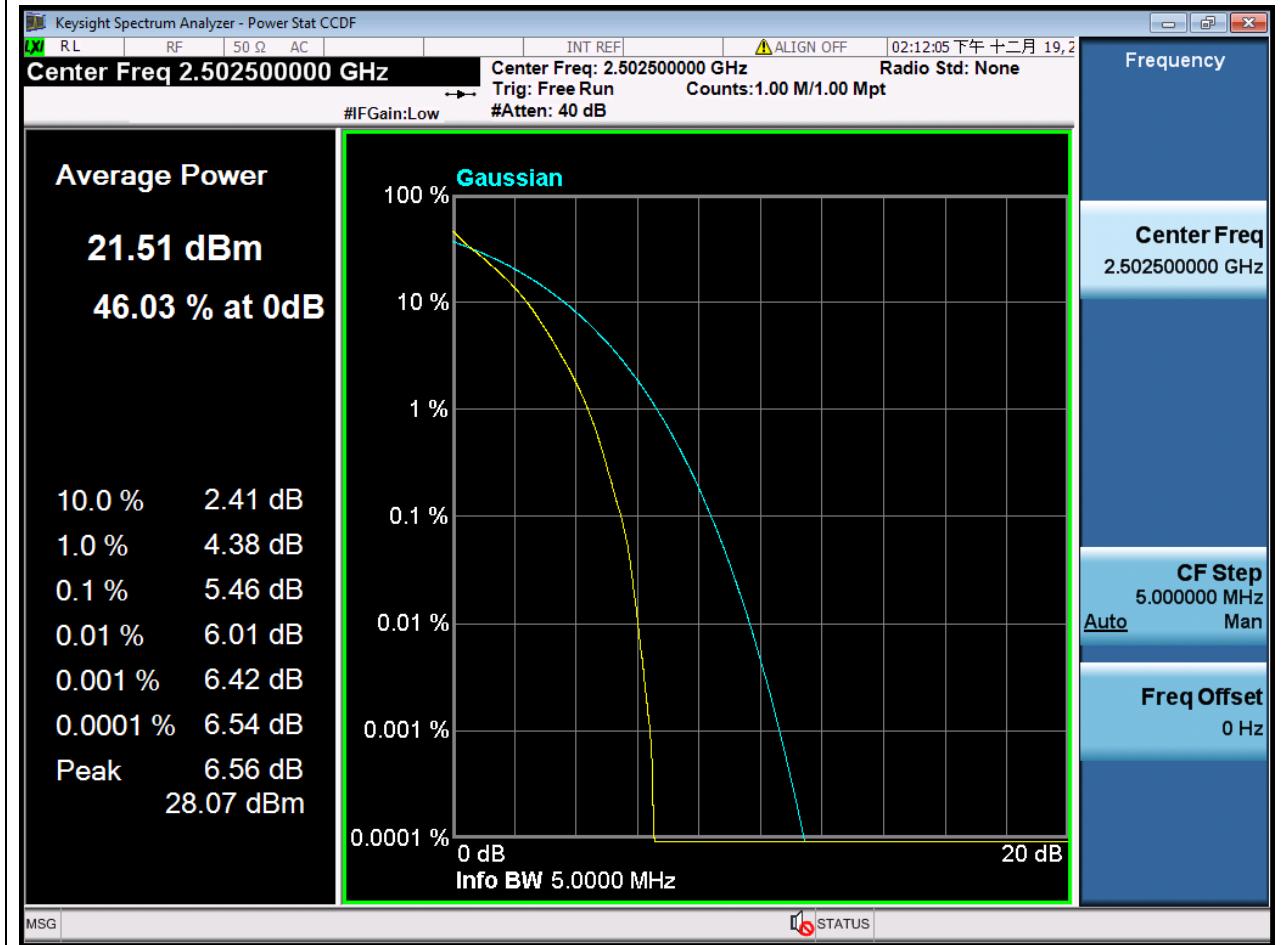


Annex B. LTE Peak to Average Ratio

1. LTE_Band7

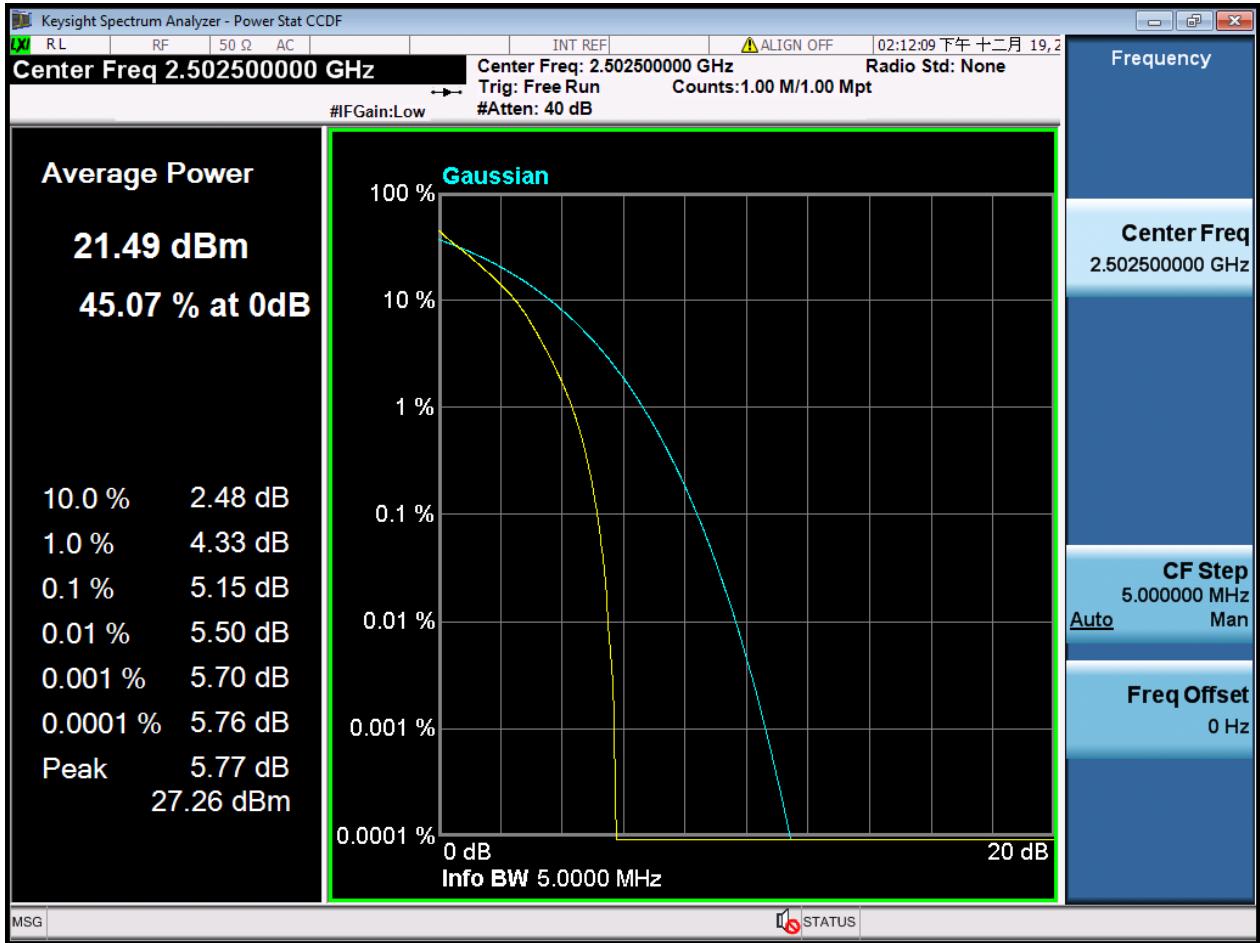
1.1. LTE Peak to Average Ratio(NTNV)(Subtest:1, Channel:20775, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2502.5	0.1	5.46	13	Pass



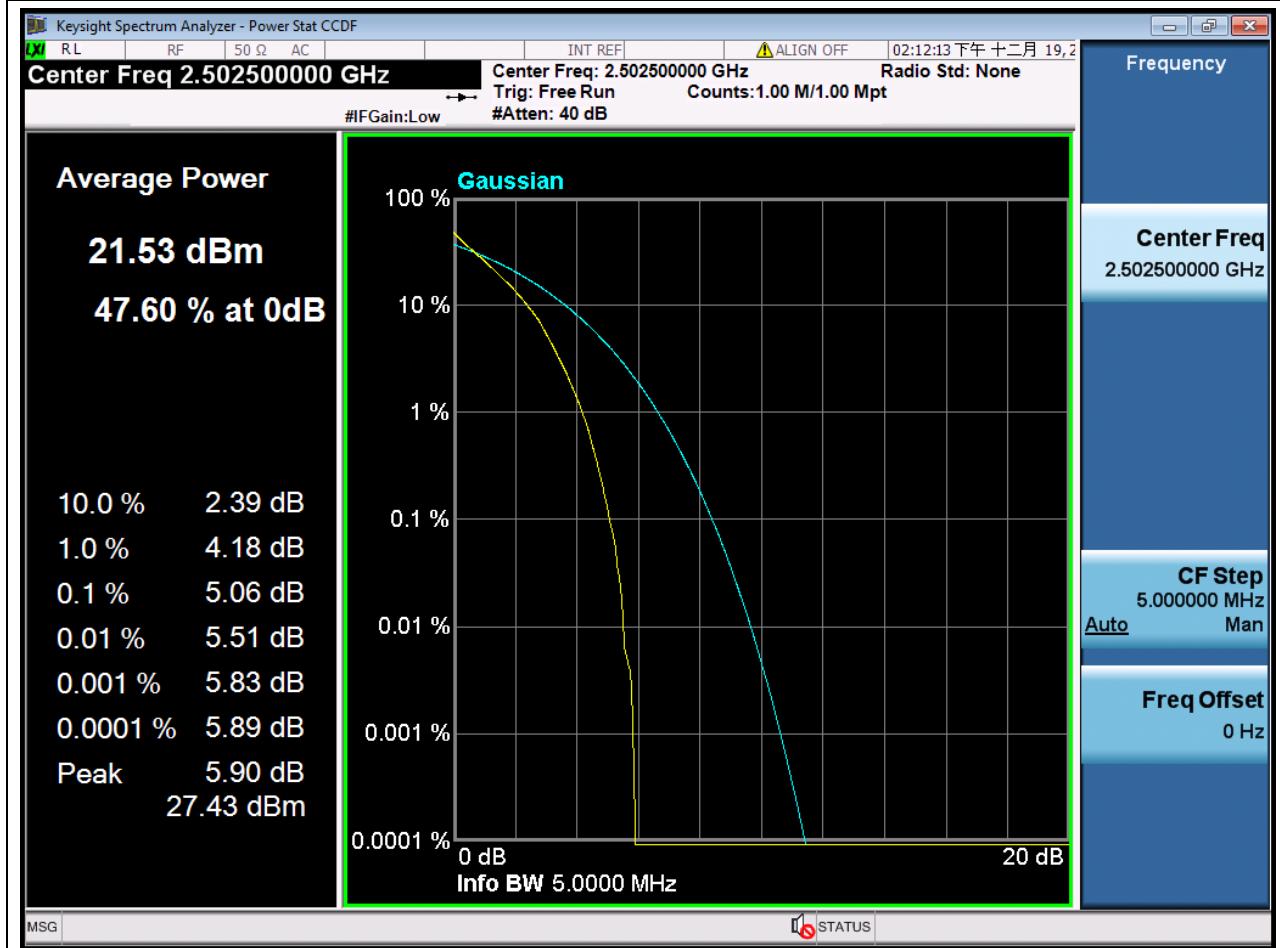
1.2. LTE Peak to Average Ratio(NTNV)(Subtest:2, Channel:20775, Bandwidth:5, Modulation:QPSK, RB Number: 12, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2502.5	0.1	5.15	13	Pass



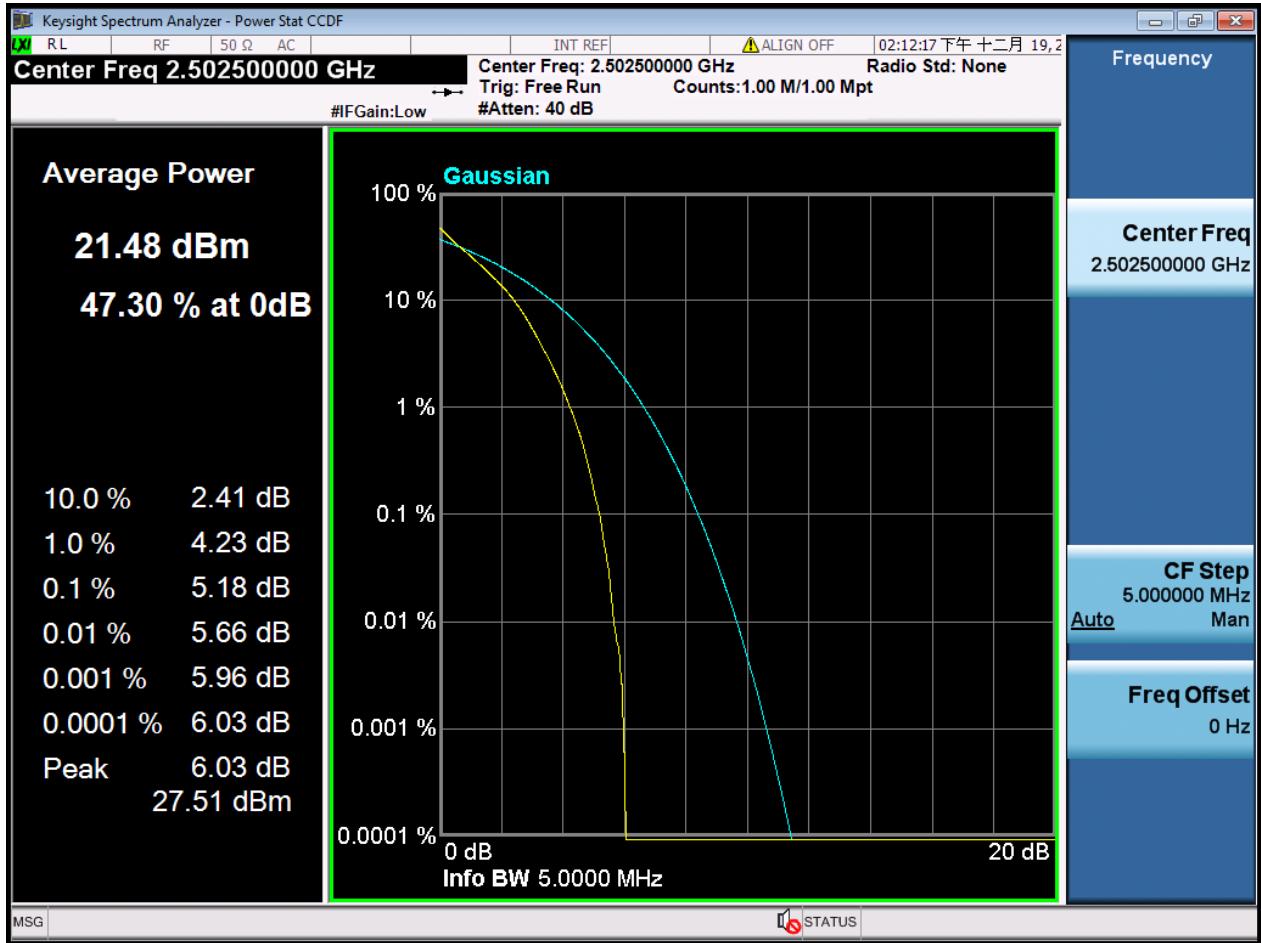
1.3. LTE Peak to Average Ratio(NTNV)(Subtest:3, Channel:20775, Bandwidth:5, Modulation:QPSK, RB Number: 12, RB Position:MID)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2502.5	0.1	5.06	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	5.18	13	Pass

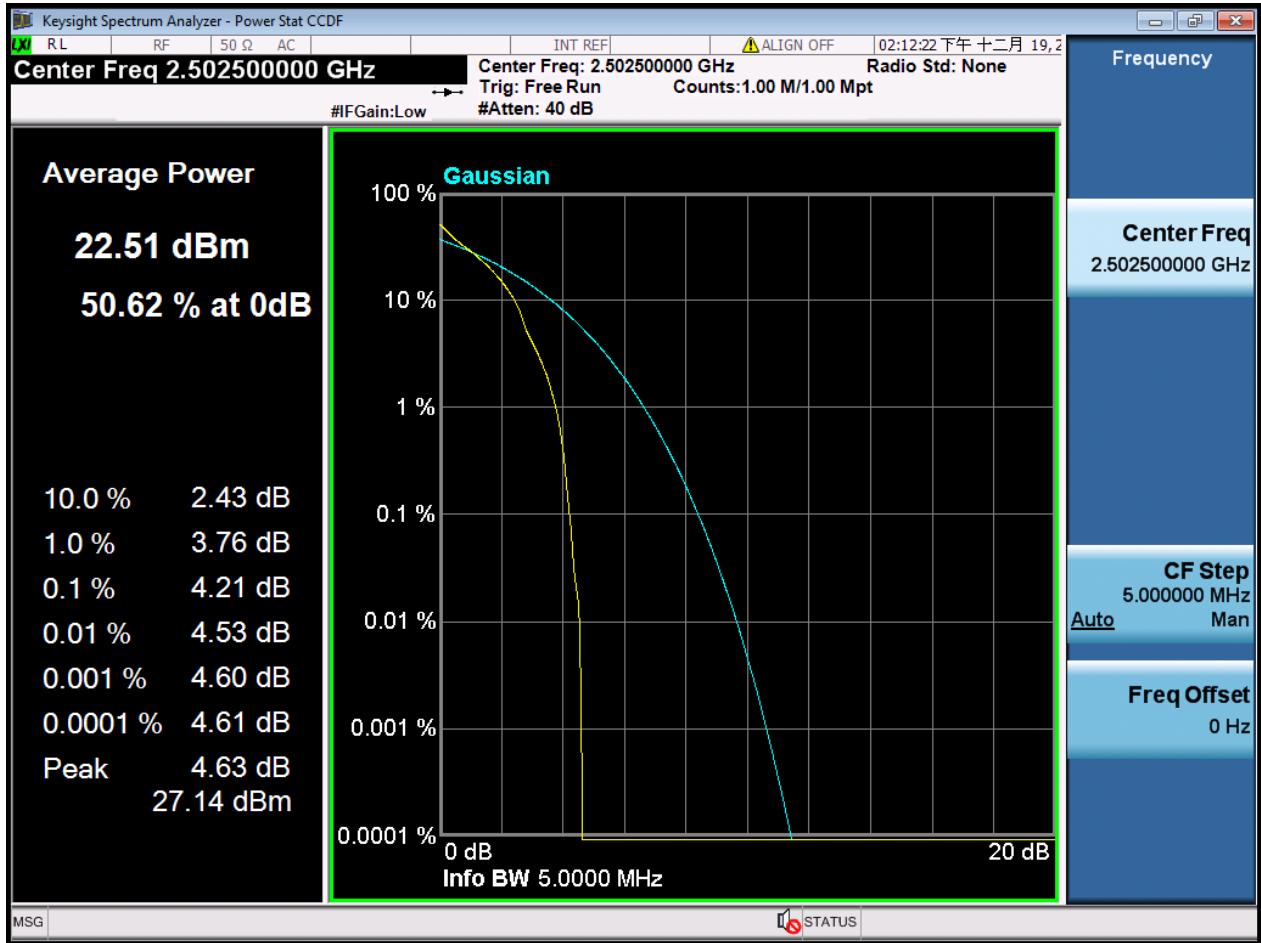


Average Power
21.48 dBm
47.30 % at 0dB

10.0 %	2.41 dB
1.0 %	4.23 dB
0.1 %	5.18 dB
0.01 %	5.66 dB
0.001 %	5.96 dB
0.0001 %	6.03 dB
Peak	6.03 dB
	27.51 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	4.21	13	Pass

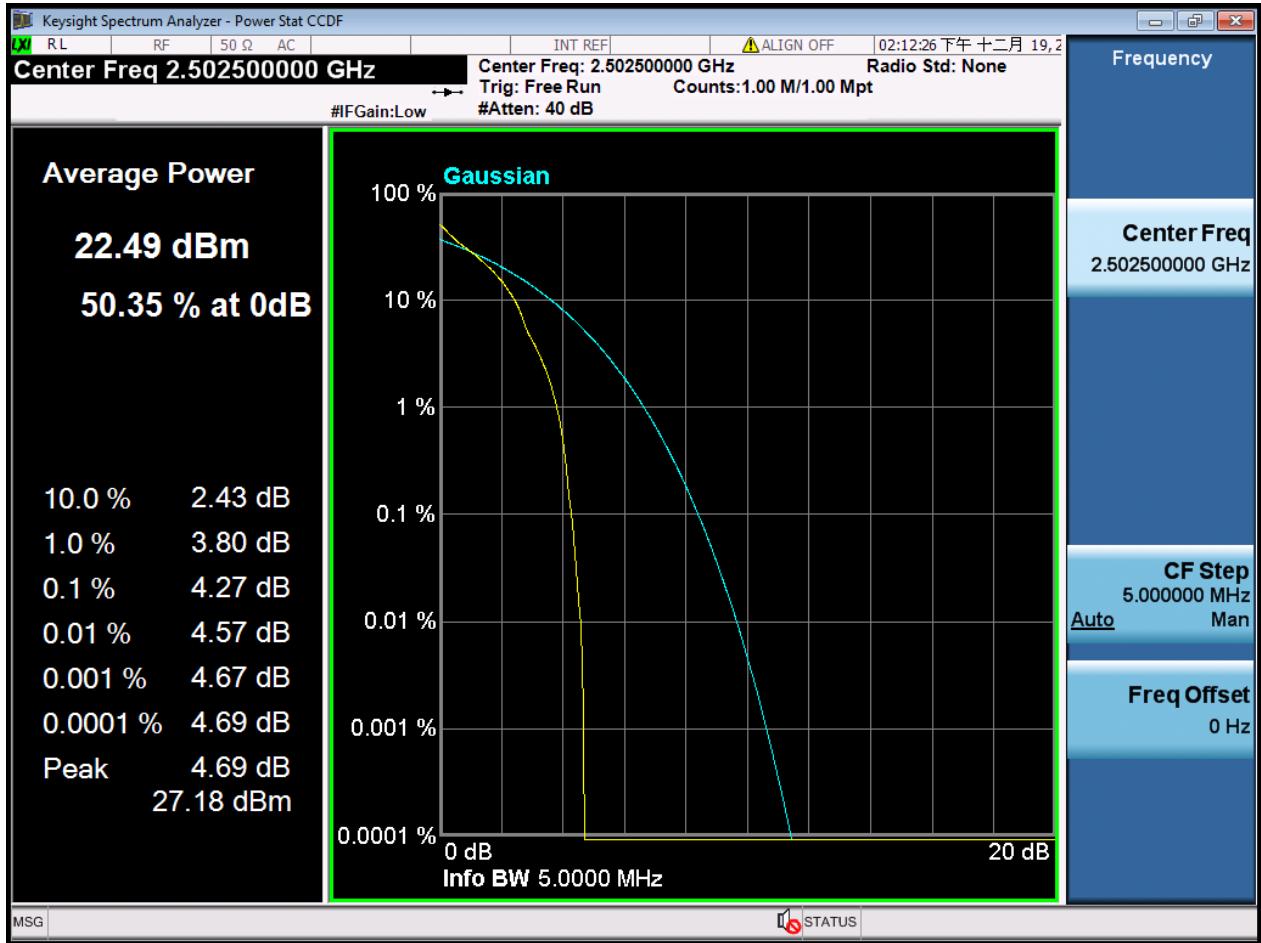


Average Power
22.51 dBm
50.62 % at 0dB

10.0 %	2.43 dB
1.0 %	3.76 dB
0.1 %	4.21 dB
0.01 %	4.53 dB
0.001 %	4.60 dB
0.0001 %	4.61 dB
Peak	4.63 dB
	27.14 dBm

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	4.27	13	Pass



Average Power
22.49 dBm
50.35 % at 0dB

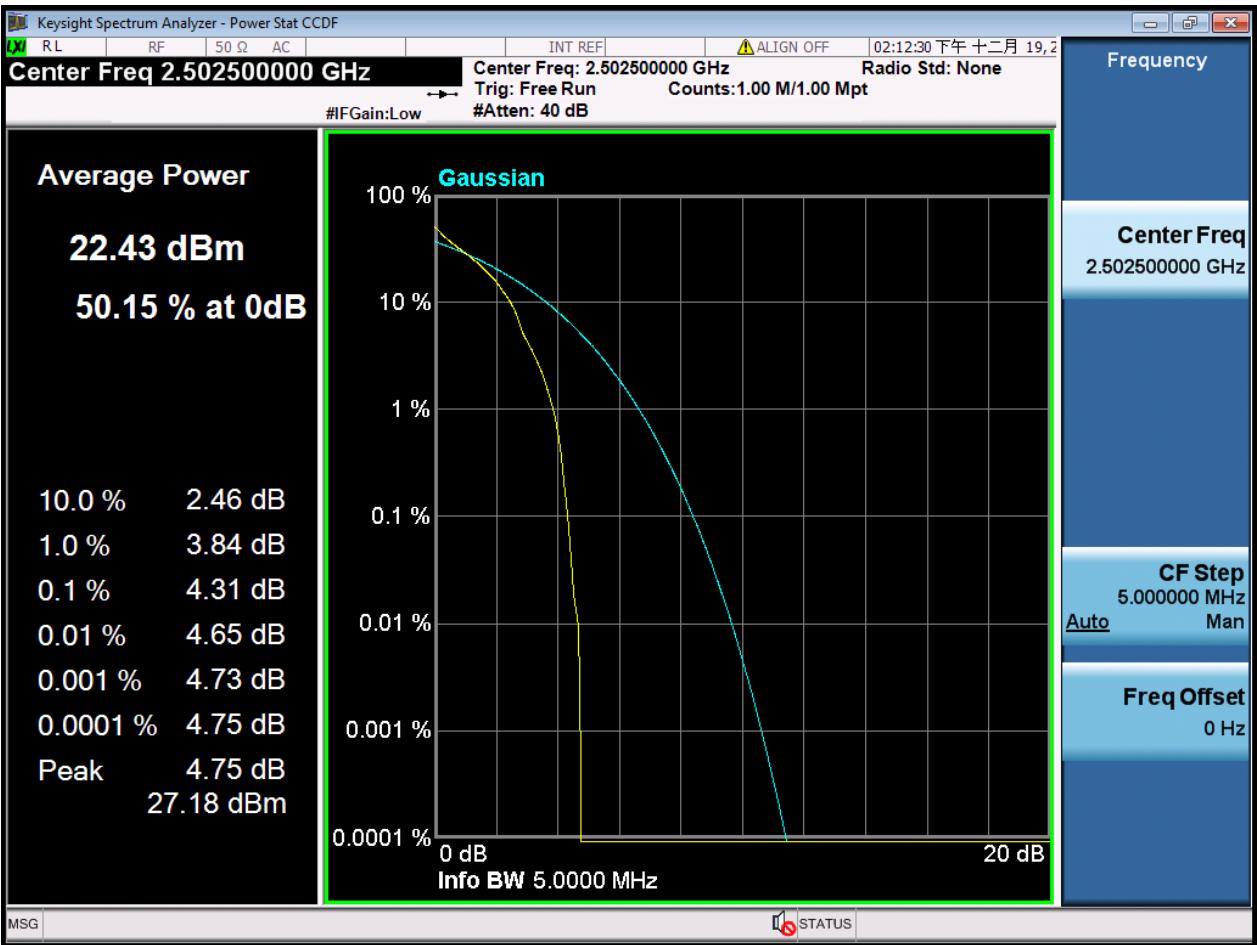
10.0 %	2.43 dB
1.0 %	3.80 dB
0.1 %	4.27 dB
0.01 %	4.57 dB
0.001 %	4.67 dB
0.0001 %	4.69 dB
Peak	4.69 dB
	27.18 dBm

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

1.7. 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	4.31	13	Pass



Average Power
22.43 dBm
50.15 % at 0dB

10.0 %	2.46 dB
1.0 %	3.84 dB
0.1 %	4.31 dB
0.01 %	4.65 dB
0.001 %	4.73 dB
0.0001 %	4.75 dB
Peak	4.75 dB
	27.18 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

Gaussian

CF Step 5.000000 MHz Man
Auto

Freq Offset 0 Hz

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	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 02:12:34 下午 十二月 19, 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
20.57 dBm
44.87 % at 0dB

10.0 % 2.83 dB
1.0 % 4.89 dB
0.1 % 6.00 dB
0.01 % 6.68 dB
0.001 % 7.34 dB
0.0001 % 7.41 dB
Peak 7.43 dB
28.00 dBm

