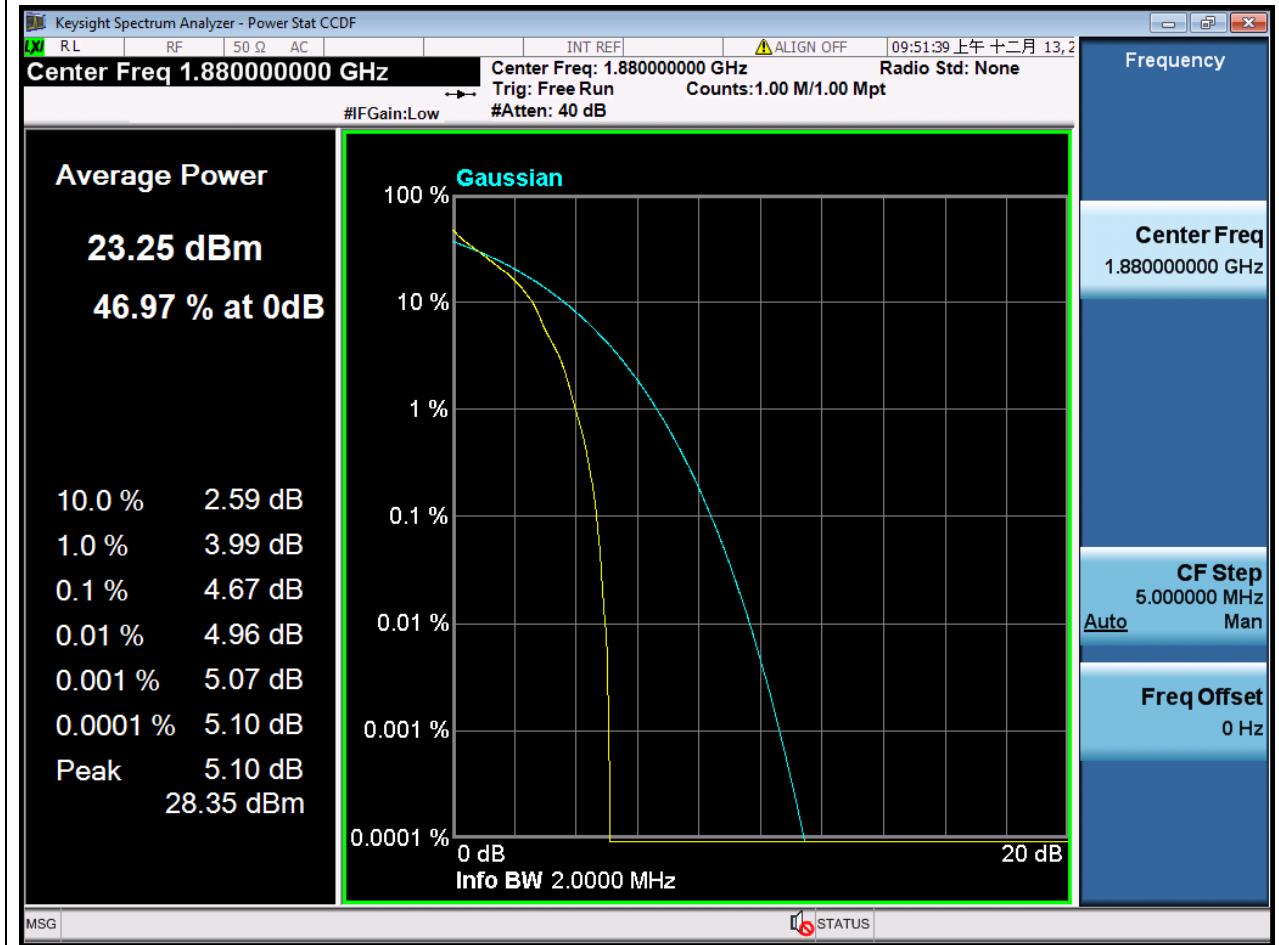


## Annex B. LTE Peak to Average Ratio

## 1. LTE\_Band2

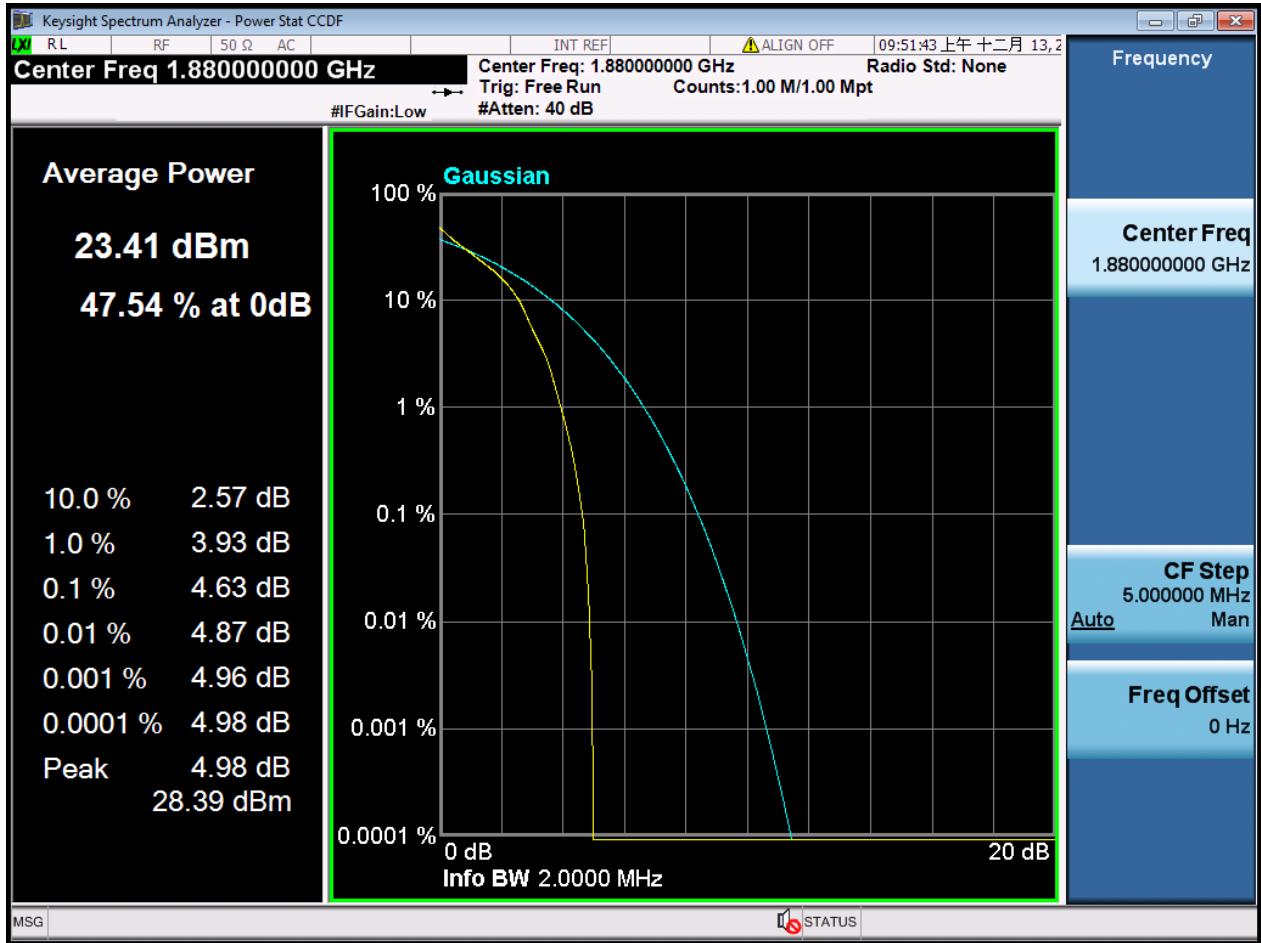
**1.1. LTE Peak to Average Ratio(NTNV)(Subtest:1, Channel:18900, Bandwidth:1.4, Modulation:QPSK, RB Number: 1, RB Position:LOW)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	4.67	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	4.63	13	Pass



**Average Power**  
**23.41 dBm**  
**47.54 % at 0dB**

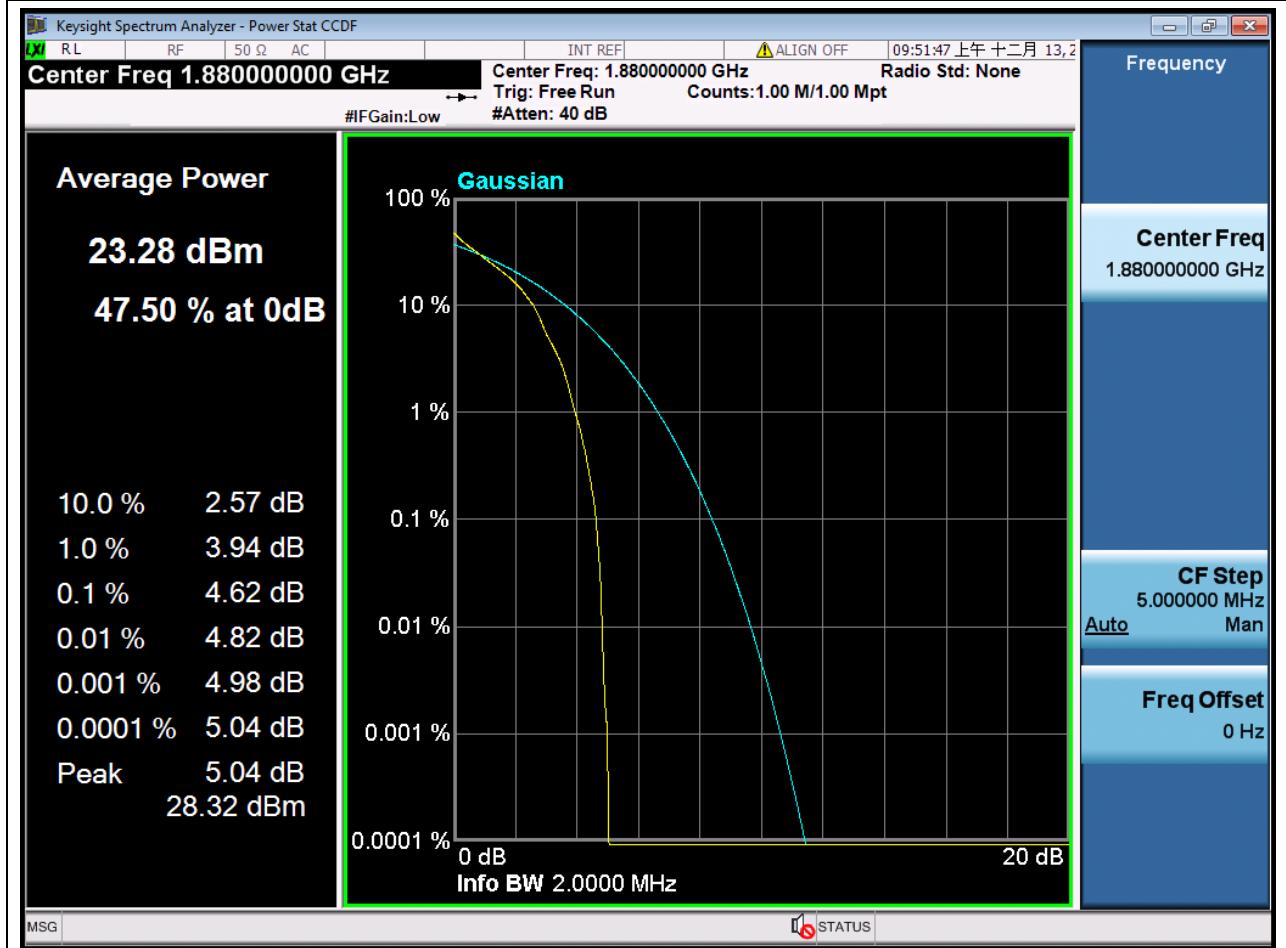
10.0 %	2.57 dB
1.0 %	3.93 dB
0.1 %	4.63 dB
0.01 %	4.87 dB
0.001 %	4.96 dB
0.0001 %	4.98 dB
Peak	4.98 dB
	28.39 dBm

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

**1.3. 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	4.62	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	5.04	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 09:51:51 上午 十二月 13, 2018

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

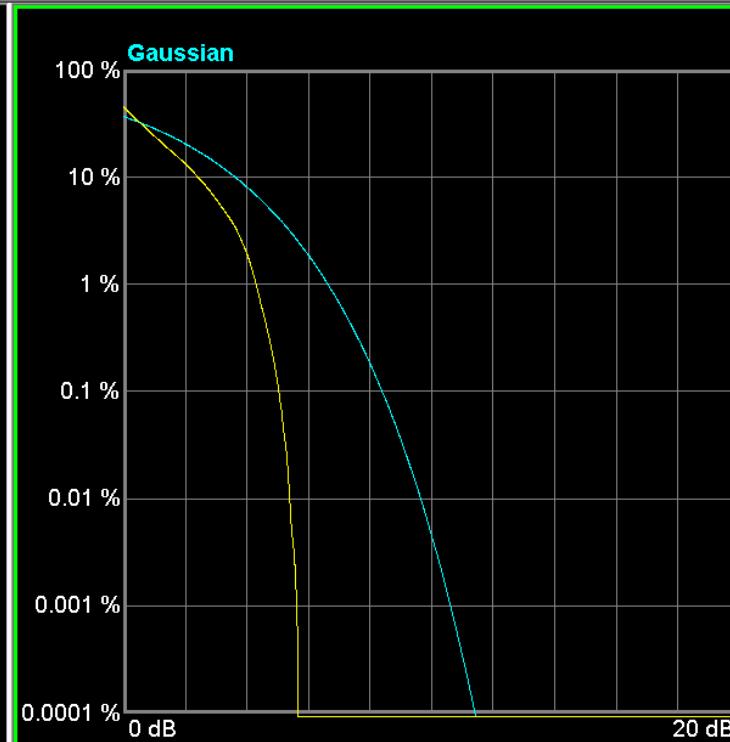
Trig: Free Run Counts: 1.00 M/1.00 Mpt

#IFGain:Low #Atten: 40 dB

Average Power  
23.36 dBm  
45.23 % at 0dB

10.0 % 2.41 dB  
1.0 % 4.30 dB  
0.1 % 5.04 dB  
0.01 % 5.39 dB  
0.001 % 5.62 dB  
0.0001 % 5.66 dB  
Peak 5.66 dB  
29.02 dBm

Gaussian



Info BW 2.0000 MHz

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

MSG STATUS

**1.5. 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	4.95	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 09:51:55 上午 十二月 13, 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  
23.38 dBm  
45.43 % at 0dB

10.0 % 2.40 dB  
1.0 % 4.24 dB  
0.1 % 4.95 dB  
0.01 % 5.29 dB  
0.001 % 5.48 dB  
0.0001 % 5.51 dB  
Peak 5.51 dB  
28.89 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	5.01	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 09:51:59 上午 十二月 13, 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  
23.36 dBm  
45.28 % at 0dB

10.0 % 2.41 dB  
1.0 % 4.26 dB  
0.1 % 5.01 dB  
0.01 % 5.35 dB  
0.001 % 5.53 dB  
0.0001 % 5.58 dB  
Peak 5.58 dB  
28.94 dBm

Gaussian



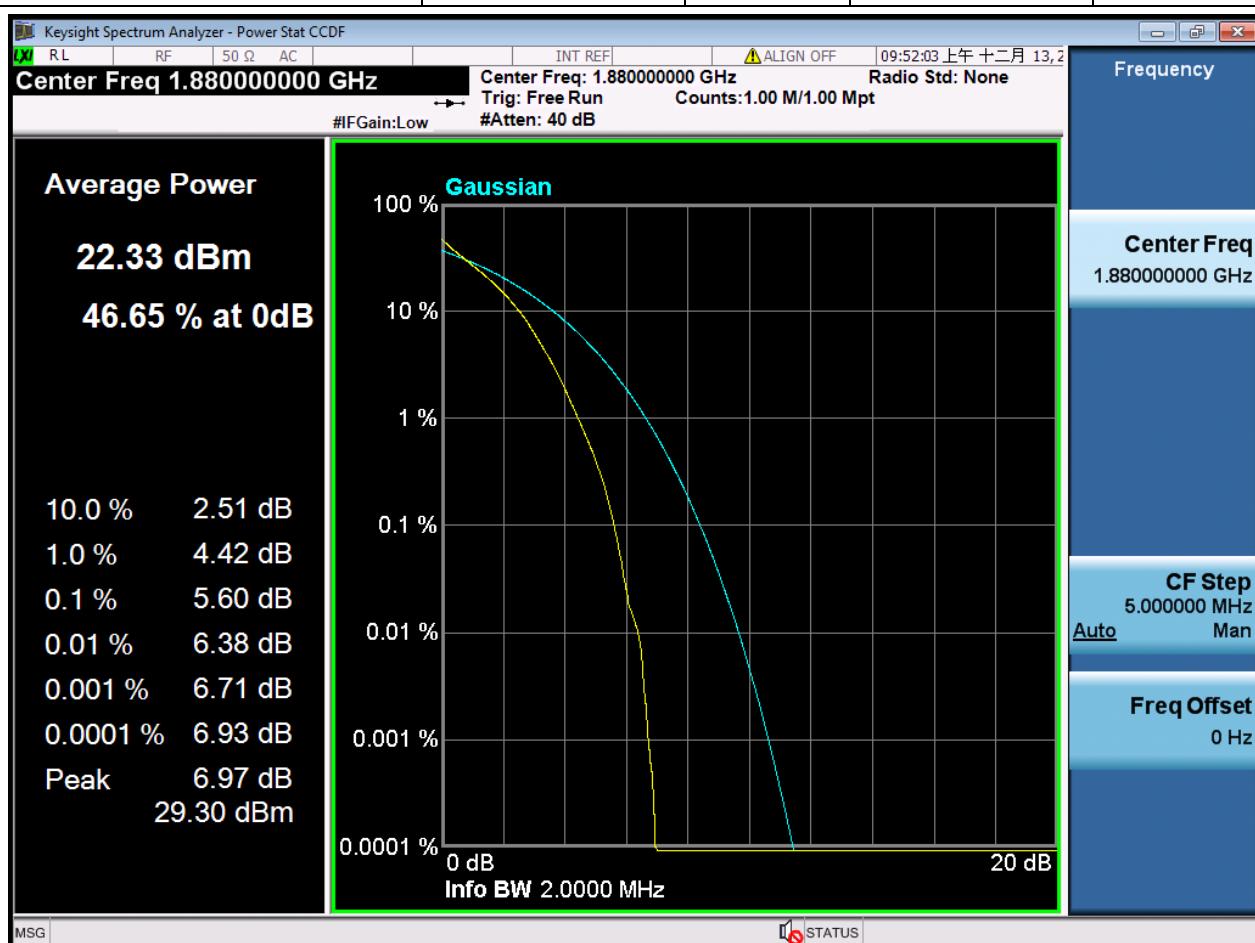
Info BW 2.0000 MHz

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

MSG STATUS

**1.7. 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	5.6	13	Pass



**Average Power**  
**22.33 dBm**  
**46.65 % at 0dB**

10.0 %	2.51 dB
1.0 %	4.42 dB
0.1 %	5.60 dB
0.01 %	6.38 dB
0.001 %	6.71 dB
0.0001 %	6.93 dB
Peak	6.97 dB
	29.30 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

**1.8. 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	5.62	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 09:52:07 上午 十二月 13, 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  
22.42 dBm  
42.57 % at 0dB

10.0 % 2.92 dB  
1.0 % 4.97 dB  
0.1 % 5.62 dB  
0.01 % 5.89 dB  
0.001 % 6.04 dB  
0.0001 % 6.07 dB  
Peak 6.07 dB  
28.49 dBm

