

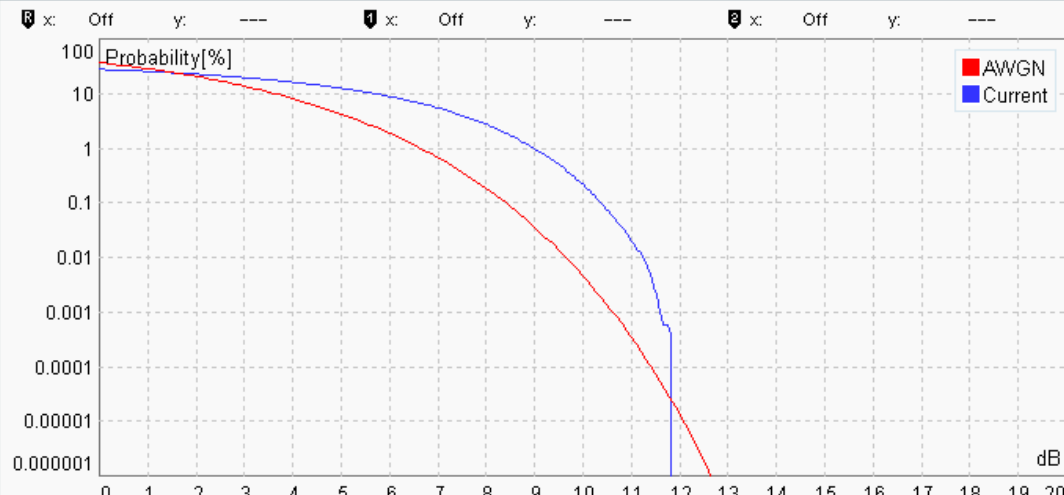
11.14. LTE-A Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:14, Channel:40546|40717, Bandwidth:20|15MHz, Modulation:16QAM, RB Number:Full|Full, RB Position:Low|Low)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2592.9	0.1	10.36	13	Pass

General Purpose RF Measurement - V3.5.110 - Base V 3.5.137

Power Spectrum FFT Spectrum IQ Recorder IQ vs. Slot EPS

Frequency: 2592.90000 Ref. Level: 35.00 Connector:RF2COM

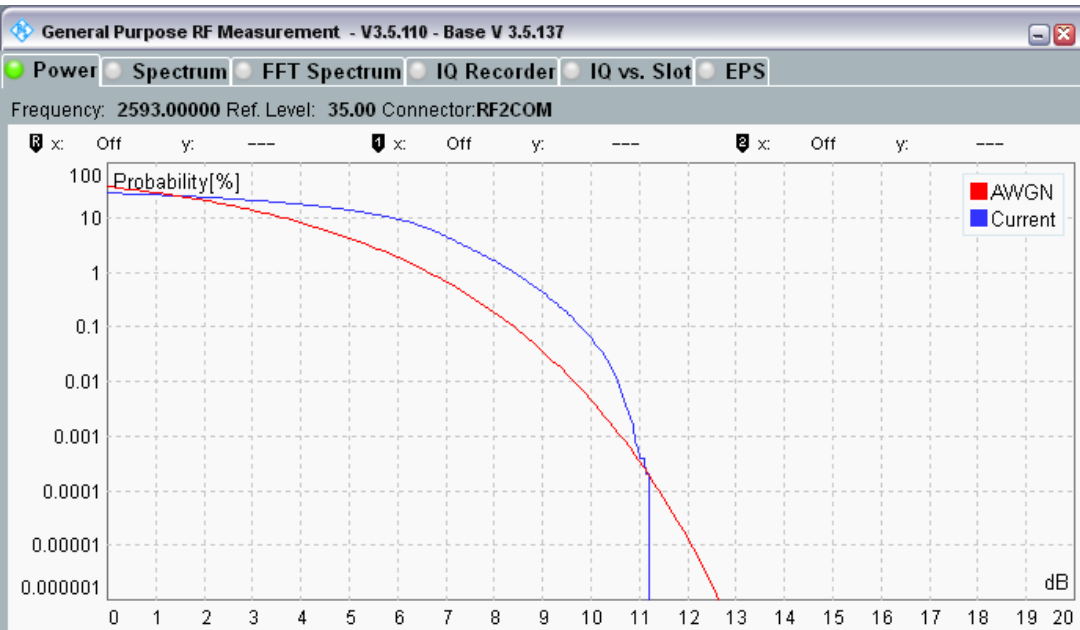


Statistic Count	1 / 1	Probability	
Sample Count	1023879	10,000%	5.672 dB
Sample Time	20.488 ms	1,0000%	8.953 dB
Avg Power	20.085 dBm	0,1000%	10.359 dB
Max Power	32.022 dBm	0,0010%	11.578 dB
PAR	11.937 dB	0,0001%	11.813 dB

Go To Local Show Remote Screen

11.15. LTE-A Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:15, Channel:40521|40719, Bandwidth:20|20MHz, Modulation:QPSK, RB Number:Full|Full, RB Position:Low|Low)

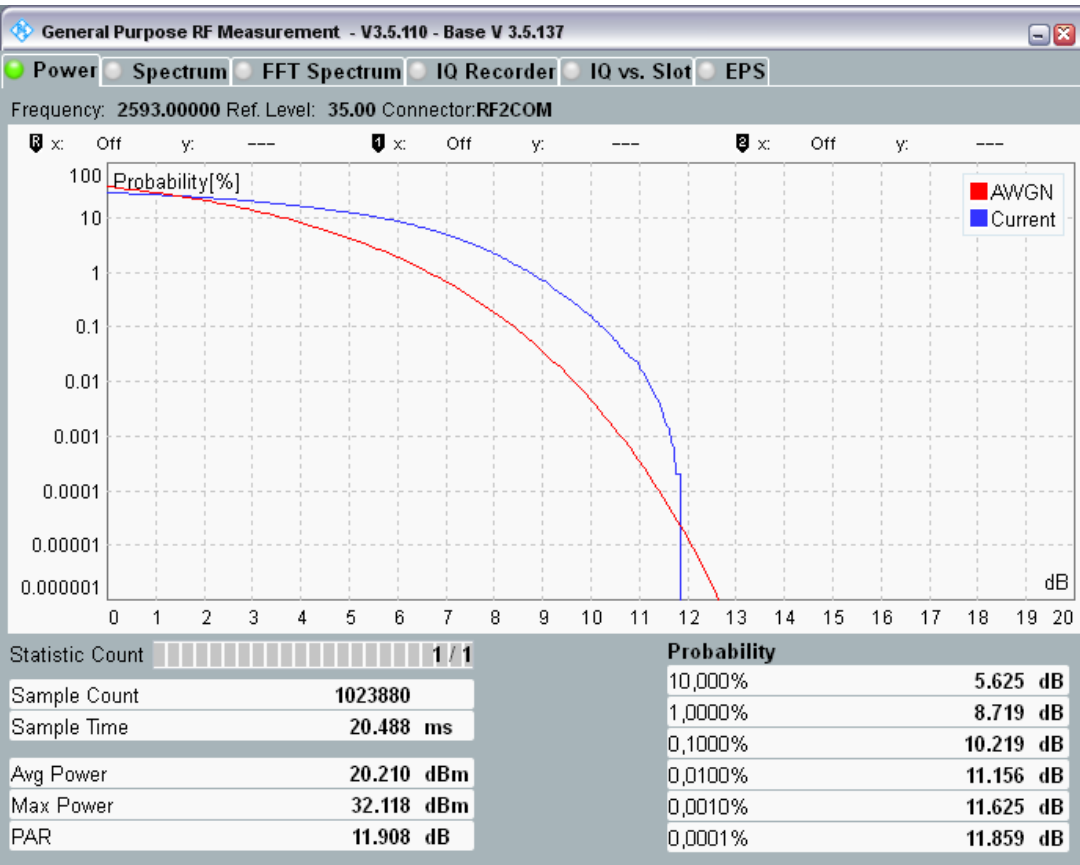
Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2593	0.1	9.8	13	Pass



Statistic Count		Probability	
Sample Count	999112	10,000%	5.859 dB
Sample Time	19.992 ms	1,0000%	8.391 dB
Avg Power	21.181 dBm	0,1000%	9.797 dB
Max Power	32.511 dBm	0,0010%	10.875 dB
PAR	11.330 dB	0,0001%	11.203 dB

11.16. LTE-A Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:16, Channel:40521|40719, Bandwidth:20|20MHz, Modulation:16QAM, RB Number:Full|Full, RB Position:Low|Low)

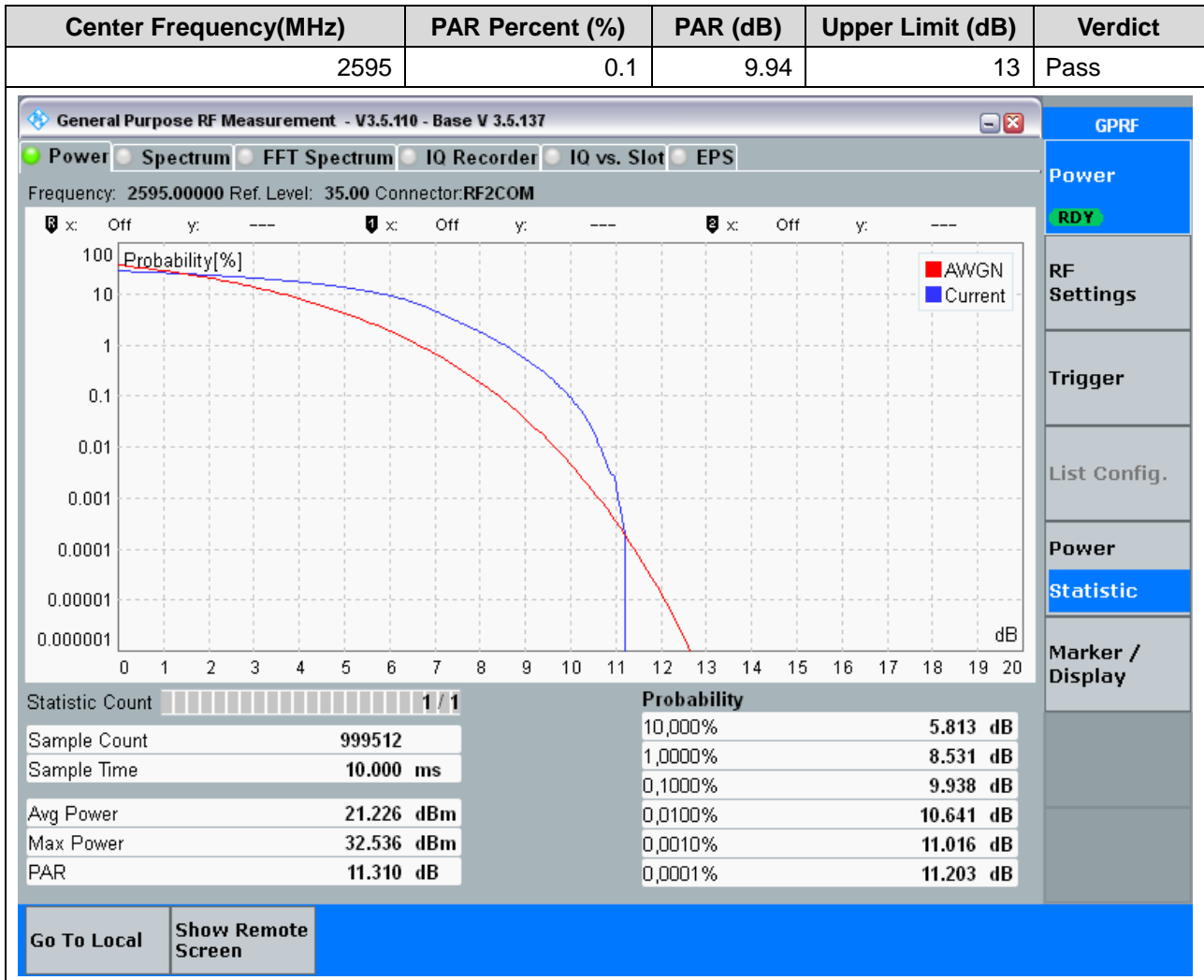
Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2593	0.1	10.22	13	Pass



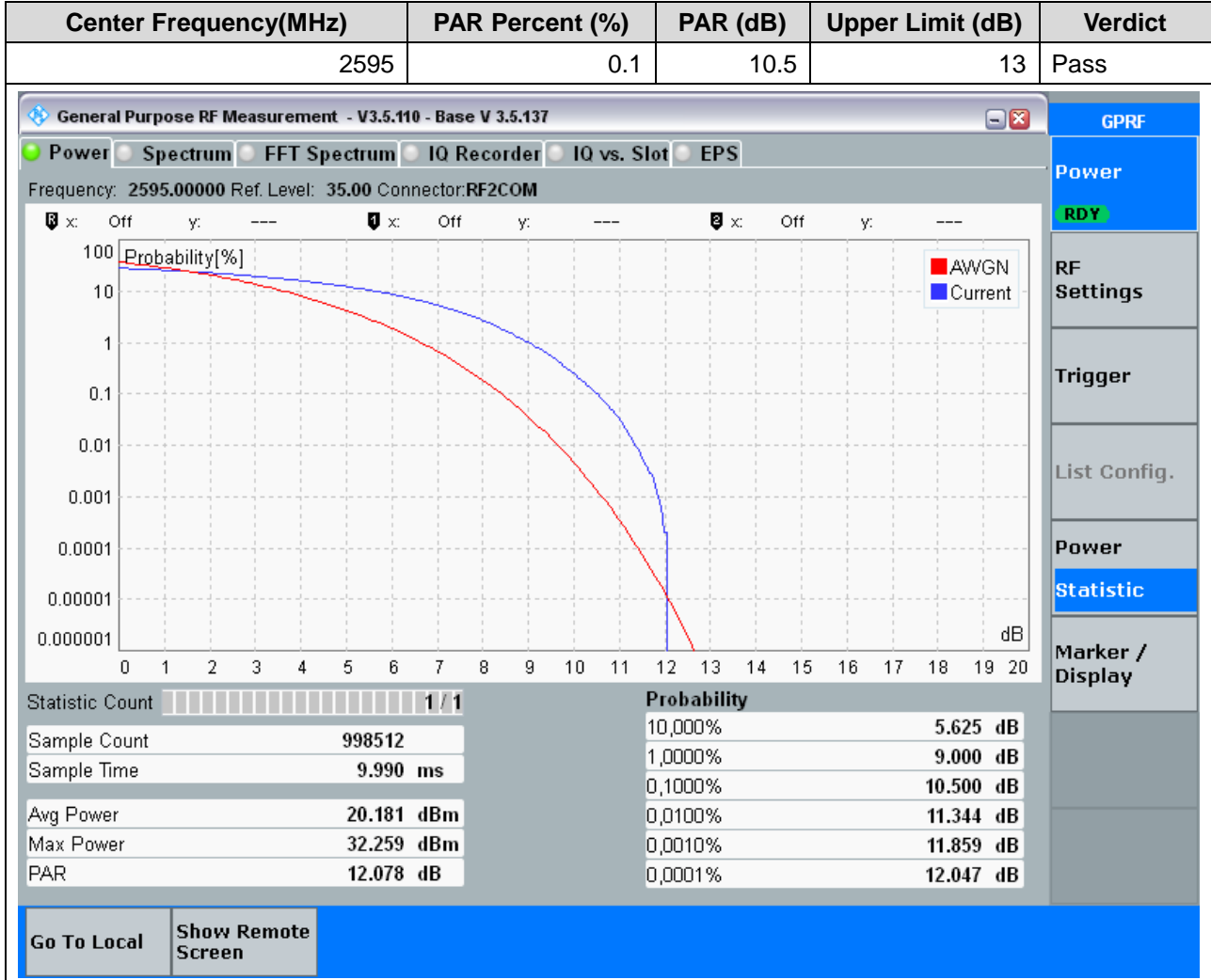
Statistic Count		Probability	
Sample Count	1023880	10,000%	5.625 dB
Sample Time	20.488 ms	1,0000%	8.719 dB
Avg Power	20.210 dBm	0,1000%	10.219 dB
Max Power	32.118 dBm	0,0010%	11.625 dB
PAR	11.908 dB	0,0001%	11.859 dB

12. CA_38C

12.1. LTE-A Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:1, Channel:37925|38075, Bandwidth:15|15MHz, Modulation:QPSK, RB Number:Full|Full, RB Position:Low|Low)

