

## A.2 Peak to Average Ratio

# 1. WCDMA\_Band2

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

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1852.4	0.1	3.19	13	Pass

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

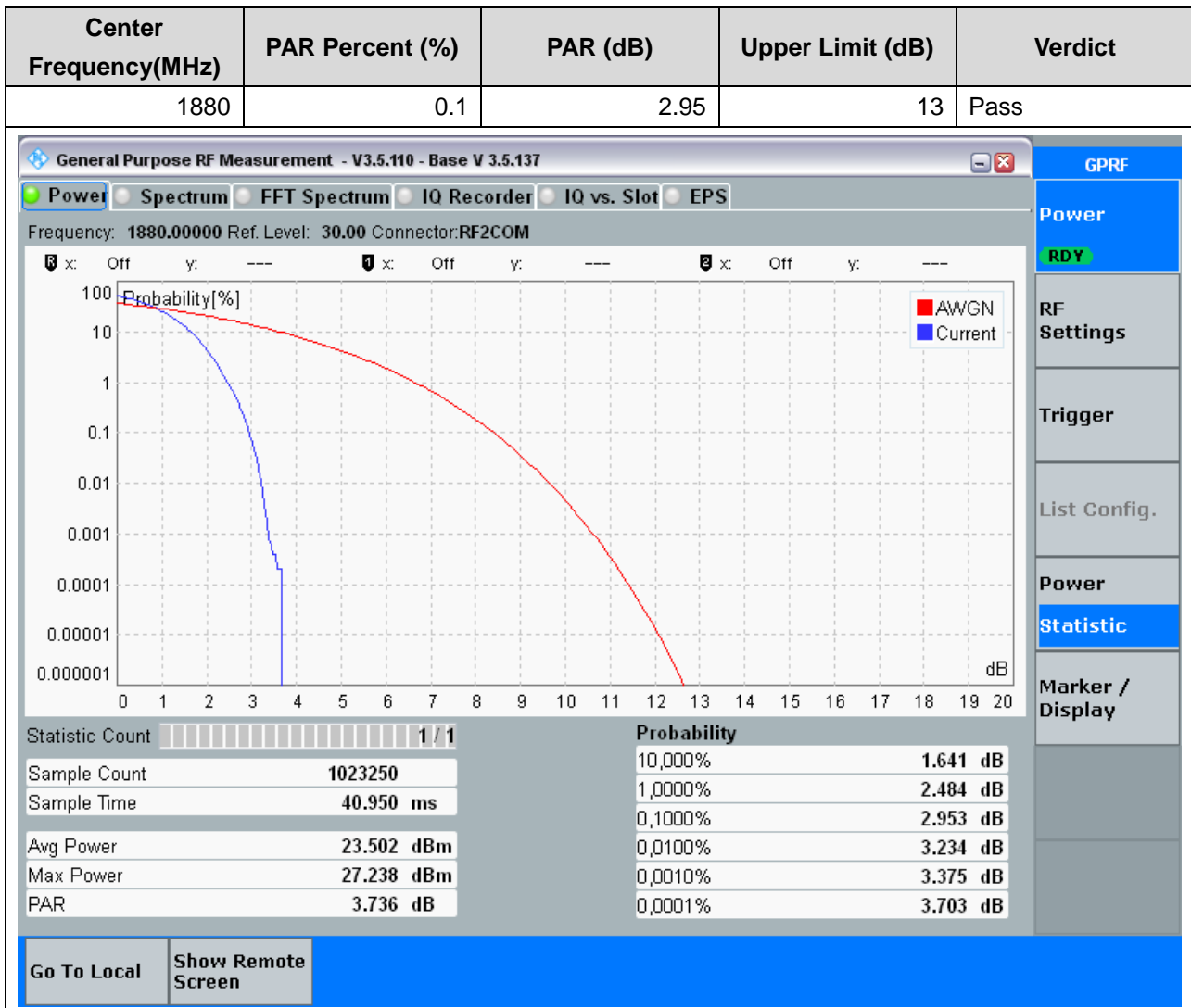
Power Spectrum FFT Spectrum IQ Recorder IQ vs. Slot EPS

Frequency: 1852.40000 Ref. Level: 30.00 Connector:RF2COM

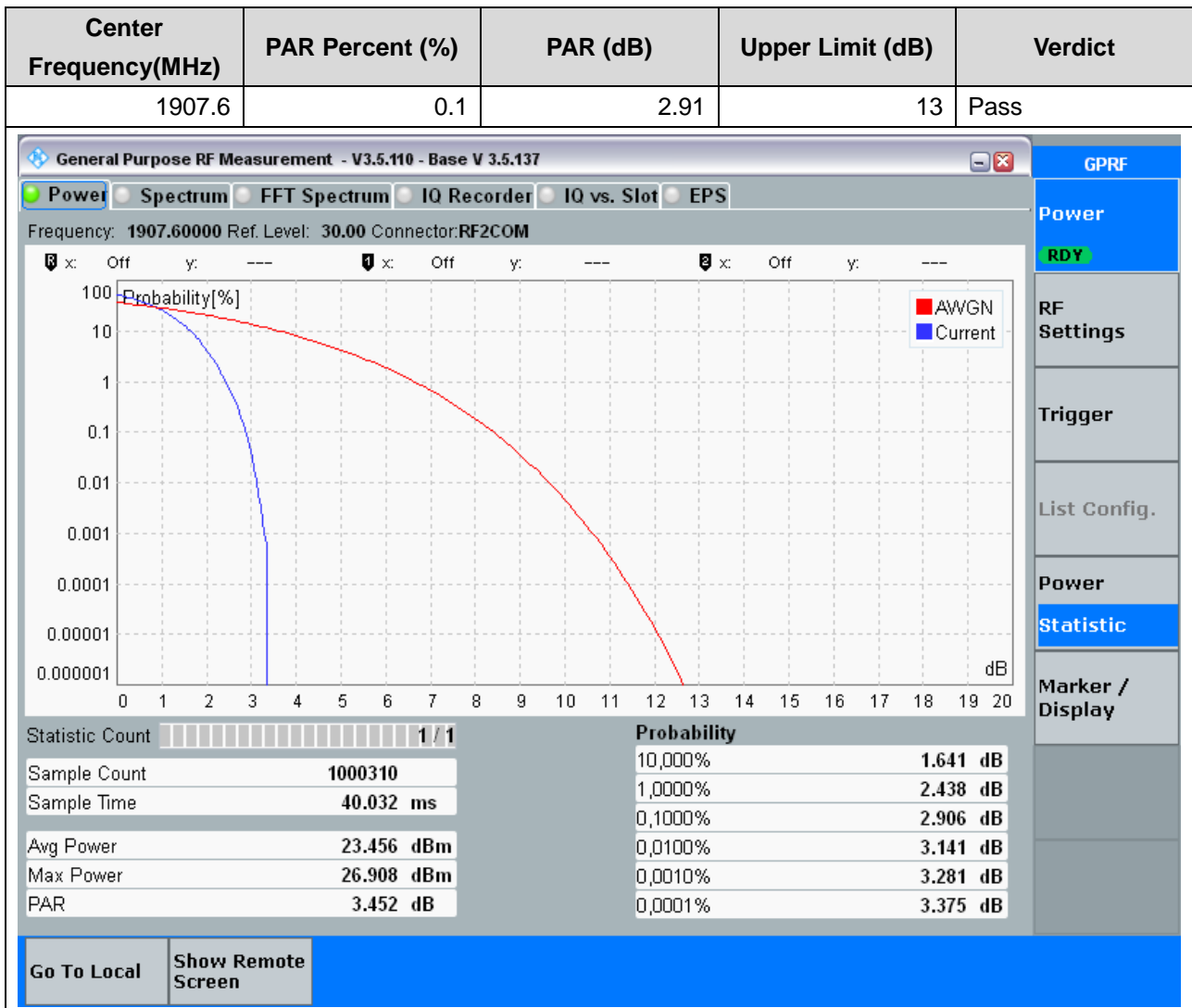
Statistic Count	1 / 1	Probability	
Sample Count	999512	10,000%	1.734 dB
Sample Time	40.000 ms	1,0000%	2.672 dB
Avg Power	23.408 dBm	0,1000%	3.188 dB
Max Power	27.580 dBm	0,0010%	3.656 dB
PAR	4.172 dB	0,0001%	4.031 dB

Go To Local Show Remote Screen

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



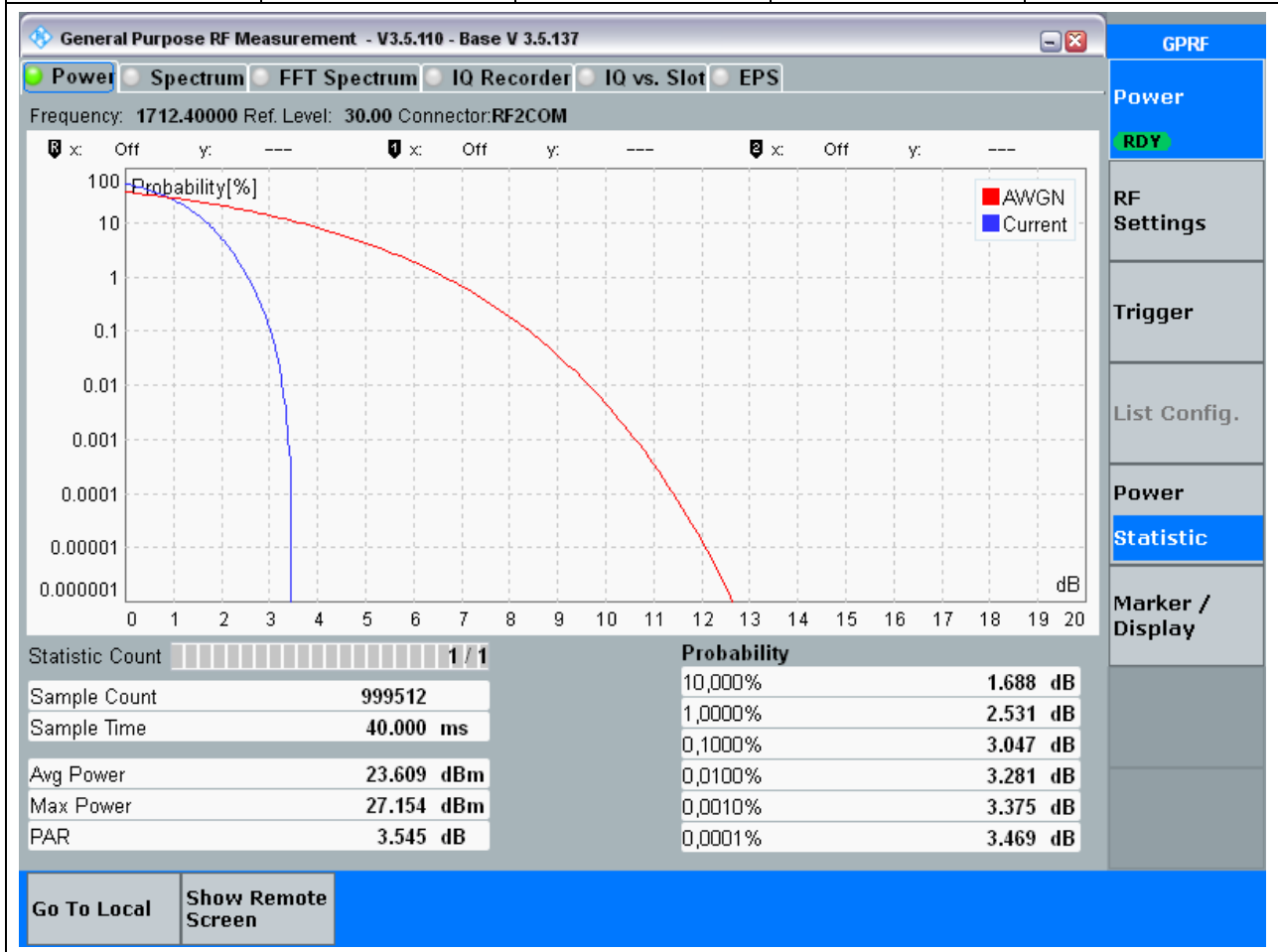
### 1.3. WCDMA Peak to Average Ratio(NTNV)(Channel:9538)



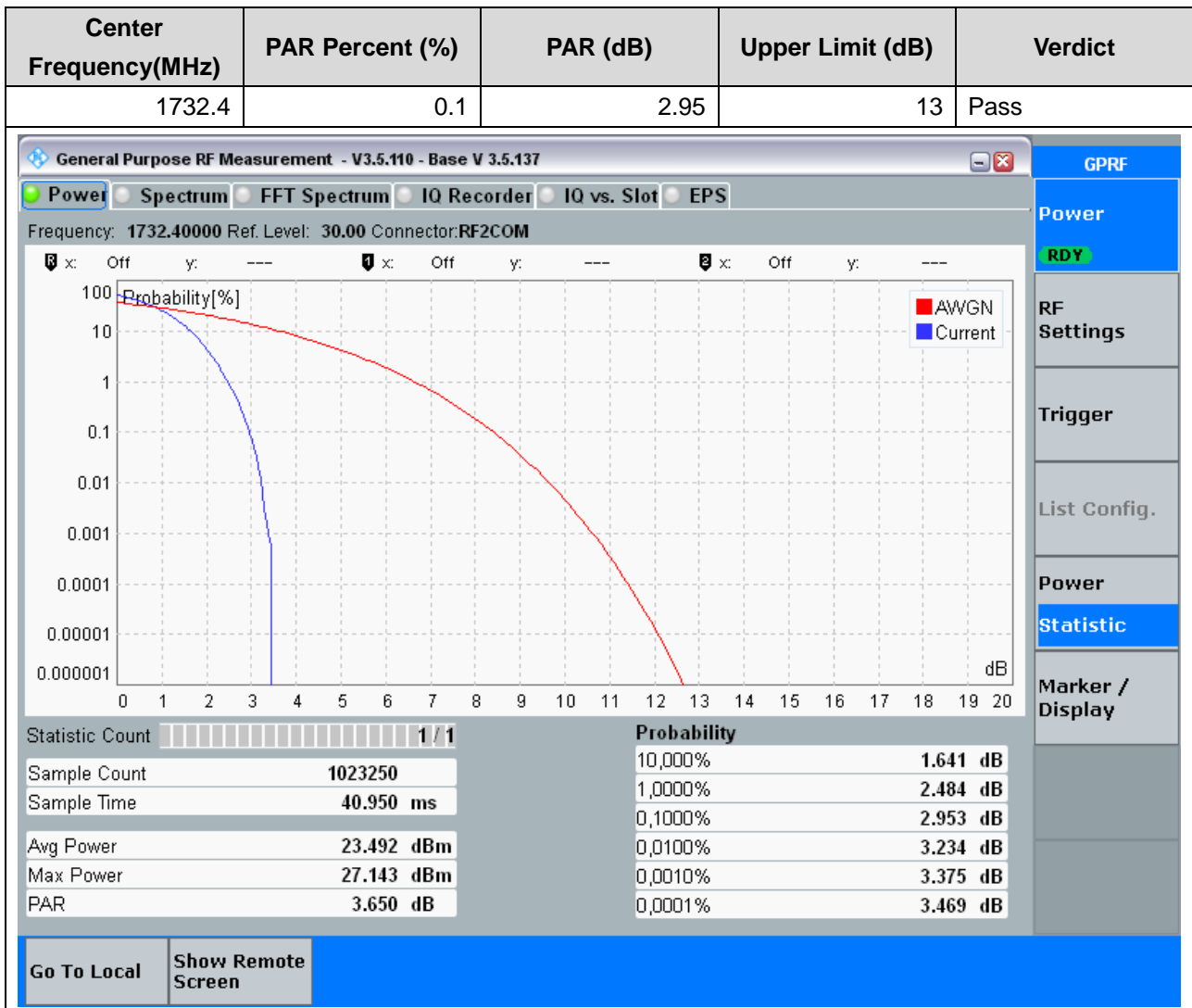
## 2. WCDMA\_Band4

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

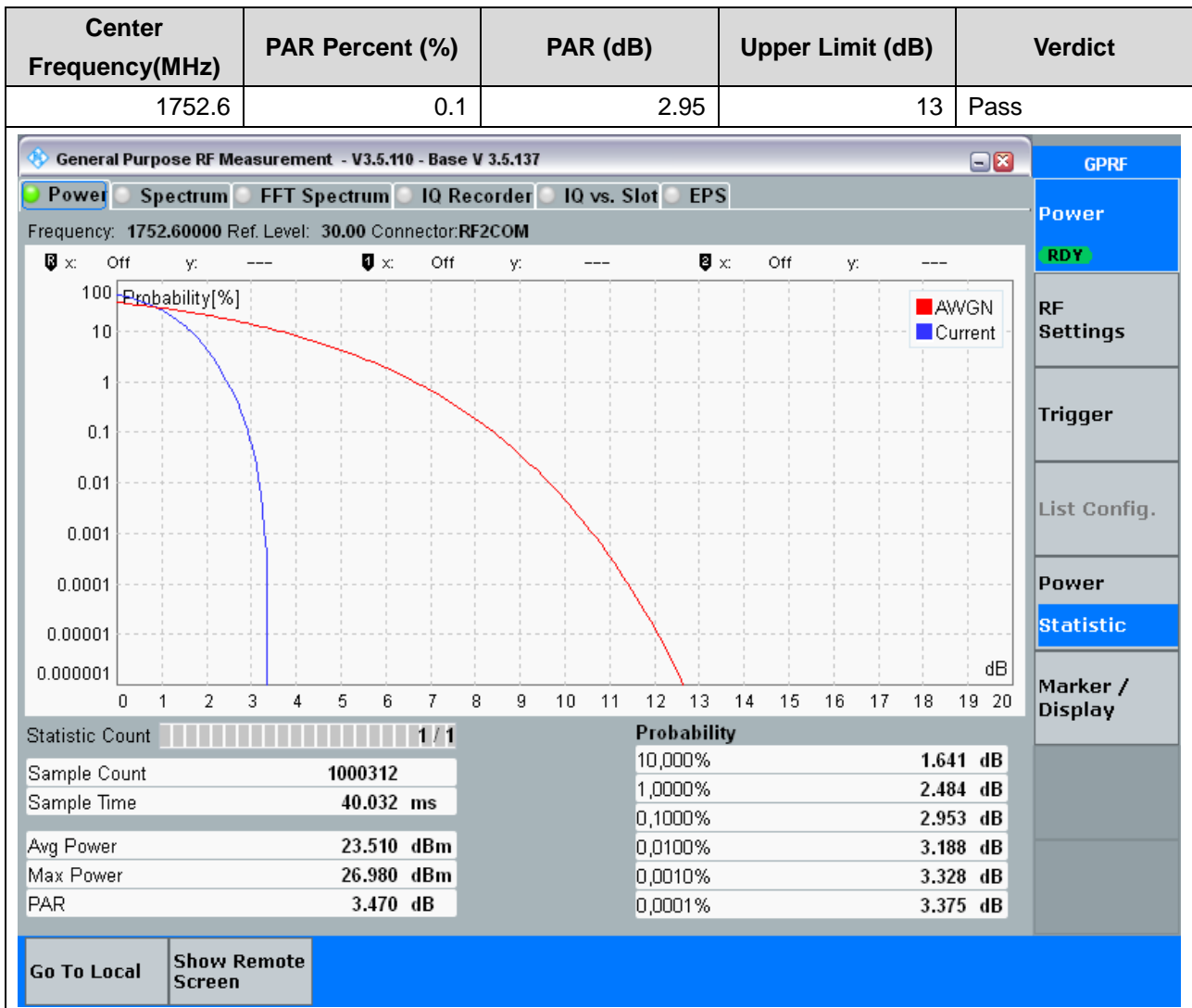
Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1712.4	0.1	3.05	13	Pass



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



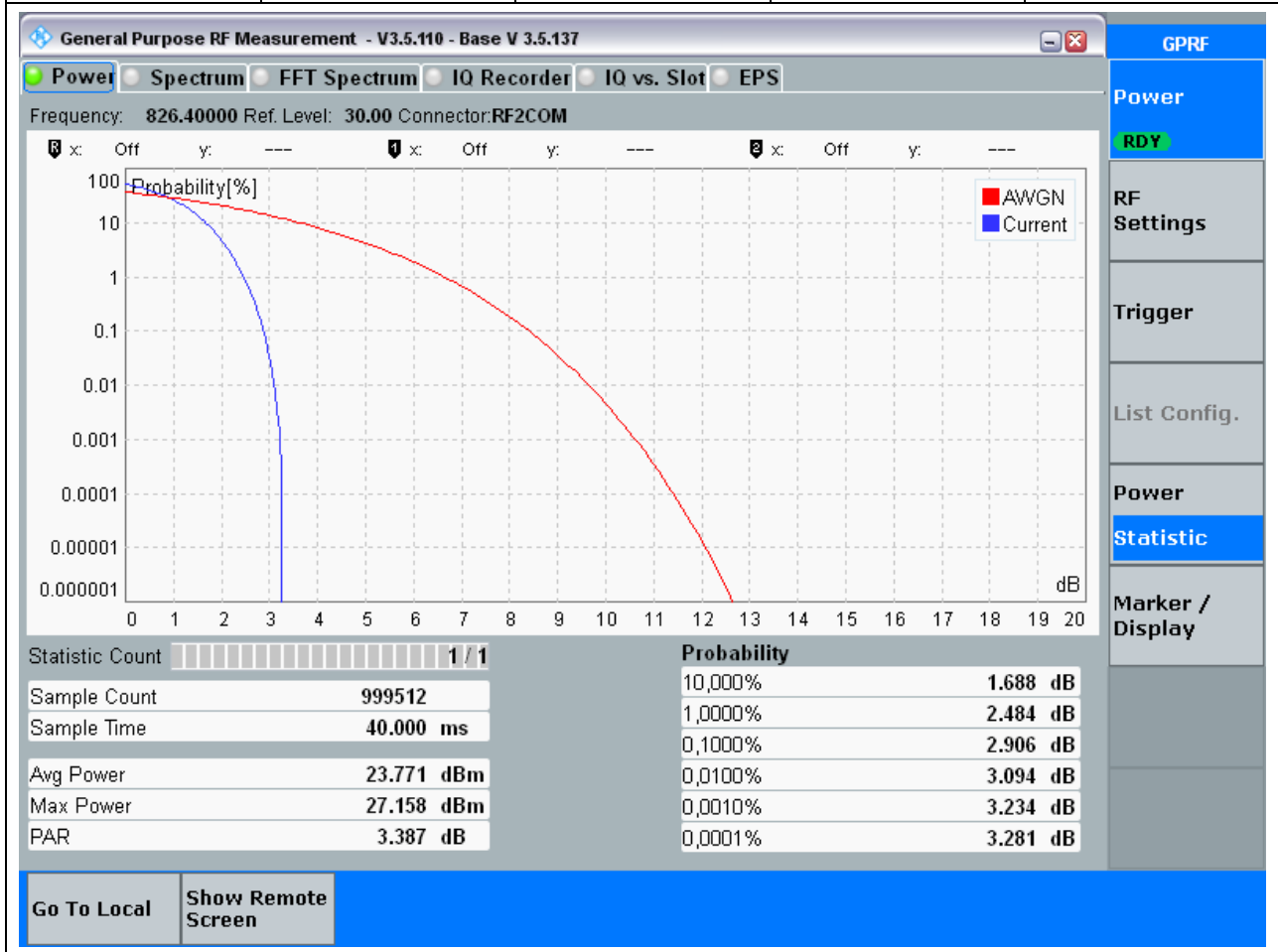
### 2.3. WCDMA Peak to Average Ratio(NTNV)(Channel:1513)



### 3. WCDMA\_Band5

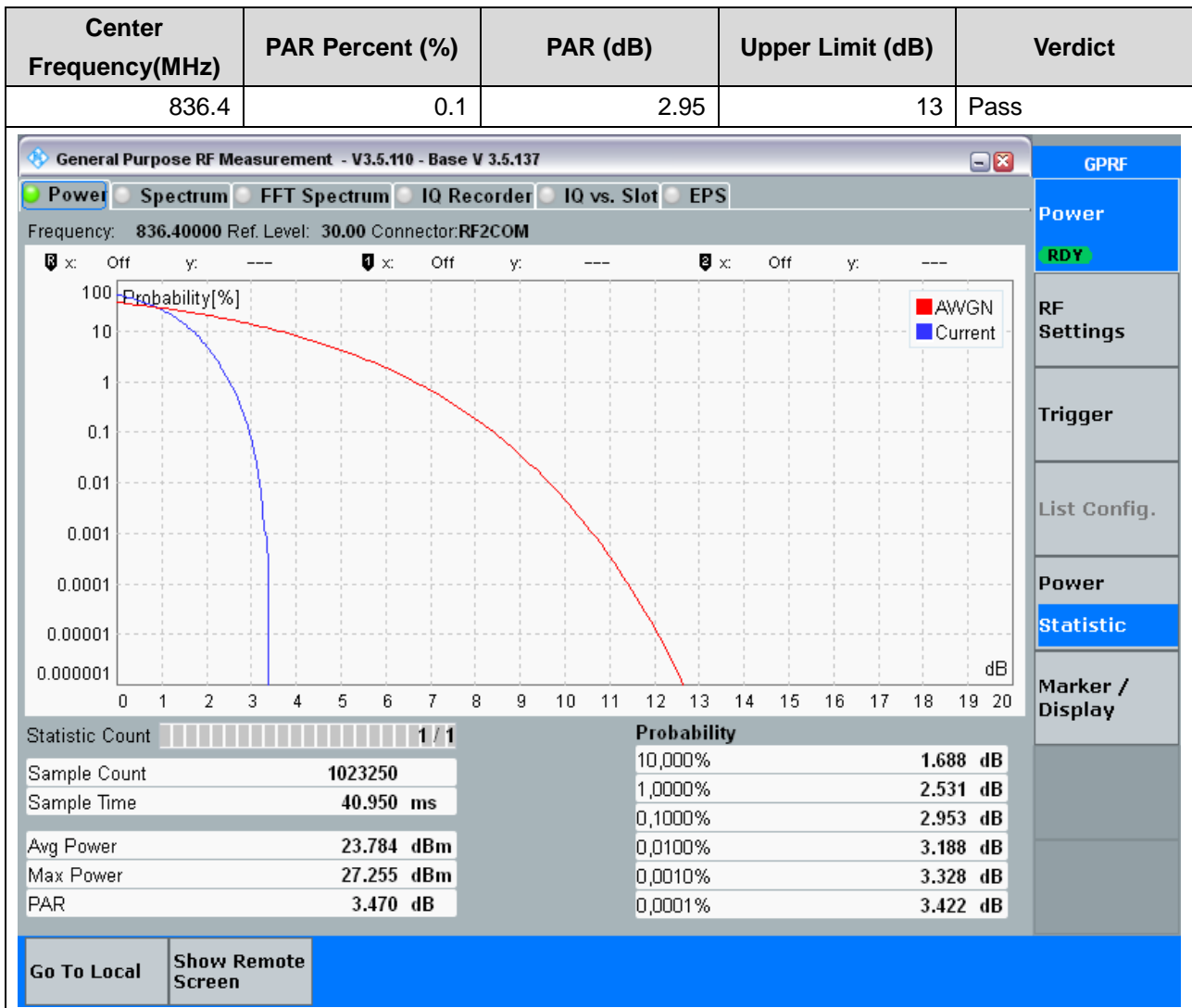
#### 3.1. WCDMA Peak to Average Ratio(NTNV)(Channel:4132)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
826.4	0.1	2.91	13	Pass

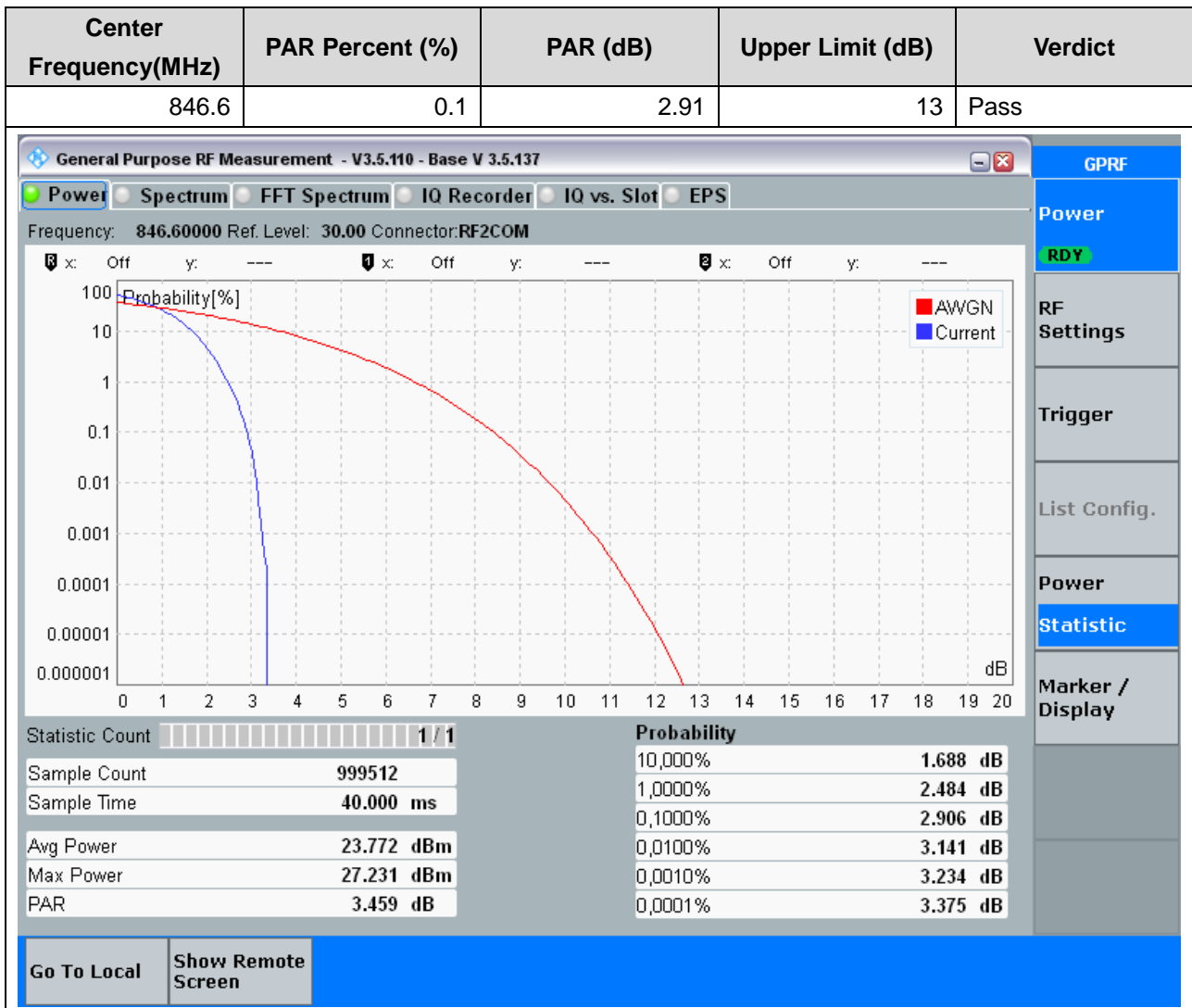




### 3.2. WCDMA Peak to Average Ratio(NTNV)(Channel:4182)

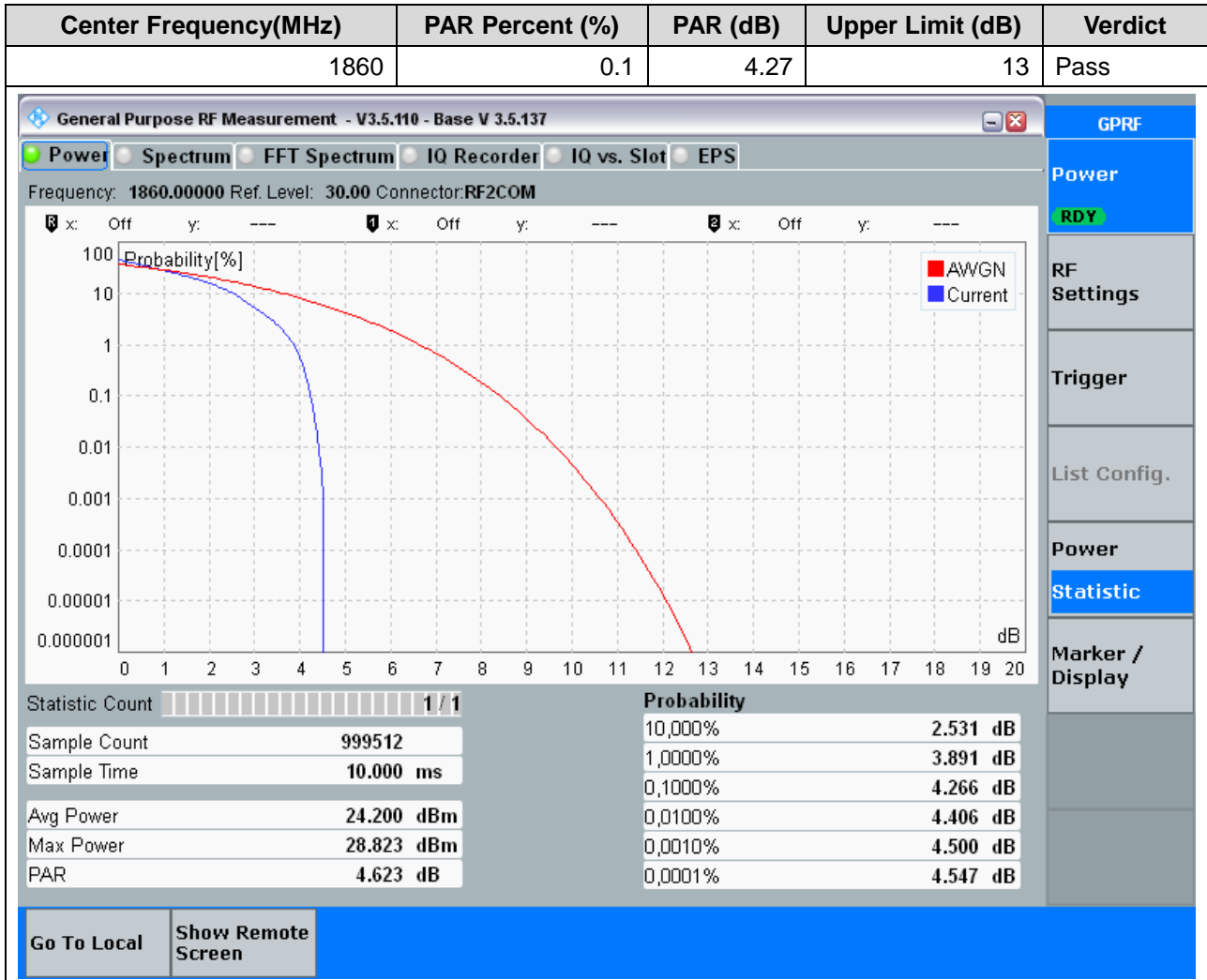


### 3.3. WCDMA Peak to Average Ratio(NTNV)(Channel:4233)

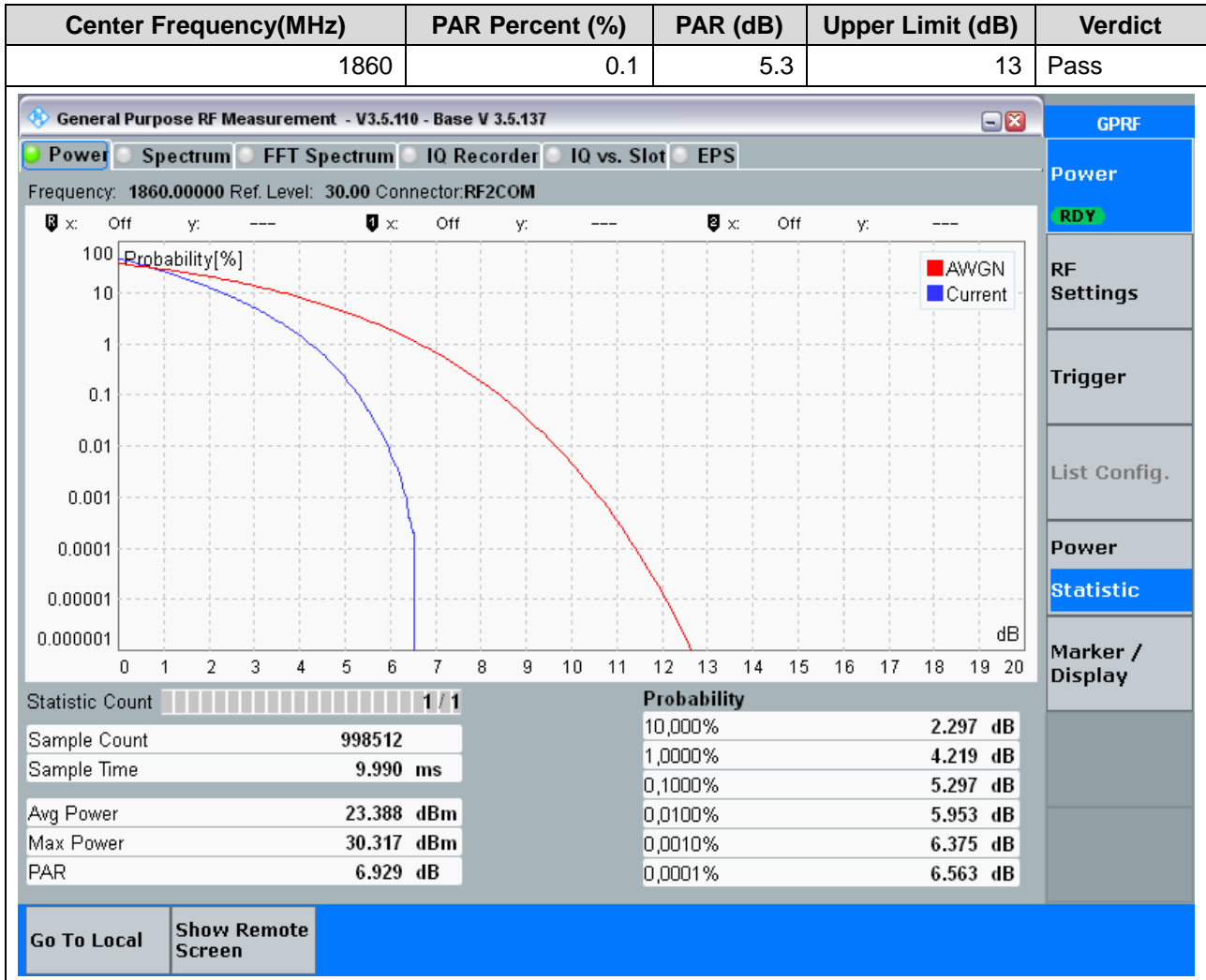


## 4. LTE\_Band2

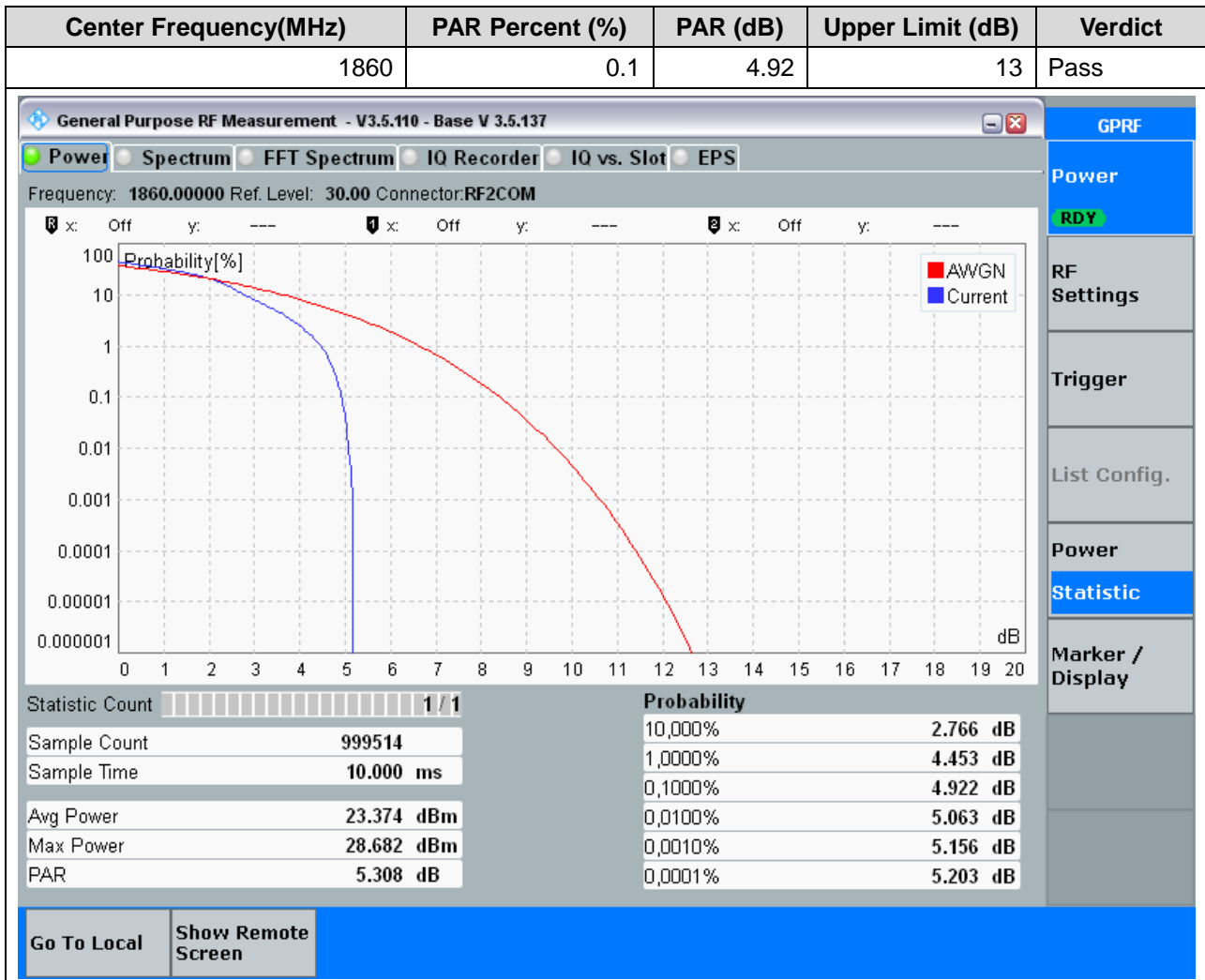
### 4.1. LTE Peak to Average Ratio(NTNV)(Subtest:1, Channel:18700, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)



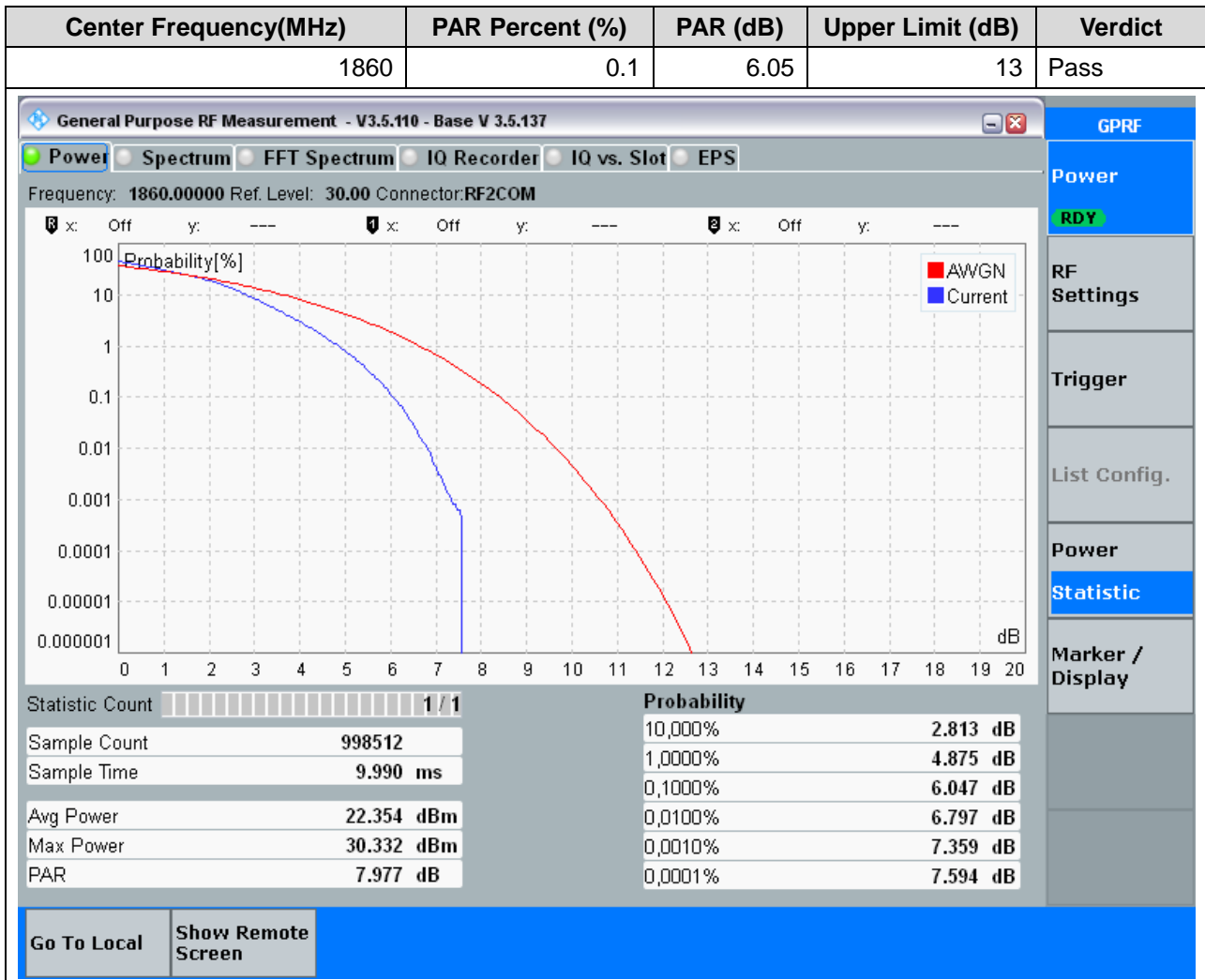
**4.2. LTE Peak to Average Ratio(NTNV)(Subtest:2, Channel:18700, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)**