Gaussian

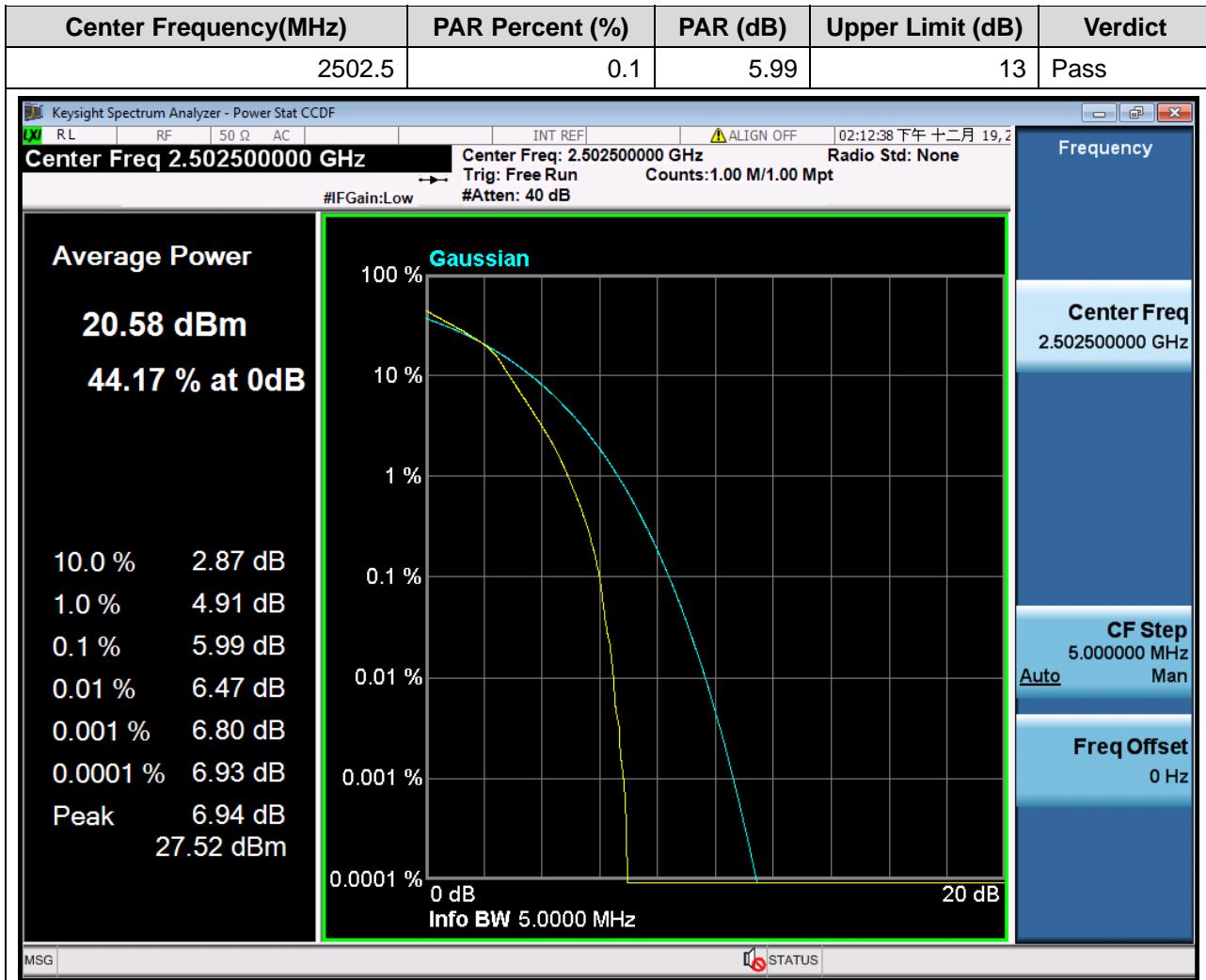


0.0001 % 0 dB 20 dB
Info BW 5.0000 MHz

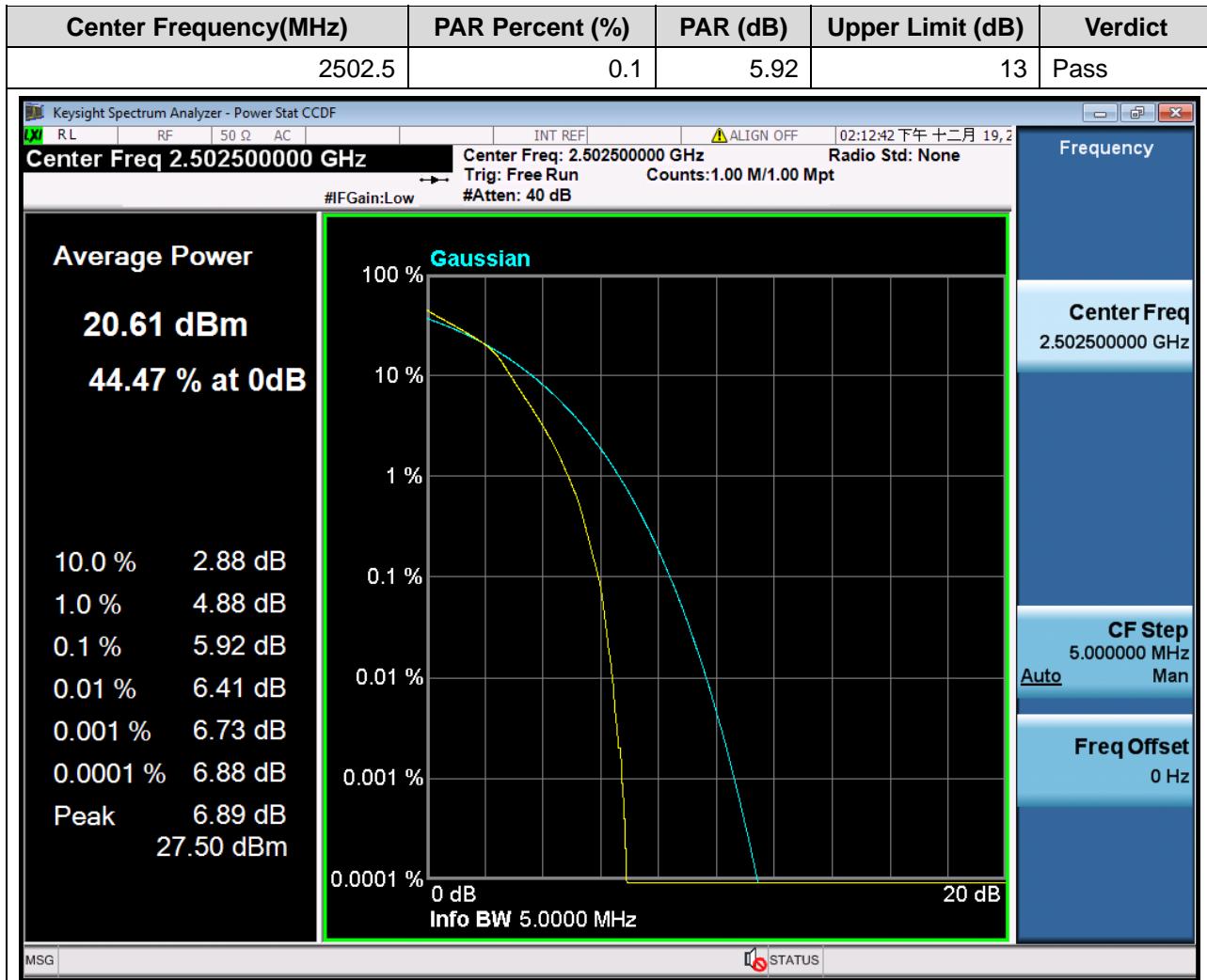
Frequency
Center Freq 2.502500000 GHz
CF Step 5.000000 MHz Man
Freq Offset 0 Hz

MSG STATUS

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

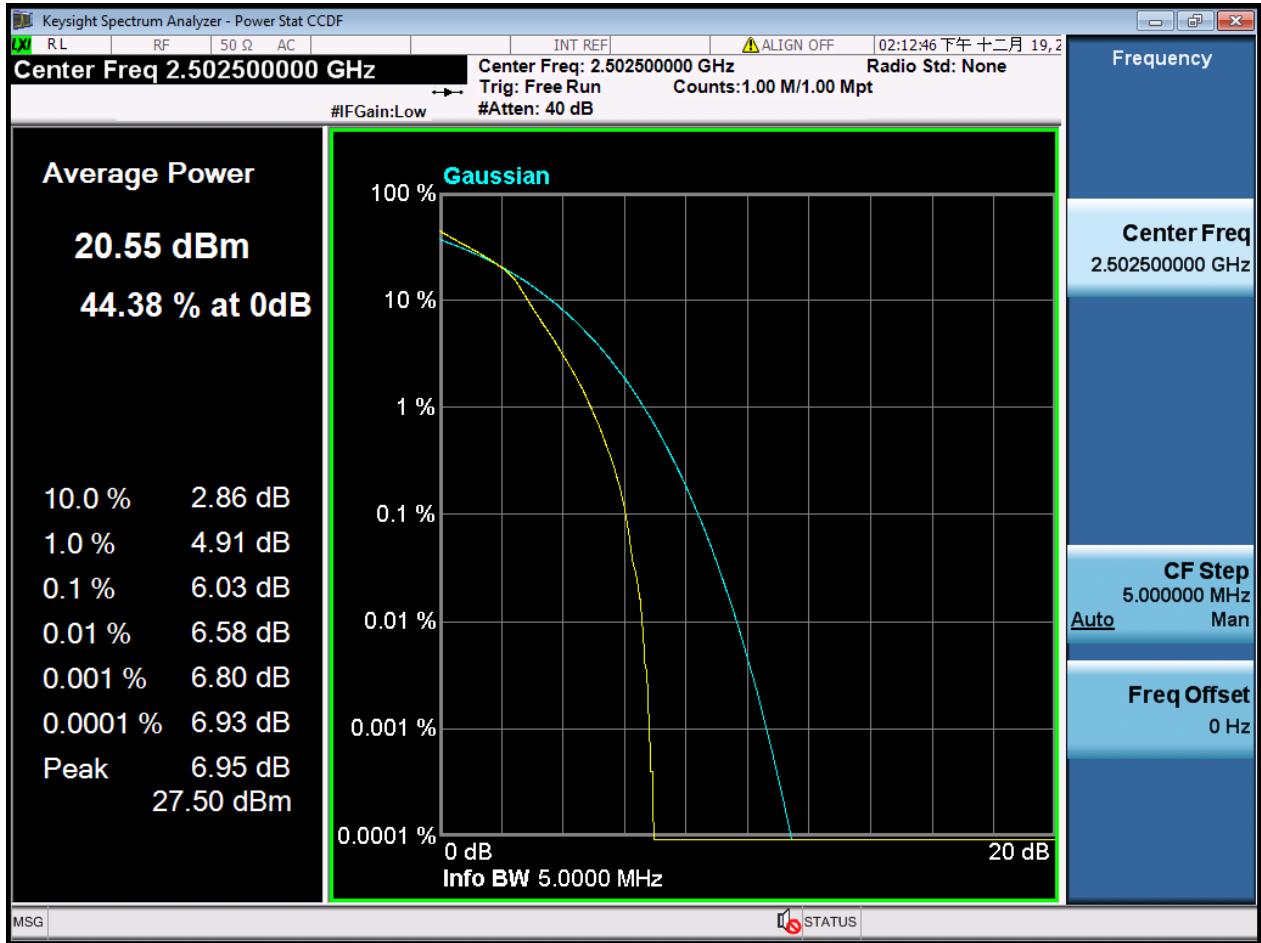


1.10. LTE Peak to Average Ratio(NTNV)(Subtest:10, Channel:20775, Bandwidth:5, Modulation:Q16, RB Number: 12, RB Position:MID)



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

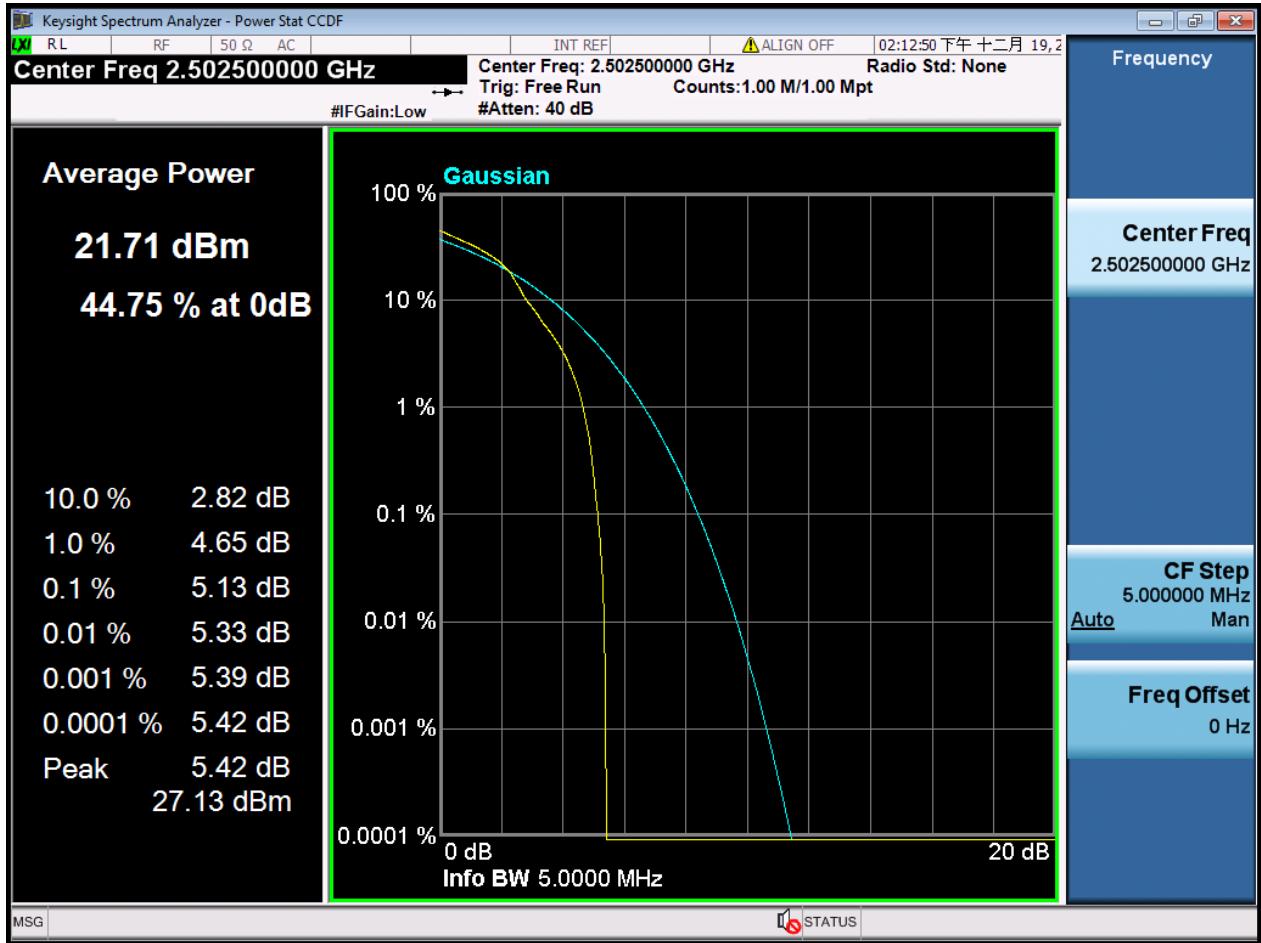
Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2502.5	0.1	6.03	13	Pass



Percentage	Power Level (dBm)
10.0 %	2.86 dBm
1.0 %	4.91 dBm
0.1 %	6.03 dBm
0.01 %	6.58 dBm
0.001 %	6.80 dBm
0.0001 %	6.93 dBm
Peak	6.95 dBm
	27.50 dBm

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	5.13	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:** 21.71 dBm
- 44.75 % at 0dB**
- Peak:** 5.42 dB
- 27.13 dBm**
- Info BW:** 5.0000 MHz
- Gaussian Fit:** The plot shows a Gaussian distribution curve overlaid on the experimental data points.
- Y-axis:** Logarithmic scale from 0.0001% to 100%.
- X-axis:** Linear scale from 0 dB to 20 dB.

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	5.14	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

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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
21.67 dBm
44.72 % at 0dB

10.0 % 2.82 dB
1.0 % 4.68 dB
0.1 % 5.14 dB
0.01 % 5.36 dB
0.001 % 5.43 dB
0.0001 % 5.45 dB
Peak 5.45 dB
27.12 dBm

Gaussian



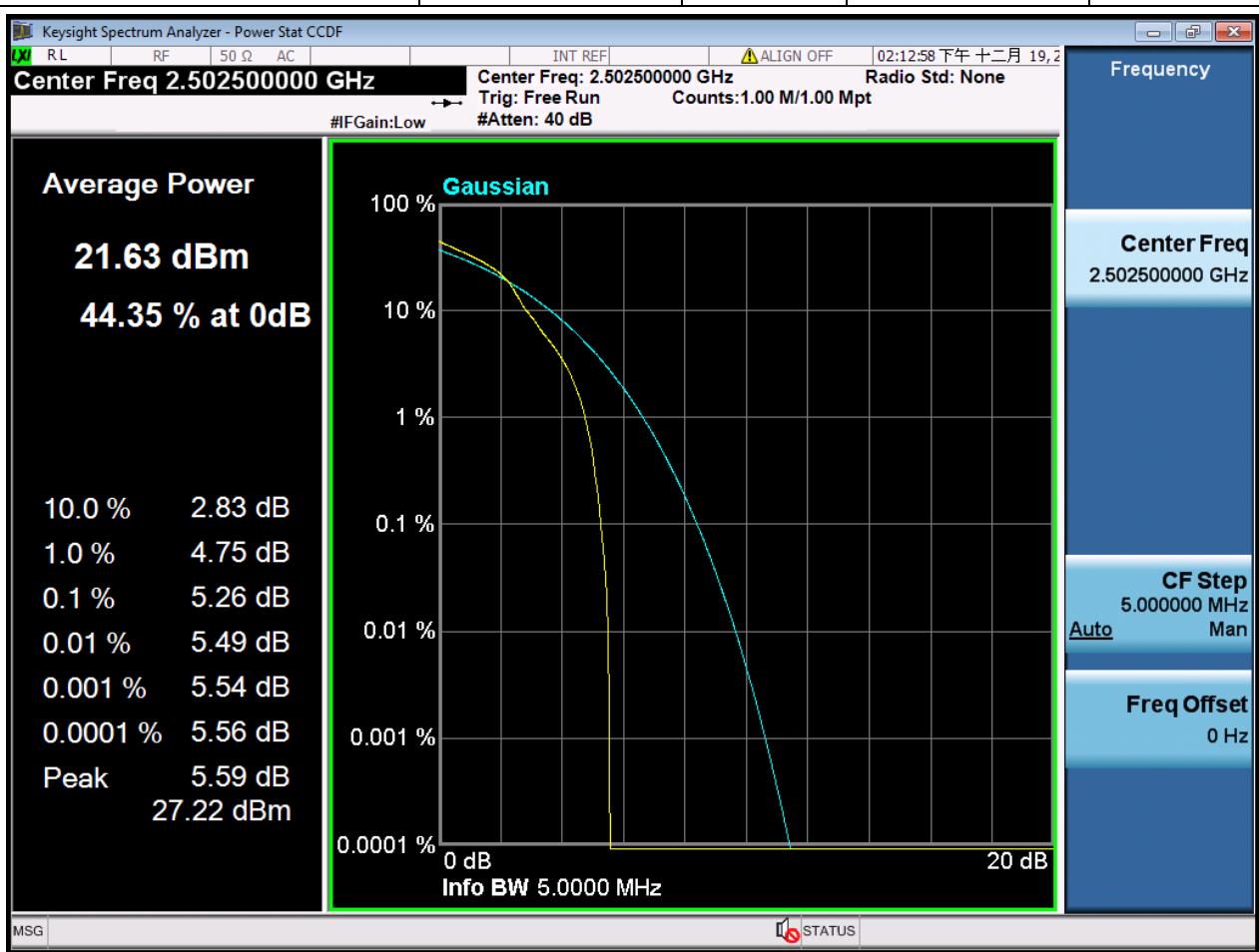
0 dB 20 dB
Info BW 5.0000 MHz

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

MSG STATUS

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

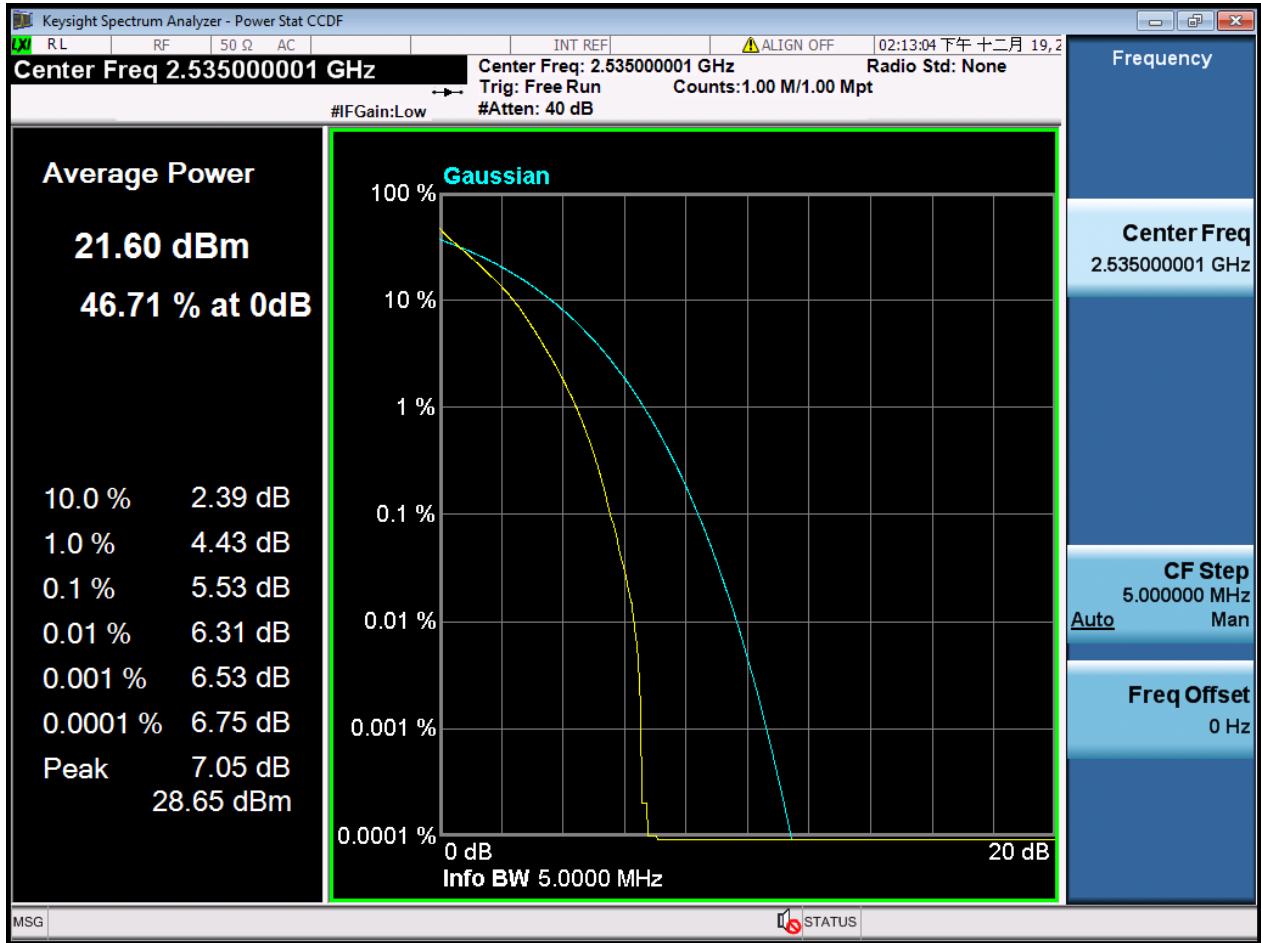
Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2502.5	0.1	5.26	13	Pass



21.63 dBm
44.35 % at 0dB
10.0 % 2.83 dB
1.0 % 4.75 dB
0.1 % 5.26 dB
0.01 % 5.49 dB
0.001 % 5.54 dB
0.0001 % 5.56 dB
Peak 5.59 dB
27.22 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	5.53	13	Pass



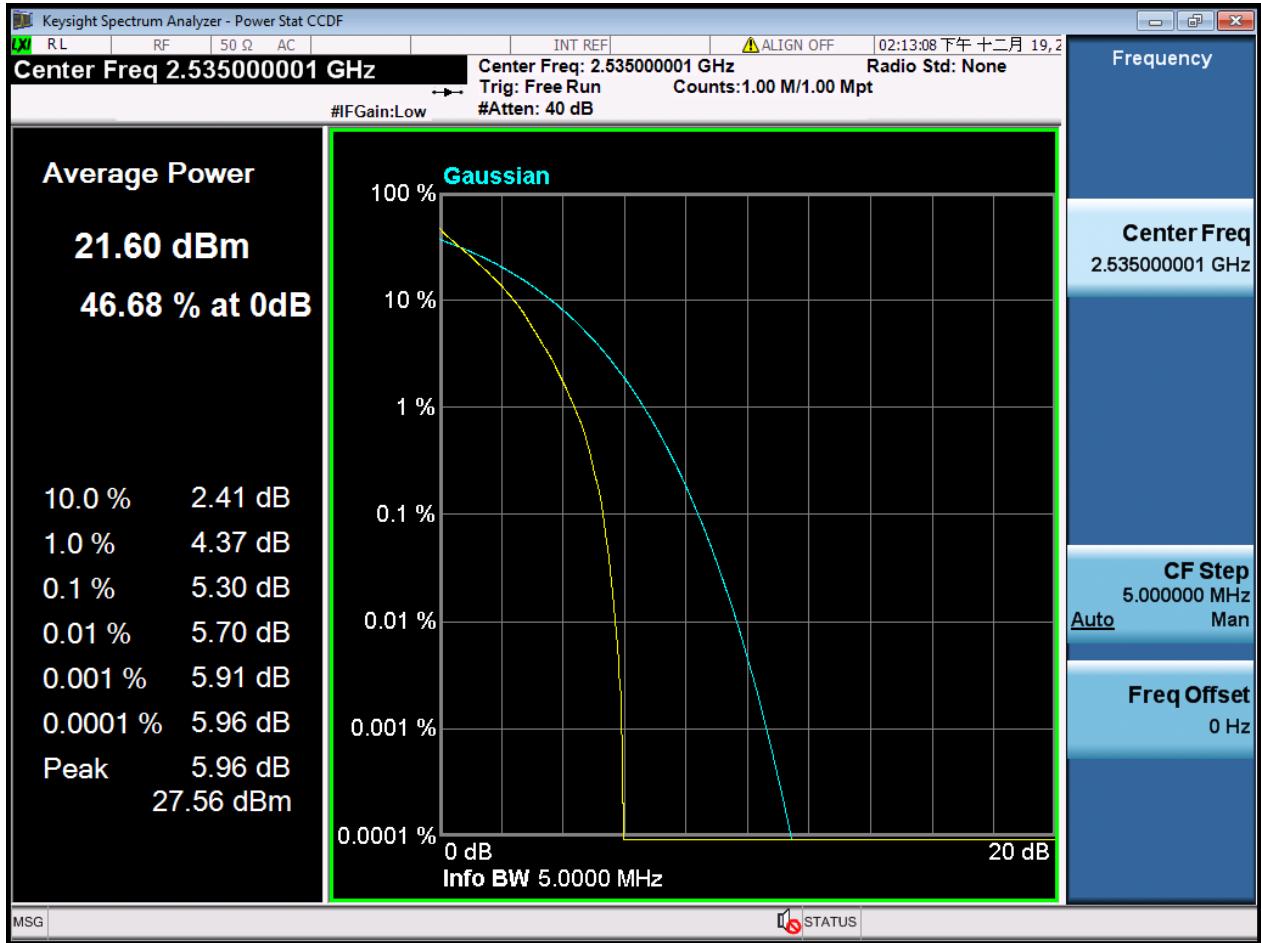
The screenshot shows the Keysight Spectrum Analyzer interface with the following details:

- 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:** 21.60 dBm
- 46.71 % at 0dB**
- Data Table:**

10.0 %	2.39 dB
1.0 %	4.43 dB
0.1 %	5.53 dB
0.01 %	6.31 dB
0.001 %	6.53 dB
0.0001 %	6.75 dB
Peak	7.05 dB
	28.65 dBm
- Gaussian Fit:** The plot shows a Gaussian distribution curve overlaid on the measured data points.
- Info BW:** 5.0000 MHz

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	5.3	13	Pass



Average Power
21.60 dBm
46.68 % at 0dB

10.0 %	2.41 dB
1.0 %	4.37 dB
0.1 %	5.30 dB
0.01 %	5.70 dB
0.001 %	5.91 dB
0.0001 %	5.96 dB
Peak	5.96 dB
	27.56 dBm

