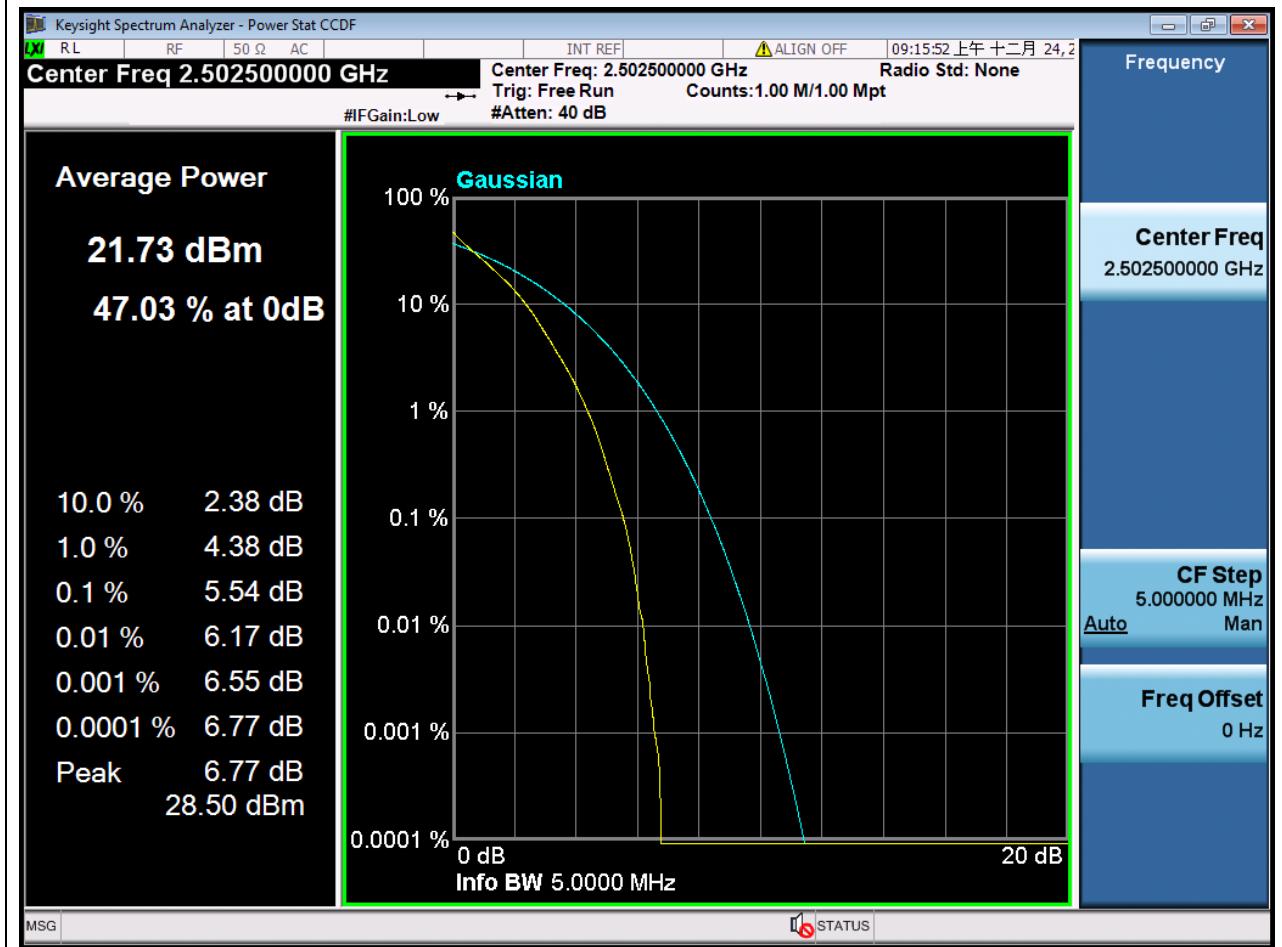


Annex B. LTE Peak to Average Ratio

1. LTE_Band7

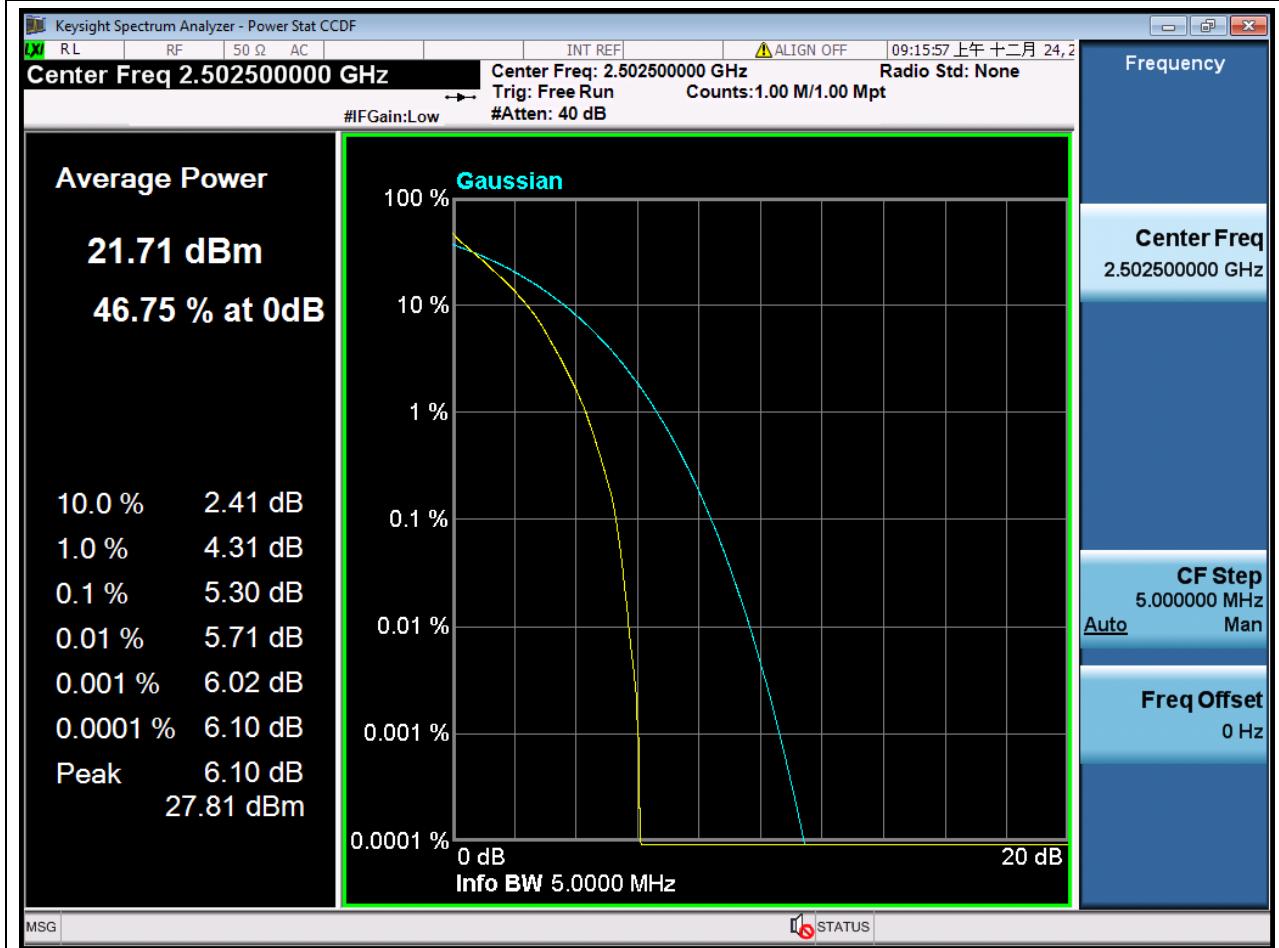
1.1. LTE Peak to Average Ratio(NTNV)(Subtest:1, Channel:20775, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2502.5	0.1	5.54	13	Pass



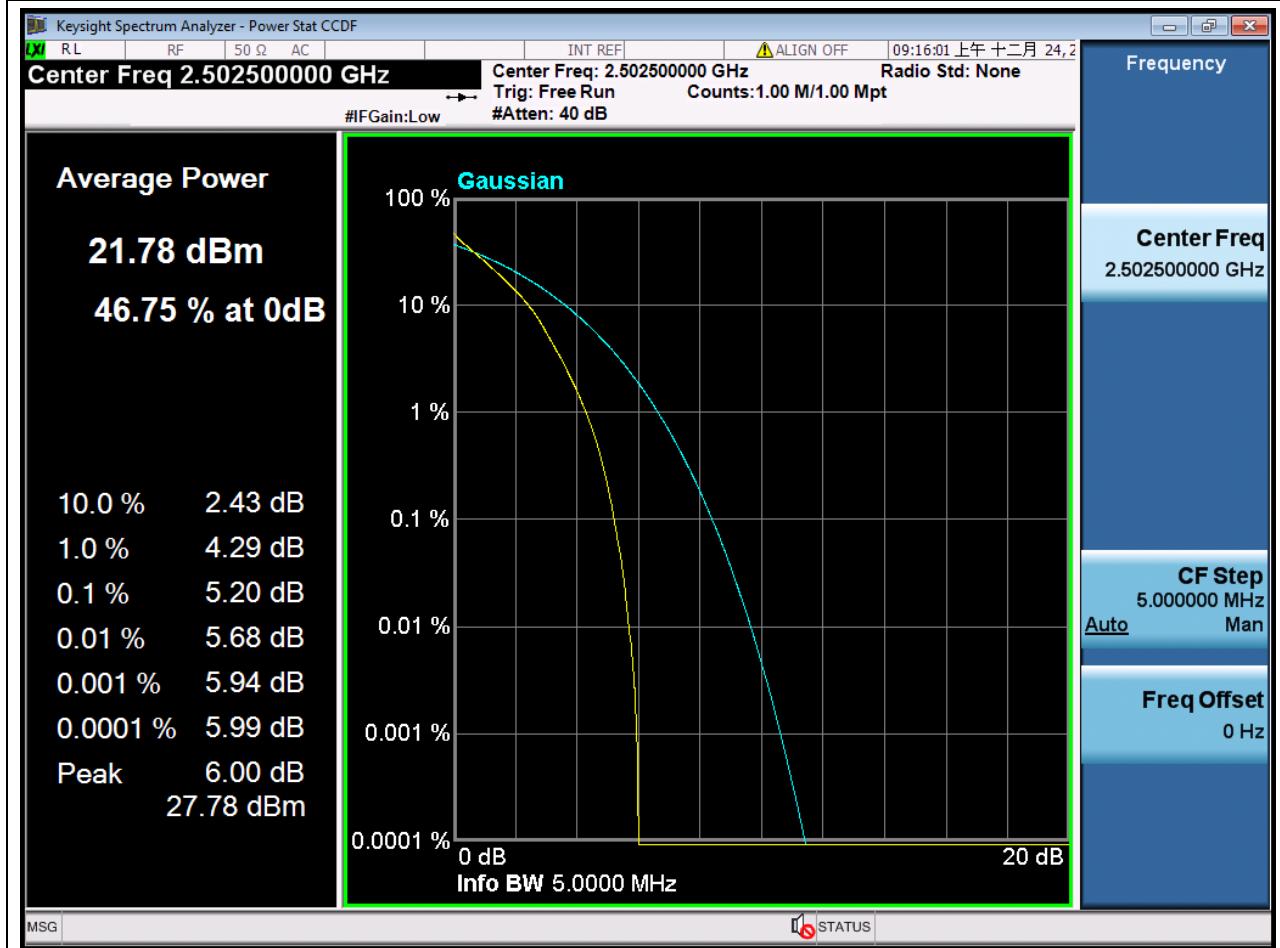
1.2. LTE Peak to Average Ratio(NTNV)(Subtest:2, Channel:20775, Bandwidth:5, Modulation:QPSK, RB Number: 12, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2502.5	0.1	5.3	13	Pass



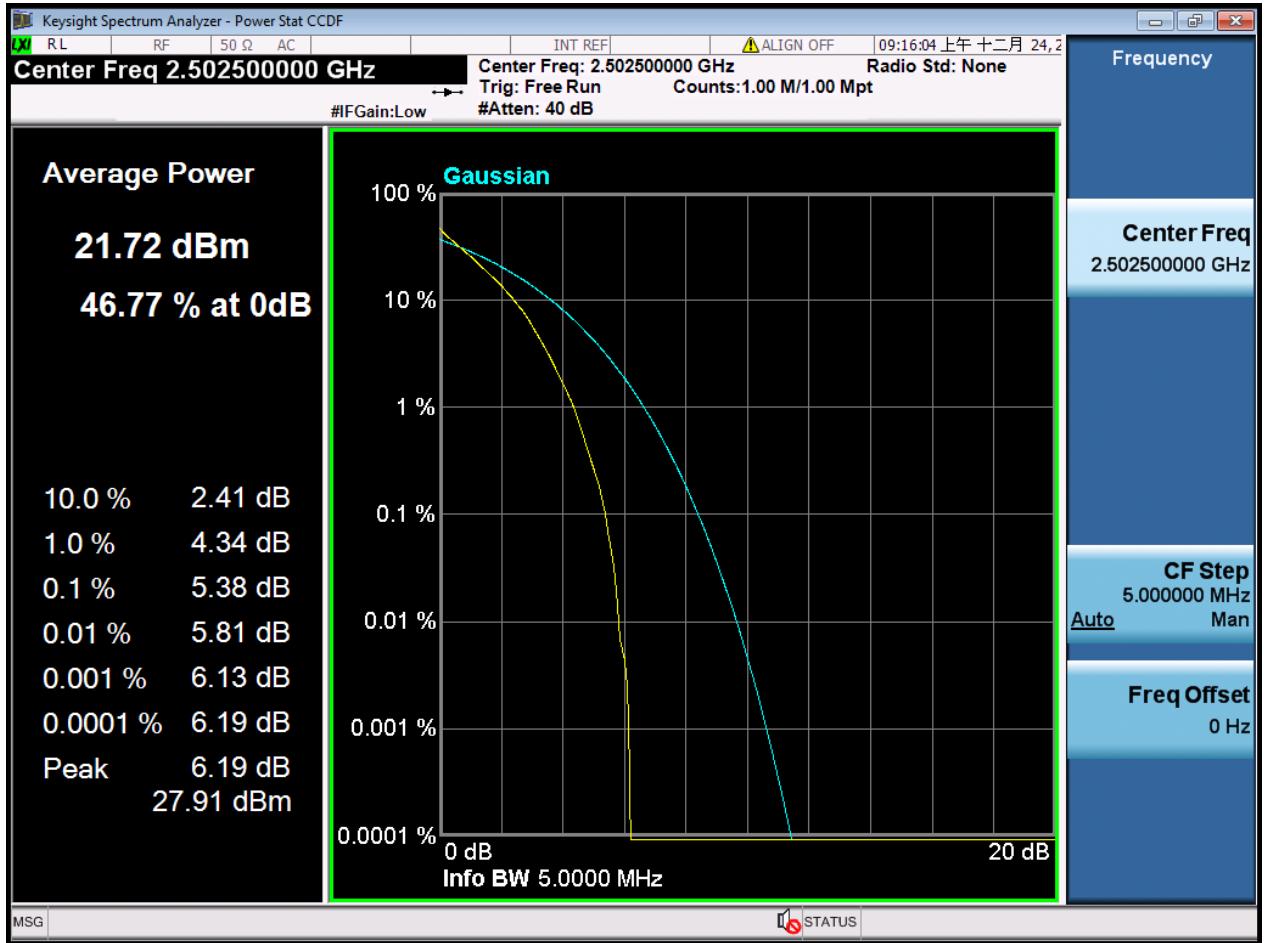
1.3. LTE Peak to Average Ratio(NTNV)(Subtest:3, Channel:20775, Bandwidth:5, Modulation:QPSK, RB Number: 12, RB Position:MID)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2502.5	0.1	5.2	13	Pass



1.4. LTE Peak to Average Ratio(NTNV)(Subtest:4, Channel:20775, Bandwidth:5, Modulation:QPSK, RB Number: 12, RB Position:HIGH)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2502.5	0.1	5.38	13	Pass

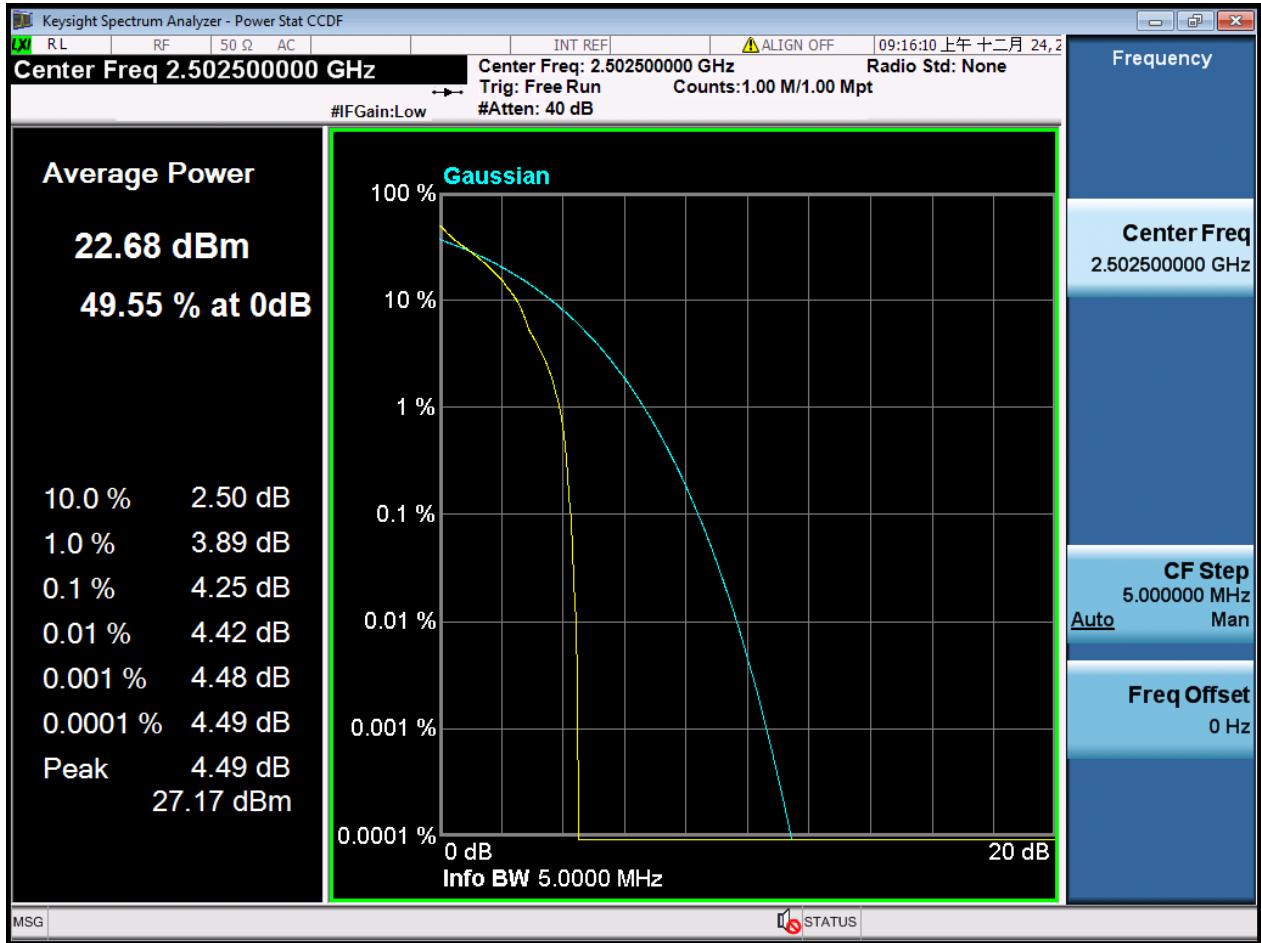


Average Power
21.72 dBm
46.77 % at 0dB

10.0 %	2.41 dB
1.0 %	4.34 dB
0.1 %	5.38 dB
0.01 %	5.81 dB
0.001 %	6.13 dB
0.0001 %	6.19 dB
Peak	6.19 dB
	27.91 dBm

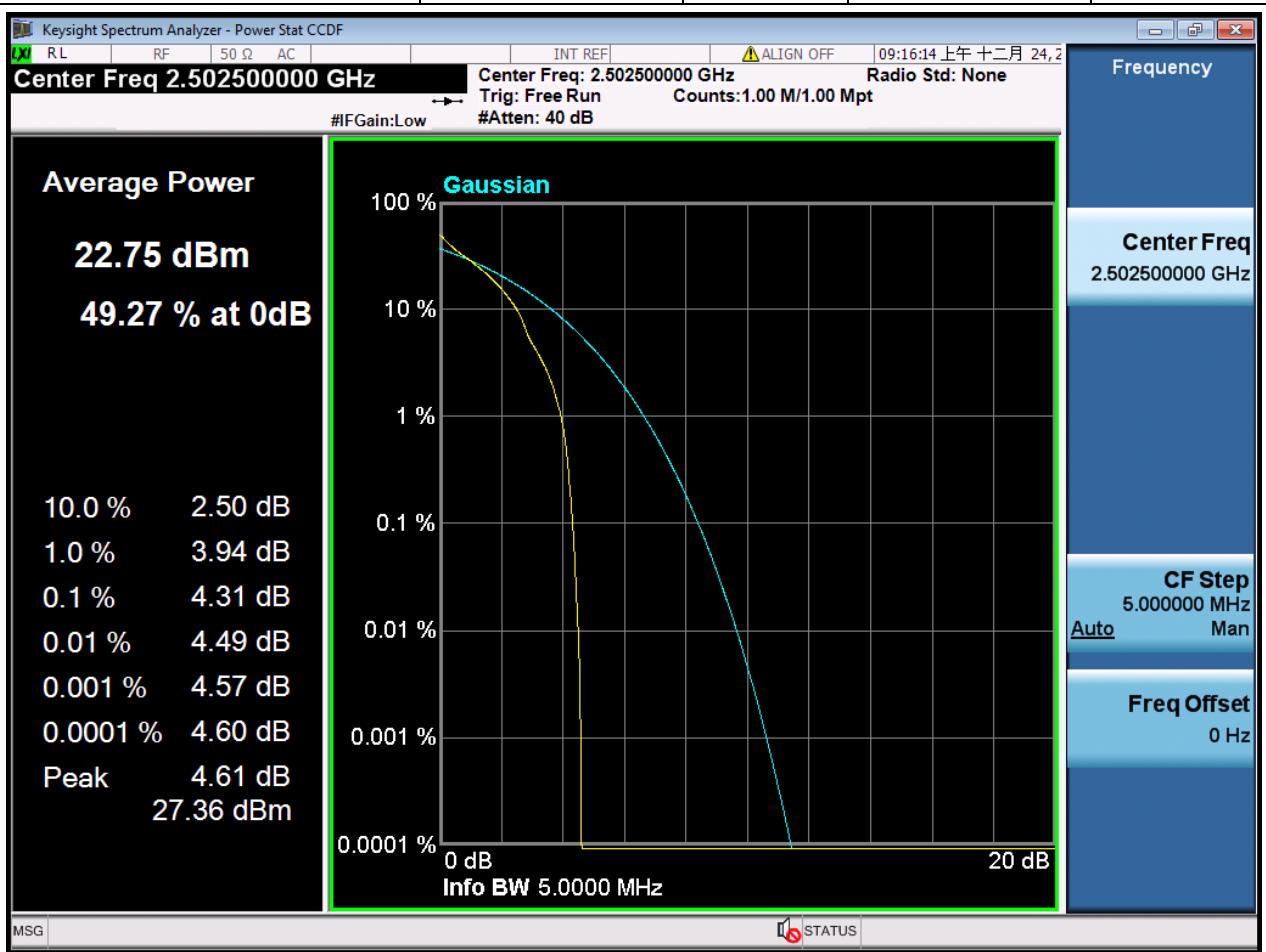
1.5. LTE Peak to Average Ratio(NTNV)(Subtest:5, Channel:20775, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2502.5	0.1	4.25	13	Pass



1.6. LTE Peak to Average Ratio(NTNV)(Subtest:6, Channel:20775, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:MID)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2502.5	0.1	4.31	13	Pass

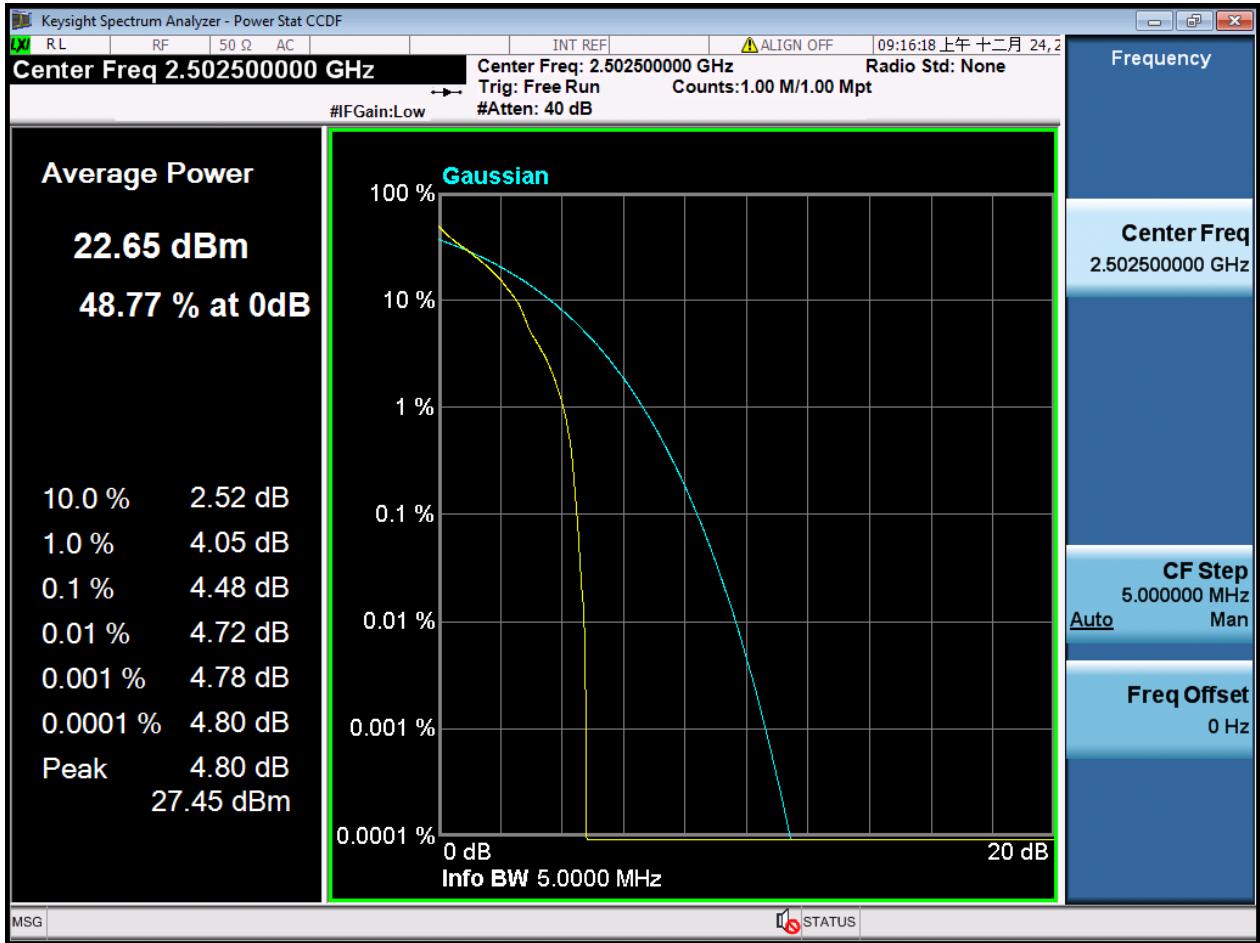


The screenshot shows the Keysight Spectrum Analyzer interface with the following details:

- Center Freq:** 2.502500000 GHz
- Radio Std:** None
- Trig:** Free Run
- Counts:** 1.00 M/1.00 Mpt
- #IFGain:** Low
- #Atten:** 40 dB
- Average Power:** 22.75 dBm
- 49.27 % at 0dB**
- Peak:** 4.61 dB
- 27.36 dBm**
- Info BW:** 5.0000 MHz
- Gaussian Fit:** The plot shows a Gaussian-like curve representing the power spectral density.
- Y-axis:** Logarithmic scale from 0.0001% to 100%.
- X-axis:** Linear scale from 0 dB to 20 dB.

1.7. LTE Peak to Average Ratio(NTNV)(Subtest:7, Channel:20775, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2502.5	0.1	4.48	13	Pass



Average Power
22.65 dBm
48.77 % at 0dB

10.0 %	2.52 dB
1.0 %	4.05 dB
0.1 %	4.48 dB
0.01 %	4.72 dB
0.001 %	4.78 dB
0.0001 %	4.80 dB
Peak	4.80 dB
	27.45 dBm

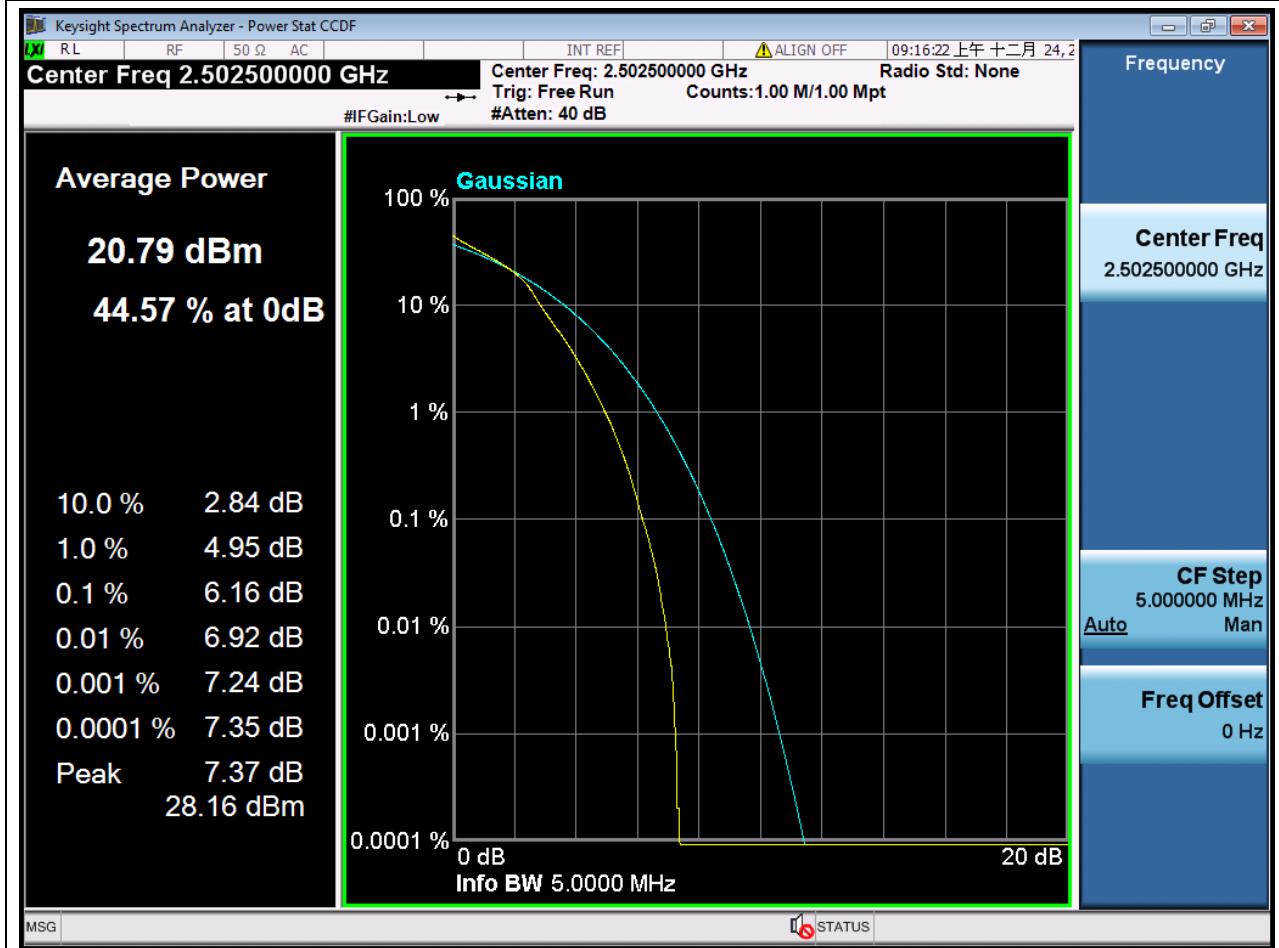
Center Freq 2.502500000 GHz
Center Freq: 2.502500000 GHz Radio Std: None
Trig: Free Run Counts:1.00 M/1.00 Mpt
#IFGain:Low #Atten: 40 dB

Frequency
Center Freq 2.502500000 GHz
CF Step 5.000000 MHz Man
Freq Offset 0 Hz

MSG STATUS

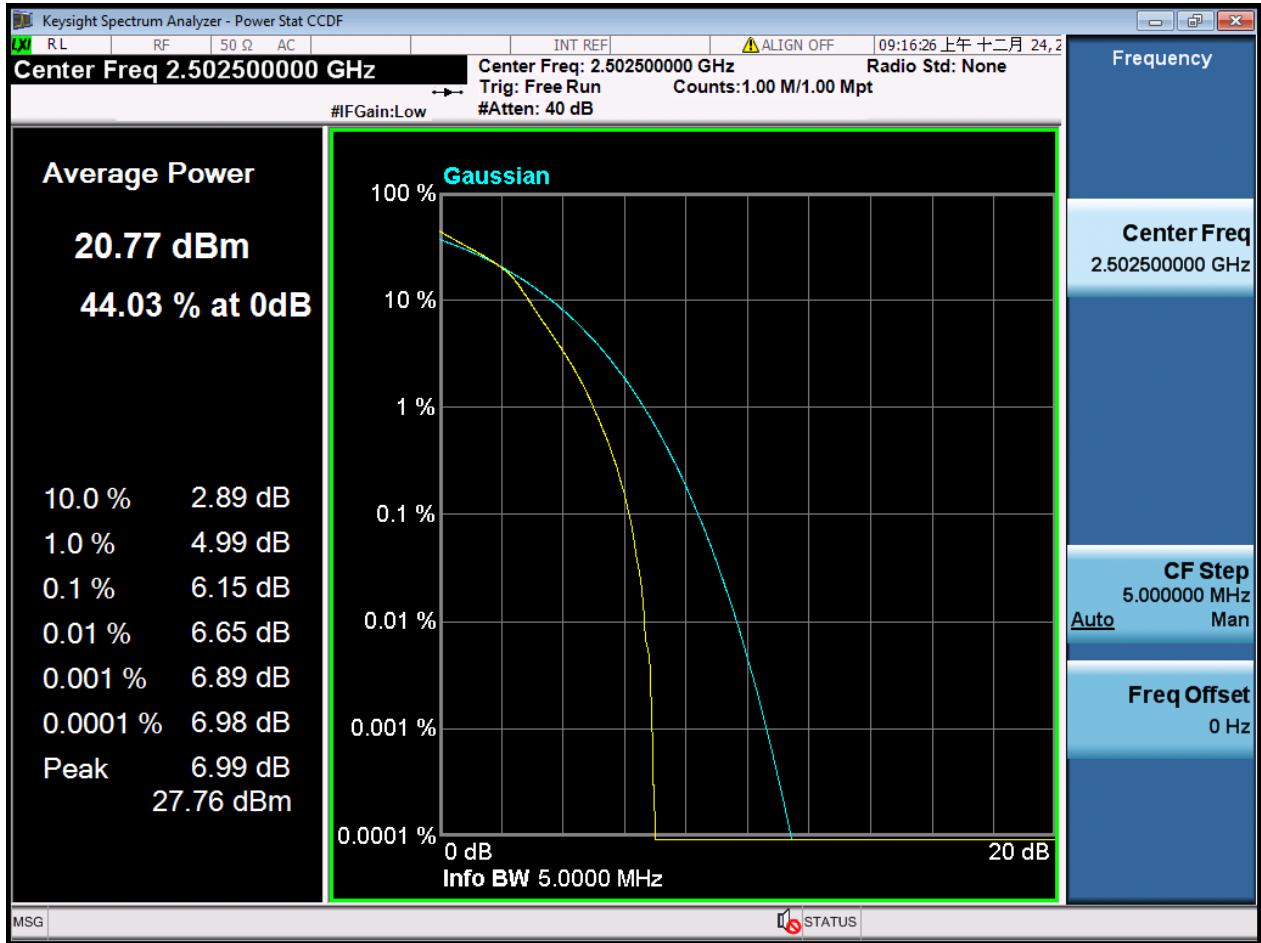
1.8. LTE Peak to Average Ratio(NTNV)(Subtest:8, Channel:20775, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2502.5	0.1	6.16	13	Pass



1.9. LTE Peak to Average Ratio(NTNV)(Subtest:9, Channel:20775, Bandwidth:5, Modulation:Q16, RB Number: 12, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2502.5	0.1	6.15	13	Pass



Average Power
20.77 dBm
44.03 % at 0dB

10.0 %	2.89 dB
1.0 %	4.99 dB
0.1 %	6.15 dB
0.01 %	6.65 dB
0.001 %	6.89 dB
0.0001 %	6.98 dB
Peak	6.99 dB
	27.76 dBm

Center Freq 2.502500000 GHz
Center Freq: 2.502500000 GHz Radio Std: None
Trig: Free Run Counts:1.00 M/1.00 Mpt
#IFGain:Low #Atten: 40 dB

Frequency
Center Freq 2.502500000 GHz
CF Step 5.000000 MHz Man
Auto
Freq Offset 0 Hz

1.10. LTE Peak to Average Ratio(NTNV)(Subtest:10, Channel:20775, Bandwidth:5, Modulation:Q16, RB Number: 12, RB Position:MID)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2502.5	0.1	6.1	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 09:16:30 上午 十二月 24, 2018

Center Freq 2.502500000 GHz Center Freq: 2.502500000 GHz Radio Std: None

Trig: Free Run Counts: 1.00 M/1.00 Mpt

#IFGain:Low #Atten: 40 dB

Average Power
20.83 dBm
43.78 % at 0dB

10.0 % 2.89 dB
1.0 % 5.03 dB
0.1 % 6.10 dB
0.01 % 6.53 dB
0.001 % 6.83 dB
0.0001 % 6.92 dB
Peak 6.94 dB
27.77 dBm