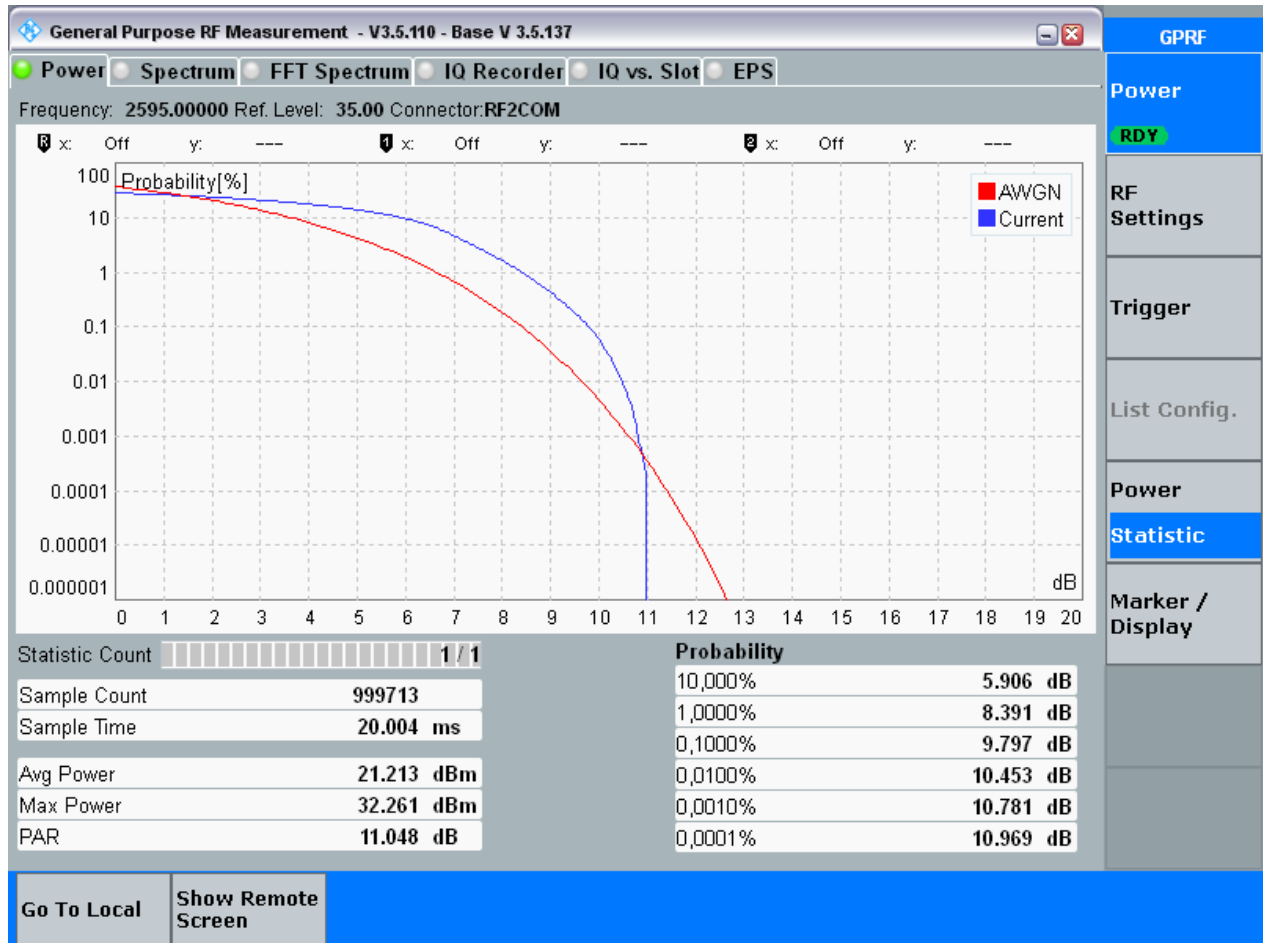


12.2. LTE-A Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:2, Channel:37925|38075, Bandwidth:15|15MHz, Modulation:16QAM, RB Number:Full|Full, RB Position:Low|Low)



12.3. LTE-A Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:3, Channel:37901|38099, Bandwidth:20|20MHz, Modulation:QPSK, RB Number:Full|Full, RB Position:Low|Low)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2595	0.1	9.8	13	Pass

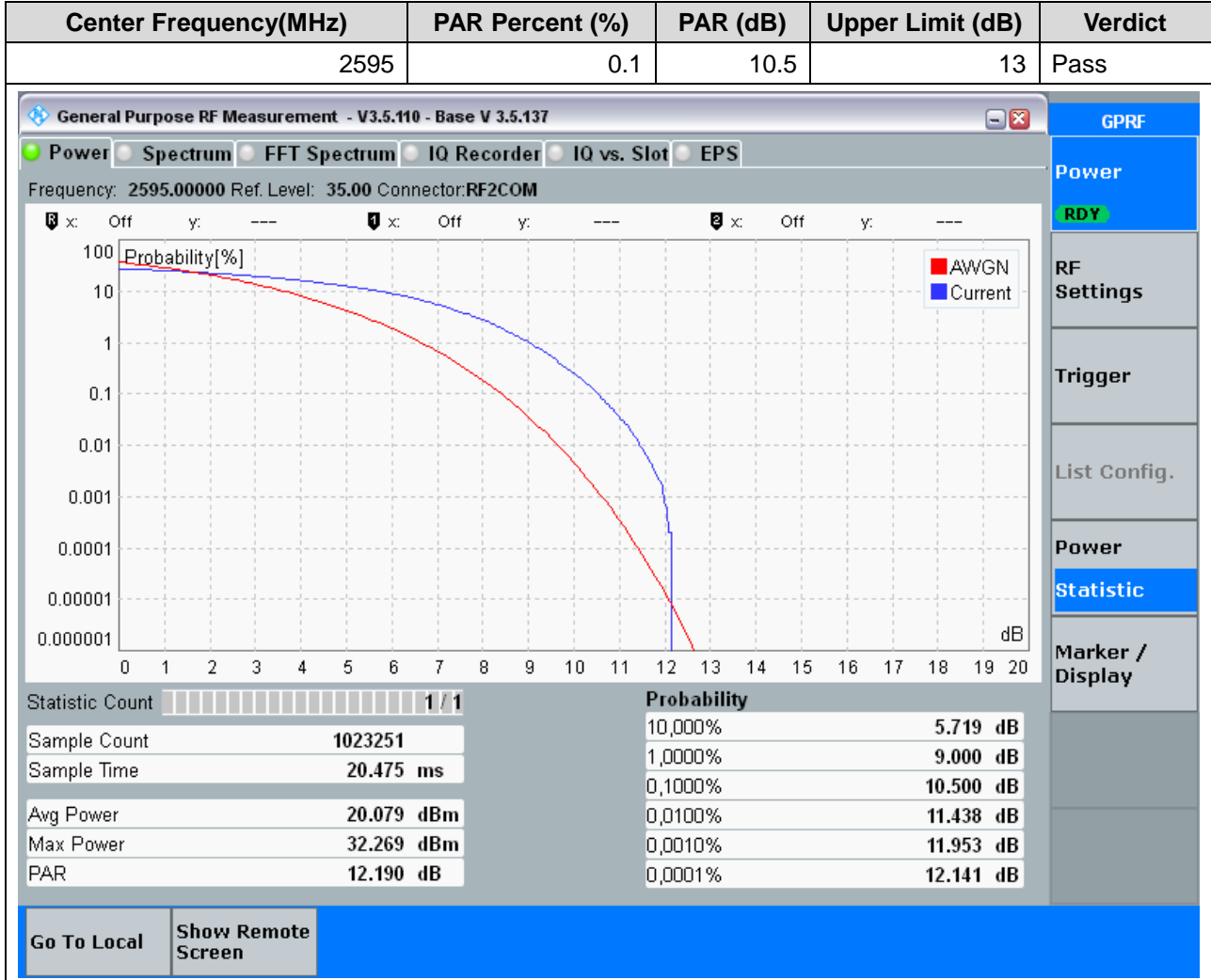


The screenshot displays the 'General Purpose RF Measurement' interface. The main plot shows 'Probability[%]' on the y-axis (log scale from 0.000001 to 100) versus 'dB' on the x-axis (linear scale from 0 to 20). Two curves are shown: 'AWGN' (red) and 'Current' (blue). The 'Current' curve shows a steeper decline, indicating better PAR performance. Below the plot, a 'Statistic Count' bar shows 1/1. A table provides detailed statistical data:

Statistic	Value	Probability	Value
Sample Count	999713	10,000%	5.906 dB
Sample Time	20.004 ms	1,0000%	8.391 dB
Avg Power	21.213 dBm	0,1000%	9.797 dB
Max Power	32.261 dBm	0,0010%	10.781 dB
PAR	11.048 dB	0,0001%	10.969 dB

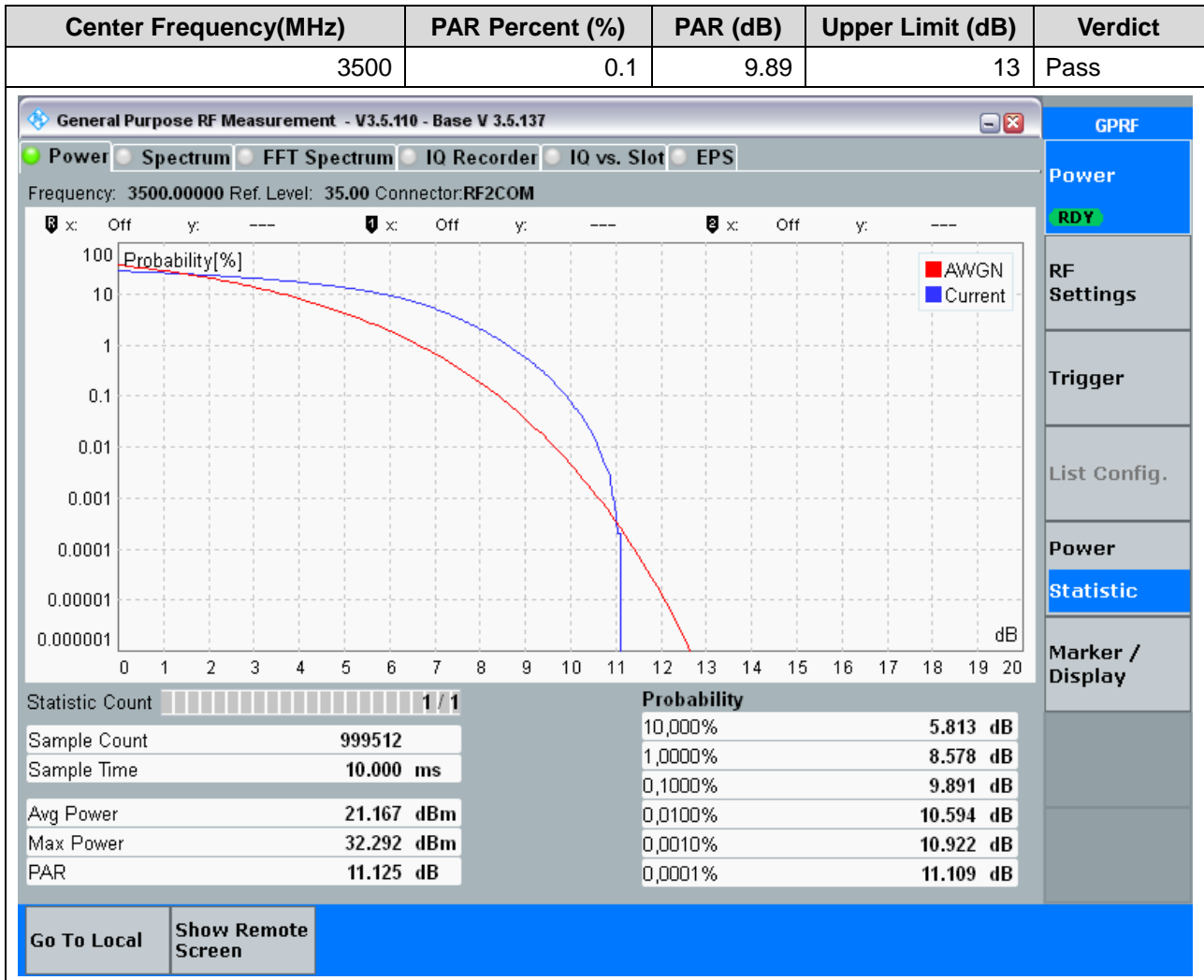
On the right side of the interface, a vertical menu includes options like 'GPRF', 'Power', 'RDY', 'RF Settings', 'Trigger', 'List Config.', 'Power', 'Statistic', and 'Marker / Display'. The 'Statistic' option is currently selected.

**12.4. LTE-A Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:4,
Channel:37901|38099, Bandwidth:20|20MHz, Modulation:16QAM, RB
Number:Full|Full, RB Position:Low|Low)**

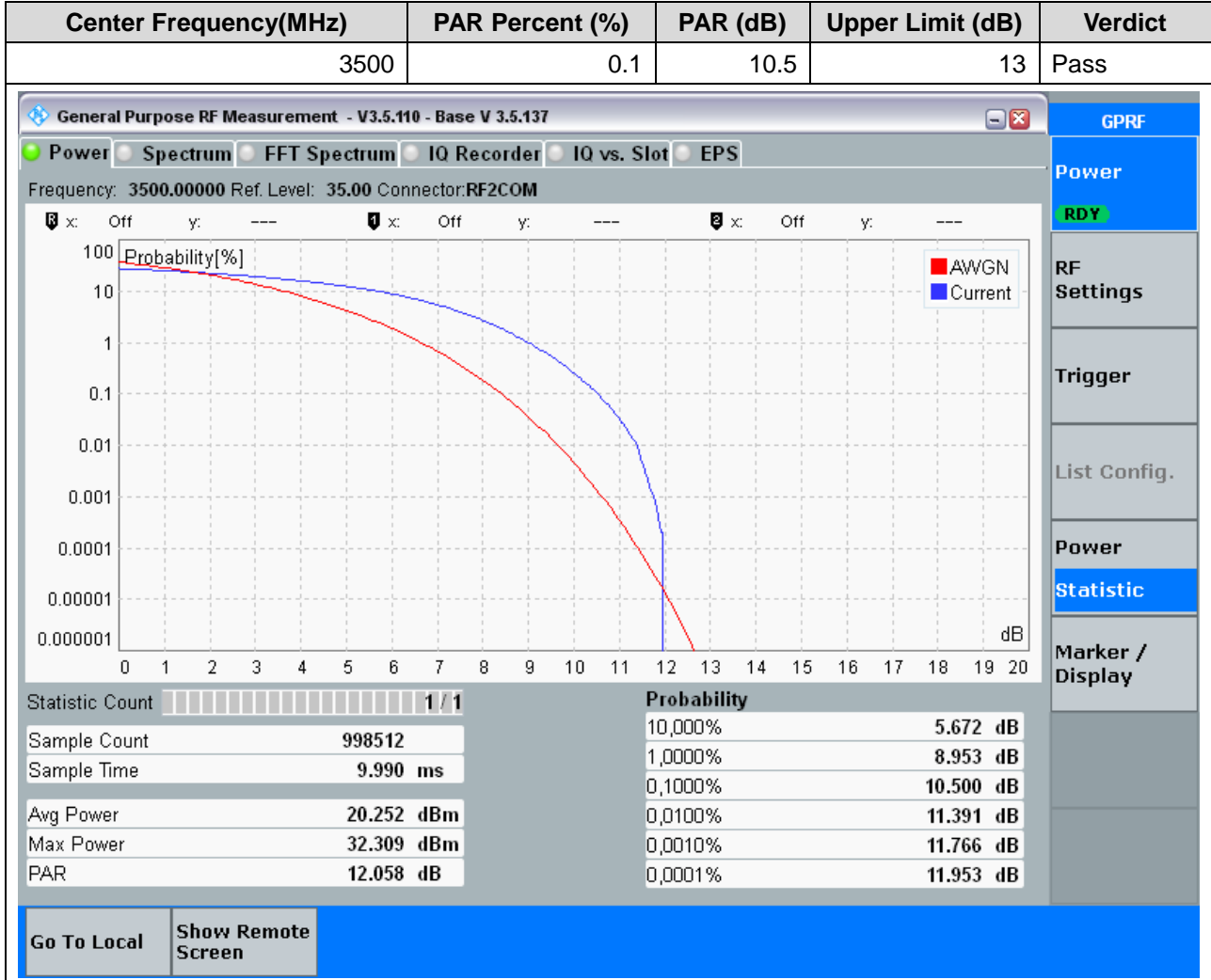


13. CA_42C(3450-3550)

13.1. LTE-A Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:1, Channel:42494|42611, Bandwidth:5|20MHz, Modulation:QPSK, RB Number:Full|Full, RB Position:Low|Low)



13.2. LTE-A Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:2, Channel:42494|42611, Bandwidth:5|20MHz, Modulation:16QAM, RB Number:Full|Full, RB Position:Low|Low)



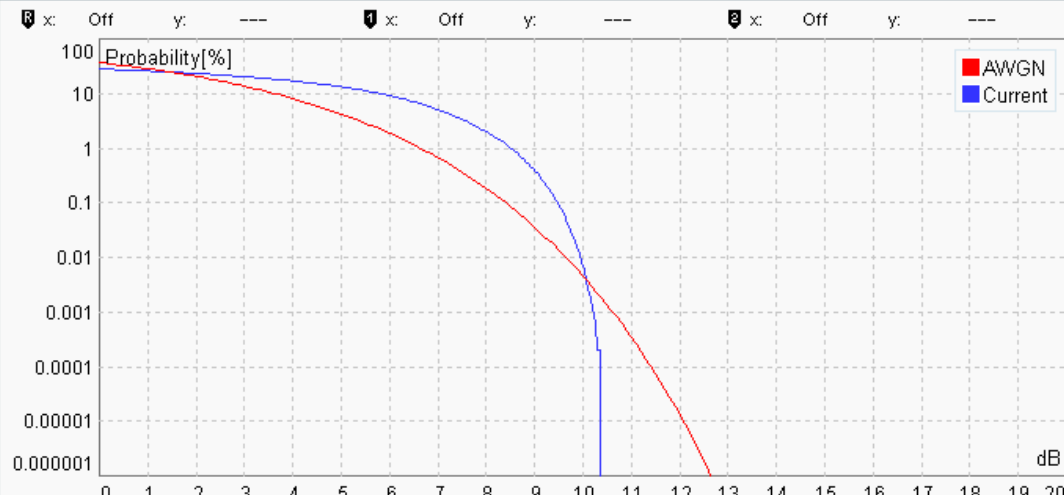
13.3. LTE-A Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:3, Channel:42569|42686, Bandwidth:20|5MHz, Modulation:QPSK, RB Number:Full|Full, RB Position:Low|Low)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
3500	0.1	9.47	13	Pass

General Purpose RF Measurement - V3.5.110 - Base V 3.5.137

Power Spectrum FFT Spectrum IQ Recorder IQ vs. Slot EPS

Frequency: 3500.00000 Ref. Level: 35.00 Connector:RF2COM



Statistic Count		Probability	
Sample Count	999714	10,000%	5.813 dB
Sample Time	10.002 ms	1,0000%	8.484 dB
Avg Power	22.273 dBm	0,1000%	9.469 dB
Max Power	32.704 dBm	0,0010%	10.219 dB
PAR	10.431 dB	0,0001%	10.359 dB

GPRF

Power

RDY

RF Settings

Trigger

List Config.

