dB |
| | 28.01 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

1.69. 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 | 6.02 | 13 | Pass |

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 02:17:47 下午 十二月 25, 2018

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 20.81 dBm
44.48 % at 0dB

10.0 % 2.96 dB
1.0 % 4.86 dB
0.1 % 6.02 dB
0.01 % 6.83 dB
0.001 % 7.23 dB
0.0001 % 7.39 dB
Peak 7.42 dB
28.23 dBm

Gaussian



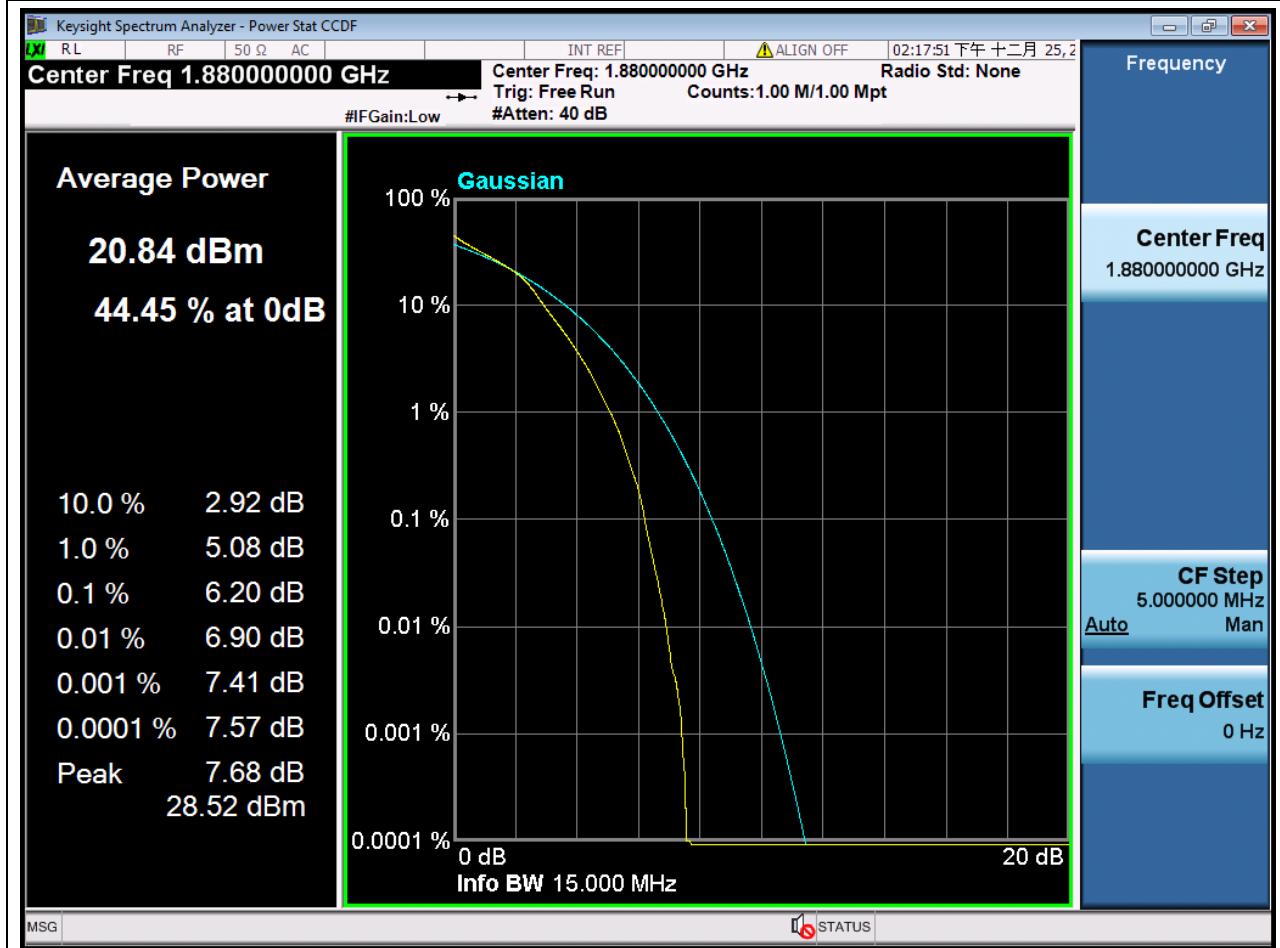
0.0001 % 0 dB 20 dB Info BW 15.000 MHz

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

MSG STATUS

1.70. 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 | 6.2 | 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 | 4.44 | 13 | Pass |

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 02:18:00 下午 十二月 25, 2018

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
22.65 dBm
48.52 % at 0dB

10.0 % 2.51 dB
1.0 % 3.84 dB
0.1 % 4.44 dB
0.01 % 4.75 dB
0.001 % 4.91 dB
0.0001 % 4.94 dB
Peak 4.96 dB
27.61 dBm

Gaussian



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

MSG STATUS

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 | 4.22 | 13 | Pass |

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 02:18:04 下午 十二月 25, 2018

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
22.89 dBm
49.01 % at 0dB

10.0 % 2.48 dB
1.0 % 3.72 dB
0.1 % 4.22 dB
0.01 % 4.54 dB
0.001 % 4.62 dB
0.0001 % 4.63 dB
Peak 4.64 dB
27.53 dBm