Gaussian



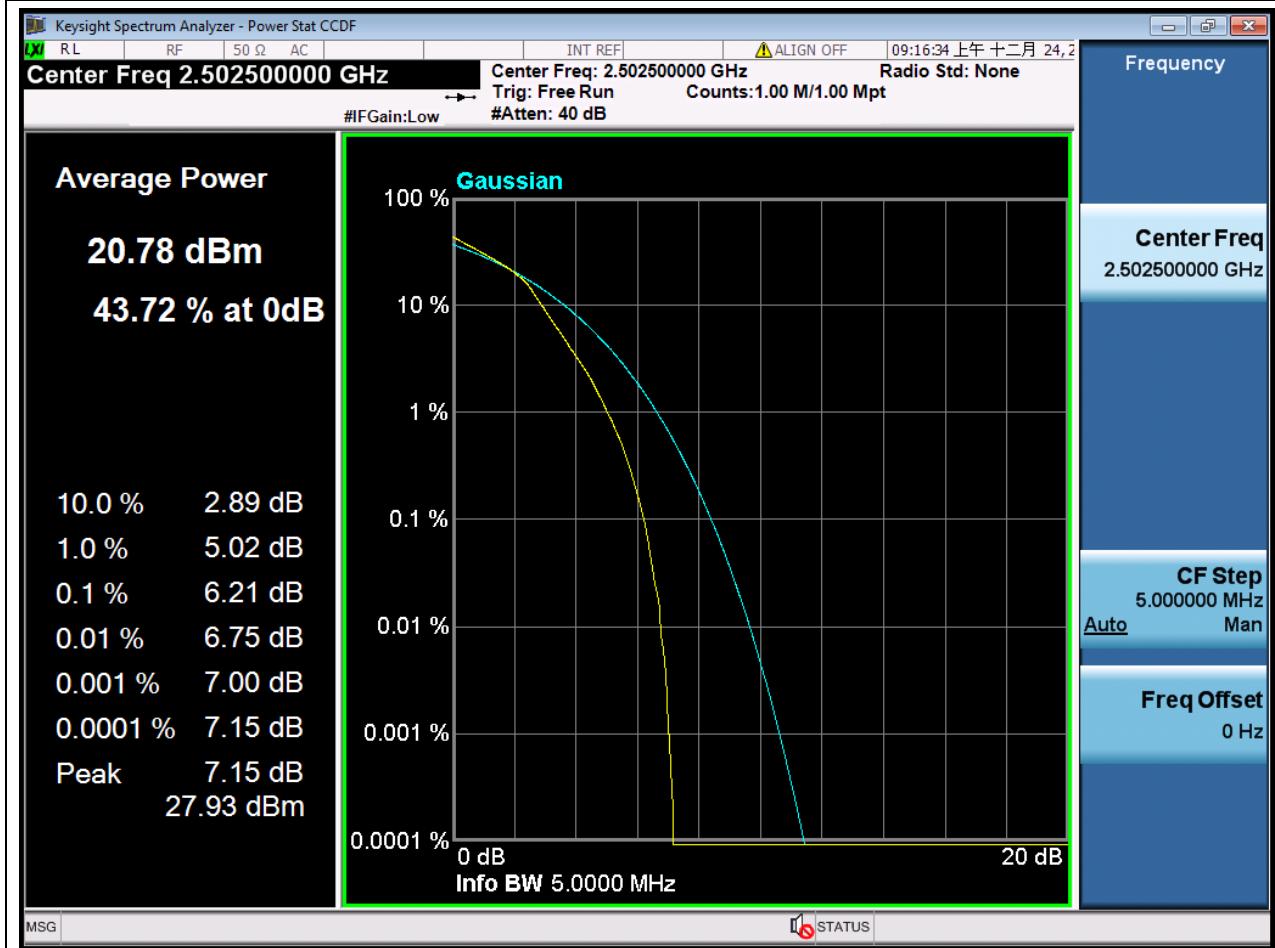
0.0001 % 0 dB 20 dB Info BW 5.0000 MHz

Frequency
Center Freq 2.502500000 GHz
CF Step 5.000000 MHz Man
Freq Offset 0 Hz

MSG STATUS

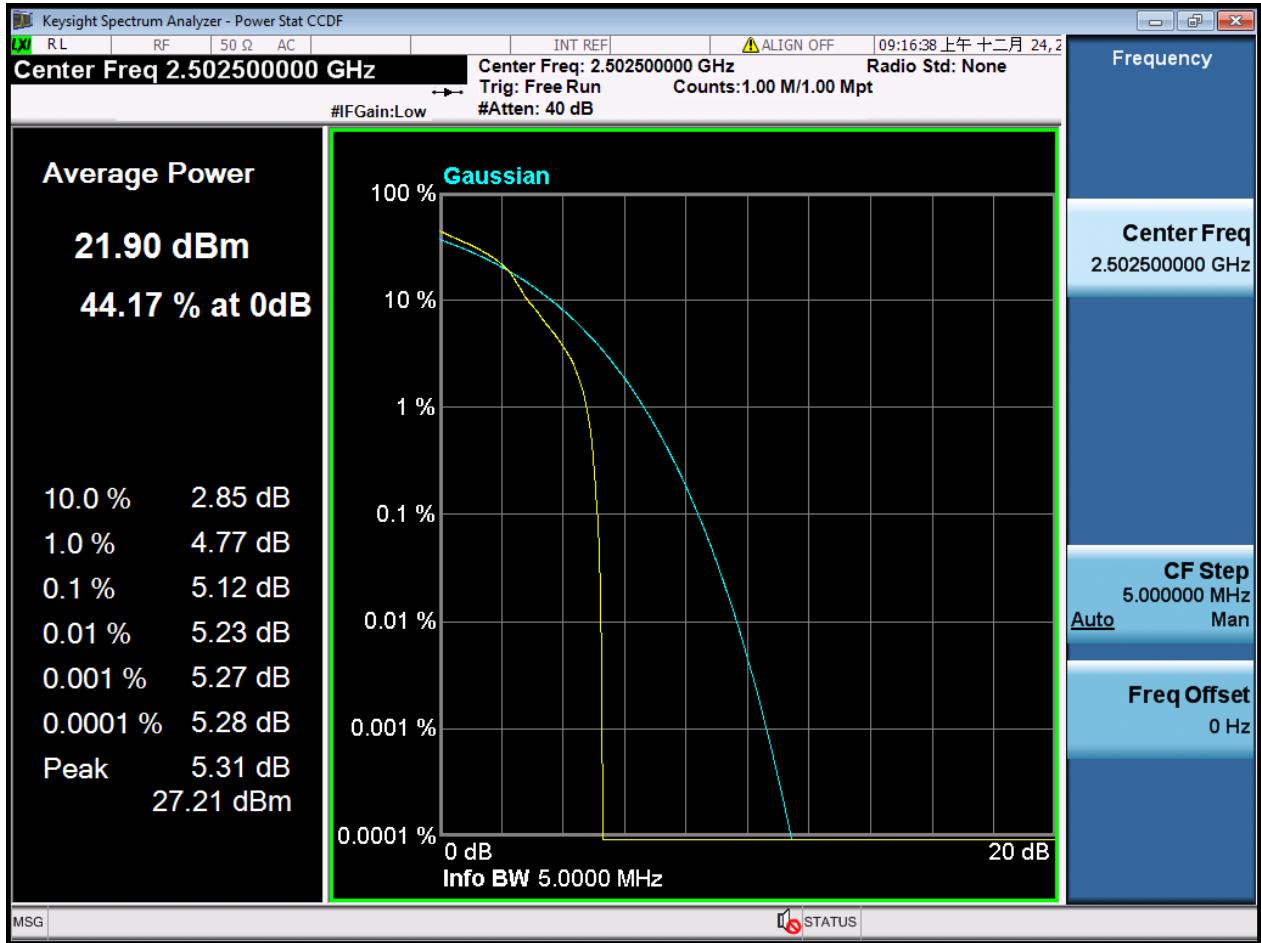
1.11. LTE Peak to Average Ratio(NTNV)(Subtest:11, Channel:20775, Bandwidth:5, Modulation:Q16, RB Number: 12, RB Position:HIGH)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2502.5	0.1	6.21	13	Pass



1.12. LTE Peak to Average Ratio(NTNV)(Subtest:12, Channel:20775, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2502.5	0.1	5.12	13	Pass



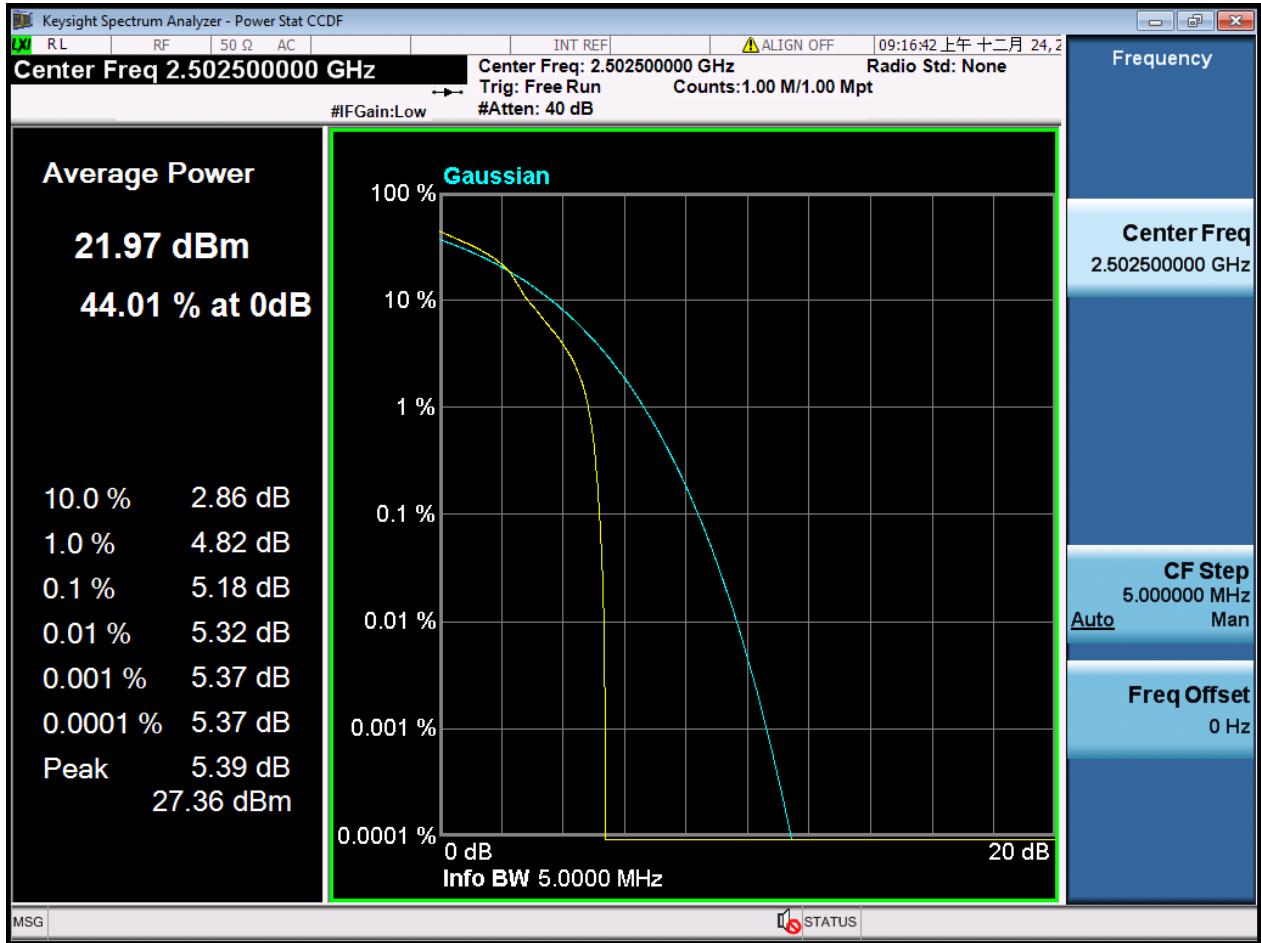
Average Power
21.90 dBm
44.17 % at 0dB

10.0 %	2.85 dB
1.0 %	4.77 dB
0.1 %	5.12 dB
0.01 %	5.23 dB
0.001 %	5.27 dB
0.0001 %	5.28 dB
Peak	5.31 dB
	27.21 dBm

MSG STATUS

1.13. LTE Peak to Average Ratio(NTNV)(Subtest:13, Channel:20775, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:MID)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2502.5	0.1	5.18	13	Pass



Average Power
21.97 dBm
44.01 % at 0dB

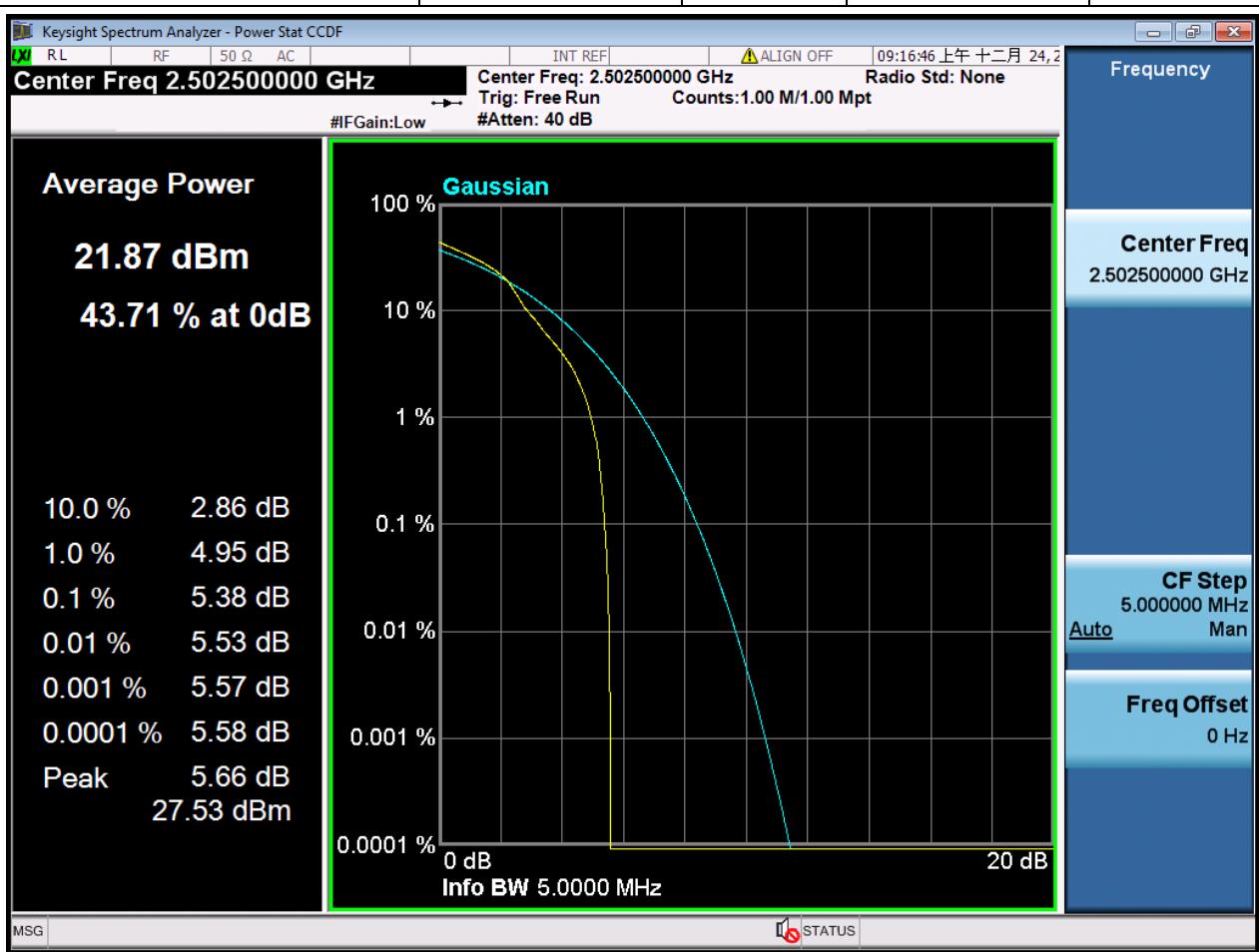
10.0 %	2.86 dB
1.0 %	4.82 dB
0.1 %	5.18 dB
0.01 %	5.32 dB
0.001 %	5.37 dB
0.0001 %	5.37 dB
Peak	5.39 dB
	27.36 dBm

Center Freq 2.502500000 GHz Center Freq: 2.502500000 GHz Radio Std: None
Trig: Free Run Counts: 1.00 M/1.00 Mpt
#IFGain:Low #Atten: 40 dB

Frequency
Center Freq
2.502500000 GHz
CF Step
5.000000 MHz
Auto
Freq Offset
0 Hz

1.14. LTE Peak to Average Ratio(NTNV)(Subtest:14, Channel:20775, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:HIGH)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2502.5	0.1	5.38	13	Pass

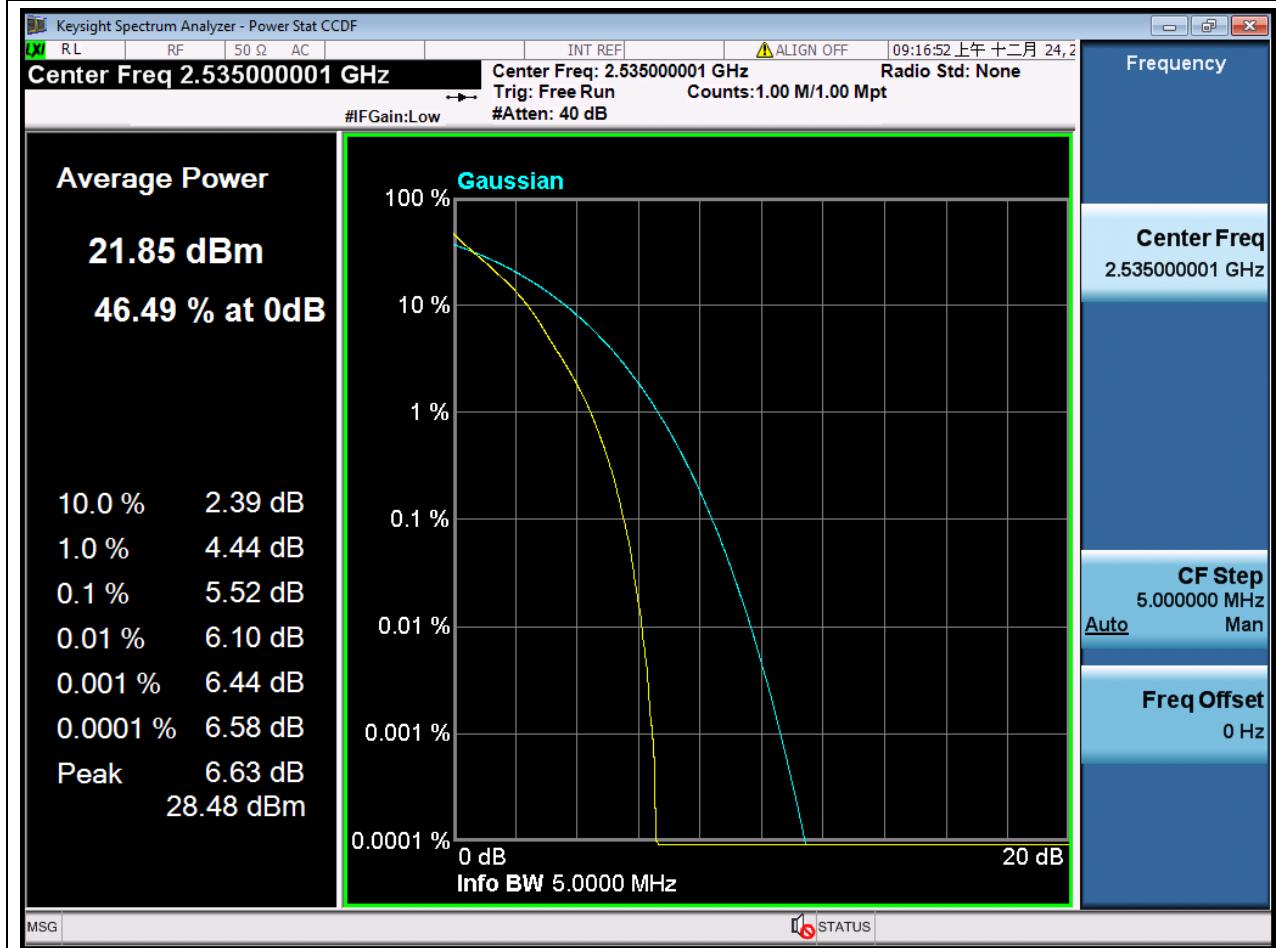


Average Power
21.87 dBm
43.71 % at 0dB

10.0 %	2.86 dB
1.0 %	4.95 dB
0.1 %	5.38 dB
0.01 %	5.53 dB
0.001 %	5.57 dB
0.0001 %	5.58 dB
Peak	5.66 dB
	27.53 dBm

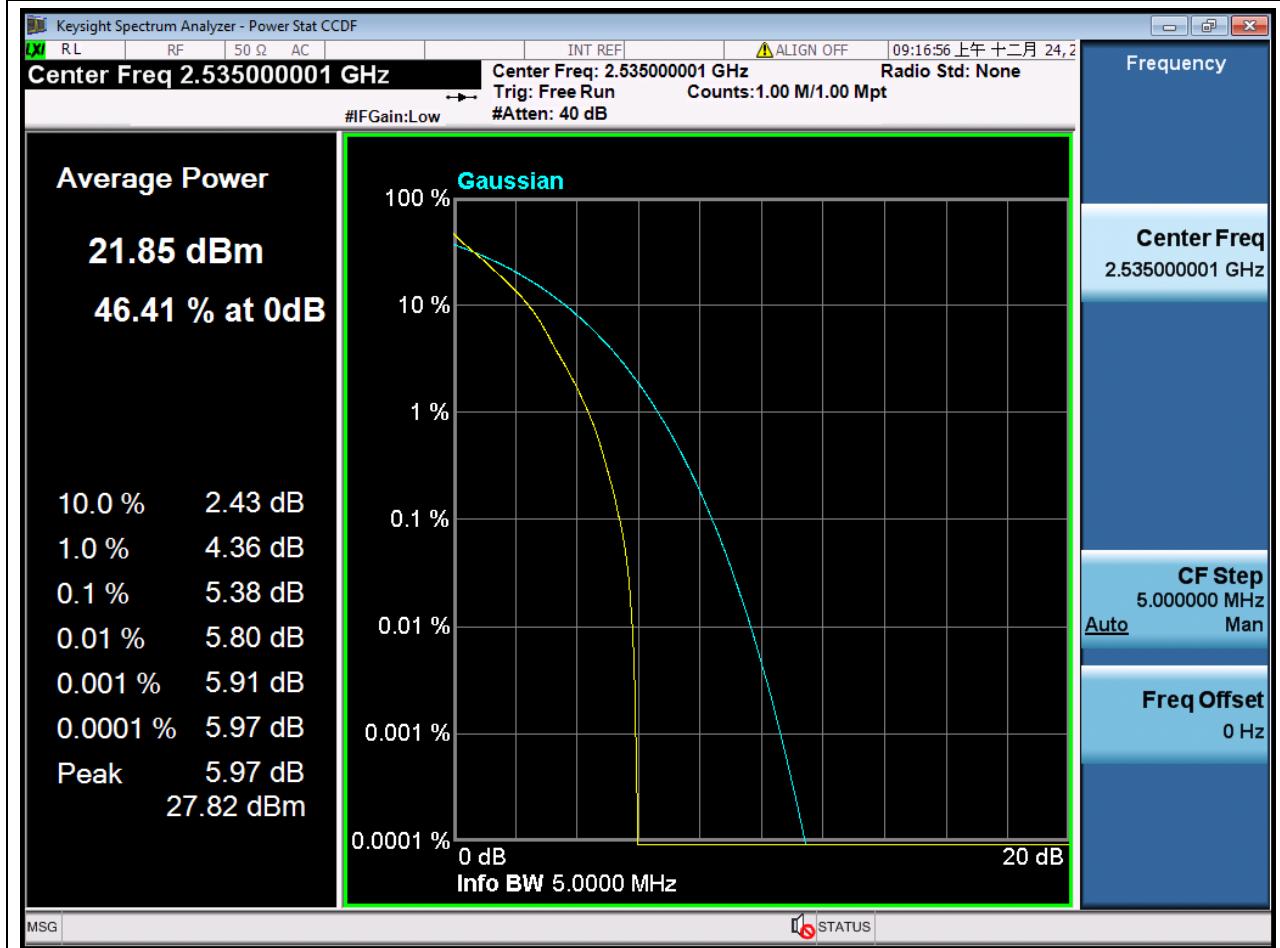
1.15. LTE Peak to Average Ratio(NTNV)(Subtest:15, Channel:21100, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2535	0.1	5.52	13	Pass



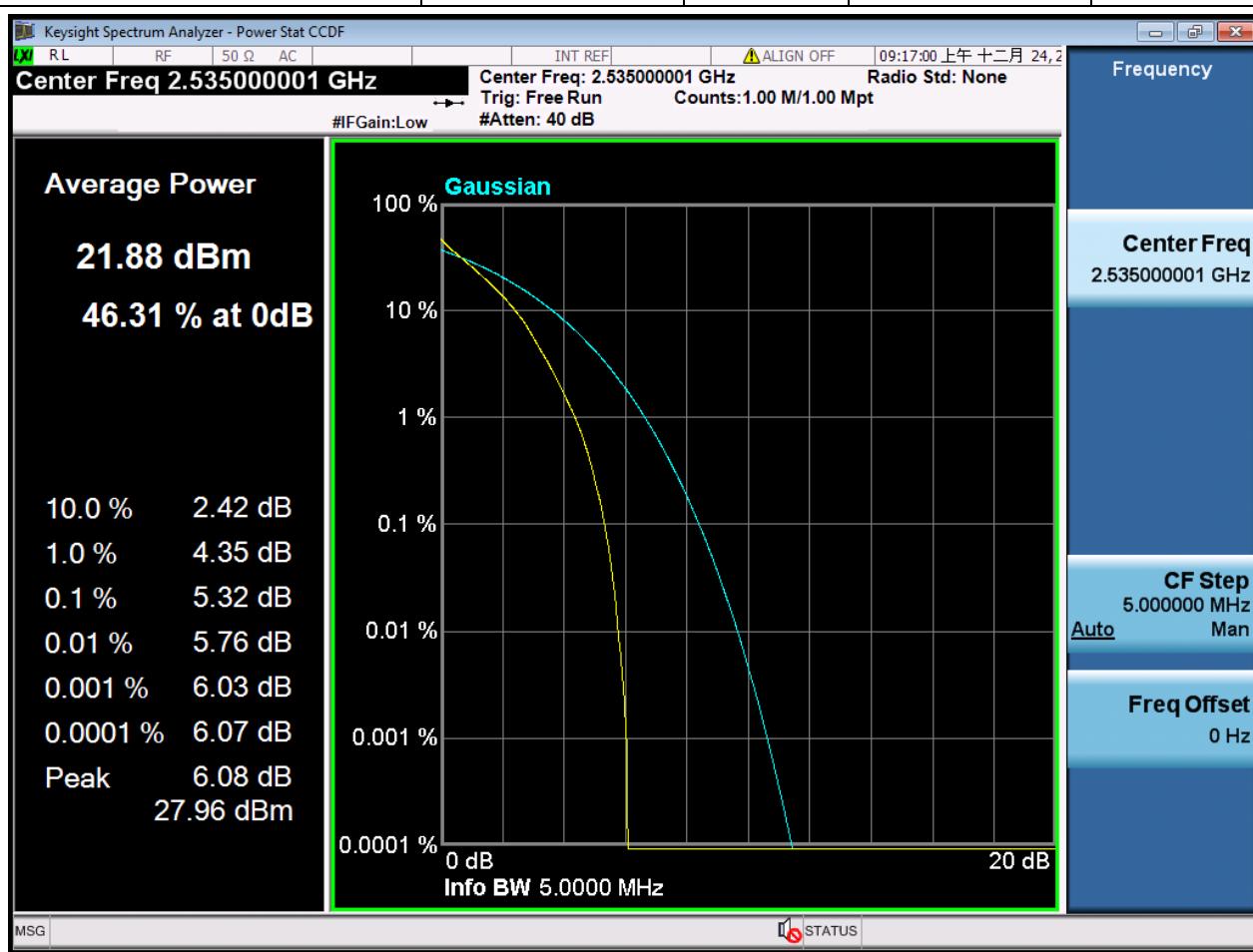
1.16. LTE Peak to Average Ratio(NTNV)(Subtest:16, Channel:21100, Bandwidth:5, Modulation:QPSK, RB Number: 12, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2535	0.1	5.38	13	Pass



1.17. LTE Peak to Average Ratio(NTNV)(Subtest:17, Channel:21100, Bandwidth:5, Modulation:QPSK, RB Number: 12, RB Position:MID)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2535	0.1	5.32	13	Pass



Average Power
21.88 dBm
46.31 % at 0dB

10.0 %	2.42 dB
1.0 %	4.35 dB
0.1 %	5.32 dB
0.01 %	5.76 dB
0.001 %	6.03 dB
0.0001 %	6.07 dB
Peak	6.08 dB
	27.96 dBm

1.18. LTE Peak to Average Ratio(NTNV)(Subtest:18, Channel:21100, Bandwidth:5, Modulation:QPSK, RB Number: 12, RB Position:HIGH)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2535	0.1	5.39	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 09:17:04 上午 十二月 24, 2018

Center Freq 2.535000001 GHz Center Freq: 2.535000001 GHz Radio Std: None
Trig: Free Run Counts: 1.00 M/1.00 Mpt
#IFGain:Low #Atten: 40 dB

Average Power 21.83 dBm
46.09 % at 0dB

10.0 % 2.43 dB
1.0 % 4.37 dB
0.1 % 5.39 dB
0.01 % 5.83 dB
0.001 % 5.96 dB
0.0001 % 5.99 dB
Peak 6.00 dB
27.83 dBm

Gaussian



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

0 dB 20 dB

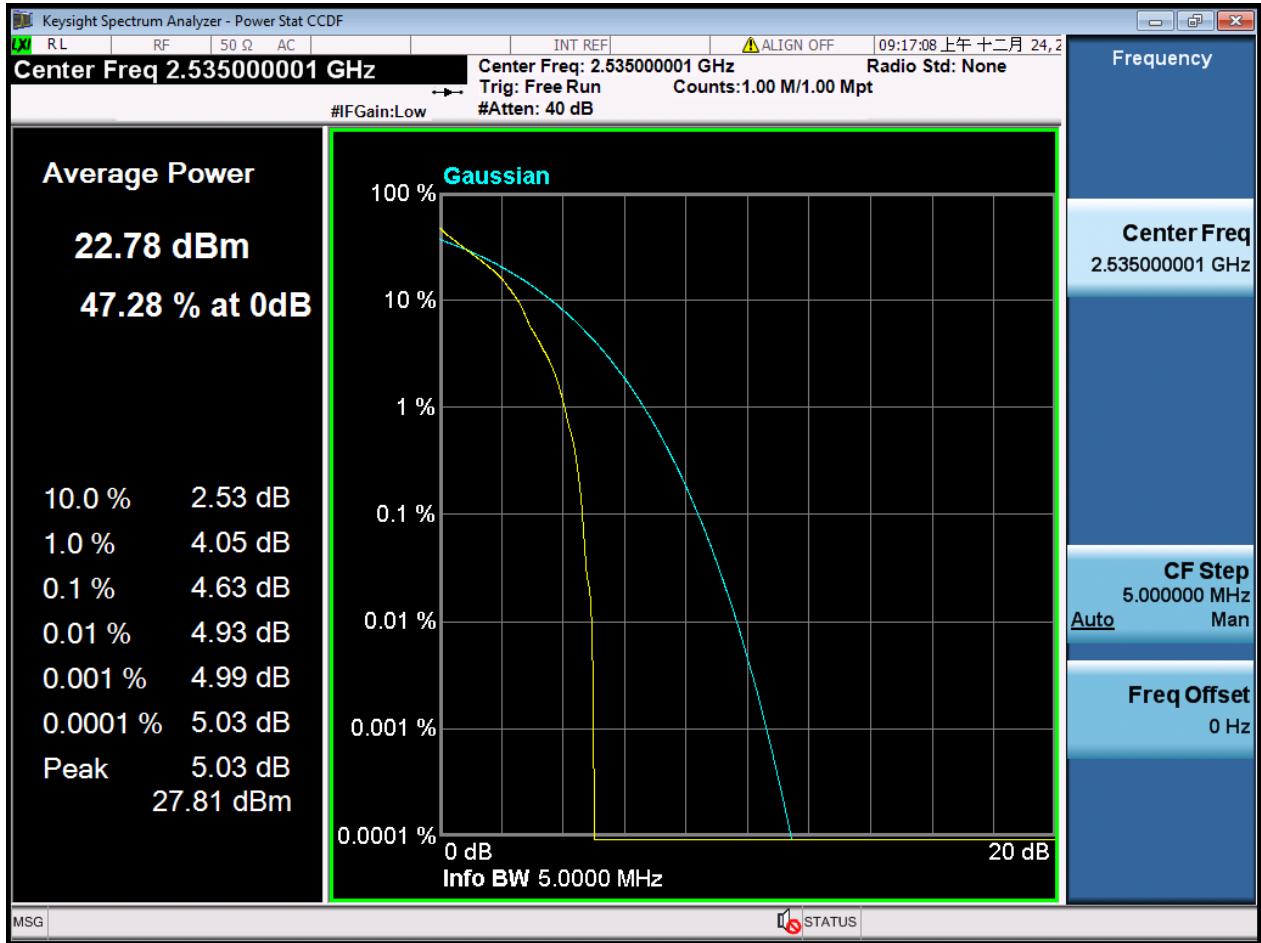
Info BW 5.0000 MHz

Frequency
Center Freq 2.535000001 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:21100, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2535	0.1	4.63	13	Pass



Average Power
22.78 dBm
47.28 % at 0dB

10.0 %	2.53 dB
1.0 %	4.05 dB
0.1 %	4.63 dB
0.01 %	4.93 dB
0.001 %	4.99 dB
0.0001 %	5.03 dB
Peak	5.03 dB
	27.81 dBm

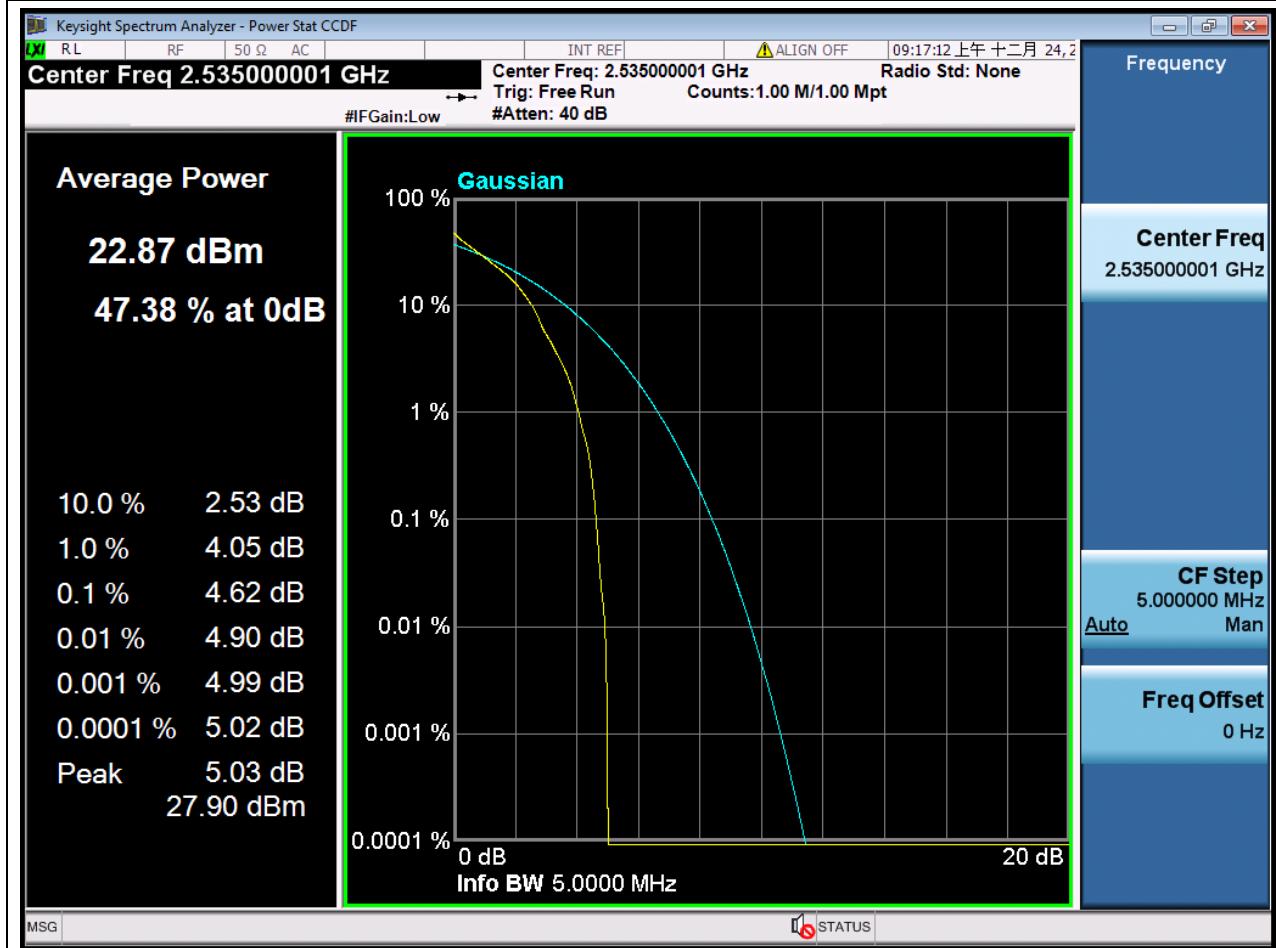
Center Freq 2.535000001 GHz
Center Freq: 2.535000001 GHz Radio Std: None
Trig: Free Run Counts:1.00 M/1.00 Mpt
#IFGain:Low #Atten: 40 dB

Frequency
Center Freq 2.535000001 GHz
CF Step 5.000000 MHz Man
Freq Offset 0 Hz

MSG STATUS

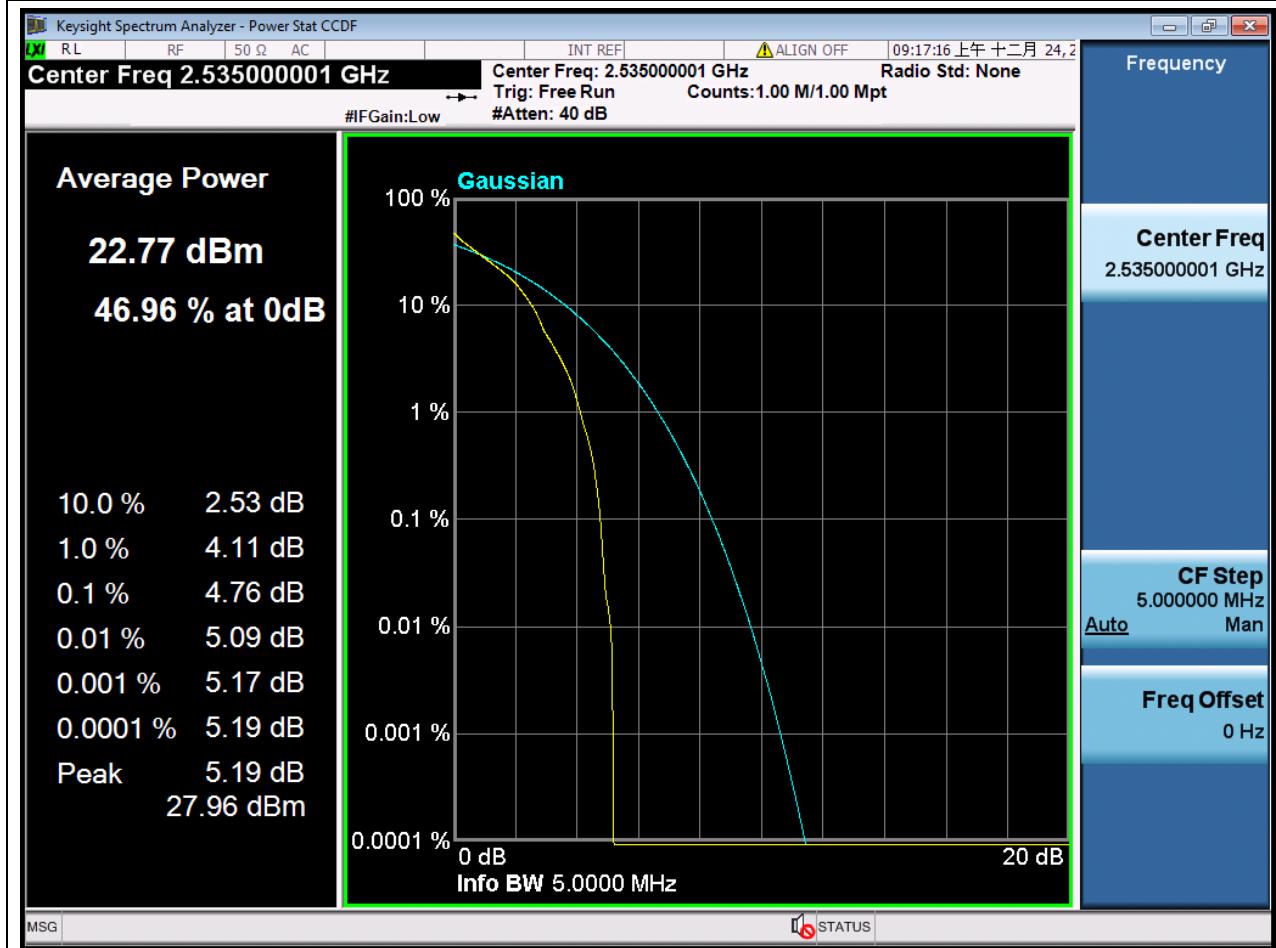
1.20. LTE Peak to Average Ratio(NTNV)(Subtest:20, Channel:21100, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:MID)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2535	0.1	4.62	13	Pass