Center Freq 2.535000001 GHz

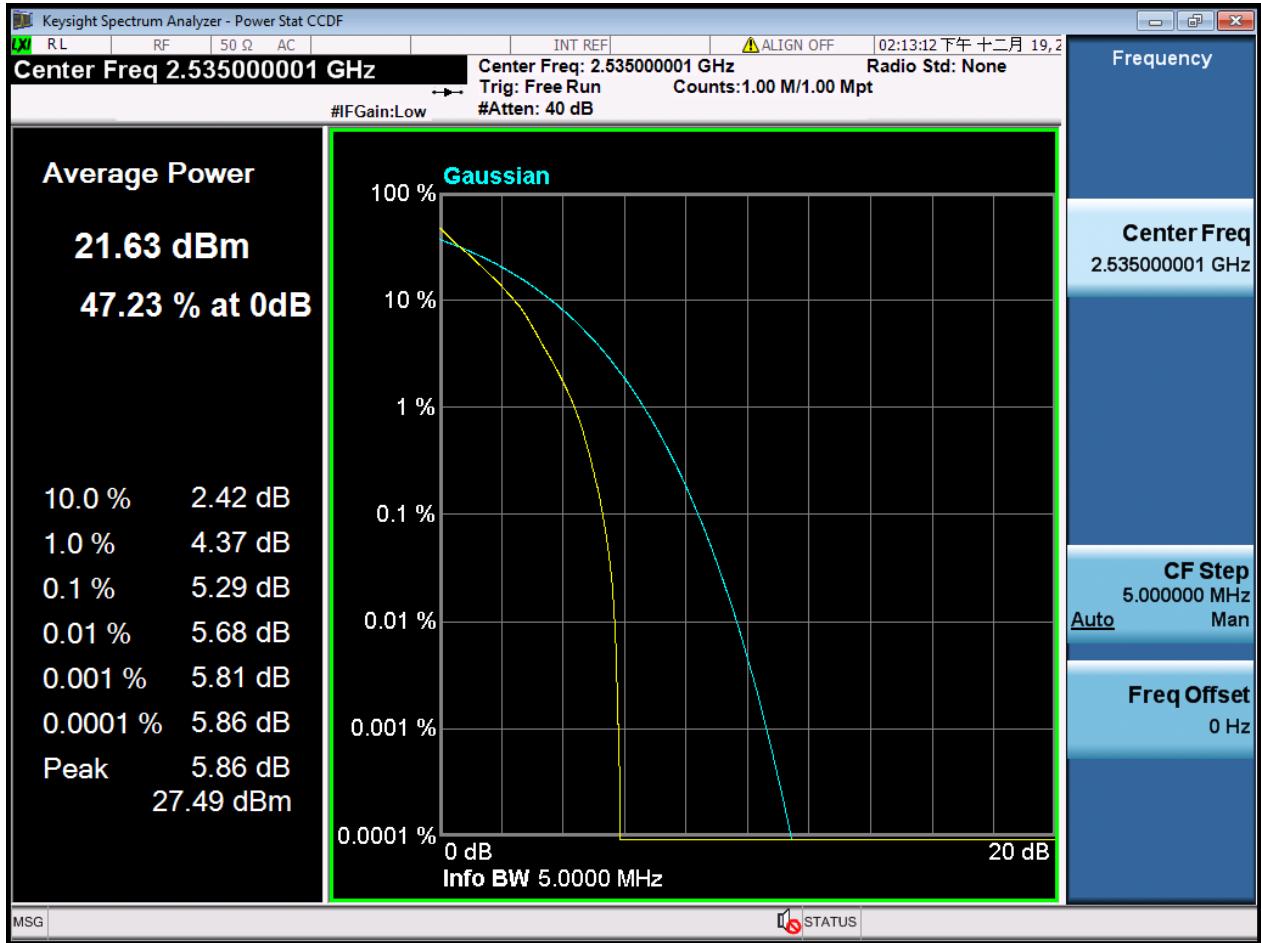
Center Freq Step 5.000000 MHz

Freq Offset 0 Hz

MSG STATUS

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	5.29	13	Pass

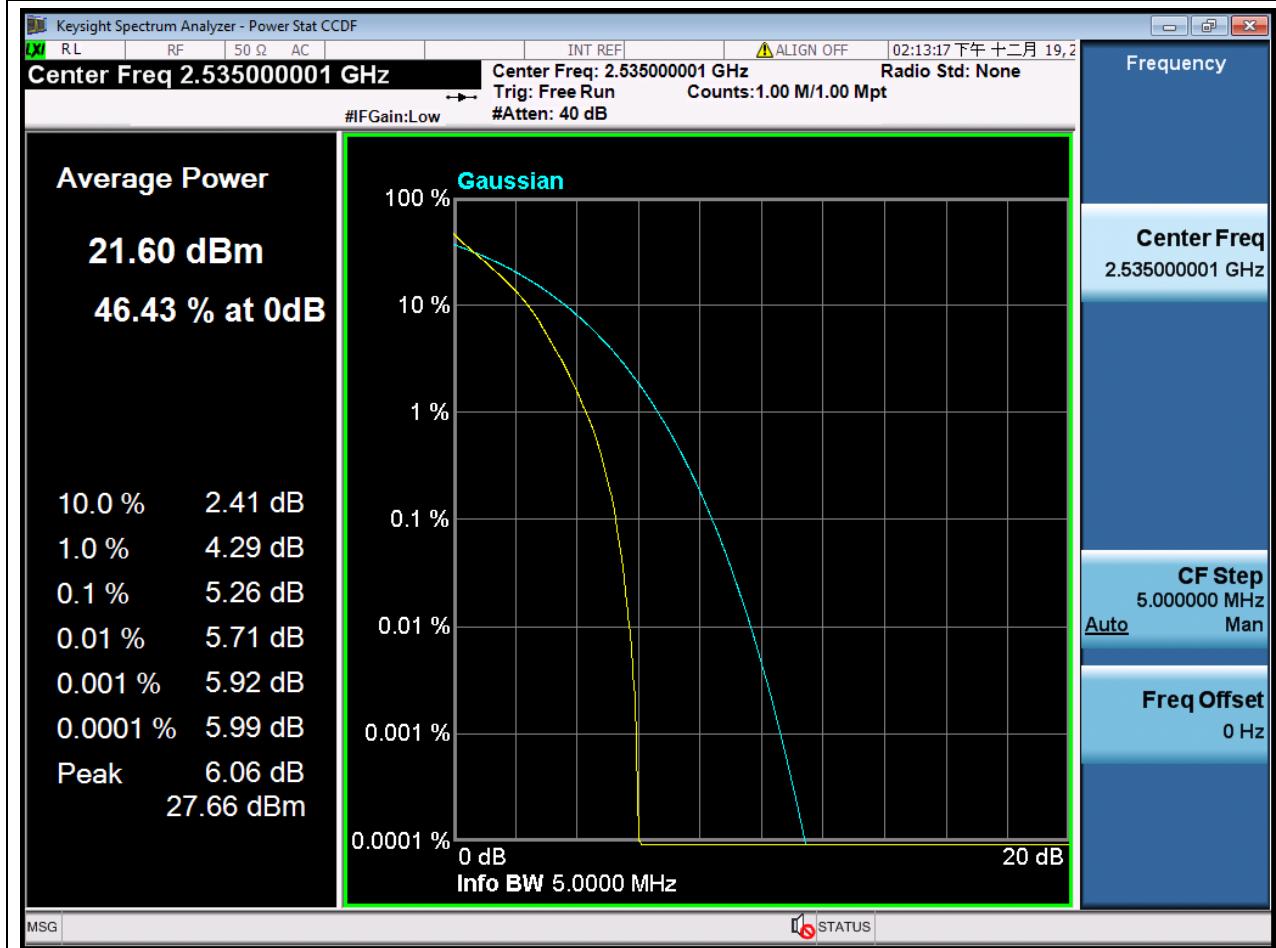


The screenshot shows the Keysight Spectrum Analyzer interface with the following details:

- 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:** 21.63 dBm
- 47.23 % at 0dB**
- Peak:** 5.86 dB
- 27.49 dBm**
- Info BW:** 5.0000 MHz
- Gaussian Fit:** The plot shows a Gaussian decay curve.
- Y-axis:** Logarithmic scale from 0.0001% to 100%.
- X-axis:** Linear scale from 0 dB to 20 dB.

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	5.26	13	Pass



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	4.57	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

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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 22.58 dBm
47.91 % at 0dB

10.0 % 2.50 dB
1.0 % 3.94 dB
0.1 % 4.57 dB
0.01 % 4.98 dB
0.001 % 5.13 dB
0.0001 % 5.18 dB
Peak 5.19 dB
27.77 dBm

Gaussian



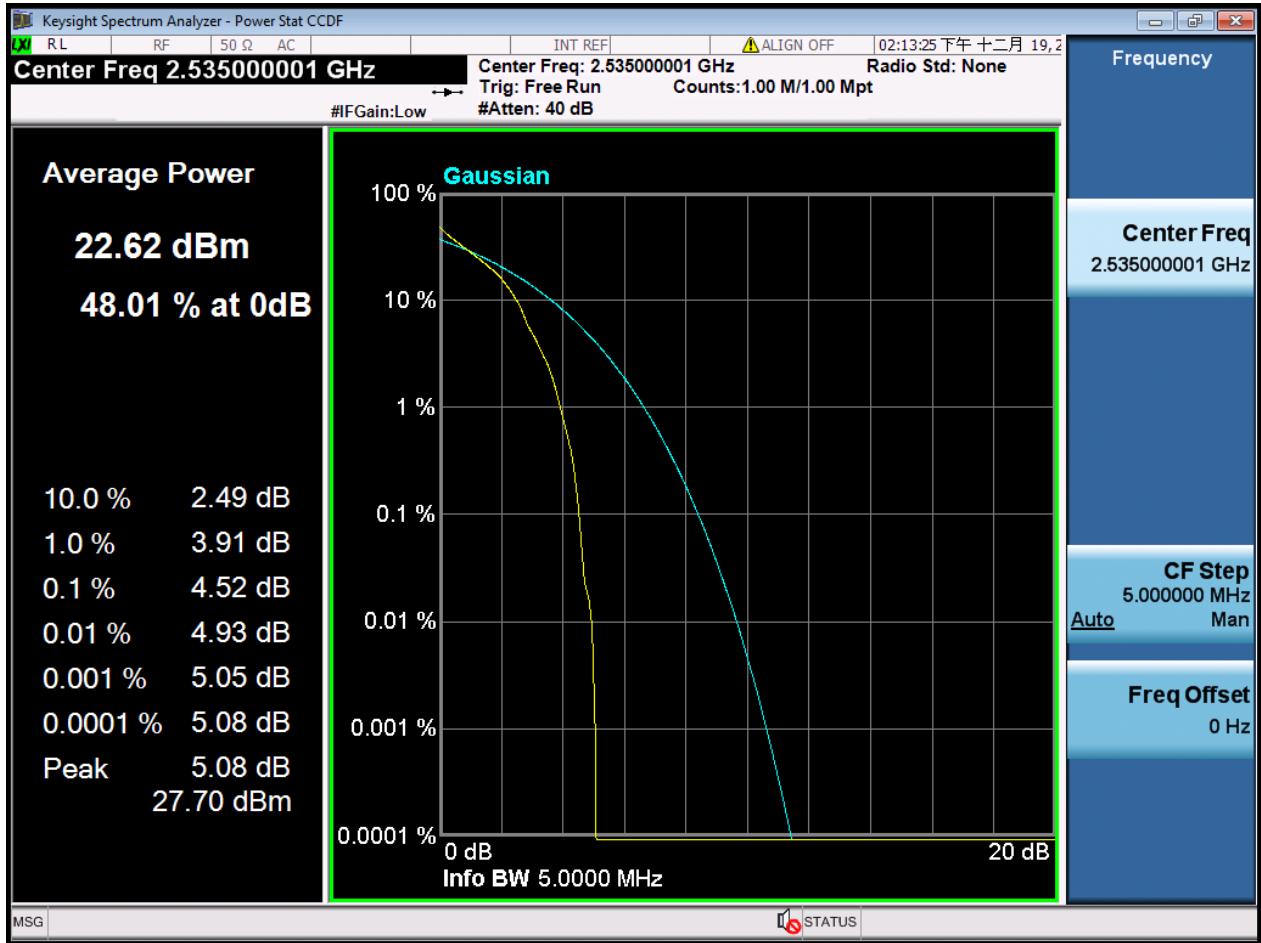
Info BW 5.0000 MHz

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	4.52	13	Pass



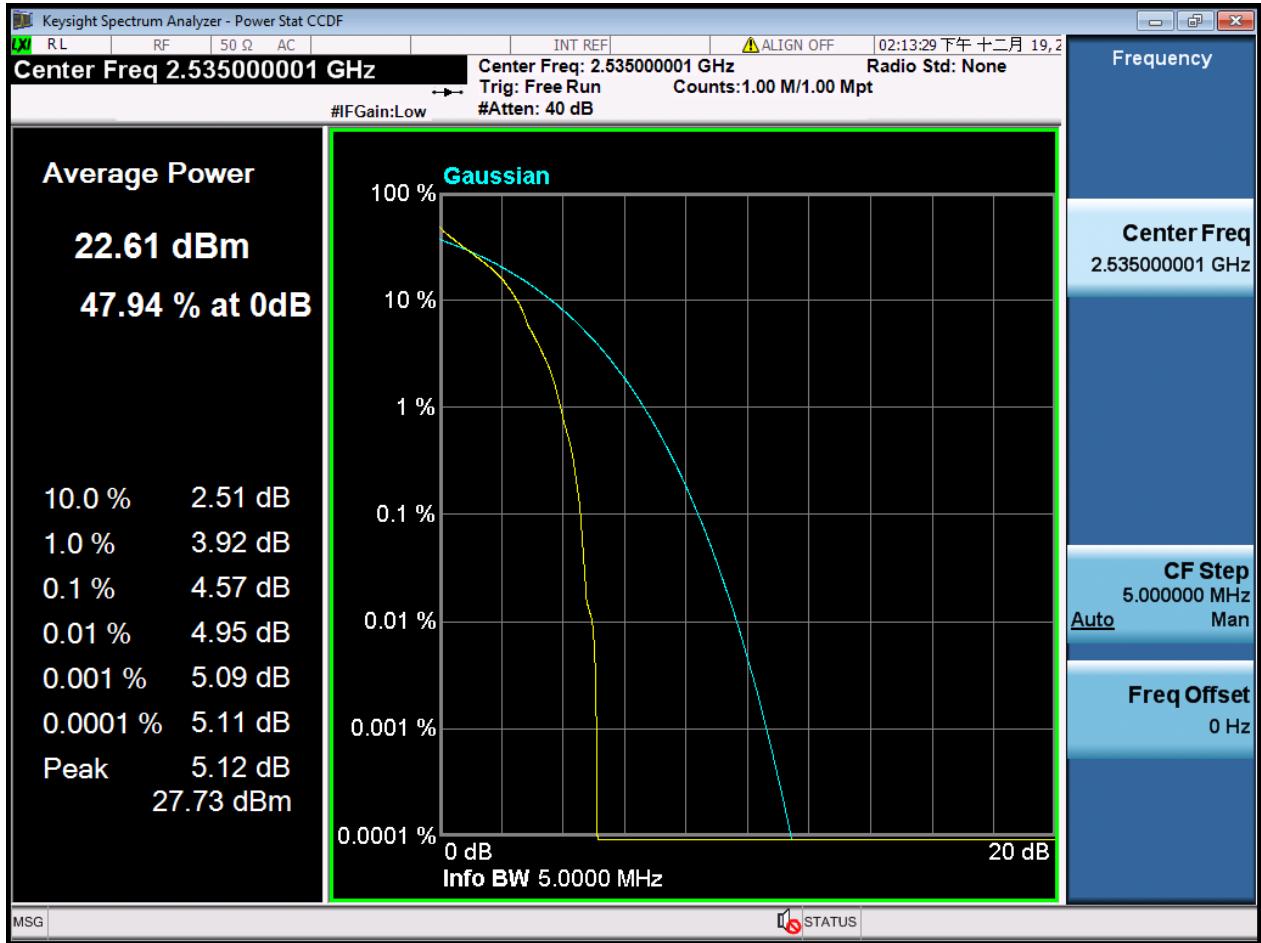
The screenshot shows the Keysight Spectrum Analyzer interface with the following details:

- 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:** 22.62 dBm
- 48.01 % at 0dB**
- Data Table:**

10.0 %	2.49 dB
1.0 %	3.91 dB
0.1 %	4.52 dB
0.01 %	4.93 dB
0.001 %	5.05 dB
0.0001 %	5.08 dB
Peak	5.08 dB
	27.70 dBm
- Plot:** Gaussian CCDF plot showing power percentage on the y-axis (0.0001% to 100%) versus power level on the x-axis (0 dB to 20 dB). The plot shows a sharp drop-off from 100% power at 0 dB down to near 0.0001% power at approximately 10 dB.
- Info BW:** 5.0000 MHz
- CF Step:** 5.000000 MHz
- Freq Offset:** 0 Hz

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	4.57	13	Pass



Average Power
22.61 dBm
47.94 % at 0dB

10.0 %	2.51 dB
1.0 %	3.92 dB
0.1 %	4.57 dB
0.01 %	4.95 dB
0.001 %	5.09 dB
0.0001 %	5.11 dB
Peak	5.12 dB
	27.73 dBm

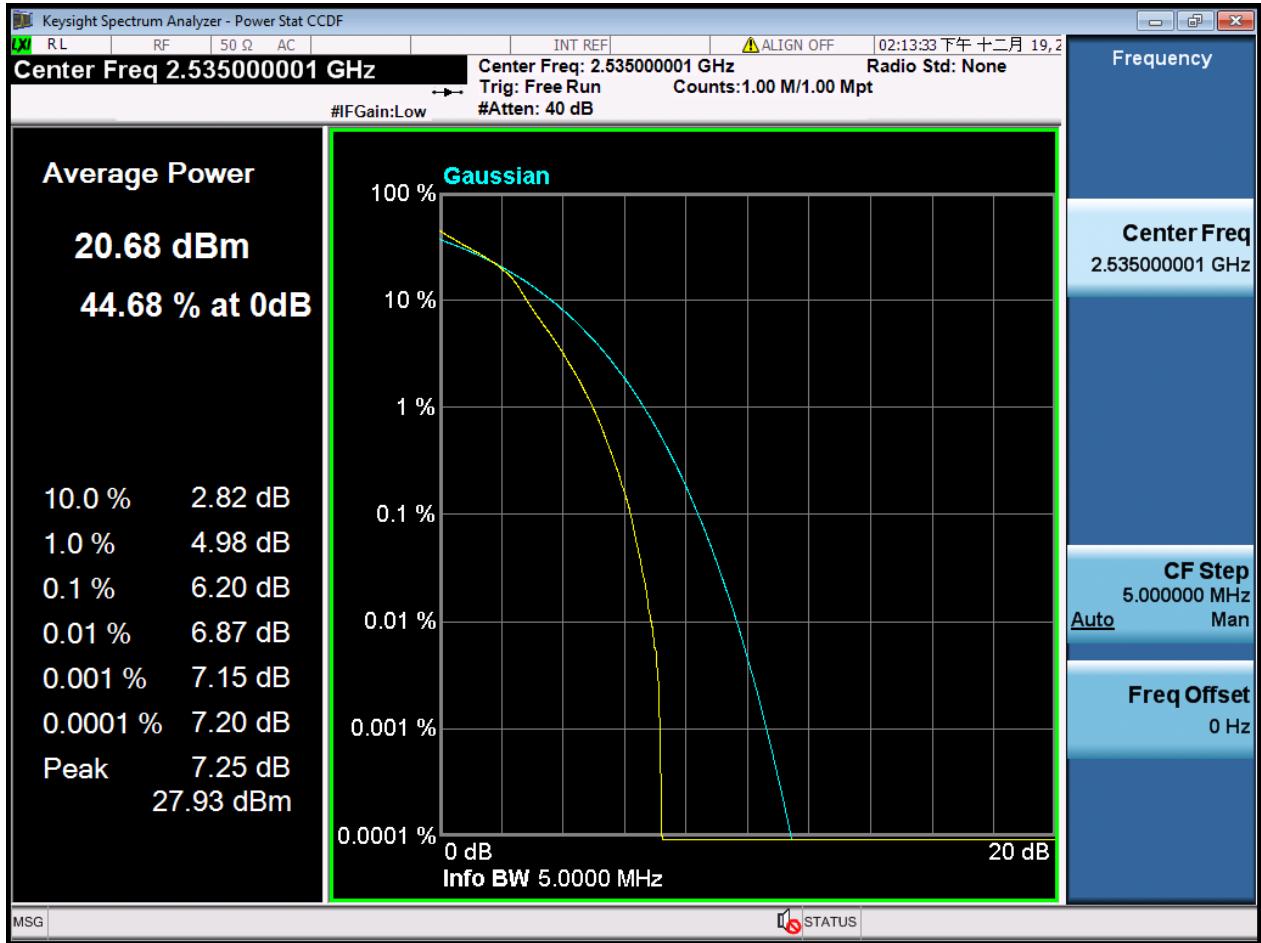
Center Freq
2.535000001 GHz

CF Step
5.000000 MHz

Freq Offset
0 Hz

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	6.2	13	Pass



Average Power
20.68 dBm
44.68 % at 0dB

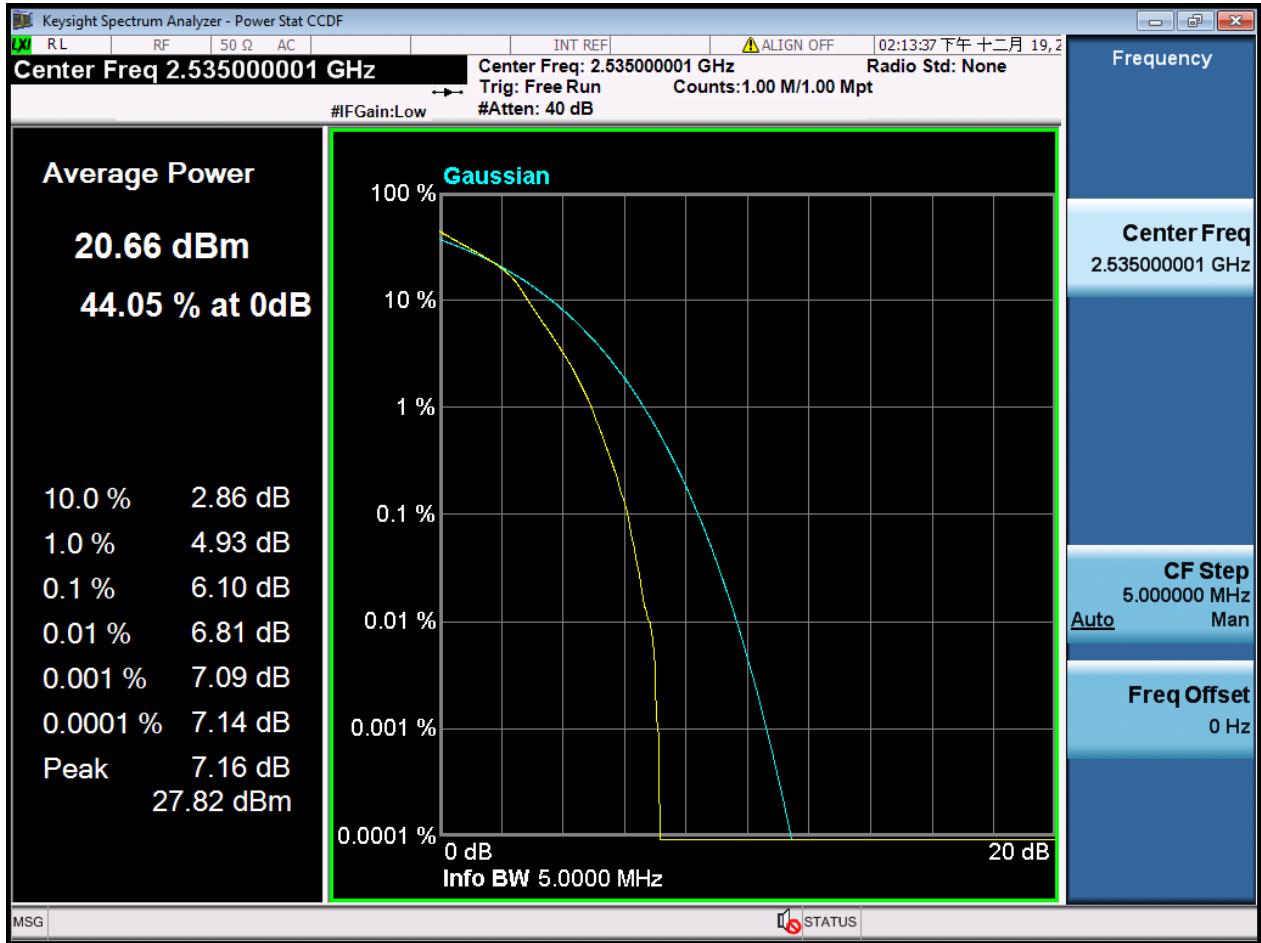
10.0 %	2.82 dB
1.0 %	4.98 dB
0.1 %	6.20 dB
0.01 %	6.87 dB
0.001 %	7.15 dB
0.0001 %	7.20 dB
Peak	7.25 dB
	27.93 dBm

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
Auto
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)

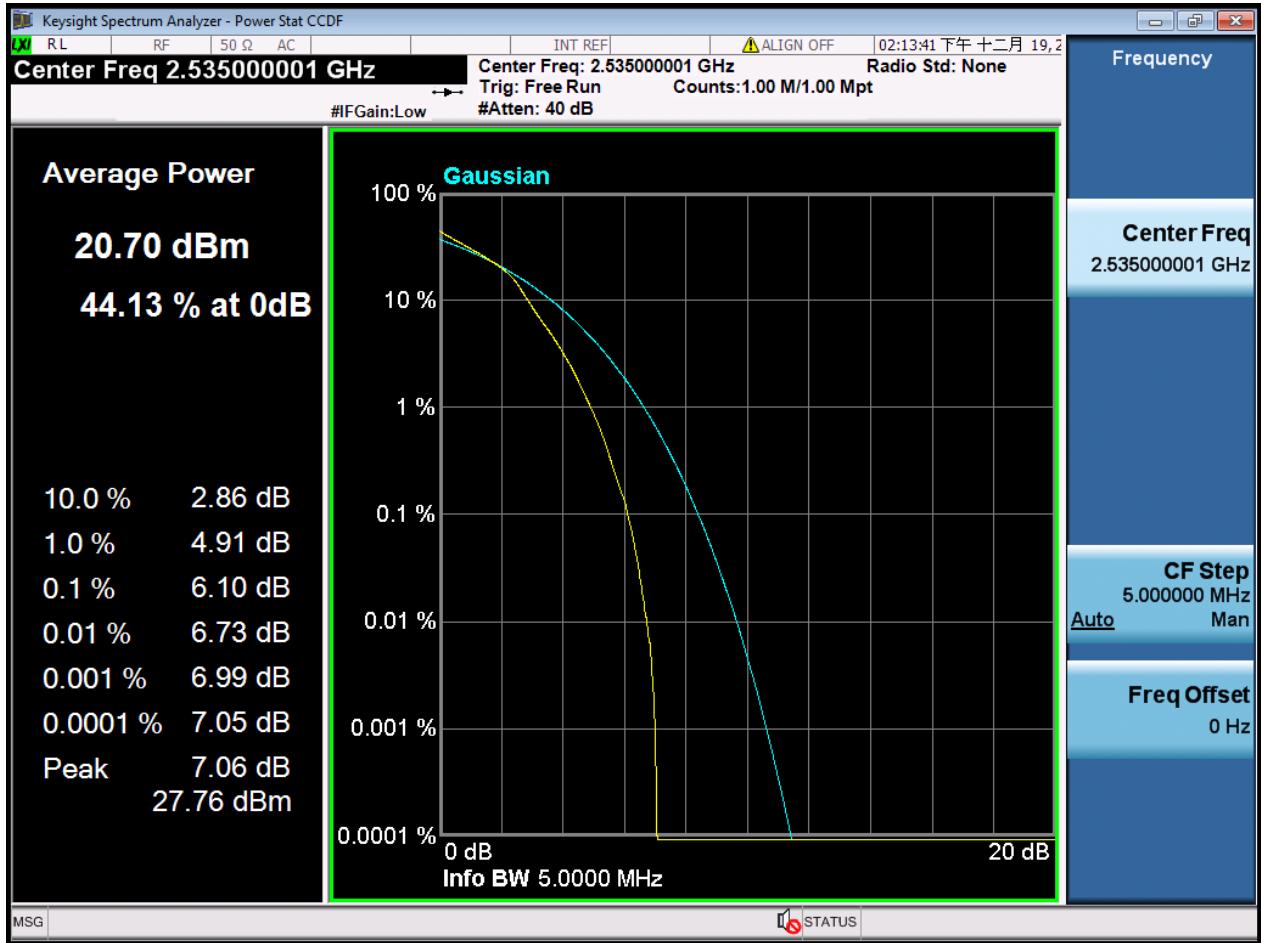
Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2535	0.1	6.1	13	Pass



20.66 dBm
44.05 % at 0dB
10.0 % 2.86 dB
1.0 % 4.93 dB
0.1 % 6.10 dB
0.01 % 6.81 dB
0.001 % 7.09 dB
0.0001 % 7.14 dB
Peak 7.16 dB
27.82 dBm