Gaussian



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

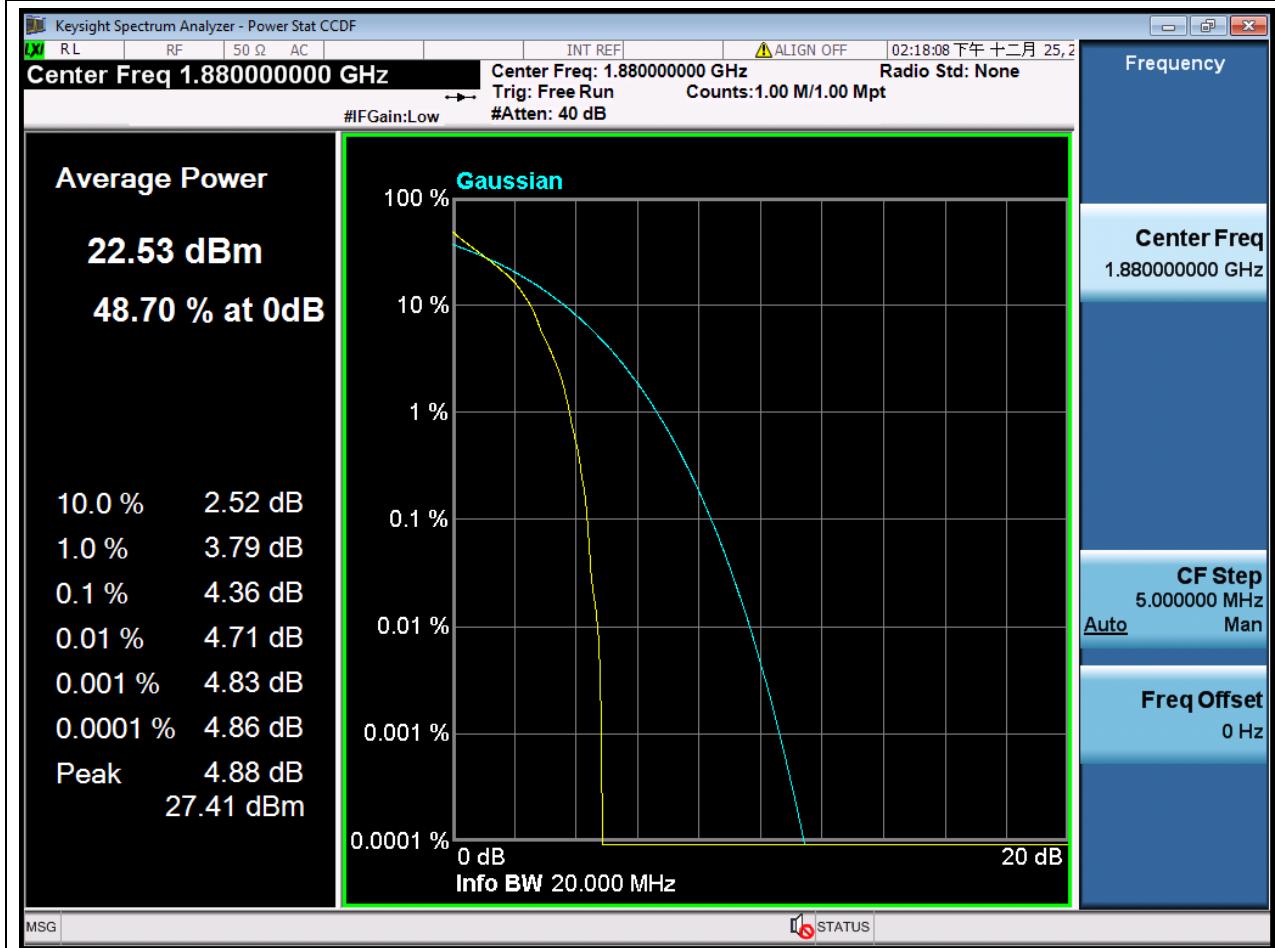
0 dB 20 dB

MSG STATUS

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

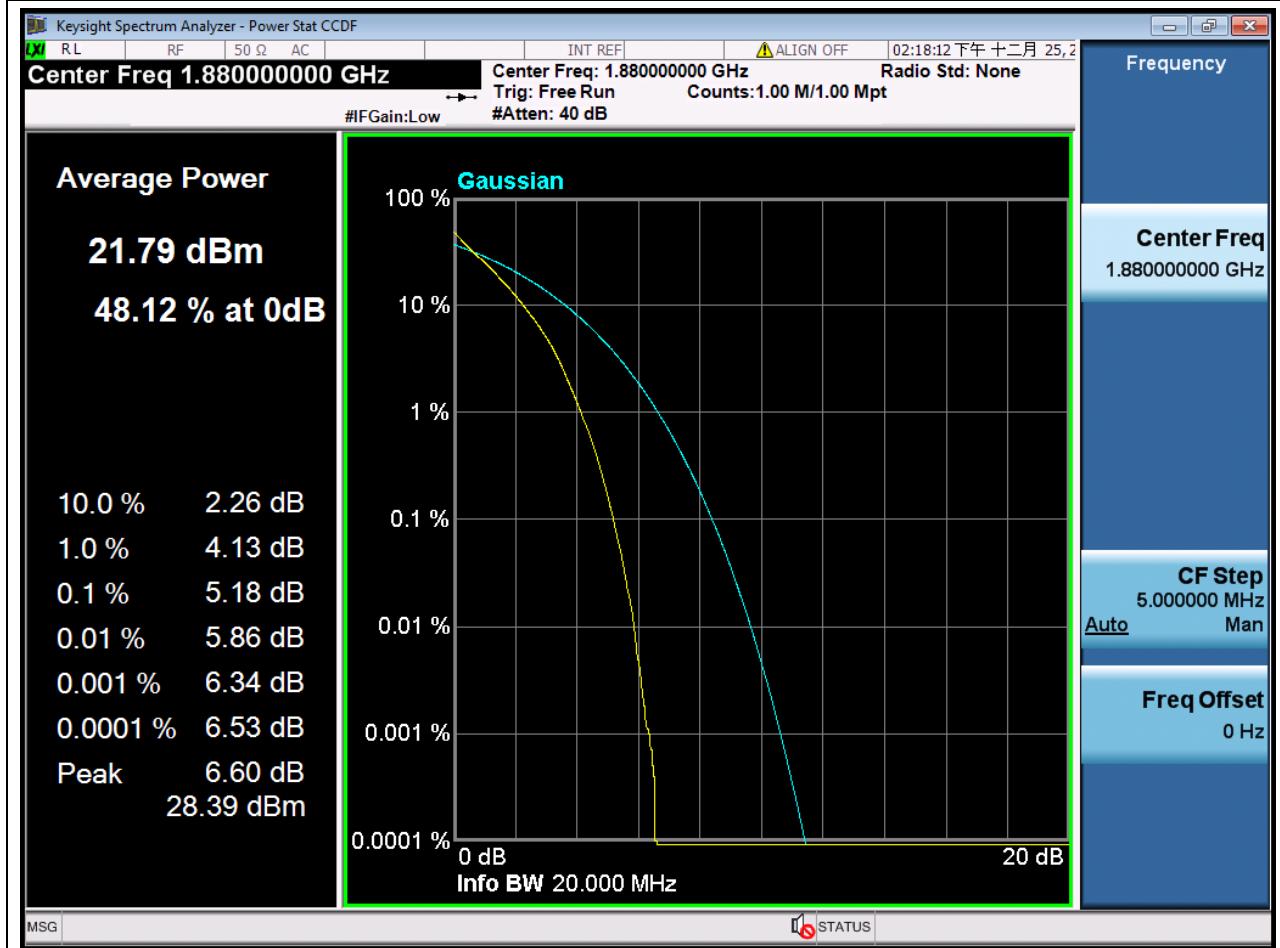
1.73. LTE Peak to Average Ratio(NTNV)(Subtest:73, Channel:18900, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

