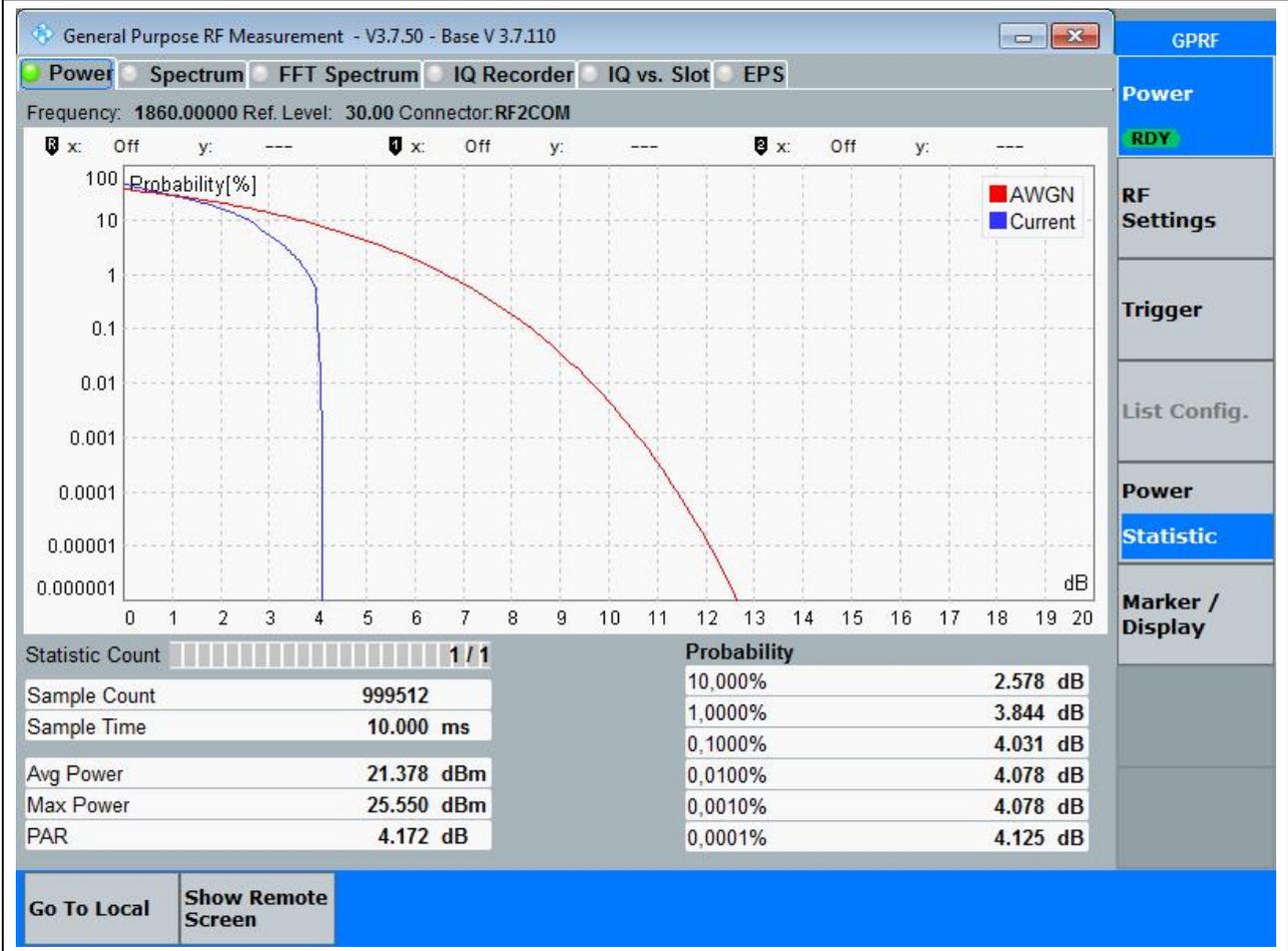


Annex A.2 Peak to Average Ratio

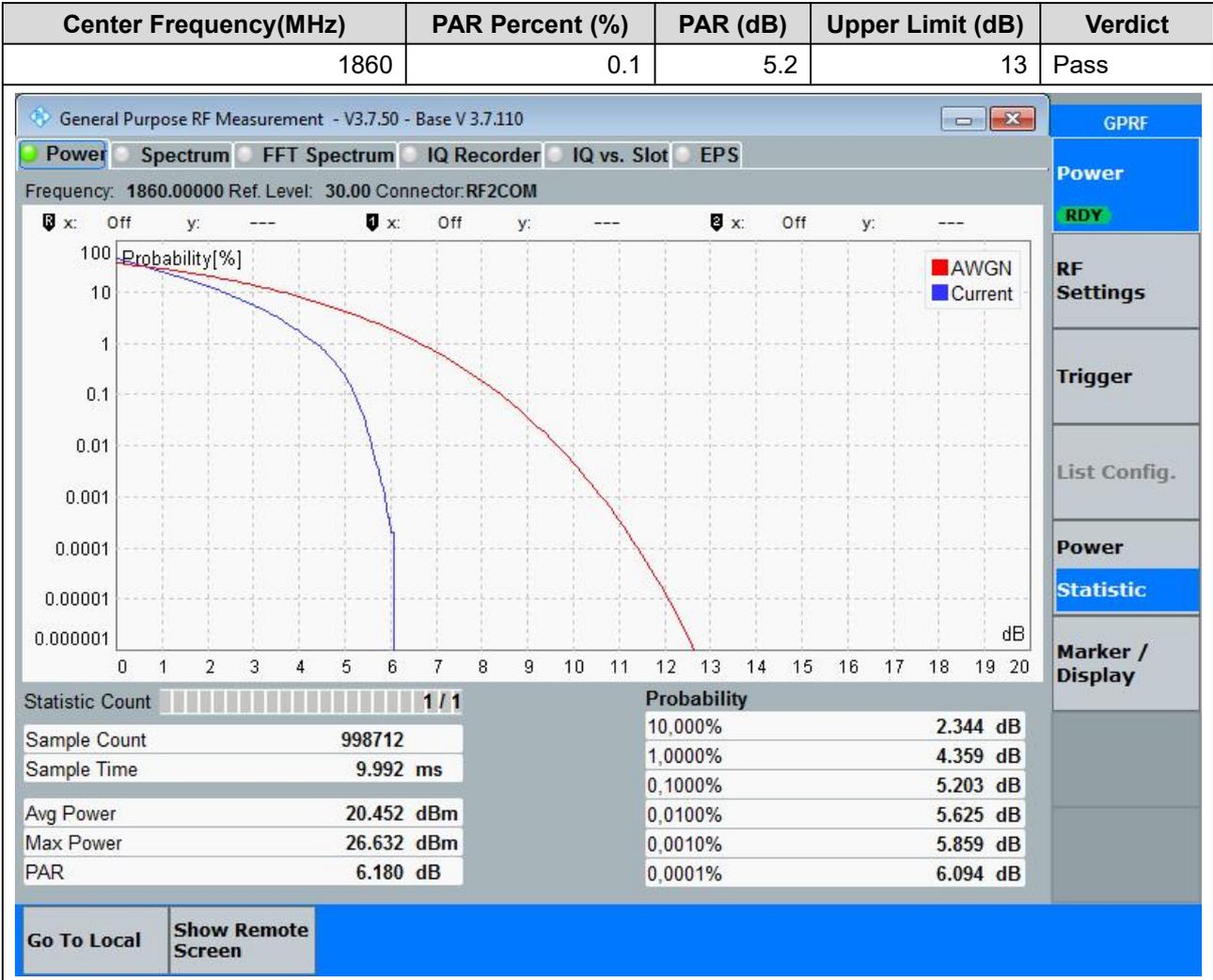
1. LTE_Band2

1.1 LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:1, Channel:18700, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)

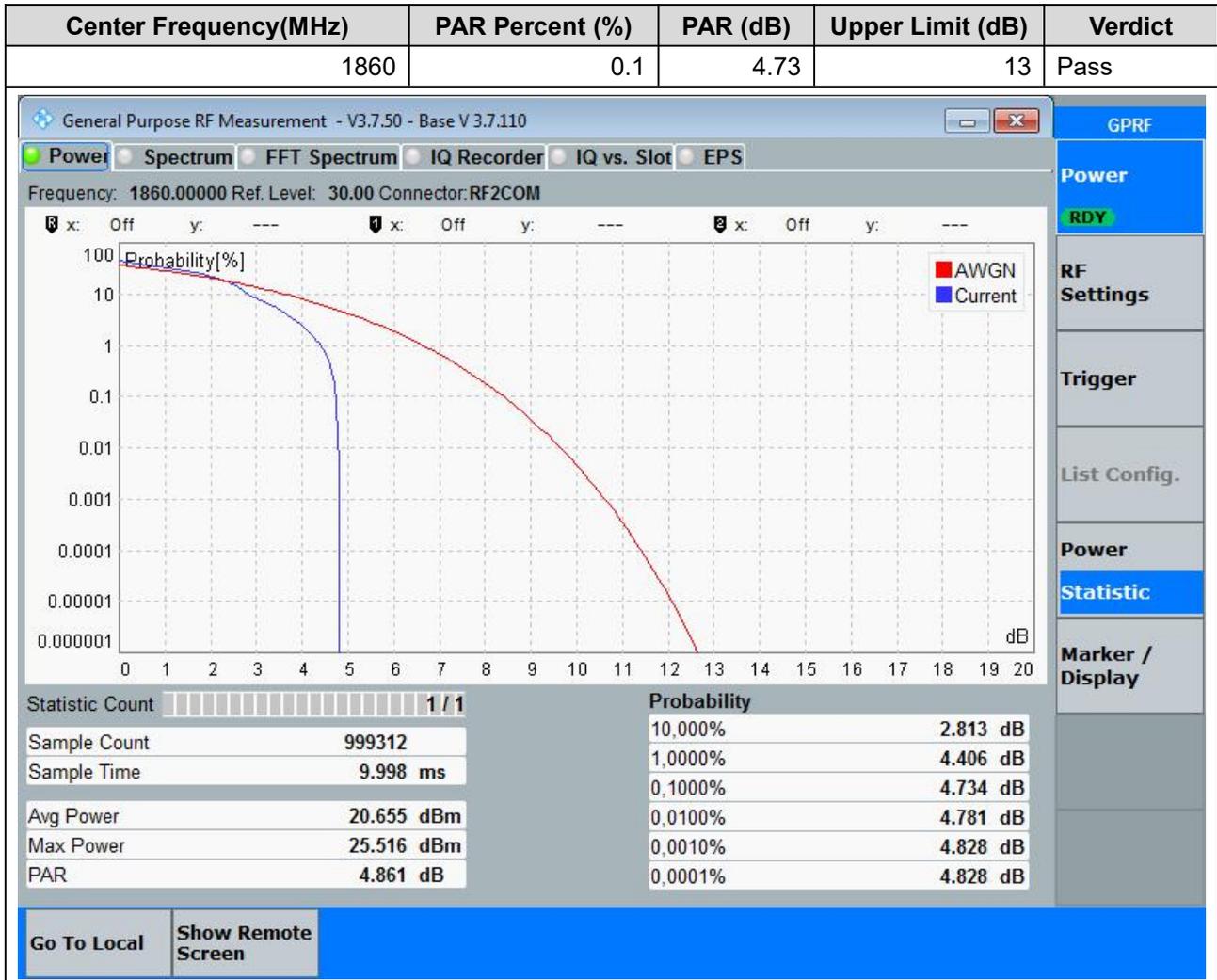
Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1860	0.1	4.03	13	Pass



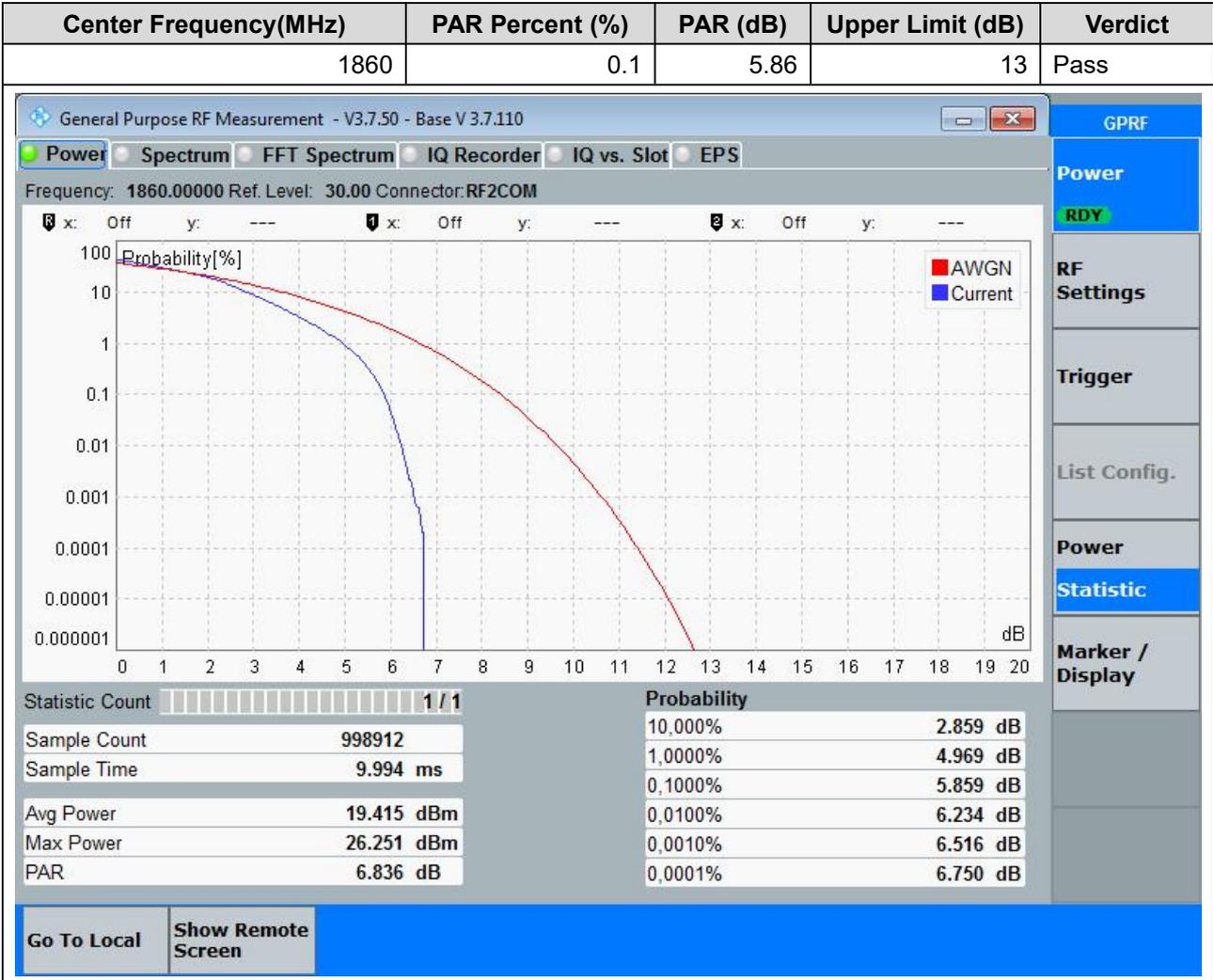
1.2 LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:2, Channel:18700, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)



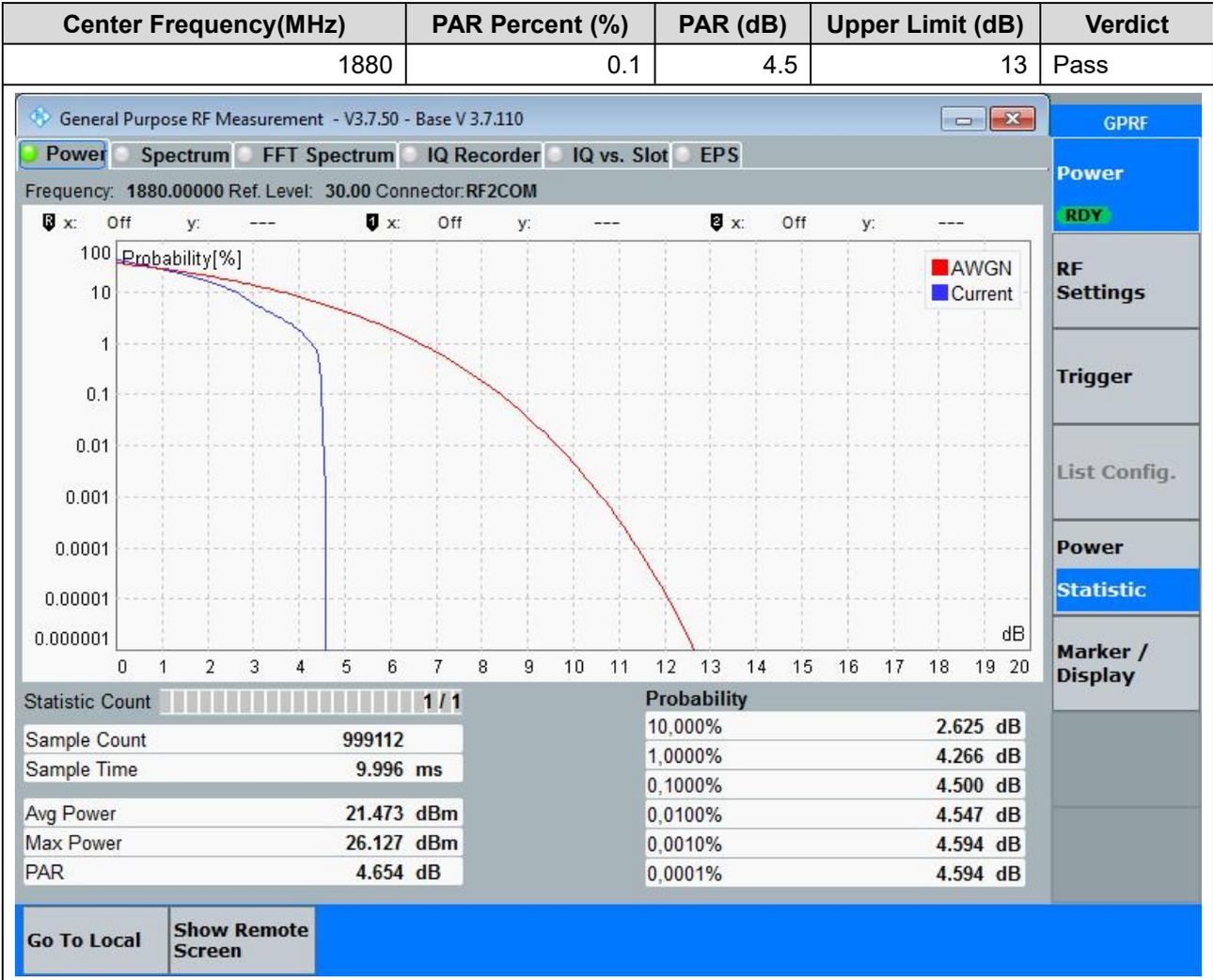
1.3 LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:3, Channel:18700, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)



