

## **Annex 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	2.81	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%	1.594 dB
Sample Time	40.000 ms	1,0000%	2.391 dB
Avg Power	23.003 dBm	0,1000%	2.813 dB
Max Power	26.202 dBm	0,0010%	3.141 dB
PAR	3.199 dB	0,0001%	3.141 dB

Go To Local Show Remote Screen

## 1.2. 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**

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

Statistic Count	1 / 1	<b>Probability</b>
Sample Count	1023252	10,000%      1.641 dB
Sample Time	40.950 ms	1,0000%      2.531 dB
Avg Power	23.077 dBm	0,1000%      3.000 dB
Max Power	26.623 dBm	0,0100%      3.234 dB
PAR	3.545 dB	0,0010%      3.375 dB
		0,0001%      3.469 dB

Go To Local
Show Remote Screen

Power

RDY

RF Settings

Trigger

List Config.

Power

Statistic

Marker / Display

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

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1907.6	0.1	2.72	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: ---

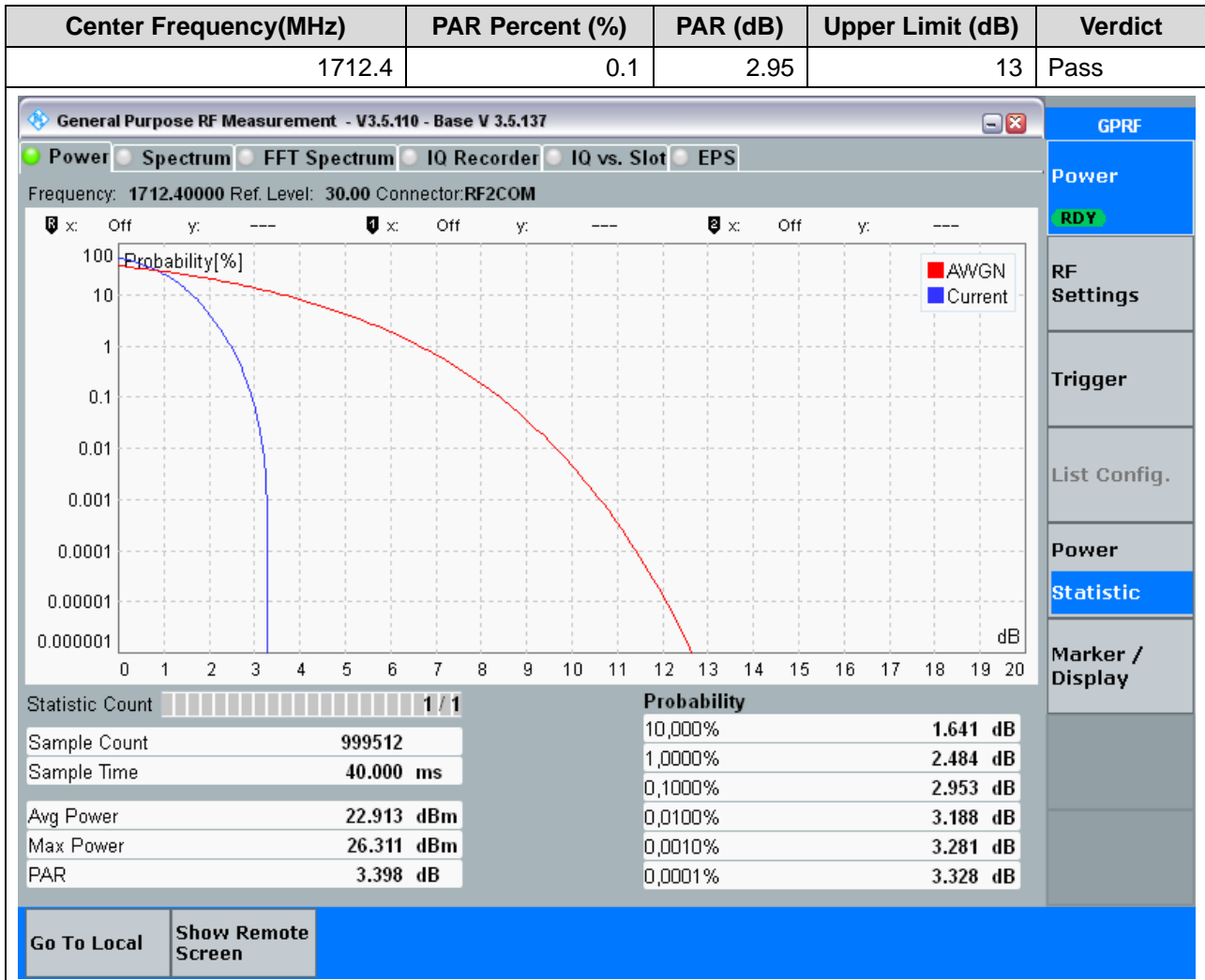
Statistic Count <span style="float: right;">1 / 1</span>		<b>Probability</b>	
Sample Count	999512	10,000%	1.547 dB
Sample Time	40.000 ms	1,0000%	2.297 dB
Avg Power	22.984 dBm	0,1000%	2.719 dB
Max Power	26.103 dBm	0,0100%	2.906 dB
PAR	3.119 dB	0,0010%	3.000 dB
		0,0001%	3.047 dB

Go To Local
Show Remote Screen

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

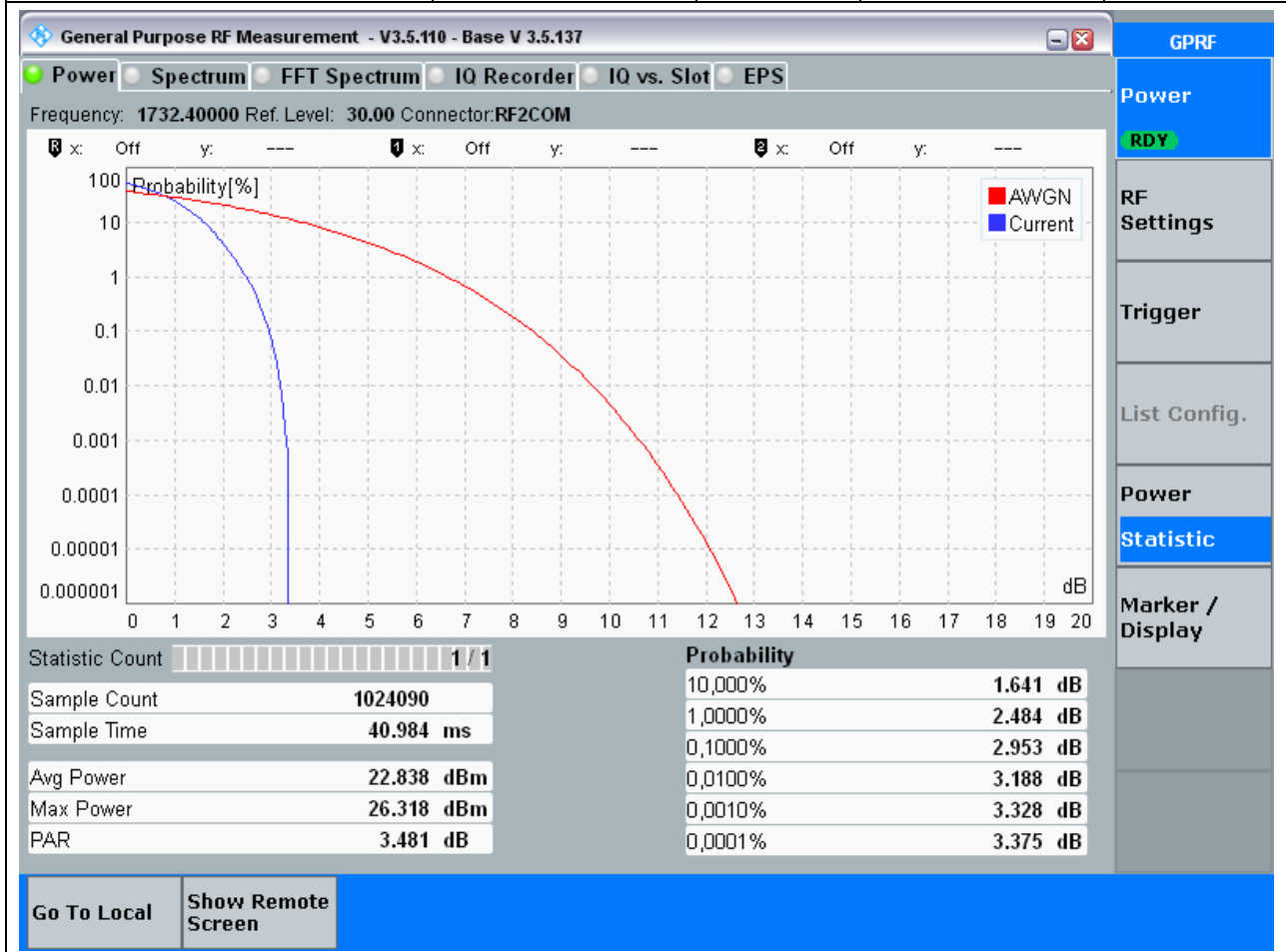
## 2. WCDMA\_Band4

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



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

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1732.4	0.1	2.95	13	Pass



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

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1752.6	0.1	2.95	13	Pass

**General Purpose RF Measurement - V3.5.110 - Base V 3.5.137**  
 Frequency: 1752.60000 Ref. Level: 30.00 Connector:RF2COM

GPRF  
**Power**  
 RDY

Power Spectrum FFT Spectrum IQ Recorder IQ vs. Slot EPS

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

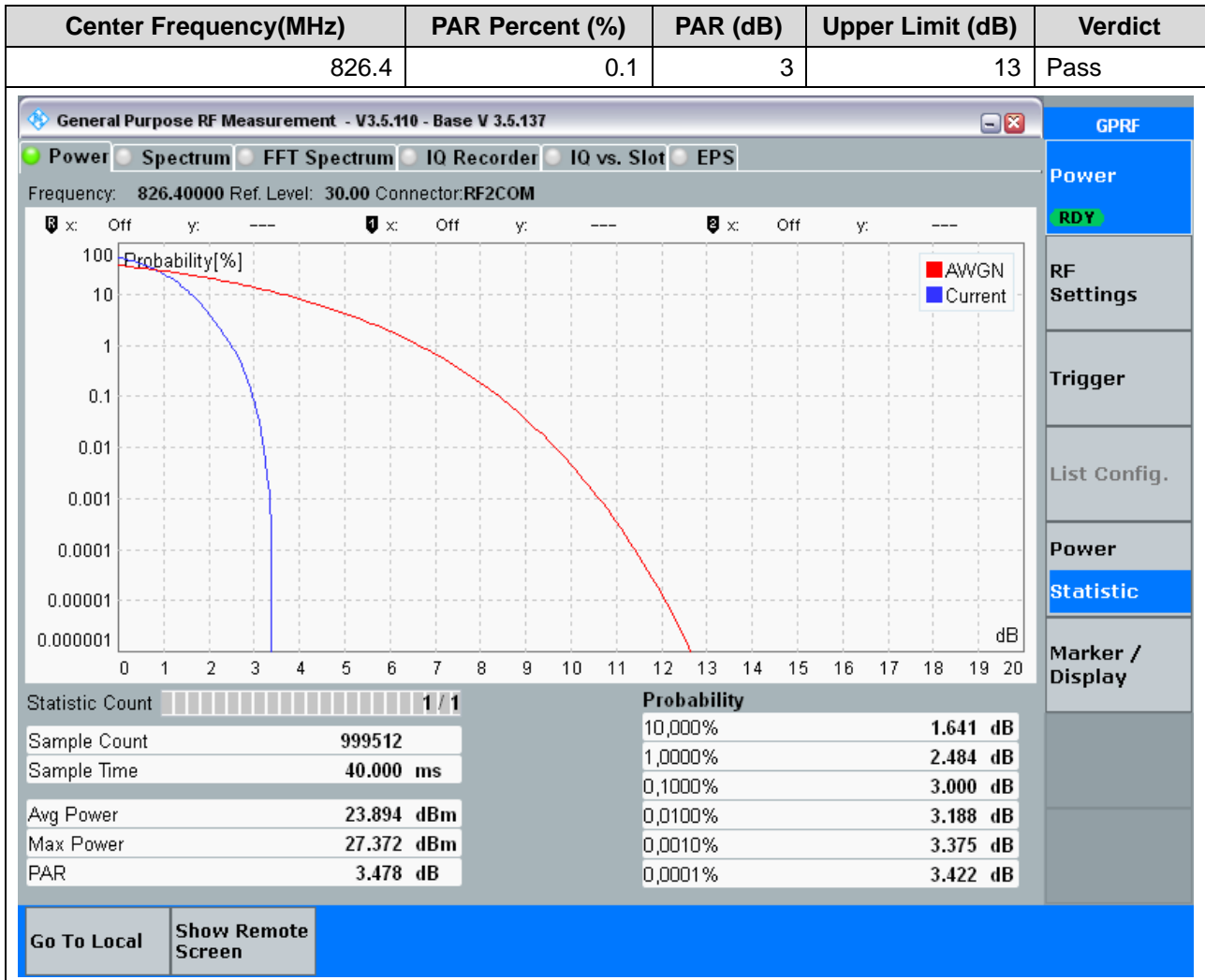
Statistic Count	
Sample Count	998712
Sample Time	39.968 ms
Avg Power	22.722 dBm
Max Power	26.136 dBm
PAR	3.415 dB

Probability	
10,000%	1.641 dB
1,0000%	2.484 dB
0,1000%	2.953 dB
0,0100%	3.188 dB
0,0010%	3.281 dB
0,0001%	3.375 dB

Go To Local
Show Remote Screen

### 3. WCDMA\_Band5

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





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

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
836.4	0.1	2.77	13	Pass

**General Purpose RF Measurement - V3.5.110 - Base V 3.5.137**  
 Frequency: **836.40000** 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 <span style="float: right;">1 / 1</span>		<b>Probability</b>	
Sample Count	<b>1024090</b>	10,000%	<b>1.547 dB</b>
Sample Time	<b>40.984 ms</b>	1,0000%	<b>2.344 dB</b>
Avg Power	<b>23.988 dBm</b>	0,1000%	<b>2.766 dB</b>
Max Power	<b>27.206 dBm</b>	0,0100%	<b>3.000 dB</b>
PAR	<b>3.217 dB</b>	0,0010%	<b>3.094 dB</b>
		0,0001%	<b>3.141 dB</b>

Go To Local
Show Remote Screen

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

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

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
846.6	0.1	2.67	13	Pass

**General Purpose RF Measurement - V3.5.110 - Base V 3.5.137**  
 Frequency: **846.60000** 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

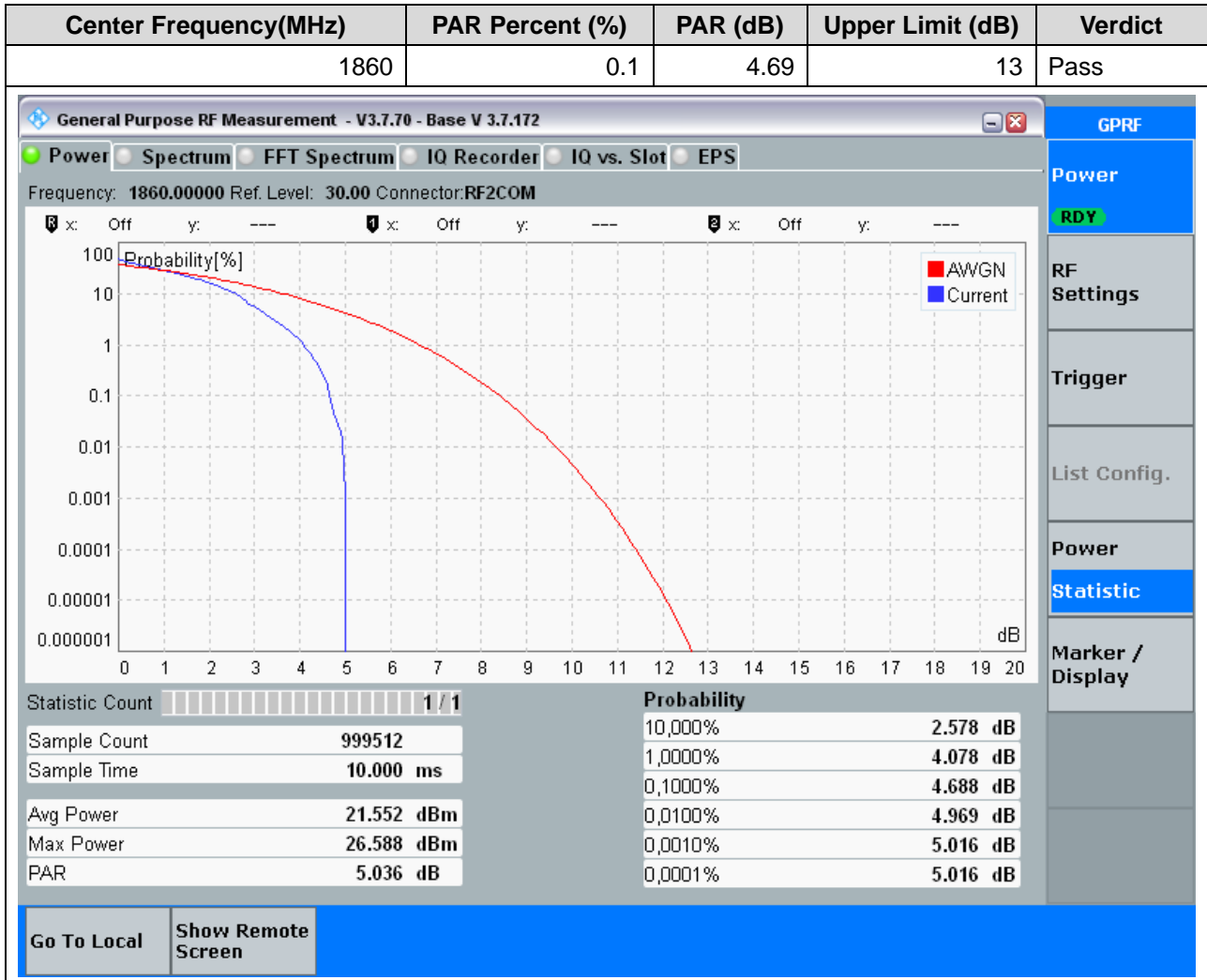
Statistic Count <span style="border: 1px solid gray; padding: 0 5px;">1 / 1</span>		<b>Probability</b>	
Sample Count	999512	10,000%	1.547 dB
Sample Time	40.000 ms	1,0000%	2.250 dB
Avg Power	23.976 dBm	0,1000%	2.672 dB
Max Power	27.039 dBm	0,0100%	2.813 dB
PAR	3.063 dB	0,0010%	2.953 dB
		0,0001%	3.000 dB

Go To Local
Show Remote Screen

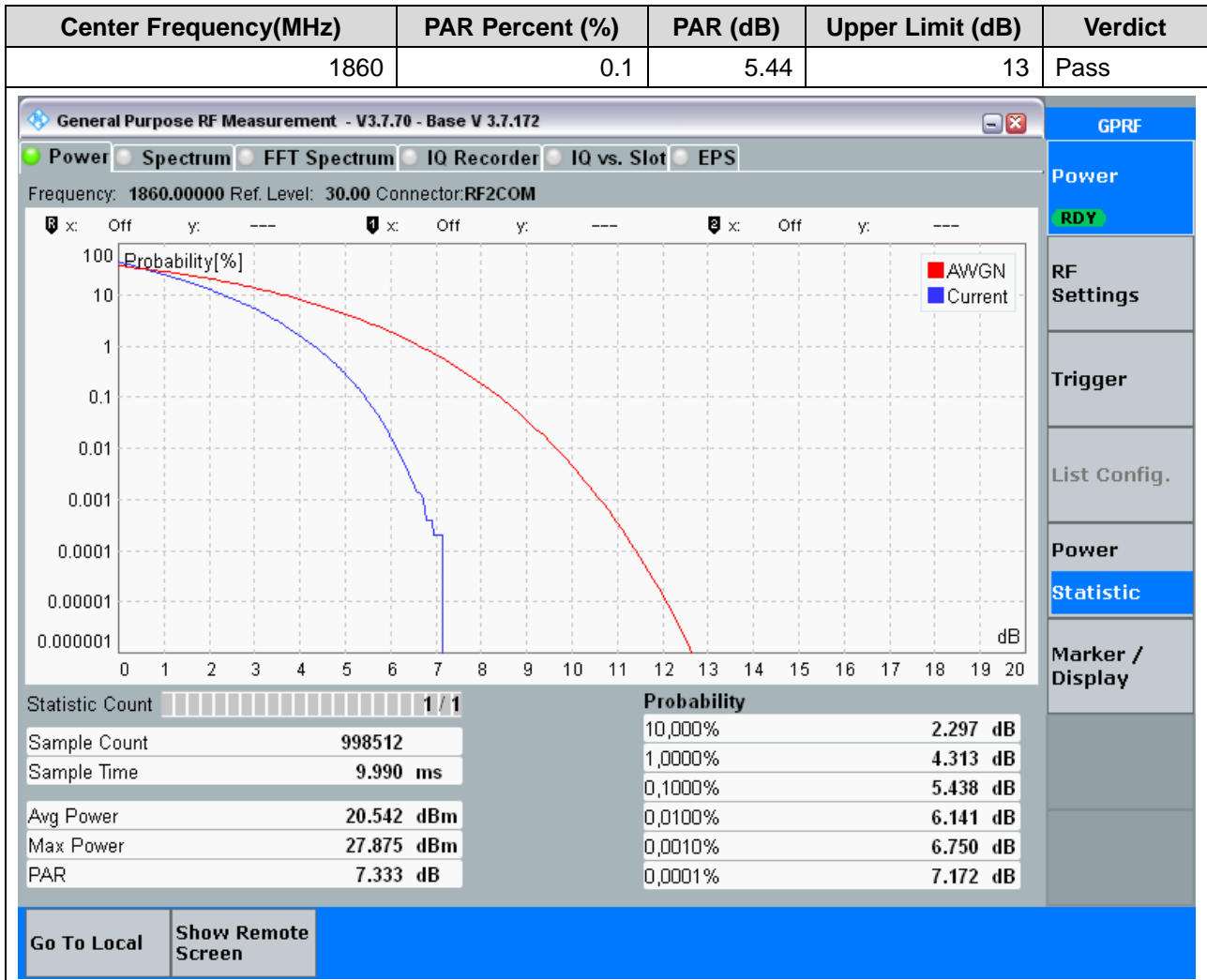
Power
RDY
RF Settings
Trigger
List Config.
Power
Statistic
Marker / Display

## 4. LTE\_Band2

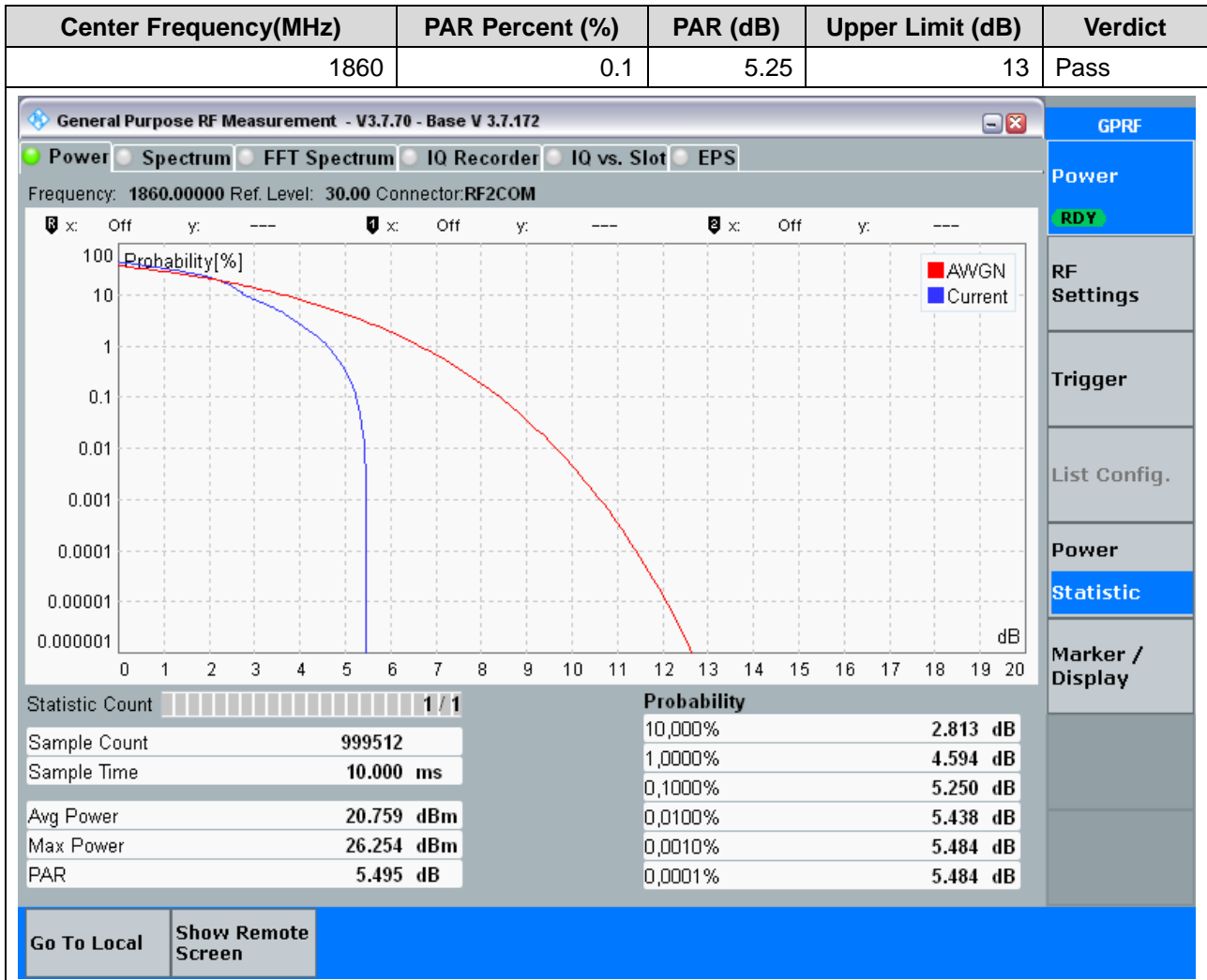
### 4.1. LTE Peak to Average Ratio(NTNV)(Subtest:1, Channel:18700, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)



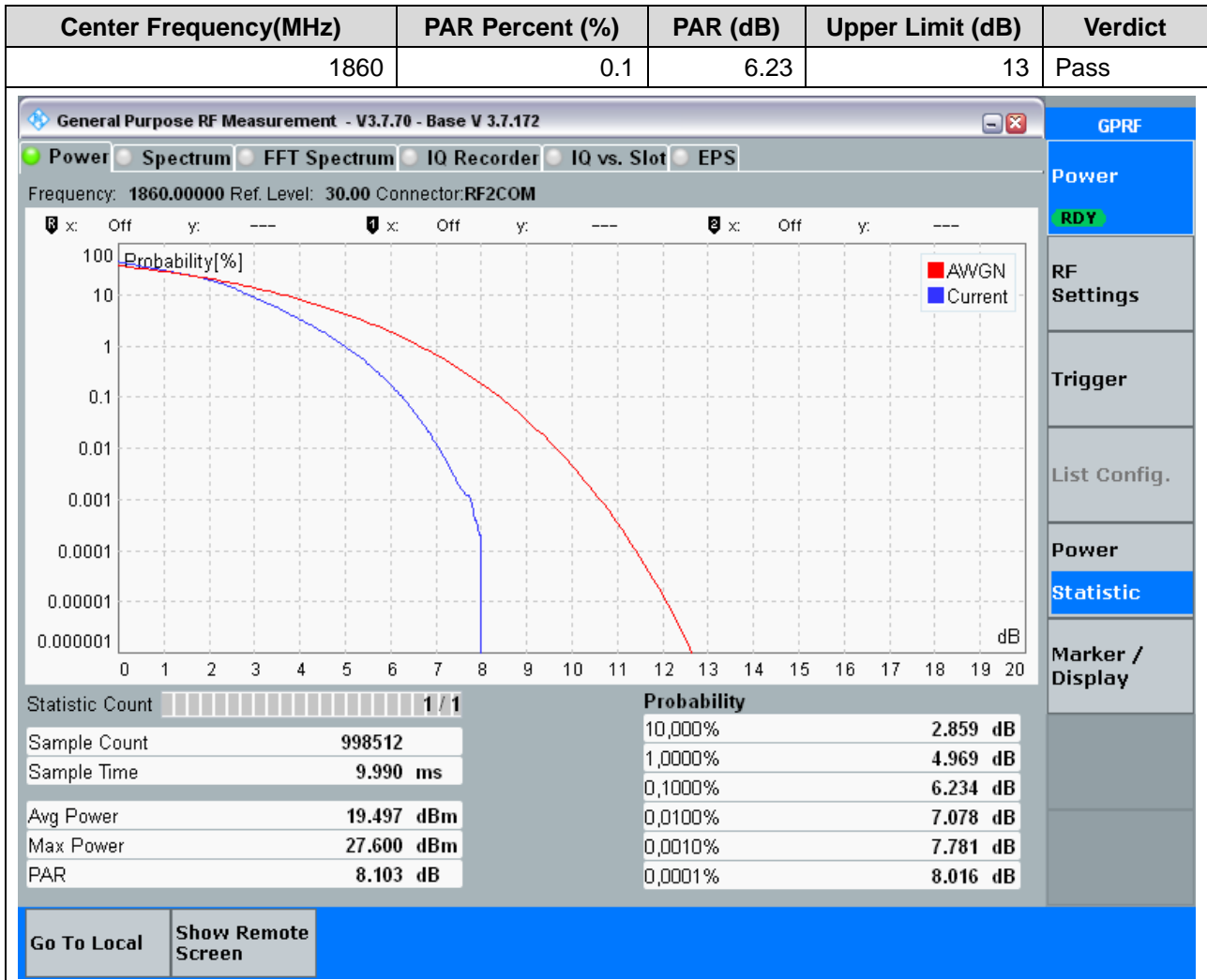
#### 4.2. LTE Peak to Average Ratio(NTNV)(Subtest:2, Channel:18700, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)



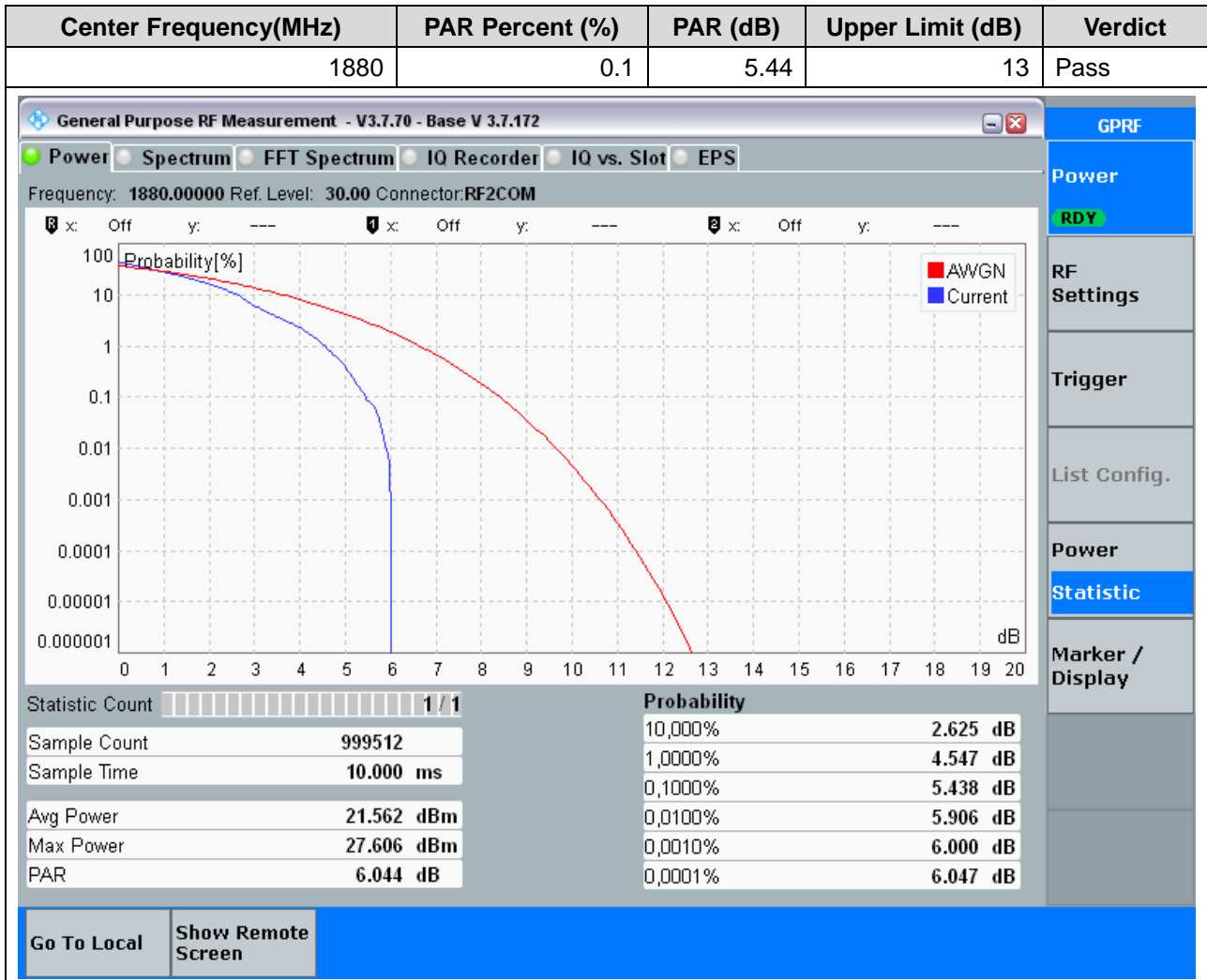
### 4.3. LTE Peak to Average Ratio(NTNV)(Subtest:3, Channel:18700, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)



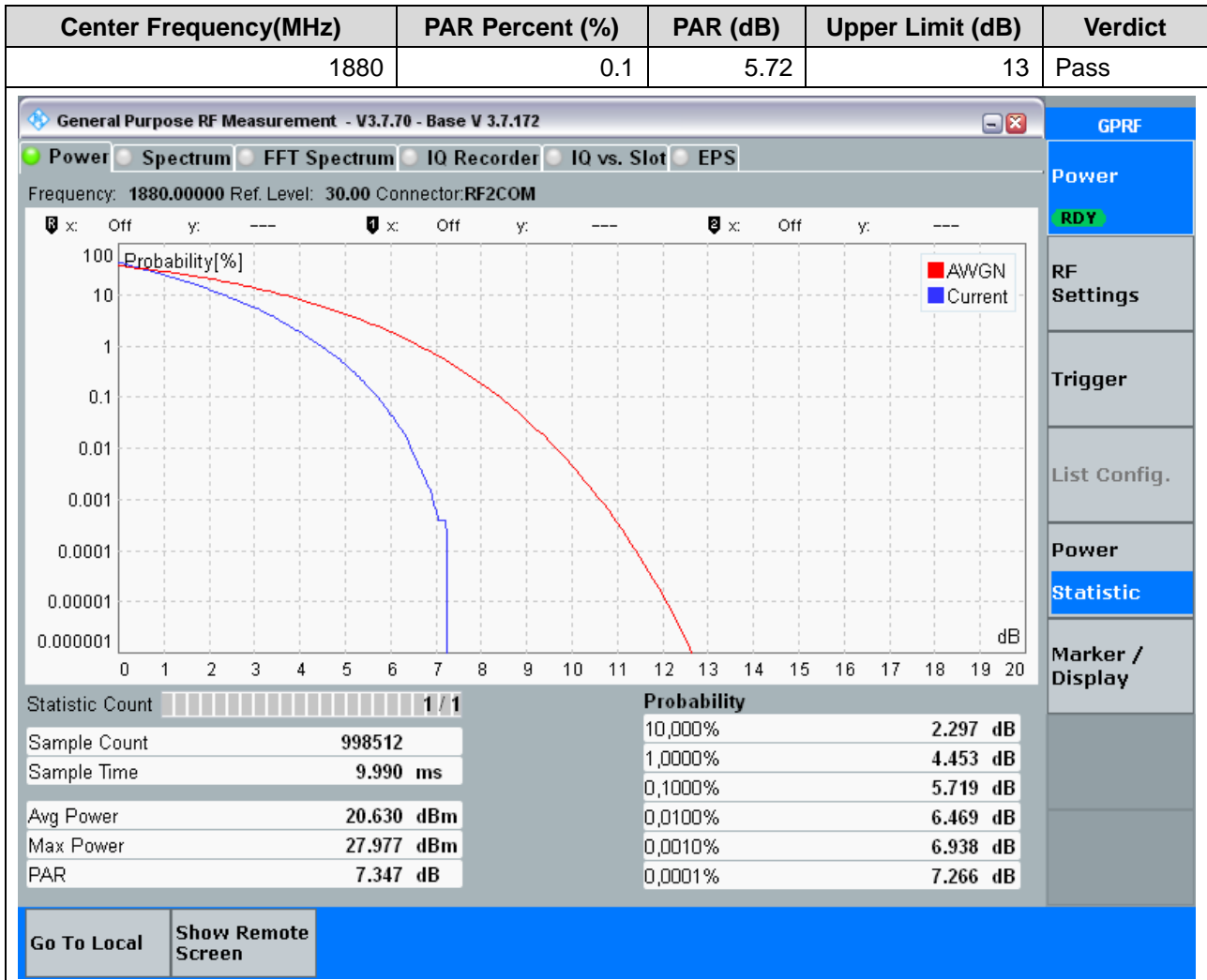
#### 4.4. LTE Peak to Average Ratio(NTNV)(Subtest:4, Channel:18700, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)



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

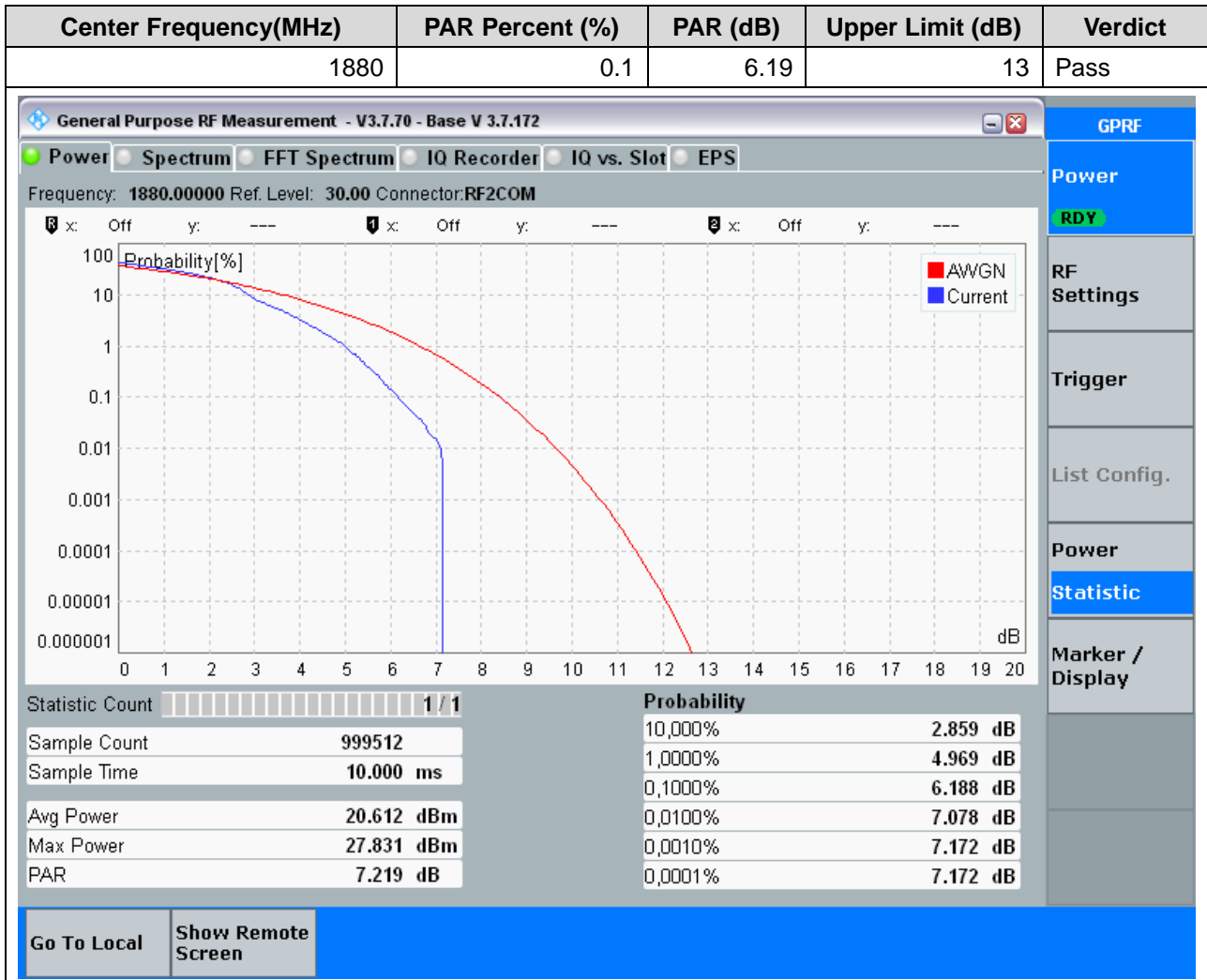


#### 4.6. LTE Peak to Average Ratio(NTNV)(Subtest:6, Channel:18900, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)

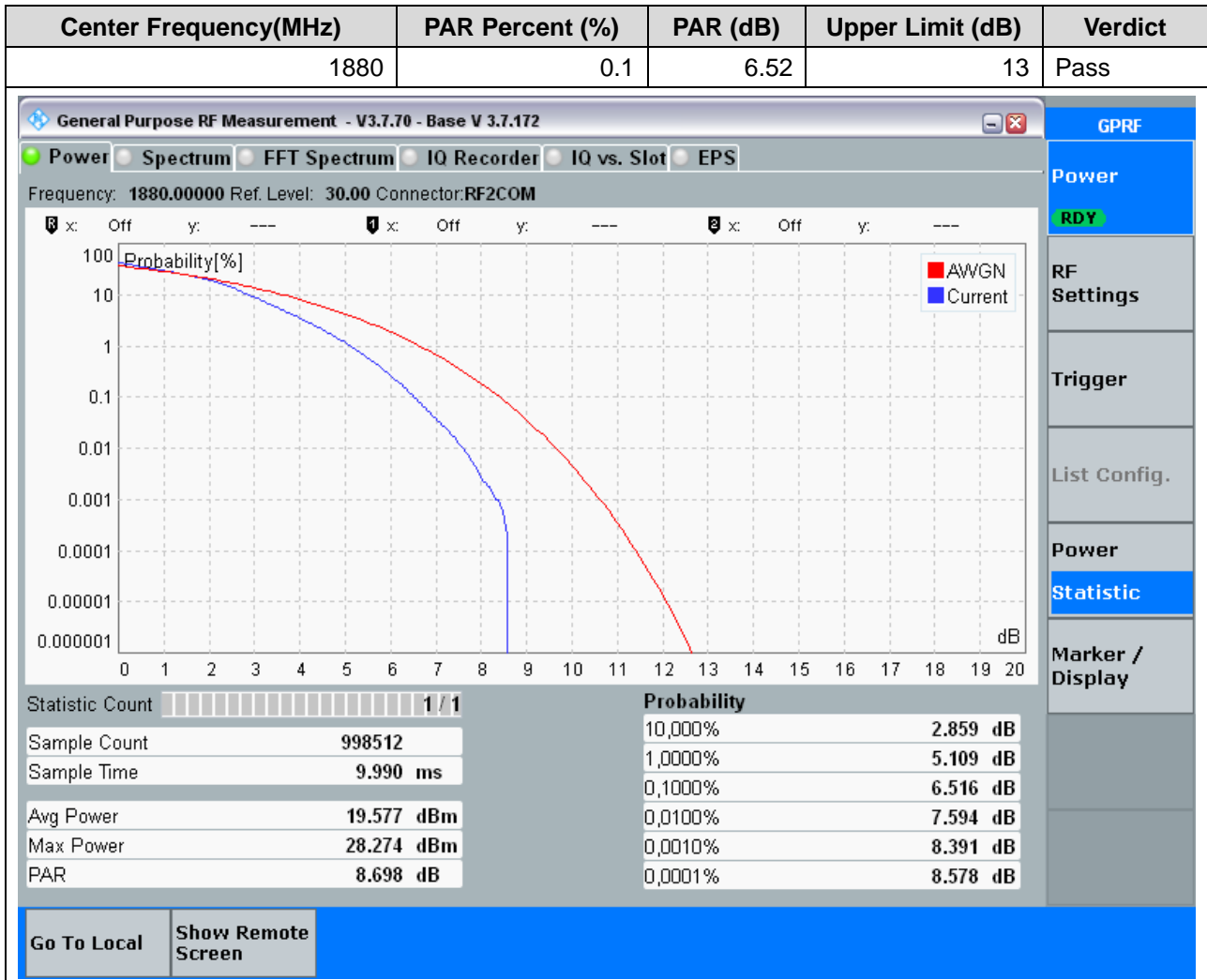




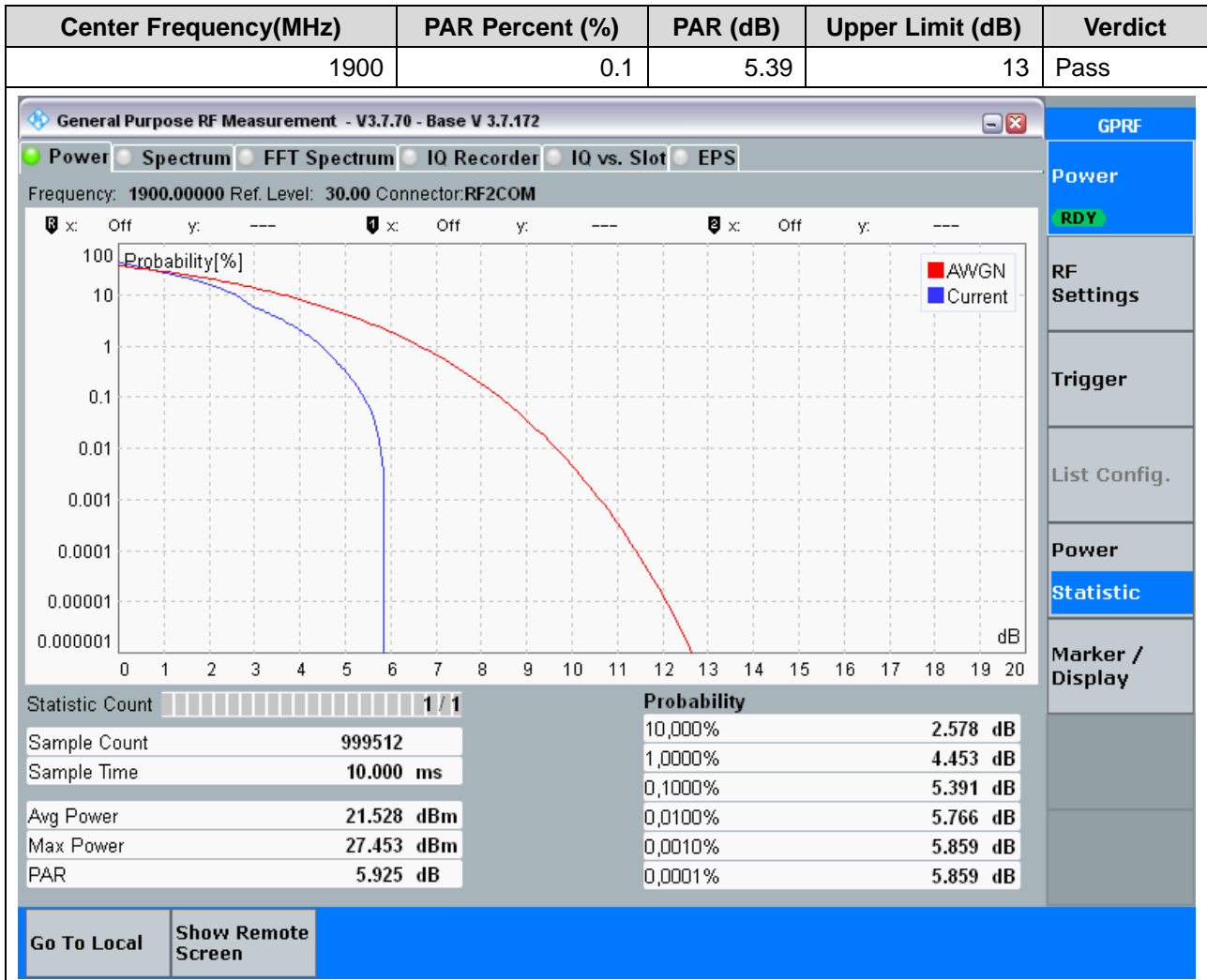
#### 4.7. LTE Peak to Average Ratio(NTNV)(Subtest:7, Channel:18900, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)