| Center Frequency(MHz) | PAR Percent (%) | PAR (dB) | Upper Limit (dB) | Verdict |
|-----------------------|-----------------|----------|------------------|---------|
| 1880 | 0.1 | 4.36 | 13 | Pass |



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 | 5.18 | 13 | Pass |



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 | 5.14 | 13 | Pass |

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 02:18:16 下午 十二月 25, 2018

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

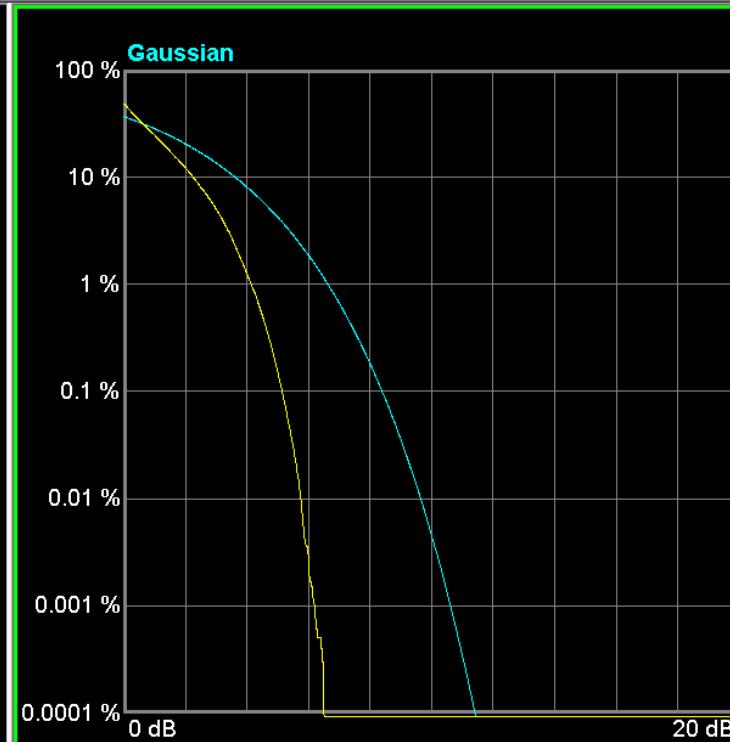
Trig: Free Run Counts: 1.00 M/1.00 Mpt

#IFGain:Low #Atten: 40 dB

Average Power
21.78 dBm
48.43 % at 0dB

10.0 % 2.26 dB
1.0 % 4.14 dB
0.1 % 5.14 dB
0.01 % 5.75 dB
0.001 % 6.19 dB
0.0001 % 6.50 dB
Peak 6.51 dB
28.29 dBm