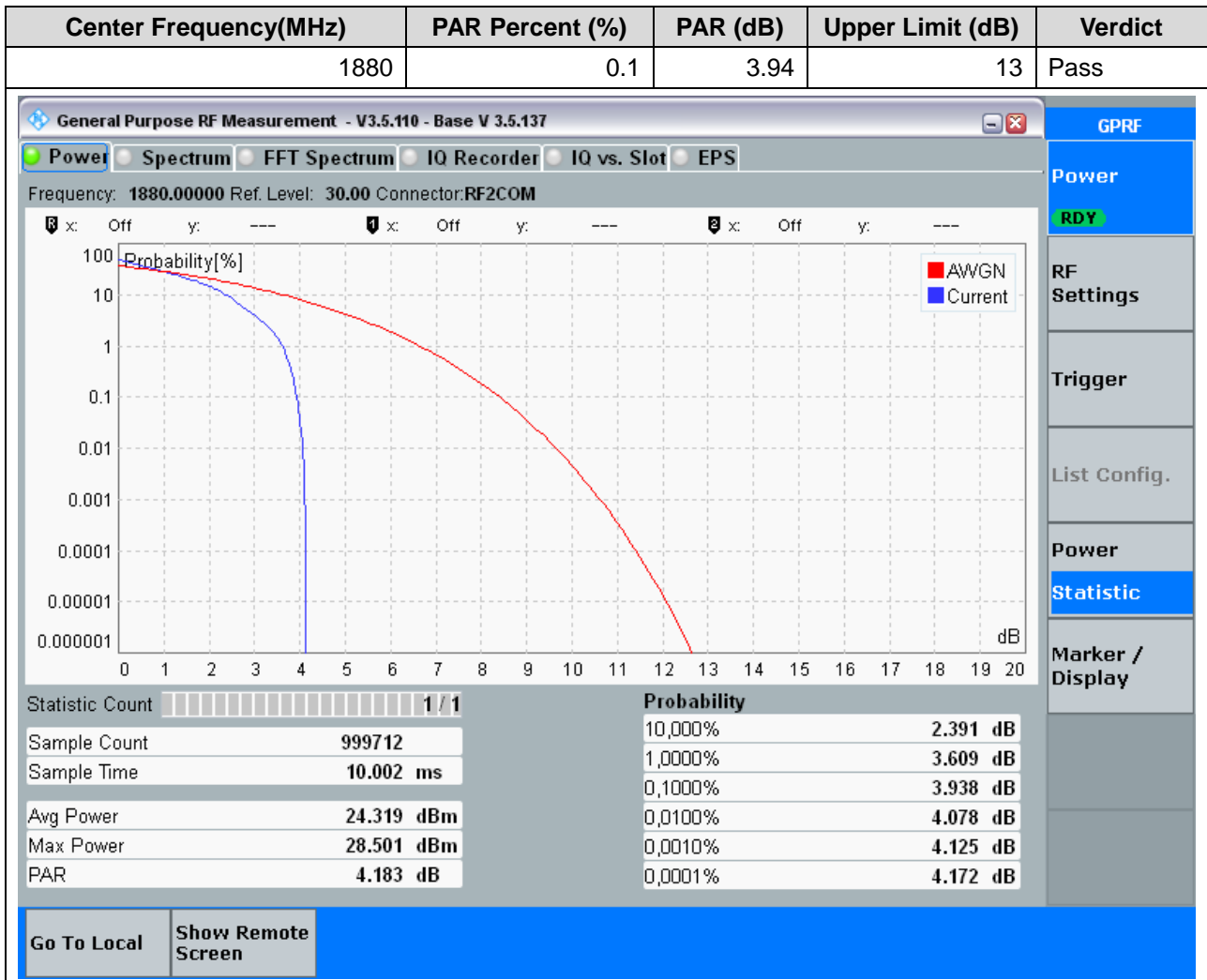
### 4.3. LTE Peak to Average Ratio(NTNV)(Subtest:3, Channel:18700, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)



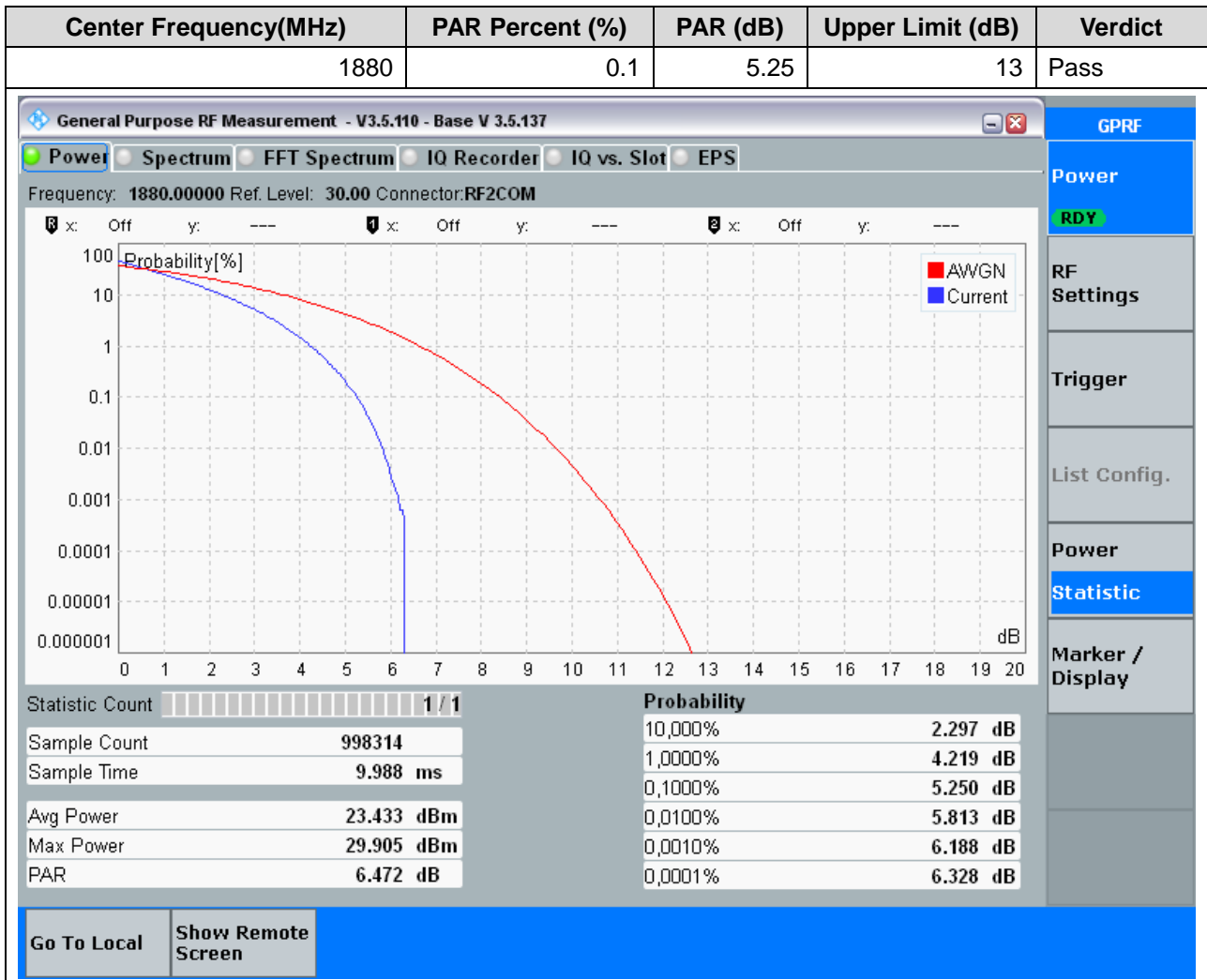
#### 4.4. LTE Peak to Average Ratio(NTNV)(Subtest:4, Channel:18700, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)



**4.5. LTE Peak to Average Ratio(NTNV)(Subtest:5, Channel:18900, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)**

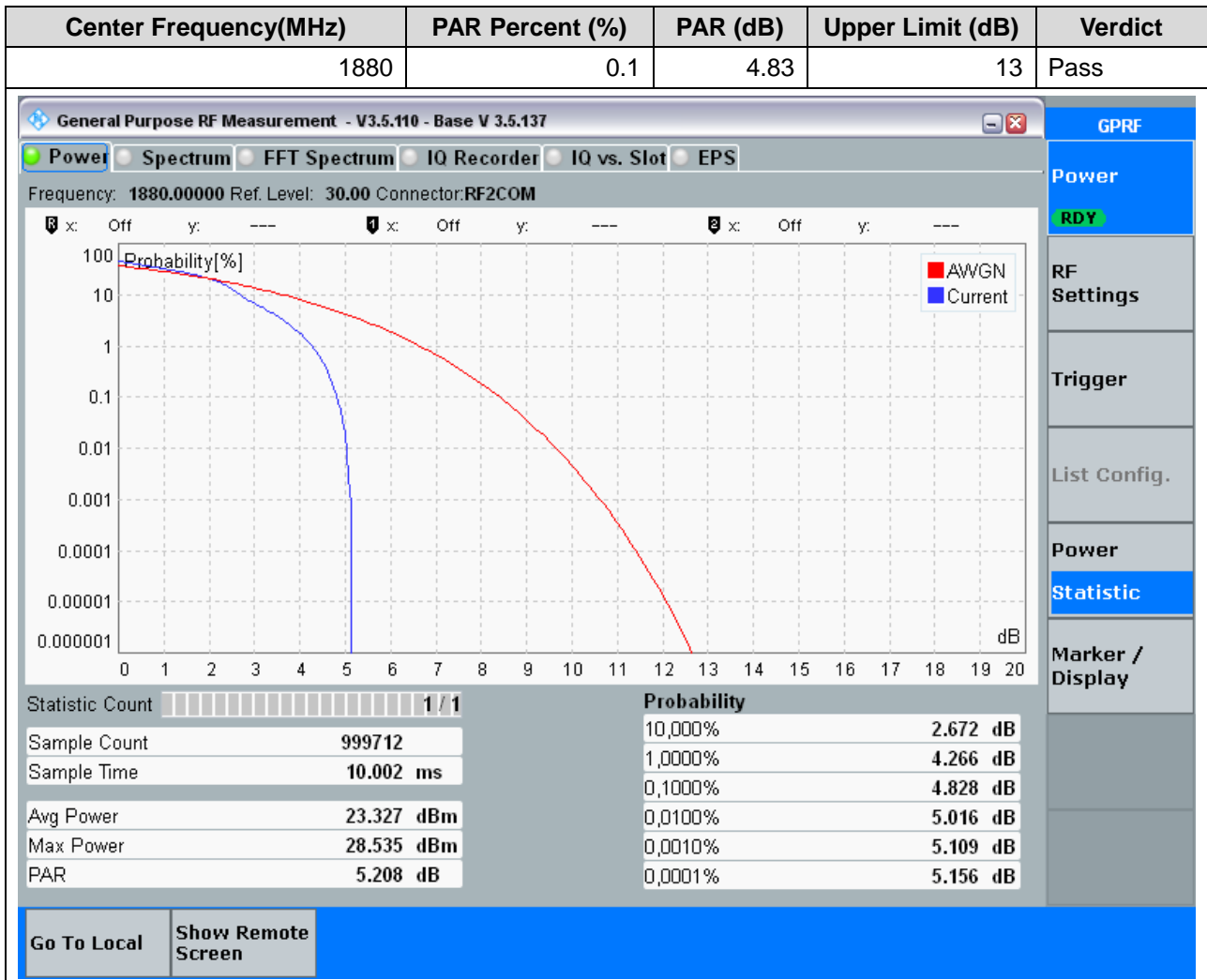


**4.6. LTE Peak to Average Ratio(NTNV)(Subtest:6, Channel:18900, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)**

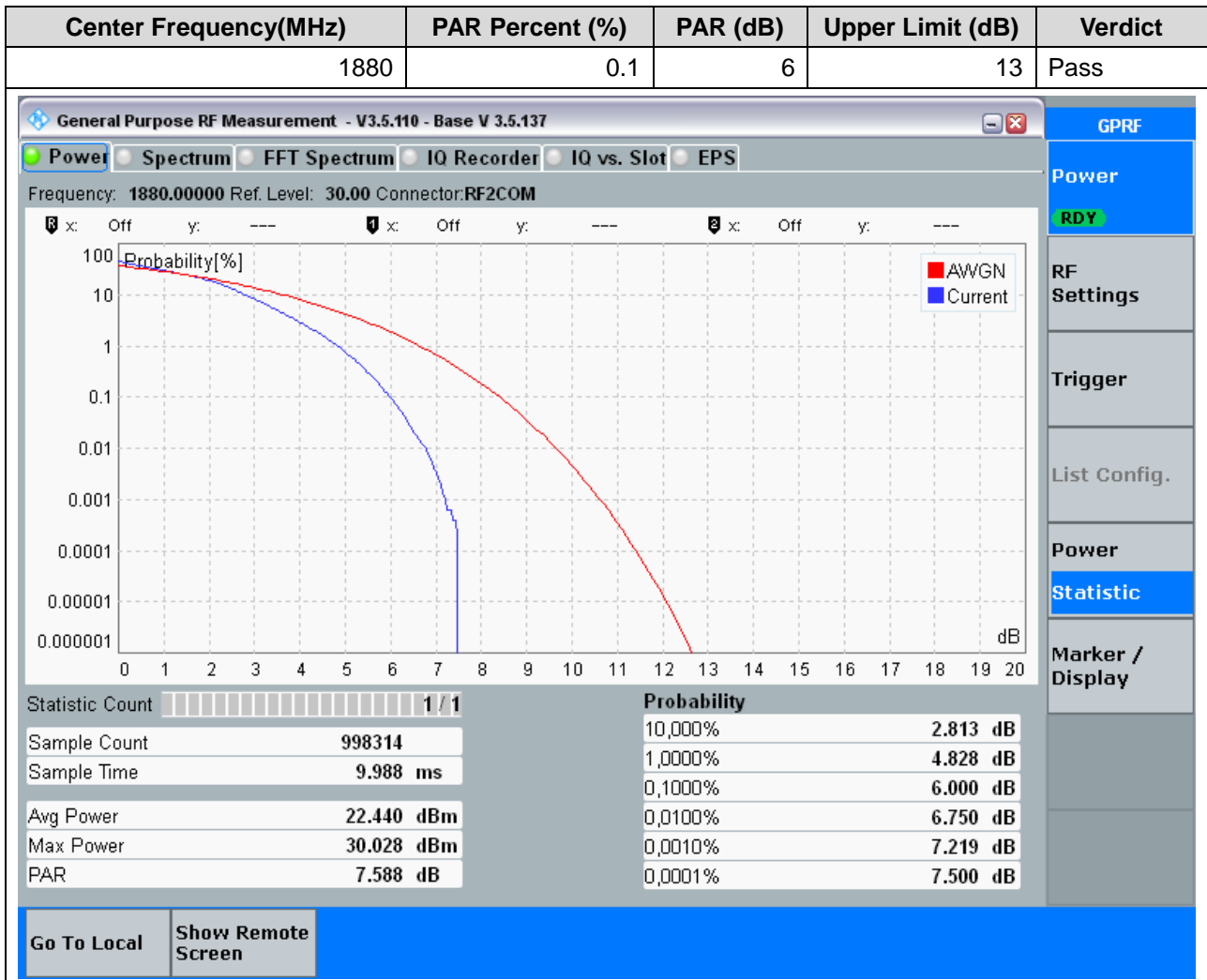




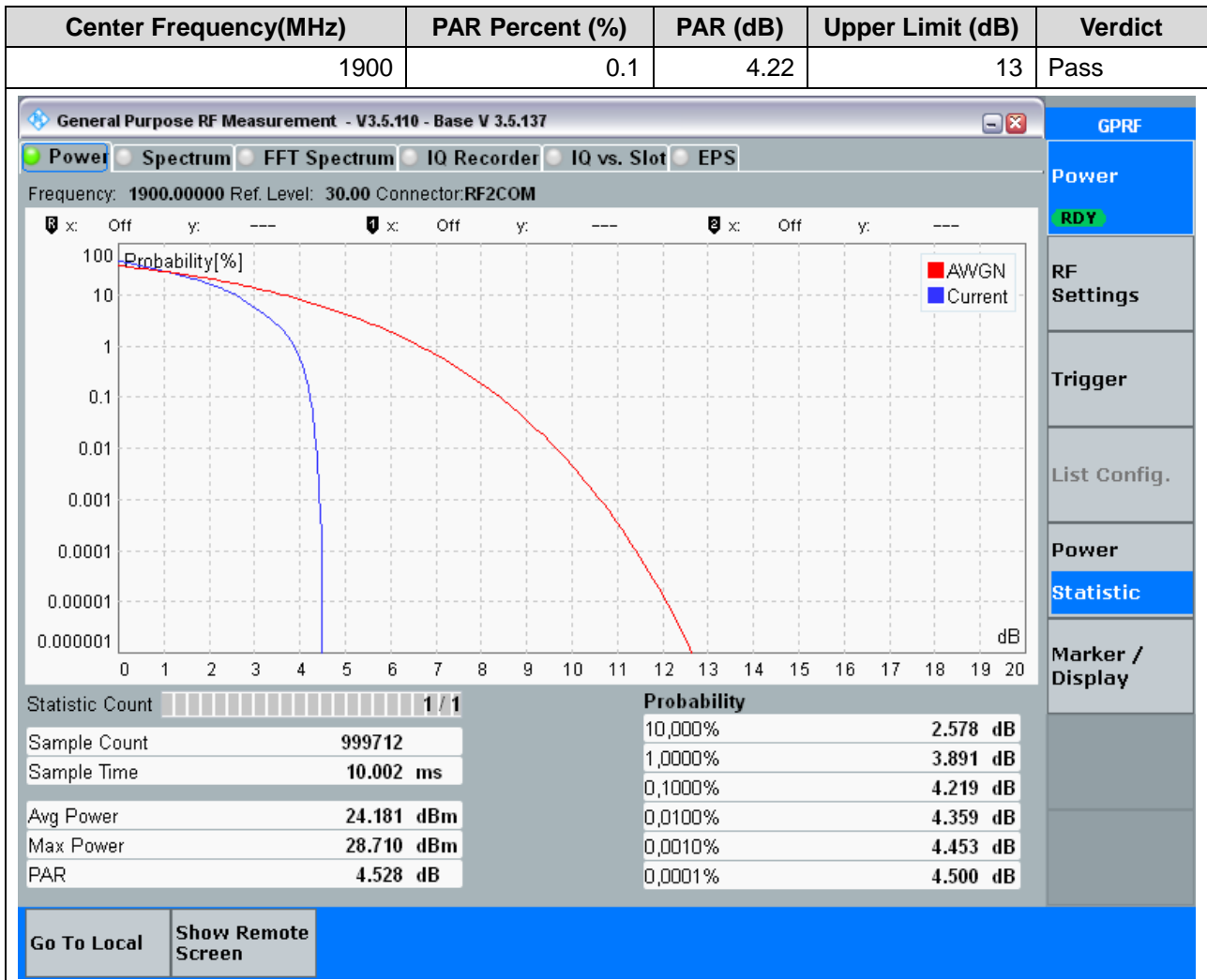
**4.7. LTE Peak to Average Ratio(NTNV)(Subtest:7, Channel:18900, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)**



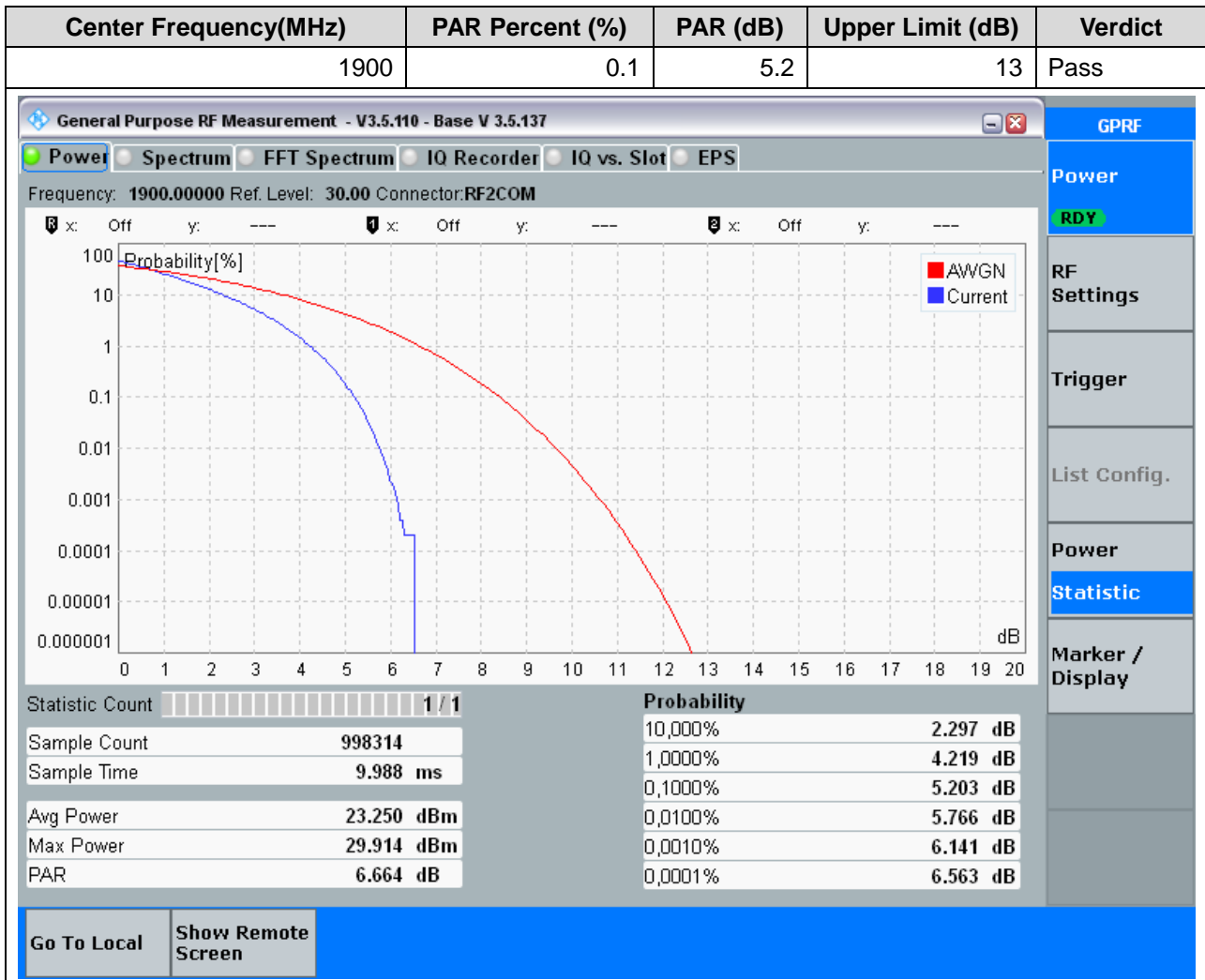
**4.8. LTE Peak to Average Ratio(NTNV)(Subtest:8, Channel:18900, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)**



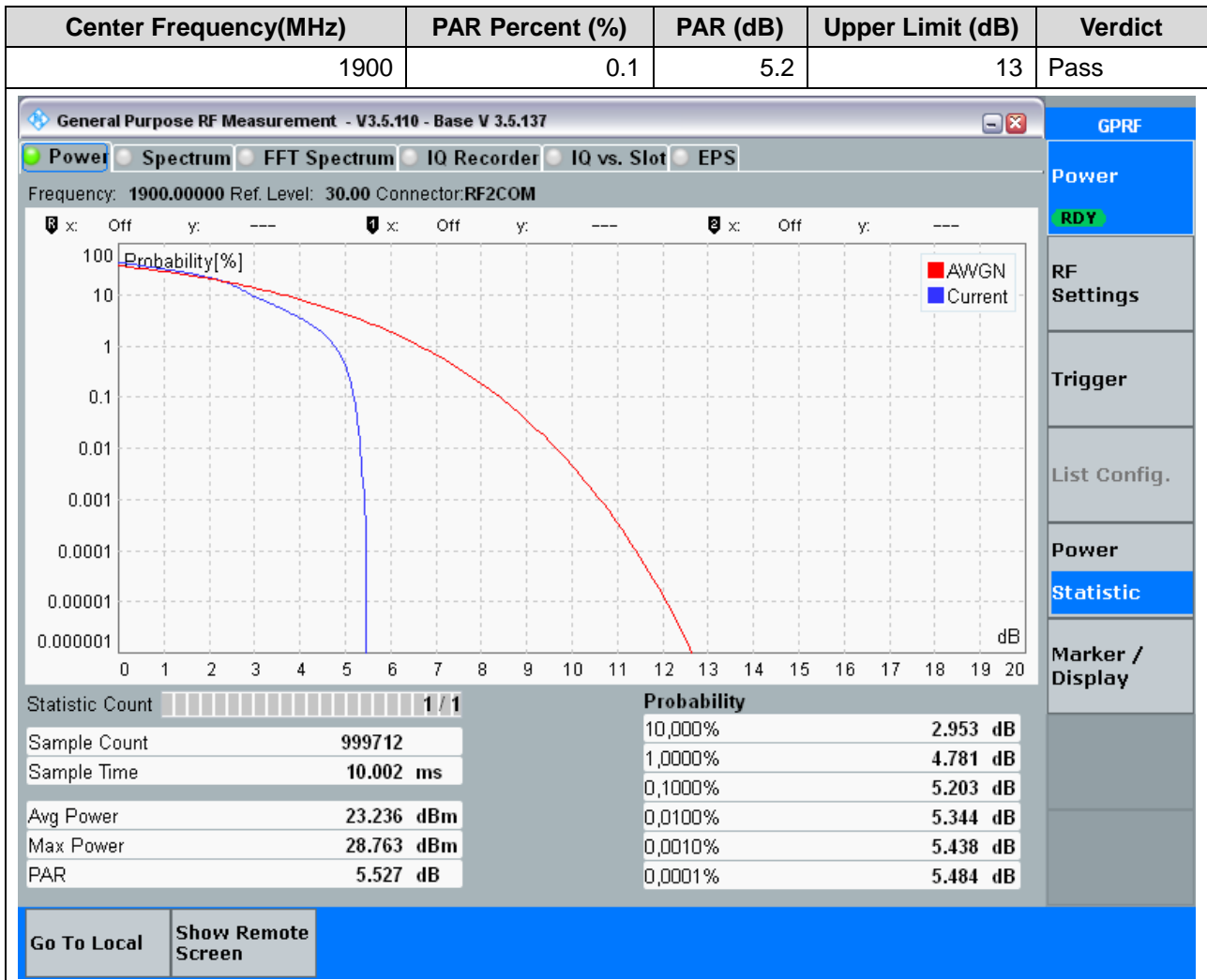
#### 4.9. LTE Peak to Average Ratio(NTNV)(Subtest:9, Channel:19100, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)



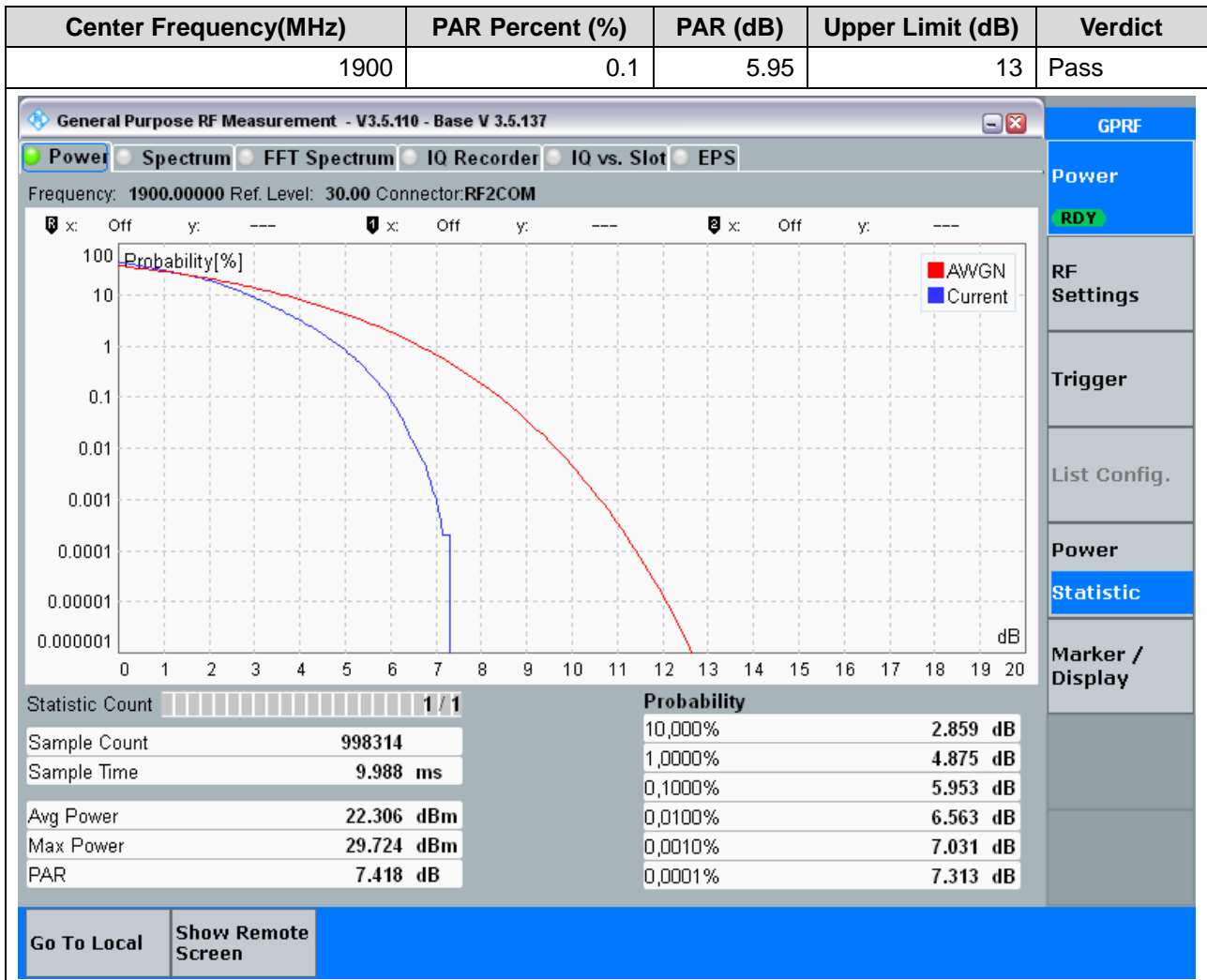
**4.10. LTE Peak to Average Ratio(NTNV)(Subtest:10, Channel:19100, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)**



**4.11. LTE Peak to Average Ratio(NTNV)(Subtest:11, Channel:19100, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)**

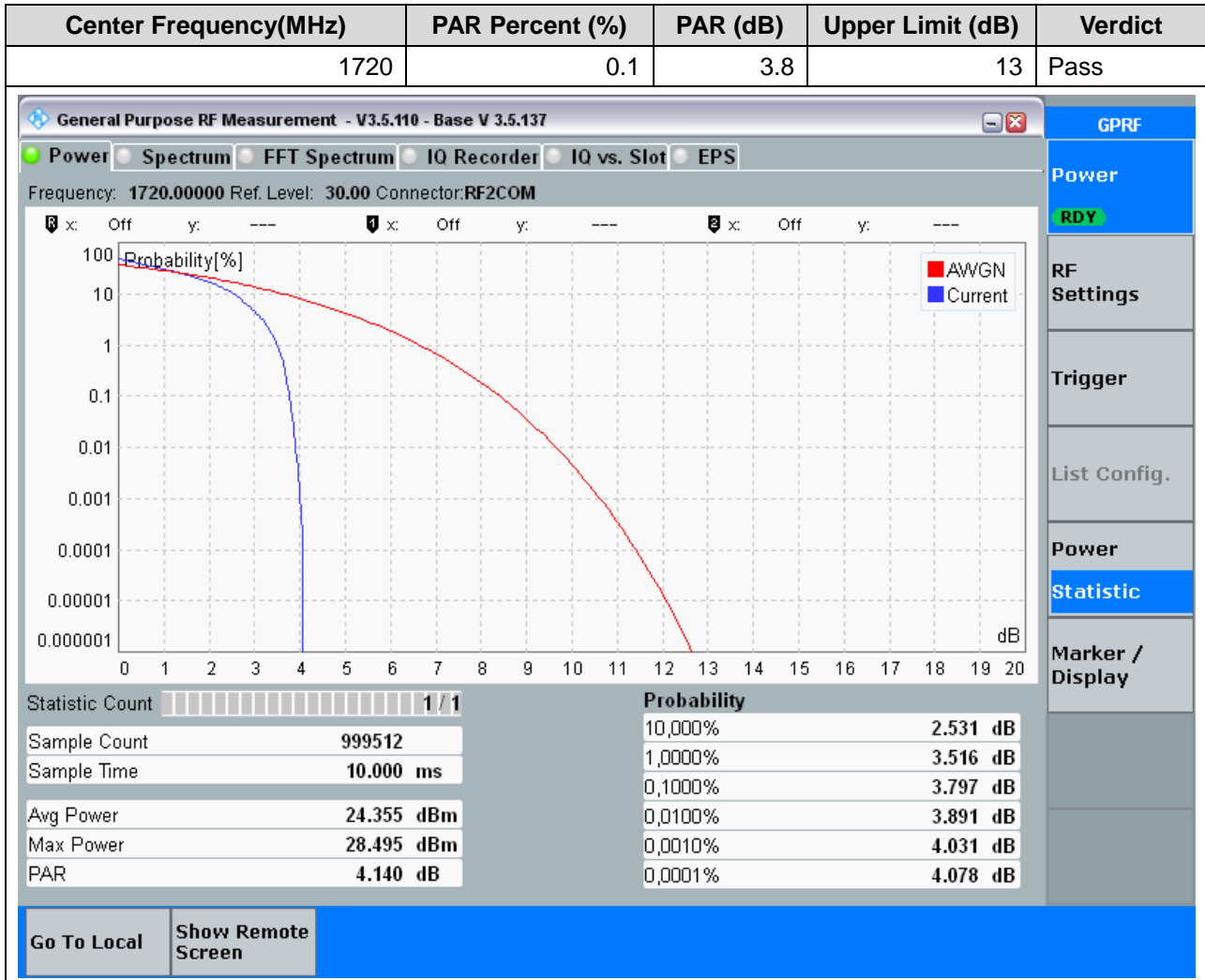


**4.12. LTE Peak to Average Ratio(NTNV)(Subtest:12, Channel:19100, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)**

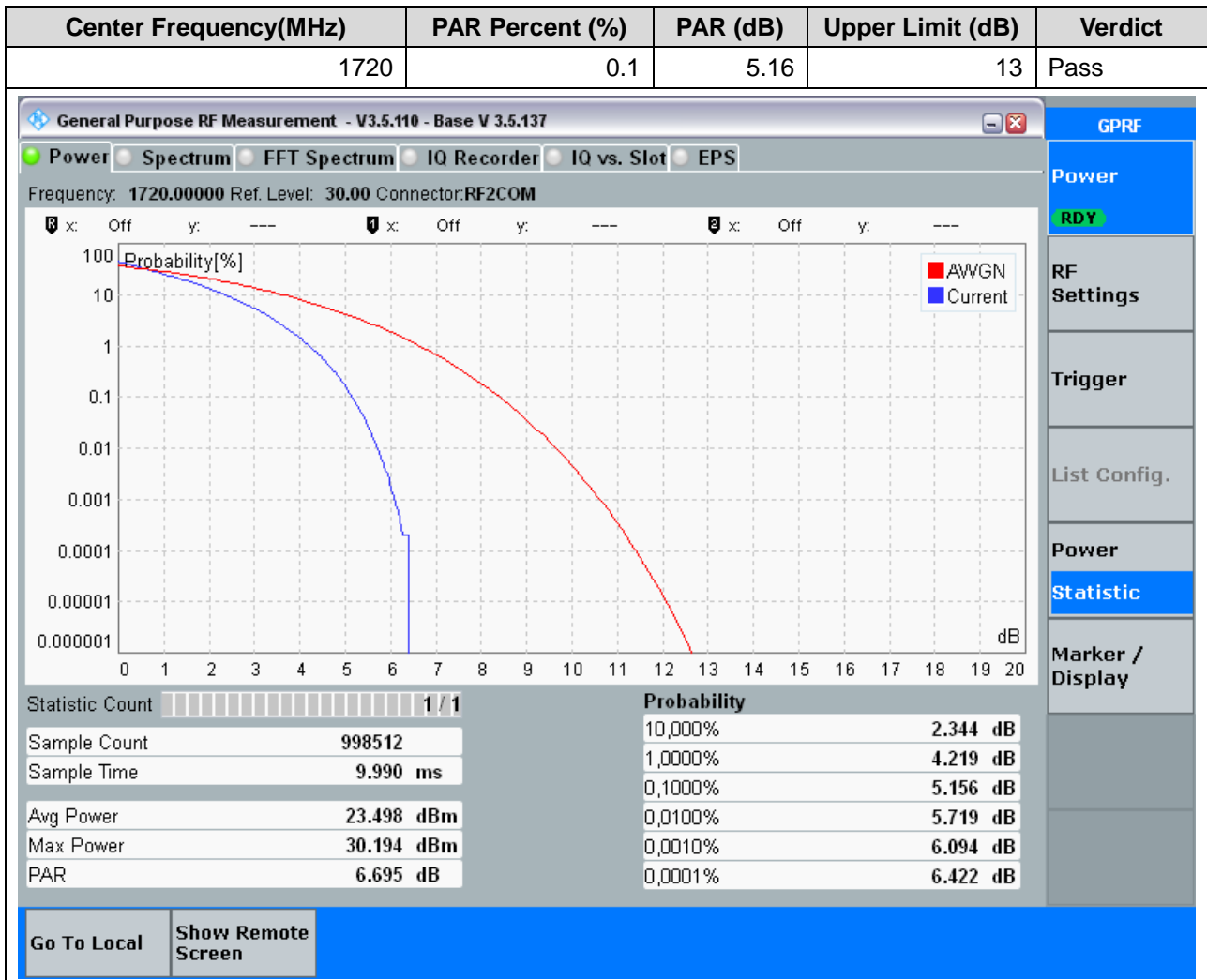


## 5. LTE\_Band4

### 5.1. LTE Peak to Average Ratio(NTNV)(Subtest:1, Channel:20050, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)

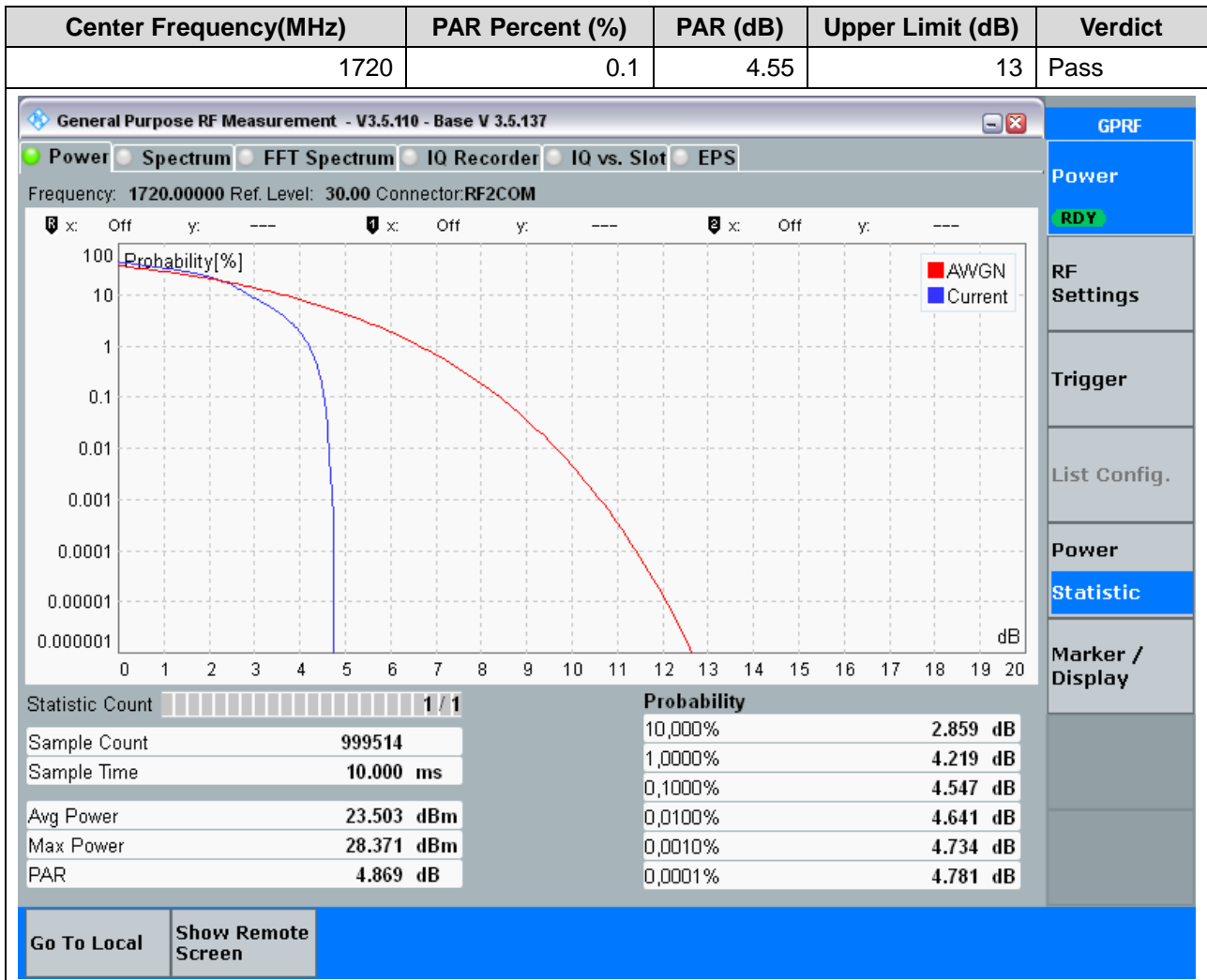


**5.2. LTE Peak to Average Ratio(NTNV)(Subtest:2, Channel:20050, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)**

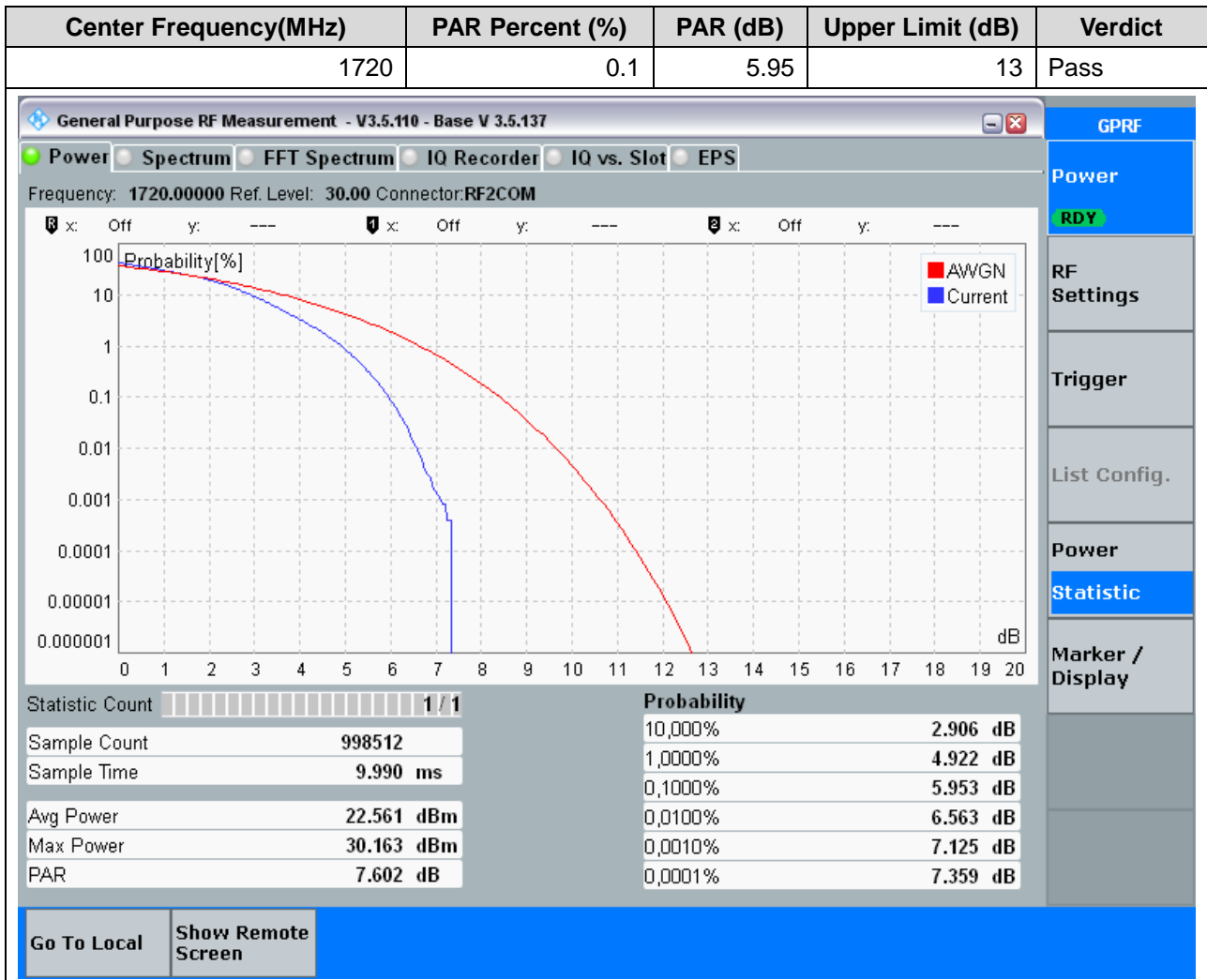




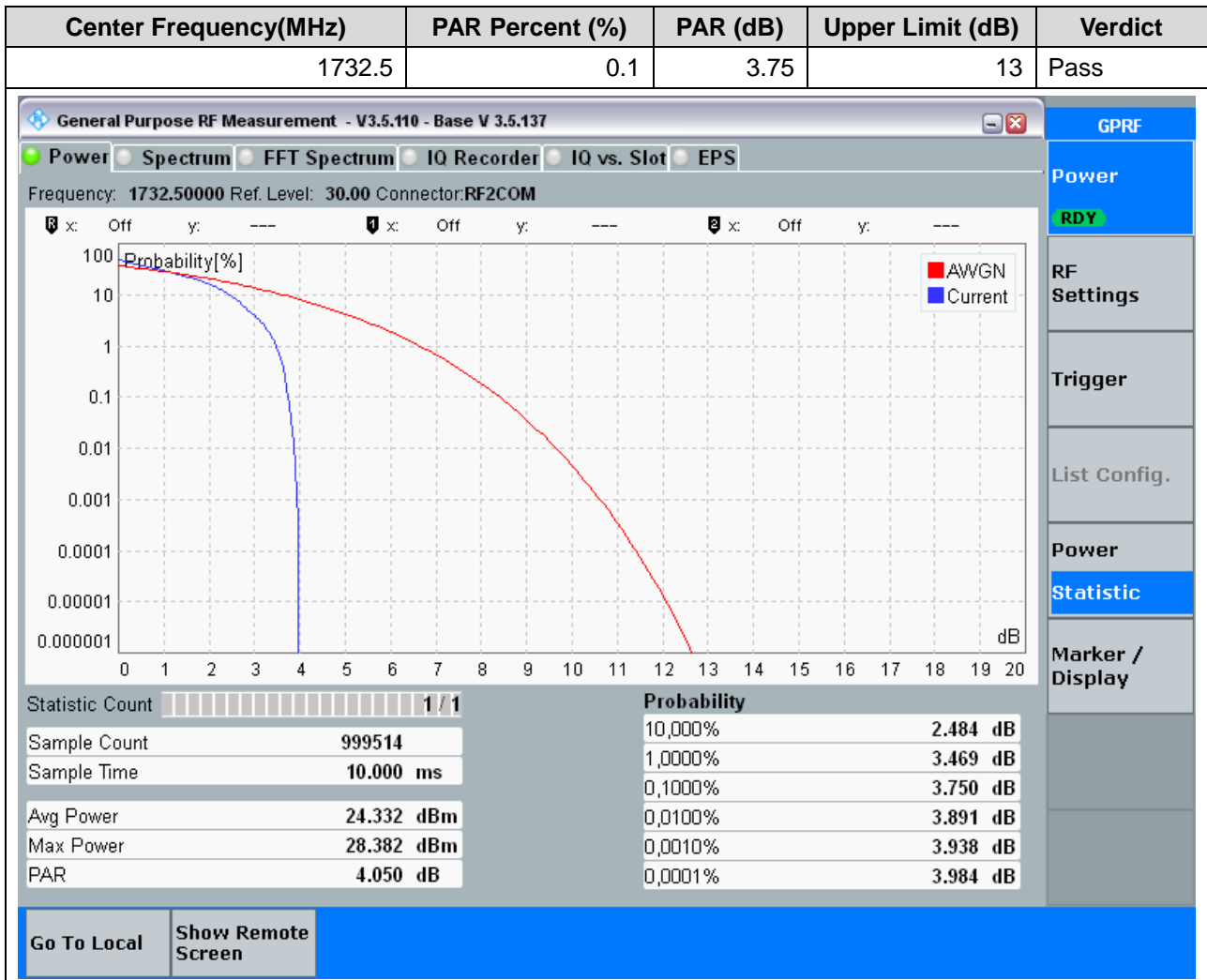
### 5.3. LTE Peak to Average Ratio(NTNV)(Subtest:3, Channel:20050, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)