Gaussian



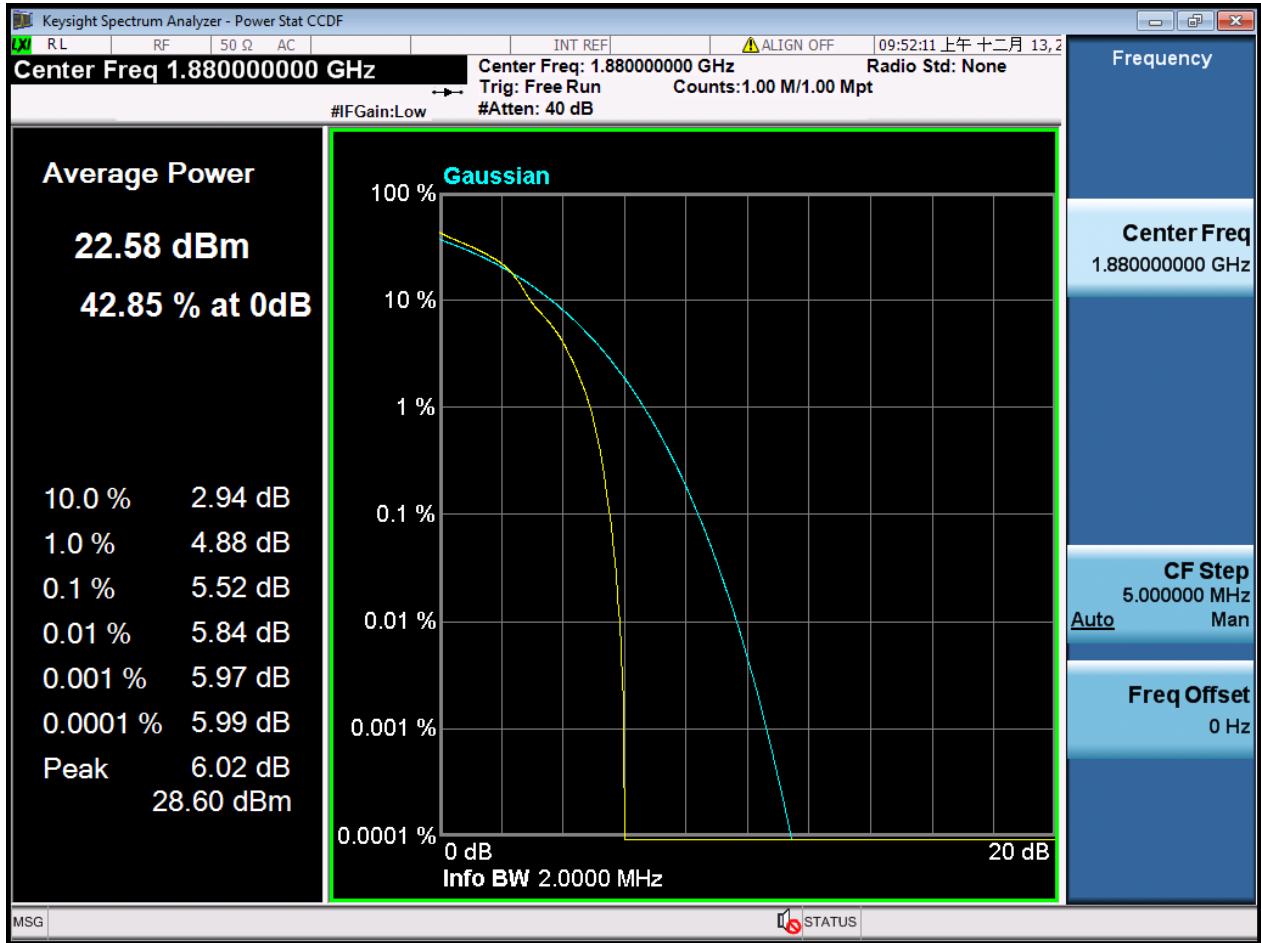
Info BW 2.0000 MHz

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	5.52	13	Pass



Average Power  
**22.58 dBm**  
**42.85 % at 0dB**

10.0 %	2.94 dB
1.0 %	4.88 dB
0.1 %	5.52 dB
0.01 %	5.84 dB
0.001 %	5.97 dB
0.0001 %	5.99 dB
Peak	6.02 dB
	28.60 dBm

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

Gaussian

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

0 dB      20 dB

Info BW 2.0000 MHz

MSG STATUS

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

**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	5.52	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 09:52:15 上午 十二月 13, 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  
22.45 dBm  
42.72 % at 0dB

10.0 % 2.91 dB  
1.0 % 4.91 dB  
0.1 % 5.52 dB  
0.01 % 5.76 dB  
0.001 % 5.82 dB  
0.0001 % 5.85 dB  
Peak 5.85 dB  
28.30 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  
Auto Man  
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	6	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 09:52:19 上午 十二月 13, 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  
22.37 dBm  
43.61 % at 0dB

10.0 % 2.89 dB  
1.0 % 5.02 dB  
0.1 % 6.00 dB  
0.01 % 6.35 dB  
0.001 % 6.57 dB  
0.0001 % 6.59 dB  
Peak 6.59 dB  
28.96 dBm

Gaussian



0.0001 % 0 dB 20 dB Info BW 2.0000 MHz

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

MSG STATUS

**1.12. 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	5.93	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 09:52:23 上午 十二月 13, 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  
22.38 dBm  
43.86 % at 0dB

10.0 % 2.88 dB  
1.0 % 4.98 dB  
0.1 % 5.93 dB  
0.01 % 6.29 dB  
0.001 % 6.43 dB  
0.0001 % 6.45 dB  
Peak 6.45 dB  
28.83 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

**1.13. 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	5.98	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 09:52:27 上午 十二月 13, 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  
22.38 dBm  
43.77 % at 0dB

10.0 % 2.89 dB  
1.0 % 4.99 dB  
0.1 % 5.98 dB  
0.01 % 6.33 dB  
0.001 % 6.51 dB  
0.0001 % 6.53 dB  
Peak 6.53 dB  
28.91 dBm

Gaussian



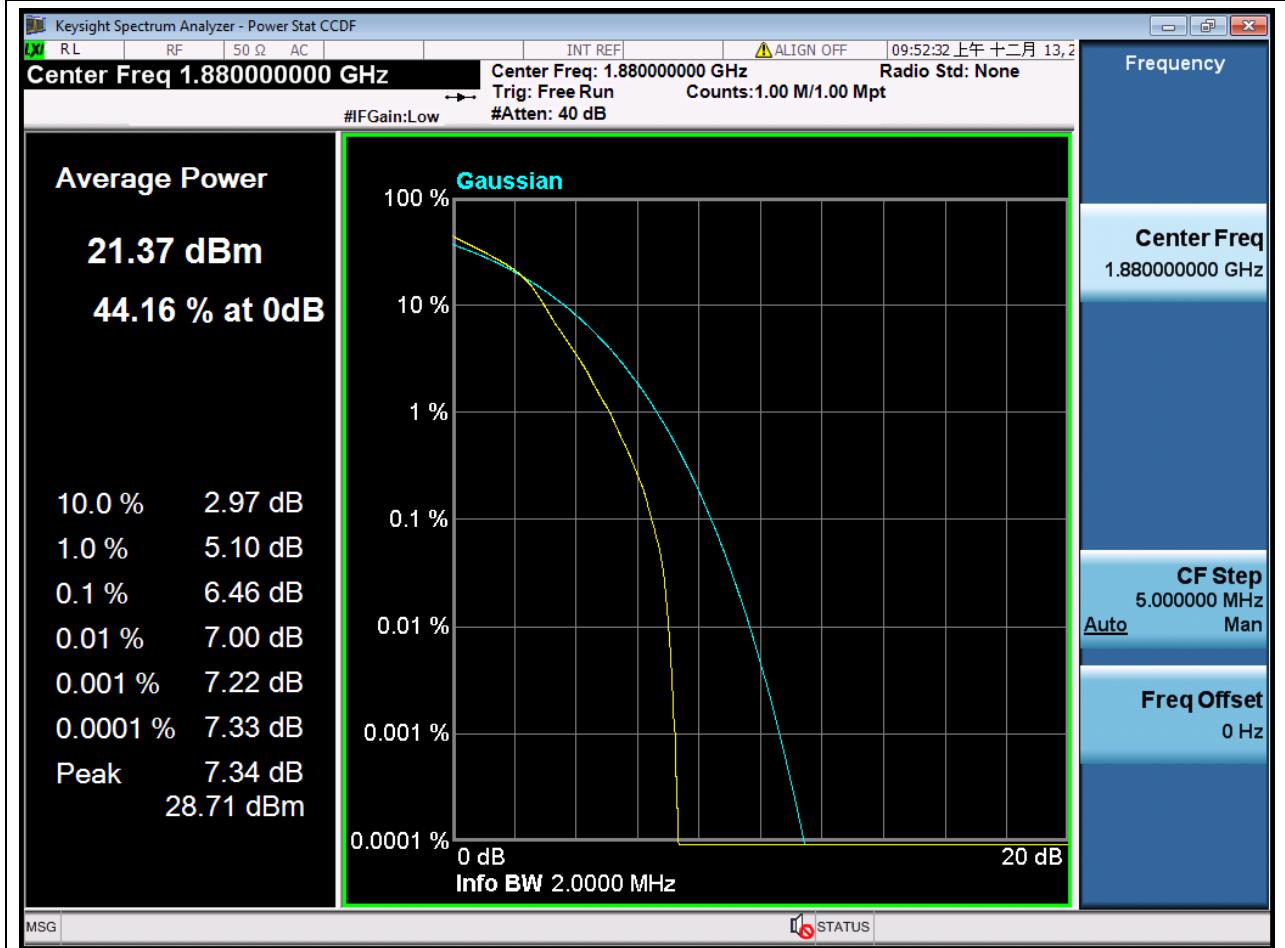
0.0001 % 0 dB 20 dB Info BW 2.0000 MHz

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

MSG STATUS

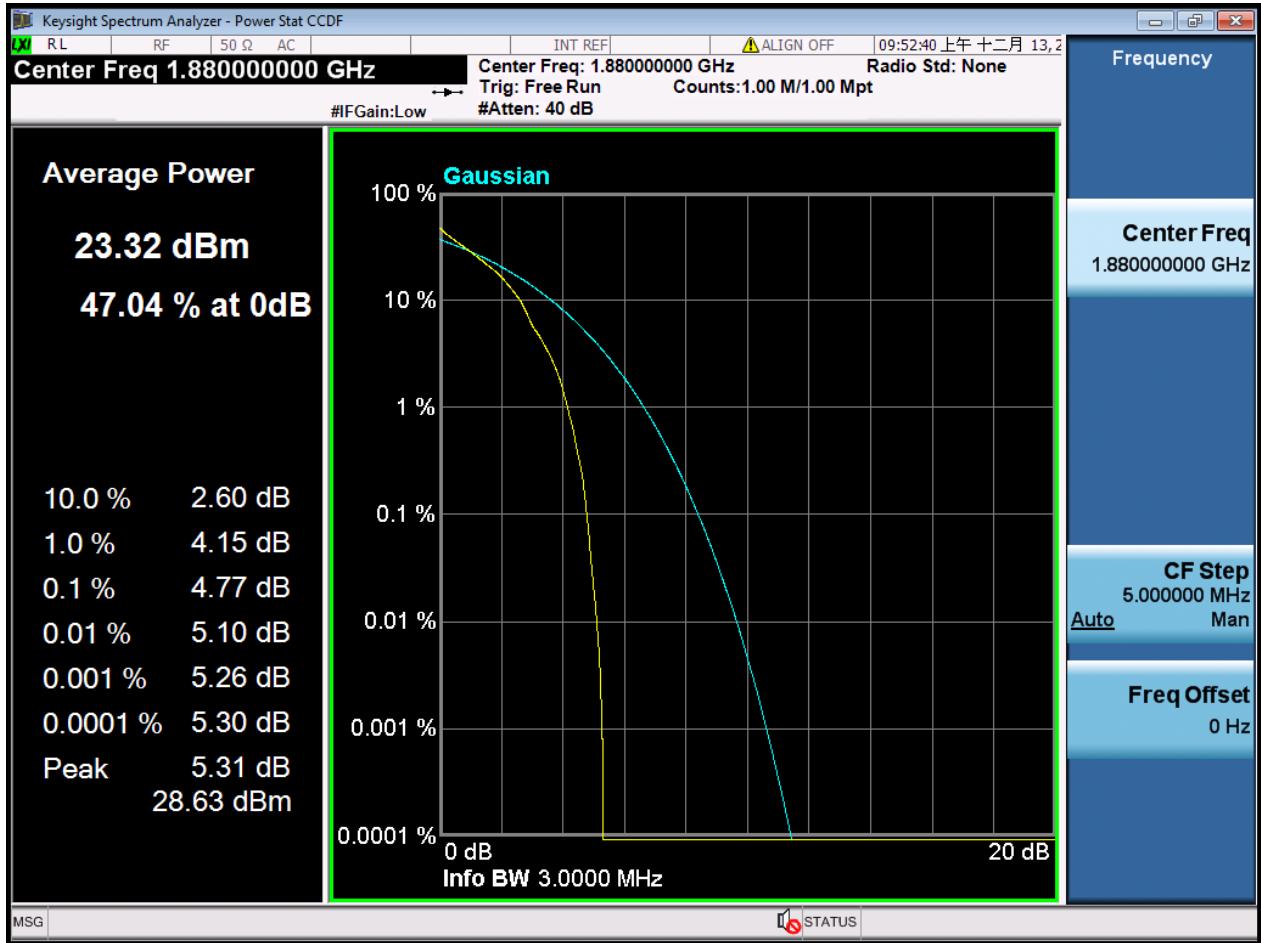
**1.14. LTE Peak to Average Ratio(NTNV)(Subtest:14, Channel:18900, Bandwidth:1.4, Modulation:Q16, RB Number: 6, RB Position:LOW)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	6.46	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	4.77	13	Pass



**Average Power**  
**23.32 dBm**  
**47.04 % at 0dB**

10.0 %	2.60 dB
1.0 %	4.15 dB
0.1 %	4.77 dB
0.01 %	5.10 dB
0.001 %	5.26 dB
0.0001 %	5.30 dB
Peak	5.31 dB
	28.63 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

**1.16. 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	4.6	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 09:52:44 上午 十二月 13, 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  
**23.29 dBm**  
**47.64 % at 0dB**

10.0 % 2.58 dB  
1.0 % 4.04 dB  
0.1 % 4.60 dB  
0.01 % 4.91 dB  
0.001 % 5.05 dB  
0.0001 % 5.08 dB  
Peak 5.08 dB  
28.37 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

**1.17. 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	4.57	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 09:52:48 上午 十二月 13, 2018

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

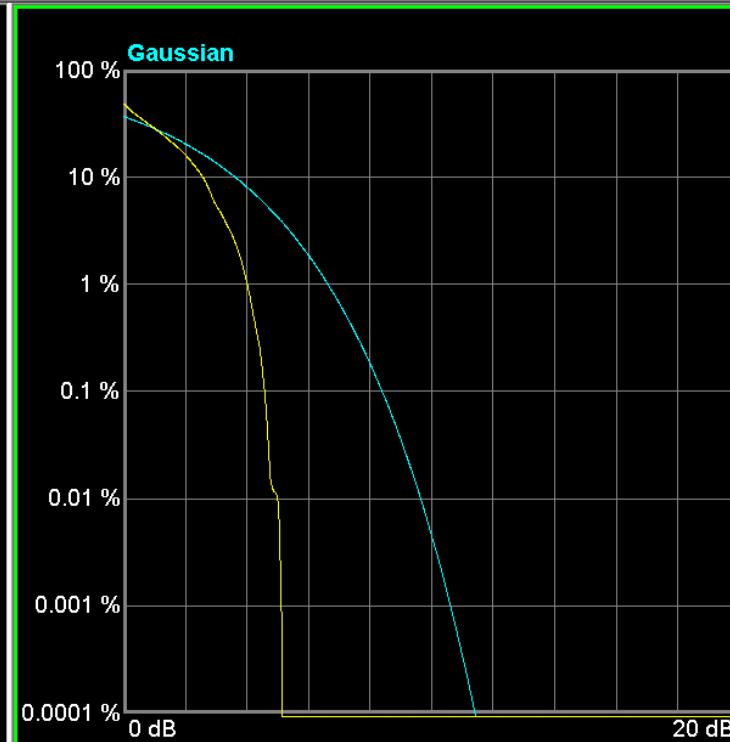
Trig: Free Run Counts: 1.00 M/1.00 Mpt

#IFGain:Low #Atten: 40 dB

Average Power  
23.34 dBm  
48.12 % at 0dB

10.0 % 2.57 dB  
1.0 % 4.01 dB  
0.1 % 4.57 dB  
0.01 % 5.00 dB  
0.001 % 5.11 dB  
0.0001 % 5.14 dB  
Peak 5.15 dB  
28.49 dBm

Gaussian



Frequency  
Center Freq 1.880000000 GHz  
CF Step 5.000000 MHz  
Auto 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	5.63	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 09:52:52 上午 十二月 13, 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  
22.31 dBm  
45.22 % at 0dB

10.0 % 2.52 dB  
1.0 % 4.51 dB  
0.1 % 5.63 dB  
0.01 % 6.28 dB  
0.001 % 6.67 dB  
0.0001 % 6.78 dB  
Peak 6.81 dB  
29.12 dBm

Gaussian



0.0001 % 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

**1.19. 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	5.56	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 09:52:56 上午 十二月 13, 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  
22.35 dBm  
45.79 % at 0dB

10.0 % 2.51 dB  
1.0 % 4.44 dB  
0.1 % 5.56 dB  
0.01 % 6.21 dB  
0.001 % 6.45 dB  
0.0001 % 6.50 dB  
Peak 6.59 dB  
28.94 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

**1.20. 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	5.59	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 09:53:00 上午 十二月 13, 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  
22.33 dBm  
45.45 % at 0dB

10.0 % 2.52 dB  
1.0 % 4.48 dB  
0.1 % 5.59 dB  
0.01 % 6.24 dB  
0.001 % 6.61 dB  
0.0001 % 6.75 dB  
Peak 6.81 dB  
29.14 dBm

Gaussian

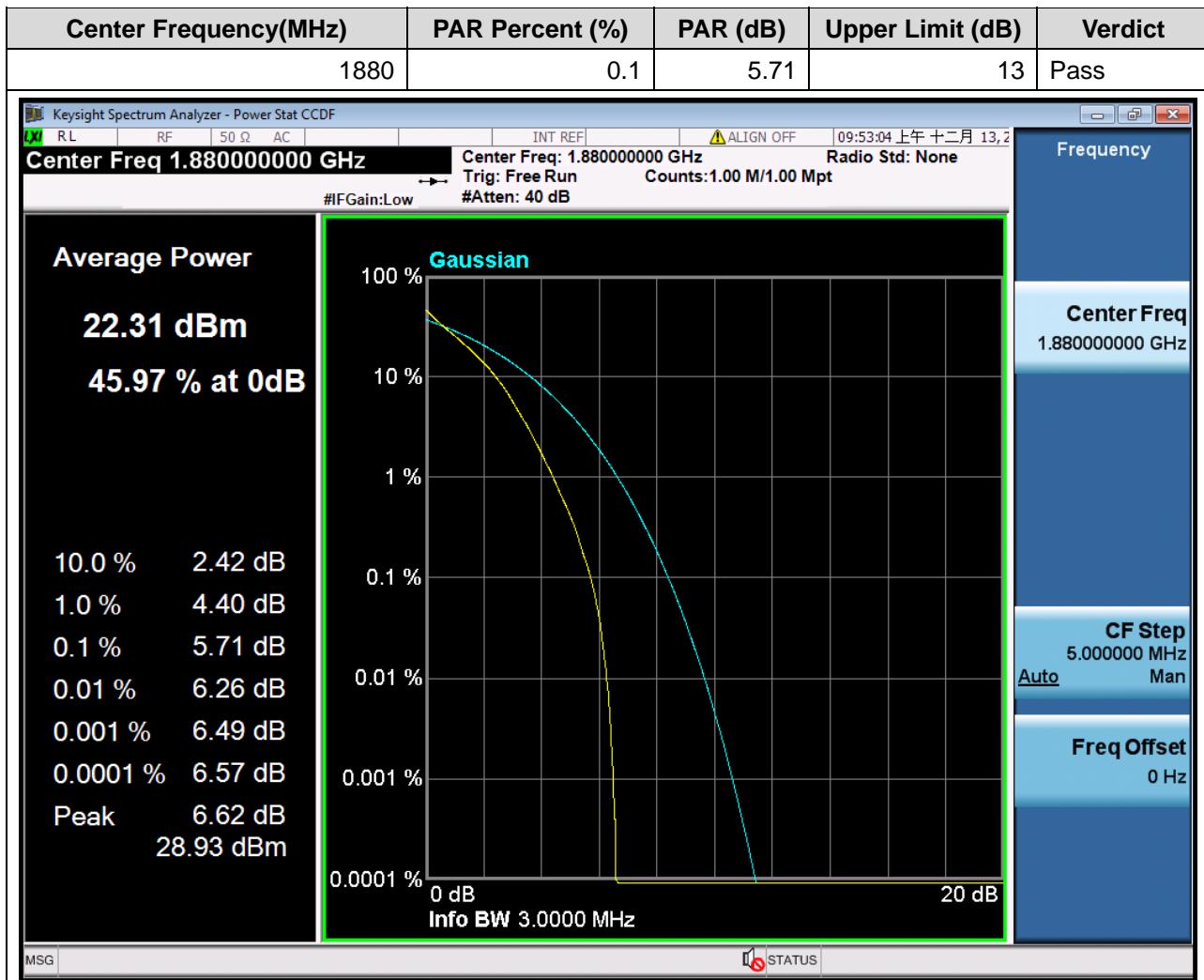


Info BW 3.0000 MHz

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

MSG STATUS

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



**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	5.66	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 09:53:08 上午 十二月 13, 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  
22.56 dBm  
43.17 % at 0dB

10.0 % 2.90 dB  
1.0 % 4.93 dB  
0.1 % 5.66 dB  
0.01 % 5.92 dB  
0.001 % 6.06 dB  
0.0001 % 6.10 dB  
Peak 6.11 dB  
28.67 dBm