Gaussian



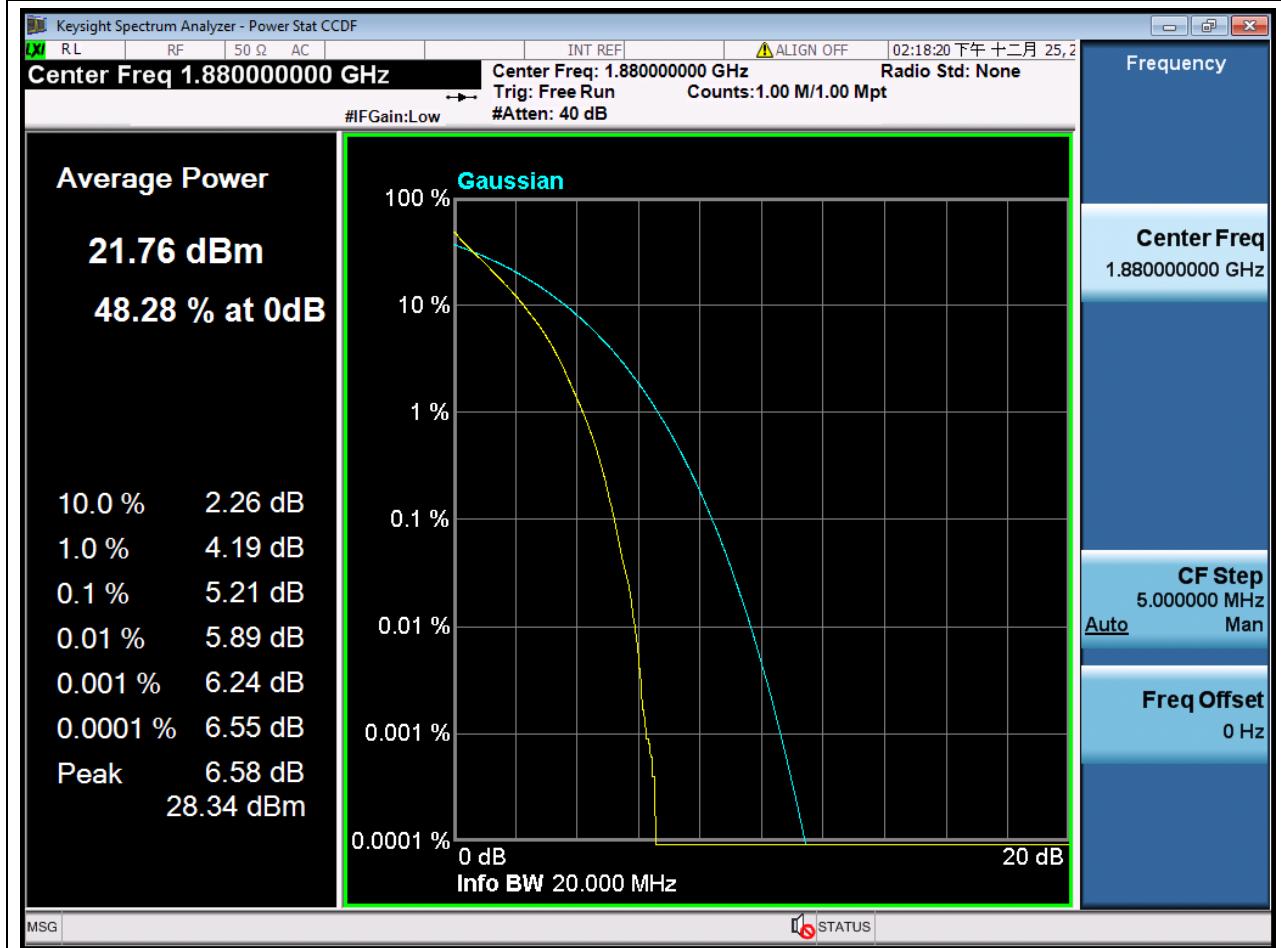
0.0001 % 0 dB 20 dB Info BW 20.000 MHz

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

MSG STATUS

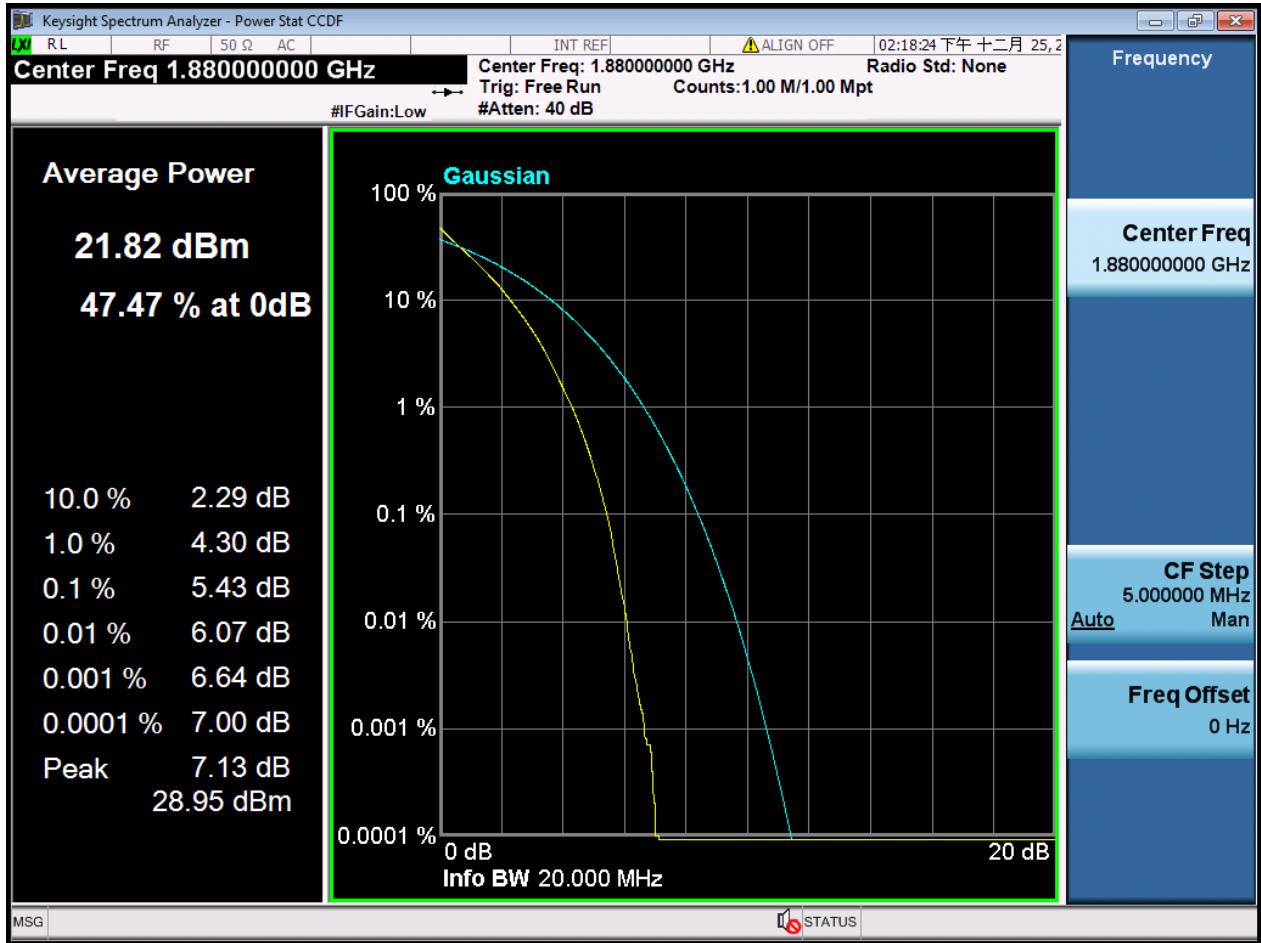
1.76. LTE Peak to Average Ratio(NTNV)(Subtest:76, Channel:18900, Bandwidth:20, Modulation:QPSK, RB Number: 50, RB Position:HIGH)

| Center Frequency(MHz) | PAR Percent (%) | PAR (dB) | Upper Limit (dB) | Verdict |
|-----------------------|-----------------|----------|------------------|---------|
| 1880 | 0.1 | 5.21 | 13 | Pass |