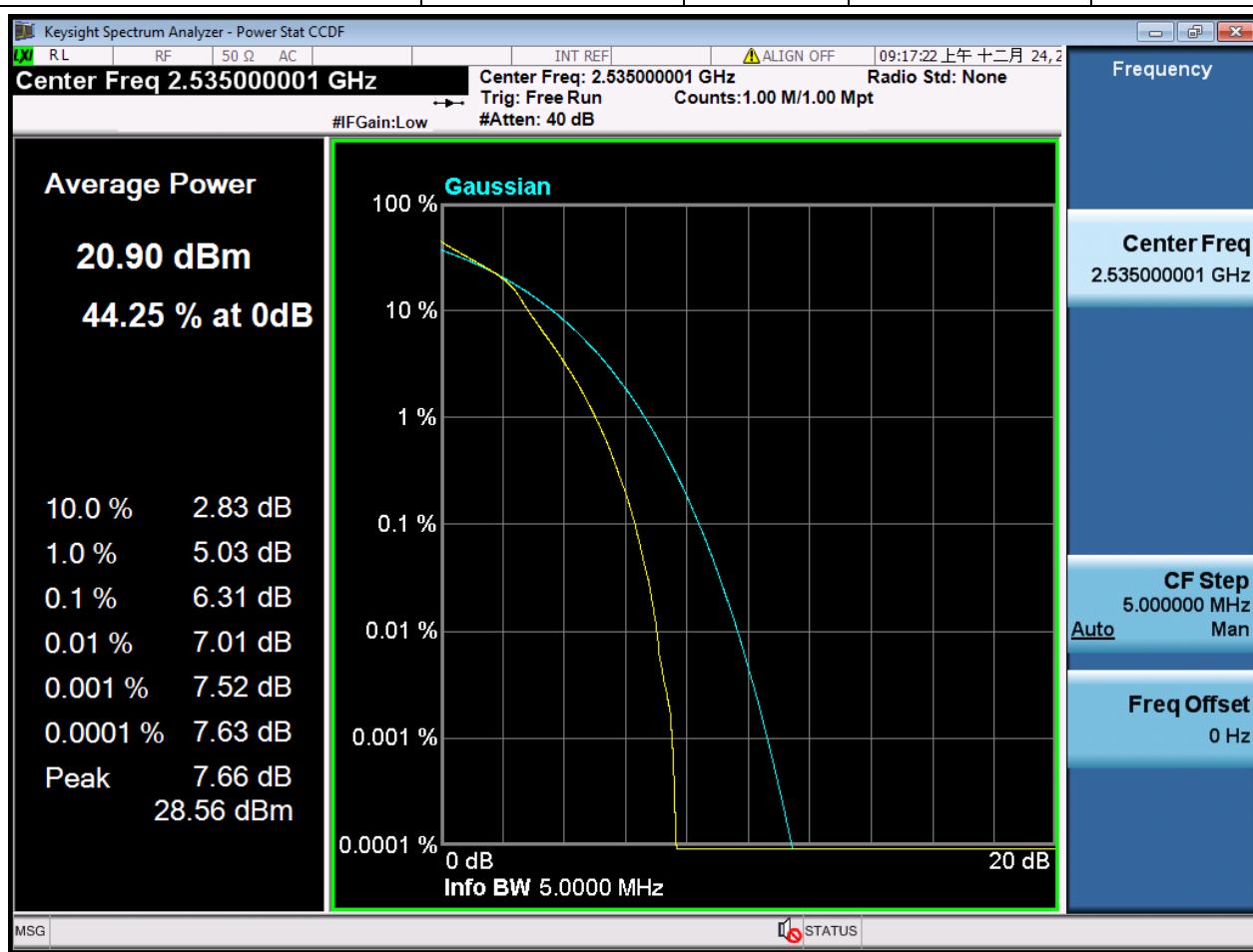
1.21. LTE Peak to Average Ratio(NTNV)(Subtest:21, Channel:21100, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2535	0.1	4.76	13	Pass



1.22. LTE Peak to Average Ratio(NTNV)(Subtest:22, Channel:21100, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2535	0.1	6.31	13	Pass



Average Power
20.90 dBm
44.25 % at 0dB

10.0 %	2.83 dB
1.0 %	5.03 dB
0.1 %	6.31 dB
0.01 %	7.01 dB
0.001 %	7.52 dB
0.0001 %	7.63 dB
Peak	7.66 dB
	28.56 dBm

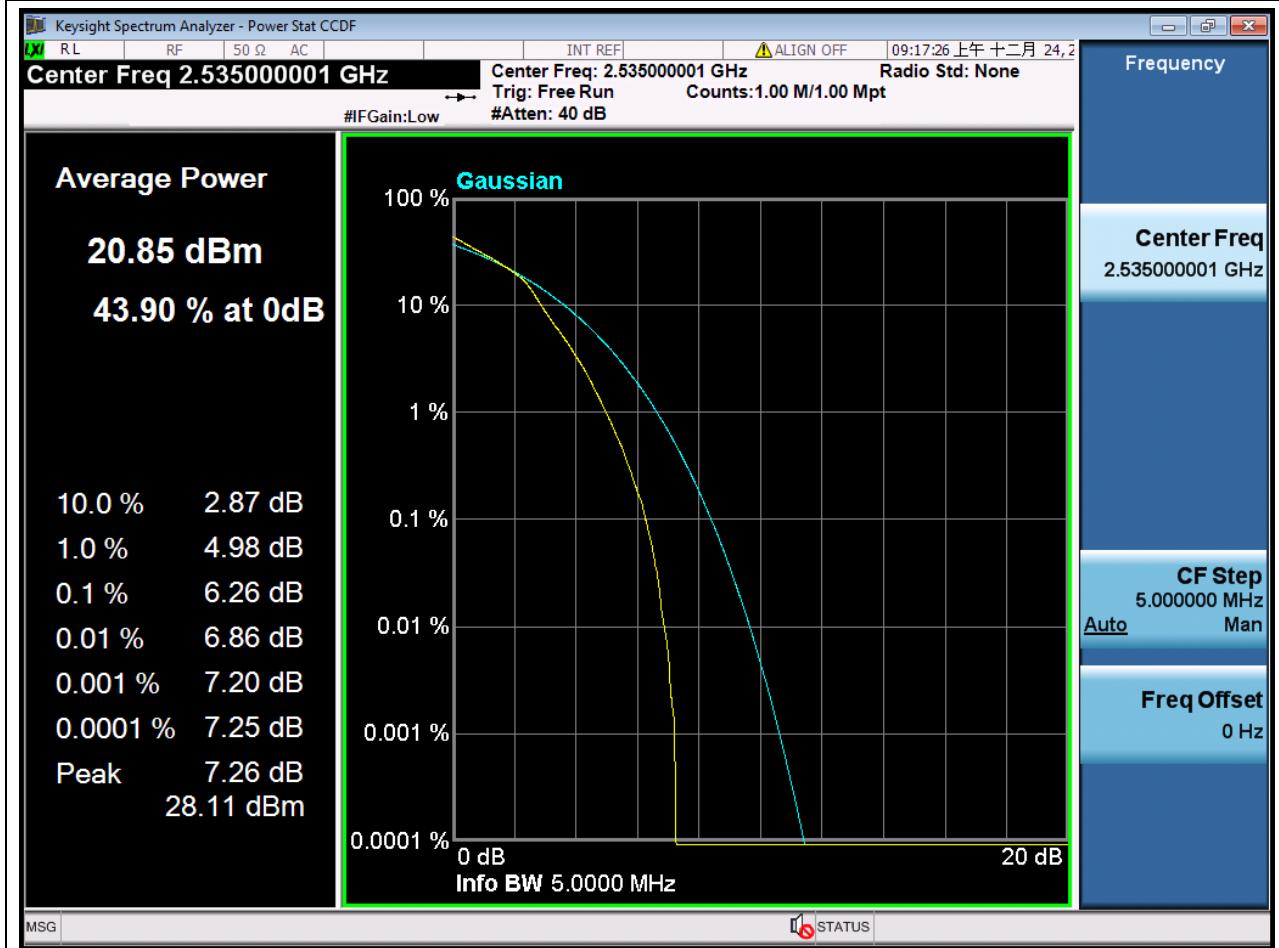
Gaussian

Center Freq: 2.535000001 GHz
Radio Std: None
Trig: Free Run Counts:1.00 M/1.00 Mpt
#IFGain:Low #Atten: 40 dB

Frequency
Center Freq 2.535000001 GHz
CF Step 5.000000 MHz Man
Freq Offset 0 Hz

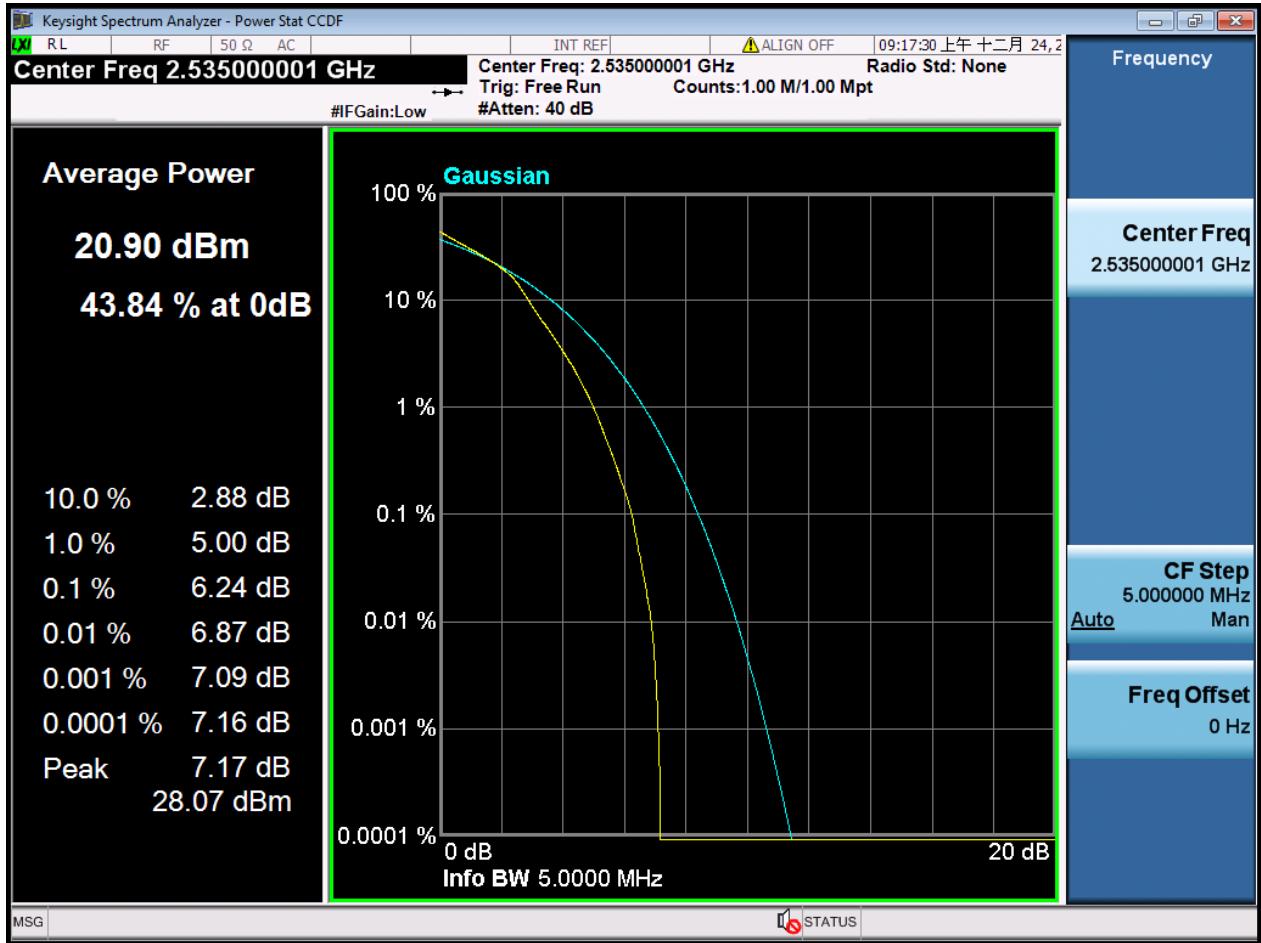
1.23. LTE Peak to Average Ratio(NTNV)(Subtest:23, Channel:21100, Bandwidth:5, Modulation:Q16, RB Number: 12, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2535	0.1	6.26	13	Pass



1.24. LTE Peak to Average Ratio(NTNV)(Subtest:24, Channel:21100, Bandwidth:5, Modulation:Q16, RB Number: 12, RB Position:MID)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2535	0.1	6.24	13	Pass

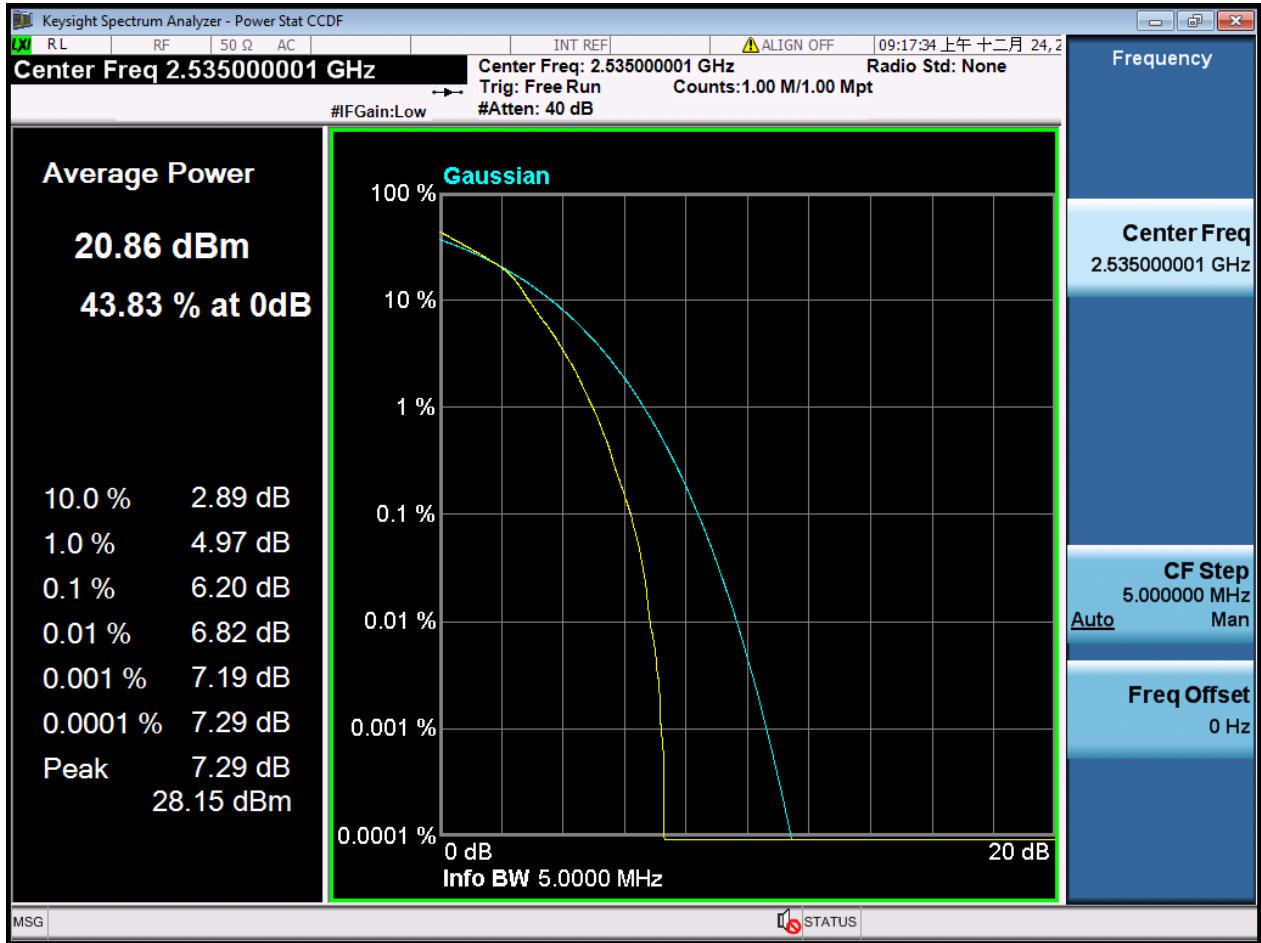


Average Power
20.90 dBm
43.84 % at 0dB

10.0 %	2.88 dB
1.0 %	5.00 dB
0.1 %	6.24 dB
0.01 %	6.87 dB
0.001 %	7.09 dB
0.0001 %	7.16 dB
Peak	7.17 dB
	28.07 dBm

1.25. LTE Peak to Average Ratio(NTNV)(Subtest:25, Channel:21100, Bandwidth:5, Modulation:Q16, RB Number: 12, RB Position:HIGH)

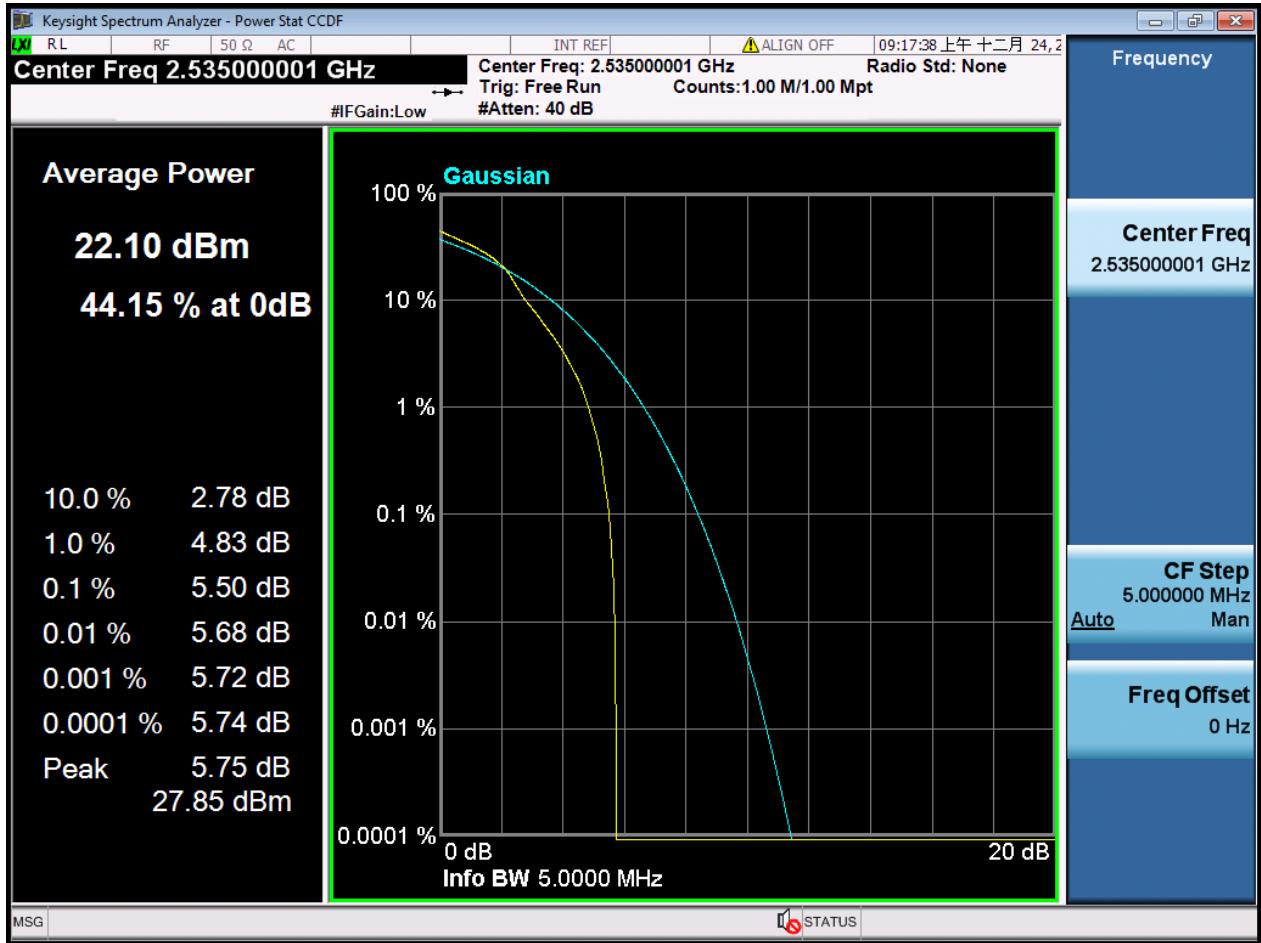
Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2535	0.1	6.2	13	Pass



20.86 dBm
43.83 % at 0 dB
10.0 % 2.89 dB
1.0 % 4.97 dB
0.1 % 6.20 dB
0.01 % 6.82 dB
0.001 % 7.19 dB
0.0001 % 7.29 dB
Peak 7.29 dB
28.15 dBm

1.26. LTE Peak to Average Ratio(NTNV)(Subtest:26, Channel:21100, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2535	0.1	5.5	13	Pass



Average Power
22.10 dBm
44.15 % at 0dB

10.0 %	2.78 dB
1.0 %	4.83 dB
0.1 %	5.50 dB
0.01 %	5.68 dB
0.001 %	5.72 dB
0.0001 %	5.74 dB
Peak	5.75 dB
	27.85 dBm

Center Freq 2.535000001 GHz
CF Step 5.000000 MHz
Freq Offset 0 Hz

1.27. LTE Peak to Average Ratio(NTNV)(Subtest:27, Channel:21100, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:MID)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2535	0.1	5.5	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 09:17:42 上午 十二月 24, 2018

Center Freq 2.535000001 GHz Center Freq: 2.535000001 GHz Radio Std: None
Trig: Free Run Counts: 1.00 M/1.00 Mpt
#IFGain:Low #Atten: 40 dB

Average Power 22.18 dBm
44.19 % at 0dB

10.0 % 2.78 dB
1.0 % 4.84 dB
0.1 % 5.50 dB
0.01 % 5.69 dB
0.001 % 5.75 dB
0.0001 % 5.77 dB
Peak 5.79 dB
27.97 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 2.535000001 GHz
CF Step 5.000000 MHz
Auto Man
Freq Offset 0 Hz

MSG STATUS

1.28. LTE Peak to Average Ratio(NTNV)(Subtest:28, Channel:21100, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:HIGH)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2535	0.1	5.67	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 09:17:46 上午 十二月 24, 2018

Center Freq 2.535000001 GHz Center Freq: 2.535000001 GHz Radio Std: None
Trig: Free Run Counts: 1.00 M/1.00 Mpt
#IFGain:Low #Atten: 40 dB

Average Power
22.09 dBm
43.86 % at 0dB

10.0 % 2.76 dB
1.0 % 4.92 dB
0.1 % 5.67 dB
0.01 % 5.87 dB
0.001 % 5.91 dB
0.0001 % 5.93 dB
Peak 5.98 dB
28.07 dBm

Gaussian



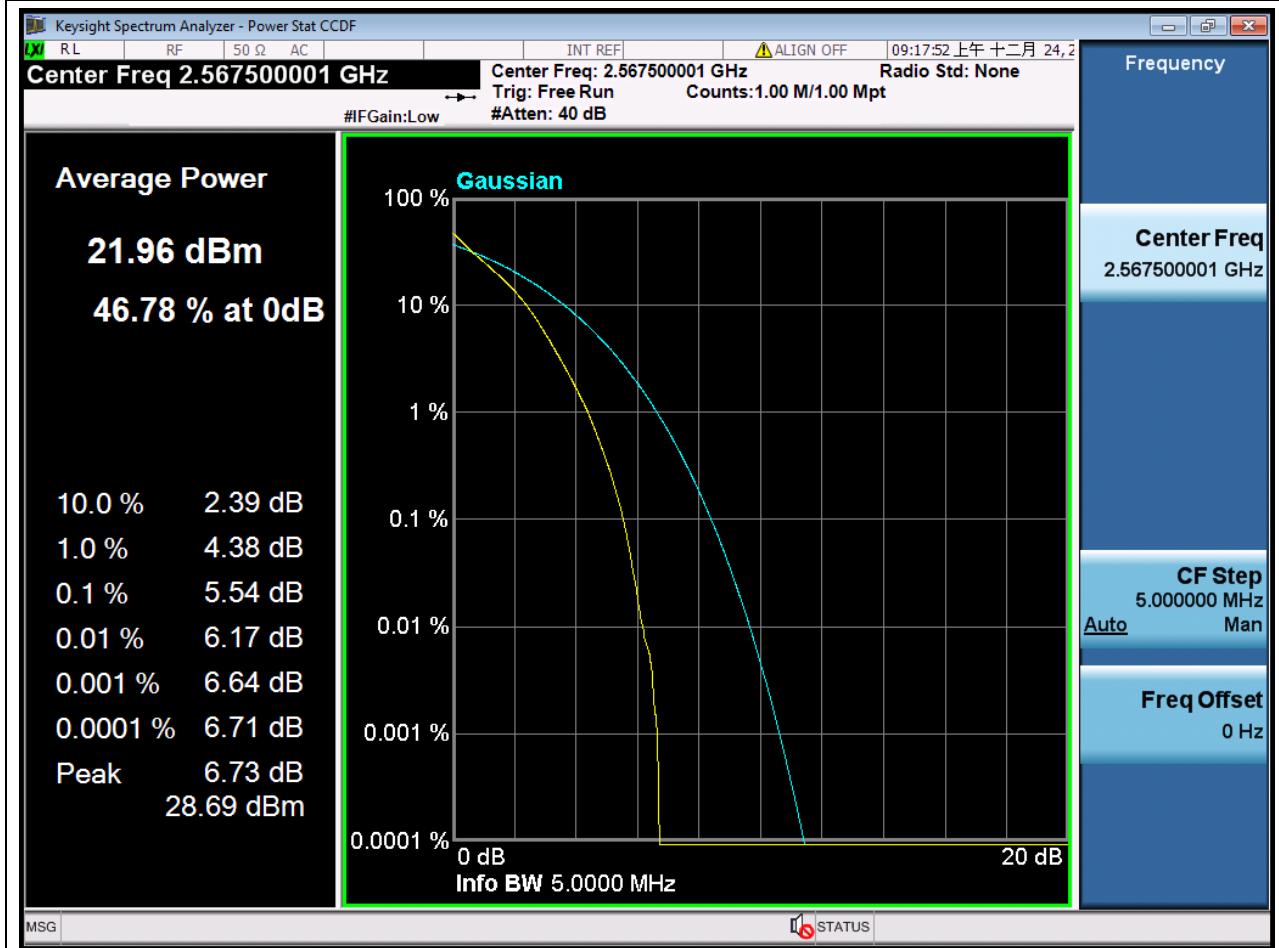
0.0001 % 0 dB 20 dB
Info BW 5.0000 MHz

Frequency
Center Freq 2.535000001 GHz
CF Step 5.000000 MHz Man
Freq Offset 0 Hz

MSG STATUS

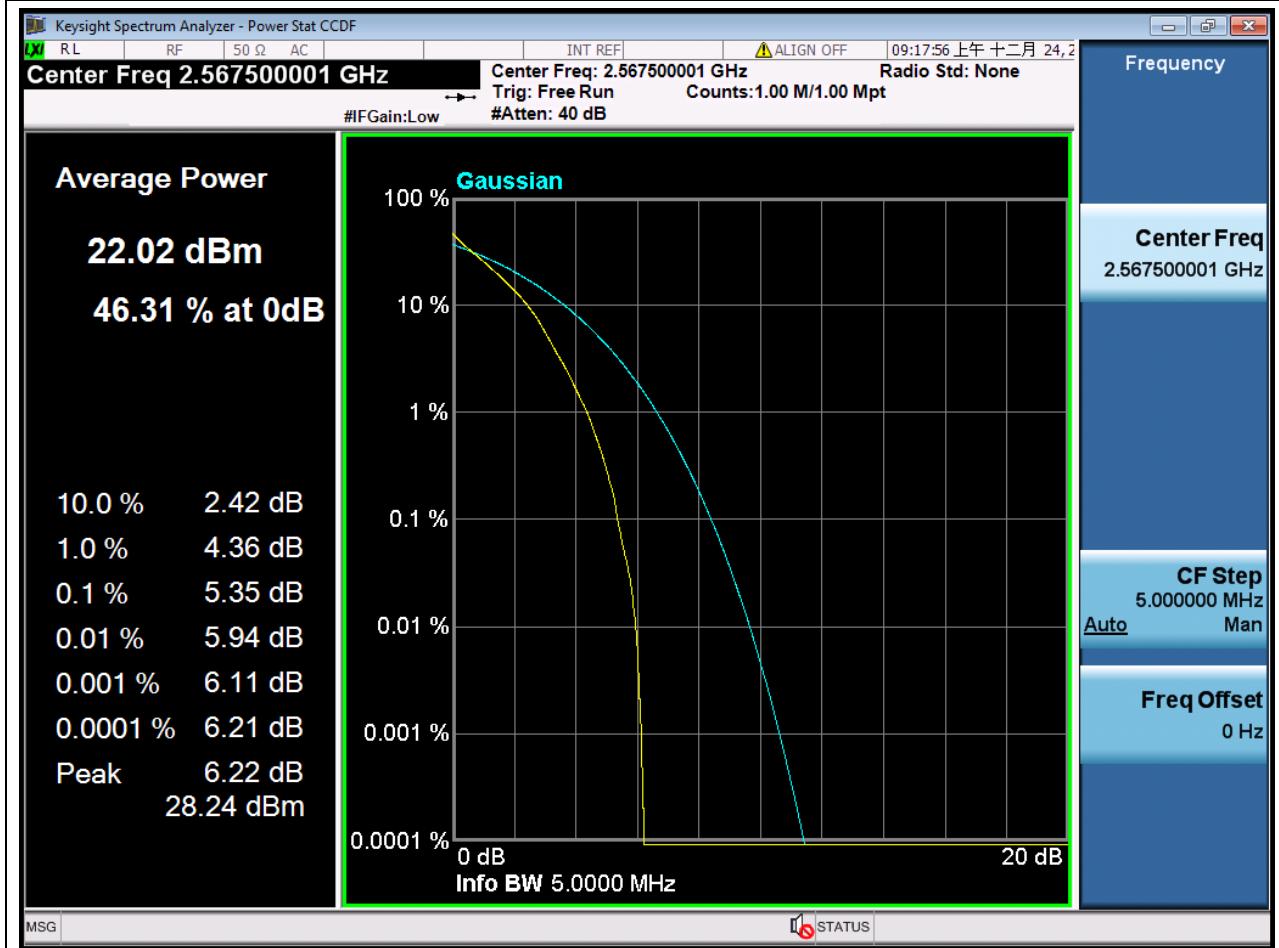
1.29. LTE Peak to Average Ratio(NTNV)(Subtest:29, Channel:21425, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2567.5	0.1	5.54	13	Pass



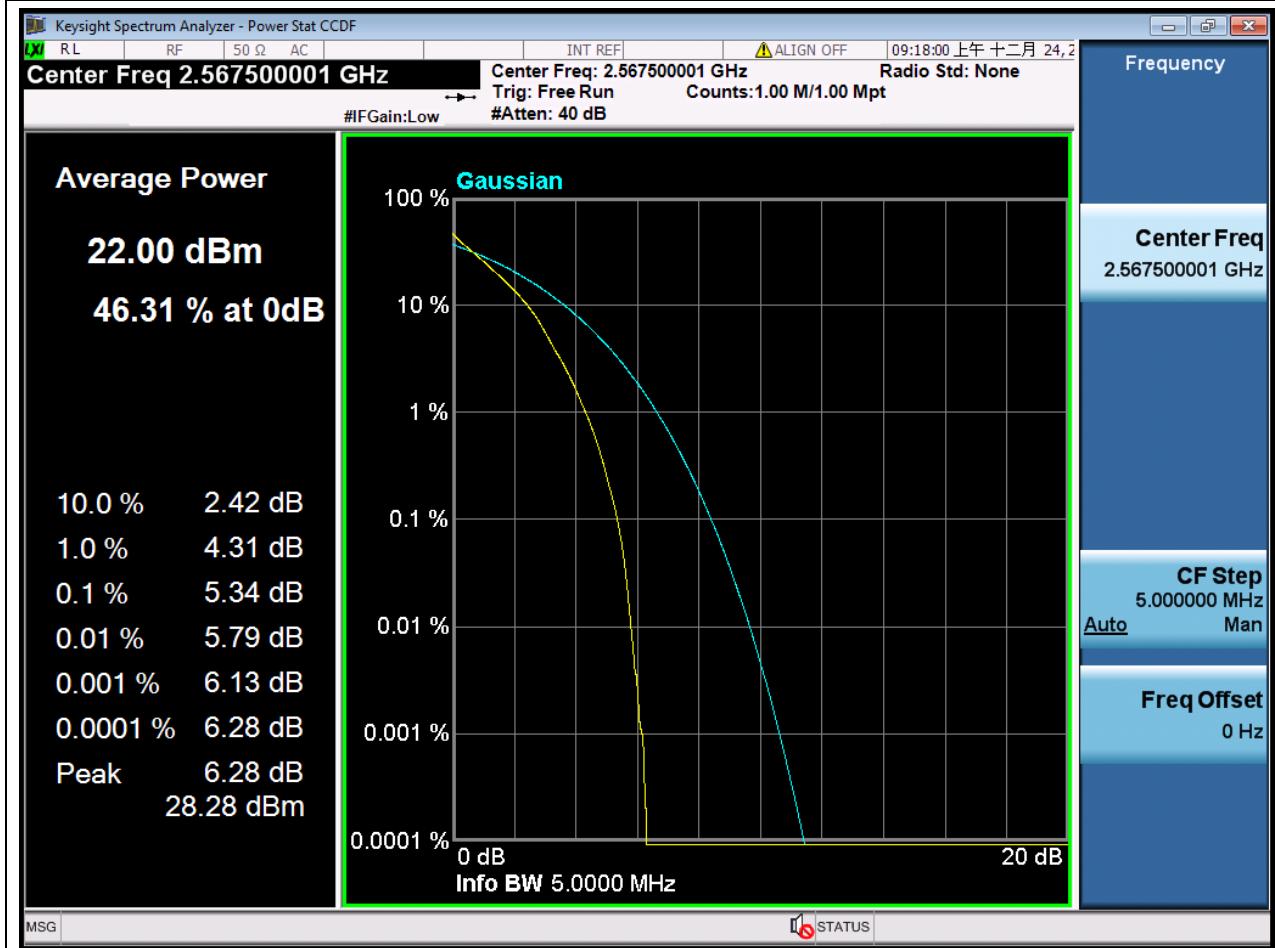
1.30. LTE Peak to Average Ratio(NTNV)(Subtest:30, Channel:21425, Bandwidth:5, Modulation:QPSK, RB Number: 12, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2567.5	0.1	5.35	13	Pass



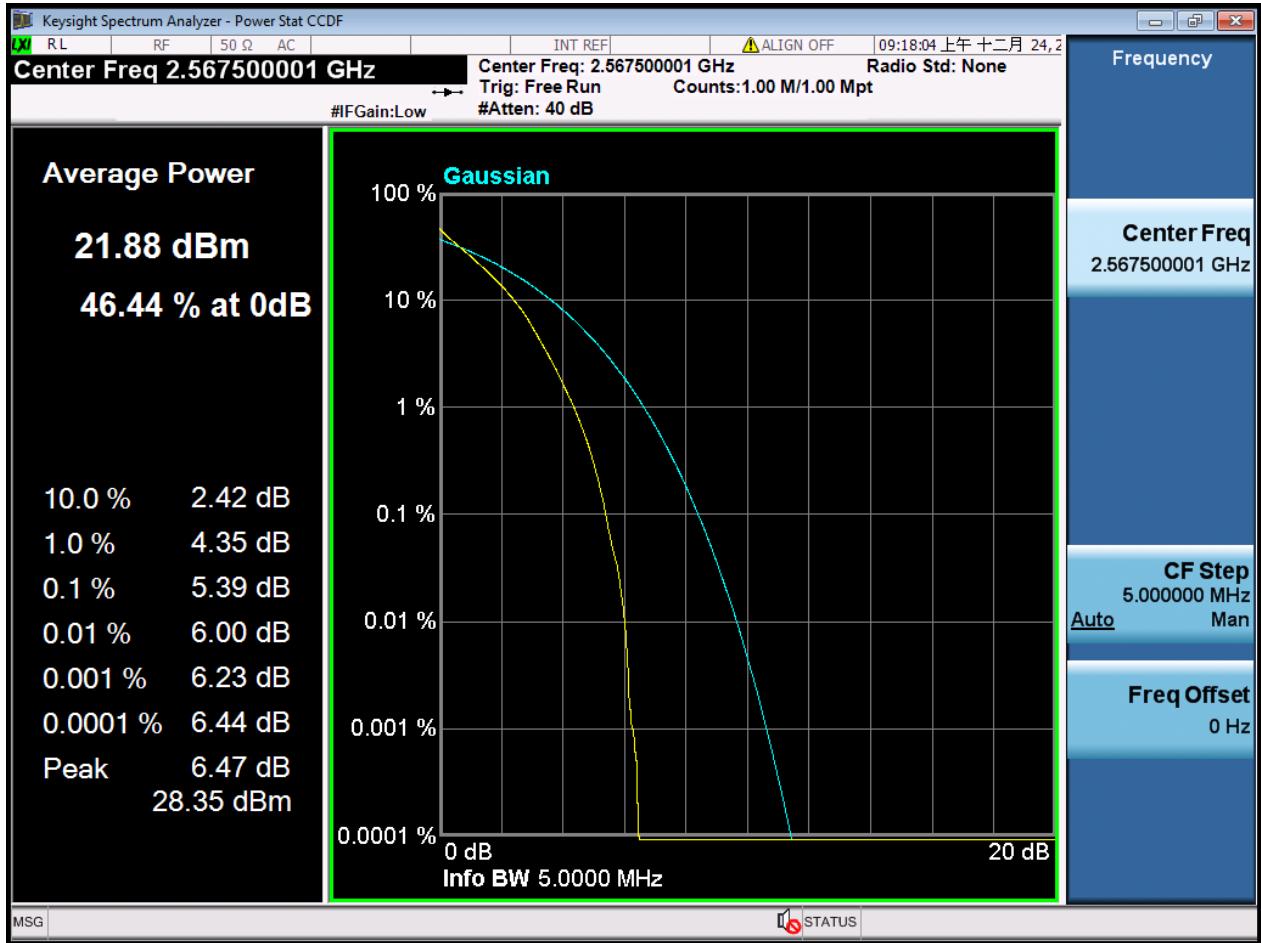
1.31. LTE Peak to Average Ratio(NTNV)(Subtest:31, Channel:21425, Bandwidth:5, Modulation:QPSK, RB Number: 12, RB Position:MID)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2567.5	0.1	5.34	13	Pass