Gaussian



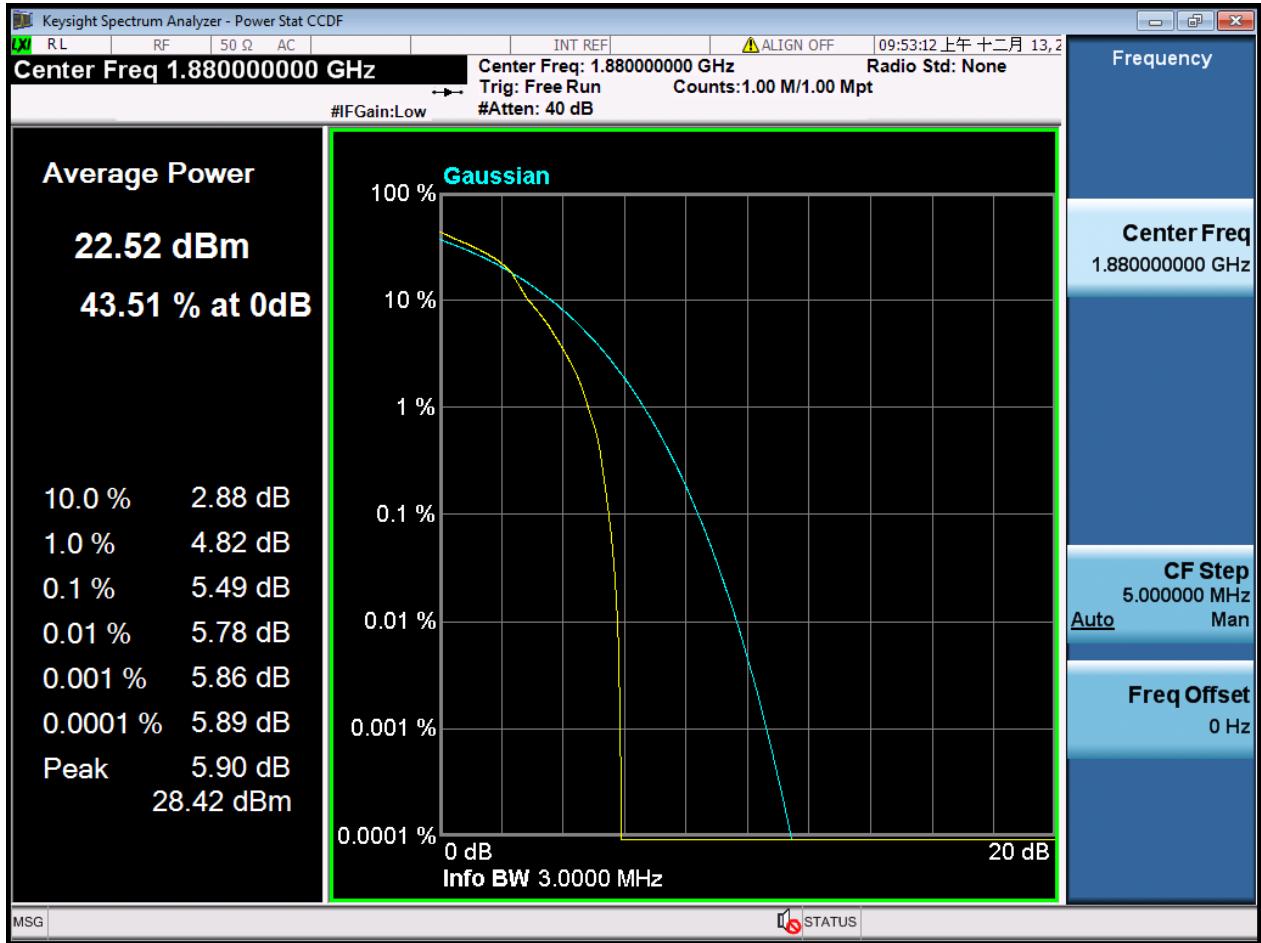
Info BW 3.0000 MHz

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	5.49	13	Pass



**Average Power**  
**22.52 dBm**  
**43.51 % at 0dB**

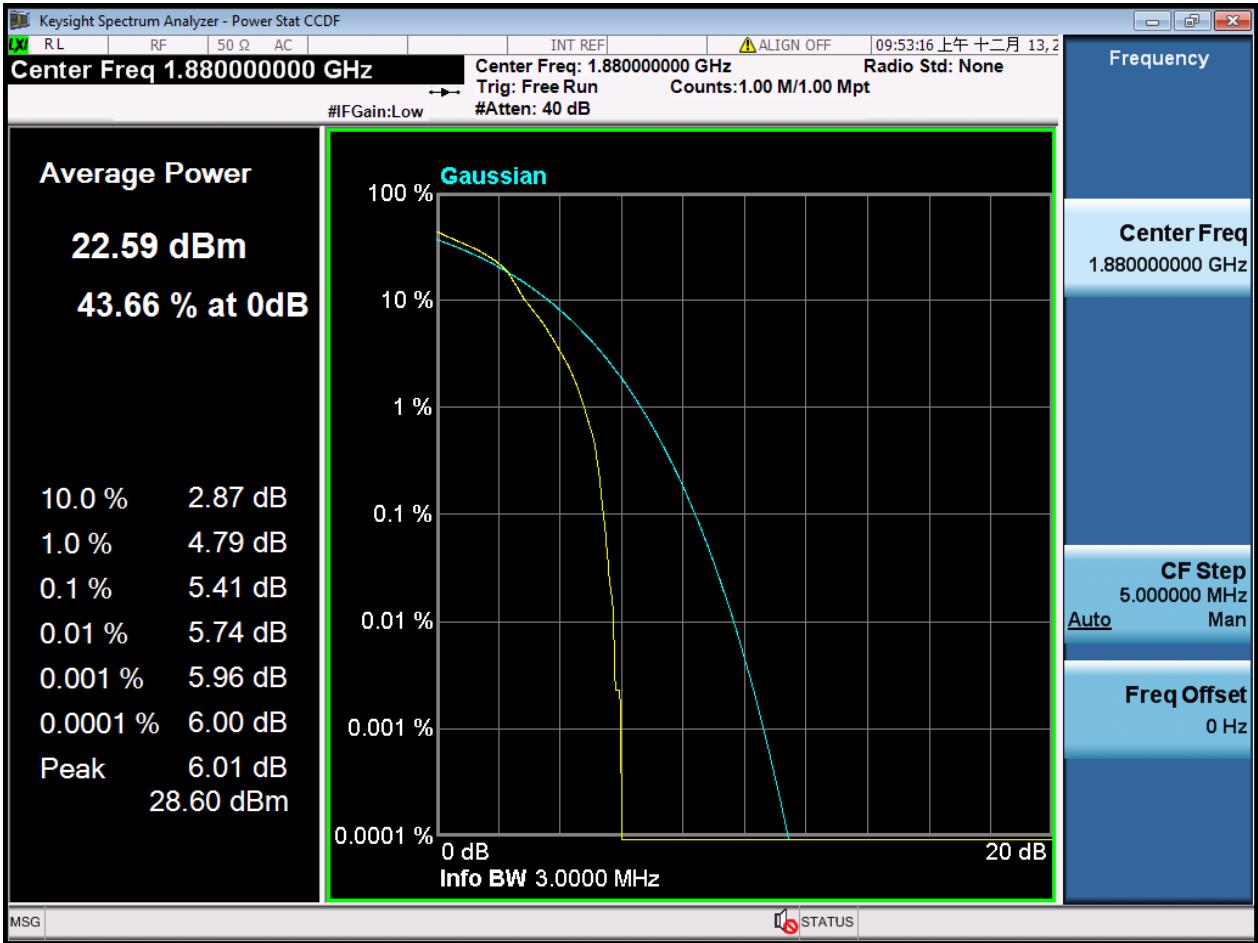
10.0 %	2.88 dB
1.0 %	4.82 dB
0.1 %	5.49 dB
0.01 %	5.78 dB
0.001 %	5.86 dB
0.0001 %	5.89 dB
Peak	5.90 dB
	28.42 dBm

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

**1.24. 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	5.41	13	Pass

Average Power  
22.59 dBm  
43.66 % at 0dB

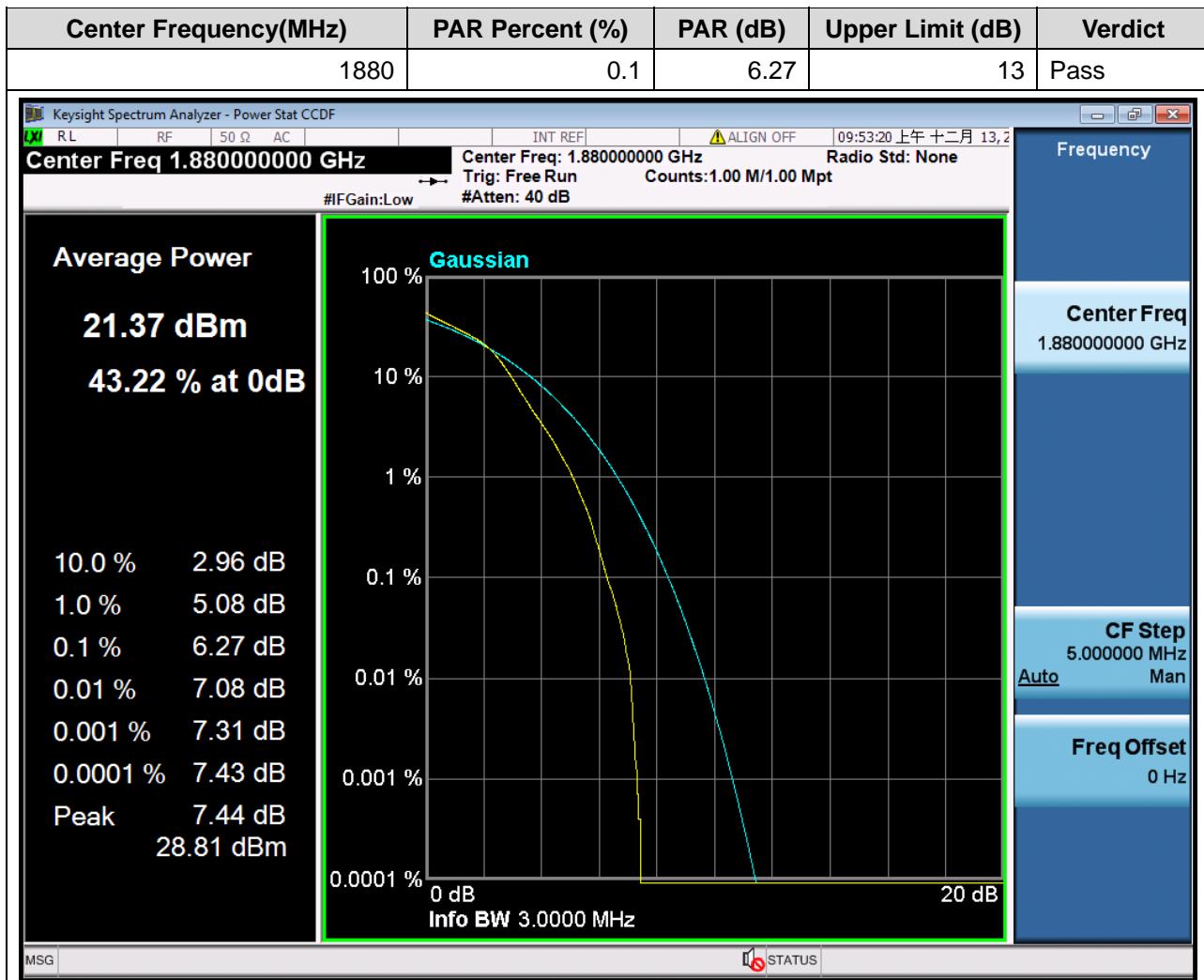
10.0 %	2.87 dB
1.0 %	4.79 dB
0.1 %	5.41 dB
0.01 %	5.74 dB
0.001 %	5.96 dB
0.0001 %	6.00 dB
Peak	6.01 dB
	28.60 dBm

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

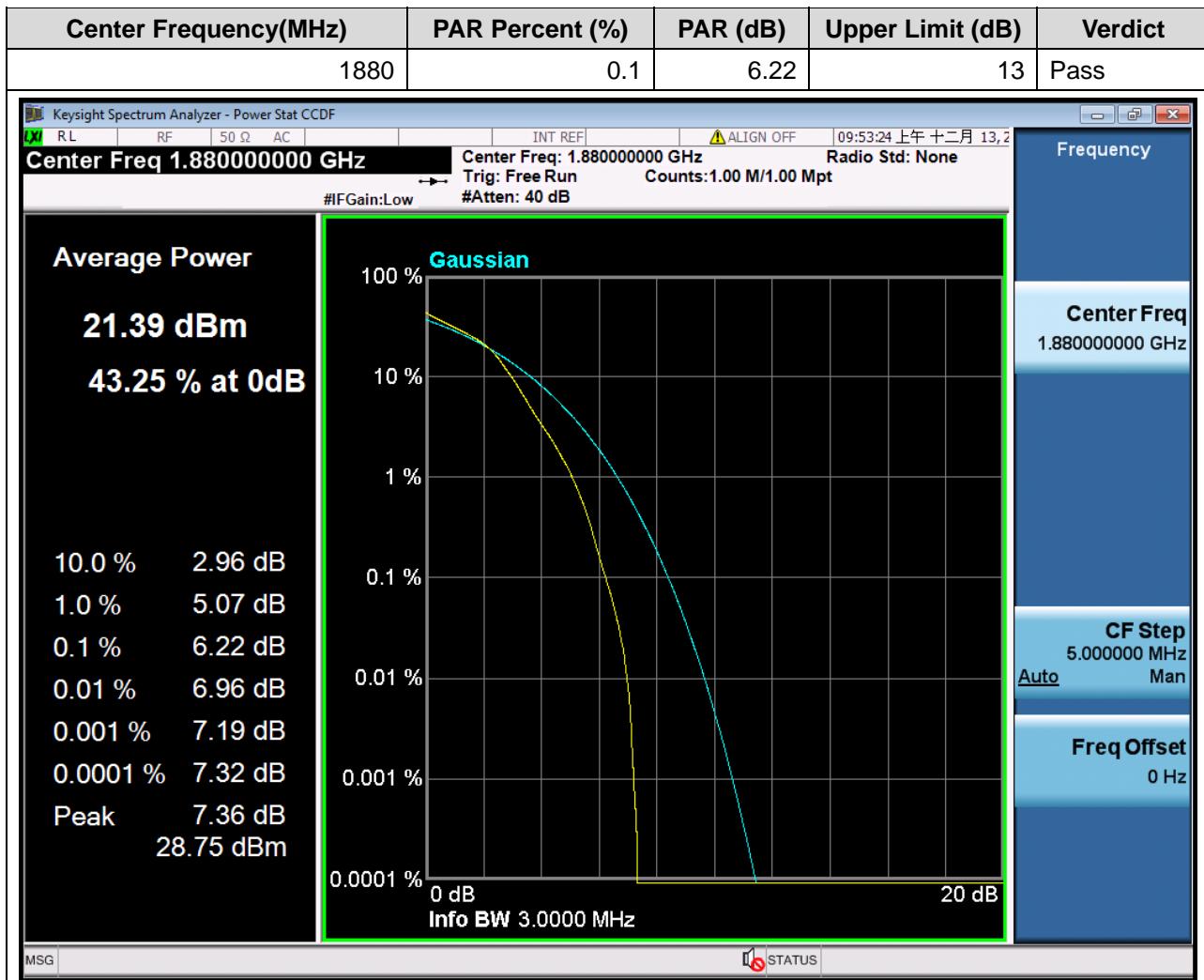
Frequency  
Center Freq 1.880000000 GHz  
CF Step 5.000000 MHz Man  
Freq Offset 0 Hz

MSG STATUS

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



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



**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	6.25	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

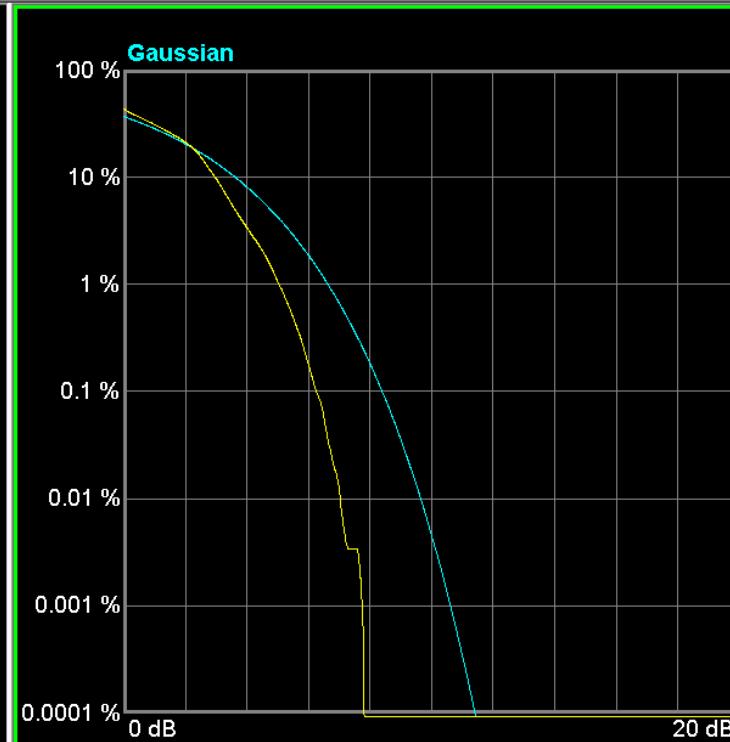
RL RF 50 Ω AC INT REF ALIGN OFF 09:53:28 上午 十二月 13, 2018

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  
**21.38 dBm**  
**43.29 % at 0dB**

10.0 % 2.97 dB  
1.0 % 5.04 dB  
0.1 % 6.25 dB  
0.01 % 7.03 dB  
0.001 % 7.74 dB  
0.0001 % 7.80 dB  
Peak 7.80 dB  
29.18 dBm

Gaussian



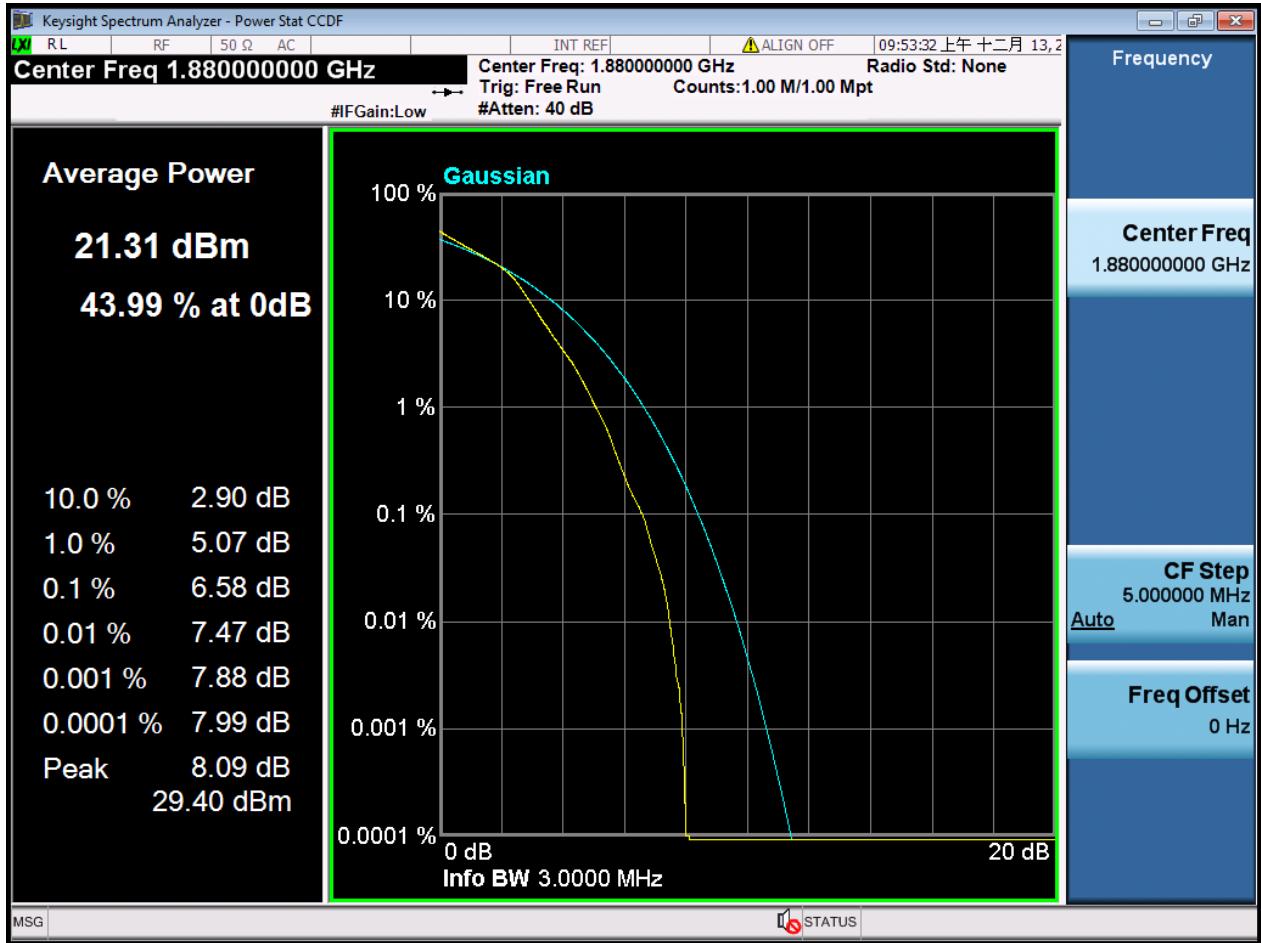
0.0001 % 0 dB 20 dB  
Info BW 3.0000 MHz