Power

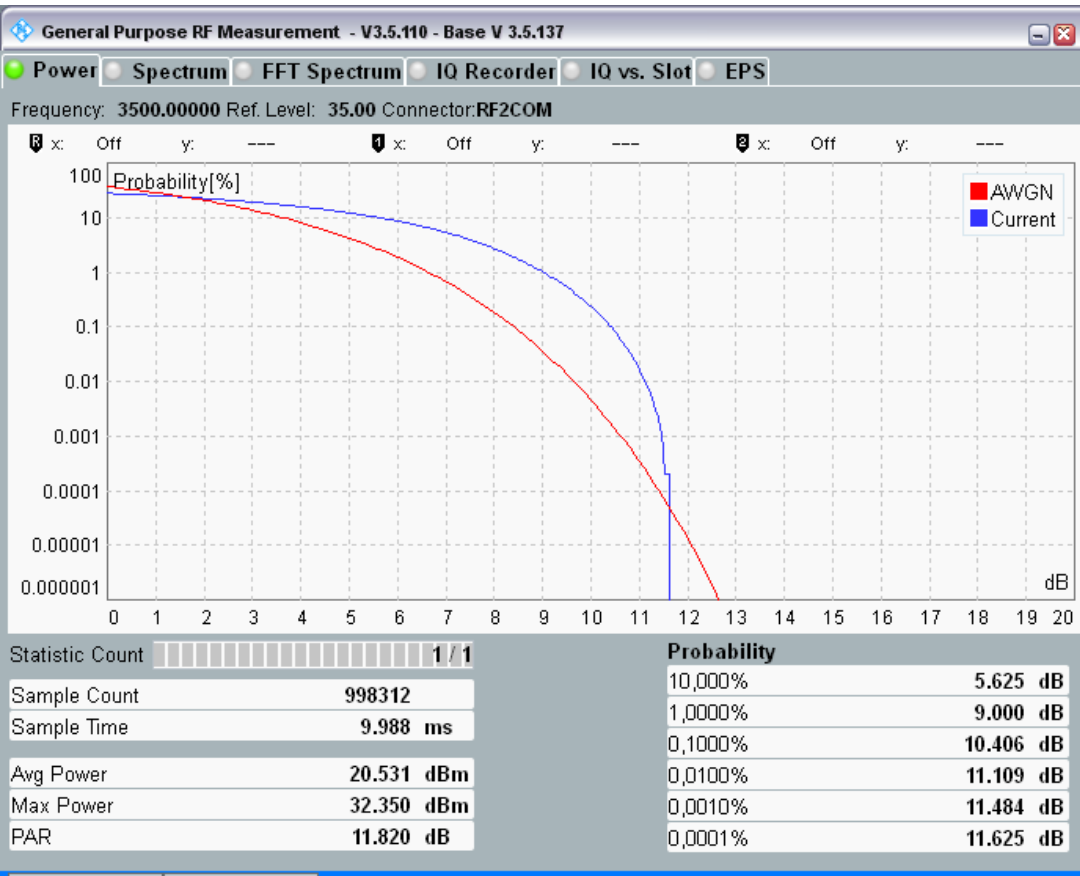
Statistic

Marker / Display

Go To Local
Show Remote Screen

13.4. LTE-A Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:4, Channel:42569|42686, Bandwidth:20|5MHz, Modulation:16QAM, RB Number:Full|Full, RB Position:Low|Low)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
3500	0.1	10.41	13	Pass



General Purpose RF Measurement - V3.5.110 - Base V 3.5.137

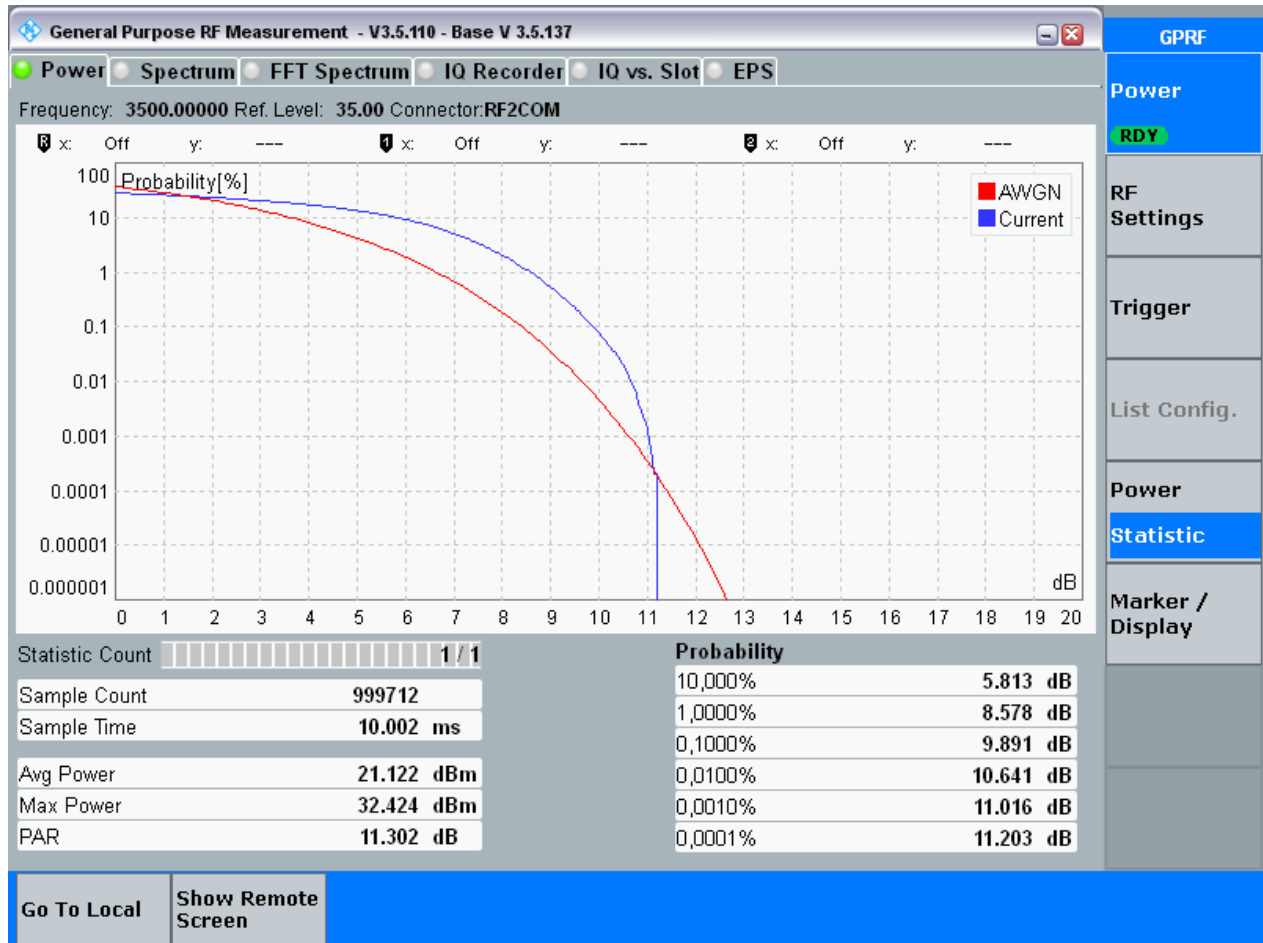
Frequency: 3500.00000 Ref. Level: 35.00 Connector:RF2COM

Legend: AWGN (Red), Current (Blue)

Statistic	Value	Probability	Value
Sample Count	998312	10,000%	5.625 dB
Sample Time	9.988 ms	1,0000%	9.000 dB
Avg Power	20.531 dBm	0,1000%	10.406 dB
Max Power	32.350 dBm	0,0010%	11.484 dB
PAR	11.820 dB	0,0001%	11.625 dB

13.5. LTE-A Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:5, Channel:42493|42637, Bandwidth:10|20MHz, Modulation:QPSK, RB Number:Full|Full, RB Position:Low|Low)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
3500	0.1	9.89	13	Pass



The screenshot displays the 'General Purpose RF Measurement' interface. The main plot shows 'Probability[%]' on the y-axis (log scale from 0.000001 to 100) versus 'dB' on the x-axis (linear scale from 0 to 20). Two curves are shown: 'AWGN' (red) and 'Current' (blue). The 'Current' curve is consistently higher than the 'AWGN' curve, indicating a higher PAR. Below the plot, a statistics table provides the following data:

Statistic	Value	Probability	Value
Sample Count	999712	10,000%	5.813 dB
Sample Time	10.002 ms	1,0000%	8.578 dB
Avg Power	21.122 dBm	0,1000%	9.891 dB
Max Power	32.424 dBm	0,0010%	11.016 dB
PAR	11.302 dB	0,0001%	11.203 dB

Additional interface elements include a 'Statistic Count' bar (1/1), 'Go To Local' and 'Show Remote Screen' buttons, and a right-hand sidebar with tabs for 'GPRF', 'Power', 'RF Settings', 'Trigger', 'List Config.', 'Power', 'Statistic', and 'Marker / Display'.

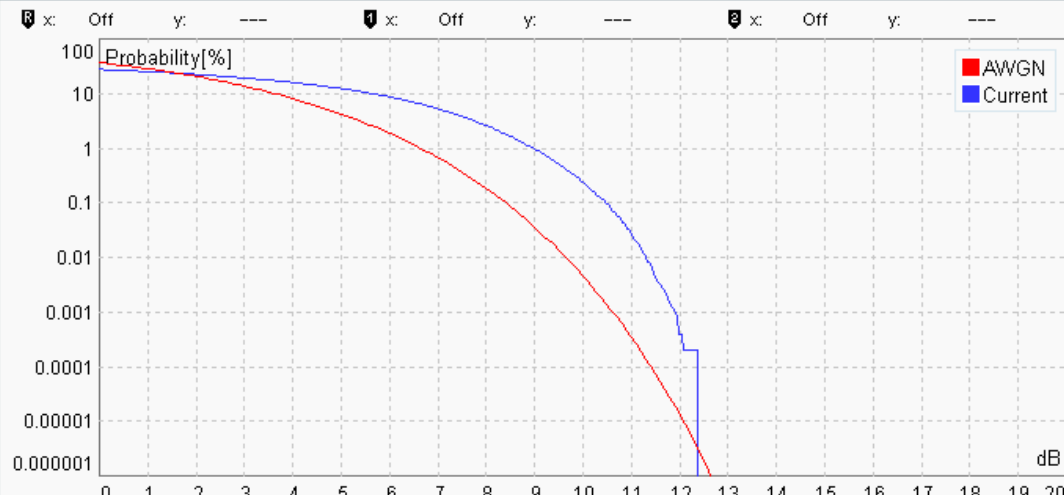
**13.6. LTE-A Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:6,
Channel:42493|42637, Bandwidth:10|20MHz, Modulation:16QAM, RB
Number:Full|Full, RB Position:Low|Low)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
3500	0.1	10.45	13	Pass

General Purpose RF Measurement - V3.5.110 - Base V 3.5.137

Power Spectrum FFT Spectrum IQ Recorder IQ vs. Slot EPS

Frequency: 3500.00000 Ref. Level: 35.00 Connector:RF2COM



Statistic Count		Probability	
Sample Count	998314	10,000%	5.625 dB
Sample Time	9.988 ms	1,0000%	8.953 dB
Avg Power	20.195 dBm	0,1000%	10.453 dB
Max Power	32.699 dBm	0,0010%	11.906 dB
PAR	12.503 dB	0,0001%	12.375 dB

GPRF

Power

RDY

RF Settings

Trigger

List Config.