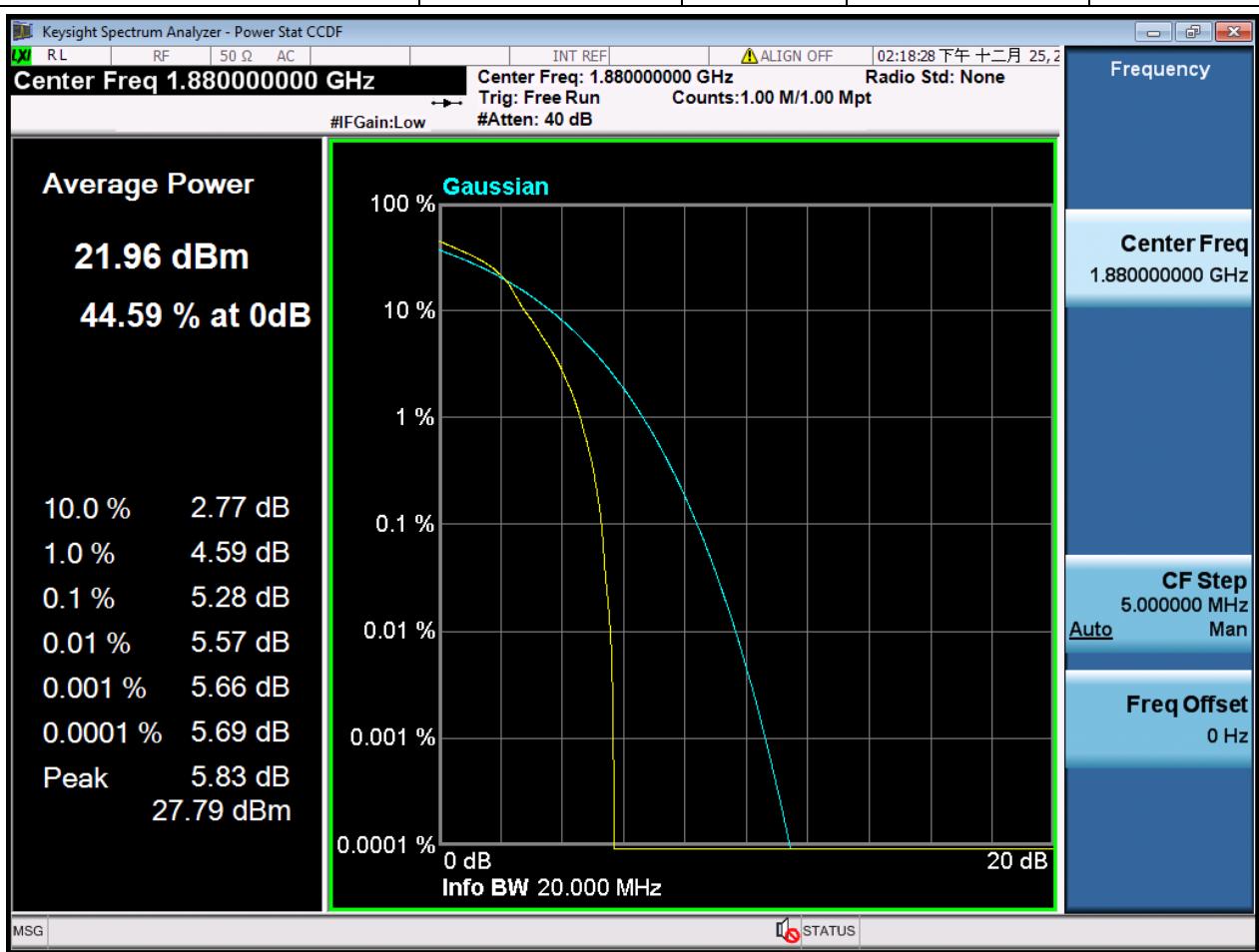
1.77. LTE Peak to Average Ratio(NTNV)(Subtest:77, Channel:18900, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)

| Center Frequency(MHz) | PAR Percent (%) | PAR (dB) | Upper Limit (dB) | Verdict |
|-----------------------|-----------------|----------|------------------|---------|
| 1880 | 0.1 | 5.43 | 13 | Pass |