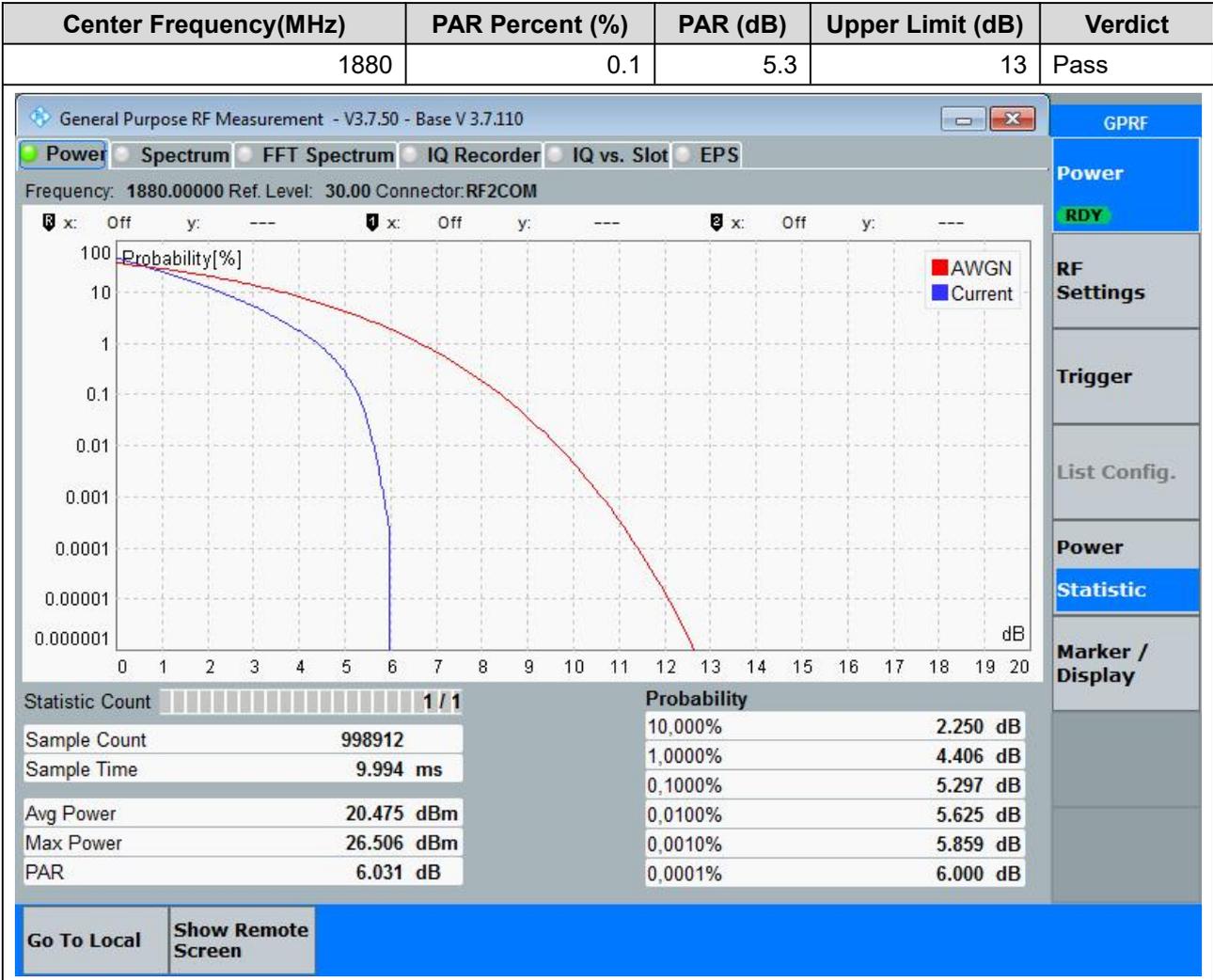
1.4 LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:4, Channel:18700, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)



1.5 LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:5, Channel:18900, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)

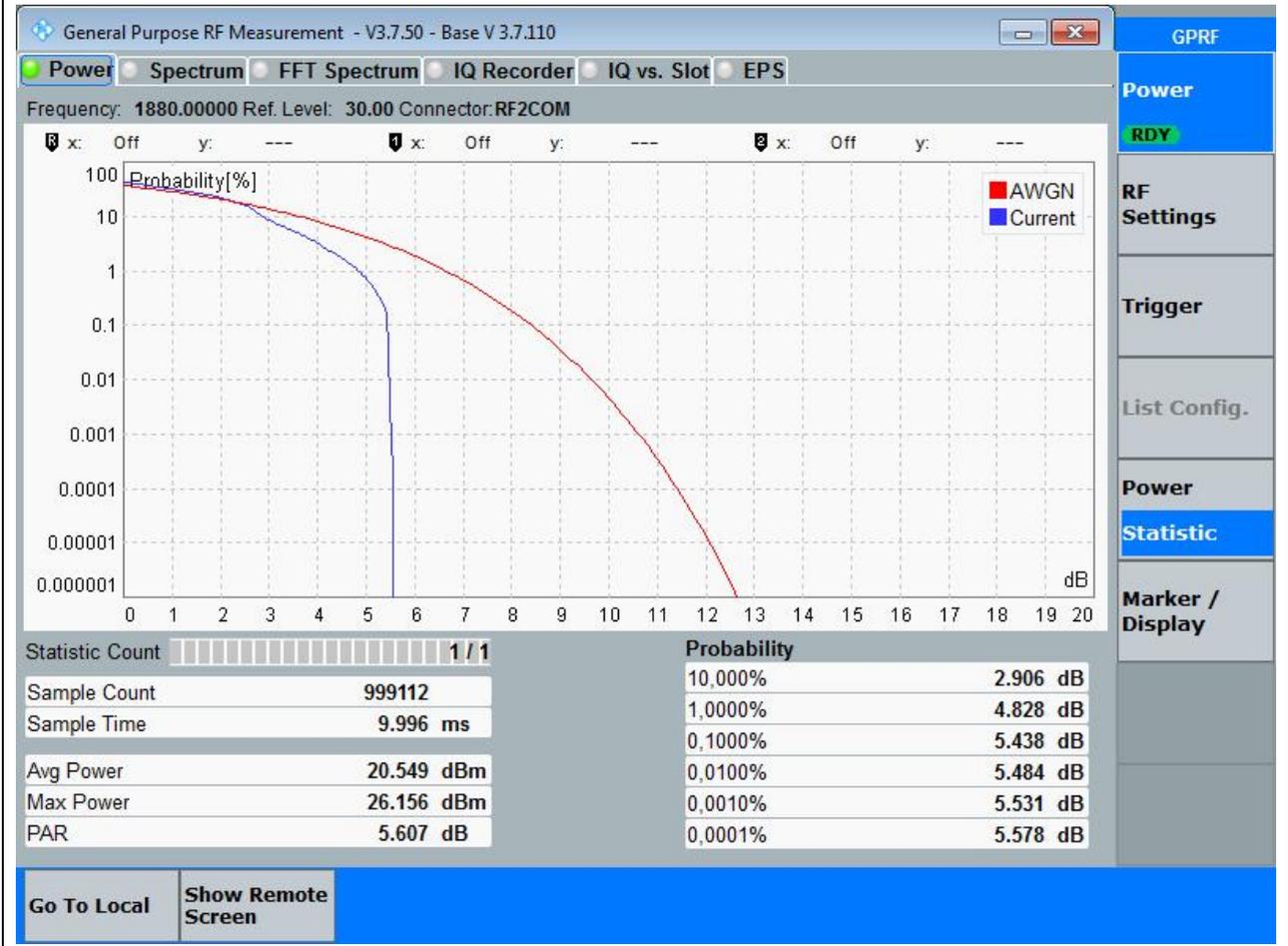


1.6 LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:6, Channel:18900, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)



1.7 LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:7, Channel:18900, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)

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



1.8 LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:8, Channel:18900, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	5.86	13	Pass

General Purpose RF Measurement - V3.7.50 - Base V 3.7.110

Power Spectrum FFT Spectrum IQ Recorder IQ vs. Slot EPS

Frequency: 1880.00000 Ref. Level: 30.00 Connector:RF2COM

GPRF

Power RDY

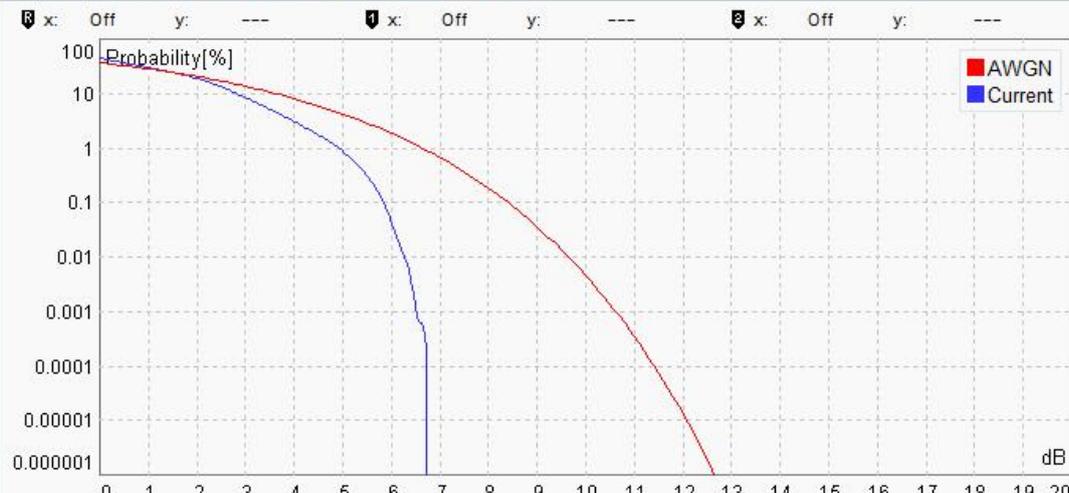
RF Settings

Trigger

List Config.

Power Statistic

Marker / Display



Statistic Count	
Sample Count	998912
Sample Time	9.994 ms
Avg Power	19.385 dBm
Max Power	26.193 dBm
PAR	6.808 dB

Probability	
10,000%	2.813 dB
1,0000%	4.922 dB
0,1000%	5.859 dB
0,0100%	6.281 dB
0,0010%	6.516 dB
0,0001%	6.750 dB

Go To Local
Show Remote Screen

1.9 LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:9, Channel:19100, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1900	0.1	3.98	13	Pass

General Purpose RF Measurement - V3.7.50 - Base V 3.7.110

Power Spectrum FFT Spectrum IQ Recorder IQ vs. Slot EPS

Frequency: 1900.00000 Ref. Level: 30.00 Connector:RF2COM

GPRF

Power RDY

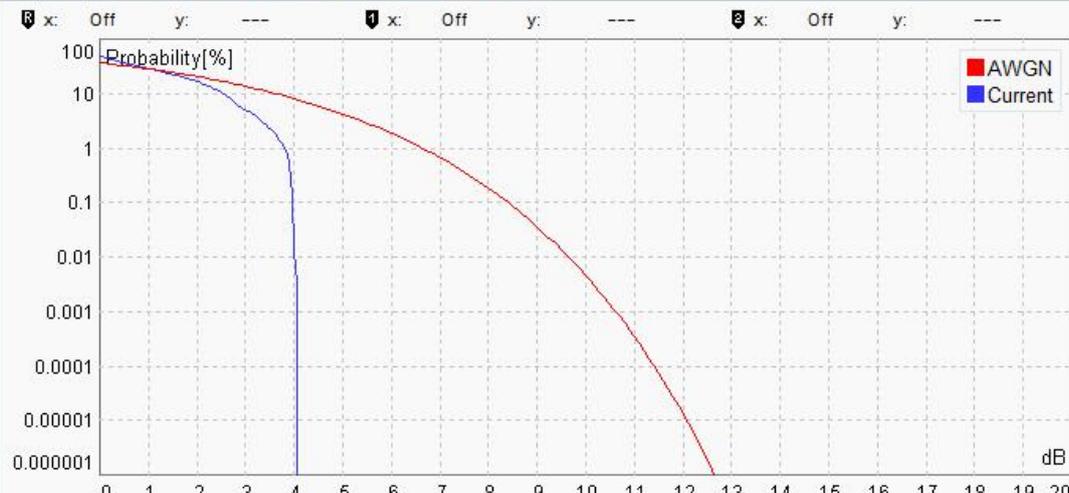
RF Settings

Trigger

List Config.

Power Statistic

Marker / Display



Statistic Count	
Sample Count	999112
Sample Time	9.996 ms
Avg Power	21.361 dBm
Max Power	25.469 dBm
PAR	4.108 dB

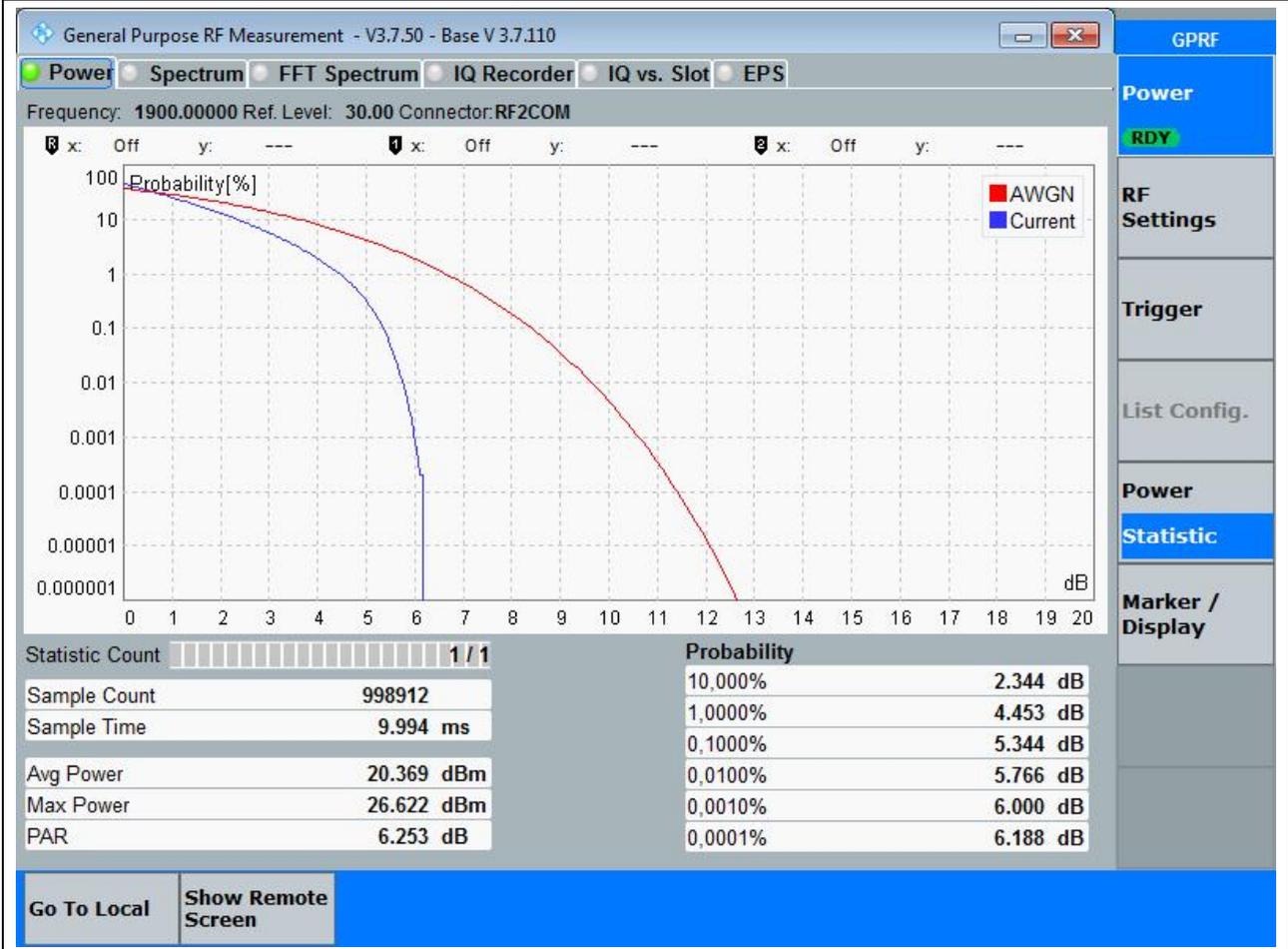
Probability	
10,000%	2.578 dB
1,0000%	3.797 dB
0,1000%	3.984 dB
0,0100%	4.031 dB
0,0010%	4.078 dB
0,0001%	4.078 dB

Go To Local

Show Remote Screen

1.10 LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:10, Channel:19100, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1900	0.1	5.34	13	Pass



1.11 LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:11, Channel:19100, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1900	0.1	4.83	13	Pass

General Purpose RF Measurement - V3.7.50 - Base V 3.7.110
GPRF

Power Spectrum FFT Spectrum IQ Recorder IQ vs. Slot EPS
Power RDY

Frequency: 1900.00000 Ref. Level: 30.00 Connector:RF2COM

x: Off y: --- x: Off y: --- x: Off y: ---



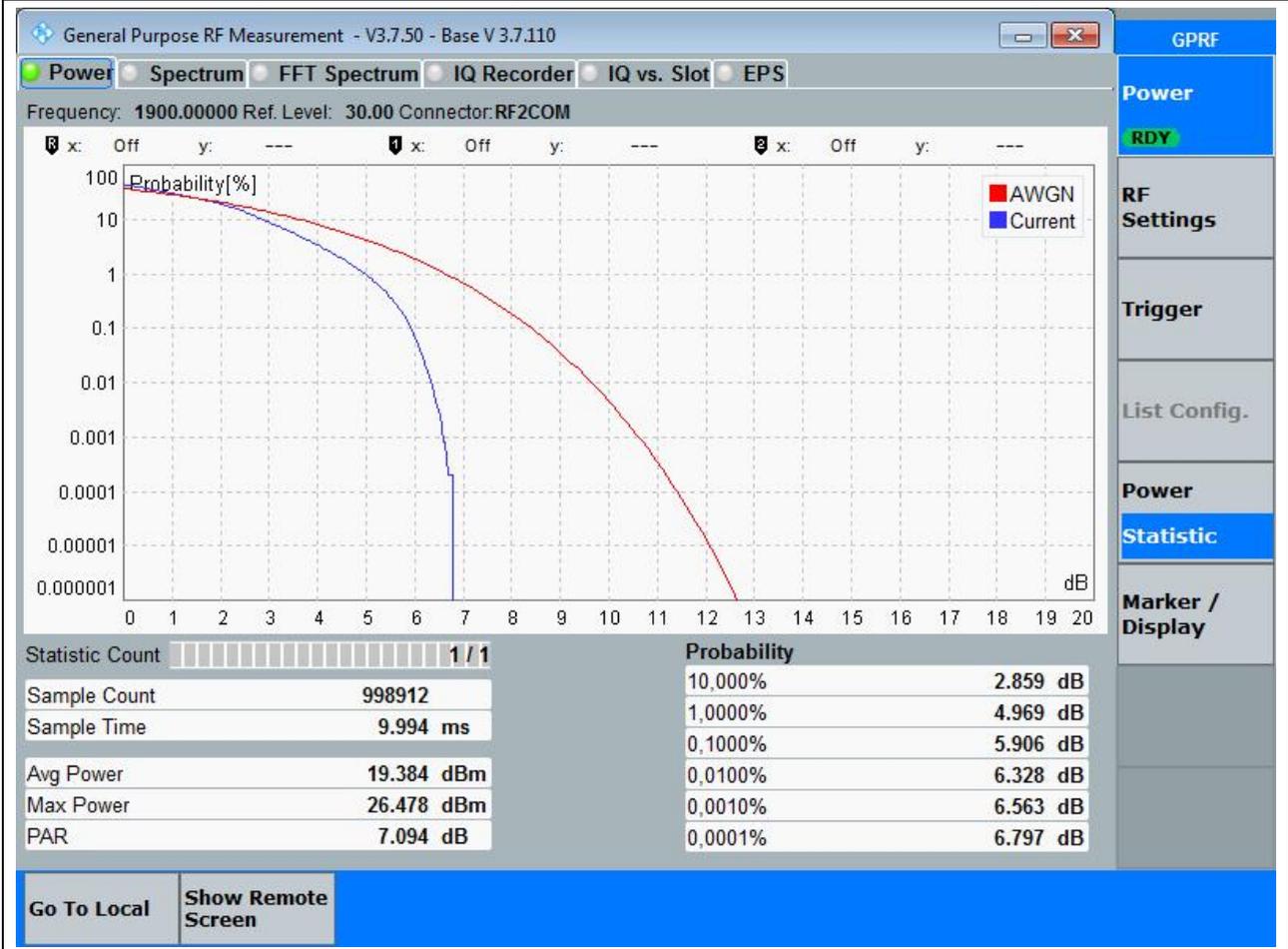
Statistic Count	
Sample Count	999112
Sample Time	9.996 ms
Avg Power	20.537 dBm
Max Power	25.587 dBm
PAR	5.050 dB