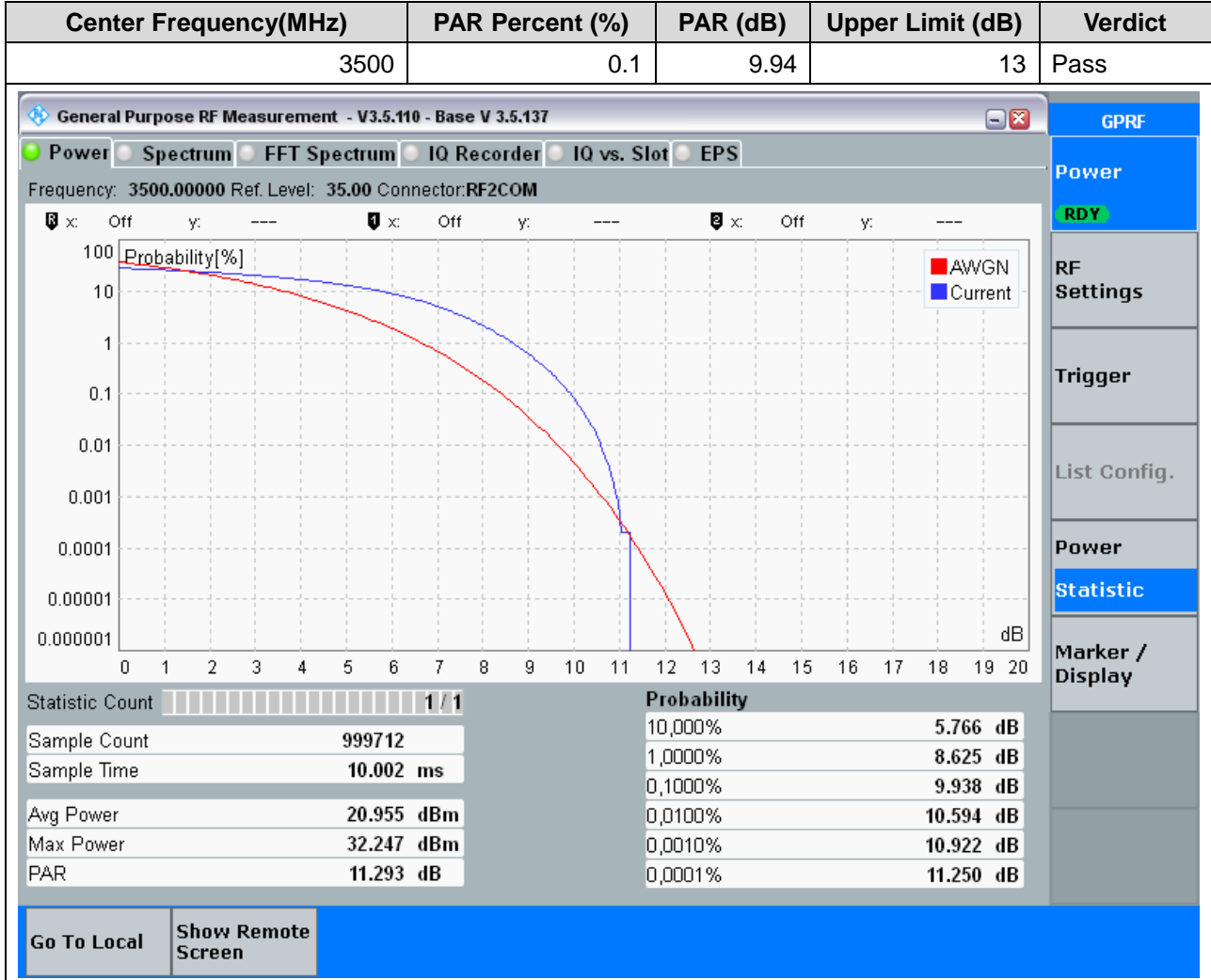
Power

Statistic

Marker / Display

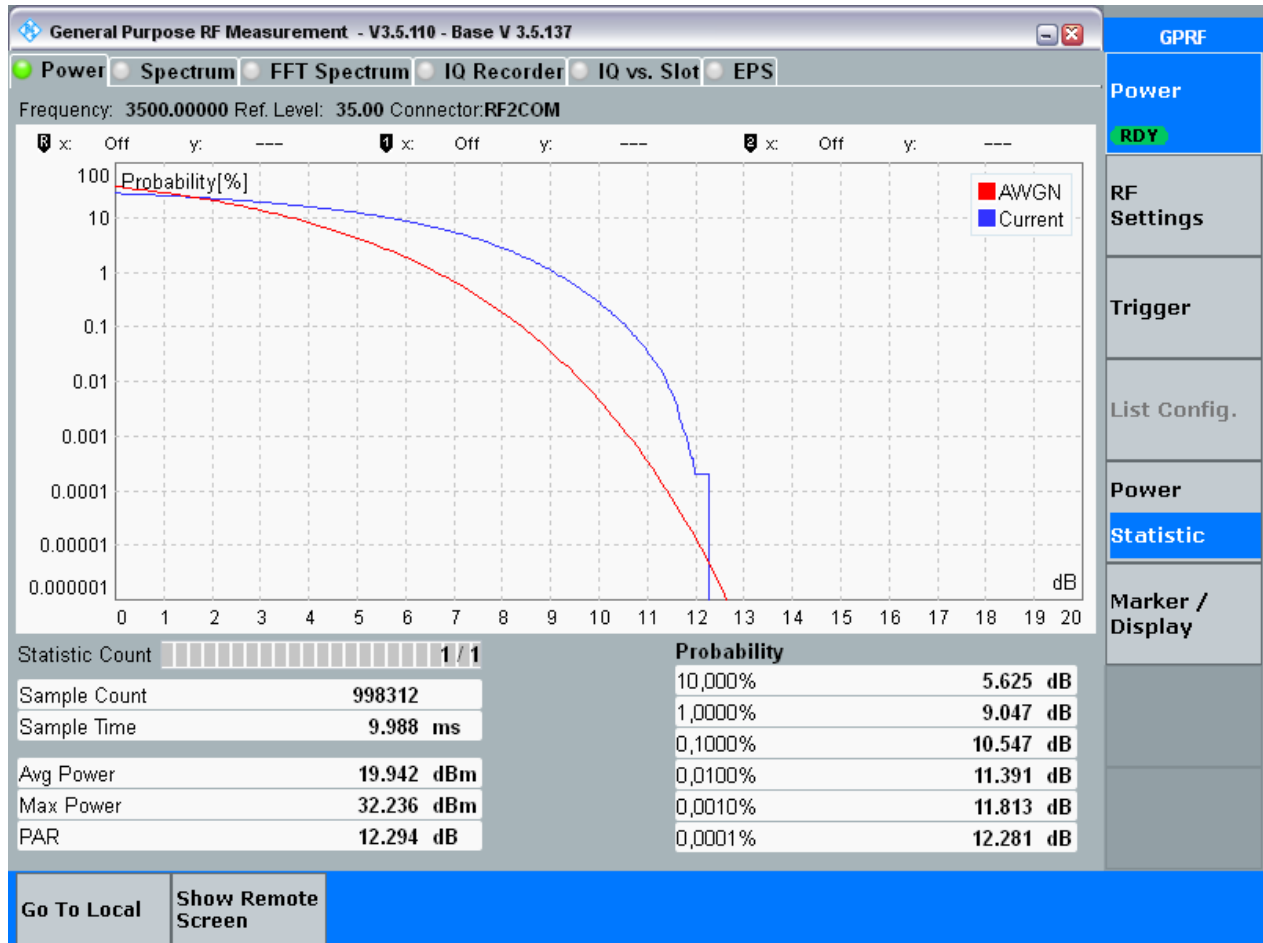
Go To Local
Show Remote Screen

13.7. LTE-A Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:7, Channel:42543|42687, Bandwidth:20|10MHz, Modulation:QPSK, RB Number:Full|Full, RB Position:Low|Low)



**13.8. LTE-A Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:8,
Channel:42543|42687, Bandwidth:20|10MHz, Modulation:16QAM, RB
Number:Full|Full, RB Position:Low|Low)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
3500	0.1	10.55	13	Pass



General Purpose RF Measurement - V3.5.110 - Base V 3.5.137

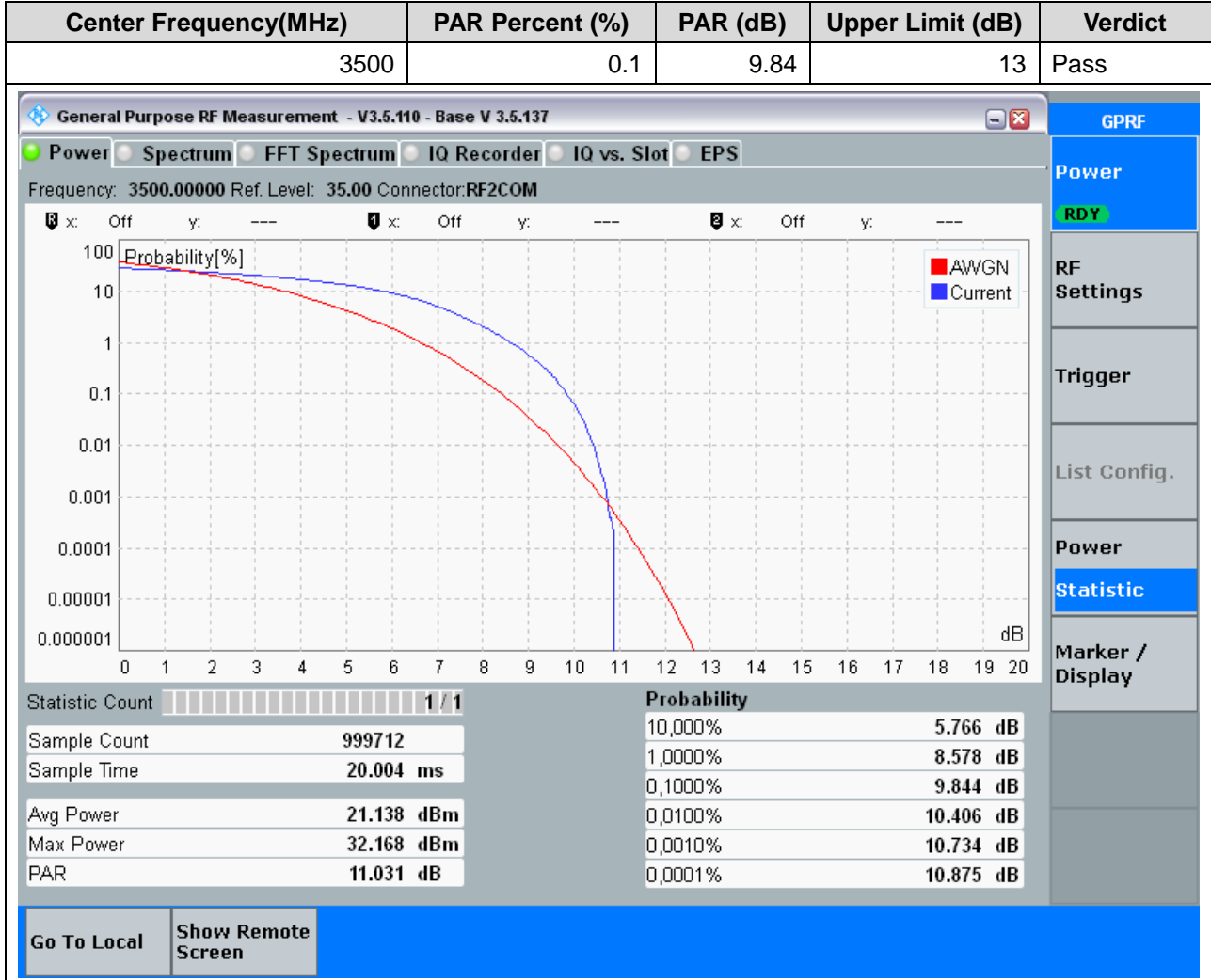
Frequency: 3500.00000 Ref. Level: 35.00 Connector:RF2COM

Legend: AWGN (Red), Current (Blue)

Statistic	Value	Probability	Value
Sample Count	998312	10,000%	5.625 dB
Sample Time	9.988 ms	1,0000%	9.047 dB
Avg Power	19.942 dBm	0,1000%	10.547 dB
Max Power	32.236 dBm	0,0010%	11.813 dB
PAR	12.294 dB	0,0001%	12.281 dB

Buttons: Go To Local, Show Remote Screen

**13.9. LTE-A Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:9,
Channel:42492|42663, Bandwidth:15|20MHz, Modulation:QPSK, RB
Number:Full|Full, RB Position:Low|Low)**



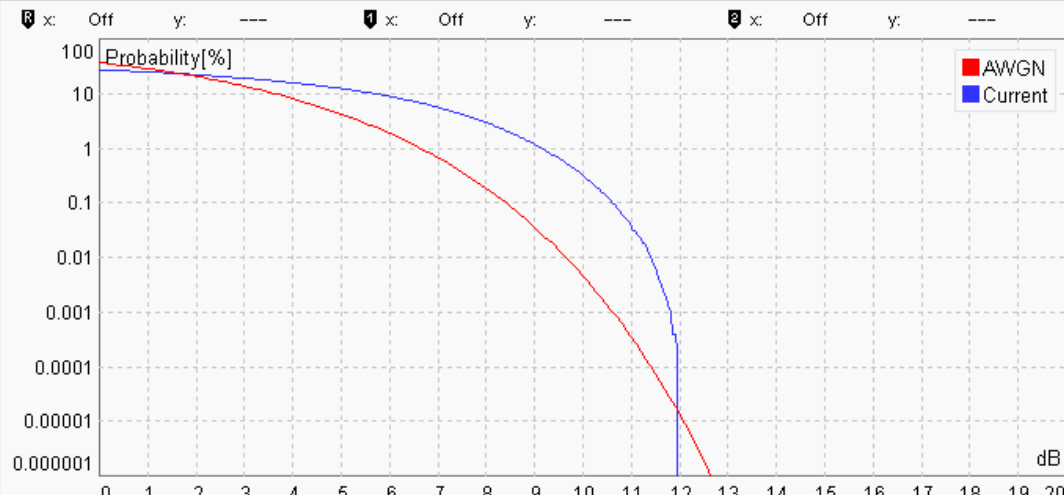
13.10. LTE-A Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:10, Channel:42492|42663, Bandwidth:15|20MHz, Modulation:16QAM, RB Number:Full|Full, RB Position:Low|Low)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
3500	0.1	10.59	13	Pass

General Purpose RF Measurement - V3.5.110 - Base V 3.5.137

Power Spectrum FFT Spectrum IQ Recorder IQ vs. Slot EPS

Frequency: 3500.00000 Ref. Level: 35.00 Connector:RF2COM



Statistic Count		Probability	
Sample Count	1023251	10,000%	5.672 dB
Sample Time	20.475 ms	1,0000%	9.141 dB
Avg Power	20.025 dBm	0,1000%	10.594 dB
Max Power	32.011 dBm	0,0010%	11.766 dB
PAR	11.986 dB	0,0001%	11.953 dB

GPRF

Power

RDY

RF Settings

Trigger

List Config.

Power

Statistic

Marker / Display

Go To Local
Show Remote Screen

13.11. LTE-A Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:11, Channel:42517|42688, Bandwidth:20|15MHz, Modulation:QPSK, RB Number:Full|Full, RB Position:Low|Low)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
3500	0.1	9.84	13	Pass

General Purpose RF Measurement - V3.5.110 - Base V 3.5.137

Power Spectrum FFT Spectrum IQ Recorder IQ vs. Slot EPS

Frequency: 3500.00000 Ref. Level: 35.00 Connector:RF2COM

GPRF

Power

RDY

RF Settings

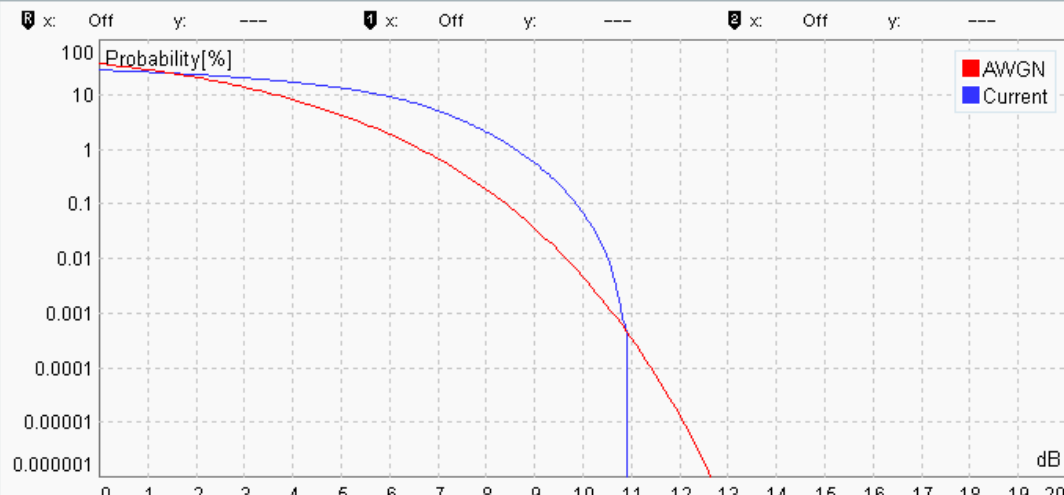
Trigger

List Config.

Power

Statistic

Marker / Display



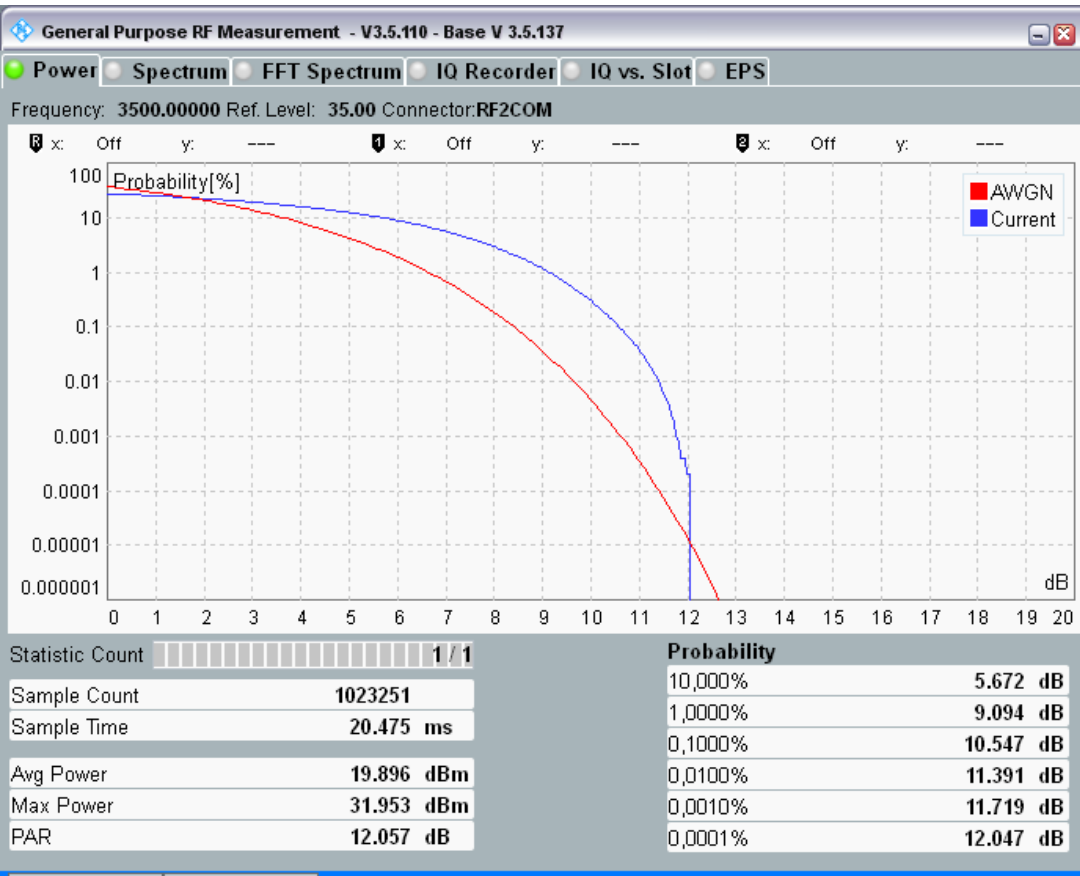
Statistic Count	
Sample Count	999711
Sample Time	20.004 ms
Avg Power	21.005 dBm
Max Power	31.998 dBm
PAR	10.993 dB

Probability	
10,000%	5.766 dB
1,0000%	8.578 dB
0,1000%	9.844 dB
0,0100%	10.500 dB
0,0010%	10.781 dB
0,0001%	10.922 dB

Go To Local
Show Remote Screen

13.12. LTE-A Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:12, Channel:42517|42688, Bandwidth:20|15MHz, Modulation:16QAM, RB Number:Full|Full, RB Position:Low|Low)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
3500	0.1	10.55	13	Pass