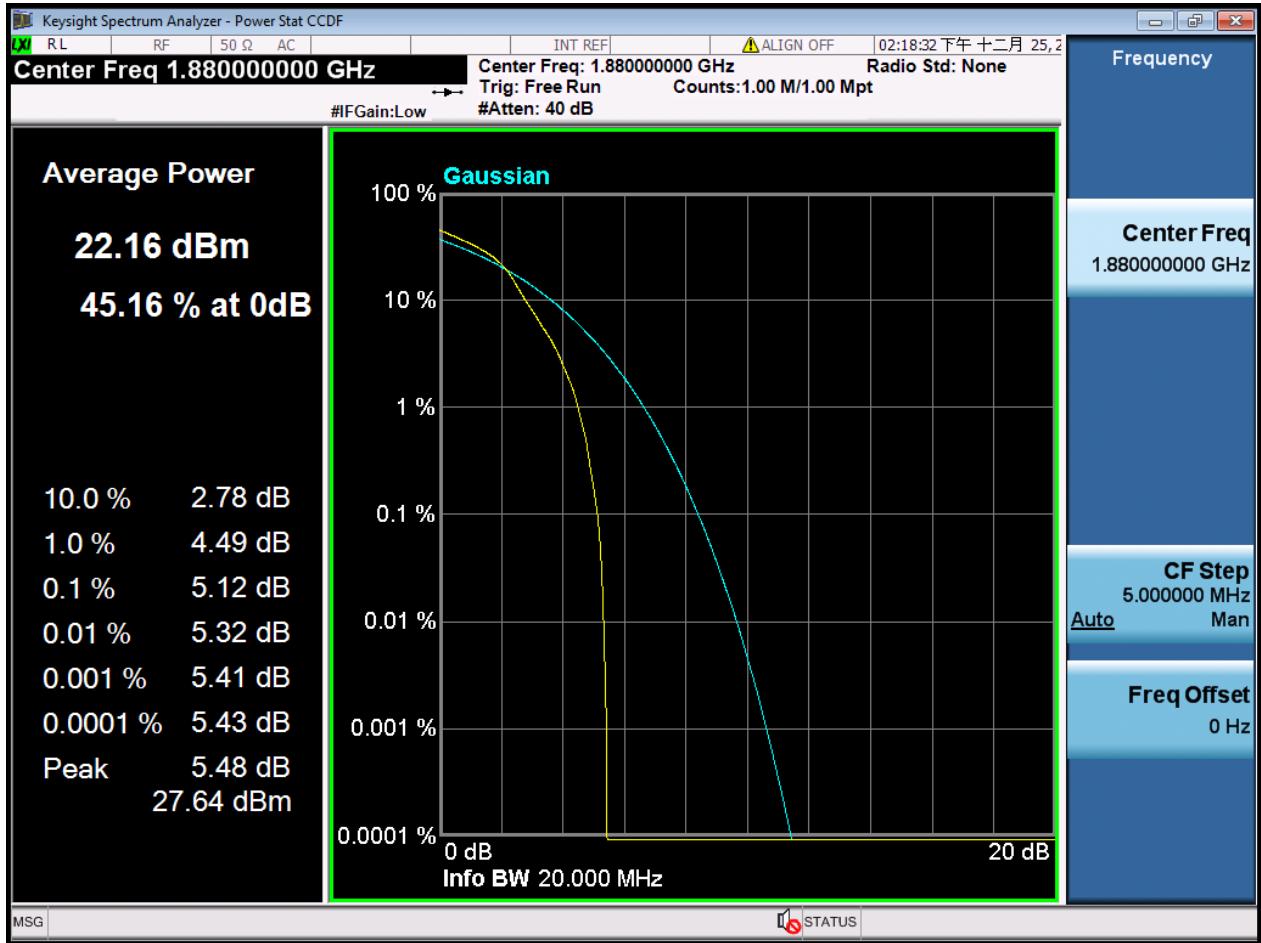
1.78. LTE Peak to Average Ratio(NTNV)(Subtest:78, Channel:18900, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)

| Center Frequency(MHz) | PAR Percent (%) | PAR (dB) | Upper Limit (dB) | Verdict |
|-----------------------|-----------------|----------|------------------|---------|
| 1880 | 0.1 | 5.28 | 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 | 5.12 | 13 | Pass |



Average Power
22.16 dBm
45.16 % at 0dB

| | |
|----------|-----------|
| 10.0 % | 2.78 dB |
| 1.0 % | 4.49 dB |
| 0.1 % | 5.12 dB |
| 0.01 % | 5.32 dB |
| 0.001 % | 5.41 dB |
| 0.0001 % | 5.43 dB |
| Peak | 5.48 dB |
| | 27.64 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

1.80. 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 | 5.22 | 13 | Pass |

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 02:18:36 下午 十二月 25, 2018

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
21.85 dBm
44.78 % at 0dB

10.0 % 2.77 dB
1.0 % 4.55 dB
0.1 % 5.22 dB
0.01 % 5.51 dB
0.001 % 5.59 dB
0.0001 % 5.62 dB
Peak 5.71 dB
27.56 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

1.81. 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 | 5.96 | 13 | Pass |

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 02:18:40 下午 十二月 25, 2018

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
20.81 dBm
45.32 % at 0dB

10.0 % 2.82 dB
1.0 % 4.79 dB
0.1 % 5.96 dB
0.01 % 6.63 dB
0.001 % 6.97 dB
0.0001 % 7.16 dB
Peak 7.24 dB
28.05 dBm