Probability	
10,000%	2.906 dB
1,0000%	4.594 dB
0,1000%	4.828 dB
0,0100%	4.922 dB
0,0010%	4.969 dB
0,0001%	5.016 dB

Go To Local
Show Remote Screen

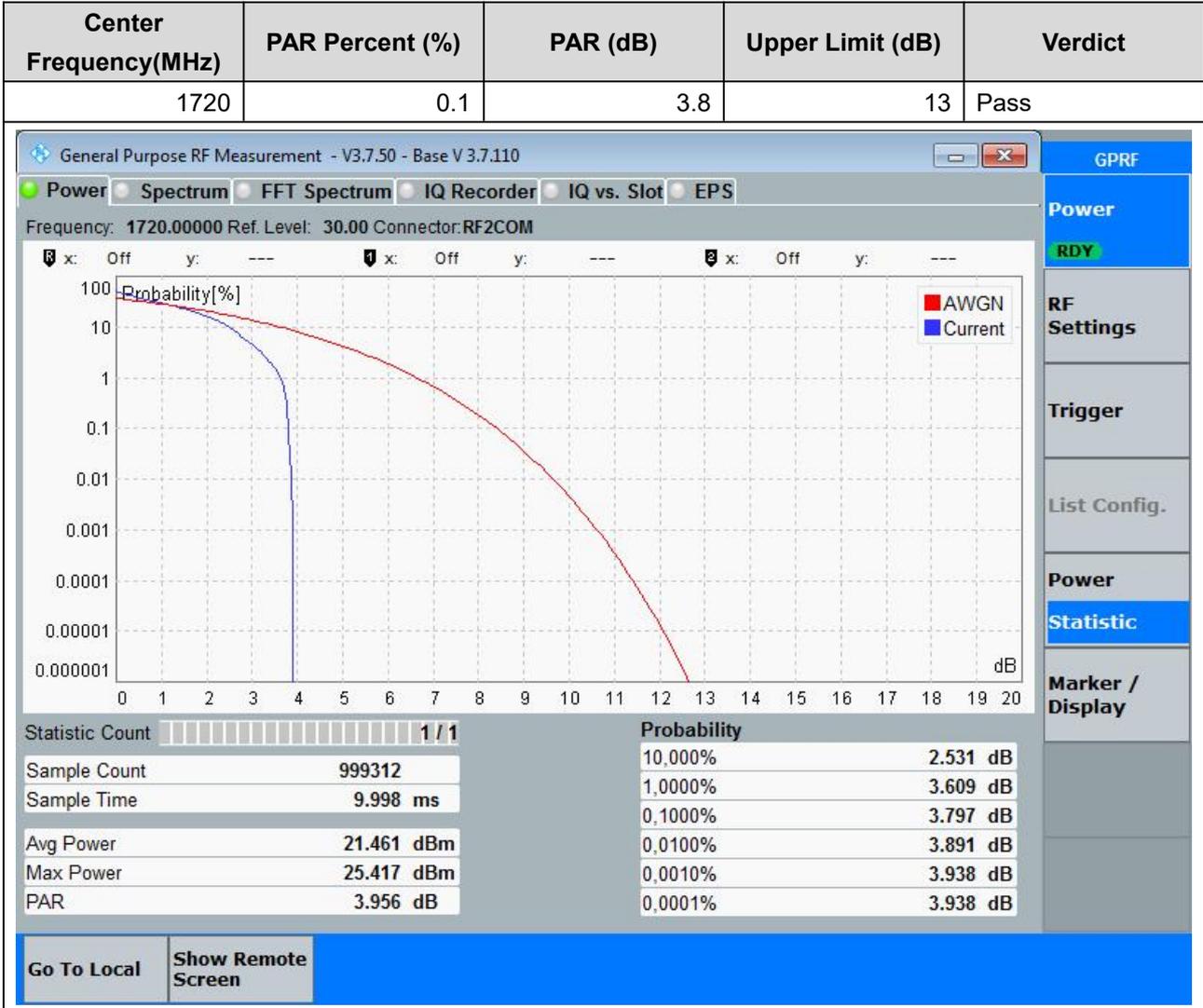
1.12 LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:12, Channel:19100, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1900	0.1	5.91	13	Pass



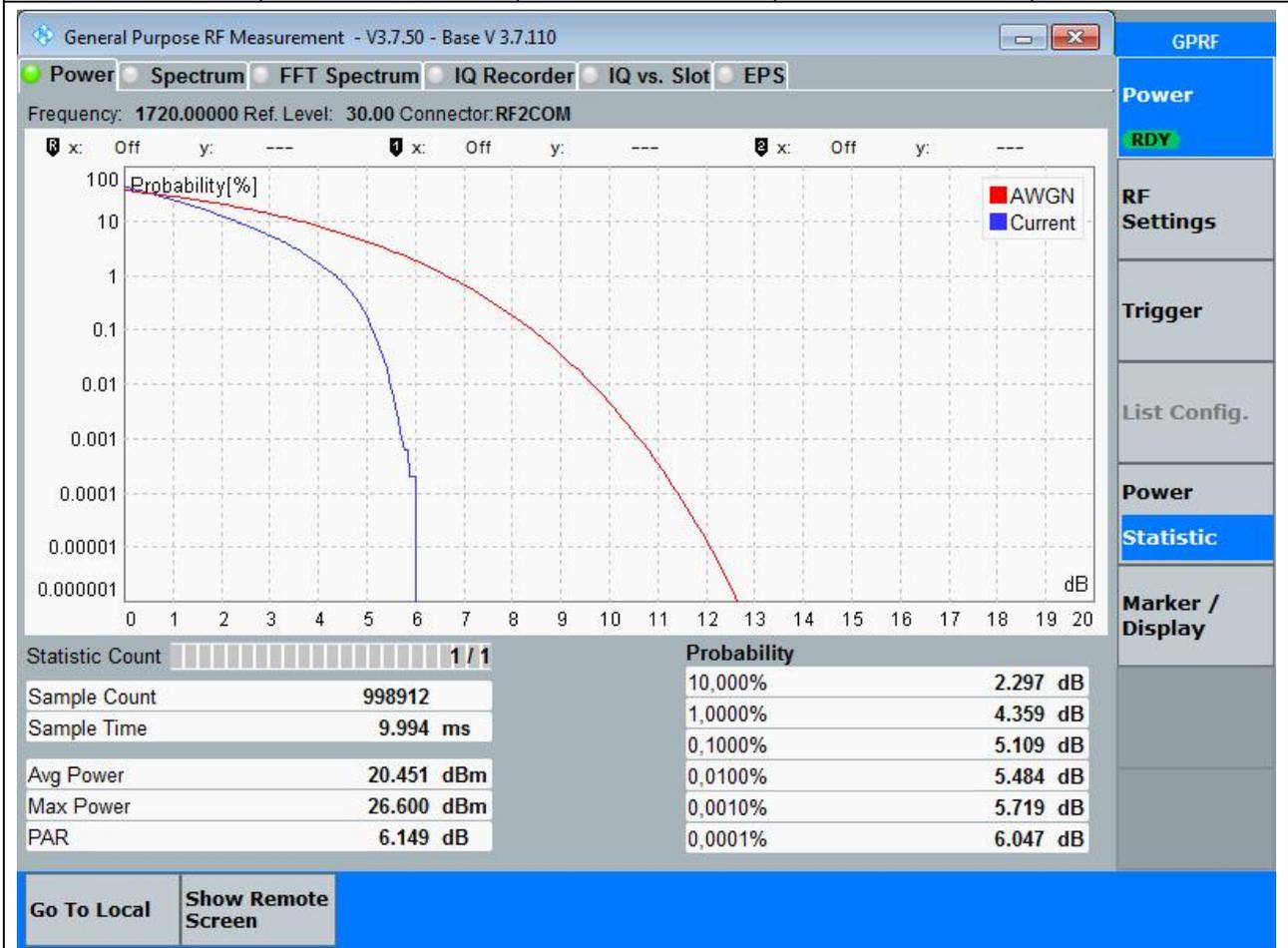
2. LTE_Band4

2.1 LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:1, Channel:20050, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)



2.2 LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:2, Channel:20050, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1720	0.1	5.11	13	Pass



2.3 LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:3, Channel:20050, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1720	0.1	4.59	13	Pass

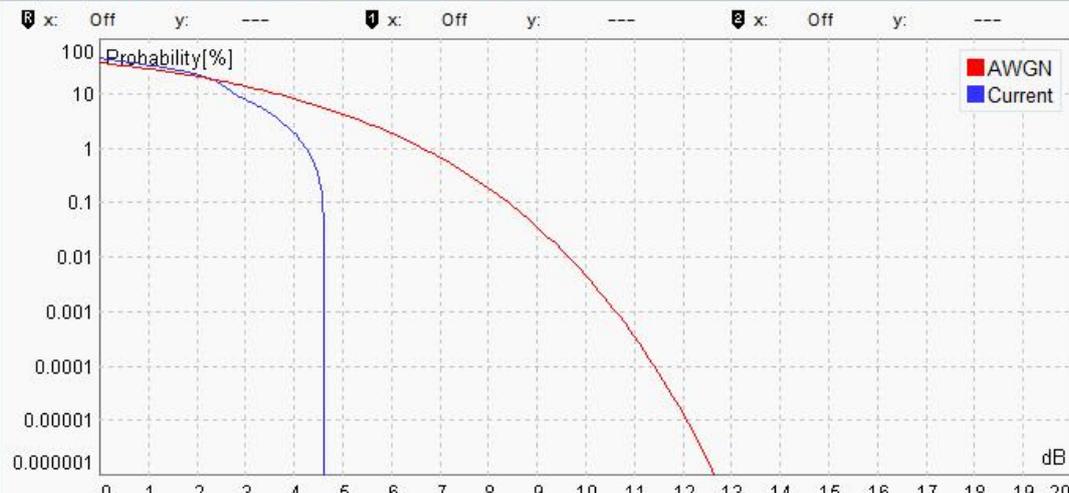
General Purpose RF Measurement - V3.7.50 - Base V 3.7.110

Power Spectrum FFT Spectrum IQ Recorder IQ vs. Slot EPS

Frequency: 1720.00000 Ref. Level: 30.00 Connector:RF2COM

GPRF

Probability[%]



Statistic Count	
Sample Count	999112
Sample Time	9.996 ms
Avg Power	20.589 dBm
Max Power	25.294 dBm
PAR	4.705 dB

Probability	
10,000%	2.766 dB
1,0000%	4.266 dB
0,1000%	4.594 dB
0,0100%	4.641 dB
0,0010%	4.641 dB
0,0001%	4.641 dB

Go To Local

Show Remote Screen

Power

RDY

RF Settings

Trigger

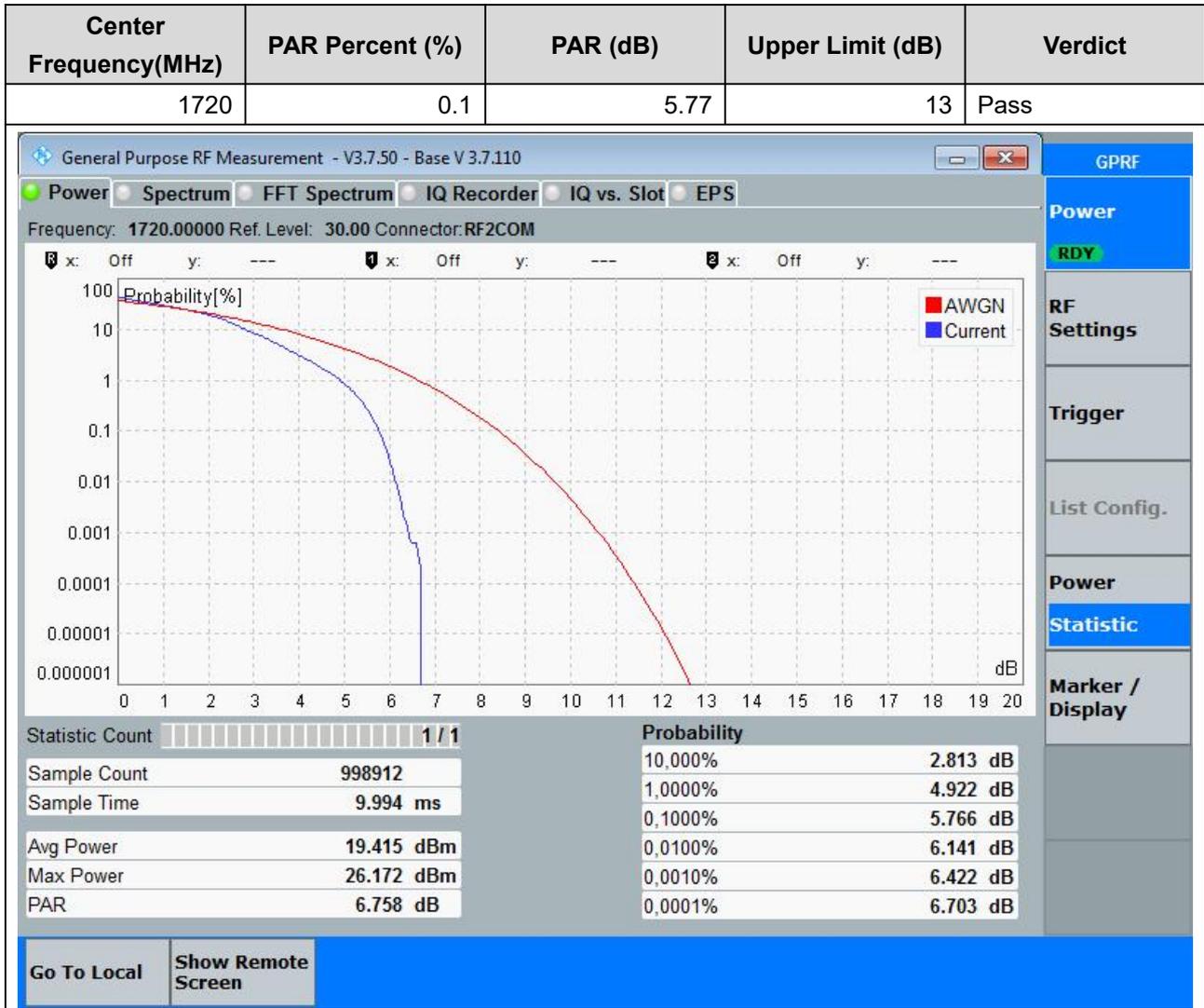
List Config.

Power

Statistic

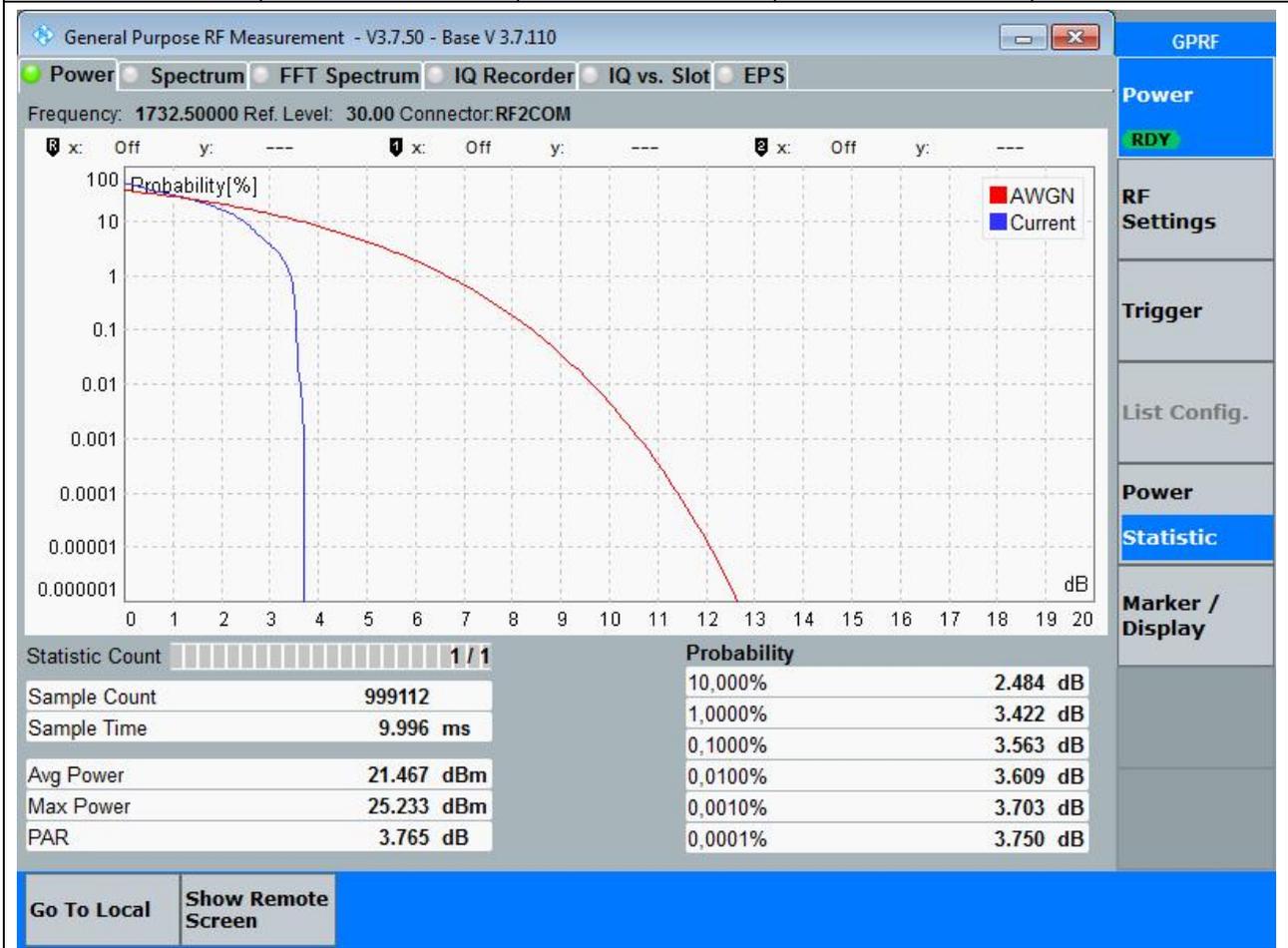
Marker / Display

2.4 LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:4, Channel:20050, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)



2.5 LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:5, Channel:20175, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	3.56	13	Pass



2.6 LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:6, Channel:20175, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	5.25	13	Pass

General Purpose RF Measurement - V3.7.50 - Base V 3.7.110
 Power Spectrum FFT Spectrum IQ Recorder IQ vs. Slot EPS
 Frequency: 1732.50000 Ref. Level: 30.00 Connector:RF2COM

GPRF



Power

RDY

RF Settings

Trigger

List Config.

Power

Statistic

Marker / Display

Statistic Count	1 / 1
Sample Count	998912
Sample Time	9.994 ms
Avg Power	20.435 dBm
Max Power	26.393 dBm
PAR	5.957 dB

Probability	
10,000%	2.344 dB
1,0000%	4.406 dB
0,1000%	5.250 dB
0,0100%	5.578 dB
0,0010%	5.813 dB
0,0001%	5.906 dB

Go To Local

Show Remote Screen

2.7 LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:7, Channel:20175, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	4.5	13	Pass

General Purpose RF Measurement - V3.7.50 - Base V 3.7.110

GPRF

● Power Spectrum FFT Spectrum IQ Recorder IQ vs. Slot EPS

Frequency: 1732.50000 Ref. Level: 30.00 Connector:RF2COM

x: Off y: ---
x: Off y: ---
x: Off y: ---



Statistic Count		Probability	
Sample Count	999112	10,000%	2.859 dB
Sample Time	9.996 ms	1,0000%	4.219 dB
Avg Power	20.451 dBm	0,1000%	4.500 dB
Max Power	25.084 dBm	0,0100%	4.547 dB
PAR	4.633 dB	0,0010%	4.594 dB
		0,0001%	4.594 dB

Go To Local
Show Remote Screen

GPRF

Power

RDY

RF Settings

Trigger

List Config.