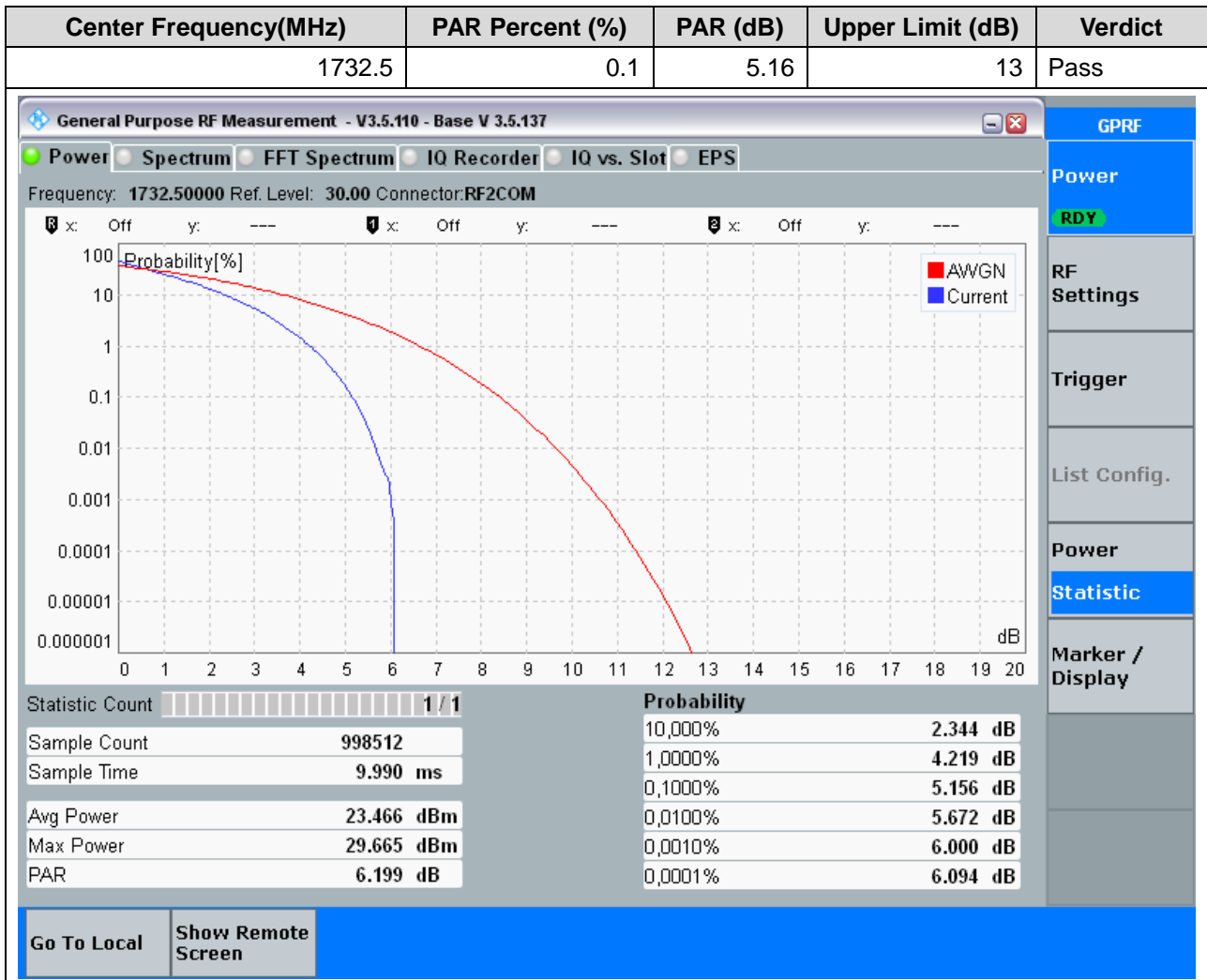
**5.4. LTE Peak to Average Ratio(NTNV)(Subtest:4, Channel:20050, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)**



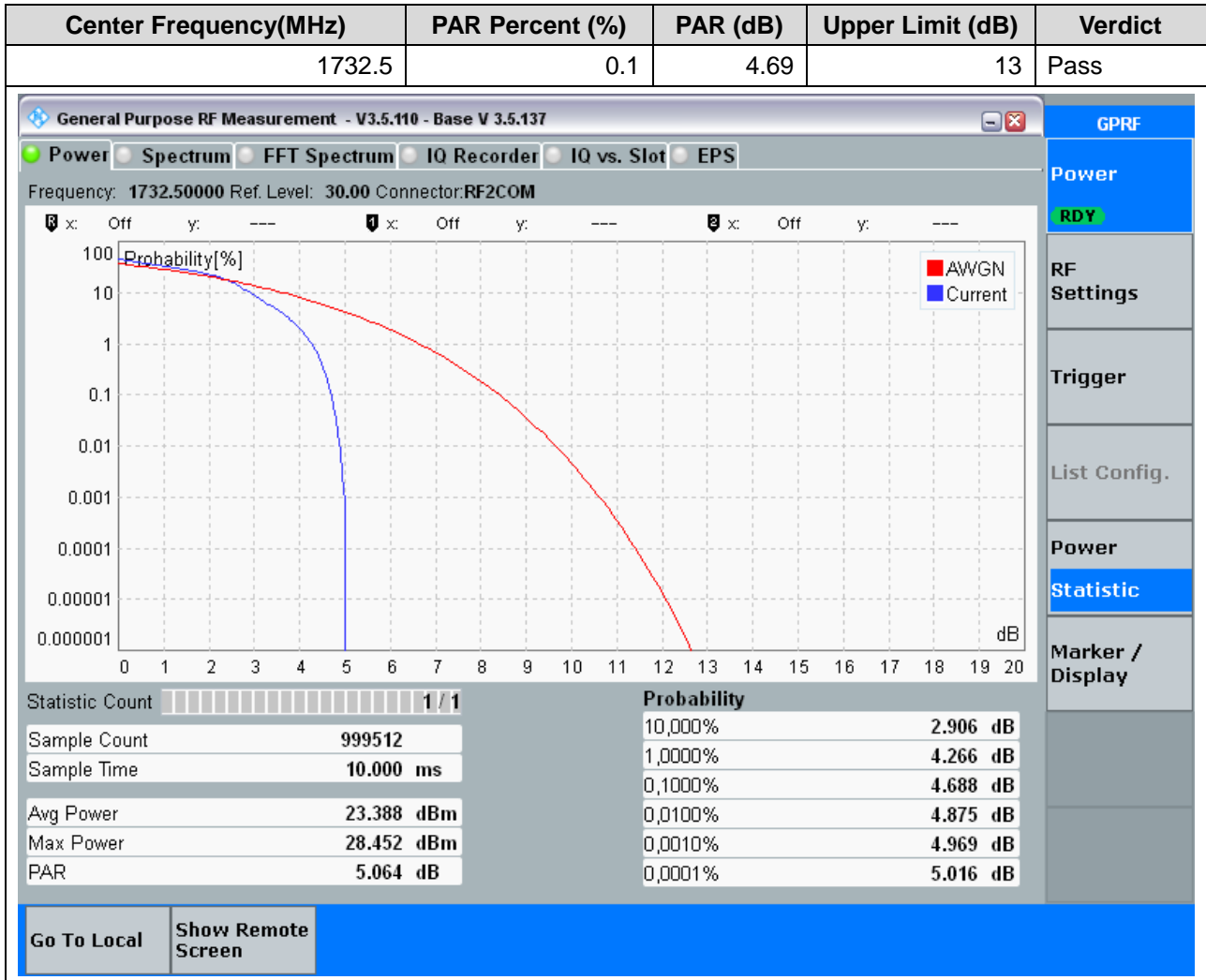
**5.5. LTE Peak to Average Ratio(NTNV)(Subtest:5, Channel:20175, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)**



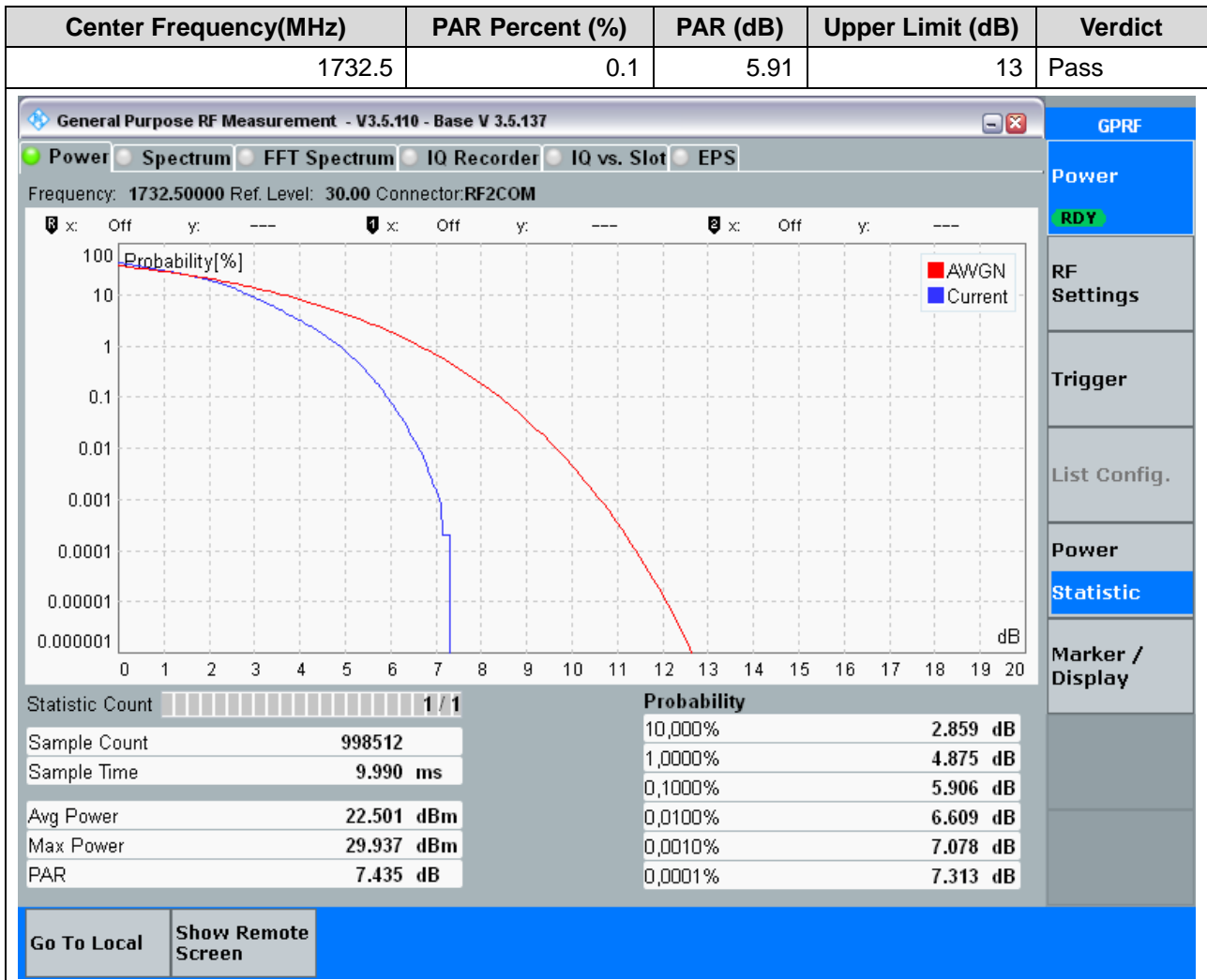
**5.6. LTE Peak to Average Ratio(NTNV)(Subtest:6, Channel:20175, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)**



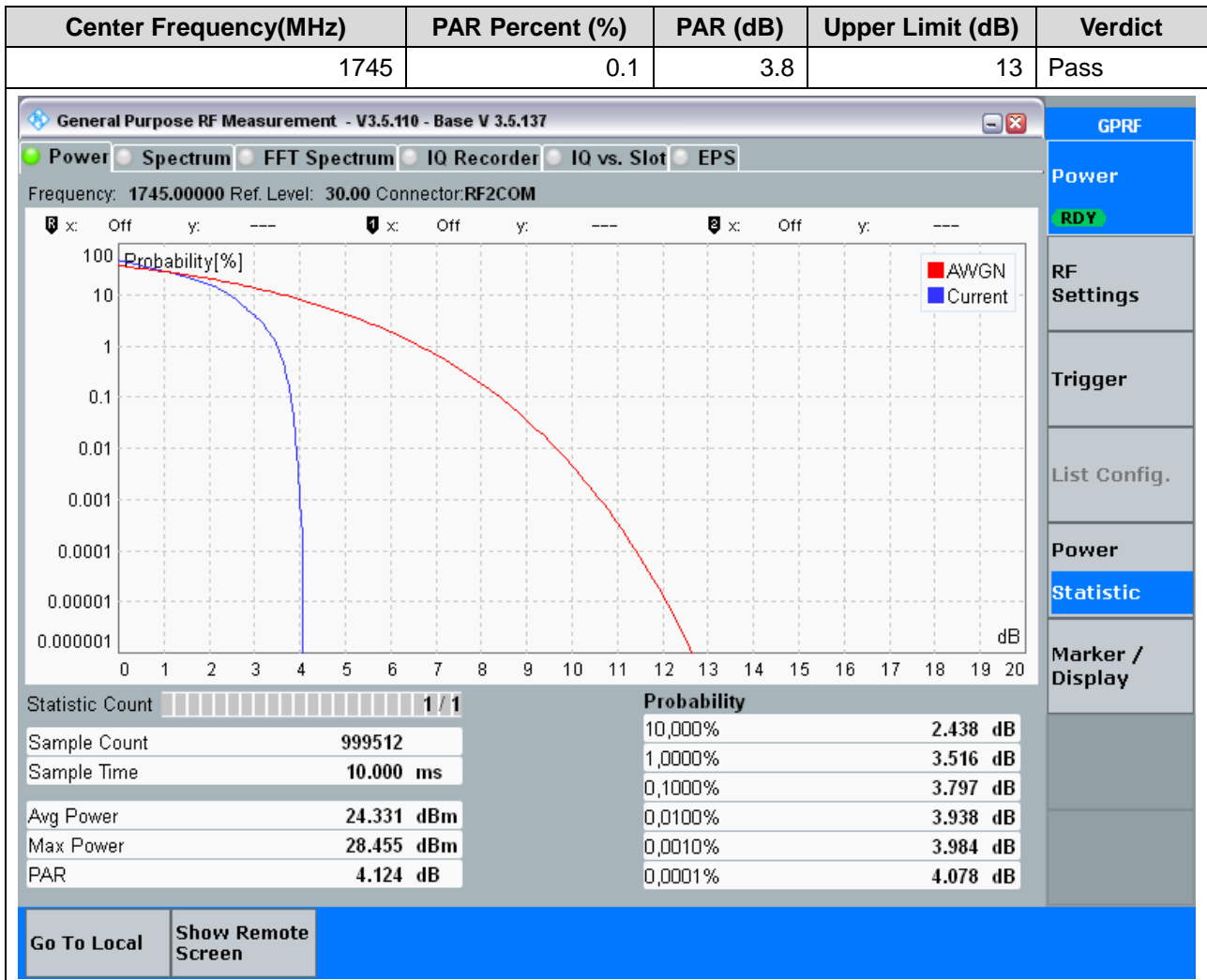
**5.7. LTE Peak to Average Ratio(NTNV)(Subtest:7, Channel:20175, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)**



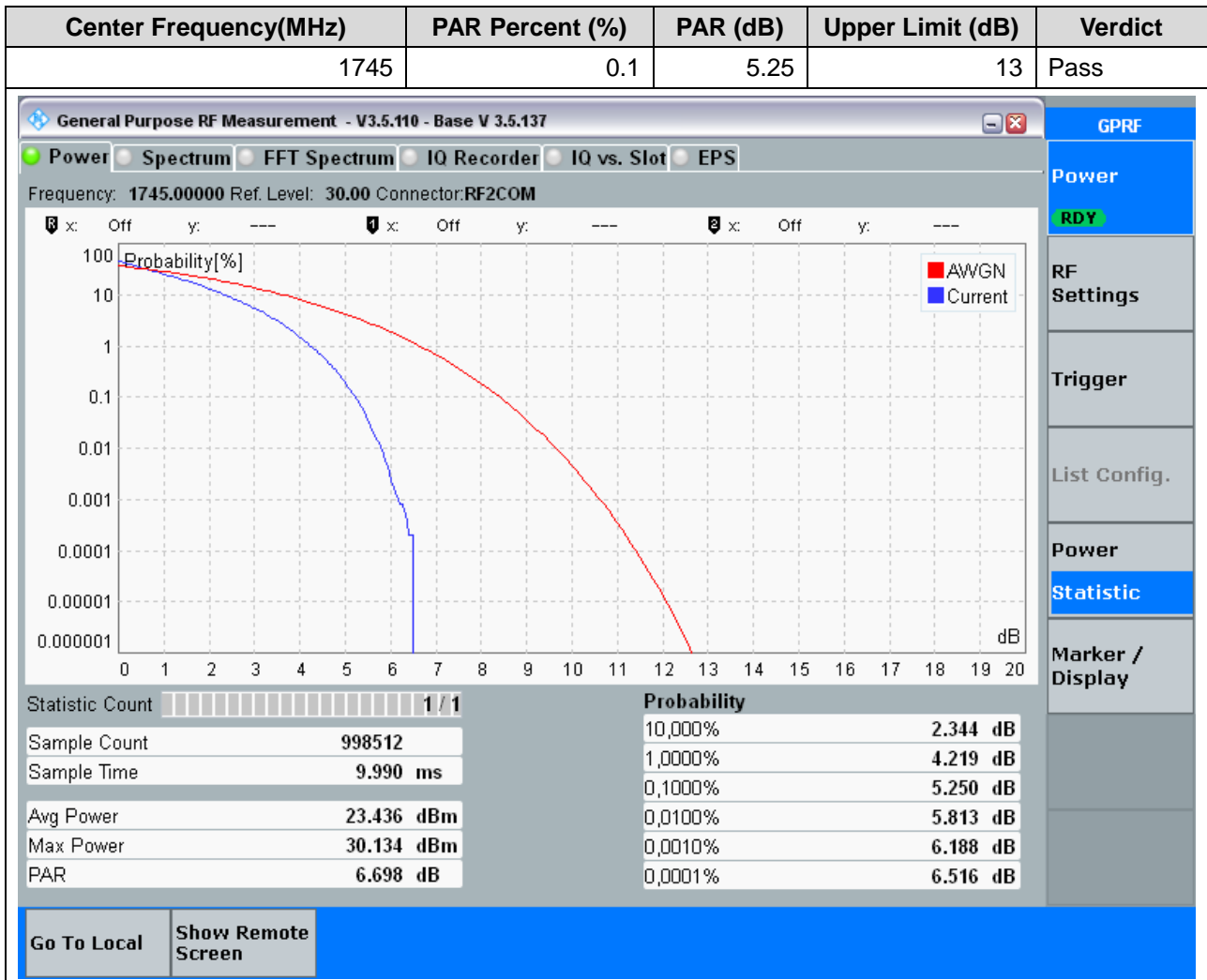
**5.8. LTE Peak to Average Ratio(NTNV)(Subtest:8, Channel:20175, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)**



**5.9. LTE Peak to Average Ratio(NTNV)(Subtest:9, Channel:20300, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)**

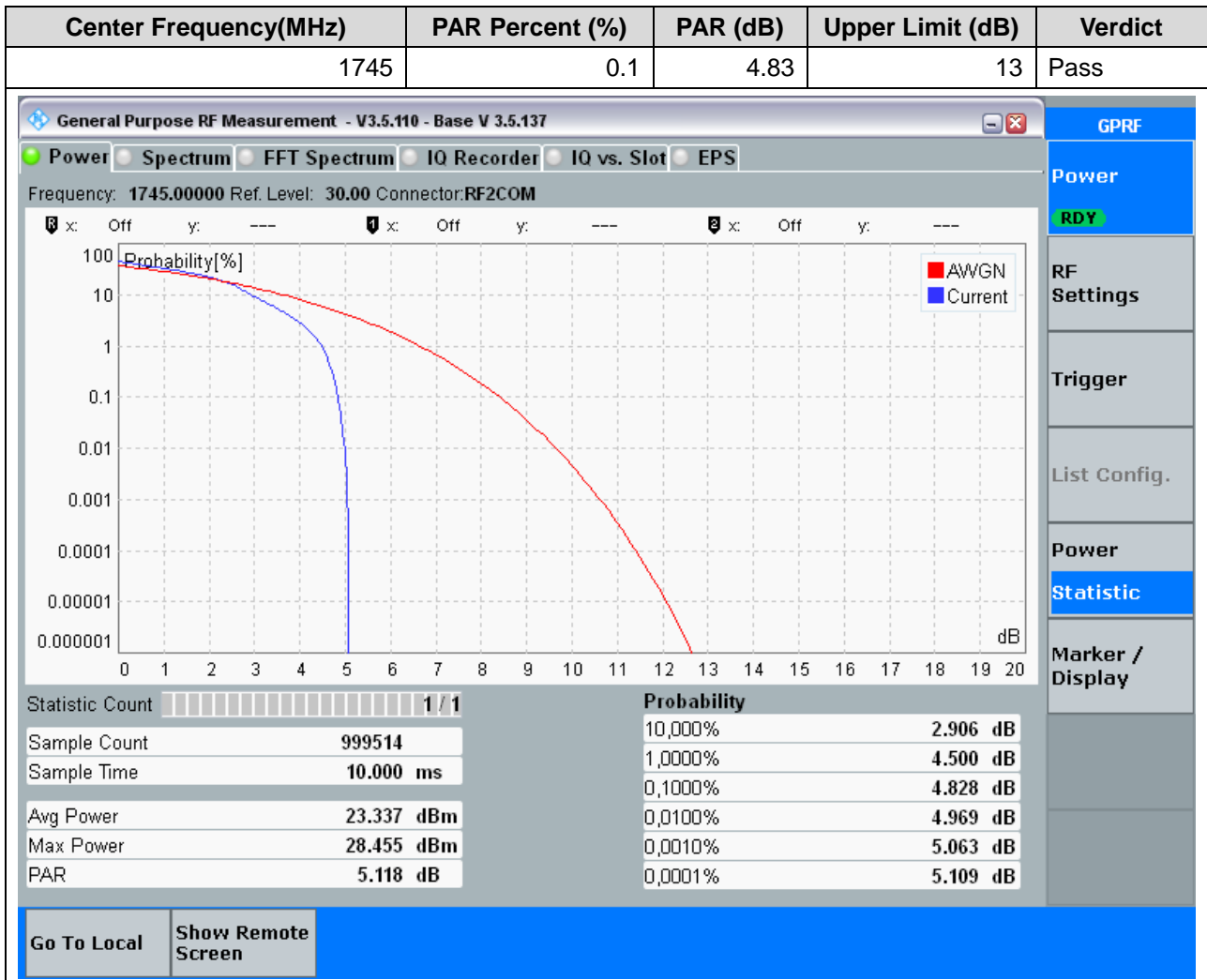


**5.10. LTE Peak to Average Ratio(NTNV)(Subtest:10, Channel:20300, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)**

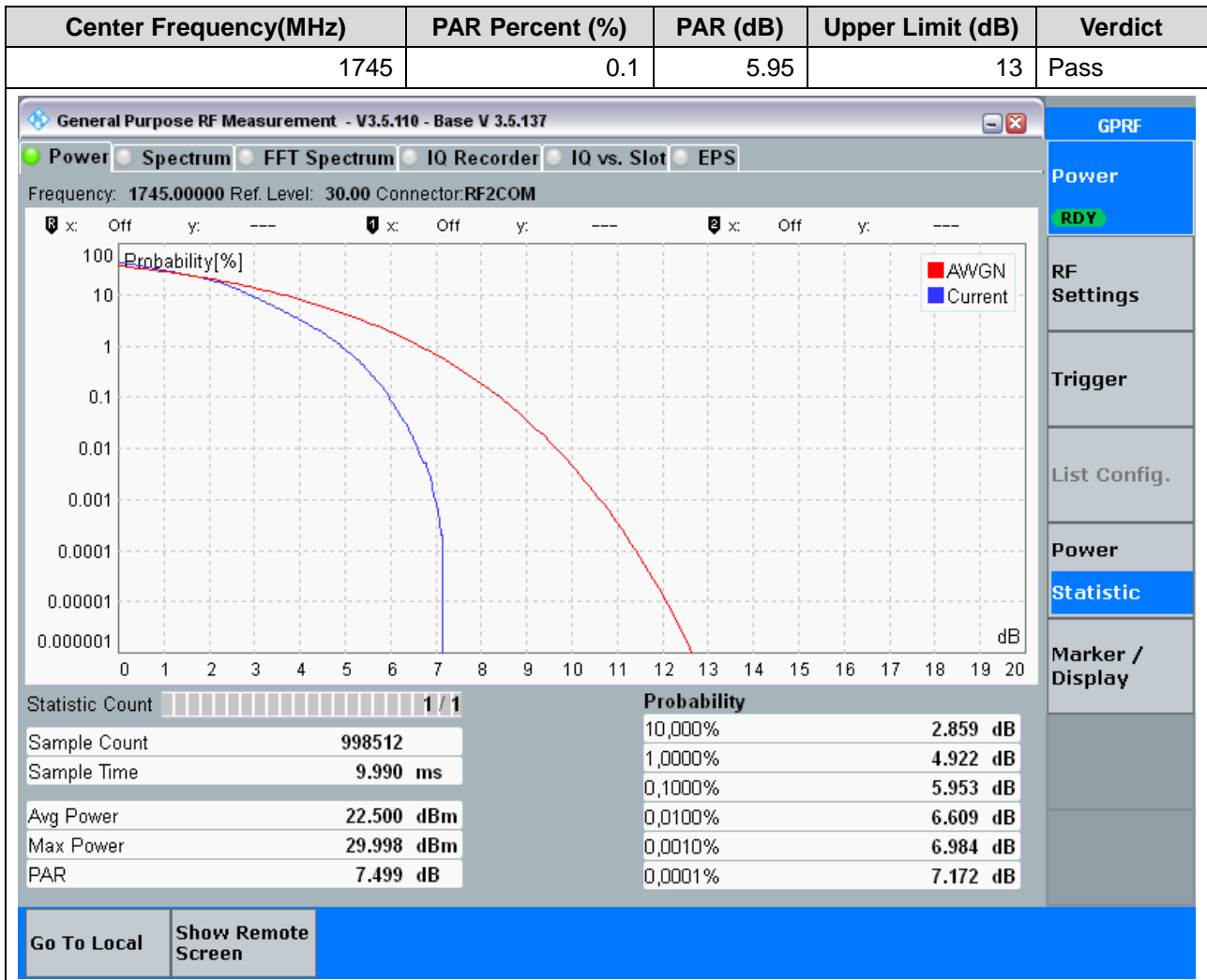




**5.11. LTE Peak to Average Ratio(NTNV)(Subtest:11, Channel:20300, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)**

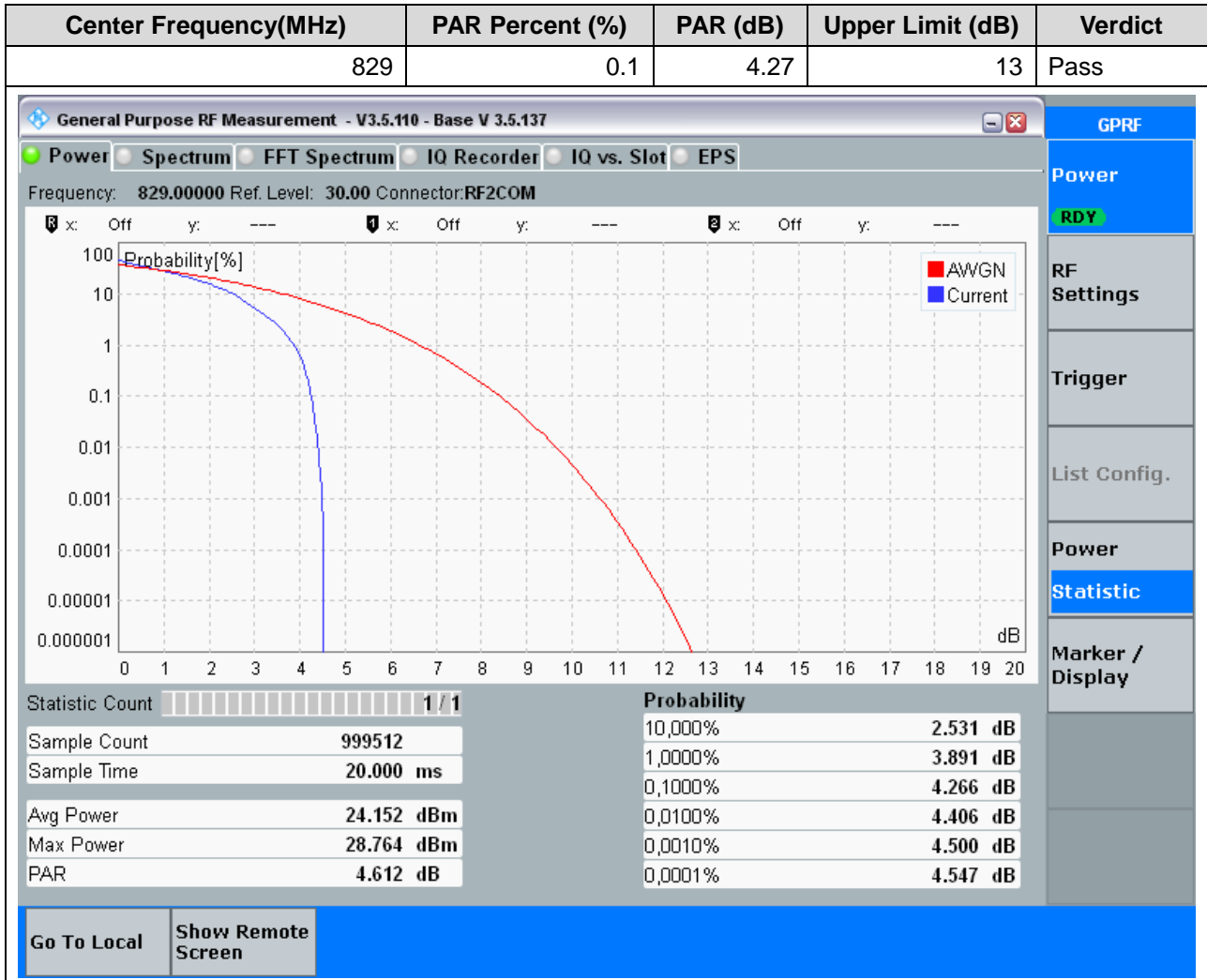


**5.12. LTE Peak to Average Ratio(NTNV)(Subtest:12, Channel:20300, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)**

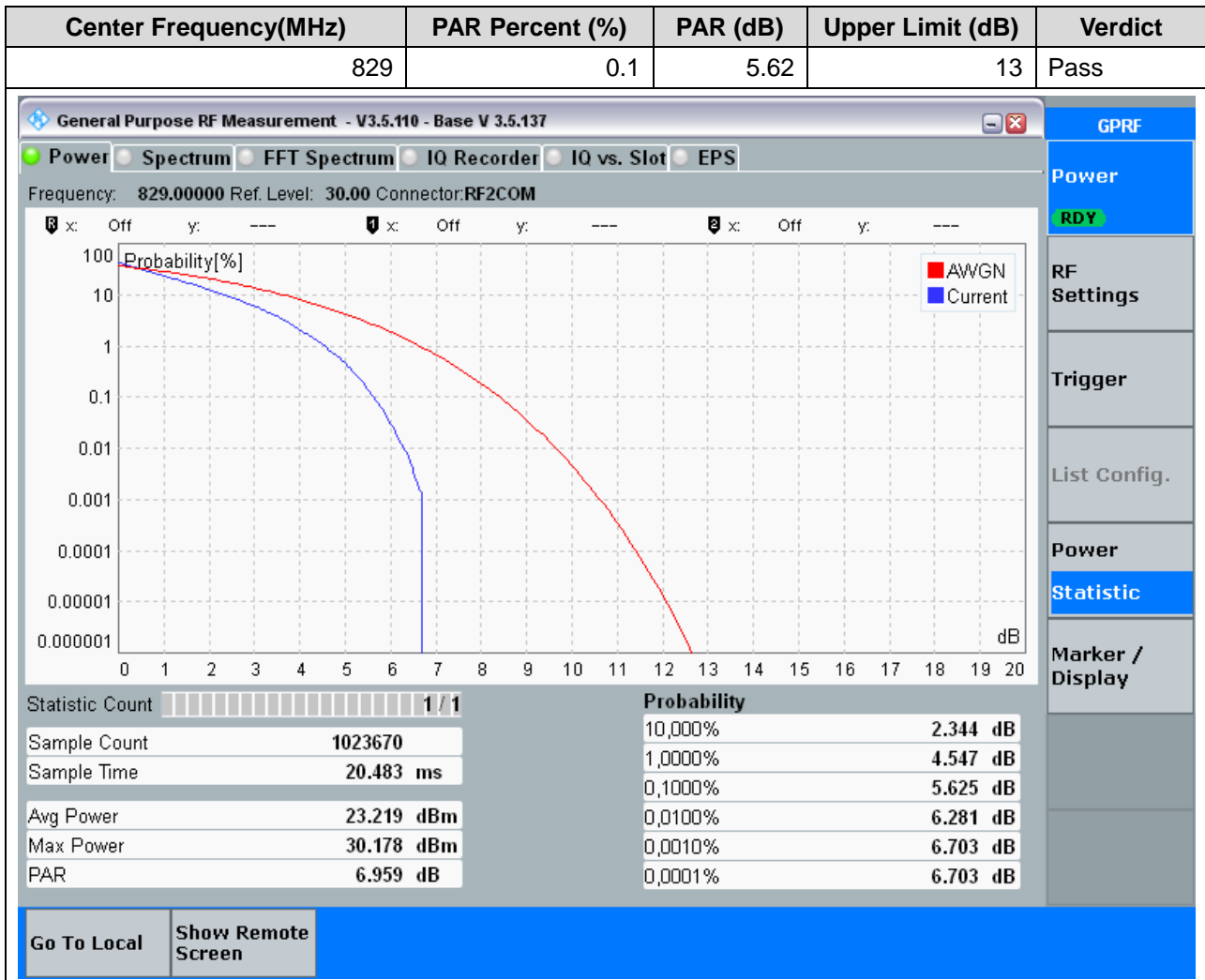


## 6. LTE\_Band5

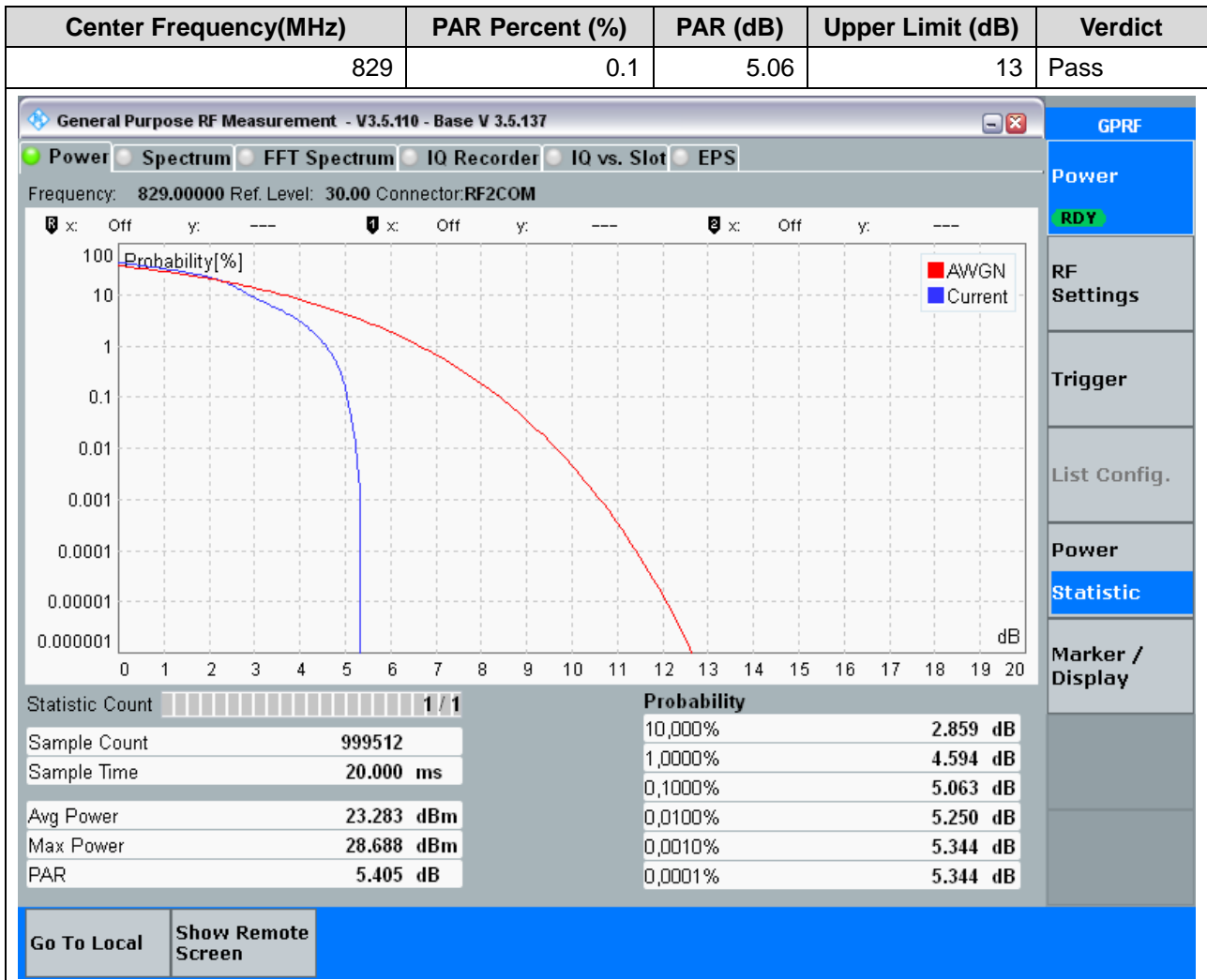
### 6.1. LTE Peak to Average Ratio(NTNV)(Subtest:1, Channel:20450, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)



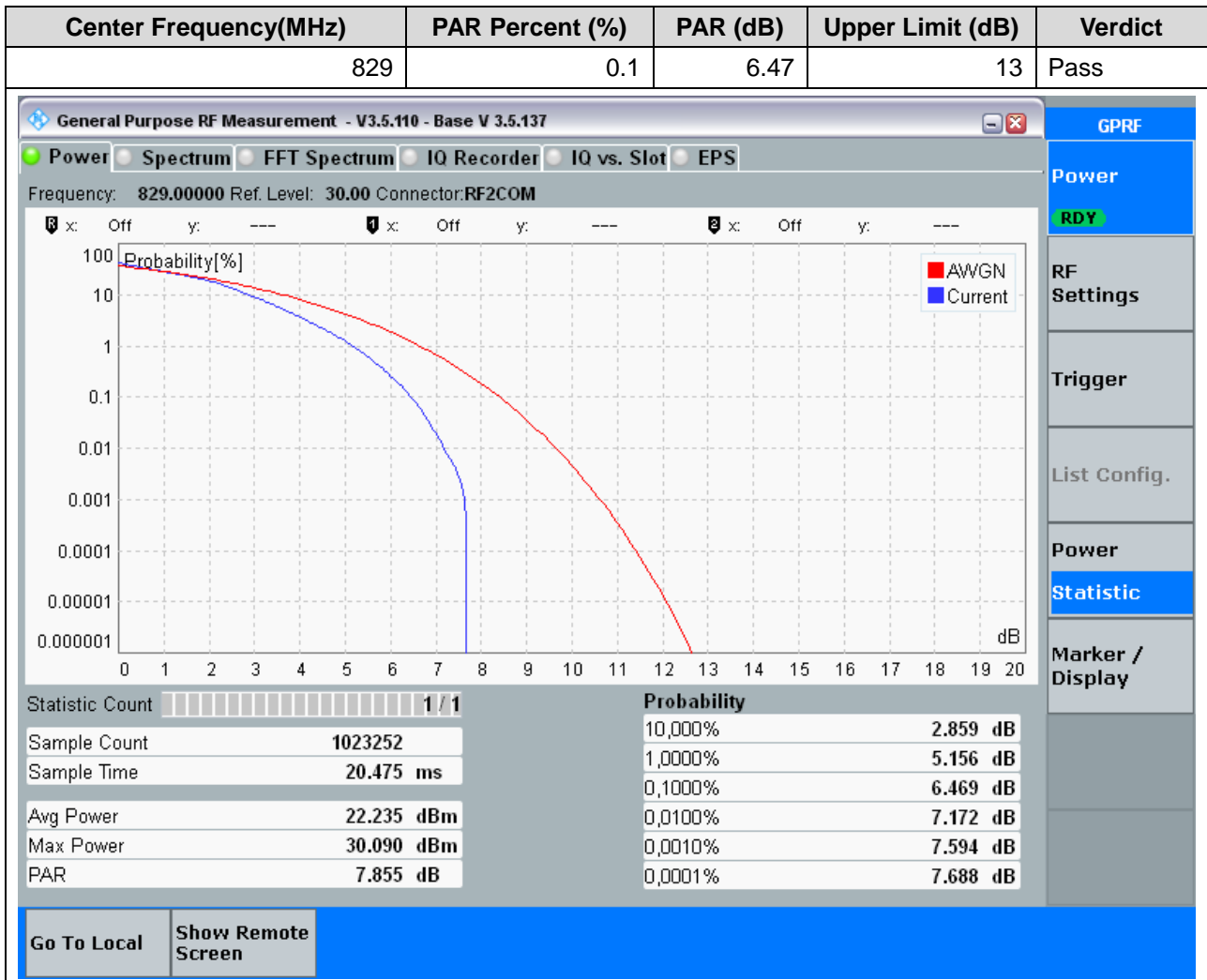
## 6.2. LTE Peak to Average Ratio(NTNV)(Subtest:2, Channel:20450, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)



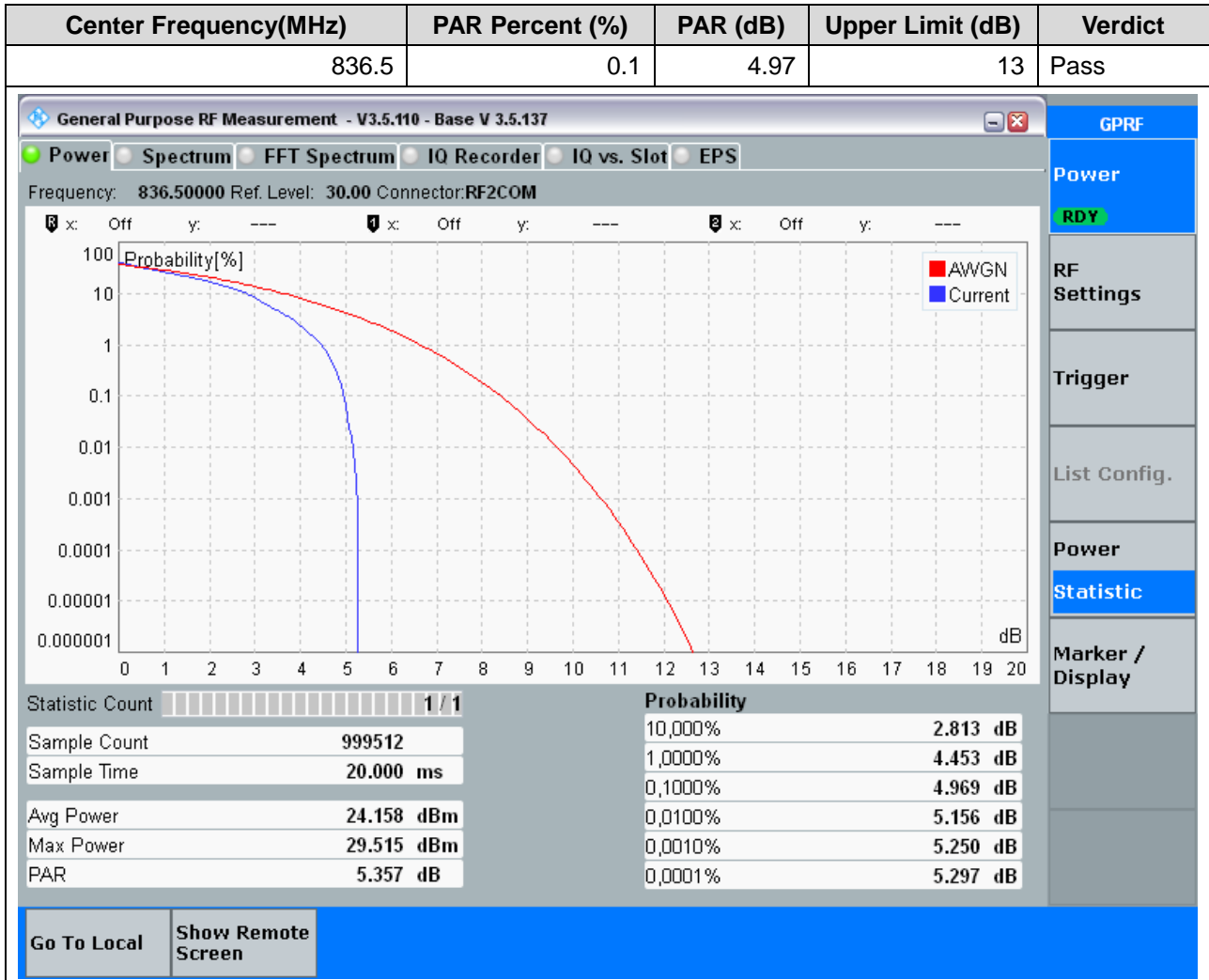
### 6.3. LTE Peak to Average Ratio(NTNV)(Subtest:3, Channel:20450, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:LOW)