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

MSG STATUS

**1.28. 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	6.58	13	Pass

<b>Average Power</b>	
<b>21.31 dBm</b>	
<b>43.99 % at 0dB</b>	
10.0 %	2.90 dB
1.0 %	5.07 dB
0.1 %	6.58 dB
0.01 %	7.47 dB
0.001 %	7.88 dB
0.0001 %	7.99 dB
Peak	8.09 dB
	29.40 dBm

**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	4.81	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 09:53:40 上午 十二月 13, 2018

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

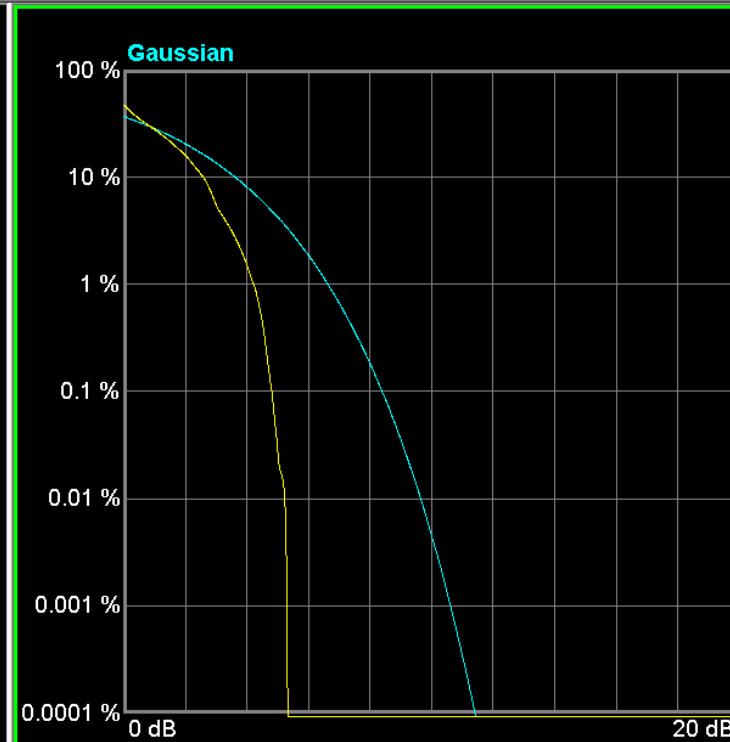
Trig: Free Run Counts: 1.00 M/1.00 Mpt

#IFGain:Low #Atten: 40 dB

Average Power  
23.27 dBm  
47.06 % at 0dB

10.0 % 2.58 dB  
1.0 % 4.22 dB  
0.1 % 4.81 dB  
0.01 % 5.22 dB  
0.001 % 5.30 dB  
0.0001 % 5.32 dB  
Peak 5.33 dB  
28.60 dBm

Gaussian

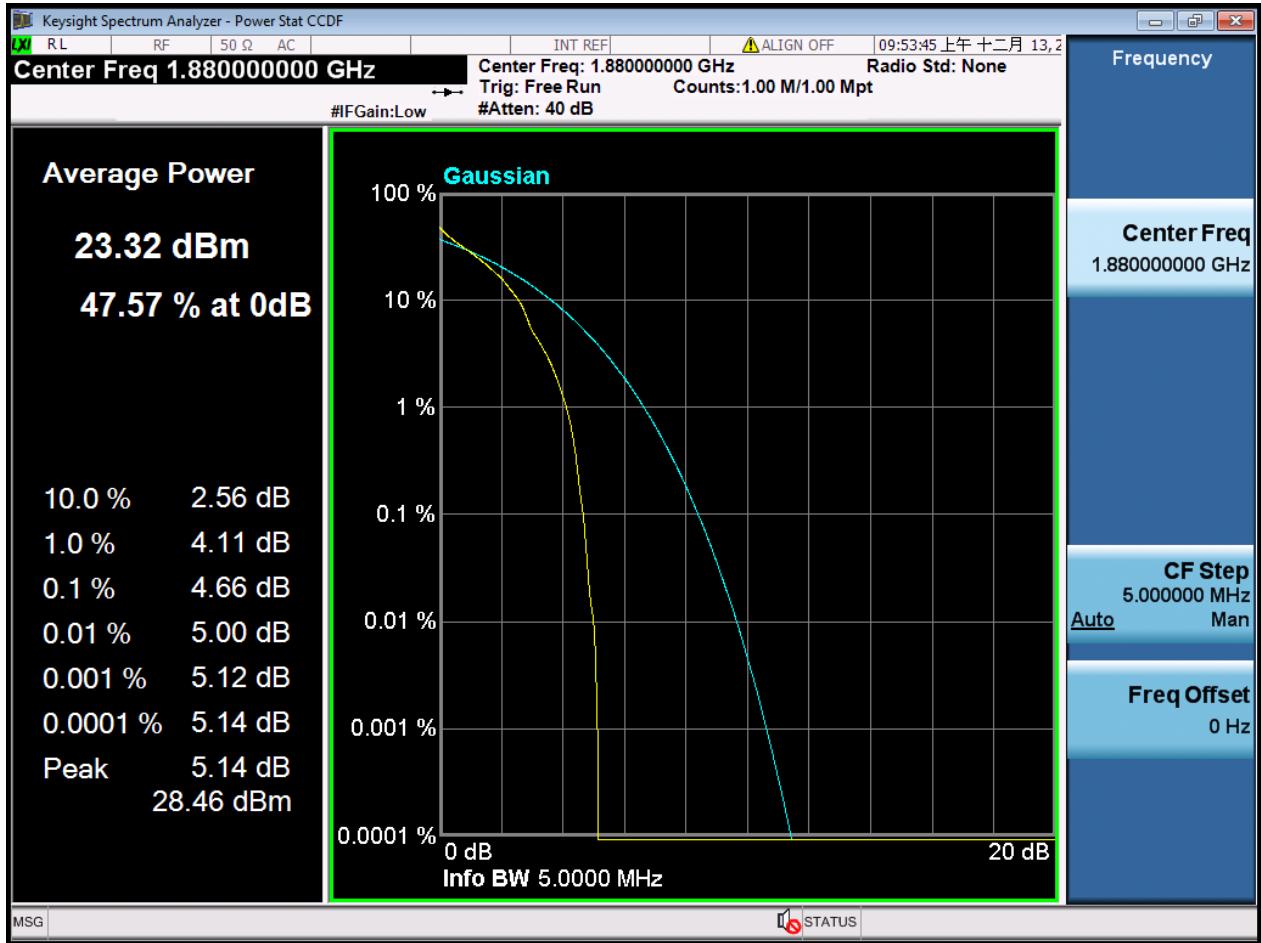


Frequency  
Center Freq 1.880000000 GHz  
CF Step 5.000000 MHz  
Auto Man  
Freq Offset 0 Hz

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	4.66	13	Pass

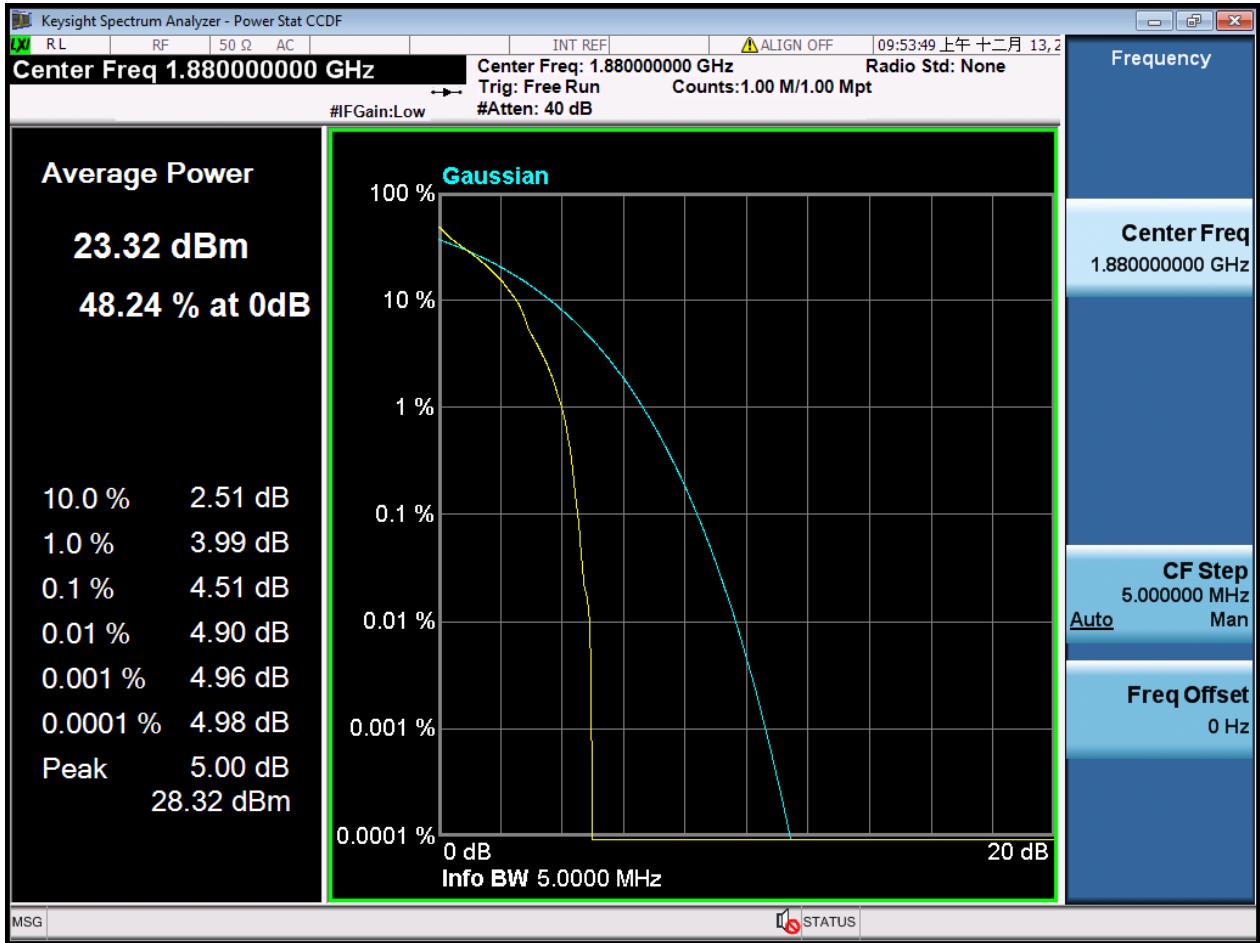


The screenshot shows the Keysight Spectrum Analyzer interface with the following details:

- 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:** 23.32 dBm
- 47.57 % at 0dB**
- Peak:** 5.14 dB
- 28.46 dBm**
- Info BW:** 5.0000 MHz
- Gaussian Fit:** The plot shows a Gaussian distribution curve overlaid on the measured data.
- Y-axis:** Logarithmic scale from 0.0001 % to 100 %.
- X-axis:** Linear scale from 0 dB to 20 dB.

**1.31. 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	4.51	13	Pass



**Average Power**  
**23.32 dBm**  
**48.24 % at 0dB**

10.0 %	2.51 dB
1.0 %	3.99 dB
0.1 %	4.51 dB
0.01 %	4.90 dB
0.001 %	4.96 dB
0.0001 %	4.98 dB
Peak	5.00 dB
	28.32 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

**1.32. 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	5.77	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 09:53:53 上午 十二月 13, 2013

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  
45.45 % at 0dB

10.0 % 2.38 dB  
1.0 % 4.56 dB  
0.1 % 5.77 dB  
0.01 % 6.40 dB  
0.001 % 6.79 dB  
0.0001 % 6.89 dB  
Peak 6.89 dB  
29.16 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	5.67	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 09:53:57 上午 十二月 13, 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  
22.35 dBm  
45.77 % at 0dB

10.0 % 2.37 dB  
1.0 % 4.50 dB  
0.1 % 5.67 dB  
0.01 % 6.24 dB  
0.001 % 6.54 dB  
0.0001 % 6.67 dB  
Peak 6.67 dB  
29.02 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

**1.34. 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	5.67	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 09:54:01 上午 十二月 13, 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  
22.36 dBm  
46.06 % at 0dB

10.0 % 2.37 dB  
1.0 % 4.48 dB  
0.1 % 5.67 dB  
0.01 % 6.20 dB  
0.001 % 6.60 dB  
0.0001 % 6.68 dB  
Peak 6.68 dB  
29.04 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  
Auto  
Freq Offset 0 Hz

MSG STATUS

**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	5.75	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 09:54:05 上午 十二月 13, 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  
22.32 dBm  
46.41 % at 0dB

10.0 % 2.36 dB  
1.0 % 4.50 dB  
0.1 % 5.75 dB  
0.01 % 6.55 dB  
0.001 % 6.98 dB  
0.0001 % 7.11 dB  
Peak 7.11 dB  
29.43 dBm

Gaussian



Frequency  
Center Freq 1.880000000 GHz  
CF Step 5.000000 MHz Man  
Auto  
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	5.71	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 09:54:09 上午 十二月 13, 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  
22.54 dBm  
42.63 % at 0dB

10.0 % 2.87 dB  
1.0 % 5.09 dB  
0.1 % 5.71 dB  
0.01 % 5.99 dB  
0.001 % 6.04 dB  
0.0001 % 6.06 dB  
Peak 6.13 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  
Auto Man  
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	5.58	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 09:54:13 上午 十二月 13, 2013

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  
42.80 % at 0dB

10.0 % 2.86 dB  
1.0 % 4.99 dB  
0.1 % 5.58 dB  
0.01 % 5.83 dB  
0.001 % 5.90 dB  
0.0001 % 5.93 dB  
Peak 5.94 dB  
28.50 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

**1.38. 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	5.45	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 09:54:17 上午 十二月 13, 2017

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

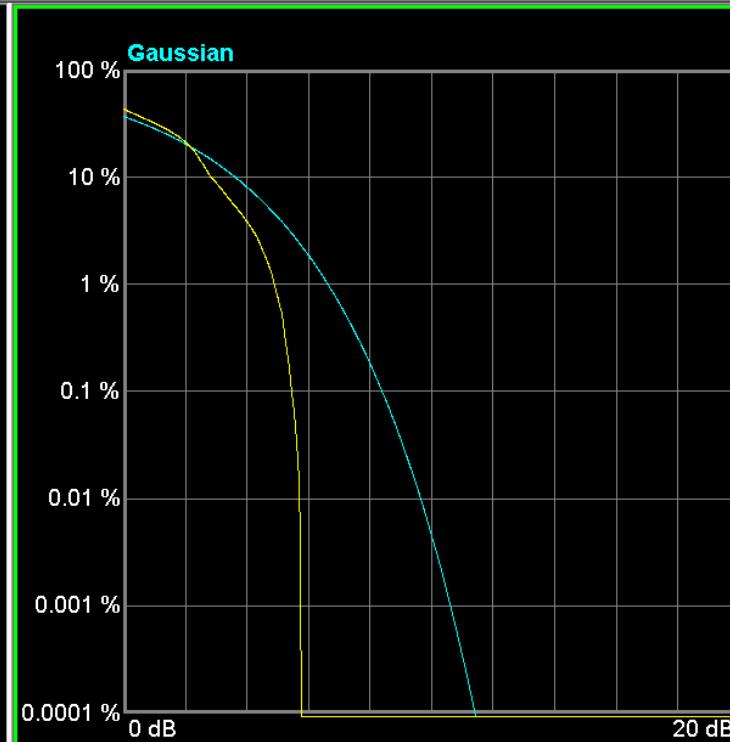
Trig: Free Run Counts: 1.00 M/1.00 Mpt

#IFGain:Low #Atten: 40 dB

Average Power  
22.55 dBm  
43.18 % at 0dB

10.0 % 2.84 dB  
1.0 % 4.90 dB  
0.1 % 5.45 dB  
0.01 % 5.71 dB  
0.001 % 5.75 dB  
0.0001 % 5.77 dB  
Peak 5.78 dB  
28.33 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

**1.39. 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	6.65	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 09:54:21 上午 十二月 13, 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  
21.32 dBm  
43.41 % at 0dB

10.0 % 2.80 dB  
1.0 % 5.18 dB  
0.1 % 6.65 dB  
0.01 % 7.35 dB  
0.001 % 7.63 dB  
0.0001 % 7.85 dB  
Peak 7.92 dB  
29.24 dBm

Gaussian



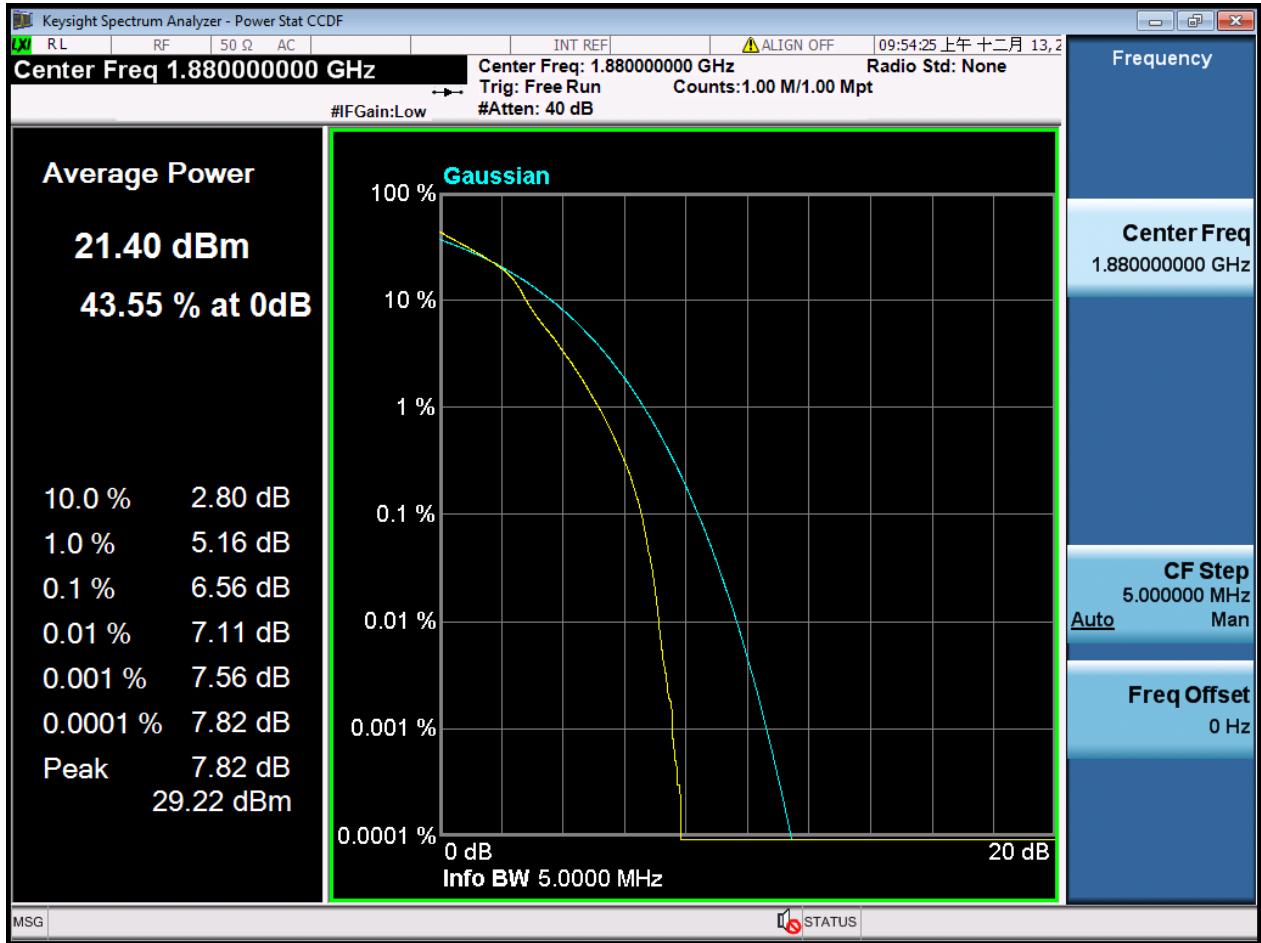
0.0001 % 0 dB 20 dB  
Info BW 5.0000 MHz