Power

Statistic

Marker / Display

2.8 LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:8, Channel:20175, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	5.81	13	Pass

General Purpose RF Measurement - V3.7.50 - Base V 3.7.110

GPRF

● Power Spectrum FFT Spectrum IQ Recorder IQ vs. Slot EPS

Frequency: 1732.50000 Ref. Level: 30.00 Connector:RF2COM

x: Off y: ---
x: Off y: ---
x: Off y: ---



Statistic Count		Probability	
Sample Count	998912	10,000%	2.859 dB
Sample Time	9.994 ms	1,0000%	4.922 dB
Avg Power	19.440 dBm	0,1000%	5.813 dB
Max Power	26.157 dBm	0,0100%	6.234 dB
PAR	6.717 dB	0,0001%	6.703 dB

Go To Local
Show Remote Screen

GPRF

Power

RDY

RF Settings

Trigger

List Config.

Power

Statistic

Marker / Display

2.9 LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:9, Channel:20300, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1745	0.1	3.94	13	Pass

General Purpose RF Measurement - V3.7.50 - Base V 3.7.110

Power Spectrum FFT Spectrum IQ Recorder IQ vs. Slot EPS

Frequency: 1745.00000 Ref. Level: 30.00 Connector:RF2COM

GPRF

Power

RDY

RF Settings

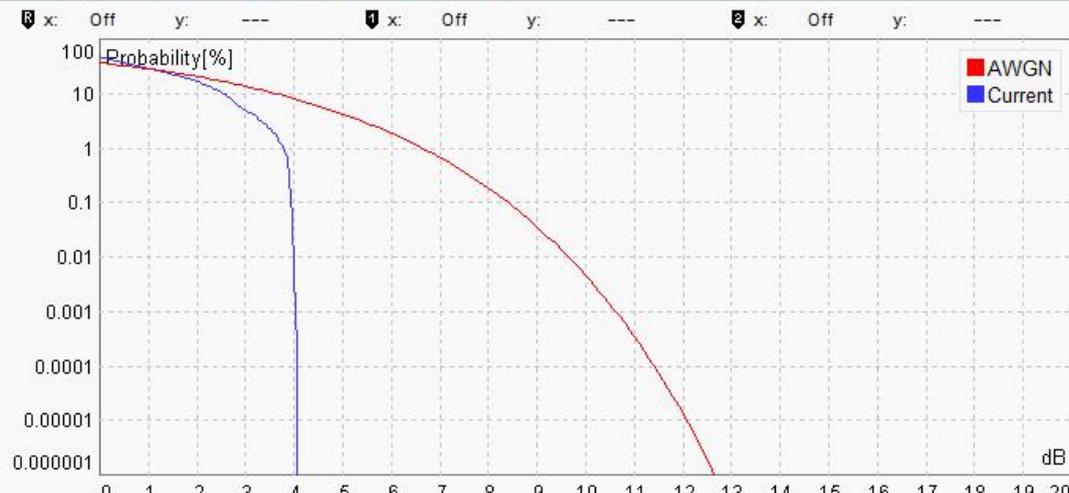
Trigger

List Config.

Power

Statistic

Marker / Display



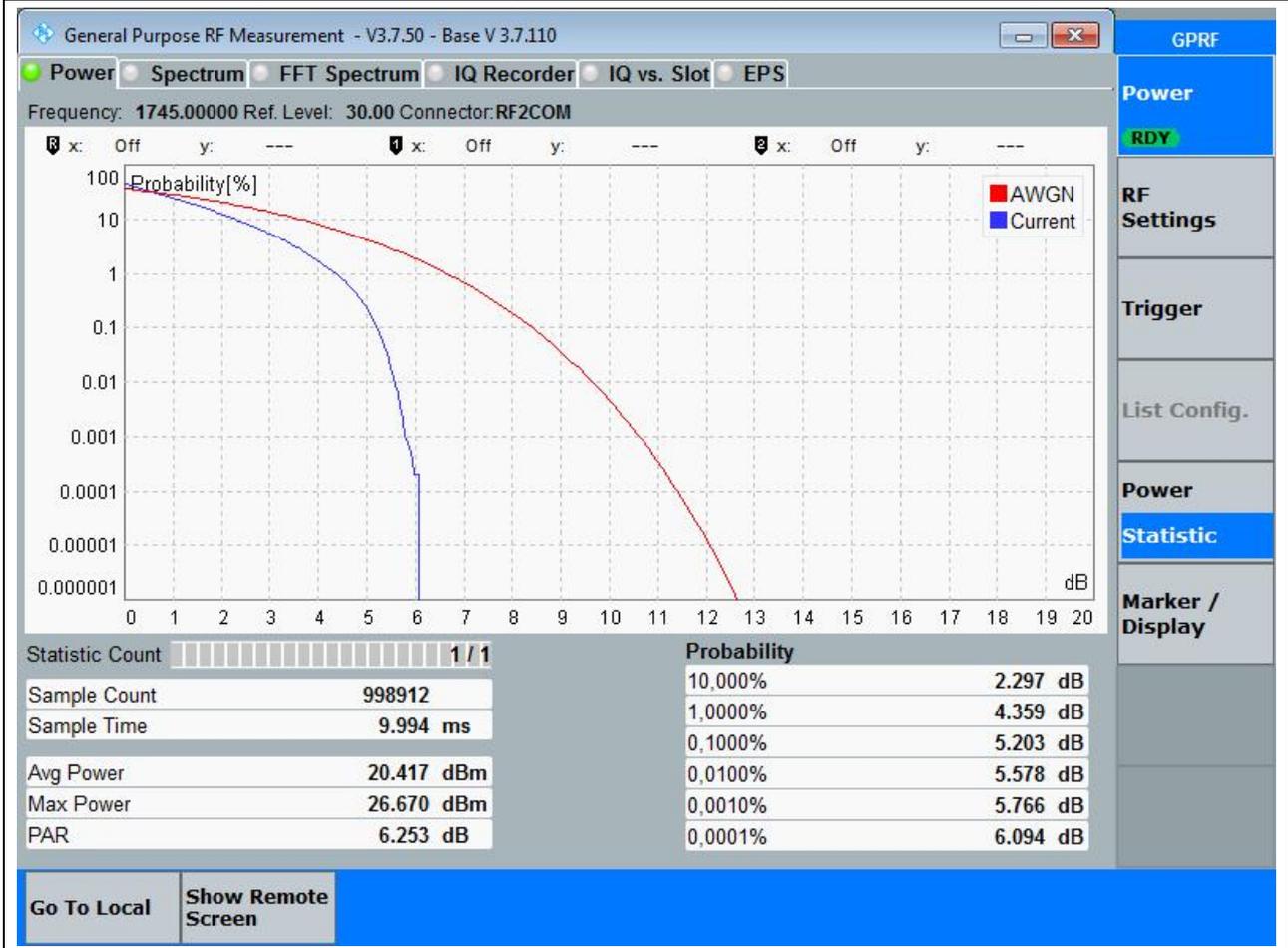
Statistic Count	
Sample Count	999112
Sample Time	9.996 ms
Avg Power	21.436 dBm
Max Power	25.541 dBm
PAR	4.106 dB

Probability	
10,000%	2.578 dB
1,0000%	3.797 dB
0,1000%	3.938 dB
0,0100%	3.984 dB
0,0010%	4.031 dB
0,0001%	4.078 dB

Go To Local
Show Remote Screen

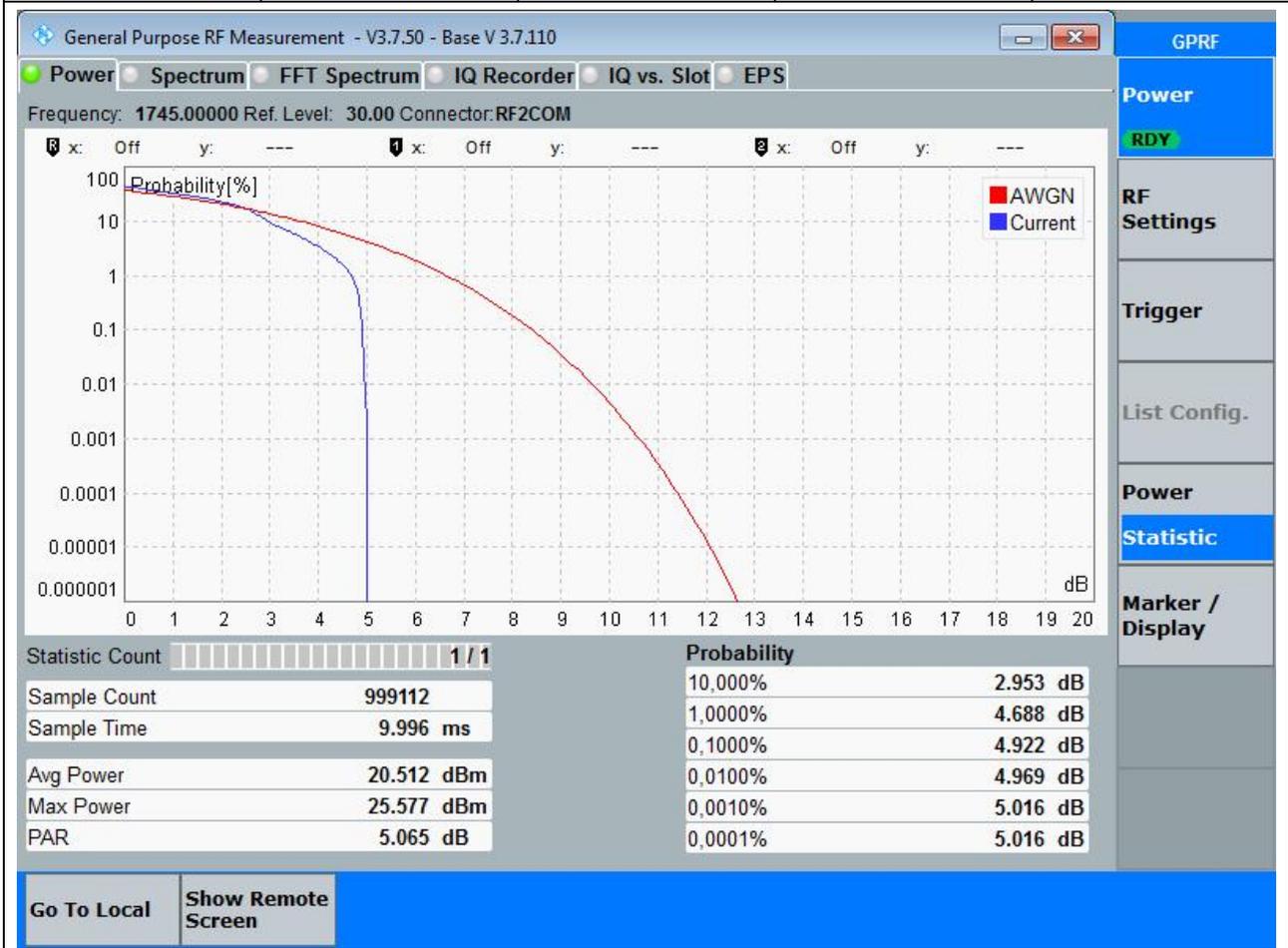
2.10 LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:10, Channel:20300, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1745	0.1	5.2	13	Pass

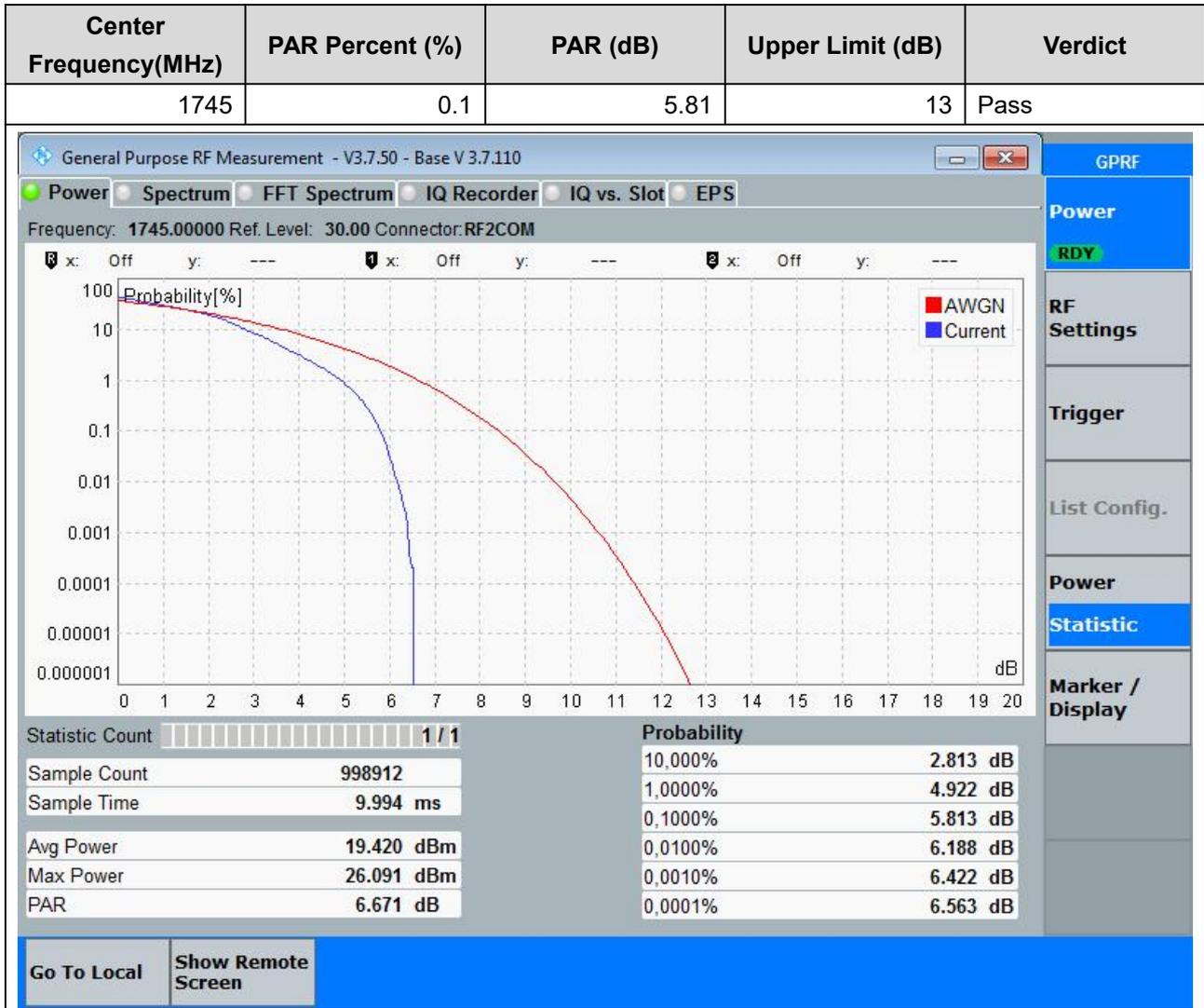


2.11 LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:11, Channel:20300, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1745	0.1	4.92	13	Pass

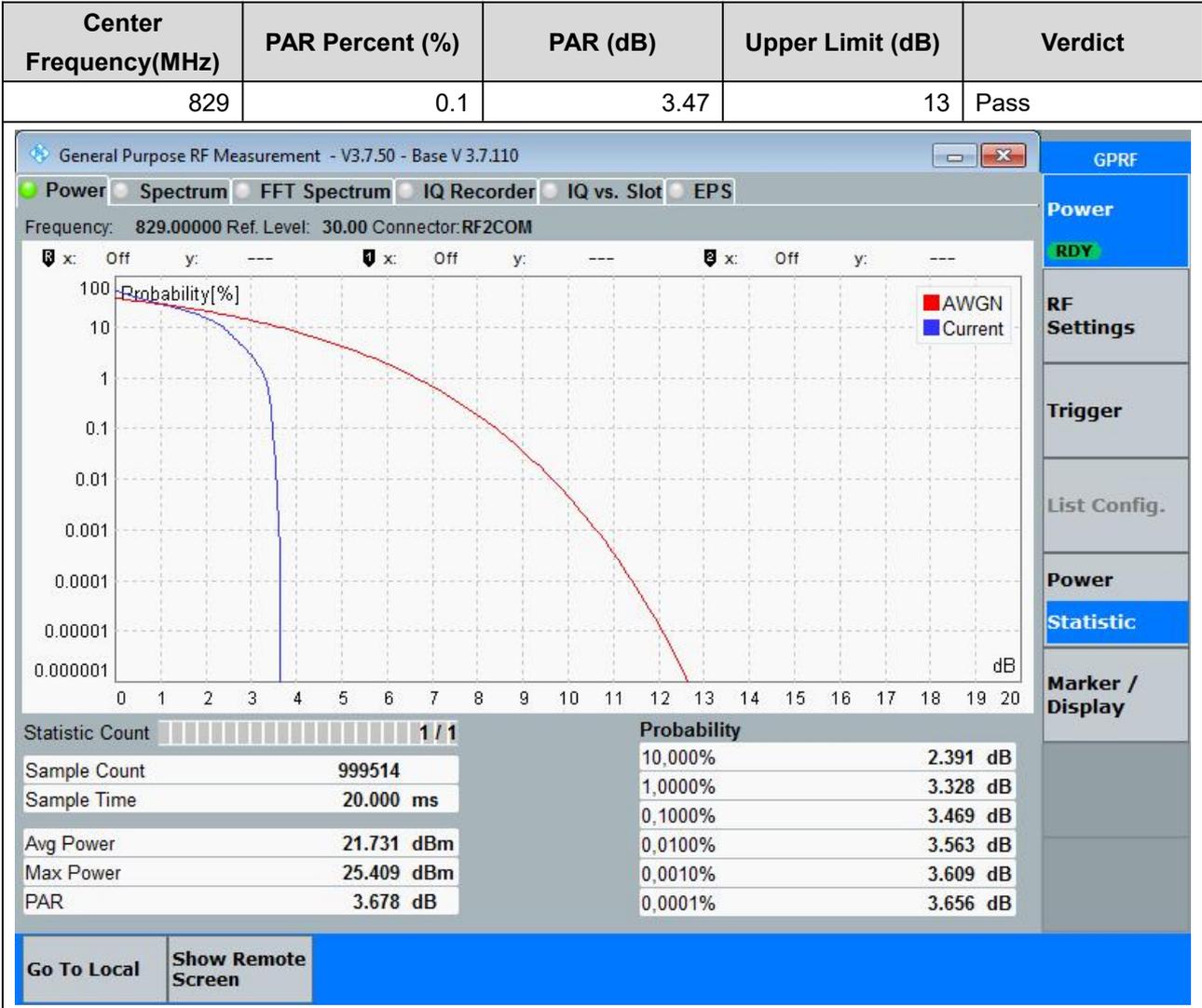


2.12 LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:12, Channel:20300, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)



3. LTE_Band5

3.1 LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:1, Channel:20450, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)



3.2 LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:2, Channel:20450, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
829	0.1	5.25	13	Pass

General Purpose RF Measurement - V3.7.50 - Base V 3.7.110

Power Spectrum FFT Spectrum IQ Recorder IQ vs. Slot EPS

Frequency: 829.00000 Ref. Level: 30.00 Connector:RF2COM

GPRF

Power RDY

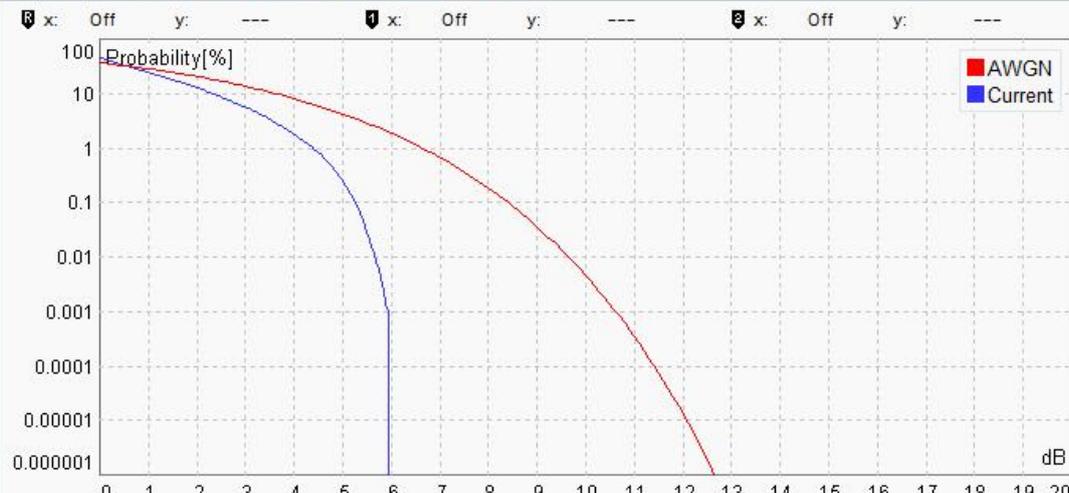
RF Settings

Trigger

List Config.