Gaussian



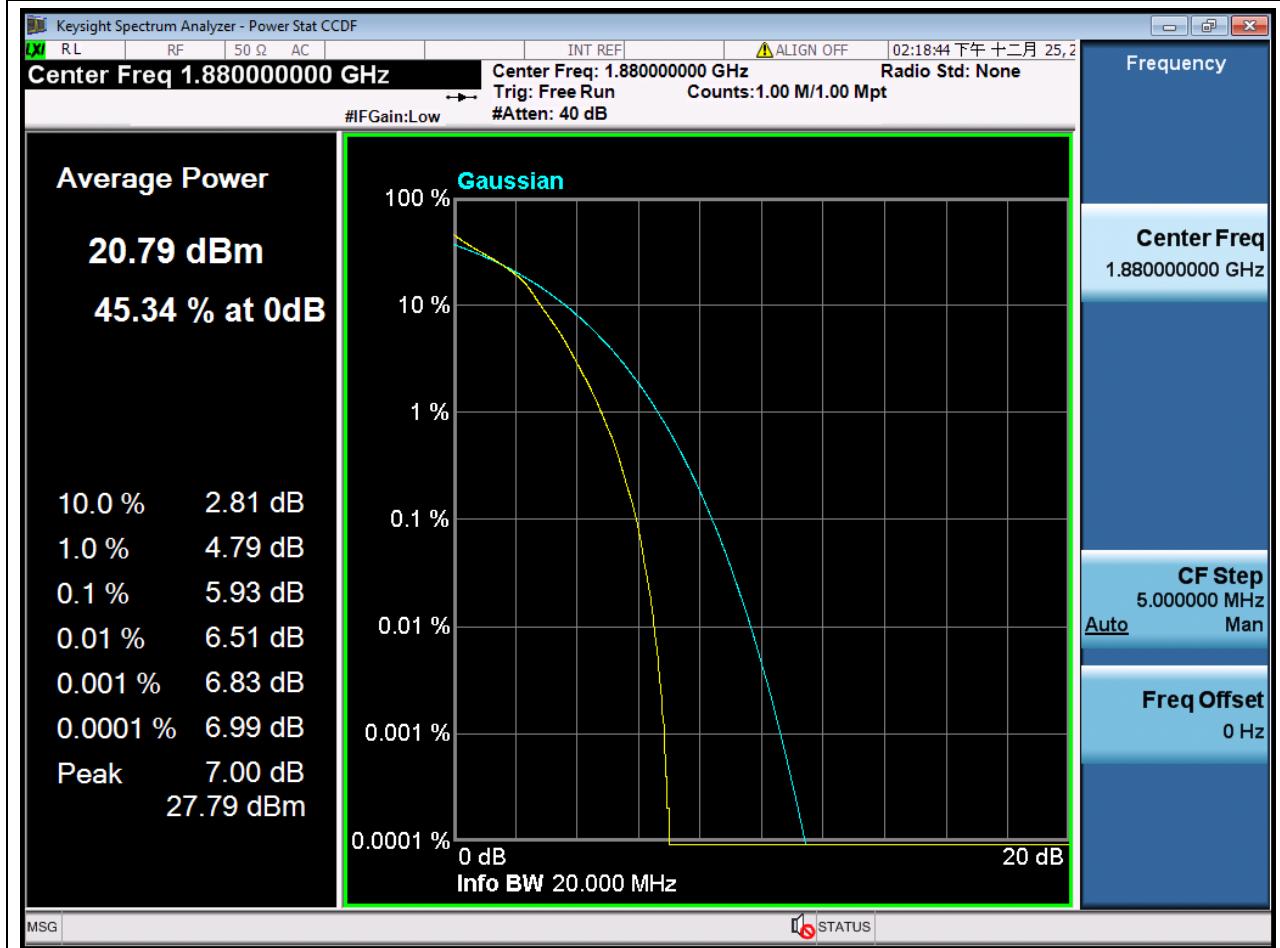
0.0001 % 0 dB 20 dB Info BW 20.000 MHz

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

MSG STATUS

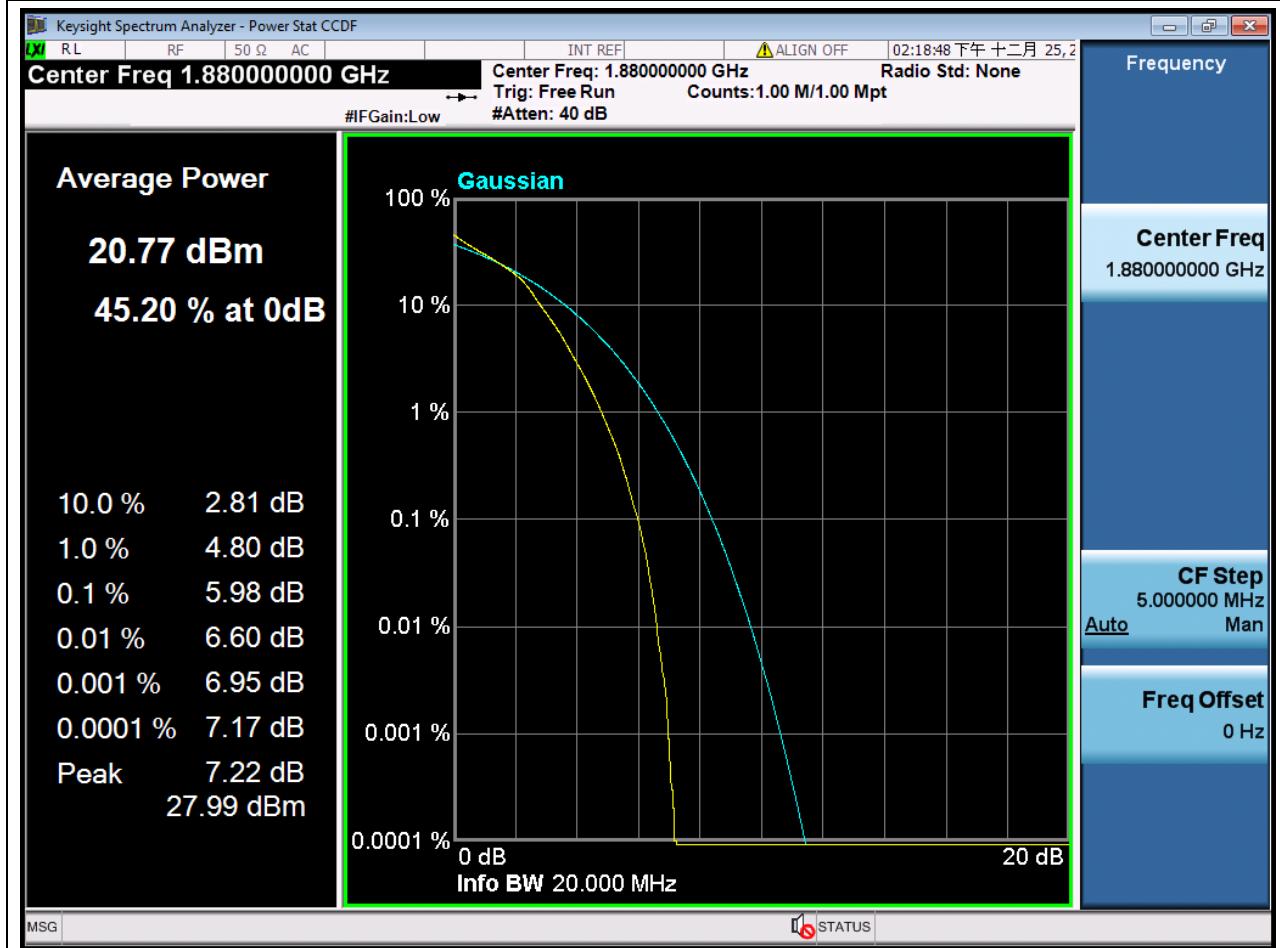
1.82. LTE Peak to Average Ratio(NTNV)(Subtest:82, Channel:18900, Bandwidth:20, Modulation:Q16, RB Number: 50, RB Position:MID)