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

MSG STATUS

**1.40. 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	6.56	13	Pass



**Average Power**  
**21.40 dBm**  
**43.55 % at 0dB**

10.0 %	2.80 dB
1.0 %	5.16 dB
0.1 %	6.56 dB
0.01 %	7.11 dB
0.001 %	7.56 dB
0.0001 %	7.82 dB
Peak	7.82 dB
	29.22 dBm

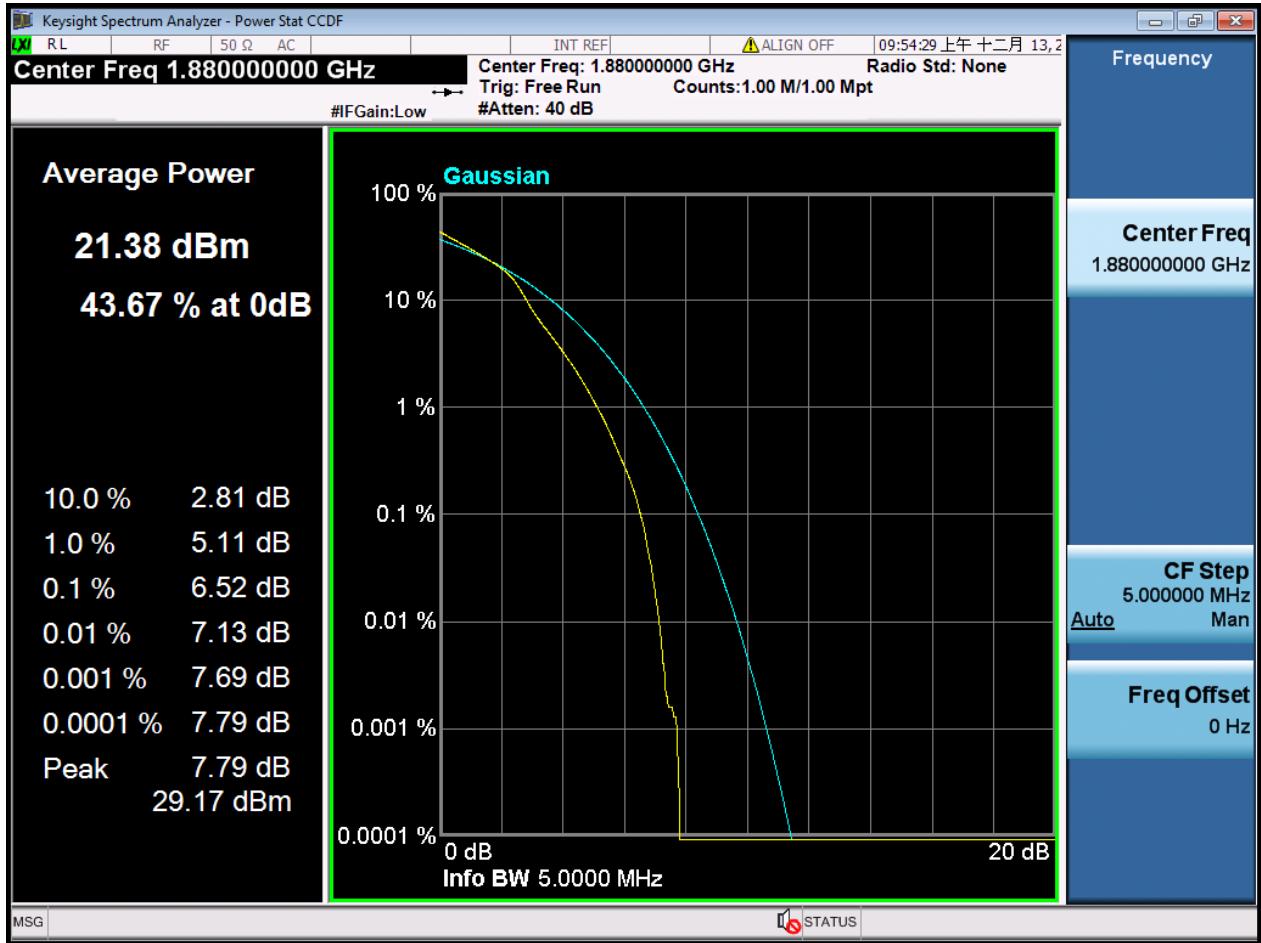
**Center Freq**  
**1.880000000 GHz**

**CF Step**  
**5.000000 MHz**

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

**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	6.52	13	Pass



**Average Power**  
**21.38 dBm**  
**43.67 % at 0dB**

10.0 %	2.81 dB
1.0 %	5.11 dB
0.1 %	6.52 dB
0.01 %	7.13 dB
0.001 %	7.69 dB
0.0001 %	7.79 dB
Peak	7.79 dB
	29.17 dBm

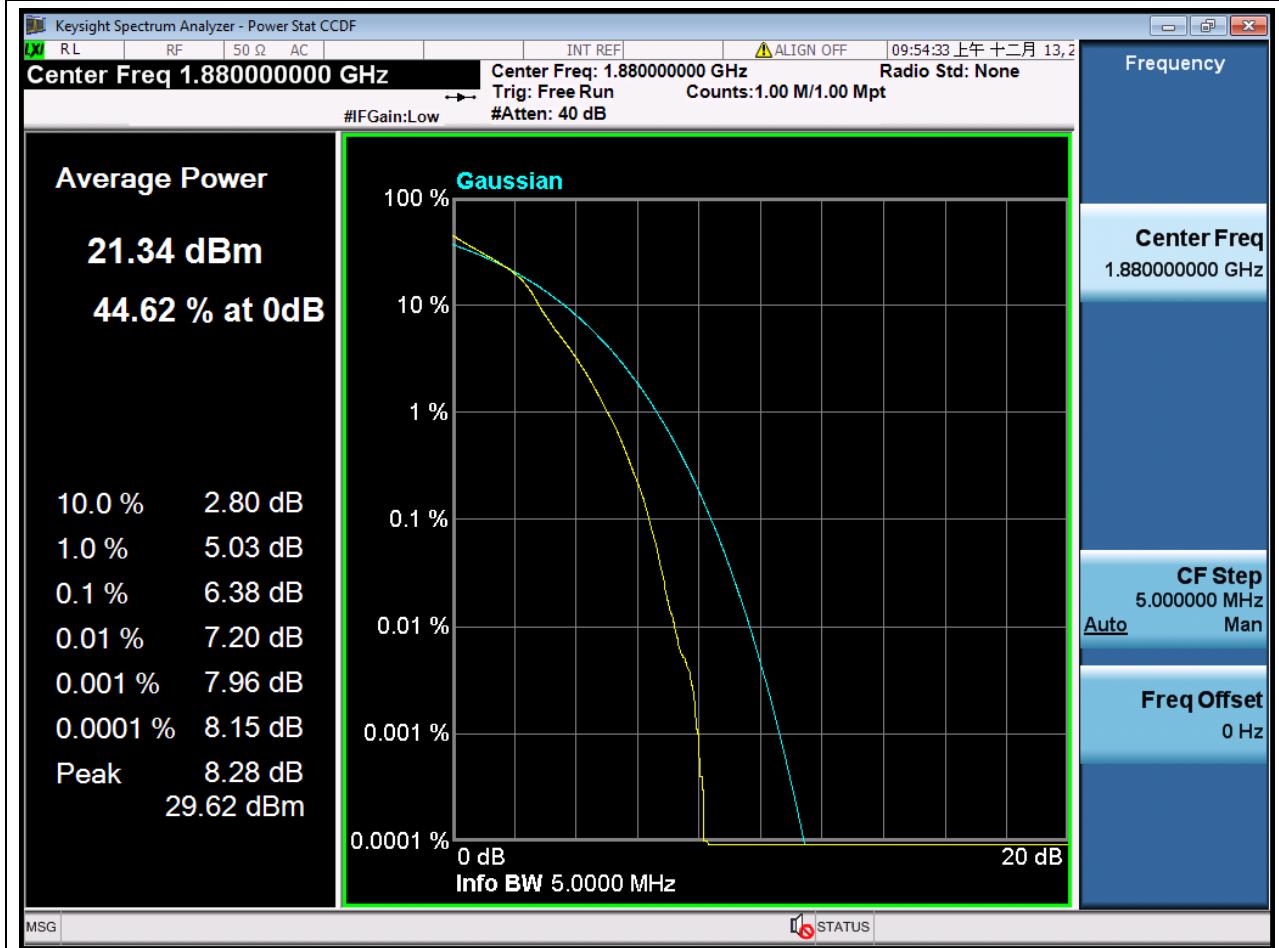
Center Freq 1.880000000 GHz      Center Freq: 1.880000000 GHz      Radio Std: None  
Trig: Free Run      Counts: 1.00 M/1.00 Mpt  
#IFGain:Low      #Atten: 40 dB

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

MSG STATUS

**1.42. 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



**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	4.87	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 09:54:41 上午 十二月 13, 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  
23.29 dBm  
46.06 % at 0dB

10.0 % 2.63 dB  
1.0 % 4.23 dB  
0.1 % 4.87 dB  
0.01 % 5.26 dB  
0.001 % 5.37 dB  
0.0001 % 5.38 dB  
Peak 5.40 dB  
28.69 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

**1.44. 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	4.64	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 09:54:45 上午 十二月 13, 2013

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  
23.45 dBm  
47.24 % at 0dB

10.0 % 2.57 dB  
1.0 % 4.03 dB  
0.1 % 4.64 dB  
0.01 % 4.96 dB  
0.001 % 5.07 dB  
0.0001 % 5.09 dB  
Peak 5.13 dB  
28.58 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	4.22	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 09:54:49 上午 十二月 13, 2013

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

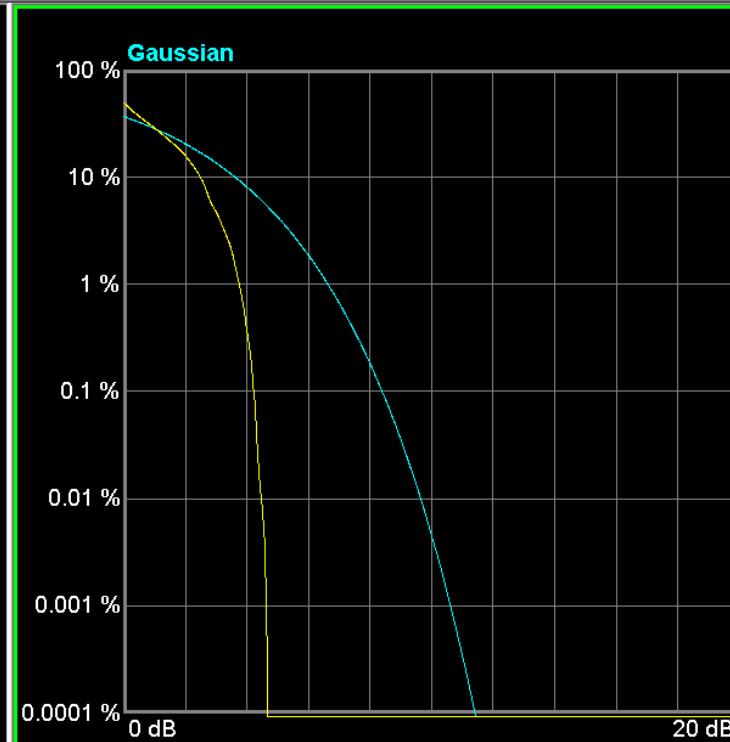
Trig: Free Run Counts: 1.00 M/1.00 Mpt

#IFGain:Low #Atten: 40 dB

Average Power  
23.36 dBm  
49.12 % at 0dB

10.0 % 2.49 dB  
1.0 % 3.75 dB  
0.1 % 4.22 dB  
0.01 % 4.46 dB  
0.001 % 4.63 dB  
0.0001 % 4.65 dB  
Peak 4.65 dB  
28.01 dBm

Gaussian



0.0001 % 0 dB 20 dB

MSG STATUS

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

**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	5.79	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 09:54:53 上午 十二月 13, 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  
22.29 dBm  
45.75 % at 0dB

10.0 % 2.34 dB  
1.0 % 4.60 dB  
0.1 % 5.79 dB  
0.01 % 6.37 dB  
0.001 % 6.82 dB  
0.0001 % 7.07 dB  
Peak 7.07 dB  
29.36 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	5.65	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 09:54:58 上午 十二月 13, 2018

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

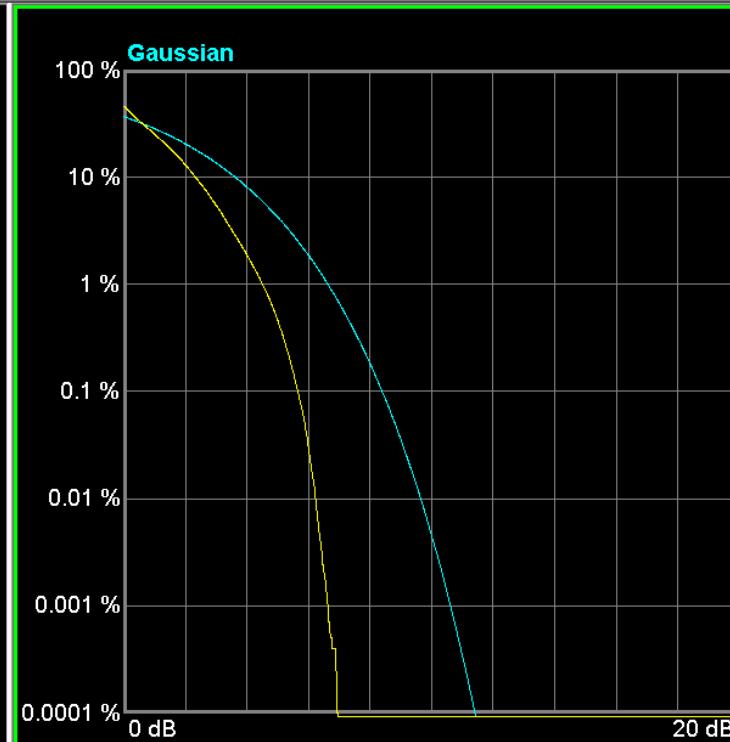
Trig: Free Run Counts: 1.00 M/1.00 Mpt

#IFGain:Low #Atten: 40 dB

Average Power  
22.35 dBm  
46.08 % at 0dB

10.0 % 2.33 dB  
1.0 % 4.51 dB  
0.1 % 5.65 dB  
0.01 % 6.23 dB  
0.001 % 6.63 dB  
0.0001 % 6.92 dB  
Peak 6.94 dB  
29.29 dBm

Gaussian



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

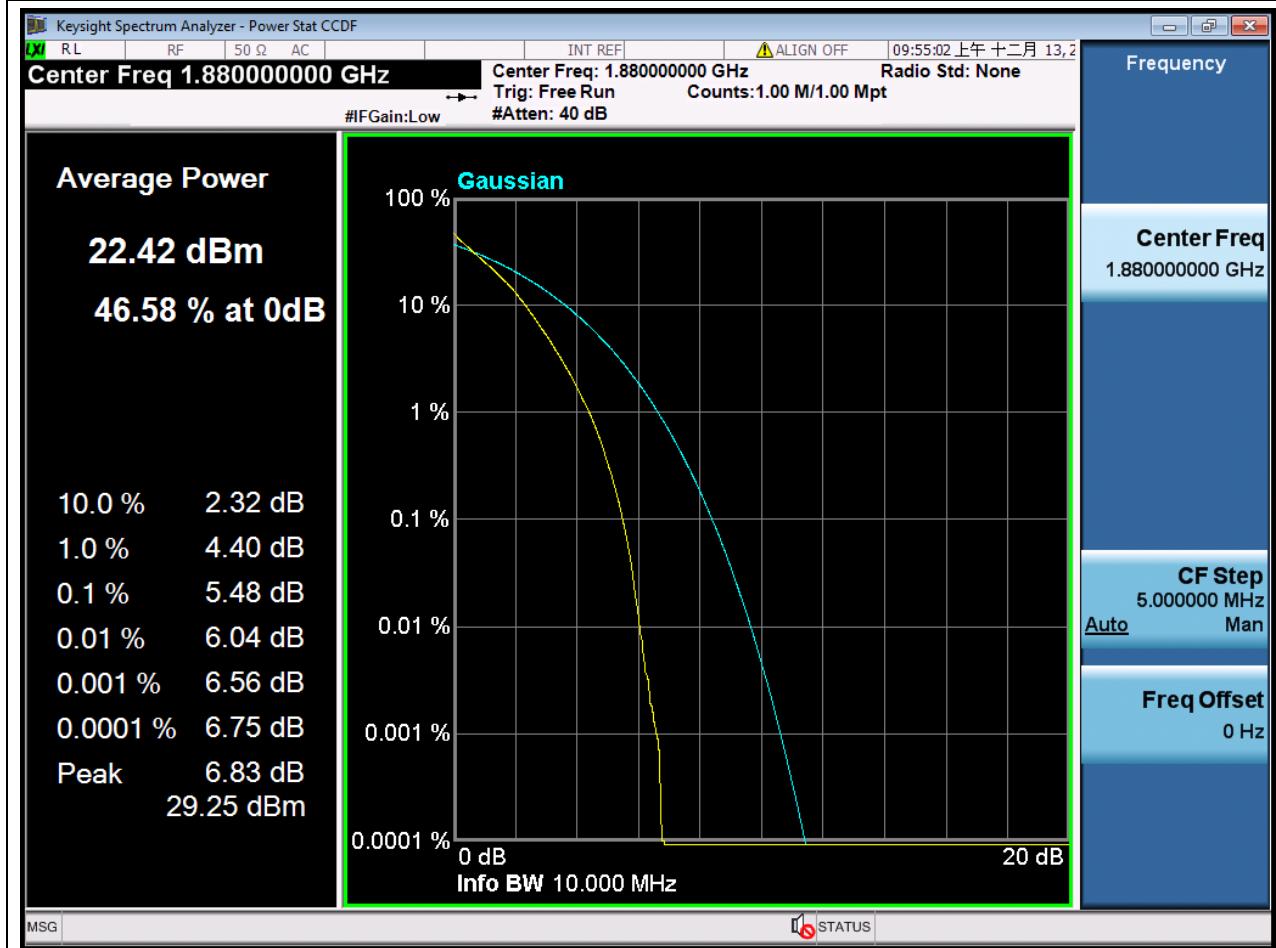
0 dB 20 dB Info BW 10.000 MHz

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

MSG STATUS

**1.48. 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	5.48	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	5.72	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 09:55:06 上午 十二月 13, 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  
**22.35 dBm**  
**46.05 % at 0dB**

10.0 % 2.29 dB  
1.0 % 4.46 dB  
0.1 % 5.72 dB  
0.01 % 6.45 dB  
0.001 % 6.92 dB  
0.0001 % 7.36 dB  
Peak 7.42 dB  
29.77 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

**1.50. 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	5.76	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 09:55:10 上午 十二月 13, 2018

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

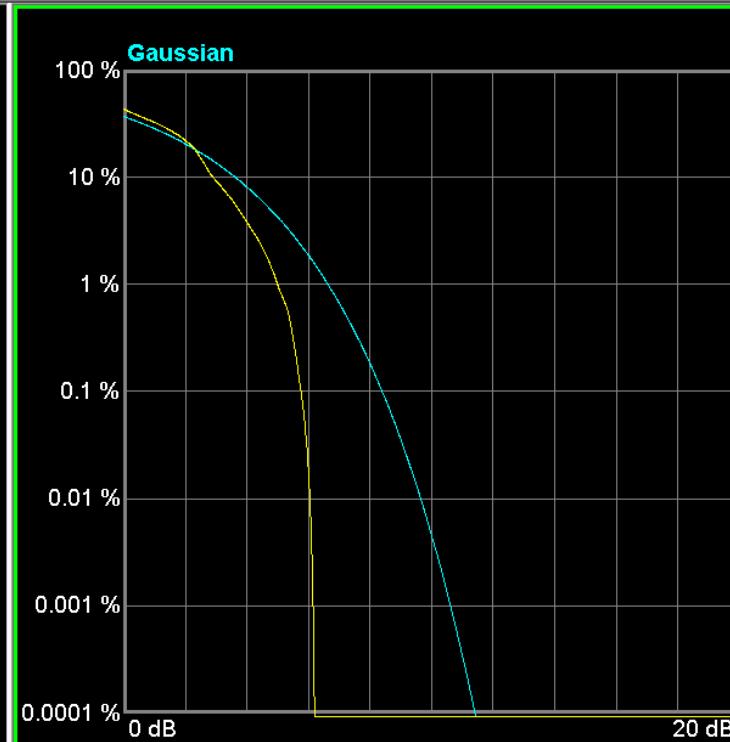
Trig: Free Run Counts: 1.00 M/1.00 Mpt

#IFGain:Low #Atten: 40 dB

Average Power  
22.55 dBm  
43.08 % at 0dB

10.0 % 2.89 dB  
1.0 % 5.00 dB  
0.1 % 5.76 dB  
0.01 % 6.04 dB  
0.001 % 6.15 dB  
0.0001 % 6.19 dB  
Peak 6.22 dB  
28.77 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