Power Statistic

Marker / Display



Statistic Count	
Sample Count	1023252
Sample Time	20.475 ms
Avg Power	20.668 dBm
Max Power	26.781 dBm
PAR	6.112 dB

Probability	
10,000%	2.344 dB
1,0000%	4.406 dB
0,1000%	5.250 dB
0,0100%	5.672 dB
0,0010%	5.906 dB
0,0001%	5.953 dB

Go To Local
Show Remote Screen

3.3 LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:3, Channel:20450, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
829	0.1	4.17	13	Pass

General Purpose RF Measurement - V3.7.50 - Base V 3.7.110

Power Spectrum FFT Spectrum IQ Recorder IQ vs. Slot EPS

Frequency: 829.00000 Ref. Level: 30.00 Connector:RF2COM

GPRF

Power RDY

RF Settings

Trigger

List Config.

Power Statistic

Marker / Display



Statistic Count	
Sample Count	999512
Sample Time	20.000 ms
Avg Power	20.929 dBm
Max Power	25.338 dBm
PAR	4.409 dB

Probability	
10,000%	2.719 dB
1,0000%	4.031 dB
0,1000%	4.172 dB
0,0100%	4.266 dB
0,0010%	4.359 dB
0,0001%	4.359 dB

Go To Local
Show Remote Screen

3.4 LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:4, Channel:20450, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
829	0.1	5.91	13	Pass

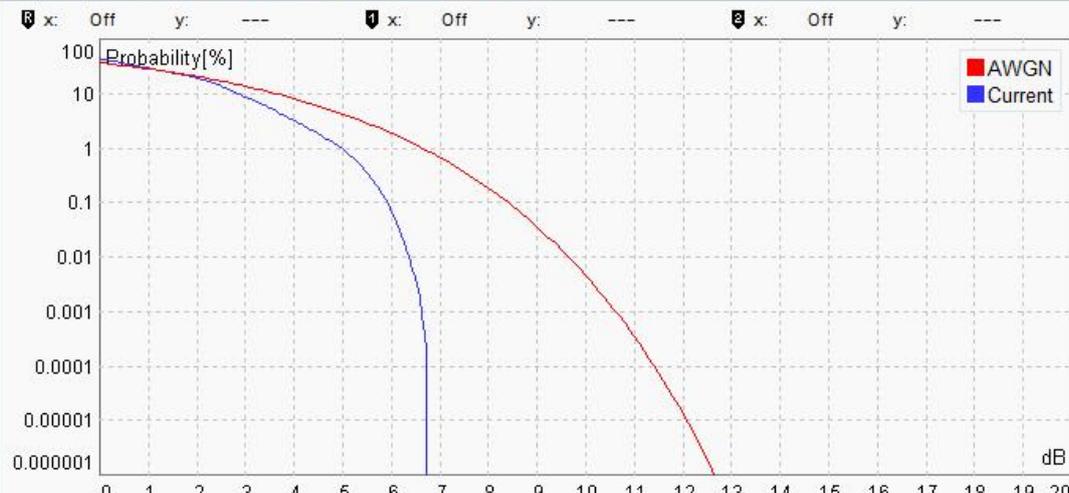
General Purpose RF Measurement - V3.7.50 - Base V 3.7.110

Power Spectrum FFT Spectrum IQ Recorder IQ vs. Slot EPS

Frequency: 829.00000 Ref. Level: 30.00 Connector:RF2COM

GPRF

Probability[%]



Statistic Count	
Sample Count	1023670
Sample Time	20.483 ms
Avg Power	19.679 dBm
Max Power	26.464 dBm
PAR	6.785 dB

Probability	
10,000%	2.859 dB
1,0000%	4.969 dB
0,1000%	5.906 dB
0,0100%	6.375 dB
0,0010%	6.609 dB
0,0001%	6.750 dB

Go To Local

Show Remote Screen

Power

RDY

RF Settings

Trigger

List Config.

Power

Statistic

Marker / Display

3.5 LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:5, Channel:20525, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
836.5	0.1	4.22	13	Pass

General Purpose RF Measurement - V3.7.50 - Base V 3.7.110

GPRF

Power | Spectrum | FFT Spectrum | IQ Recorder | IQ vs. Slot | EPS

Frequency: 836.50000 Ref. Level: 30.00 Connector:RF2COM



Statistic Count	
Sample Count	999114
Sample Time	19.992 ms
Avg Power	21.677 dBm
Max Power	26.078 dBm
PAR	4.401 dB

Probability	
10,000%	2.531 dB
1,0000%	3.984 dB
0,1000%	4.219 dB
0,0100%	4.266 dB
0,0010%	4.313 dB
0,0001%	4.359 dB

Go To Local
Show Remote Screen

GPRF

Power

RDY

RF Settings

Trigger

List Config.

Power

Statistic

Marker / Display

3.6 LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:6, Channel:20525, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
836.5	0.1	5.16	13	Pass

General Purpose RF Measurement - V3.7.50 - Base V 3.7.110
 Frequency: 836.50000 Ref. Level: 30.00 Connector:RF2COM

GPRF
Power
RDY
RF Settings
Trigger
List Config.
Power
Statistic
Marker / Display

Power Spectrum FFT Spectrum IQ Recorder IQ vs. Slot EPS



Statistic Count	
Sample Count	1023670
Sample Time	20.483 ms
Avg Power	20.646 dBm
Max Power	26.737 dBm
PAR	6.091 dB

Probability	
10,000%	2.297 dB
1,0000%	4.313 dB
0,1000%	5.156 dB
0,0100%	5.484 dB
0,0010%	5.719 dB
0,0001%	5.953 dB

Go To Local
Show Remote Screen

3.7 LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:7, Channel:20525, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
836.5	0.1	5.06	13	Pass

General Purpose RF Measurement - V3.7.50 - Base V 3.7.110

Power Spectrum FFT Spectrum IQ Recorder IQ vs. Slot EPS

Frequency: 836.50000 Ref. Level: 30.00 Connector:RF2COM

GPRF

Power RDY

RF Settings

Trigger

List Config.

Power Statistic

Marker / Display



Statistic Count	
Sample Count	999114
Sample Time	19.992 ms
Avg Power	20.718 dBm
Max Power	25.926 dBm
PAR	5.208 dB

Probability	
10,000%	2.859 dB
1,0000%	4.688 dB
0,1000%	5.063 dB
0,0100%	5.109 dB
0,0010%	5.156 dB
0,0001%	5.203 dB

Go To Local
Show Remote Screen

3.8 LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:8, Channel:20525, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
836.5	0.1	5.86	13	Pass

General Purpose RF Measurement - V3.7.50 - Base V 3.7.110

Power Spectrum FFT Spectrum IQ Recorder IQ vs. Slot EPS

Frequency: 836.50000 Ref. Level: 30.00 Connector:RF2COM

GPRF

Power RDY

RF Settings

Trigger

List Config.

Power Statistic

Marker / Display



Statistic	Value	Probability	Value
Sample Count	1023670	10,000%	2.813 dB
Sample Time	20.483 ms	1,0000%	4.922 dB
Avg Power	19.645 dBm	0,1000%	5.859 dB
Max Power	26.392 dBm	0,0100%	6.234 dB
PAR	6.748 dB	0,0010%	6.469 dB
		0,0001%	6.609 dB

Go To Local
Show Remote Screen

3.9 LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:9, Channel:20600, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
844	0.1	3.09	13	Pass

General Purpose RF Measurement - V3.7.50 - Base V 3.7.110

Power Spectrum FFT Spectrum IQ Recorder IQ vs. Slot EPS

Frequency: 844.00000 Ref. Level: 30.00 Connector:RF2COM

GPRF

Power

RDY

RF Settings

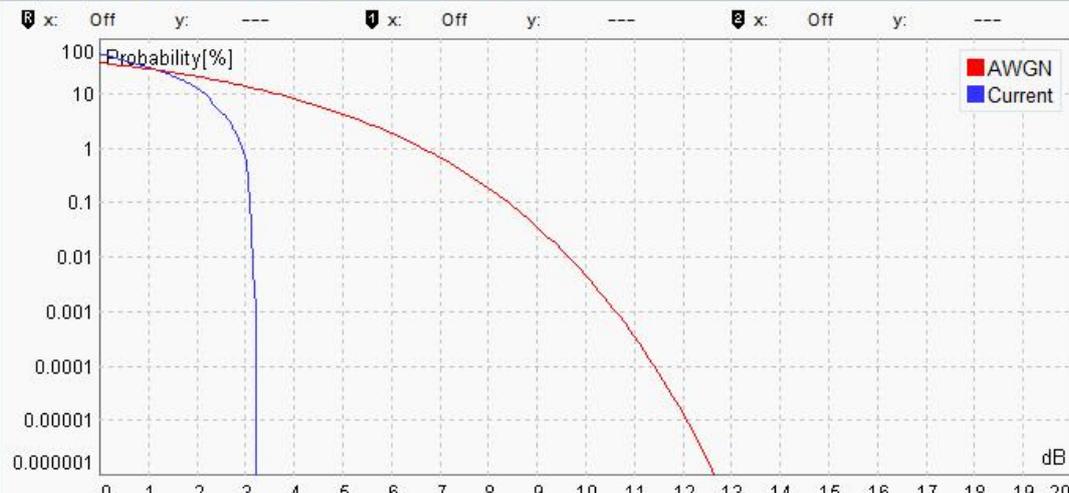
Trigger

List Config.

Power

Statistic

Marker / Display



Statistic Count	
Sample Count	999112
Sample Time	19.992 ms
Avg Power	21.594 dBm
Max Power	24.870 dBm
PAR	3.276 dB

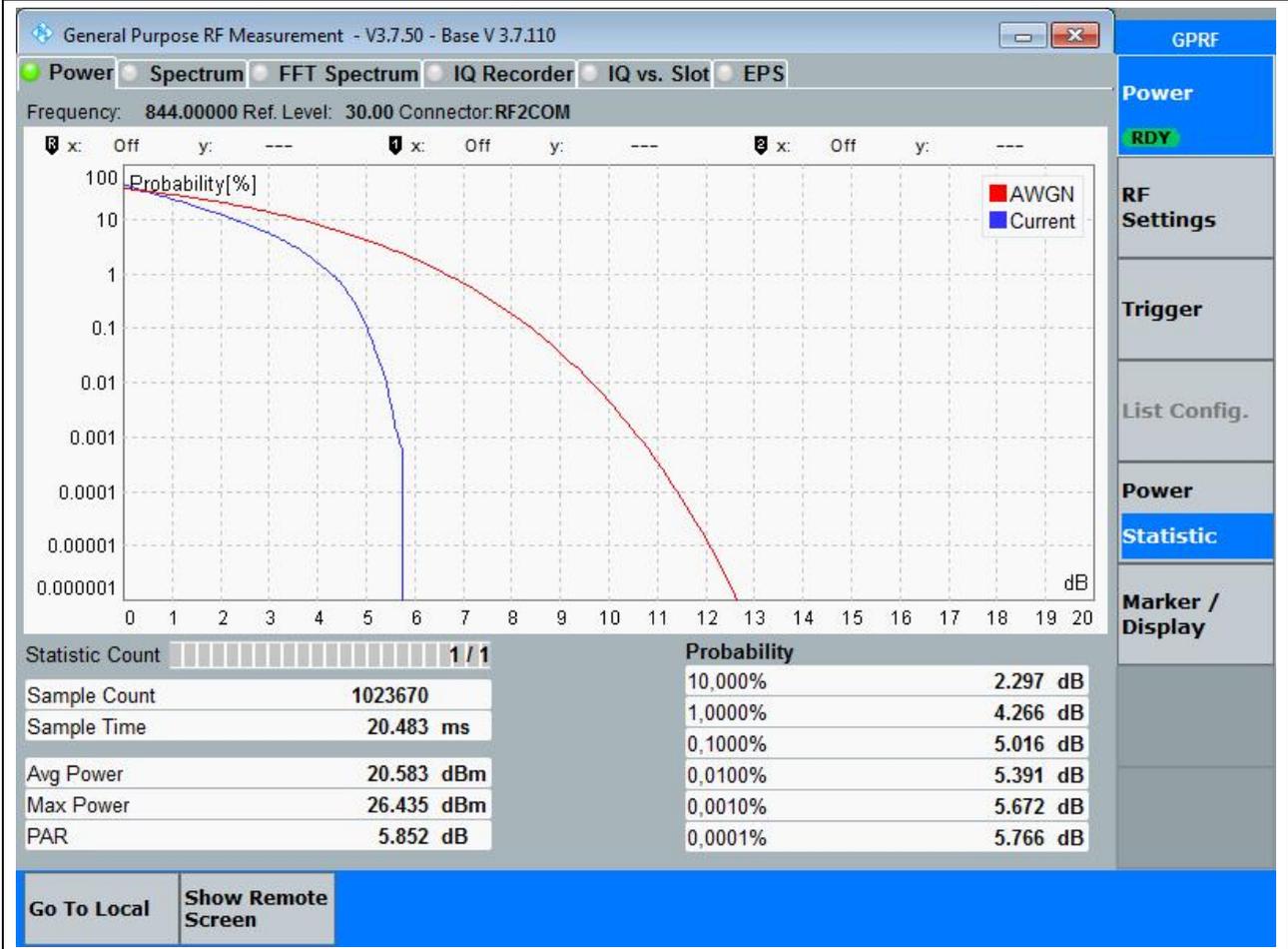
Probability	
10,000%	2.156 dB
1,0000%	2.953 dB
0,1000%	3.094 dB
0,0100%	3.141 dB
0,0010%	3.234 dB
0,0001%	3.234 dB

Go To Local

Show Remote Screen

3.10 LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:10, Channel:20600, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
844	0.1	5.02	13	Pass



3.11 LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:11, Channel:20600, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
844	0.1	3.84	13	Pass

General Purpose RF Measurement - V3.7.50 - Base V 3.7.110

GPRF

Power | Spectrum | FFT Spectrum | IQ Recorder | IQ vs. Slot | EPS

Frequency: 844.00000 Ref. Level: 30.00 Connector:RF2COM

x: Off y: ---
x: Off y: ---
x: Off y: ---



Statistic Count 1 / 1		Probability	
Sample Count	999112	10,000%	2.625 dB
Sample Time	19.992 ms	1,0000%	3.656 dB
		0,1000%	3.844 dB
Avg Power	20.813 dBm	0,0100%	3.891 dB
Max Power	24.967 dBm	0,0010%	4.031 dB
PAR	4.154 dB	0,0001%	4.078 dB

Go To Local
Show Remote Screen

GPRF

Power

RDY

RF Settings

Trigger

List Config.

Power

Statistic

Marker / Display

3.12 LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:12, Channel:20600, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
844	0.1	5.81	13	Pass

General Purpose RF Measurement - V3.7.50 - Base V 3.7.110

GPRF

● Power Spectrum FFT Spectrum IQ Recorder IQ vs. Slot EPS

Frequency: 844.00000 Ref. Level: 30.00 Connector:RF2COM

x: Off y: ---
x: Off y: ---
x: Off y: ---



Statistic Count		Probability	
Sample Count	1024090	10,000%	2.813 dB
Sample Time	20.492 ms	1,0000%	4.875 dB
Avg Power	19.551 dBm	0,1000%	5.813 dB
Max Power	26.242 dBm	0,0100%	6.188 dB
PAR	6.691 dB	0,0010%	6.469 dB
		0,0001%	6.609 dB

Go To Local
Show Remote Screen

GPRF

Power

RDY

RF Settings

Trigger

List Config.