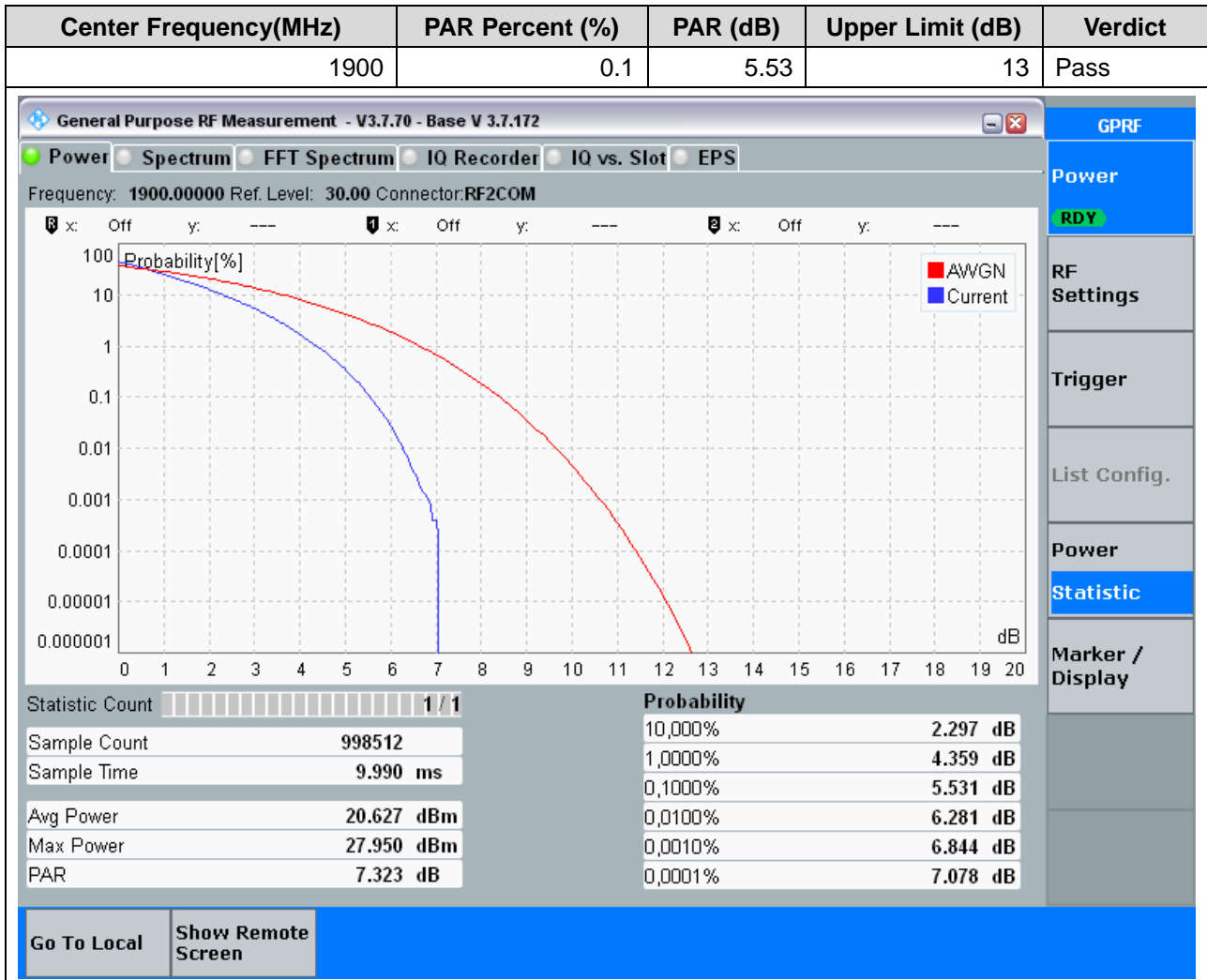
**4.8. LTE Peak to Average Ratio(NTNV)(Subtest:8, Channel:18900, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)**



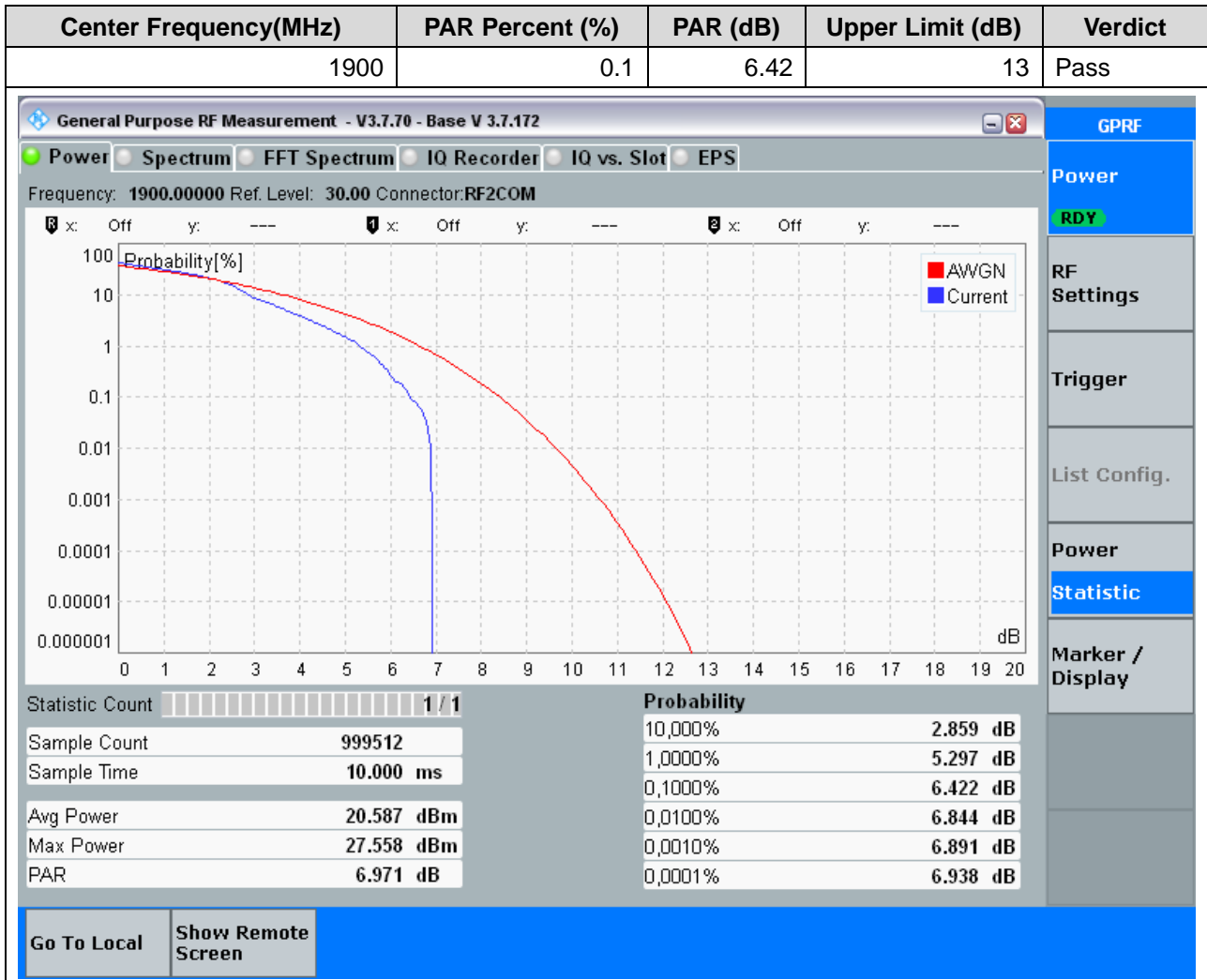
#### 4.9. LTE Peak to Average Ratio(NTNV)(Subtest:9, Channel:19100, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)



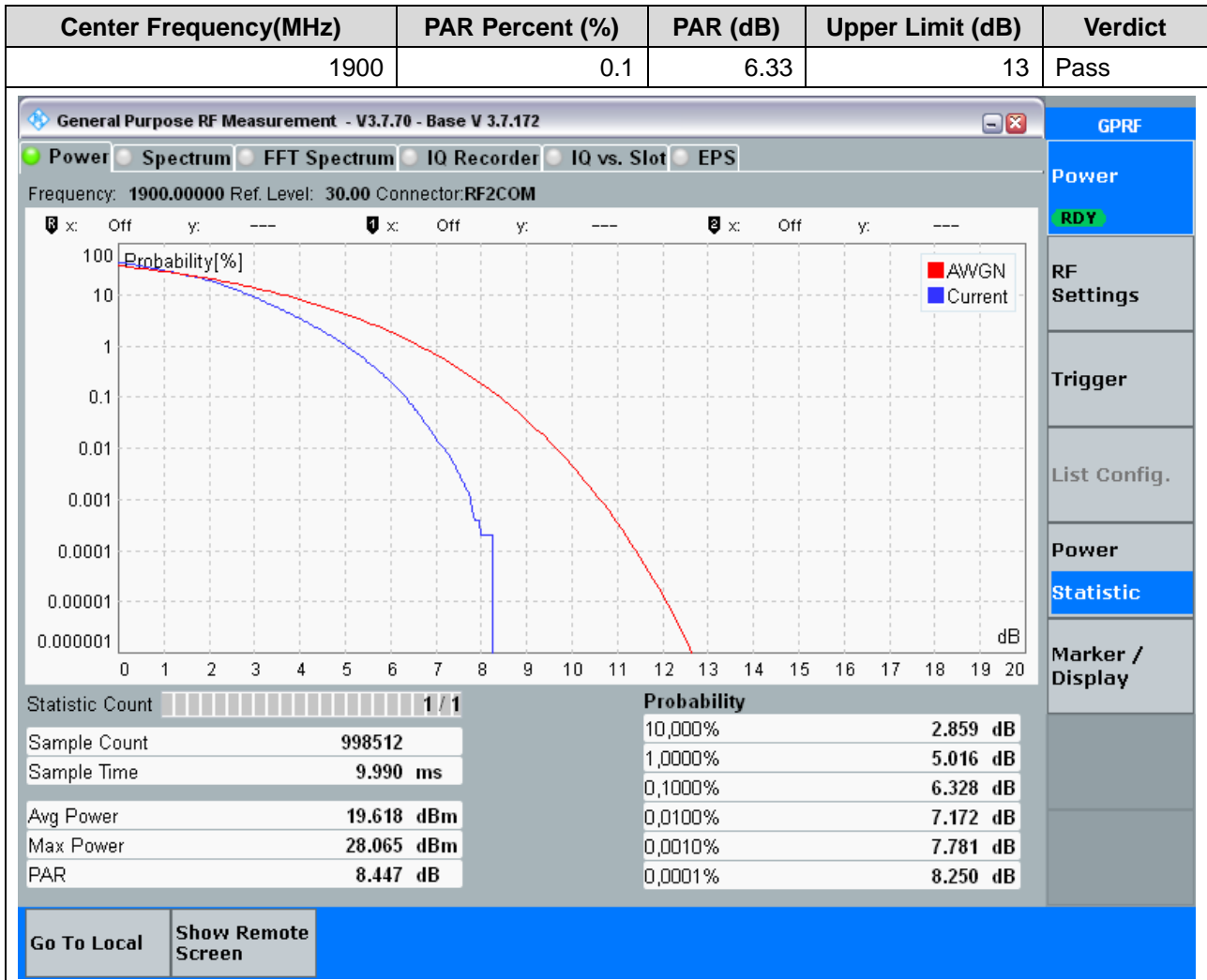
**4.10. LTE Peak to Average Ratio(NTNV)(Subtest:10, Channel:19100, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)**



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

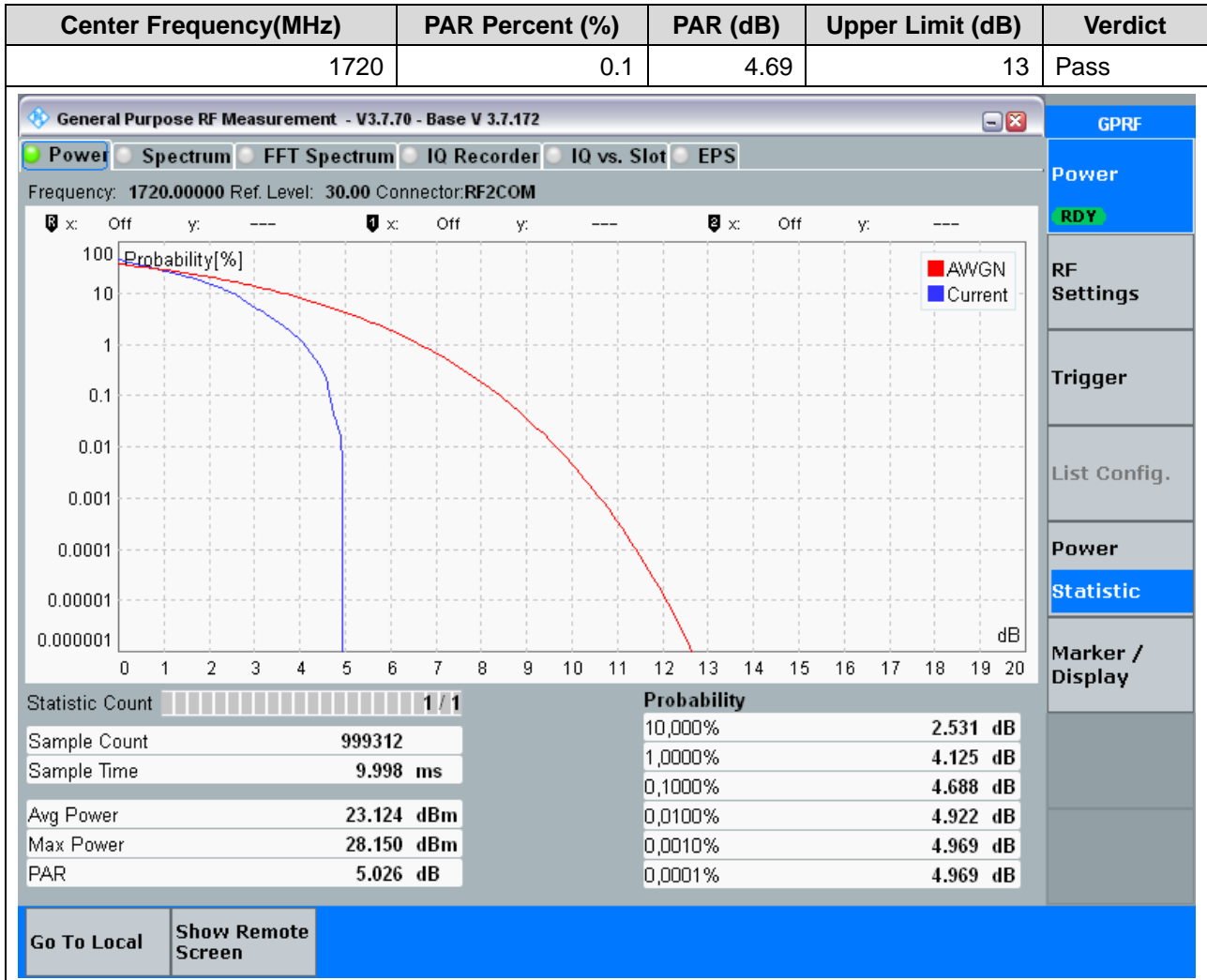


**4.12. LTE Peak to Average Ratio(NTNV)(Subtest:12, Channel:19100, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)**

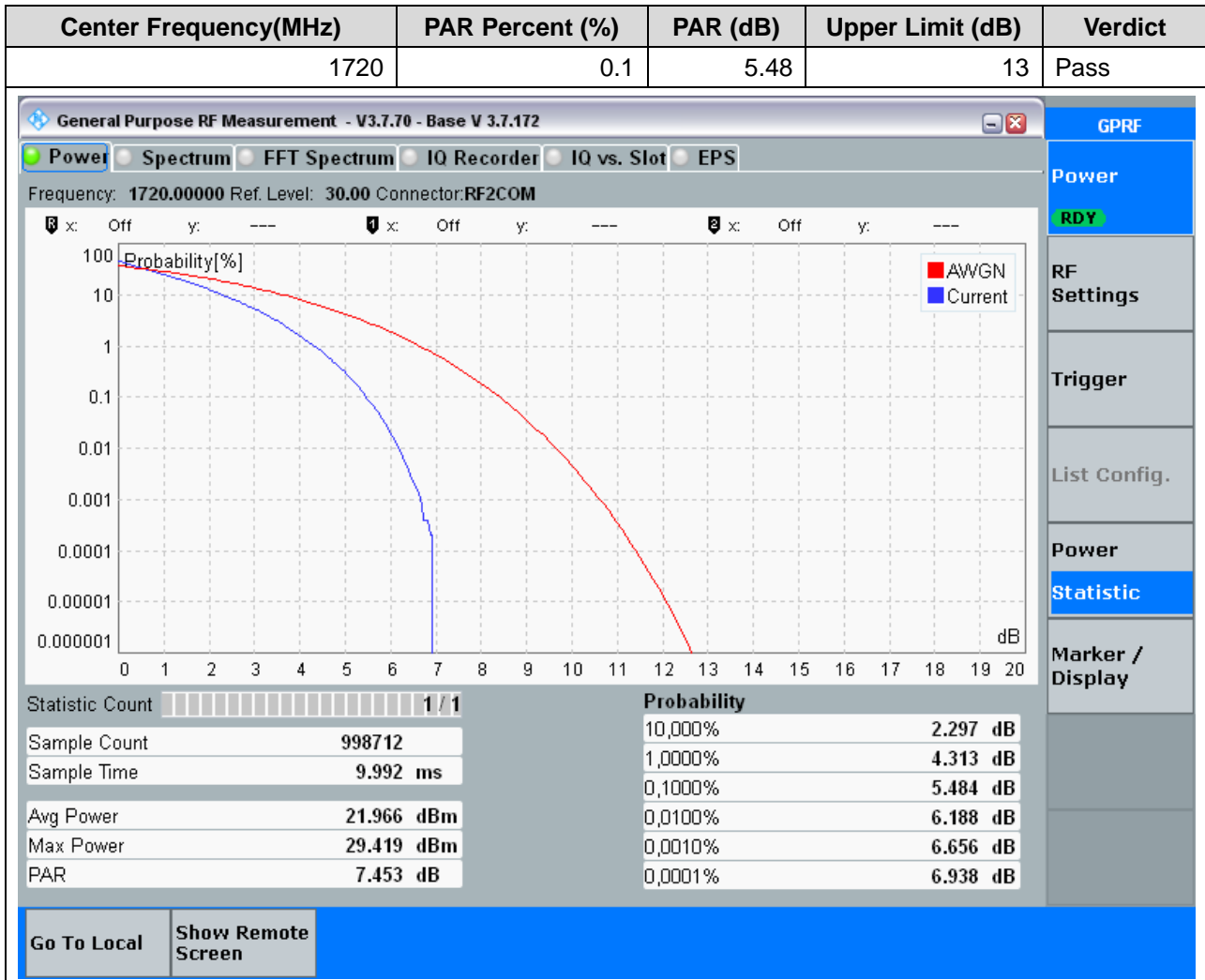


## 5. LTE\_Band4

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

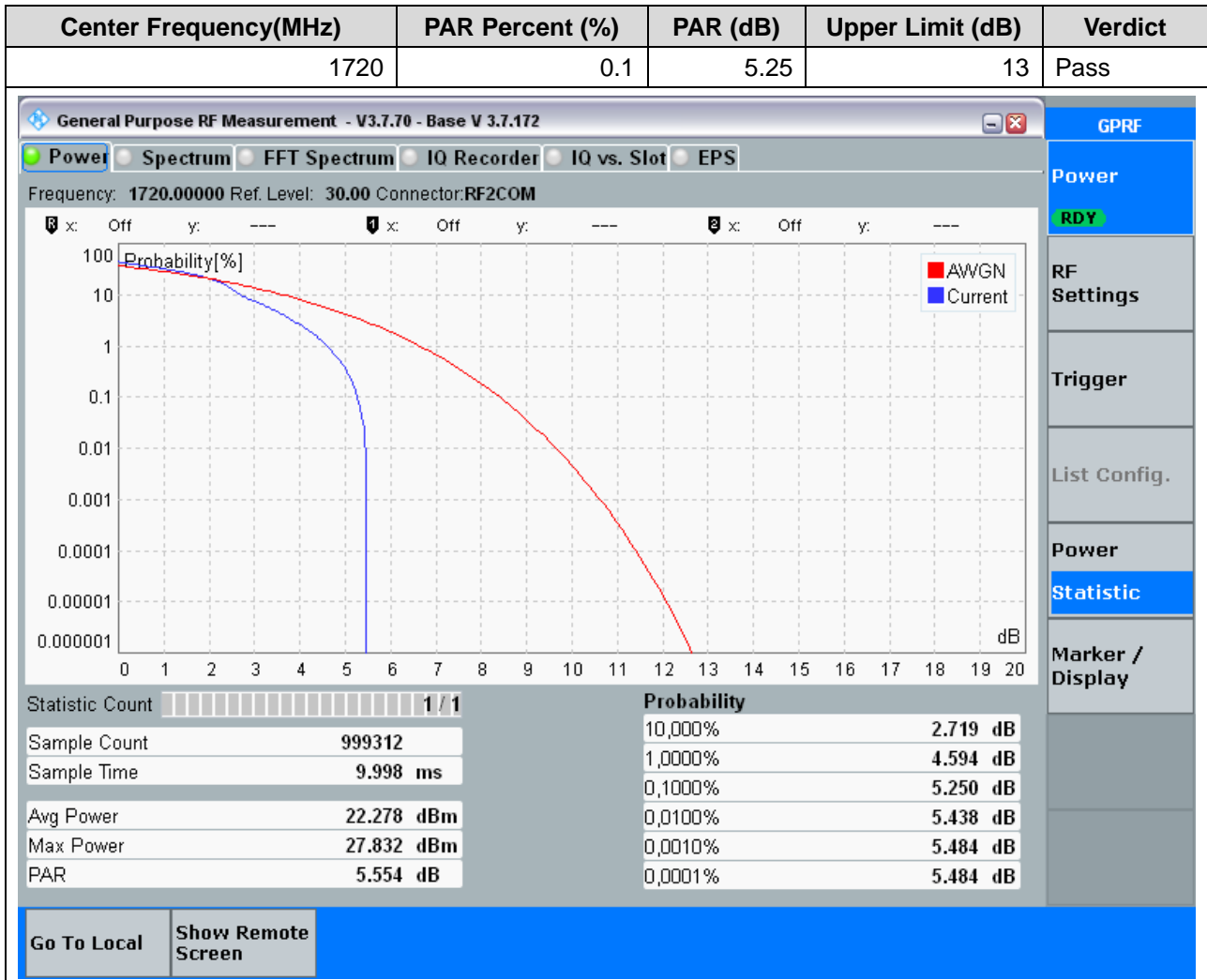


## 5.2. LTE Peak to Average Ratio(NTNV)(Subtest:2, Channel:20050, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)

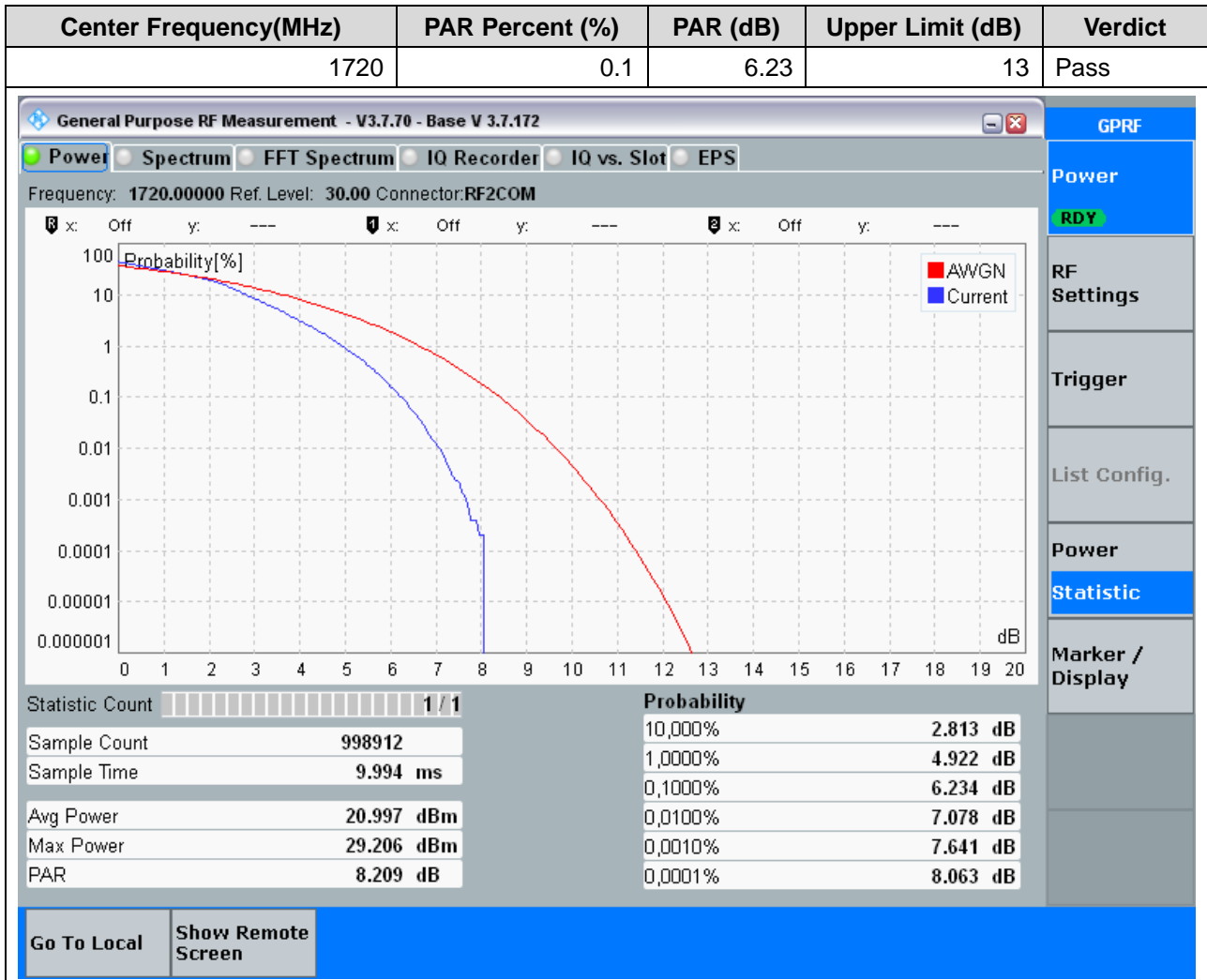




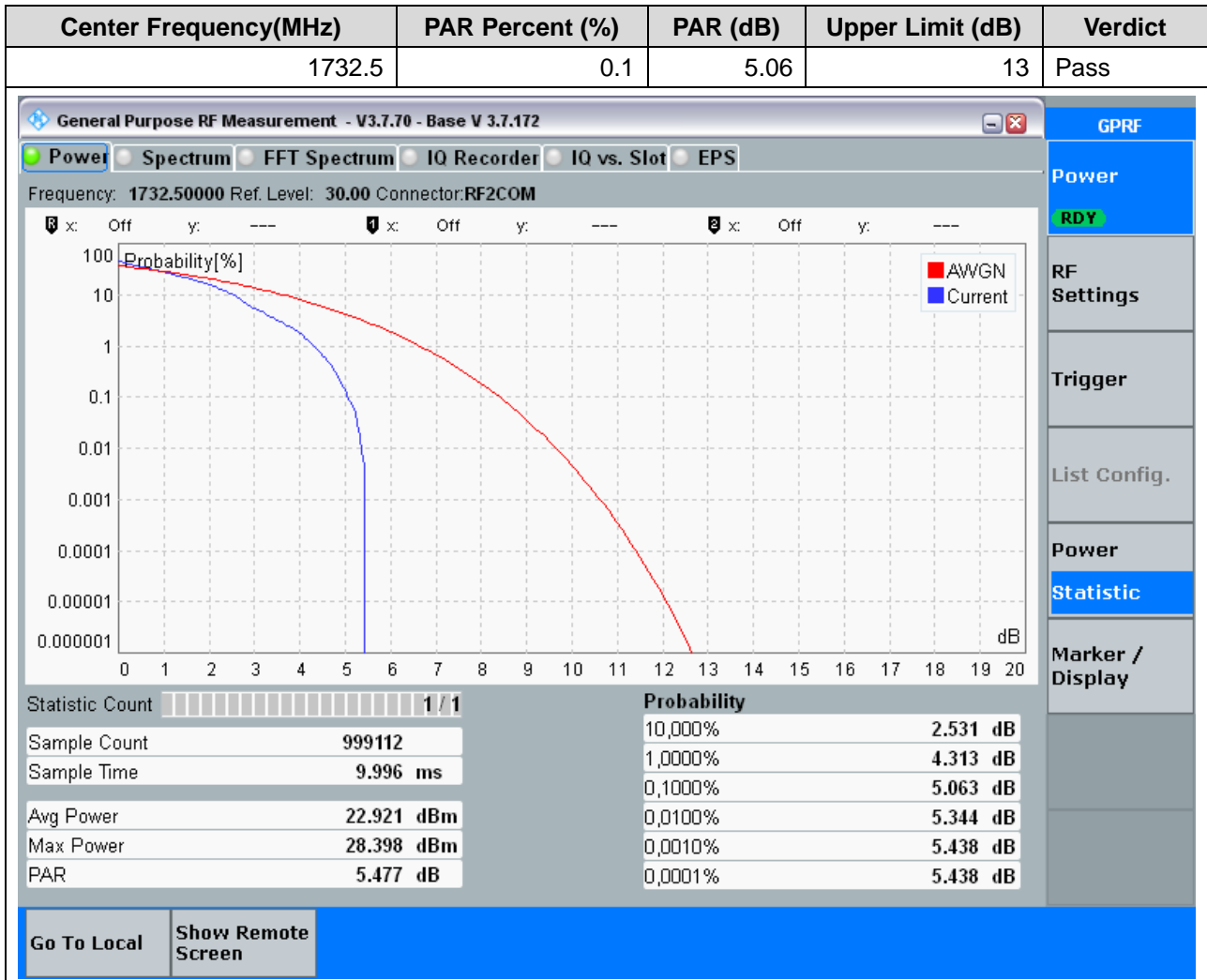
### 5.3. LTE Peak to Average Ratio(NTNV)(Subtest:3, Channel:20050, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)



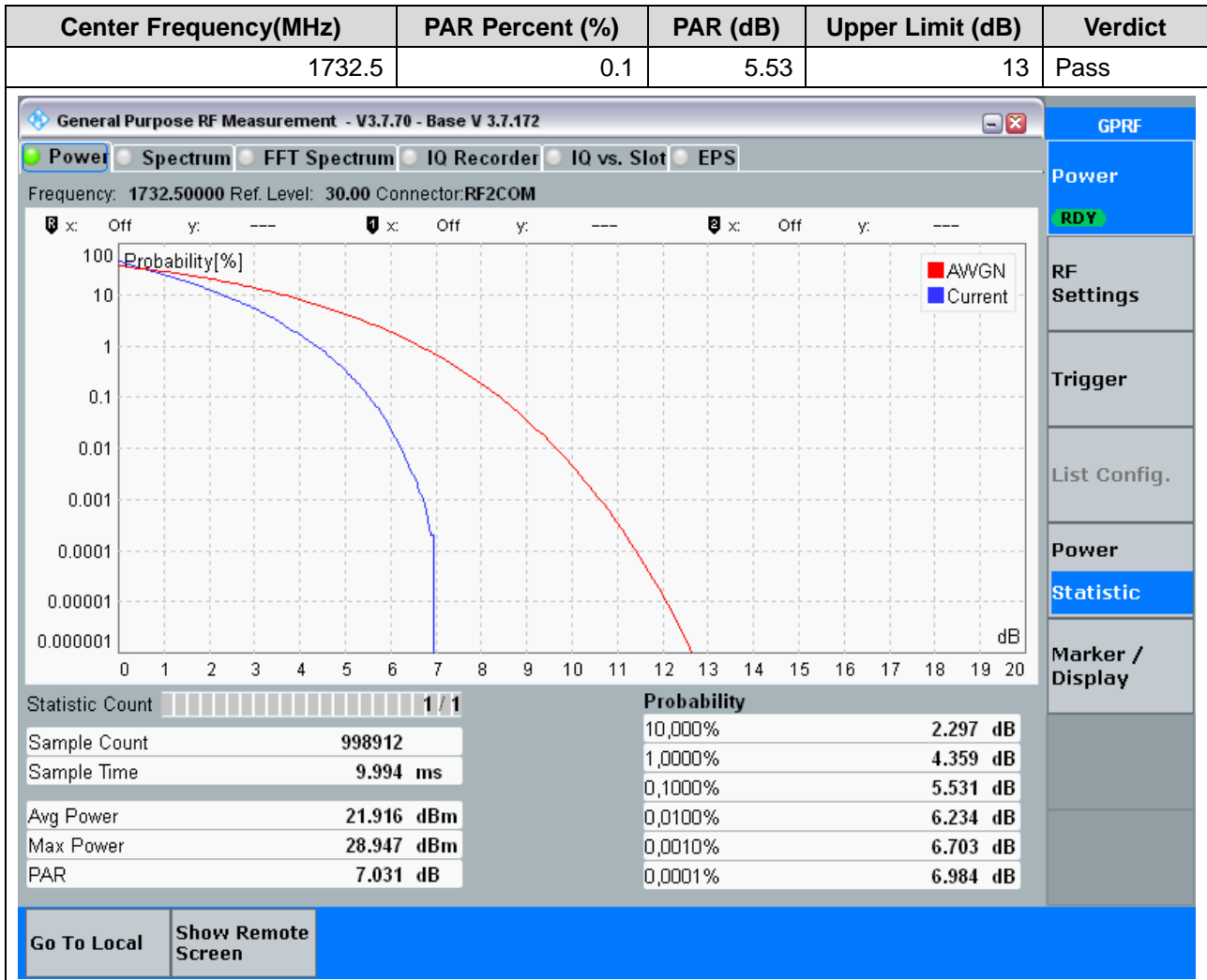
**5.4. LTE Peak to Average Ratio(NTNV)(Subtest:4, Channel:20050, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)**



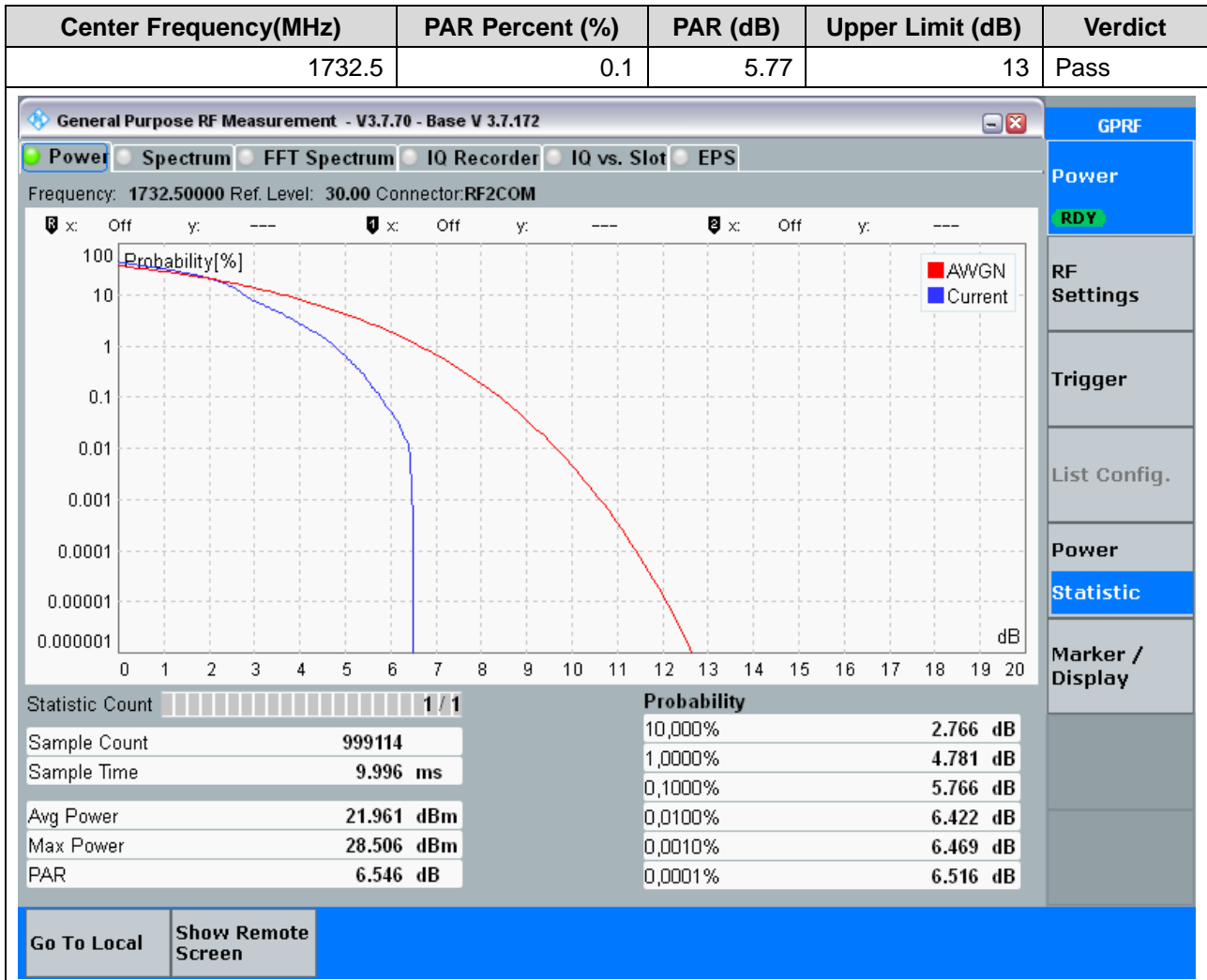
**5.5. LTE Peak to Average Ratio(NTNV)(Subtest:5, Channel:20175, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)**



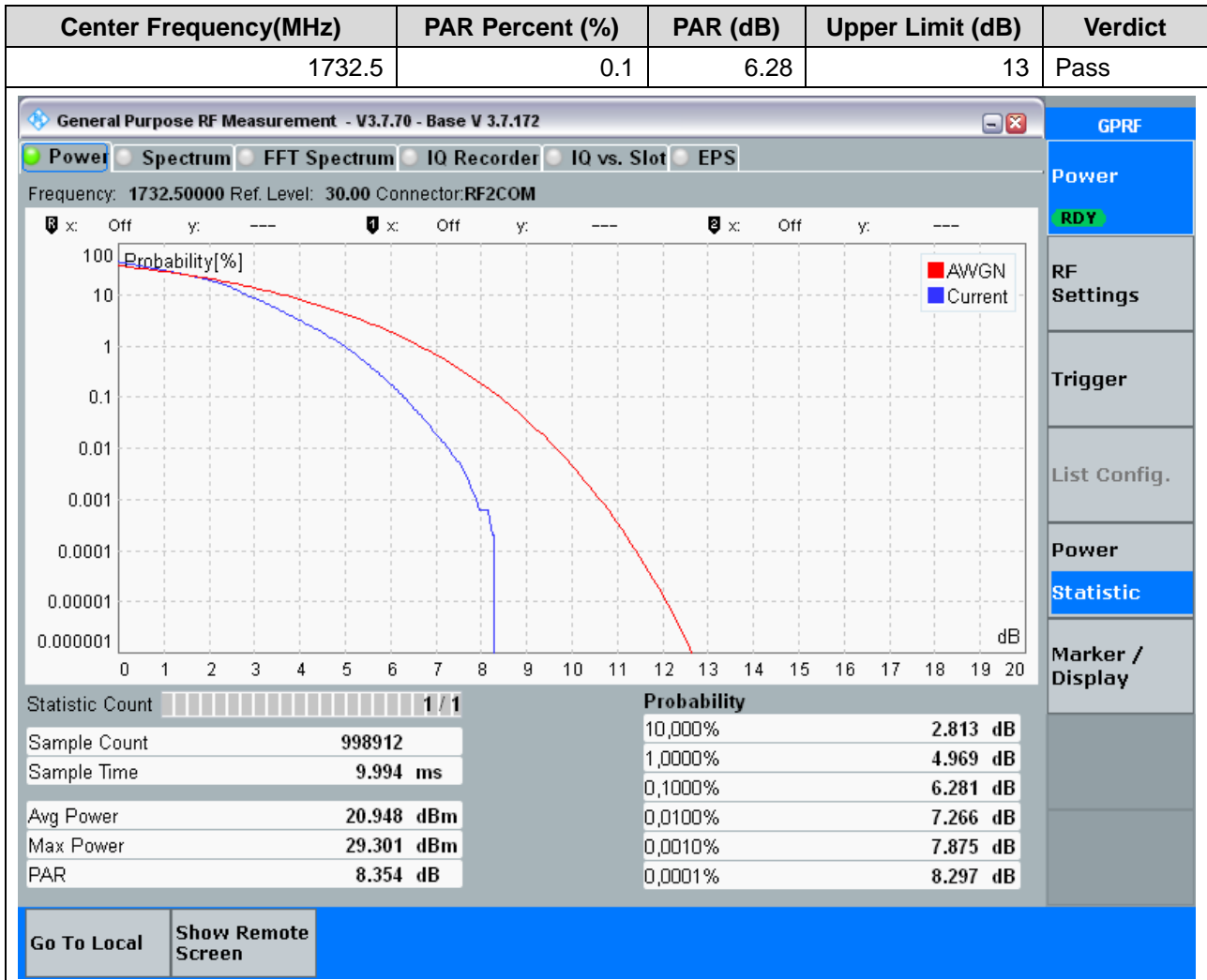
**5.6. LTE Peak to Average Ratio(NTNV)(Subtest:6, Channel:20175, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)**