**1.51. 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	5.49	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 09:55:14 上午 十二月 13, 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  
22.66 dBm  
43.40 % at 0dB

10.0 % 2.89 dB  
1.0 % 4.83 dB  
0.1 % 5.49 dB  
0.01 % 5.81 dB  
0.001 % 5.87 dB  
0.0001 % 5.88 dB  
Peak 5.88 dB  
28.54 dBm

Gaussian



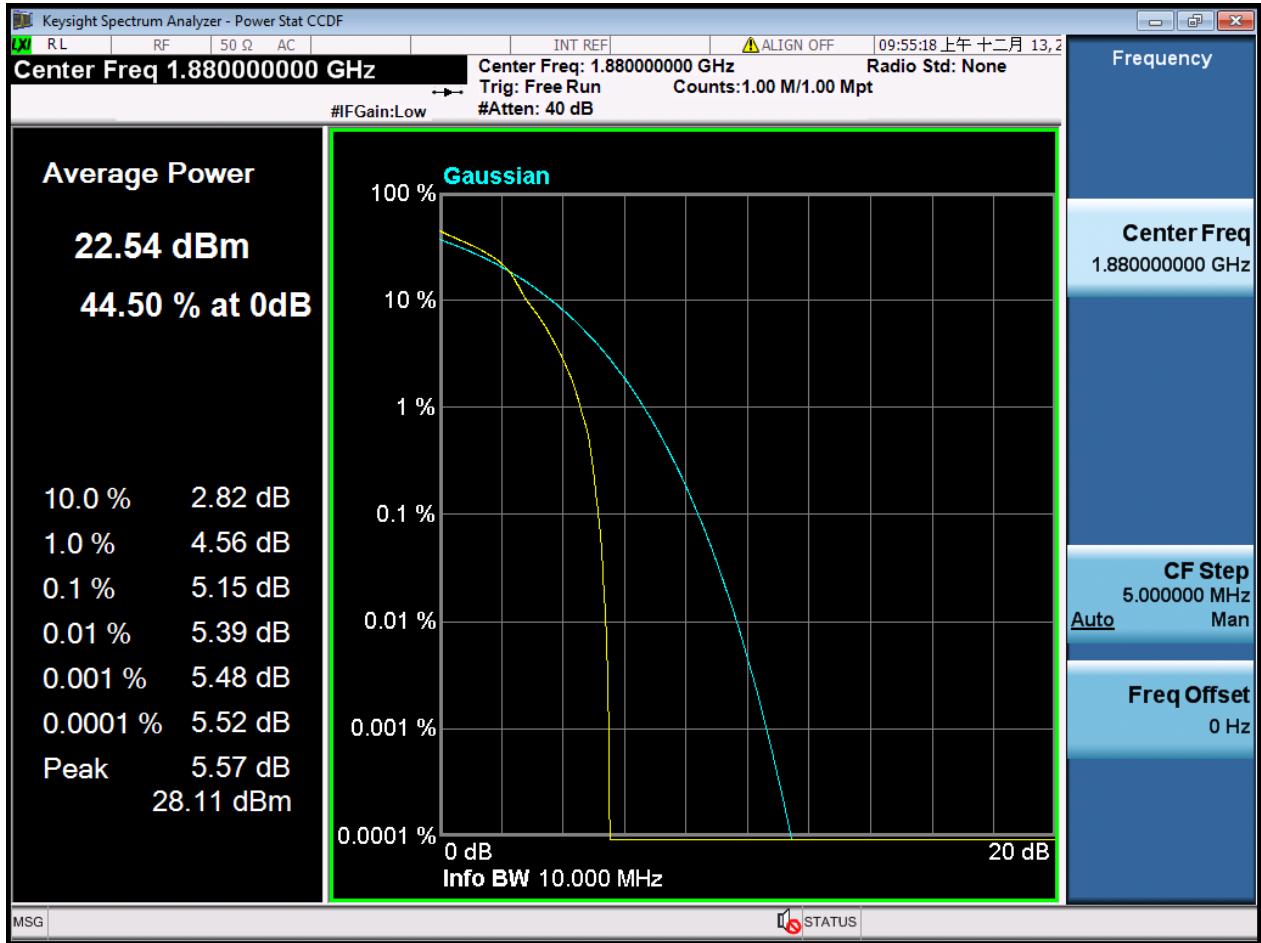
Info BW 10.000 MHz

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

MSG STATUS

**1.52. 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	5.15	13	Pass

Average Power  
**22.54 dBm**  
44.50 % at 0dB

10.0 %	2.82 dB
1.0 %	4.56 dB
0.1 %	5.15 dB
0.01 %	5.39 dB
0.001 %	5.48 dB
0.0001 %	5.52 dB
Peak	5.57 dB
	28.11 dBm

**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	6.62	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 09:55:22 上午 十二月 13, 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 21.31 dBm  
44.00 % at 0dB

10.0 % 2.77 dB  
1.0 % 5.14 dB  
0.1 % 6.62 dB  
0.01 % 7.46 dB  
0.001 % 7.88 dB  
0.0001 % 7.98 dB  
Peak 7.99 dB  
29.30 dBm

Gaussian

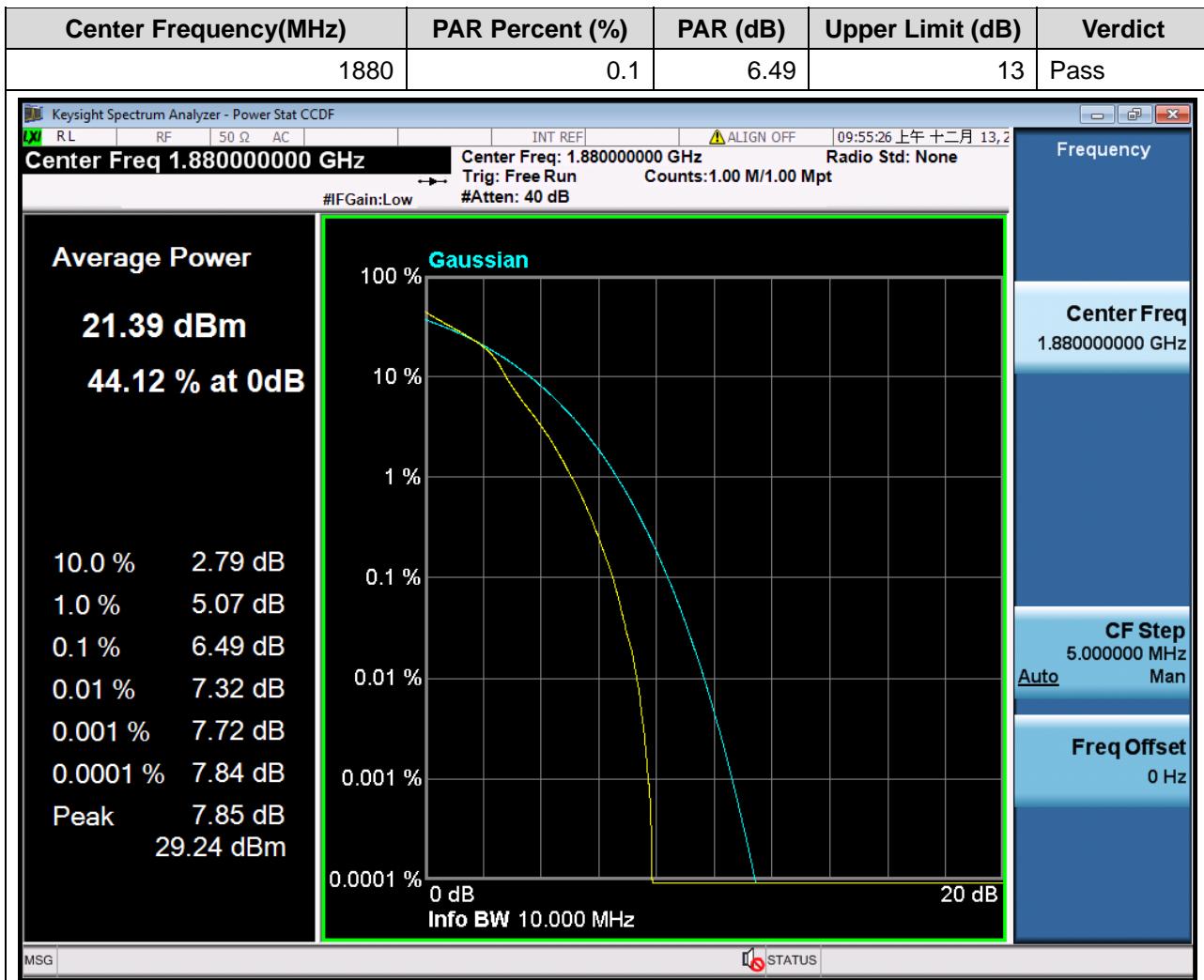


0.0001 % 0 dB 20 dB Info BW 10.000 MHz

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

MSG STATUS

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



**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	6.33	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 09:55:30 上午 十二月 13, 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  
21.45 dBm  
44.59 % at 0dB

10.0 % 2.80 dB  
1.0 % 4.98 dB  
0.1 % 6.33 dB  
0.01 % 7.17 dB  
0.001 % 7.55 dB  
0.0001 % 7.65 dB  
Peak 7.66 dB  
29.11 dBm

Gaussian



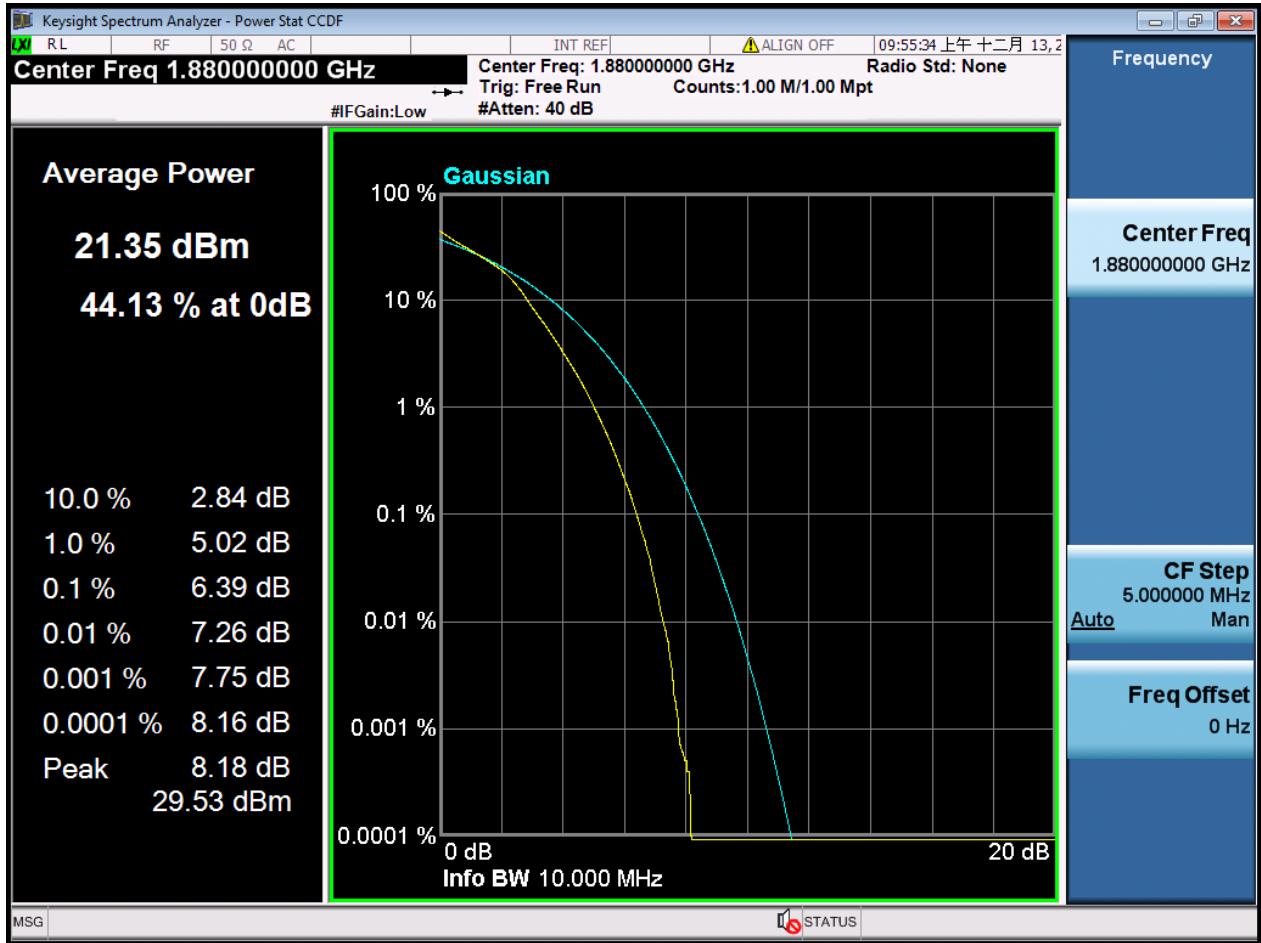
0.0001 % 0 dB 20 dB Info BW 10.000 MHz

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

MSG STATUS

**1.56. 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	6.39	13	Pass

<b>Average Power</b>	
<b>21.35 dBm</b>	
<b>44.13 % at 0dB</b>	
10.0 %	2.84 dB
1.0 %	5.02 dB
0.1 %	6.39 dB
0.01 %	7.26 dB
0.001 %	7.75 dB
0.0001 %	8.16 dB
Peak	8.18 dB
	29.53 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	4.94	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 09:55:43 上午 十二月 13, 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  
23.25 dBm  
46.41 % at 0dB

10.0 % 2.61 dB  
1.0 % 4.24 dB  
0.1 % 4.94 dB  
0.01 % 5.26 dB  
0.001 % 5.36 dB  
0.0001 % 5.37 dB  
Peak 5.38 dB  
28.63 dBm

Gaussian



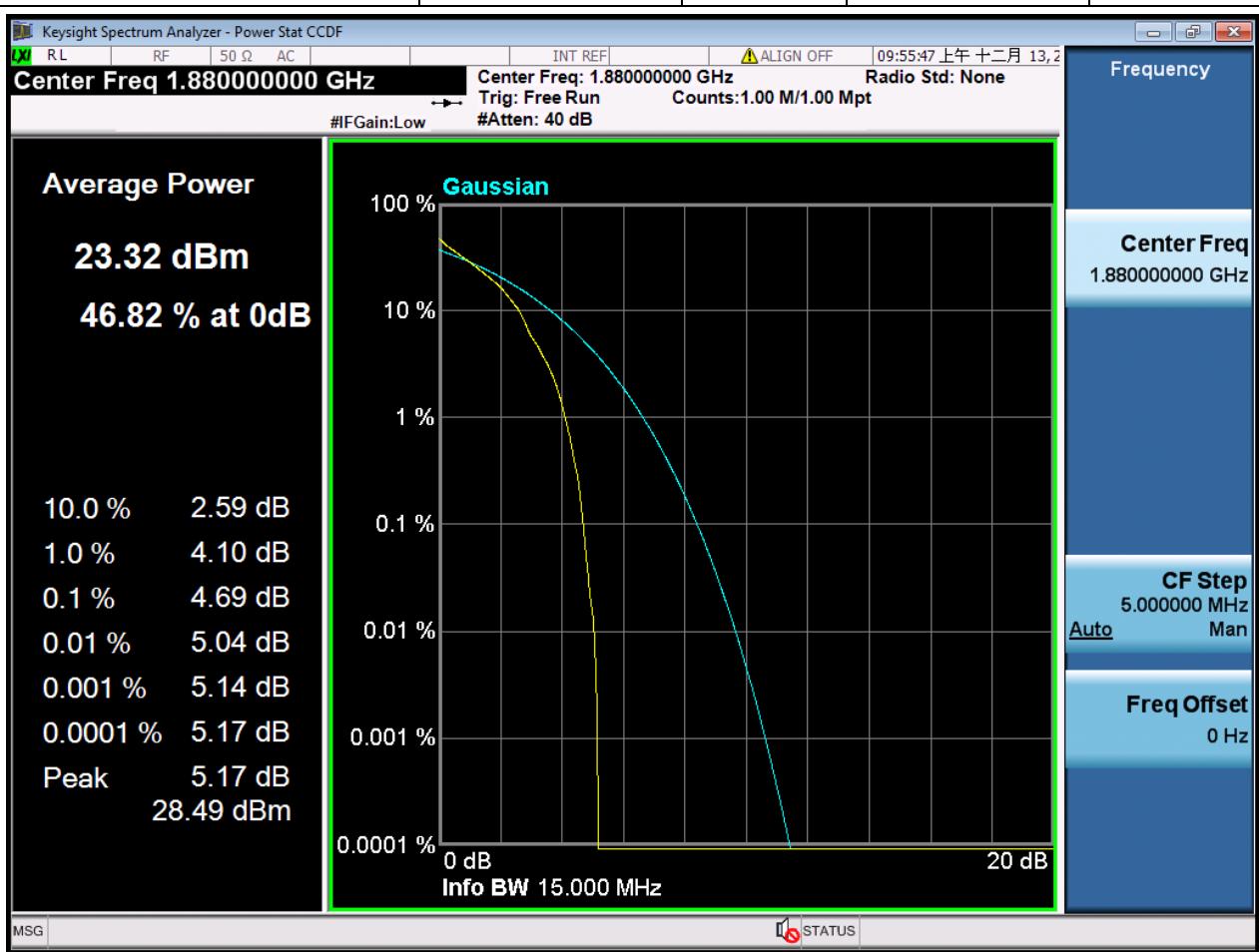
Info BW 15.000 MHz

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

MSG STATUS

**1.58. 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	4.69	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	3.94	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 09:55:51 上午 十二月 13, 2018

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

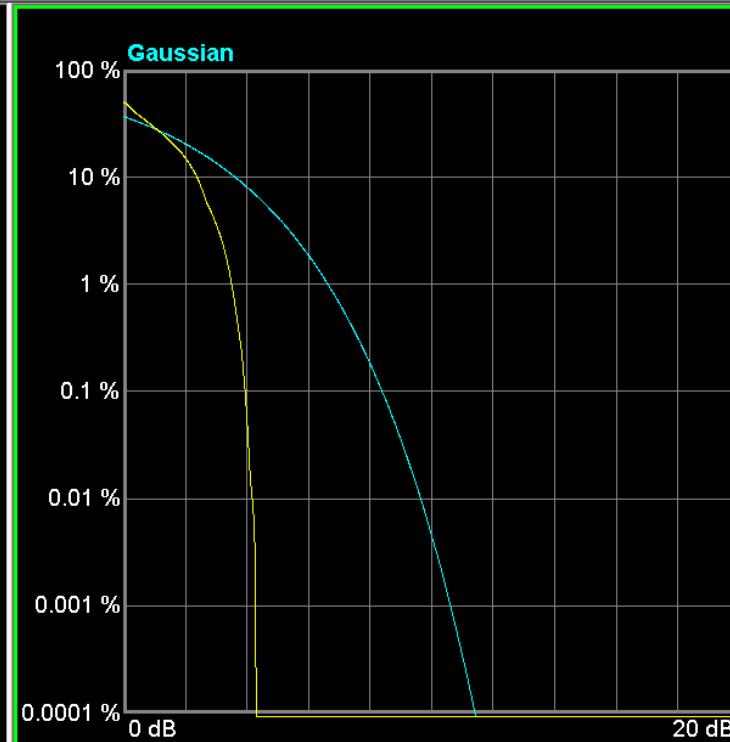
Trig: Free Run Counts: 1.00 M/1.00 Mpt

#IFGain:Low #Atten: 40 dB

Average Power  
23.33 dBm  
50.26 % at 0dB

10.0 % 2.38 dB  
1.0 % 3.50 dB  
0.1 % 3.94 dB  
0.01 % 4.18 dB  
0.001 % 4.28 dB  
0.0001 % 4.29 dB  
Peak 4.30 dB  
27.63 dBm