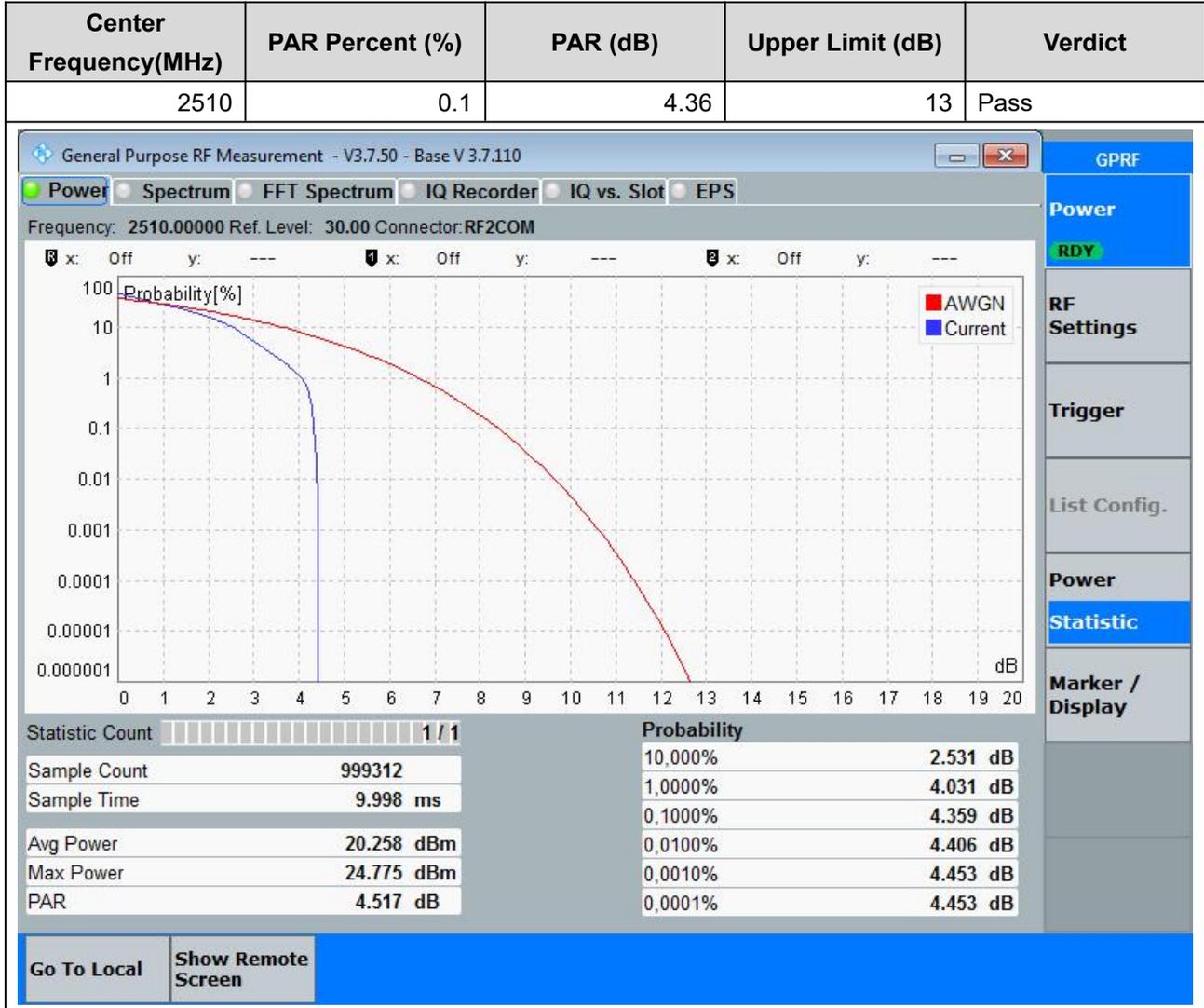
Power

Statistic

Marker / Display

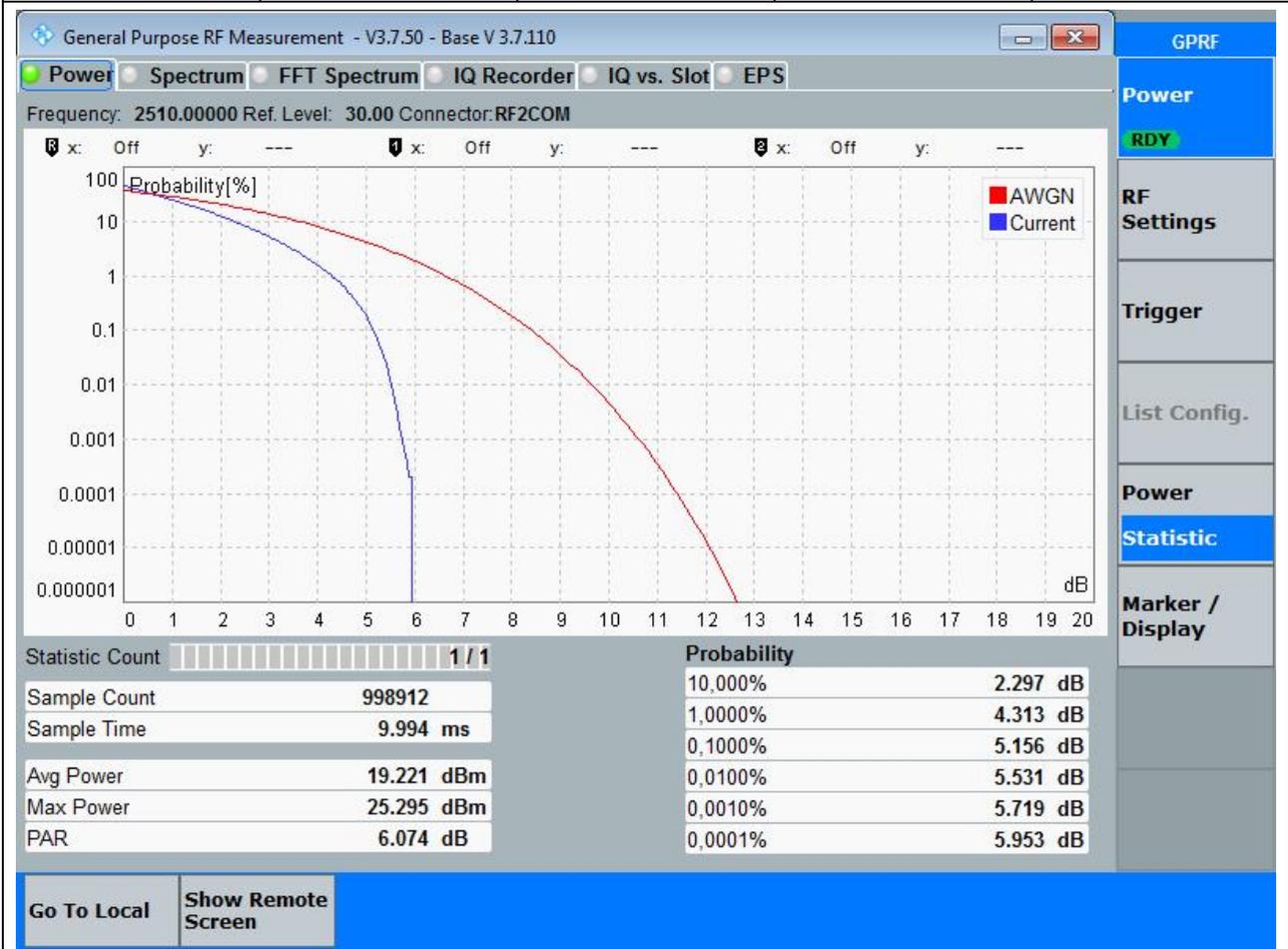
4. LTE_Band7

4.1 LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:1, Channel:20850, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)



4.2 LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:2, Channel:20850, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2510	0.1	5.16	13	Pass



4.3 LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:3, Channel:20850, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2510	0.1	5.11	13	Pass

General Purpose RF Measurement - V3.7.50 - Base V 3.7.110

Power Spectrum FFT Spectrum IQ Recorder IQ vs. Slot EPS

Frequency: 2510.00000 Ref. Level: 30.00 Connector:RF2COM

GPRF

Power RDY

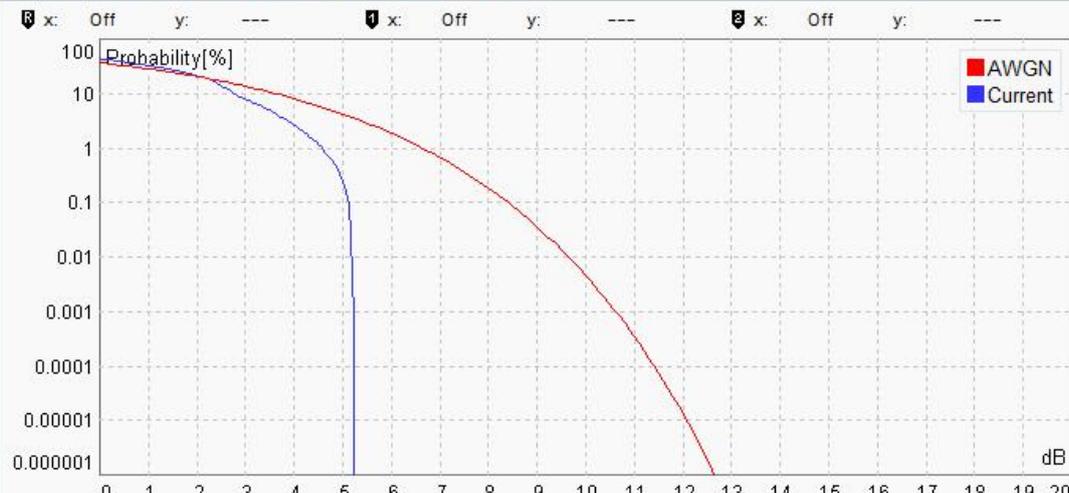
RF Settings

Trigger

List Config.

Power Statistic

Marker / Display



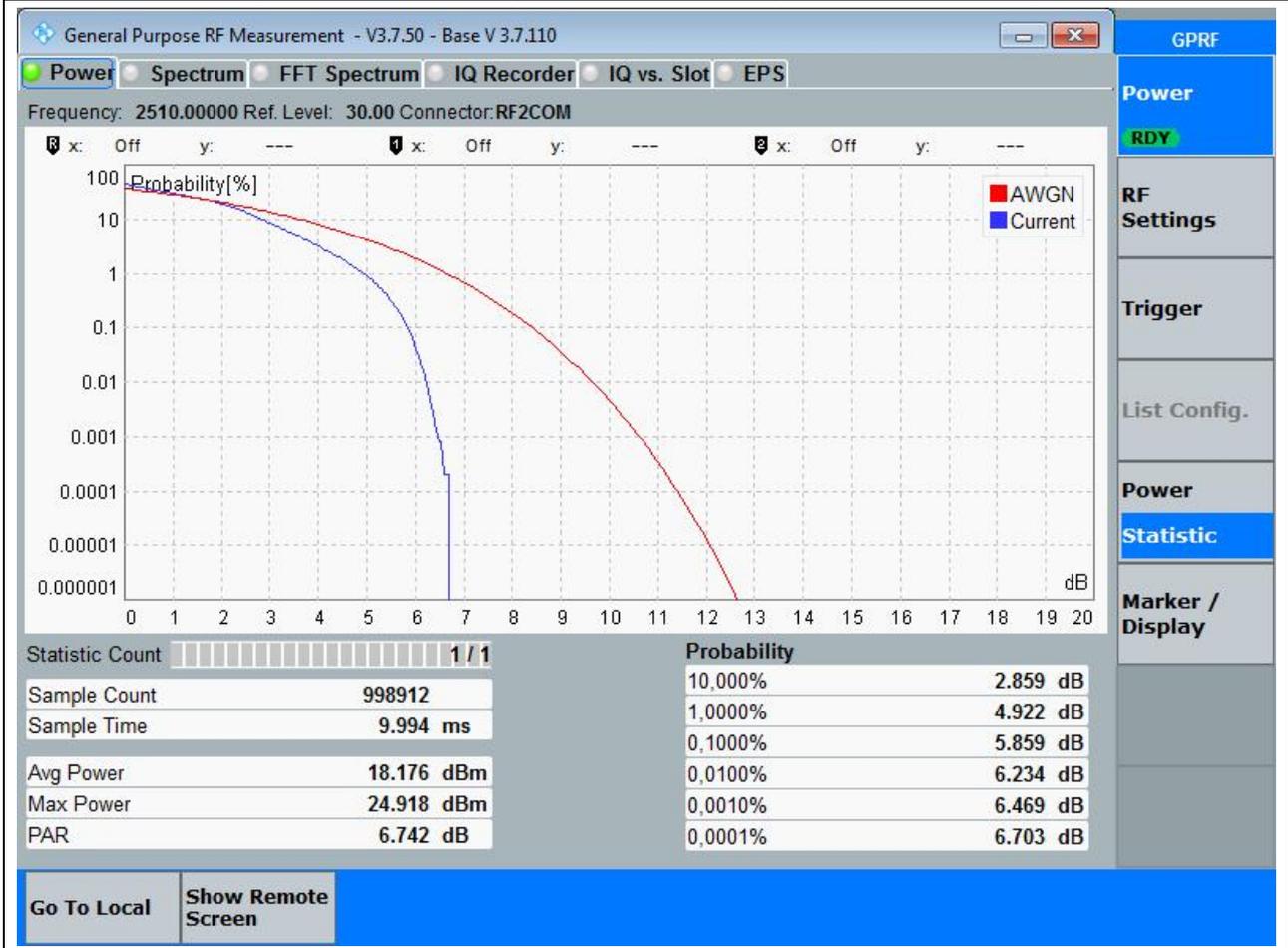
Statistic Count	
Sample Count	999112
Sample Time	9.996 ms
Avg Power	19.383 dBm
Max Power	24.655 dBm
PAR	5.272 dB

Probability	
10,000%	2.766 dB
1,0000%	4.594 dB
0,1000%	5.109 dB
0,0100%	5.203 dB
0,0010%	5.203 dB
0,0001%	5.250 dB

Go To Local
Show Remote Screen

4.4 LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:4, Channel:20850, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2510	0.1	5.86	13	Pass



4.5 LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:5, Channel:21100, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2535	0.1	4.45	13	Pass

General Purpose RF Measurement - V3.7.50 - Base V 3.7.110

Power Spectrum FFT Spectrum IQ Recorder IQ vs. Slot EPS

Frequency: 2535.00000 Ref. Level: 30.00 Connector:RF2COM

GPRF

Power RDY

RF Settings

Trigger

List Config.

Power Statistic

Marker / Display



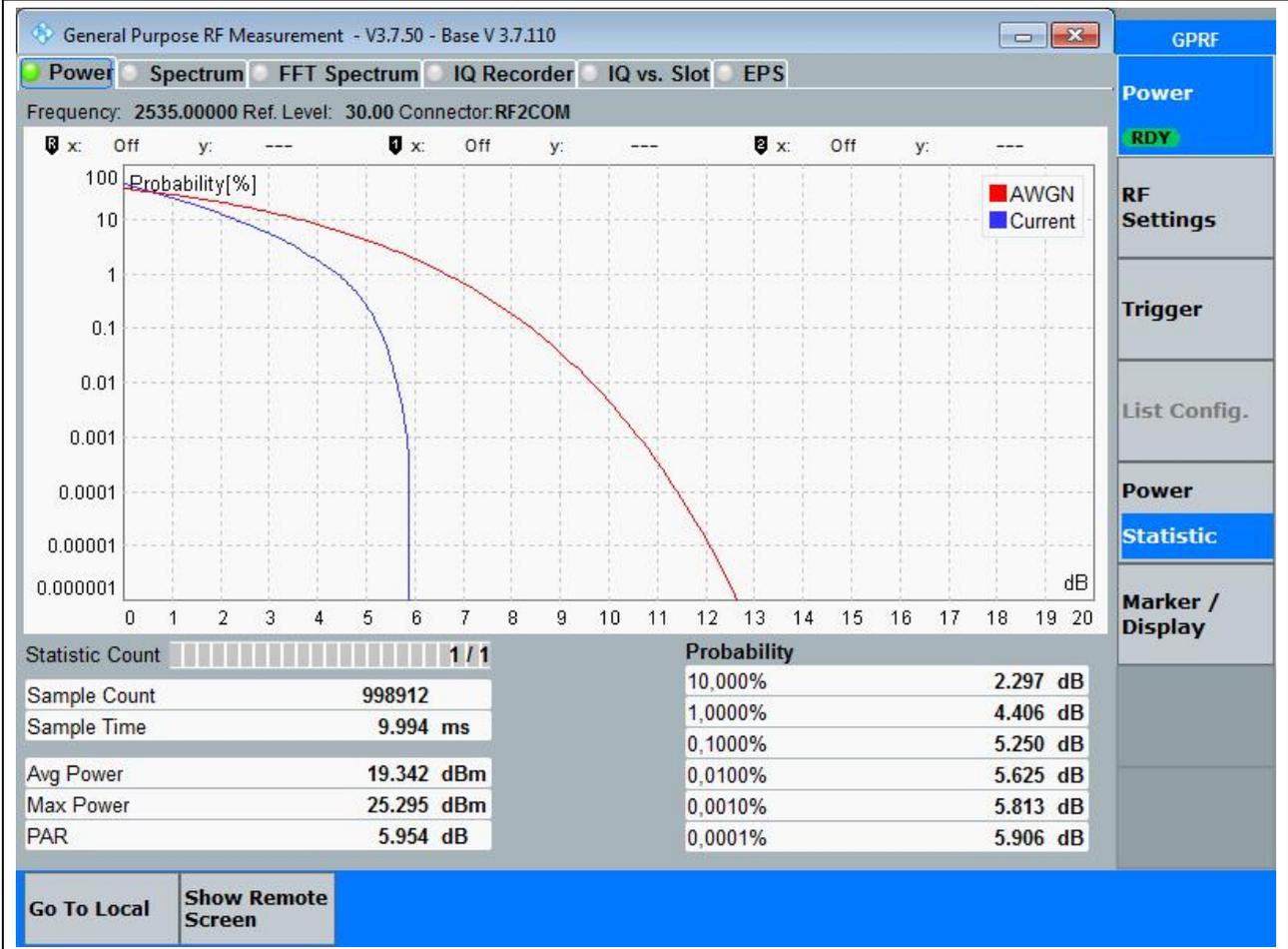
Statistic Count	
Sample Count	999112
Sample Time	9.996 ms
Avg Power	20.398 dBm
Max Power	24.985 dBm
PAR	4.586 dB

Probability	
10,000%	2.531 dB
1,0000%	4.219 dB
0,1000%	4.453 dB
0,0100%	4.500 dB
0,0010%	4.500 dB
0,0001%	4.547 dB

Go To Local
Show Remote Screen

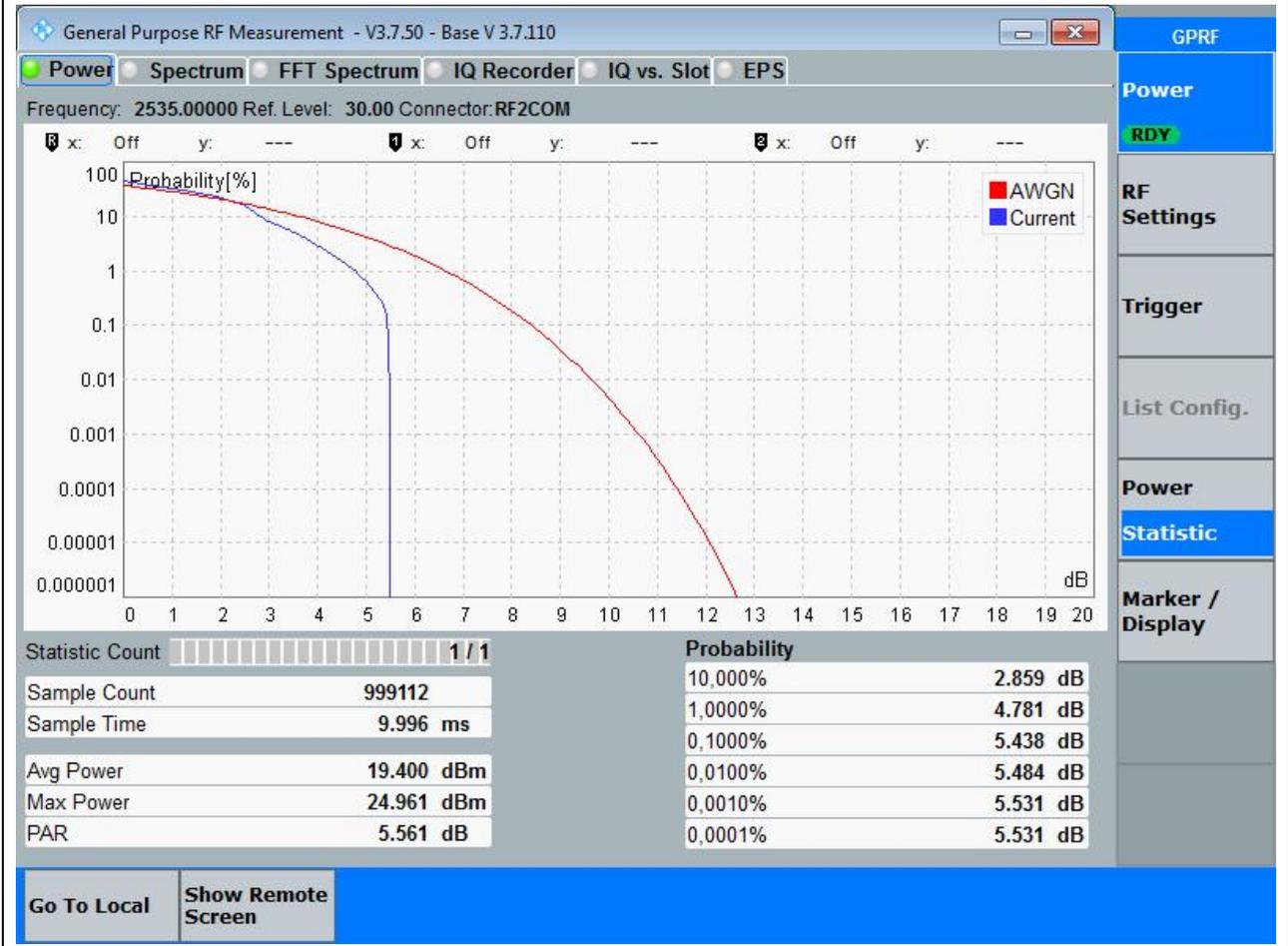
4.6 LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:6, Channel:21100, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2535	0.1	5.25	13	Pass