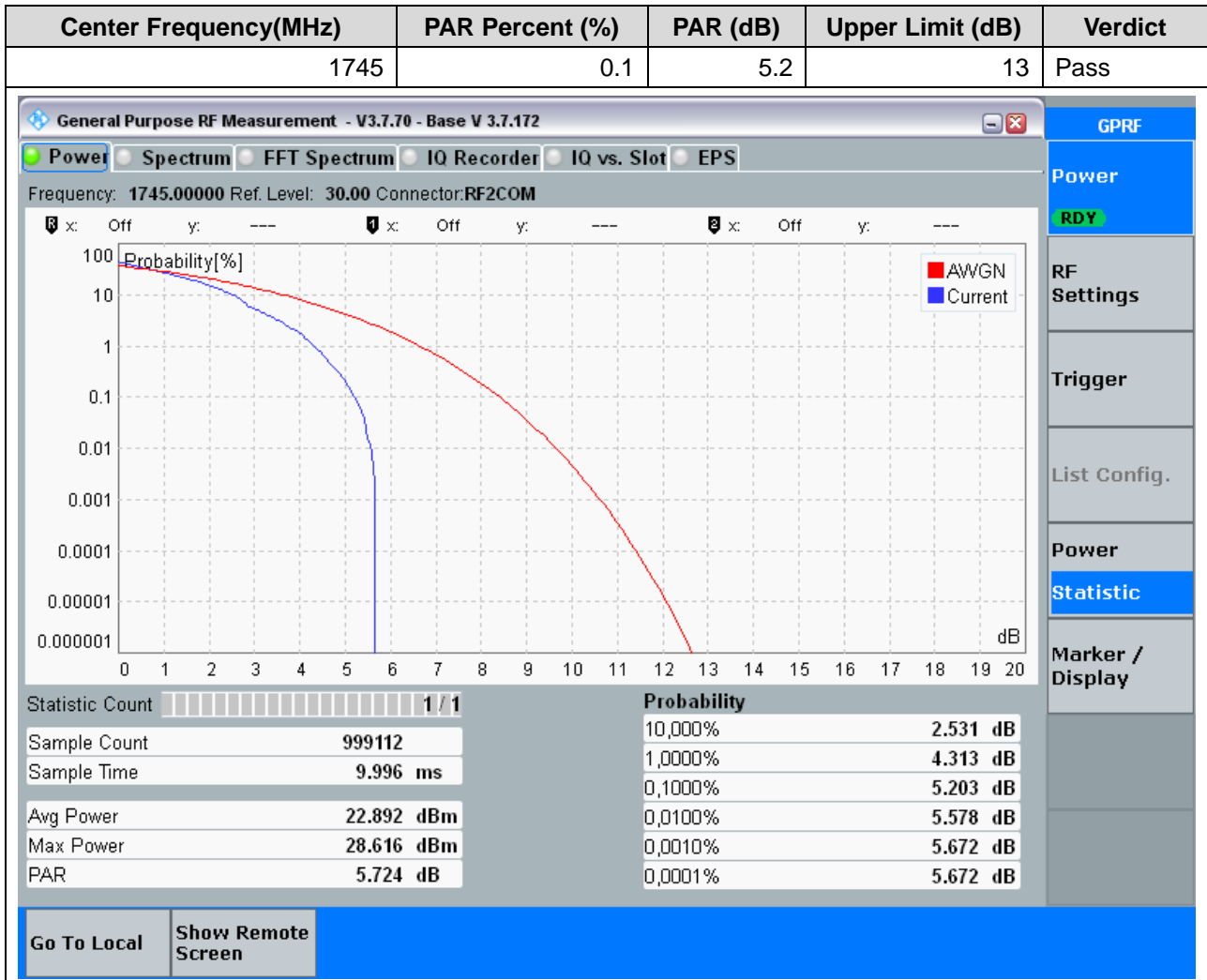
**5.7. LTE Peak to Average Ratio(NTNV)(Subtest:7, Channel:20175, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)**



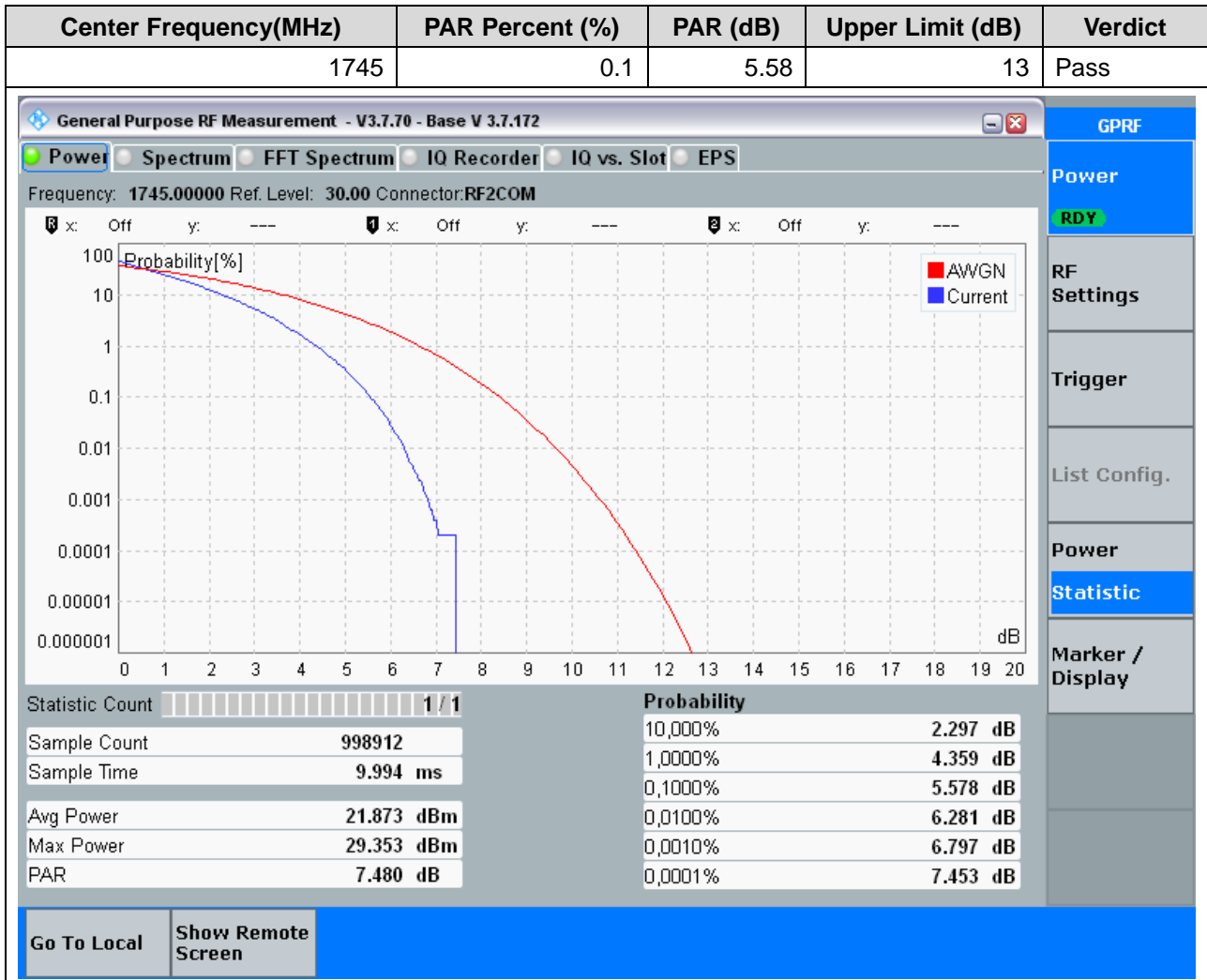
**5.8. LTE Peak to Average Ratio(NTNV)(Subtest:8, Channel:20175, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)**



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

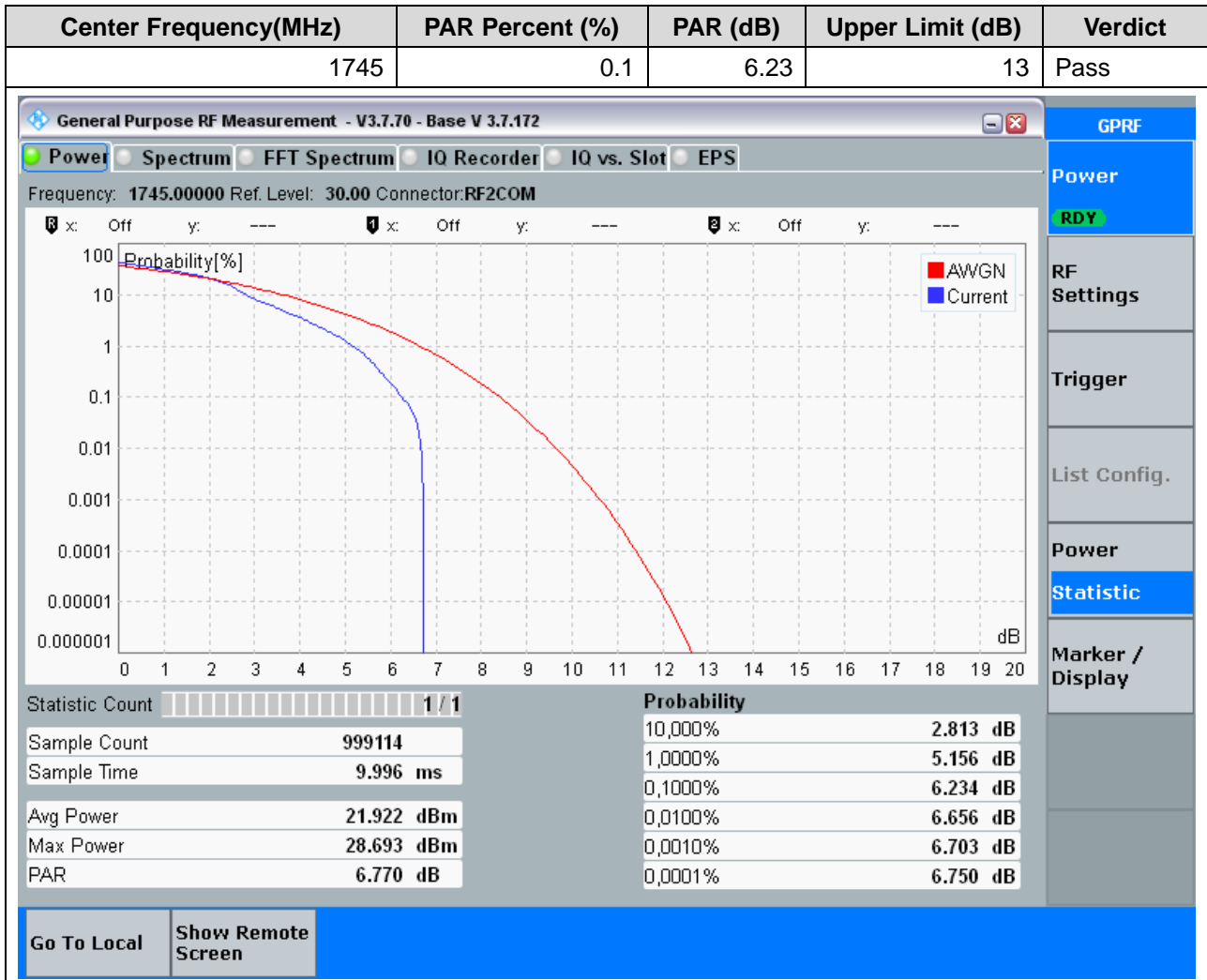


**5.10. LTE Peak to Average Ratio(NTNV)(Subtest:10, Channel:20300, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)**

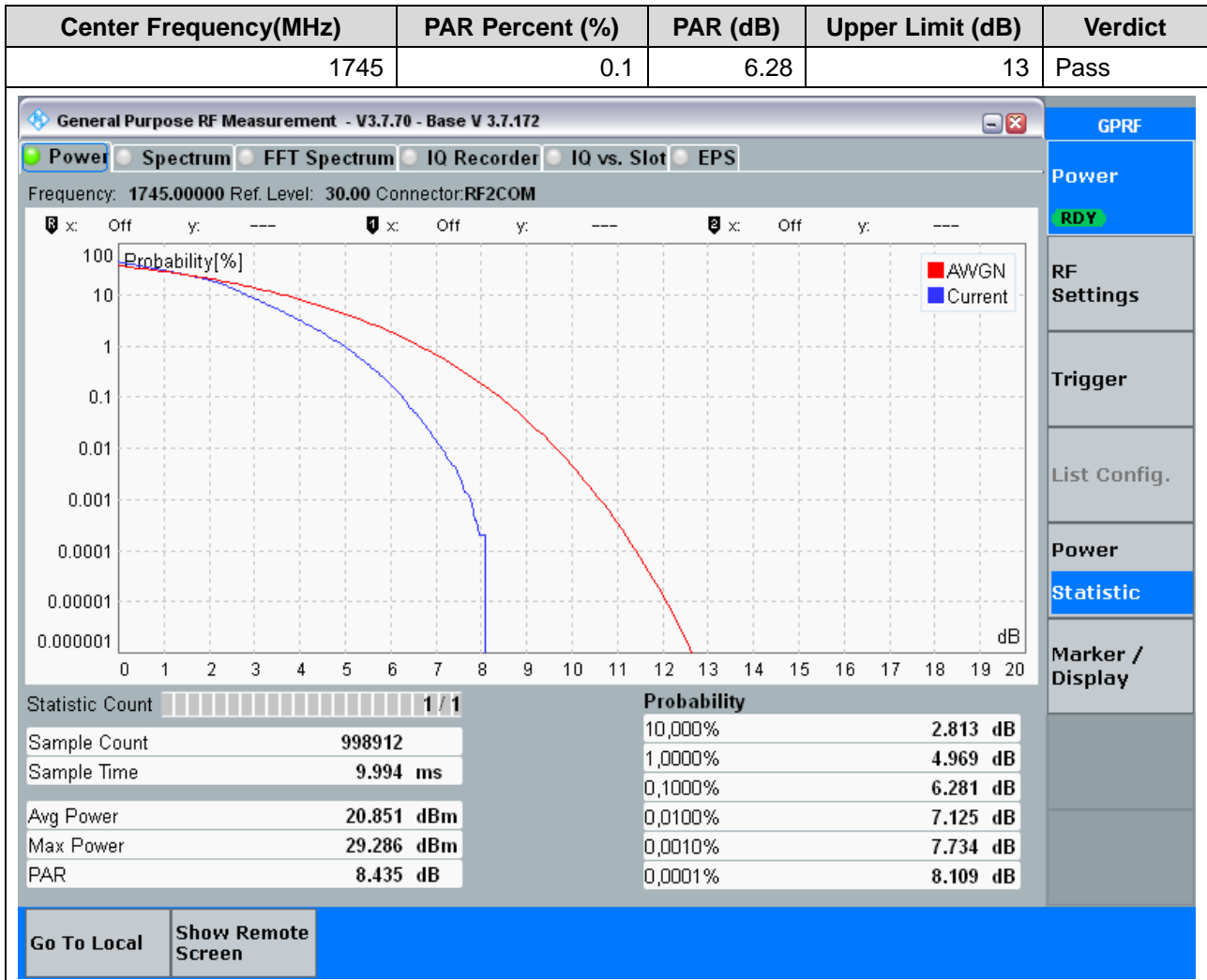




**5.11. LTE Peak to Average Ratio(NTNV)(Subtest:11, Channel:20300, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)**

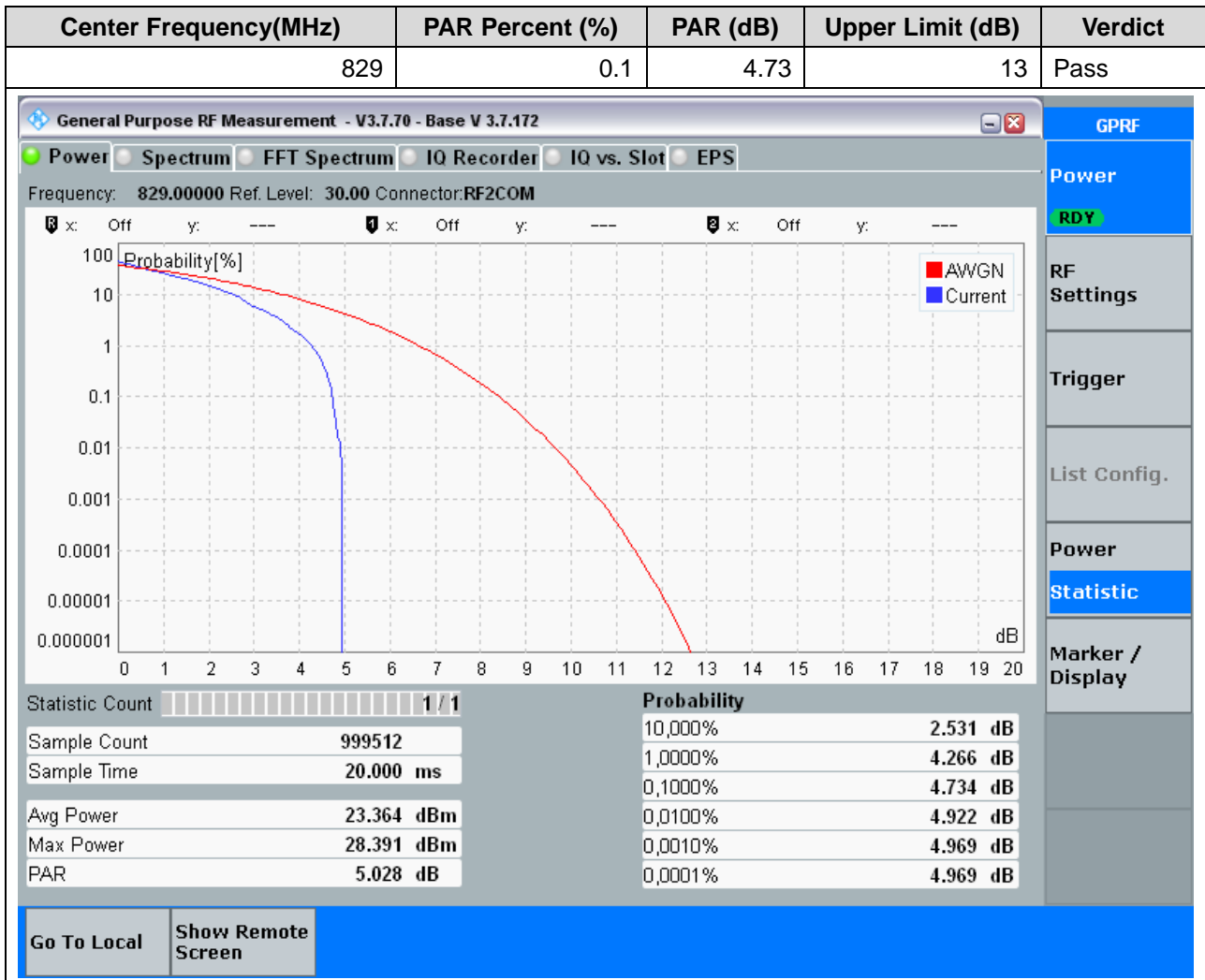


**5.12. LTE Peak to Average Ratio(NTNV)(Subtest:12, Channel:20300, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)**

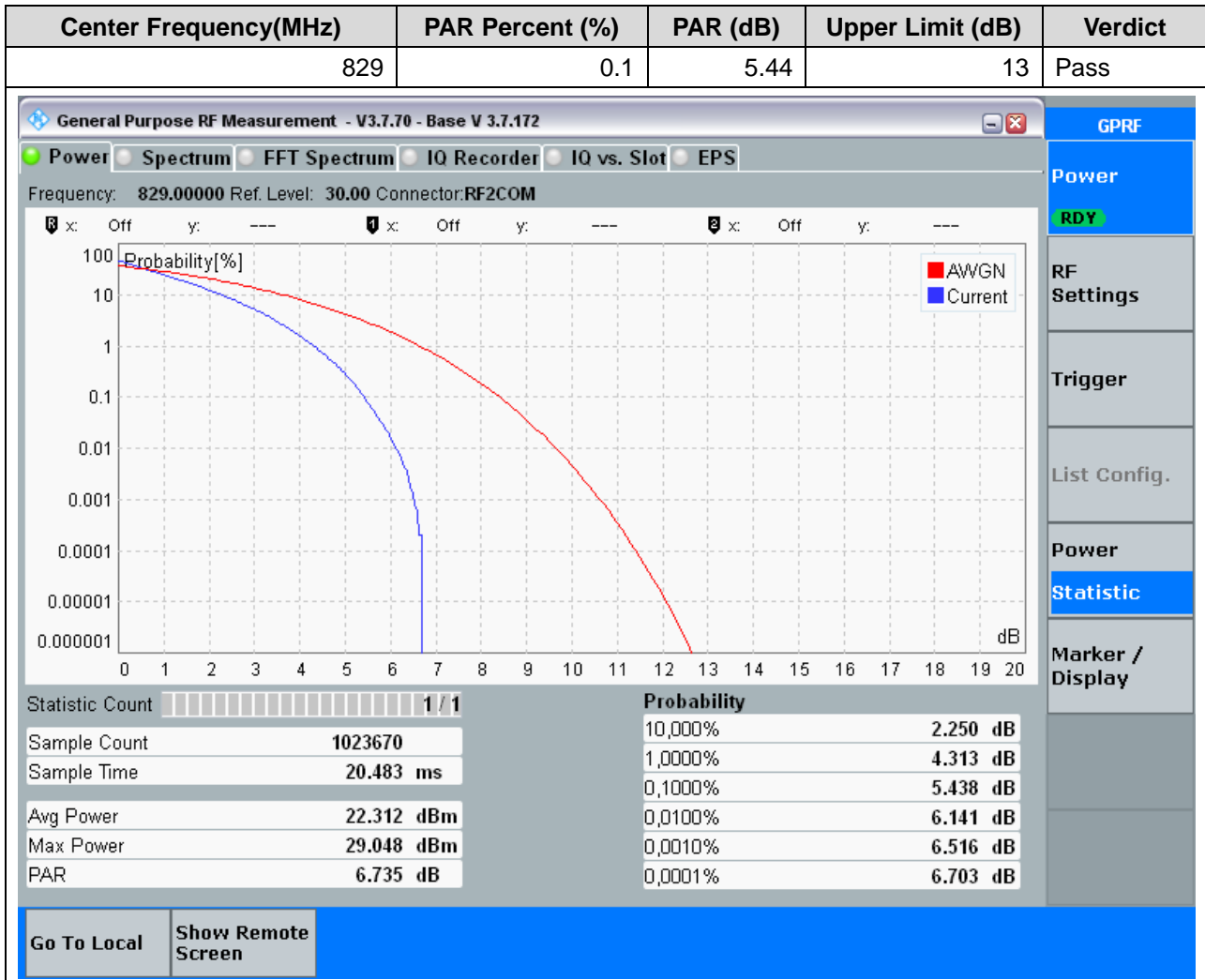


## 6. LTE\_Band5

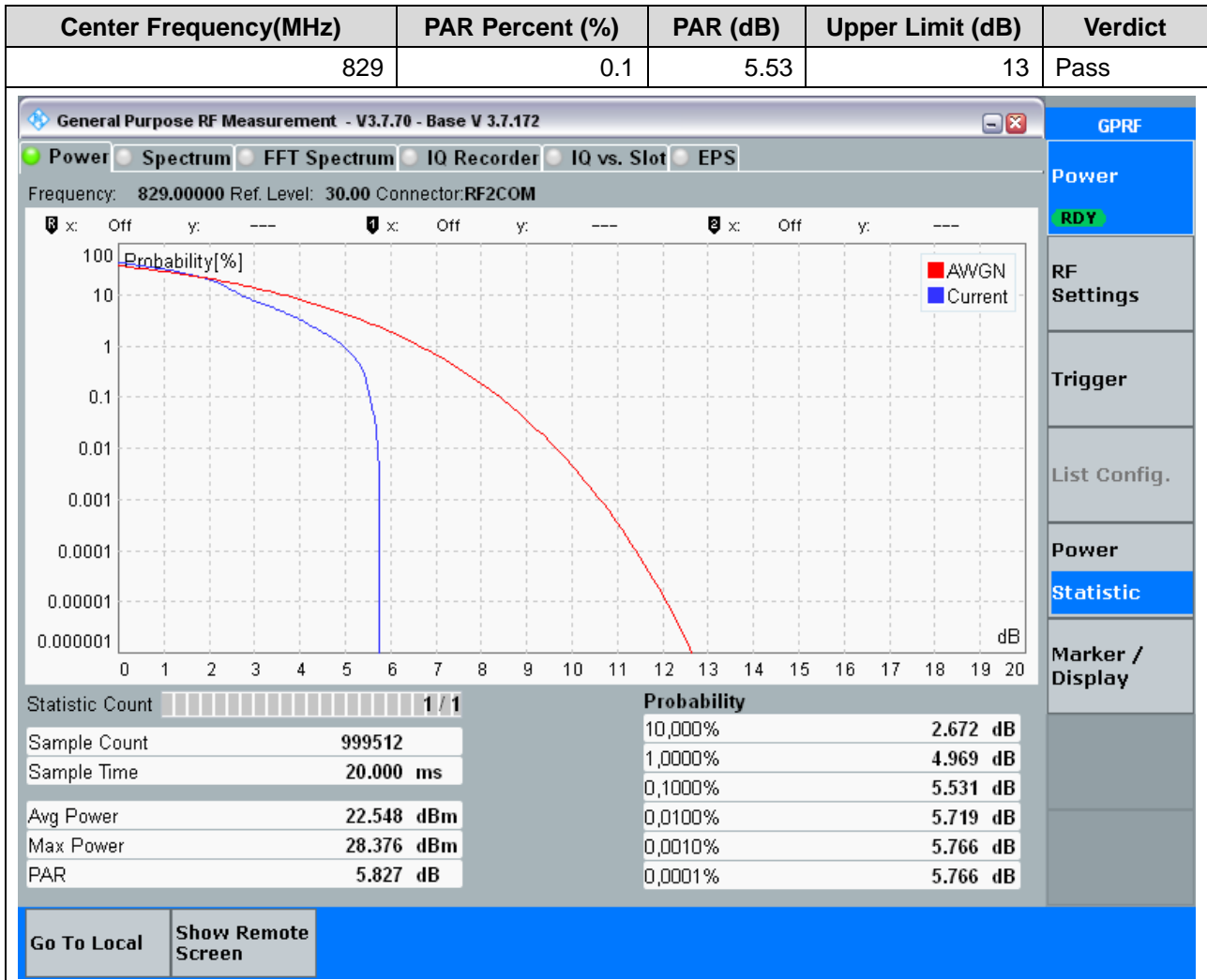
### 6.1. LTE Peak to Average Ratio(NTNV)(Subtest:1, Channel:20450, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)



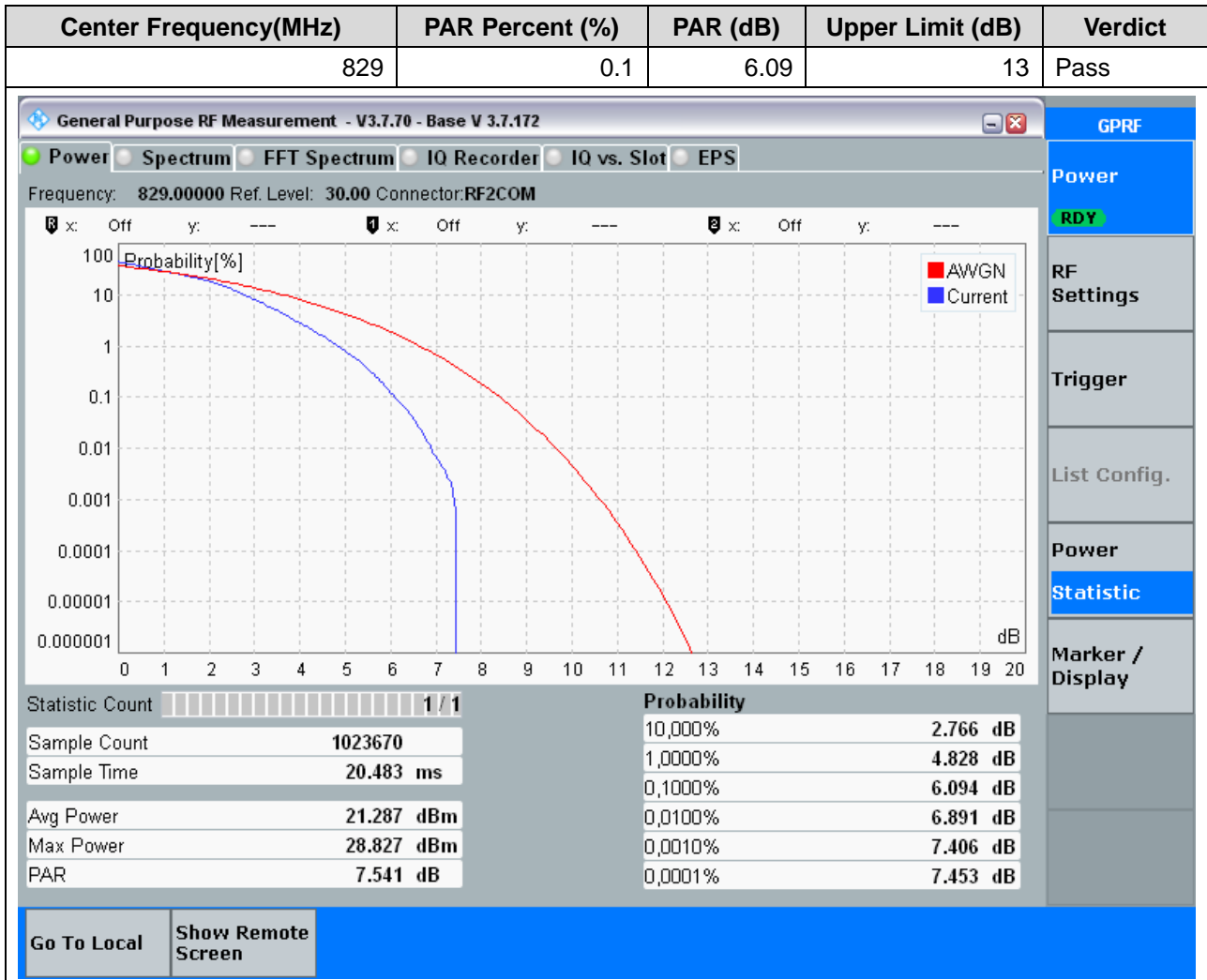
## 6.2. LTE Peak to Average Ratio(NTNV)(Subtest:2, Channel:20450, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)



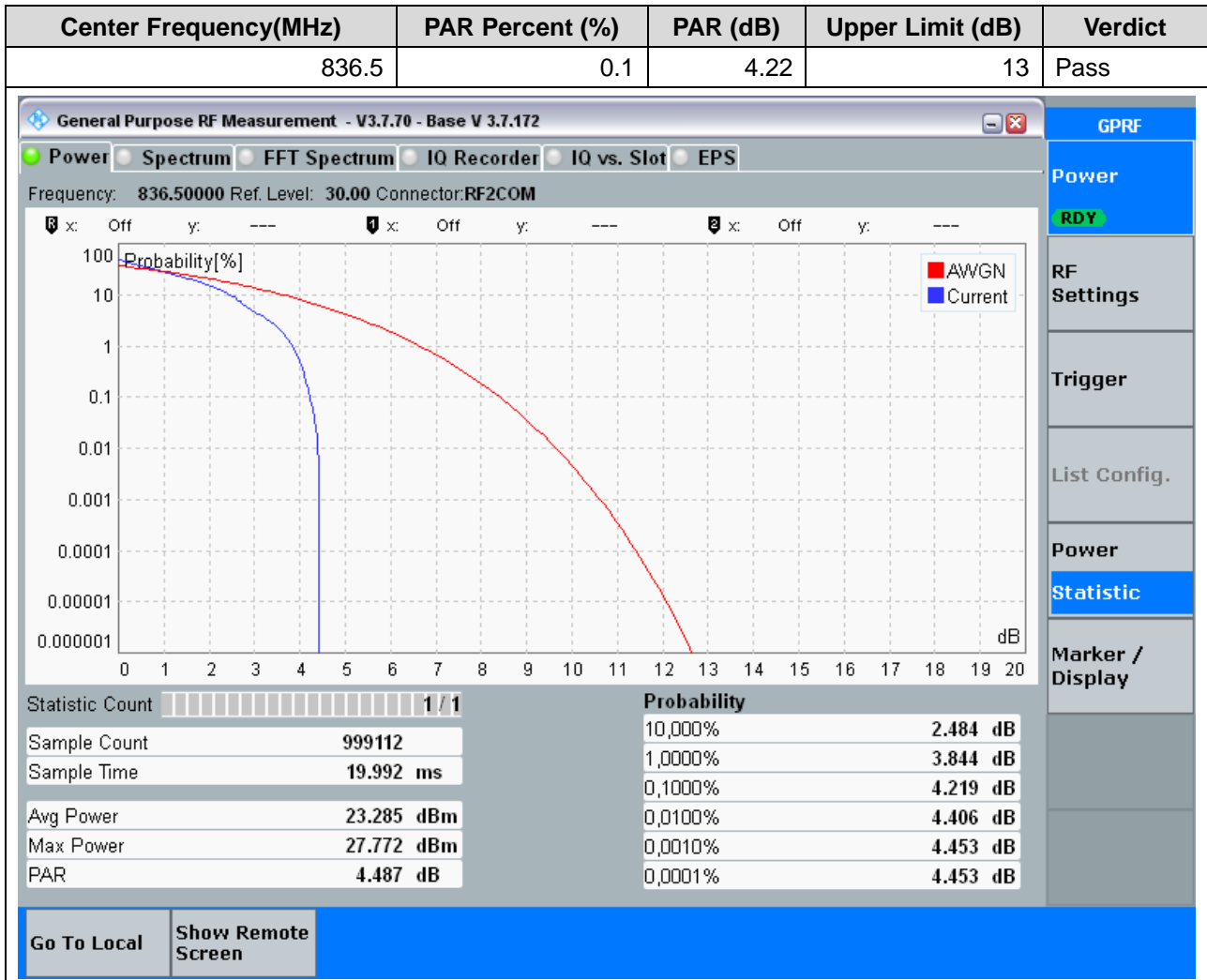
### 6.3. LTE Peak to Average Ratio(NTNV)(Subtest:3, Channel:20450, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:LOW)



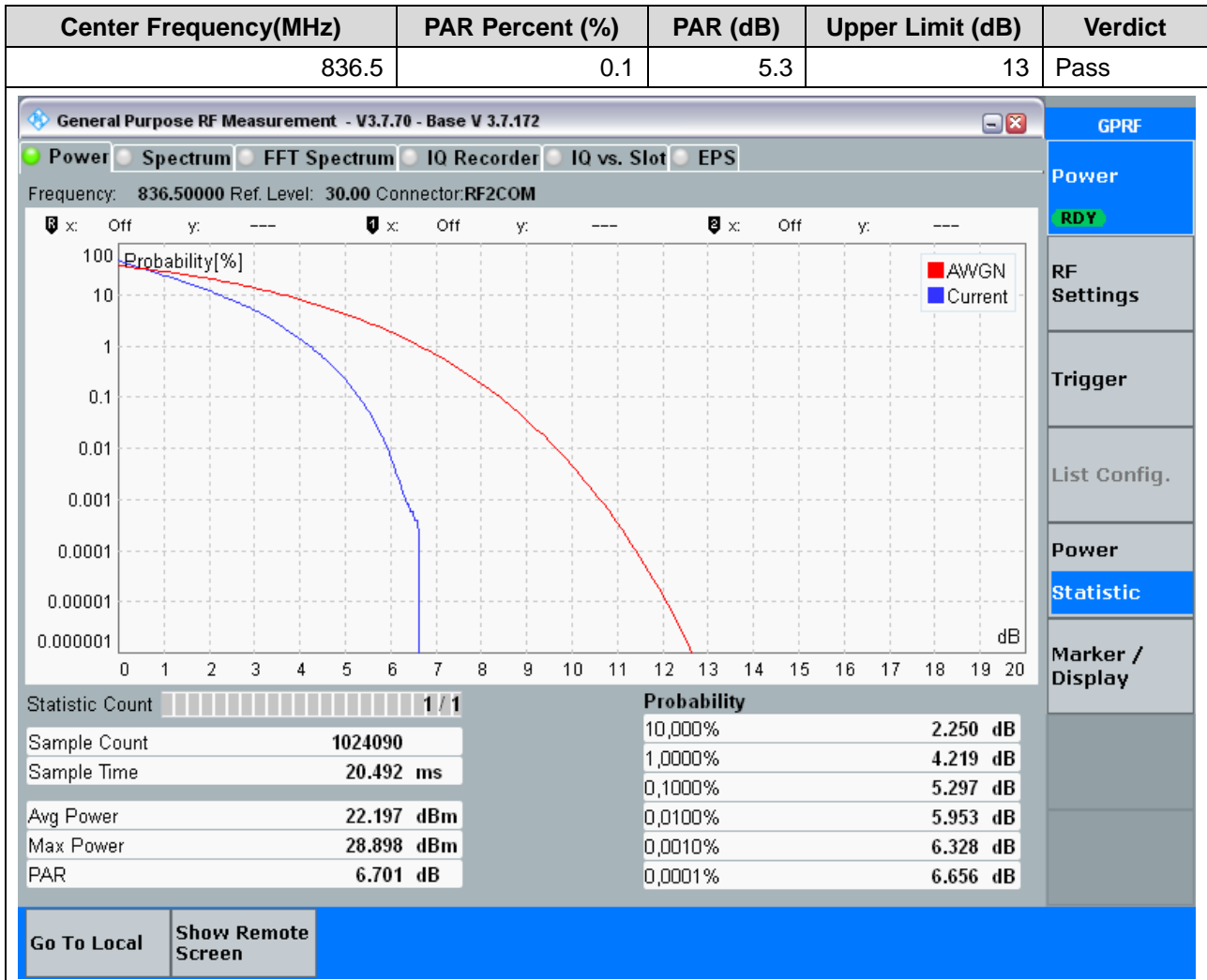
### 6.4. LTE Peak to Average Ratio(NTNV)(Subtest:4, Channel:20450, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)



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

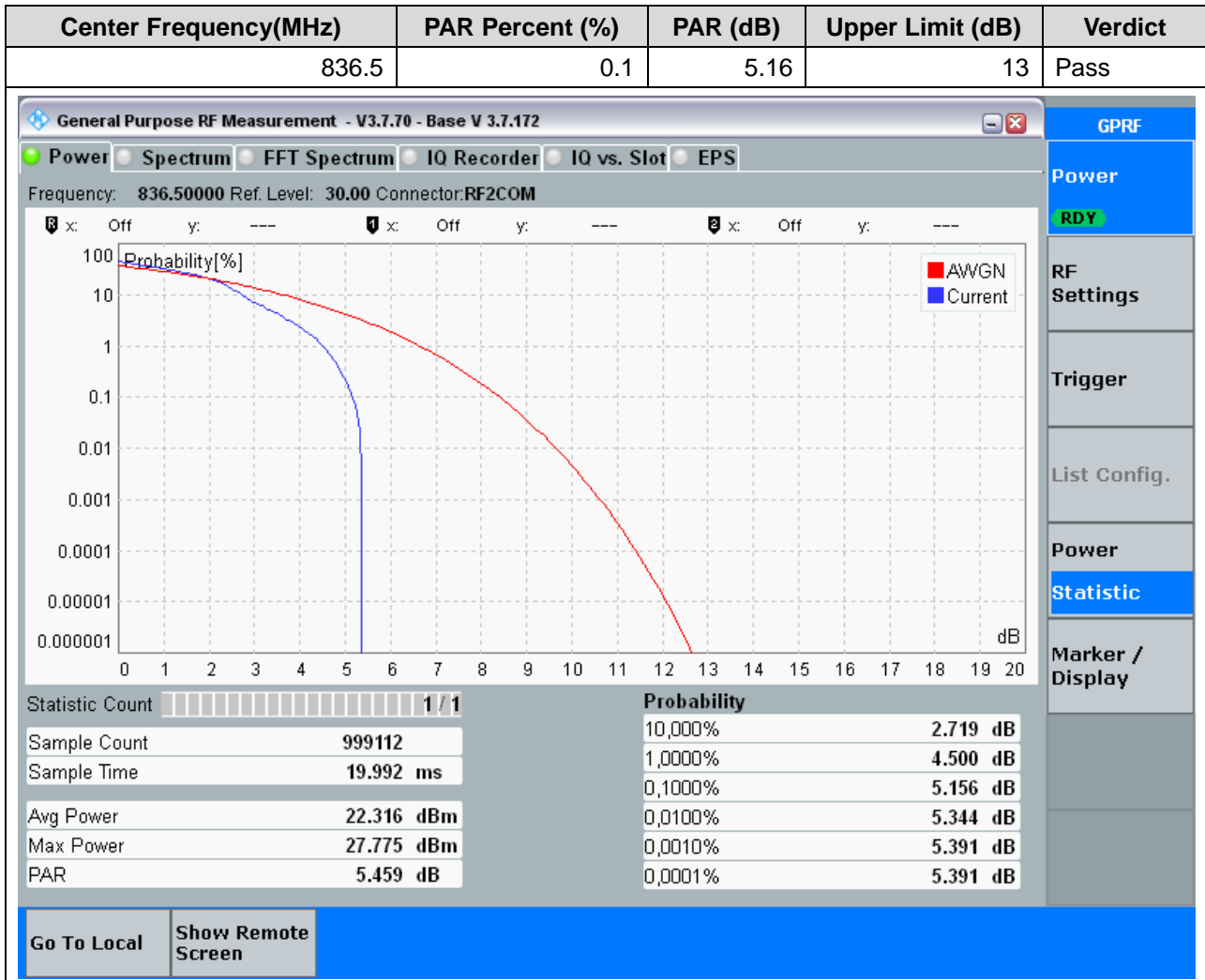


**6.6. LTE Peak to Average Ratio(NTNV)(Subtest:6, Channel:20525, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)**

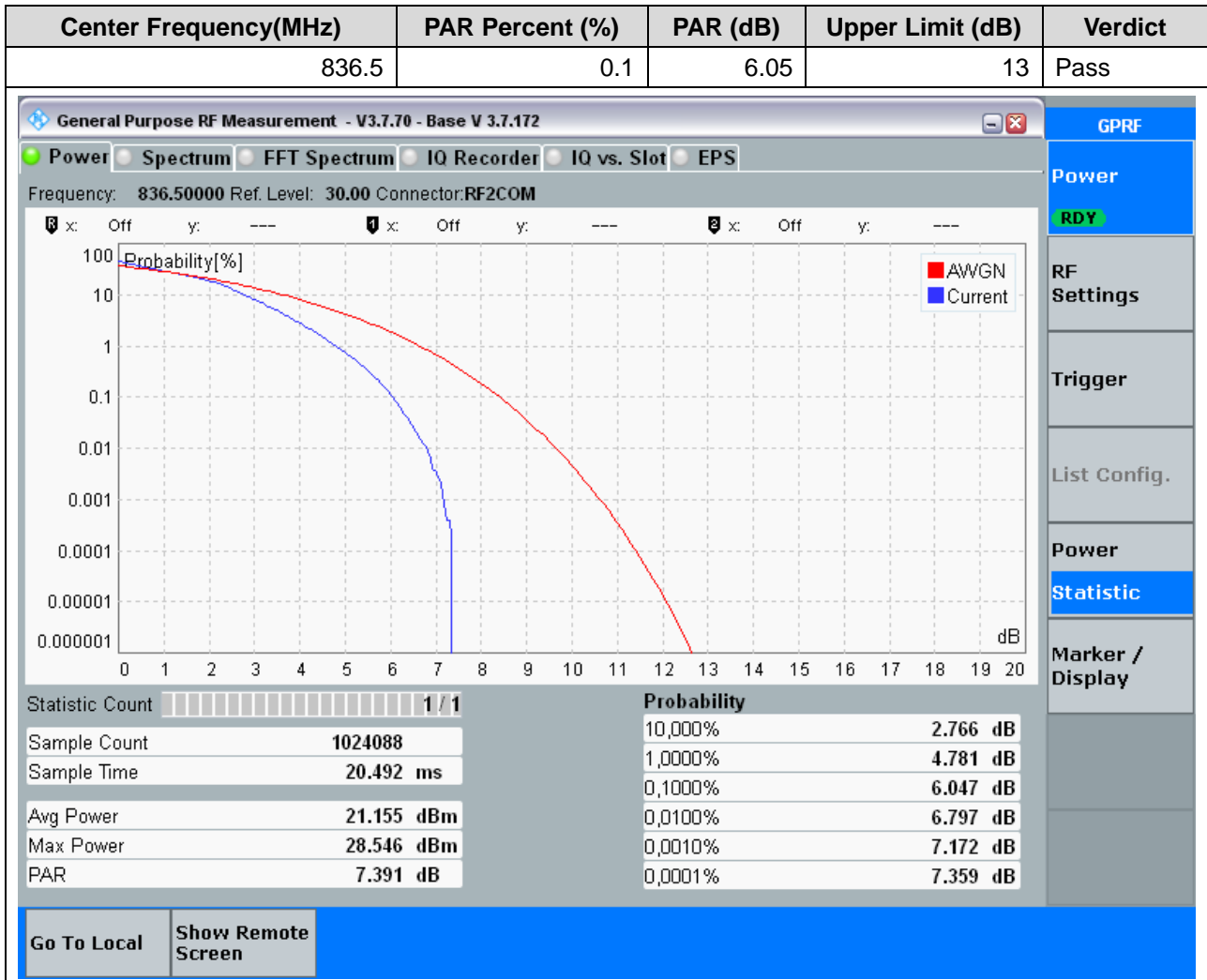




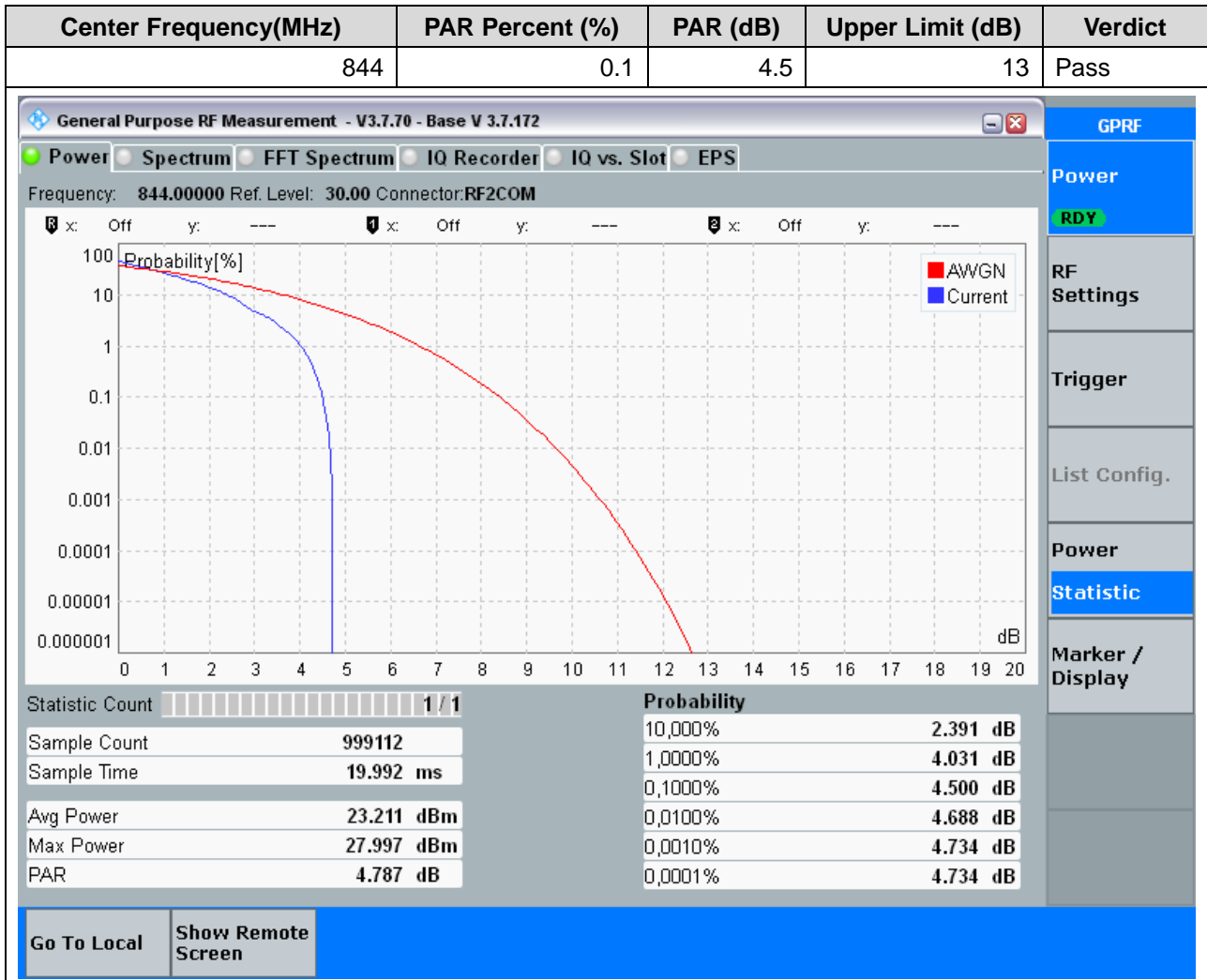
**6.7. LTE Peak to Average Ratio(NTNV)(Subtest:7, Channel:20525, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:LOW)**