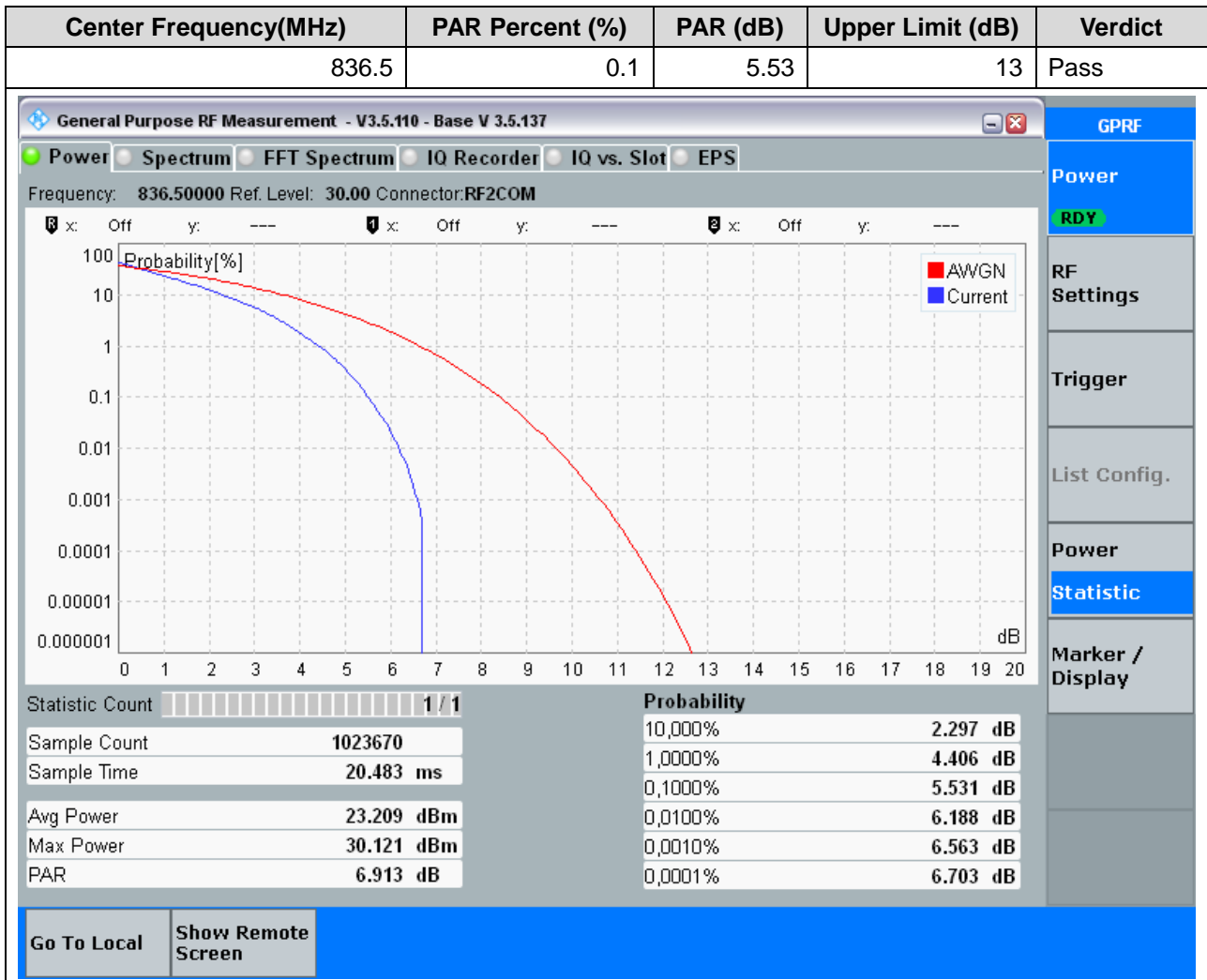
### 6.4. LTE Peak to Average Ratio(NTNV)(Subtest:4, Channel:20450, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)



**6.5. LTE Peak to Average Ratio(NTNV)(Subtest:5, Channel:20525, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)**

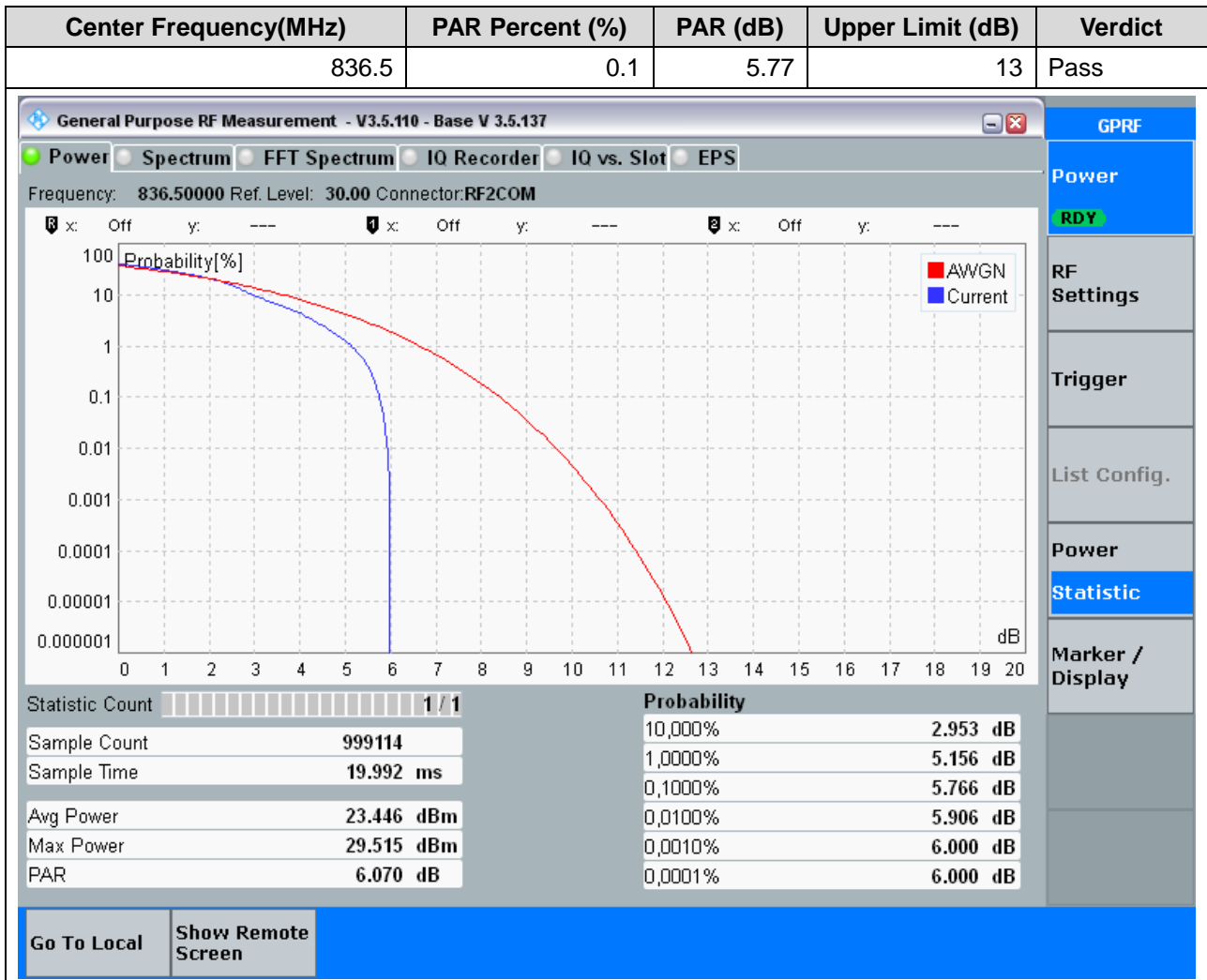


**6.6. LTE Peak to Average Ratio(NTNV)(Subtest:6, Channel:20525, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)**

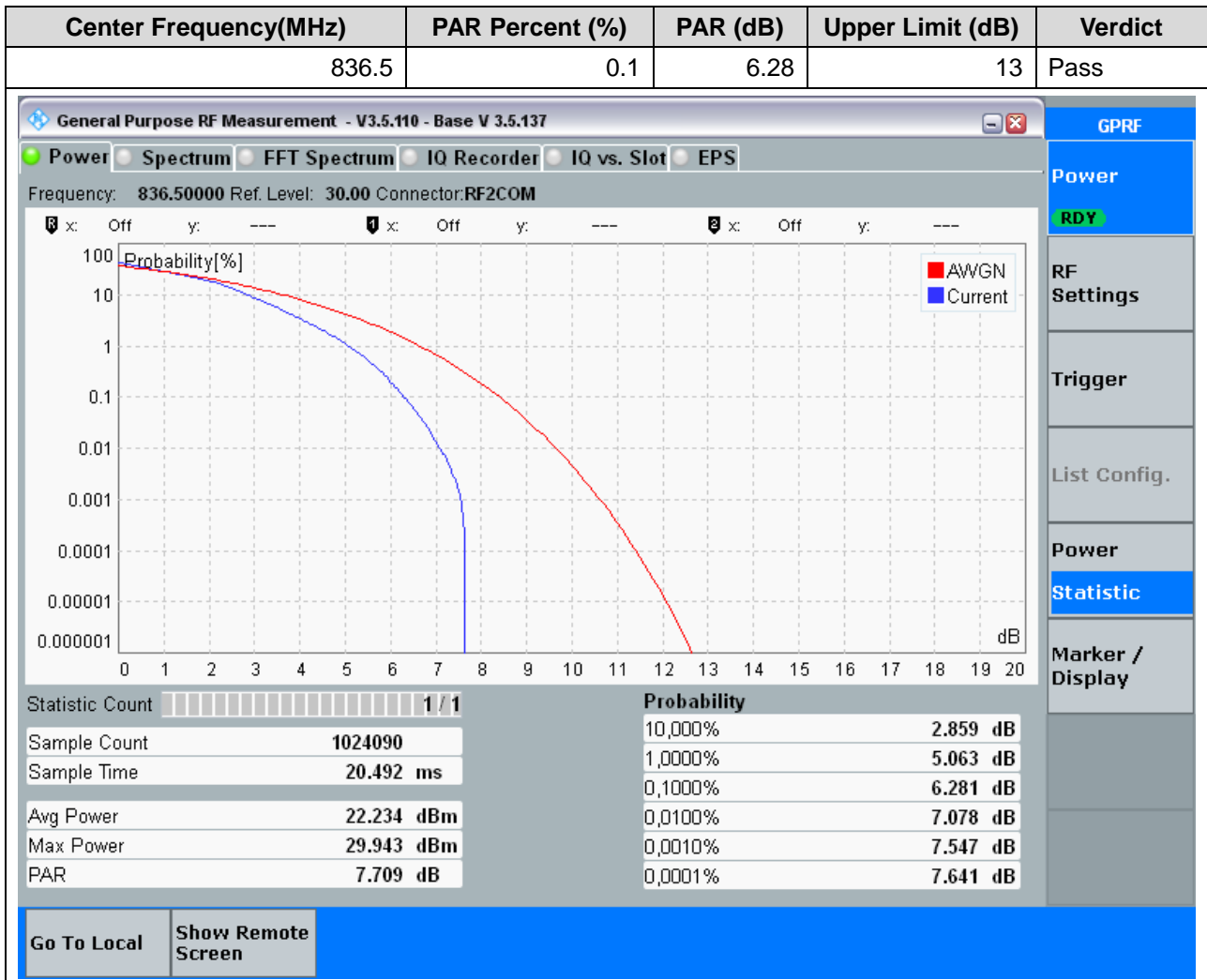




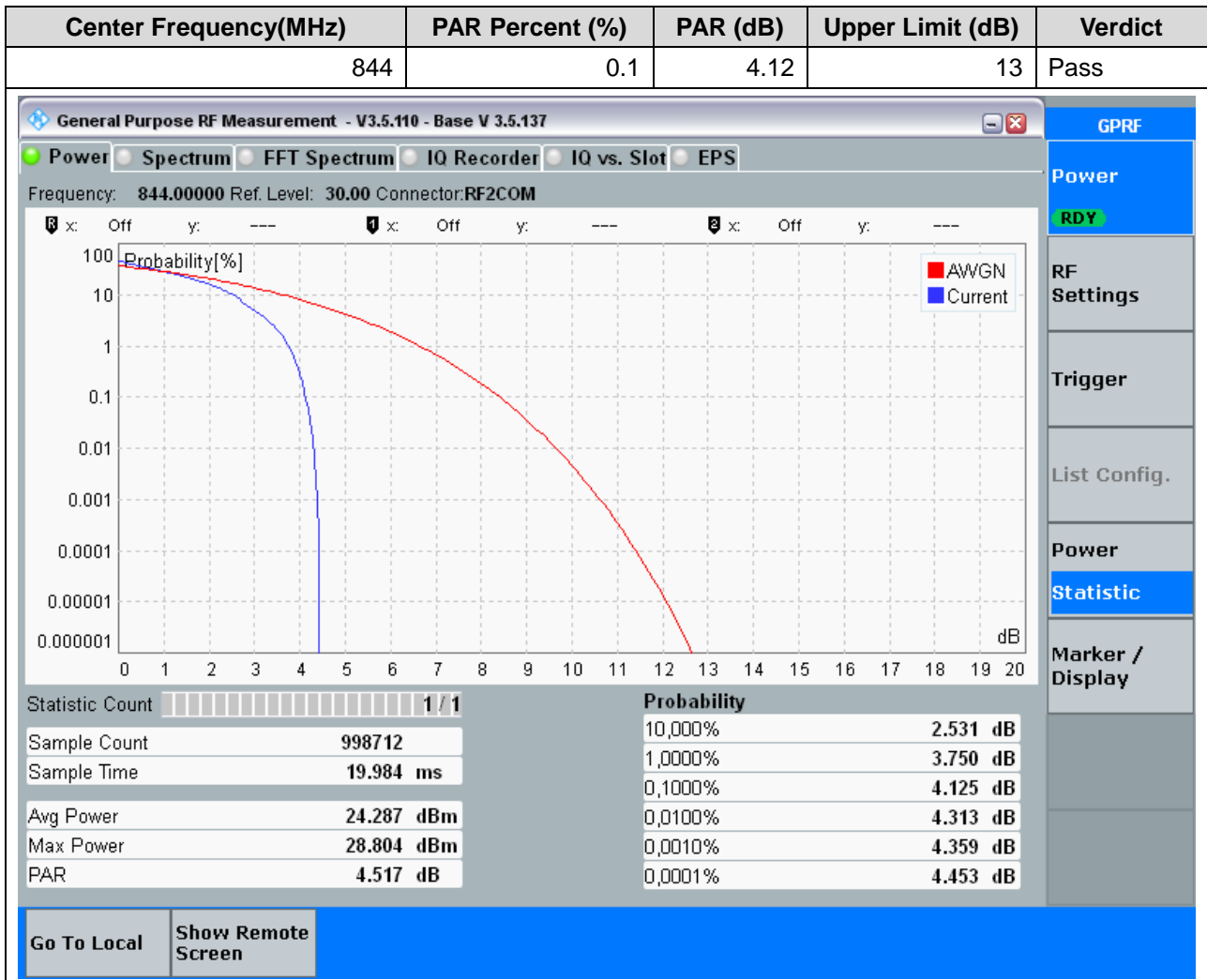
**6.7. LTE Peak to Average Ratio(NTNV)(Subtest:7, Channel:20525, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:LOW)**



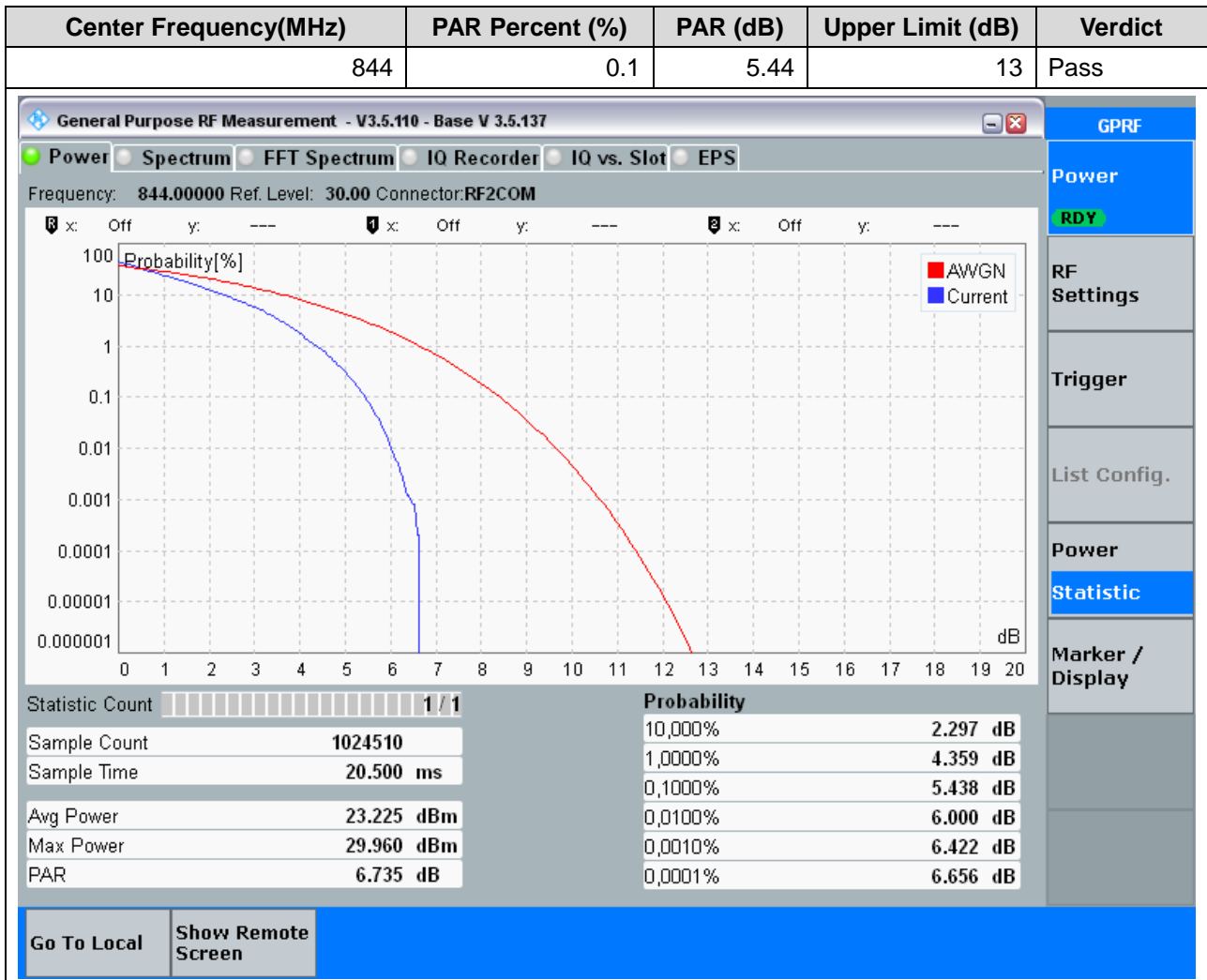
**6.8. LTE Peak to Average Ratio(NTNV)(Subtest:8, Channel:20525, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)**



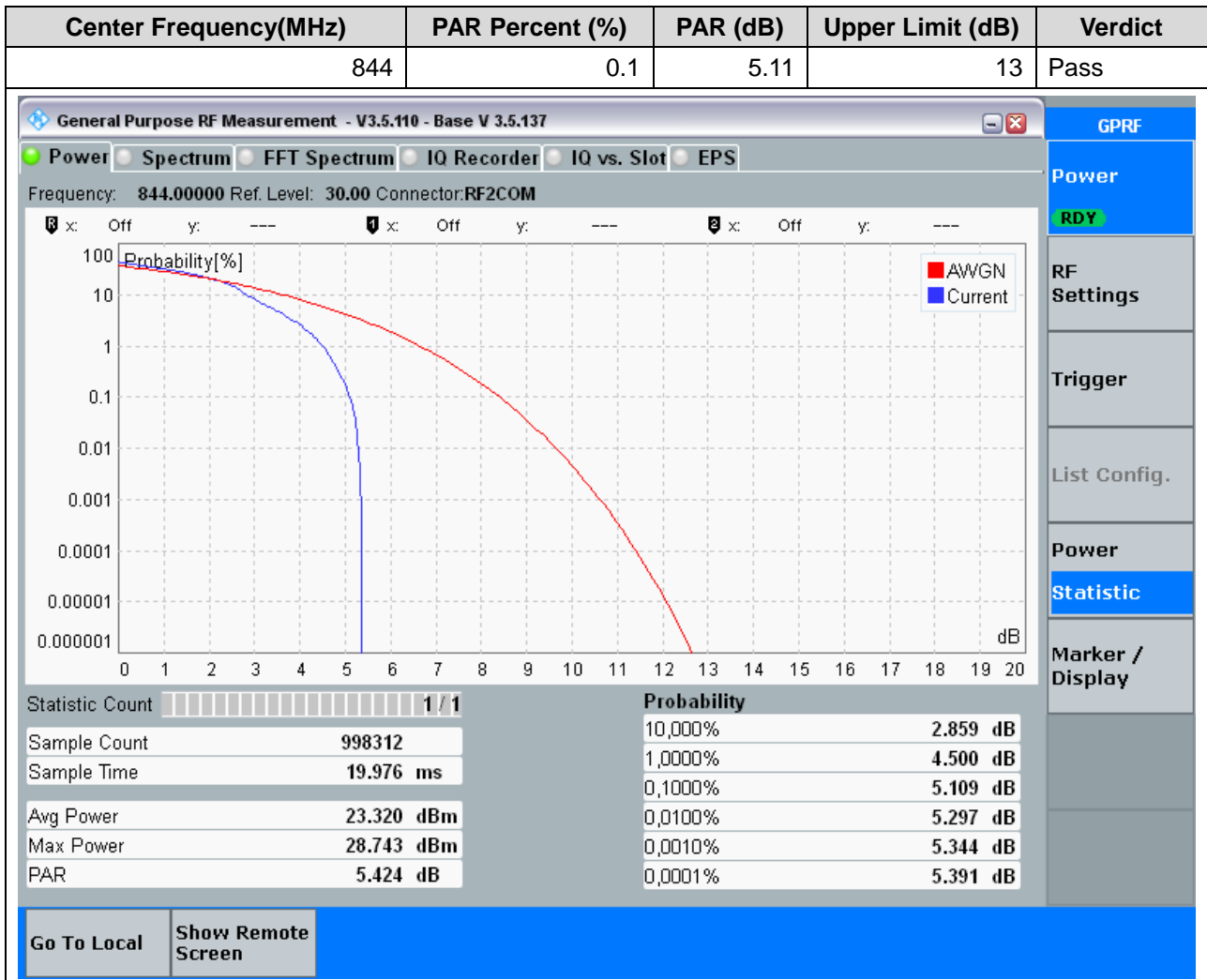
**6.9. LTE Peak to Average Ratio(NTNV)(Subtest:9, Channel:20600, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)**



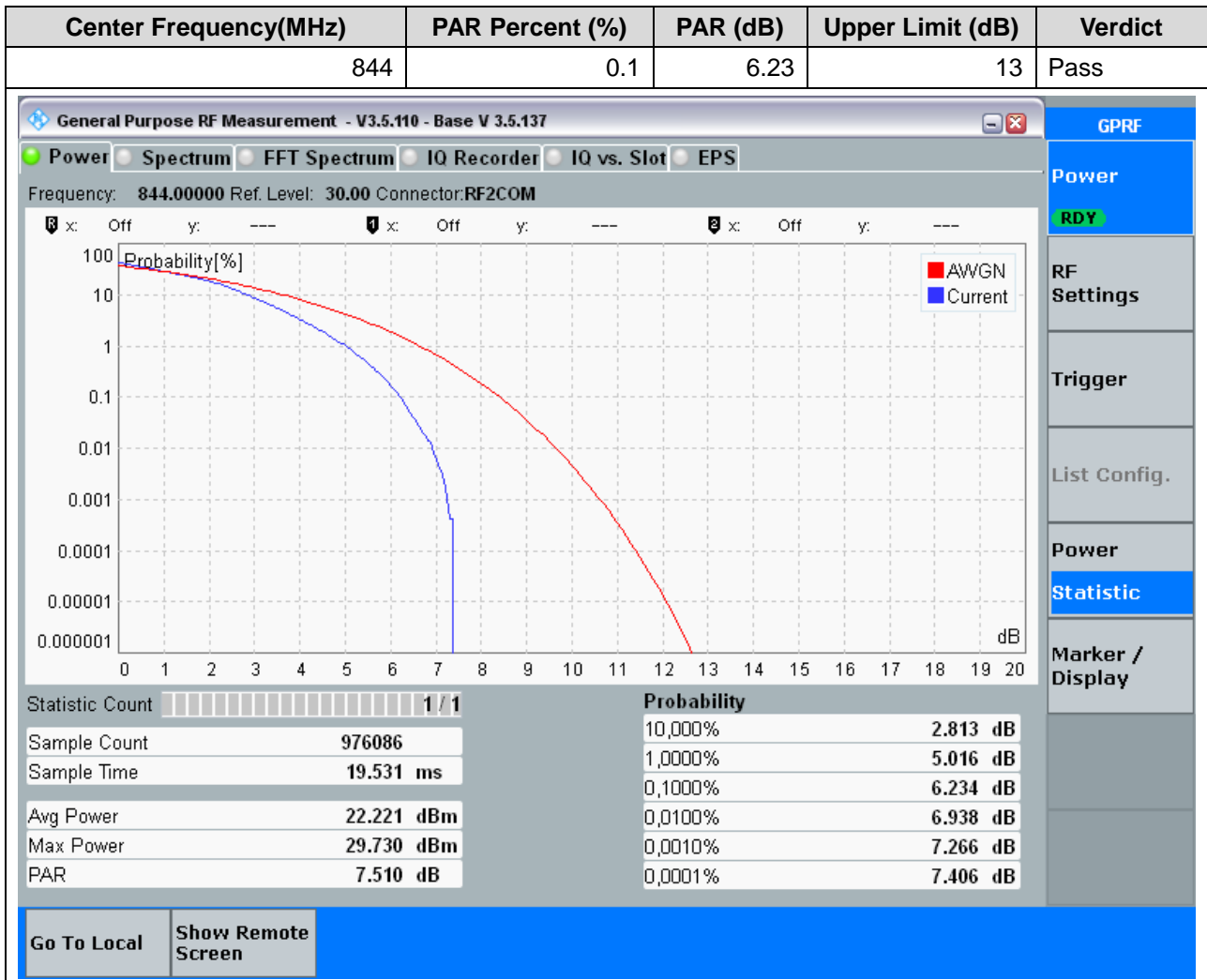
**6.10. LTE Peak to Average Ratio(NTNV)(Subtest:10, Channel:20600, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)**



**6.11. LTE Peak to Average Ratio(NTNV)(Subtest:11, Channel:20600, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:LOW)**

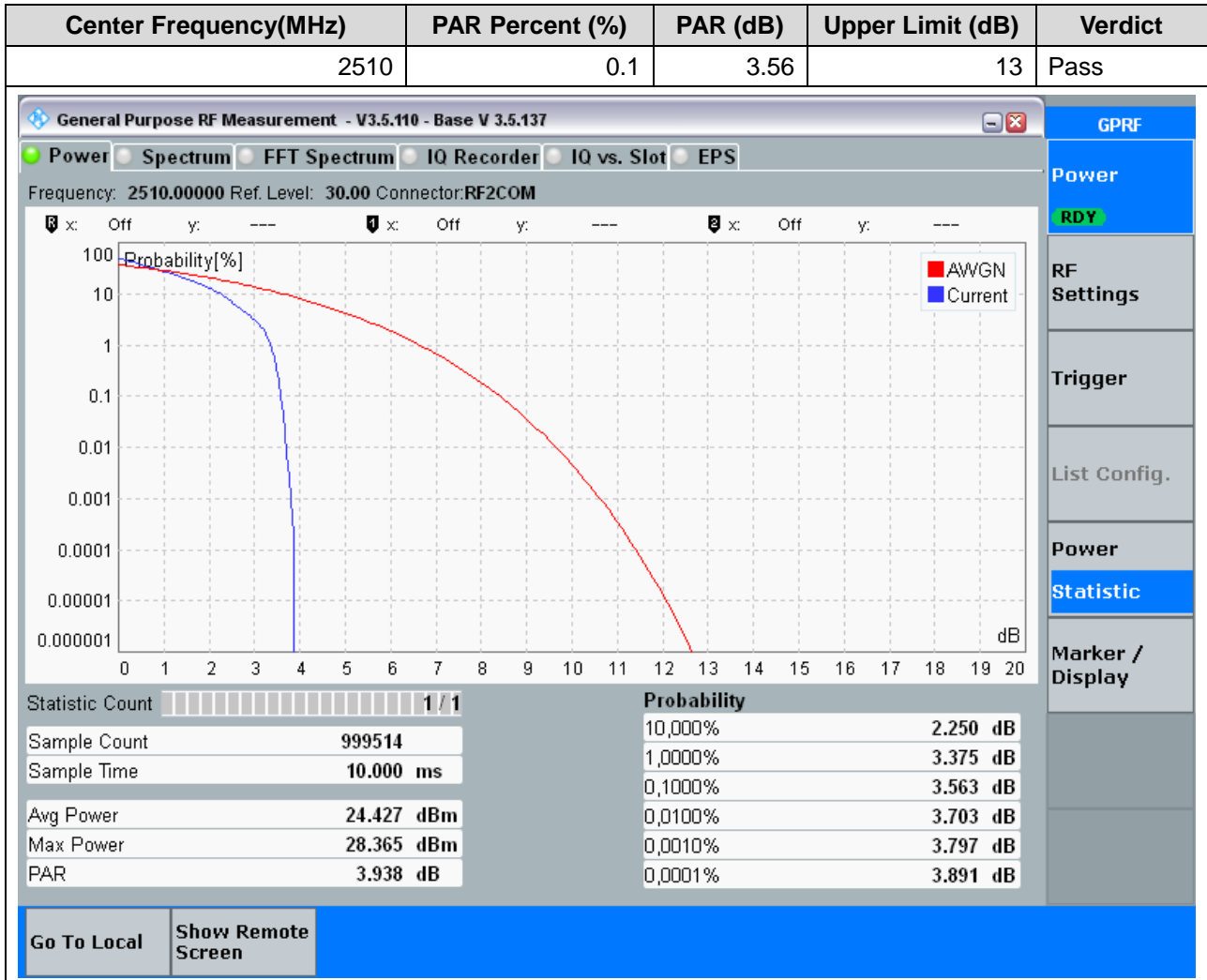


**6.12. LTE Peak to Average Ratio(NTNV)(Subtest:12, Channel:20600, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)**

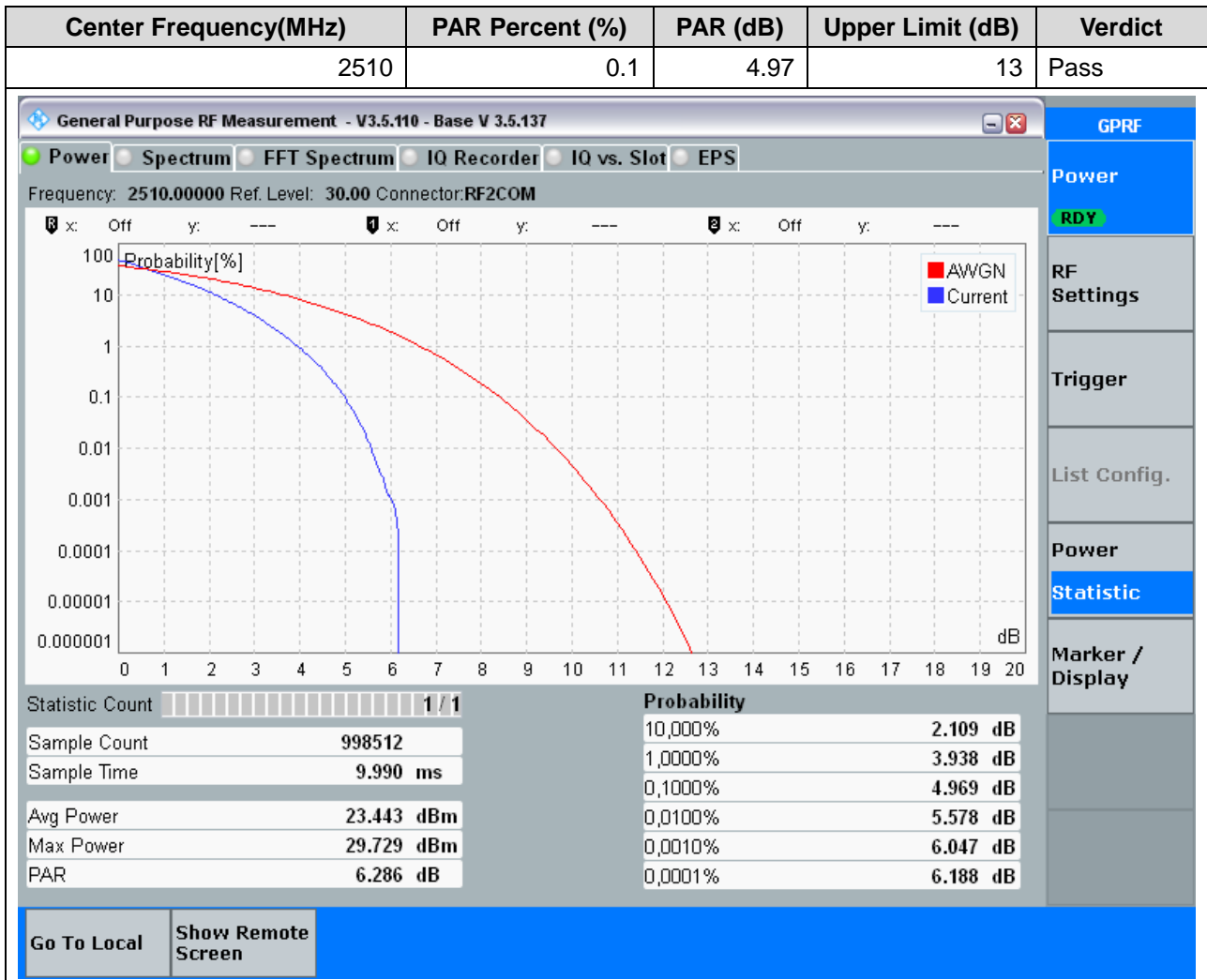


## 7. LTE\_Band7

### 7.1. LTE Peak to Average Ratio(NTNV)(Subtest:1, Channel:20850, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)

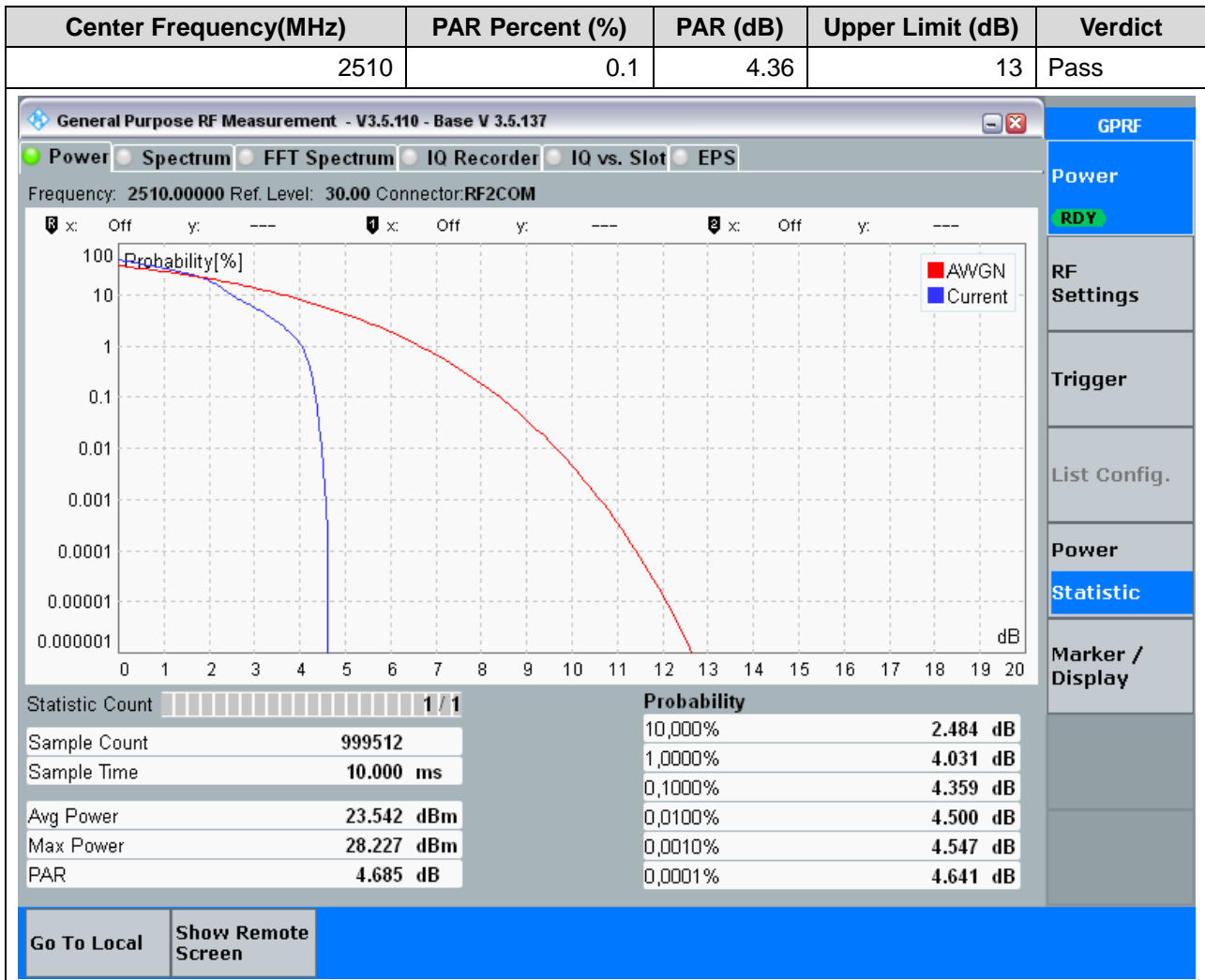


**7.2. LTE Peak to Average Ratio(NTNV)(Subtest:2, Channel:20850, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)**

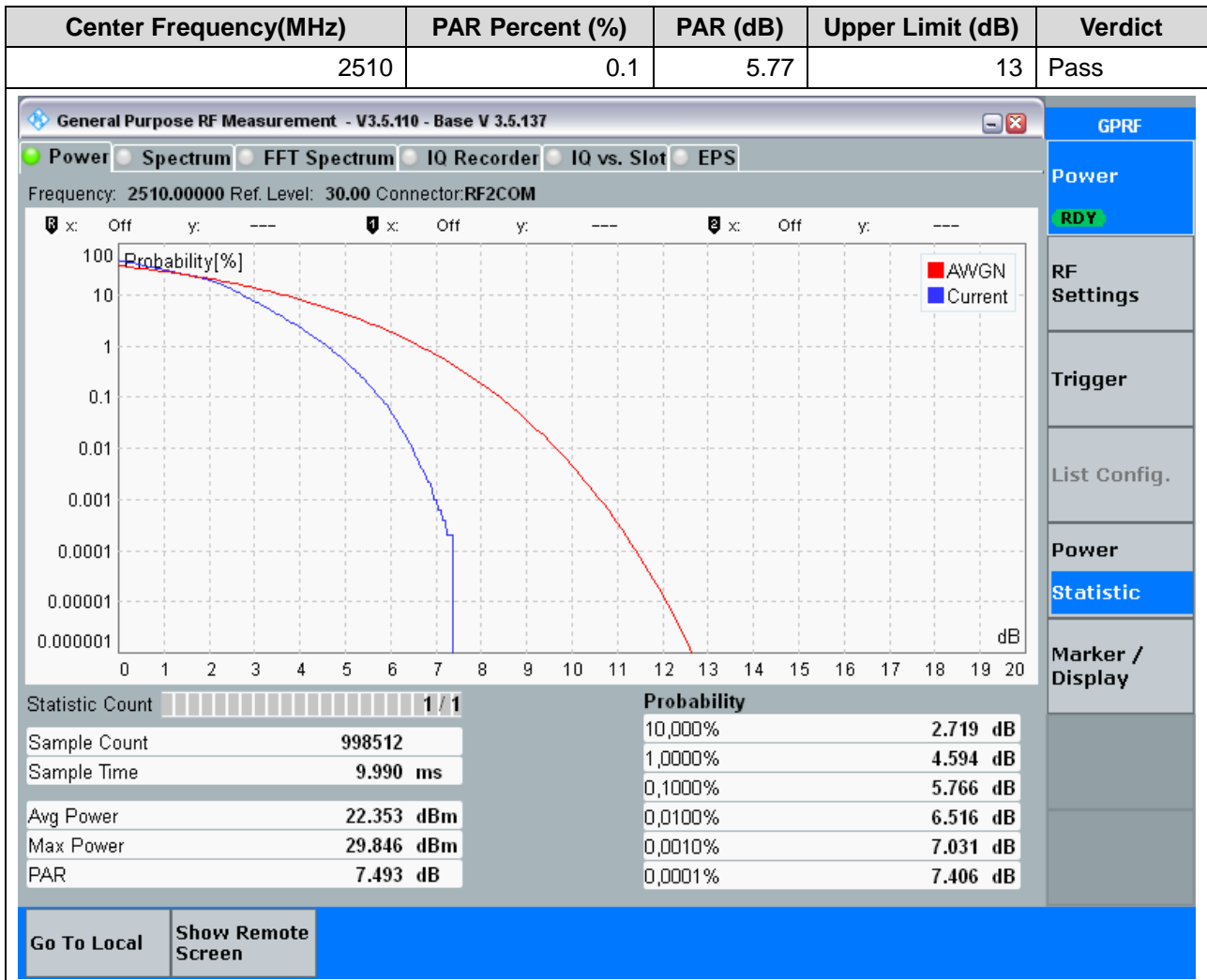




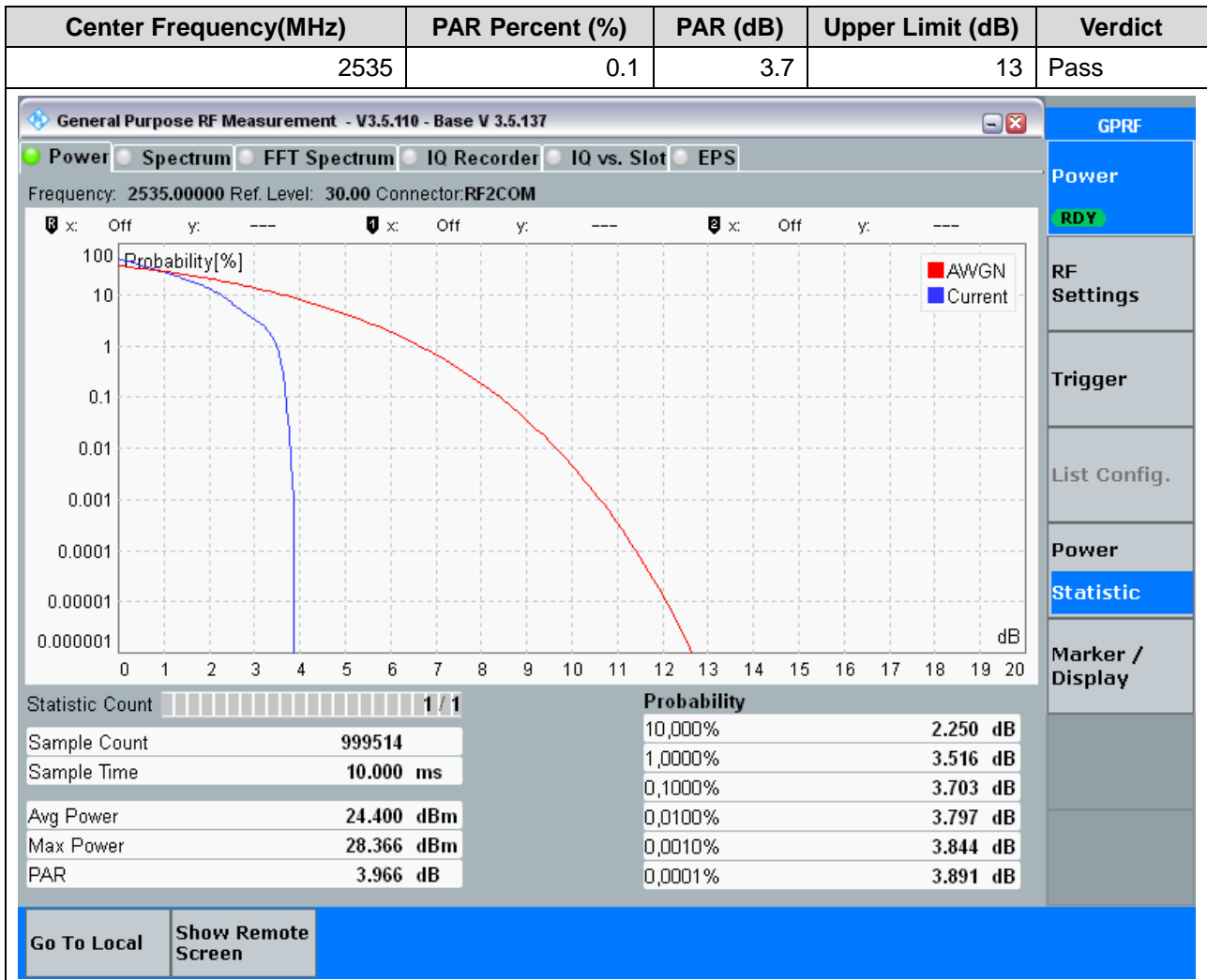
### 7.3. LTE Peak to Average Ratio(NTNV)(Subtest:3, Channel:20850, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)



**7.4. LTE Peak to Average Ratio(NTNV)(Subtest:4, Channel:20850, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)**



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



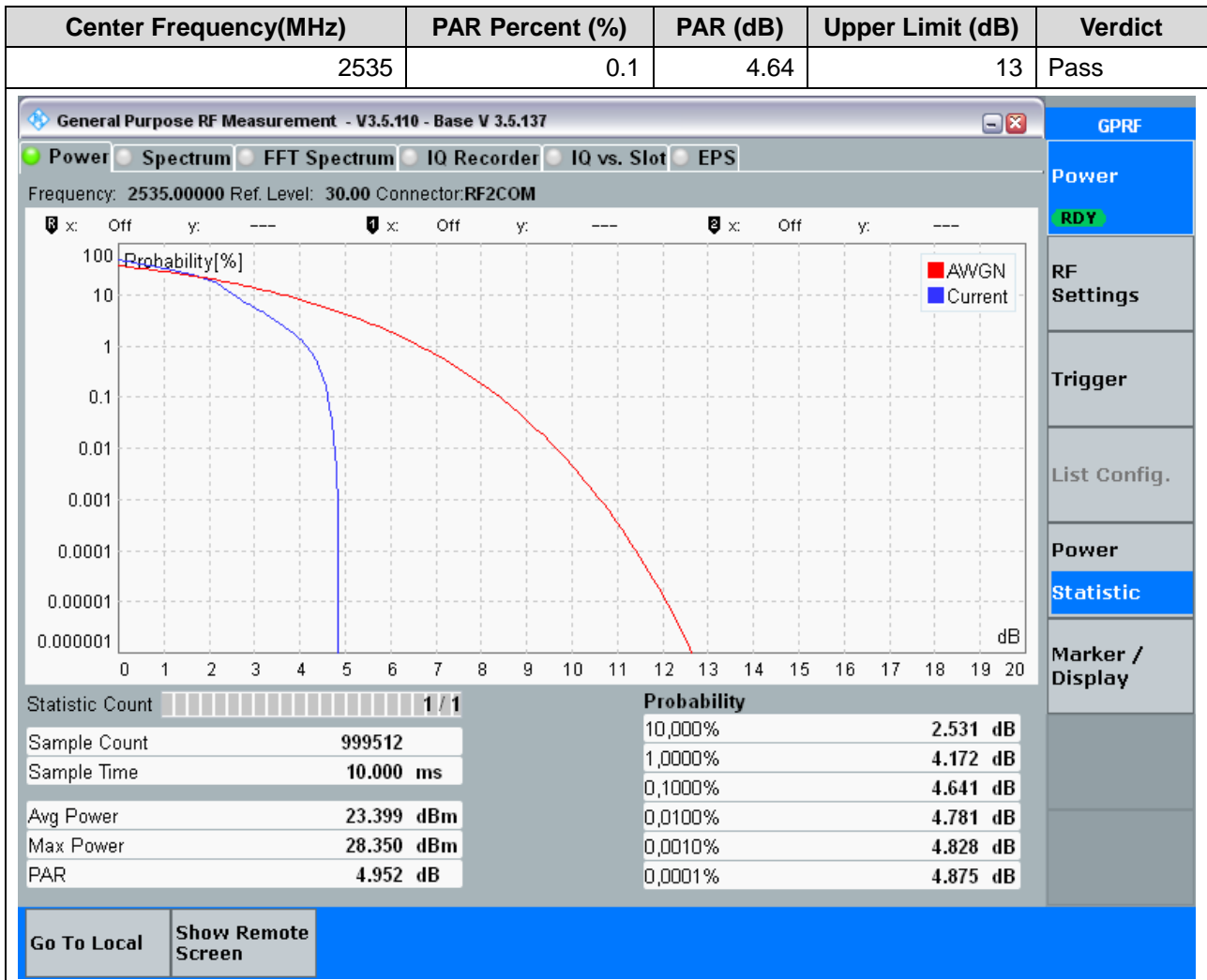
**7.6. LTE Peak to Average Ratio(NTNV)(Subtest:6, Channel:21100, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2535	0.1	5.16	13	Pass