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	6.1	13	Pass

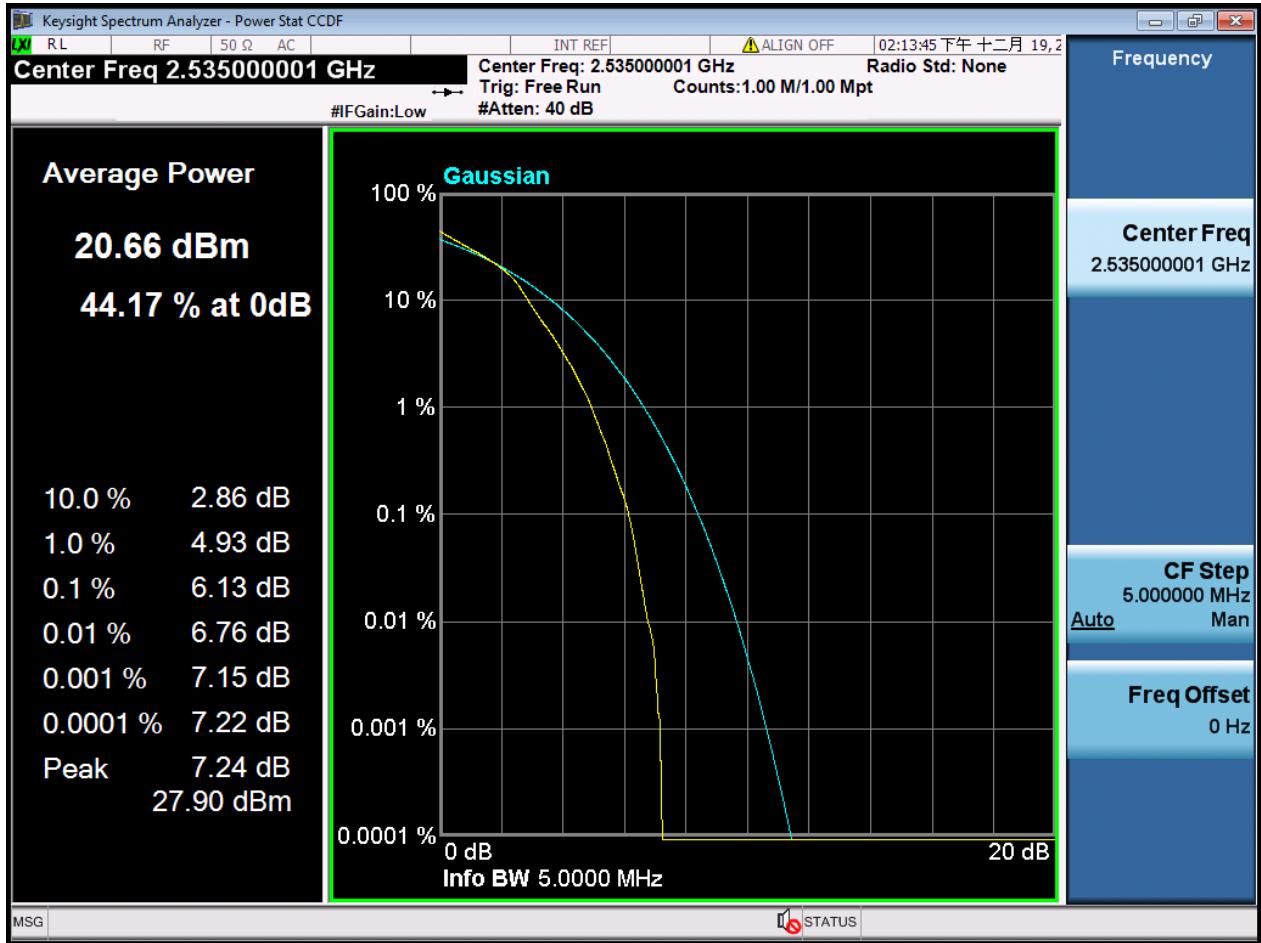


Average Power
20.70 dBm
44.13 % at 0dB

10.0 %	2.86 dB
1.0 %	4.91 dB
0.1 %	6.10 dB
0.01 %	6.73 dB
0.001 %	6.99 dB
0.0001 %	7.05 dB
Peak	7.06 dB
	27.76 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	6.13	13	Pass



Average Power
20.66 dBm
44.17 % at 0dB

10.0 %	2.86 dB
1.0 %	4.93 dB
0.1 %	6.13 dB
0.01 %	6.76 dB
0.001 %	7.15 dB
0.0001 %	7.22 dB
Peak	7.24 dB
	27.90 dBm

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
Auto
Freq Offset
0 Hz

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	5.44	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

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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
44.53 % at 0dB

10.0 % 2.76 dB
1.0 % 4.70 dB
0.1 % 5.44 dB
0.01 % 5.75 dB
0.001 % 5.80 dB
0.0001 % 5.83 dB
Peak 5.83 dB
27.71 dBm

Gaussian



Info BW 5.0000 MHz

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

MSG STATUS

1.27. 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	5.48	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 02:13:53 下午 十二月 19, 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 21.91 dBm
44.56 % at 0dB

10.0 % 2.76 dB
1.0 % 4.72 dB
0.1 % 5.48 dB
0.01 % 5.77 dB
0.001 % 5.85 dB
0.0001 % 5.89 dB
Peak 5.90 dB
27.81 dBm

Gaussian



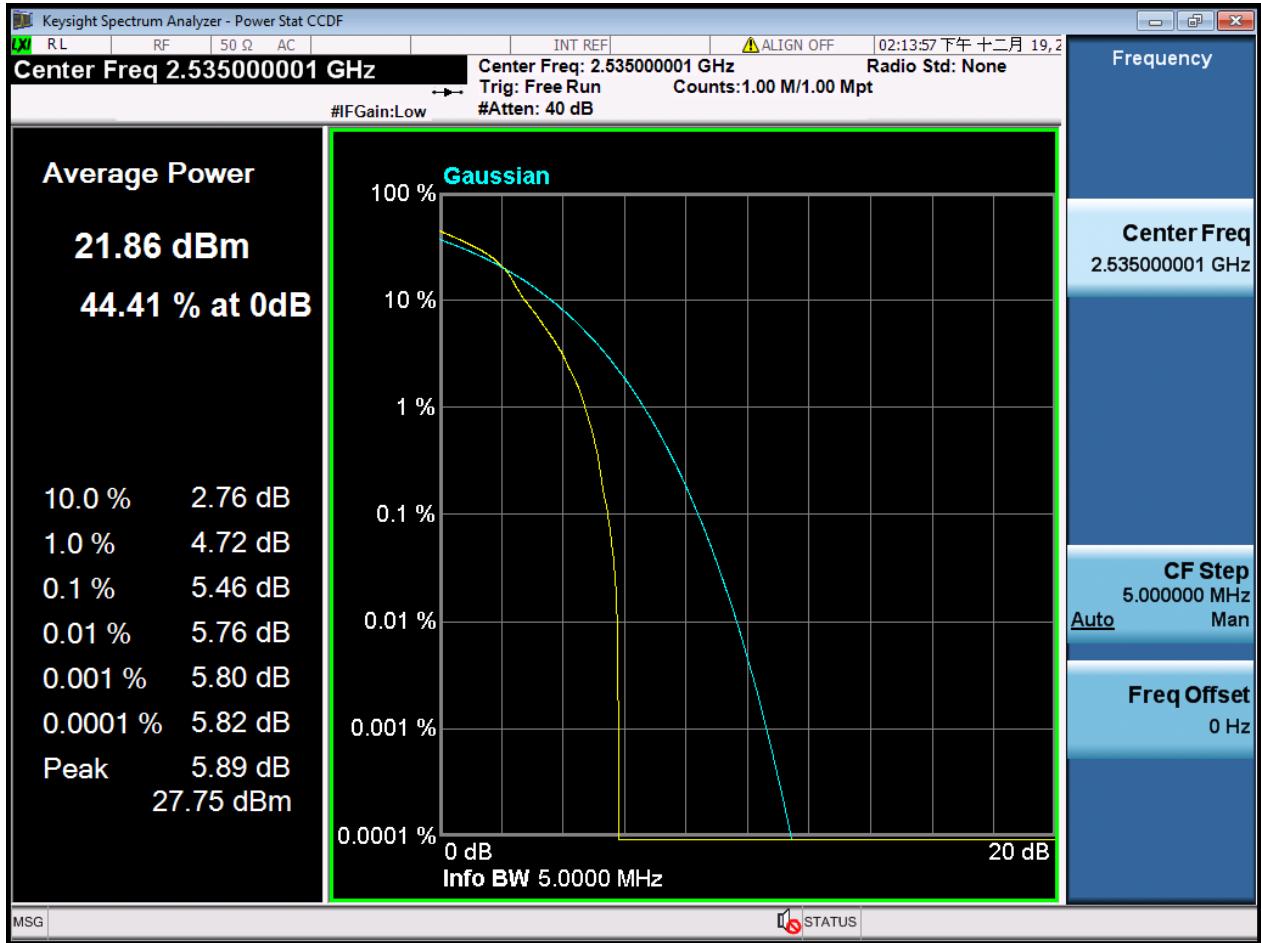
Info BW 5.0000 MHz

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	5.46	13	Pass



Average Power
21.86 dBm
44.41 % at 0dB

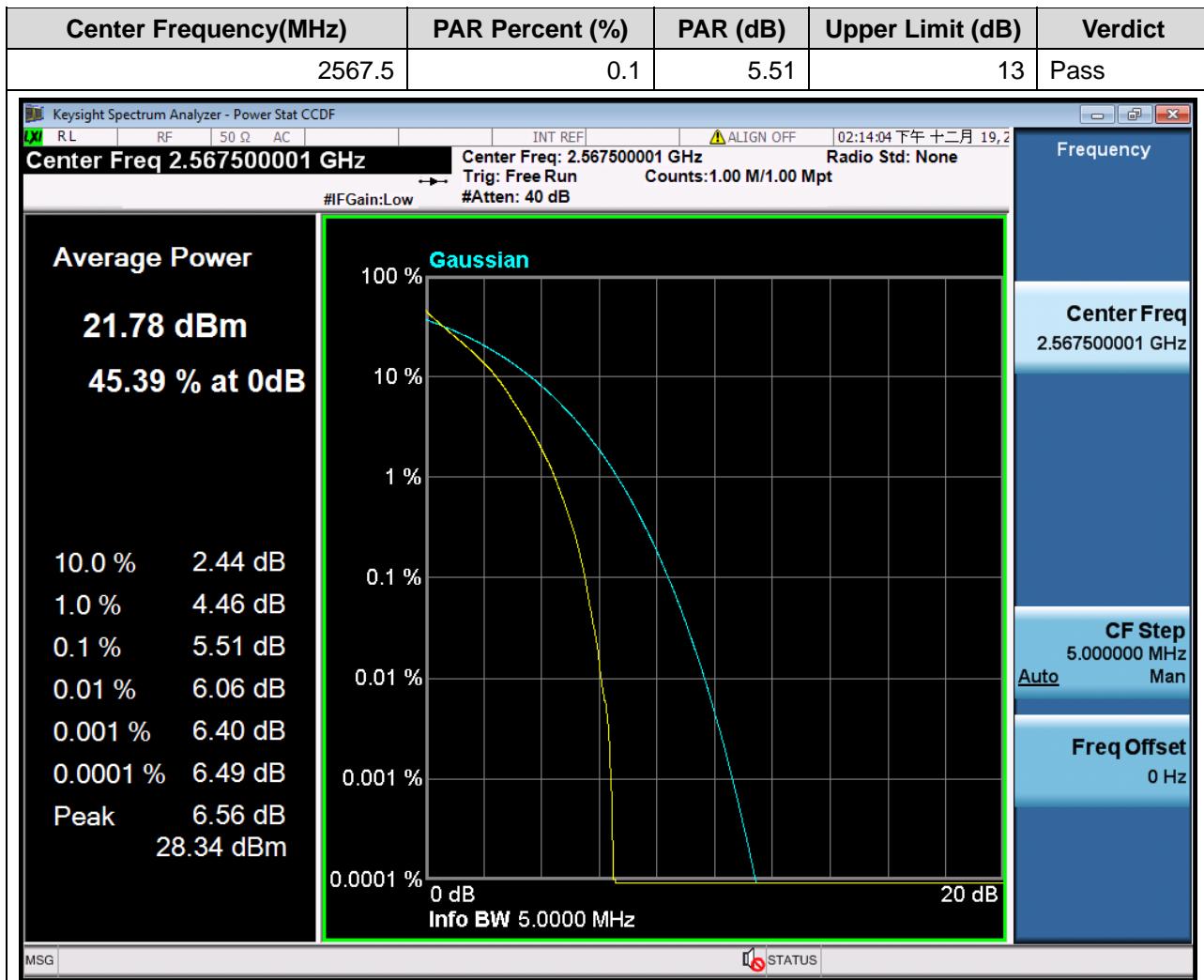
10.0 %	2.76 dB
1.0 %	4.72 dB
0.1 %	5.46 dB
0.01 %	5.76 dB
0.001 %	5.80 dB
0.0001 %	5.82 dB
Peak	5.89 dB
	27.75 dBm

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
Auto
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)



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	5.32	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 02:14:08 下午 十二月 19, 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 21.81 dBm
45.00 % at 0dB

10.0 % 2.48 dB
1.0 % 4.43 dB
0.1 % 5.32 dB
0.01 % 5.76 dB
0.001 % 5.90 dB
0.0001 % 6.01 dB
Peak 6.01 dB
27.82 dBm

Gaussian



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

MSG STATUS

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	5.32	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 02:14:12 下午 十二月 19, 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 21.80 dBm
44.25 % at 0dB

10.0 % 2.51 dB
1.0 % 4.45 dB
0.1 % 5.32 dB
0.01 % 5.63 dB
0.001 % 5.80 dB
0.0001 % 5.85 dB
Peak 5.91 dB
27.71 dBm

Gaussian



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

0 dB 20 dB

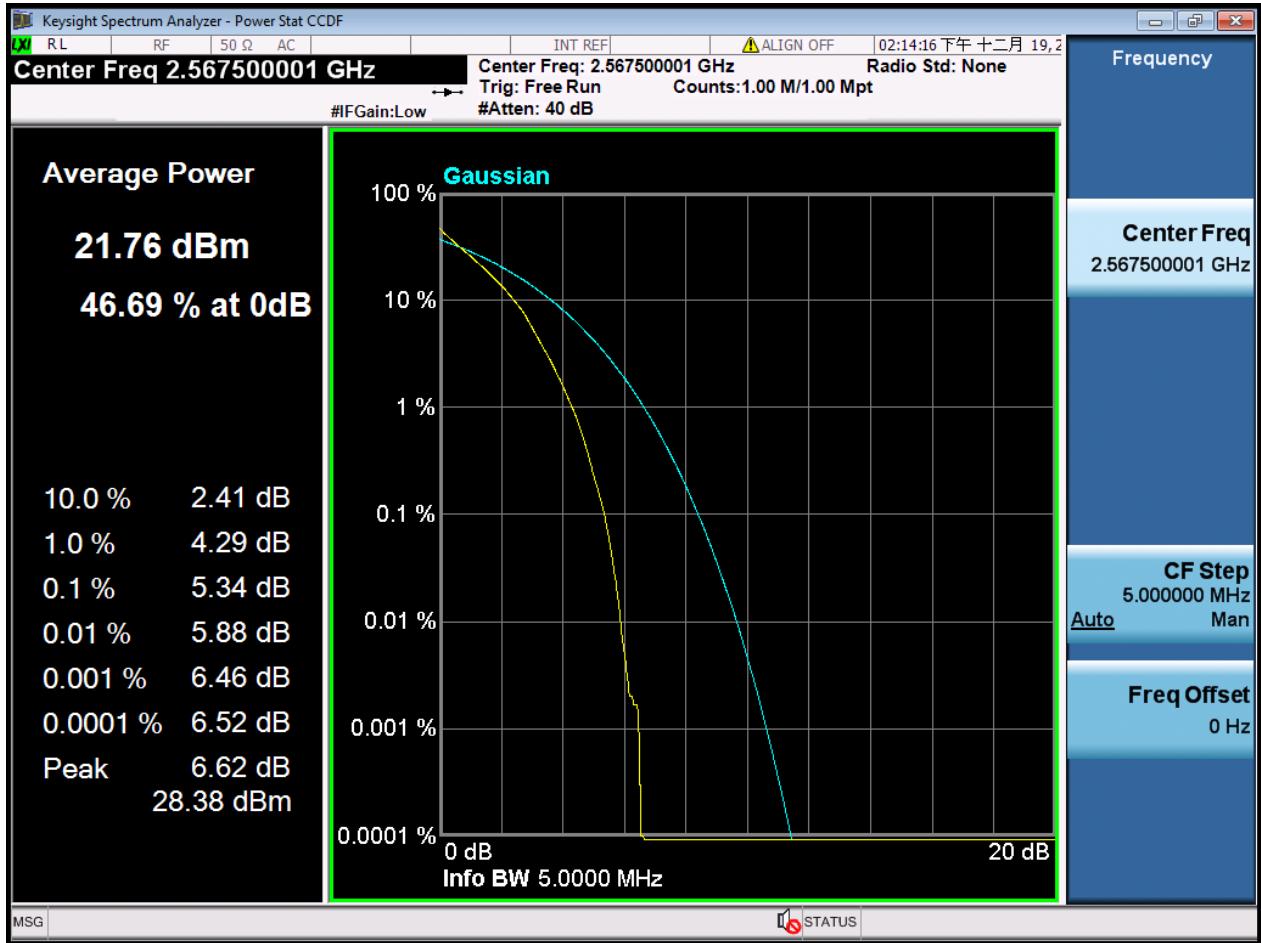
Info BW 5.0000 MHz

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

MSG STATUS

1.32. 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	5.34	13	Pass



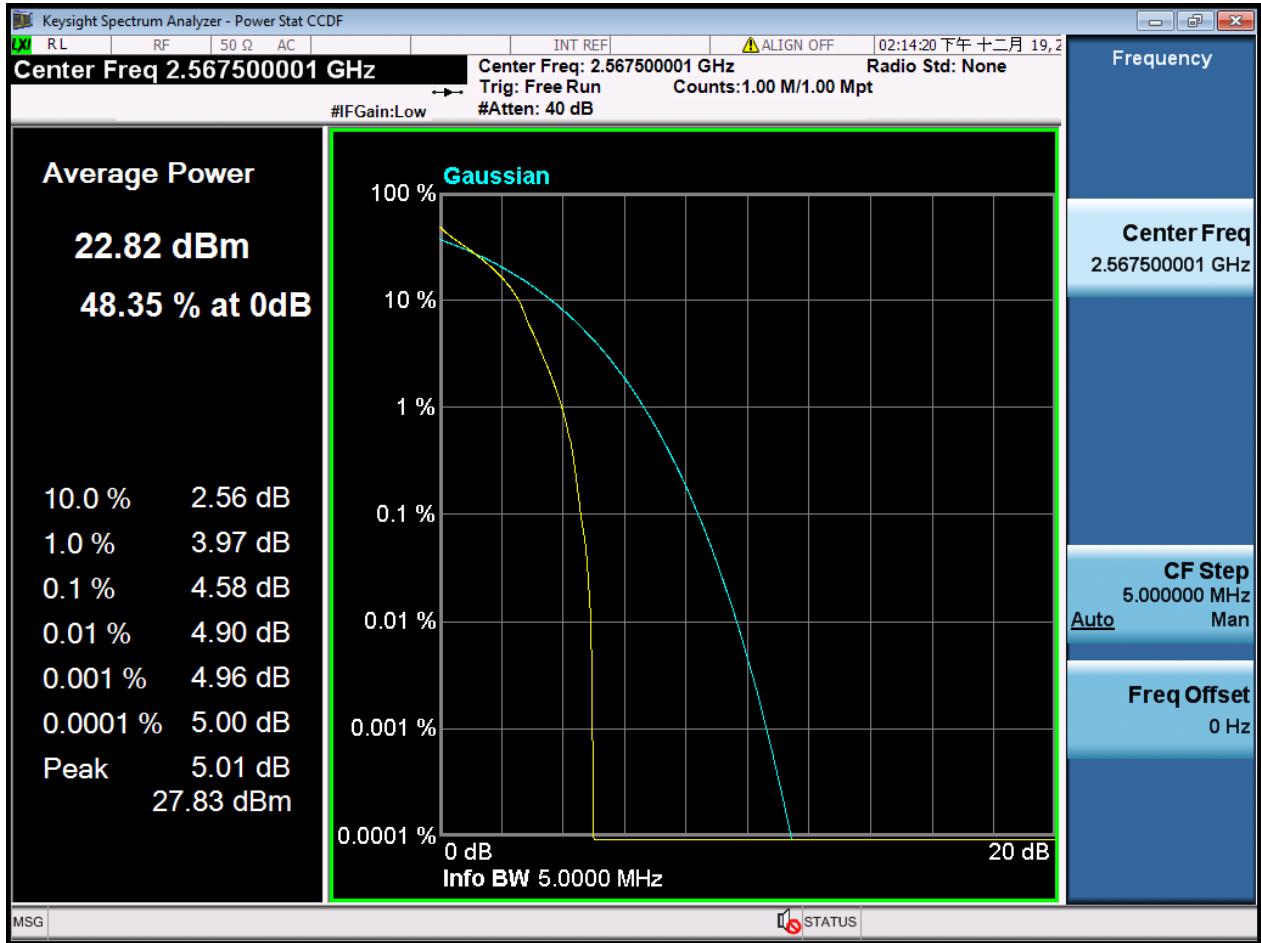
Average Power
21.76 dBm
46.69 % at 0dB

10.0 %	2.41 dB
1.0 %	4.29 dB
0.1 %	5.34 dB
0.01 %	5.88 dB
0.001 %	6.46 dB
0.0001 %	6.52 dB
Peak	6.62 dB
	28.38 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	4.58	13	Pass



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	4.58	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 02:14:24 下午 十二月 19, 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 22.81 dBm
48.49 % at 0dB

10.0 % 2.56 dB
1.0 % 3.97 dB
0.1 % 4.58 dB
0.01 % 4.87 dB
0.001 % 4.97 dB
0.0001 % 5.00 dB
Peak 5.01 dB
27.82 dBm

Gaussian



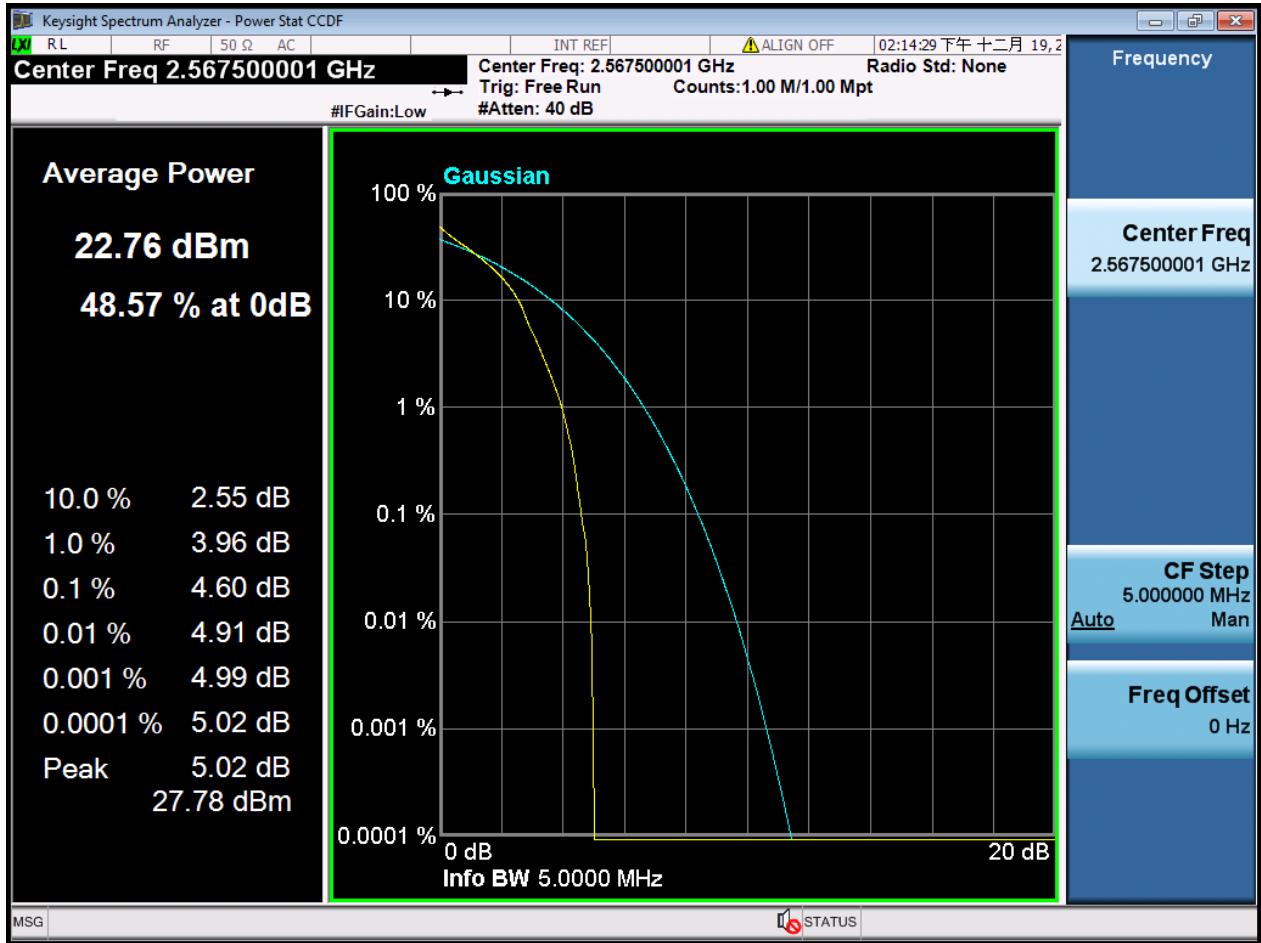
Info BW 5.0000 MHz

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

MSG STATUS

1.35. 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	4.6	13	Pass



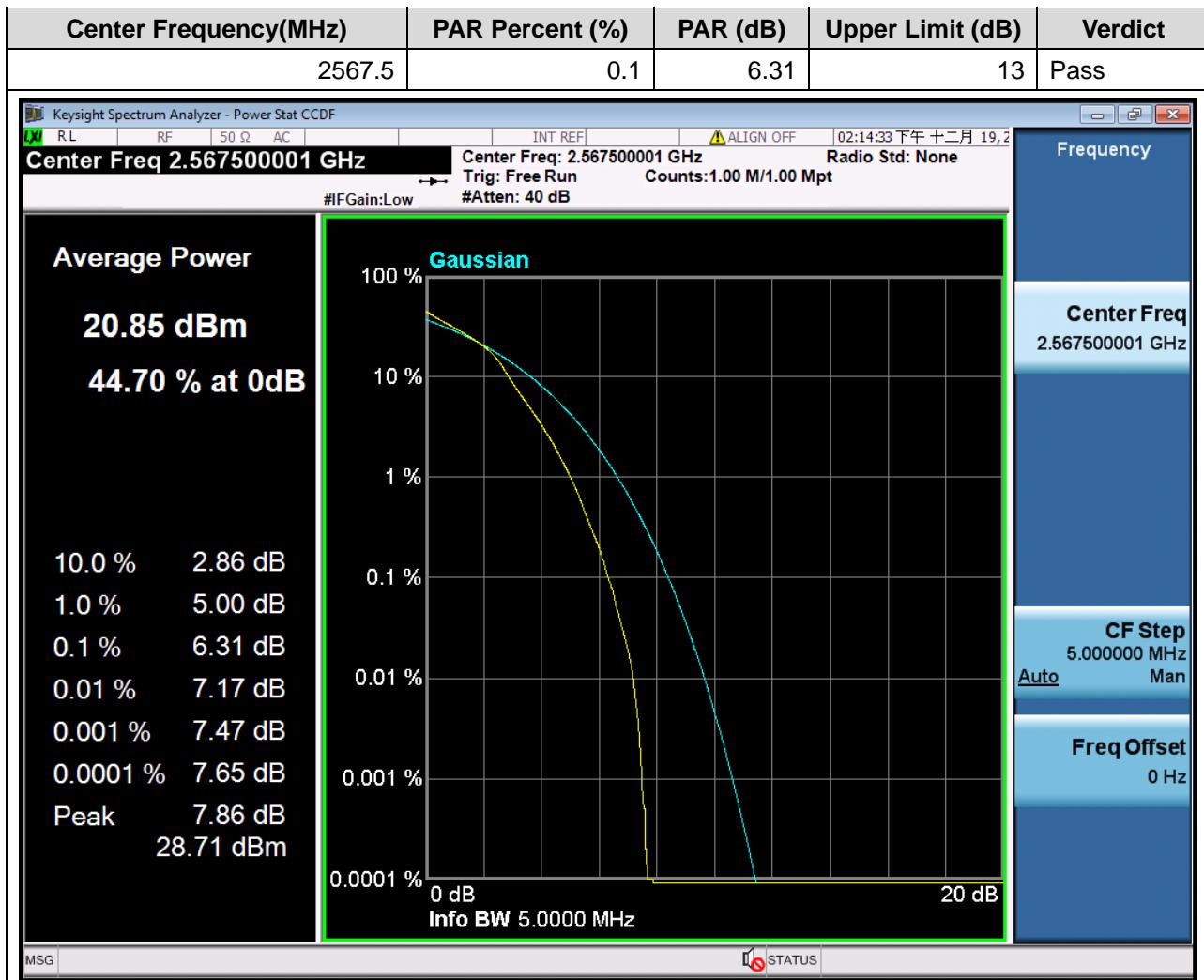
Average Power
22.76 dBm
48.57 % at 0dB

10.0 %	2.55 dB
1.0 %	3.96 dB
0.1 %	4.60 dB
0.01 %	4.91 dB
0.001 %	4.99 dB
0.0001 %	5.02 dB
Peak	5.02 dB
	27.78 dBm