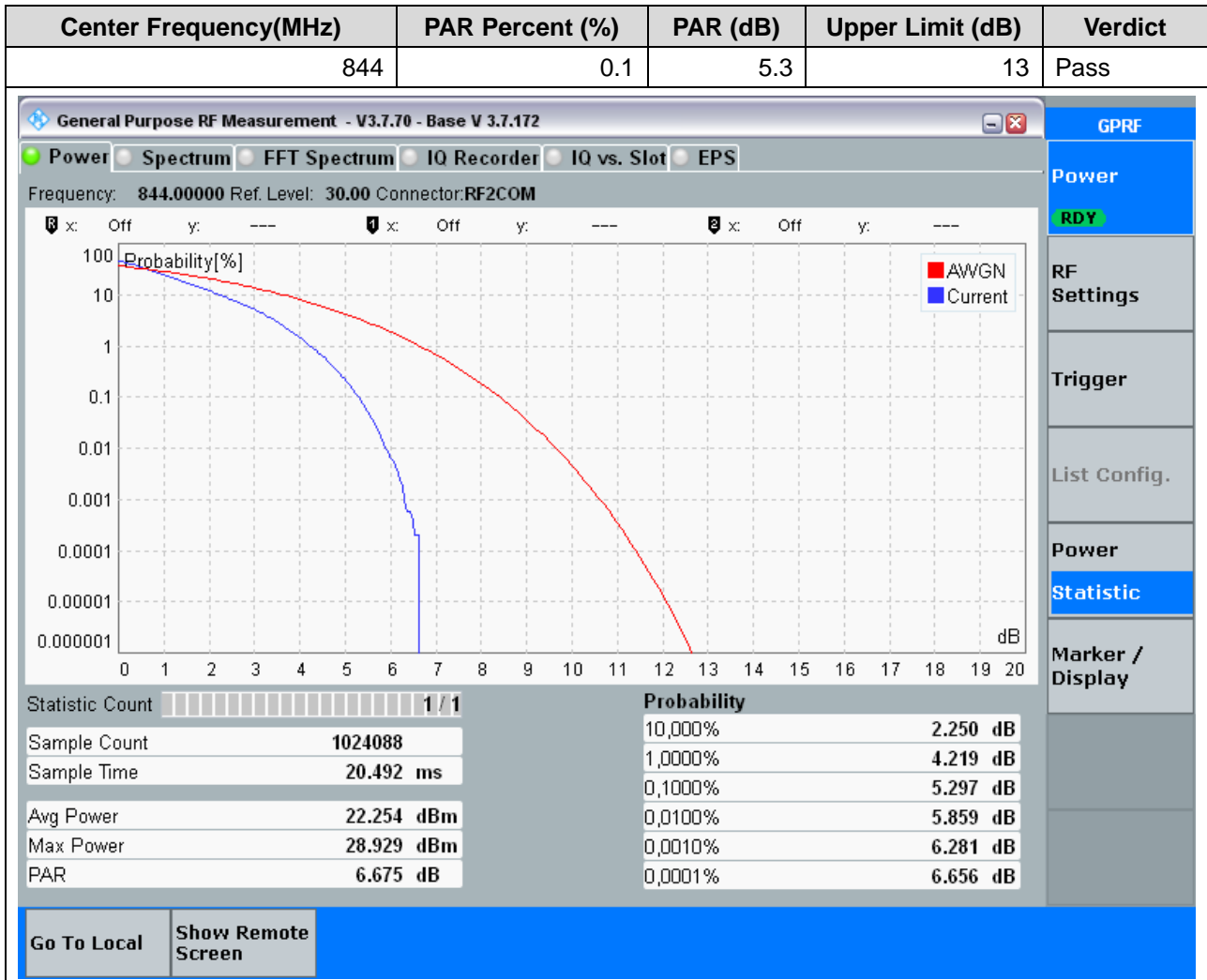
**6.8. LTE Peak to Average Ratio(NTNV)(Subtest:8, Channel:20525, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)**



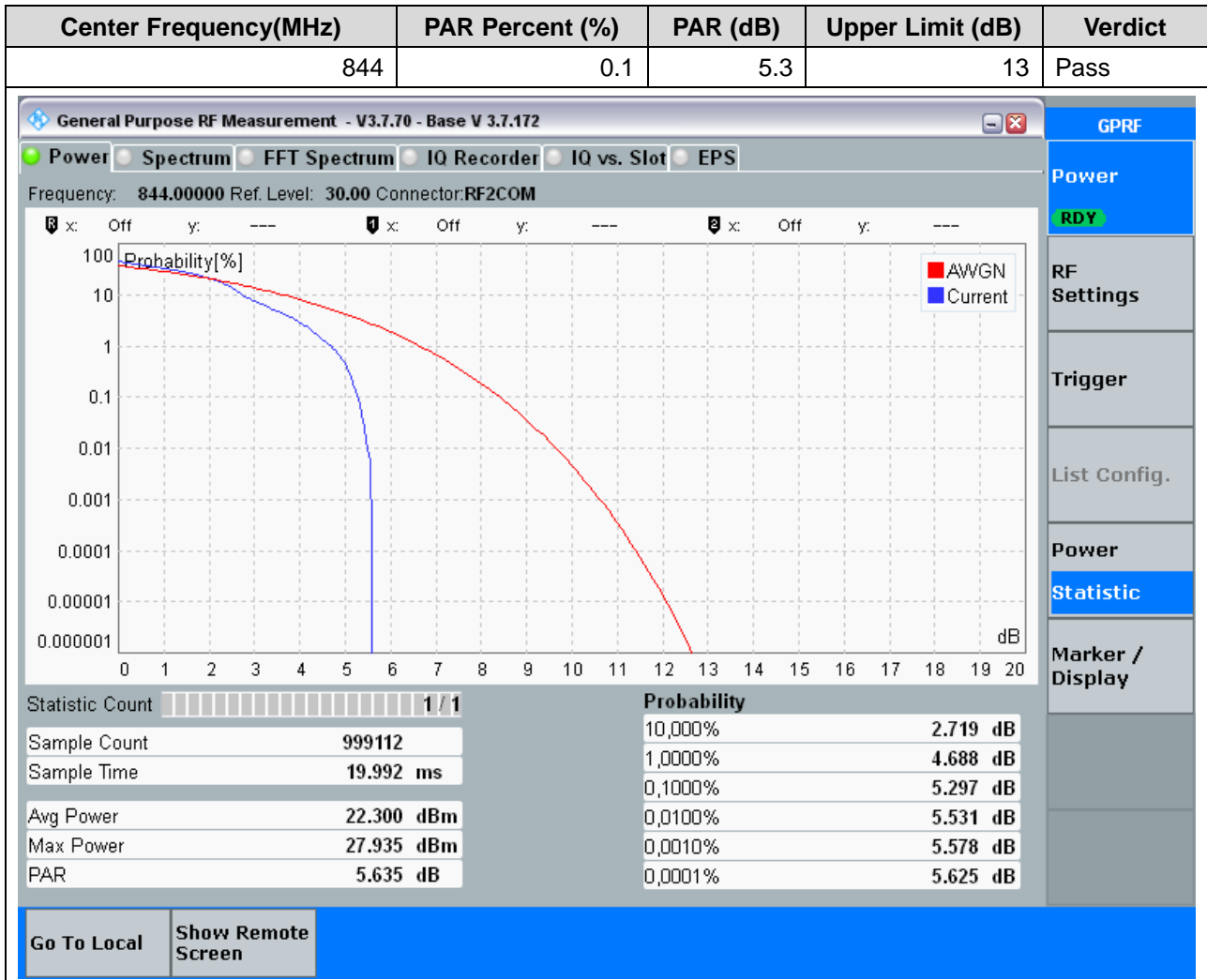
### 6.9. LTE Peak to Average Ratio(NTNV)(Subtest:9, Channel:20600, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)



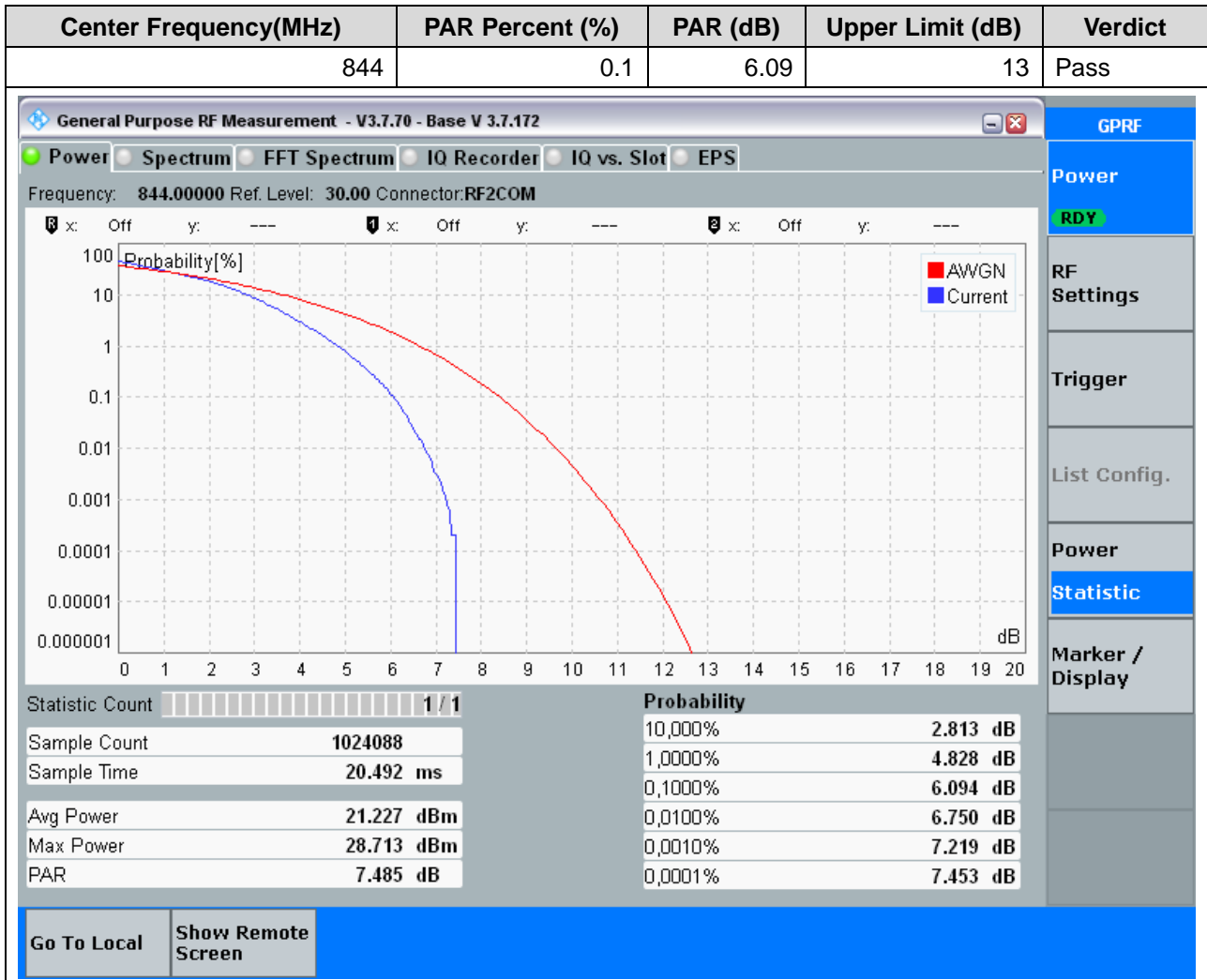
**6.10. LTE Peak to Average Ratio(NTNV)(Subtest:10, Channel:20600, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)**



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

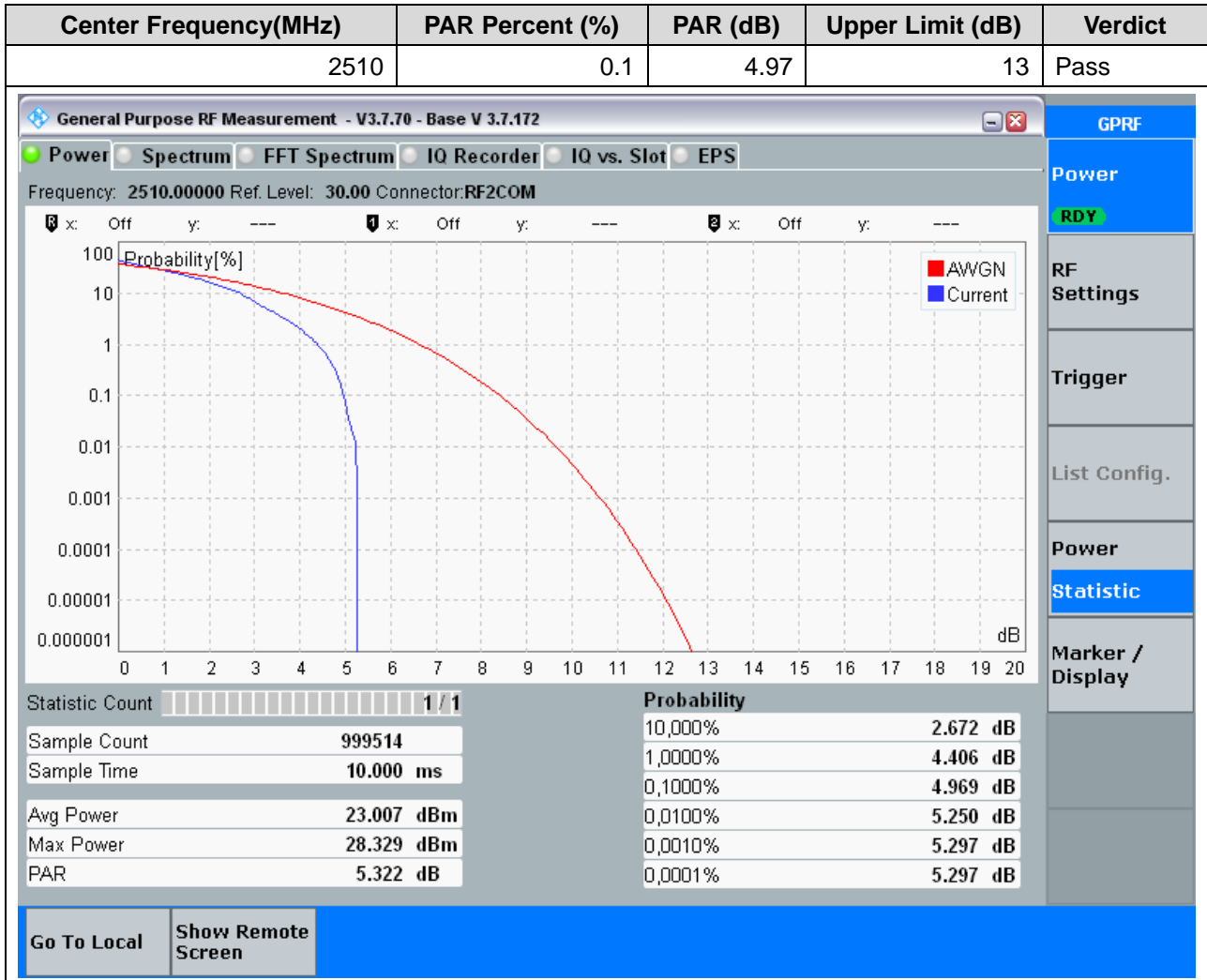


**6.12. LTE Peak to Average Ratio(NTNV)(Subtest:12, Channel:20600, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)**

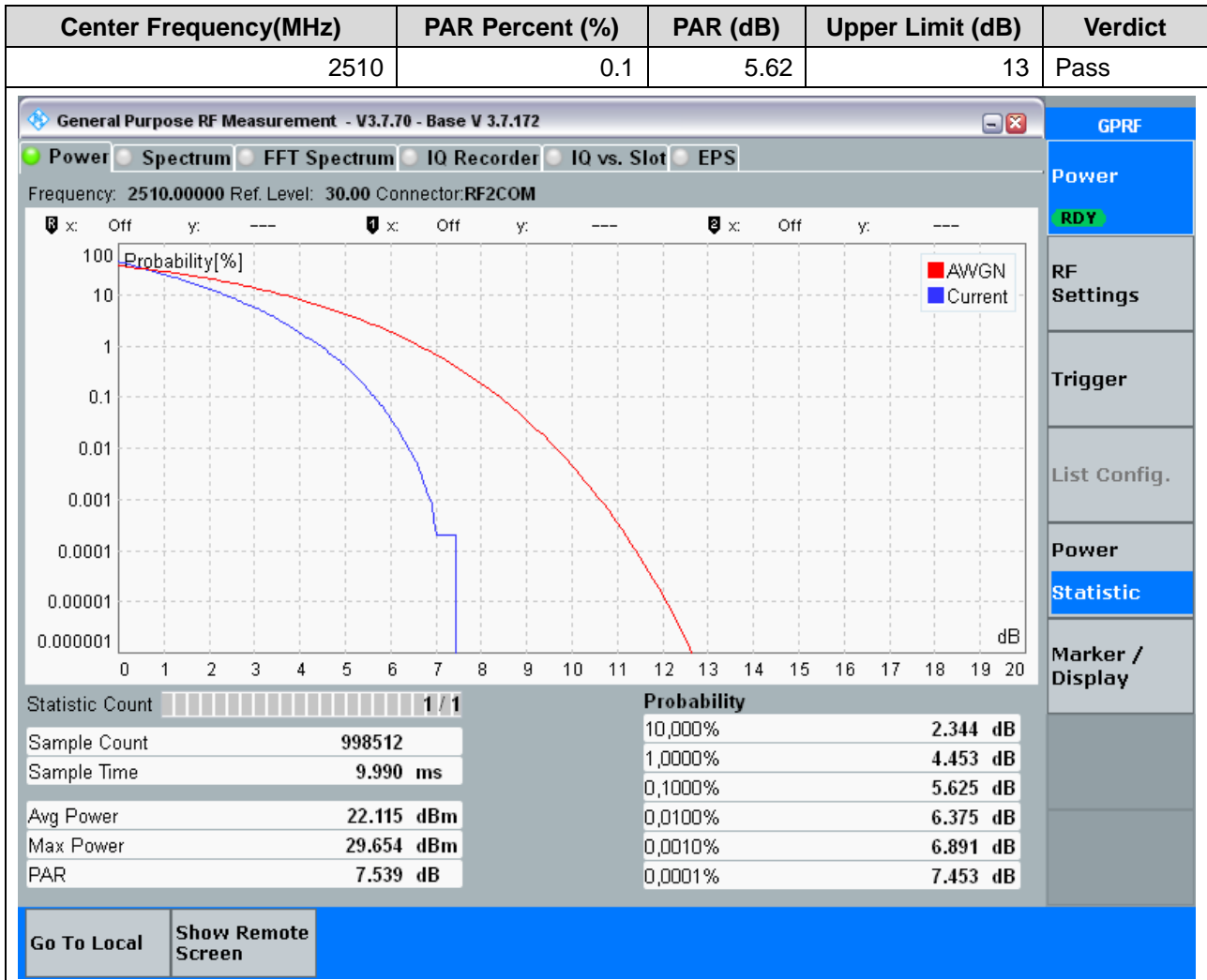


## 7. LTE\_Band7

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

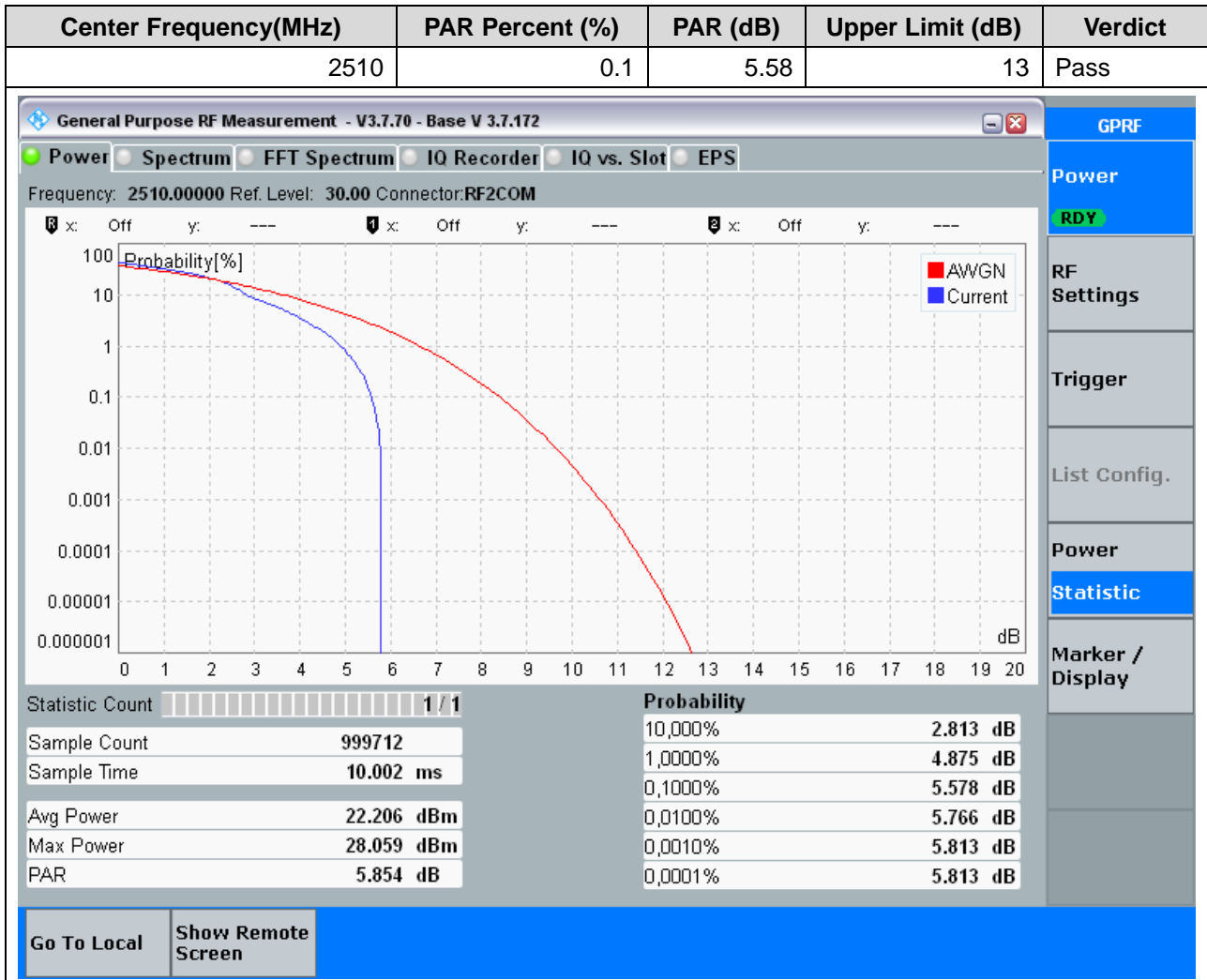


## 7.2. LTE Peak to Average Ratio(NTNV)(Subtest:2, Channel:20850, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)

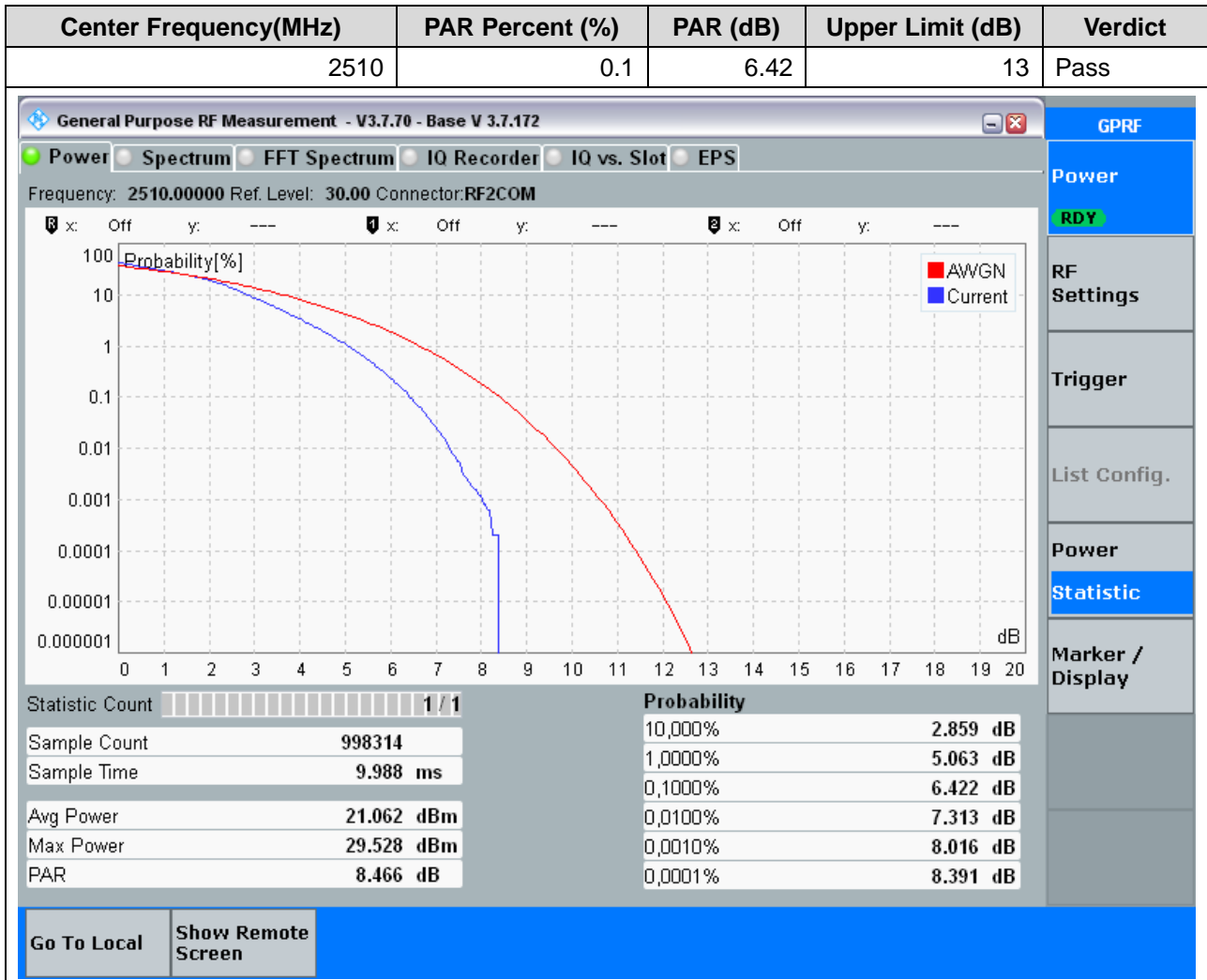




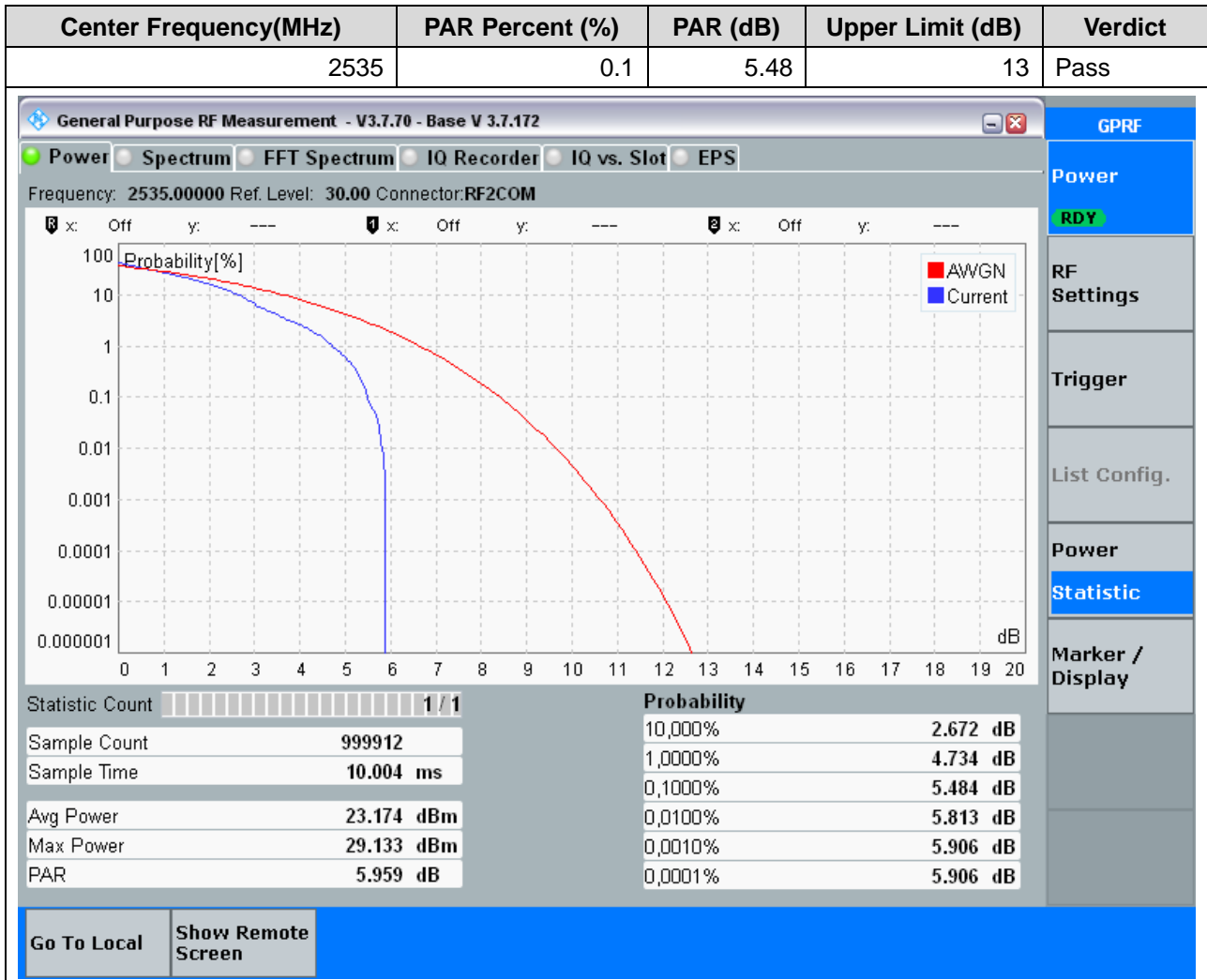
### 7.3. LTE Peak to Average Ratio(NTNV)(Subtest:3, Channel:20850, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)



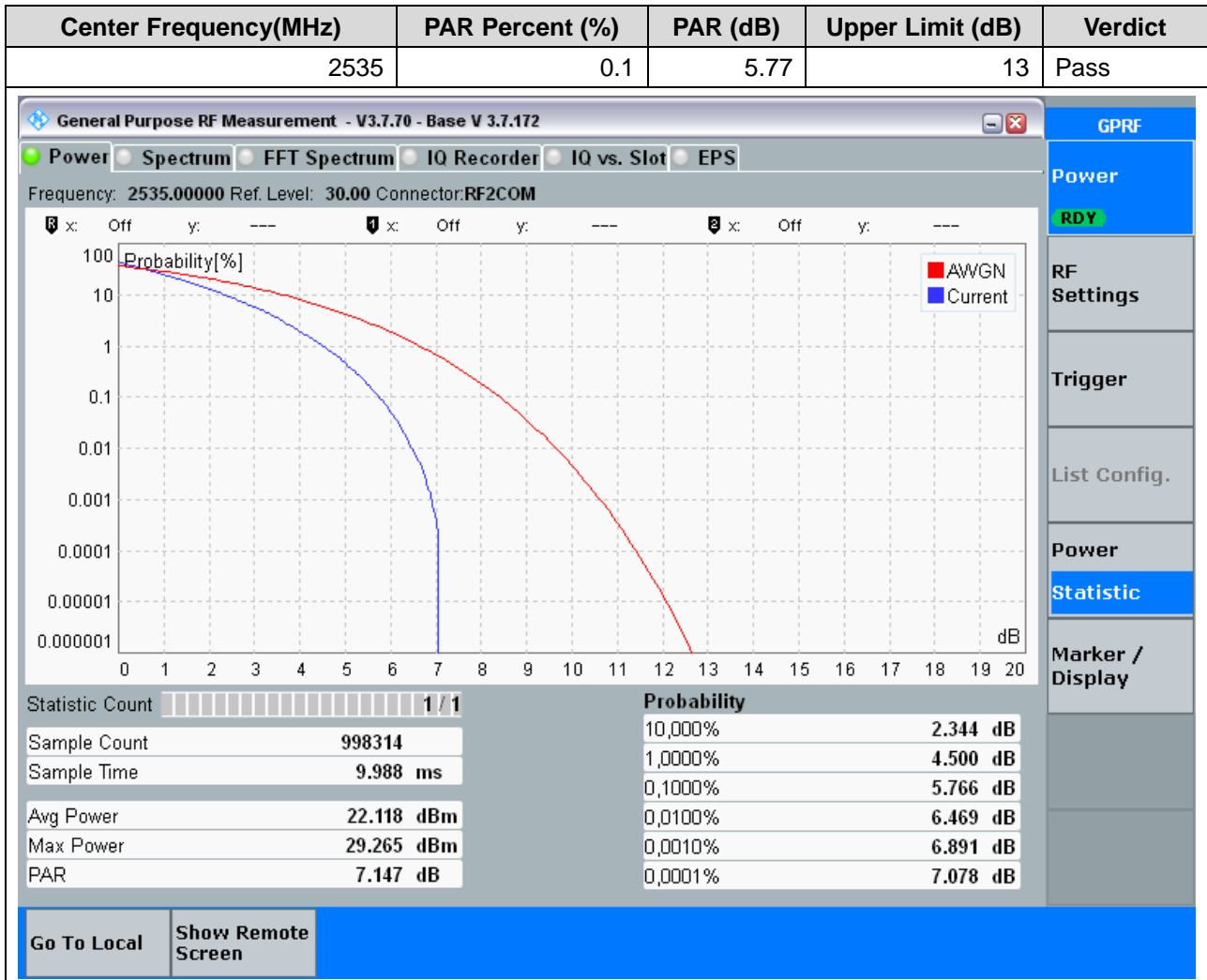
**7.4. LTE Peak to Average Ratio(NTNV)(Subtest:4, Channel:20850, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)**



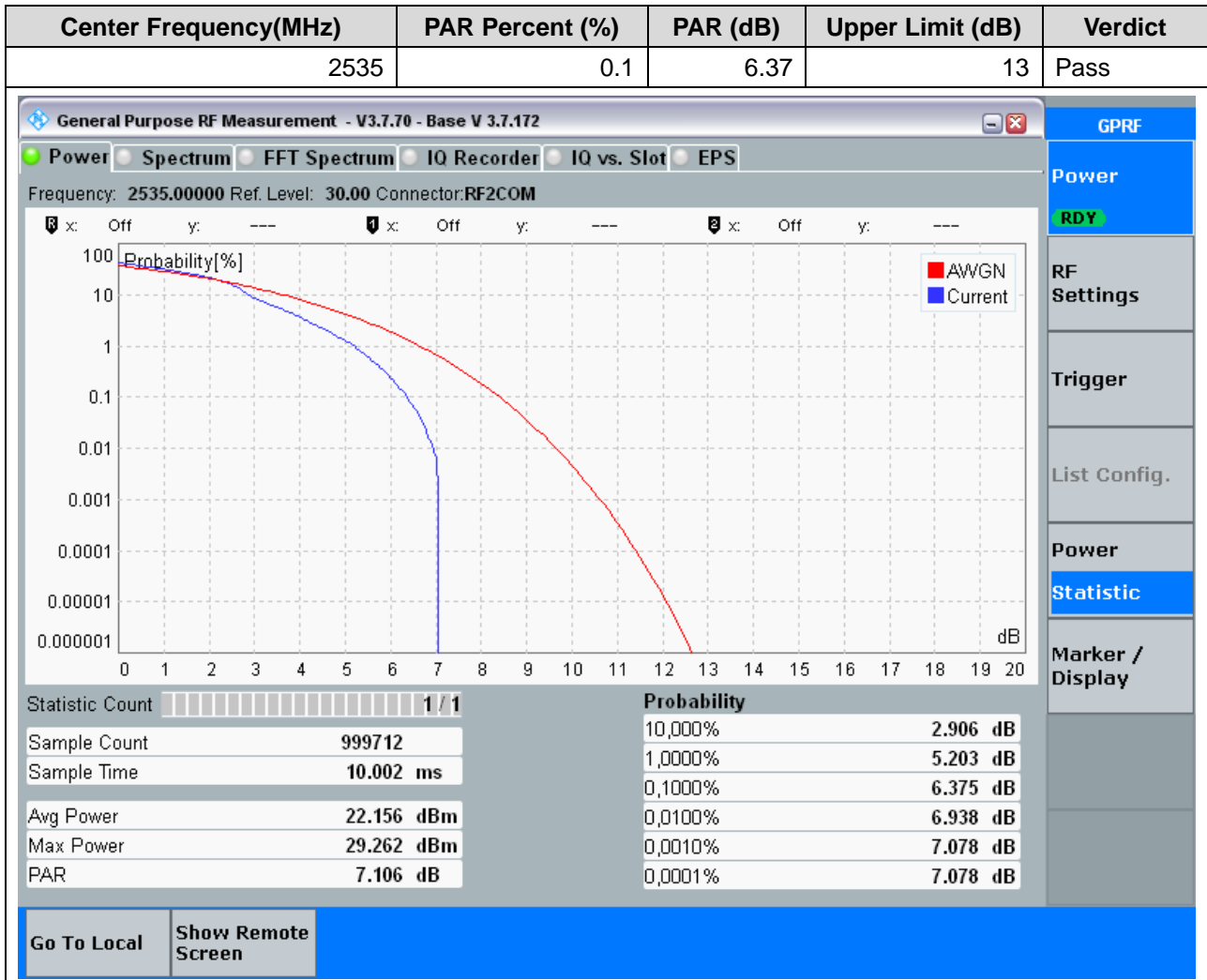
**7.5. LTE Peak to Average Ratio(NTNV)(Subtest:5, Channel:21100, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)**



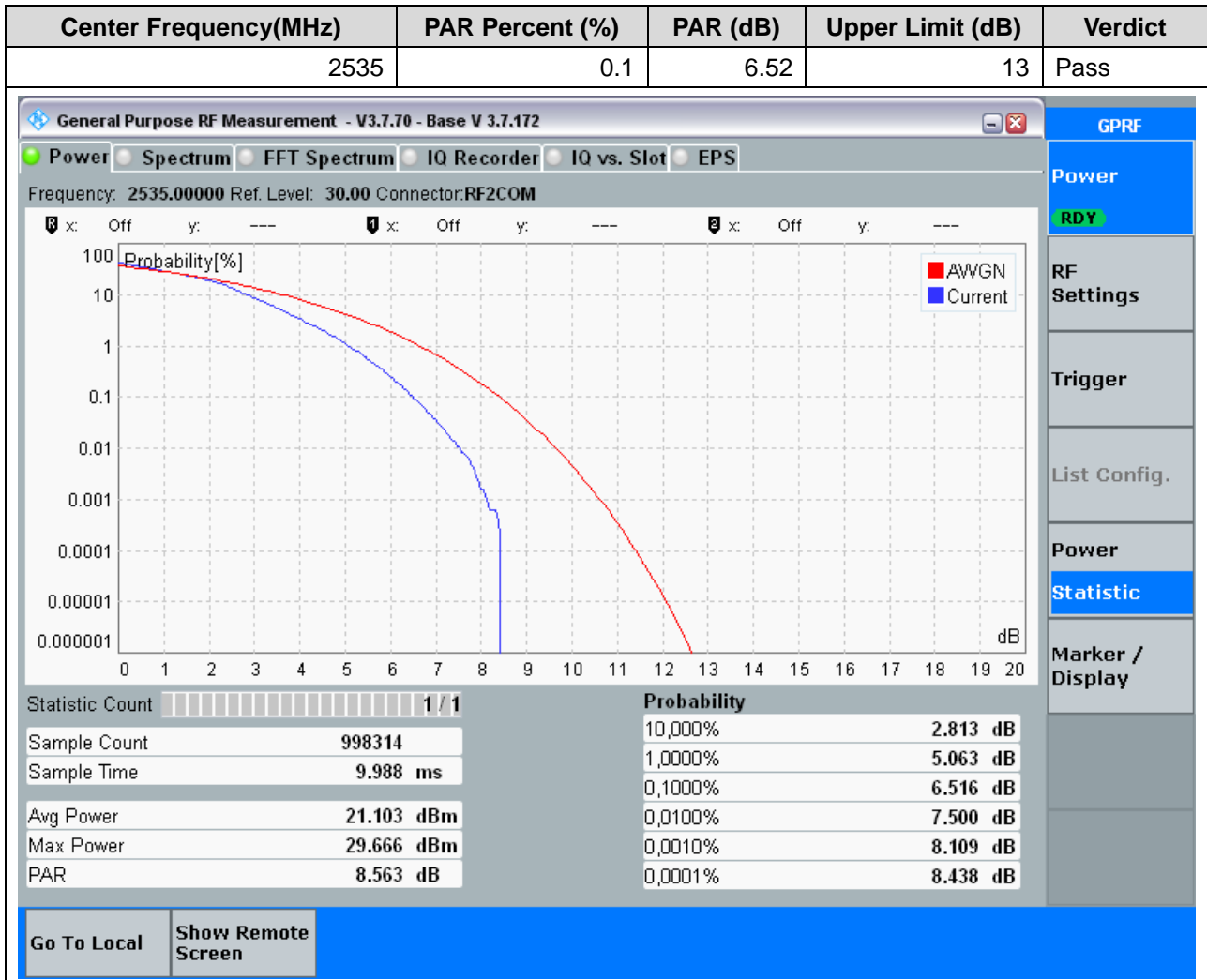
**7.6. LTE Peak to Average Ratio(NTNV)(Subtest:6, Channel:21100, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)**