General Purpose RF Measurement - V3.5.110 - Base V 3.5.137

Frequency: 3500.00000 Ref. Level: 35.00 Connector:RF2COM

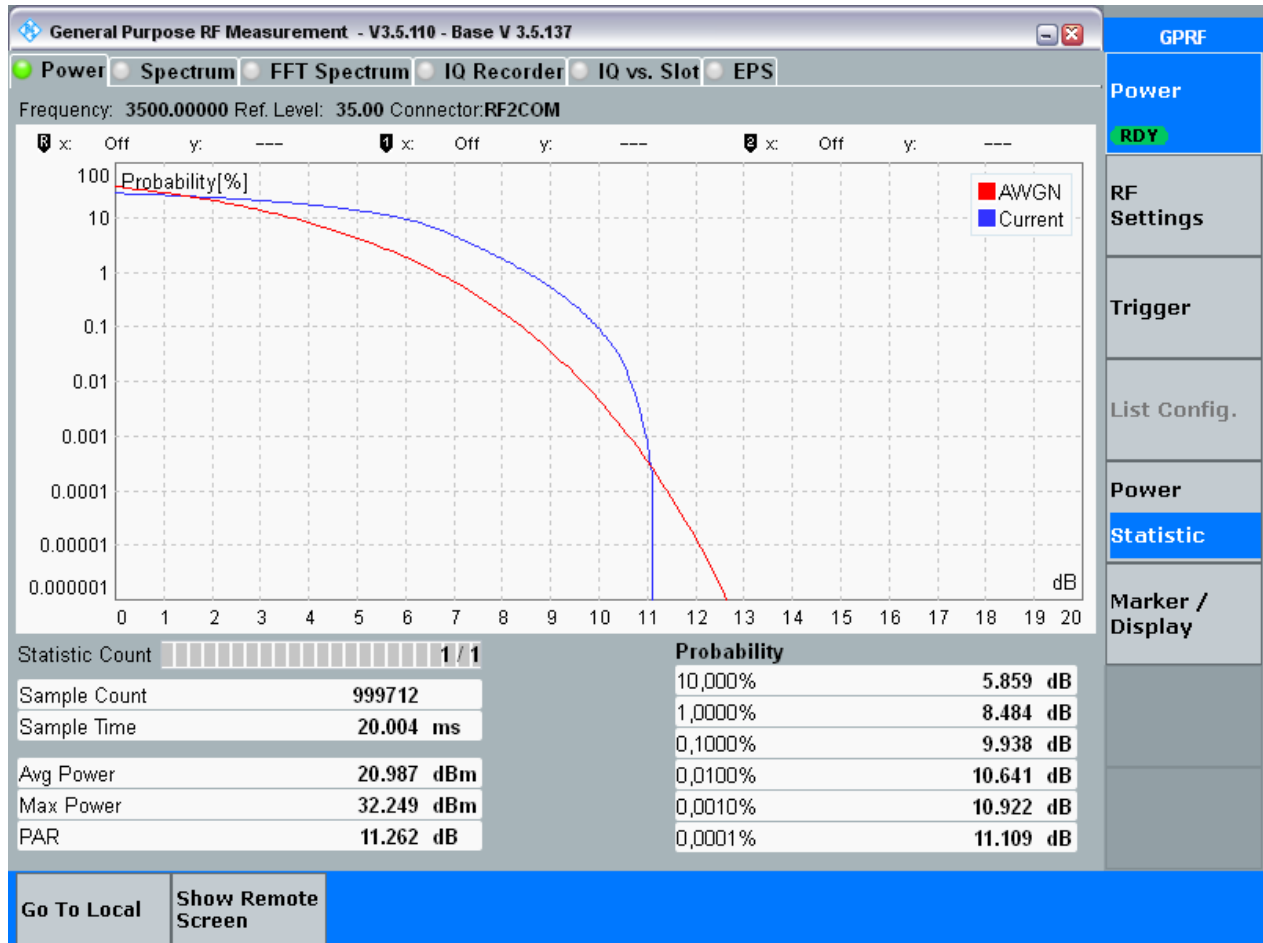
Legend: AWGN (Red), Current (Blue)

Statistic	Value	Probability	Value
Sample Count	1023251	10,000%	5.672 dB
Sample Time	20.475 ms	1,0000%	9.094 dB
Avg Power	19.896 dBm	0,1000%	10.547 dB
Max Power	31.953 dBm	0,0010%	11.719 dB
PAR	12.057 dB	0,0001%	12.047 dB

Buttons: Go To Local, Show Remote Screen

13.13. LTE-A Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:13, Channel:42491|42689, Bandwidth:20|20MHz, Modulation:QPSK, RB Number:Full|Full, RB Position:Low|Low)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
3500	0.1	9.94	13	Pass



General Purpose RF Measurement - V3.5.110 - Base V 3.5.137

Frequency: 3500.00000 Ref. Level: 35.00 Connector:RF2COM

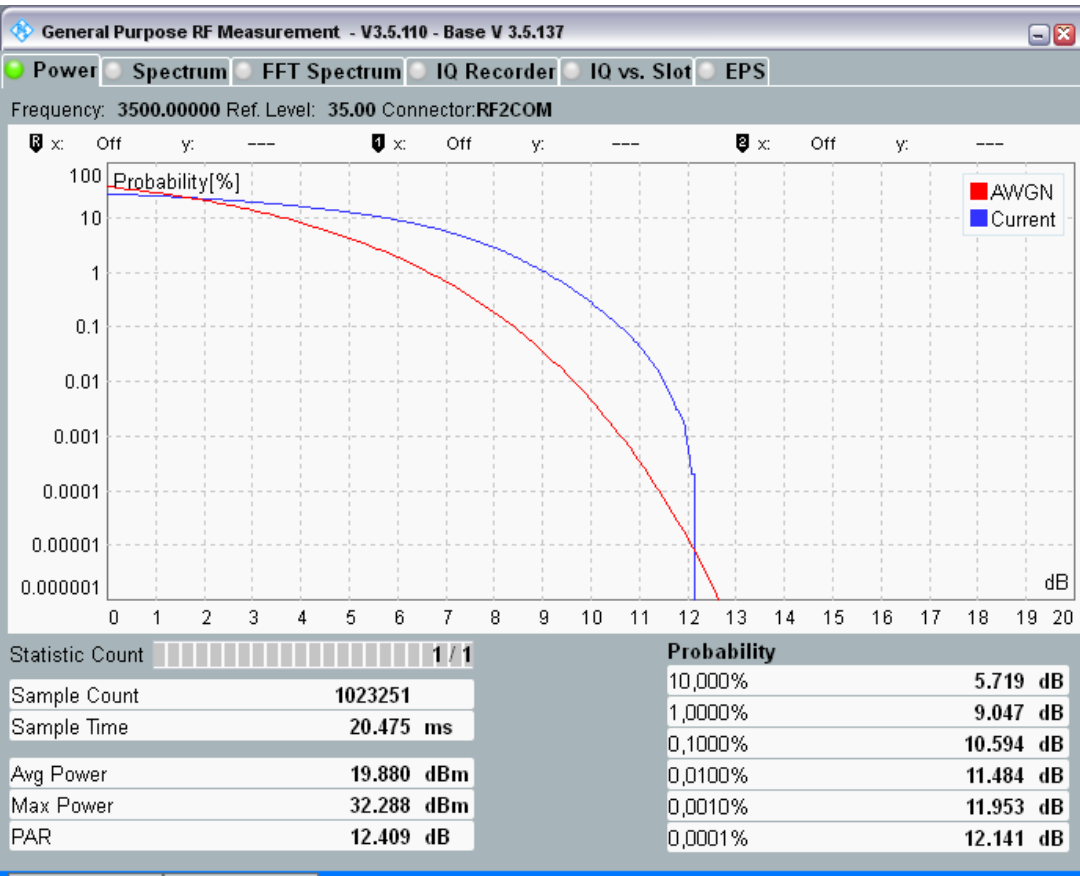
Legend: AWGN (Red), Current (Blue)

Statistic	Value	Probability	Value (dB)
Sample Count	999712	10,000%	5.859 dB
Sample Time	20.004 ms	1,0000%	8.484 dB
Avg Power	20.987 dBm	0,1000%	9.938 dB
Max Power	32.249 dBm	0,0010%	10.922 dB
PAR	11.262 dB	0,0001%	11.109 dB

Buttons: Go To Local, Show Remote Screen

13.14. LTE-A Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:14, Channel:42491|42689, Bandwidth:20|20MHz, Modulation:16QAM, RB Number:Full|Full, RB Position:Low|Low)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
3500	0.1	10.59	13	Pass



General Purpose RF Measurement - V3.5.110 - Base V 3.5.137

Frequency: 3500.00000 Ref. Level: 35.00 Connector:RF2COM

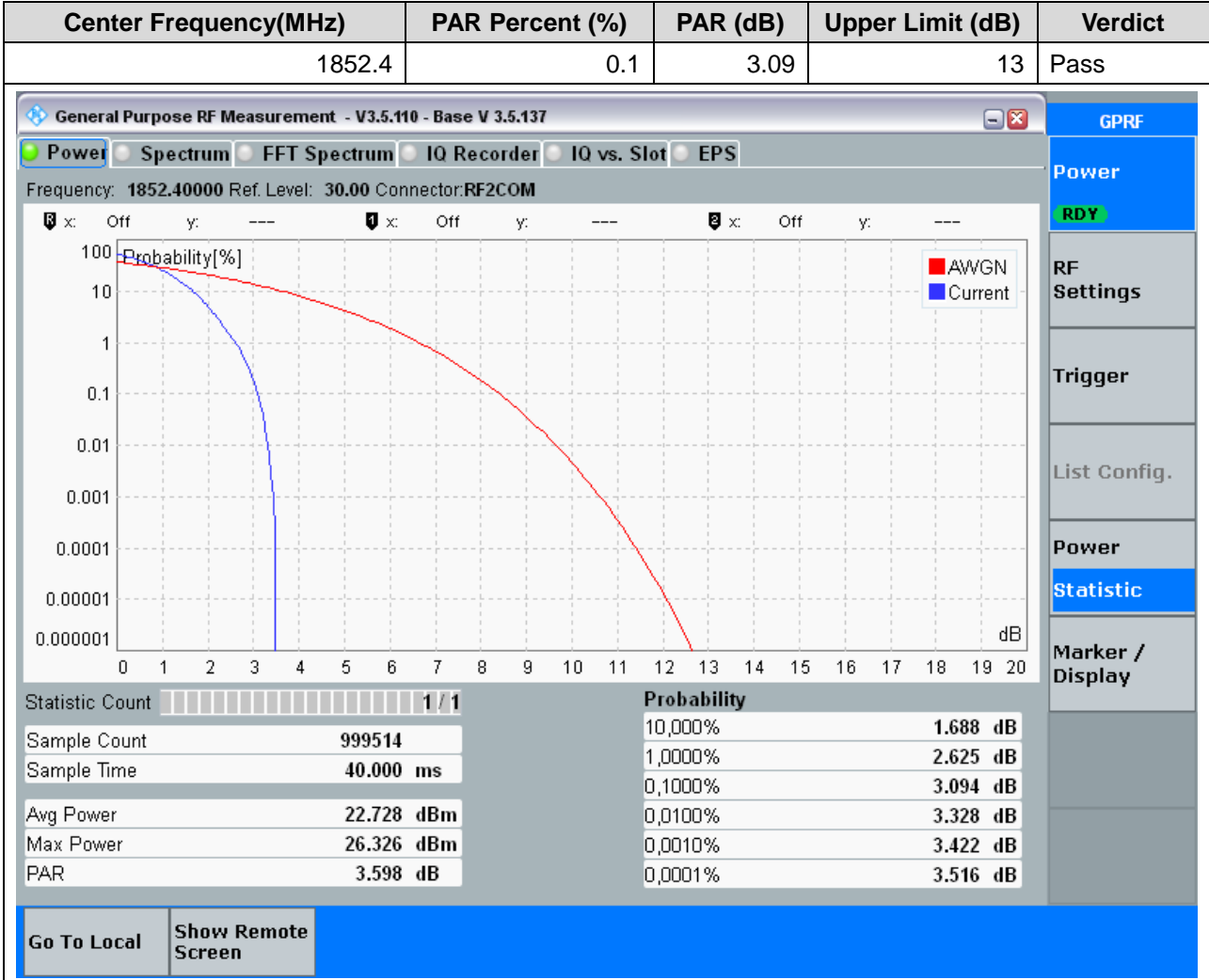
Legend: AWGN (Red), Current (Blue)

Statistic	Value	Probability	Value (dB)
Sample Count	1023251	10,000%	5.719 dB
Sample Time	20.475 ms	1,0000%	9.047 dB
Avg Power	19.880 dBm	0,1000%	10.594 dB
Max Power	32.288 dBm	0,0010%	11.953 dB
PAR	12.409 dB	0,0001%	12.141 dB

Buttons: Go To Local, Show Remote Screen

14. WCDMA_Band2

14.1. WCDMA Peak to Average Ratio(NTNV)(Channel:9262)



14.2. WCDMA Peak to Average Ratio(NTNV)(Channel:9400)

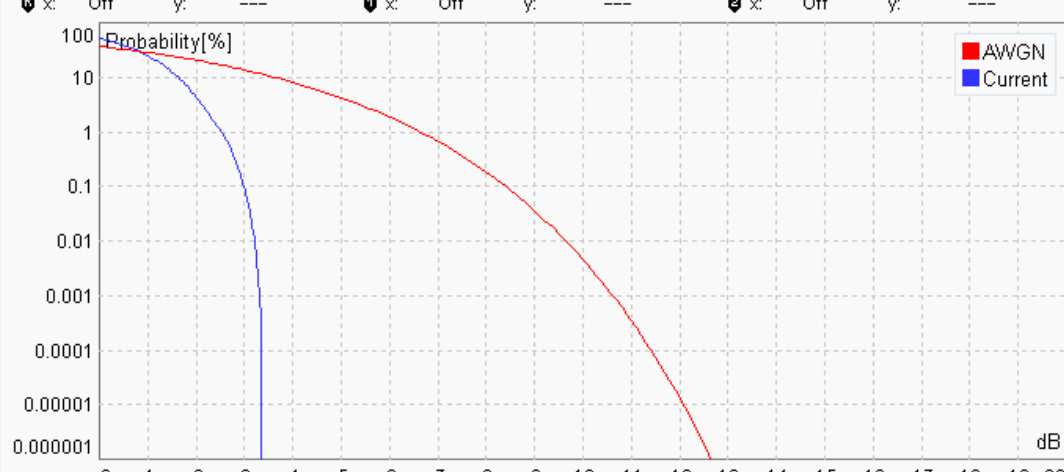
Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	3	13	Pass

General Purpose RF Measurement - V3.5.110 - Base V 3.5.137

GPRF

Power
Spectrum
FFT Spectrum
IQ Recorder
IQ vs. Slot
EPS

Frequency: 1880.00000 Ref. Level: 30.00 Connector:RF2COM



Statistic Count	
Sample Count	1023252
Sample Time	40.950 ms
Avg Power	22.799 dBm
Max Power	26.239 dBm
PAR	3.440 dB

Probability	
10,000%	1.641 dB
1,0000%	2.531 dB
0,1000%	3.000 dB
0,0100%	3.234 dB
0,0010%	3.328 dB
0,0001%	3.375 dB

Go To Local
Show Remote Screen

GPRF

Power

RDY

RF Settings

Trigger

List Config.

Power

Statistic

Marker / Display

14.3. WCDMA Peak to Average Ratio(NTNV)(Channel:9538)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1907.6	0.1	3	13	Pass

General Purpose RF Measurement - V3.5.110 - Base V 3.5.137

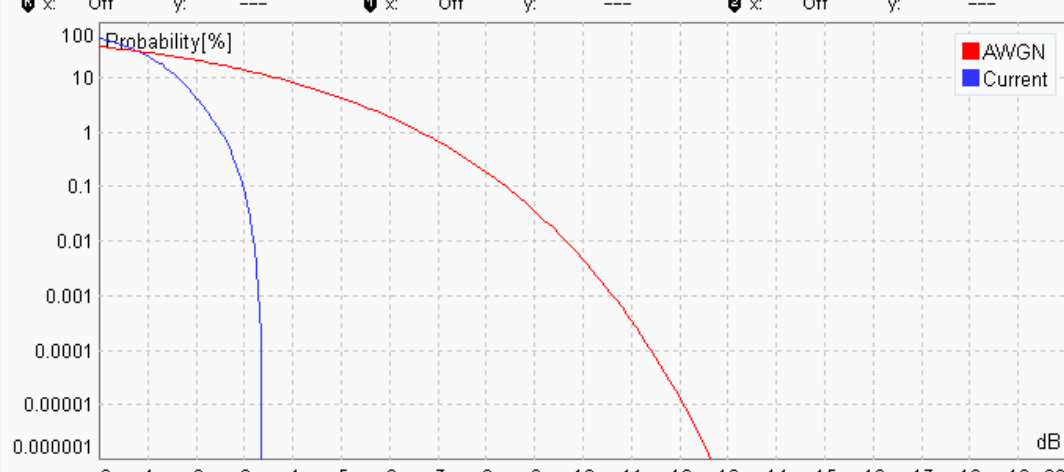
GPRF

Power
Spectrum
FFT Spectrum
IQ Recorder
IQ vs. Slot
EPS

Frequency: **1907.60000** Ref. Level: **30.00** Connector: **RF2COM**

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

■ AWGN
■ Current



Statistic Count 1 / 1	Probability
Sample Count 1000312	10,000% 1.641 dB
Sample Time 40.032 ms	1,0000% 2.531 dB
Avg Power 22.653 dBm	0,1000% 3.000 dB
Max Power 26.104 dBm	0,0100% 3.188 dB
PAR 3.451 dB	0,0010% 3.328 dB
	0,0001% 3.375 dB

Go To Local
Show Remote Screen

GPRF

Power

RDY

RF Settings

Trigger

List Config.