1.32. LTE Peak to Average Ratio(NTNV)(Subtest:32, Channel:21425, Bandwidth:5, Modulation:QPSK, RB Number: 12, RB Position:HIGH)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2567.5	0.1	5.39	13	Pass



Average Power
21.88 dBm
46.44 % at 0dB

10.0 %	2.42 dB
1.0 %	4.35 dB
0.1 %	5.39 dB
0.01 %	6.00 dB
0.001 %	6.23 dB
0.0001 %	6.44 dB
Peak	6.47 dB
	28.35 dBm

Center Freq
2.567500001 GHz

CF Step
5.000000 MHz

Freq Offset
0 Hz

1.33. LTE Peak to Average Ratio(NTNV)(Subtest:33, Channel:21425, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2567.5	0.1	4.57	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 09:18:08 上午 十二月 24, 2018

Center Freq 2.567500001 GHz Center Freq: 2.567500001 GHz Radio Std: None

Trig: Free Run Counts: 1.00 M/1.00 Mpt

#IFGain:Low #Atten: 40 dB

Average Power
22.93 dBm
48.00 % at 0dB

10.0 % 2.61 dB
1.0 % 4.08 dB
0.1 % 4.57 dB
0.01 % 4.78 dB
0.001 % 4.82 dB
0.0001 % 4.83 dB
Peak 4.83 dB
27.76 dBm

Gaussian



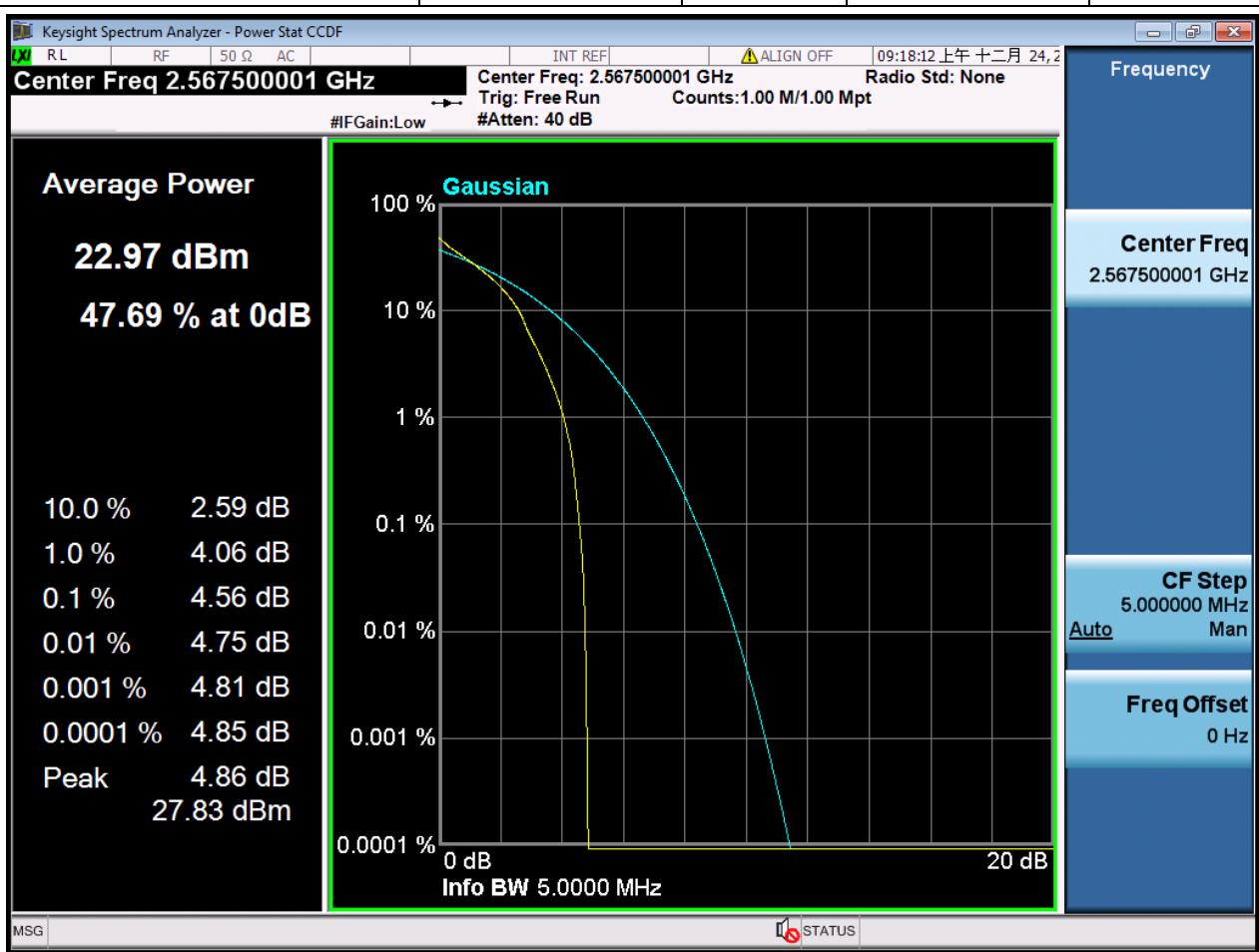
Info BW 5.0000 MHz

Frequency
Center Freq 2.567500001 GHz
CF Step 5.000000 MHz Man
Freq Offset 0 Hz

MSG STATUS

1.34. LTE Peak to Average Ratio(NTNV)(Subtest:34, Channel:21425, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:MID)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2567.5	0.1	4.56	13	Pass

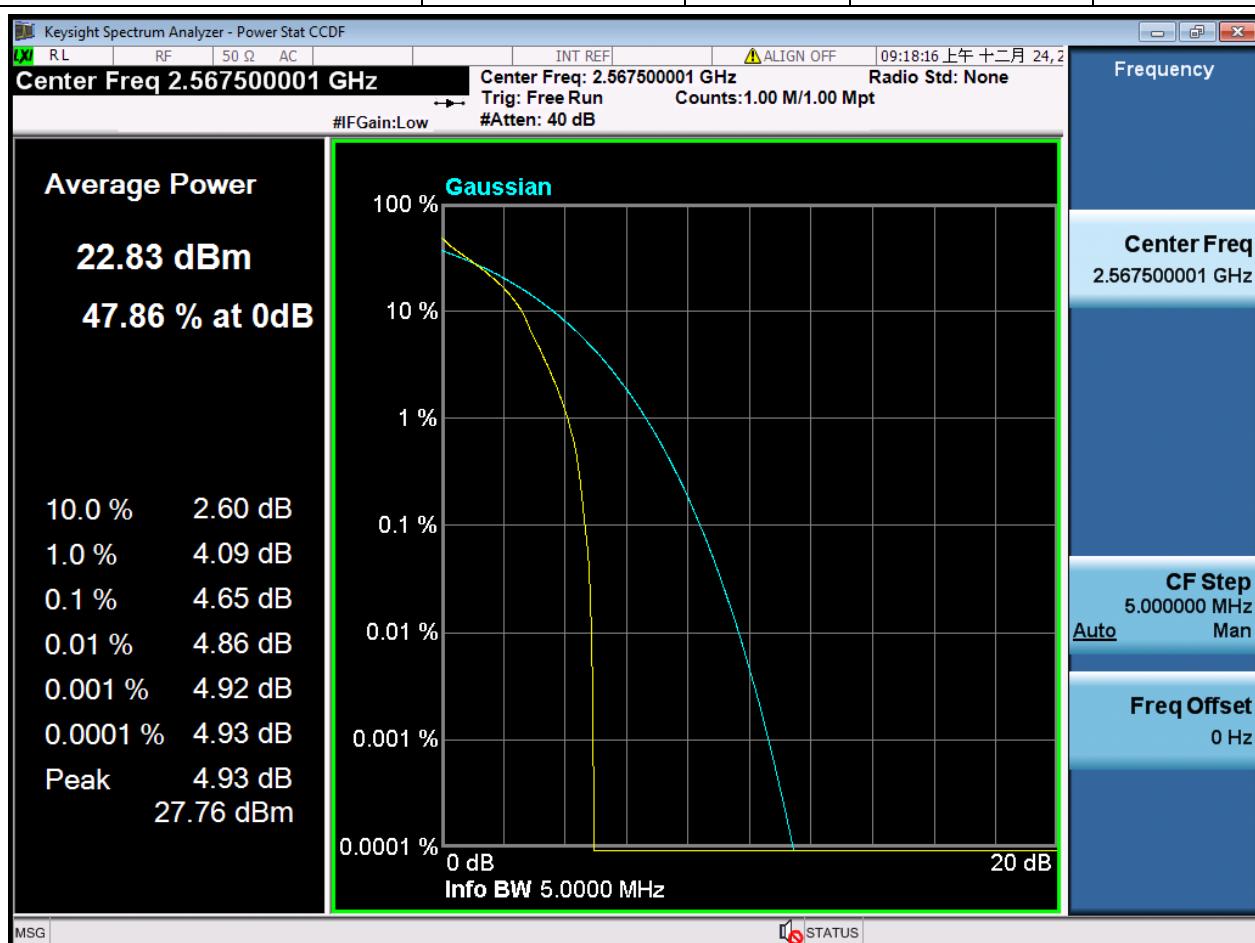


Average Power
22.97 dBm
47.69 % at 0dB

10.0 %	2.59 dB
1.0 %	4.06 dB
0.1 %	4.56 dB
0.01 %	4.75 dB
0.001 %	4.81 dB
0.0001 %	4.85 dB
Peak	4.86 dB
	27.83 dBm

1.35. LTE Peak to Average Ratio(NTNV)(Subtest:35, Channel:21425, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2567.5	0.1	4.65	13	Pass

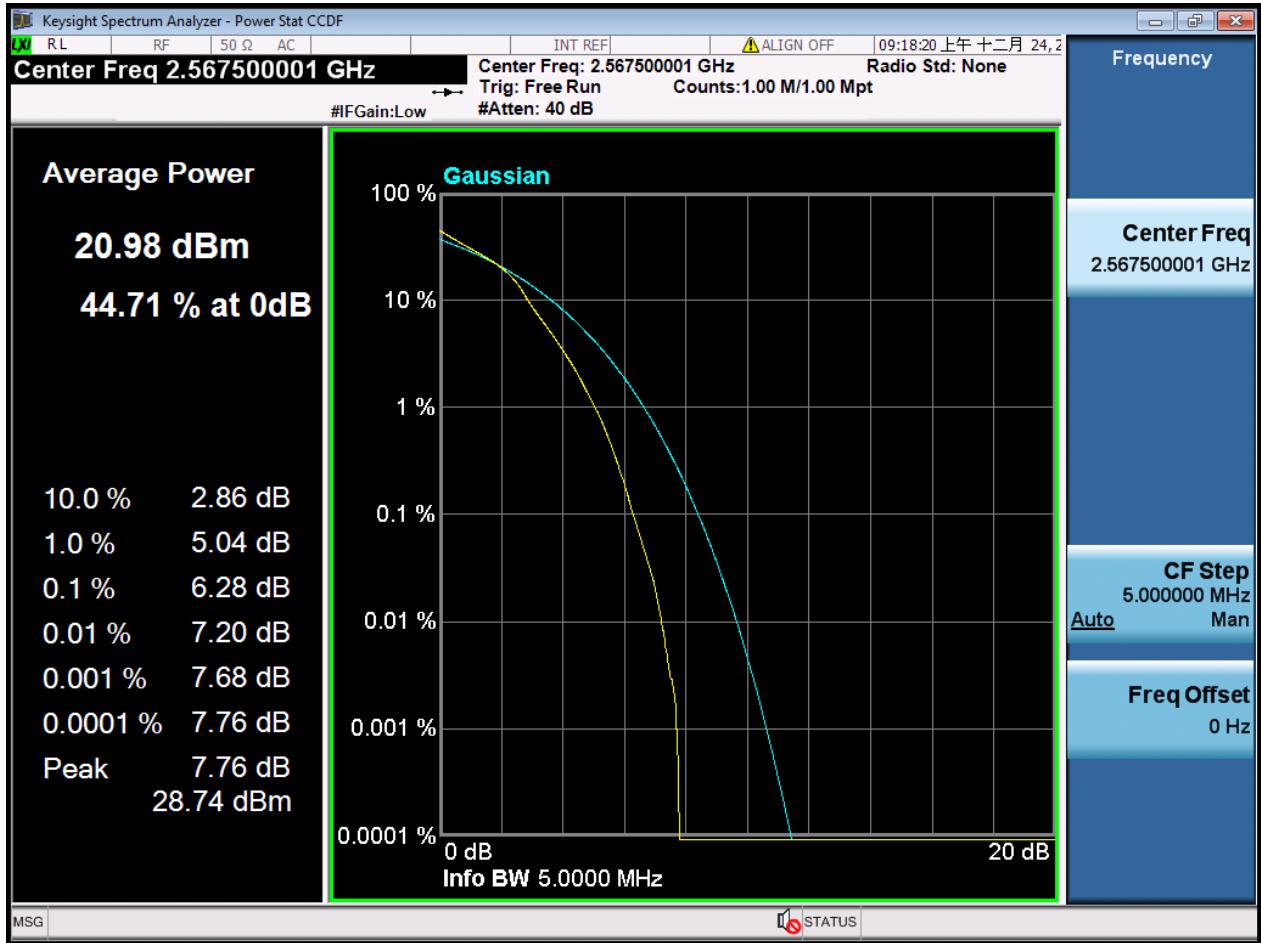


Average Power
22.83 dBm
47.86 % at 0dB

10.0 %	2.60 dB
1.0 %	4.09 dB
0.1 %	4.65 dB
0.01 %	4.86 dB
0.001 %	4.92 dB
0.0001 %	4.93 dB
Peak	4.93 dB
	27.76 dBm

1.36. LTE Peak to Average Ratio(NTNV)(Subtest:36, Channel:21425, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2567.5	0.1	6.28	13	Pass



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

- Center Freq:** 2.567500001 GHz
- Radio Std:** None
- Trig:** Free Run
- Counts:** 1.00 M/1.00 Mpt
- #IFGain:** Low
- #Atten:** 40 dB
- Average Power:** 20.98 dBm
- 44.71 % at 0dB**
- Peak:** 7.76 dB
- 28.74 dBm**
- Info BW:** 5.0000 MHz
- Gaussian:** A cyan curve representing the Gaussian distribution of power.
- Y-axis:** Logarithmic scale from 0.0001 % to 100 %.
- X-axis:** Linear scale from 0 dB to 20 dB.
- CF Step:** 5.000000 MHz
- Freq Offset:** 0 Hz

1.37. LTE Peak to Average Ratio(NTNV)(Subtest:37, Channel:21425, Bandwidth:5, Modulation:Q16, RB Number: 12, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2567.5	0.1	6.06	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

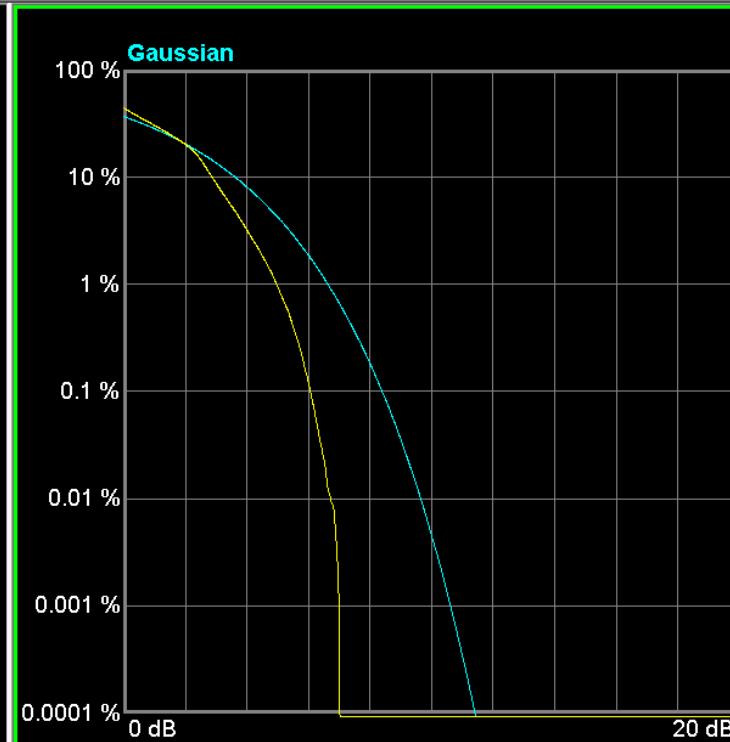
RL RF 50 Ω AC INT REF ALIGN OFF 09:18:24 上午 十二月 24, 2018

Center Freq 2.567500001 GHz Center Freq: 2.567500001 GHz Radio Std: None
Trig: Free Run Counts: 1.00 M/1.00 Mpt
#IFGain:Low #Atten: 40 dB

Average Power 21.07 dBm
44.21 % at 0dB

10.0 % 2.87 dB
1.0 % 4.96 dB
0.1 % 6.06 dB
0.01 % 6.73 dB
0.001 % 6.98 dB
0.0001 % 7.01 dB
Peak 7.01 dB
28.08 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 2.567500001 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:21425, Bandwidth:5, Modulation:Q16, RB Number: 12, RB Position:MID)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2567.5	0.1	6.09	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

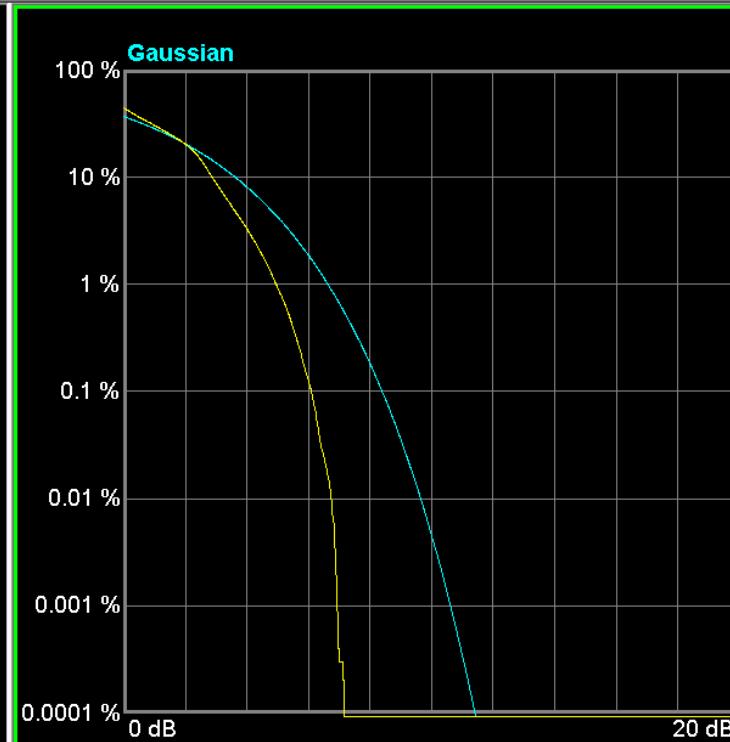
RL RF 50 Ω AC INT REF ALIGN OFF 09:18:28 上午 十二月 24, 2018

Center Freq 2.567500001 GHz Center Freq: 2.567500001 GHz Radio Std: None
Trig: Free Run Counts: 1.00 M/1.00 Mpt
#IFGain:Low #Atten: 40 dB

Average Power 21.03 dBm
44.16 % at 0dB

10.0 % 2.87 dB
1.0 % 4.95 dB
0.1 % 6.09 dB
0.01 % 6.74 dB
0.001 % 6.93 dB
0.0001 % 7.15 dB
Peak 7.15 dB
28.18 dBm

Gaussian

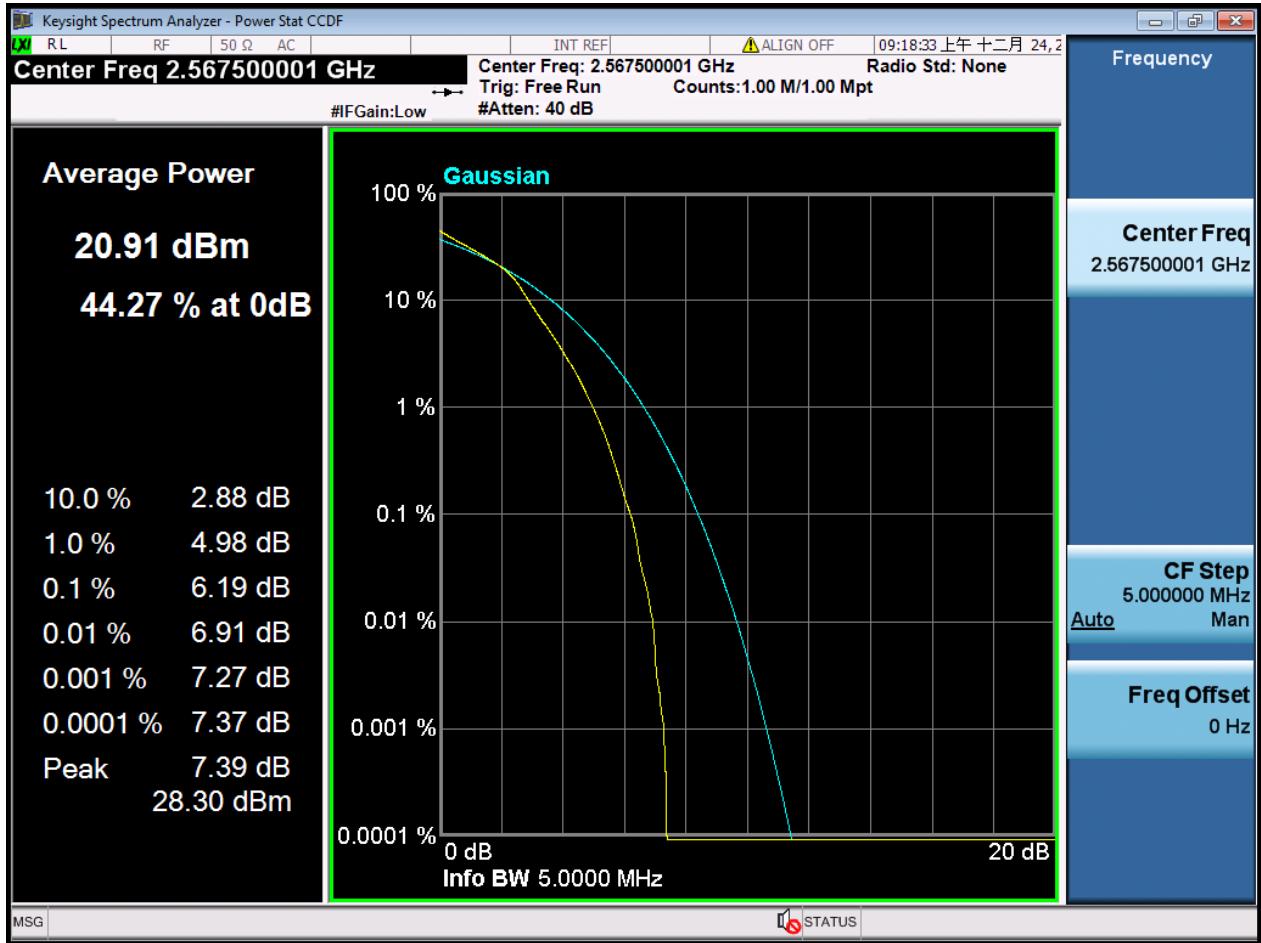


Frequency
Center Freq 2.567500001 GHz
CF Step 5.000000 MHz Man
Freq Offset 0 Hz

MSG STATUS

1.39. LTE Peak to Average Ratio(NTNV)(Subtest:39, Channel:21425, Bandwidth:5, Modulation:Q16, RB Number: 12, RB Position:HIGH)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2567.5	0.1	6.19	13	Pass



Average Power
20.91 dBm
44.27 % at 0dB

10.0 %	2.88 dB
1.0 %	4.98 dB
0.1 %	6.19 dB
0.01 %	6.91 dB
0.001 %	7.27 dB
0.0001 %	7.37 dB
Peak	7.39 dB
	28.30 dBm

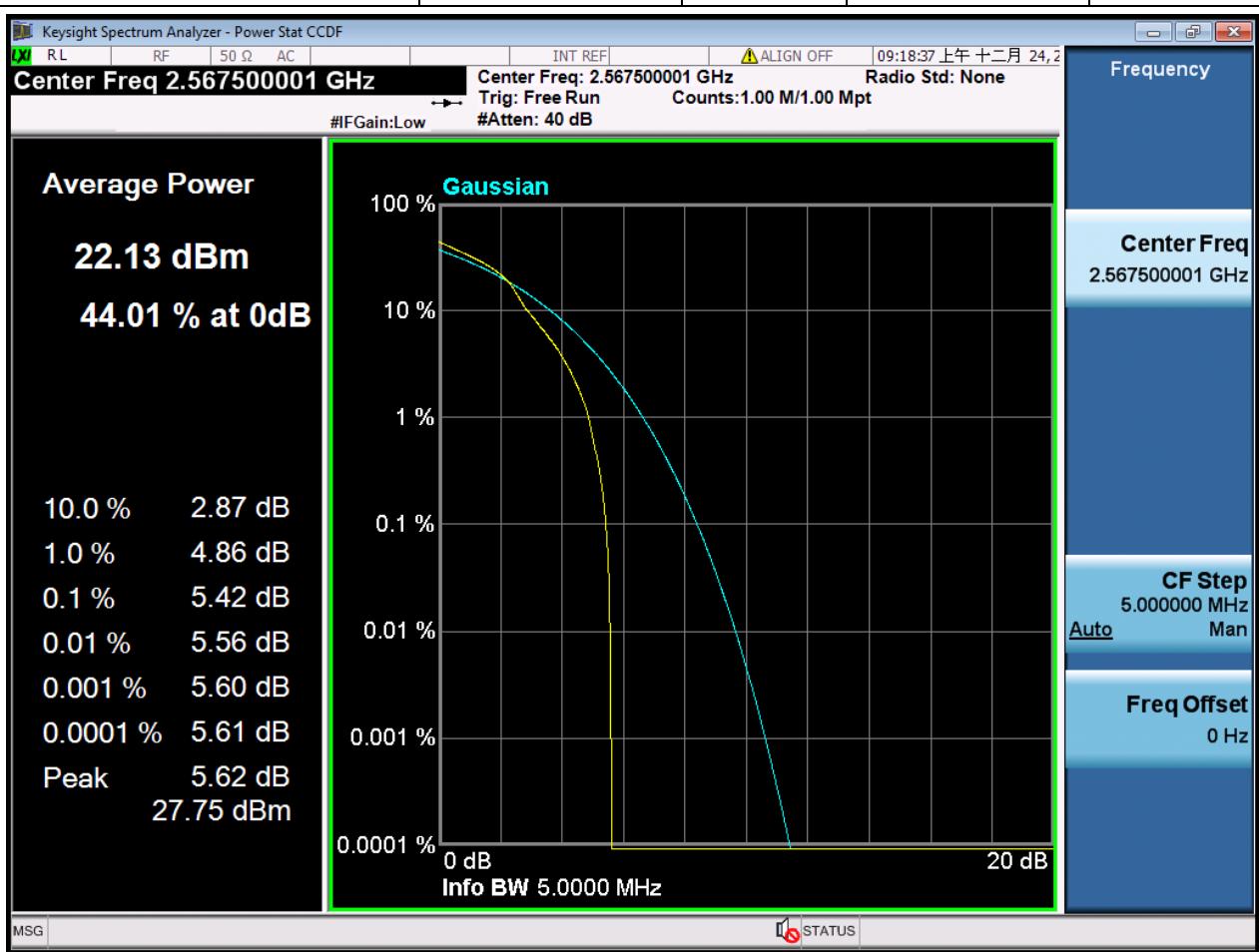
Center Freq
 2.567500001 GHz

CF Step
 5.000000 MHz

Freq Offset
 0 Hz

1.40. LTE Peak to Average Ratio(NTNV)(Subtest:40, Channel:21425, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2567.5	0.1	5.42	13	Pass



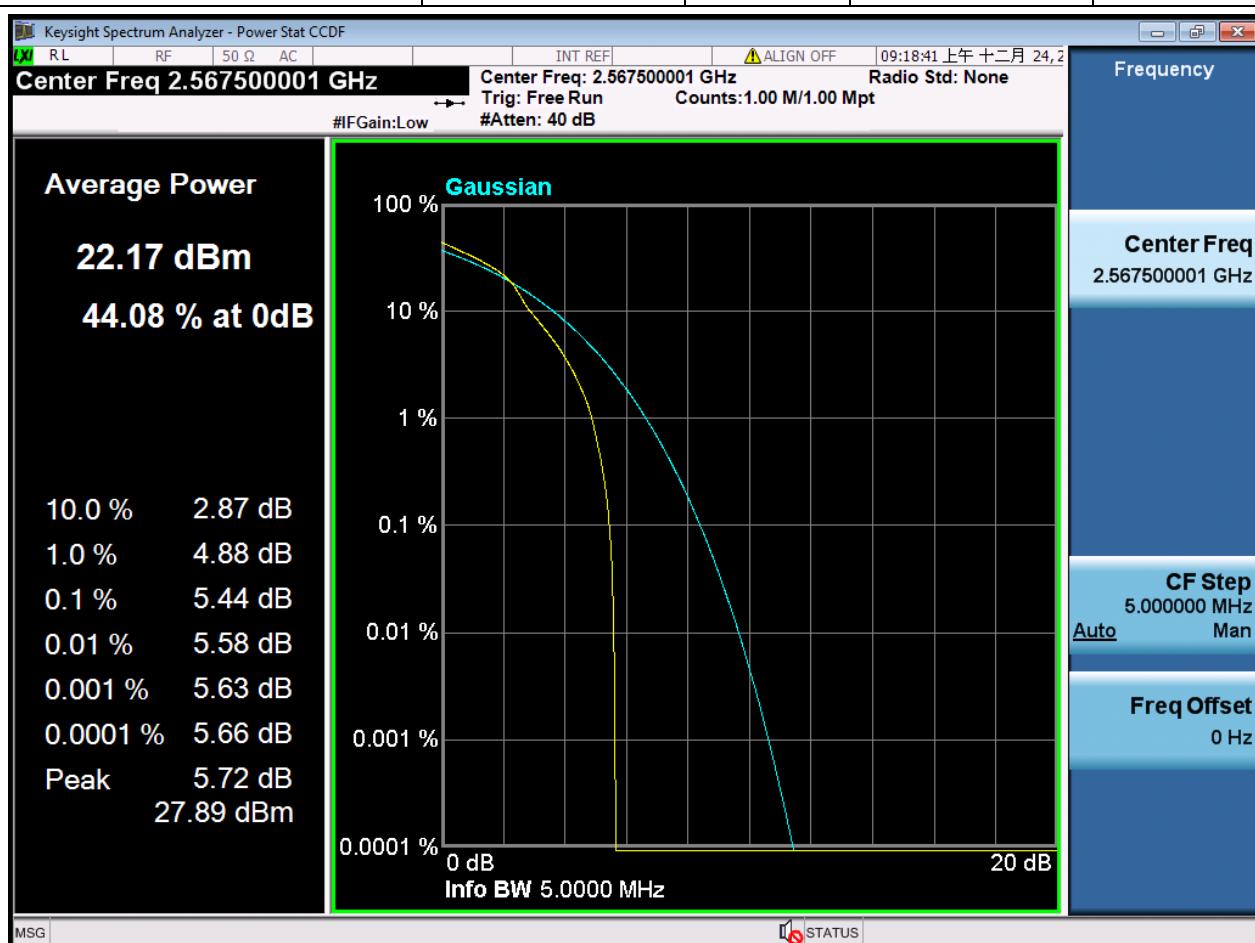
Average Power
22.13 dBm
44.01 % at 0dB

10.0 %	2.87 dB
1.0 %	4.86 dB
0.1 %	5.42 dB
0.01 %	5.56 dB
0.001 %	5.60 dB
0.0001 %	5.61 dB
Peak	5.62 dB
	27.75 dBm

MSG STATUS

1.41. LTE Peak to Average Ratio(NTNV)(Subtest:41, Channel:21425, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:MID)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2567.5	0.1	5.44	13	Pass



Average Power
22.17 dBm
44.08 % at 0dB

10.0 %	2.87 dB
1.0 %	4.88 dB
0.1 %	5.44 dB
0.01 %	5.58 dB
0.001 %	5.63 dB
0.0001 %	5.66 dB
Peak	5.72 dB
	27.89 dBm

1.42. LTE Peak to Average Ratio(NTNV)(Subtest:42, Channel:21425, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:HIGH)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2567.5	0.1	5.54	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 09:18:45 上午 十二月 24, 2018

Center Freq 2.567500001 GHz Center Freq: 2.567500001 GHz Radio Std: None

Trig: Free Run Counts: 1.00 M/1.00 Mpt

#IFGain:Low #Atten: 40 dB

Average Power
22.05 dBm
43.89 % at 0dB

10.0 % 2.85 dB
1.0 % 4.92 dB
0.1 % 5.54 dB
0.01 % 5.69 dB
0.001 % 5.74 dB
0.0001 % 5.76 dB
Peak 5.84 dB
27.89 dBm

Gaussian



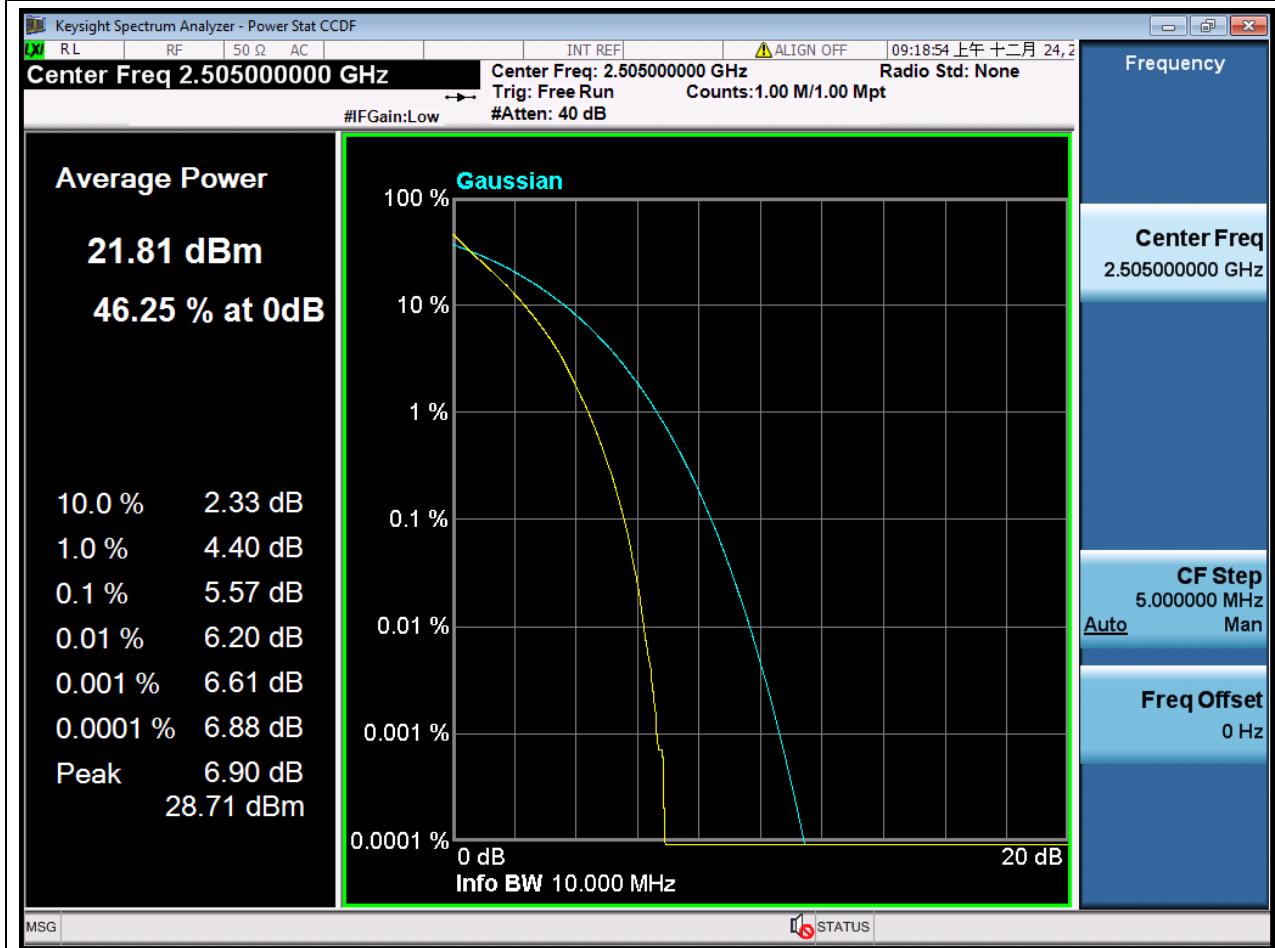
Info BW 5.0000 MHz

Frequency
Center Freq 2.567500001 GHz
CF Step 5.000000 MHz
Auto Man
Freq Offset 0 Hz

MSG STATUS

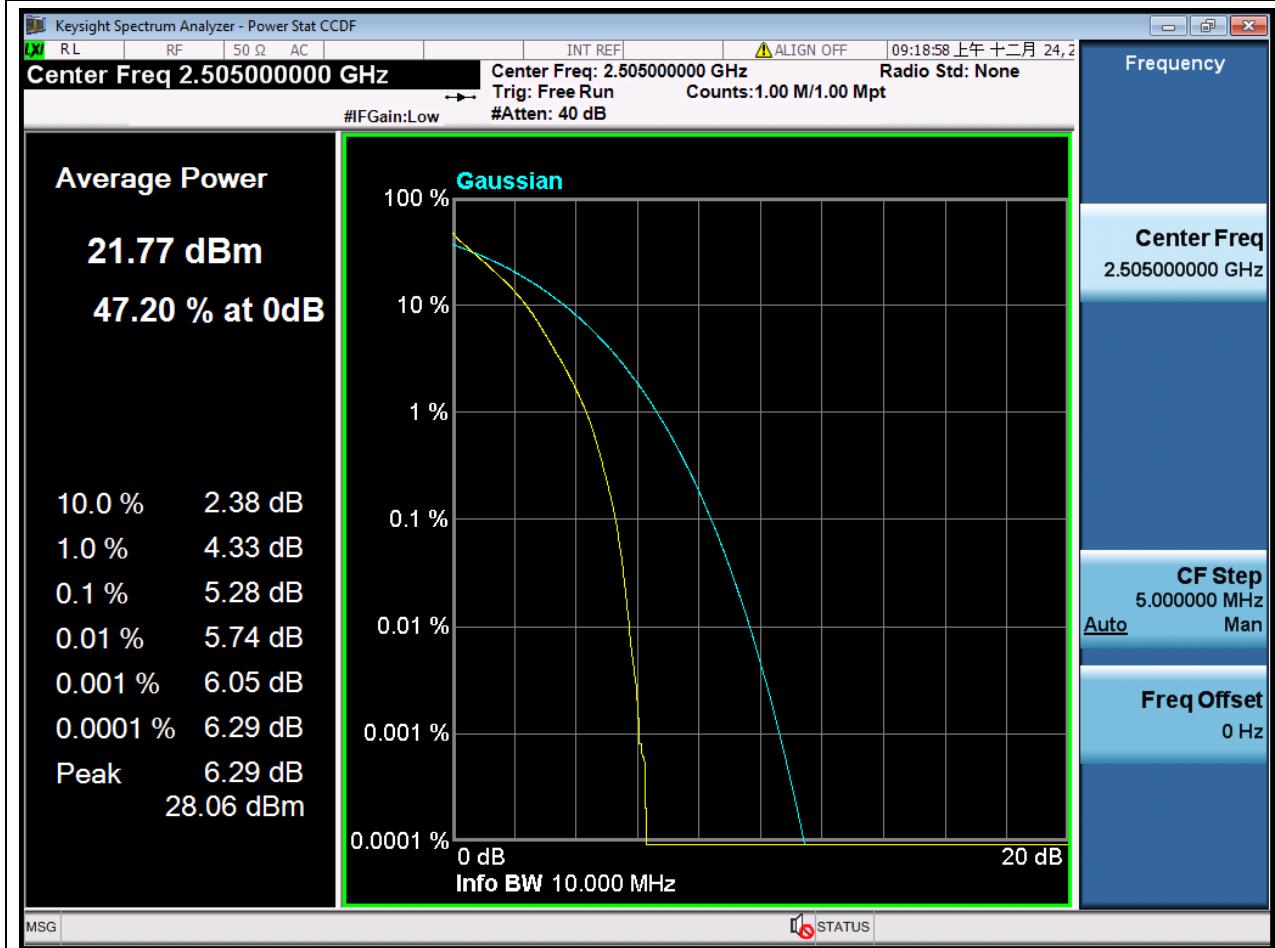
1.43. LTE Peak to Average Ratio(NTNV)(Subtest:43, Channel:20800, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2505	0.1	5.57	13	Pass