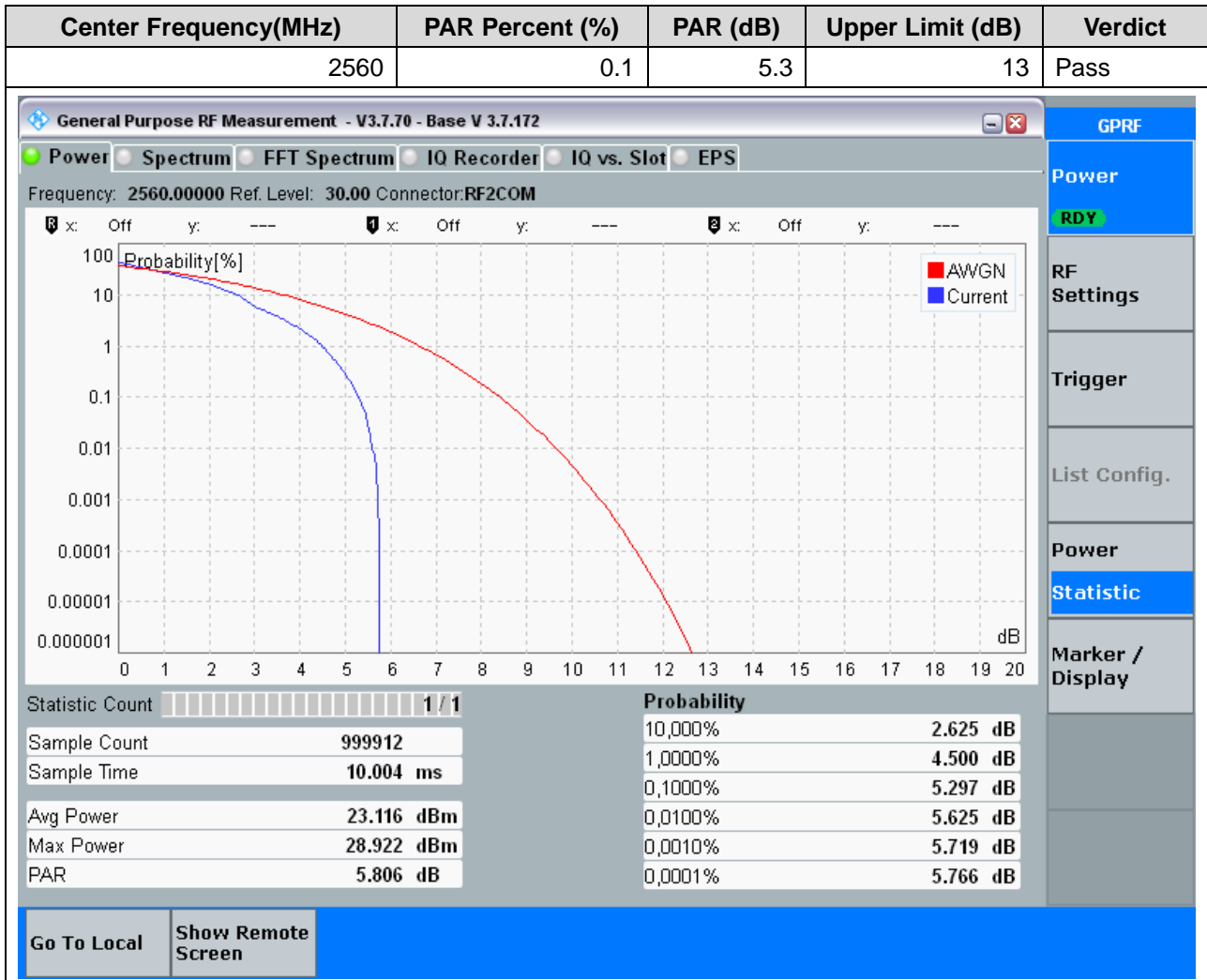
**7.7. LTE Peak to Average Ratio(NTNV)(Subtest:7, Channel:21100, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)**



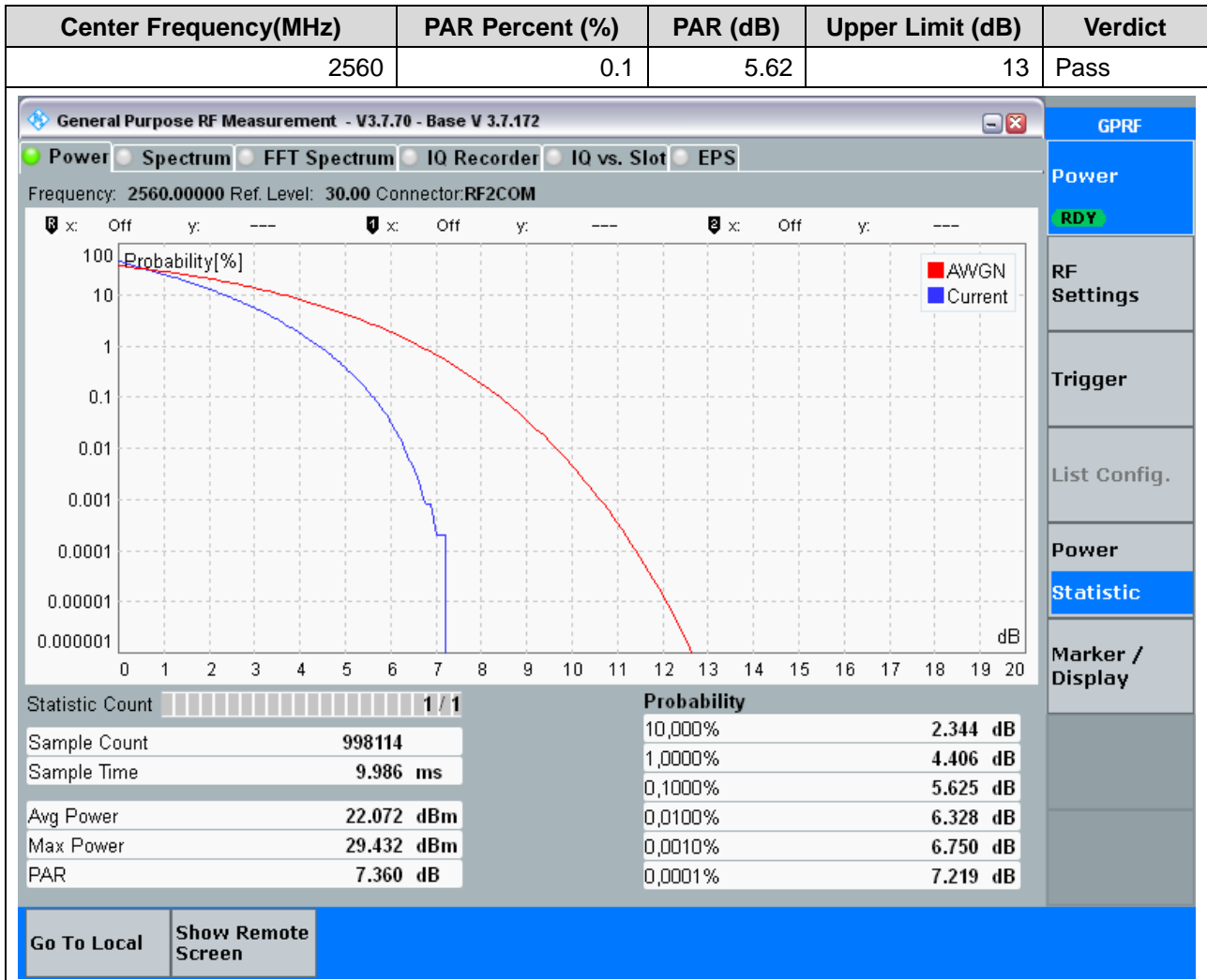
**7.8. LTE Peak to Average Ratio(NTNV)(Subtest:8, Channel:21100, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)**



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

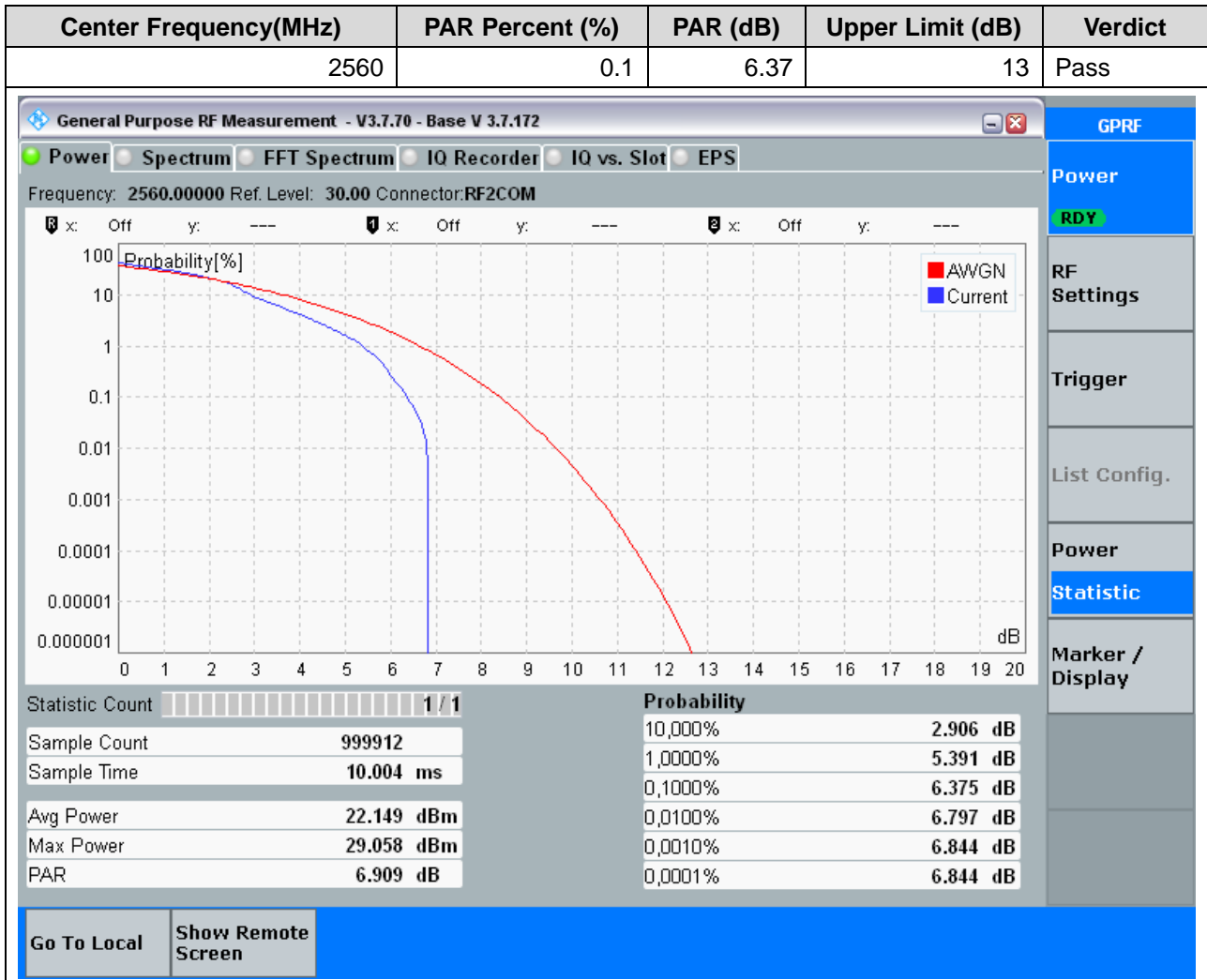


**7.10. LTE Peak to Average Ratio(NTNV)(Subtest:10, Channel:21350, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)**

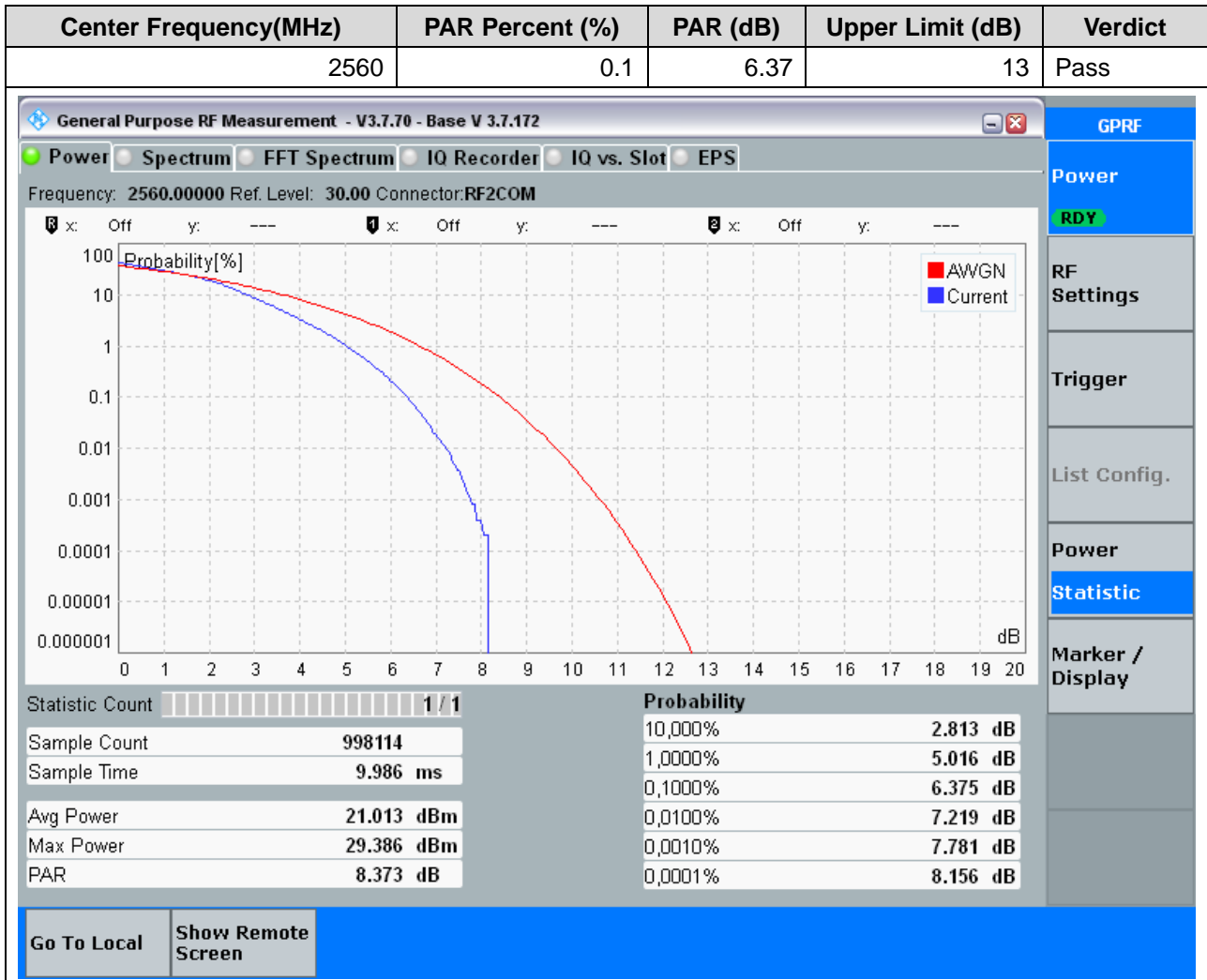




**7.11. LTE Peak to Average Ratio(NTNV)(Subtest:11, Channel:21350, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)**

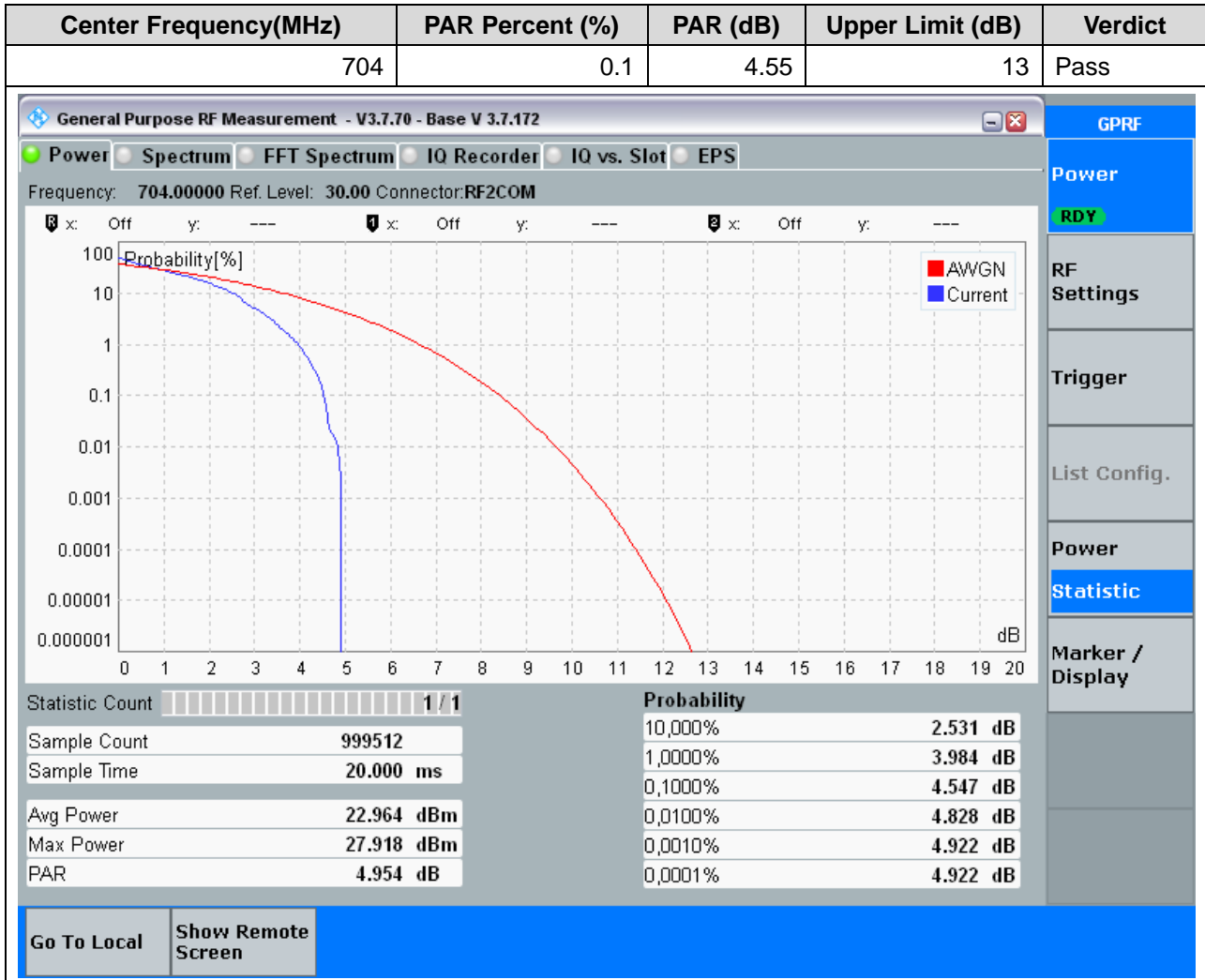


**7.12. LTE Peak to Average Ratio(NTNV)(Subtest:12, Channel:21350, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)**

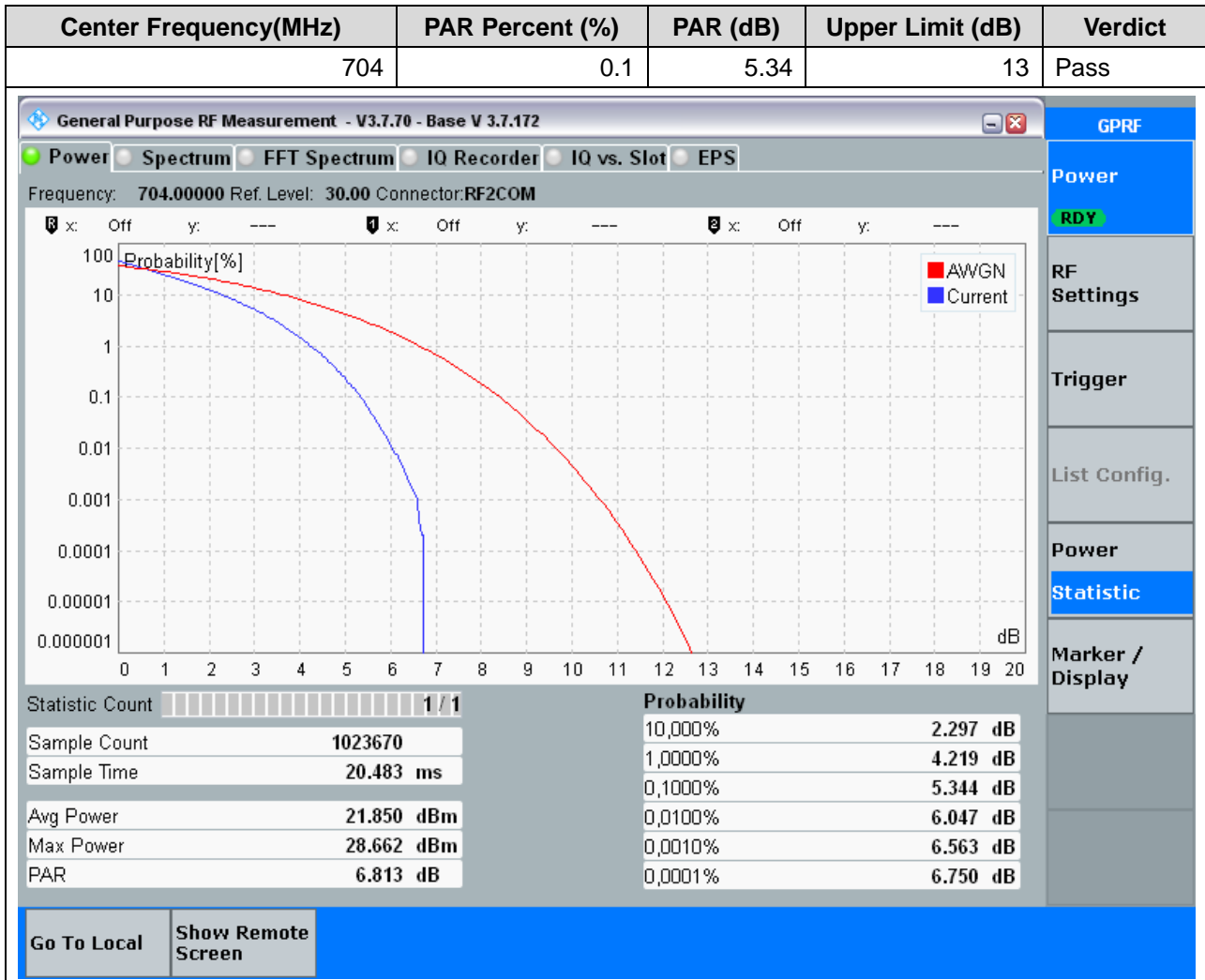


## 8. LTE\_Band12

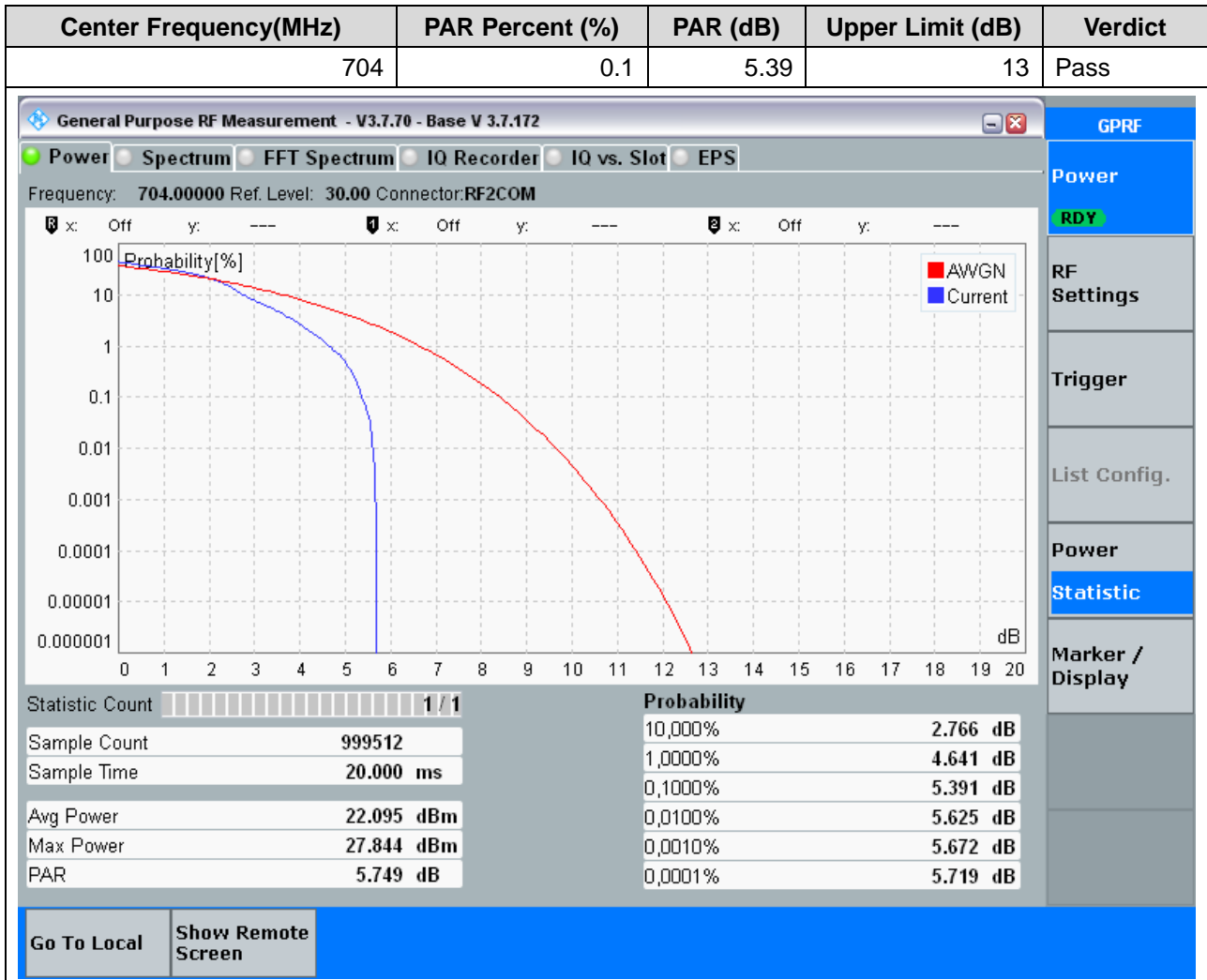
### 8.1. LTE Peak to Average Ratio(NTNV)(Subtest:1, Channel:23060, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)



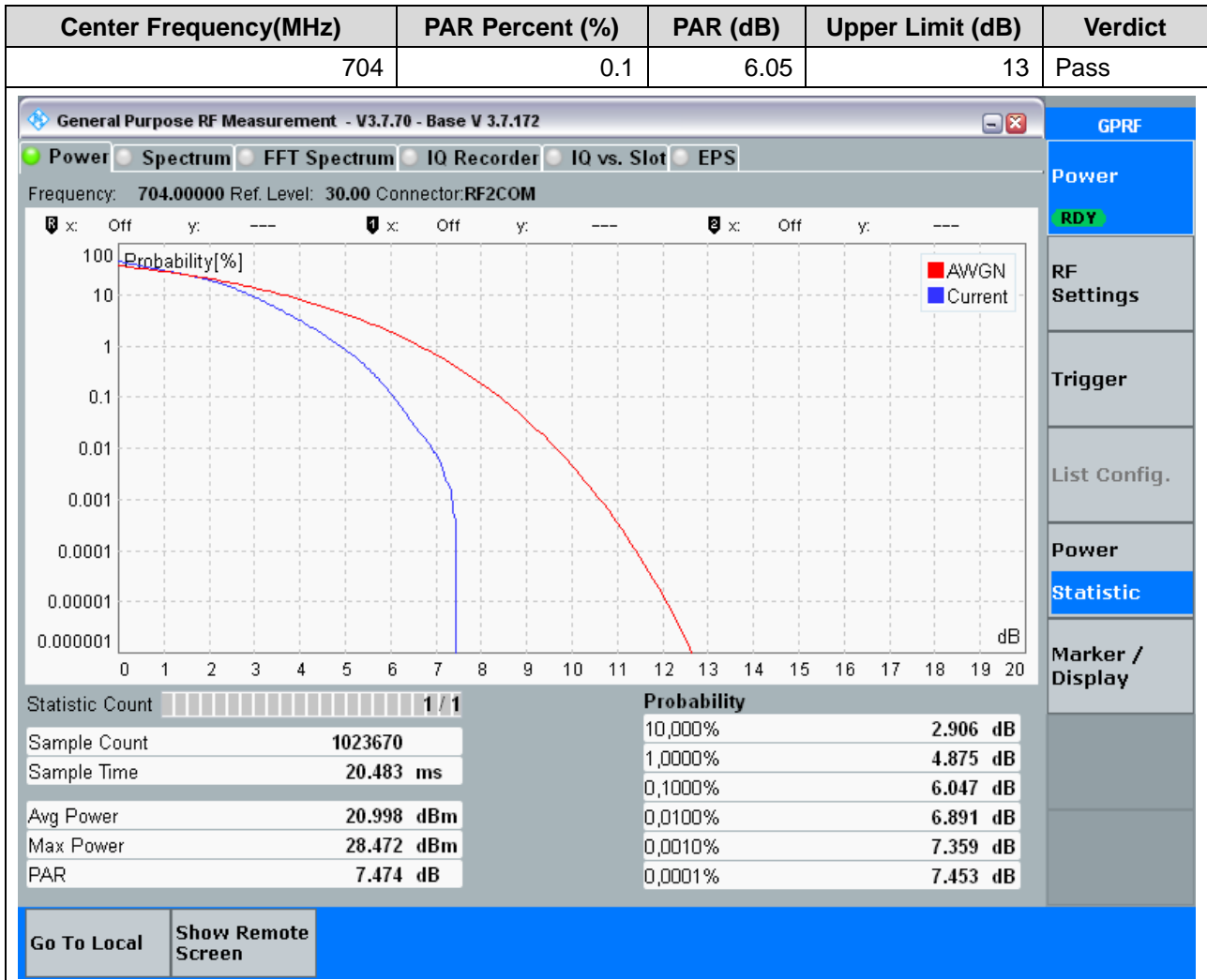
## 8.2. LTE Peak to Average Ratio(NTNV)(Subtest:2, Channel:23060, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)



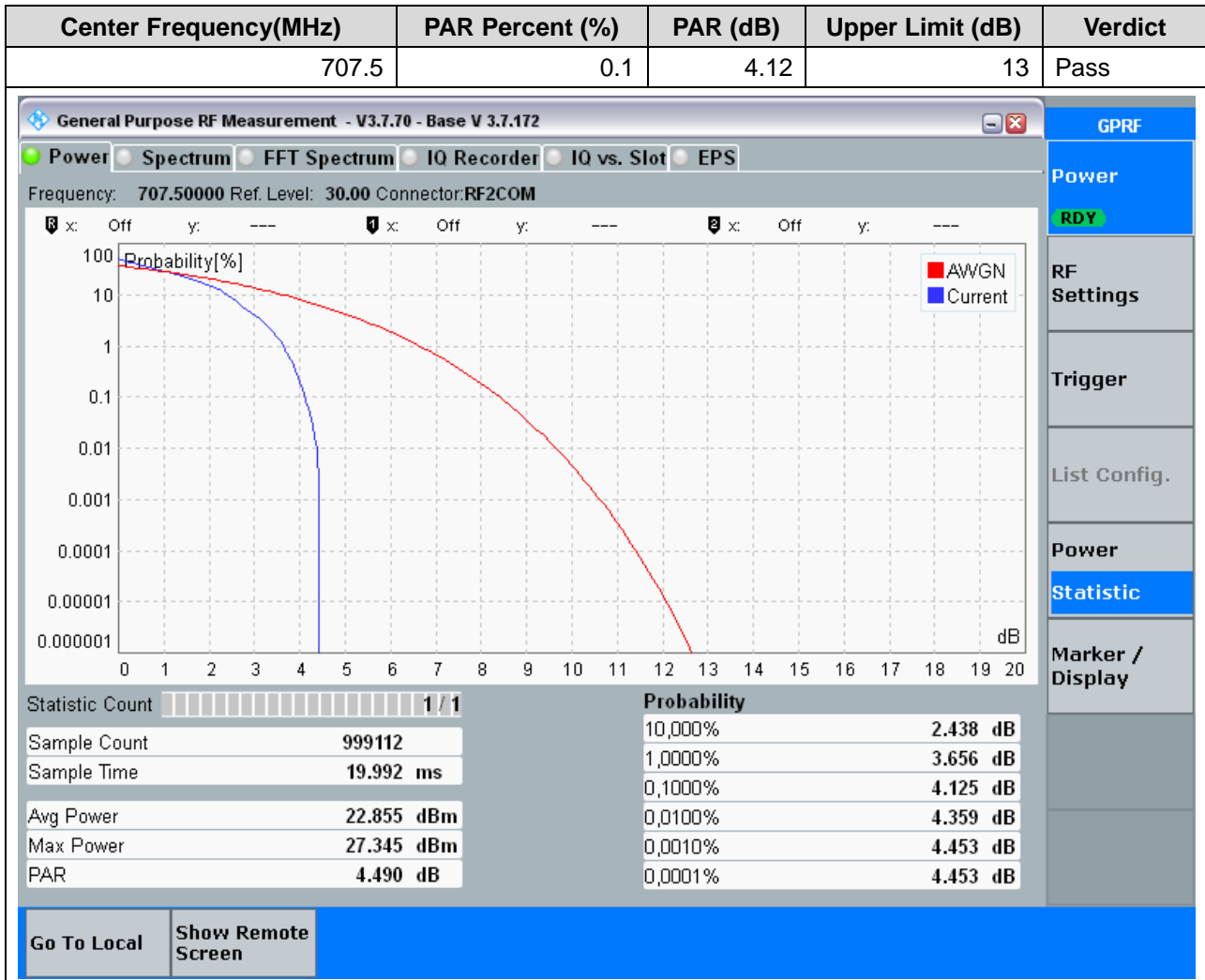
### 8.3. LTE Peak to Average Ratio(NTNV)(Subtest:3, Channel:23060, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:LOW)



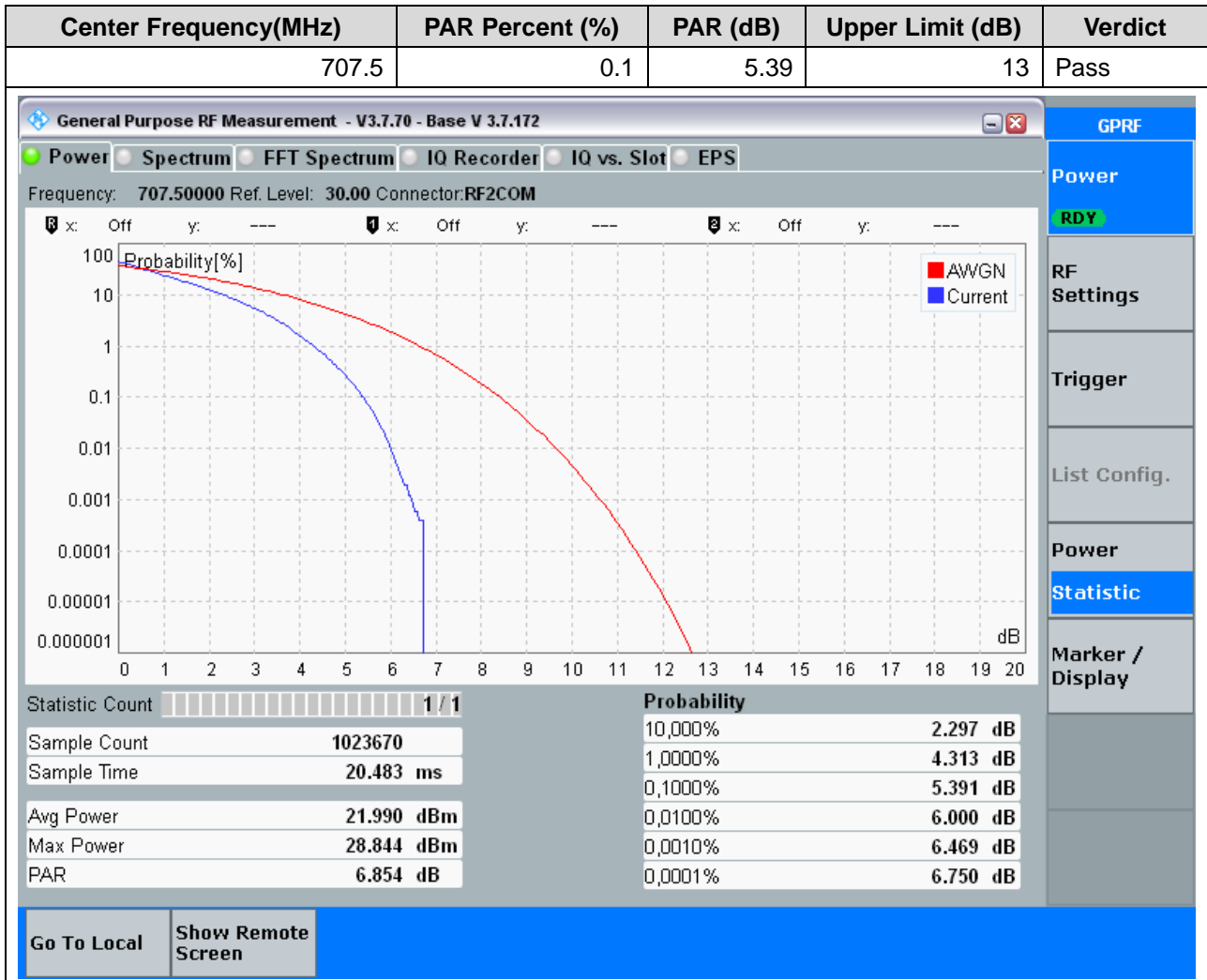
### 8.4. LTE Peak to Average Ratio(NTNV)(Subtest:4, Channel:23060, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)



### 8.5. LTE Peak to Average Ratio(NTNV)(Subtest:5, Channel:23095, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)

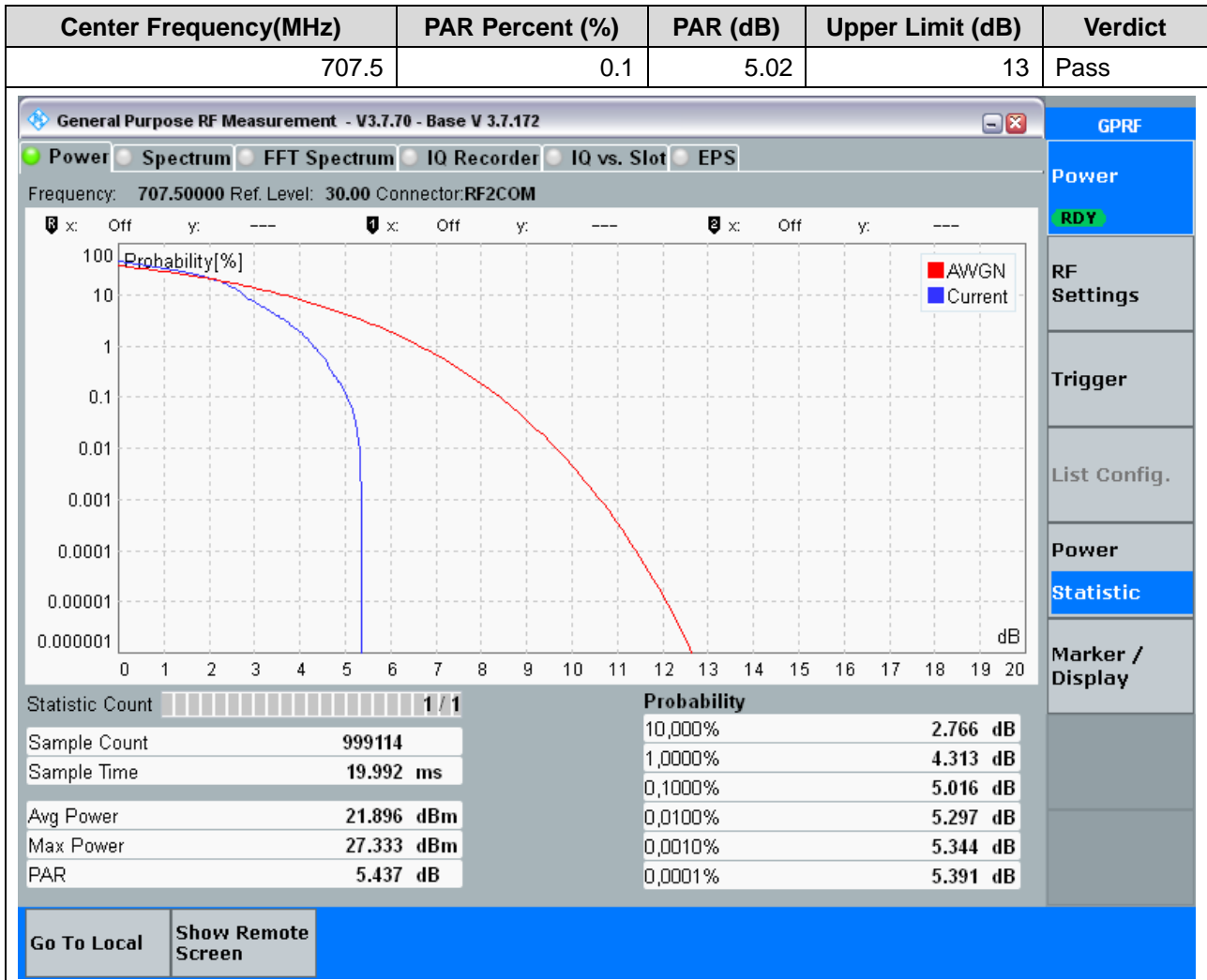


**8.6. LTE Peak to Average Ratio(NTNV)(Subtest:6, Channel:23095, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)**

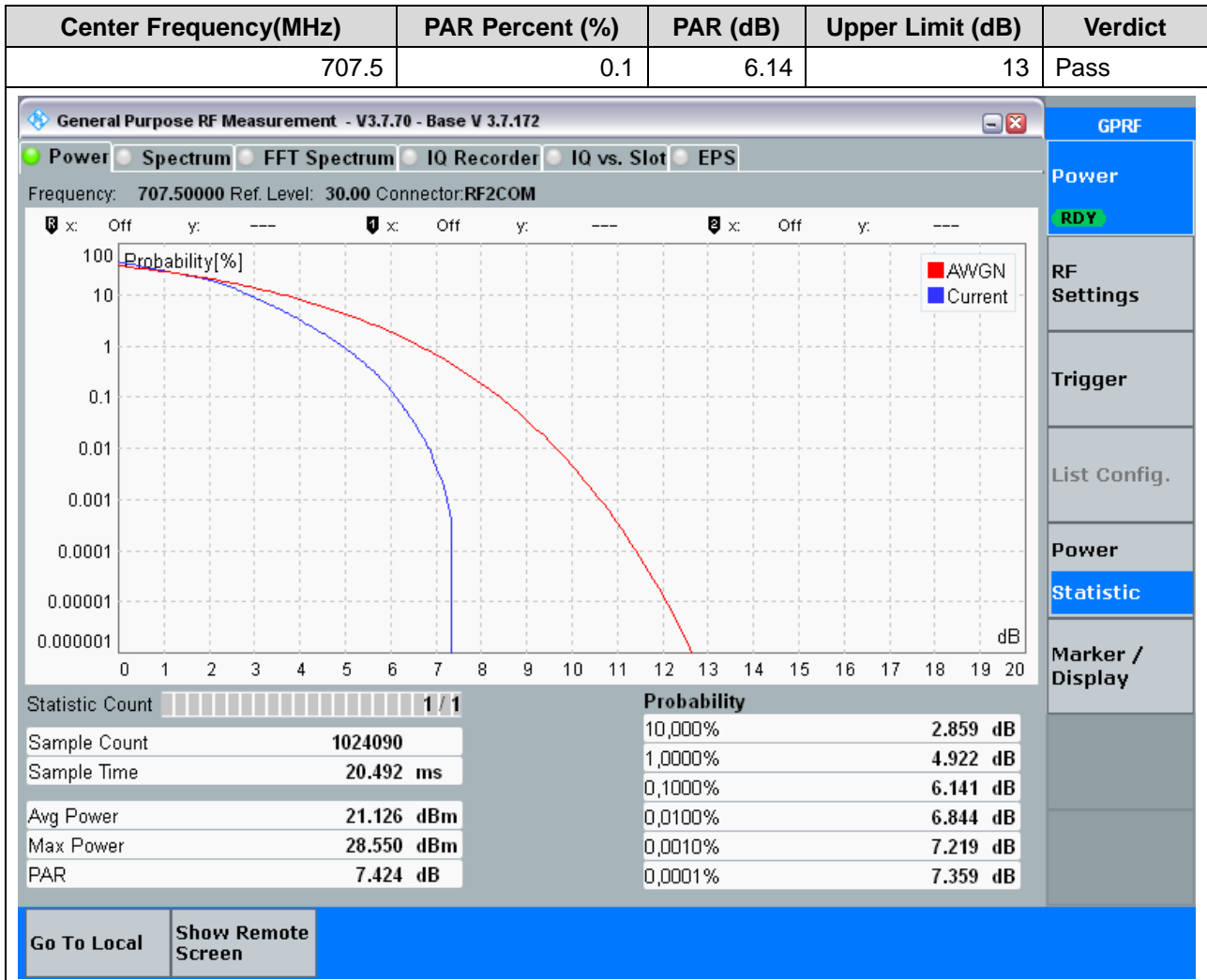




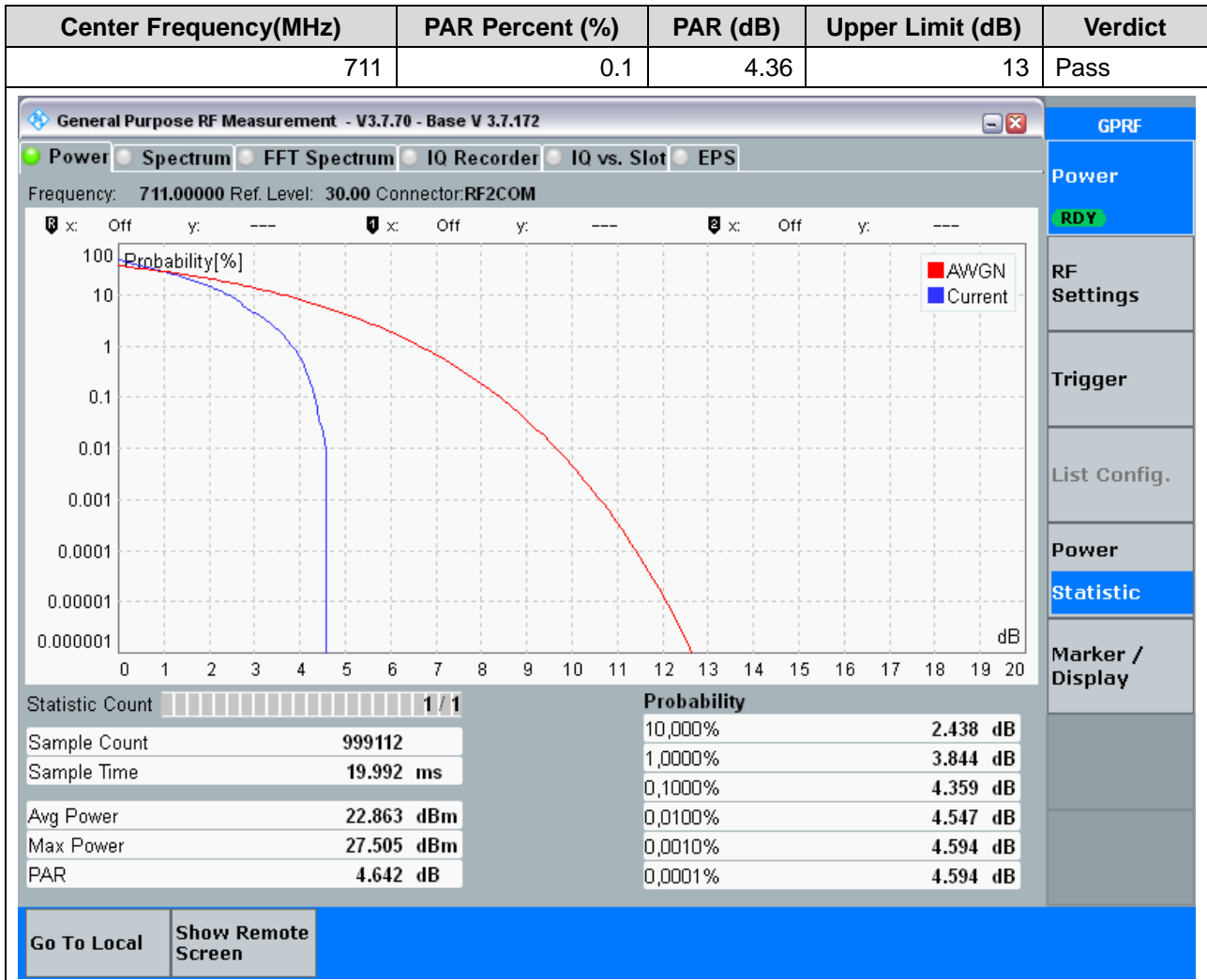
### 8.7. LTE Peak to Average Ratio(NTNV)(Subtest:7, Channel:23095, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:LOW)