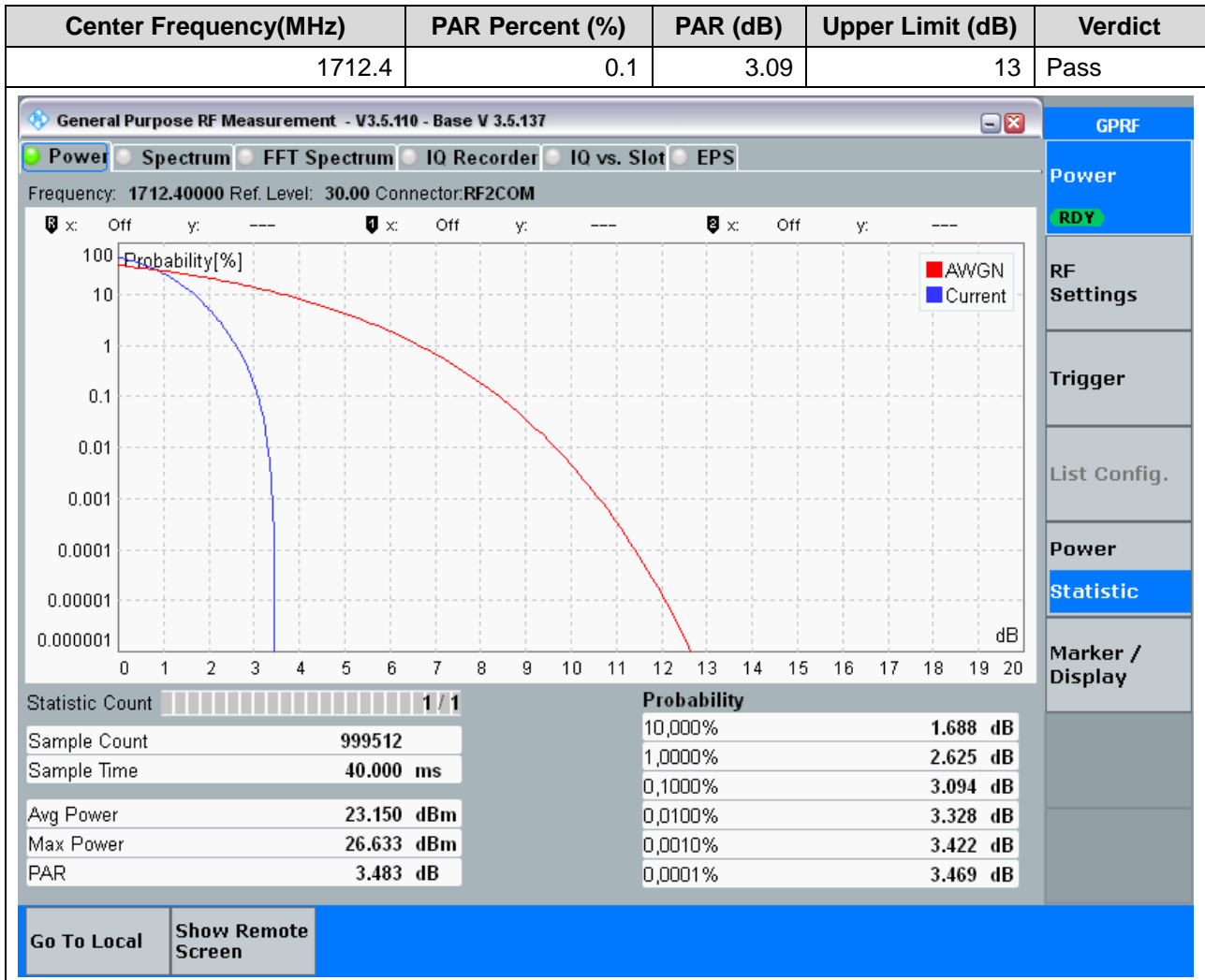
Power

Statistic

Marker / Display

15. WCDMA_Band4

15.1. WCDMA Peak to Average Ratio(NTNV)(Channel:1312)



15.2. WCDMA Peak to Average Ratio(NTNV)(Channel:1412)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.4	0.1	3.05	13	Pass

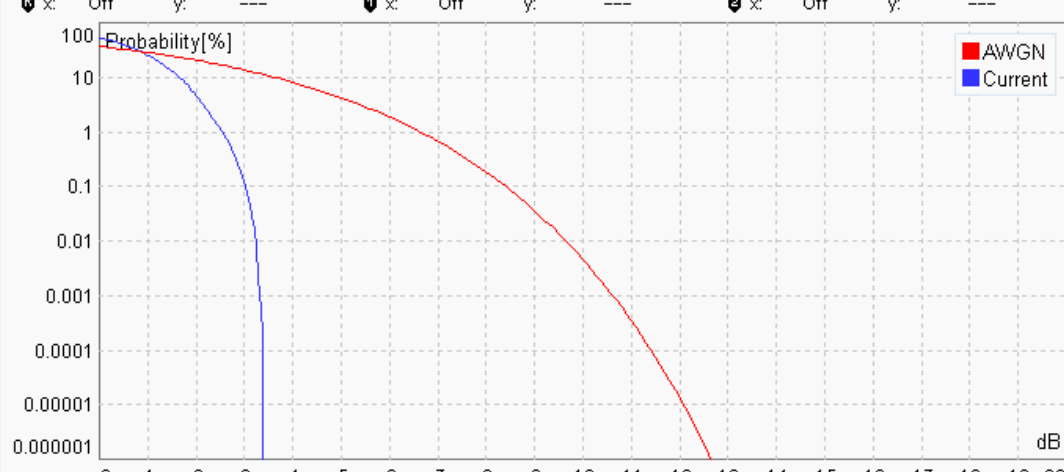
General Purpose RF Measurement - V3.5.110 - Base V 3.5.137

GPRF

Power
Spectrum
FFT Spectrum
IQ Recorder
IQ vs. Slot
EPS

Frequency: **1732.40000** Ref. Level: **30.00** Connector: **RF2COM**

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



Statistic Count 1 / 1	Probability
Sample Count 1023250	10,000% 1.688 dB
Sample Time 40.950 ms	1,0000% 2.578 dB
Avg Power 23.203 dBm	0,1000% 3.047 dB
Max Power 26.636 dBm	0,0100% 3.234 dB
PAR 3.434 dB	0,0010% 3.328 dB
	0,0001% 3.422 dB

Go To Local
Show Remote Screen

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

15.3. WCDMA Peak to Average Ratio(NTNV)(Channel:1513)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1752.6	0.1	2.81	13	Pass

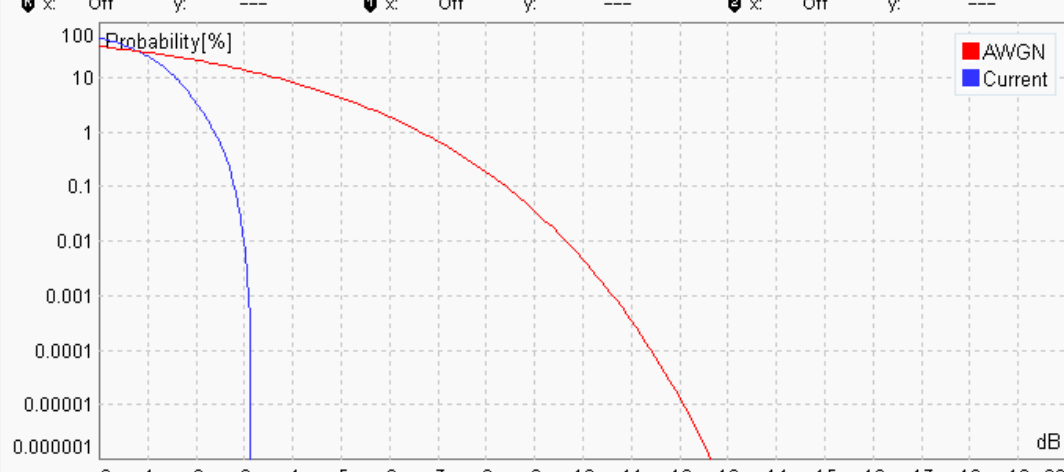
General Purpose RF Measurement - V3.5.110 - Base V 3.5.137
GPRF

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

Power
RDY

Frequency: 1752.60000 Ref. Level: 30.00 Connector:RF2COM

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

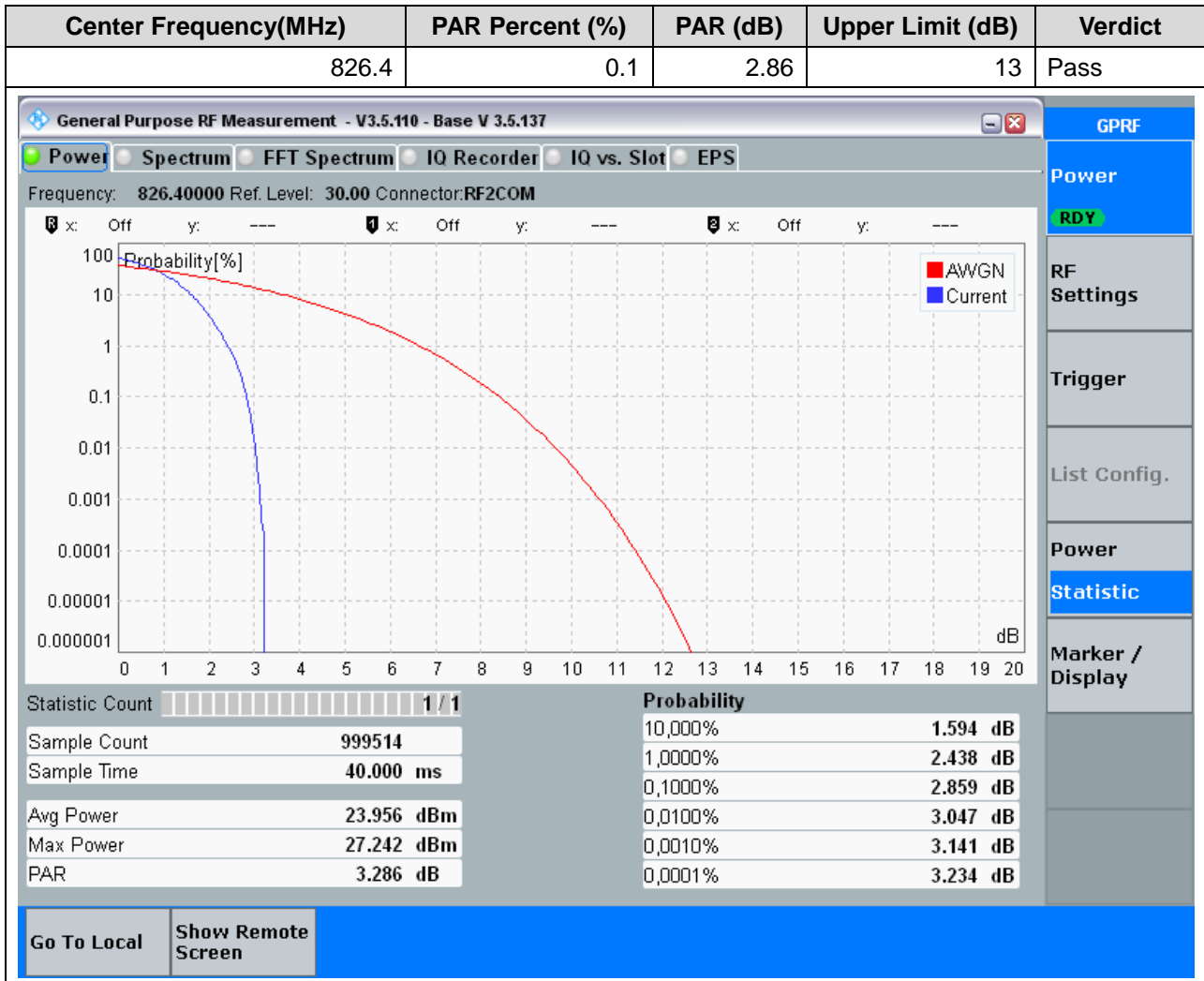


Statistic Count		Probability	
Sample Count	999512	10,000%	1.594 dB
Sample Time	40.000 ms	1,0000%	2.391 dB
Avg Power	23.075 dBm	0,1000%	2.813 dB
Max Power	26.273 dBm	0,0100%	3.000 dB
PAR	3.198 dB	0,0010%	3.094 dB
		0,0001%	3.141 dB