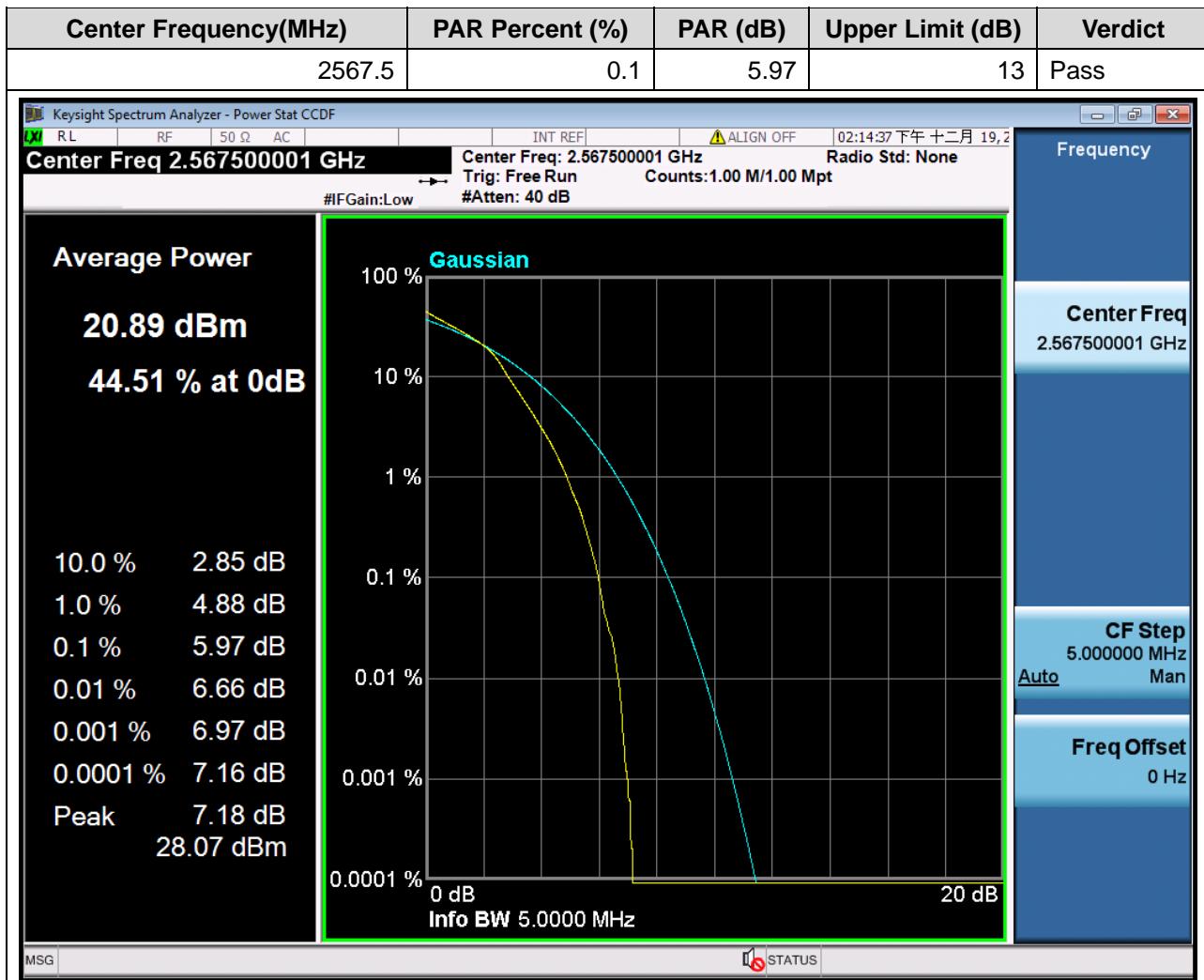
Center Freq 2.567500001 GHz Center Freq: 2.567500001 GHz Radio Std: None
Trig: Free Run Counts: 1.00 M/1.00 Mpt
#IFGain:Low #Atten: 40 dB

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

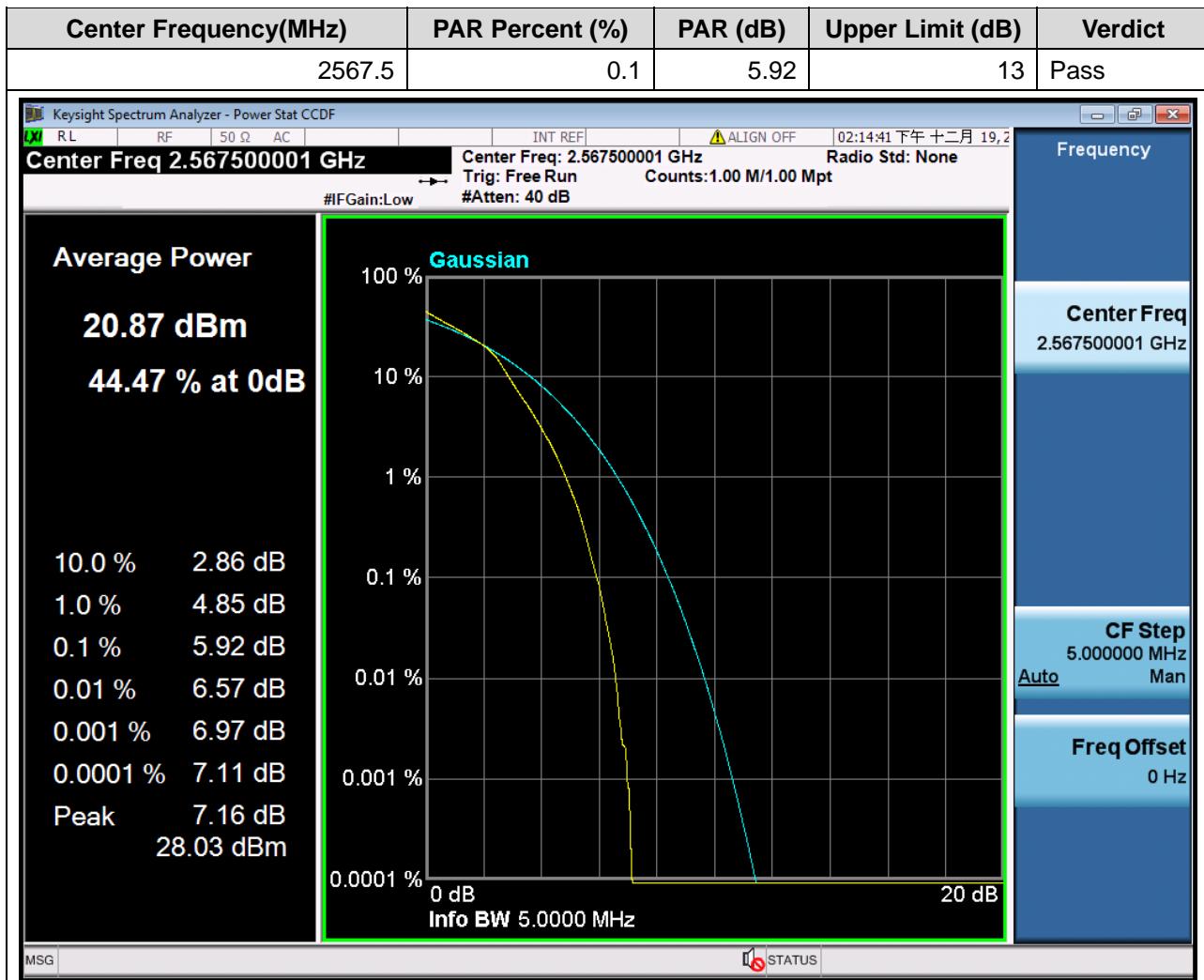
1.36. LTE Peak to Average Ratio(NTNV)(Subtest:36, Channel:21425, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)



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



1.38. LTE Peak to Average Ratio(NTNV)(Subtest:38, Channel:21425, Bandwidth:5, Modulation:Q16, RB Number: 12, RB Position:MID)



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	6.02	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 02:14:45 下午 十二月 19, 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
20.84 dBm
44.31 % at 0dB

10.0 % 2.86 dB
1.0 % 4.92 dB
0.1 % 6.02 dB
0.01 % 6.78 dB
0.001 % 7.13 dB
0.0001 % 7.20 dB
Peak 7.21 dB
28.05 dBm

Gaussian



0.0001 % 0 dB 20 dB
Info BW 5.0000 MHz

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

MSG STATUS

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	5.46	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

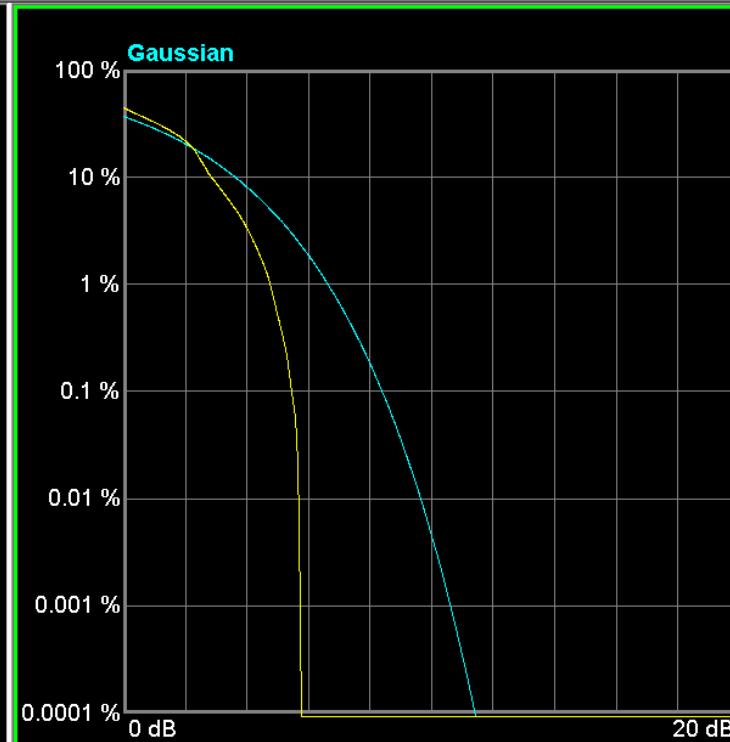
RL RF 50 Ω AC INT REF ALIGN OFF 02:14:49 下午 十二月 19, 2018

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 22.00 dBm
44.29 % at 0dB

10.0 % 2.84 dB
1.0 % 4.76 dB
0.1 % 5.46 dB
0.01 % 5.68 dB
0.001 % 5.73 dB
0.0001 % 5.78 dB
Peak 5.79 dB
27.79 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

1.41. 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	5.47	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 02:14:53 下午 十二月 19, 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
21.96 dBm
44.26 % at 0dB

10.0 % 2.85 dB
1.0 % 4.78 dB
0.1 % 5.47 dB
0.01 % 5.71 dB
0.001 % 5.77 dB
0.0001 % 5.80 dB
Peak 5.86 dB
27.82 dBm

Gaussian



0 dB 20 dB
Info BW 5.0000 MHz

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

MSG STATUS

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	5.5	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 02:14:57 下午 十二月 19, 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
21.95 dBm
44.28 % at 0dB

10.0 % 2.84 dB
1.0 % 4.78 dB
0.1 % 5.50 dB
0.01 % 5.73 dB
0.001 % 5.79 dB
0.0001 % 5.82 dB
Peak 5.82 dB
27.77 dBm

Gaussian



0.0001 % 0 dB 20 dB
Info BW 5.0000 MHz

Frequency
Center Freq 2.567500001 GHz
CF Step 5.000000 MHz 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	5.49	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

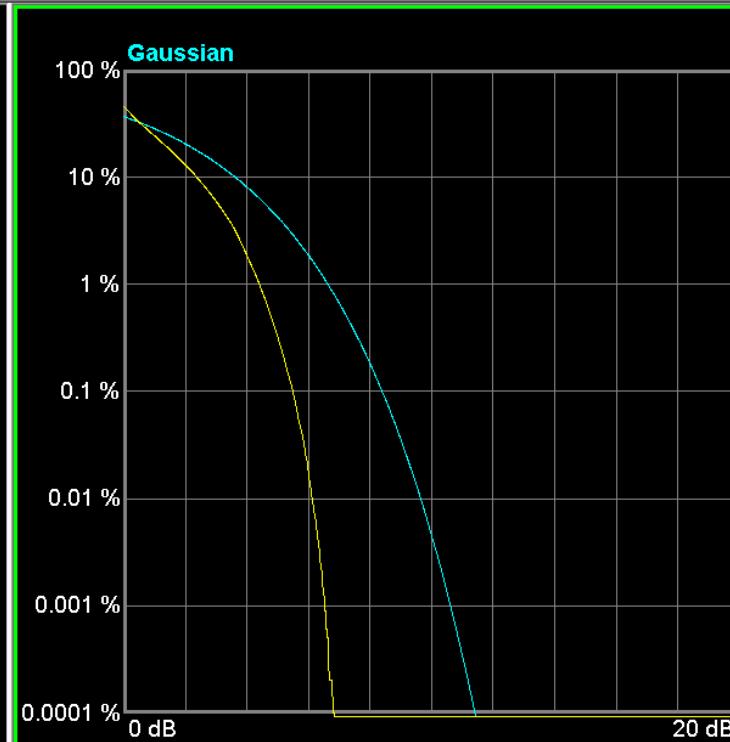
RL RF 50 Ω AC INT REF ALIGN OFF 02:15:06 下午 十二月 19, 2018

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 21.48 dBm
45.48 % at 0dB

10.0 % 2.37 dB
1.0 % 4.40 dB
0.1 % 5.49 dB
0.01 % 6.12 dB
0.001 % 6.54 dB
0.0001 % 6.79 dB
Peak 6.83 dB
28.31 dBm

Gaussian



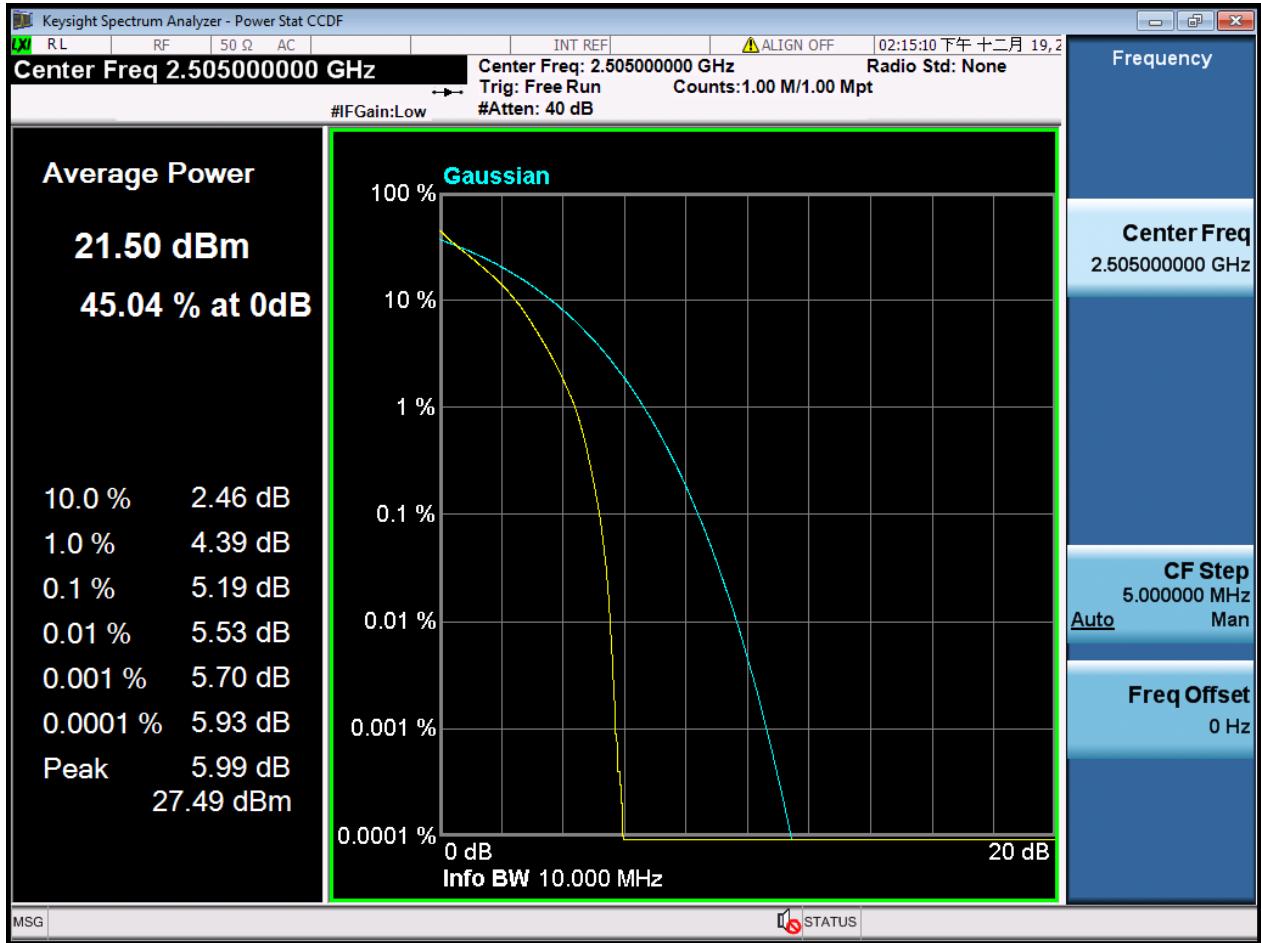
0 dB 20 dB Info BW 10.000 MHz

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

MSG STATUS

1.44. 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	5.18	13	Pass



Average Power
21.50 dBm
45.04 % at 0dB

10.0 %	2.46 dB
1.0 %	4.39 dB
0.1 %	5.19 dB
0.01 %	5.53 dB
0.001 %	5.70 dB
0.0001 %	5.93 dB
Peak	5.99 dB
	27.49 dBm

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	5.08	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 02:15:14 下午 十二月 19, 2014

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

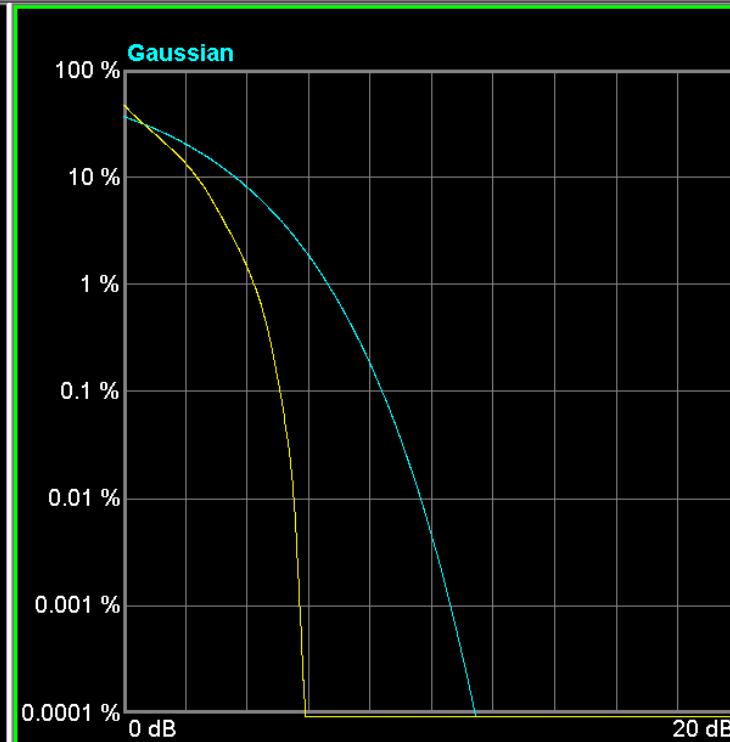
Trig: Free Run Counts: 1.00 M/1.00 Mpt

#IFGain:Low #Atten: 40 dB

Average Power
21.49 dBm
47.10 % at 0dB

10.0 % 2.38 dB
1.0 % 4.23 dB
0.1 % 5.08 dB
0.01 % 5.52 dB
0.001 % 5.72 dB
0.0001 % 5.87 dB
Peak 5.87 dB
27.36 dBm

Gaussian



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

0 dB 20 dB

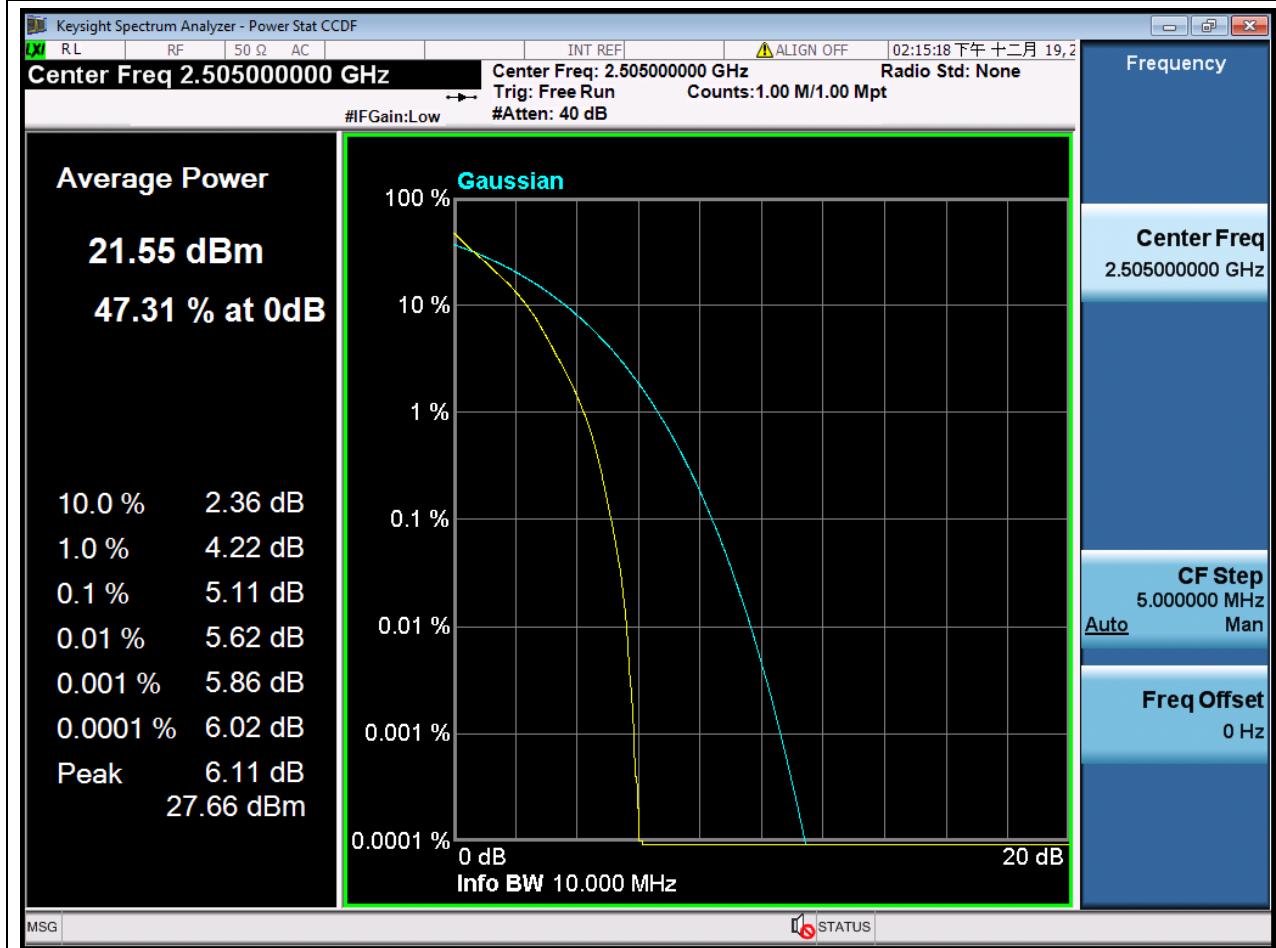
Info BW 10.000 MHz

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

MSG STATUS

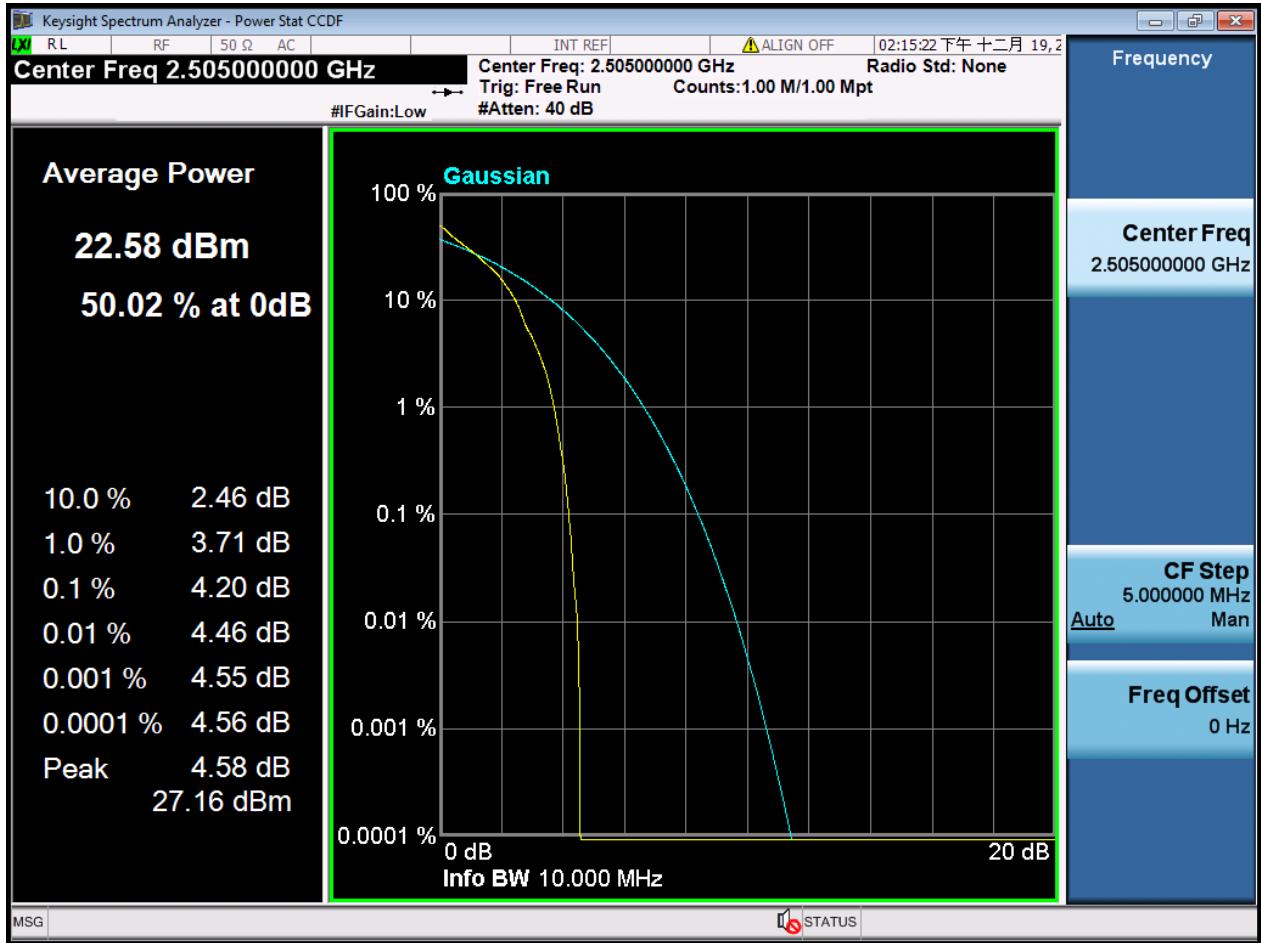
1.46. LTE Peak to Average Ratio(NTNV)(Subtest:46, Channel:20800, Bandwidth:10, Modulation:QPSK, RB Number: 25, RB Position:HIGH)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2505	0.1	5.11	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



Average Power
22.58 dBm
50.02 % at 0dB

10.0 %	2.46 dB
1.0 %	3.71 dB
0.1 %	4.20 dB
0.01 %	4.46 dB
0.001 %	4.55 dB
0.0001 %	4.56 dB
Peak	4.58 dB
	27.16 dBm

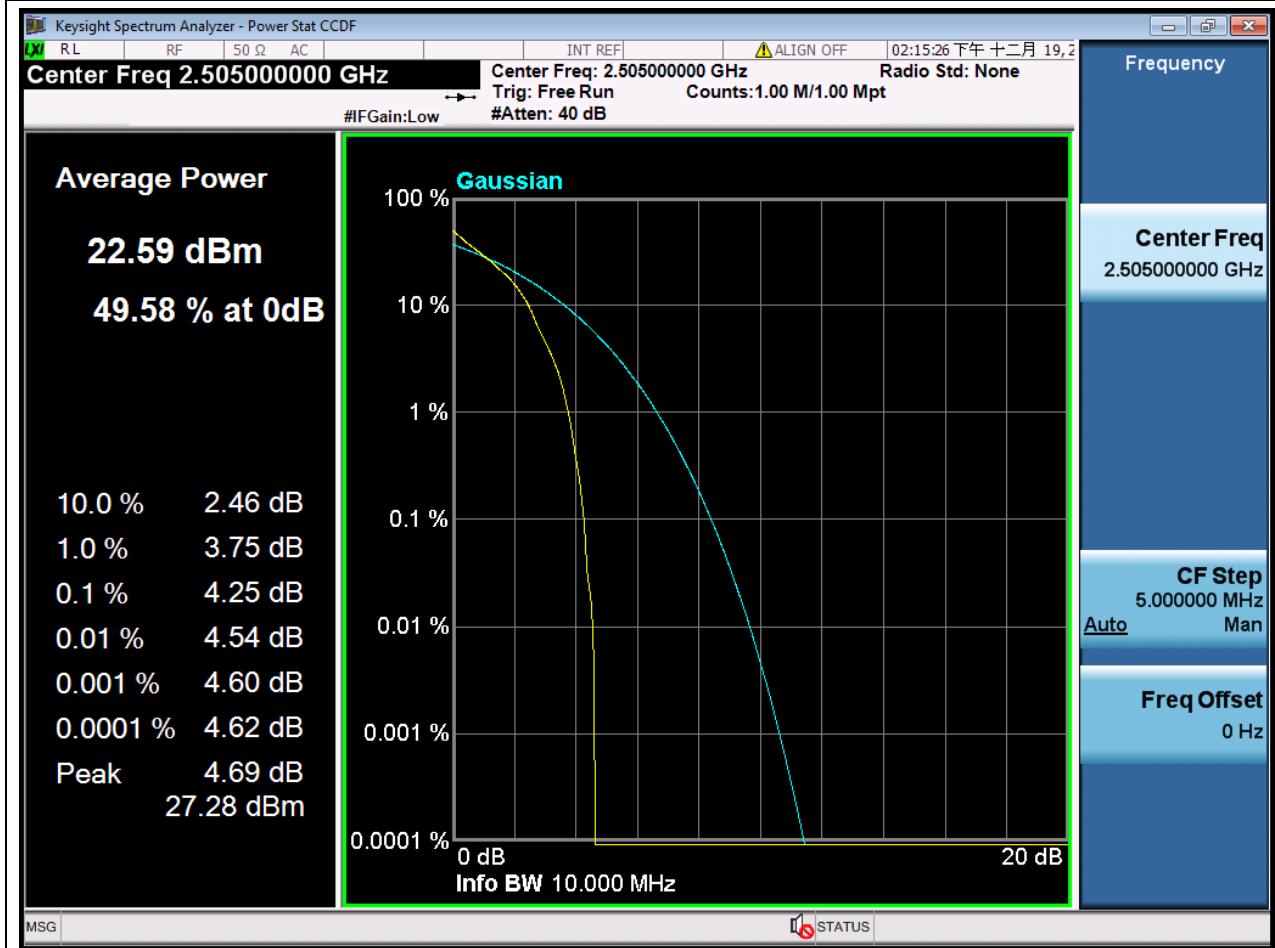
Center Freq 2.505000000 GHz Center Freq: 2.505000000 GHz Radio Std: None
Trig: Free Run Counts: 1.00 M/1.00 Mpt
#IFGain:Low #Atten: 40 dB