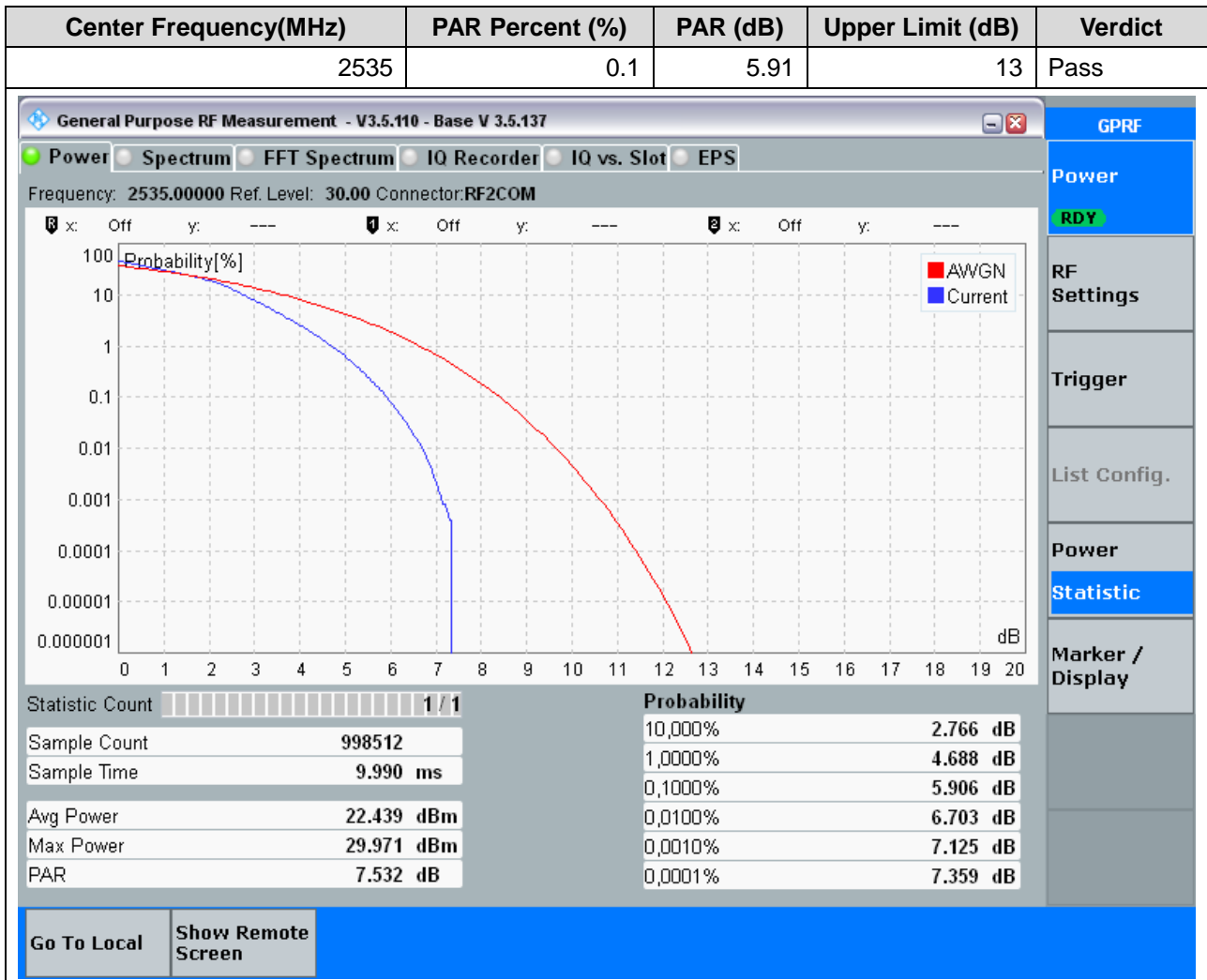
  

Statistic Count		Probability	
Sample Count	998512	10,000%	2.203 dB
Sample Time	9.990 ms	1,0000%	4.125 dB
Avg Power	23.481 dBm	0,1000%	5.156 dB
Max Power	29.696 dBm	0,0100%	5.719 dB
PAR	6.215 dB	0,0010%	6.047 dB
		0,0001%	6.141 dB

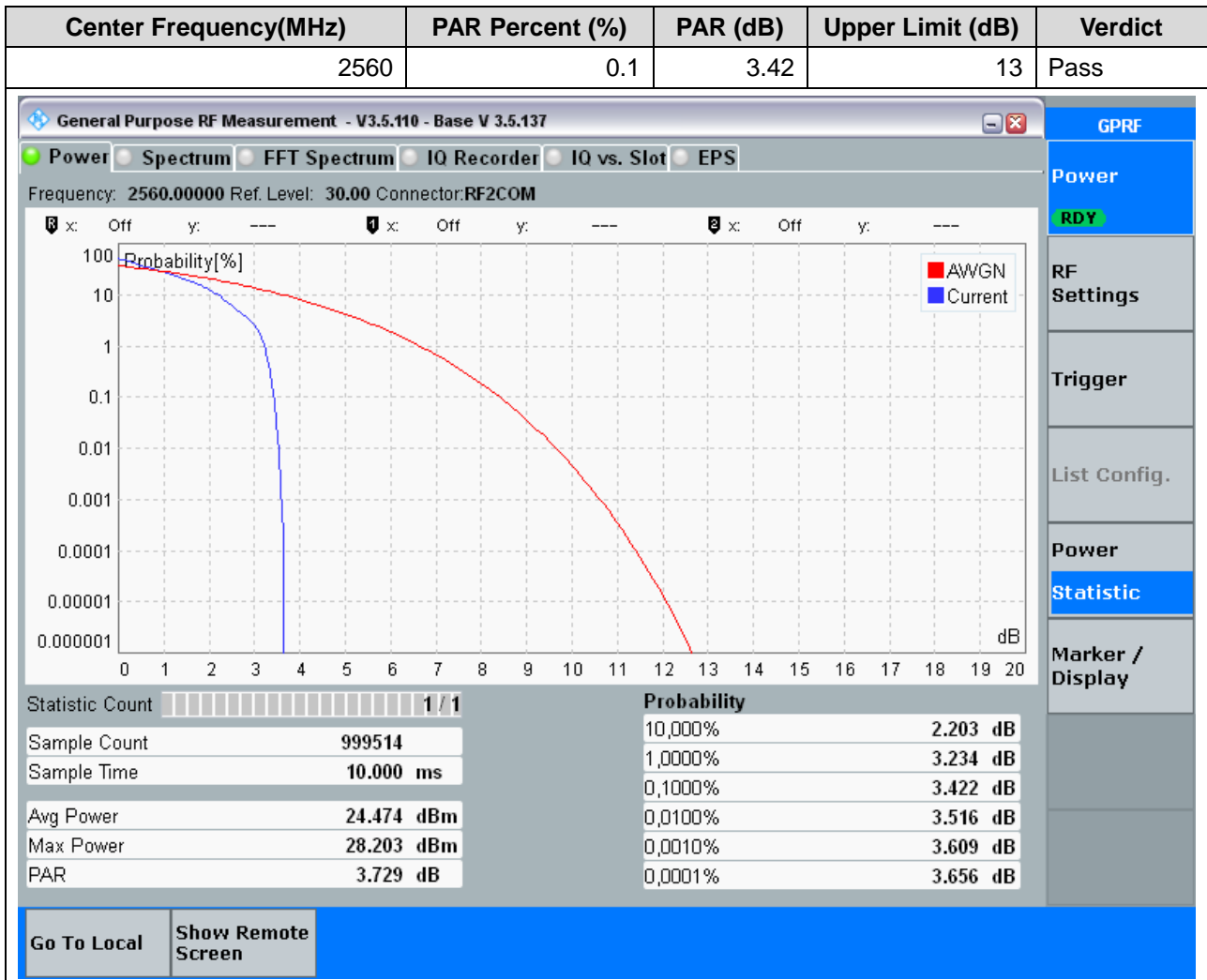
**7.7. LTE Peak to Average Ratio(NTNV)(Subtest:7, Channel:21100, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)**



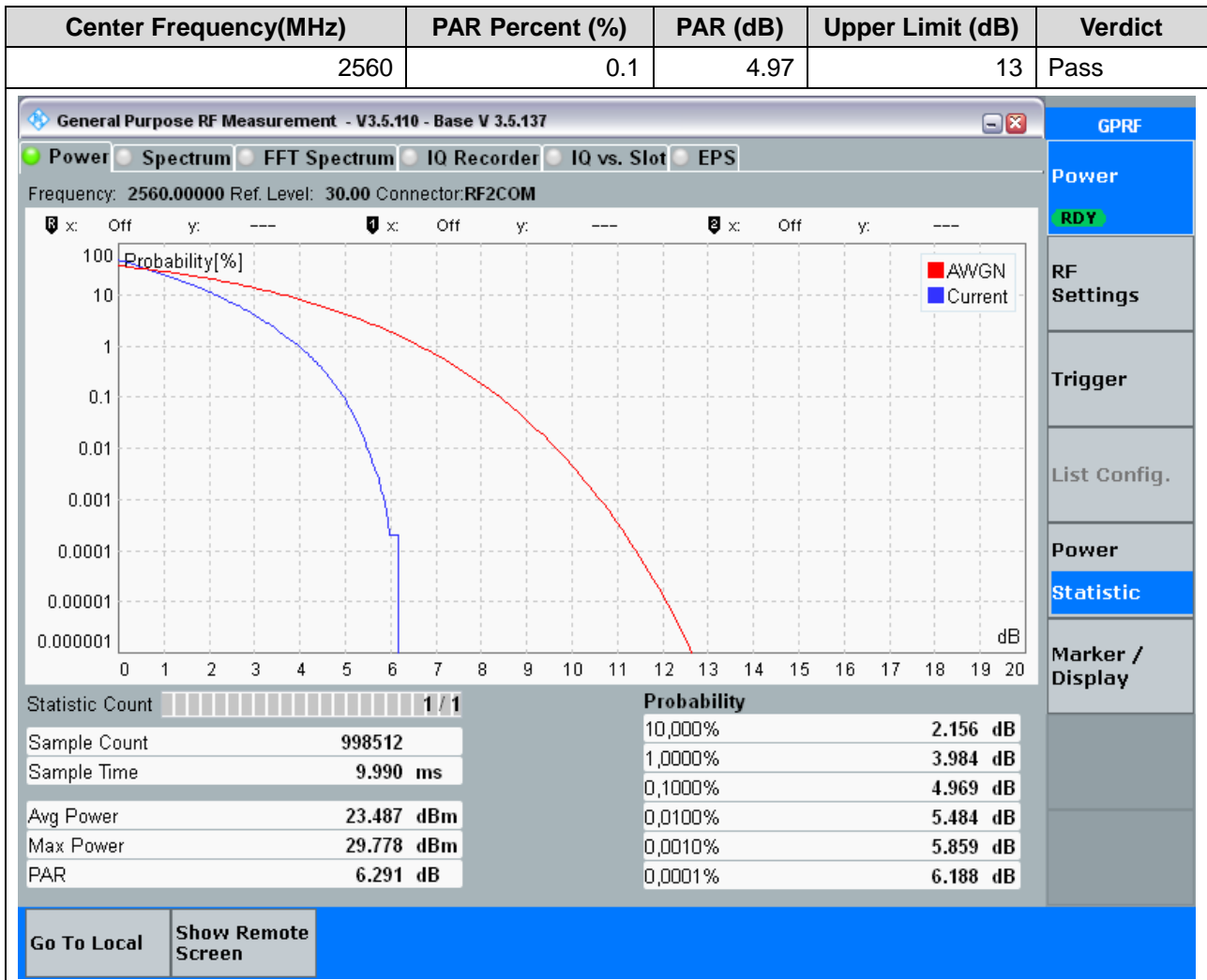
**7.8. LTE Peak to Average Ratio(NTNV)(Subtest:8, Channel:21100, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)**



**7.9. LTE Peak to Average Ratio(NTNV)(Subtest:9, Channel:21350, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)**

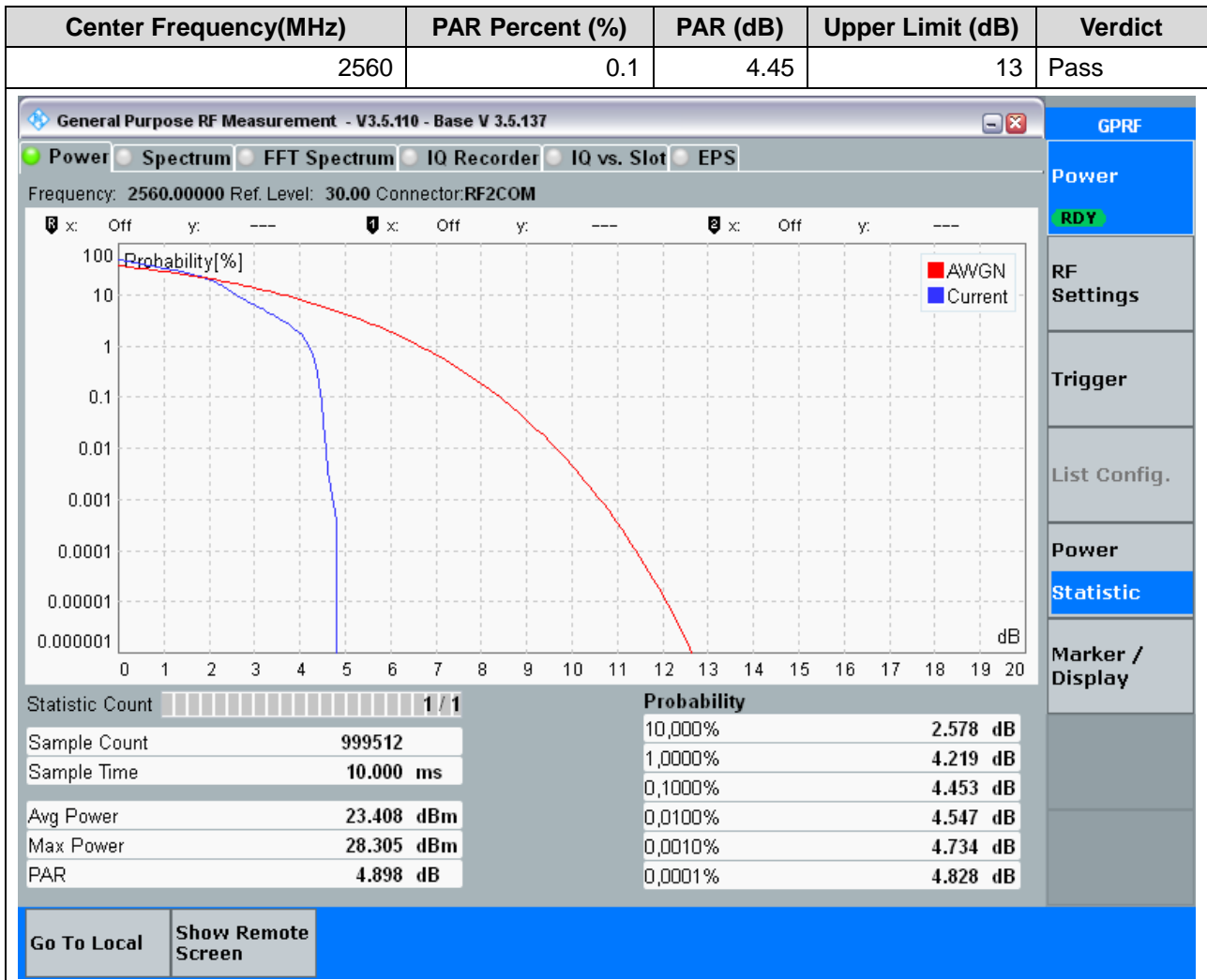


**7.10. LTE Peak to Average Ratio(NTNV)(Subtest:10, Channel:21350, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)**

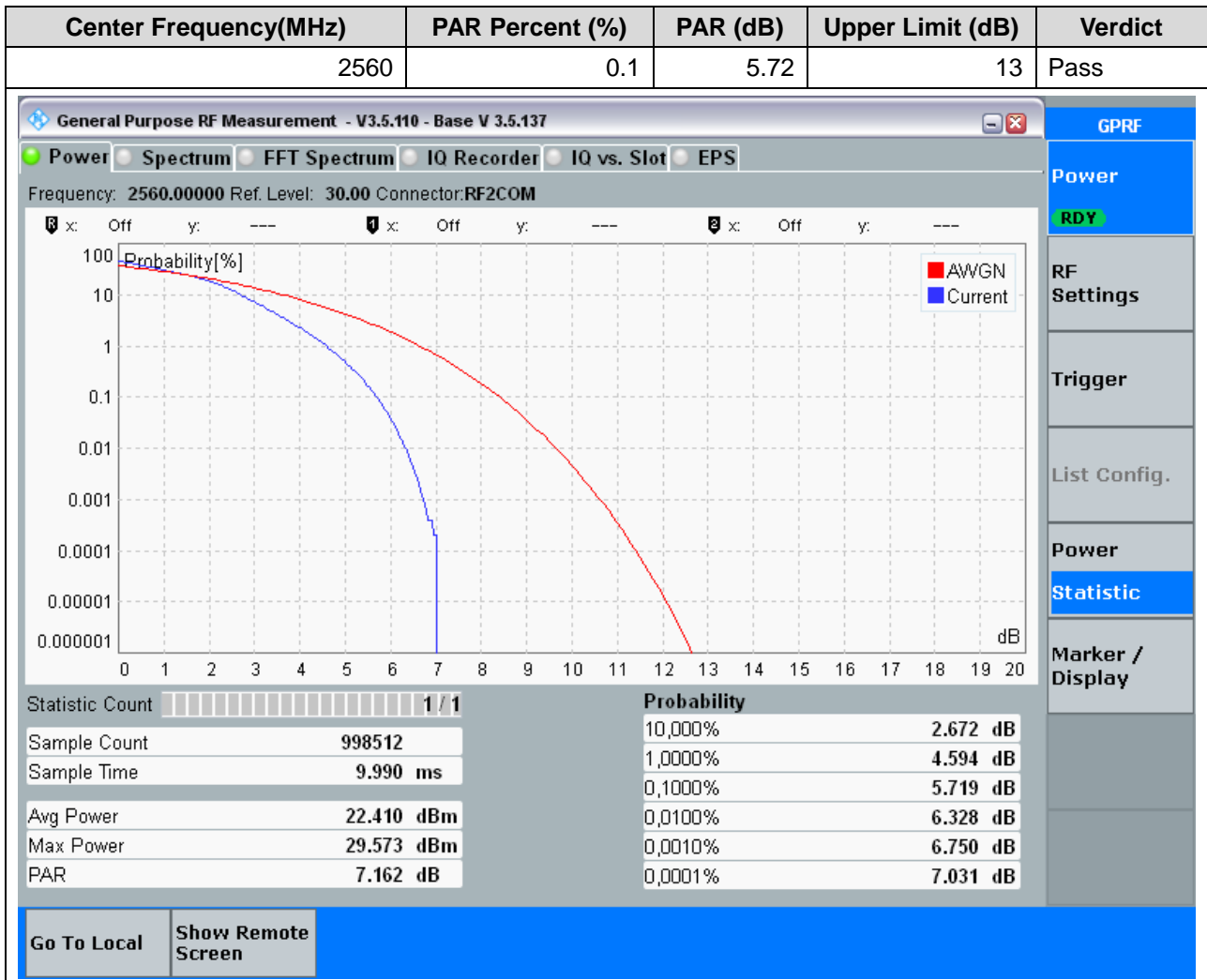




**7.11. LTE Peak to Average Ratio(NTNV)(Subtest:11, Channel:21350, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)**

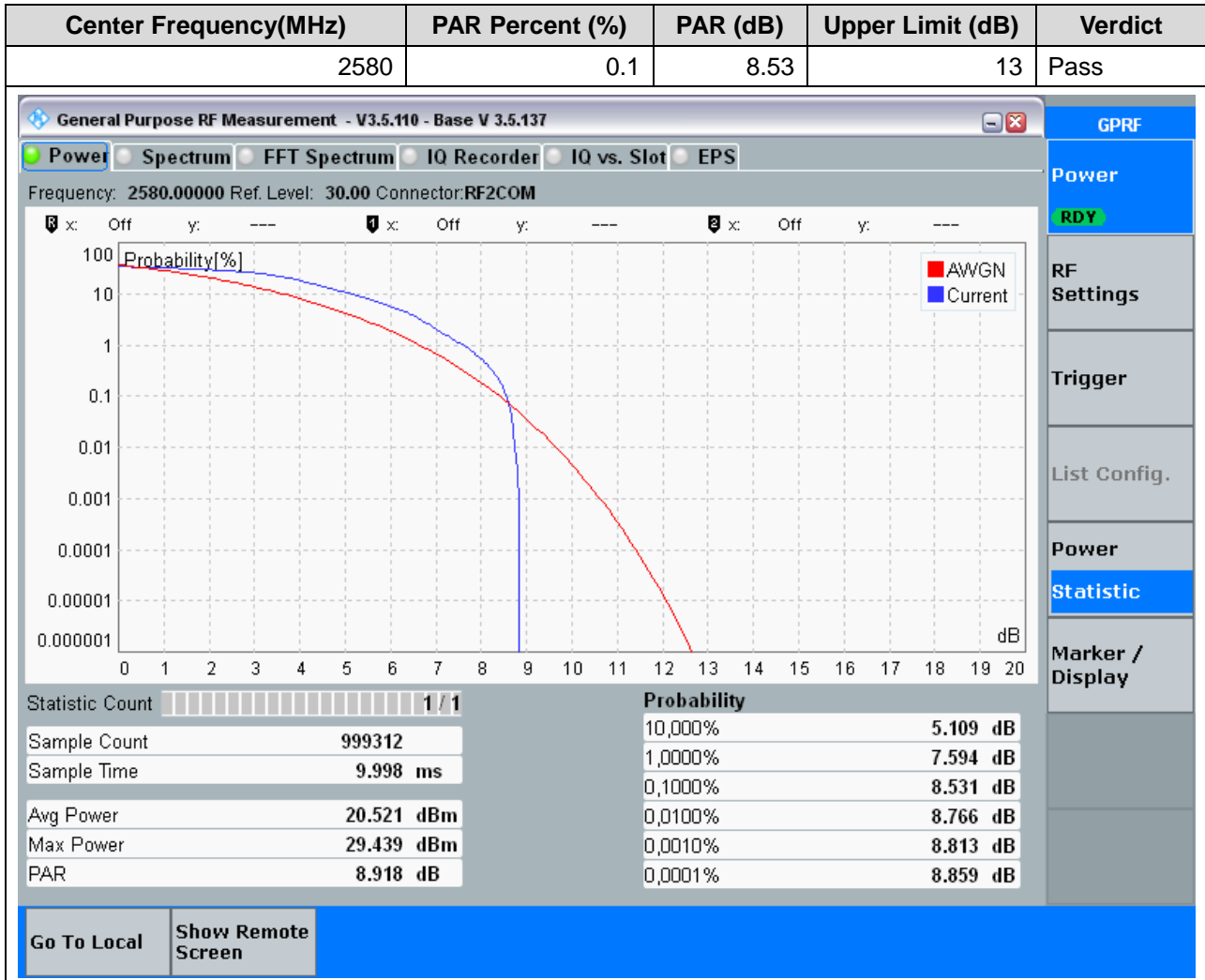


**7.12. LTE Peak to Average Ratio(NTNV)(Subtest:12, Channel:21350, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)**

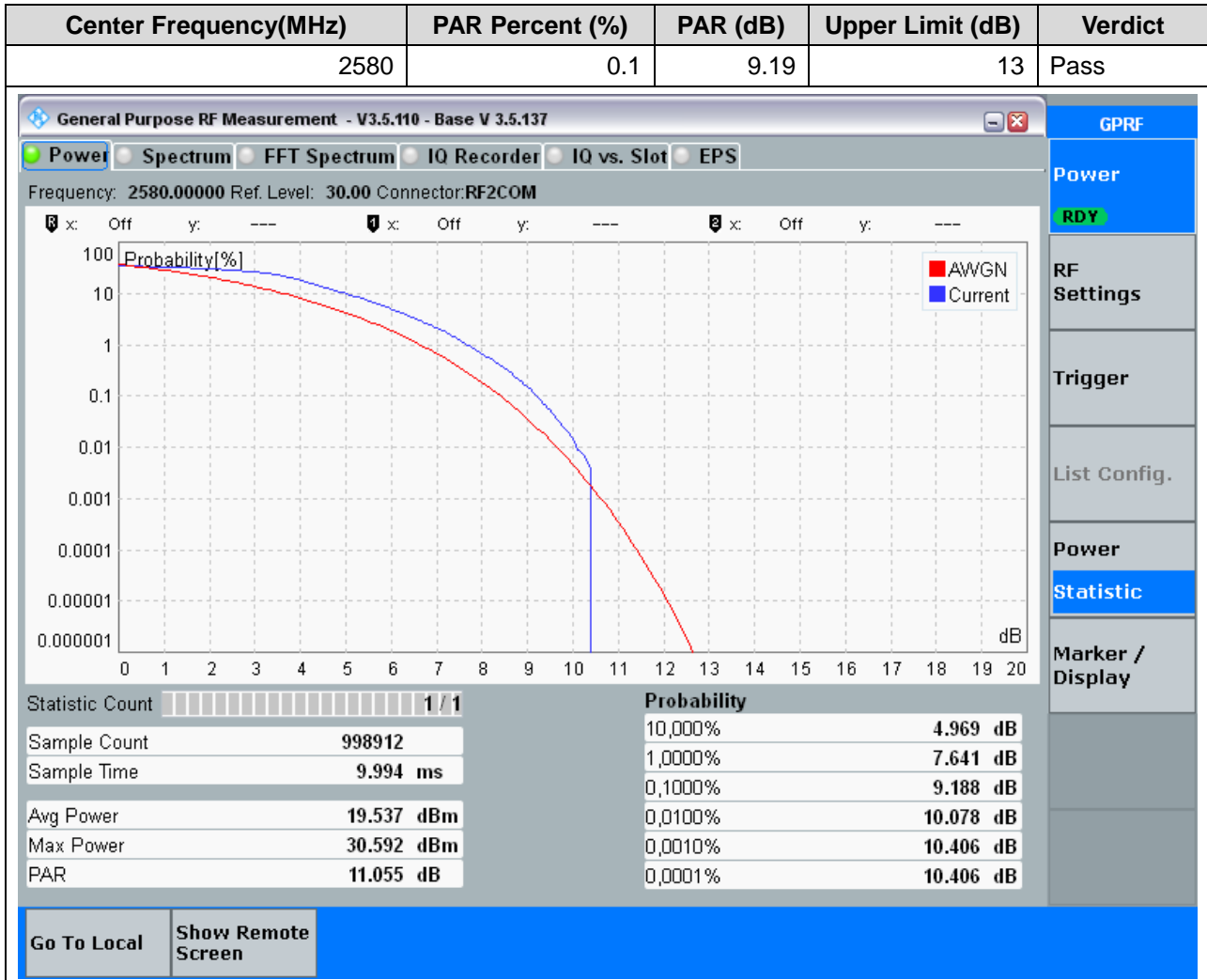


## 8. LTE\_Band38

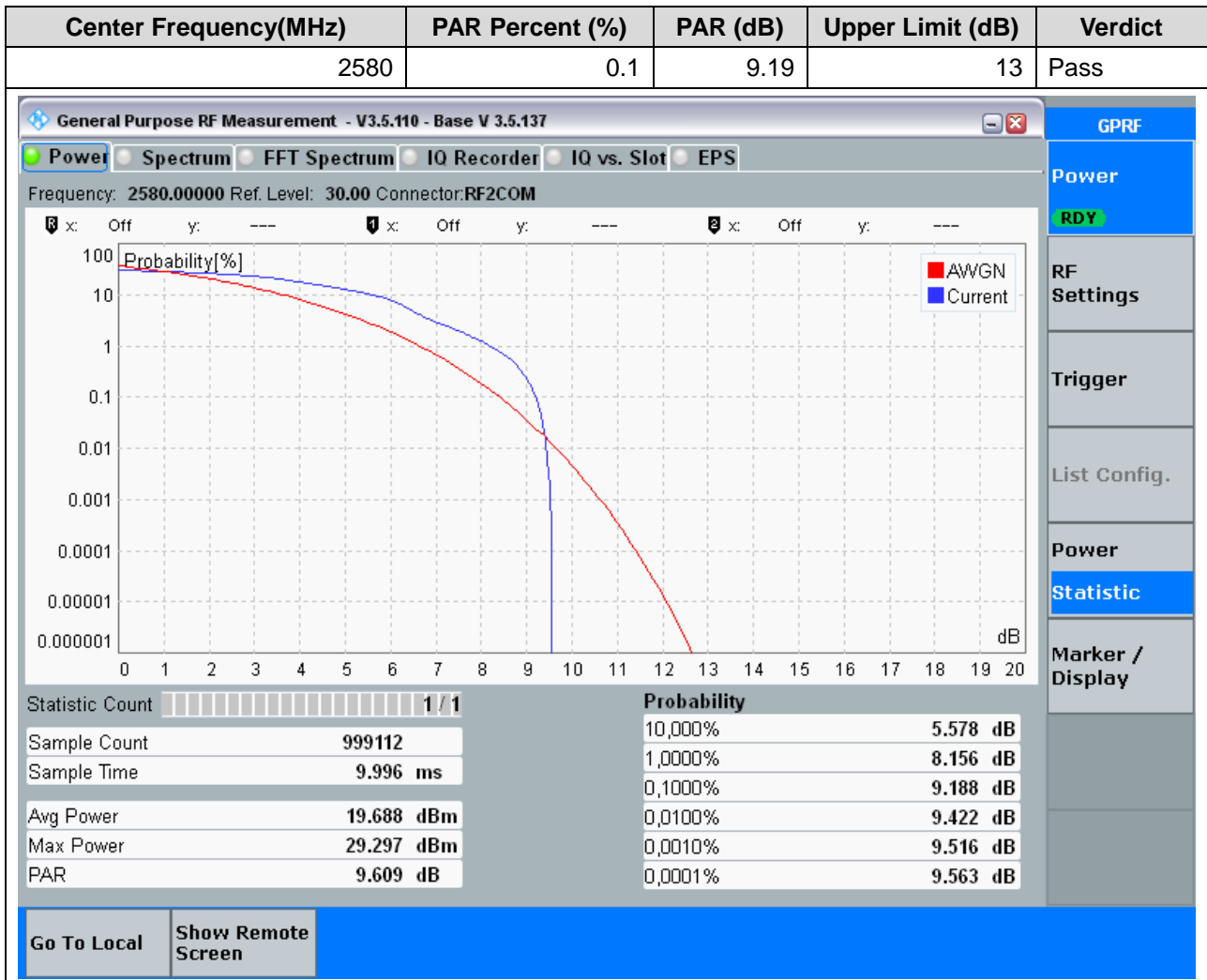
### 8.1. LTE Peak to Average Ratio(NTNV)(Subtest:1, Channel:37850, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)



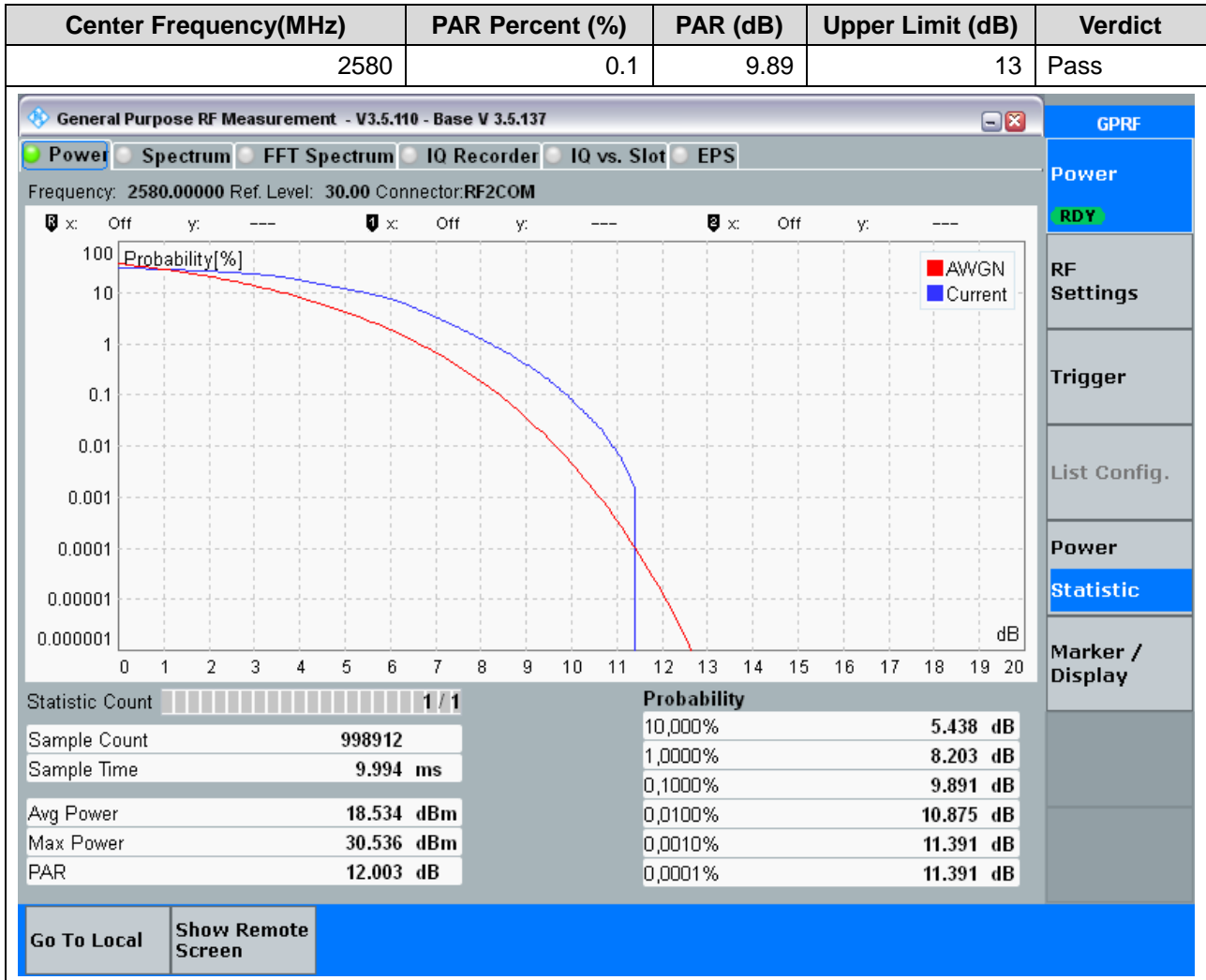
## 8.2. LTE Peak to Average Ratio(NTNV)(Subtest:2, Channel:37850, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)



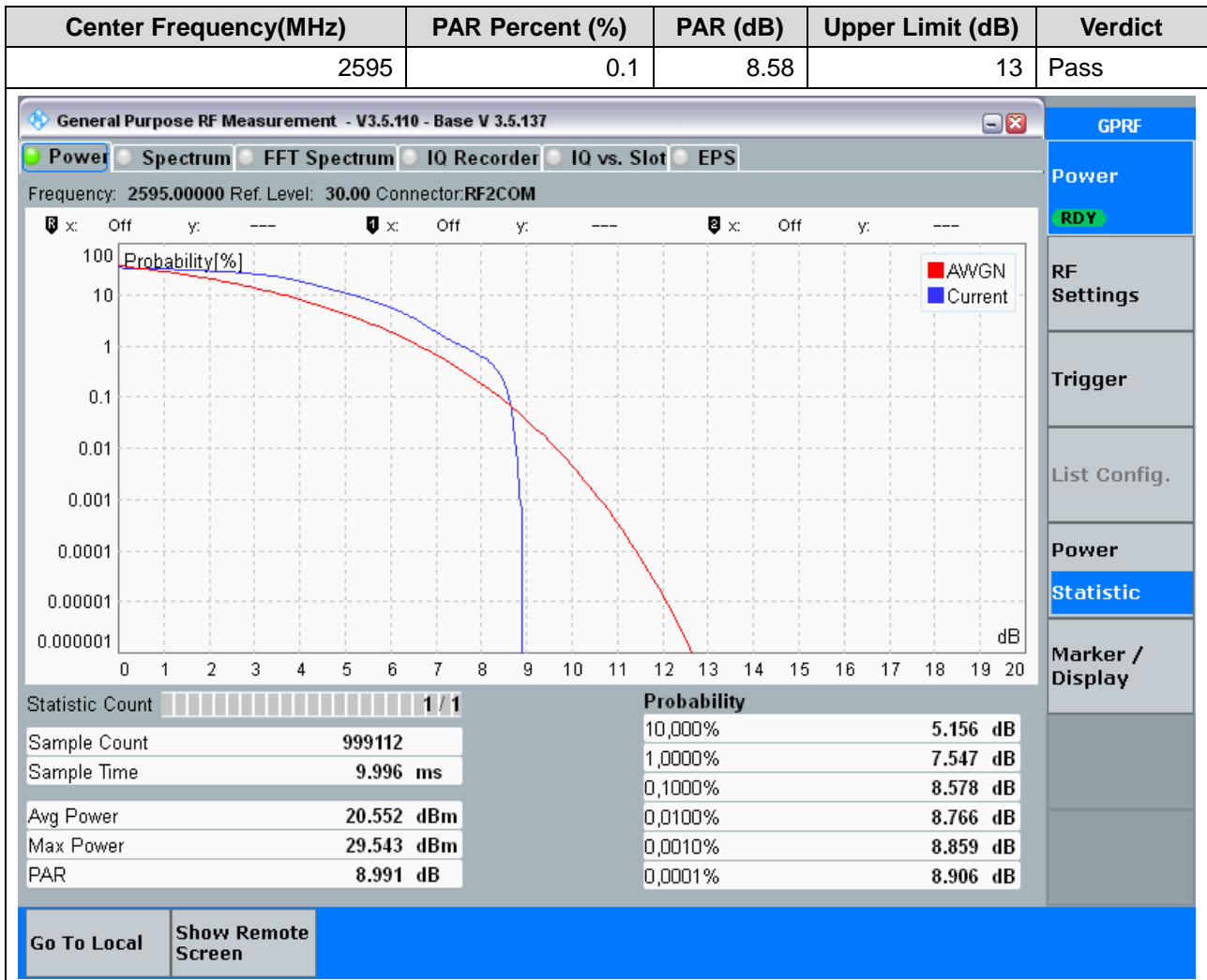
### 8.3. LTE Peak to Average Ratio(NTNV)(Subtest:3, Channel:37850, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)



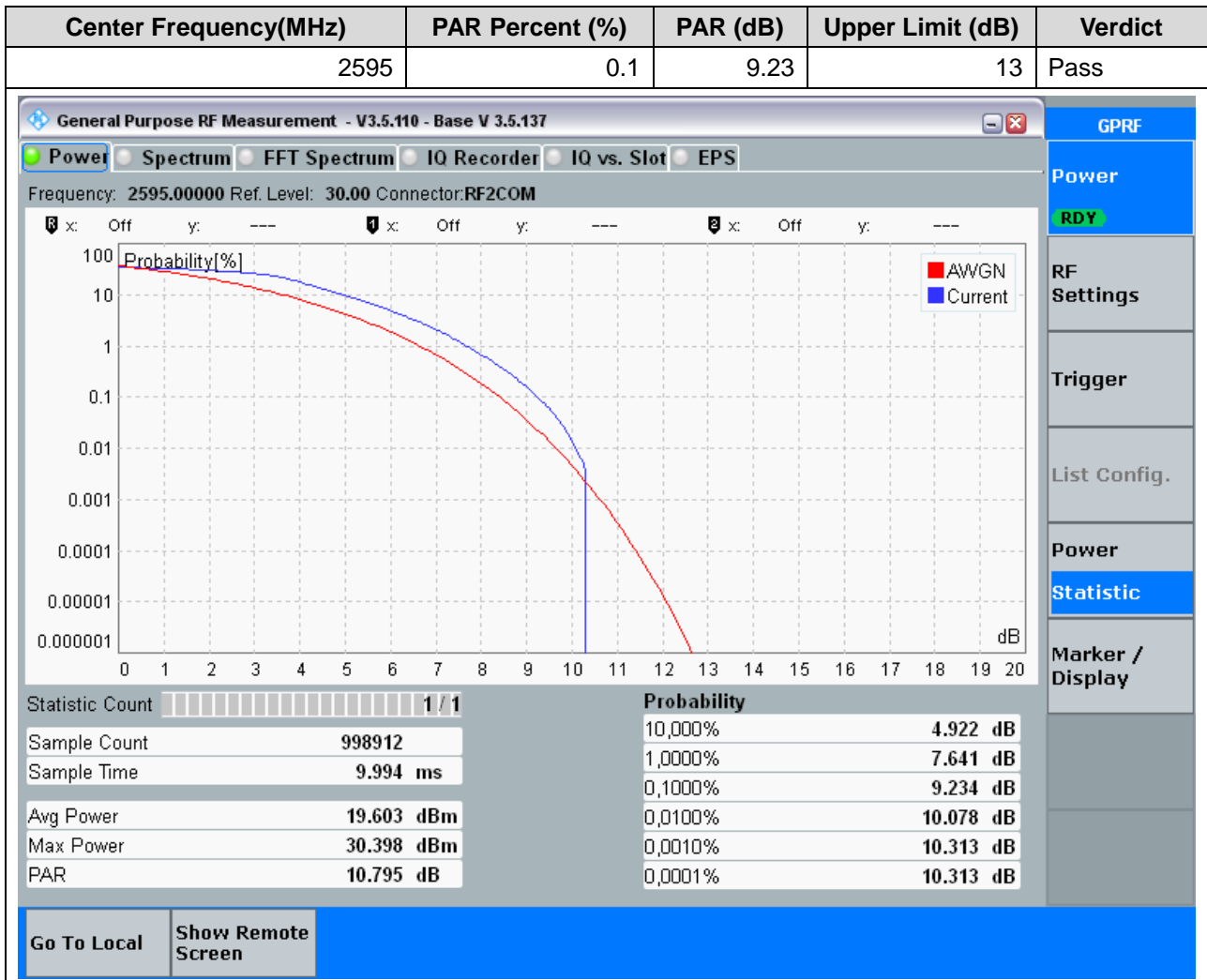
### 8.4. LTE Peak to Average Ratio(NTNV)(Subtest:4, Channel:37850, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)