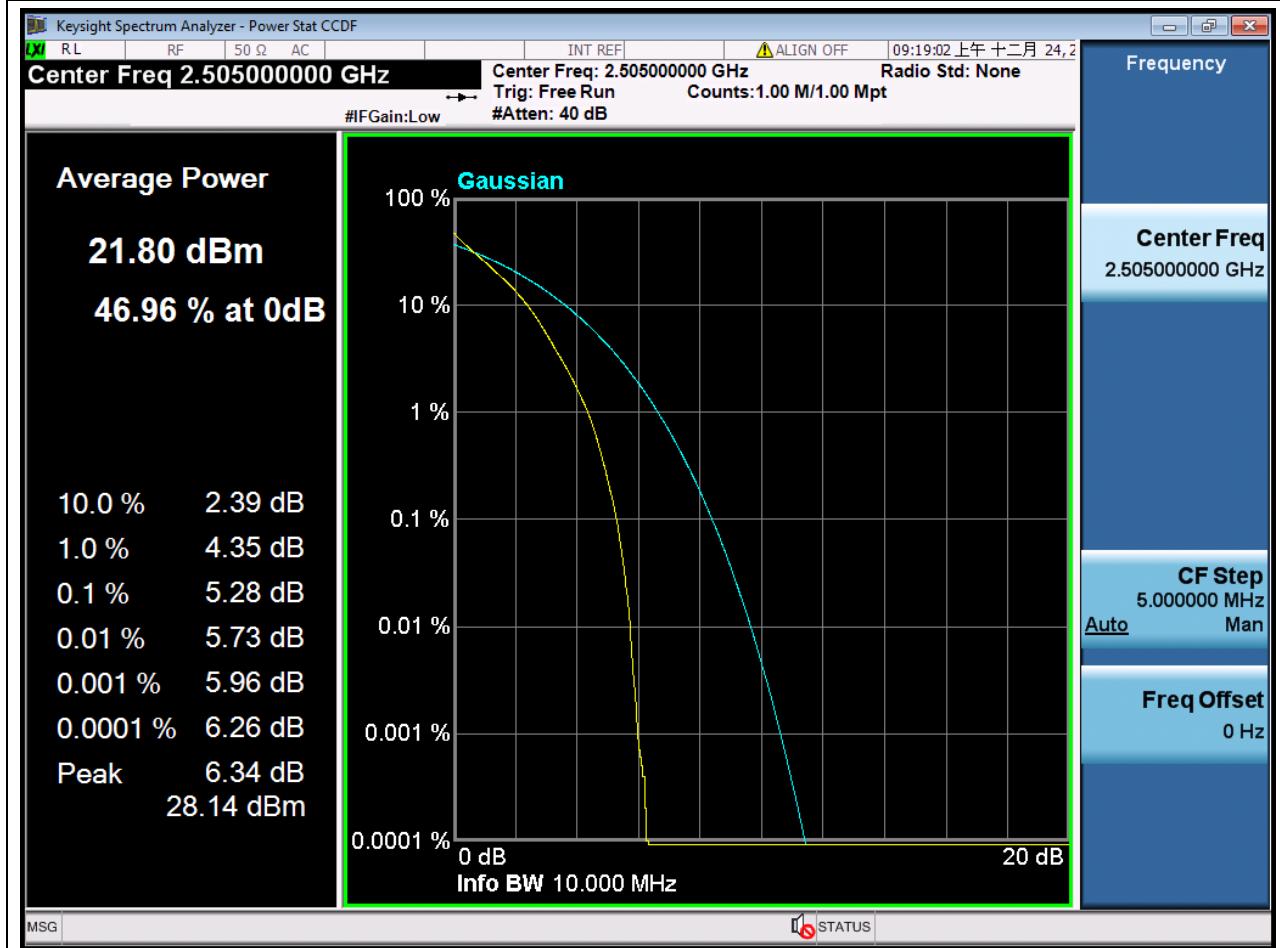
1.44. LTE Peak to Average Ratio(NTNV)(Subtest:44, Channel:20800, Bandwidth:10, Modulation:QPSK, RB Number: 25, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2505	0.1	5.28	13	Pass



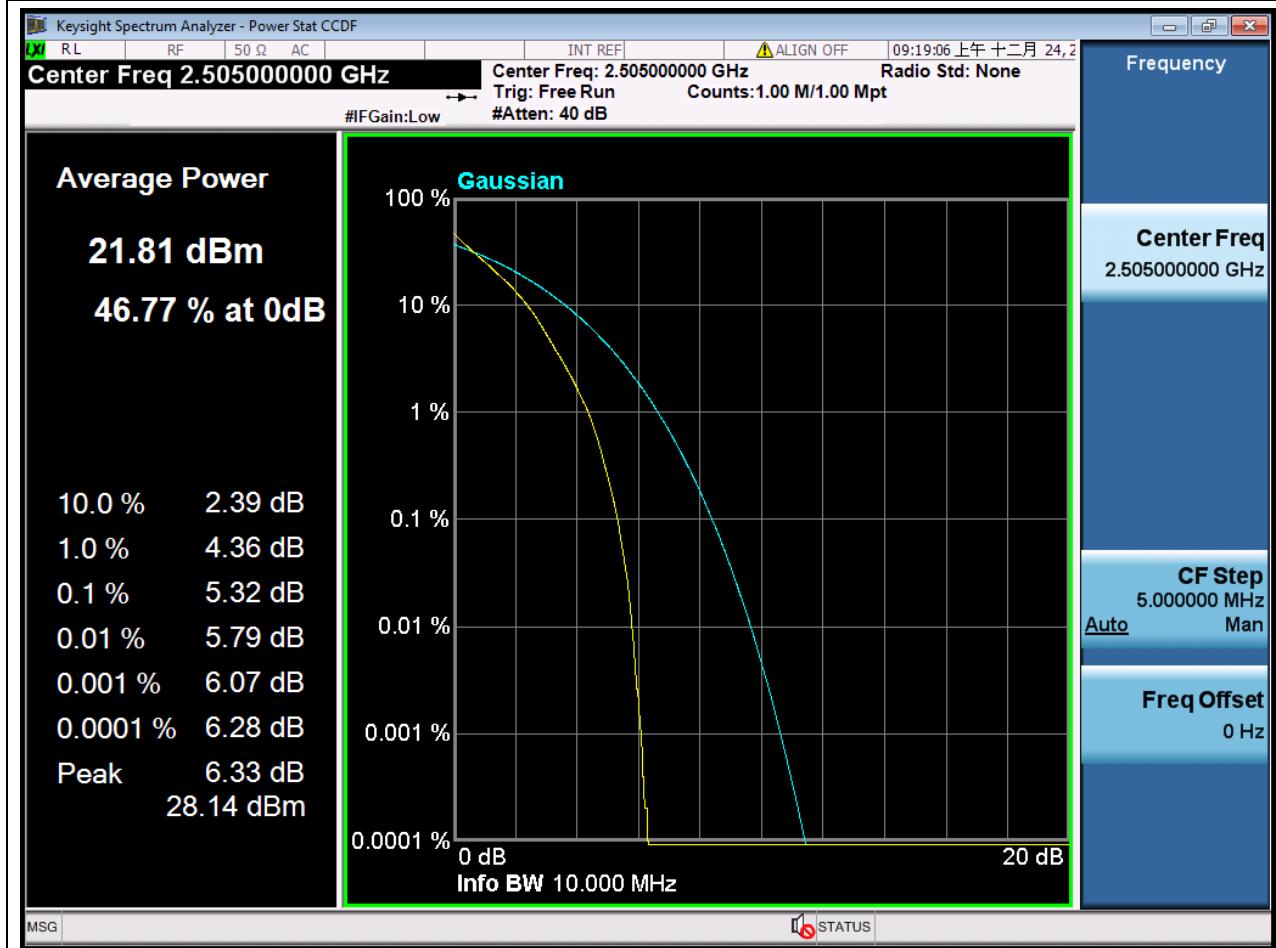
1.45. LTE Peak to Average Ratio(NTNV)(Subtest:45, Channel:20800, Bandwidth:10, Modulation:QPSK, RB Number: 25, RB Position:MID)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2505	0.1	5.28	13	Pass



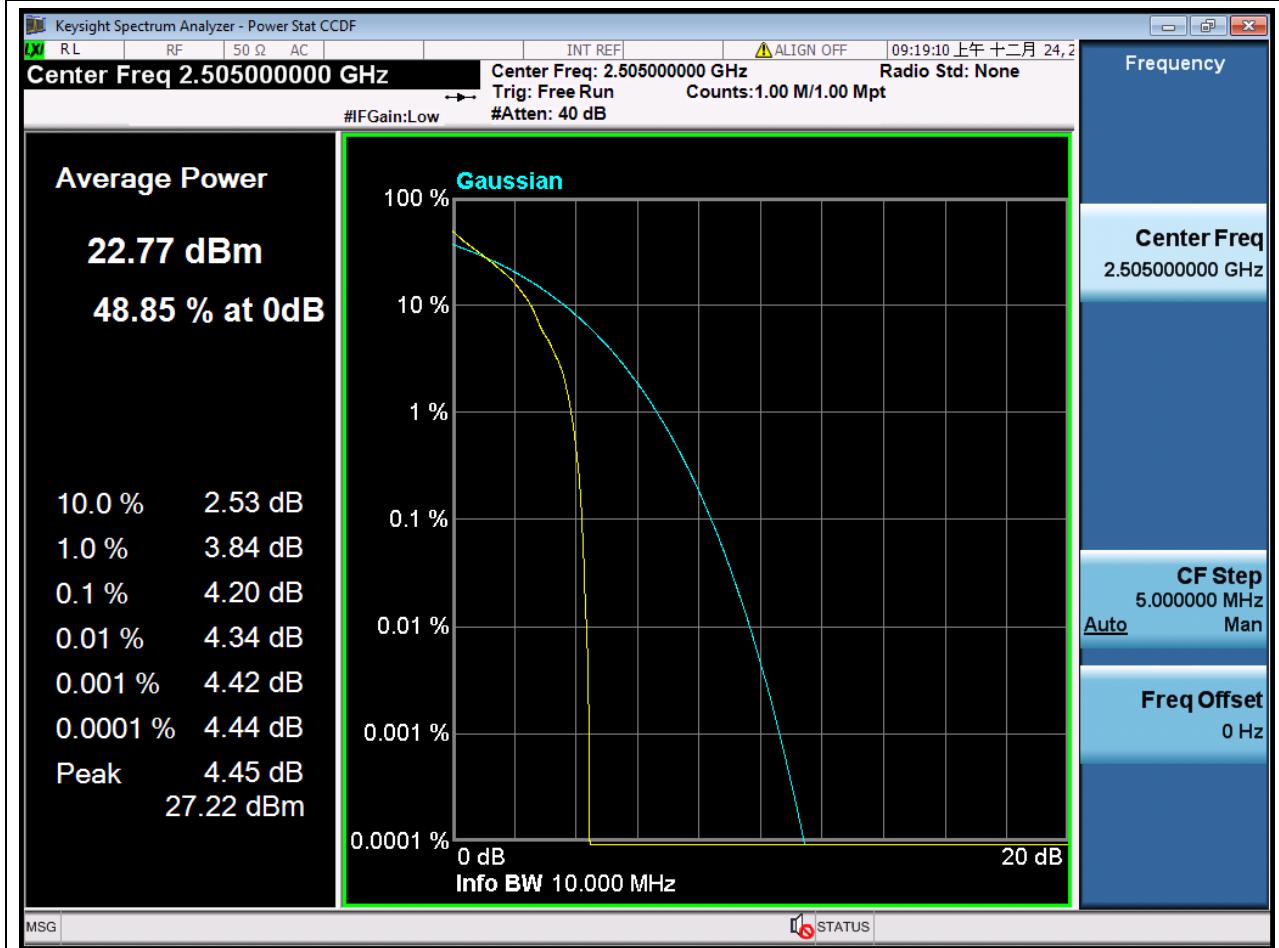
1.46. LTE Peak to Average Ratio(NTNV)(Subtest:46, Channel:20800, Bandwidth:10, Modulation:QPSK, RB Number: 25, RB Position:HIGH)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2505	0.1	5.32	13	Pass



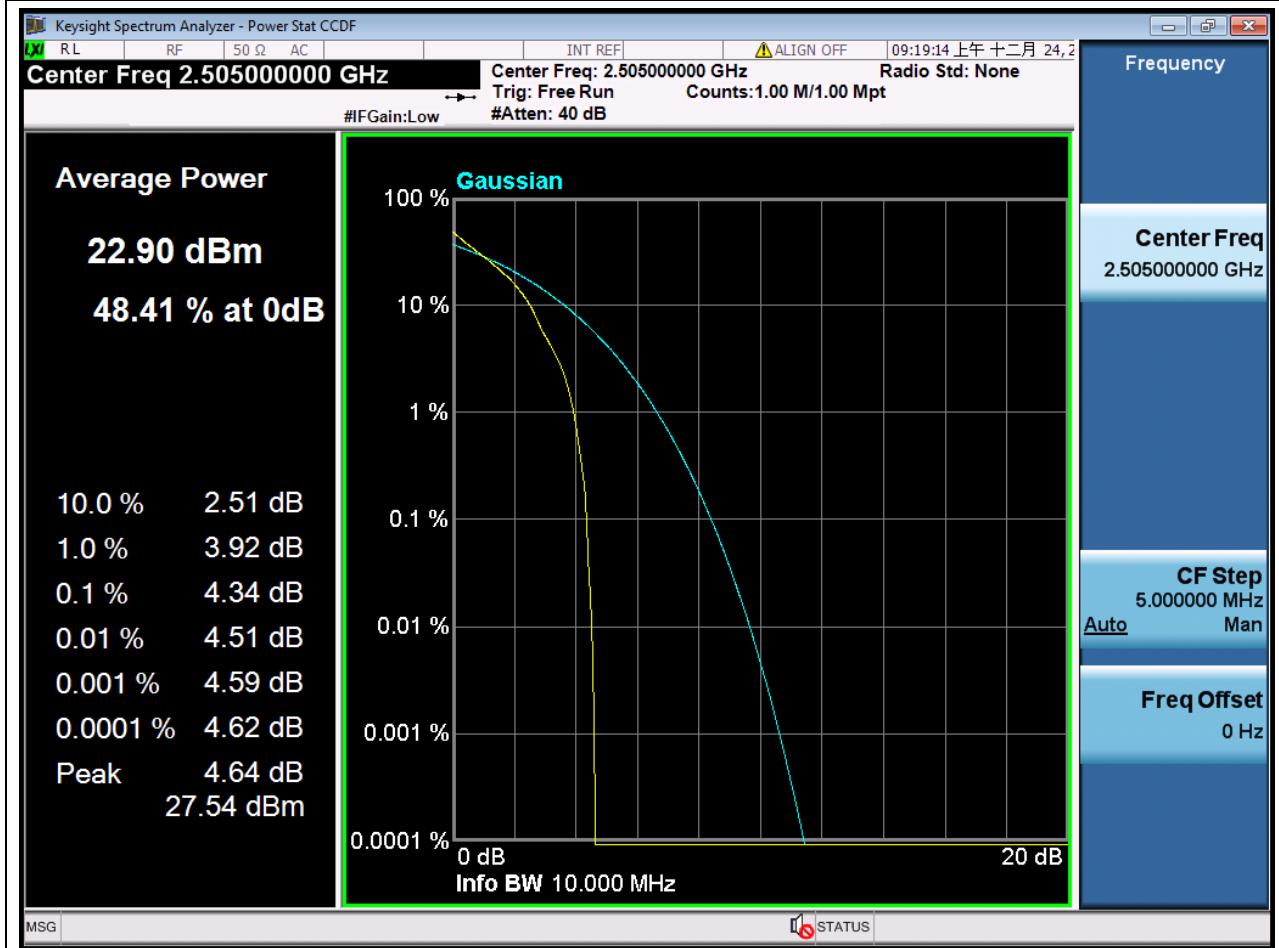
1.47. LTE Peak to Average Ratio(NTNV)(Subtest:47, Channel:20800, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2505	0.1	4.2	13	Pass



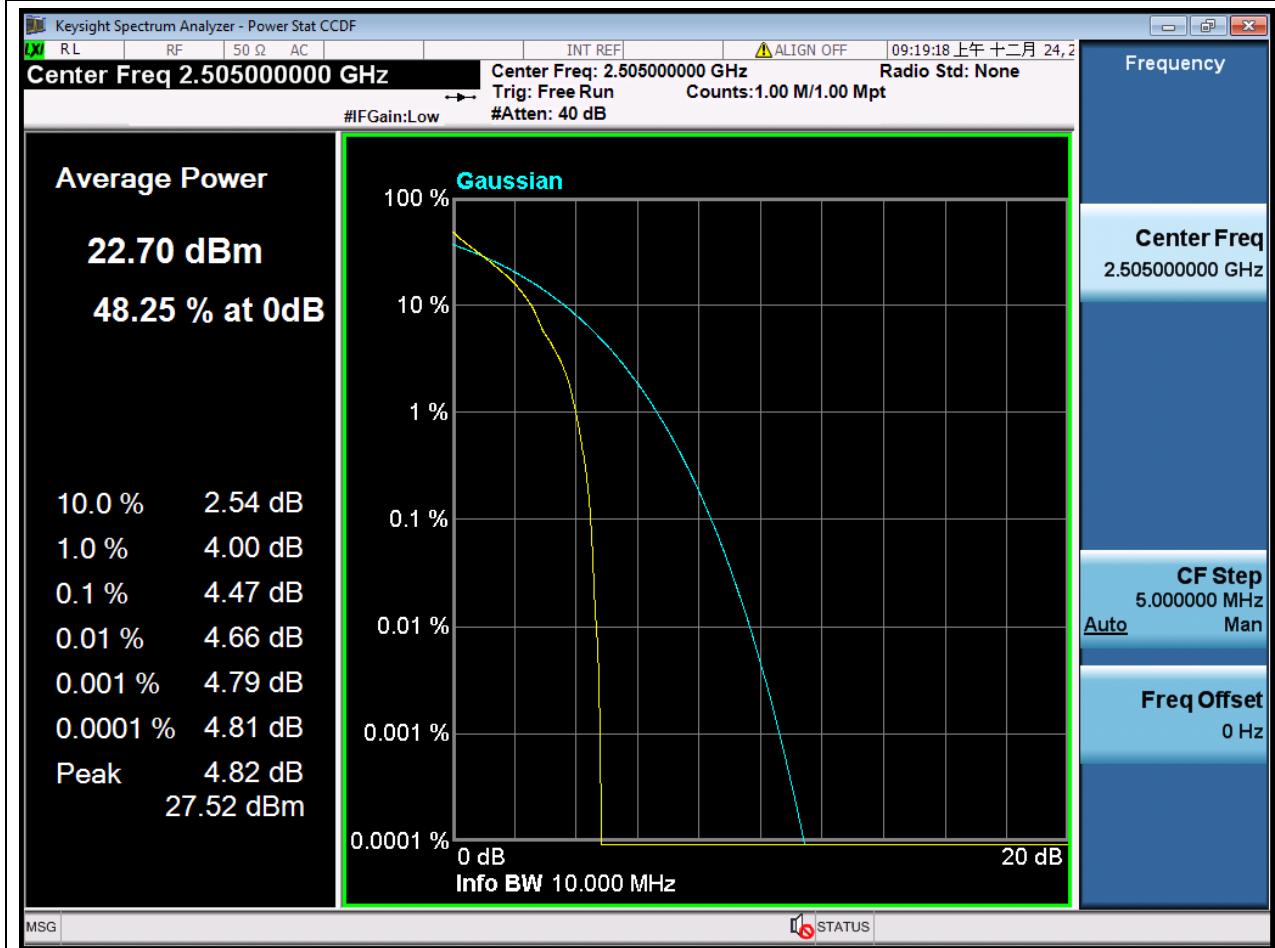
1.48. LTE Peak to Average Ratio(NTNV)(Subtest:48, Channel:20800, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:MID)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2505	0.1	4.34	13	Pass



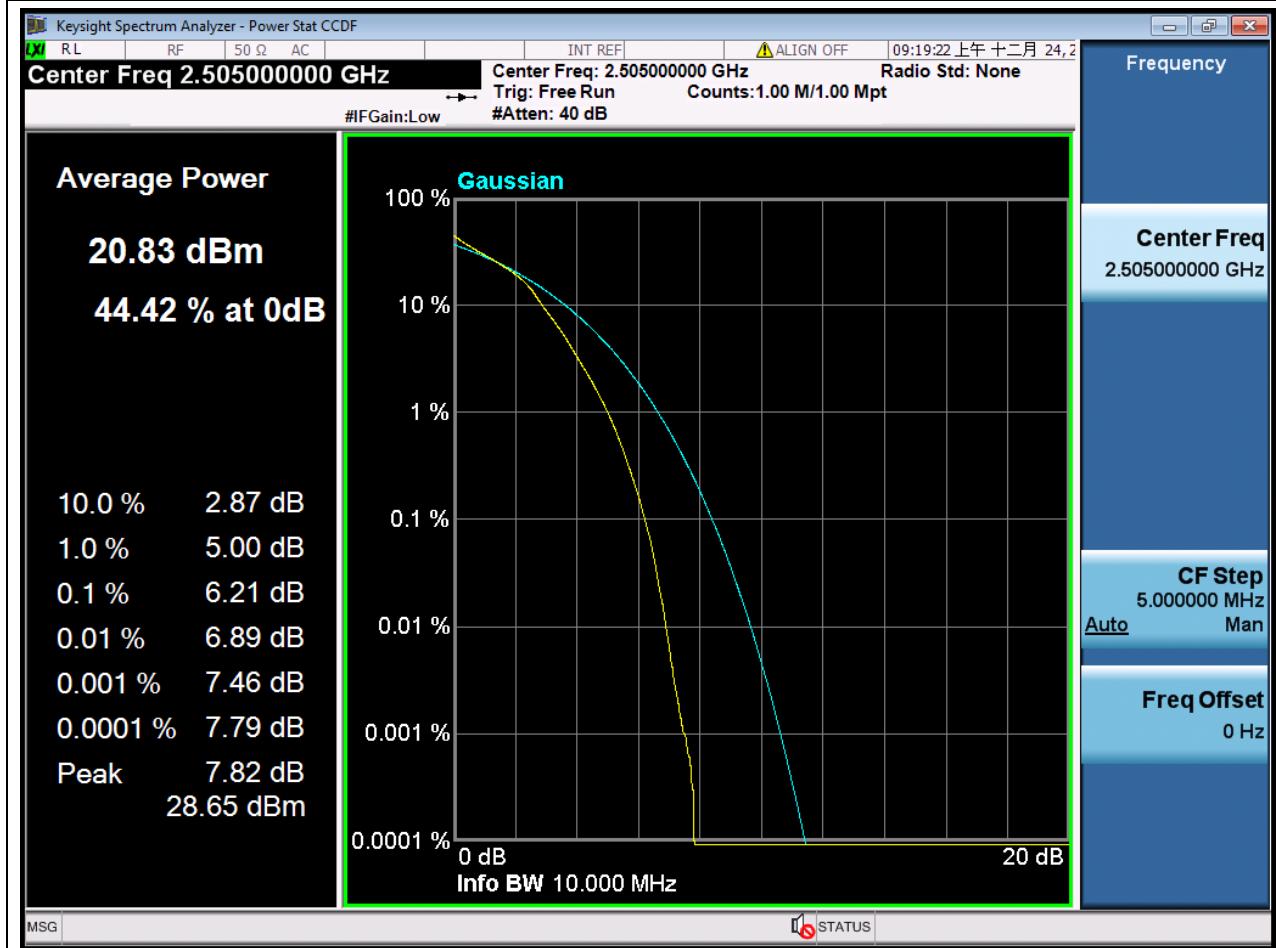
1.49. LTE Peak to Average Ratio(NTNV)(Subtest:49, Channel:20800, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2505	0.1	4.47	13	Pass



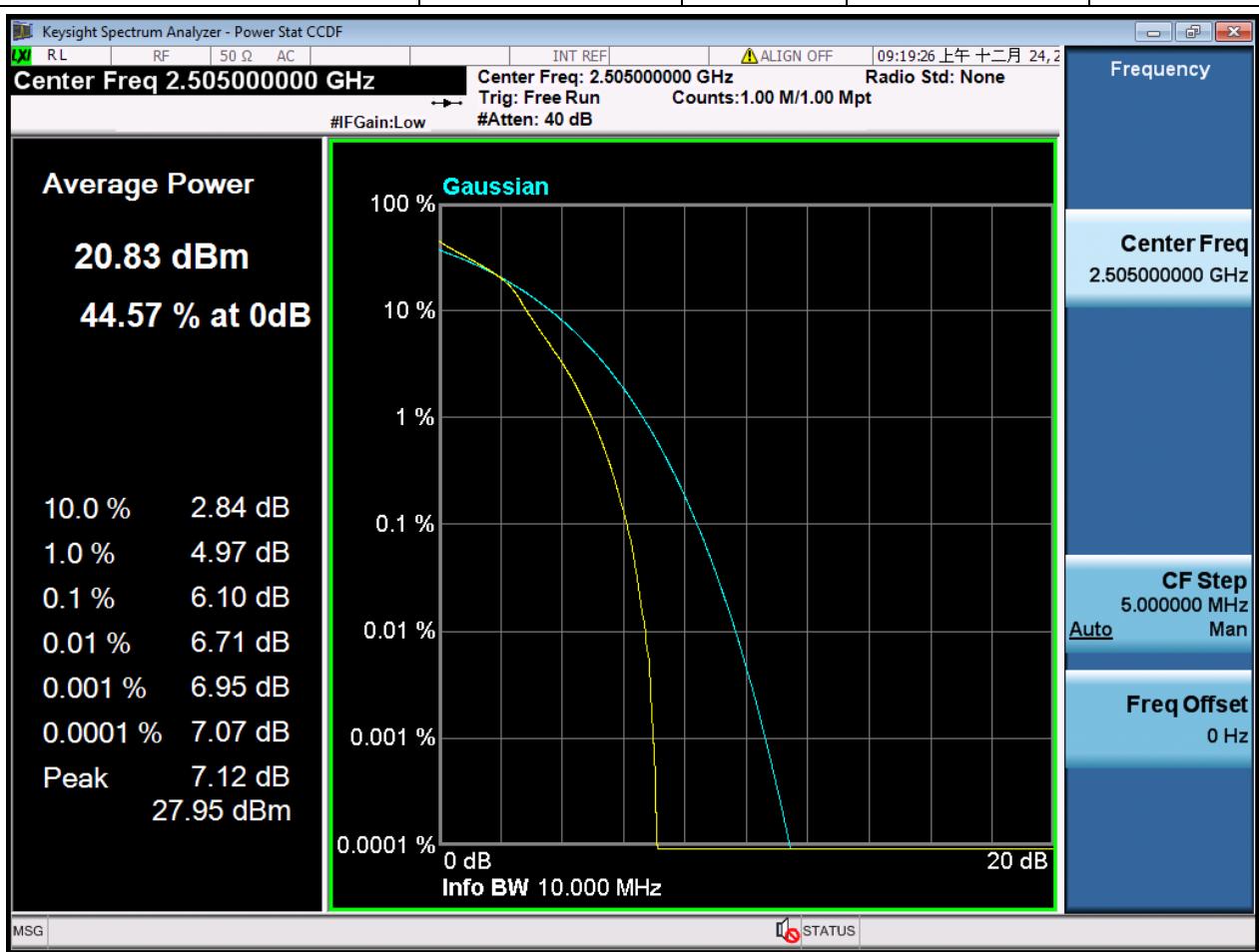
1.50. LTE Peak to Average Ratio(NTNV)(Subtest:50, Channel:20800, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2505	0.1	6.21	13	Pass



1.51. LTE Peak to Average Ratio(NTNV)(Subtest:51, Channel:20800, Bandwidth:10, Modulation:Q16, RB Number: 25, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2505	0.1	6.1	13	Pass

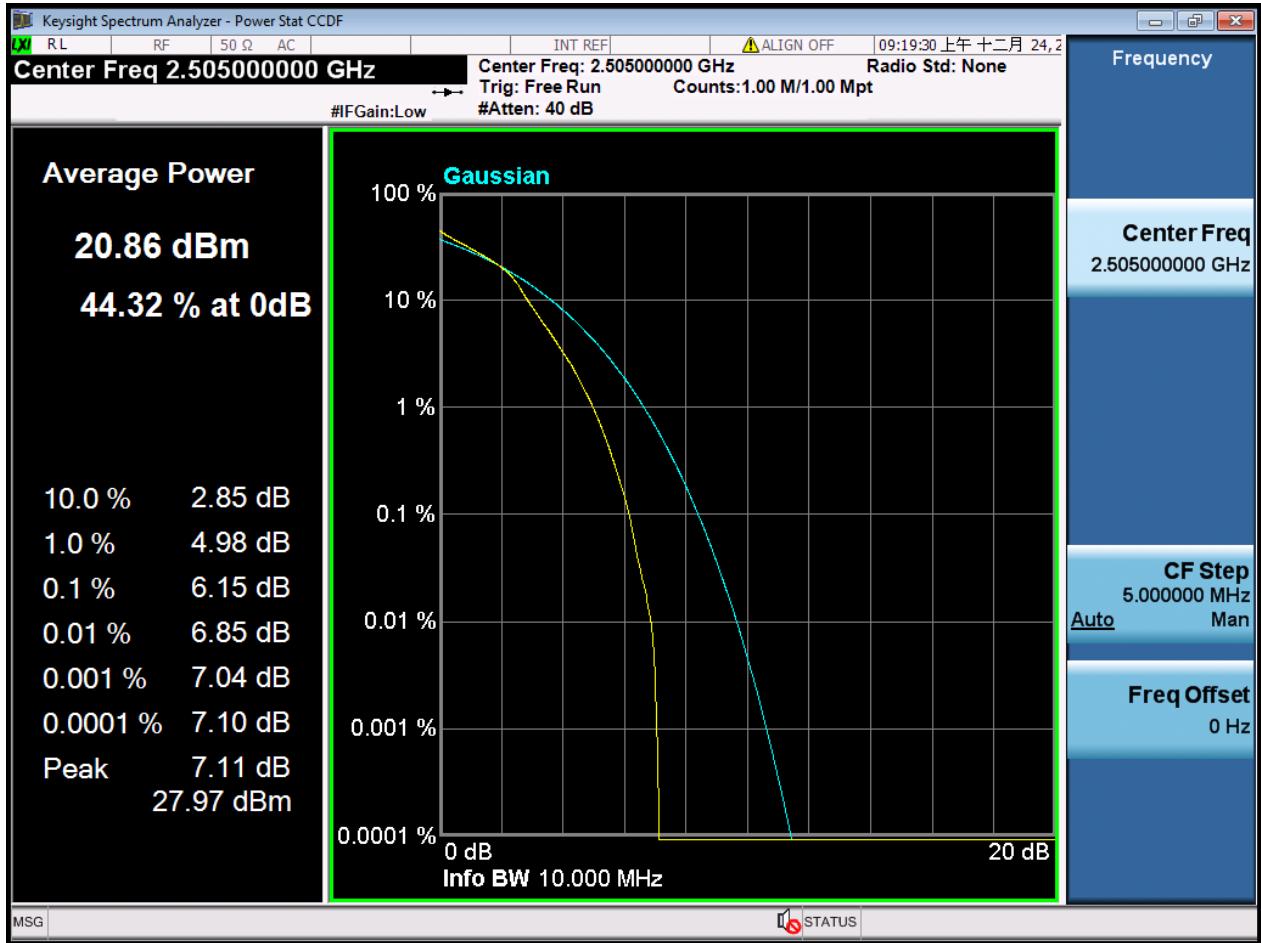


Average Power
20.83 dBm
44.57 % at 0dB

10.0 %	2.84 dB
1.0 %	4.97 dB
0.1 %	6.10 dB
0.01 %	6.71 dB
0.001 %	6.95 dB
0.0001 %	7.07 dB
Peak	7.12 dB
	27.95 dBm

1.52. LTE Peak to Average Ratio(NTNV)(Subtest:52, Channel:20800, Bandwidth:10, Modulation:Q16, RB Number: 25, RB Position:MID)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2505	0.1	6.15	13	Pass



10.0 %	2.85 dB
1.0 %	4.98 dB
0.1 %	6.15 dB
0.01 %	6.85 dB
0.001 %	7.04 dB
0.0001 %	7.10 dB
Peak	7.11 dB
	27.97 dBm

1.53. LTE Peak to Average Ratio(NTNV)(Subtest:53, Channel:20800, Bandwidth:10, Modulation:Q16, RB Number: 25, RB Position:HIGH)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2505	0.1	6.22	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 09:19:34 上午 十二月 24, 2018

Center Freq 2.505000000 GHz Center Freq: 2.505000000 GHz Radio Std: None

Trig: Free Run Counts: 1.00 M/1.00 Mpt

#IFGain:Low #Atten: 40 dB

Average Power
20.87 dBm
44.51 % at 0dB

10.0 % 2.85 dB
1.0 % 5.01 dB
0.1 % 6.22 dB
0.01 % 6.95 dB
0.001 % 7.22 dB
0.0001 % 7.28 dB
Peak 7.28 dB
28.15 dBm

Gaussian



0.0001 % 0 dB 20 dB

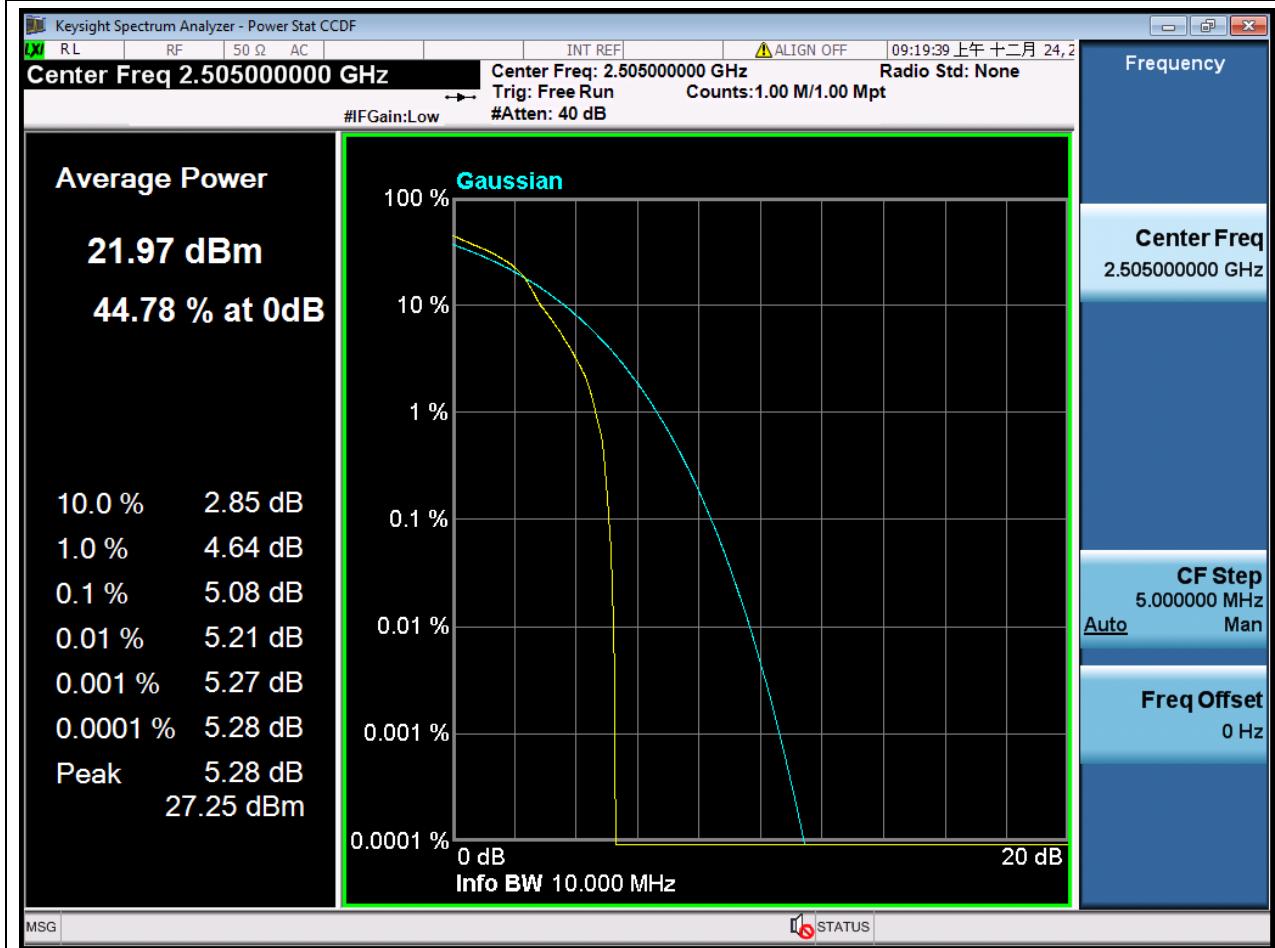
Info BW 10.000 MHz

Frequency
Center Freq 2.505000000 GHz
CF Step 5.000000 MHz Man
Freq Offset 0 Hz

MSG STATUS

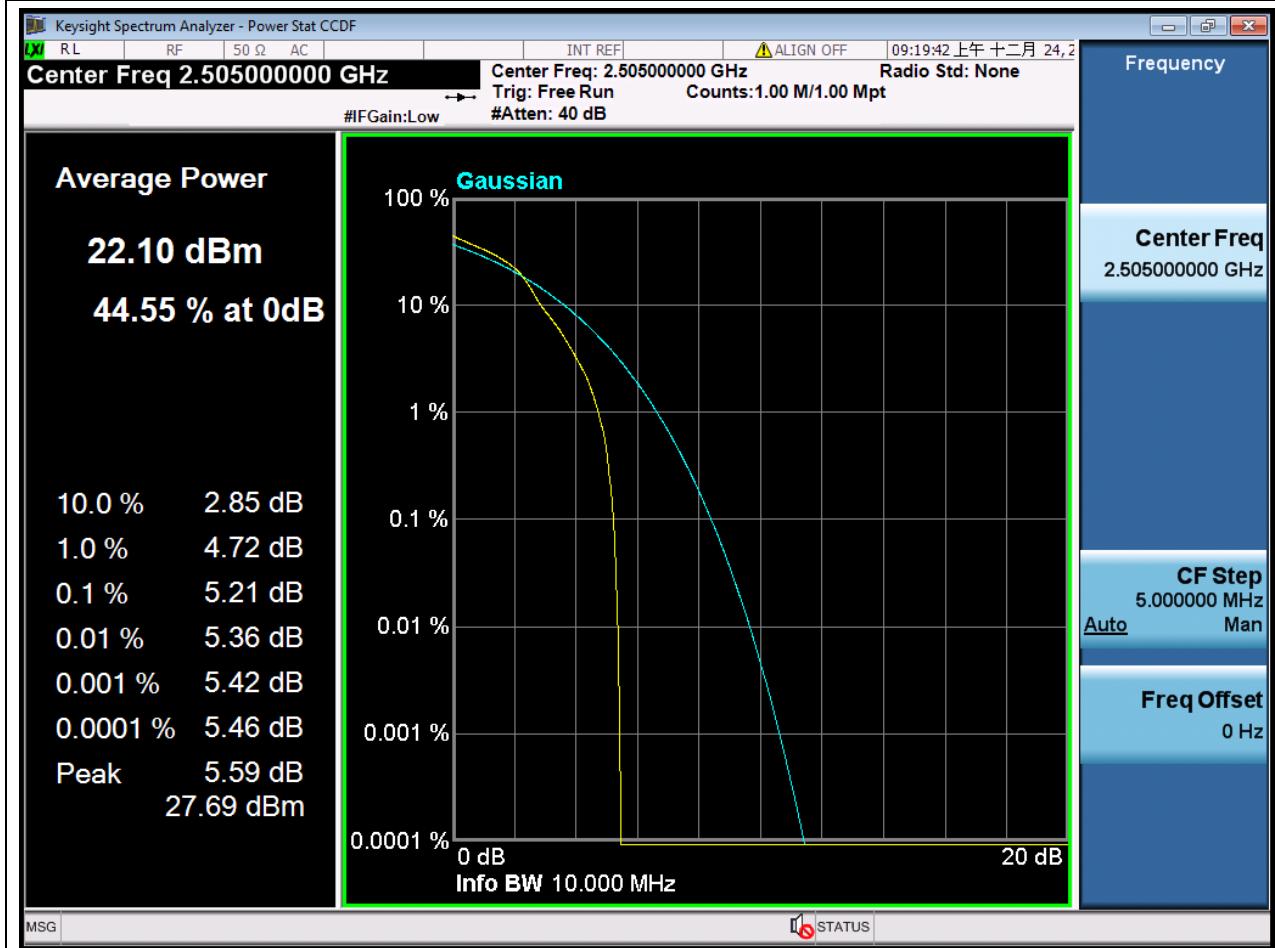
1.54. LTE Peak to Average Ratio(NTNV)(Subtest:54, Channel:20800, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2505	0.1	5.08	13	Pass