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

MSG STATUS

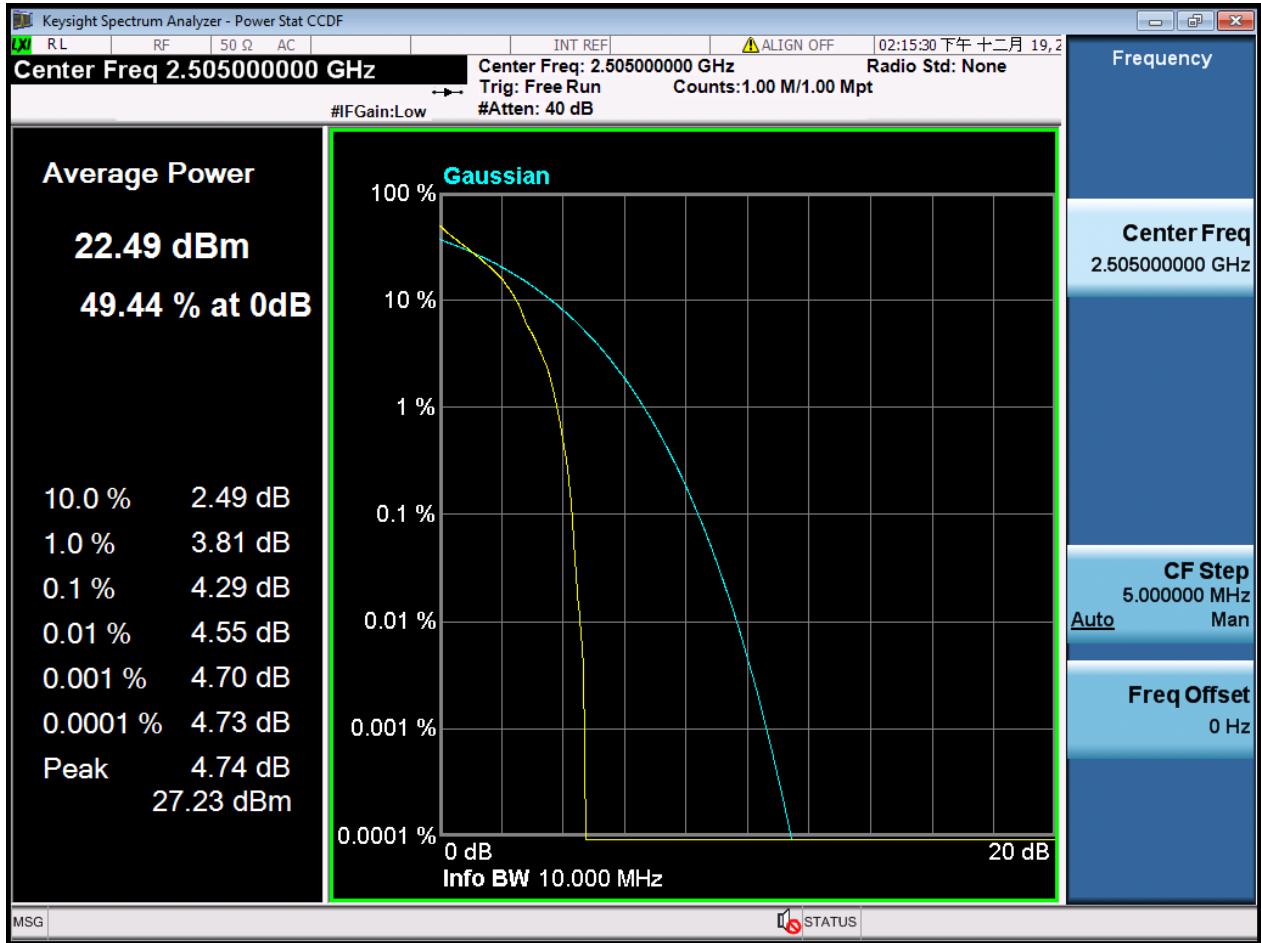
1.48. LTE Peak to Average Ratio(NTNV)(Subtest:48, Channel:20800, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:MID)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2505	0.1	4.25	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	4.29	13	Pass



Average Power
22.49 dBm
49.44 % at 0dB

10.0 %	2.49 dB
1.0 %	3.81 dB
0.1 %	4.29 dB
0.01 %	4.55 dB
0.001 %	4.70 dB
0.0001 %	4.73 dB
Peak	4.74 dB
	27.23 dBm

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	6.06	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 02:15:34 下午 十二月 19, 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
20.56 dBm
44.61 % at 0dB

10.0 % 2.86 dB
1.0 % 4.89 dB
0.1 % 6.06 dB
0.01 % 6.74 dB
0.001 % 7.25 dB
0.0001 % 7.72 dB
Peak 7.74 dB
28.30 dBm

Gaussian

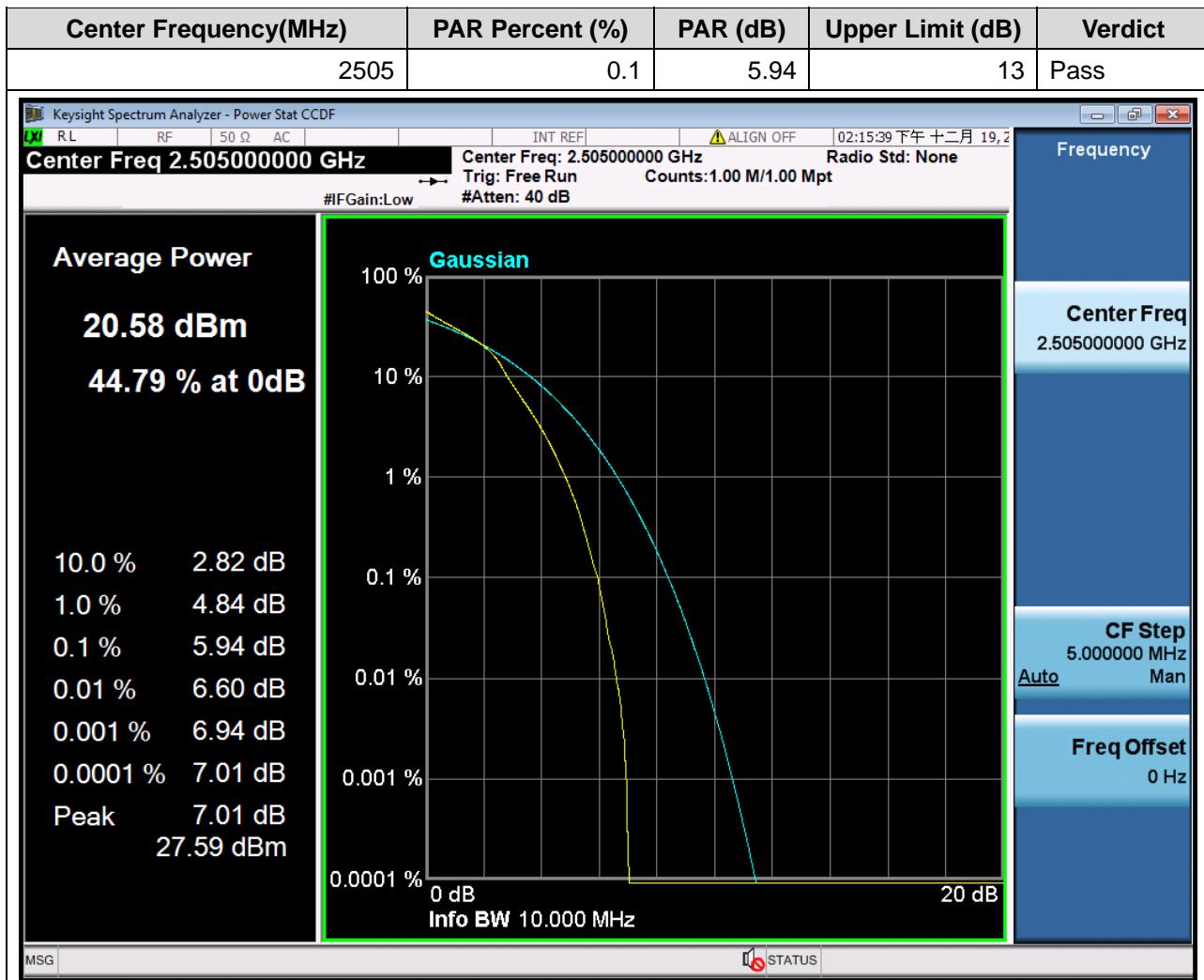


0.0001 % 0 dB 20 dB
Info BW 10.000 MHz

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

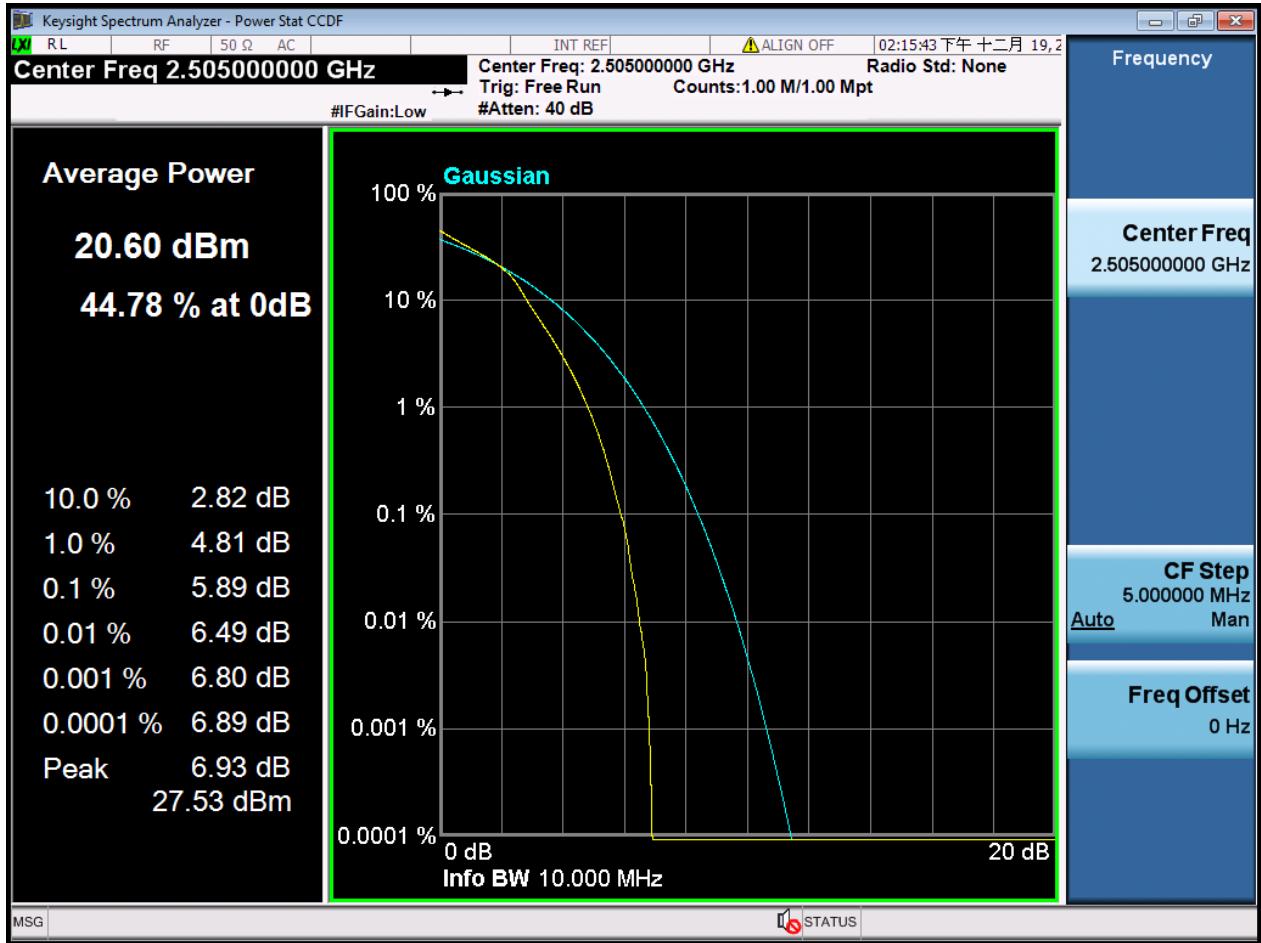
MSG STATUS

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



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	5.89	13	Pass



Average Power
20.60 dBm
44.78 % at 0dB

10.0 %	2.82 dB
1.0 %	4.81 dB
0.1 %	5.89 dB
0.01 %	6.49 dB
0.001 %	6.80 dB
0.0001 %	6.89 dB
Peak	6.93 dB
	27.53 dBm

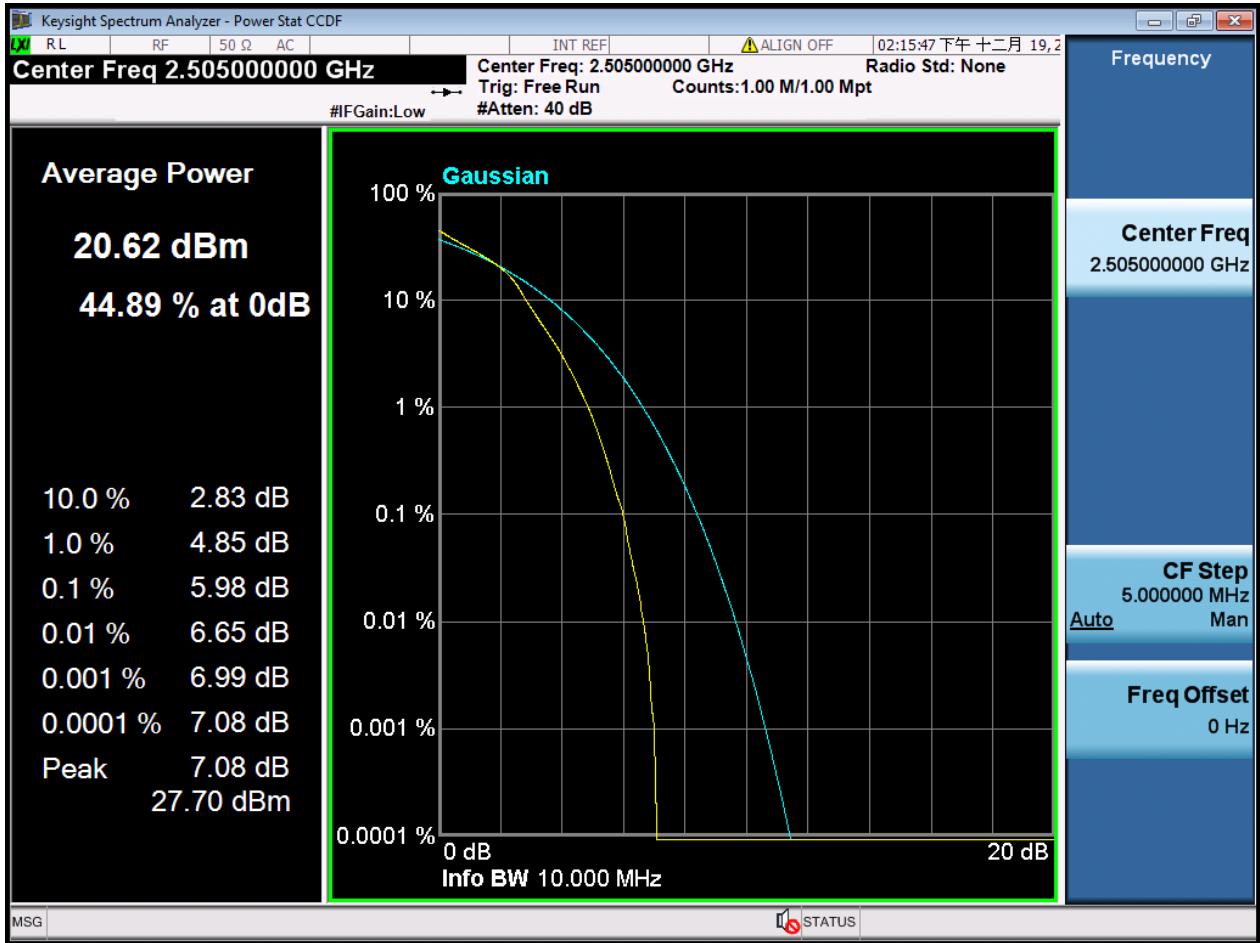
Center Freq 2.505000000 GHz Center Freq: 2.505000000 GHz Radio Std: None
Trig: Free Run Counts: 1.00 M/1.00 Mpt
#IFGain:Low #Atten: 40 dB

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

MSG STATUS

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	5.98	13	Pass



Average Power
20.62 dBm
44.89 % at 0dB

10.0 %	2.83 dB
1.0 %	4.85 dB
0.1 %	5.98 dB
0.01 %	6.65 dB
0.001 %	6.99 dB
0.0001 %	7.08 dB
Peak	7.08 dB
	27.70 dBm

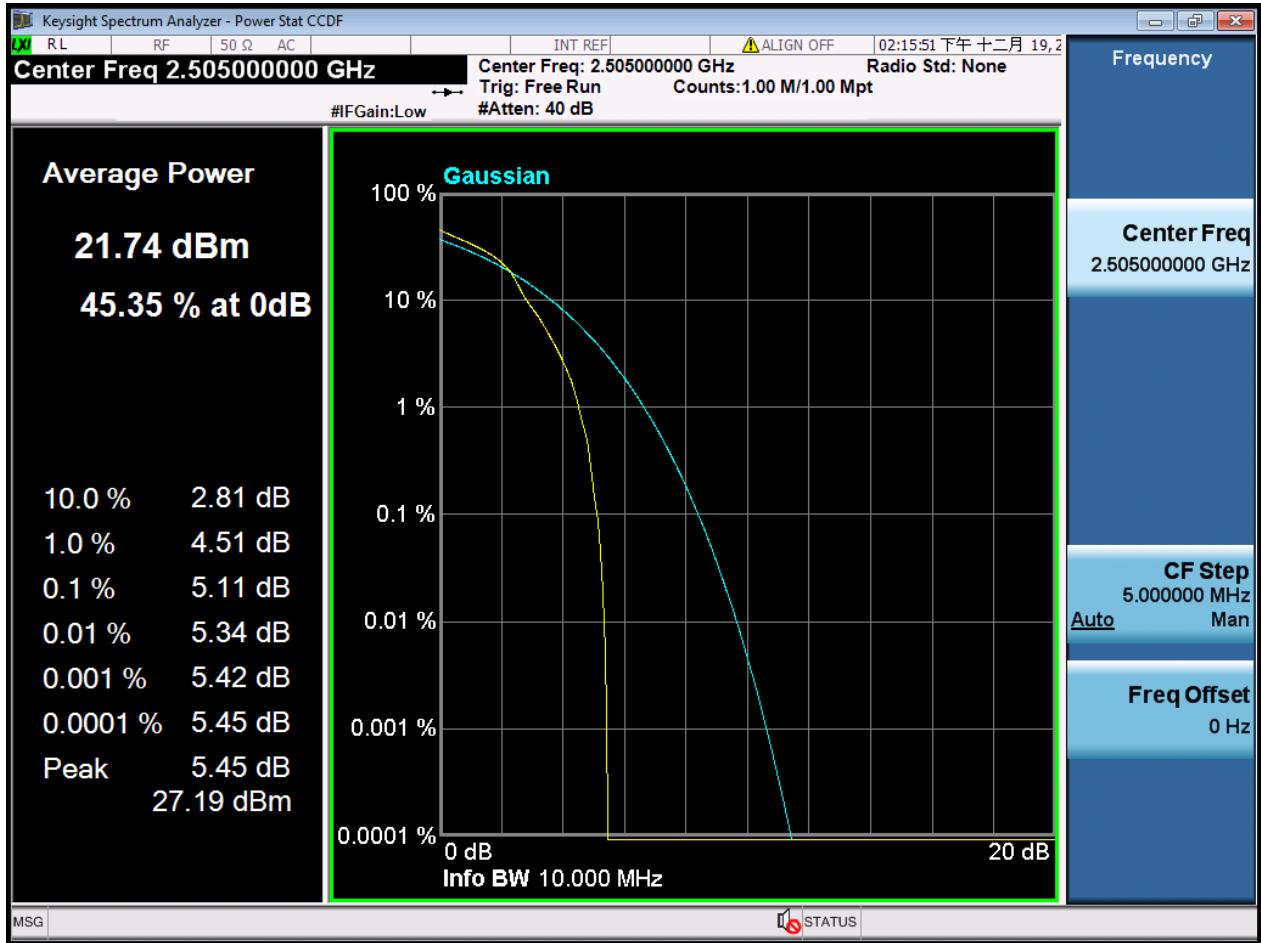
Center Freq 2.505000000 GHz
 Radio Std: None
 Trig: Free Run Counts:1.00 M/1.00 Mpt
 #IFGain:Low #Atten: 40 dB

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

MSG STATUS

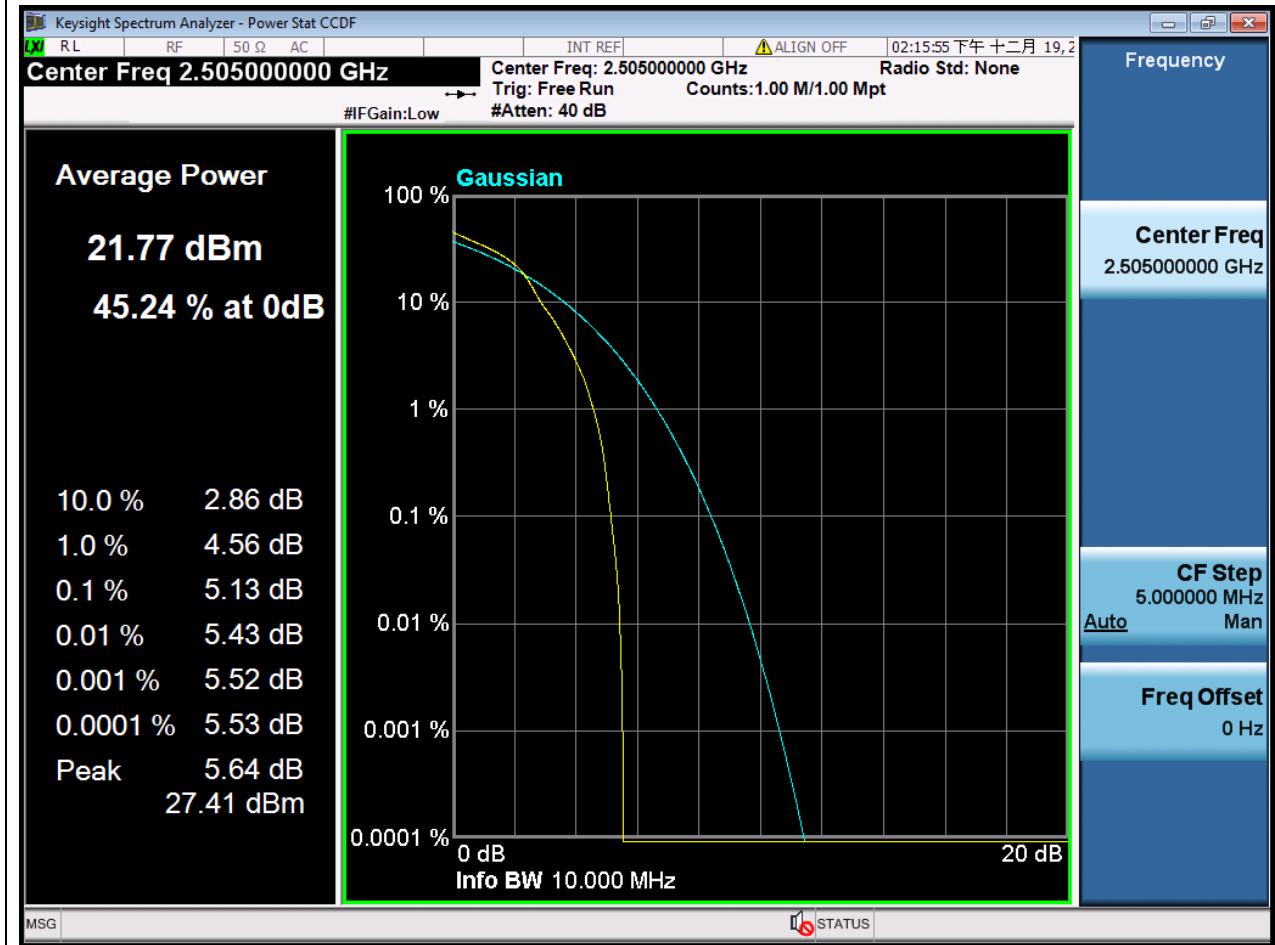
1.54. LTE Peak to Average Ratio(NTNV)(Subtest:54, Channel:20800, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2505	0.1	5.11	13	Pass



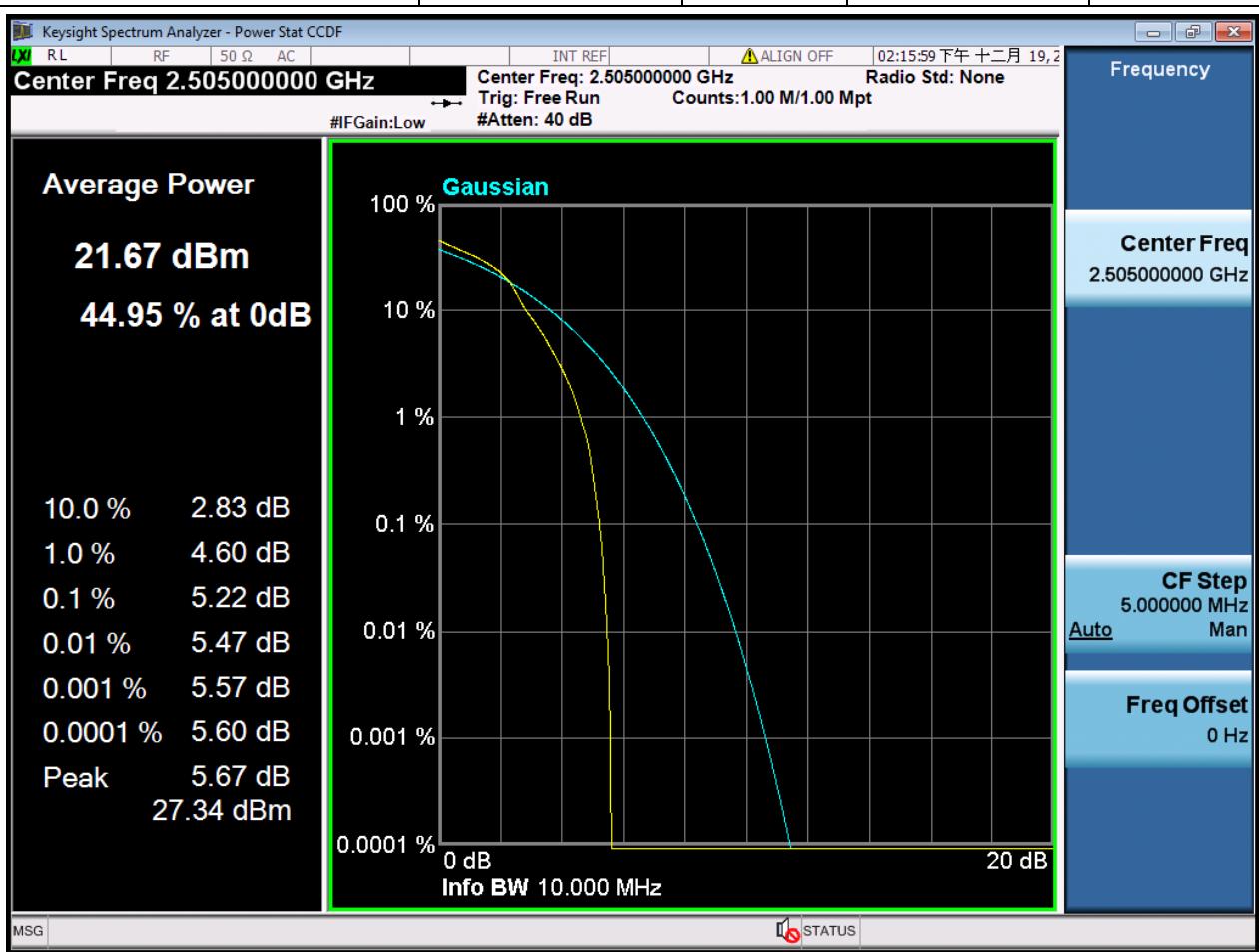
1.55. LTE Peak to Average Ratio(NTNV)(Subtest:55, Channel:20800, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:MID)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2505	0.1	5.13	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	5.22	13	Pass