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



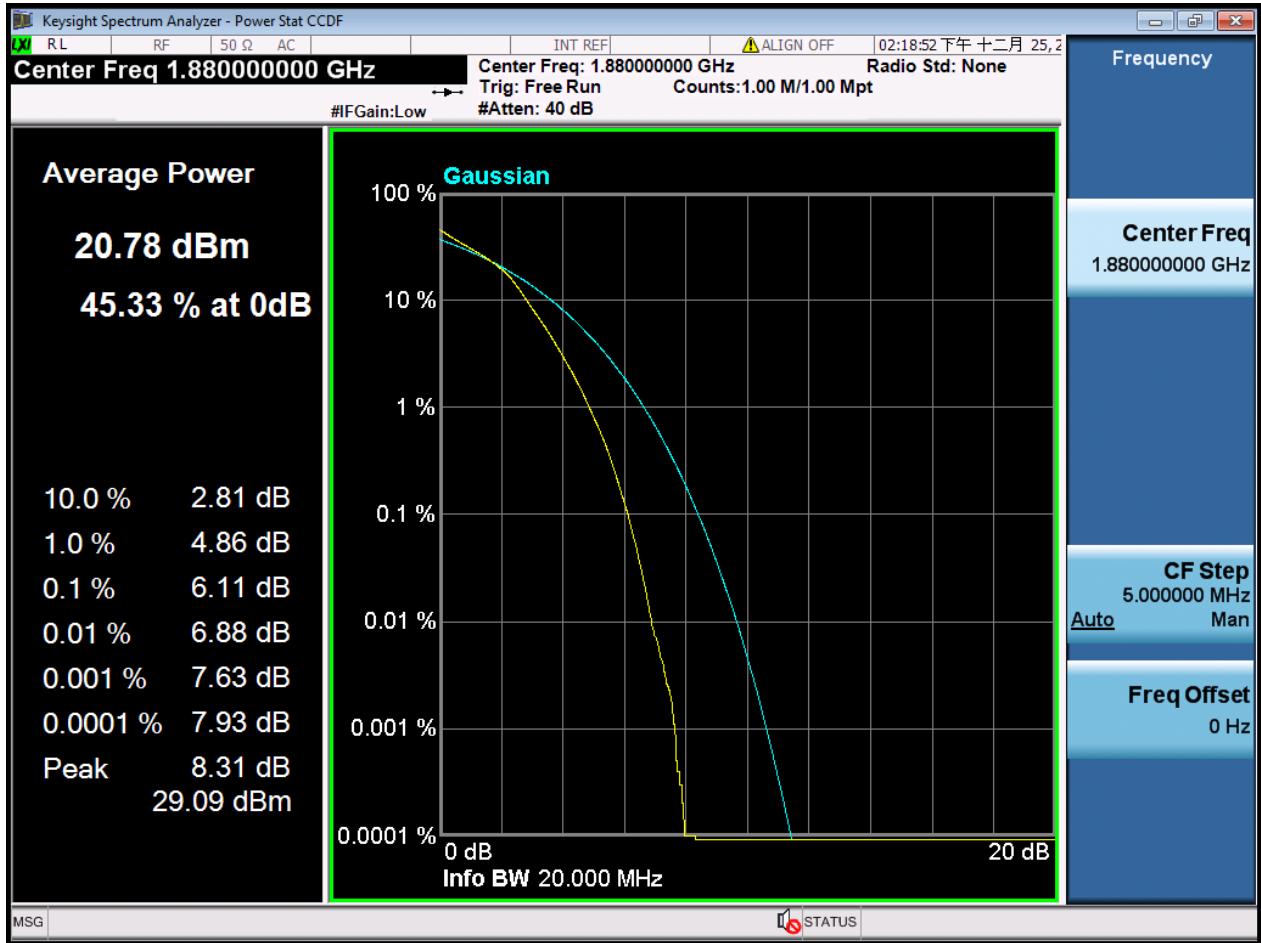
1.83. LTE Peak to Average Ratio(NTNV)(Subtest:83, Channel:18900, Bandwidth:20, Modulation:Q16, RB Number: 50, RB Position:HIGH)

| Center Frequency(MHz) | PAR Percent (%) | PAR (dB) | Upper Limit (dB) | Verdict |
|-----------------------|-----------------|----------|------------------|---------|
| 1880 | 0.1 | 5.98 | 13 | Pass |



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 | 6.11 | 13 | Pass |



Average Power
20.78 dBm
45.33 % at 0dB

| | |
|----------|-----------|
| 10.0 % | 2.81 dB |
| 1.0 % | 4.86 dB |
| 0.1 % | 6.11 dB |
| 0.01 % | 6.88 dB |
| 0.001 % | 7.63 dB |
| 0.0001 % | 7.93 dB |
| Peak | 8.31 dB |
| | 29.09 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
Auto
Freq Offset 0 Hz

END