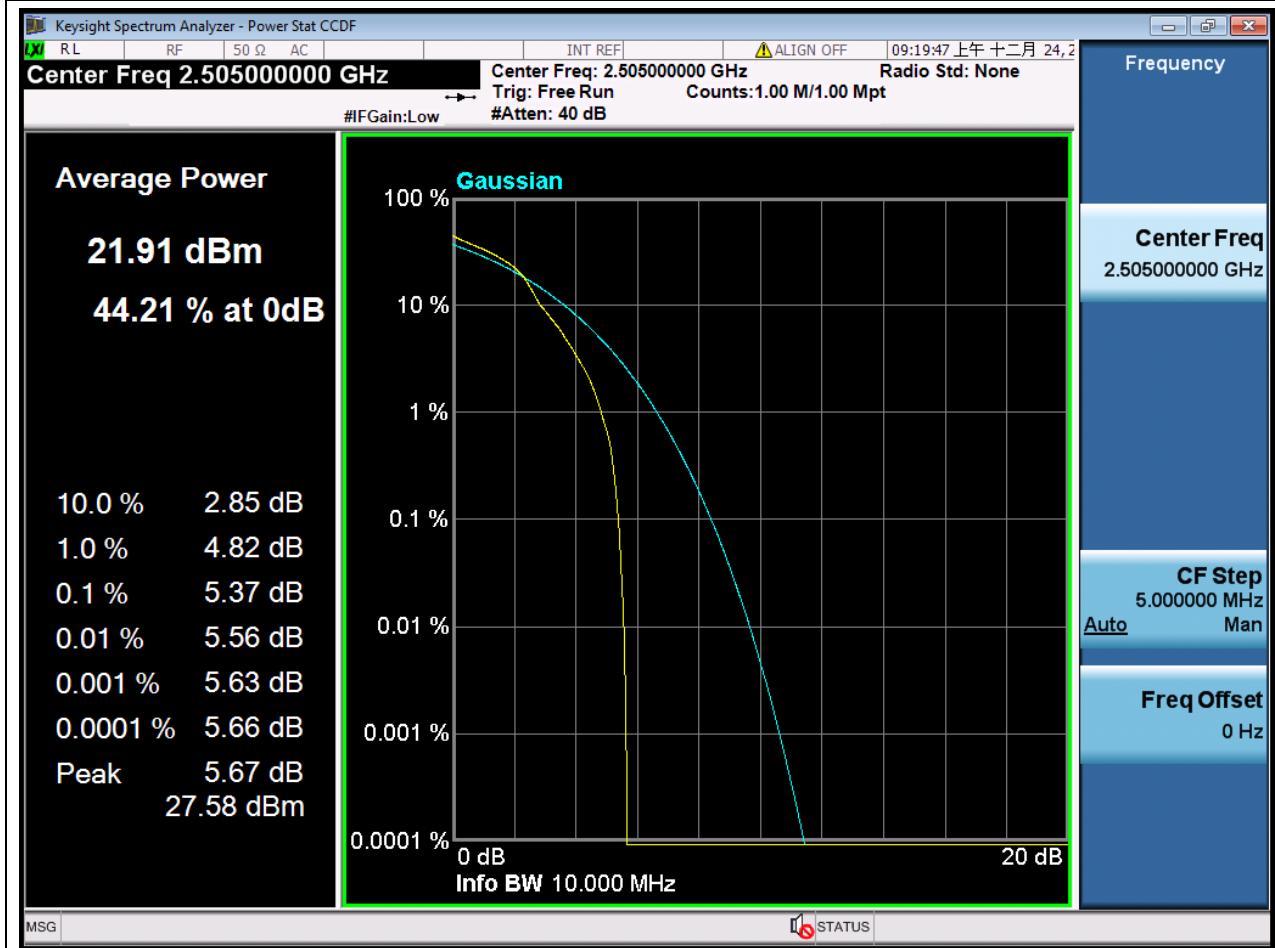
1.55. LTE Peak to Average Ratio(NTNV)(Subtest:55, Channel:20800, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:MID)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2505	0.1	5.21	13	Pass



1.56. LTE Peak to Average Ratio(NTNV)(Subtest:56, Channel:20800, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:HIGH)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2505	0.1	5.37	13	Pass



1.57. LTE Peak to Average Ratio(NTNV)(Subtest:57, Channel:21100, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2535	0.1	5.54	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 09:19:54 上午 十二月 24, 2018

Center Freq 2.535000001 GHz Center Freq: 2.535000001 GHz Radio Std: None
Trig: Free Run Counts: 1.00 M/1.00 Mpt
#IFGain:Low #Atten: 40 dB

Average Power 21.88 dBm
46.08 % at 0dB

10.0 % 2.34 dB
1.0 % 4.41 dB
0.1 % 5.54 dB
0.01 % 6.21 dB
0.001 % 6.70 dB
0.0001 % 6.88 dB
Peak 7.01 dB
28.89 dBm

Gaussian



0.0001 % 0 dB 20 dB Info BW 10.000 MHz

Frequency
Center Freq 2.535000001 GHz
CF Step 5.000000 MHz Man
Freq Offset 0 Hz

MSG STATUS

1.58. LTE Peak to Average Ratio(NTNV)(Subtest:58, Channel:21100, Bandwidth:10, Modulation:QPSK, RB Number: 25, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2535	0.1	5.38	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 09:19:58 上午 十二月 24, 2018

Center Freq 2.535000001 GHz Center Freq: 2.535000001 GHz Radio Std: None

Trig: Free Run Counts: 1.00 M/1.00 Mpt

#IFGain:Low #Atten: 40 dB

Average Power
21.95 dBm
46.51 % at 0dB

10.0 % 2.39 dB
1.0 % 4.32 dB
0.1 % 5.38 dB
0.01 % 5.94 dB
0.001 % 6.29 dB
0.0001 % 6.37 dB
Peak 6.38 dB
28.33 dBm

Gaussian



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

0 dB 20 dB

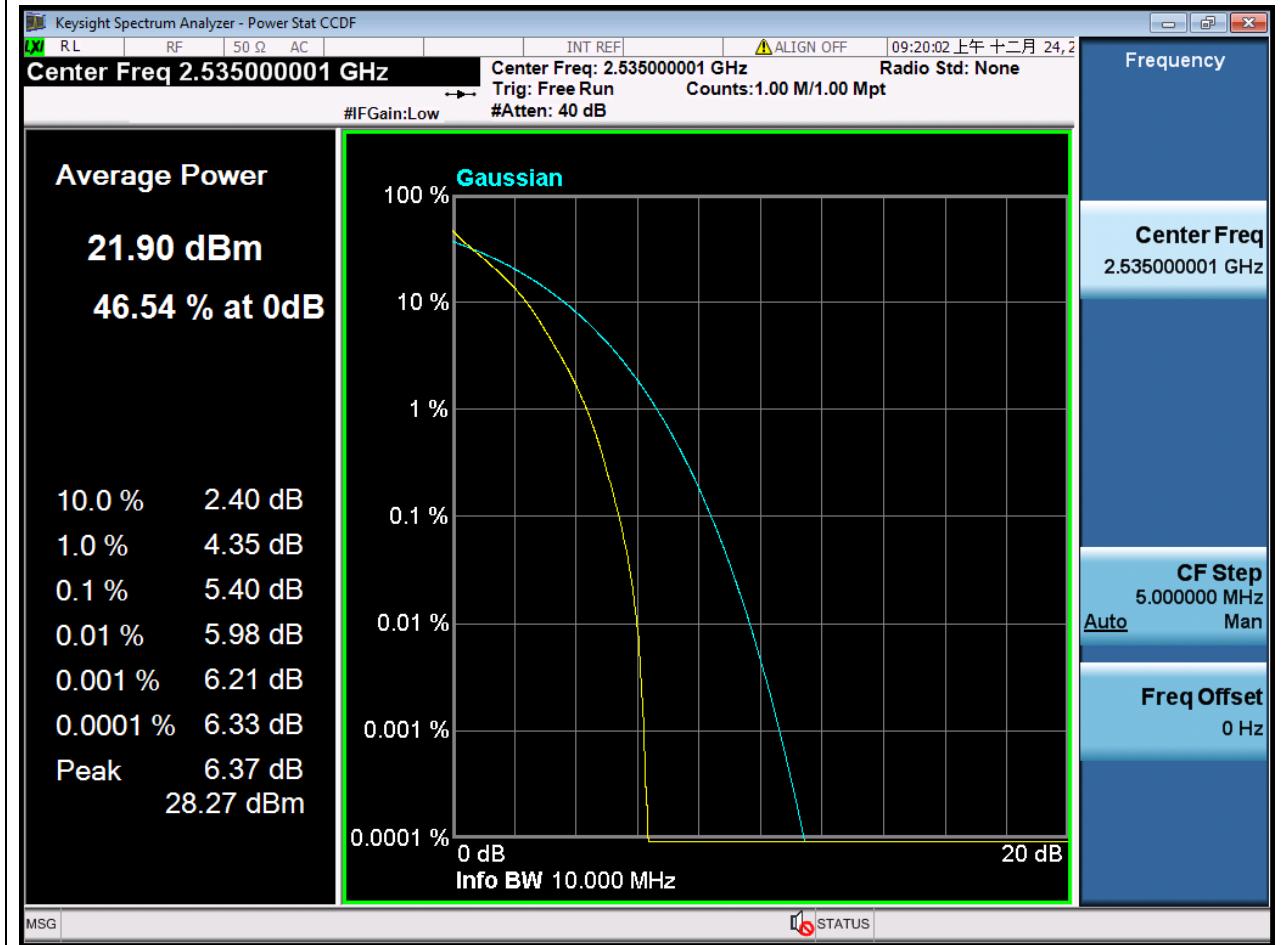
Info BW 10.000 MHz

Frequency
Center Freq 2.535000001 GHz
CF Step 5.000000 MHz Man
Freq Offset 0 Hz

MSG STATUS

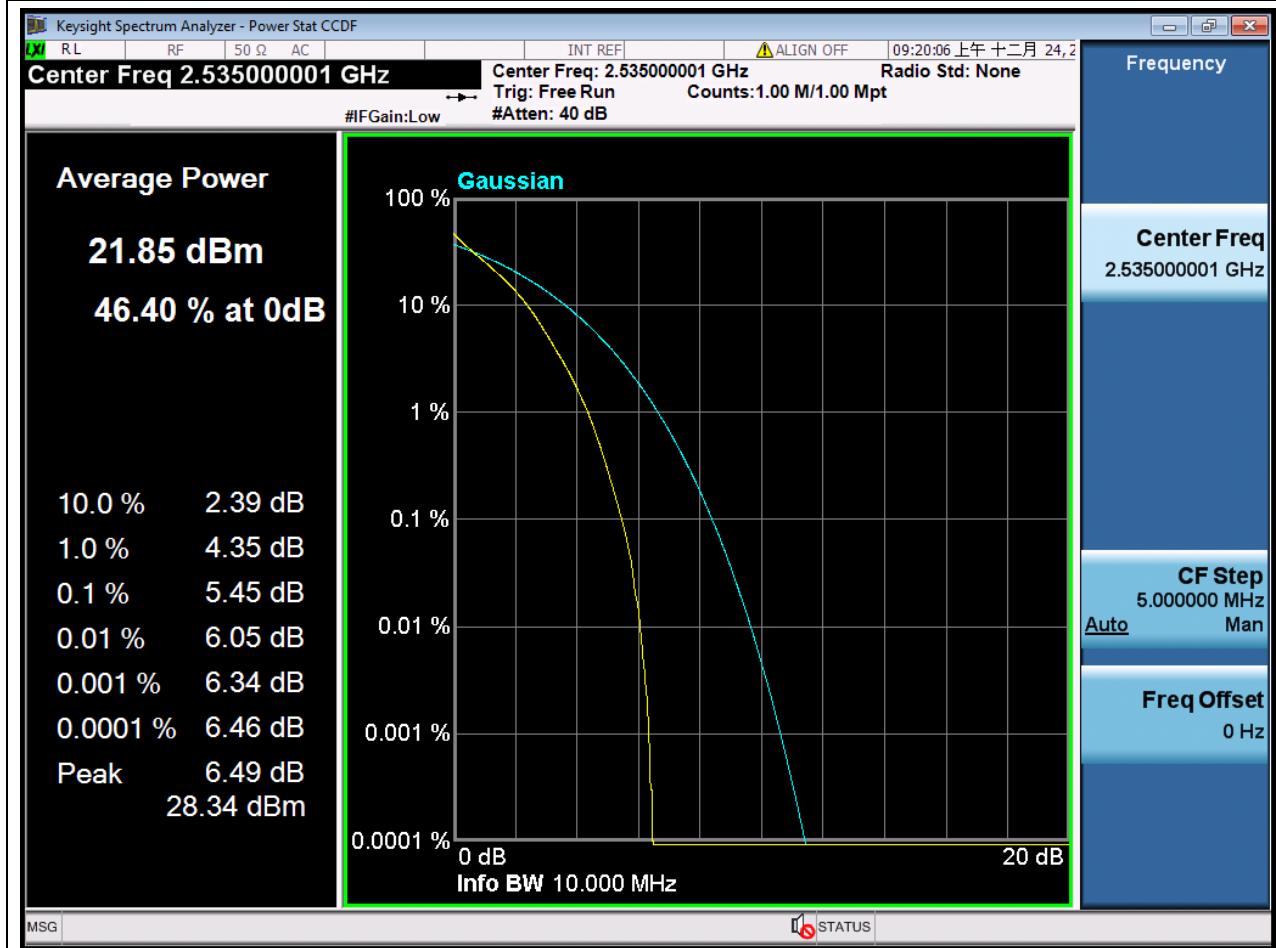
1.59. LTE Peak to Average Ratio(NTNV)(Subtest:59, Channel:21100, Bandwidth:10, Modulation:QPSK, RB Number: 25, RB Position:MID)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2535	0.1	5.4	13	Pass



1.60. LTE Peak to Average Ratio(NTNV)(Subtest:60, Channel:21100, Bandwidth:10, Modulation:QPSK, RB Number: 25, RB Position:HIGH)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2535	0.1	5.45	13	Pass



1.61. LTE Peak to Average Ratio(NTNV)(Subtest:61, Channel:21100, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2535	0.1	4.57	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 09:20:10 上午 十二月 24, 2018

Center Freq 2.535000001 GHz Center Freq: 2.535000001 GHz Radio Std: None

Trig: Free Run Counts: 1.00 M/1.00 Mpt

#IFGain:Low #Atten: 40 dB

Average Power
22.86 dBm
47.84 % at 0dB

10.0 % 2.54 dB
1.0 % 4.11 dB
0.1 % 4.57 dB
0.01 % 4.67 dB
0.001 % 4.71 dB
0.0001 % 4.72 dB
Peak 4.75 dB
27.61 dBm

Gaussian



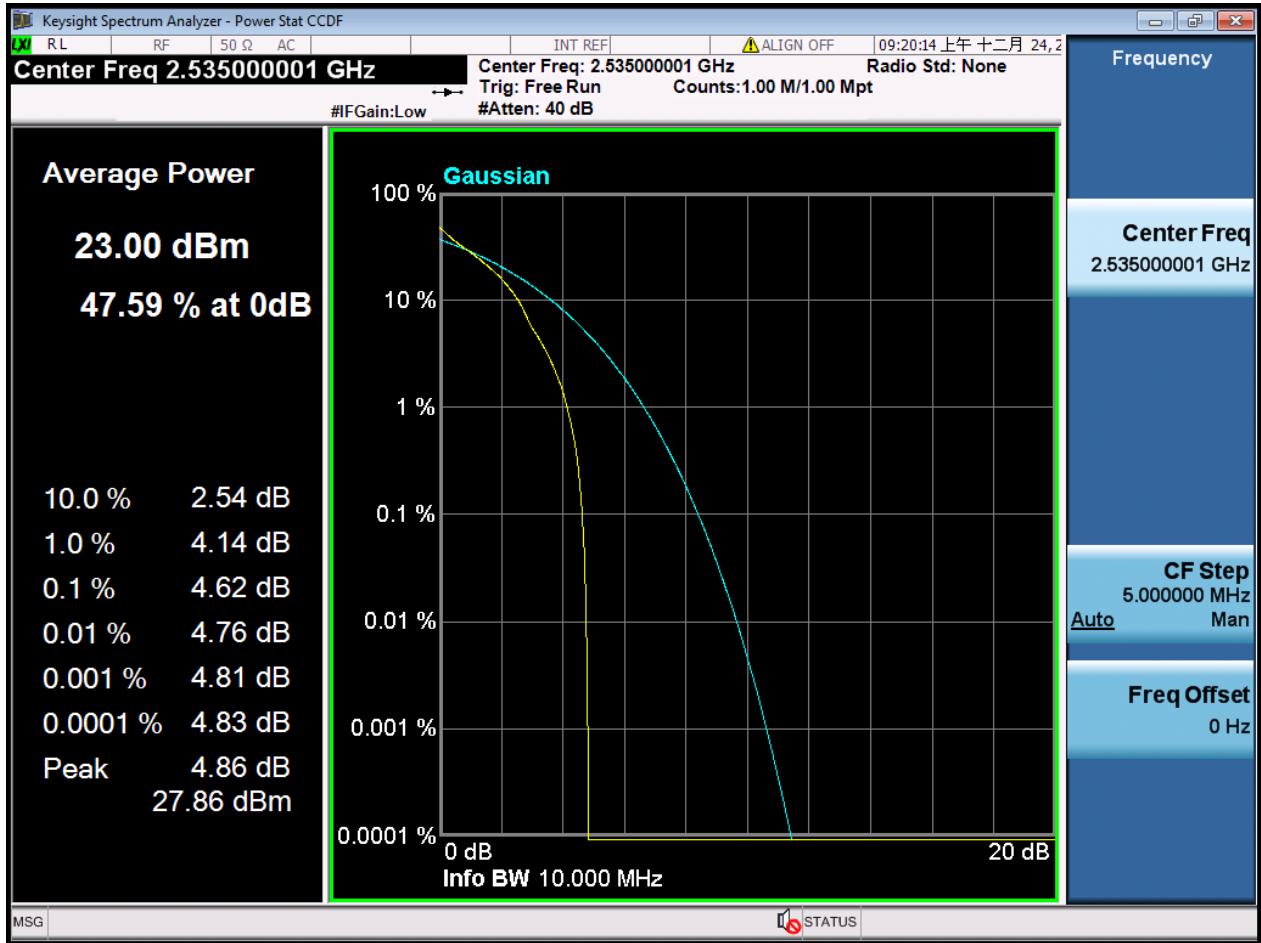
Info BW 10.000 MHz

Frequency
Center Freq 2.535000001 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:21100, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:MID)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2535	0.1	4.62	13	Pass

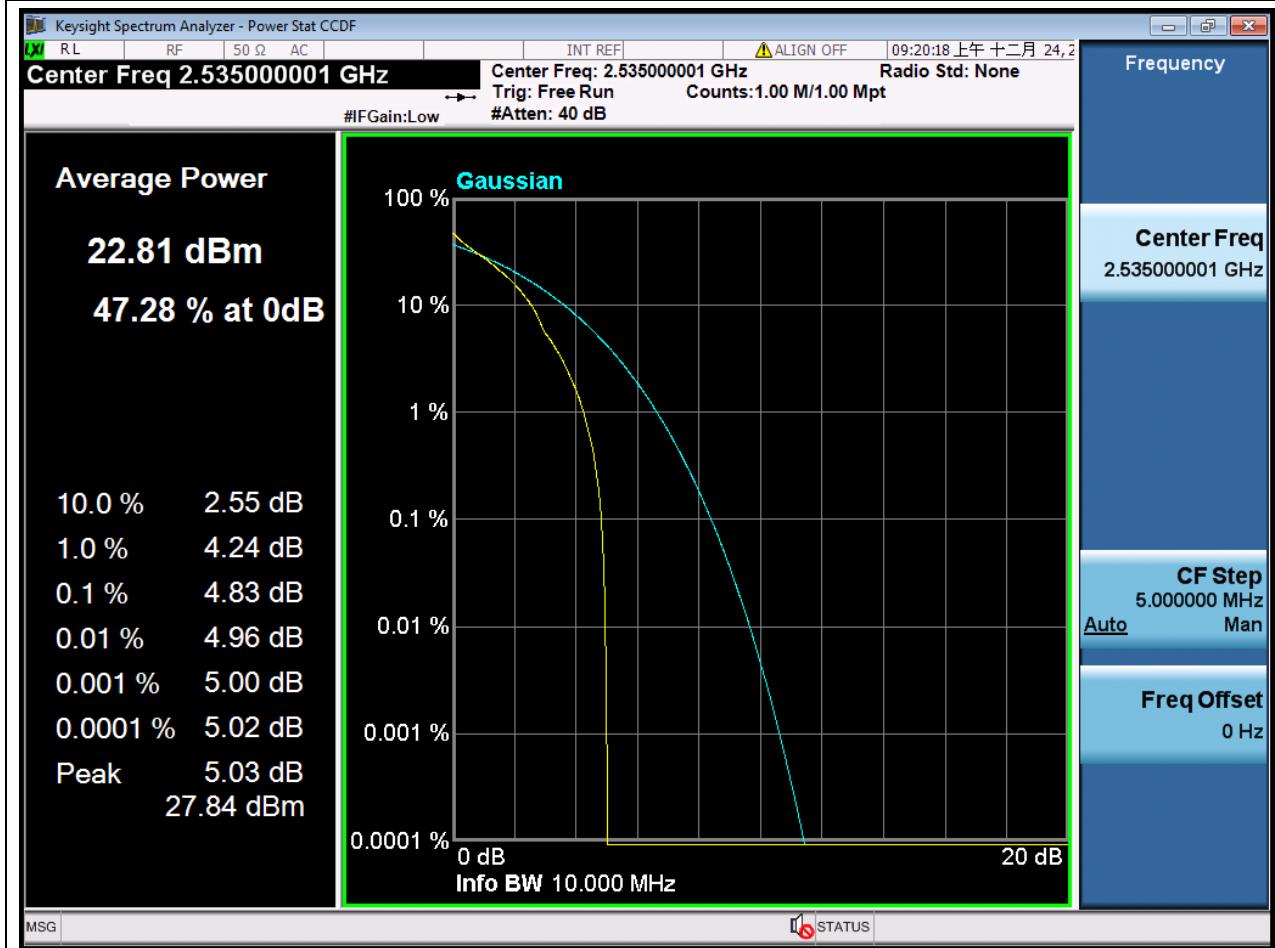


The screenshot shows the Keysight Spectrum Analyzer interface for a Power Stat CCDF analysis. The main window displays a Gaussian-shaped cumulative distribution curve on a log-linear scale. The y-axis represents percentage from 0.0001% to 100%, and the x-axis represents power in dB from 0 dB to 20 dB. A yellow step function indicates the measured data points. The center frequency is set to 2.535000001 GHz. The average power is listed as 23.00 dBm, and the 47.59 % at 0dB value is highlighted. A detailed table on the left provides the peak-to-average ratio (PAR) for various levels:

Level (%)	PAR (dB)
10.0 %	2.54 dB
1.0 %	4.14 dB
0.1 %	4.62 dB
0.01 %	4.76 dB
0.001 %	4.81 dB
0.0001 %	4.83 dB
Peak	4.86 dB
	27.86 dBm

1.63. LTE Peak to Average Ratio(NTNV)(Subtest:63, Channel:21100, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2535	0.1	4.83	13	Pass



1.64. LTE Peak to Average Ratio(NTNV)(Subtest:64, Channel:21100, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2535	0.1	6.35	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 09:20:22 上午 十二月 24, 2018

Center Freq 2.535000001 GHz Center Freq: 2.535000001 GHz Radio Std: None
Trig: Free Run Counts: 1.00 M/1.00 Mpt
#IFGain:Low #Atten: 40 dB

Average Power 20.90 dBm
44.05 % at 0dB

10.0 % 2.87 dB
1.0 % 5.05 dB
0.1 % 6.35 dB
0.01 % 7.12 dB
0.001 % 7.64 dB
0.0001 % 7.93 dB
Peak 8.00 dB
28.90 dBm

Gaussian



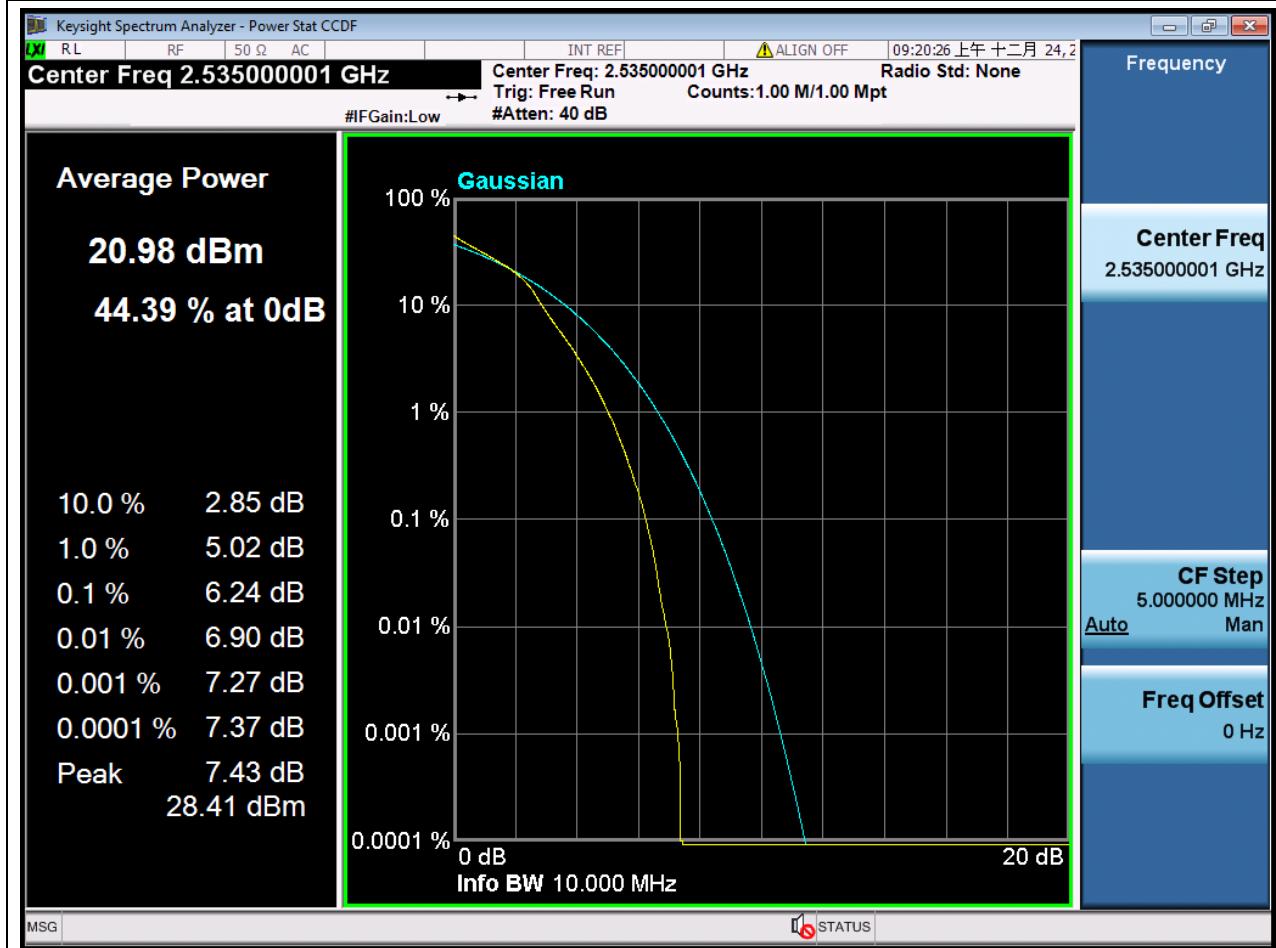
0.0001 % 0 dB 20 dB Info BW 10.000 MHz

Frequency
Center Freq 2.535000001 GHz
CF Step 5.000000 MHz Man
Freq Offset 0 Hz

MSG STATUS

1.65. LTE Peak to Average Ratio(NTNV)(Subtest:65, Channel:21100, Bandwidth:10, Modulation:Q16, RB Number: 25, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2535	0.1	6.24	13	Pass



1.66. LTE Peak to Average Ratio(NTNV)(Subtest:66, Channel:21100, Bandwidth:10, Modulation:Q16, RB Number: 25, RB Position:MID)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2535	0.1	6.29	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 09:20:30 上午 十二月 24, 2018

Center Freq 2.535000001 GHz Center Freq: 2.535000001 GHz Radio Std: None
Trig: Free Run Counts: 1.00 M/1.00 Mpt
#IFGain:Low #Atten: 40 dB

Average Power
20.95 dBm
44.25 % at 0dB

10.0 % 2.86 dB
1.0 % 5.04 dB
0.1 % 6.29 dB
0.01 % 6.93 dB
0.001 % 7.33 dB
0.0001 % 7.42 dB
Peak 7.47 dB
28.42 dBm

Gaussian



0.0001 % 0 dB 20 dB
Info BW 10.000 MHz

Frequency
Center Freq 2.535000001 GHz
CF Step 5.000000 MHz Man
Freq Offset 0 Hz

MSG STATUS

1.67. LTE Peak to Average Ratio(NTNV)(Subtest:67, Channel:21100, Bandwidth:10, Modulation:Q16, RB Number: 25, RB Position:HIGH)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2535	0.1	6.3	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 09:20:34 上午 十二月 24, 2018

Center Freq 2.535000001 GHz Center Freq: 2.535000001 GHz Radio Std: None
Trig: Free Run Counts: 1.00 M/1.00 Mpt
#IFGain:Low #Atten: 40 dB

Average Power 20.87 dBm
44.33 % at 0dB

10.0 % 2.85 dB
1.0 % 5.05 dB
0.1 % 6.30 dB
0.01 % 6.98 dB
0.001 % 7.33 dB
0.0001 % 7.42 dB
Peak 7.42 dB
28.29 dBm

Gaussian



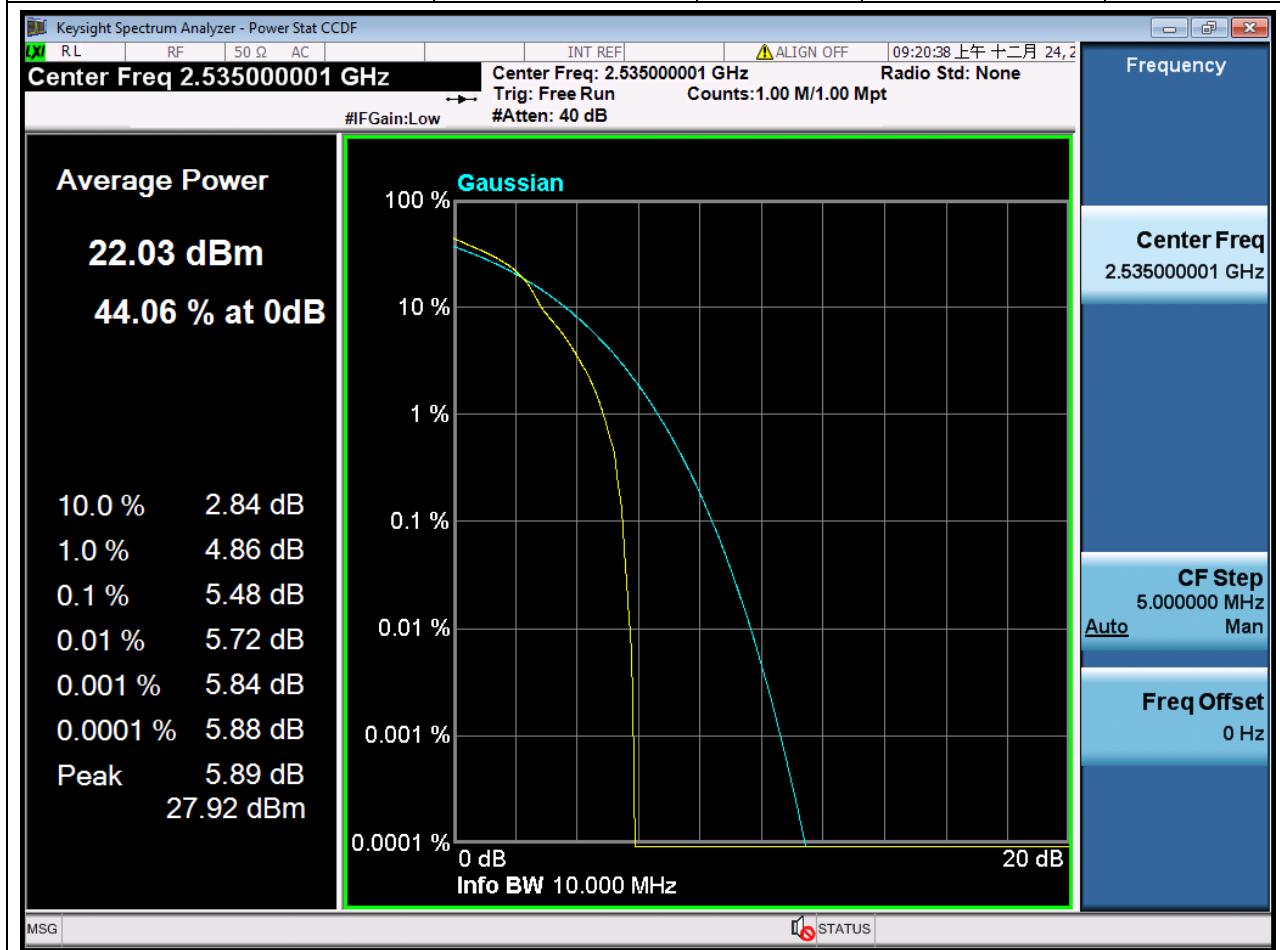
0.0001 % 0 dB 20 dB Info BW 10.000 MHz

Frequency
Center Freq 2.535000001 GHz
CF Step 5.000000 MHz Man
Freq Offset 0 Hz

MSG STATUS

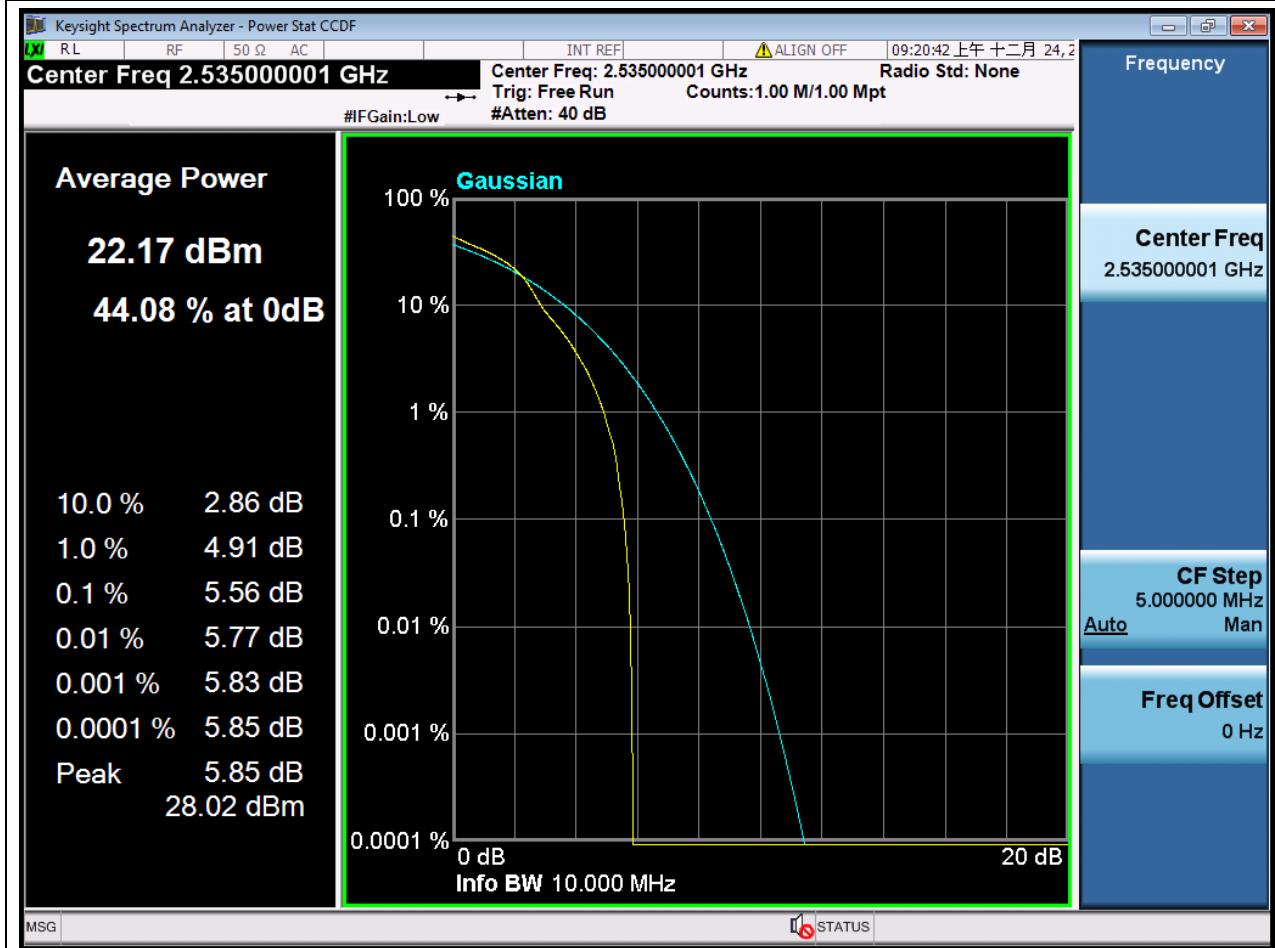
1.68. LTE Peak to Average Ratio(NTNV)(Subtest:68, Channel:21100, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2535	0.1	5.48	13	Pass