Average Power
21.67 dBm
44.95 % at 0dB

10.0 %	2.83 dB
1.0 %	4.60 dB
0.1 %	5.22 dB
0.01 %	5.47 dB
0.001 %	5.57 dB
0.0001 %	5.60 dB
Peak	5.67 dB
	27.34 dBm

Center Freq
2.505000000 GHz

CF Step
5.000000 MHz

Freq Offset
0 Hz

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	5.47	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 02:16:06 下午 十二月 19, 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 21.61 dBm
46.38 % at 0dB

10.0 % 2.32 dB
1.0 % 4.38 dB
0.1 % 5.47 dB
0.01 % 6.19 dB
0.001 % 6.59 dB
0.0001 % 6.79 dB
Peak 6.80 dB
28.41 dBm

Gaussian



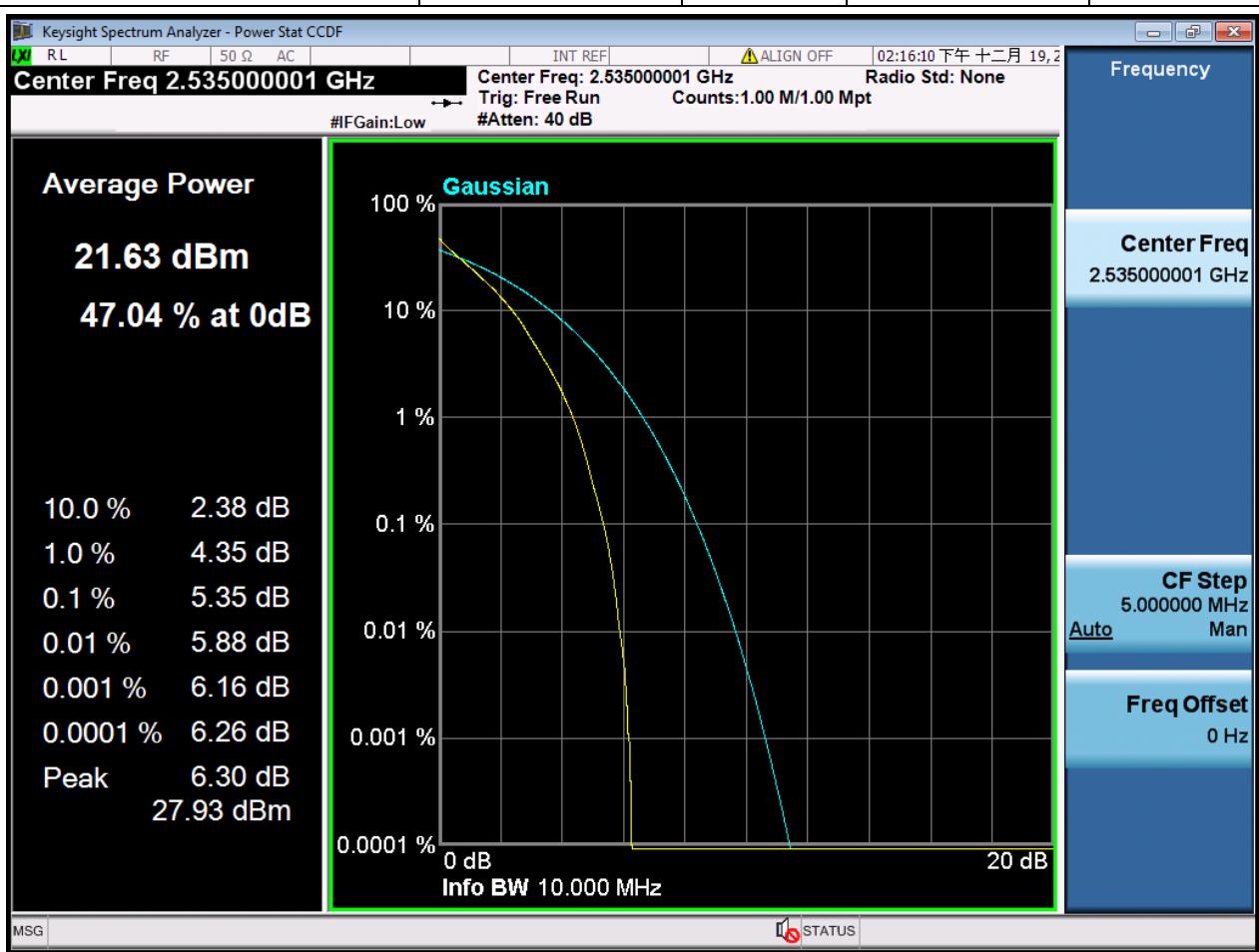
0.0001 % 0 dB 20 dB Info BW 10.000 MHz

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	5.35	13	Pass



Average Power	
21.63 dBm	
47.04 % at 0dB	
10.0 %	2.38 dB
1.0 %	4.35 dB
0.1 %	5.35 dB
0.01 %	5.88 dB
0.001 %	6.16 dB
0.0001 %	6.26 dB
Peak	6.30 dB
	27.93 dBm

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	5.33	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 02:16:14 下午 十二月 19, 2014

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 21.62 dBm
47.12 % at 0dB

10.0 % 2.39 dB
1.0 % 4.36 dB
0.1 % 5.33 dB
0.01 % 5.85 dB
0.001 % 6.10 dB
0.0001 % 6.20 dB
Peak 6.26 dB
27.88 dBm

Gaussian



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

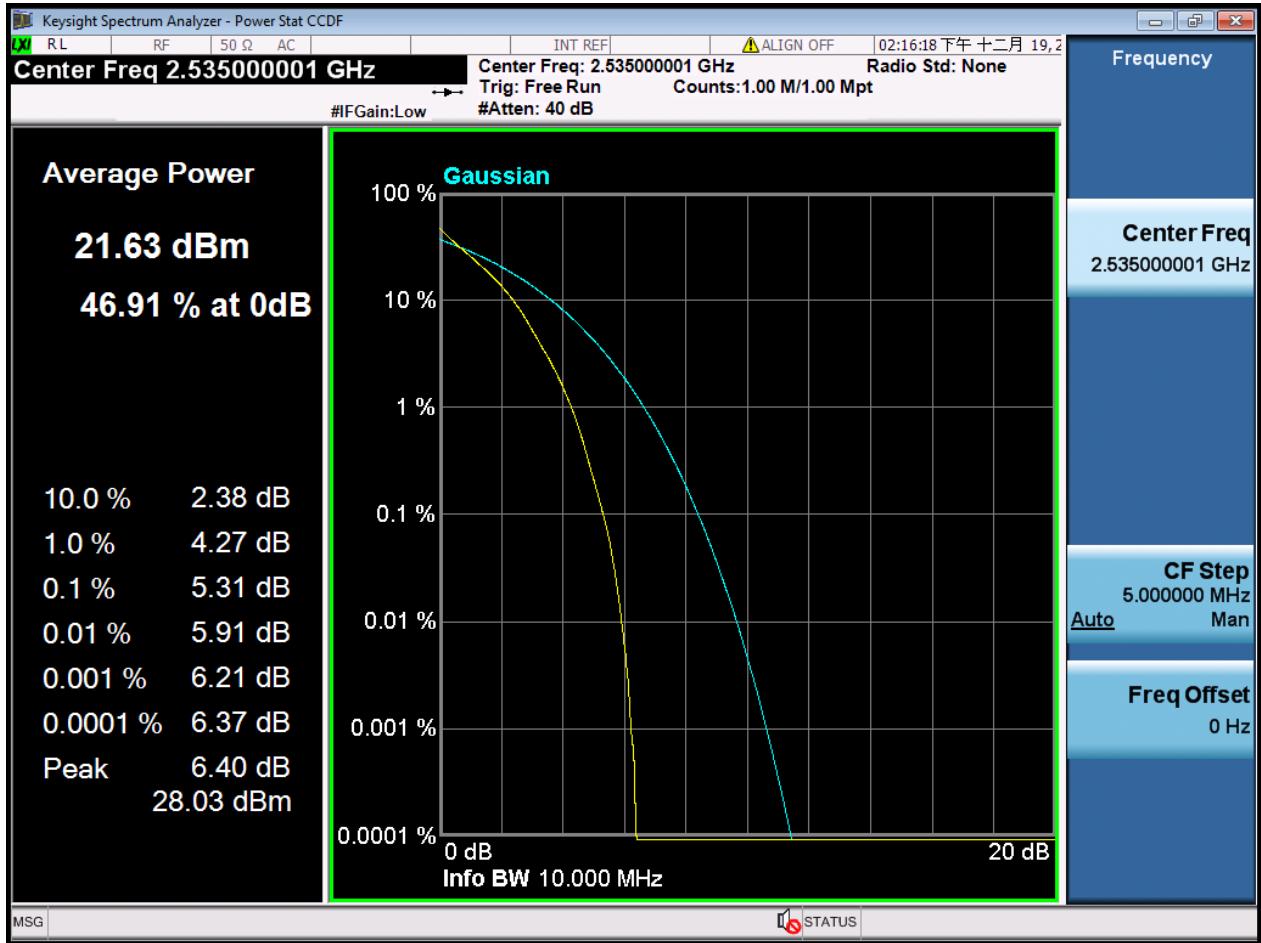
0 dB 20 dB Info BW 10.000 MHz

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

MSG STATUS

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	5.31	13	Pass



Average Power
21.63 dBm
46.91 % at 0dB

10.0 %	2.38 dB
1.0 %	4.27 dB
0.1 %	5.31 dB
0.01 %	5.91 dB
0.001 %	6.21 dB
0.0001 %	6.37 dB
Peak	6.40 dB
	28.03 dBm

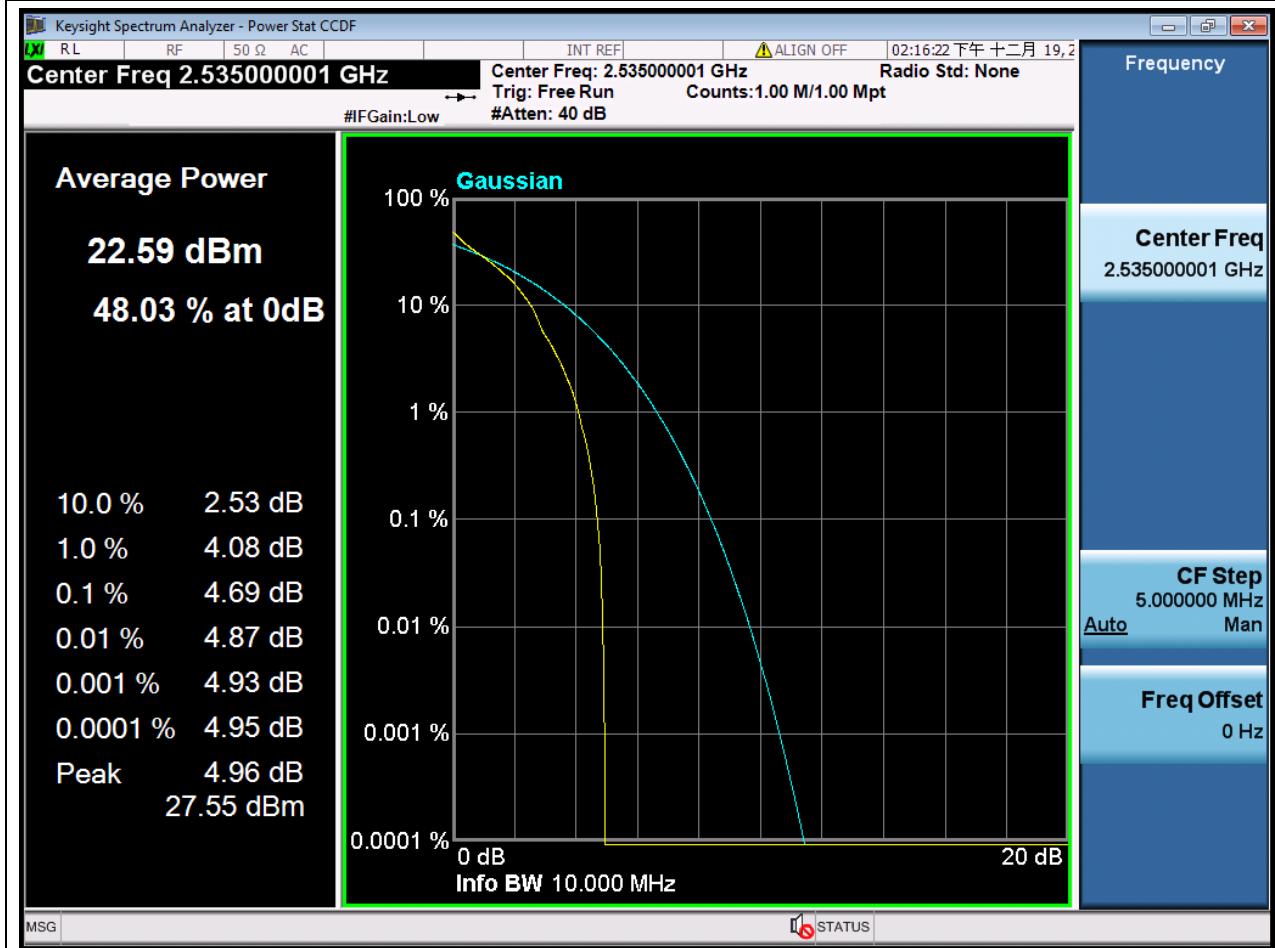
Gaussian
Info BW 10.000 MHz

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

CF Step 5.000000 MHz Man
Auto
Freq Offset 0 Hz

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	4.69	13	Pass



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	4.57	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 02:16:26 下午 十二月 19, 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 22.71 dBm
48.20 % at 0dB

10.0 % 2.51 dB
1.0 % 4.02 dB
0.1 % 4.57 dB
0.01 % 4.83 dB
0.001 % 4.92 dB
0.0001 % 5.29 dB
Peak 5.32 dB
28.03 dBm

Gaussian



Info BW 10.000 MHz

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

MSG STATUS

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	4.62	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 02:16:30 下午 十二月 19, 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 22.58 dBm
48.45 % at 0dB

10.0 % 2.52 dB
1.0 % 4.04 dB
0.1 % 4.62 dB
0.01 % 4.79 dB
0.001 % 4.85 dB
0.0001 % 4.91 dB
Peak 4.91 dB
27.49 dBm

Gaussian



Info BW 10.000 MHz

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

MSG STATUS

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	6.26	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 02:16:34 下午 十二月 19, 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
20.70 dBm
44.22 % at 0dB

10.0 % 2.84 dB
1.0 % 4.99 dB
0.1 % 6.26 dB
0.01 % 6.97 dB
0.001 % 7.59 dB
0.0001 % 7.91 dB
Peak 7.94 dB
28.64 dBm

Gaussian



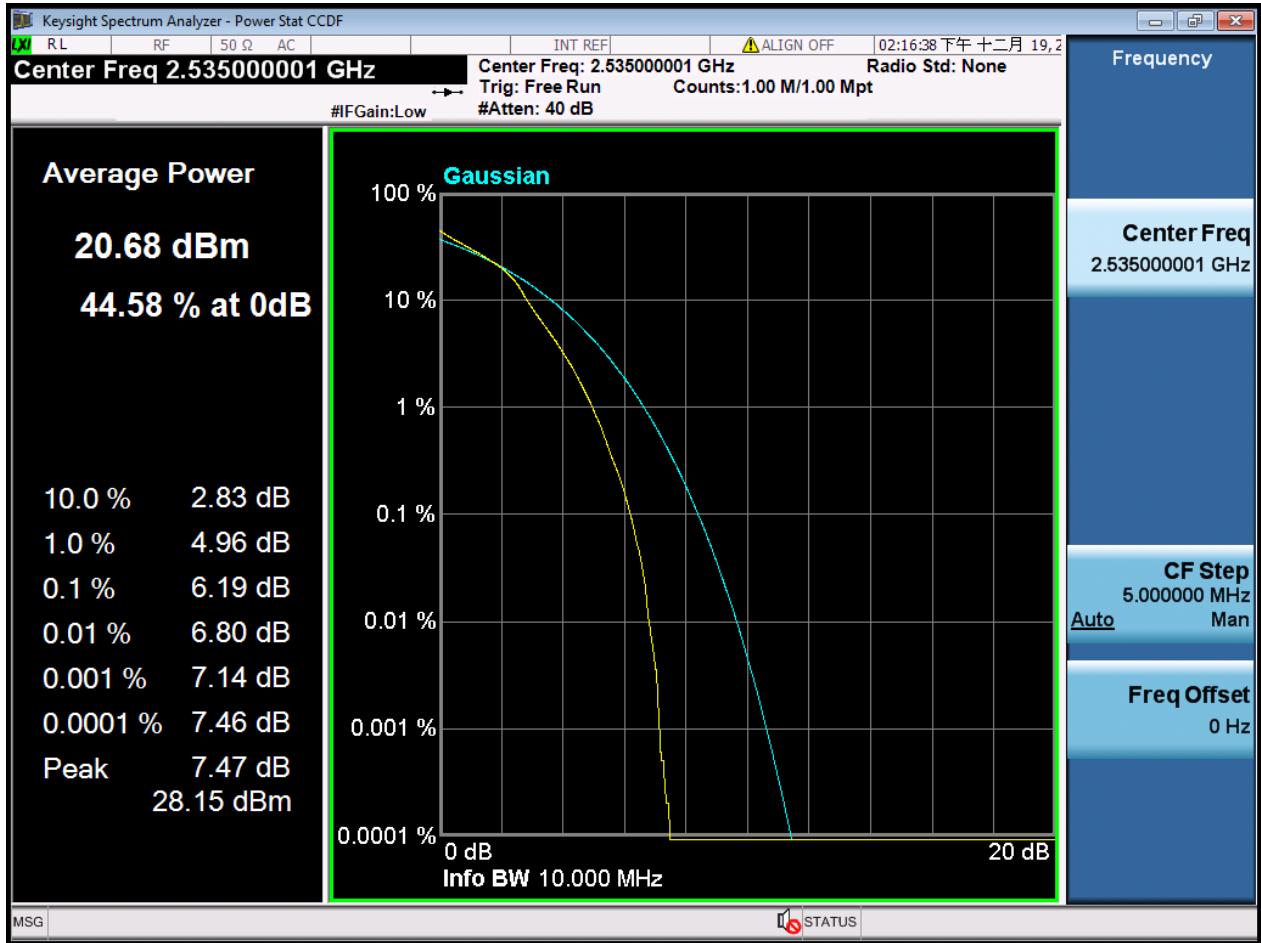
Info BW 10.000 MHz

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

MSG STATUS

1.65. 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	6.19	13	Pass



Average Power
20.68 dBm
44.58 % at 0dB

10.0 %	2.83 dB
1.0 %	4.96 dB
0.1 %	6.19 dB
0.01 %	6.80 dB
0.001 %	7.14 dB
0.0001 %	7.46 dB
Peak	7.47 dB
	28.15 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
Auto
Freq Offset 0 Hz

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	6.15	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 02:16:42 下午 十二月 19, 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
20.69 dBm
44.45 % at 0dB

10.0 % 2.83 dB
1.0 % 4.95 dB
0.1 % 6.15 dB
0.01 % 6.79 dB
0.001 % 7.24 dB
0.0001 % 7.34 dB
Peak 7.35 dB
28.04 dBm

Gaussian



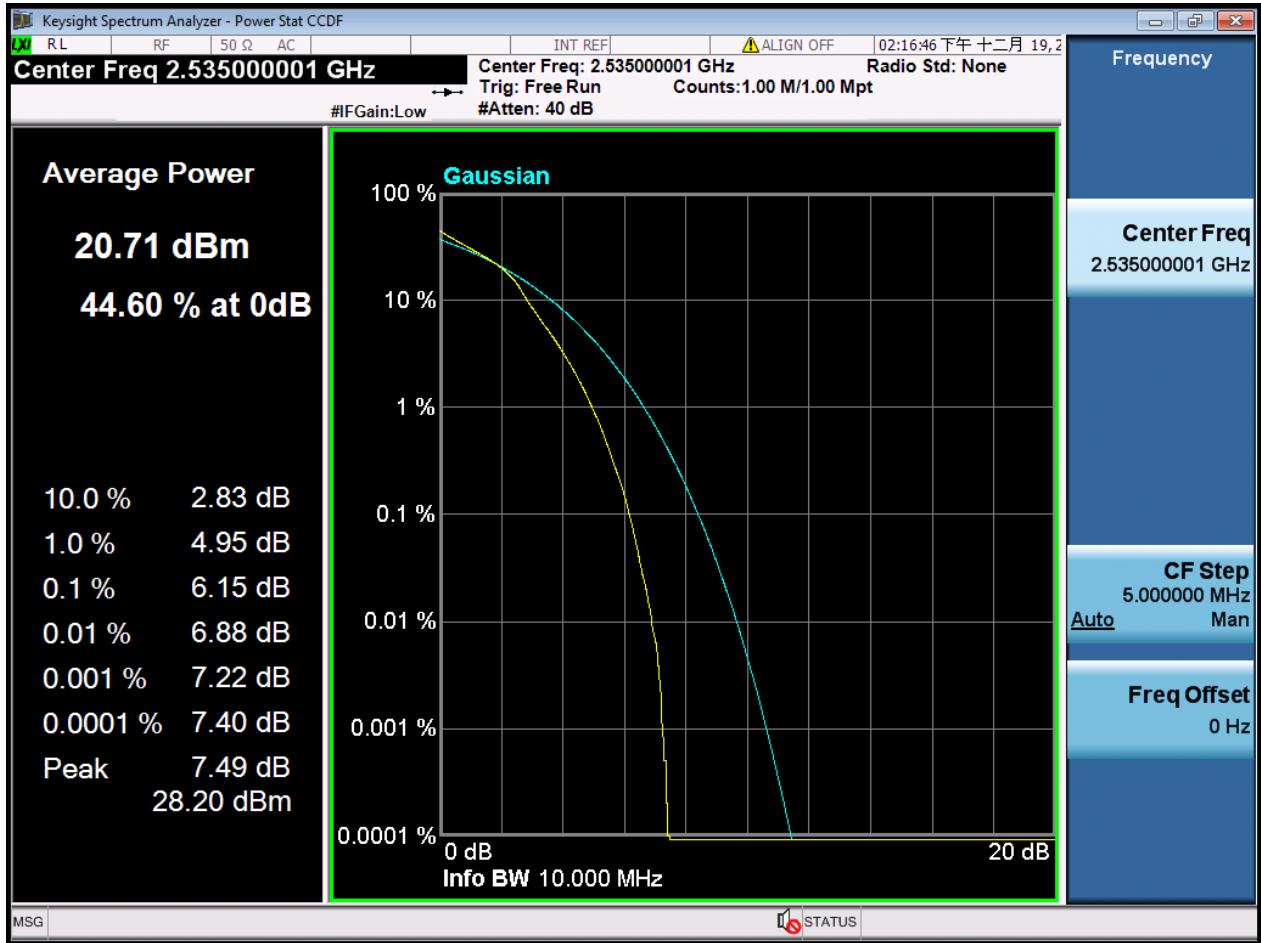
0.0001 % 0 dB 20 dB
Info BW 10.000 MHz

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	6.15	13	Pass



Percentage	Power Level (dBm)
10.0 %	2.83 dB
1.0 %	4.95 dB
0.1 %	6.15 dB
0.01 %	6.88 dB
0.001 %	7.22 dB
0.0001 %	7.40 dB
Peak	7.49 dB
	28.20 dBm

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	5.6	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

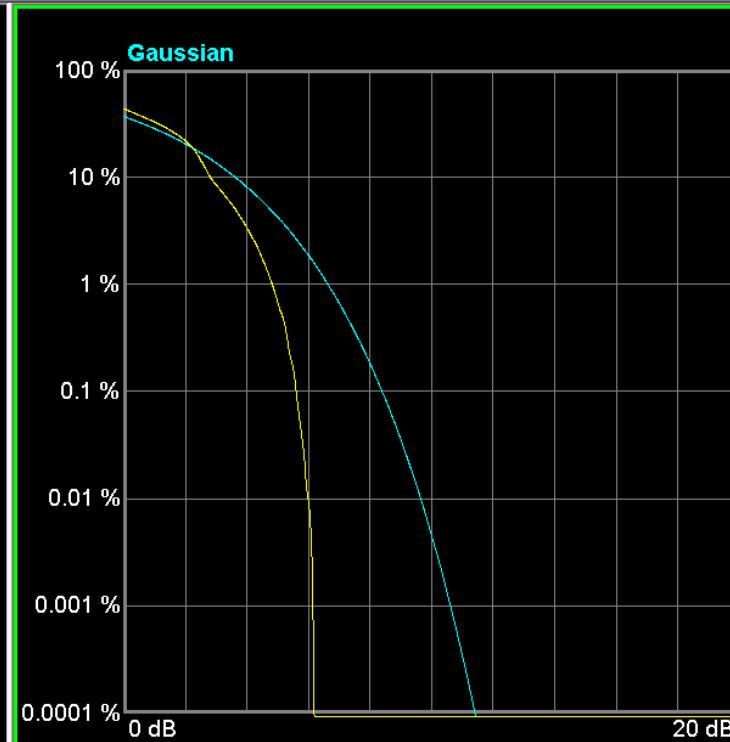
RL RF 50 Ω AC INT REF ALIGN OFF 02:16:51 下午 十二月 19, 2018

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 21.77 dBm
43.88 % at 0dB

10.0 % 2.81 dB
1.0 % 4.82 dB
0.1 % 5.60 dB
0.01 % 5.98 dB
0.001 % 6.14 dB
0.0001 % 6.18 dB
Peak 6.20 dB
27.97 dBm

Gaussian



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

1.69. 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	5.53	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

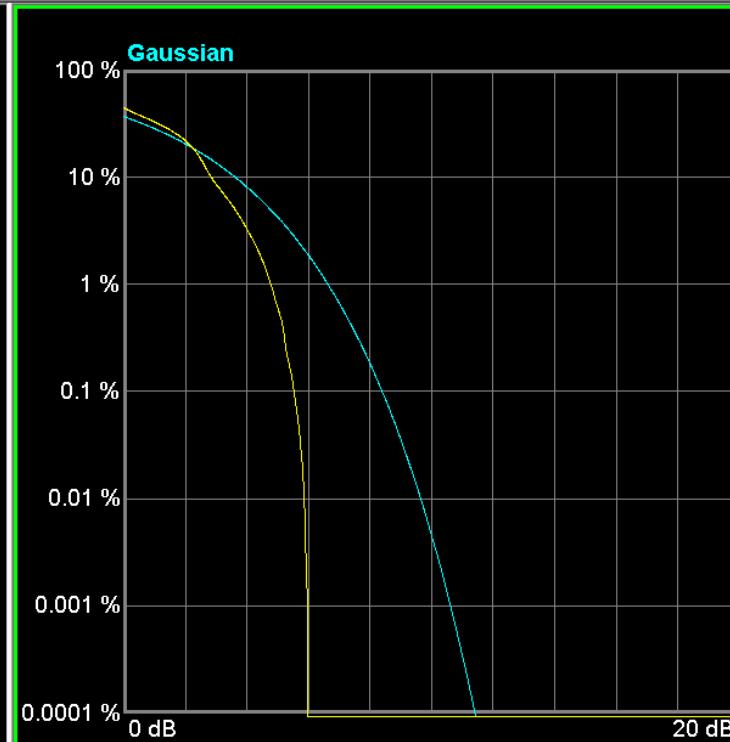
RL RF 50 Ω AC INT REF ALIGN OFF 02:16:55 下午 十二月 19, 2018

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 21.87 dBm
44.28 % at 0dB

10.0 % 2.84 dB
1.0 % 4.78 dB
0.1 % 5.53 dB
0.01 % 5.86 dB
0.001 % 5.95 dB
0.0001 % 5.97 dB
Peak 6.00 dB
27.87 dBm