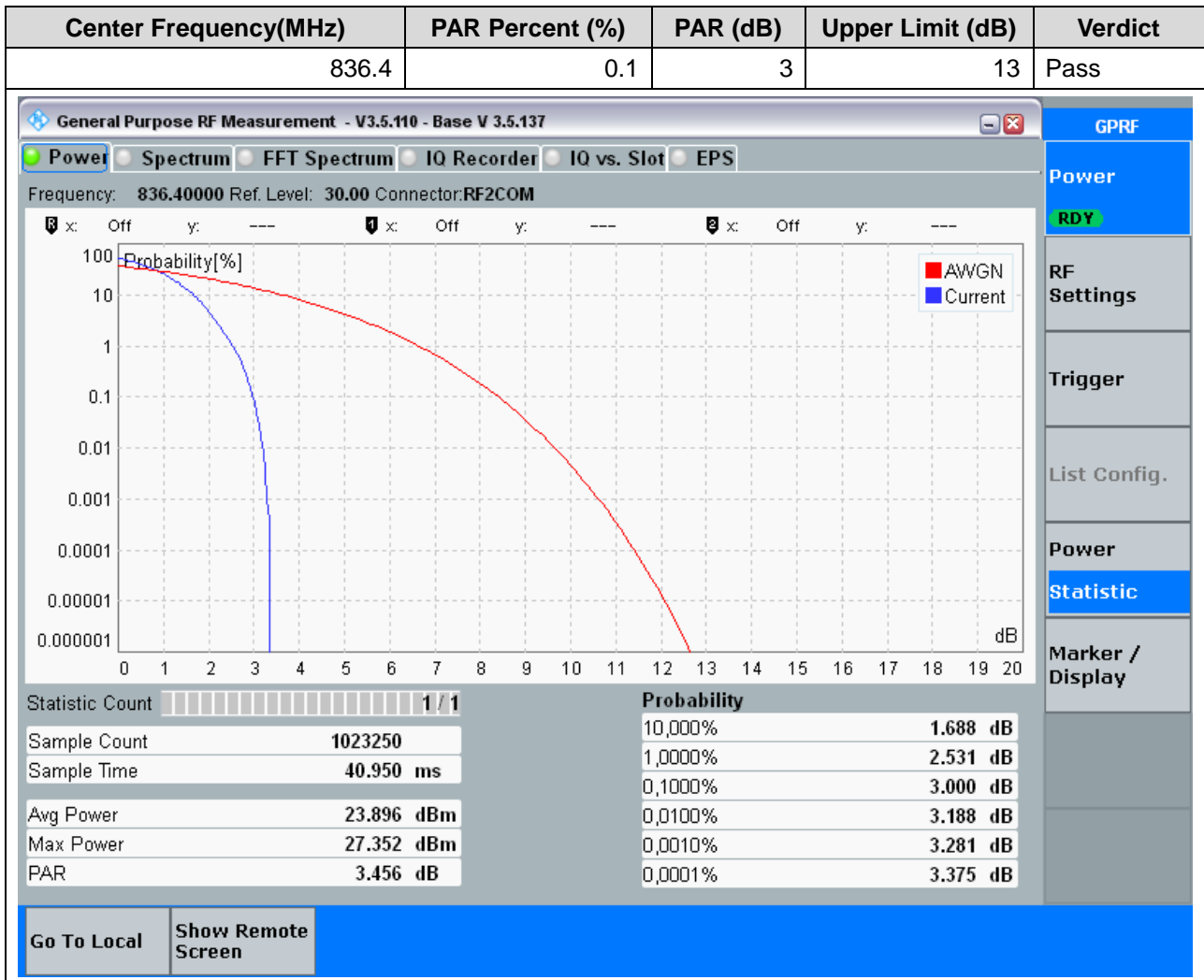
Go To Local
Show Remote Screen

16. WCDMA_Band5

16.1. WCDMA Peak to Average Ratio(NTNV)(Channel:4132)

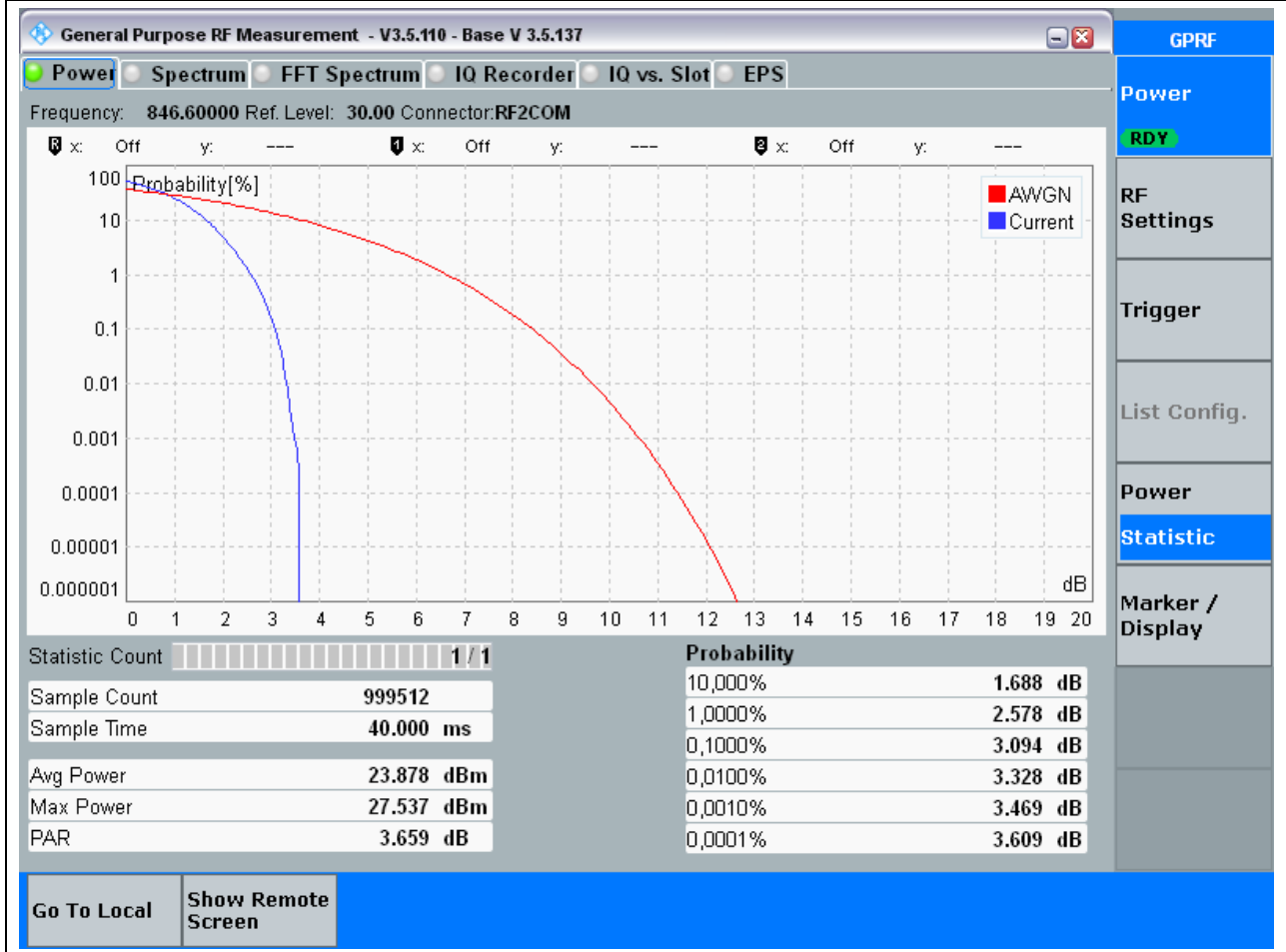


16.2. WCDMA Peak to Average Ratio(NTNV)(Channel:4182)



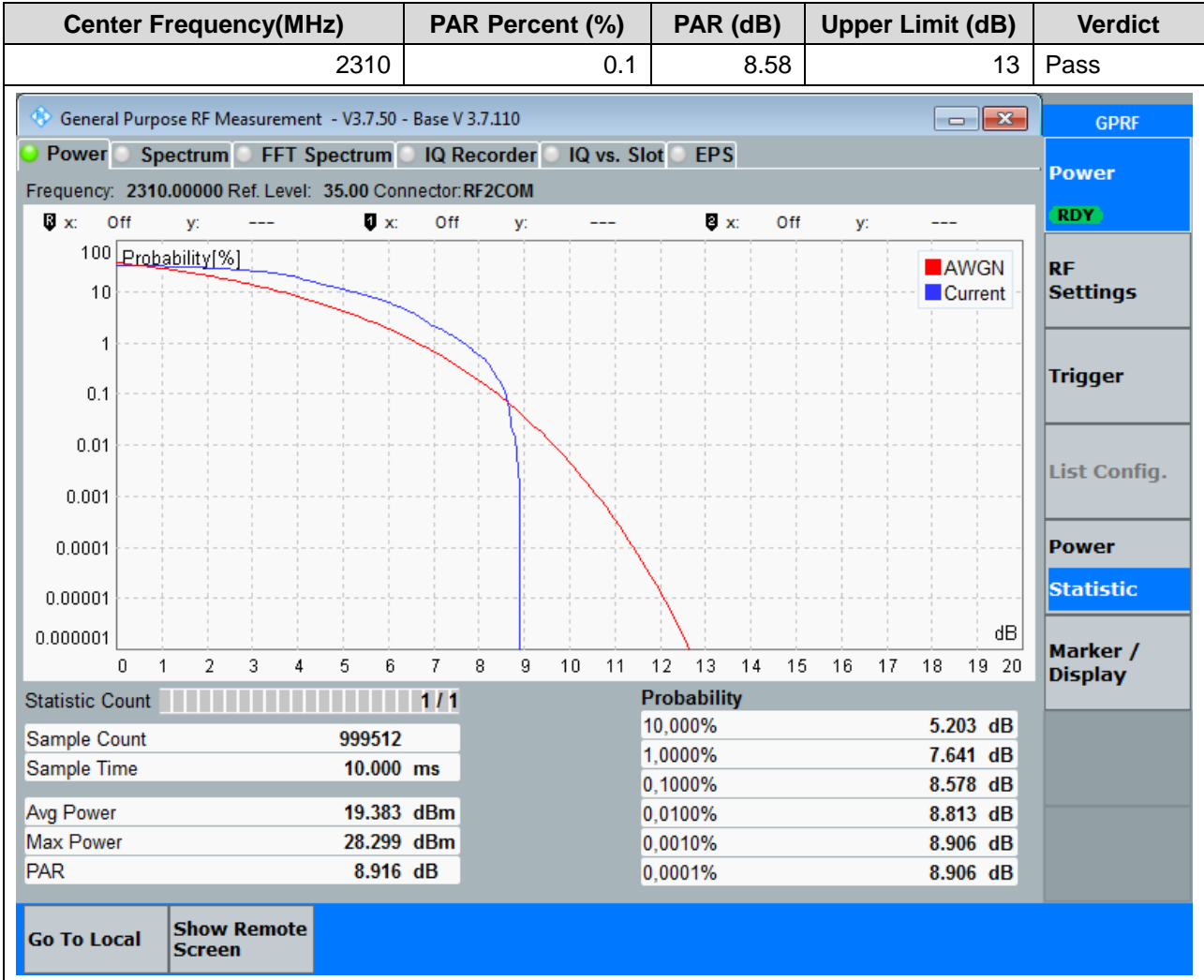
16.3. WCDMA Peak to Average Ratio(NTNV)(Channel:4233)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
846.6	0.1	3.09	13	Pass

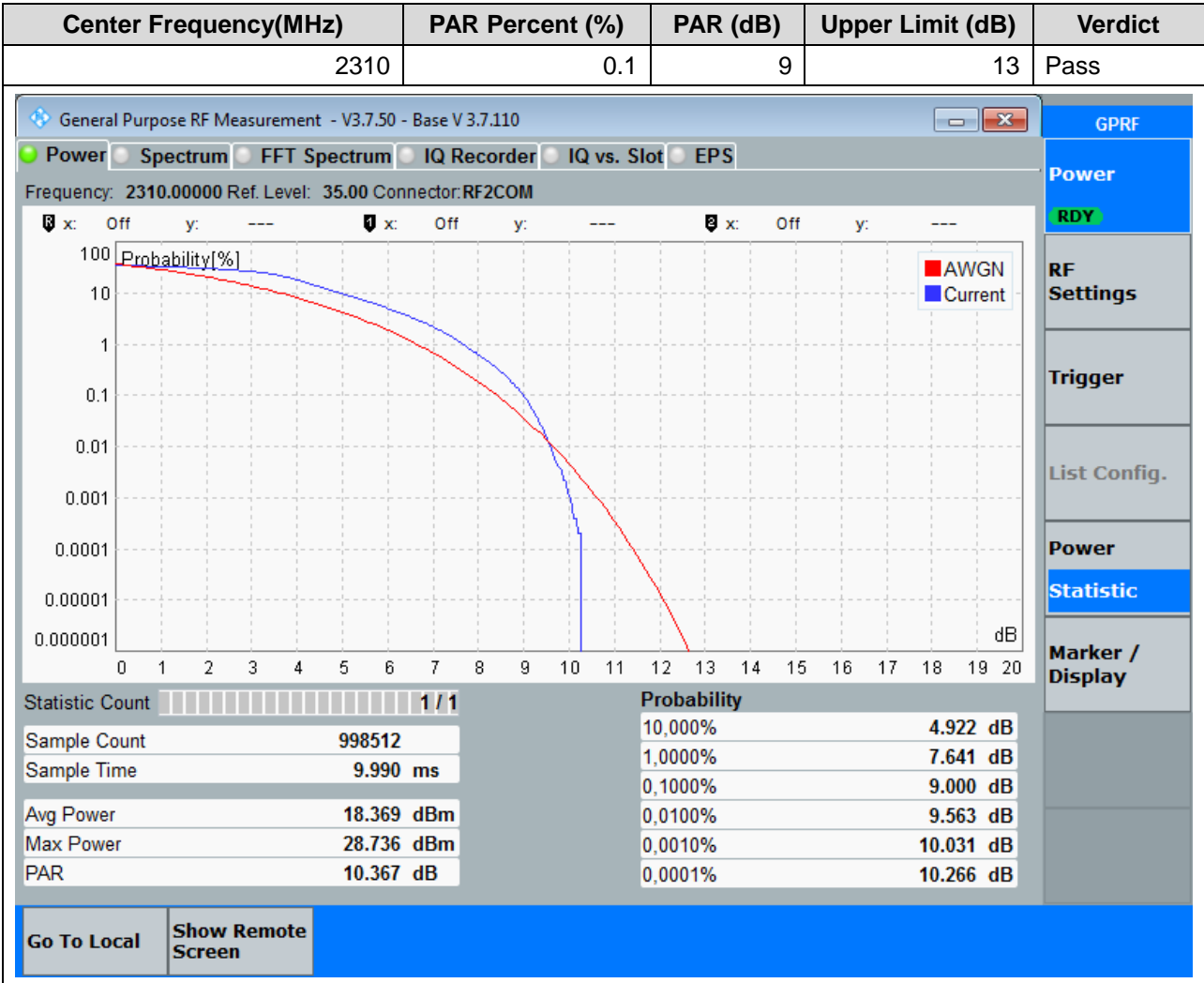


17. LTE_Band40(2305-2315)

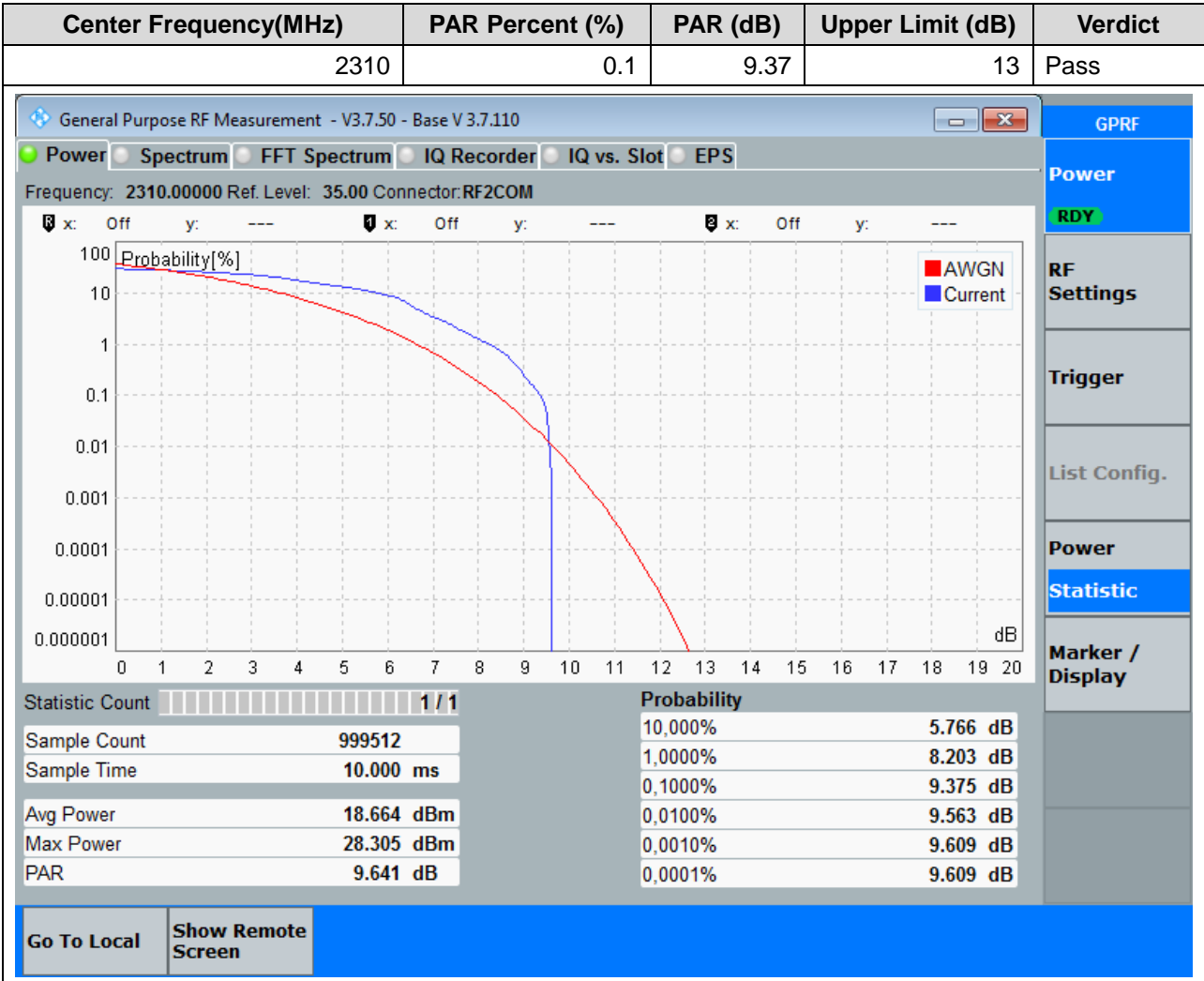
17.1. LTE Peak to Average Ratio(NTNV)(Subtest:1, Channel:38750, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)



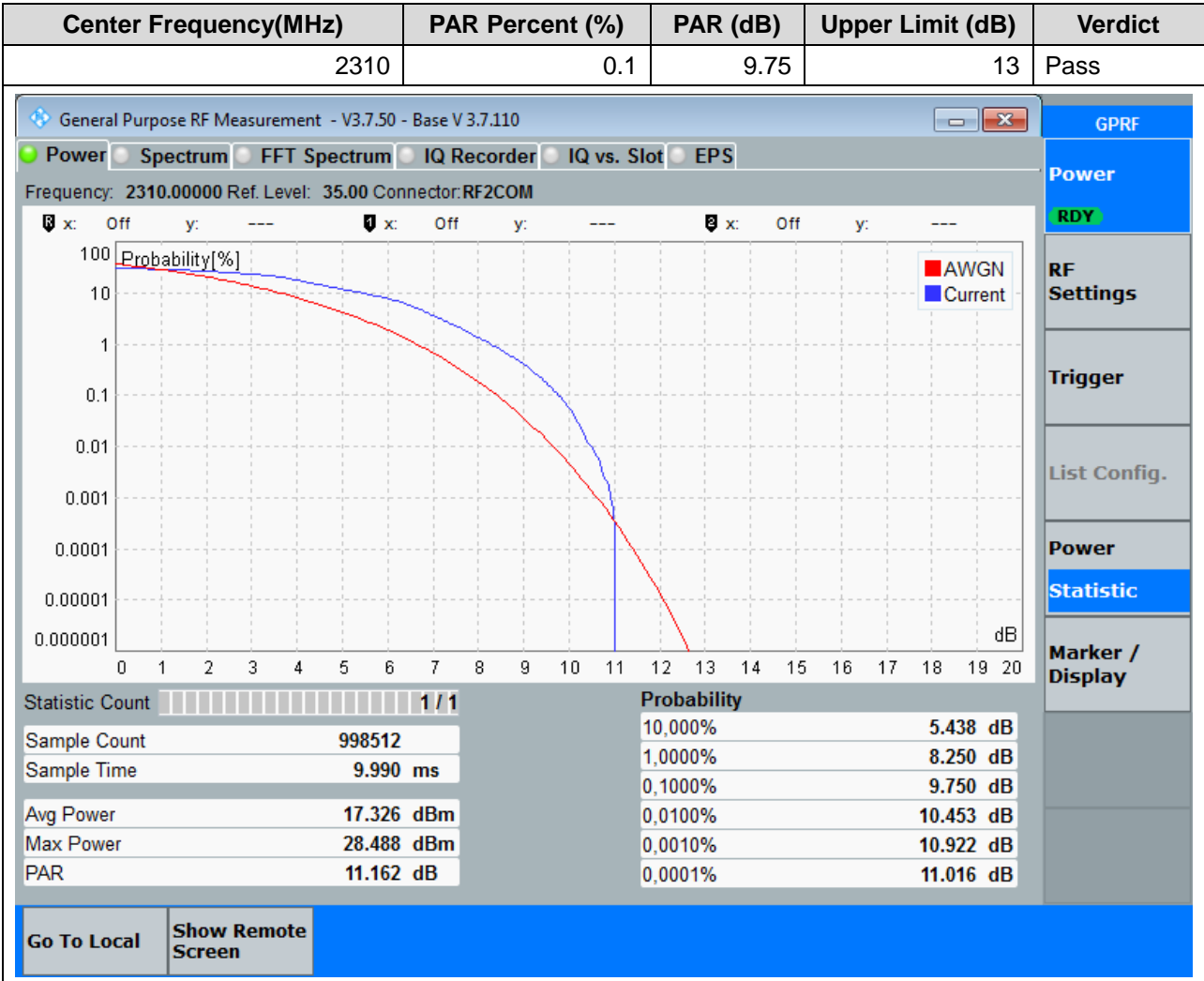
17.2. LTE Peak to Average Ratio(NTNV)(Subtest:2, Channel:38750, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)