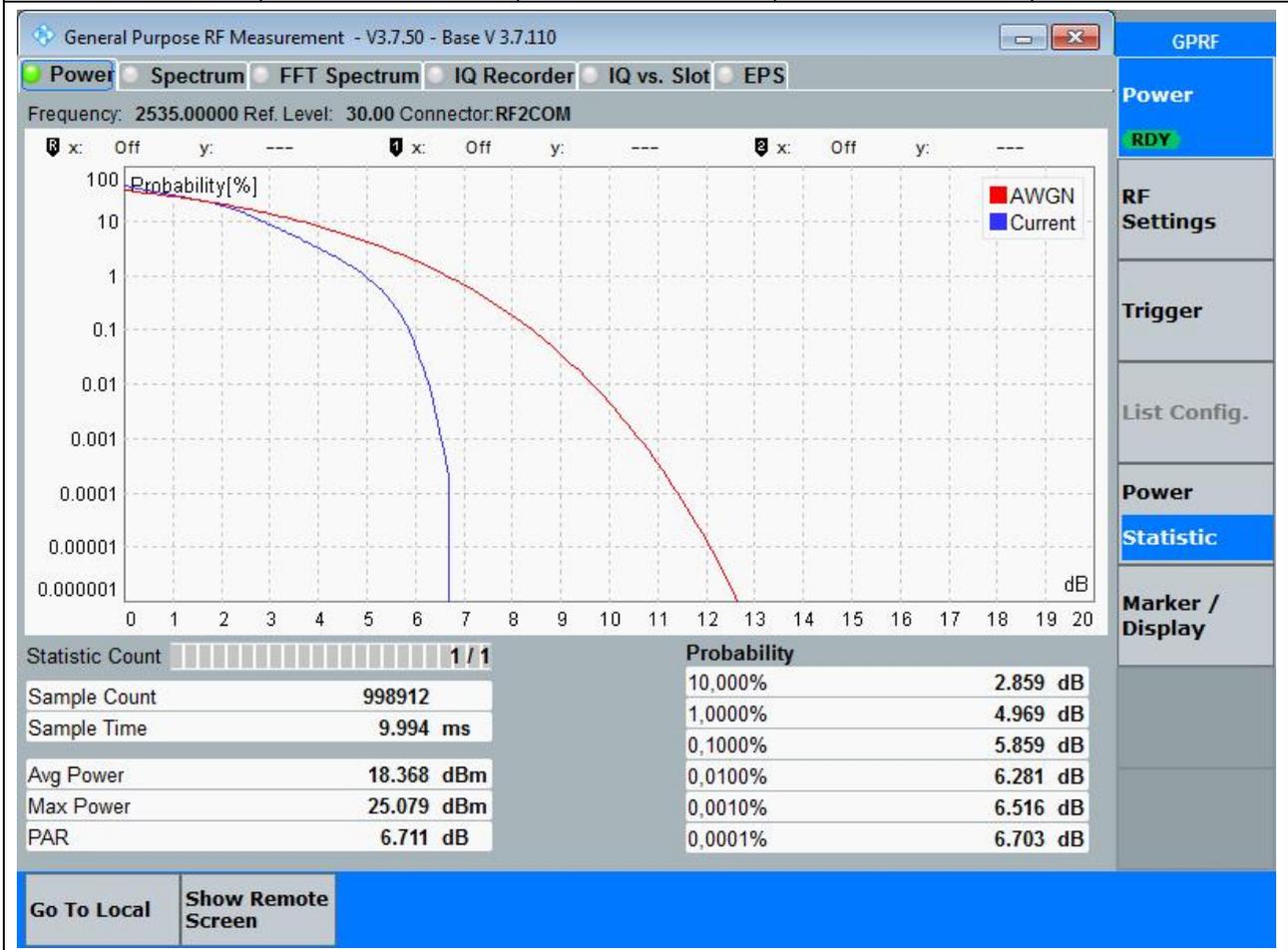
4.7 LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:7, Channel:21100, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2535	0.1	5.44	13	Pass

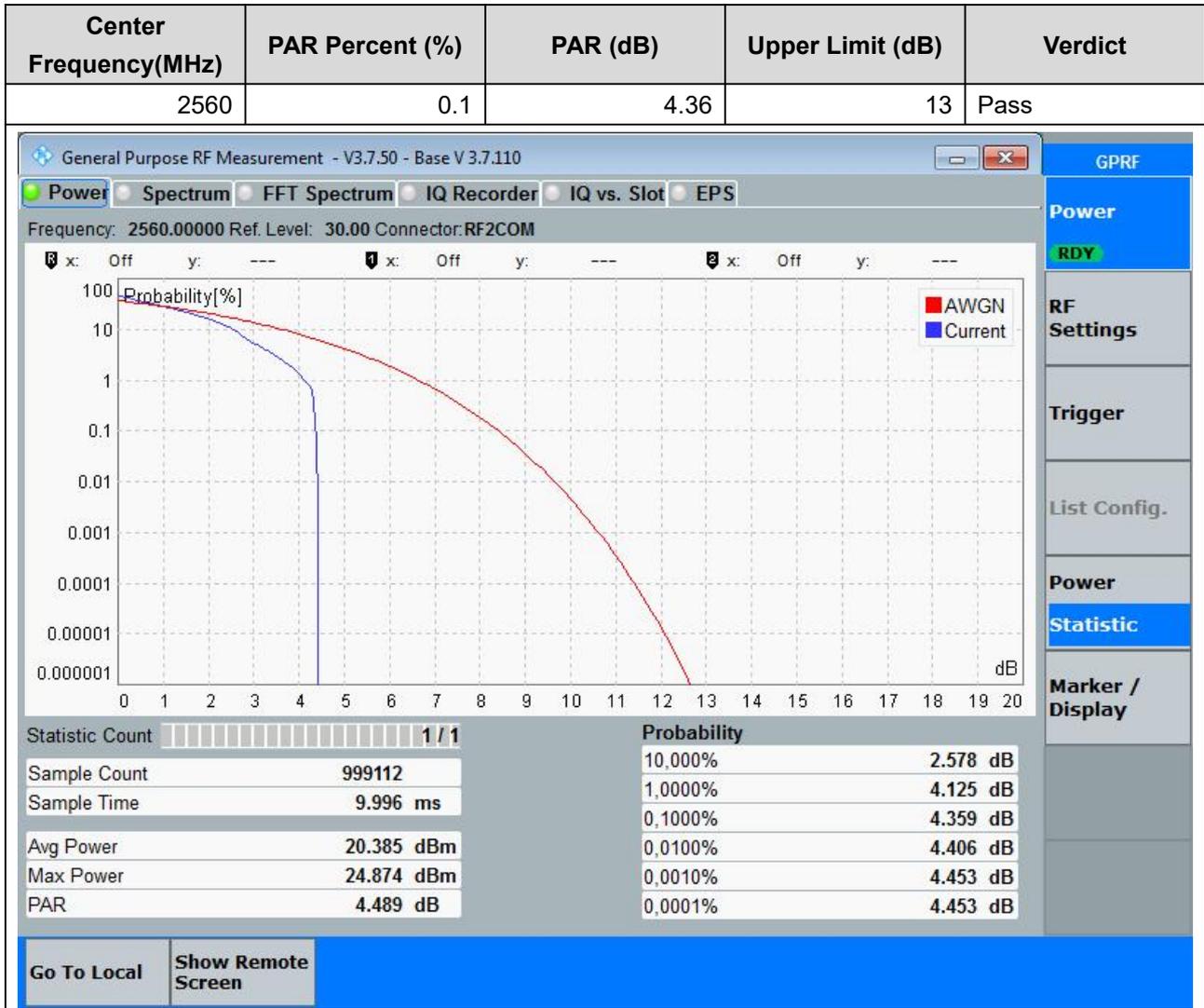


4.8 LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:8, Channel:21100, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2535	0.1	5.86	13	Pass

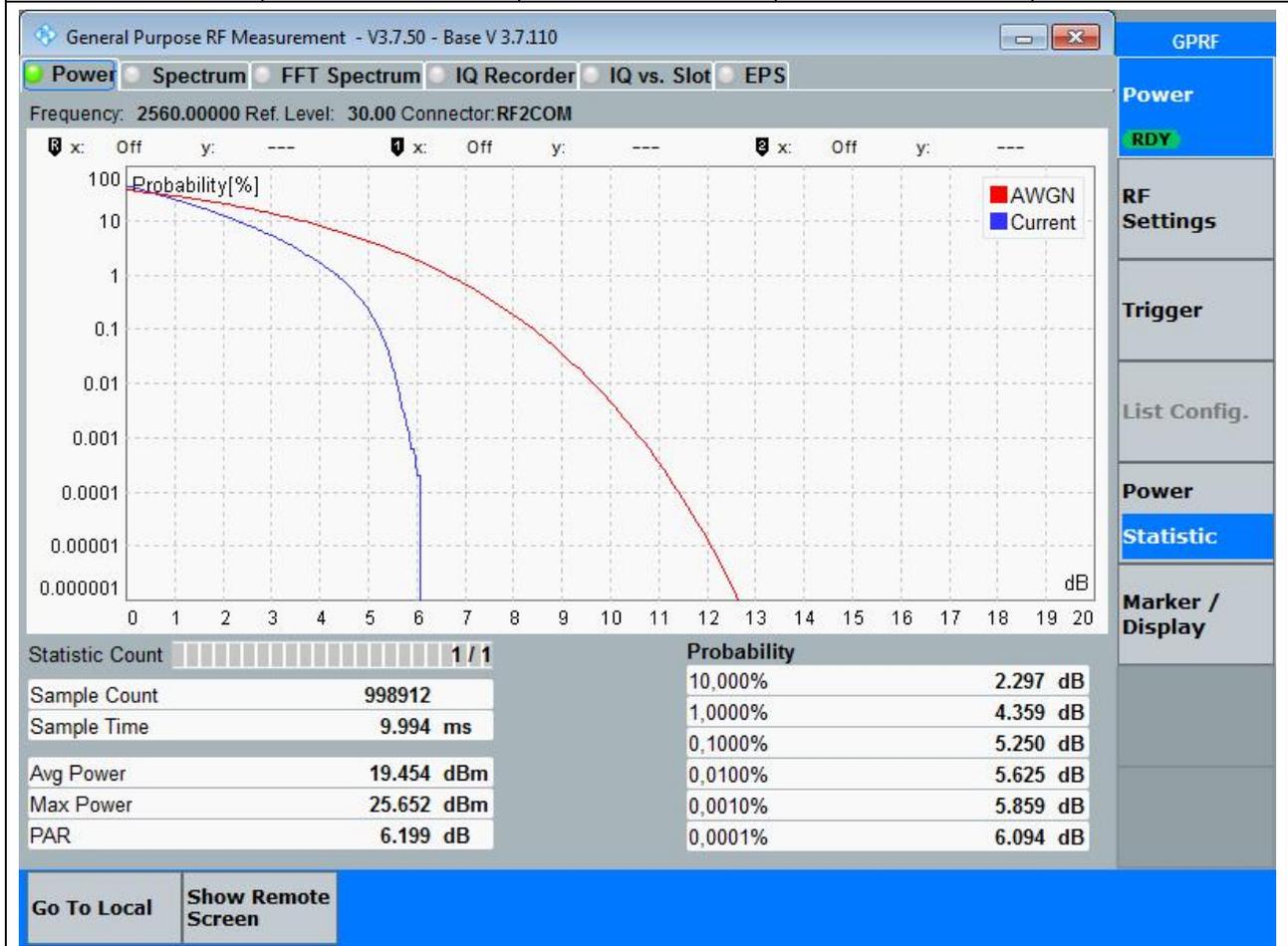


4.9 LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:9, Channel:21350, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)



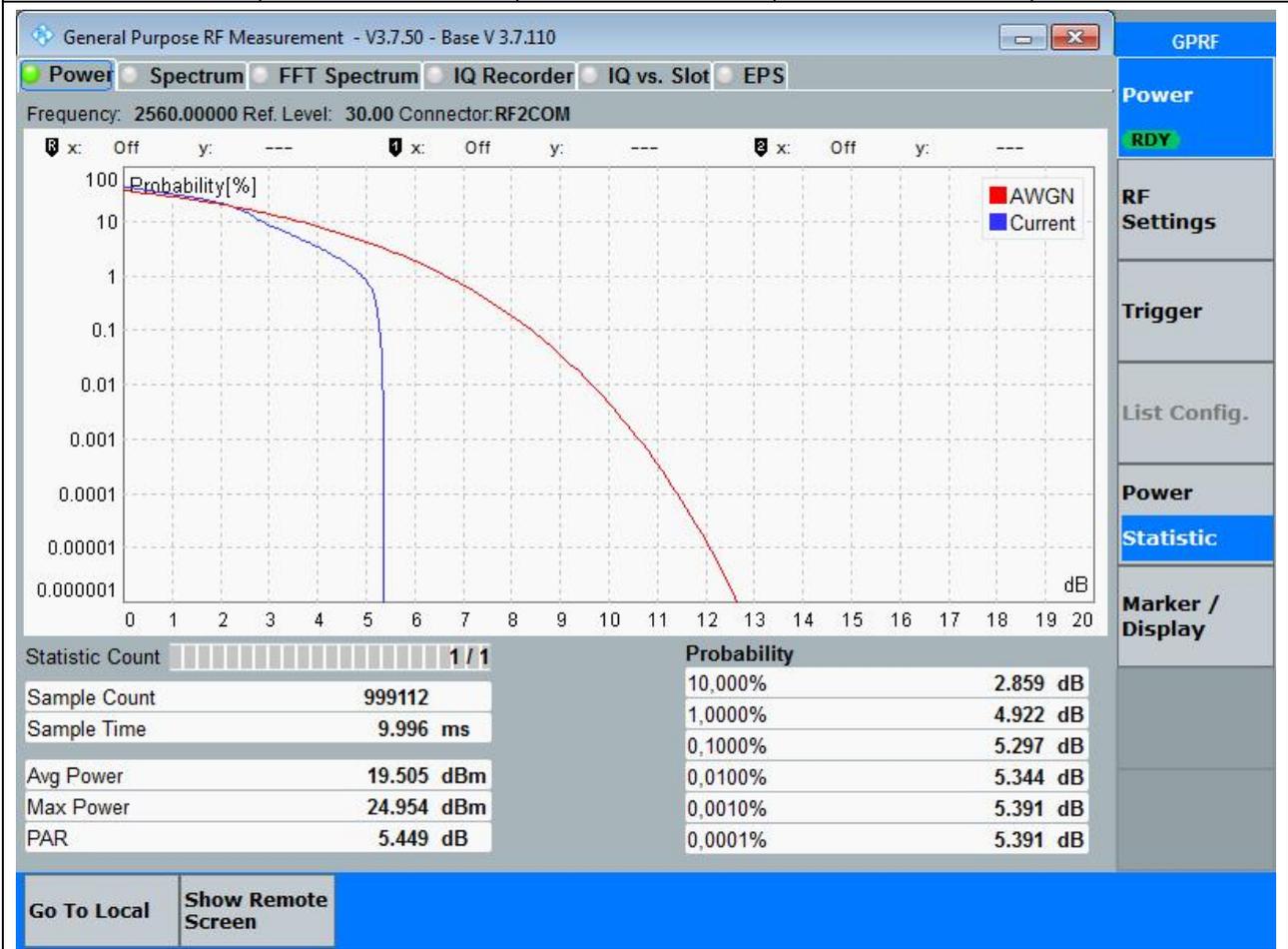
4.10 LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:10, Channel:21350, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2560	0.1	5.25	13	Pass



4.11 LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:11, Channel:21350, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2560	0.1	5.3	13	Pass



4.12 LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:12, Channel:21350, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2560	0.1	5.86	13	Pass

General Purpose RF Measurement - V3.7.50 - Base V 3.7.110
 Frequency: 2560.00000 Ref. Level: 30.00 Connector:RF2COM

GPRF

Power
Spectrum
FFT Spectrum
IQ Recorder
IQ vs. Slot
EPS

x: Off y: --- x: Off y: --- x: Off y: ---

■ AWGN
■ Current



Statistic Count 1 / 1	Probability
Sample Count 998912	10,000% 2.859 dB
Sample Time 9.994 ms	1,0000% 4.922 dB
Avg Power 18.446 dBm	0,1000% 5.859 dB
Max Power 25.283 dBm	0,0100% 6.234 dB
PAR 6.836 dB	0,0010% 6.422 dB
	0,0001% 6.609 dB

Go To Local
Show Remote Screen

Power

RDY

RF Settings

Trigger

List Config.

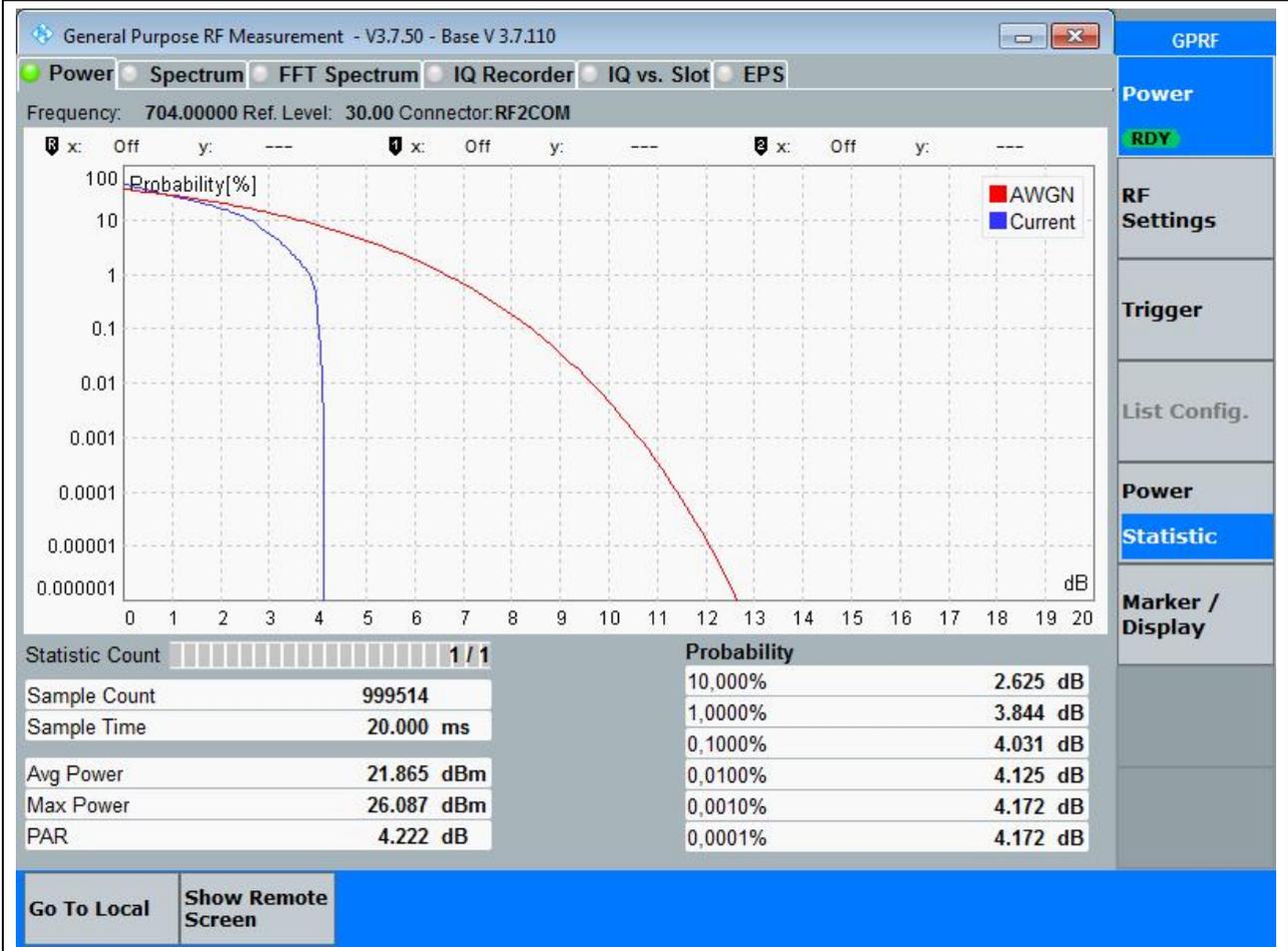
Power
Statistic

Marker / Display

5. LTE_Band12

5.1 LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:1, Channel:23060, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
704	0.1	4.03	13	Pass



5.2 LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:2, Channel:23060, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
704	0.1	5.25	13	Pass

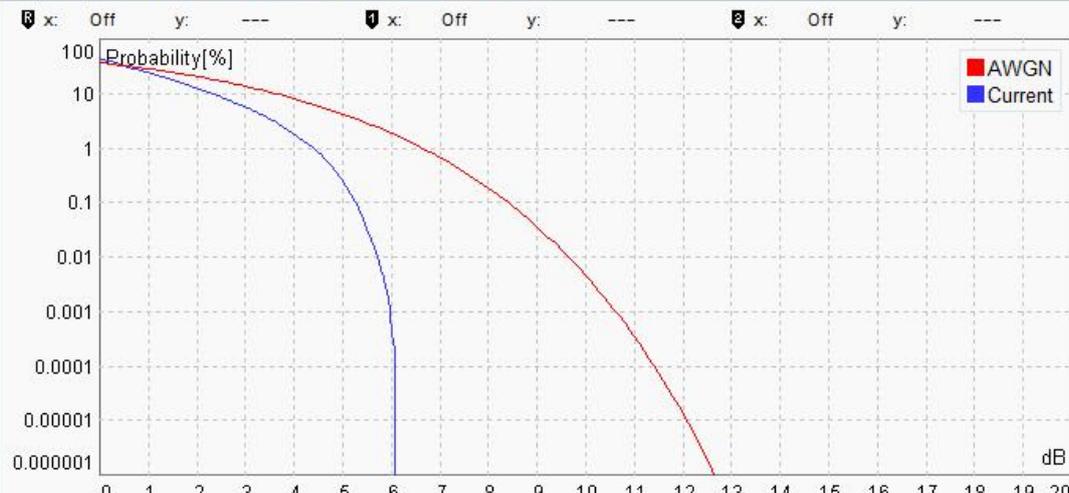
General Purpose RF Measurement - V3.7.50 - Base V 3.7.110

GPRF

● Power ● Spectrum ● FFT Spectrum ● IQ Recorder ● IQ vs. Slot ● EPS

Frequency: 704.00000 Ref. Level: 30.00 Connector:RF2COM

⏏ x: Off y: ---
⏏ x: Off y: ---
⏏ x: Off y: ---



Statistic Count	
Sample Count	1023670
Sample Time	20.483 ms
Avg Power	20.838 dBm
Max Power	26.975 dBm
PAR	6.137 dB

Probability	
10,000%	2.344 dB
1,0000%	4.406 dB
0,1000%	5.250 dB
0,0100%	5.719 dB
0,0010%	5.953 dB
0,0001%	6.094 dB

Go To Local
Show Remote Screen

GPRF

Power

RDY

RF Settings

Trigger

List Config.