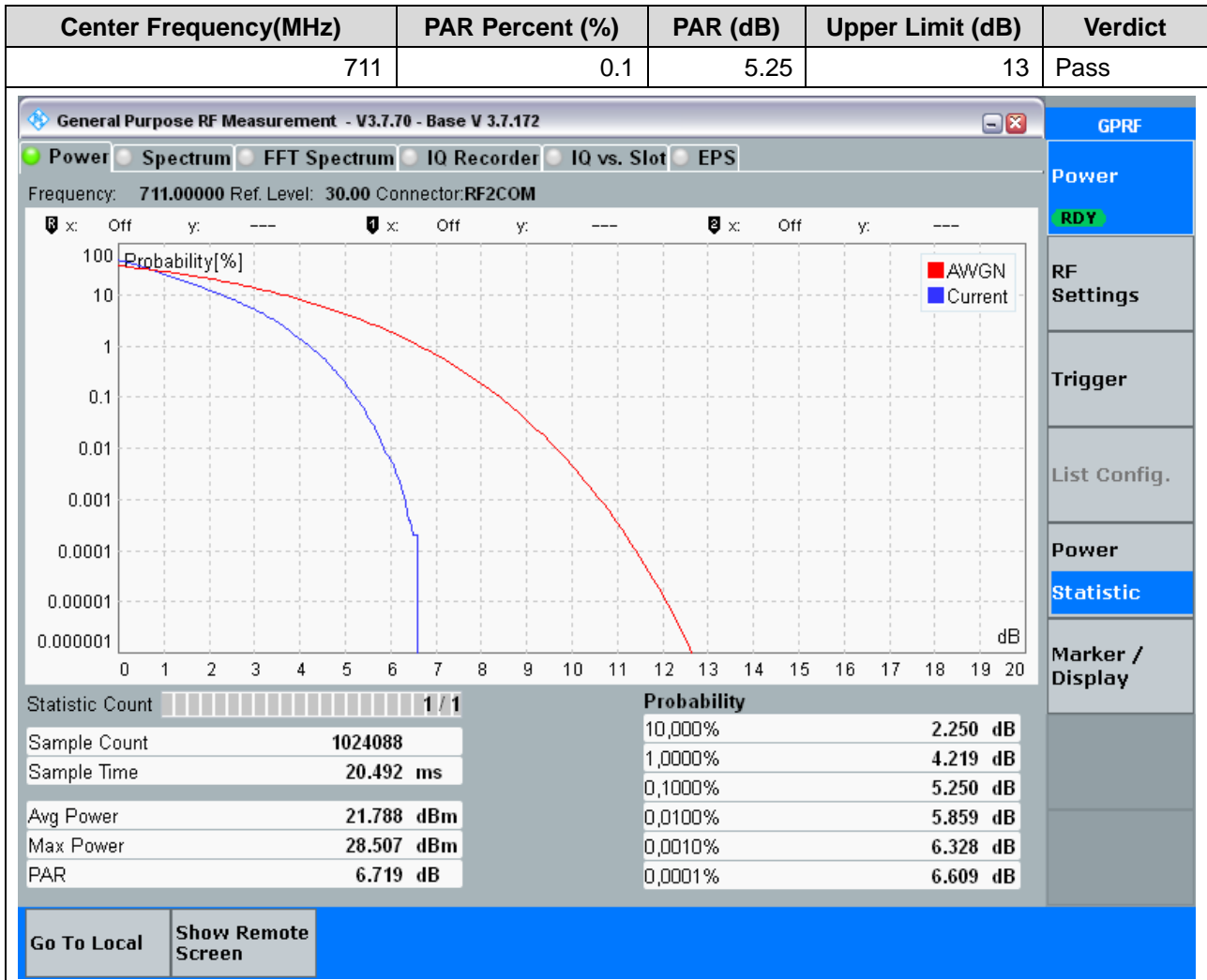
**8.8. LTE Peak to Average Ratio(NTNV)(Subtest:8, Channel:23095, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)**



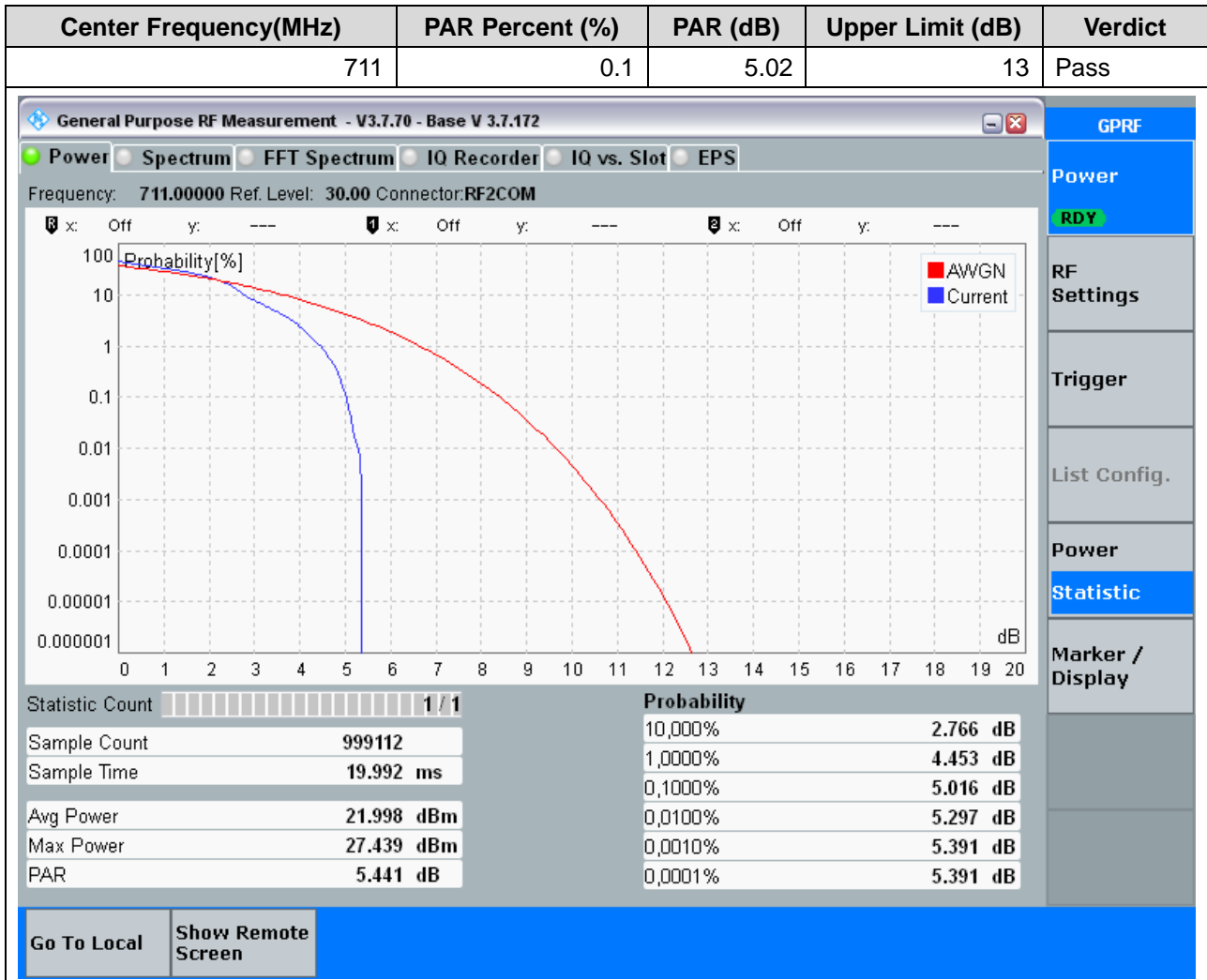
### 8.9. LTE Peak to Average Ratio(NTNV)(Subtest:9, Channel:23130, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)



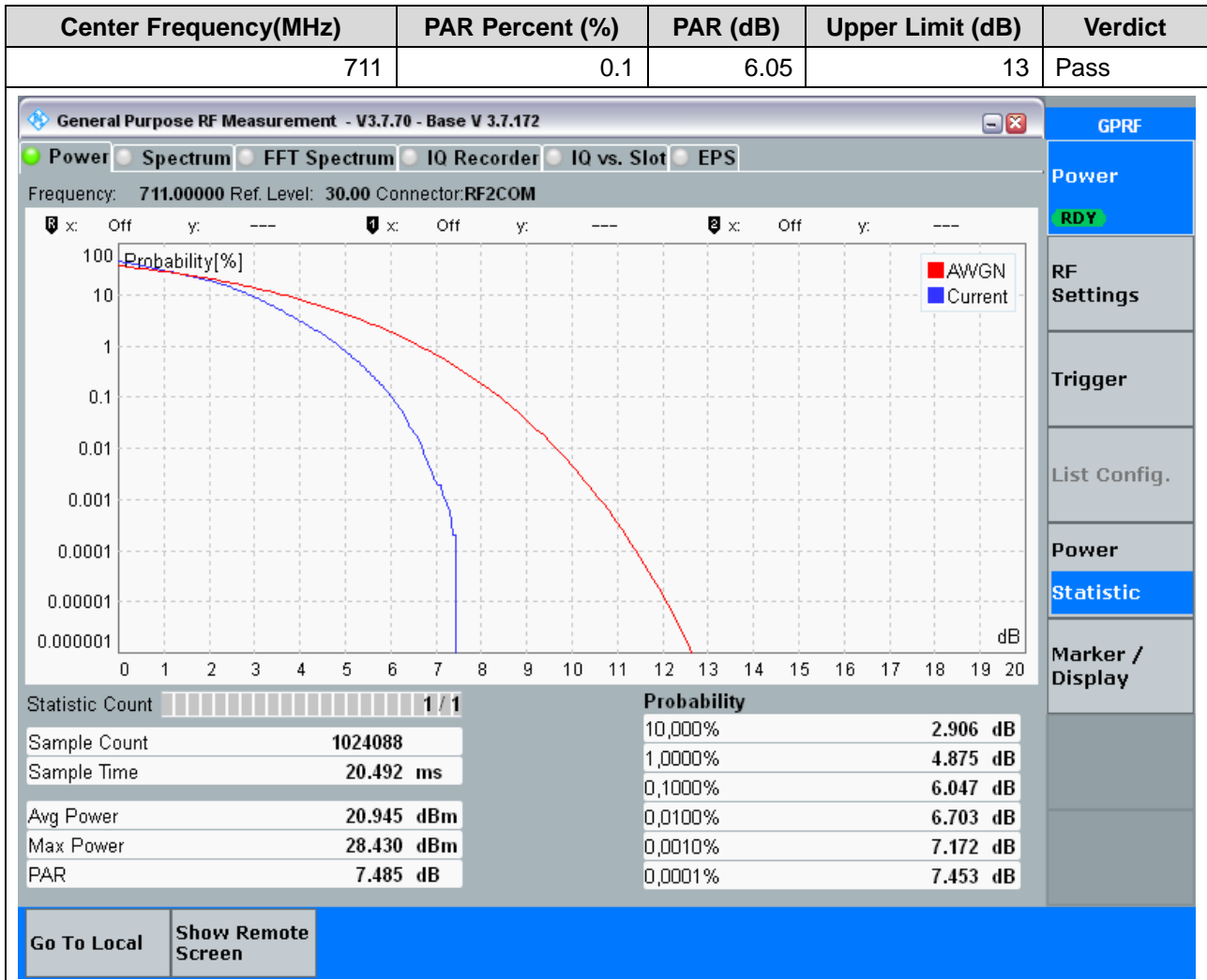
**8.10. LTE Peak to Average Ratio(NTNV)(Subtest:10, Channel:23130, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)**



**8.11. LTE Peak to Average Ratio(NTNV)(Subtest:11, Channel:23130, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:LOW)**

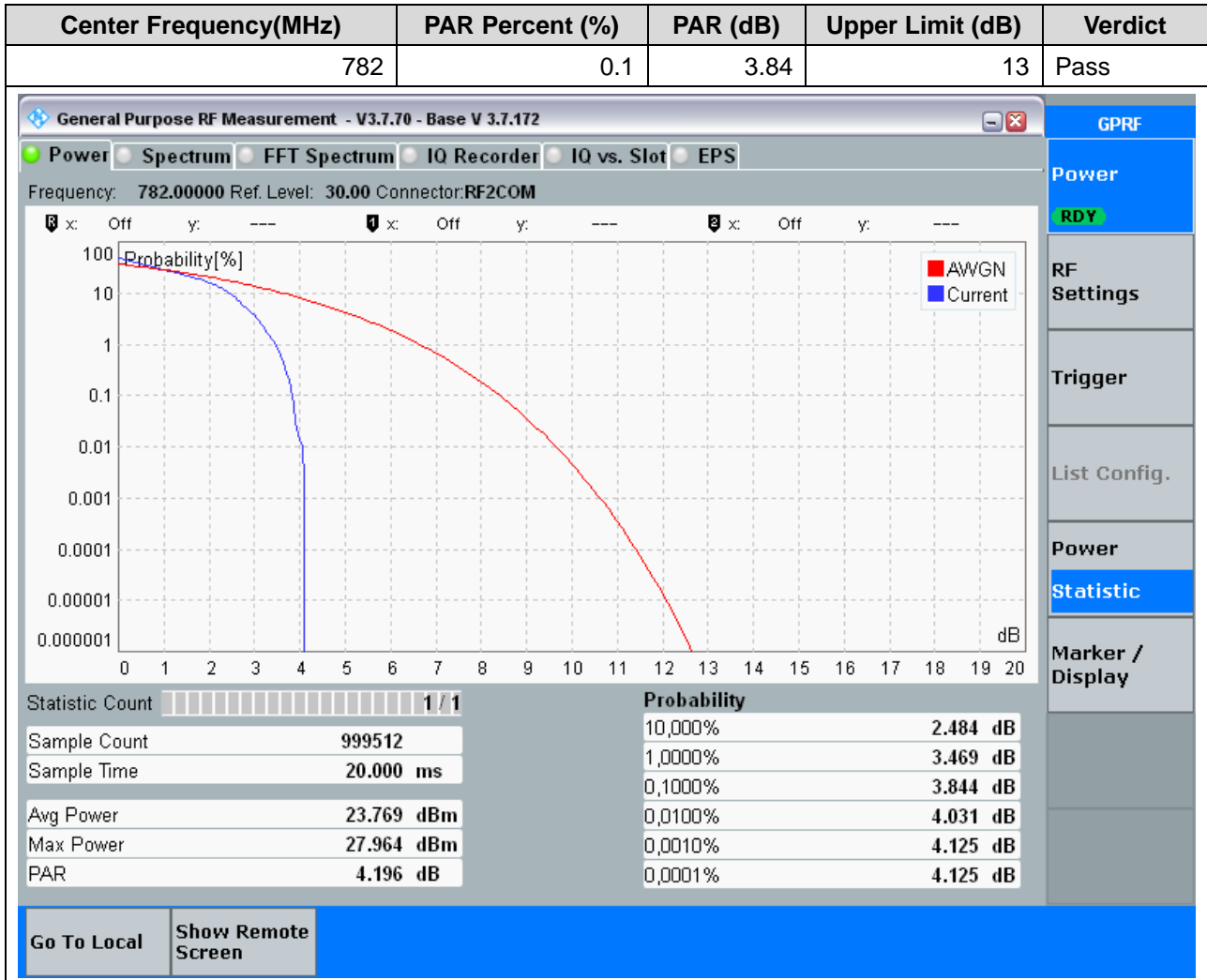


**8.12. LTE Peak to Average Ratio(NTNV)(Subtest:12, Channel:23130, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)**

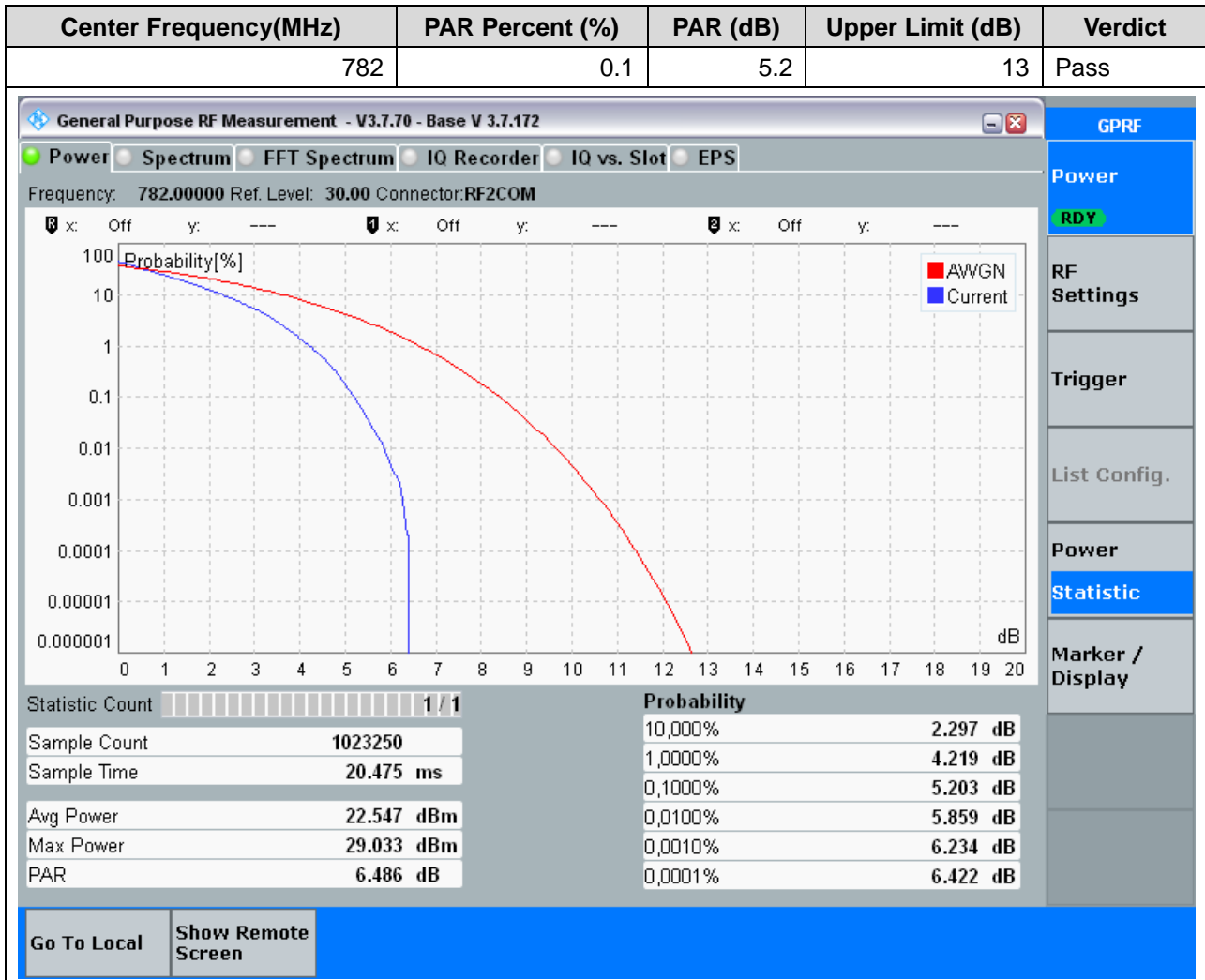


## 9. LTE\_Band13

### 9.1. LTE Peak to Average Ratio(NTNV)(Subtest:1, Channel:23230, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)

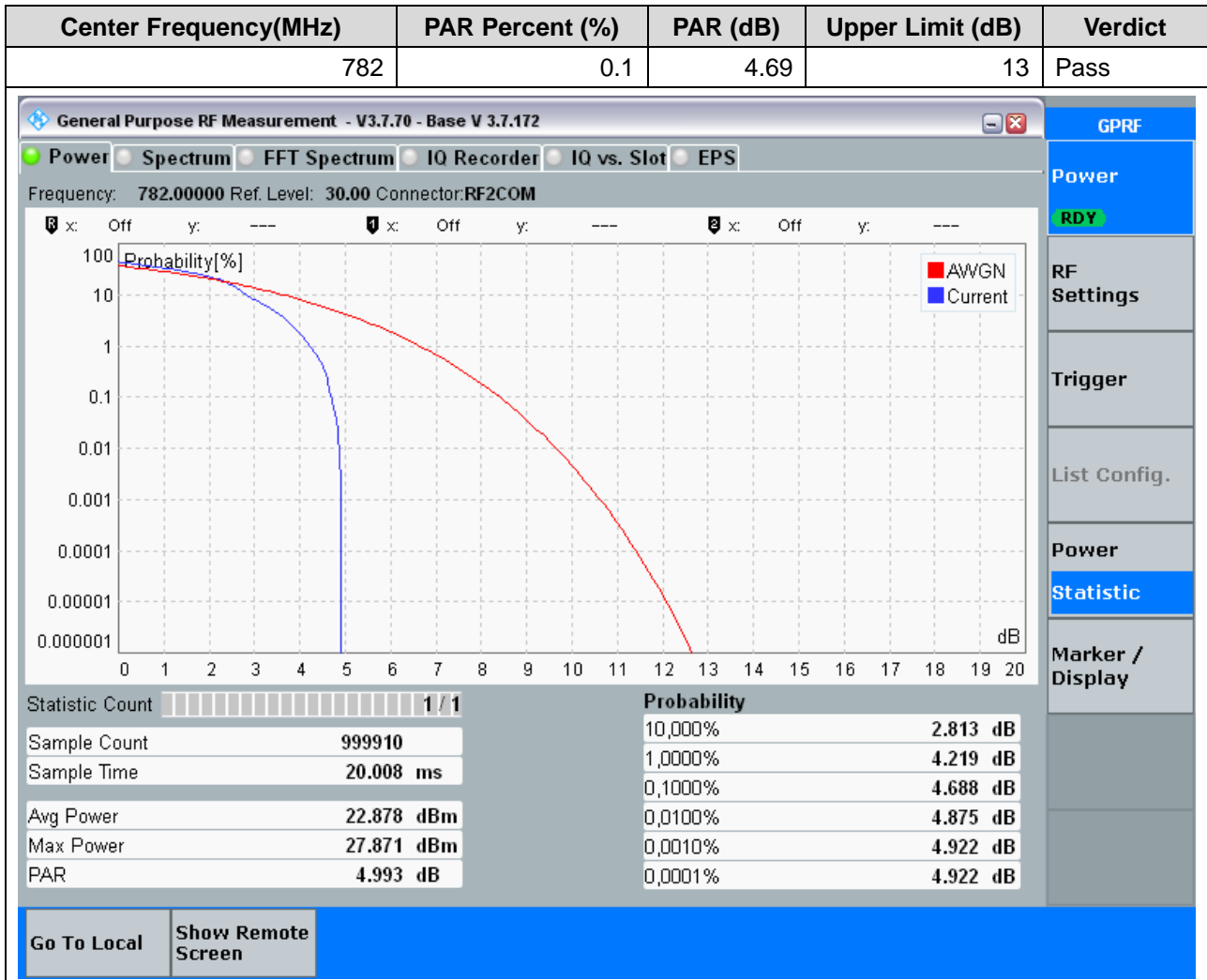


## 9.2. LTE Peak to Average Ratio(NTNV)(Subtest:2, Channel:23230, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)

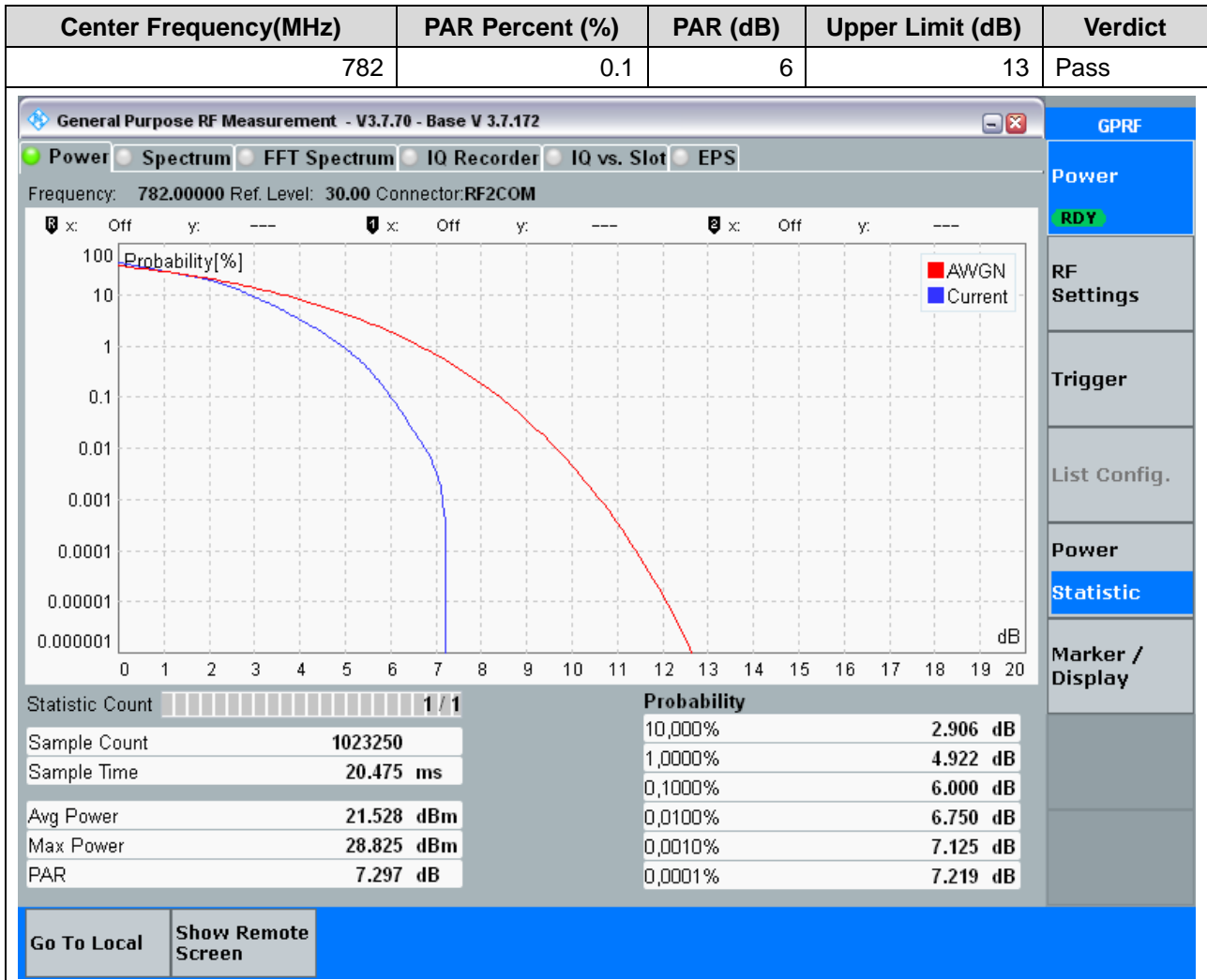




### 9.3. LTE Peak to Average Ratio(NTNV)(Subtest:3, Channel:23230, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:LOW)

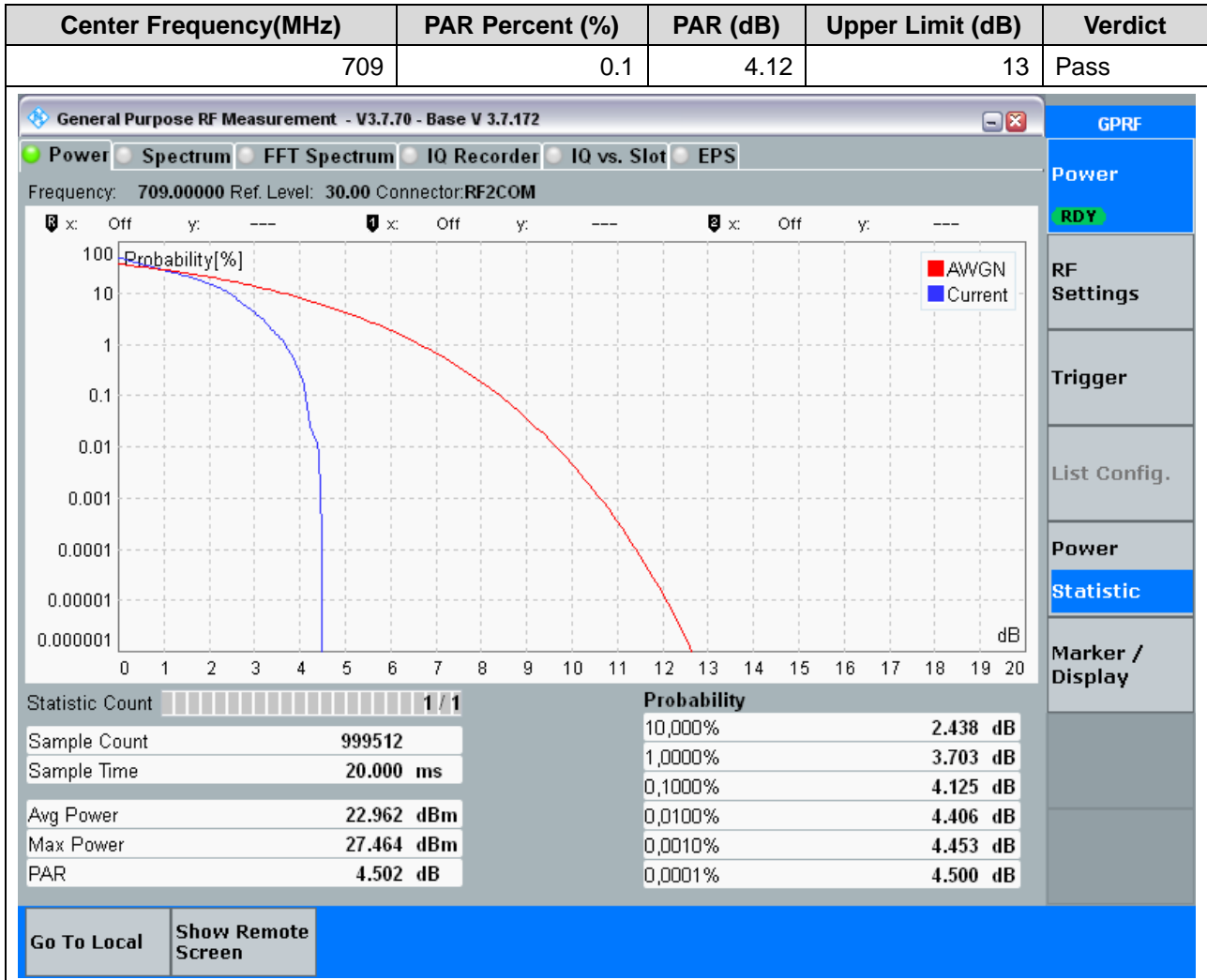


### 9.4. LTE Peak to Average Ratio(NTNV)(Subtest:4, Channel:23230, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)

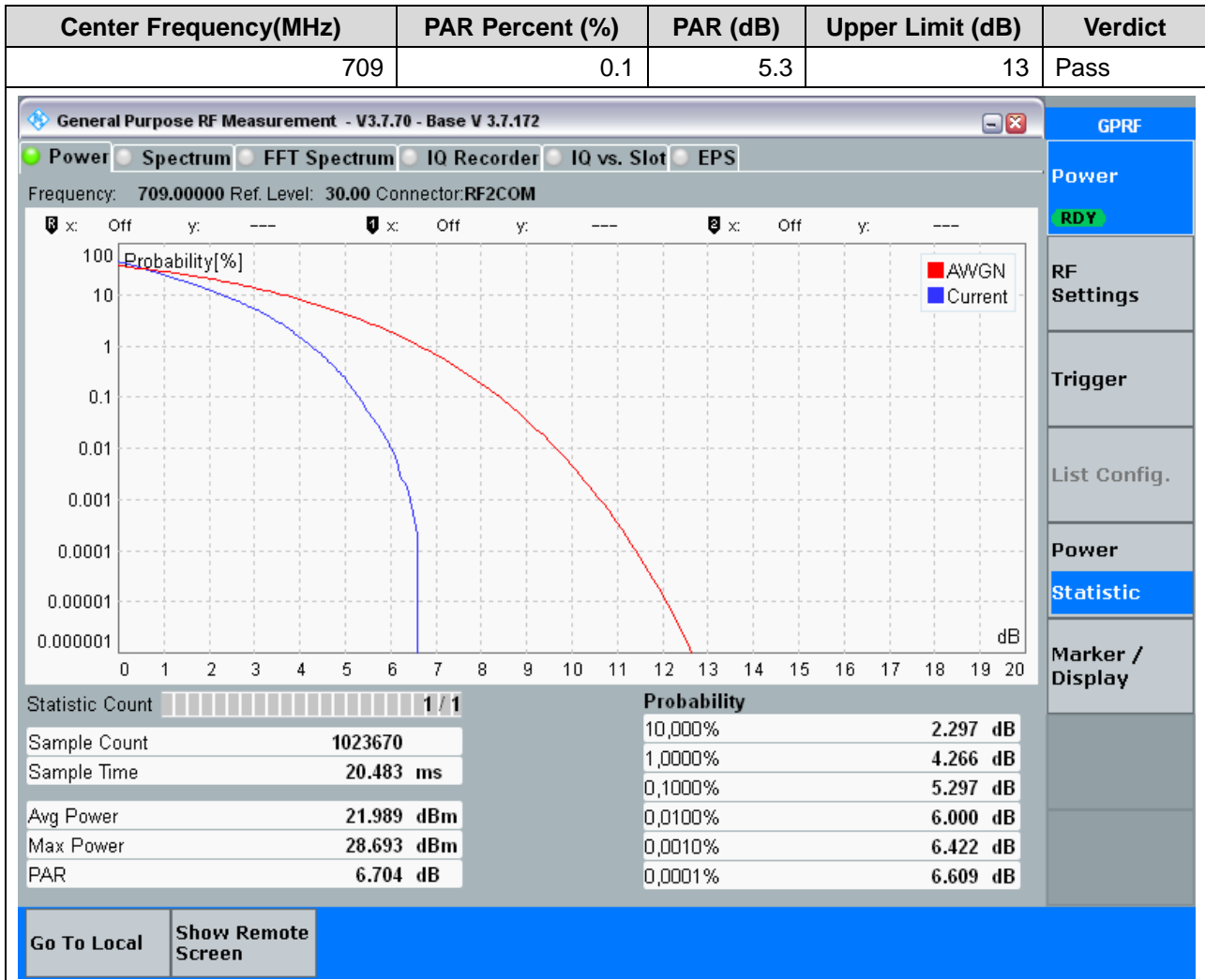


## 10. LTE\_Band17

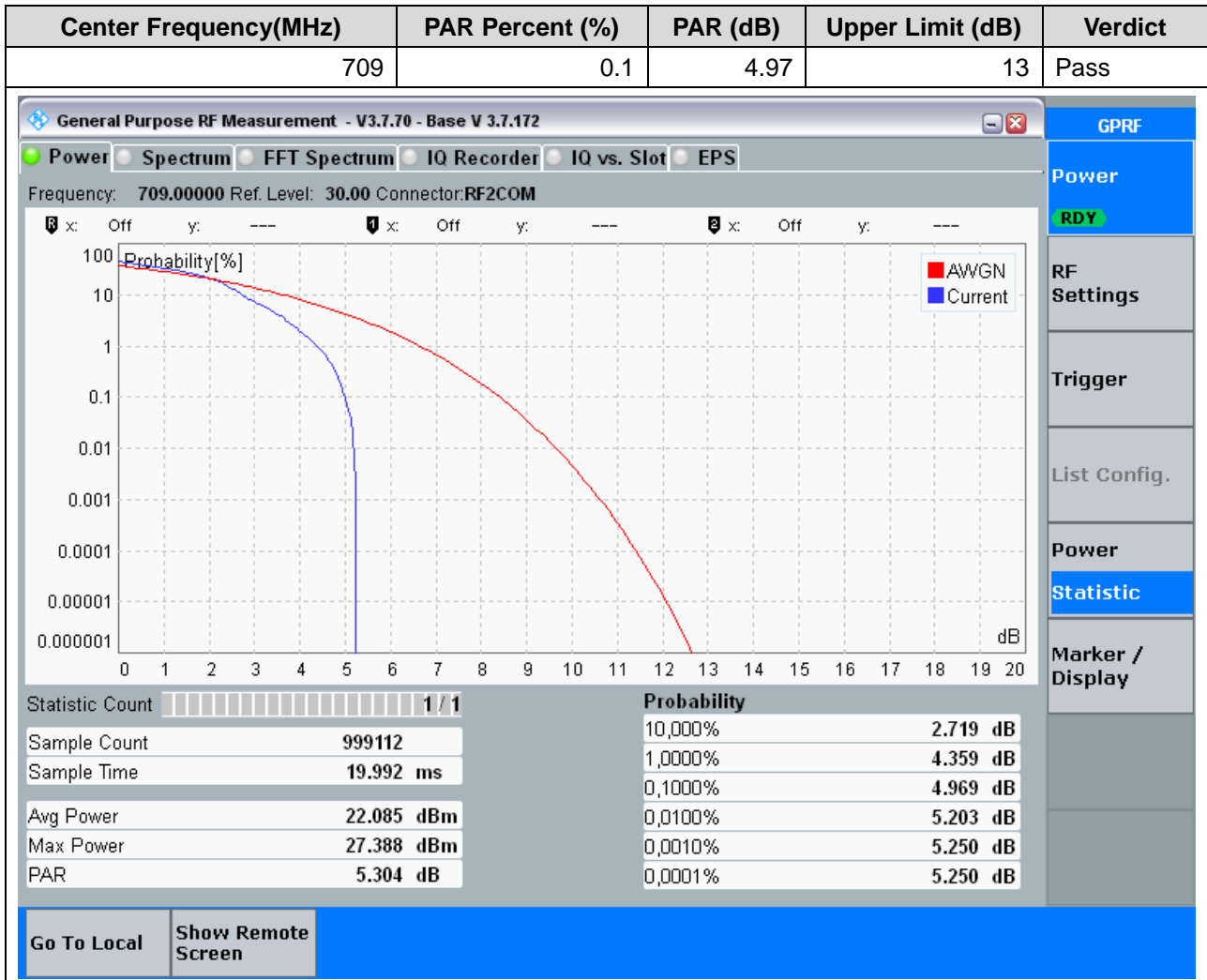
### 10.1. LTE Peak to Average Ratio(NTNV)(Subtest:1, Channel:23780, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)



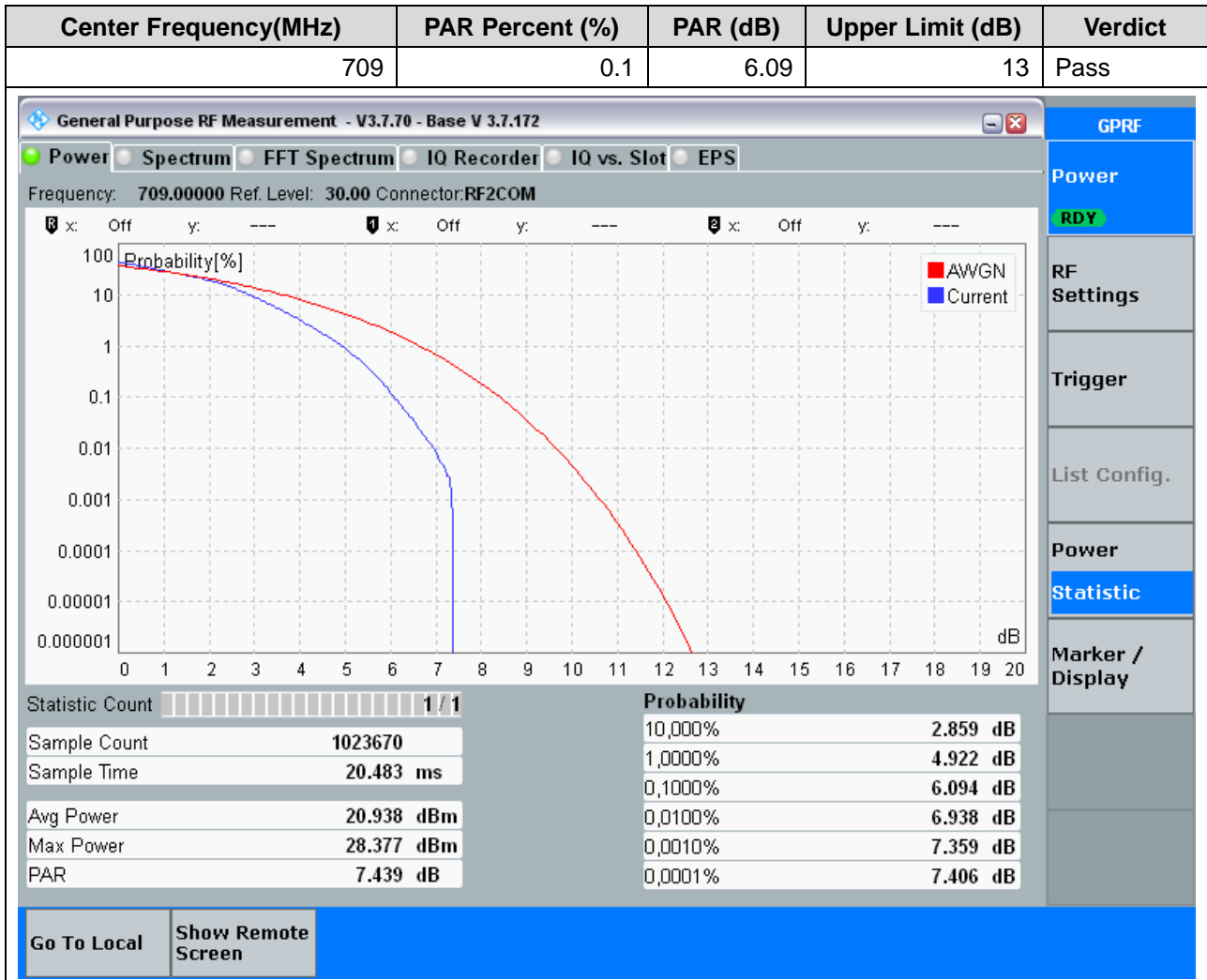
**10.2. LTE Peak to Average Ratio(NTNV)(Subtest:2, Channel:23780, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)**