Gaussian



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

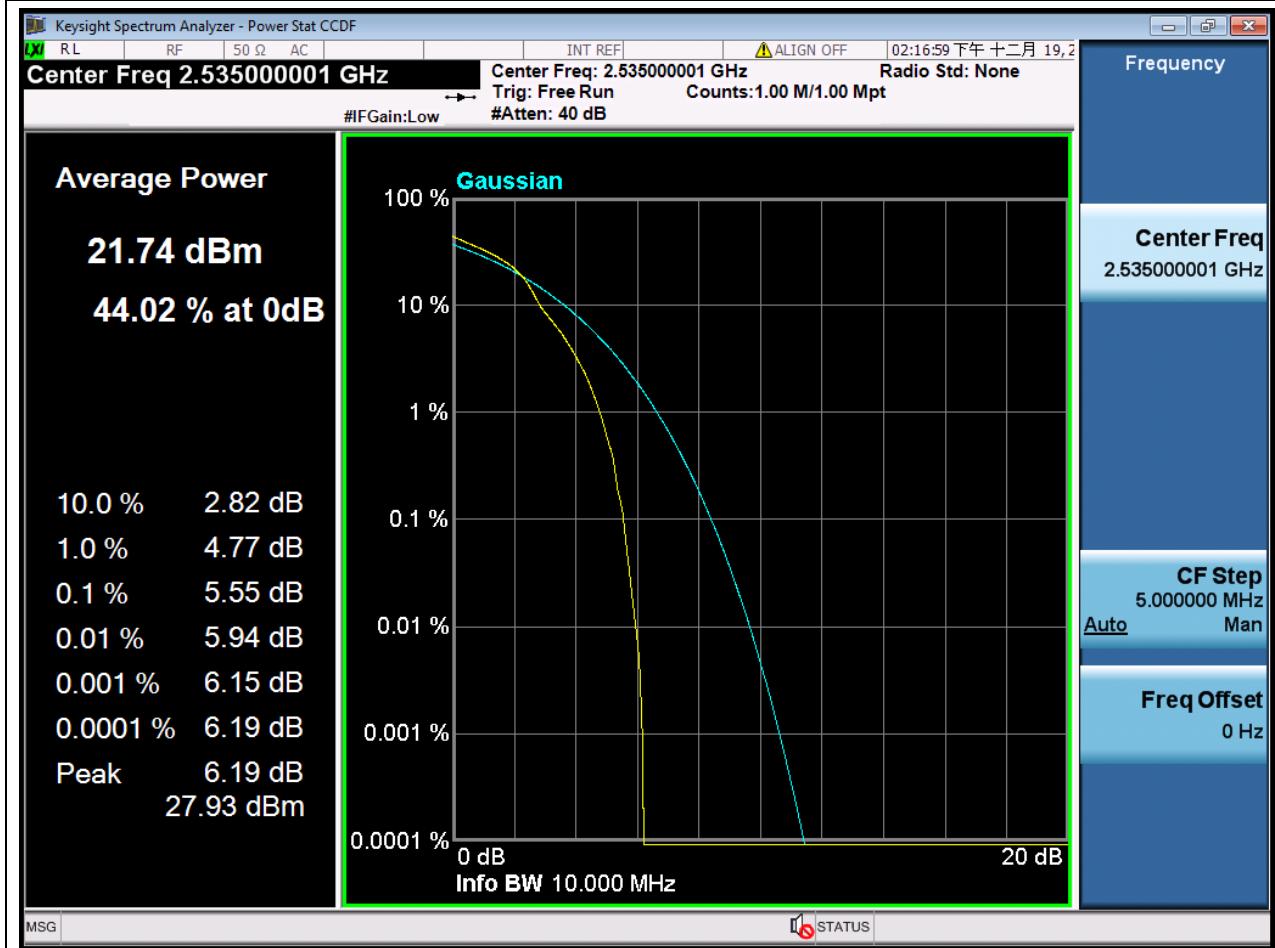
0 dB 20 dB Info BW 10.000 MHz

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

MSG STATUS

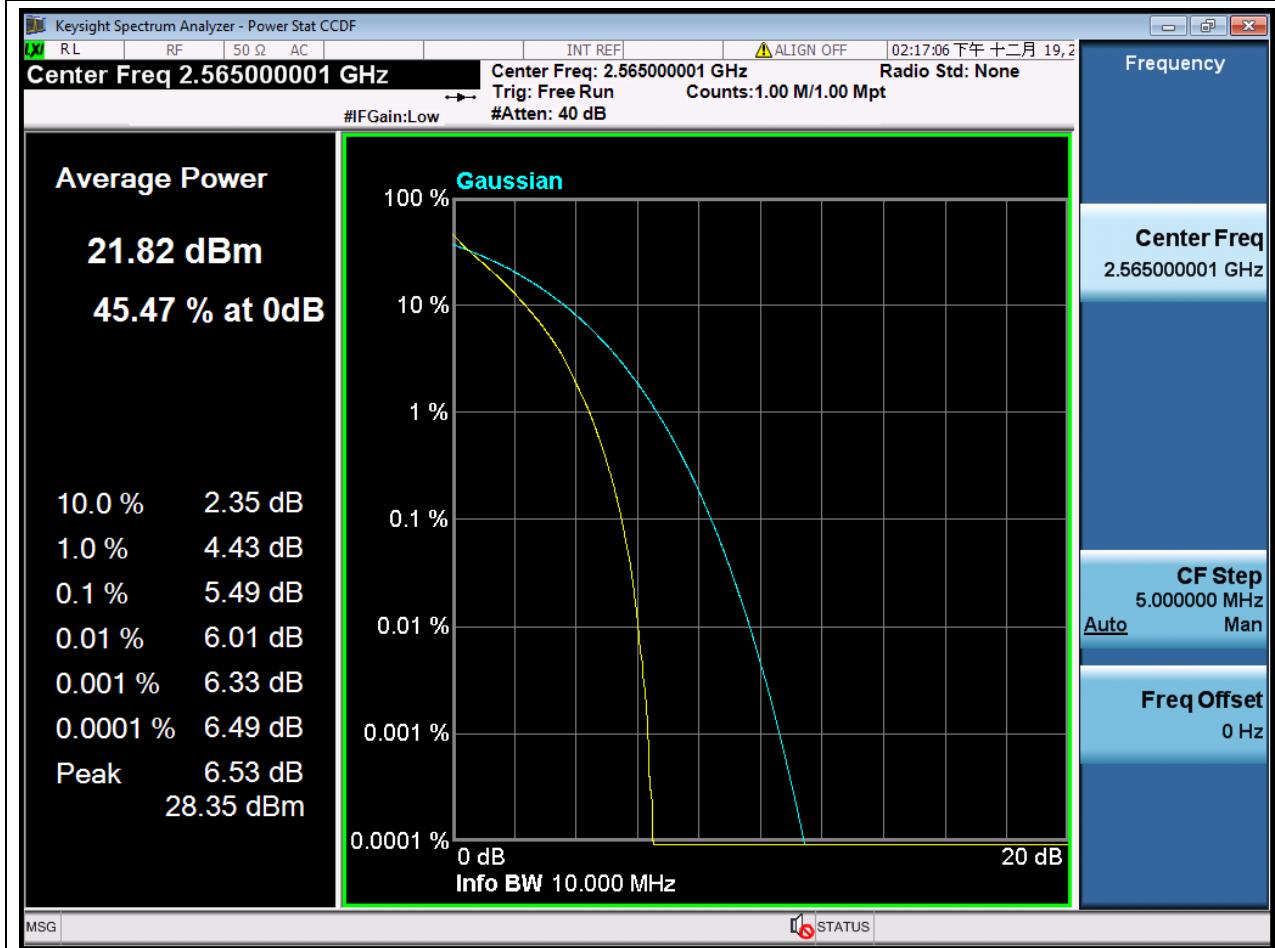
1.70. LTE Peak to Average Ratio(NTNV)(Subtest:70, Channel:21100, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:HIGH)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2535	0.1	5.55	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	5.49	13	Pass



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	5.19	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 02:17:10 下午 十二月 19, 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 21.89 dBm
46.73 % at 0dB

10.0 % 2.40 dB
1.0 % 4.33 dB
0.1 % 5.19 dB
0.01 % 5.63 dB
0.001 % 5.81 dB
0.0001 % 5.85 dB
Peak 5.85 dB
27.74 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 2.565000001 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	5.26	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 02:17:14 下午 十二月 19, 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 21.81 dBm
45.45 % at 0dB

10.0 % 2.44 dB
1.0 % 4.43 dB
0.1 % 5.26 dB
0.01 % 5.63 dB
0.001 % 5.76 dB
0.0001 % 5.84 dB
Peak 5.86 dB
27.67 dBm

Gaussian



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

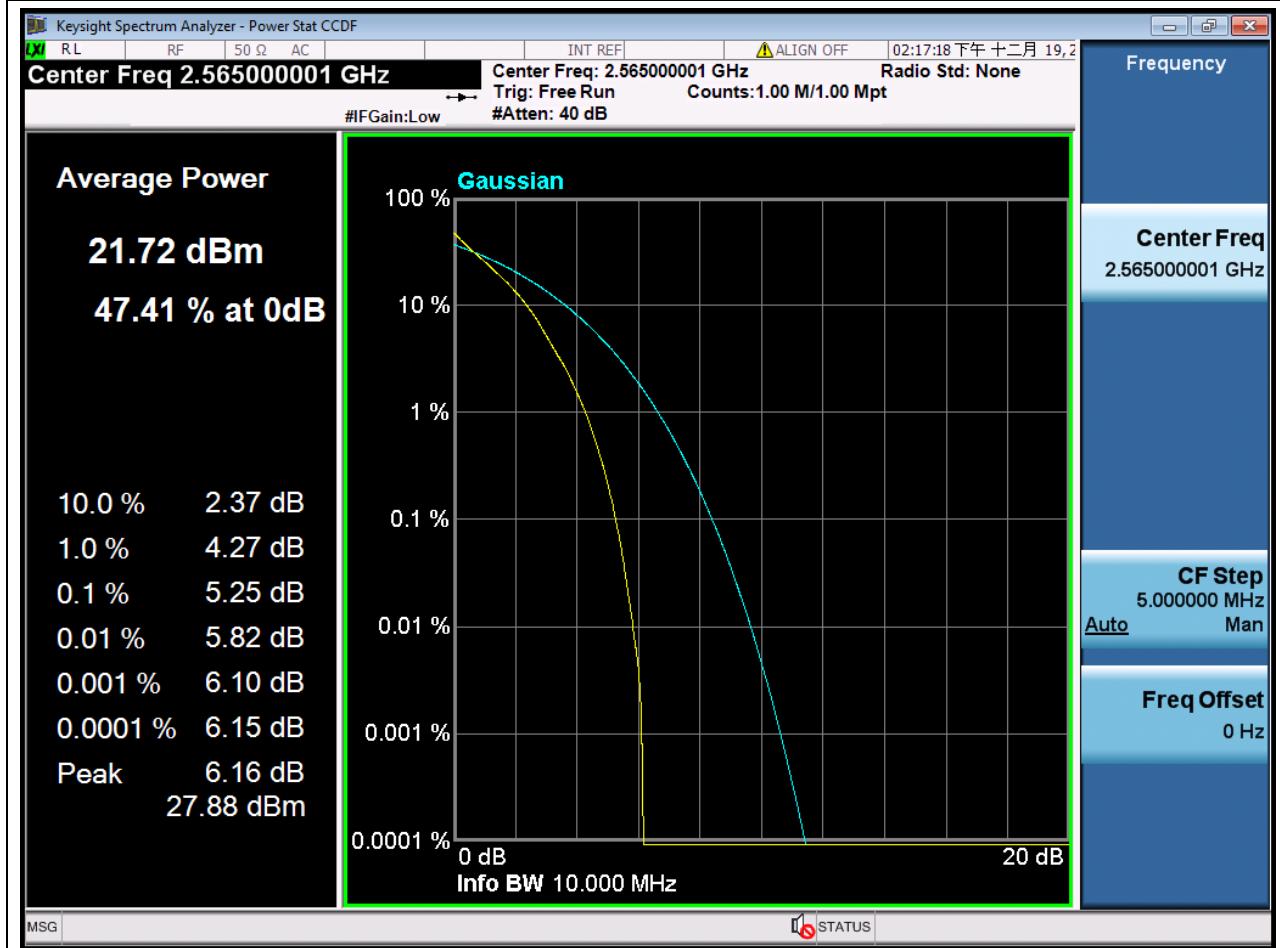
0 dB 20 dB Info BW 10.000 MHz

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

MSG STATUS

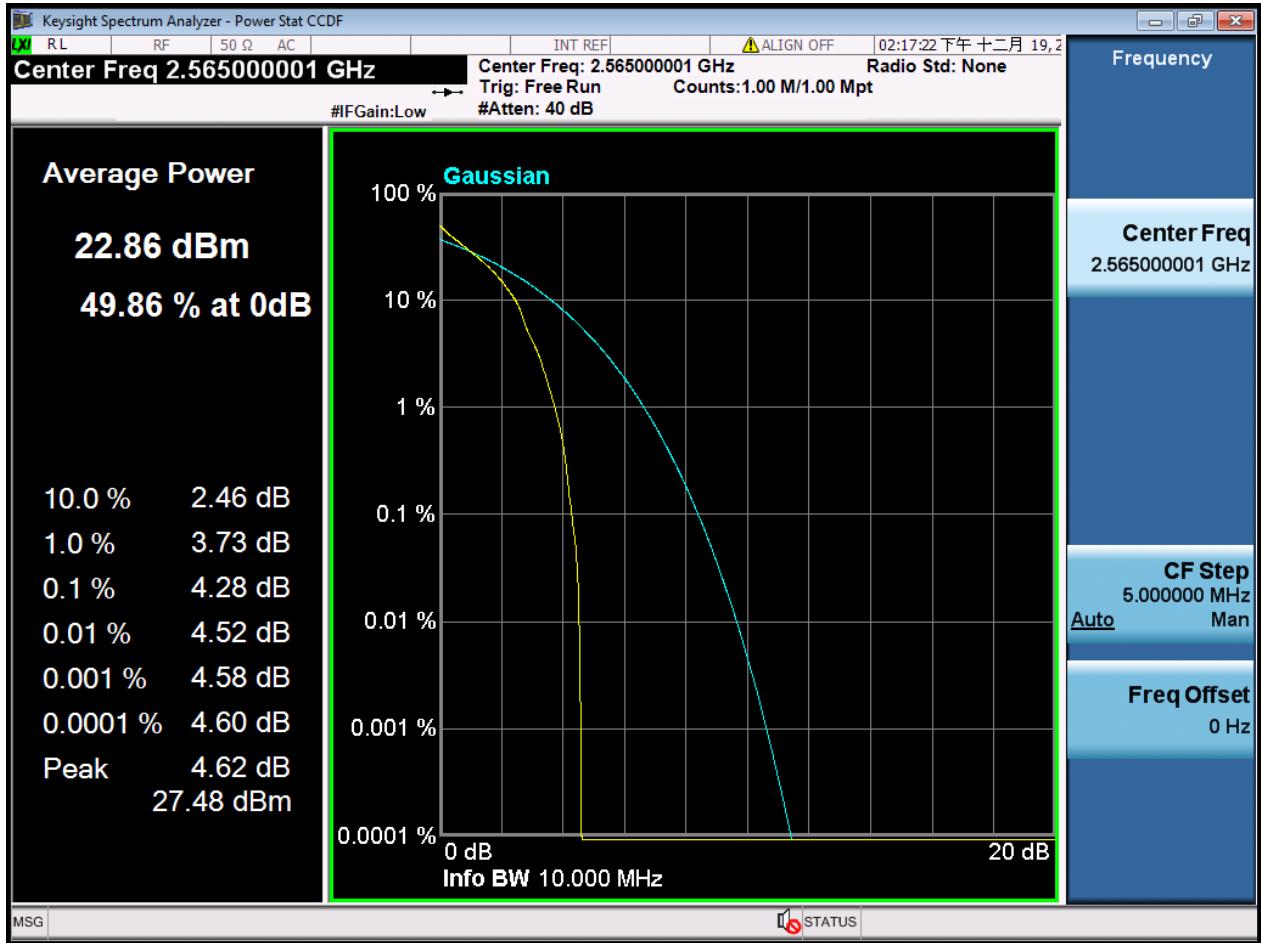
1.74. LTE Peak to Average Ratio(NTNV)(Subtest:74, Channel:21400, Bandwidth:10, Modulation:QPSK, RB Number: 25, RB Position:HIGH)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2565	0.1	5.25	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	4.28	13	Pass



Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 02:17:22 下午 十二月 19, 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
22.86 dBm
49.86 % at 0dB

10.0 %	2.46 dB
1.0 %	3.73 dB
0.1 %	4.28 dB
0.01 %	4.52 dB
0.001 %	4.58 dB
0.0001 %	4.60 dB
Peak	4.62 dB
	27.48 dBm

Gaussian

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

0 dB 20 dB

Info BW 10.000 MHz

MSG STATUS

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

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	4.41	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 02:17:26 下午 十二月 19, 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 22.93 dBm
49.09 % at 0dB

10.0 % 2.47 dB
1.0 % 3.80 dB
0.1 % 4.41 dB
0.01 % 4.61 dB
0.001 % 4.68 dB
0.0001 % 4.72 dB
Peak 4.73 dB
27.66 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

1.77. 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	4.54	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 02:17:30 下午 十二月 19, 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
22.76 dBm
49.25 % at 0dB

10.0 % 2.47 dB
1.0 % 3.88 dB
0.1 % 4.54 dB
0.01 % 4.71 dB
0.001 % 4.77 dB
0.0001 % 4.80 dB
Peak 4.82 dB
27.58 dBm

Gaussian



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

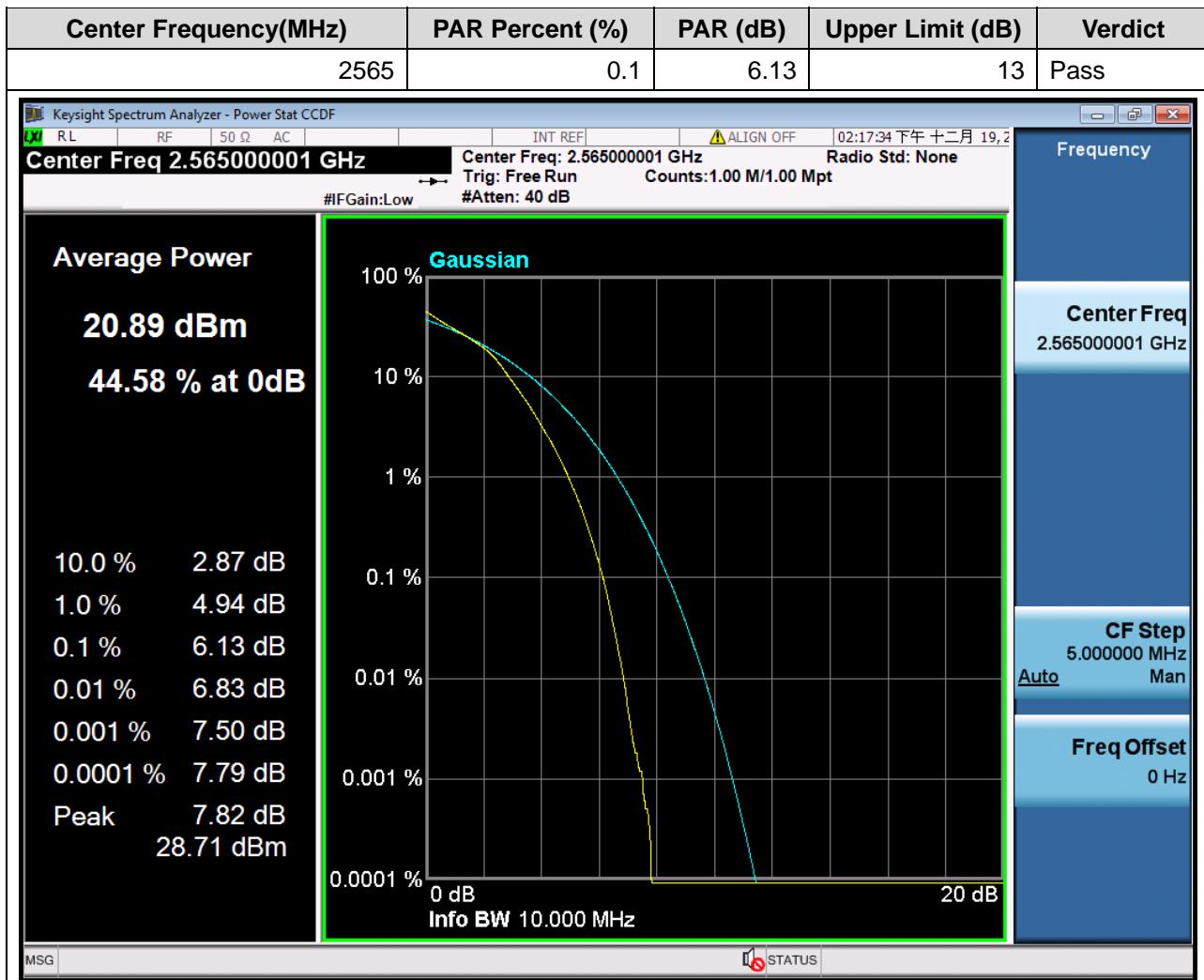
0 dB 20 dB

Info BW 10.000 MHz

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

MSG STATUS

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



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	6.01	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 02:17:38 下午 十二月 19, 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
20.97 dBm
44.80 % at 0dB

10.0 % 2.83 dB
1.0 % 4.87 dB
0.1 % 6.01 dB
0.01 % 6.62 dB
0.001 % 6.81 dB
0.0001 % 6.89 dB
Peak 6.91 dB
27.88 dBm

Gaussian



0.0001 % 0 dB 20 dB
Info BW 10.000 MHz

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

MSG STATUS

1.80. 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	5.96	13	Pass

Keysight Spectrum Analyzer - Power Stat CCDF

RL RF 50 Ω AC INT REF ALIGN OFF 02:17:42 下午 十二月 19, 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 20.90 dBm
44.71 % at 0dB

10.0 % 2.83 dB
1.0 % 4.87 dB
0.1 % 5.96 dB
0.01 % 6.55 dB
0.001 % 6.77 dB
0.0001 % 6.84 dB
Peak 6.85 dB
27.75 dBm

Gaussian

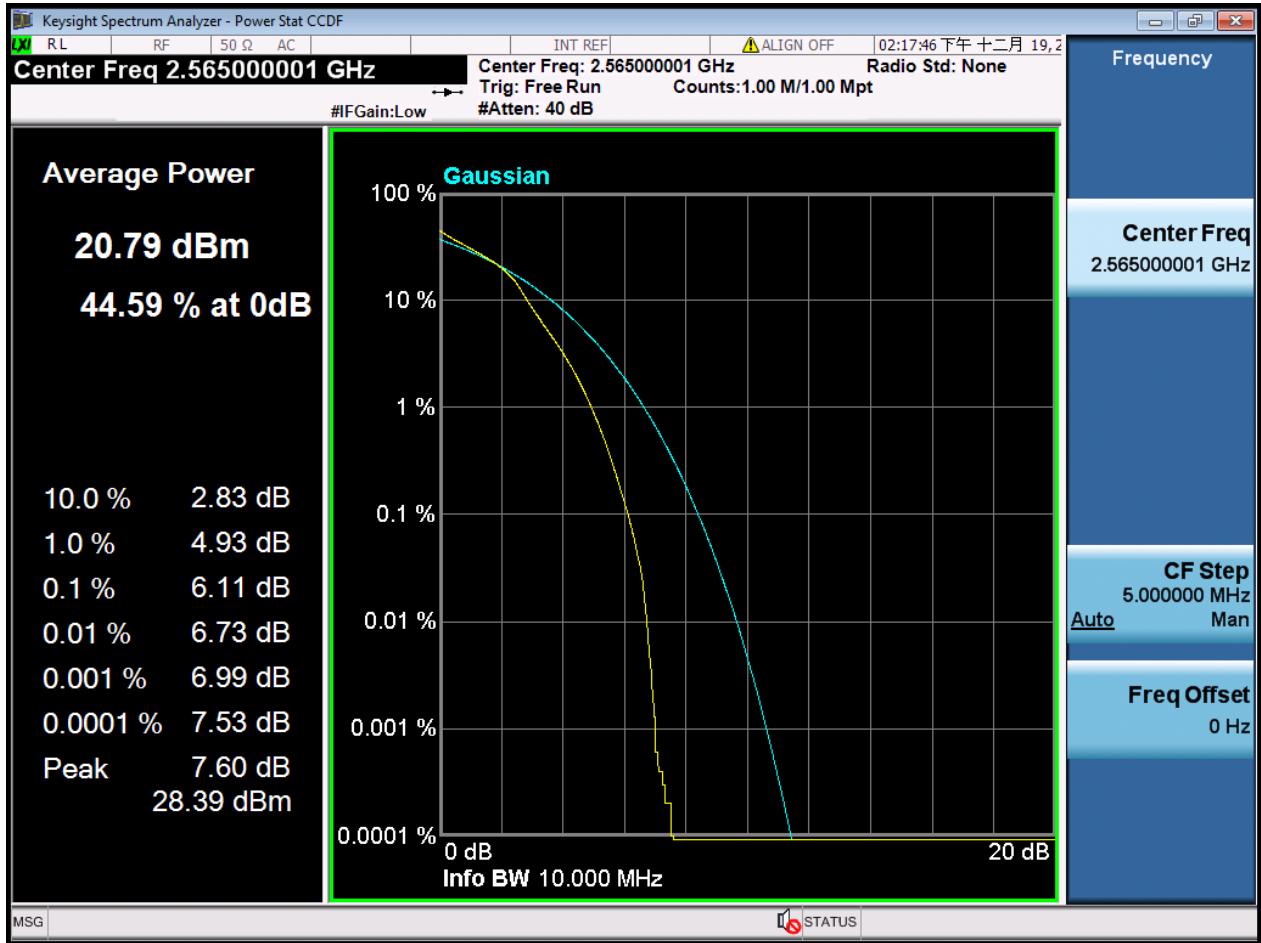


Frequency
Center Freq 2.565000001 GHz
CF Step 5.000000 MHz Man
Freq Offset 0 Hz

MSG STATUS

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	6.11	13	Pass



Average Power
20.79 dBm
44.59 % at 0dB

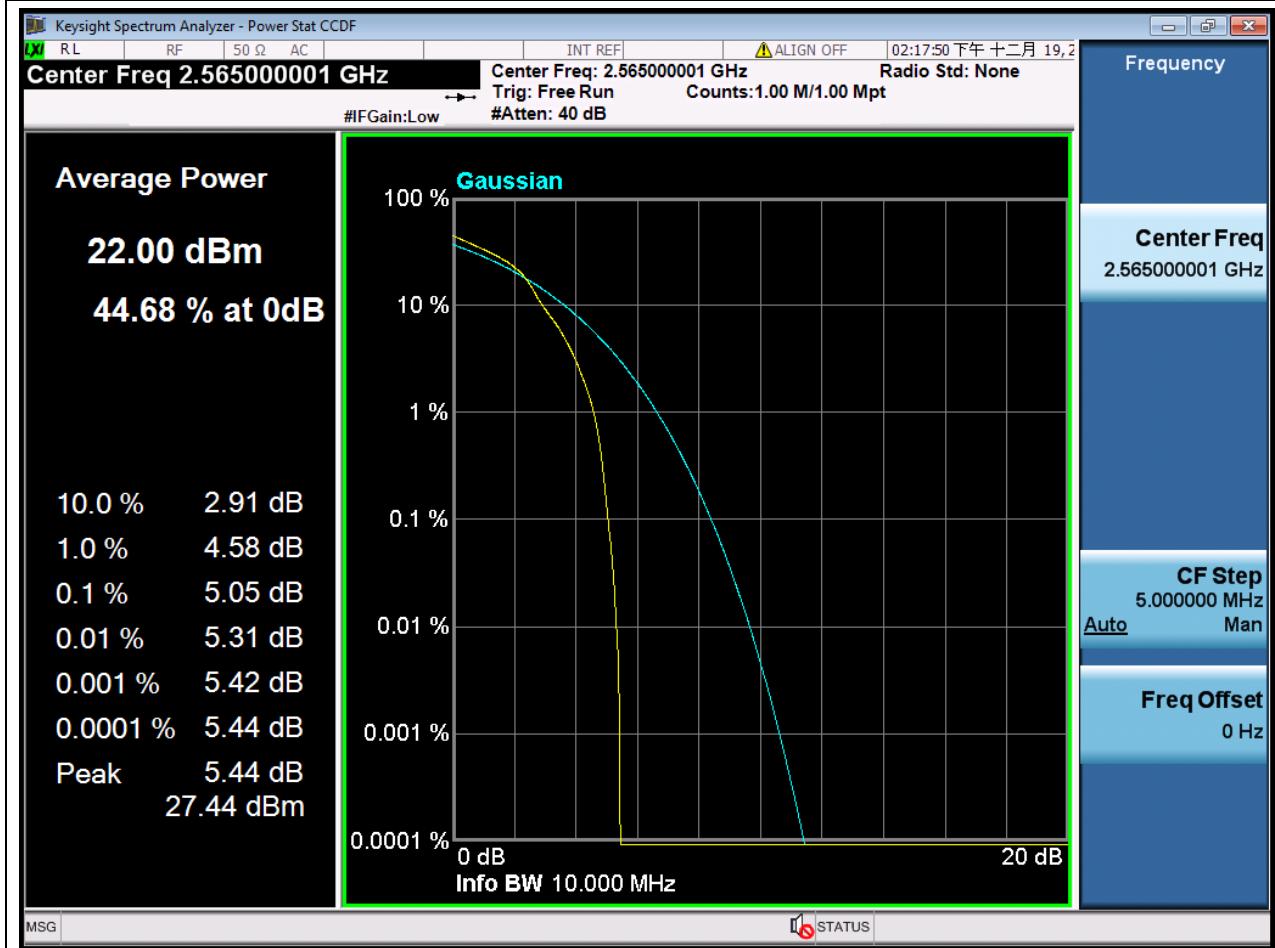
10.0 %	2.83 dB
1.0 %	4.93 dB
0.1 %	6.11 dB
0.01 %	6.73 dB
0.001 %	6.99 dB
0.0001 %	7.53 dB
Peak	7.60 dB
	28.39 dBm

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

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

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	5.05	13	Pass



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	5.17	13	Pass