Power

Statistic

Marker / Display

5.3 LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:3, Channel:23060, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
704	0.1	4.78	13	Pass

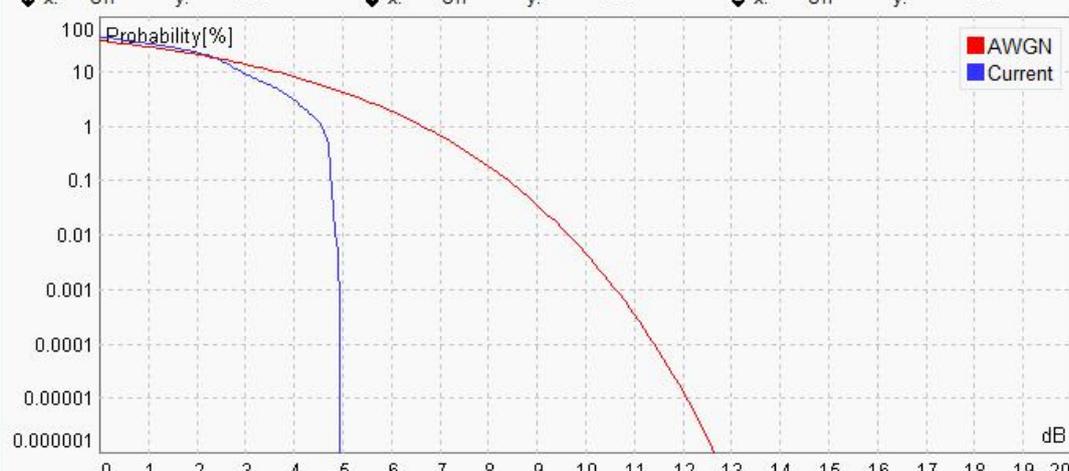
General Purpose RF Measurement - V3.7.50 - Base V 3.7.110

GPRF

● Power ● Spectrum ● FFT Spectrum ● IQ Recorder ● IQ vs. Slot ● EPS

Frequency: 704.00000 Ref. Level: 30.00 Connector:RF2COM

x: Off y: ---
x: Off y: ---
x: Off y: ---



Statistic Count		Probability	
Sample Count	999512	10,000%	2.906 dB
Sample Time	20.000 ms	1,0000%	4.547 dB
Avg Power	21.038 dBm	0,1000%	4.781 dB
Max Power	26.044 dBm	0,0100%	4.875 dB
PAR	5.007 dB	0,0010%	4.922 dB
		0,0001%	4.969 dB

Go To Local
Show Remote Screen

GPRF

Power

RDY

RF Settings

Trigger

List Config.

Power

Statistic

Marker / Display

5.4 LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:4, Channel:23060, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
704	0.1	5.91	13	Pass

General Purpose RF Measurement - V3.7.50 - Base V 3.7.110

GPRF

● Power Spectrum FFT Spectrum IQ Recorder IQ vs. Slot EPS

Frequency: 704.00000 Ref. Level: 30.00 Connector:RF2COM

x: Off y: ---
x: Off y: ---
x: Off y: ---



Statistic Count	
Sample Count	1023670
Sample Time	20.483 ms
Avg Power	19.816 dBm
Max Power	26.577 dBm
PAR	6.761 dB

Probability	
10,000%	2.859 dB
1,0000%	4.969 dB
0,1000%	5.906 dB
0,0100%	6.375 dB
0,0010%	6.656 dB
0,0001%	6.703 dB

Go To Local
Show Remote Screen

GPRF

Power

RDY

RF Settings

Trigger

List Config.

Power

Statistic

Marker / Display

5.5 LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:5, Channel:23095, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
707.5	0.1	3.8	13	Pass

General Purpose RF Measurement - V3.7.50 - Base V 3.7.110

Power Spectrum FFT Spectrum IQ Recorder IQ vs. Slot EPS

Frequency: 707.50000 Ref. Level: 30.00 Connector:RF2COM

GPRF

Power RDY

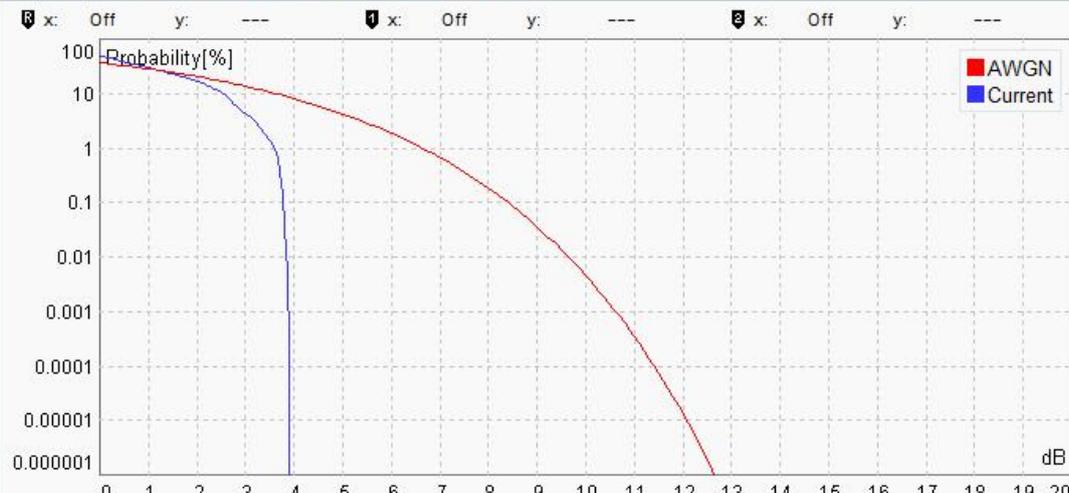
RF Settings

Trigger

List Config.

Power Statistic

Marker / Display



Statistic Count	
Sample Count	999512
Sample Time	20.000 ms
Avg Power	21.889 dBm
Max Power	25.830 dBm
PAR	3.941 dB

Probability	
10,000%	2.531 dB
1,000%	3.609 dB
0,100%	3.797 dB
0,010%	3.844 dB
0,001%	3.891 dB
0,0001%	3.938 dB

Go To Local
Show Remote Screen

5.6 LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:6, Channel:23095, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
707.5	0.1	5.2	13	Pass

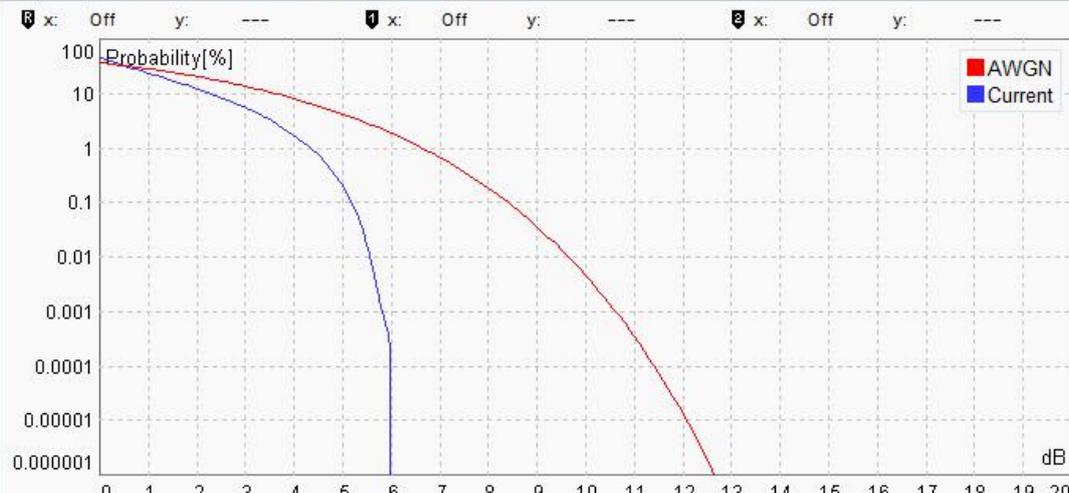
General Purpose RF Measurement - V3.7.50 - Base V 3.7.110

GPRF

● Power Spectrum FFT Spectrum IQ Recorder IQ vs. Slot EPS

Frequency: 707.50000 Ref. Level: 30.00 Connector:RF2COM

x: Off y: ---
x: Off y: ---
x: Off y: ---



Statistic Count 1 / 1	Probability
Sample Count 1023670	10,000% 2.297 dB
Sample Time 20.483 ms	1,0000% 4.359 dB
Avg Power 20.784 dBm	0,1000% 5.203 dB
Max Power 26.867 dBm	0,0100% 5.578 dB
PAR 6.083 dB	0,0010% 5.813 dB
	0,0001% 6.000 dB

Go To Local
Show Remote Screen

GPRF

Power

RDY

RF Settings

Trigger

List Config.

Power

Statistic

Marker / Display

5.7 LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:7, Channel:23095, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
707.5	0.1	4.69	13	Pass

General Purpose RF Measurement - V3.7.50 - Base V 3.7.110

Power Spectrum FFT Spectrum IQ Recorder IQ vs. Slot EPS

Frequency: 707.50000 Ref. Level: 30.00 Connector:RF2COM

GPRF

Probability[%]



Statistic Count	
Sample Count	999512
Sample Time	20.000 ms
Avg Power	20.849 dBm
Max Power	25.725 dBm
PAR	4.876 dB

Probability	
10,000%	2.906 dB
1,0000%	4.406 dB
0,1000%	4.688 dB
0,0100%	4.734 dB
0,0010%	4.828 dB
0,0001%	4.875 dB

Go To Local

Show Remote Screen

Power

RDY

RF Settings

Trigger

List Config.

Power

Statistic

Marker / Display

5.8 LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:8, Channel:23095, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
707.5	0.1	5.86	13	Pass

General Purpose RF Measurement - V3.7.50 - Base V 3.7.110

Power Spectrum FFT Spectrum IQ Recorder IQ vs. Slot EPS

Frequency: 707.50000 Ref. Level: 30.00 Connector:RF2COM

GPRF

Power RDY

RF Settings

Trigger

List Config.

Power Statistic

Marker / Display



Statistic Count	
Sample Count	1023670
Sample Time	20.483 ms
Avg Power	19.760 dBm
Max Power	26.458 dBm
PAR	6.698 dB

Probability	
10,000%	2.813 dB
1,0000%	4.922 dB
0,1000%	5.859 dB
0,0100%	6.281 dB
0,0010%	6.516 dB
0,0001%	6.609 dB

Go To Local
Show Remote Screen

5.9 LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:9, Channel:23130, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
711	0.1	3.89	13	Pass

General Purpose RF Measurement - V3.7.50 - Base V 3.7.110

Power Spectrum FFT Spectrum IQ Recorder IQ vs. Slot EPS

Frequency: 711.00000 Ref. Level: 30.00 Connector:RF2COM

GPRF

Power RDY

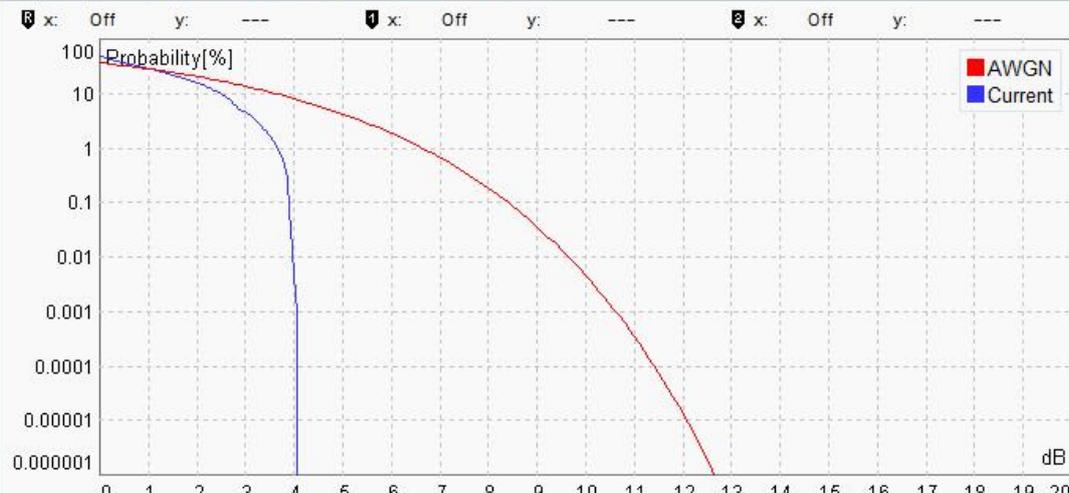
RF Settings

Trigger

List Config.

Power Statistic

Marker / Display



Statistic Count	
Sample Count	999512
Sample Time	20.000 ms
Avg Power	21.819 dBm
Max Power	25.938 dBm
PAR	4.119 dB

Probability	
10,000%	2.484 dB
1,0000%	3.656 dB
0,1000%	3.891 dB
0,0100%	3.984 dB
0,0010%	4.031 dB
0,0001%	4.078 dB

Go To Local

Show Remote Screen

5.10 LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:10, Channel:23130, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
711	0.1	5.25	13	Pass

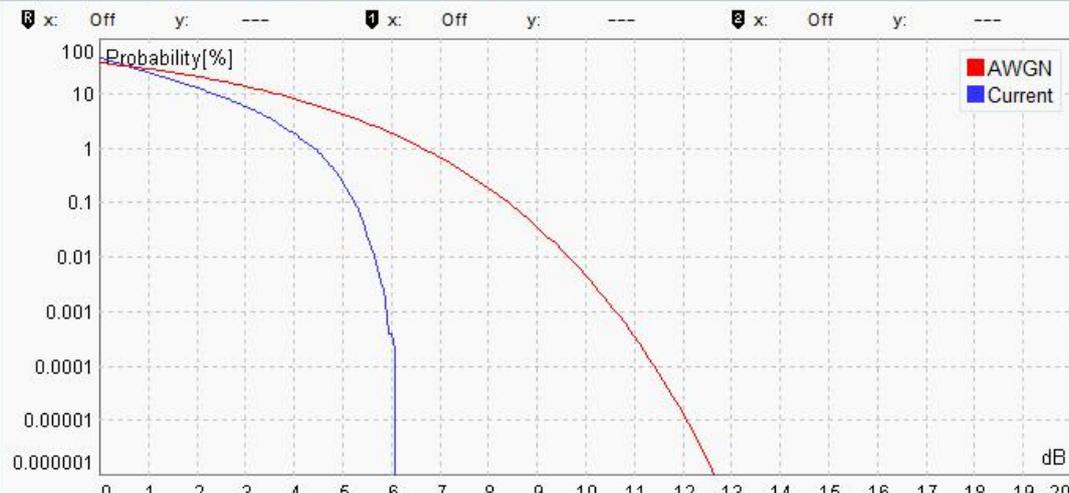
General Purpose RF Measurement - V3.7.50 - Base V 3.7.110
 Frequency: 711.00000 Ref. Level: 30.00 Connector:RF2COM

GPRF

Power
Spectrum
FFT Spectrum
IQ Recorder
IQ vs. Slot
EPS

x: Off y: --- x: Off y: --- x: Off y: ---

■ AWGN
■ Current



Statistic Count 1 / 1	Probability
Sample Count 1023250	10,000% 2.344 dB
Sample Time 20.475 ms	1,0000% 4.406 dB
Avg Power 20.810 dBm	0,1000% 5.250 dB
Max Power 26.919 dBm	0,0100% 5.672 dB
PAR 6.109 dB	0,0010% 5.906 dB
	0,0001% 6.094 dB

Go To Local
Show Remote Screen

Power

RDY

RF Settings

Trigger

List Config.

Power

Statistic

Marker / Display

5.11 LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:11, Channel:23130, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
711	0.1	4.64	13	Pass

General Purpose RF Measurement - V3.7.50 - Base V 3.7.110

Power Spectrum FFT Spectrum IQ Recorder IQ vs. Slot EPS

Frequency: 711.00000 Ref. Level: 30.00 Connector:RF2COM

GPRF

Power RDY

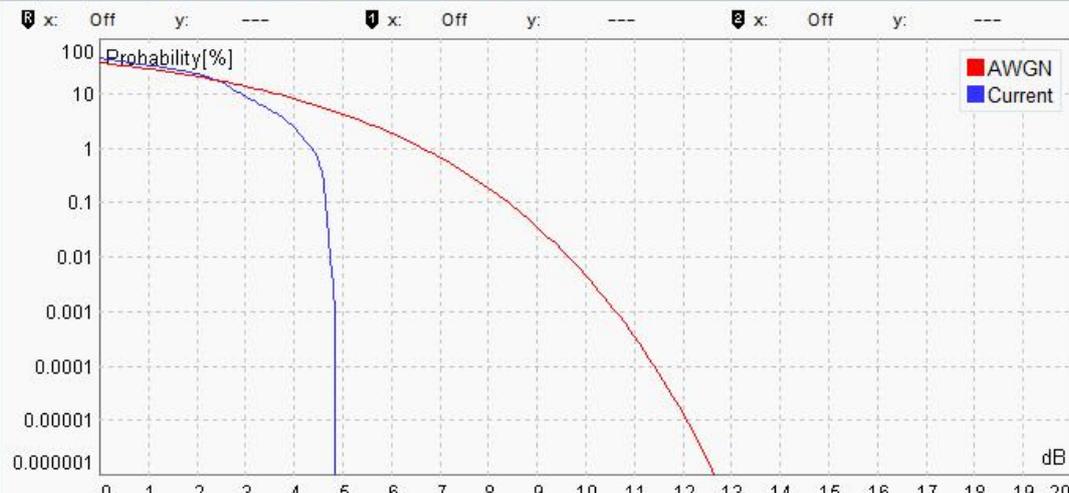
RF Settings

Trigger

List Config.

Power Statistic

Marker / Display



Statistic Count	
Sample Count	999912
Sample Time	20.008 ms
Avg Power	20.984 dBm
Max Power	25.897 dBm
PAR	4.913 dB

Probability	
10,000%	2.906 dB
1,0000%	4.359 dB
0,1000%	4.641 dB
0,0100%	4.734 dB
0,0010%	4.828 dB
0,0001%	4.875 dB

Go To Local
Show Remote Screen