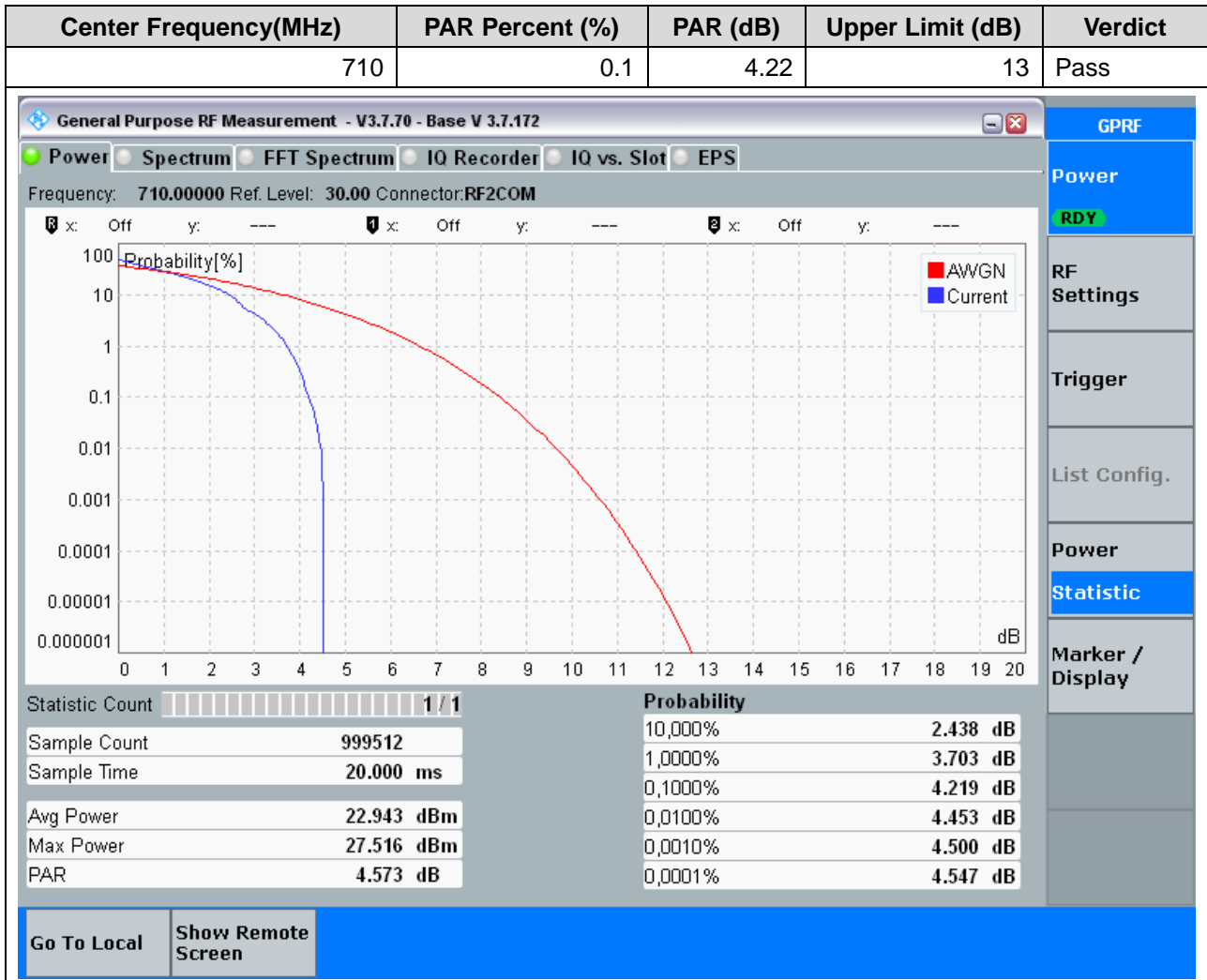
### 10.3. LTE Peak to Average Ratio(NTNV)(Subtest:3, Channel:23780, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:LOW)



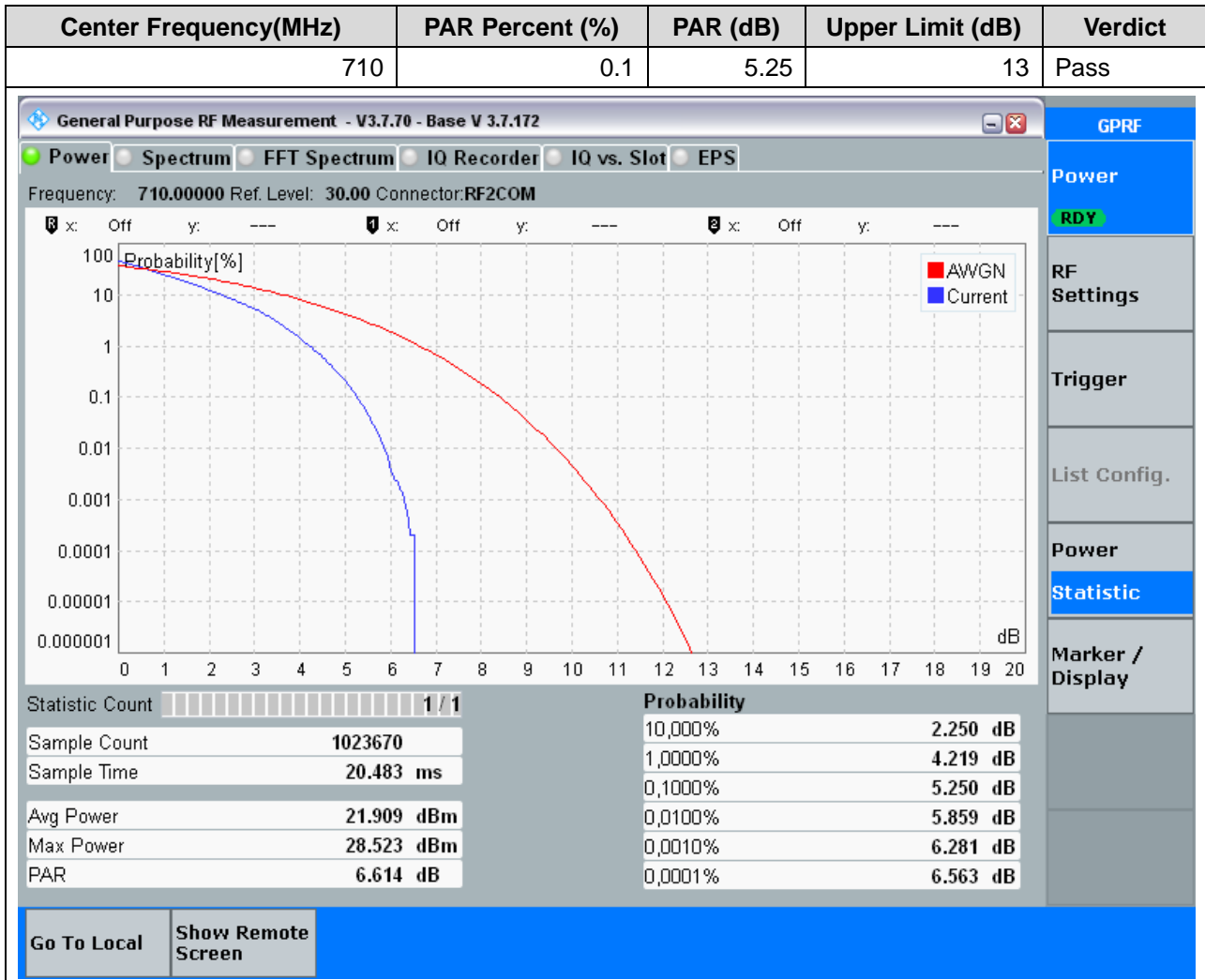
**10.4. LTE Peak to Average Ratio(NTNV)(Subtest:4, Channel:23780, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)**



**10.5. LTE Peak to Average Ratio(NTNV)(Subtest:5, Channel:23790, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)**

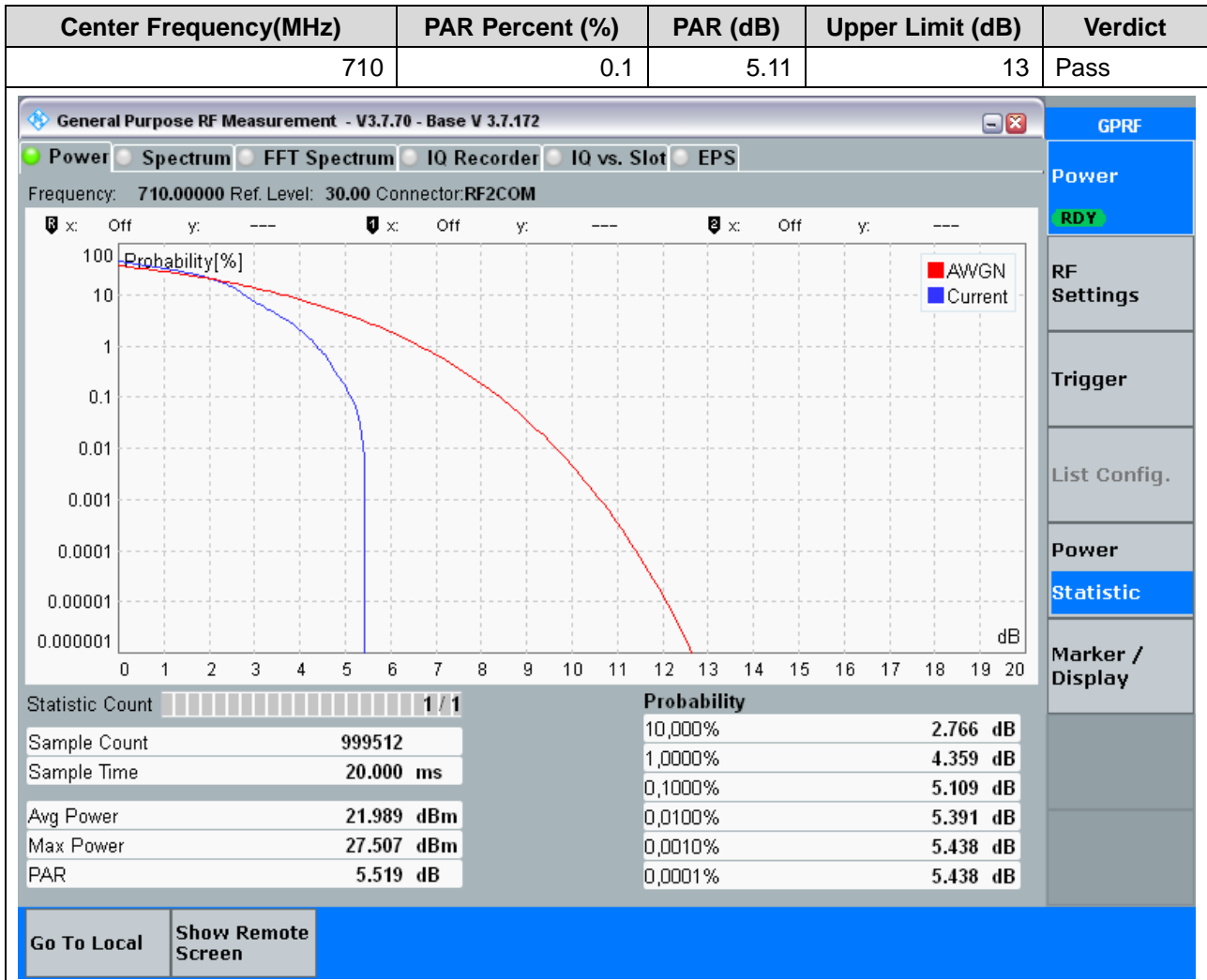


**10.6. LTE Peak to Average Ratio(NTNV)(Subtest:6, Channel:23790, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)**

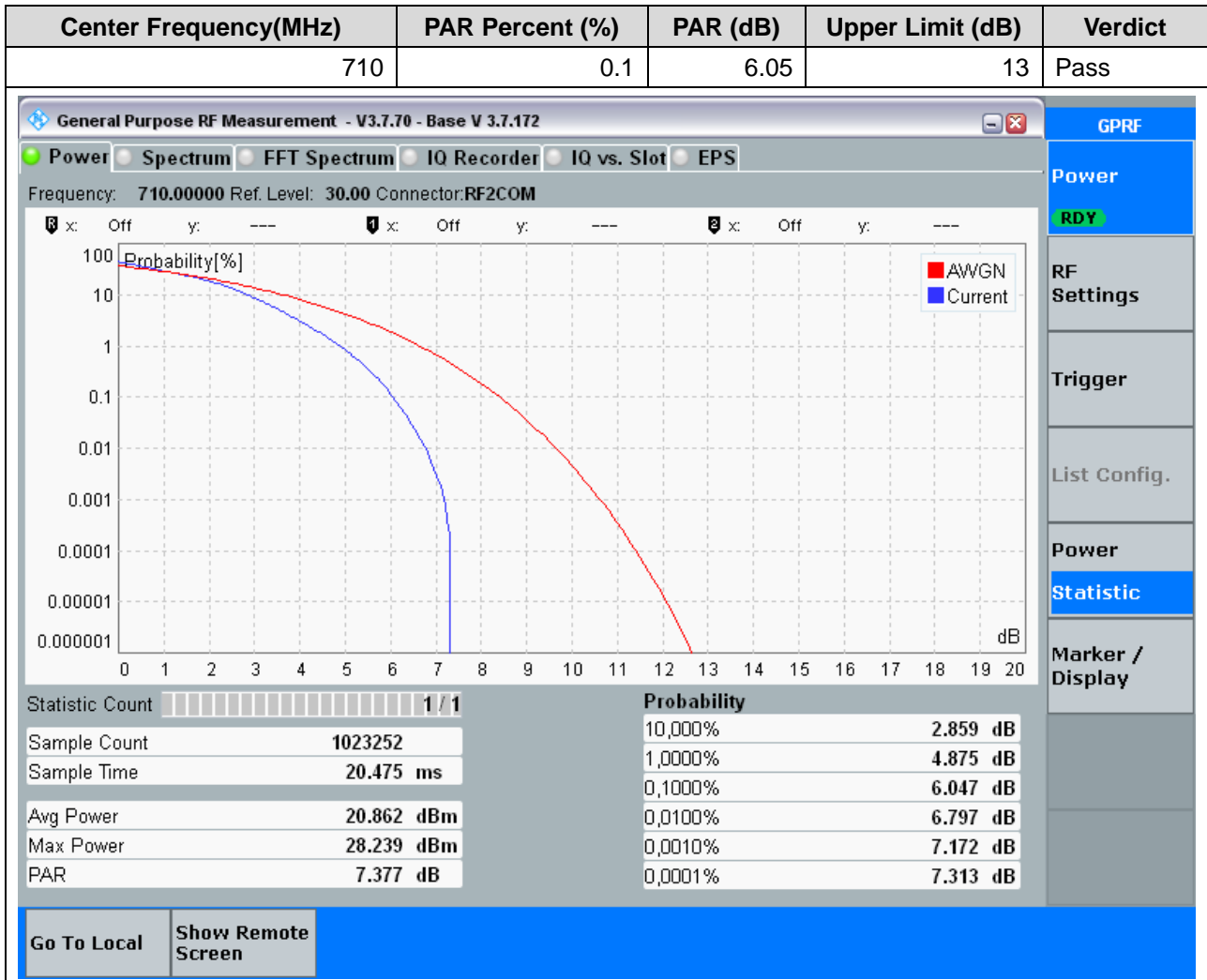




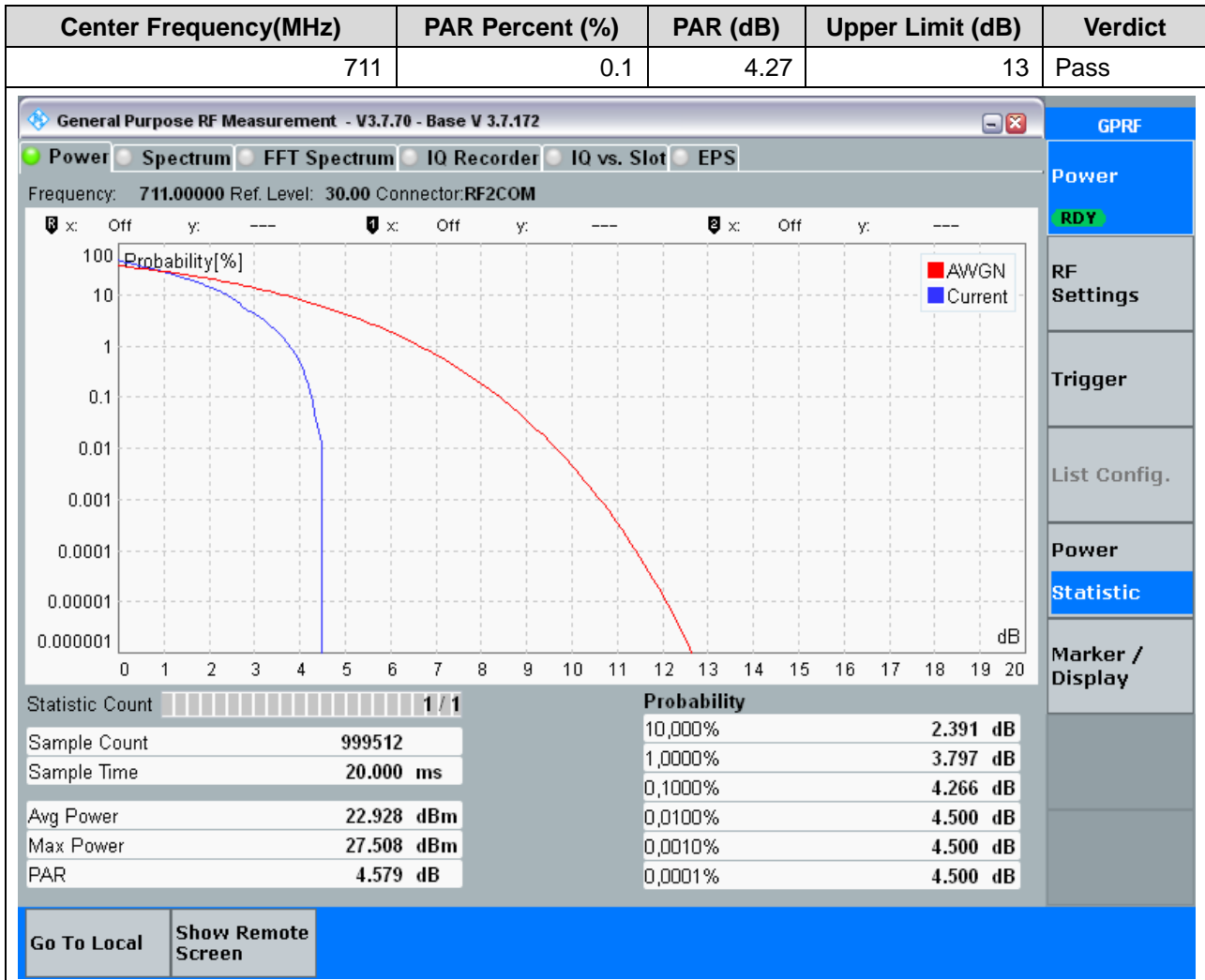
**10.7. LTE Peak to Average Ratio(NTNV)(Subtest:7, Channel:23790, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:LOW)**



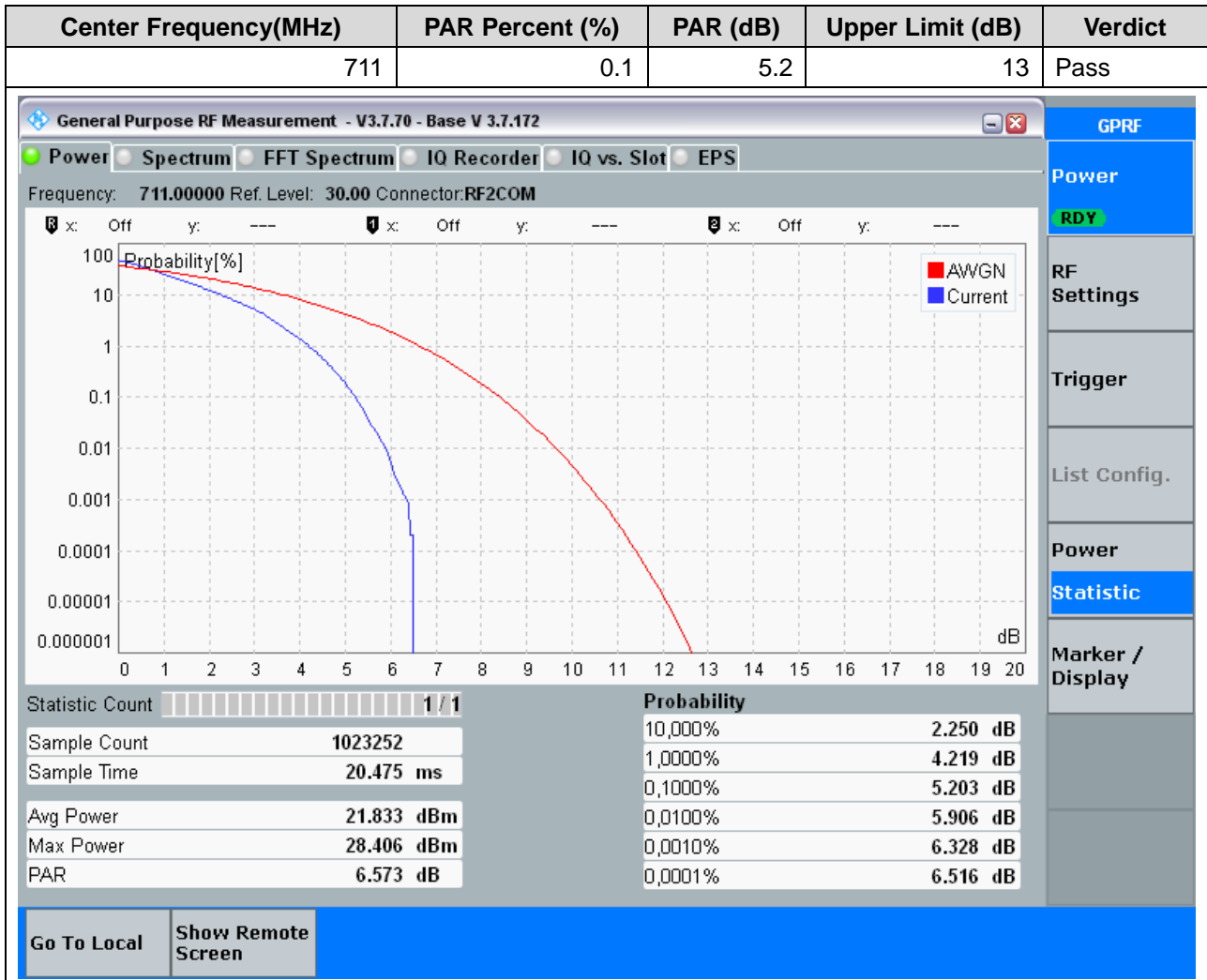
**10.8. LTE Peak to Average Ratio(NTNV)(Subtest:8, Channel:23790, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)**



### 10.9. LTE Peak to Average Ratio(NTNV)(Subtest:9, Channel:23800, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)



**10.10. LTE Peak to Average Ratio(NTNV)(Subtest:10, Channel:23800, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)**



**10.11. LTE Peak to Average Ratio(NTNV)(Subtest:11, Channel:23800, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:LOW)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
711	0.1	5.02	13	Pass

**General Purpose RF Measurement - V3.7.70 - Base V 3.7.172**  
 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: ---

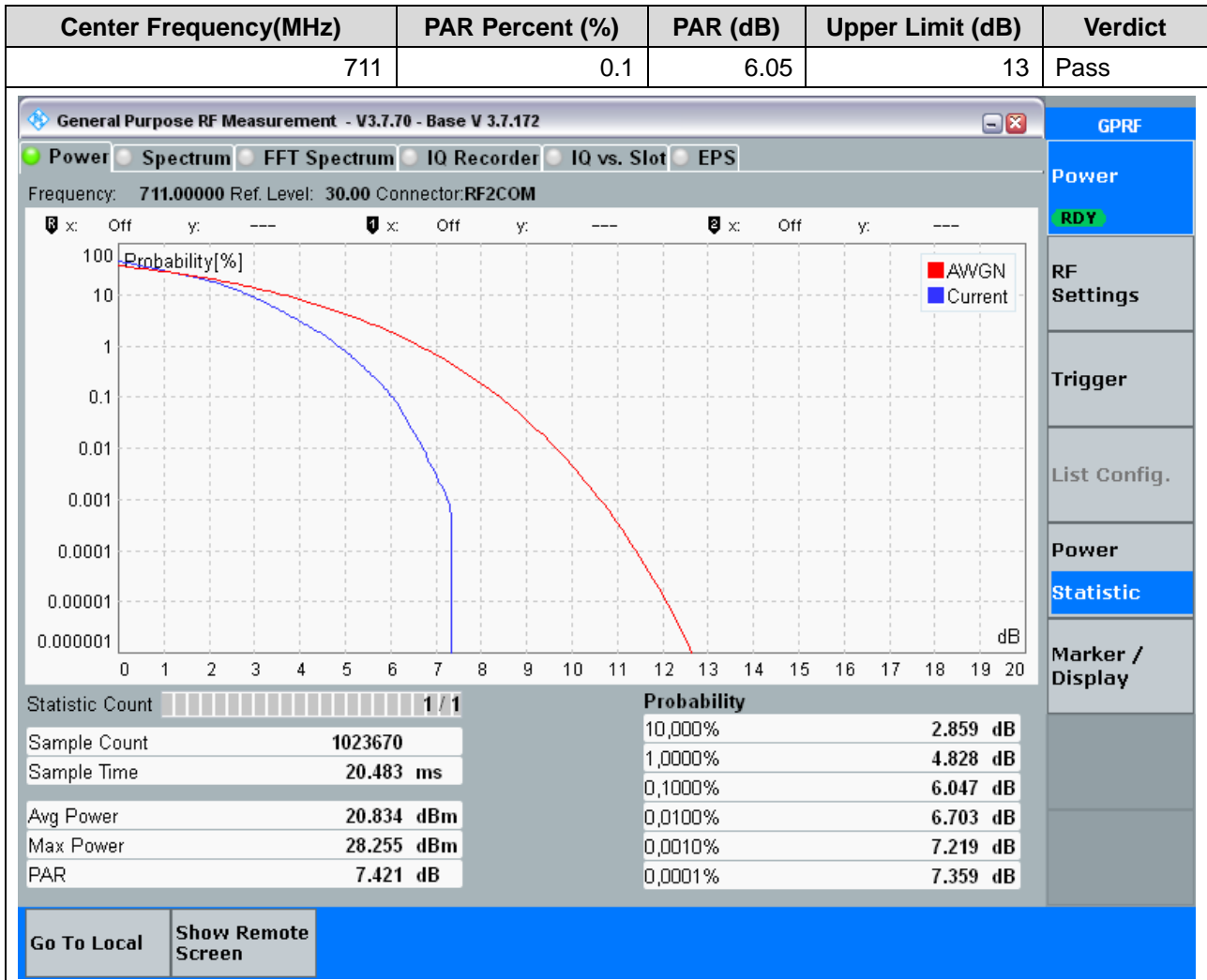
Statistic Count	
Sample Count	999512
Sample Time	20.000 ms
Avg Power	22.067 dBm
Max Power	27.475 dBm
PAR	5.408 dB

Probability	
10,000%	2.766 dB
1,0000%	4.453 dB
0,1000%	5.016 dB
0,0100%	5.297 dB
0,0010%	5.344 dB
0,0001%	5.391 dB

Go To Local
Show Remote Screen

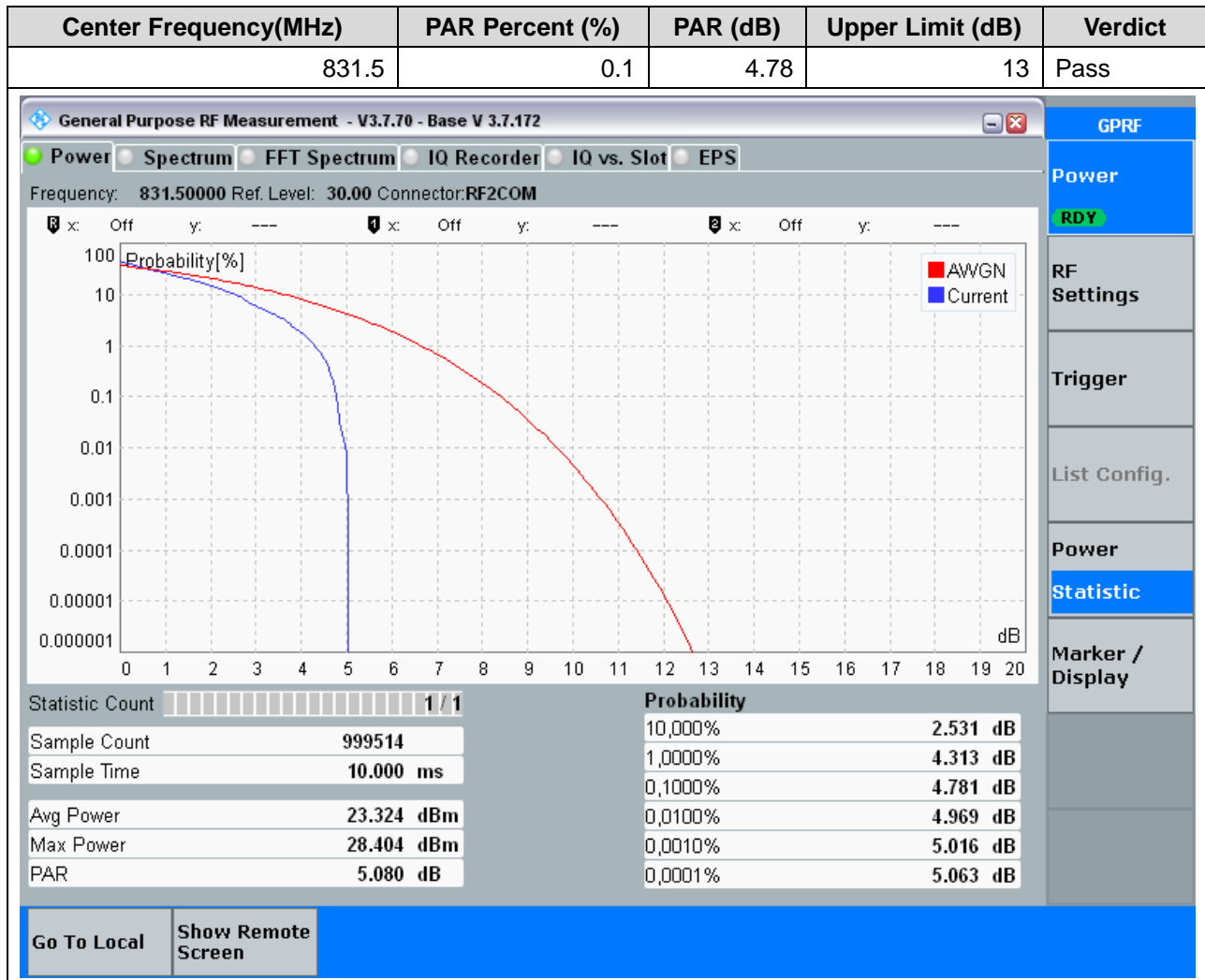
Power
RDY
RF Settings
Trigger
List Config.
Power
Statistic
Marker / Display

**10.12. LTE Peak to Average Ratio(NTNV)(Subtest:12, Channel:23800, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)**

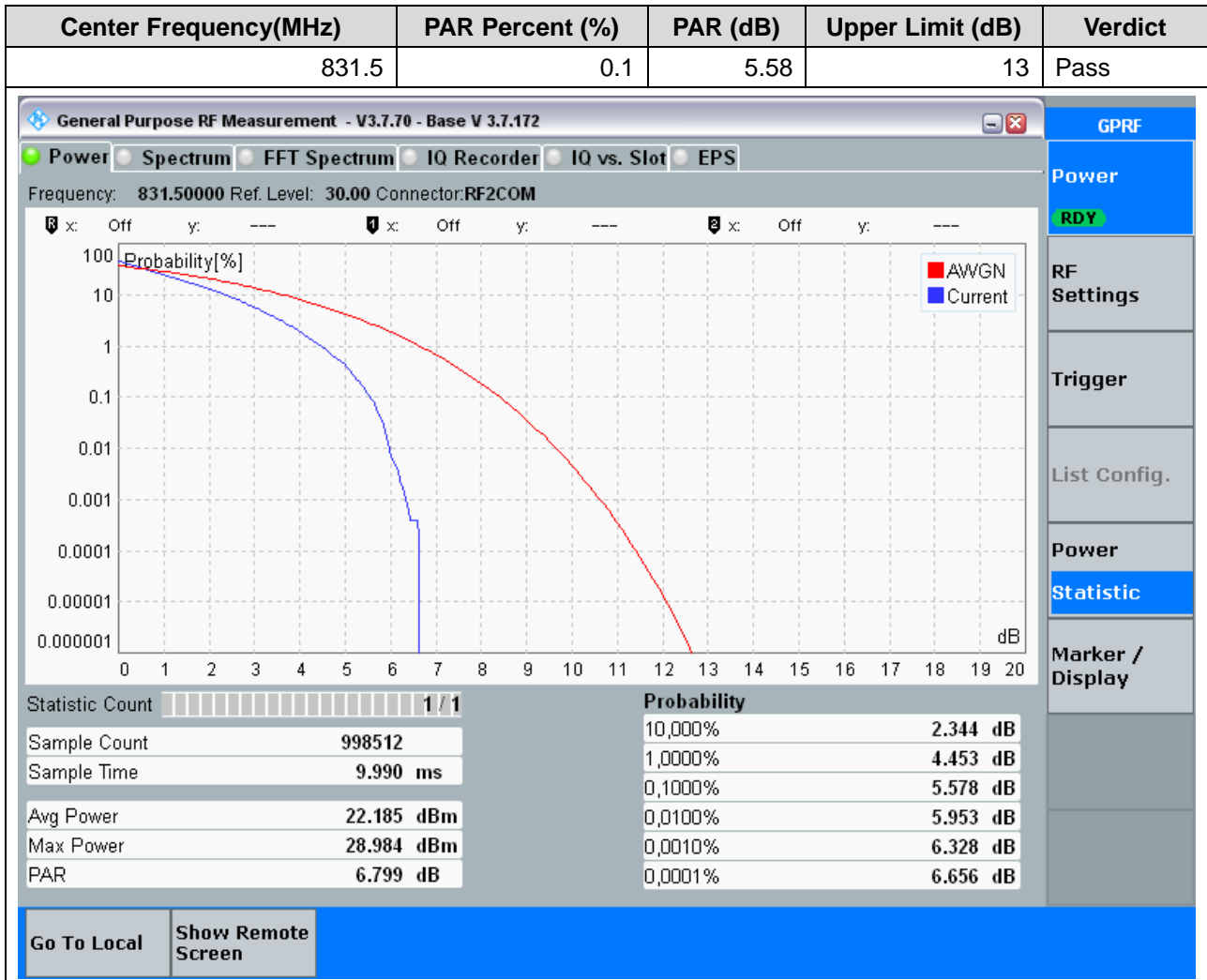


## 11. LTE\_Band26(part22)

### 11.1. LTE Peak to Average Ratio(NTNV)(Subtest:1, Channel:26865, Bandwidth:15, Modulation:QPSK, RB Number: 1, RB Position:LOW)

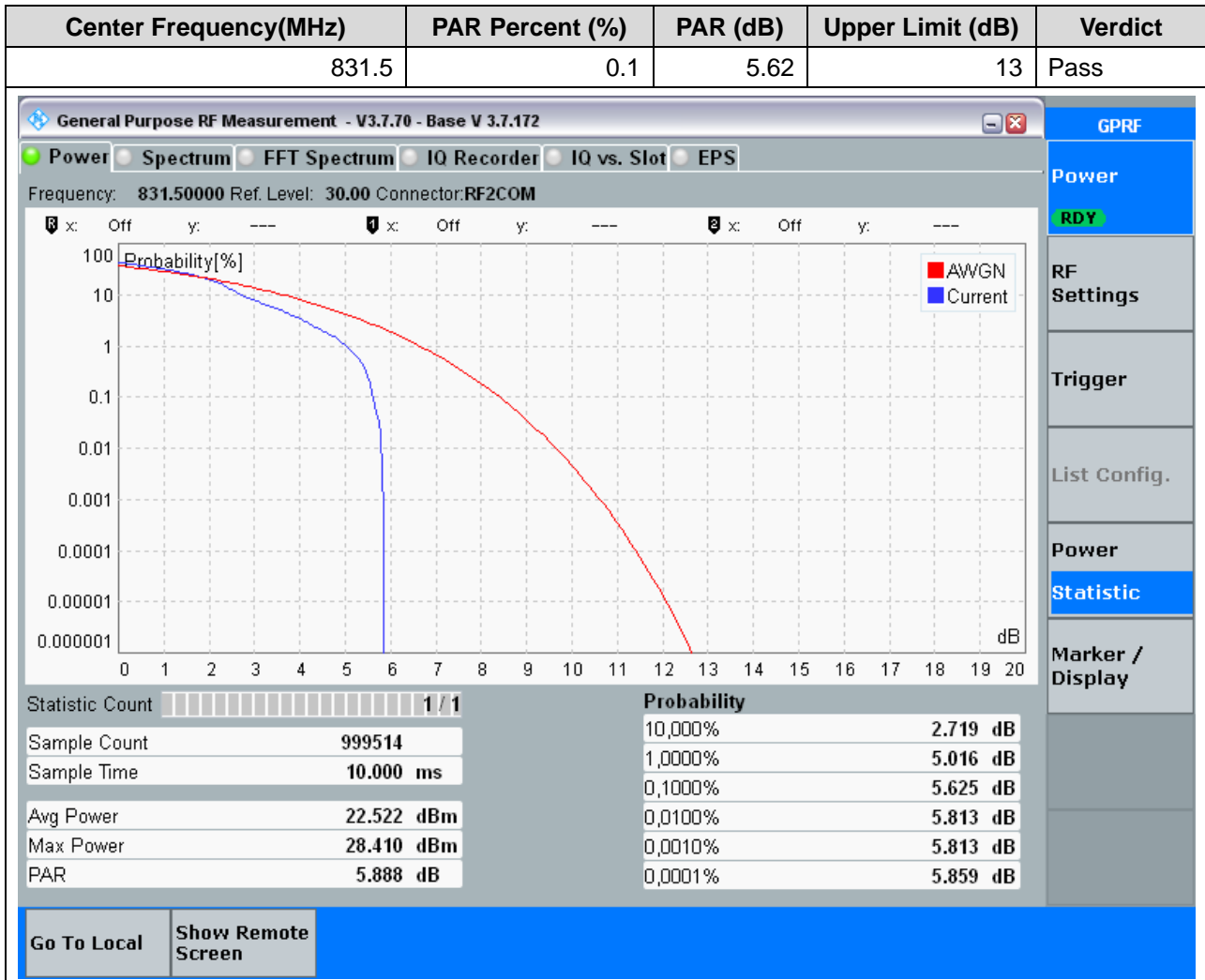


**11.2. LTE Peak to Average Ratio(NTNV)(Subtest:2, Channel:26865, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)**

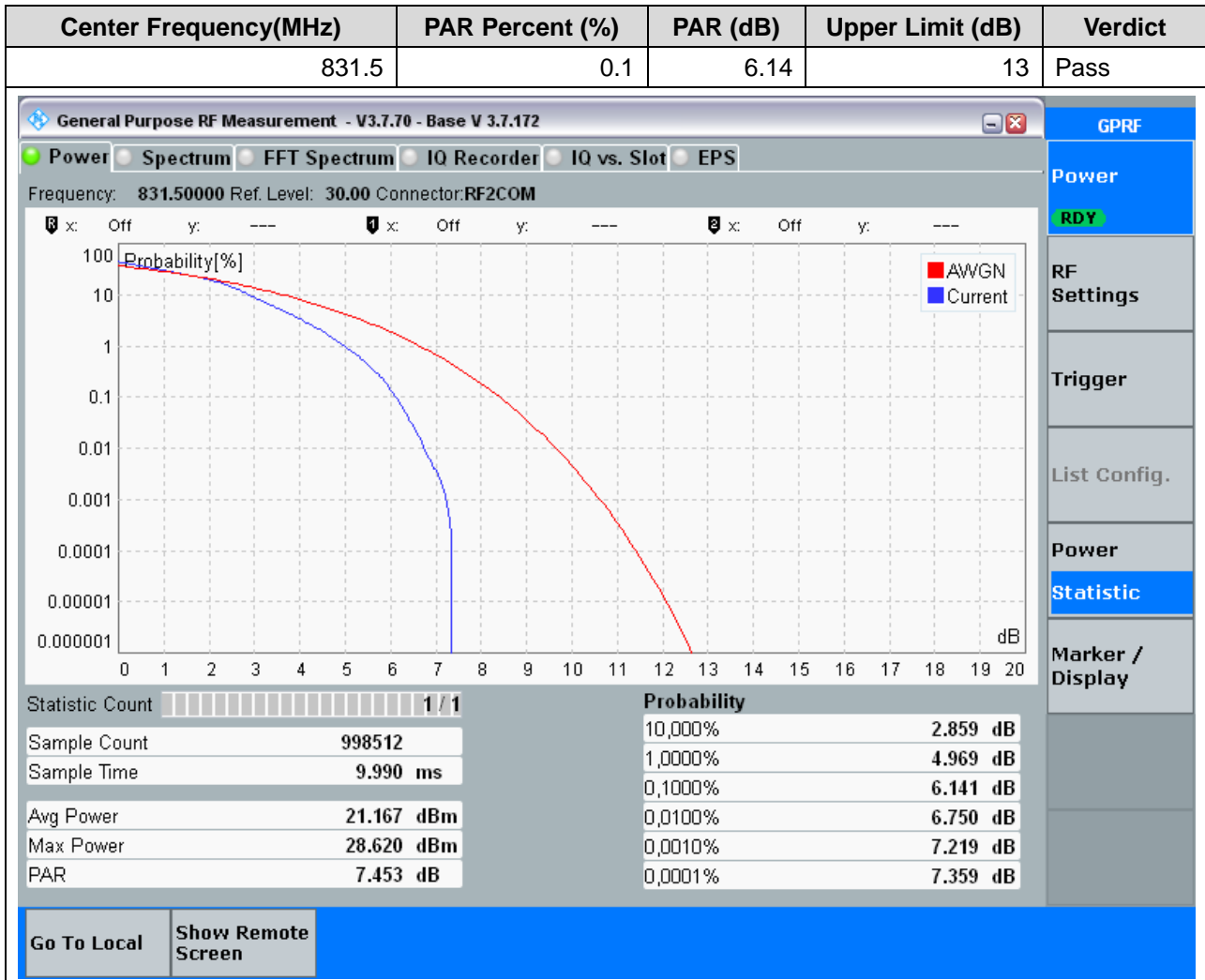




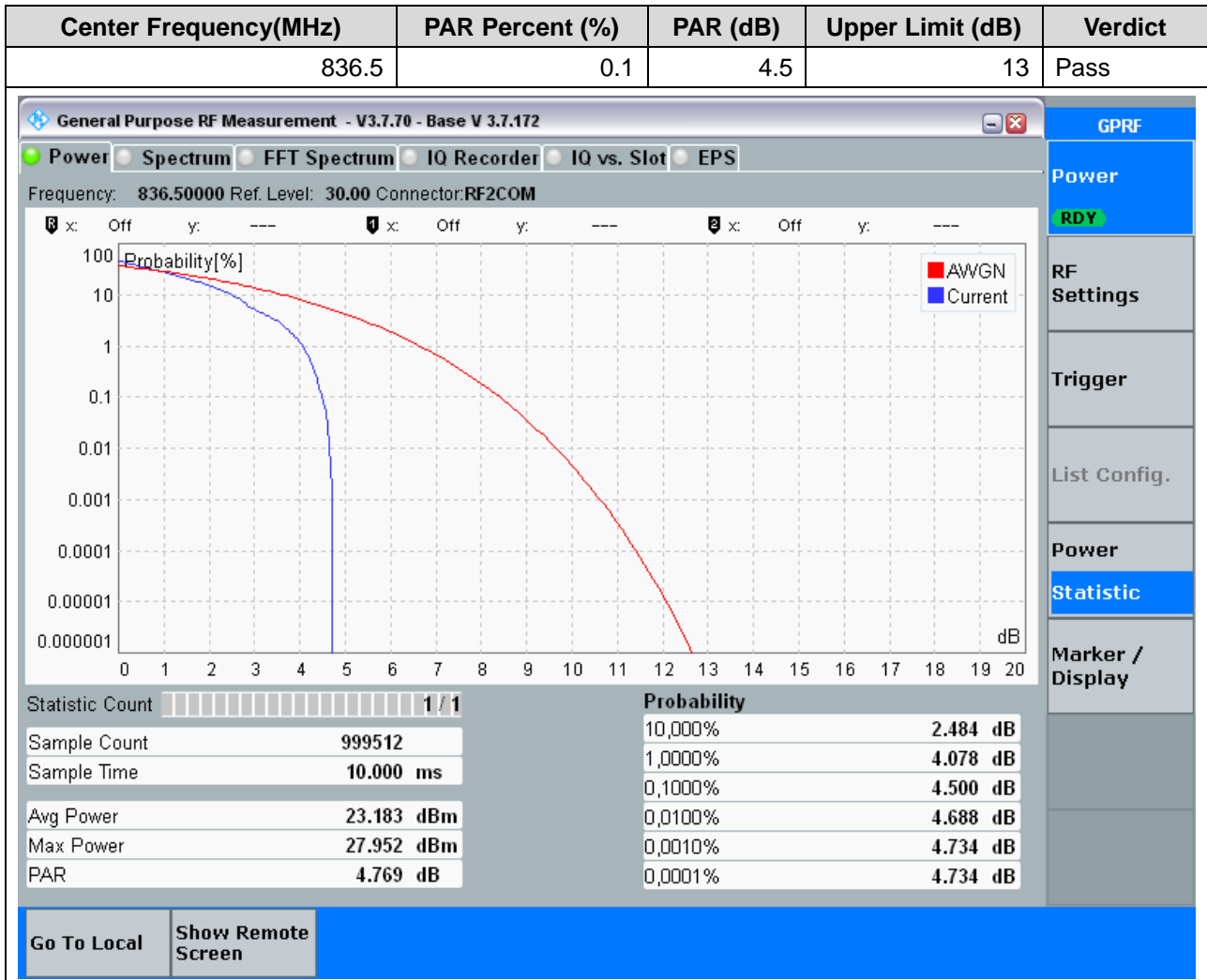
### 11.3. LTE Peak to Average Ratio(NTNV)(Subtest:3, Channel:26865, Bandwidth:15, Modulation:Q16, RB Number: 1, RB Position:LOW)