Gaussian



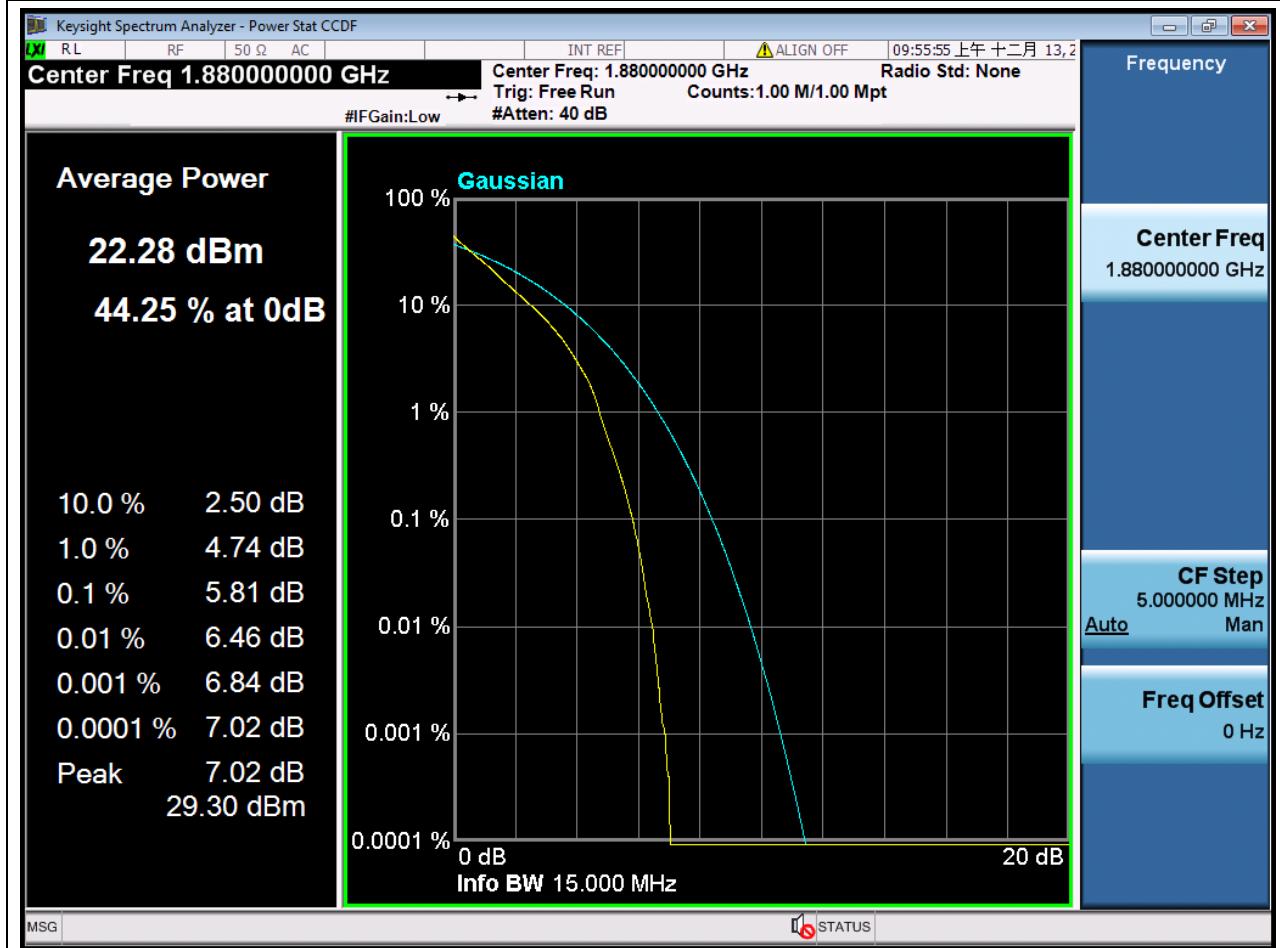
Info BW 15.000 MHz

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

MSG STATUS

**1.60. 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	5.81	13	Pass



**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	5.62	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 09:55:59 上午 十二月 13, 2018

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

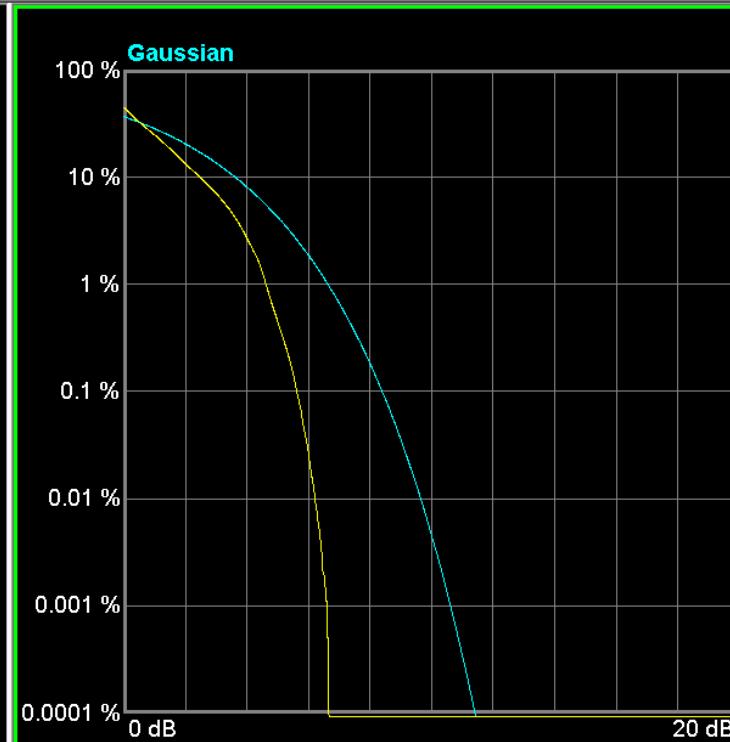
Trig: Free Run Counts: 1.00 M/1.00 Mpt

#IFGain:Low #Atten: 40 dB

Average Power  
22.36 dBm  
44.74 % at 0dB

10.0 % 2.47 dB  
1.0 % 4.62 dB  
0.1 % 5.62 dB  
0.01 % 6.20 dB  
0.001 % 6.59 dB  
0.0001 % 6.65 dB  
Peak 6.66 dB  
29.02 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

**1.62. 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	5.34	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 09:56:03 上午 十二月 13, 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  
22.46 dBm  
46.09 % at 0dB

10.0 % 2.45 dB  
1.0 % 4.40 dB  
0.1 % 5.34 dB  
0.01 % 5.88 dB  
0.001 % 6.29 dB  
0.0001 % 6.50 dB  
Peak 6.51 dB  
28.97 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

**1.63. 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	5.94	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 09:56:07 上午 十二月 13, 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  
22.36 dBm  
45.02 % at 0dB

10.0 % 2.45 dB  
1.0 % 4.73 dB  
0.1 % 5.94 dB  
0.01 % 6.44 dB  
0.001 % 6.96 dB  
0.0001 % 7.18 dB  
Peak 7.22 dB  
29.58 dBm

Gaussian



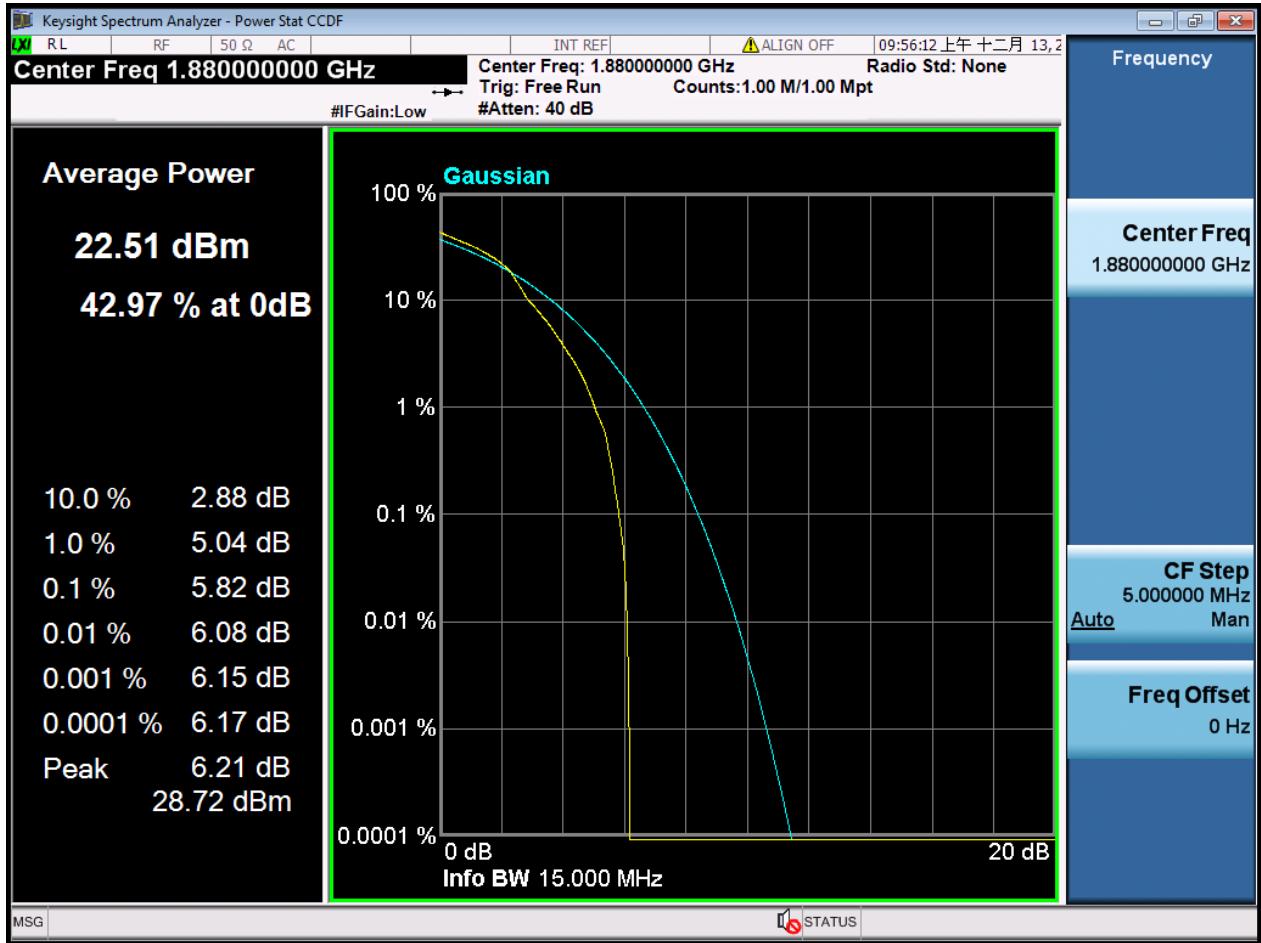
0.0001 % 0 dB 20 dB  
Info BW 15.000 MHz

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

MSG STATUS

**1.64. 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	5.82	13	Pass



**Average Power**  
**22.51 dBm**  
**42.97 % at 0dB**

10.0 %	2.88 dB
1.0 %	5.04 dB
0.1 %	5.82 dB
0.01 %	6.08 dB
0.001 %	6.15 dB
0.0001 %	6.17 dB
Peak	6.21 dB
	28.72 dBm

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

**CF Step**  
**5.000000 MHz**

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

**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	5.59	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 09:56:16 上午 十二月 13, 2016

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  
43.16 % at 0dB

10.0 % 2.91 dB  
1.0 % 4.92 dB  
0.1 % 5.59 dB  
0.01 % 5.88 dB  
0.001 % 5.94 dB  
0.0001 % 5.97 dB  
Peak 5.97 dB  
28.53 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

**1.66. 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	4.87	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 09:56:20 上午 十二月 13, 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  
22.50 dBm  
45.31 % at 0dB

10.0 % 2.77 dB  
1.0 % 4.33 dB  
0.1 % 4.87 dB  
0.01 % 5.09 dB  
0.001 % 5.13 dB  
0.0001 % 5.16 dB  
Peak 5.30 dB  
27.80 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	6.57	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 09:56:24 上午 十二月 13, 2018

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

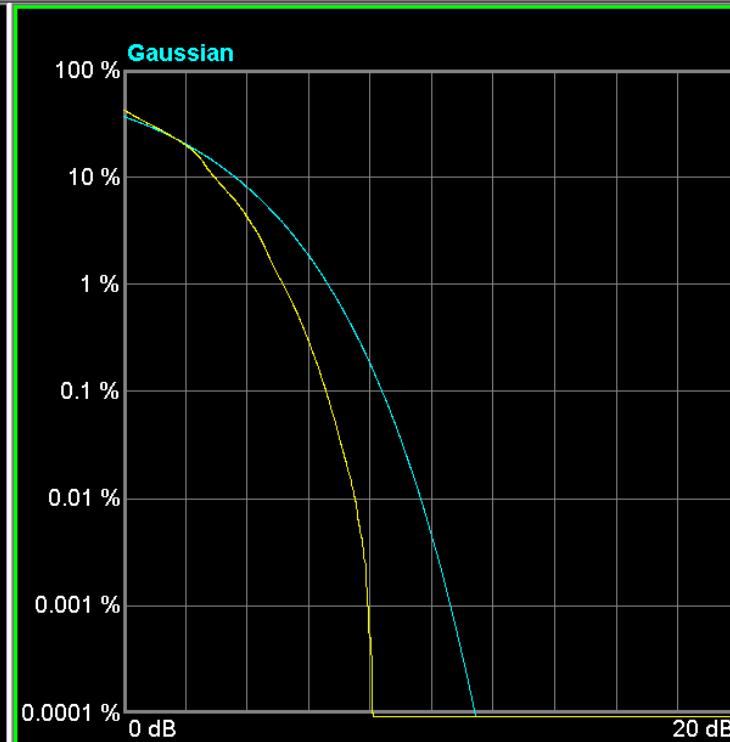
Trig: Free Run Counts: 1.00 M/1.00 Mpt

#IFGain:Low #Atten: 40 dB

Average Power  
21.26 dBm  
42.73 % at 0dB

10.0 % 2.95 dB  
1.0 % 5.17 dB  
0.1 % 6.57 dB  
0.01 % 7.52 dB  
0.001 % 7.92 dB  
0.0001 % 8.07 dB  
Peak 8.10 dB  
29.36 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

**1.68. 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	6.42	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 09:56:28 上午 十二月 13, 2018

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

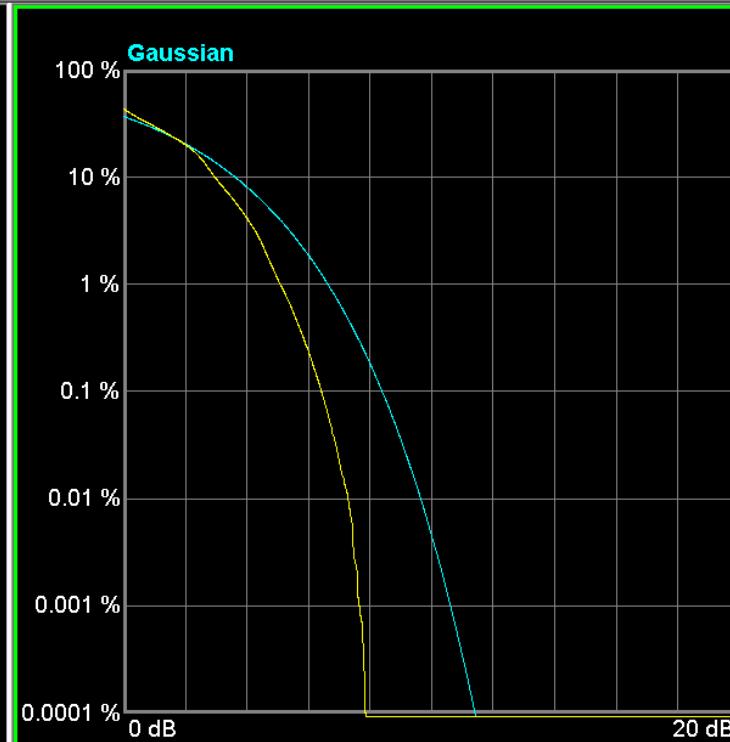
Trig: Free Run Counts: 1.00 M/1.00 Mpt

#IFGain:Low #Atten: 40 dB

Average Power  
21.36 dBm  
43.19 % at 0dB

10.0 % 2.96 dB  
1.0 % 5.08 dB  
0.1 % 6.42 dB  
0.01 % 7.29 dB  
0.001 % 7.64 dB  
0.0001 % 7.82 dB  
Peak 7.86 dB  
29.22 dBm

Gaussian



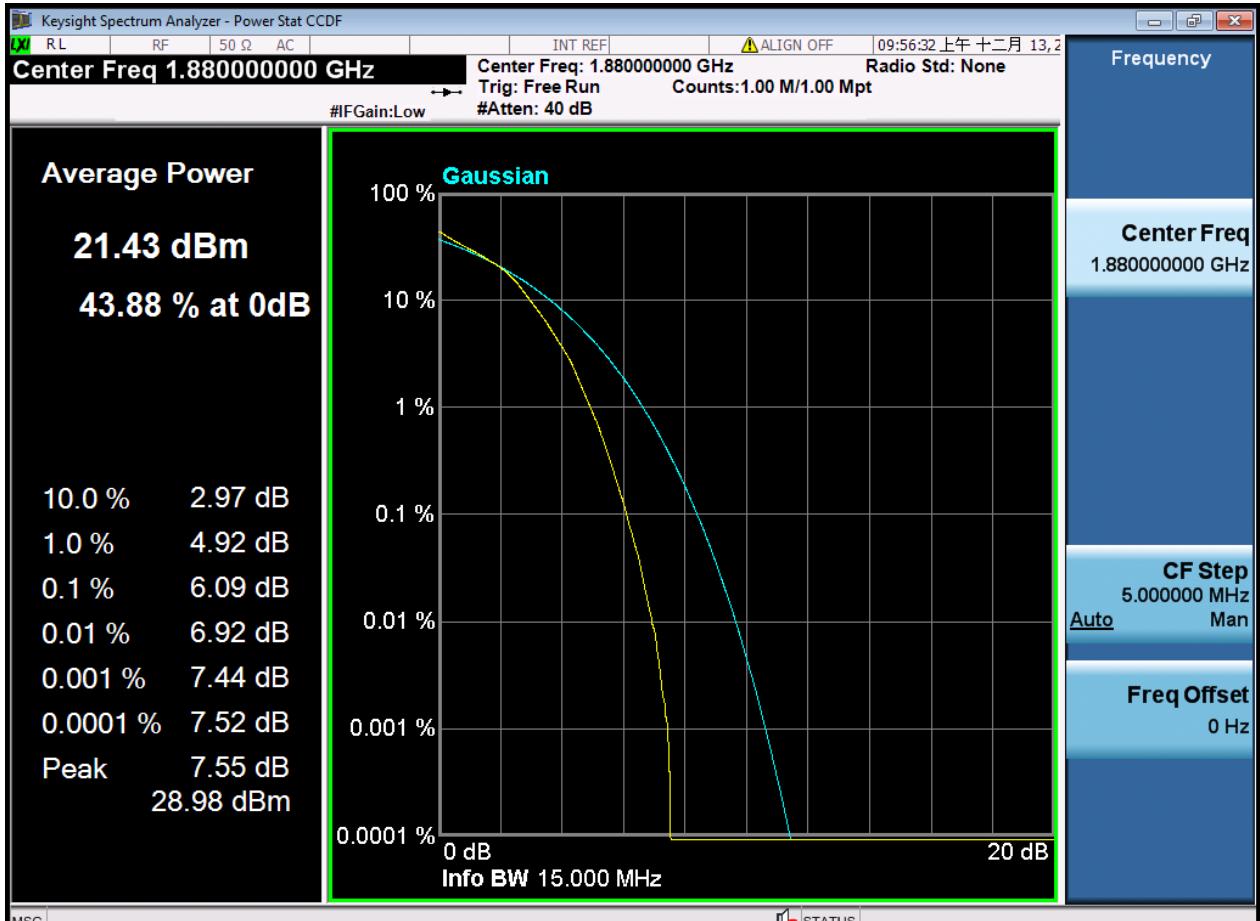
0.0001 % 0 dB 20 dB  
Info BW 15.000 MHz

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

MSG STATUS

**1.69. 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	6.09	13	Pass



**Average Power**  
**21.43 dBm**  
**43.88 % at 0dB**

10.0 %	2.97 dB
1.0 %	4.92 dB
0.1 %	6.09 dB
0.01 %	6.92 dB
0.001 %	7.44 dB
0.0001 %	7.52 dB
Peak	7.55 dB
	28.98 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

**1.70. 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	6.45	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 09:56:36 上午 十二月 13, 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  
21.37 dBm  
43.44 % at 0dB

10.0 % 2.96 dB  
1.0 % 5.23 dB  
0.1 % 6.45 dB  
0.01 % 7.27 dB  
0.001 % 7.74 dB  
0.0001 % 7.89 dB  
Peak 7.93 dB  
29.30 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

**1.71. 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	4.77	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 09:56:44 上午 十二月 13, 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  
23.16 dBm  
46.26 % at 0dB

10.0 % 2.57 dB  
1.0 % 4.09 dB  
0.1 % 4.77 dB  
0.01 % 5.07 dB  
0.001 % 5.32 dB  
0.0001 % 5.37 dB  
Peak 5.39 dB  
28.55 dBm

Gaussian



Info BW 20.000 MHz

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

MSG STATUS

**1.72. 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	4.57	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 09:56:48 上午 十二月 13, 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  
23.44 dBm  
46.54 % at 0dB