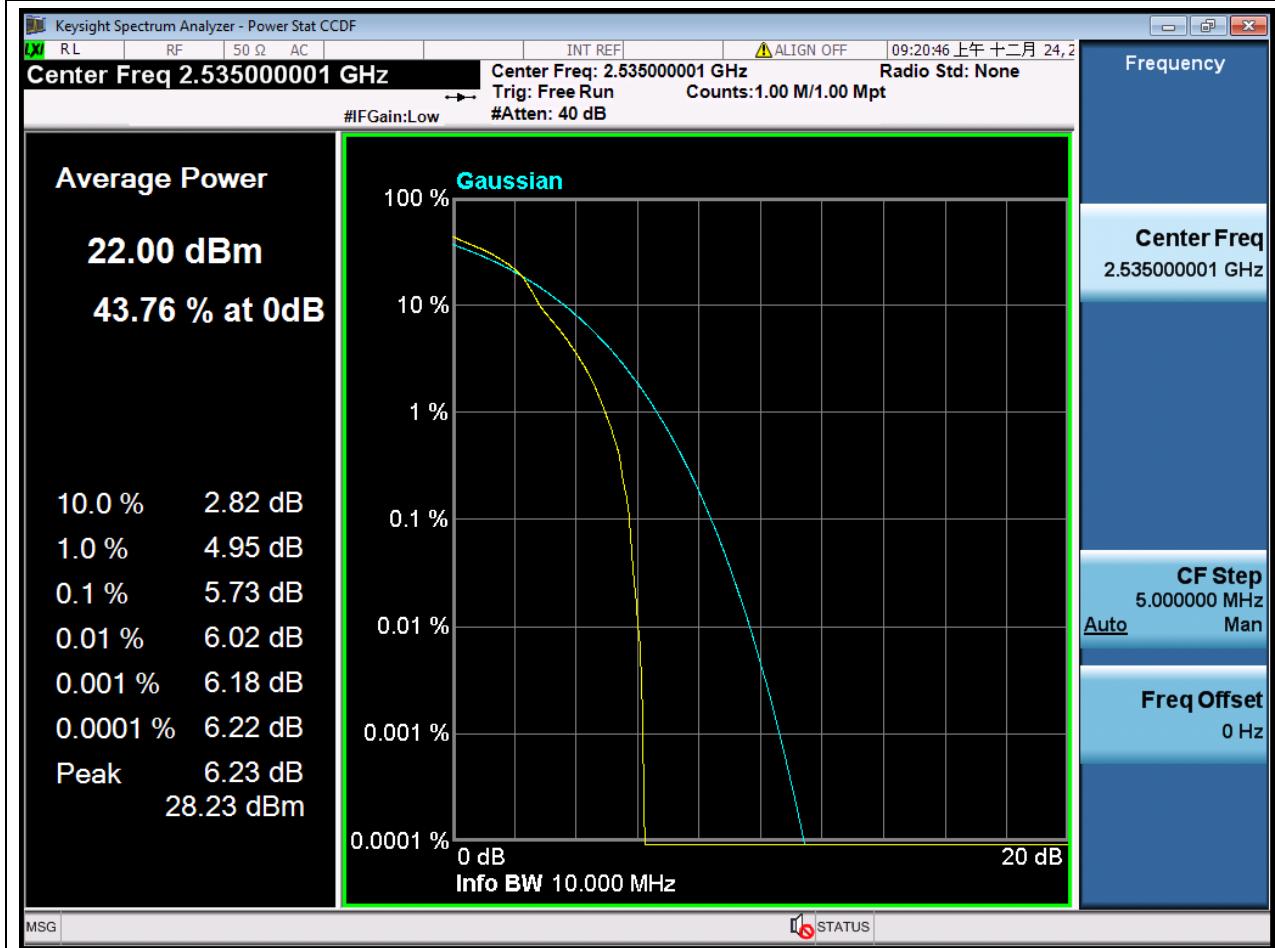
1.69. LTE Peak to Average Ratio(NTNV)(Subtest:69, Channel:21100, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:MID)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2535	0.1	5.56	13	Pass



1.70. LTE Peak to Average Ratio(NTNV)(Subtest:70, Channel:21100, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:HIGH)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2535	0.1	5.73	13	Pass



1.71. LTE Peak to Average Ratio(NTNV)(Subtest:71, Channel:21400, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2565	0.1	5.53	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 09:20:53 上午 十二月 24, 2018

Center Freq 2.565000001 GHz Center Freq: 2.565000001 GHz Radio Std: None
Trig: Free Run Counts: 1.00 M/1.00 Mpt
#IFGain:Low #Atten: 40 dB

Average Power 21.99 dBm
46.17 % at 0dB

10.0 % 2.34 dB
1.0 % 4.39 dB
0.1 % 5.53 dB
0.01 % 6.10 dB
0.001 % 6.46 dB
0.0001 % 6.62 dB
Peak 6.64 dB
28.63 dBm

Gaussian



0.0001 % 0 dB 20 dB Info BW 10.000 MHz

Frequency
Center Freq 2.565000001 GHz
CF Step 5.000000 MHz Man
Freq Offset 0 Hz

MSG STATUS

1.72. LTE Peak to Average Ratio(NTNV)(Subtest:72, Channel:21400, Bandwidth:10, Modulation:QPSK, RB Number: 25, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2565	0.1	5.26	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 09:20:58 上午 十二月 24, 2018

Center Freq 2.565000001 GHz Center Freq: 2.565000001 GHz Radio Std: None
Trig: Free Run Counts: 1.00 M/1.00 Mpt
#IFGain:Low #Atten: 40 dB

Average Power 22.12 dBm
46.92 % at 0dB

10.0 % 2.37 dB
1.0 % 4.30 dB
0.1 % 5.26 dB
0.01 % 5.79 dB
0.001 % 6.02 dB
0.0001 % 6.06 dB
Peak 6.09 dB
28.21 dBm

Gaussian



Info BW 10.000 MHz

Frequency
Center Freq 2.565000001 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:21400, Bandwidth:10, Modulation:QPSK, RB Number: 25, RB Position:MID)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2565	0.1	5.31	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 09:21:02 上午 十二月 24, 2018

Center Freq 2.565000001 GHz Center Freq: 2.565000001 GHz Radio Std: None
Trig: Free Run Counts: 1.00 M/1.00 Mpt
#IFGain:Low #Atten: 40 dB

Average Power 22.04 dBm
46.88 % at 0dB

10.0 % 2.38 dB
1.0 % 4.33 dB
0.1 % 5.31 dB
0.01 % 5.84 dB
0.001 % 6.04 dB
0.0001 % 6.14 dB
Peak 6.17 dB
28.21 dBm

Gaussian



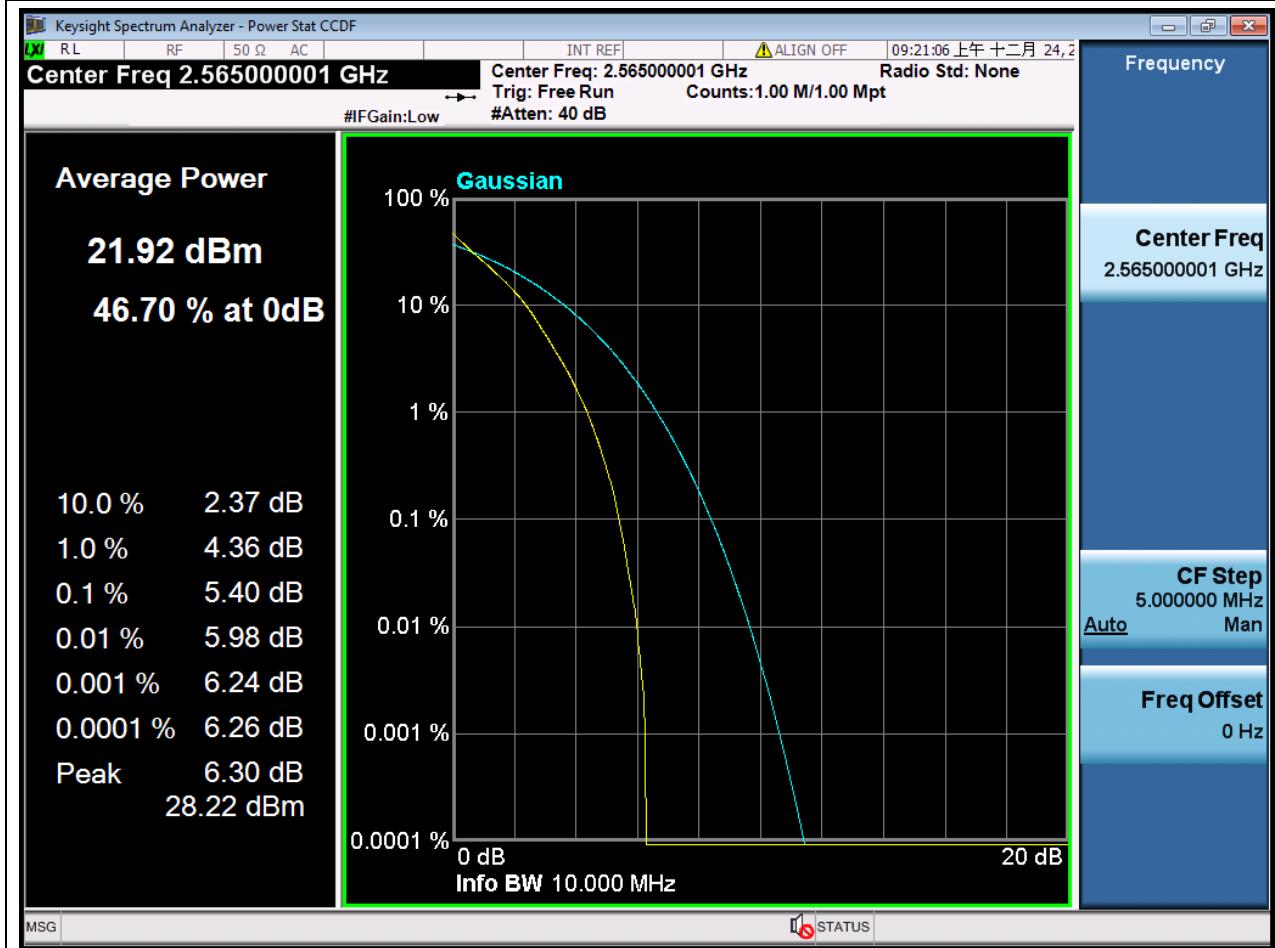
Info BW 10.000 MHz

Frequency
Center Freq 2.565000001 GHz
CF Step 5.000000 MHz
Auto Man
Freq Offset 0 Hz

MSG STATUS

1.74. LTE Peak to Average Ratio(NTNV)(Subtest:74, Channel:21400, Bandwidth:10, Modulation:QPSK, RB Number: 25, RB Position:HIGH)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2565	0.1	5.4	13	Pass



1.75. LTE Peak to Average Ratio(NTNV)(Subtest:75, Channel:21400, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2565	0.1	4.21	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 09:21:10 上午 十二月 24, 2018

Center Freq 2.565000001 GHz Center Freq: 2.565000001 GHz Radio Std: None

Trig: Free Run Counts: 1.00 M/1.00 Mpt

#IFGain:Low #Atten: 40 dB

Average Power
23.02 dBm
49.29 % at 0dB

10.0 % 2.51 dB
1.0 % 3.80 dB
0.1 % 4.21 dB
0.01 % 4.35 dB
0.001 % 4.38 dB
0.0001 % 4.39 dB
Peak 4.39 dB
27.41 dBm

Gaussian



Info BW 10.000 MHz

Frequency
Center Freq 2.565000001 GHz
CF Step 5.000000 MHz
Auto Man
Freq Offset 0 Hz

MSG STATUS

1.76. LTE Peak to Average Ratio(NTNV)(Subtest:76, Channel:21400, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:MID)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2565	0.1	4.36	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 09:21:14 上午 十二月 24, 2014

Center Freq 2.565000001 GHz Center Freq: 2.565000001 GHz Radio Std: None

Trig: Free Run Counts: 1.00 M/1.00 Mpt

#IFGain:Low #Atten: 40 dB

Average Power
23.10 dBm
48.53 % at 0dB

10.0 % 2.52 dB
1.0 % 3.89 dB
0.1 % 4.36 dB
0.01 % 4.49 dB
0.001 % 4.55 dB
0.0001 % 4.56 dB
Peak 4.56 dB
27.66 dBm

Gaussian



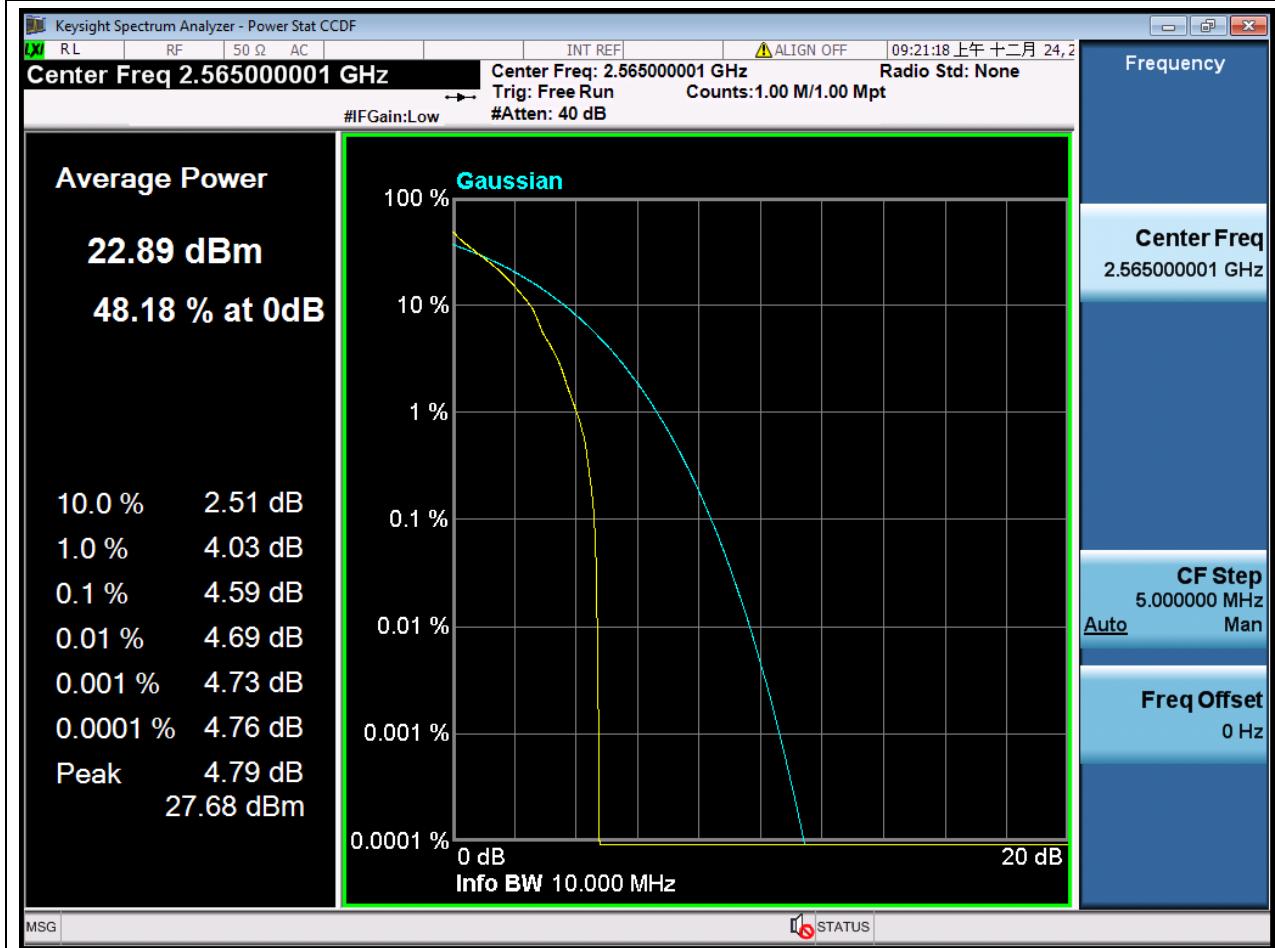
Info BW 10.000 MHz

Frequency
Center Freq 2.565000001 GHz
CF Step 5.000000 MHz Man
Freq Offset 0 Hz

MSG STATUS

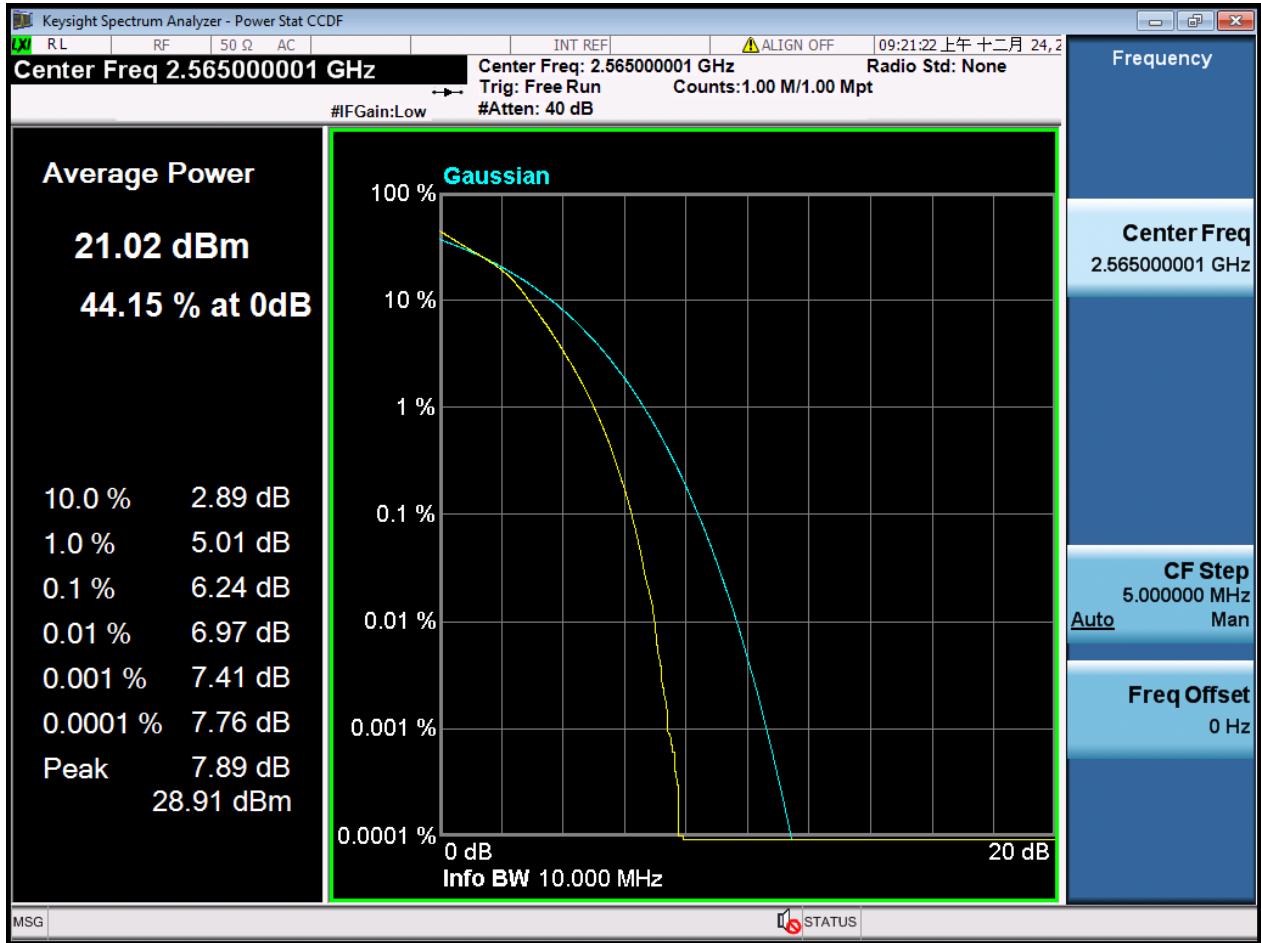
1.77. LTE Peak to Average Ratio(NTNV)(Subtest:77, Channel:21400, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2565	0.1	4.59	13	Pass



1.78. LTE Peak to Average Ratio(NTNV)(Subtest:78, Channel:21400, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2565	0.1	6.24	13	Pass



Average Power
21.02 dBm
44.15 % at 0dB

10.0 %	2.89 dB
1.0 %	5.01 dB
0.1 %	6.24 dB
0.01 %	6.97 dB
0.001 %	7.41 dB
0.0001 %	7.76 dB
Peak	7.89 dB
	28.91 dBm

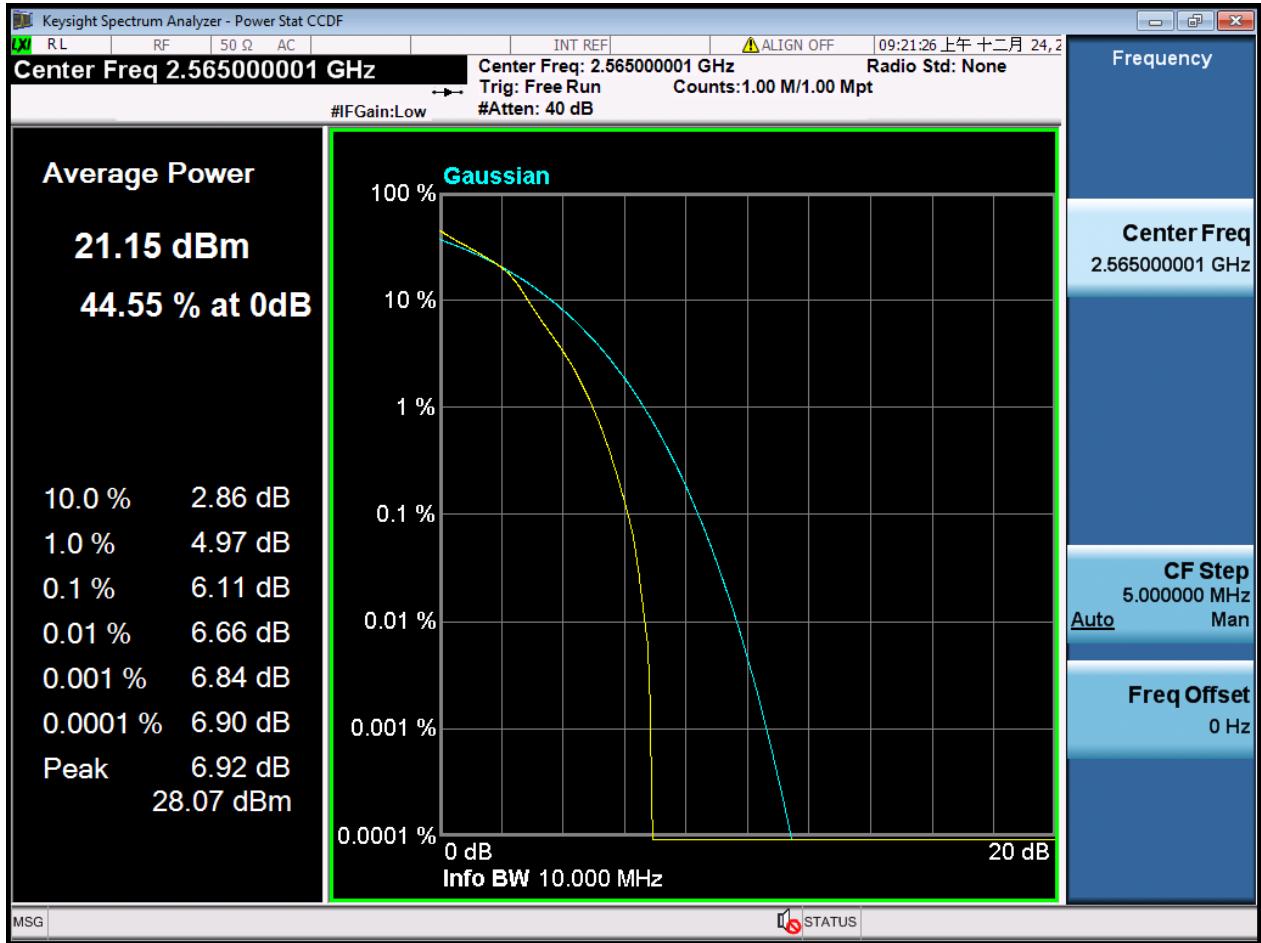
Center Freq
2.565000001 GHz

CF Step
5.000000 MHz

Freq Offset
0 Hz

1.79. LTE Peak to Average Ratio(NTNV)(Subtest:79, Channel:21400, Bandwidth:10, Modulation:Q16, RB Number: 25, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2565	0.1	6.11	13	Pass



Average Power
21.15 dBm
44.55 % at 0dB

10.0 %	2.86 dB
1.0 %	4.97 dB
0.1 %	6.11 dB
0.01 %	6.66 dB
0.001 %	6.84 dB
0.0001 %	6.90 dB
Peak	6.92 dB
	28.07 dBm

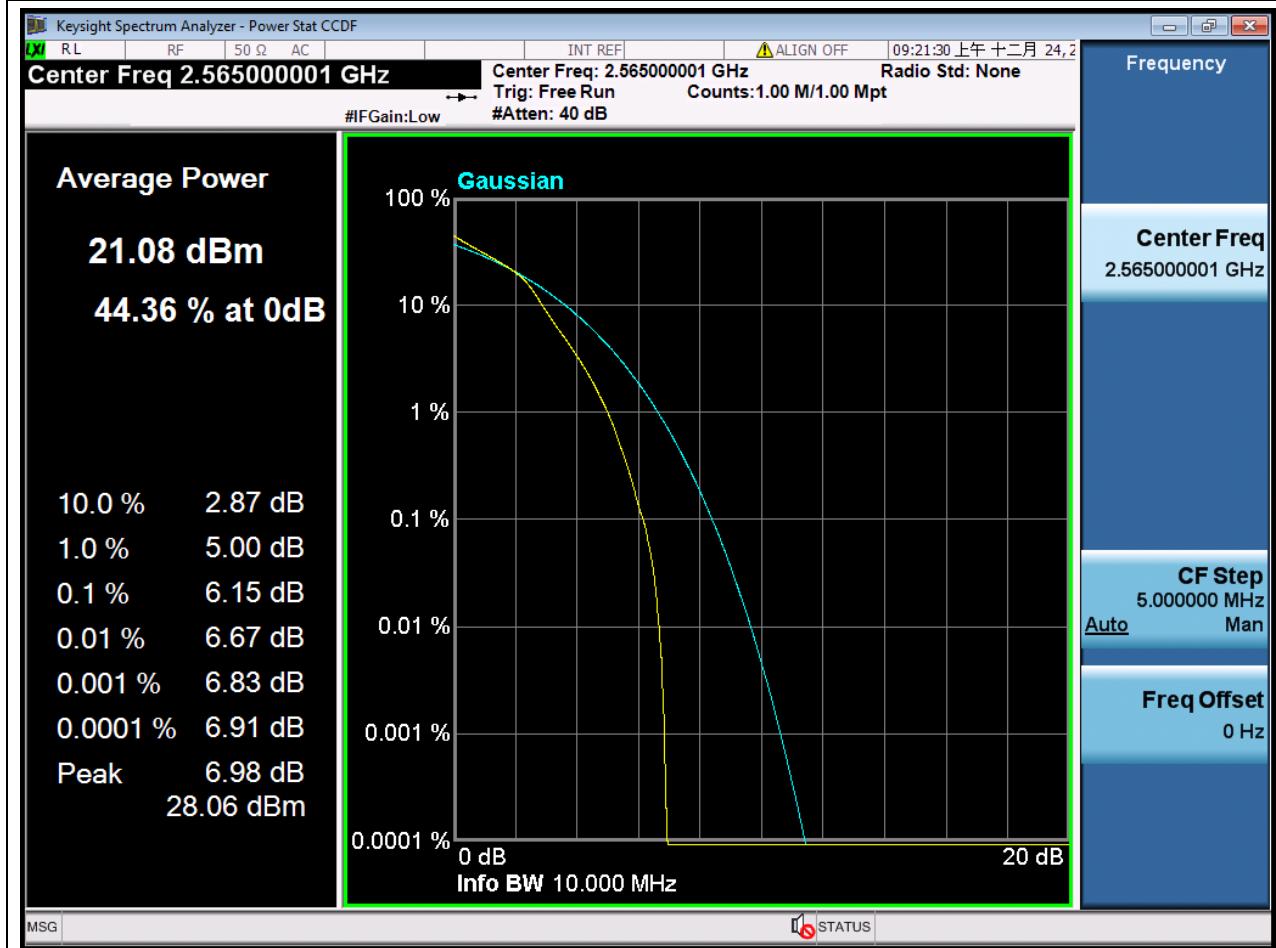
Center Freq
2.565000001 GHz

CF Step
5.000000 MHz

Freq Offset
0 Hz

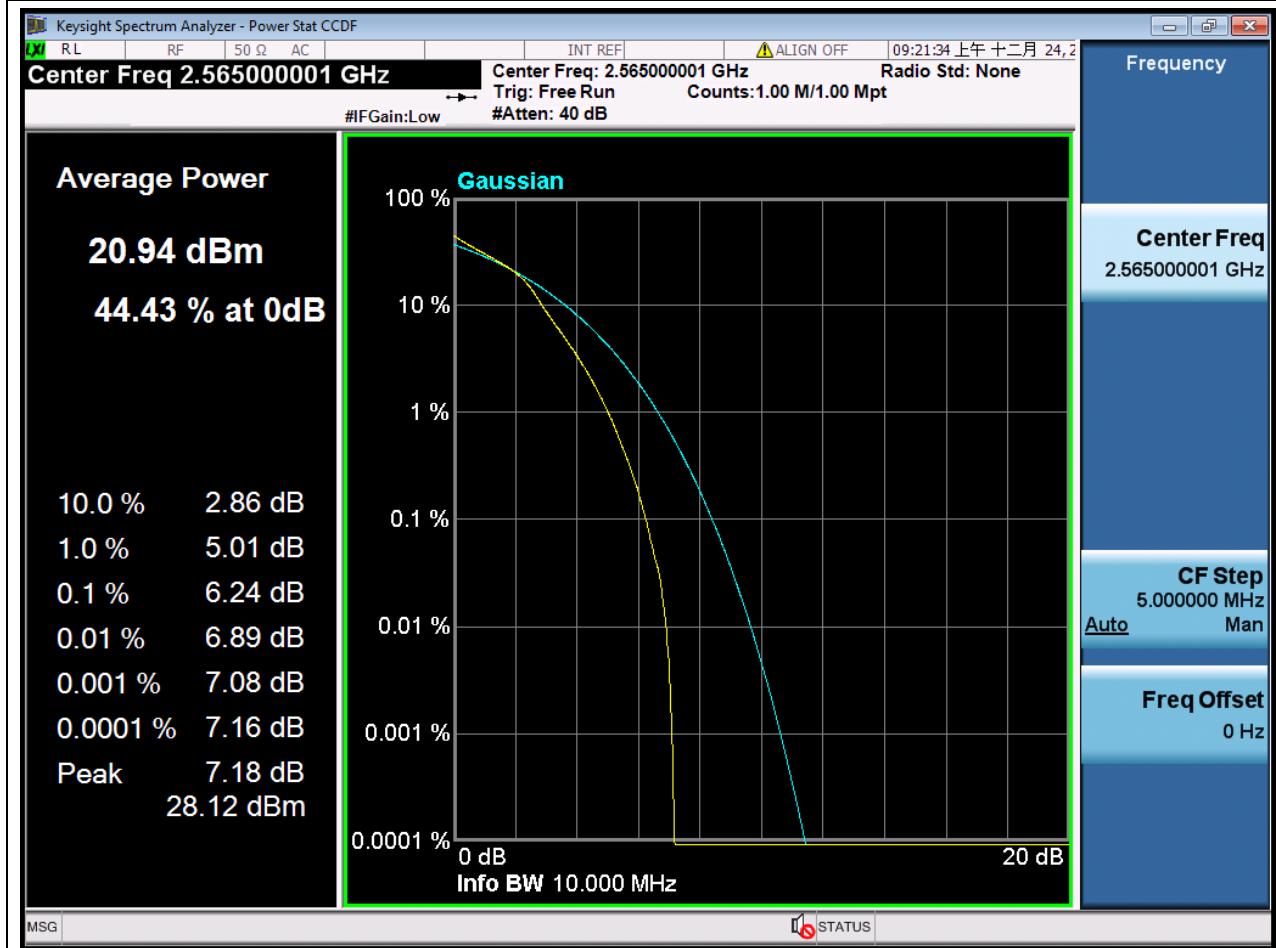
1.80. LTE Peak to Average Ratio(NTNV)(Subtest:80, Channel:21400, Bandwidth:10, Modulation:Q16, RB Number: 25, RB Position:MID)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2565	0.1	6.14	13	Pass



1.81. LTE Peak to Average Ratio(NTNV)(Subtest:81, Channel:21400, Bandwidth:10, Modulation:Q16, RB Number: 25, RB Position:HIGH)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2565	0.1	6.24	13	Pass



1.82. LTE Peak to Average Ratio(NTNV)(Subtest:82, Channel:21400, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2565	0.1	5.01	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 09:21:38 上午 十二月 24, 2018

Center Freq 2.565000001 GHz Center Freq: 2.565000001 GHz Radio Std: None

Trig: Free Run Counts: 1.00 M/1.00 Mpt

#IFGain:Low #Atten: 40 dB

Average Power
22.20 dBm
44.59 % at 0dB

10.0 % 2.95 dB
1.0 % 4.64 dB
0.1 % 5.01 dB
0.01 % 5.19 dB
0.001 % 5.25 dB
0.0001 % 5.29 dB
Peak 5.30 dB
27.50 dBm

Gaussian



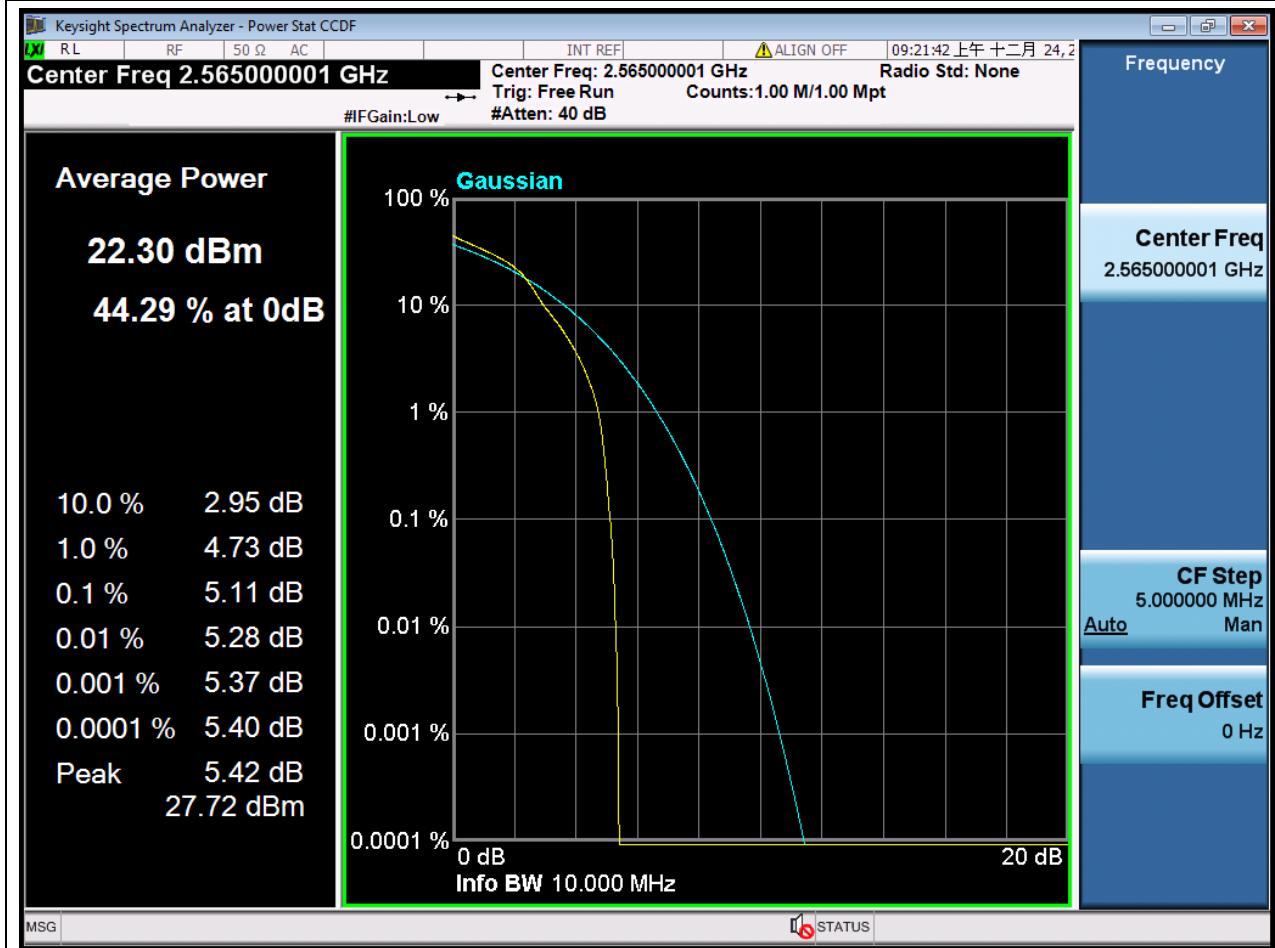
Info BW 10.000 MHz

Frequency
Center Freq 2.565000001 GHz
CF Step 5.000000 MHz
Auto Man
Freq Offset 0 Hz