17.3. LTE Peak to Average Ratio(NTNV)(Subtest:3, Channel:38750, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:LOW)

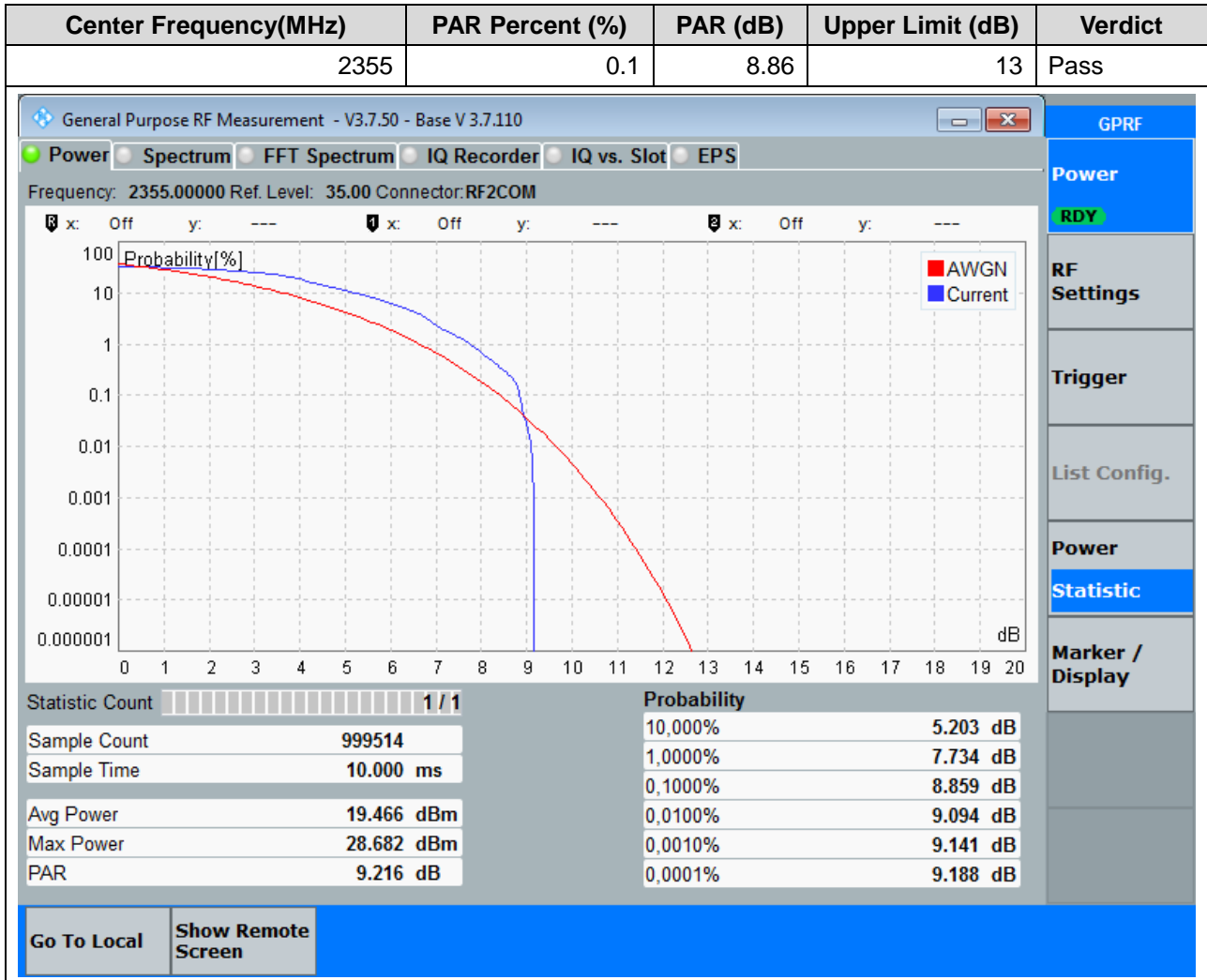


17.4. LTE Peak to Average Ratio(NTNV)(Subtest:4, Channel:38750, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)

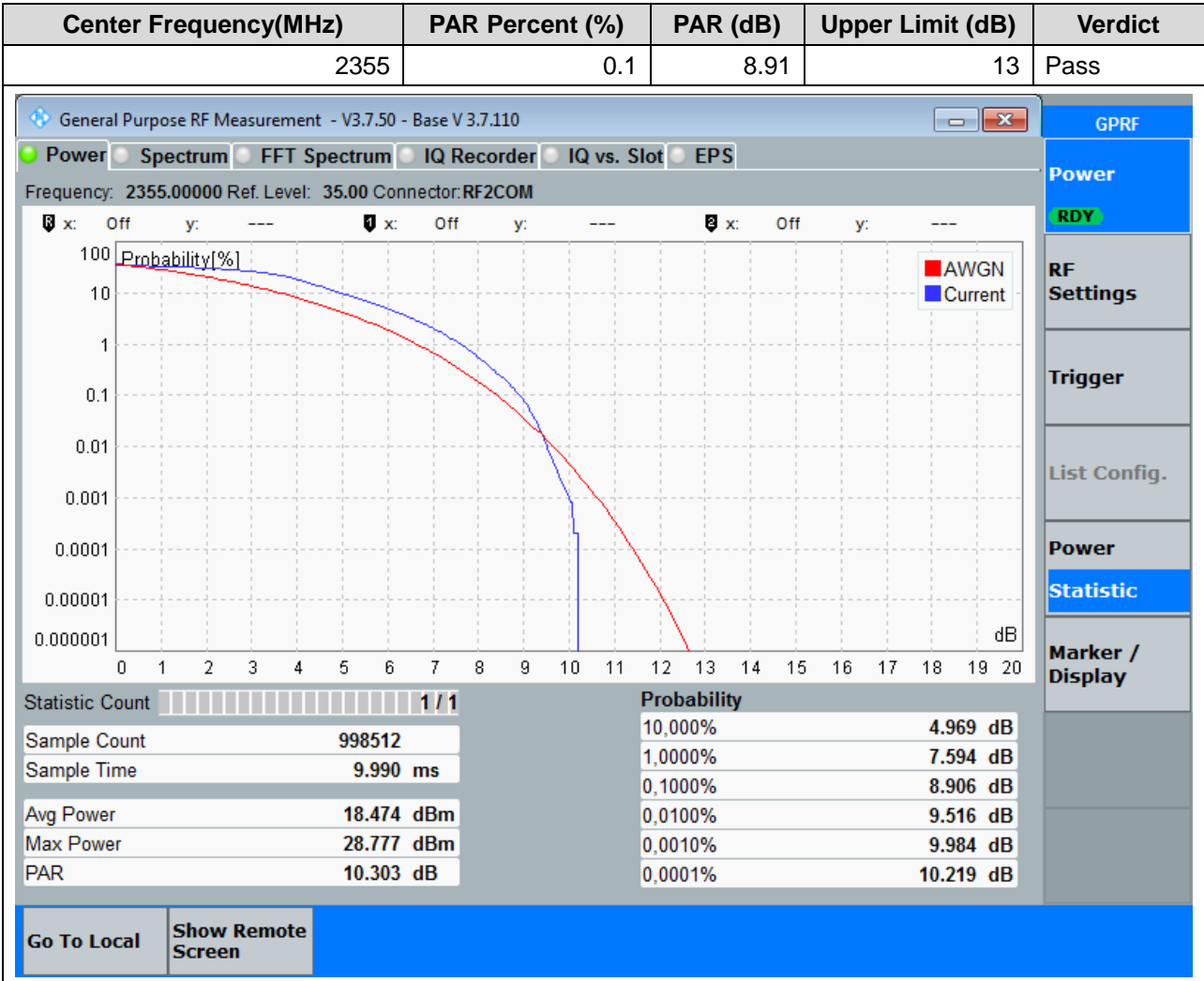


18. LTE_Band40(2350-2360)

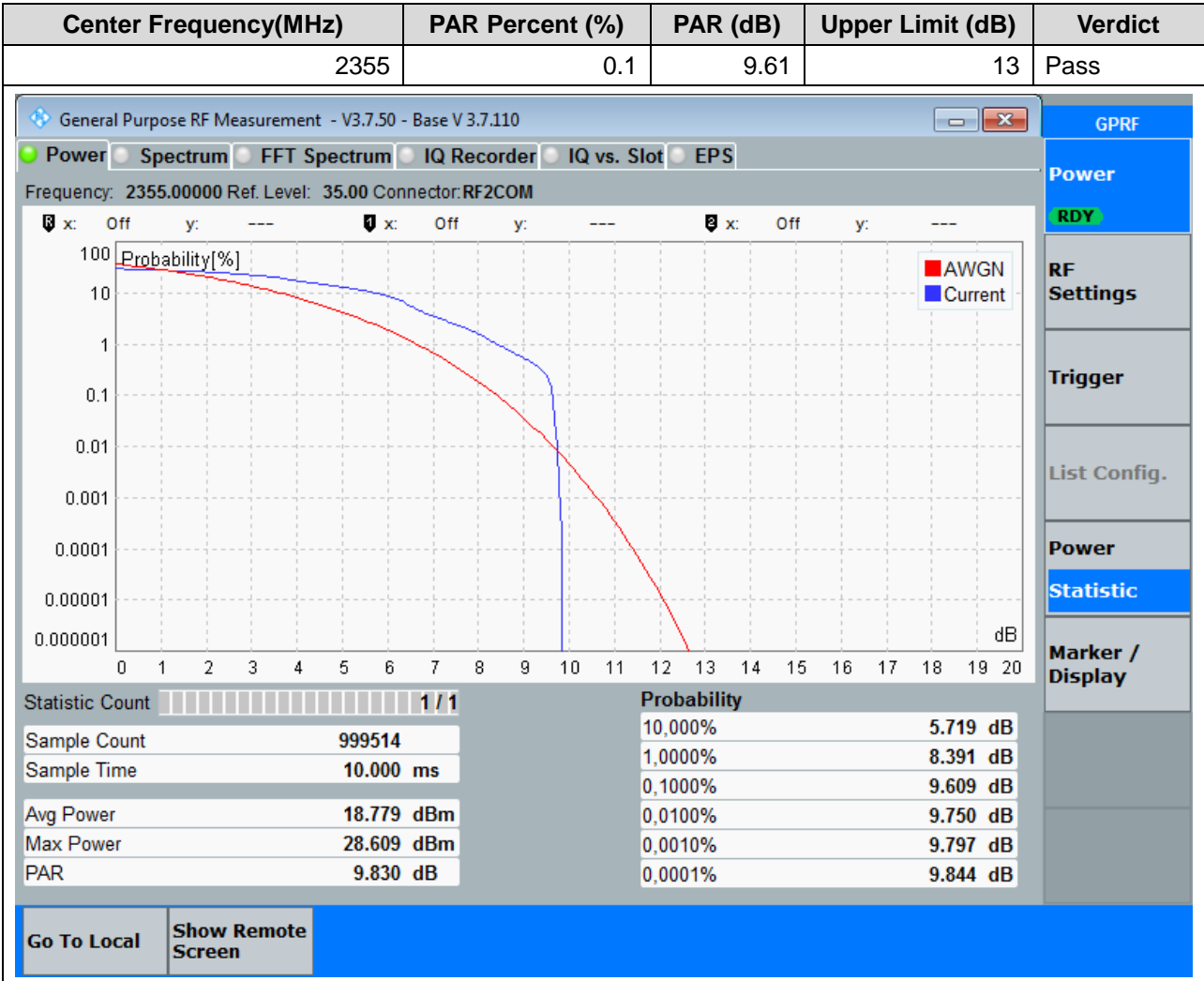
18.1. LTE Peak to Average Ratio(NTNV)(Subtest:1, Channel:39200, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)



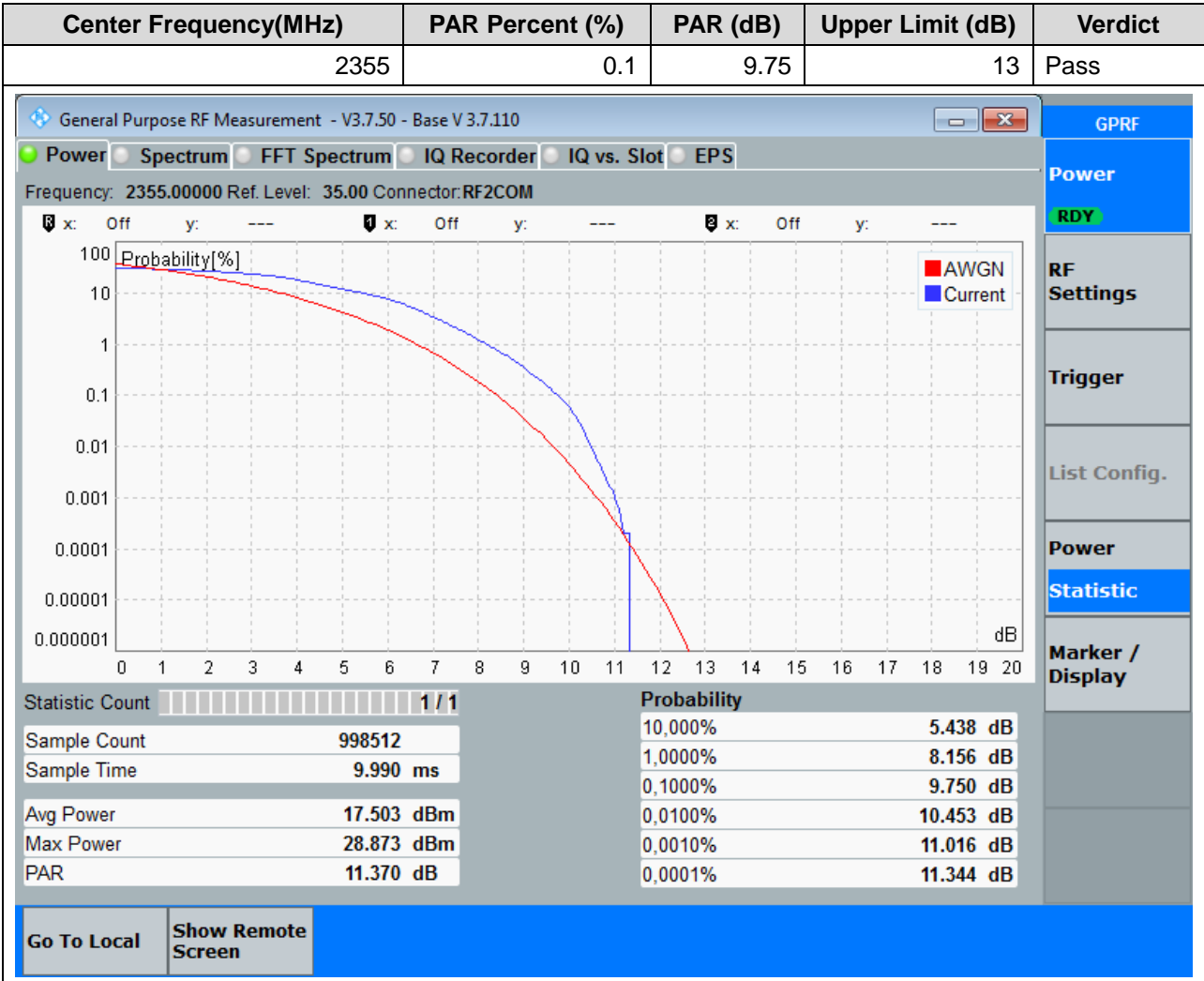
18.2. LTE Peak to Average Ratio(NTNV)(Subtest:2, Channel:39200, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)



18.3. LTE Peak to Average Ratio(NTNV)(Subtest:3, Channel:39200, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:LOW)



18.4. LTE Peak to Average Ratio(NTNV)(Subtest:4, Channel:39200, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)



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