**8.5. LTE Peak to Average Ratio(NTNV)(Subtest:5, Channel:38000, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)**

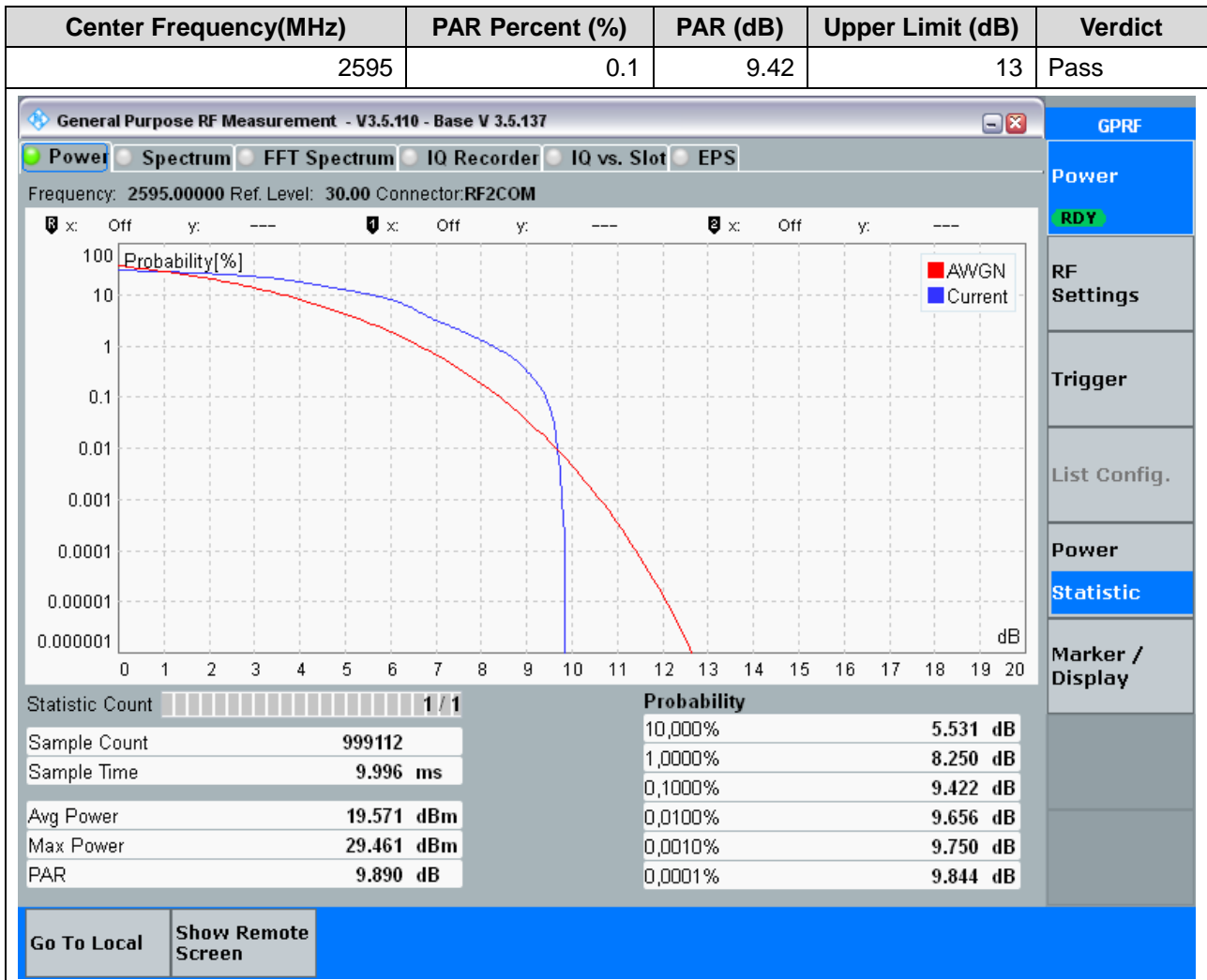


**8.6. LTE Peak to Average Ratio(NTNV)(Subtest:6, Channel:38000, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)**

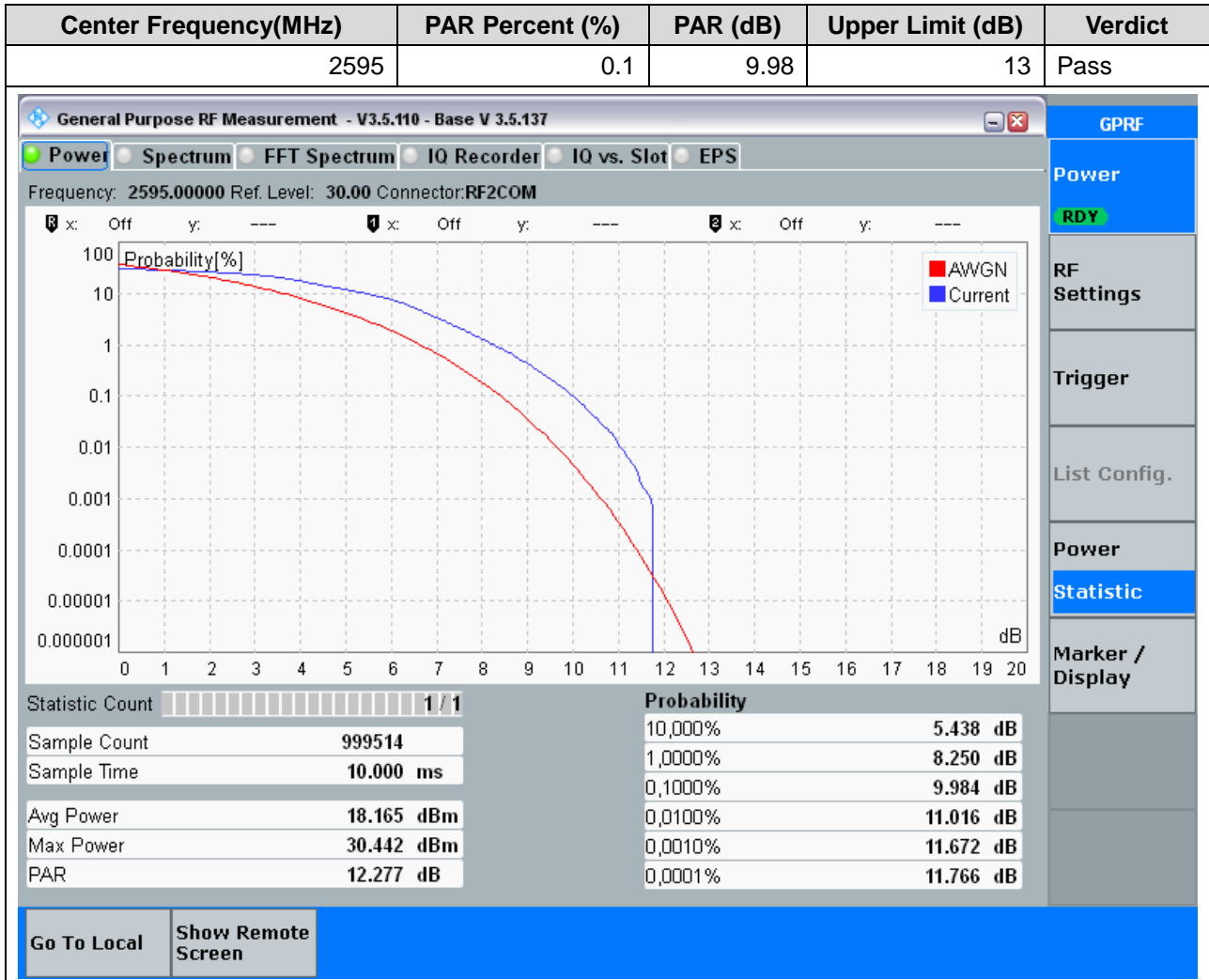




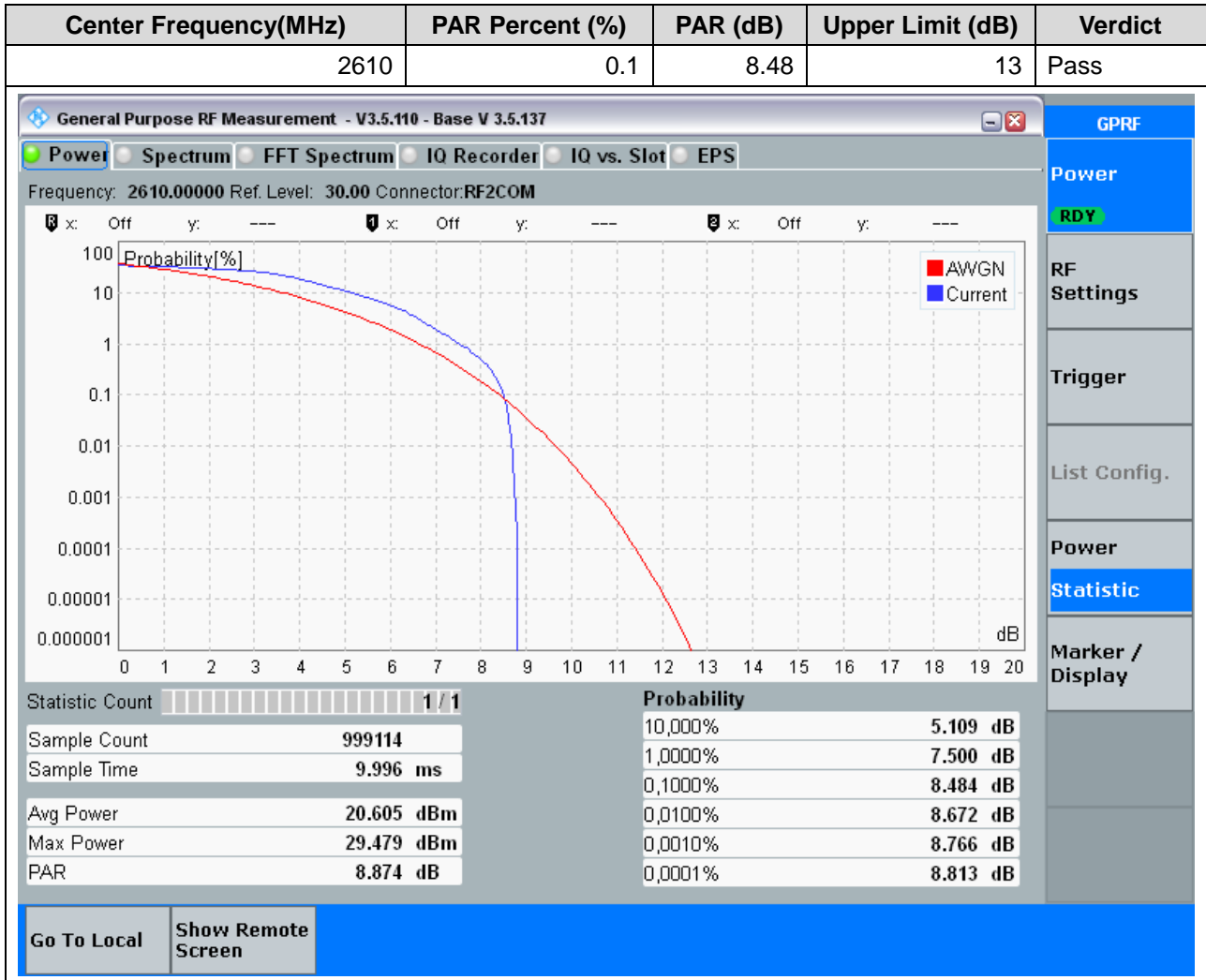
**8.7. LTE Peak to Average Ratio(NTNV)(Subtest:7, Channel:38000, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)**



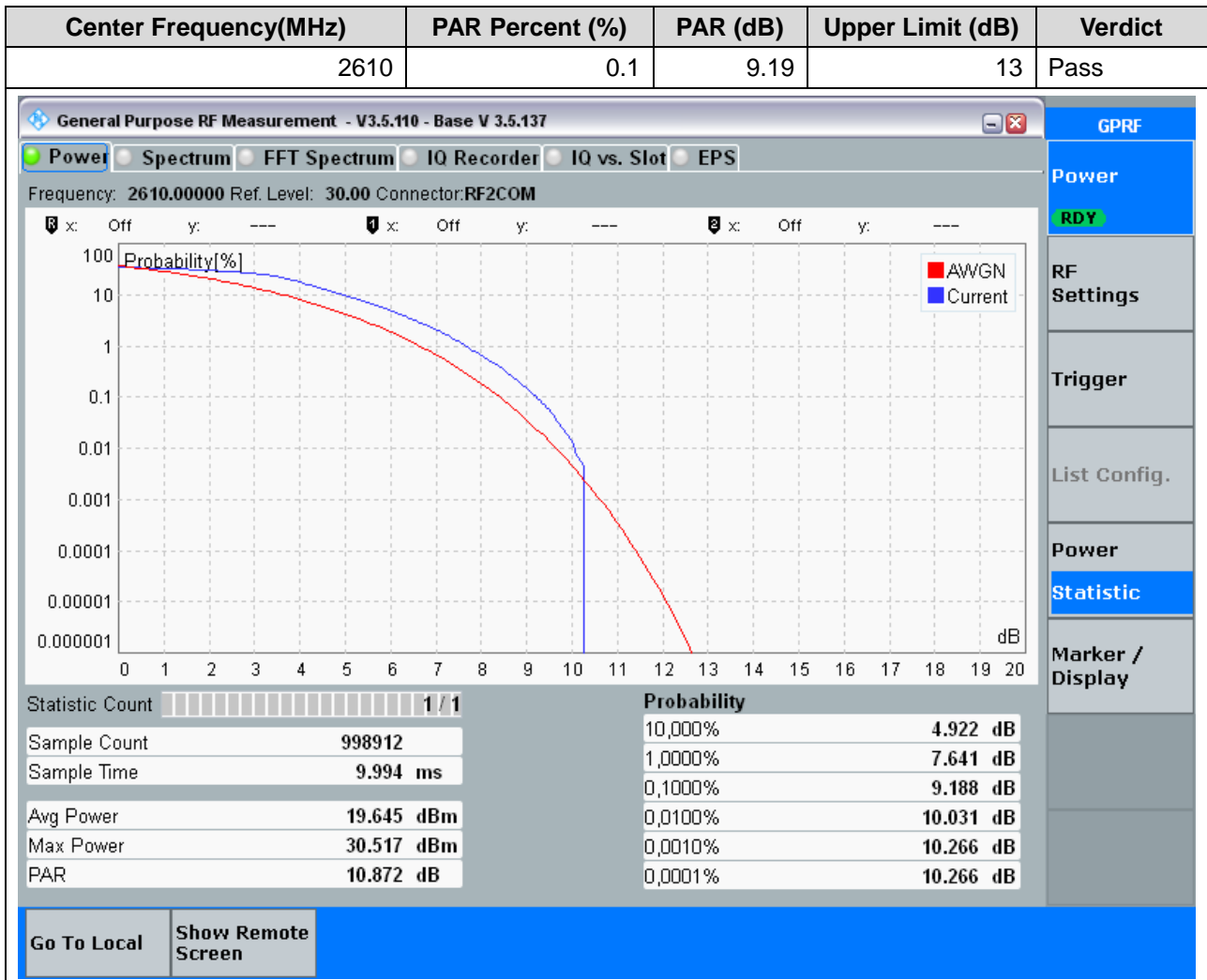
**8.8. LTE Peak to Average Ratio(NTNV)(Subtest:8, Channel:38000, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)**



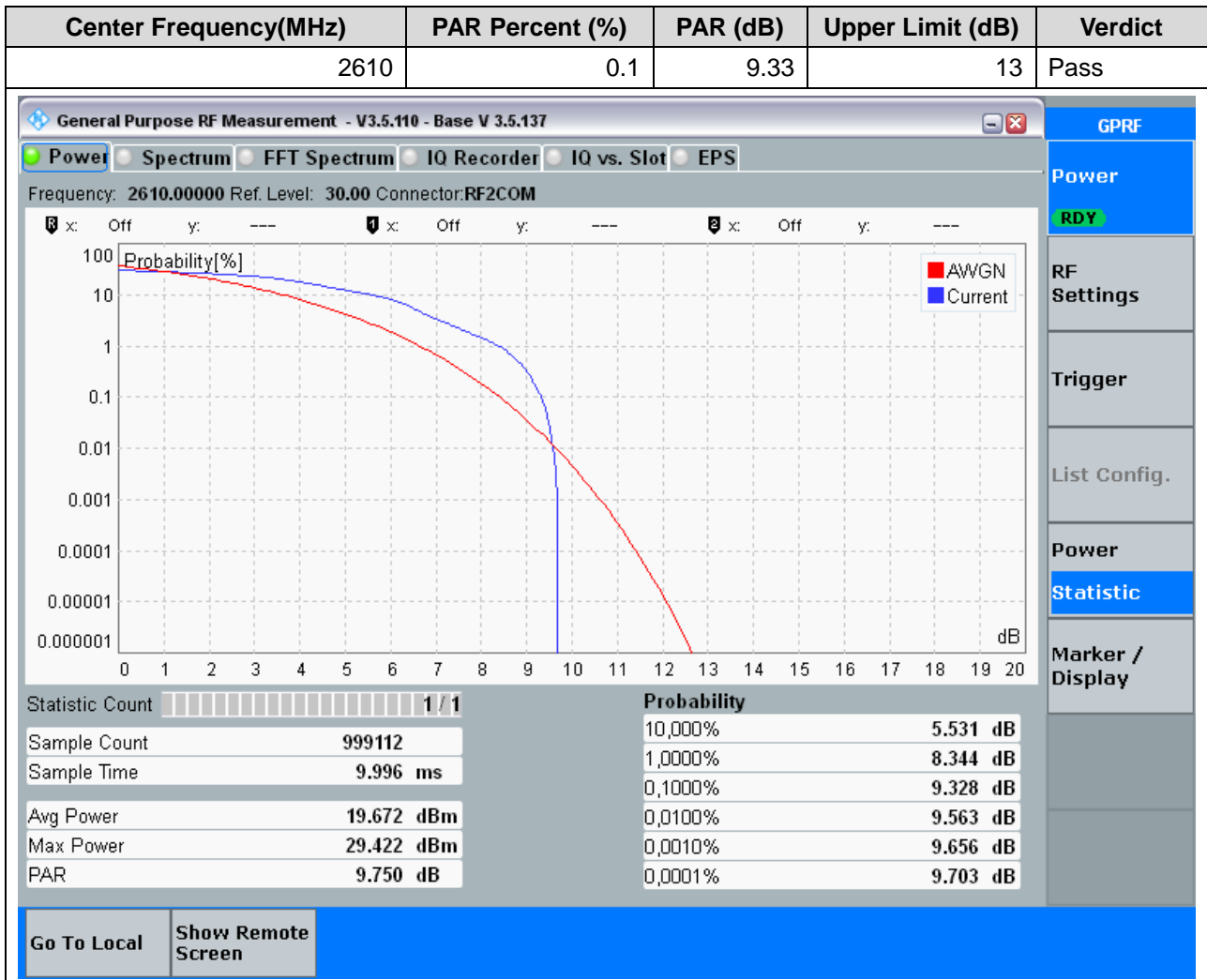
**8.9. LTE Peak to Average Ratio(NTNV)(Subtest:9, Channel:38150, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)**



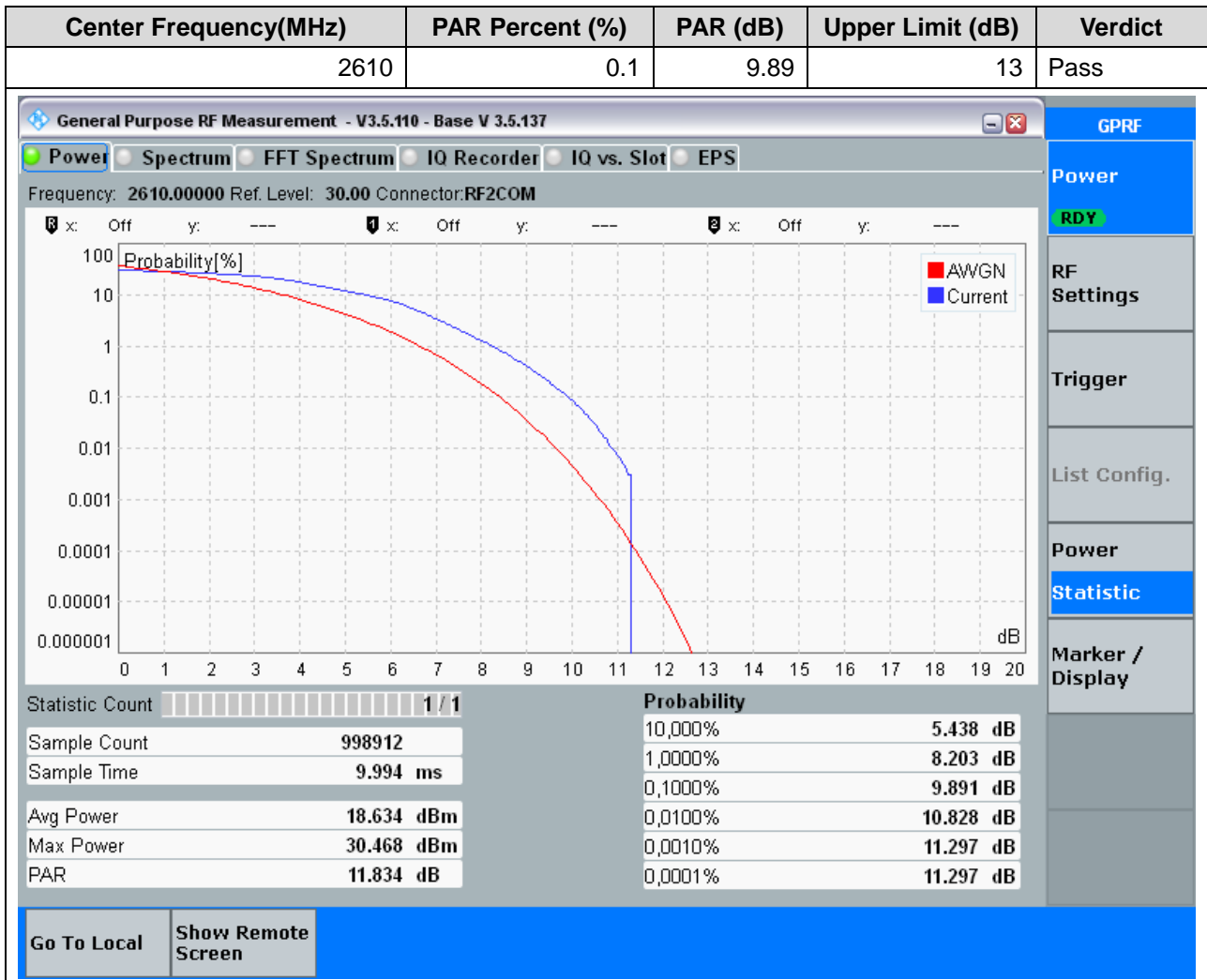
**8.10. LTE Peak to Average Ratio(NTNV)(Subtest:10, Channel:38150, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)**



**8.11. LTE Peak to Average Ratio(NTNV)(Subtest:11, Channel:38150, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)**

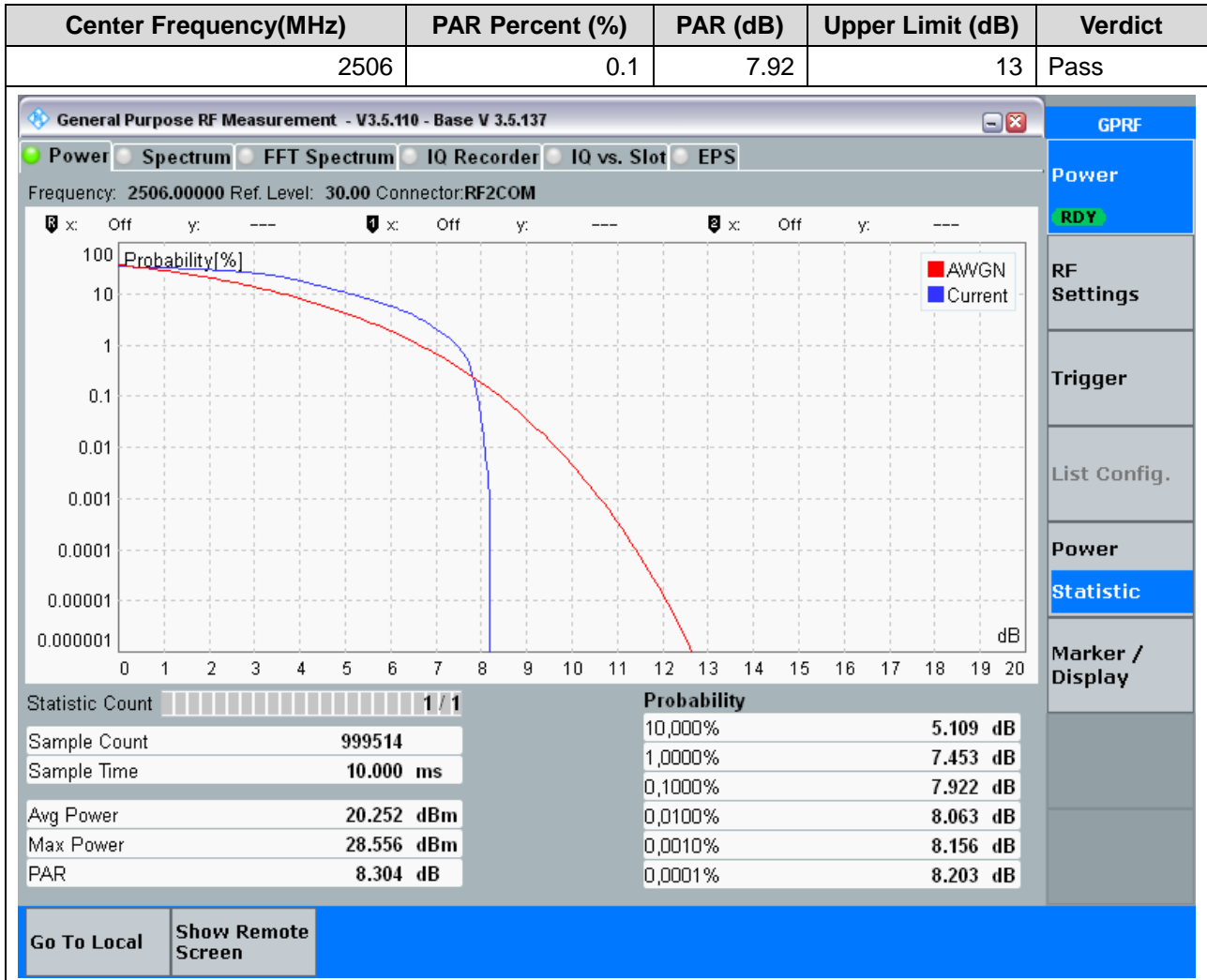


**8.12. LTE Peak to Average Ratio(NTNV)(Subtest:12, Channel:38150, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)**

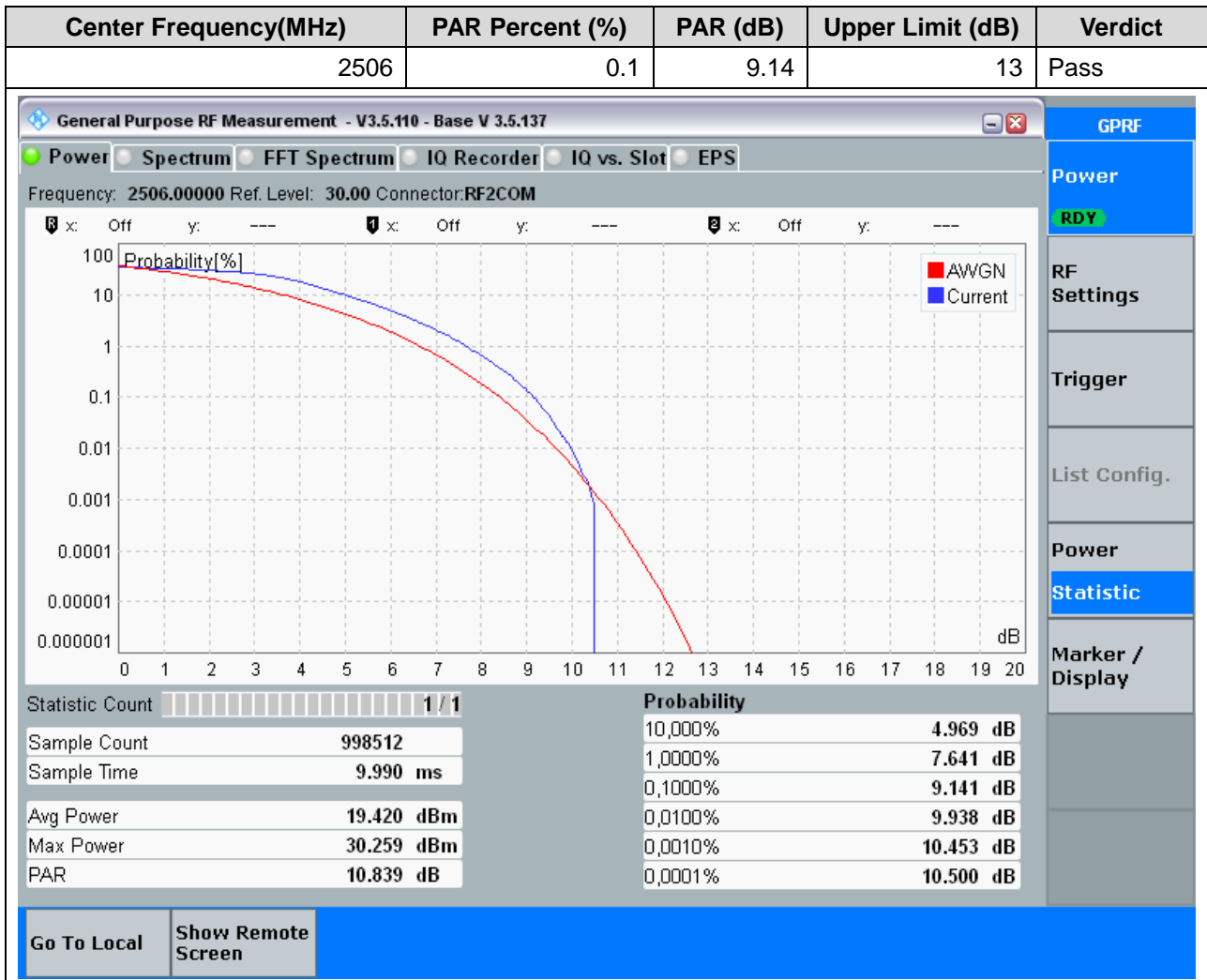


## 9. LTE\_Band41 full

### 9.1. LTE Peak to Average Ratio(NTNV)(Subtest:1, Channel:39750, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)

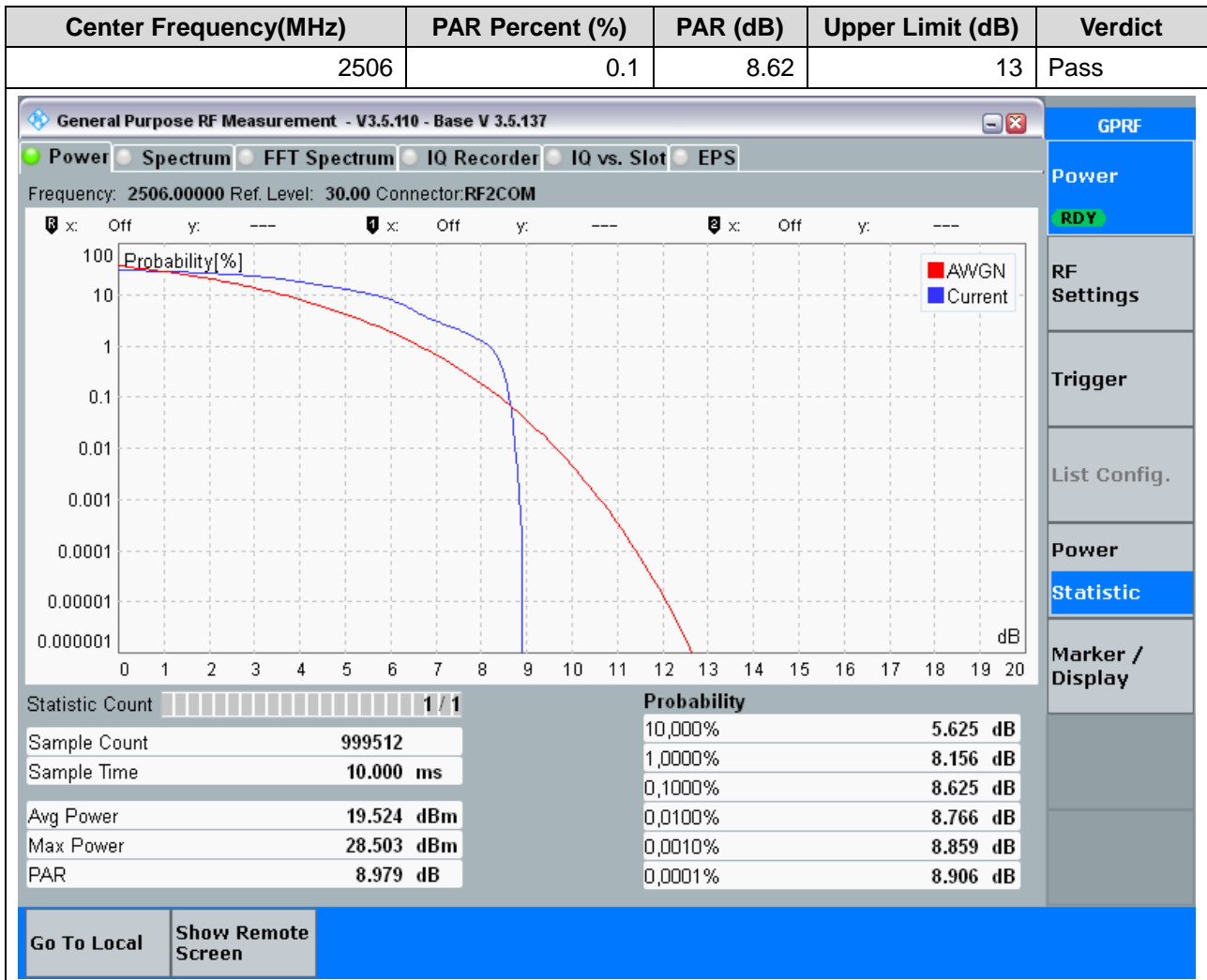


**9.2. LTE Peak to Average Ratio(NTNV)(Subtest:2, Channel:39750, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)**

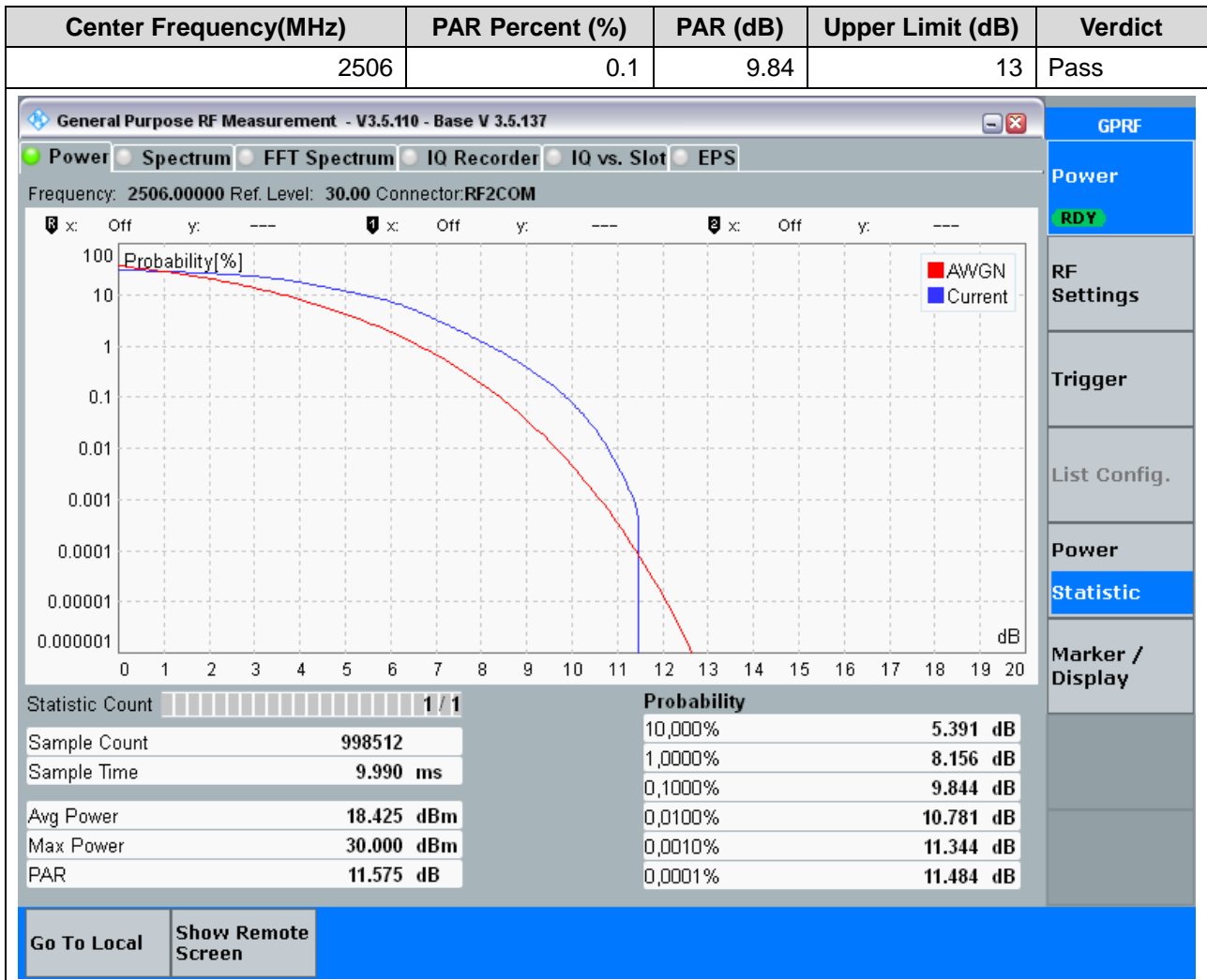




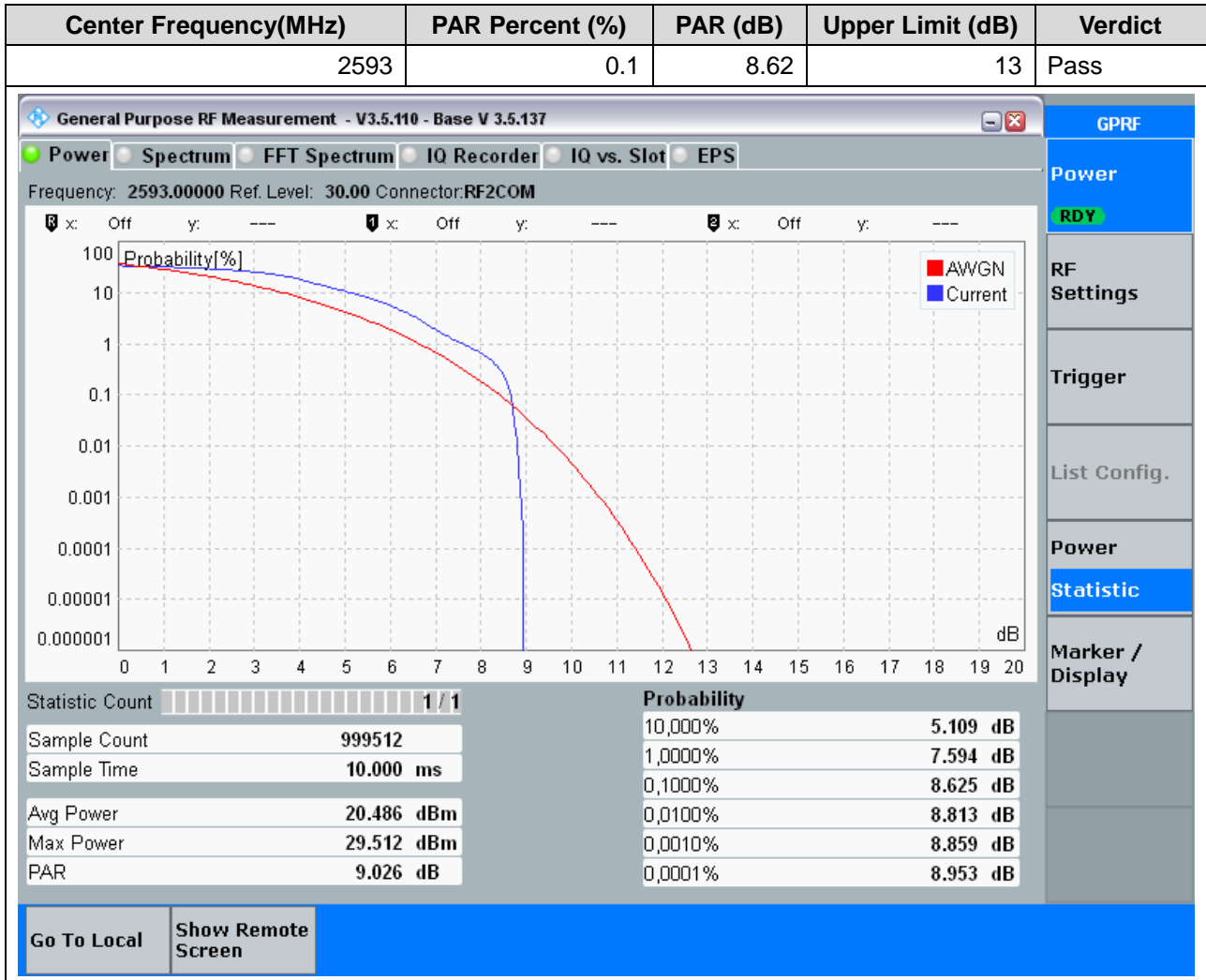
### 9.3. LTE Peak to Average Ratio(NTNV)(Subtest:3, Channel:39750, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)



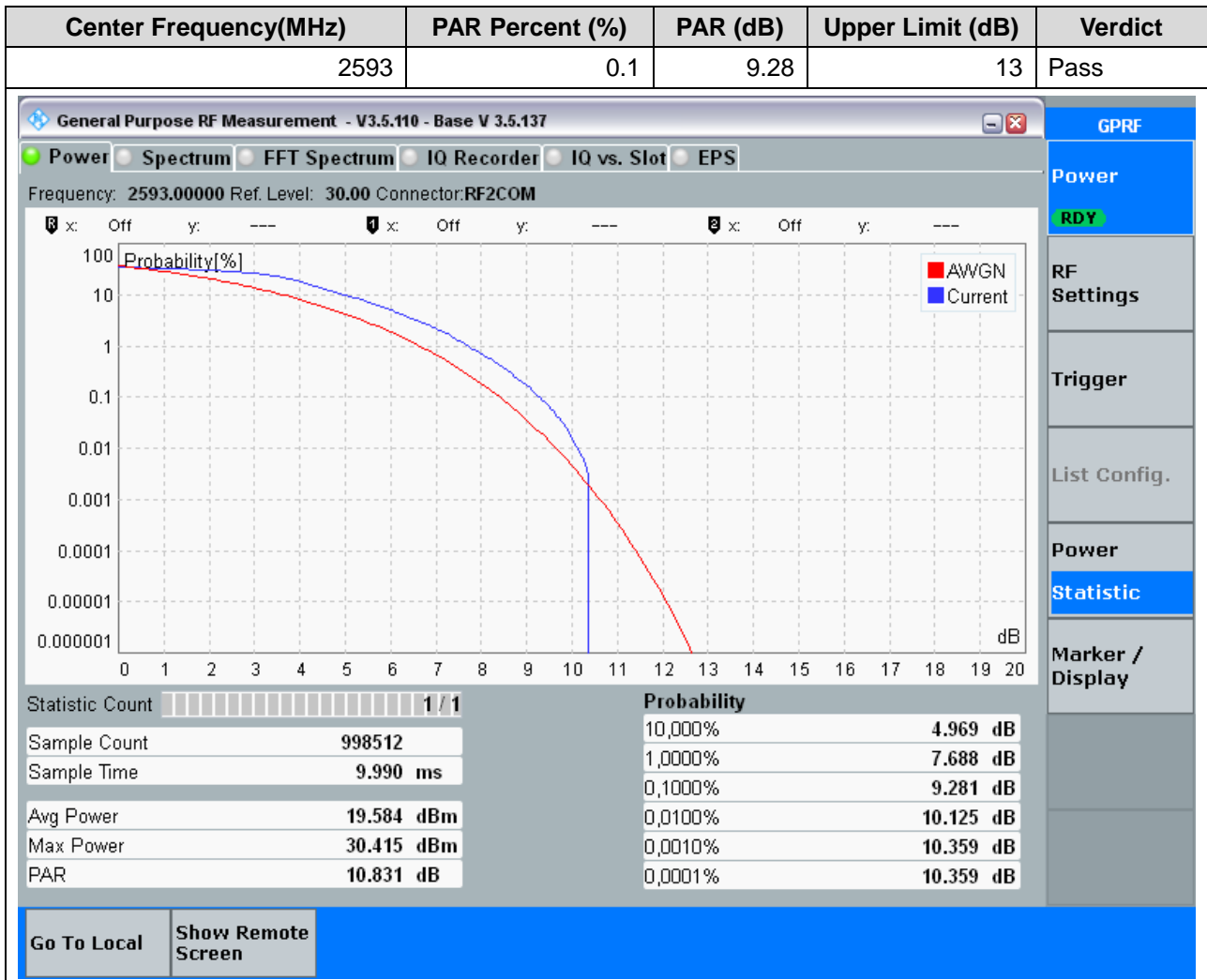
**9.4. LTE Peak to Average Ratio(NTNV)(Subtest:4, Channel:39750, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)**



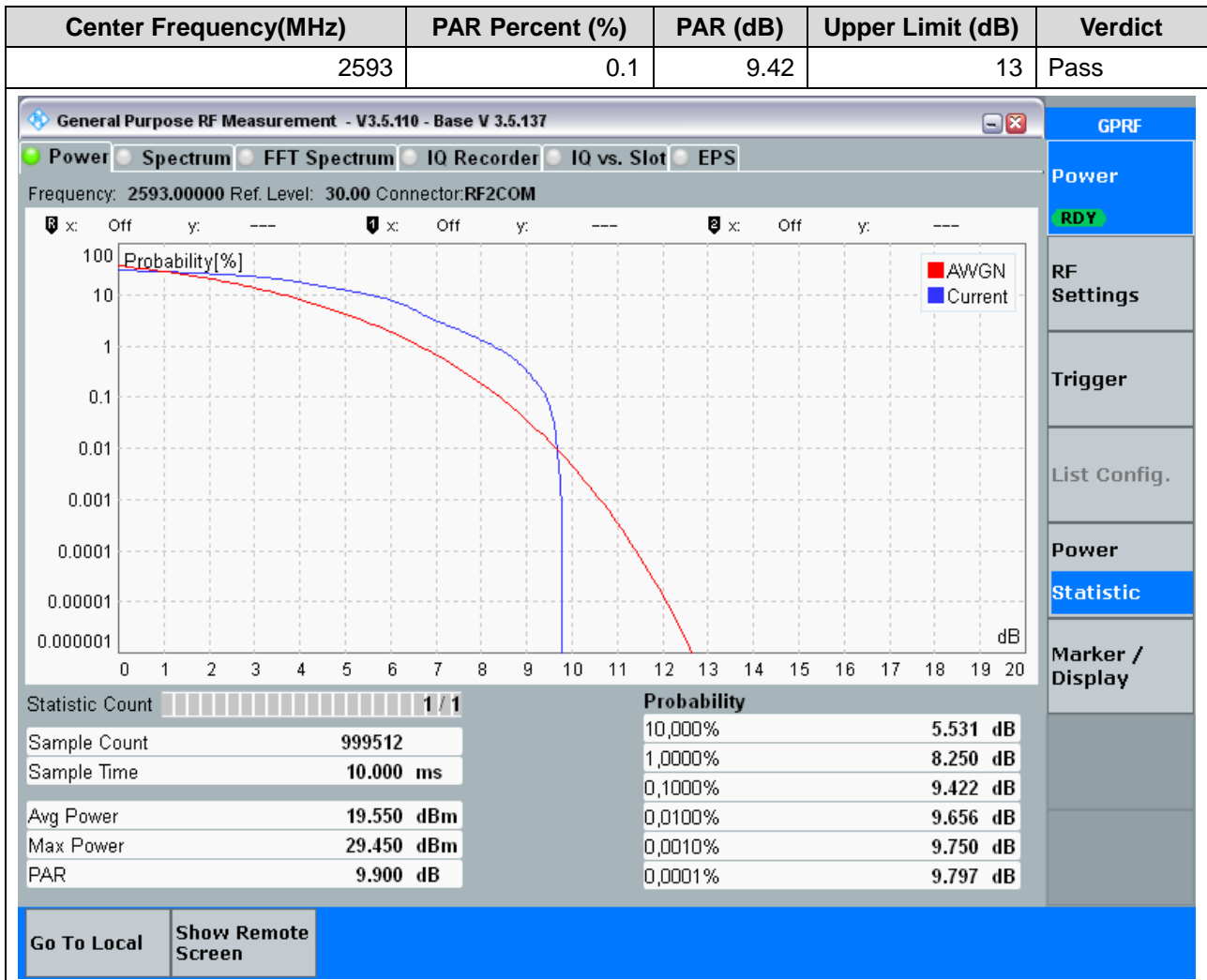
**9.5. LTE Peak to Average Ratio(NTNV)(Subtest:5, Channel:40620, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)**



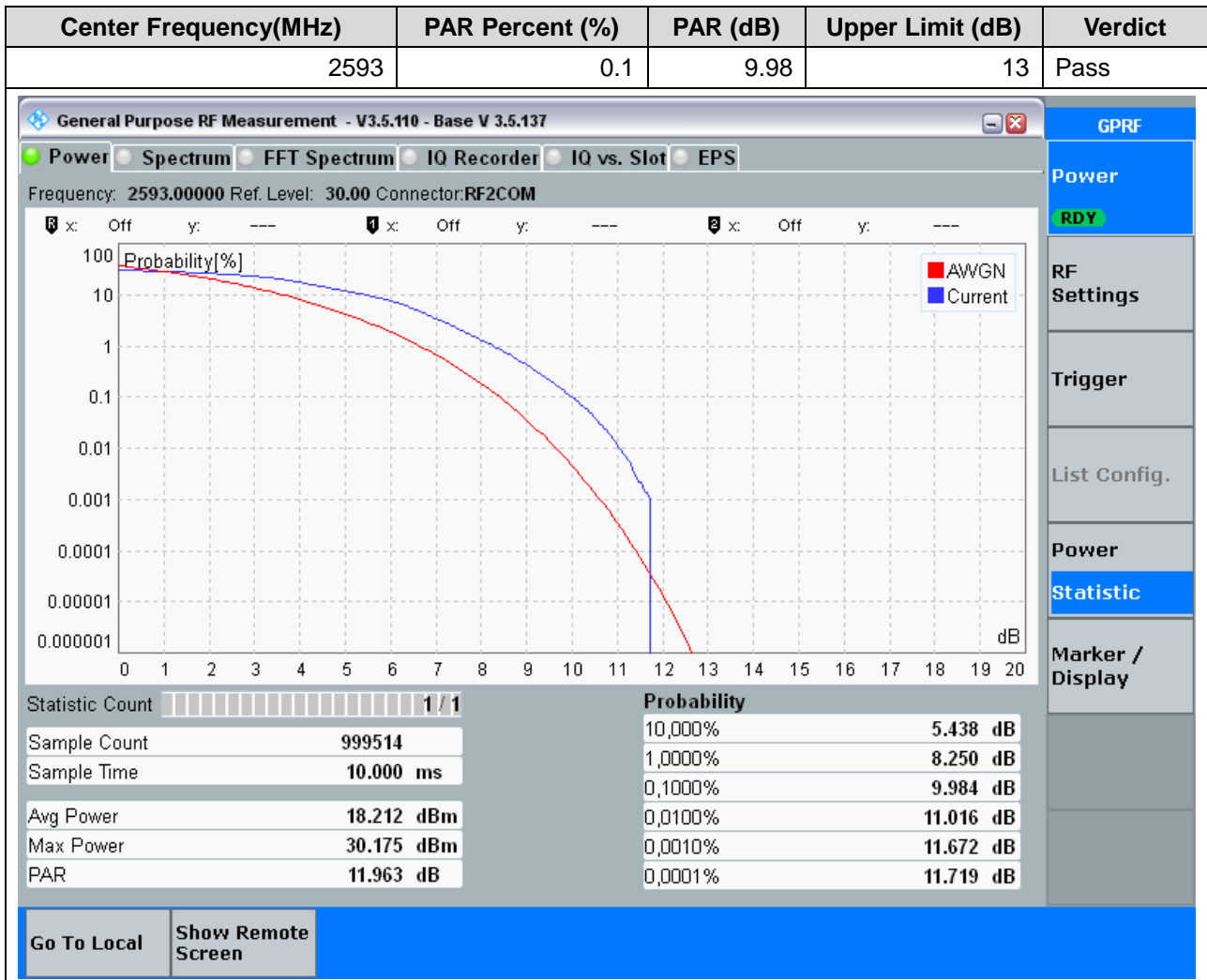
**9.6. LTE Peak to Average Ratio(NTNV)(Subtest:6, Channel:40620, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)**