10.0 % 2.52 dB  
1.0 % 3.92 dB  
0.1 % 4.57 dB  
0.01 % 5.00 dB  
0.001 % 5.11 dB  
0.0001 % 5.12 dB  
Peak 5.13 dB  
28.57 dBm

Gaussian



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	3.69	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 09:56:52 上午 十二月 13, 2018

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

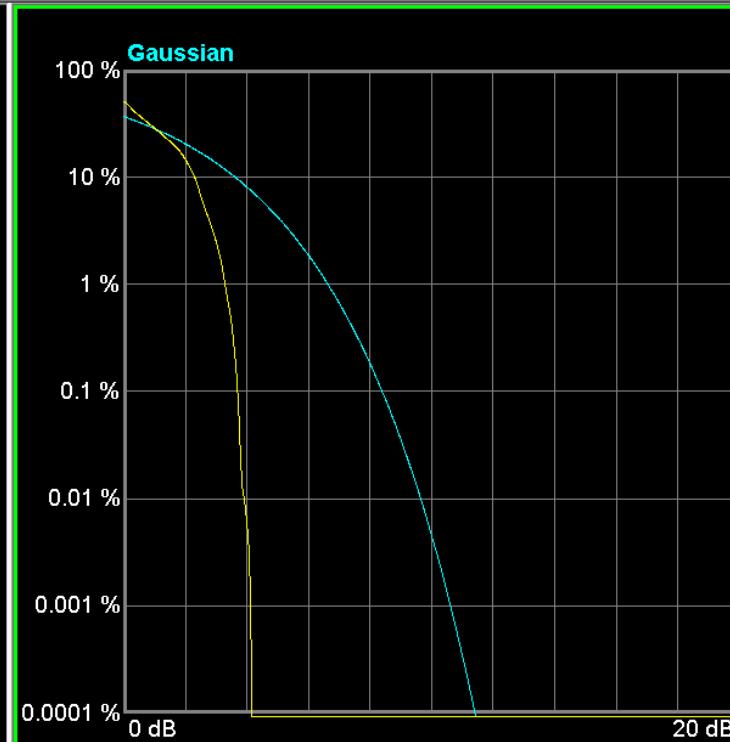
Trig: Free Run Counts: 1.00 M/1.00 Mpt

#IFGain:Low #Atten: 40 dB

Average Power  
23.20 dBm  
51.24 % at 0dB

10.0 % 2.30 dB  
1.0 % 3.29 dB  
0.1 % 3.70 dB  
0.01 % 3.91 dB  
0.001 % 4.12 dB  
0.0001 % 4.15 dB  
Peak 4.16 dB  
27.36 dBm

Gaussian



Info BW 20.000 MHz

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

MSG STATUS

**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	5.81	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 09:56:56 上午 十二月 13, 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 22.29 dBm  
45.11 % at 0dB

10.0 % 2.31 dB  
1.0 % 4.57 dB  
0.1 % 5.81 dB  
0.01 % 6.57 dB  
0.001 % 7.08 dB  
0.0001 % 7.24 dB  
Peak 7.32 dB  
29.61 dBm

Gaussian



0.0001 % 0 dB 20 dB 20.000 MHz

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

MSG STATUS

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

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	5.64	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 09:57:00 上午 十二月 13, 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 22.35 dBm  
45.60 % at 0dB

10.0 % 2.31 dB  
1.0 % 4.48 dB  
0.1 % 5.64 dB  
0.01 % 6.34 dB  
0.001 % 6.77 dB  
0.0001 % 7.04 dB  
Peak 7.12 dB  
29.47 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

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 09:57:04 上午 十二月 13, 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  
22.47 dBm  
47.42 % at 0dB

10.0 % 2.27 dB  
1.0 % 4.18 dB  
0.1 % 5.21 dB  
0.01 % 5.82 dB  
0.001 % 6.18 dB  
0.0001 % 6.56 dB  
Peak 6.56 dB  
29.03 dBm

Gaussian



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

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

**1.77. 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	5.61	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 09:57:08 上午 十二月 13, 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 22.37 dBm  
46.21 % at 0dB

10.0 % 2.34 dB  
1.0 % 4.43 dB  
0.1 % 5.61 dB  
0.01 % 6.25 dB  
0.001 % 6.69 dB  
0.0001 % 6.98 dB  
Peak 7.15 dB  
29.52 dBm

Gaussian



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

Info BW 20.000 MHz

Frequency Center Freq 1.880000000 GHz CF Step 5.000000 MHz Man Auto 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	5.67	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 09:57:12 上午 十二月 13, 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  
22.47 dBm  
43.46 % at 0dB

10.0 % 2.78 dB  
1.0 % 4.88 dB  
0.1 % 5.67 dB  
0.01 % 5.98 dB  
0.001 % 6.11 dB  
0.0001 % 6.15 dB  
Peak 6.15 dB  
28.62 dBm

Gaussian



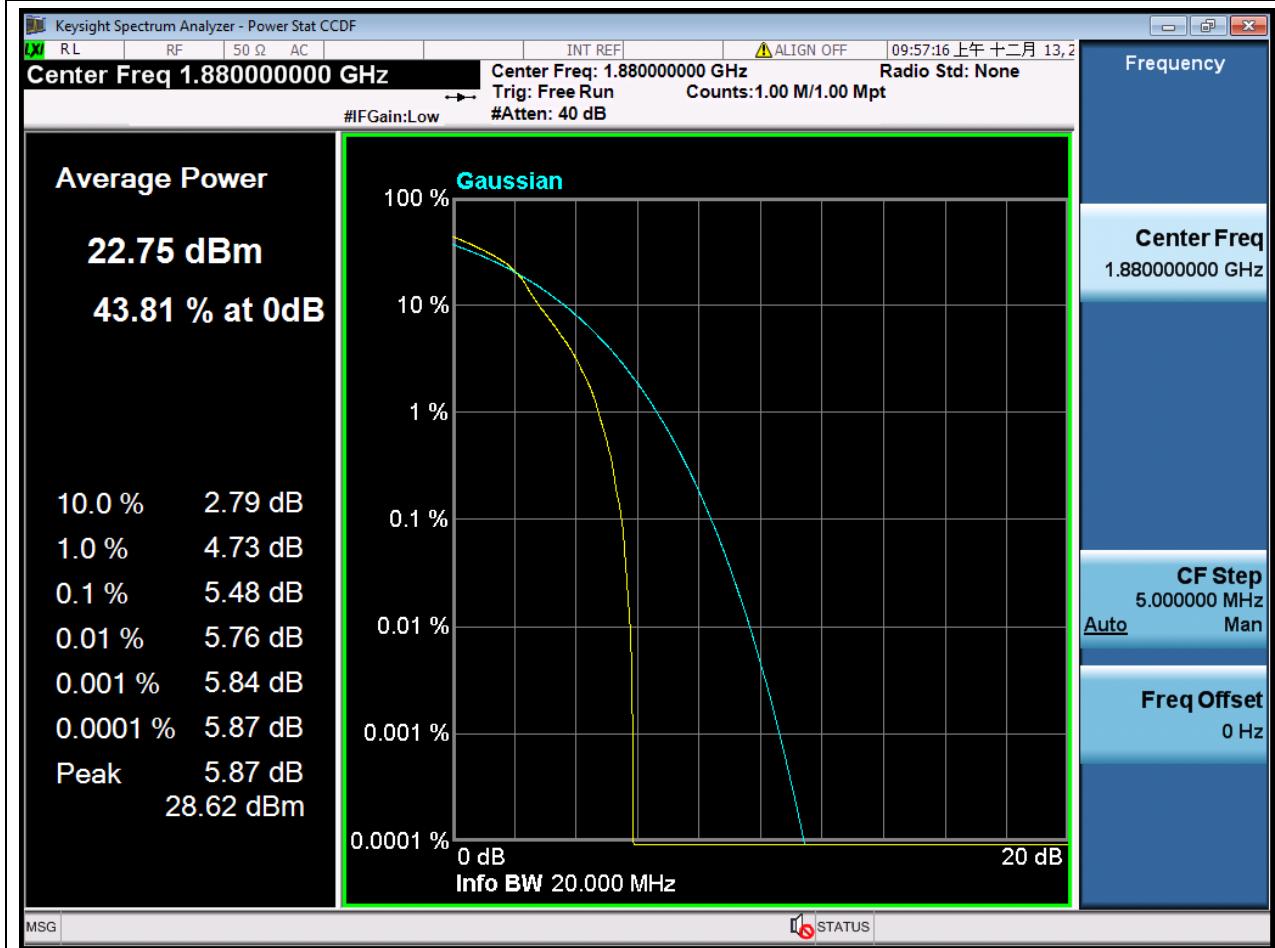
Info BW 20.000 MHz

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

MSG STATUS

**1.79. 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	5.48	13	Pass



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

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	4.57	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 09:57:21 上午 十二月 13, 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  
22.44 dBm  
46.39 % at 0dB

10.0 % 2.61 dB  
1.0 % 4.05 dB  
0.1 % 4.57 dB  
0.01 % 4.85 dB  
0.001 % 4.95 dB  
0.0001 % 5.00 dB  
Peak 5.07 dB  
27.51 dBm

Gaussian



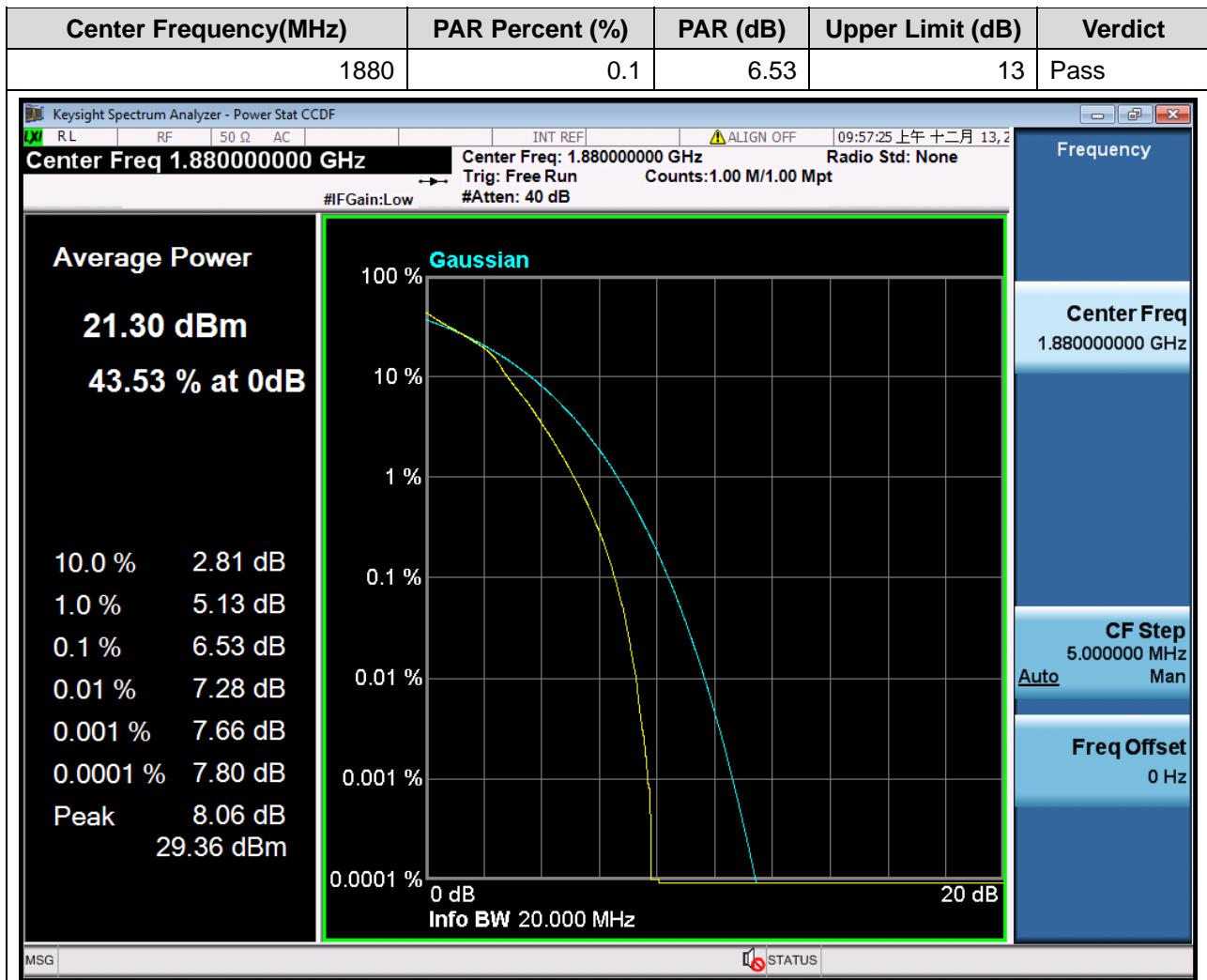
0.0001 % 0.001 % 0.01 % 0.1 % 1 % 10 % 100 %

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

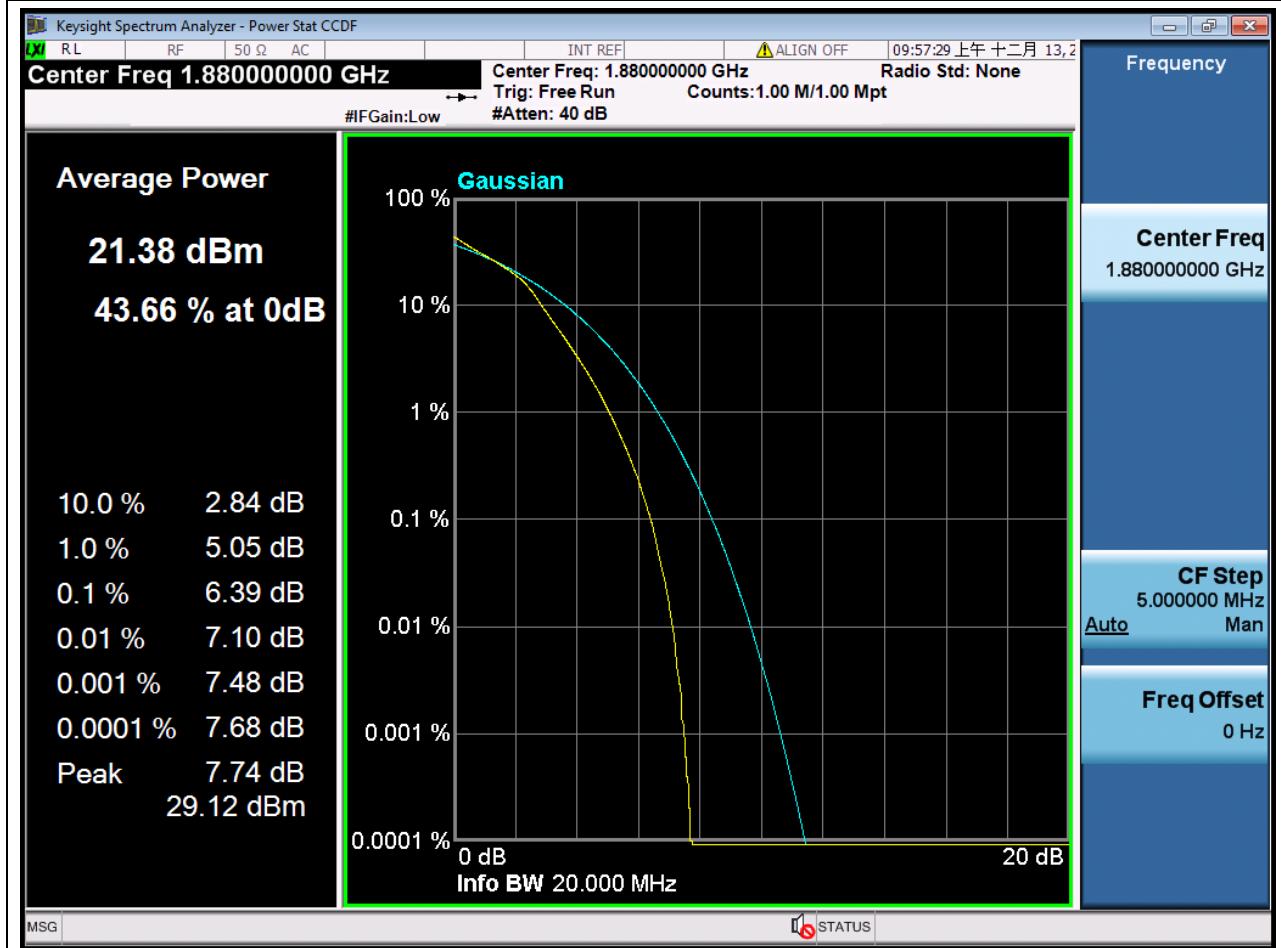
MSG STATUS

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



**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	6.39	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	6	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 09:57:33 上午 十二月 13, 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  
21.49 dBm  
45.14 % at 0dB

10.0 % 2.85 dB  
1.0 % 4.84 dB  
0.1 % 6.00 dB  
0.01 % 6.65 dB  
0.001 % 6.97 dB  
0.0001 % 7.05 dB  
Peak 7.10 dB  
28.59 dBm

Gaussian

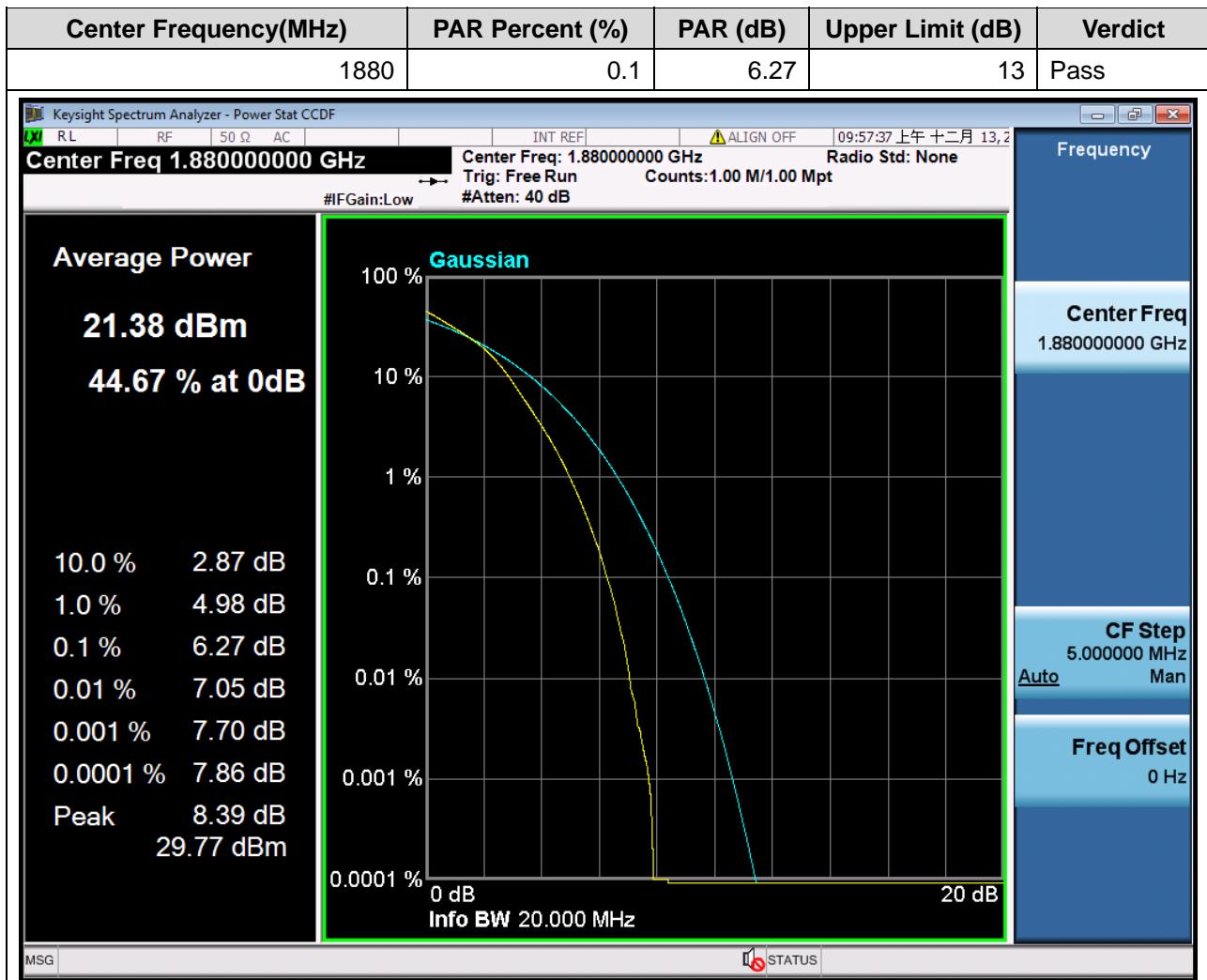


0.0001 % 0 dB 20 dB 20.000 MHz

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)**



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END