MSG STATUS

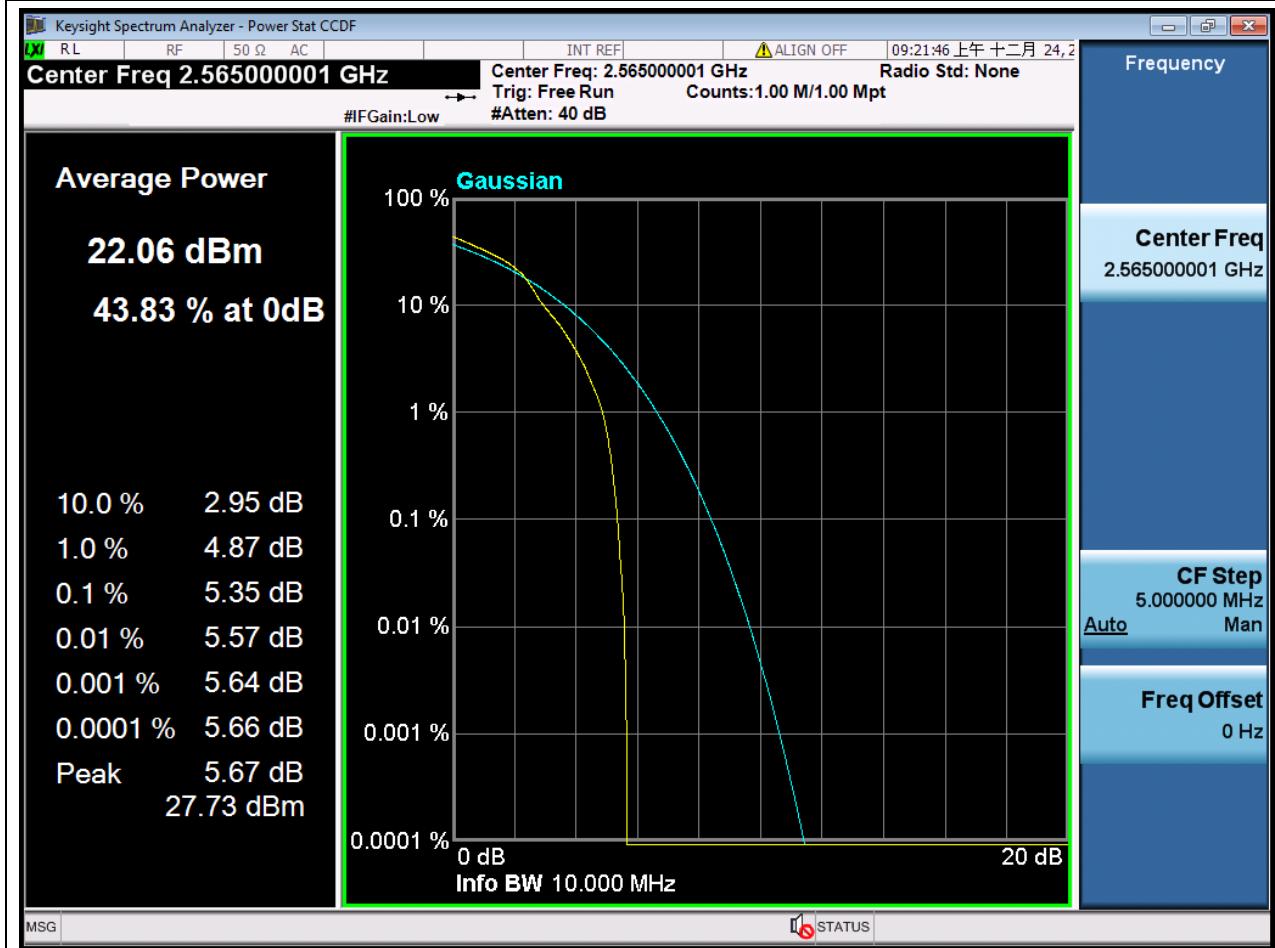
1.83. LTE Peak to Average Ratio(NTNV)(Subtest:83, Channel:21400, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:MID)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2565	0.1	5.11	13	Pass



1.84. LTE Peak to Average Ratio(NTNV)(Subtest:84, Channel:21400, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:HIGH)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2565	0.1	5.35	13	Pass



1.85. LTE Peak to Average Ratio(NTNV)(Subtest:85, Channel:20825, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2507.5	0.1	5.73	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 09:21:56 上午 十二月 24, 2018

Center Freq 2.507500000 GHz Center Freq: 2.507500000 GHz Radio Std: None
Trig: Free Run Counts: 1.00 M/1.00 Mpt
#IFGain:Low #Atten: 40 dB

Average Power 21.87 dBm
45.45 % at 0dB

10.0 % 2.46 dB
1.0 % 4.63 dB
0.1 % 5.73 dB
0.01 % 6.14 dB
0.001 % 6.57 dB
0.0001 % 6.72 dB
Peak 6.76 dB
28.63 dBm

Gaussian



0.0001 % 0 dB 20 dB Info BW 15.000 MHz

Frequency
Center Freq 2.507500000 GHz
CF Step 5.000000 MHz Man
Auto
Freq Offset 0 Hz

MSG STATUS

1.86. LTE Peak to Average Ratio(NTNV)(Subtest:86, Channel:20825, Bandwidth:15, Modulation:QPSK, RB Number: 36, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2507.5	0.1	5.27	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 09:22:00 上午 十二月 24, 2018

Center Freq 2.507500000 GHz Center Freq: 2.507500000 GHz Radio Std: None

Trig: Free Run Counts: 1.00 M/1.00 Mpt

#IFGain:Low #Atten: 40 dB

Average Power
21.82 dBm
45.62 % at 0dB

10.0 % 2.51 dB
1.0 % 4.44 dB
0.1 % 5.27 dB
0.01 % 5.78 dB
0.001 % 6.09 dB
0.0001 % 6.32 dB
Peak 6.39 dB
28.21 dBm

Gaussian



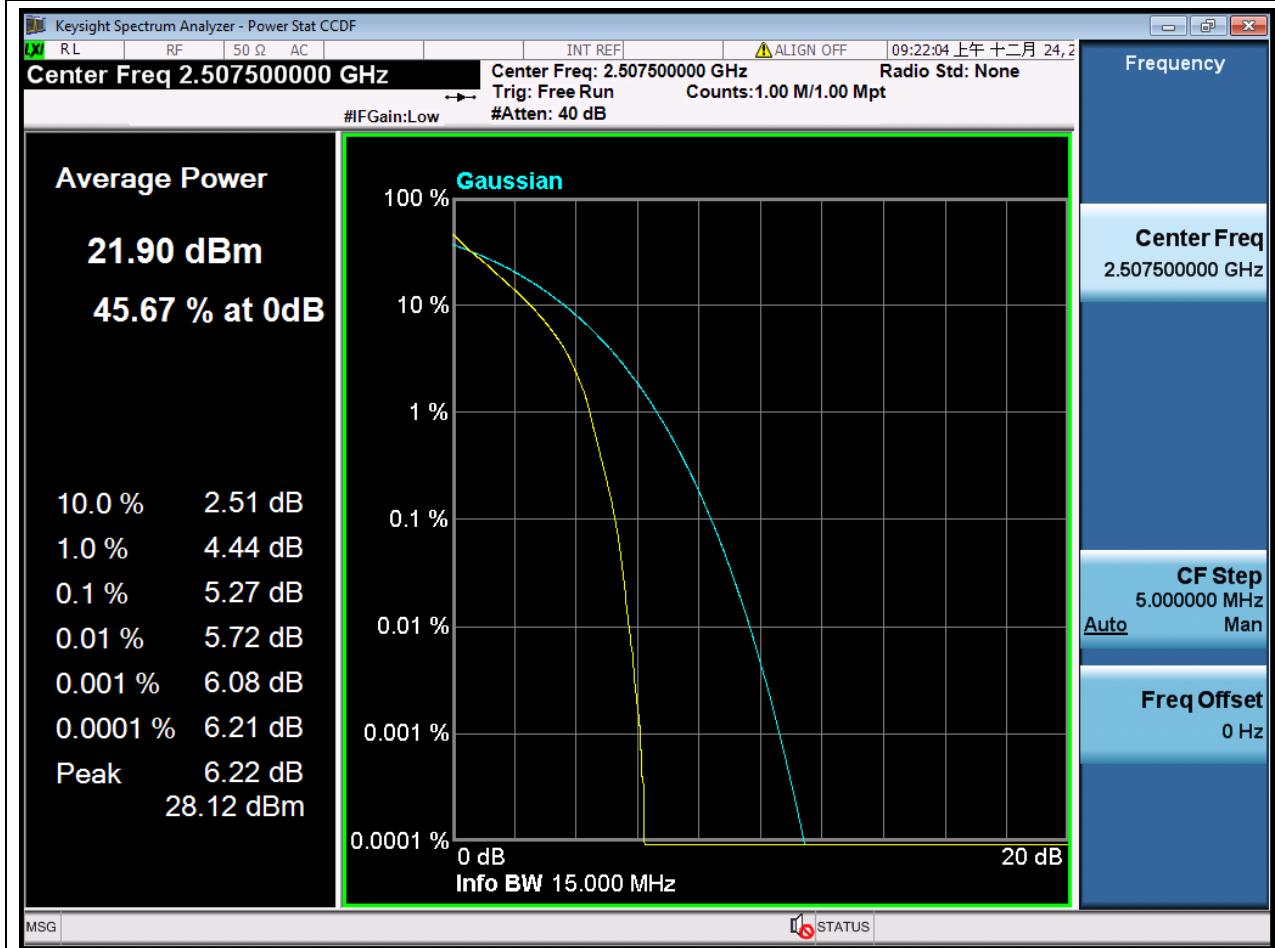
0.0001 % 0 dB 20 dB
Info BW 15.000 MHz

Frequency
Center Freq 2.507500000 GHz
CF Step 5.000000 MHz Man
Freq Offset 0 Hz

MSG STATUS

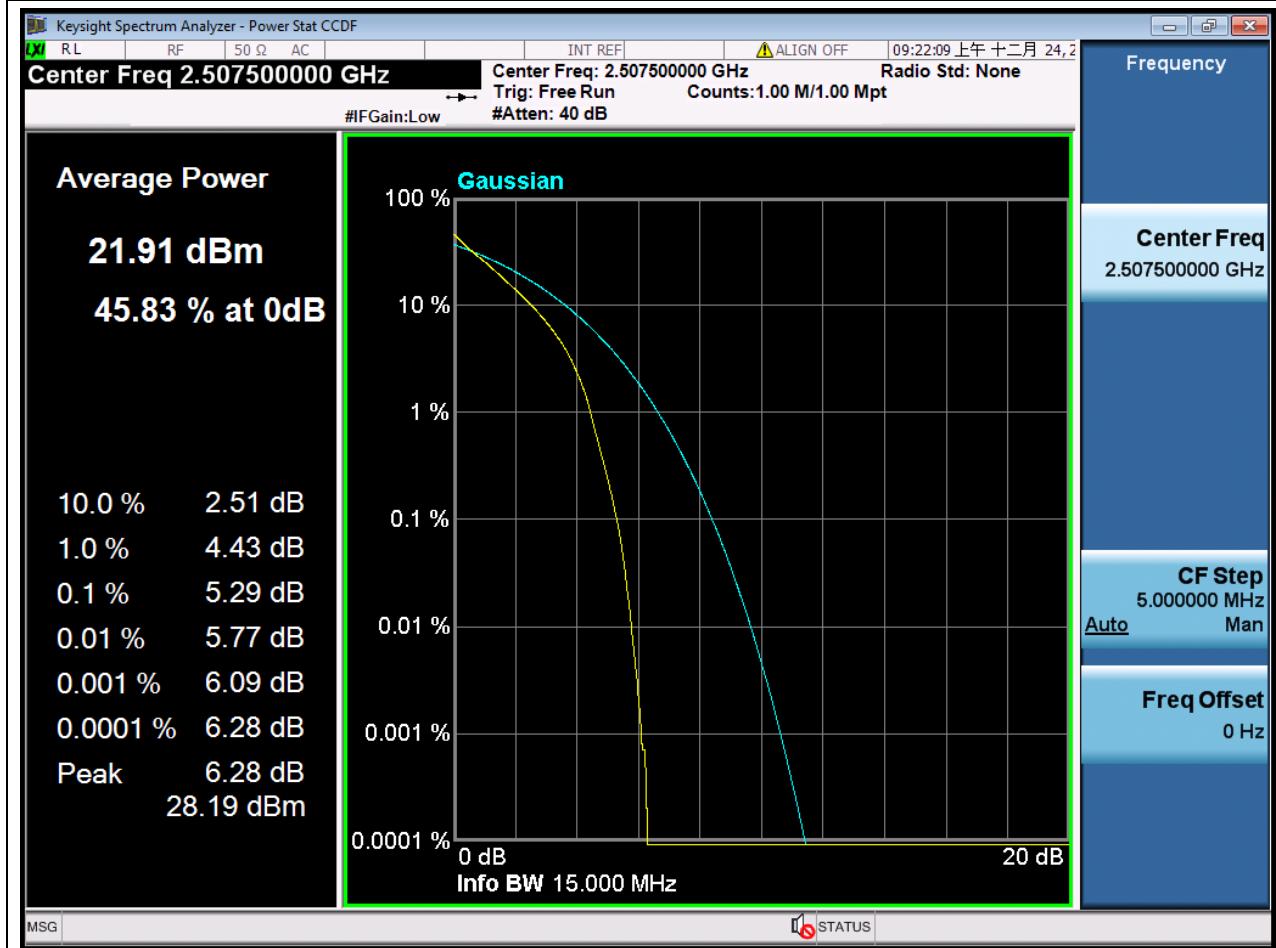
1.87. LTE Peak to Average Ratio(NTNV)(Subtest:87, Channel:20825, Bandwidth:15, Modulation:QPSK, RB Number: 36, RB Position:MID)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2507.5	0.1	5.27	13	Pass



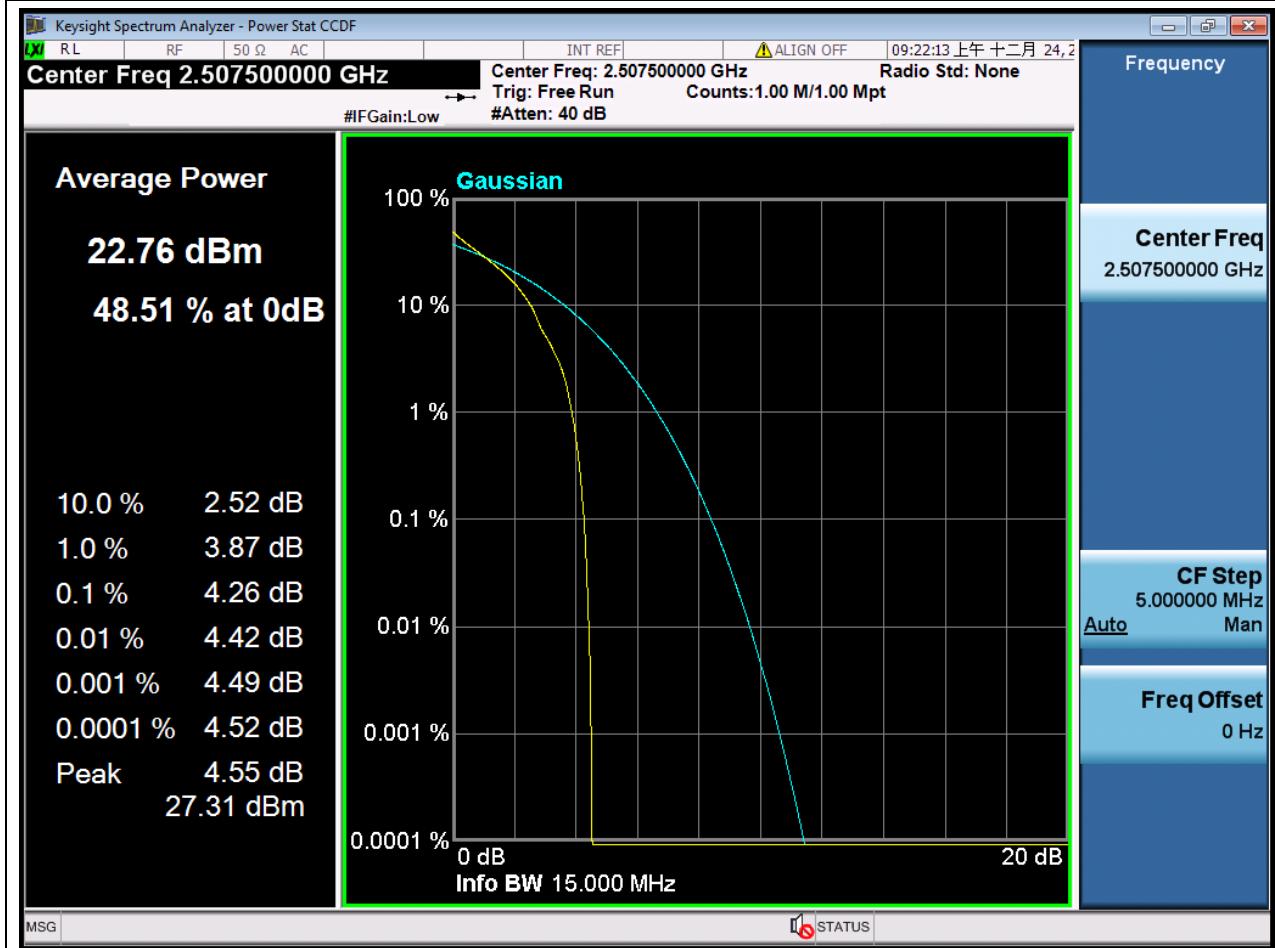
1.88. LTE Peak to Average Ratio(NTNV)(Subtest:88, Channel:20825, Bandwidth:15, Modulation:QPSK, RB Number: 36, RB Position:HIGH)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2507.5	0.1	5.29	13	Pass



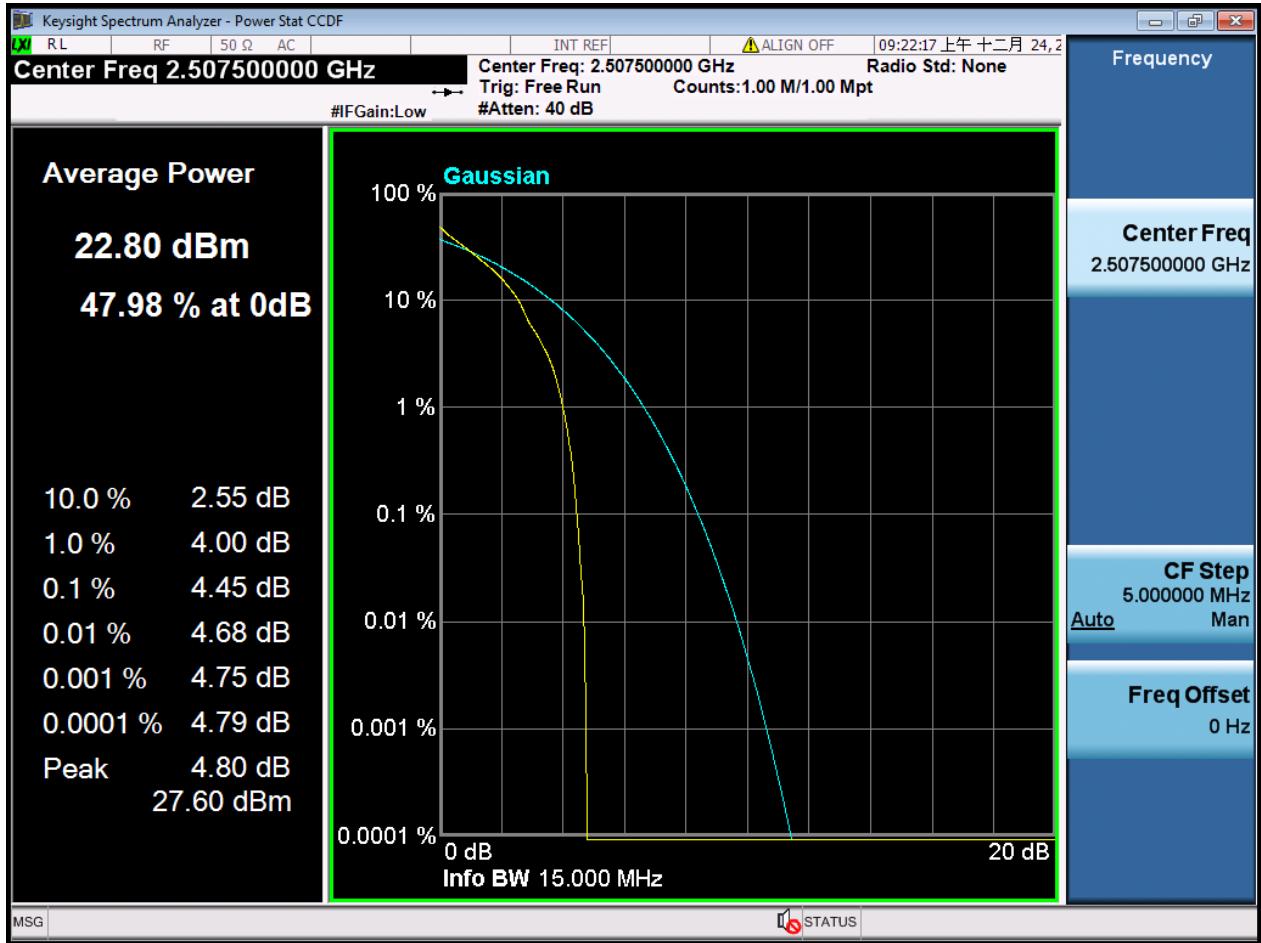
1.89. LTE Peak to Average Ratio(NTNV)(Subtest:89, Channel:20825, Bandwidth:15, Modulation:QPSK, RB Number: 1, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2507.5	0.1	4.26	13	Pass



1.90. LTE Peak to Average Ratio(NTNV)(Subtest:90, Channel:20825, Bandwidth:15, Modulation:QPSK, RB Number: 1, RB Position:MID)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2507.5	0.1	4.45	13	Pass



Average Power
22.80 dBm
47.98 % at 0dB

10.0 %	2.55 dB
1.0 %	4.00 dB
0.1 %	4.45 dB
0.01 %	4.68 dB
0.001 %	4.75 dB
0.0001 %	4.79 dB
Peak	4.80 dB
	27.60 dBm

Center Freq 2.507500000 GHz
Trig: Free Run Counts: 1.00 M/1.00 Mpt
#IFGain:Low #Atten: 40 dB

Gaussian

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

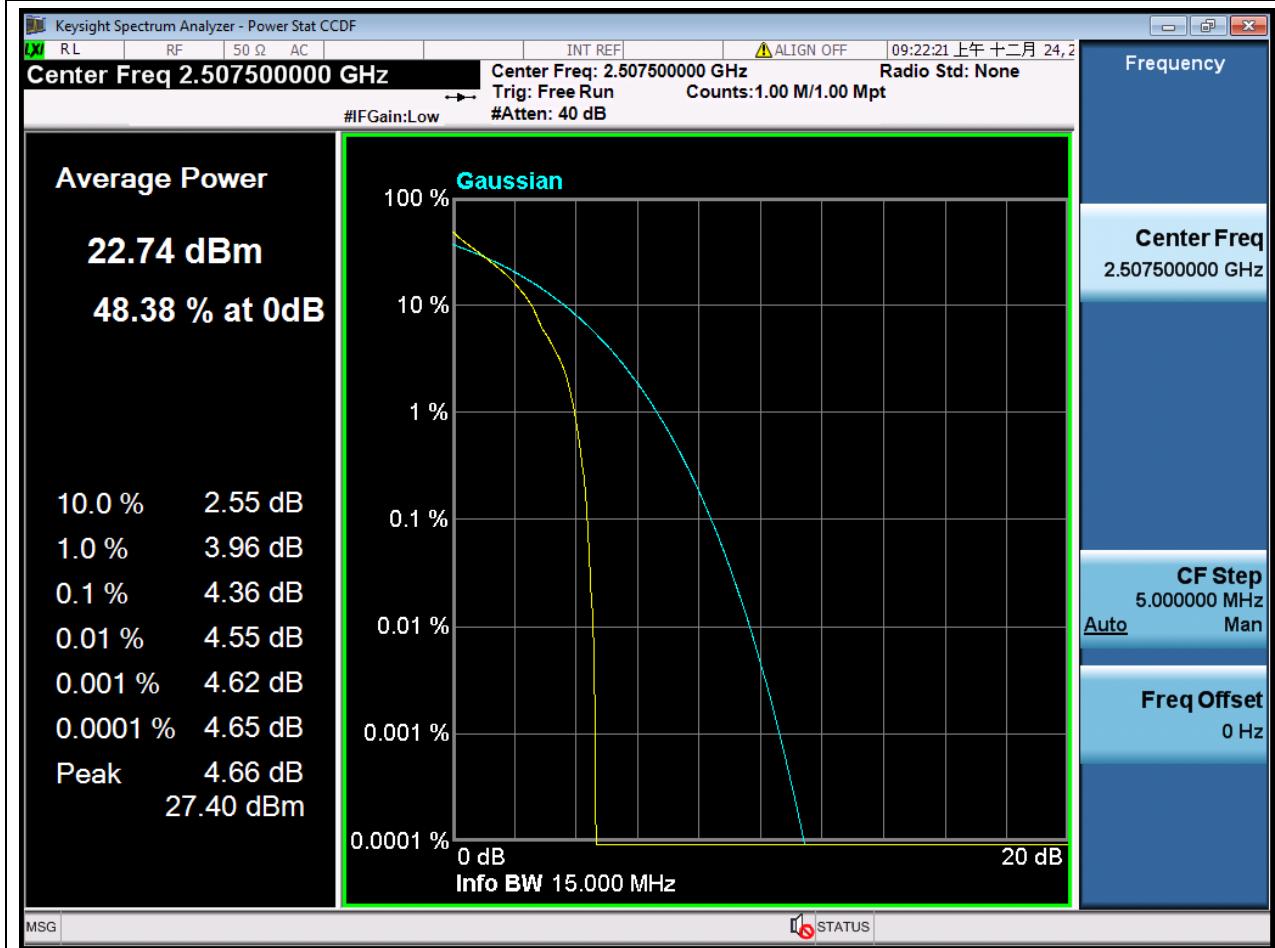
0 dB 20 dB

Info BW 15.000 MHz

MSG STATUS

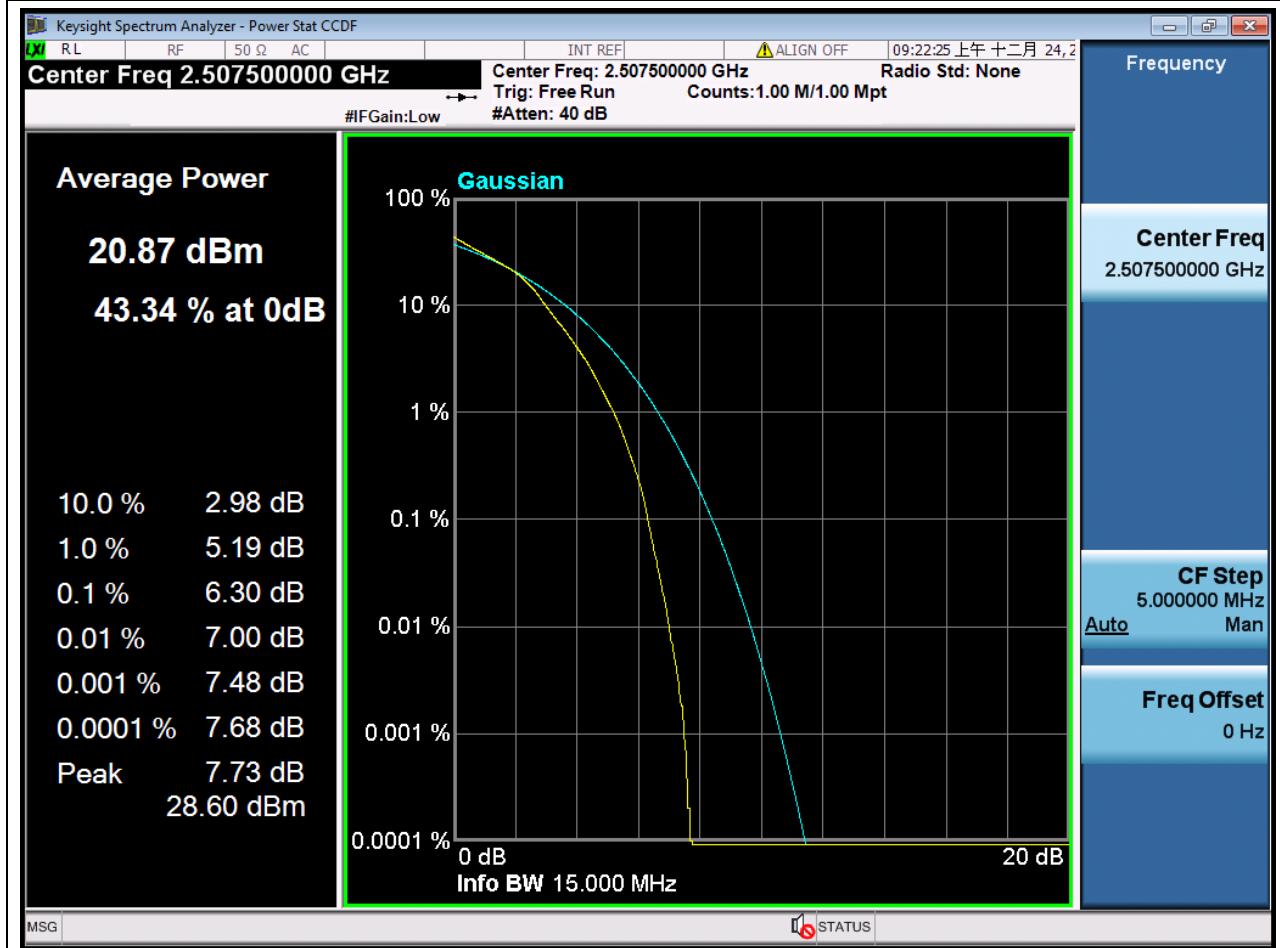
1.91. LTE Peak to Average Ratio(NTNV)(Subtest:91, Channel:20825, Bandwidth:15, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2507.5	0.1	4.36	13	Pass



1.92. LTE Peak to Average Ratio(NTNV)(Subtest:92, Channel:20825, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2507.5	0.1	6.3	13	Pass



1.93. LTE Peak to Average Ratio(NTNV)(Subtest:93, Channel:20825, Bandwidth:15, Modulation:Q16, RB Number: 36, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2507.5	0.1	6.11	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 09:22:29 上午 十二月 24, 2018

Center Freq 2.507500000 GHz Center Freq: 2.507500000 GHz Radio Std: None

Trig: Free Run Counts: 1.00 M/1.00 Mpt

#IFGain:Low #Atten: 40 dB

Average Power
20.80 dBm
43.28 % at 0dB

10.0 % 3.02 dB
1.0 % 4.99 dB
0.1 % 6.11 dB
0.01 % 6.84 dB
0.001 % 7.22 dB
0.0001 % 7.37 dB
Peak 7.41 dB
28.21 dBm

Gaussian



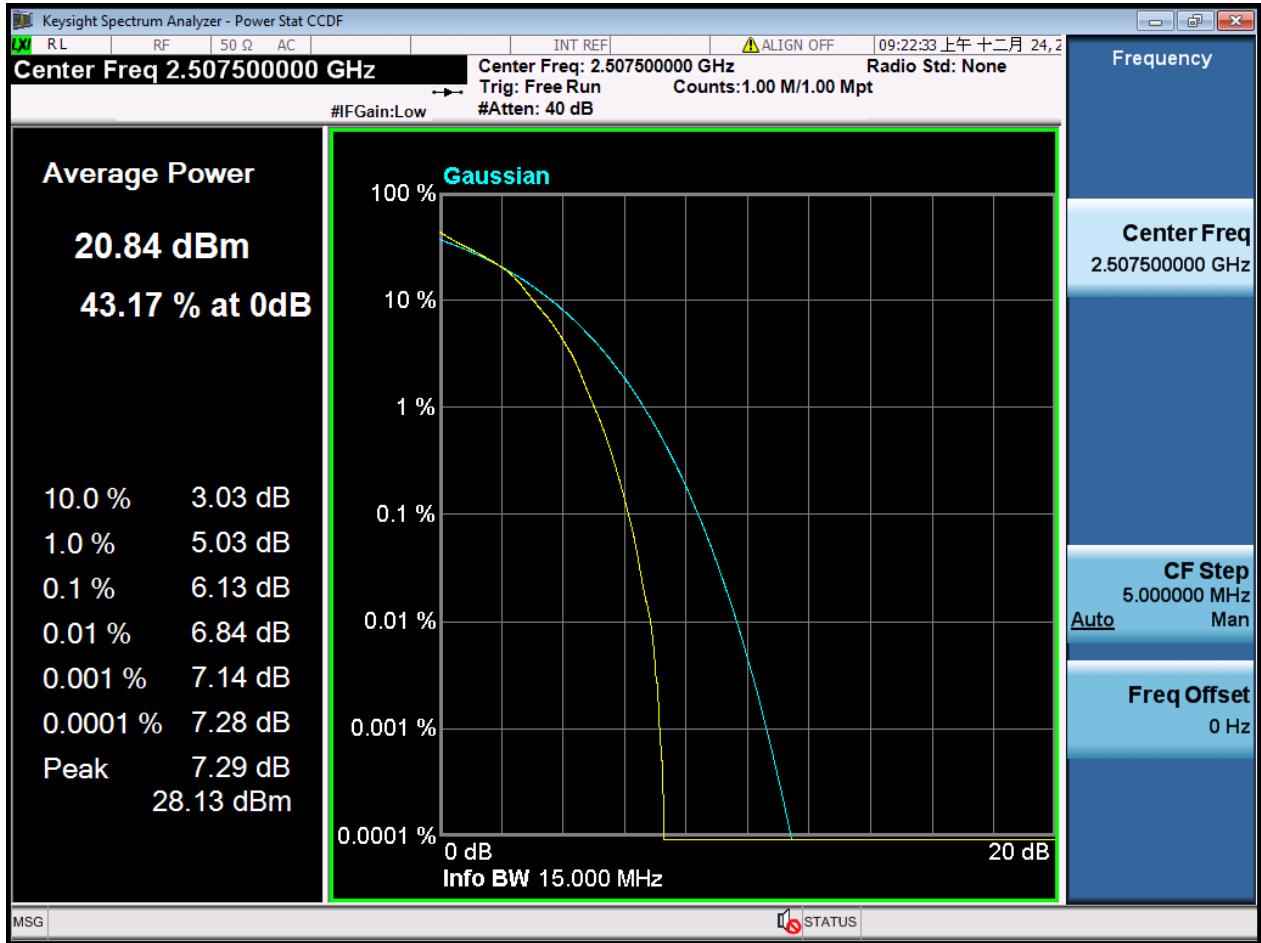
Info BW 15.000 MHz

Frequency
Center Freq 2.507500000 GHz
CF Step 5.000000 MHz Man
Auto
Freq Offset 0 Hz

MSG STATUS

1.94. LTE Peak to Average Ratio(NTNV)(Subtest:94, Channel:20825, Bandwidth:15, Modulation:Q16, RB Number: 36, RB Position:MID)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2507.5	0.1	6.13	13	Pass



Average Power
20.84 dBm
43.17 % at 0dB

10.0 %	3.03 dB
1.0 %	5.03 dB
0.1 %	6.13 dB
0.01 %	6.84 dB
0.001 %	7.14 dB
0.0001 %	7.28 dB
Peak	7.29 dB
	28.13 dBm

Center Freq
2.507500000 GHz

CF Step
5.000000 MHz

Freq Offset
0 Hz

1.95. LTE Peak to Average Ratio(NTNV)(Subtest:95, Channel:20825, Bandwidth:15, Modulation:Q16, RB Number: 36, RB Position:HIGH)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2507.5	0.1	6.13	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 09:22:37 上午 十二月 24, 2018

Center Freq 2.507500000 GHz Center Freq: 2.507500000 GHz Radio Std: None

Trig: Free Run Counts: 1.00 M/1.00 Mpt

#IFGain:Low #Atten: 40 dB

Average Power
20.88 dBm
43.36 % at 0dB

10.0 % 3.03 dB
1.0 % 4.99 dB
0.1 % 6.13 dB
0.01 % 6.88 dB
0.001 % 7.24 dB
0.0001 % 7.33 dB
Peak 7.34 dB
28.22 dBm

Gaussian



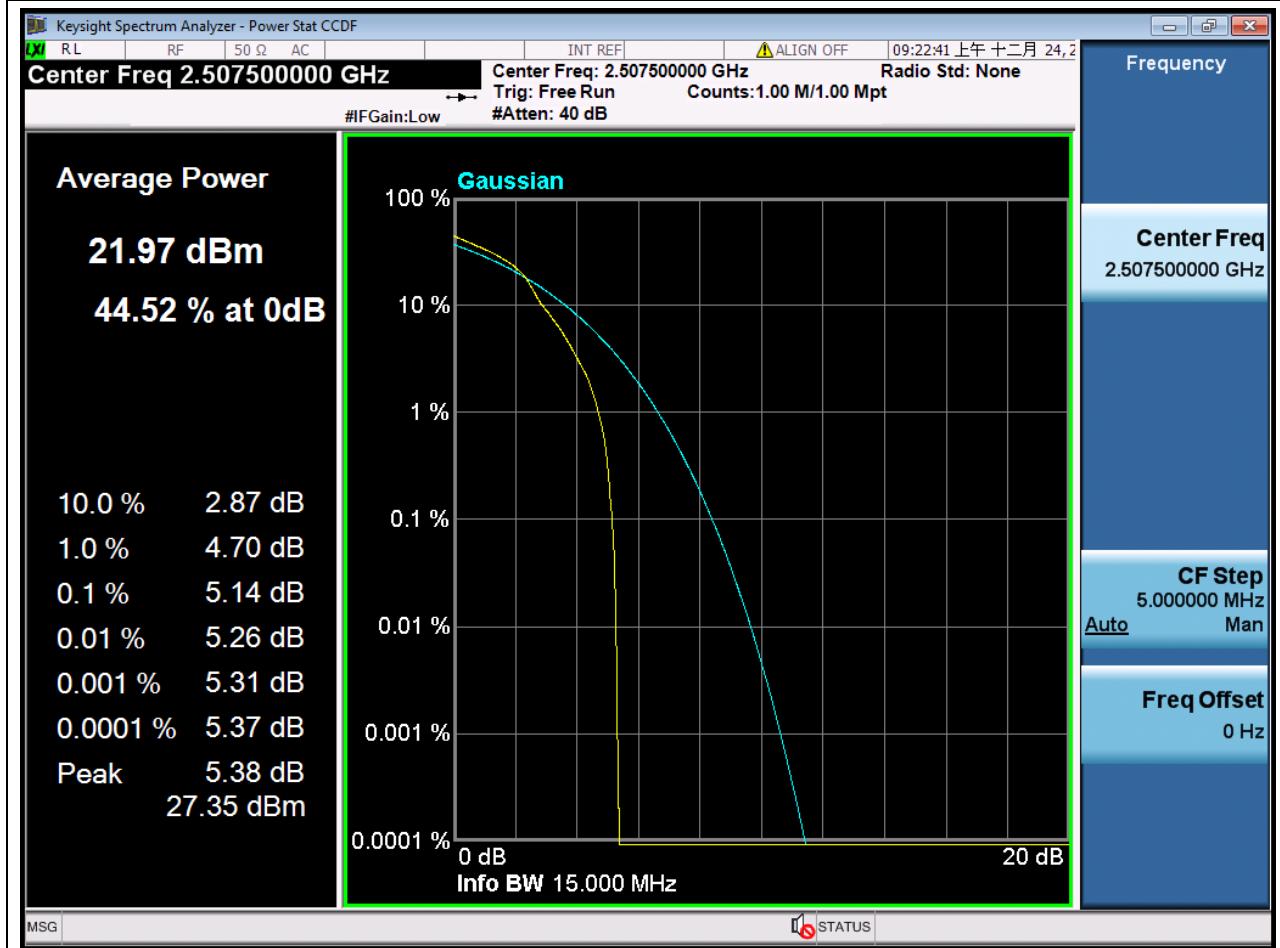
0 dB 20 dB
Info BW 15.000 MHz

Frequency
Center Freq 2.507500000 GHz
CF Step 5.000000 MHz Man
Freq Offset 0 Hz

MSG STATUS

1.96. LTE Peak to Average Ratio(NTNV)(Subtest:96, Channel:20825, Bandwidth:15, Modulation:Q16, RB Number: 1, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2507.5	0.1	5.14	13	Pass



1.97. LTE Peak to Average Ratio(NTNV)(Subtest:97, Channel:20825, Bandwidth:15, Modulation:Q16, RB Number: 1, RB Position:MID)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2507.5	0.1	5.35	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 09:22:45 上午 十二月 24, 2018

Center Freq 2.507500000 GHz Center Freq: 2.507500000 GHz Radio Std: None

Trig: Free Run Counts: 1.00 M/1.00 Mpt

#IFGain:Low #Atten: 40 dB

Average Power
22.04 dBm
44.28 % at 0dB

10.0 % 2.84 dB
1.0 % 4.79 dB
0.1 % 5.35 dB
0.01 % 5.50 dB
0.001 % 5.56 dB
0.0001 % 5.57 dB
Peak 5.69 dB
27.73 dBm

Gaussian



Info BW 15.000 MHz

Frequency
Center Freq 2.507500000 GHz
CF Step 5.000000 MHz
Auto Man
Freq Offset 0 Hz

MSG STATUS