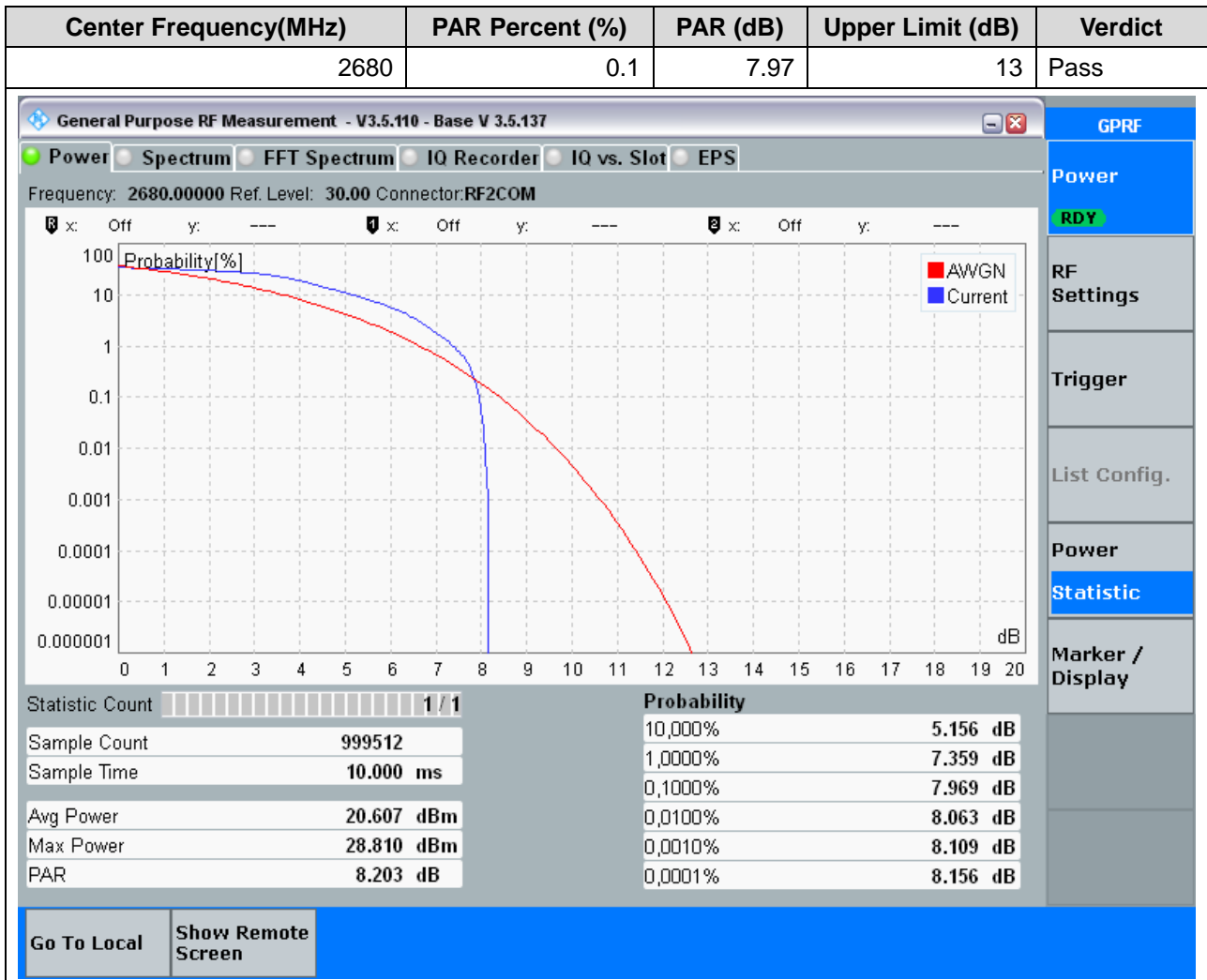
**9.7. LTE Peak to Average Ratio(NTNV)(Subtest:7, Channel:40620, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)**



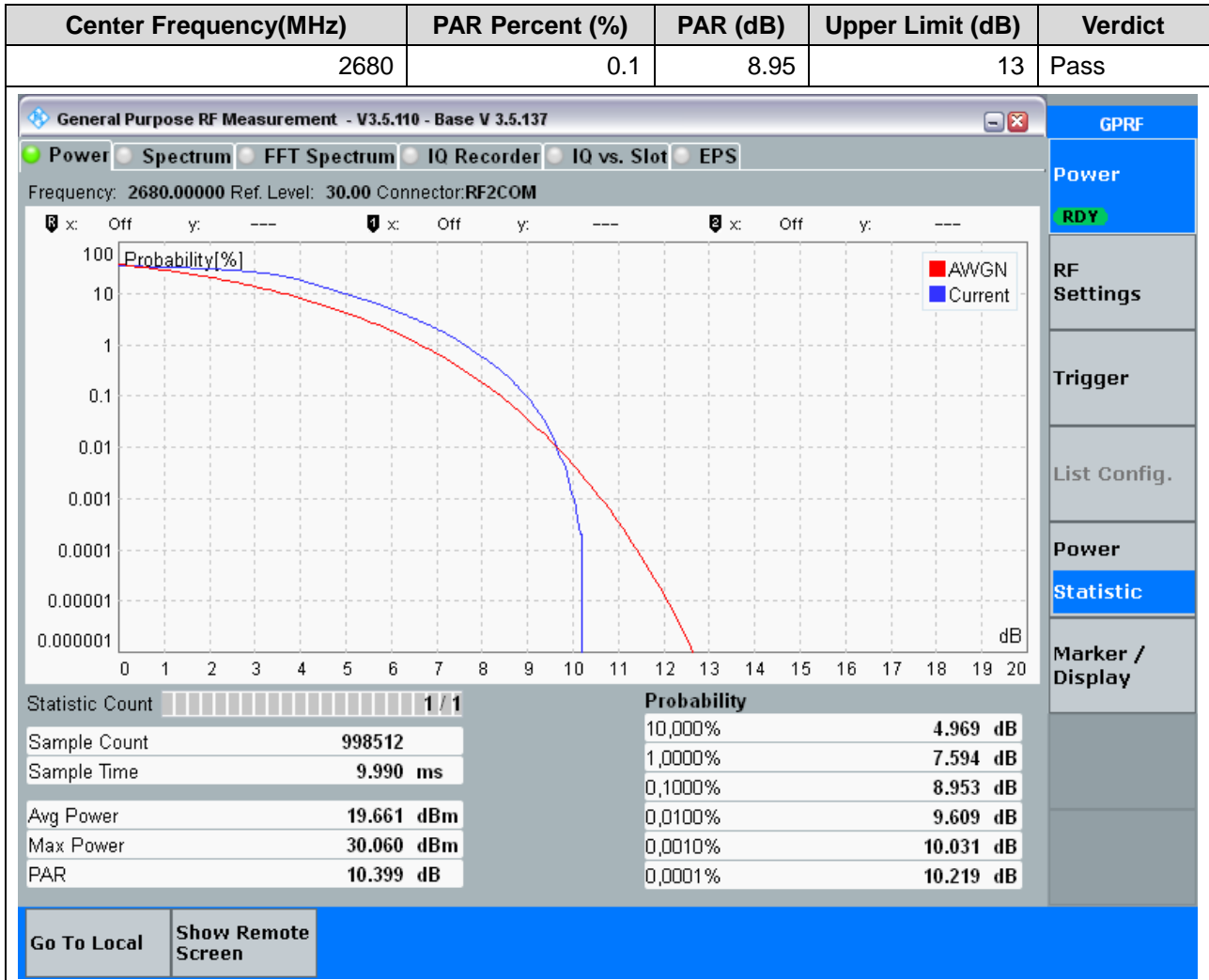
**9.8. LTE Peak to Average Ratio(NTNV)(Subtest:8, Channel:40620, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)**



**9.9. LTE Peak to Average Ratio(NTNV)(Subtest:9, Channel:41490, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)**

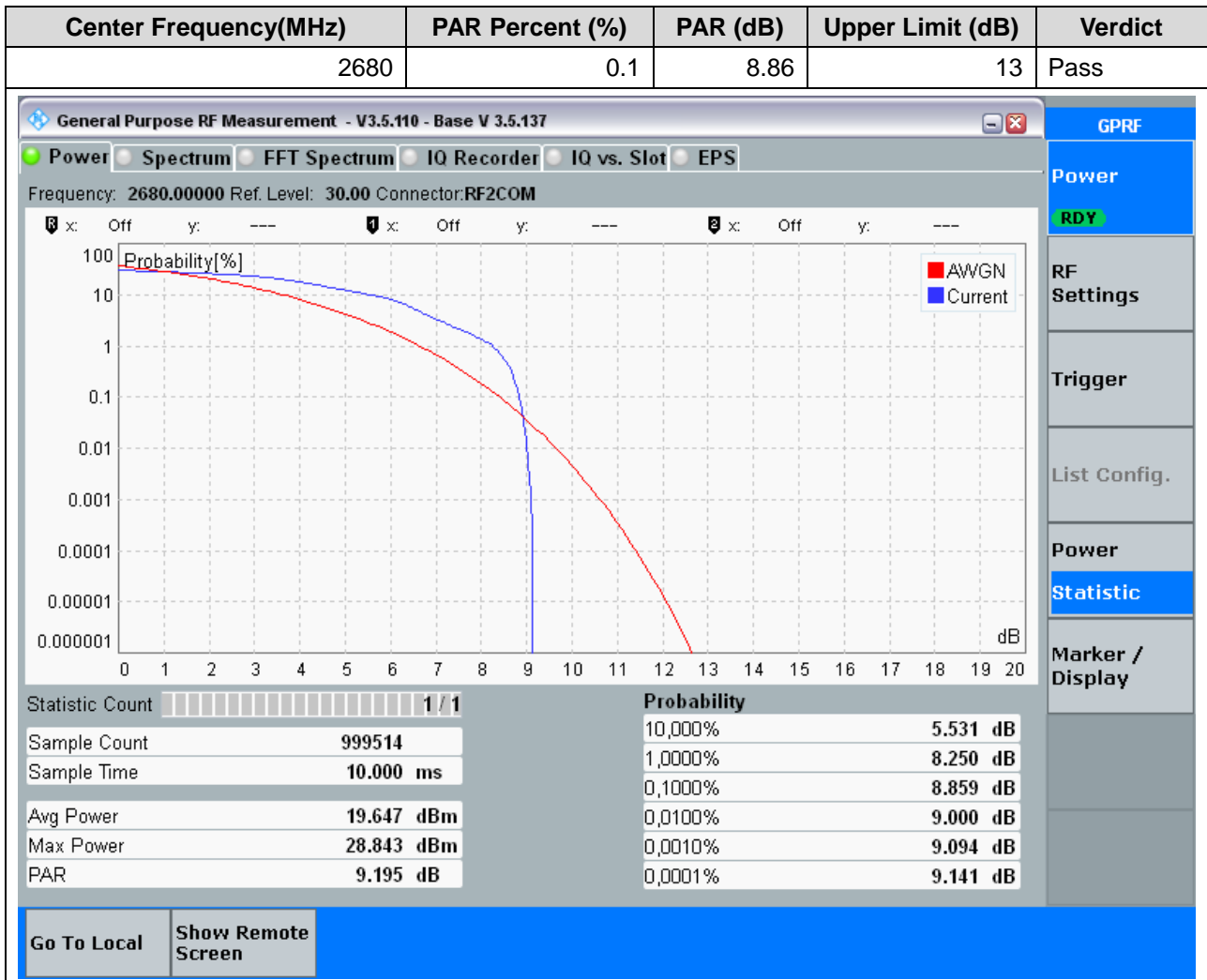


**9.10. LTE Peak to Average Ratio(NTNV)(Subtest:10, Channel:41490, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)**

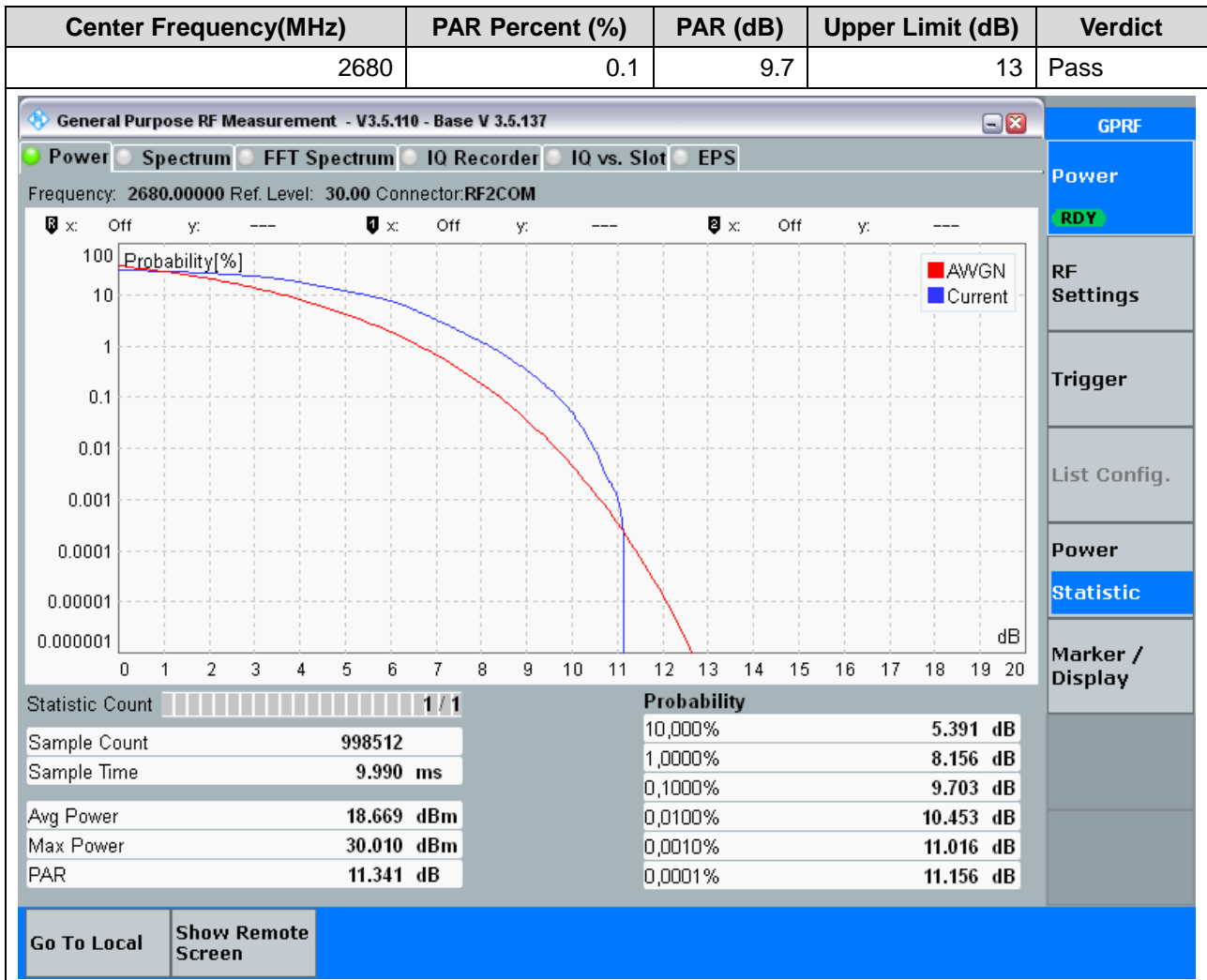




**9.11. LTE Peak to Average Ratio(NTNV)(Subtest:11, Channel:41490, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)**

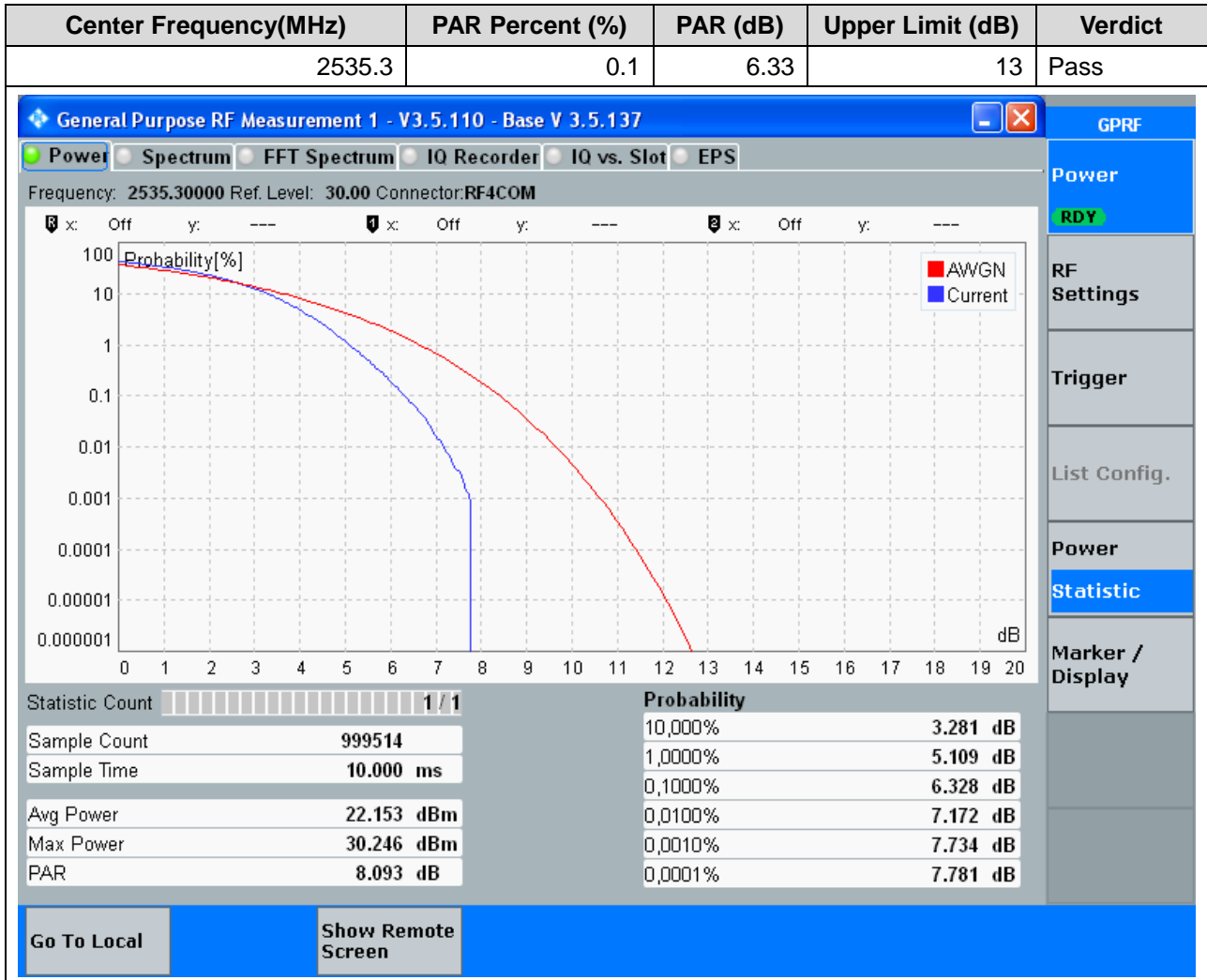


**9.12. LTE Peak to Average Ratio(NTNV)(Subtest:12, Channel:41490, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)**

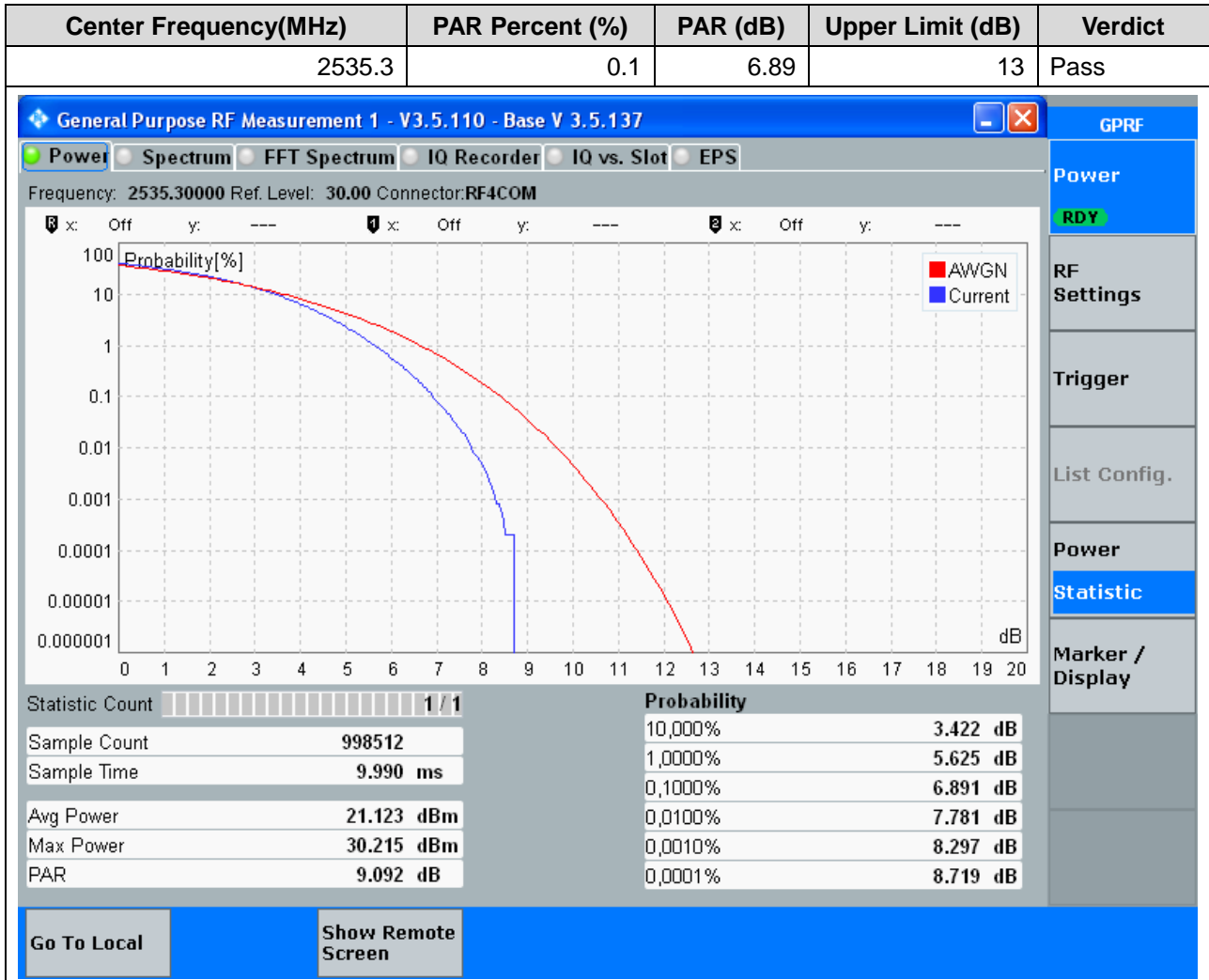


## 10. CA\_7C

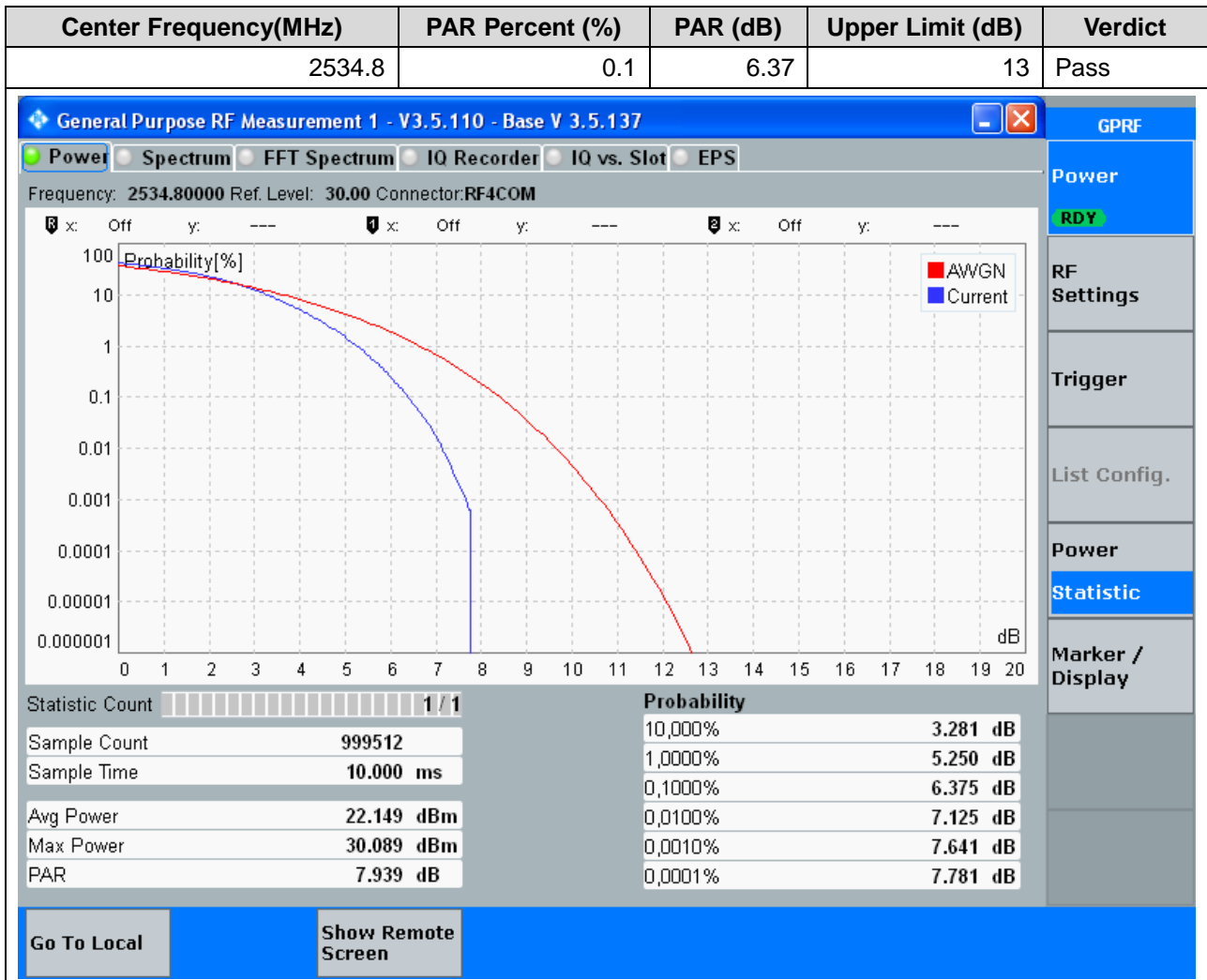
10.1. CA Peak to Average Ratio(NTNV)(Subtest:1, Channel:21006+21150, Bandwidth:10+20, Modulation:QPSK, RB Number:Full+Full, RB Position:Low+Low)



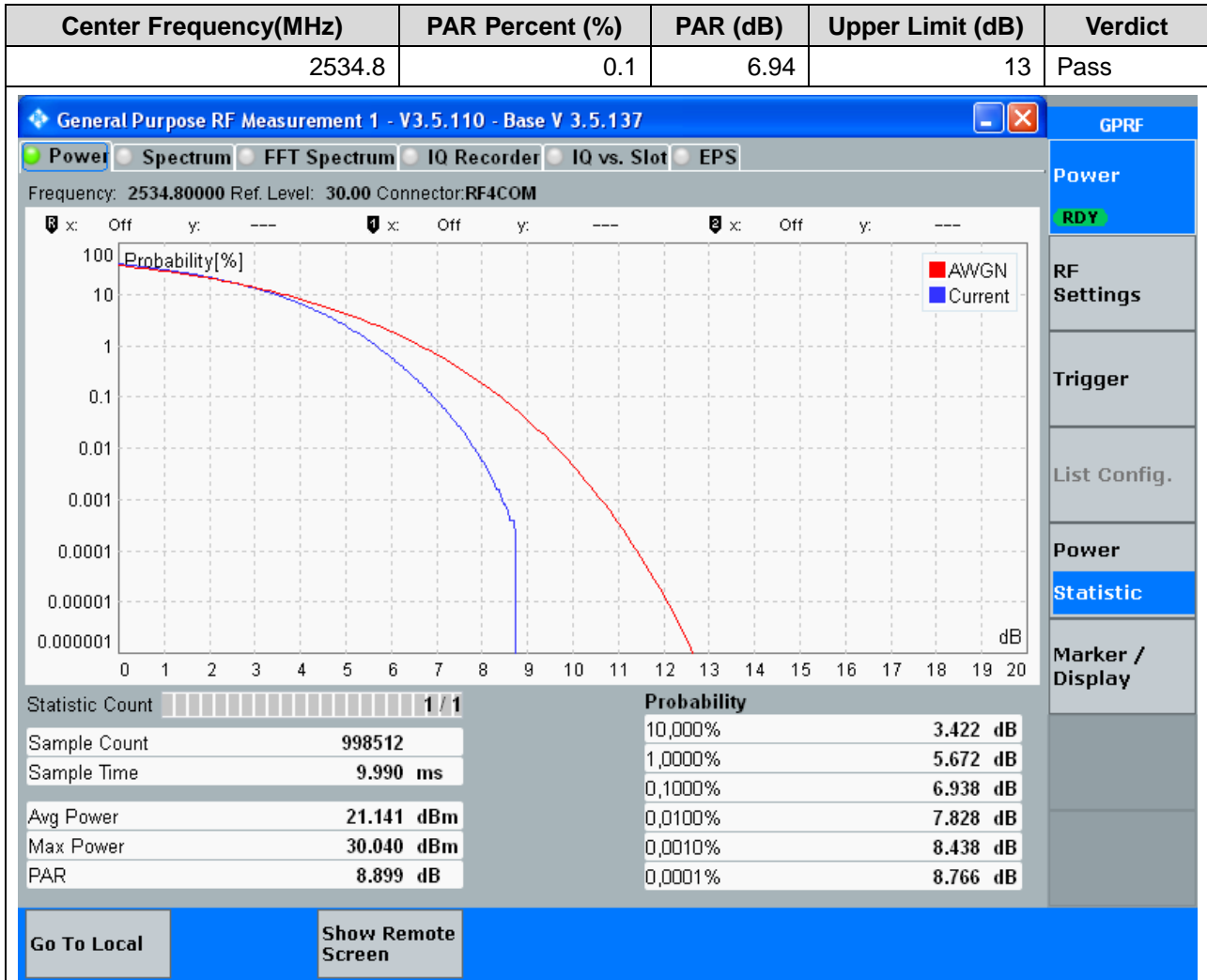
**10.2. CA Peak to Average Ratio(NTNV)(Subtest:2, Channel:21006+21150, Bandwidth:10+20, Modulation:16QAM, RB Number:Full+Full, RB Position:Low+Low)**



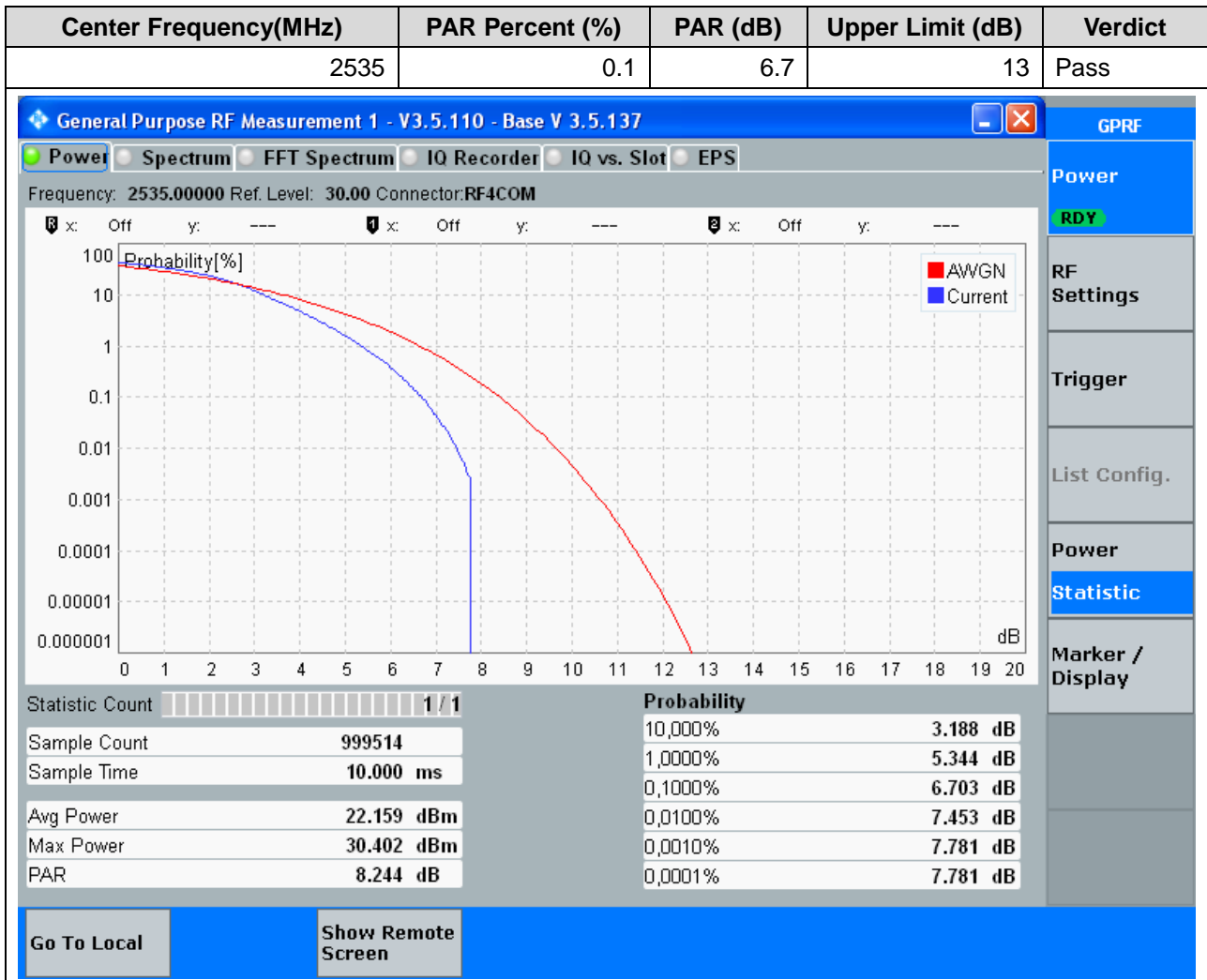
**10.3. CA Peak to Average Ratio(NTNV)(Subtest:3, Channel:21051+21195, Bandwidth:20+10, Modulation:QPSK, RB Number:Full+Full, RB Position:Low+Low)**



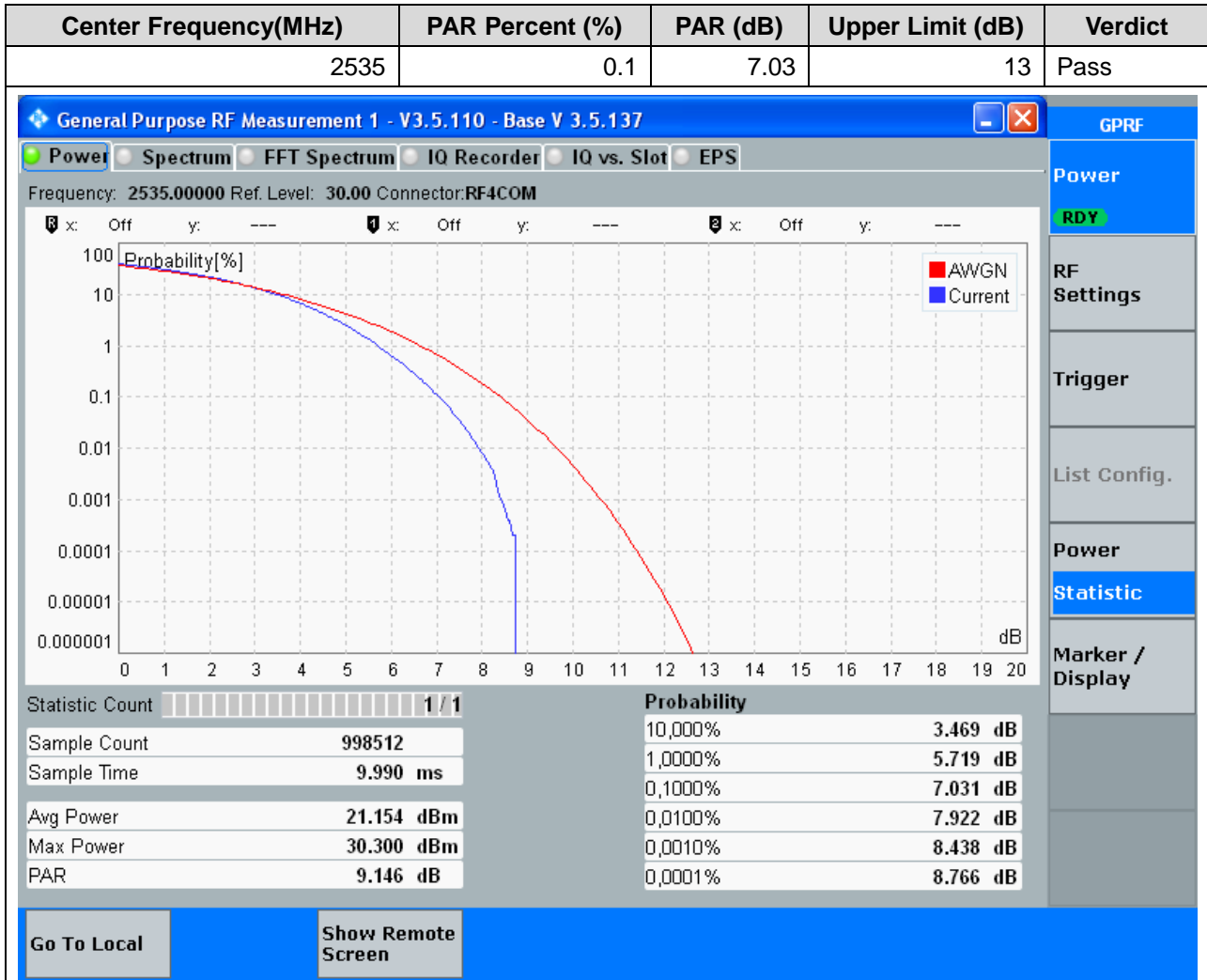
**10.4. CA Peak to Average Ratio(NTNV)(Subtest:4, Channel:21051+21195, Bandwidth:20+10, Modulation:16QAM, RB Number:Full+Full, RB Position:Low+Low)**



**10.5. CA Peak to Average Ratio(NTNV)(Subtest:5, Channel:21025+21175, Bandwidth:15+15, Modulation:QPSK, RB Number:Full+Full, RB Position:Low+Low)**

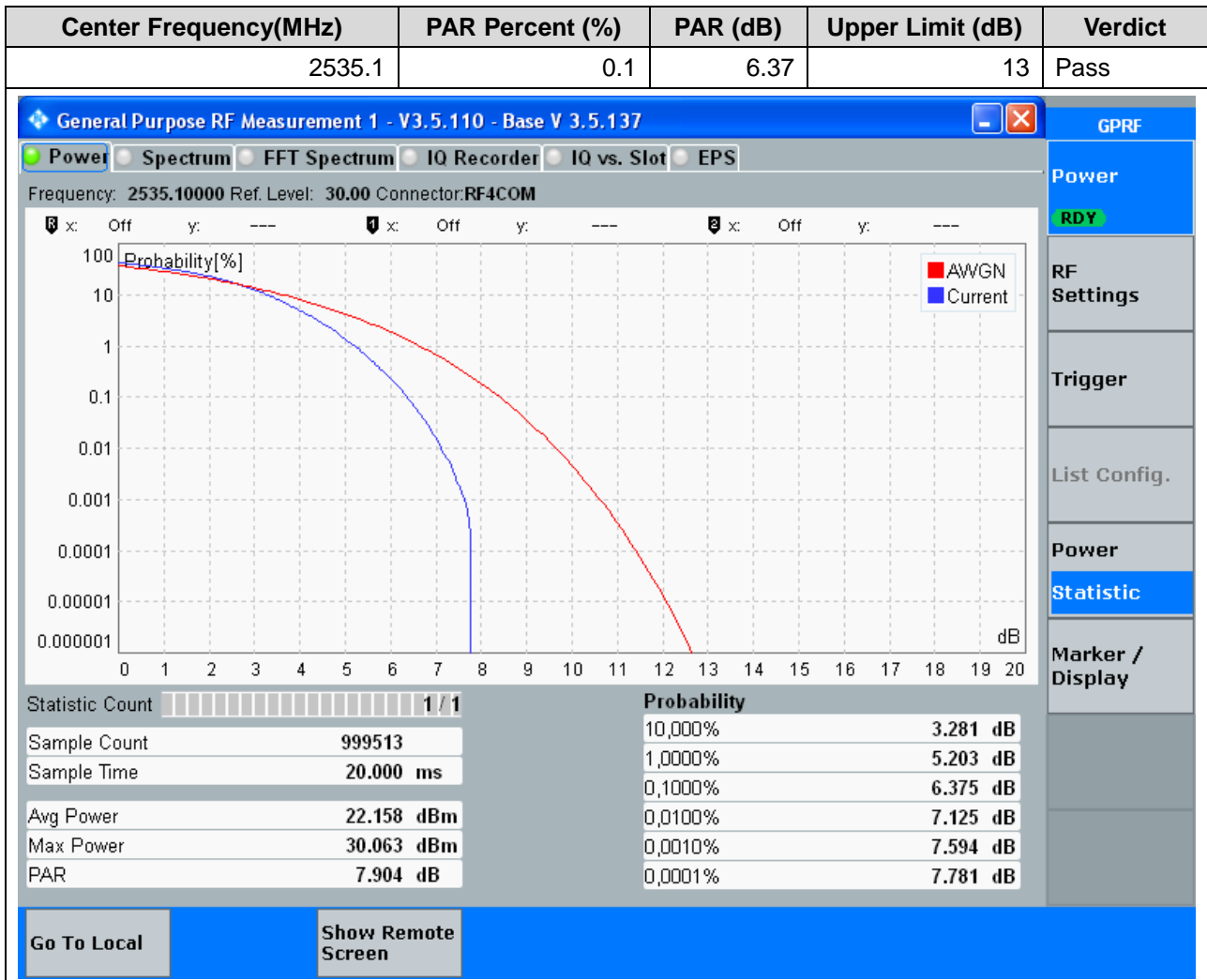


**10.6. CA Peak to Average Ratio(NTNV)(Subtest:6, Channel:21025+21175, Bandwidth:15+15, Modulation:16QAM, RB Number:Full+Full, RB Position:Low+Low)**



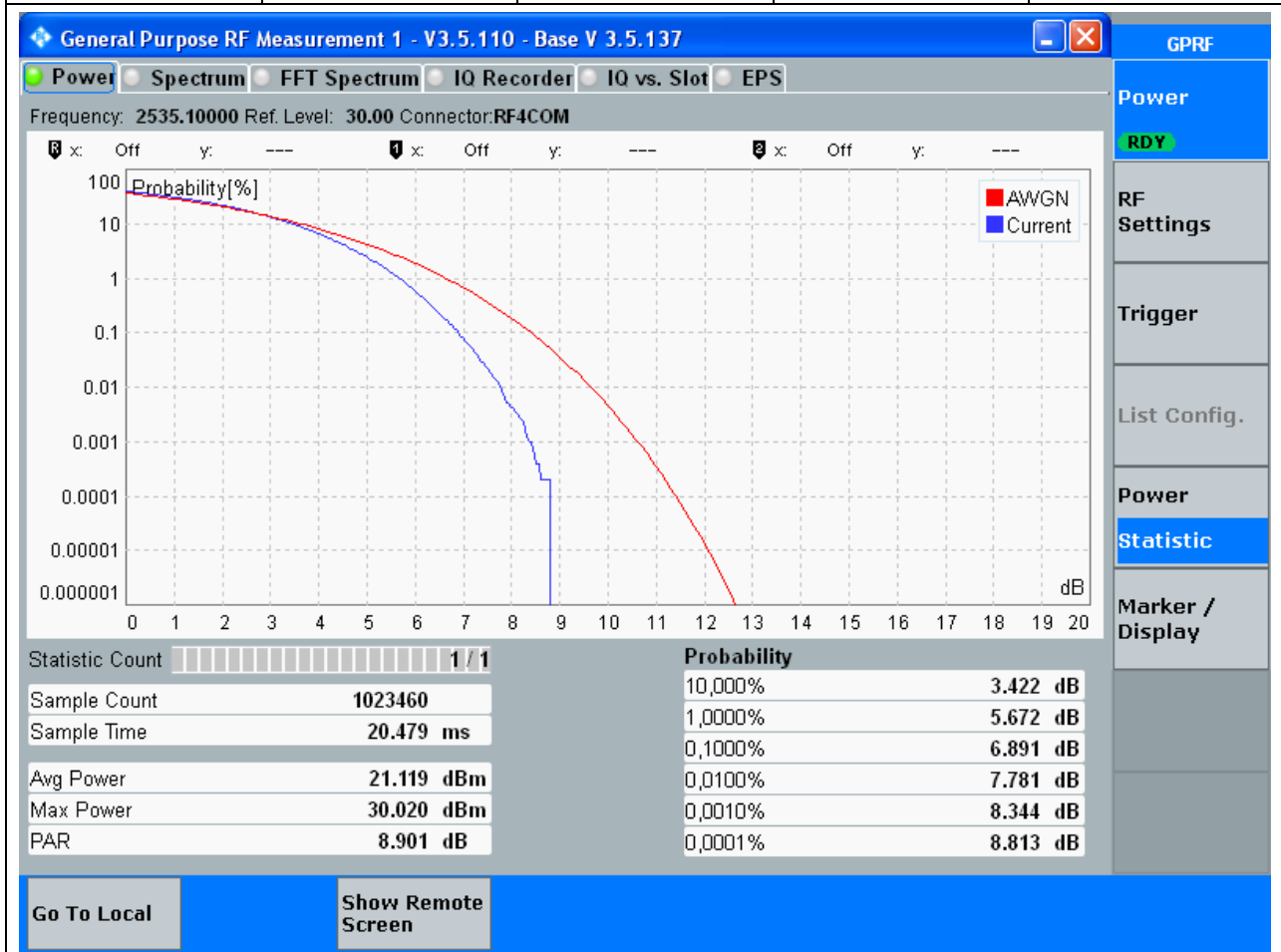


**10.7. CA Peak to Average Ratio(NTNV)(Subtest:7, Channel:21003+21174, Bandwidth:15+20, Modulation:QPSK, RB Number:Full+Full, RB Position:Low+Low)**



**10.8. CA Peak to Average Ratio(NTNV)(Subtest:8, Channel:21003+21174, Bandwidth:15+20, Modulation:16QAM, RB Number:Full+Full, RB Position:Low+Low)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2535.1	0.1	6.89	13	Pass



**10.9. CA Peak to Average Ratio(NTNV)(Subtest:9, Channel:21026+21197, Bandwidth:20+15, Modulation:QPSK, RB Number:Full+Full, RB Position:Low+Low)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2534.9	0.1	6.33	13	Pass

General Purpose RF Measurement 1 - V3.5.110 - Base V 3.5.137
[-] [X]

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

GPRF

Frequency: 2534.90000 Ref. Level: 30.00 Connector:RF4COM

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

Statistic Count	
Sample Count	999513
Sample Time	20.000 ms
Avg Power	22.136 dBm
Max Power	29.959 dBm
PAR	7.823 dB

Probability	
10,000%	3.281 dB
1,0000%	5.156 dB
0,1000%	6.328 dB
0,0100%	7.078 dB
0,0010%	7.453 dB
0,0001%	7.688 dB

Go To Local
Show Remote Screen

Power

RDY

RF Settings

Trigger

List Config.

Power

Statistic

Marker / Display

**10.10. CA Peak to Average Ratio(NTNV)(Subtest:10, Channel:21026+21197, Bandwidth:20+15, Modulation:16QAM, RB Number:Full+Full, RB Position:Low+Low)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2534.9	0.1	6.89	13	Pass

General Purpose RF Measurement 1 - V3.5.110 - Base V 3.5.137
GPRF

Power
Spectrum
FFT Spectrum
IQ Recorder
IQ vs. Slot
EPS

Frequency: 2534.90000 Ref. Level: 30.00 Connector:RF4COM

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

Statistic Count	
Sample Count	1023460
Sample Time	20.479 ms
Avg Power	21.112 dBm
Max Power	29.584 dBm
PAR	8.472 dB

Probability	
10,000%	3.469 dB
1,0000%	5.625 dB
0,1000%	6.891 dB
0,0100%	7.688 dB
0,0010%	8.203 dB
0,0001%	8.391 dB

Go To Local
Show Remote Screen

**10.11. CA Peak to Average Ratio(NTNV)(Subtest:11, Channel:21001+21199, Bandwidth:20+20, Modulation:QPSK, RB Number:Full+Full, RB Position:Low+Low)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2535	0.1	6.42	13	Pass

General Purpose RF Measurement 1 - V3.5.110 - Base V 3.5.137
GPRF

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

Frequency: 2535.00000 Ref. Level: 30.00 Connector:RF4COM

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

Statistic Count		Probability	
Sample Count	999512	10,000%	3.234 dB
Sample Time	20.000 ms	1,0000%	5.109 dB
		0,1000%	6.422 dB
Avg Power	22.105 dBm	0,0100%	7.219 dB
Max Power	29.971 dBm	0,0010%	7.594 dB
PAR	7.866 dB	0,0001%	7.734 dB

Go To Local
Show Remote Screen

GPRF

Power

RDY

RF Settings

Trigger

List Config.

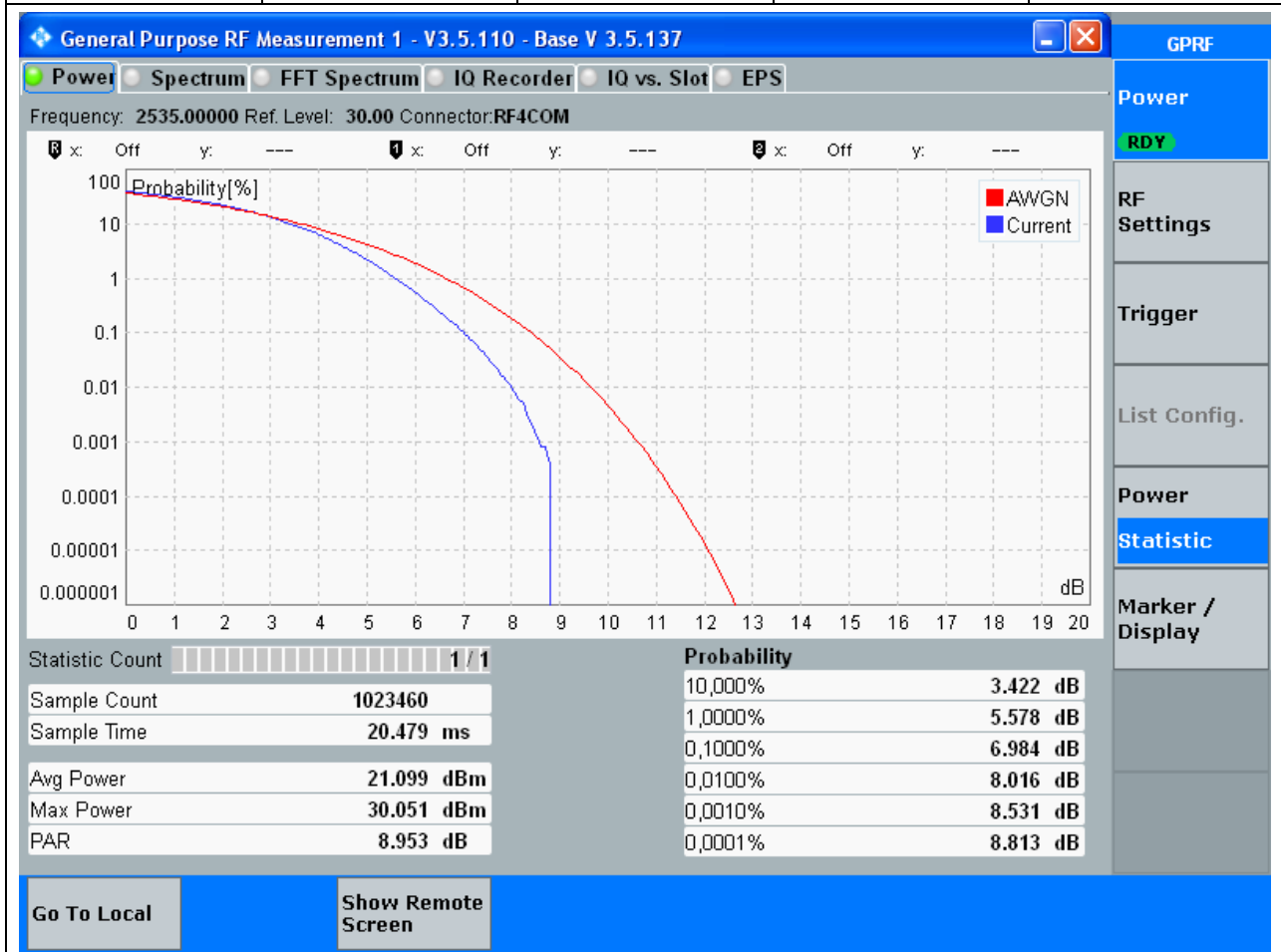
Power

Statistic

Marker / Display

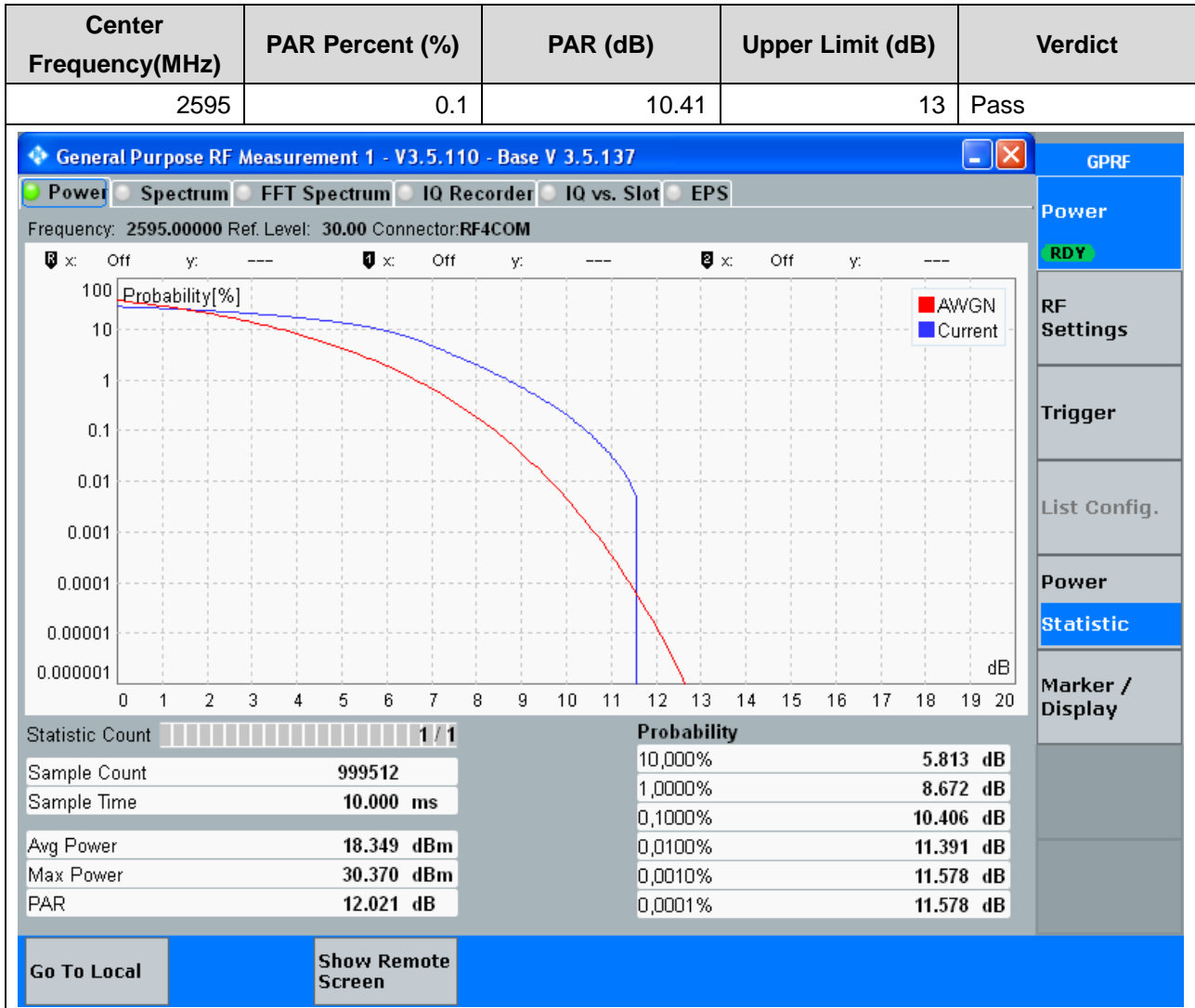
**10.12. CA Peak to Average Ratio(NTNV)(Subtest:12, Channel:21001+21199, Bandwidth:20+20, Modulation:16QAM, RB Number:Full+Full, RB Position:Low+Low)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2535	0.1	6.98	13	Pass



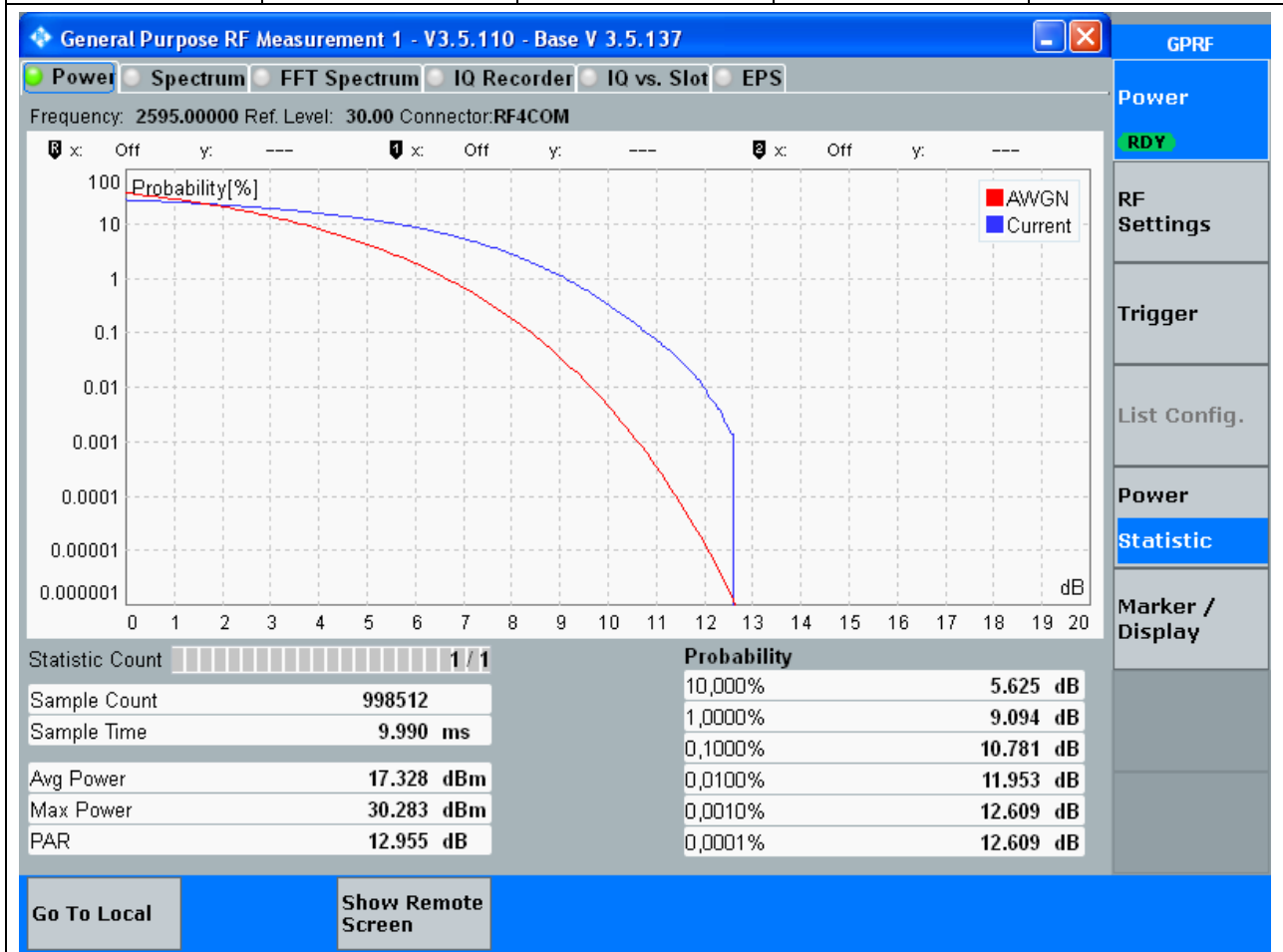
## 11. CA\_38C

11.1. CA Peak to Average Ratio(NTNV)(Subtest:1, Channel:37925+38075, Bandwidth:15+15, Modulation:QPSK, RB Number:Full+Full, RB Position:Low+Low)



**11.2. CA Peak to Average Ratio(NTNV)(Subtest:2, Channel:37925+38075, Bandwidth:15+15, Modulation:16QAM, RB Number:Full+Full, RB Position:Low+Low)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2595	0.1	10.78	13	Pass





**11.3. CA Peak to Average Ratio(NTNV)(Subtest:3, Channel:37901+38099, Bandwidth:20+20, Modulation:QPSK, RB Number:Full+Full, RB Position:Low+Low)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2595	0.1	10.31	13	Pass

General Purpose RF Measurement 1 - V3.5.110 - Base V 3.5.137
GPRF

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

Frequency: 2595.00000 Ref. Level: 30.00 Connector:RF4COM

Statistic Count		Probability	
Sample Count	999513	10,000%	5.859 dB
Sample Time	20.000 ms	1,0000%	8.578 dB
Avg Power	18.265 dBm	0,1000%	10.313 dB
Max Power	30.342 dBm	0,0010%	11.672 dB
PAR	12.077 dB	0,0001%	11.672 dB

Go To Local
Show Remote Screen

Power

RDY

RF Settings

Trigger

List Config.

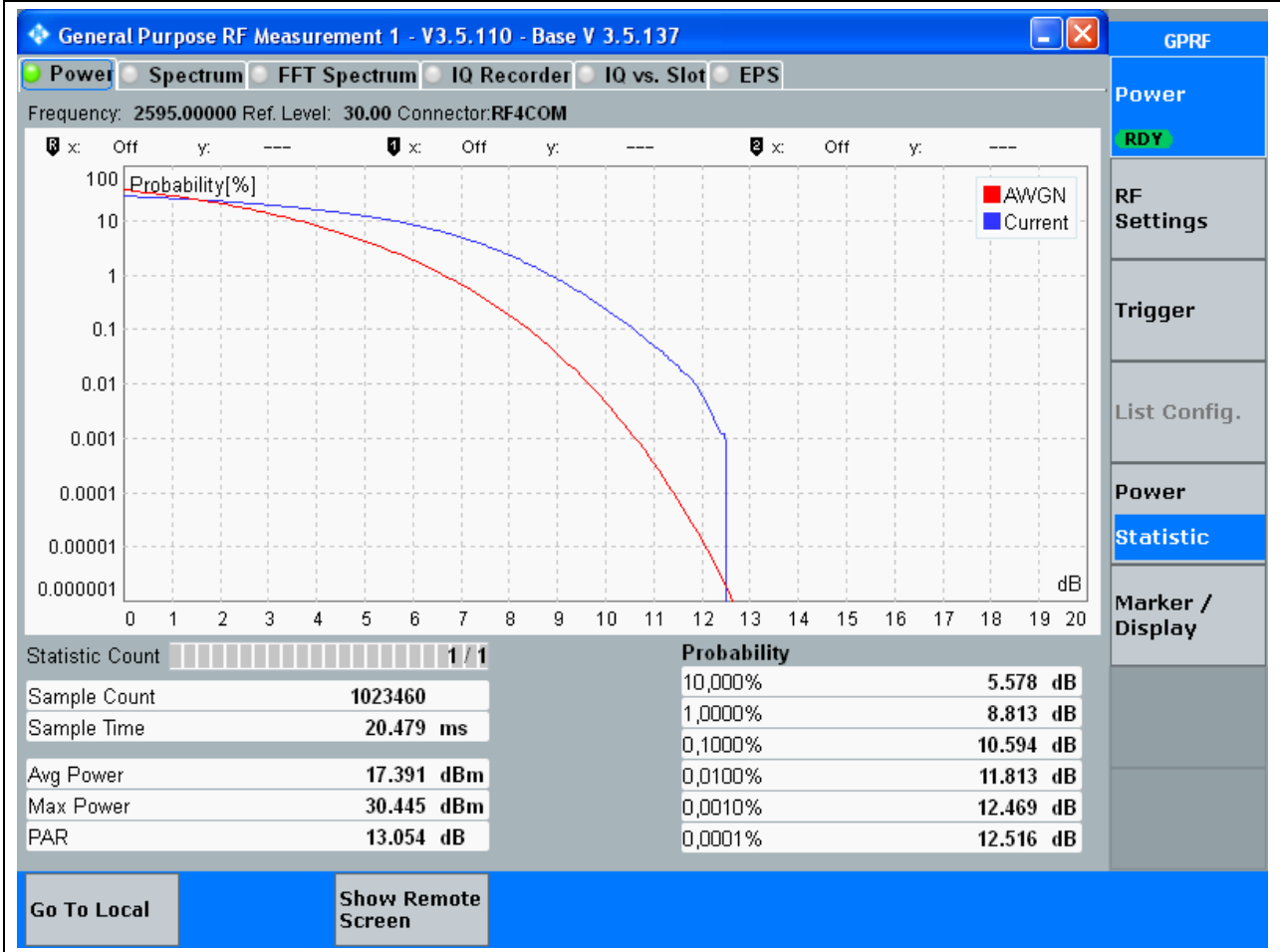
Power

Statistic

Marker / Display

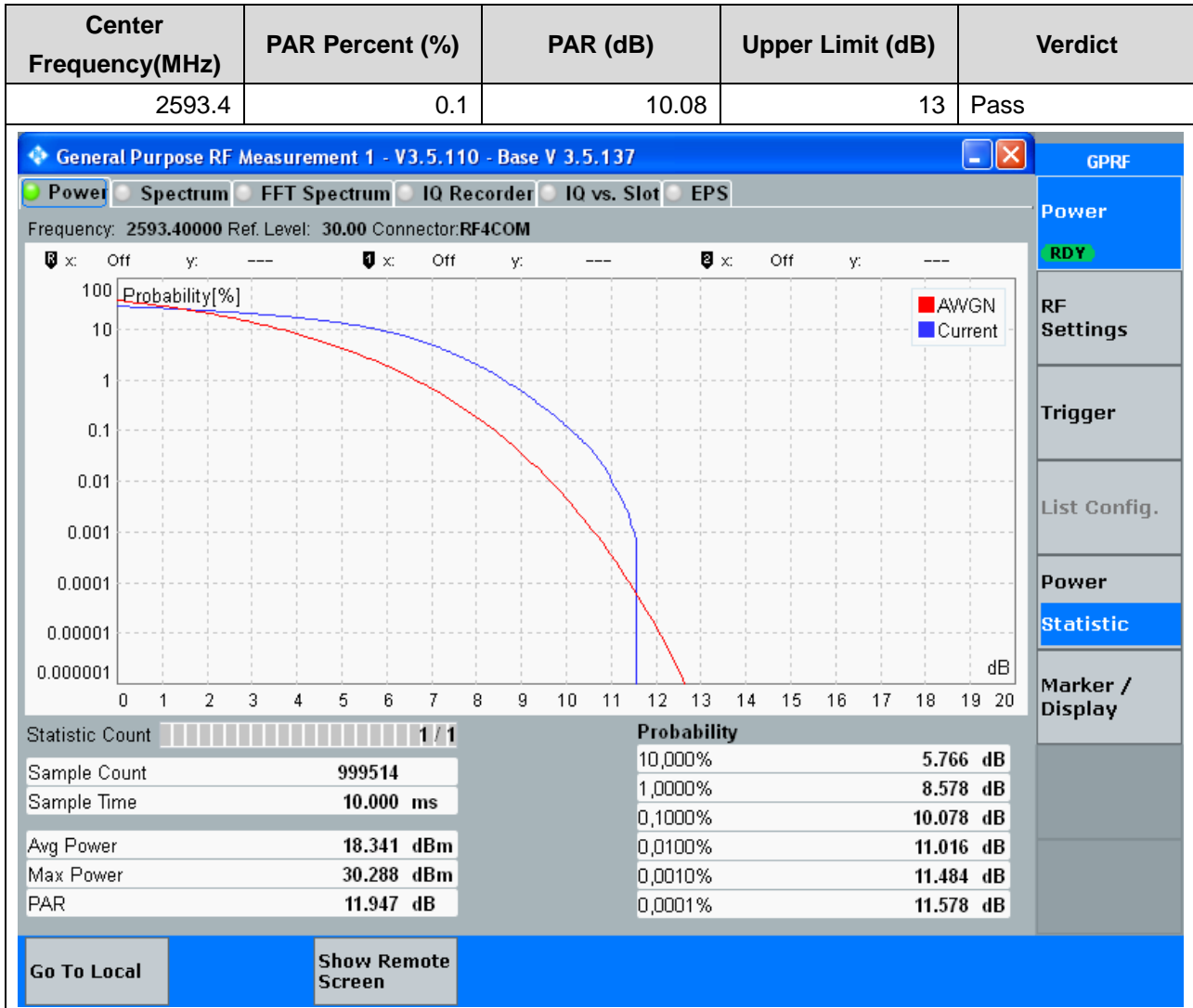
**11.4. CA Peak to Average Ratio(NTNV)(Subtest:4, Channel:37901+38099, Bandwidth:20+20, Modulation:16QAM, RB Number:Full+Full, RB Position:Low+Low)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2595	0.1	10.59	13	Pass



## 12. CA\_41C\_full

12.1. CA Peak to Average Ratio(NTNV)(Subtest:1, Channel:40528+40645, Bandwidth:5+20, Modulation:QPSK, RB Number:Full+Full, RB Position:Low+Low)



**12.2. CA Peak to Average Ratio(NTNV)(Subtest:2, Channel:40528+40645, Bandwidth:5+20, Modulation:16QAM, RB Number:Full+Full, RB Position:Low+Low)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2593.4	0.1	10.64	13	Pass

General Purpose RF Measurement 1 - V3.5.110 - Base V 3.5.137
[-] [X]

Power
Spectrum
FFT Spectrum
IQ Recorder
IQ vs. Slot
EPS

GPRF

Frequency: 2593.40000 Ref. Level: 30.00 Connector:RF4COM

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

Statistic Count	
Sample Count	998512
Sample Time	9.990 ms
Avg Power	17.324 dBm
Max Power	30.340 dBm
PAR	13.016 dB

Probability	
10,000%	5.625 dB
1,0000%	9.000 dB
0,1000%	10.641 dB
0,0100%	11.766 dB
0,0010%	12.469 dB
0,0001%	12.609 dB

Go To Local
Show Remote Screen

GPRF

Power

RDY

RF Settings

Trigger

List Config.

Power

Statistic

Marker / Display

**12.3. CA Peak to Average Ratio(NTNV)(Subtest:3, Channel:40595+40712, Bandwidth:20+5, Modulation:QPSK, RB Number:Full+Full, RB Position:Low+Low)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2592.6	0.1	10.17	13	Pass

**General Purpose RF Measurement 1 - V3.5.110 - Base V 3.5.137**

Power Spectrum FFT Spectrum IQ Recorder IQ vs. Slot EPS

Frequency: 2592.60000 Ref. Level: 30.00 Connector:RF4COM

Statistic Count	1 / 1	Probability	
Sample Count	999512	10,000%	5.719 dB
Sample Time	10.000 ms	1,0000%	8.672 dB
Avg Power	18.284 dBm	0,1000%	10.172 dB
Max Power	30.230 dBm	0,0010%	11.531 dB
PAR	11.946 dB	0,0001%	11.625 dB

Go To Local Show Remote Screen

**12.4. CA Peak to Average Ratio(NTNV)(Subtest:4, Channel:40595+40712, Bandwidth:20+5, Modulation:16QAM, RB Number:Full+Full, RB Position:Low+Low)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2592.6	0.1	10.73	13	Pass

General Purpose RF Measurement 1 - V3.5.110 - Base V 3.5.137
GPRF

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

Frequency: 2592.60000 Ref. Level: 30.00 Connector:RF4COM

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

Statistic Count	Value
Sample Count	998512
Sample Time	9.990 ms
Avg Power	17.321 dBm
Max Power	30.093 dBm
PAR	12.772 dB

Probability	Value
10,000%	5.578 dB
1,0000%	9.047 dB
0,1000%	10.734 dB
0,0100%	11.813 dB
0,0010%	12.422 dB
0,0001%	12.609 dB

Go To Local
Show Remote Screen

GPRF

Power

RDY

RF Settings

Trigger

List Config.

Power

Statistic

Marker / Display

**12.5. CA Peak to Average Ratio(NTNV)(Subtest:5, Channel:40526+40670, Bandwidth:10+20, Modulation:QPSK, RB Number:Full+Full, RB Position:Low+Low)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2593.3	0.1	10.12	13	Pass

General Purpose RF Measurement 1 - V3.5.110 - Base V 3.5.137
GPRF

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

Frequency: 2593.30000 Ref. Level: 30.00 Connector:RF4COM

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

Statistic Count		Probability	
Sample Count	999512	10,000%	5.766 dB
Sample Time	10.000 ms	1,0000%	8.578 dB
Avg Power	18.310 dBm	0,1000%	10.125 dB
Max Power	30.206 dBm	0,0010%	11.625 dB
PAR	11.896 dB	0,0001%	11.625 dB

Go To Local
Show Remote Screen

GPRF

Power

RDY

RF Settings

Trigger

List Config.

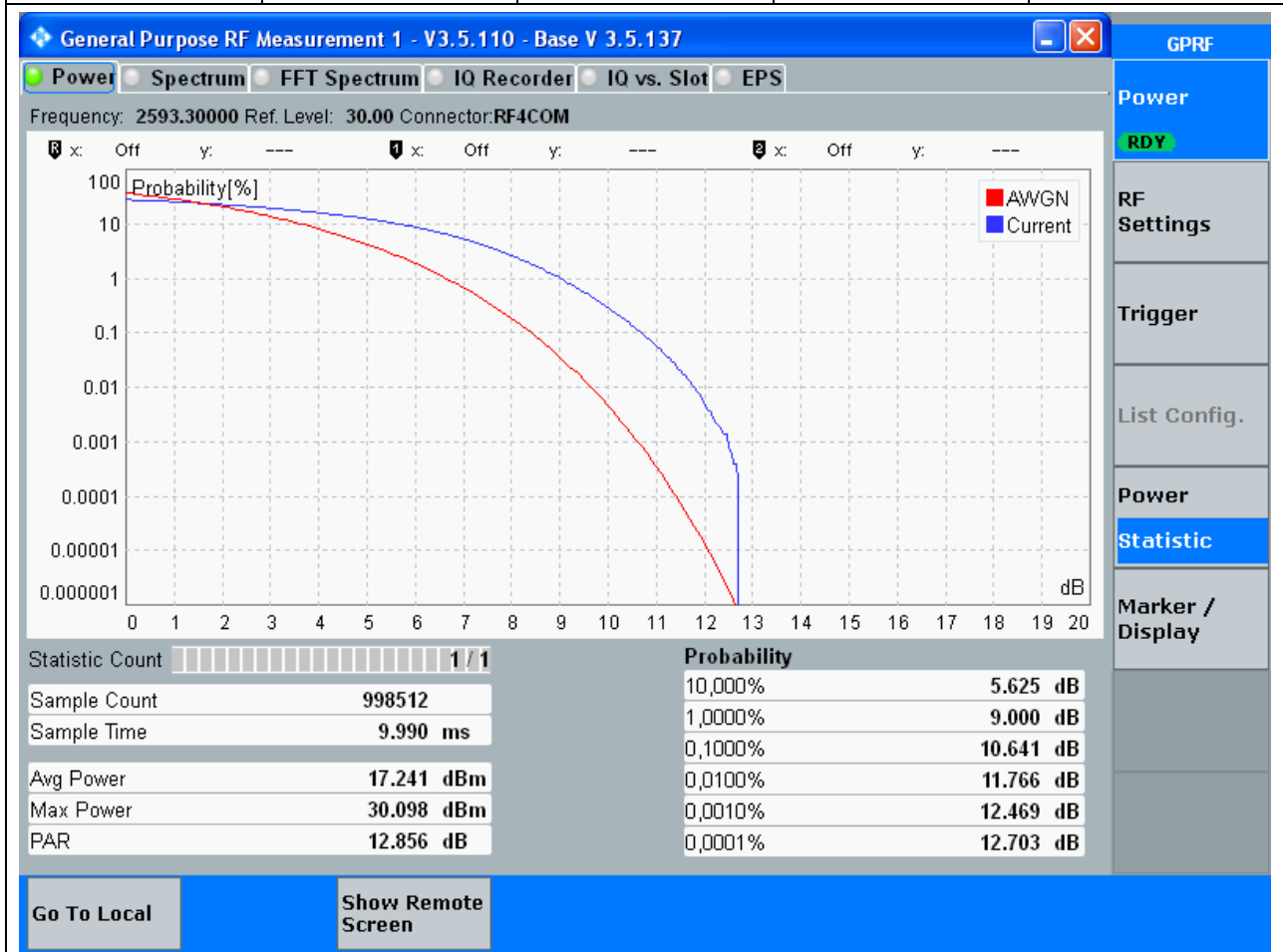
Power

Statistic

Marker / Display

**12.6. CA Peak to Average Ratio(NTNV)(Subtest:6, Channel:40526+40670, Bandwidth:10+20, Modulation:16QAM, RB Number:Full+Full, RB Position:Low+Low)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2593.3	0.1	10.64	13	Pass





**12.7. CA Peak to Average Ratio(NTNV)(Subtest:7, Channel:40571+40715, Bandwidth:20+10, Modulation:QPSK, RB Number:Full+Full, RB Position:Low+Low)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2592.8	0.1	10.22	13	Pass

General Purpose RF Measurement 1 - V3.5.110 - Base V 3.5.137
GPRF

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

Frequency: 2592.80000 Ref. Level: 30.00 Connector:RF4COM

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

Statistic Count	Value
Sample Count	999512
Sample Time	10.000 ms
Avg Power	18.277 dBm
Max Power	30.553 dBm
PAR	12.275 dB

Probability	Value
10,000%	5.719 dB
1,0000%	8.719 dB
0,1000%	10.219 dB
0,0100%	11.203 dB
0,0010%	11.625 dB
0,0001%	11.672 dB

Go To Local
Show Remote Screen

Power

RDY

RF Settings

Trigger

List Config.

Power

Statistic

Marker / Display

**12.8. CA Peak to Average Ratio(NTNV)(Subtest:8, Channel:40571+40715, Bandwidth:20+10, Modulation:16QAM, RB Number:Full+Full, RB Position:Low+Low)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2592.8	0.1	10.73	13	Pass

General Purpose RF Measurement 1 - V3.5.110 - Base V 3.5.137
GPRF

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

Frequency: 2592.80000 Ref. Level: 30.00 Connector:RF4COM

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

Statistic Count	
Sample Count	998512
Sample Time	9.990 ms
Avg Power	17.255 dBm
Max Power	30.150 dBm
PAR	12.895 dB

Probability	
10,000%	5.531 dB
1,0000%	9.047 dB
0,1000%	10.734 dB
0,0100%	11.813 dB
0,0010%	12.516 dB
0,0001%	12.656 dB

Go To Local
Show Remote Screen

**12.9. CA Peak to Average Ratio(NTNV)(Subtest:9, Channel:40545+40695, Bandwidth:15+15, Modulation:QPSK, RB Number:Full+Full, RB Position:Low+Low)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2593	0.1	10.41	13	Pass

General Purpose RF Measurement 1 - V3.5.110 - Base V 3.5.137
GPRF

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

Frequency: 2593.00000 Ref. Level: 30.00 Connector:RF4COM

Statistic Count		Probability	
Sample Count	999514	10,000%	5.766 dB
Sample Time	10.000 ms	1,0000%	8.672 dB
Avg Power	18.288 dBm	0,1000%	10.406 dB
Max Power	30.360 dBm	0,0010%	11.625 dB
PAR	12.072 dB	0,0001%	11.625 dB

Go To Local
Show Remote Screen

GPRF

Power

RDY

RF Settings

Trigger

List Config.

Power

Statistic

Marker / Display

**12.10. CA Peak to Average Ratio(NTNV)(Subtest:10, Channel:40545+40695, Bandwidth:15+15, Modulation:16QAM, RB Number:Full+Full, RB Position:Low+Low)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2593	0.1	10.78	13	Pass

General Purpose RF Measurement 1 - V3.5.110 - Base V 3.5.137
GPRF

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

Frequency: 2593.00000 Ref. Level: 30.00 Connector:RF4COM

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

Statistic Count	
Sample Count	998512
Sample Time	9.990 ms
Avg Power	17.304 dBm
Max Power	30.237 dBm
PAR	12.933 dB

Probability	
10,000%	5.578 dB
1,0000%	9.094 dB
0,1000%	10.781 dB
0,0100%	12.000 dB
0,0010%	12.609 dB
0,0001%	12.609 dB

Go To Local
Show Remote Screen

**12.11. CA Peak to Average Ratio(NTNV)(Subtest:11, Channel:40523+40694, Bandwidth:15+20, Modulation:QPSK, RB Number:Full+Full, RB Position:Low+Low)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2593.1	0.1	10.22	13	Pass

General Purpose RF Measurement 1 - V3.5.110 - Base V 3.5.137
GPRF

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

Frequency: 2593.10000 Ref. Level: 30.00 Connector:RF4COM

Statistic Count	
Sample Count	999513
Sample Time	20.000 ms
Avg Power	18.310 dBm
Max Power	30.309 dBm
PAR	12.000 dB

Probability	
10,000%	5.766 dB
1,0000%	8.672 dB
0,1000%	10.219 dB
0,0100%	11.156 dB
0,0010%	11.625 dB
0,0001%	11.625 dB

Go To Local
Show Remote Screen

GPRF

Power

RDY

RF Settings

Trigger

List Config.

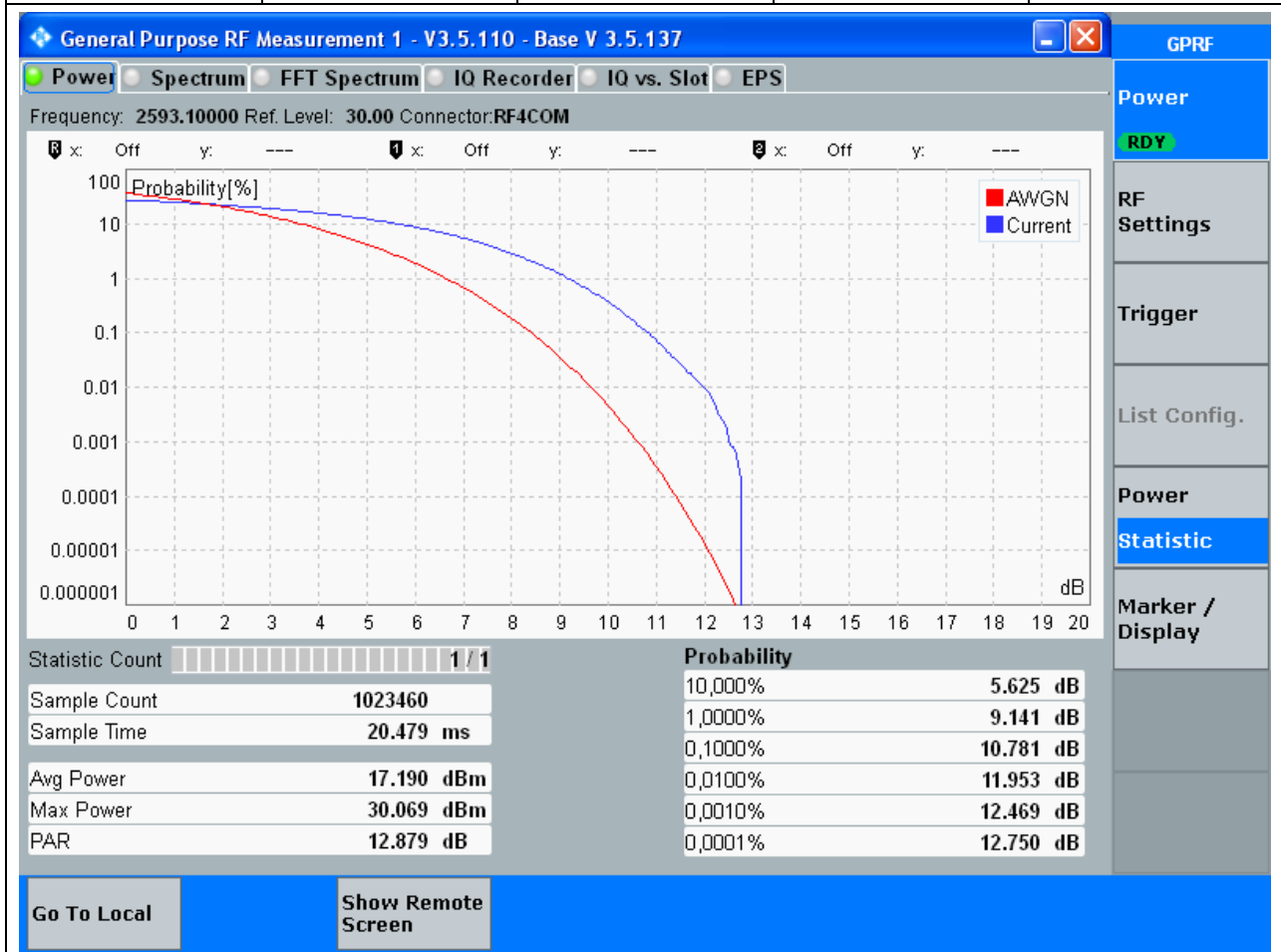
Power

Statistic

Marker / Display

**12.12. CA Peak to Average Ratio(NTNV)(Subtest:12, Channel:40523+40694, Bandwidth:15+20, Modulation:16QAM, RB Number:Full+Full, RB Position:Low+Low)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2593.1	0.1	10.78	13	Pass



**12.13. CA Peak to Average Ratio(NTNV)(Subtest:13, Channel:40546+40717, Bandwidth:20+15, Modulation:QPSK, RB Number:Full+Full, RB Position:Low+Low)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2592.9	0.1	10.22	13	Pass

General Purpose RF Measurement 1 - V3.5.110 - Base V 3.5.137
[-] [X]

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

GPRF

Frequency: 2592.90000 Ref. Level: 30.00 Connector:RF4COM

Power  
RDY

Statistics Count: 1 / 1

RF Settings

Statistic		Probability	
Sample Count	999512	10,000%	5.766 dB
Sample Time	20.000 ms	1,0000%	8.672 dB
Avg Power	18.281 dBm	0,1000%	10.219 dB
Max Power	30.208 dBm	0,0010%	11.625 dB
PAR	11.927 dB	0,0001%	11.672 dB

Trigger

Go To Local
Show Remote Screen

List Config.

Statistic

Power

Marker / Display

Power

**12.14. CA Peak to Average Ratio(NTNV)(Subtest:14, Channel:40546+40717, Bandwidth:20+15, 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	10.59	13	Pass

General Purpose RF Measurement 1 - V3.5.110 - Base V 3.5.137
GPRF

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

Frequency: 2592.90000 Ref. Level: 30.00 Connector:RF4COM
RDY

x: Off y: --- x: Off y: --- x: Off y: ---
RF Settings

Trigger

Statistic Count 1 / 1
List Config.

Sample Count	1023460
Sample Time	20.479 ms
Avg Power	17.438 dBm
Max Power	30.150 dBm
PAR	12.713 dB

Probability	
10,000%	5.531 dB
1,0000%	8.906 dB
0,1000%	10.594 dB
0,0100%	11.625 dB
0,0010%	12.141 dB
0,0001%	12.469 dB

Power

Go To Local
Show Remote Screen
Statistic

Marker / Display



**12.15. CA Peak to Average Ratio(NTNV)(Subtest:15, Channel:40521+40719, Bandwidth:20+20, Modulation:QPSK, RB Number:Full+Full, RB Position:Low+Low)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2593	0.1	10.31	13	Pass

General Purpose RF Measurement 1 - V3.5.110 - Base V 3.5.137
GPRF

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

Frequency: 2593.00000 Ref. Level: 30.00 Connector:RF4COM

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

Statistic Count		Probability	
Sample Count	999512	10,000%	5.813 dB
Sample Time	20.000 ms	1,0000%	8.578 dB
Avg Power	18.305 dBm	0,1000%	10.313 dB
Max Power	30.649 dBm	0,0010%	11.625 dB
PAR	12.344 dB	0,0001%	11.625 dB

Go To Local
Show Remote Screen

Power

RDY

RF Settings

Trigger

List Config.

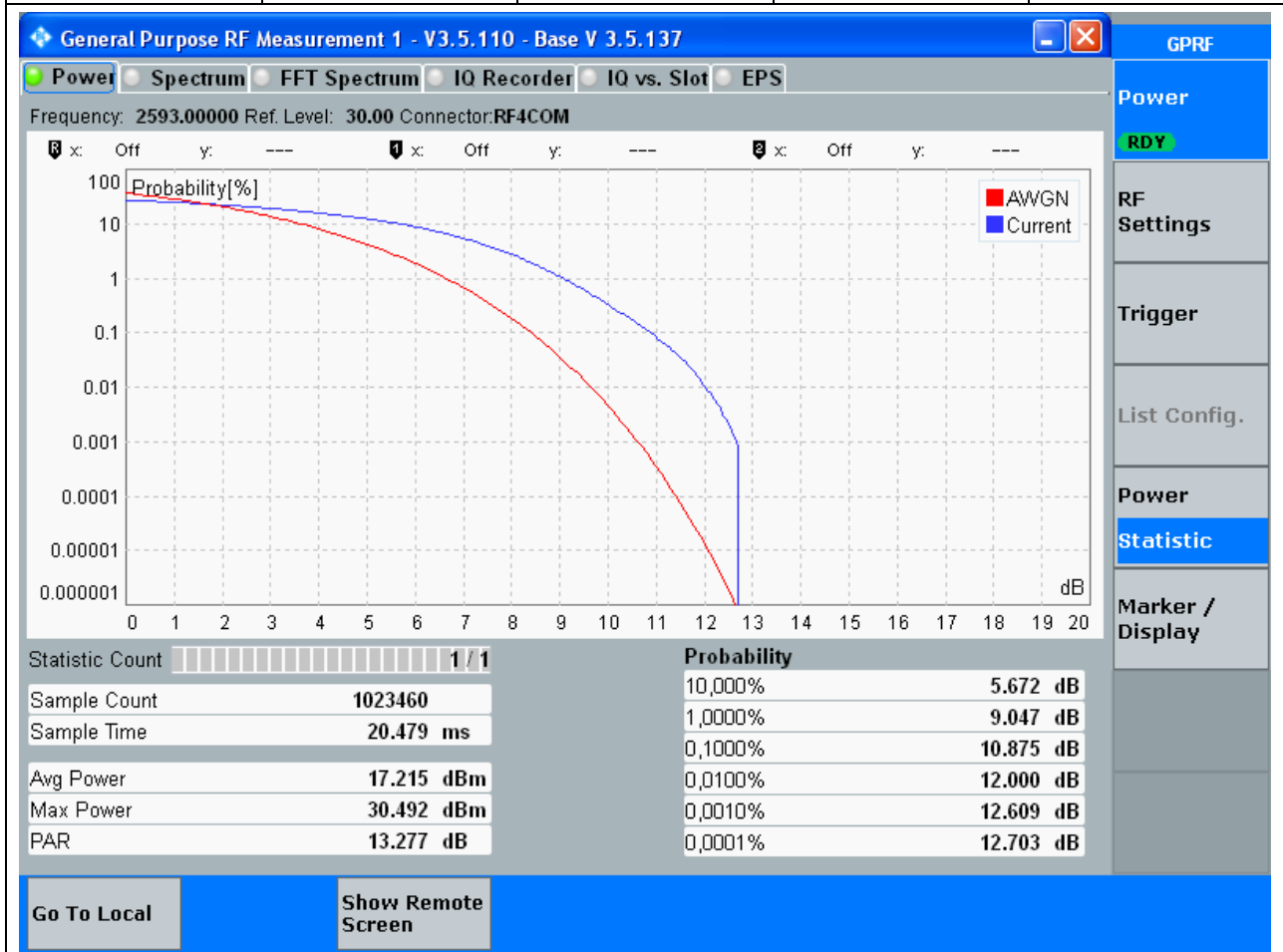
Power

Statistic

Marker / Display

**12.16. CA Peak to Average Ratio(NTNV)(Subtest:16, Channel:40521+40719, Bandwidth:20+20, Modulation:16QAM, RB Number:Full+Full, RB Position:Low+Low)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2593	0.1	10.87	13	Pass



END