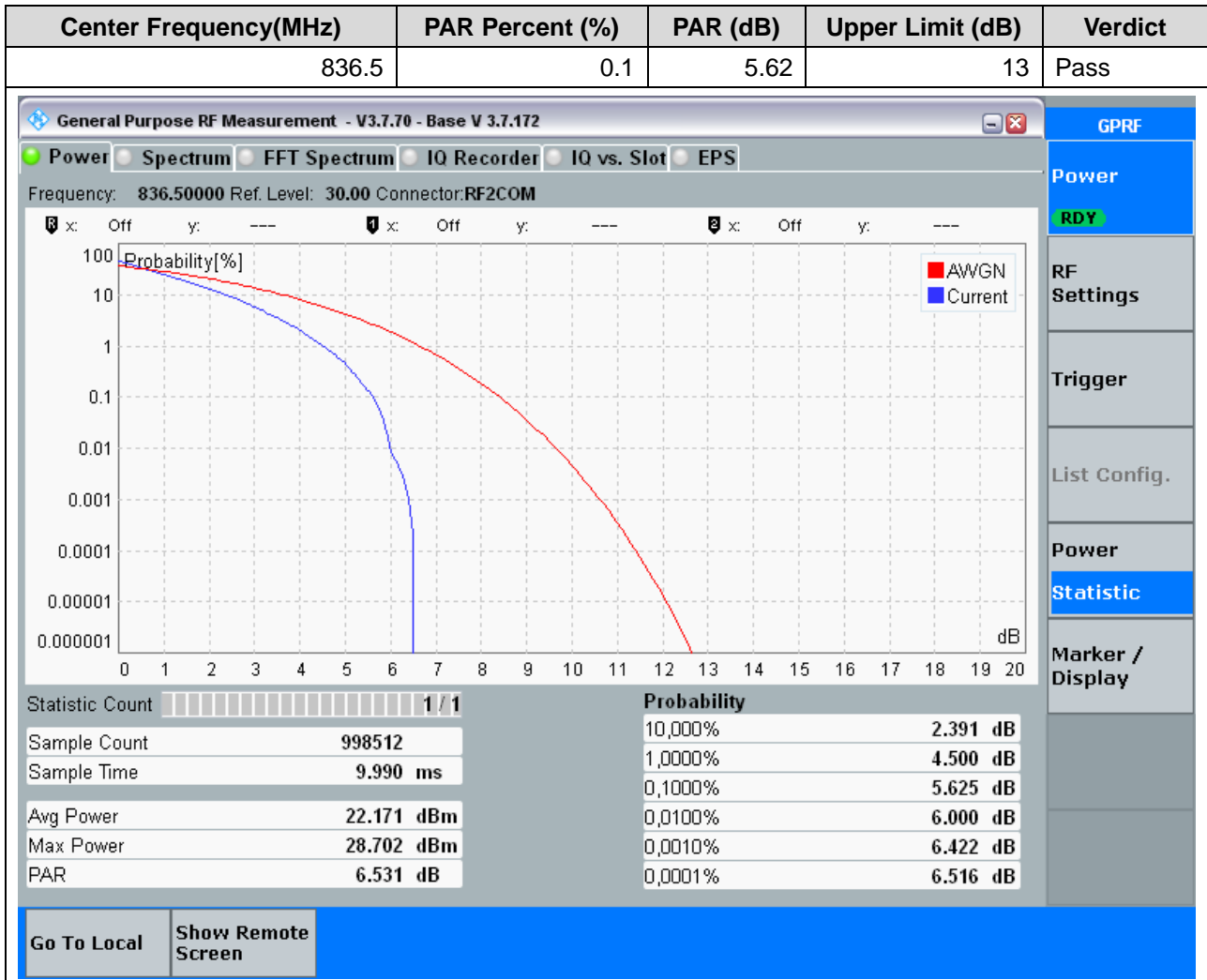
### 11.4. LTE Peak to Average Ratio(NTNV)(Subtest:4, Channel:26865, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)



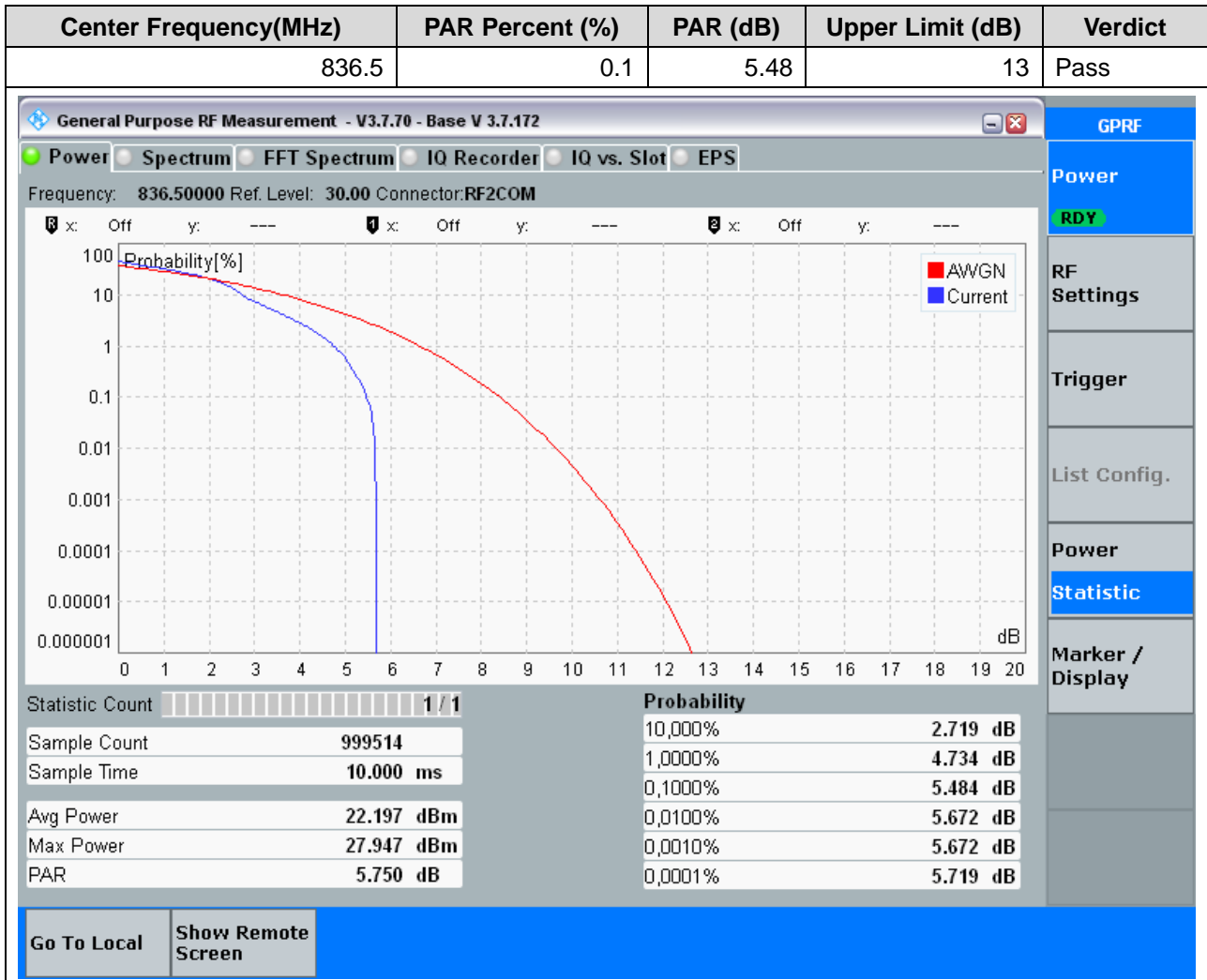
**11.5. LTE Peak to Average Ratio(NTNV)(Subtest:5, Channel:26915, Bandwidth:15, Modulation:QPSK, RB Number: 1, RB Position:LOW)**



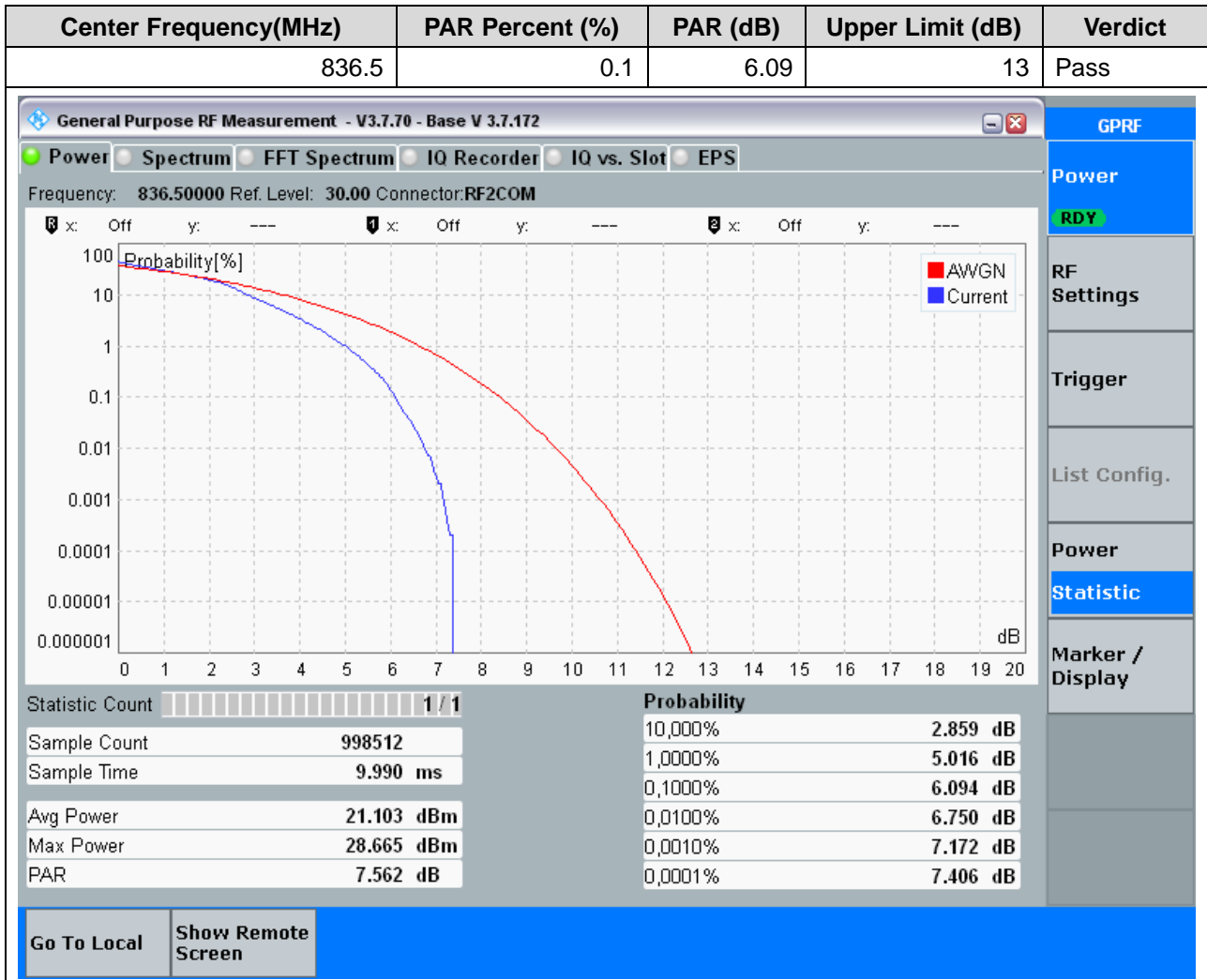
**11.6. LTE Peak to Average Ratio(NTNV)(Subtest:6, Channel:26915, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)**



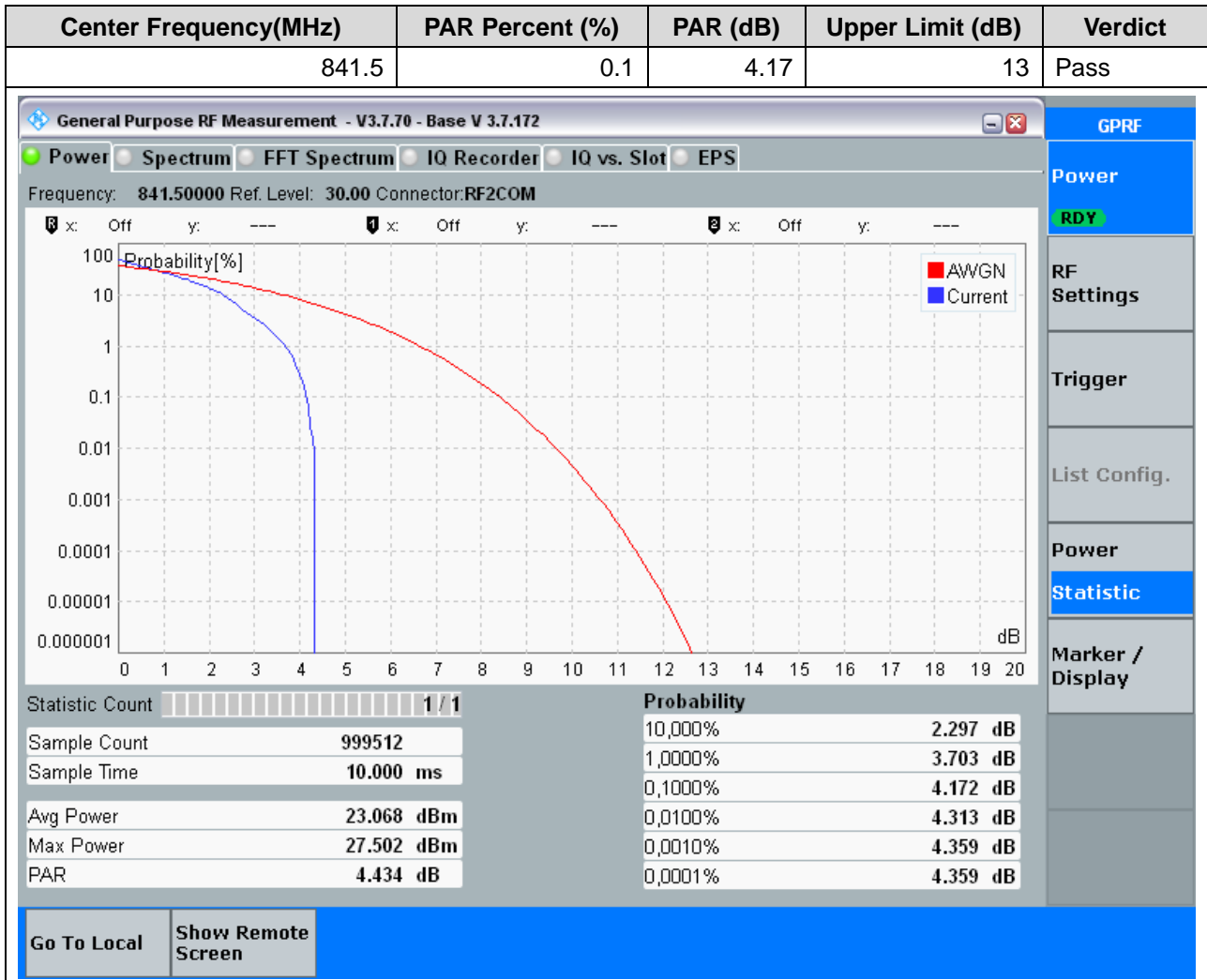
**11.7. LTE Peak to Average Ratio(NTNV)(Subtest:7, Channel:26915, Bandwidth:15, Modulation:Q16, RB Number: 1, RB Position:LOW)**



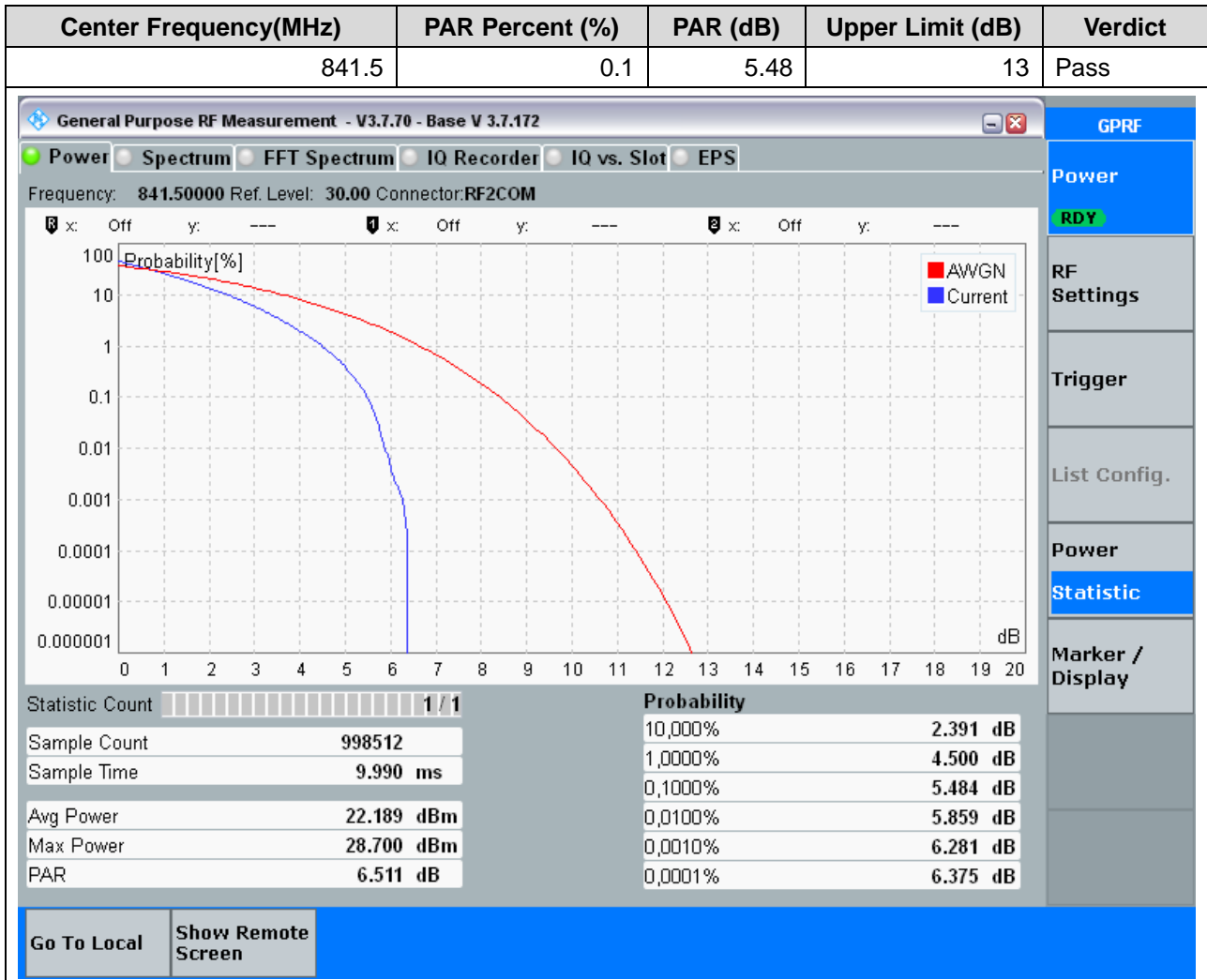
**11.8. LTE Peak to Average Ratio(NTNV)(Subtest:8, Channel:26915, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)**



**11.9. LTE Peak to Average Ratio(NTNV)(Subtest:9, Channel:26965, Bandwidth:15, Modulation:QPSK, RB Number: 1, RB Position:LOW)**

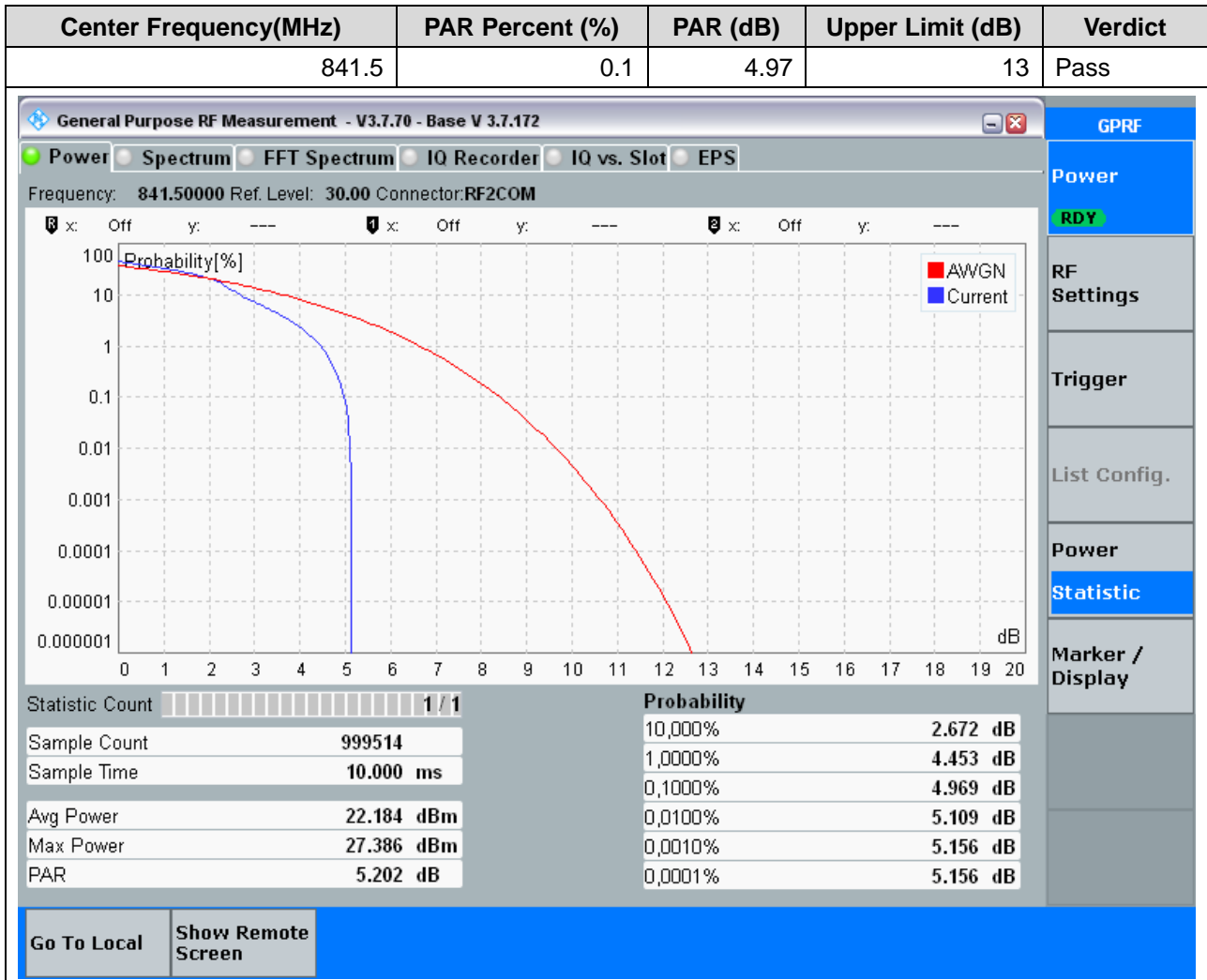


**11.10. LTE Peak to Average Ratio(NTNV)(Subtest:10, Channel:26965, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)**

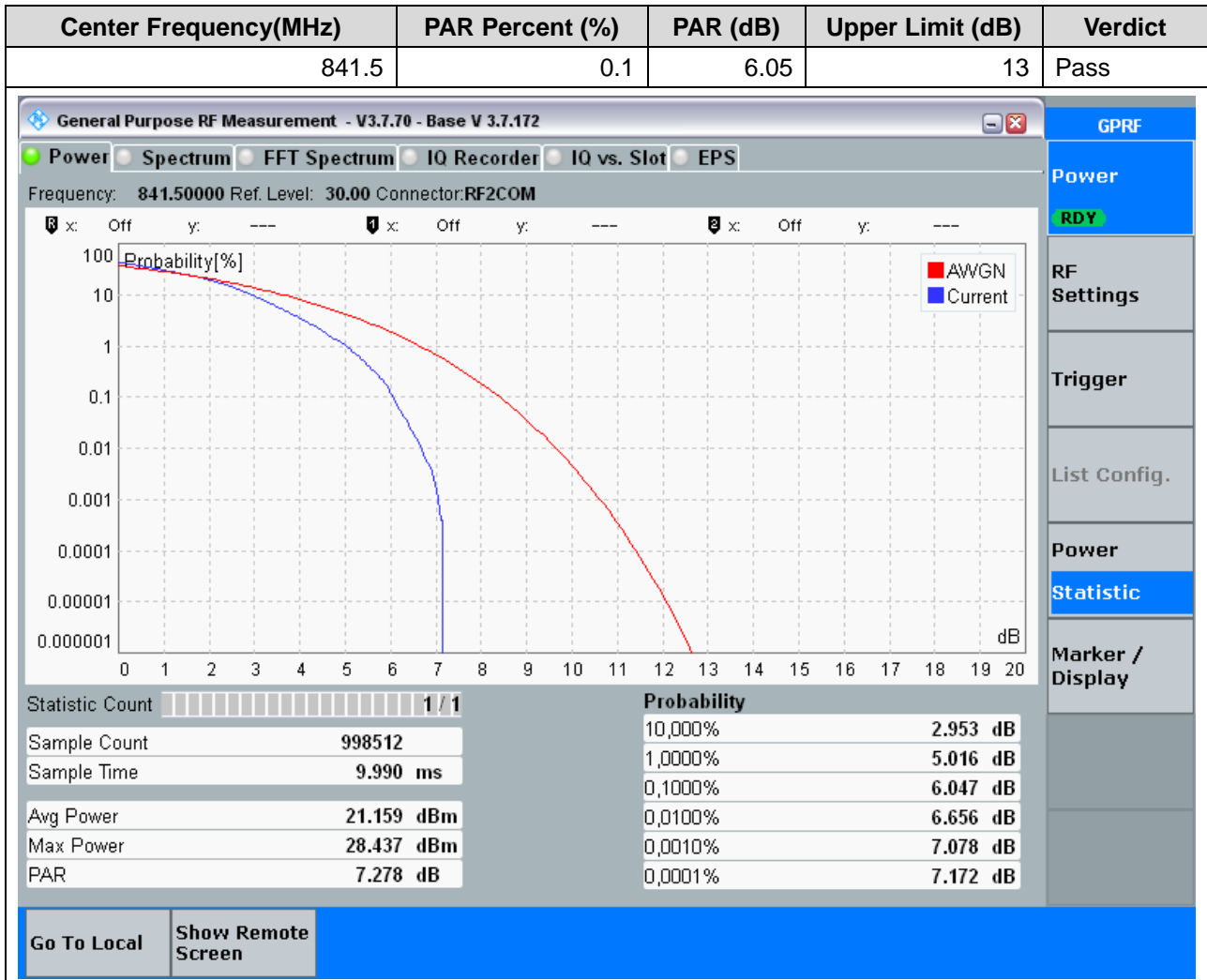




### 11.11. LTE Peak to Average Ratio(NTNV)(Subtest:11, Channel:26965, Bandwidth:15, Modulation:Q16, RB Number: 1, RB Position:LOW)

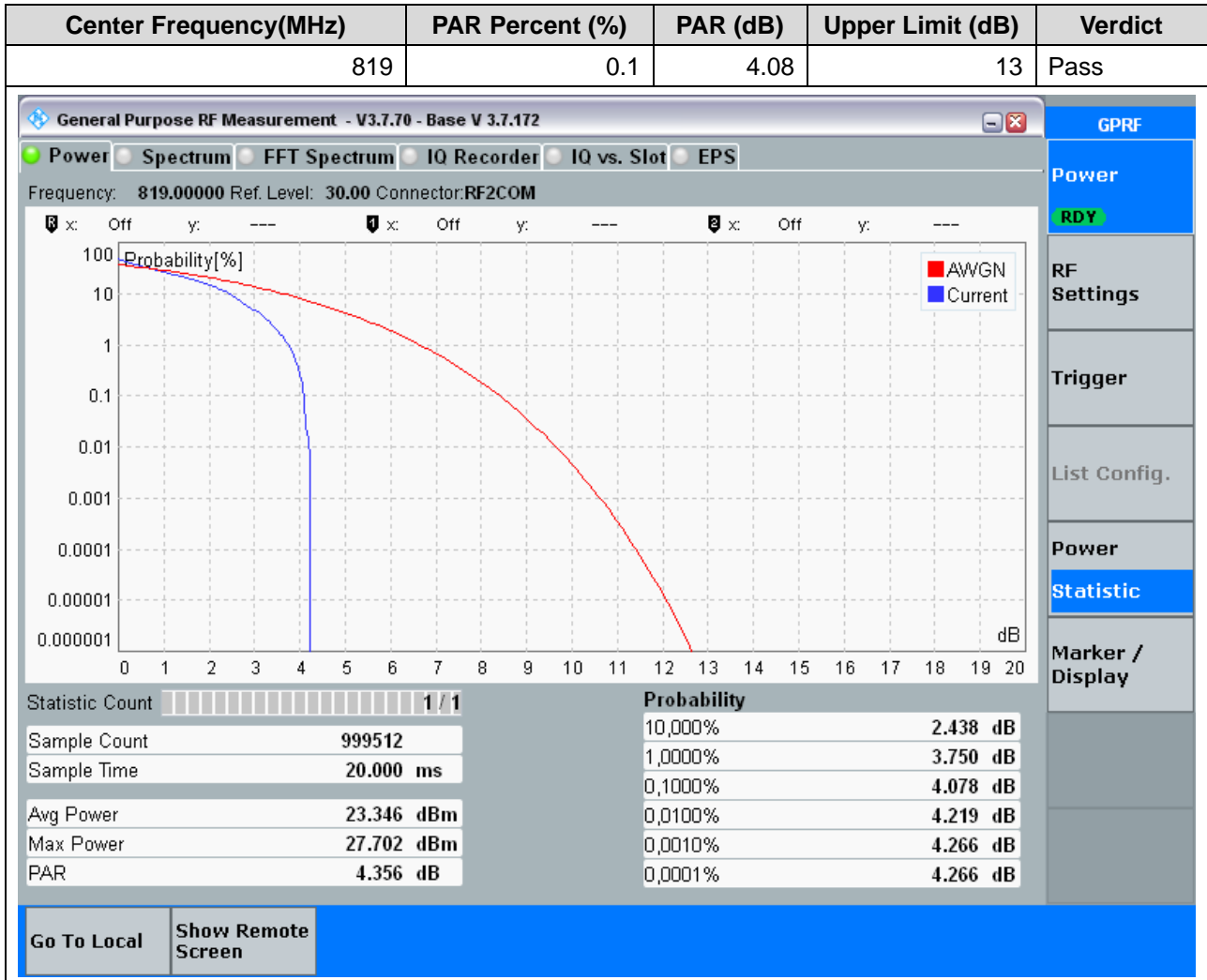


**11.12. LTE Peak to Average Ratio(NTNV)(Subtest:12, Channel:26965, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)**

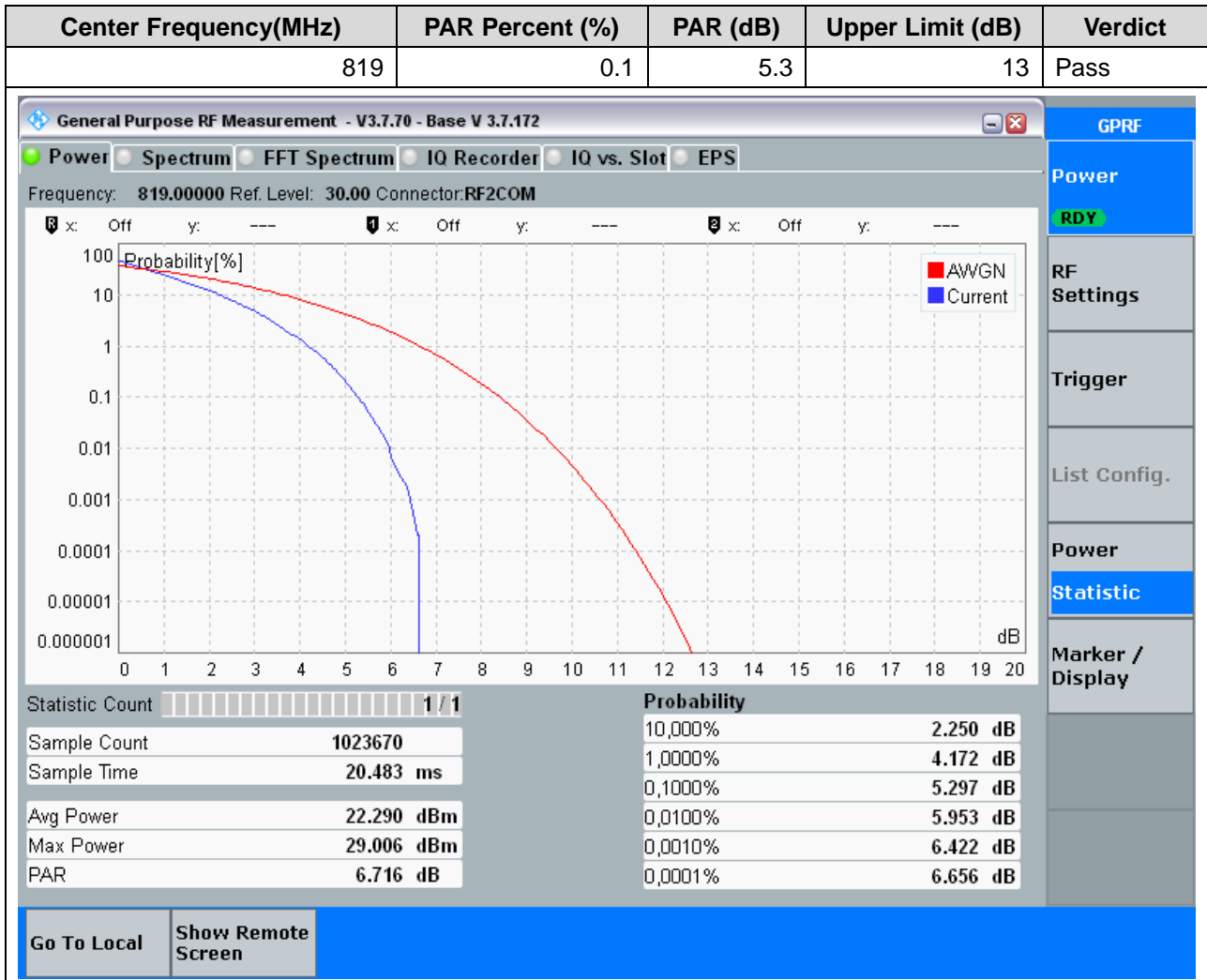


## 12. LTE\_Band26(part90)

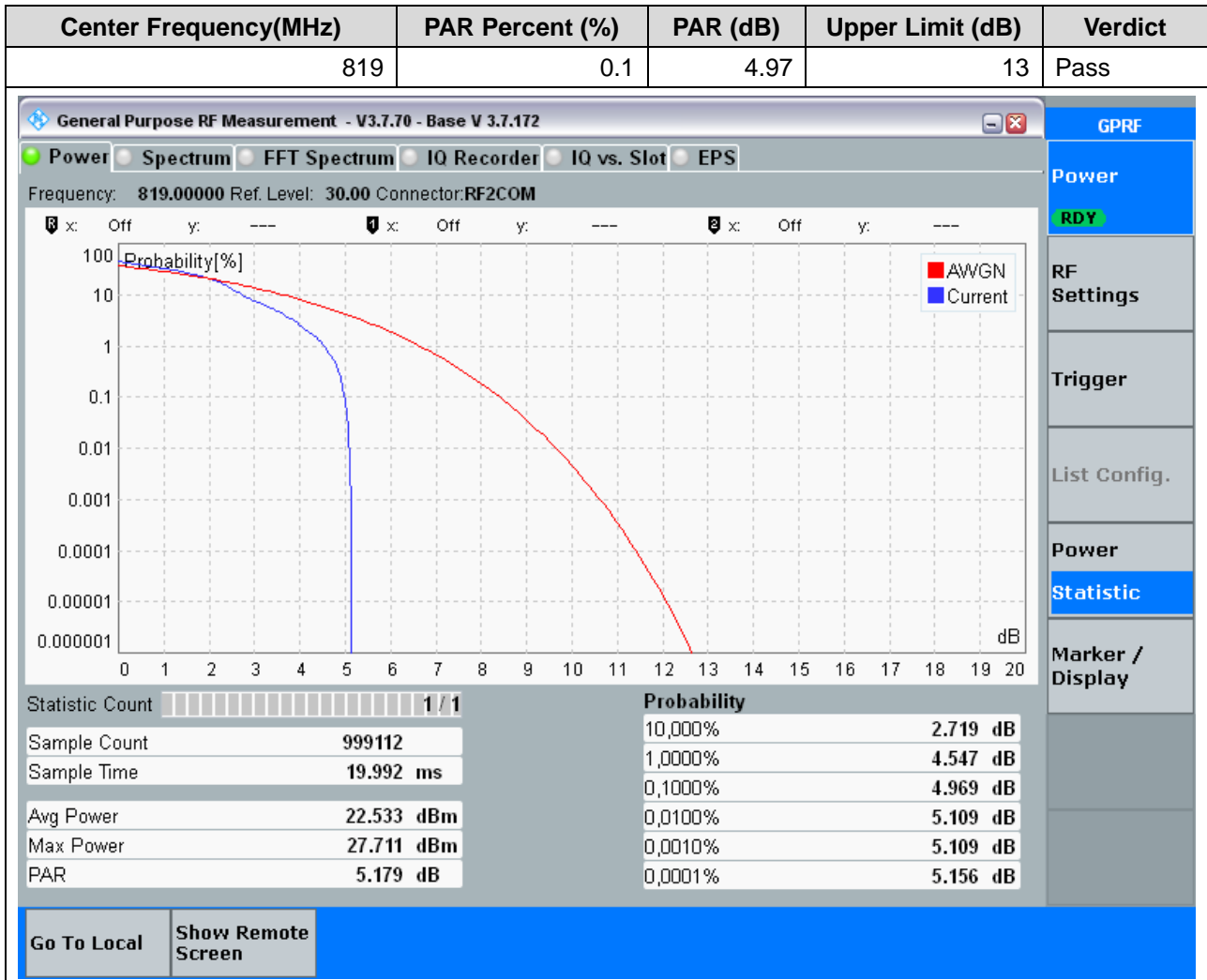
### 12.1. LTE Peak to Average Ratio(NTNV)(Subtest:1, Channel:26740, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)



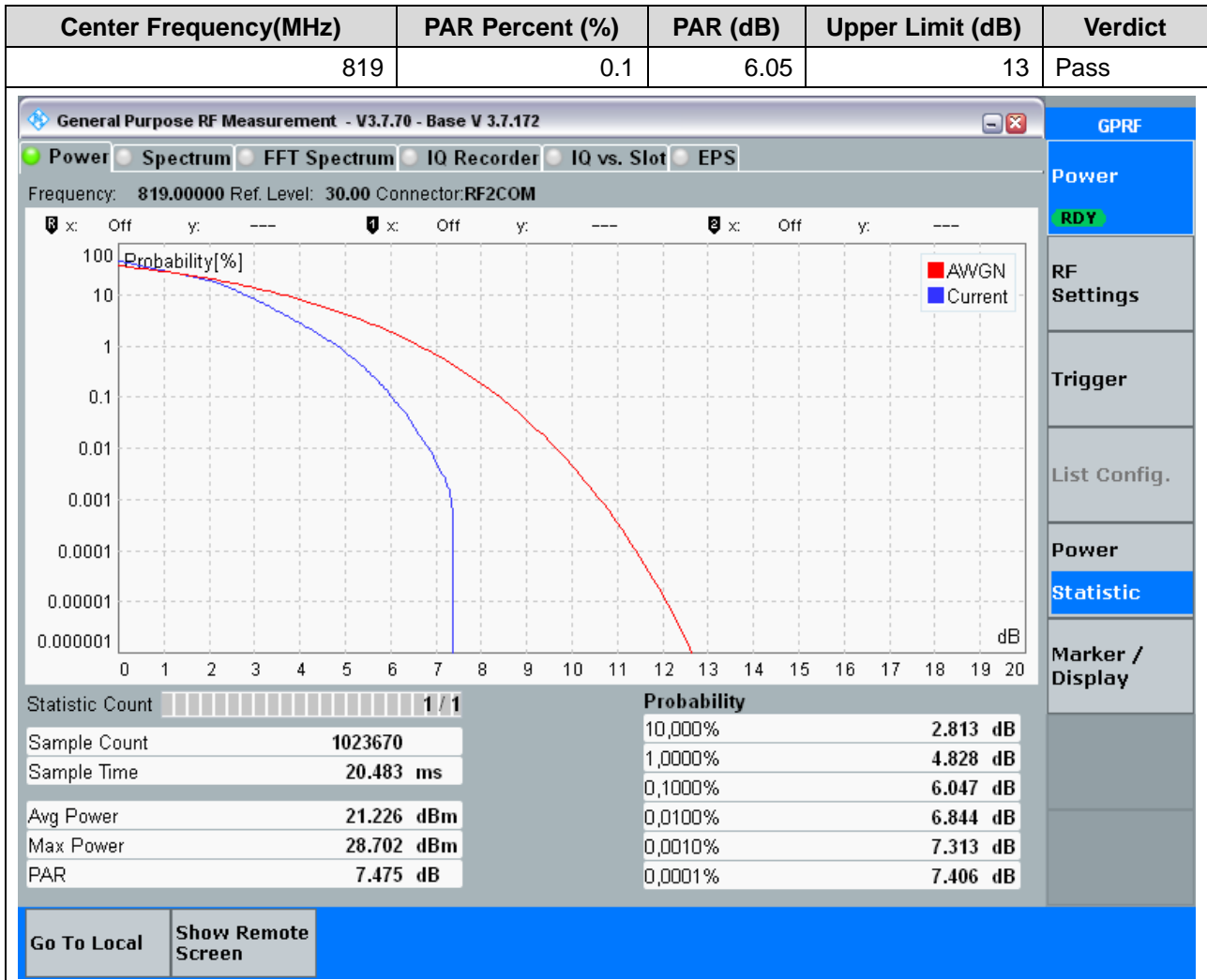
**12.2. LTE Peak to Average Ratio(NTNV)(Subtest:2, Channel:26740, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)**



### 12.3. LTE Peak to Average Ratio(NTNV)(Subtest:3, Channel:26740, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:LOW)

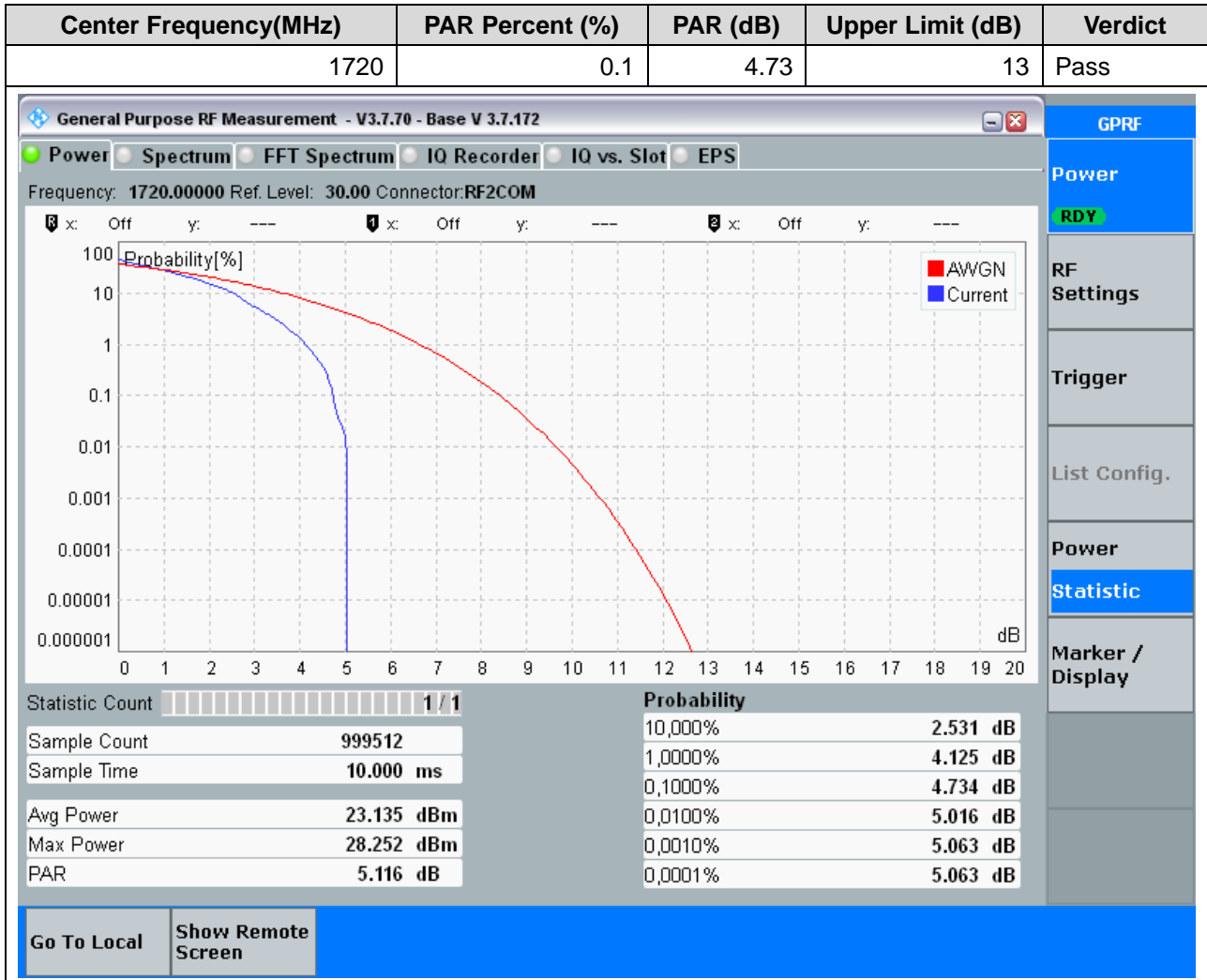


**12.4. LTE Peak to Average Ratio(NTNV)(Subtest:4, Channel:26740, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)**

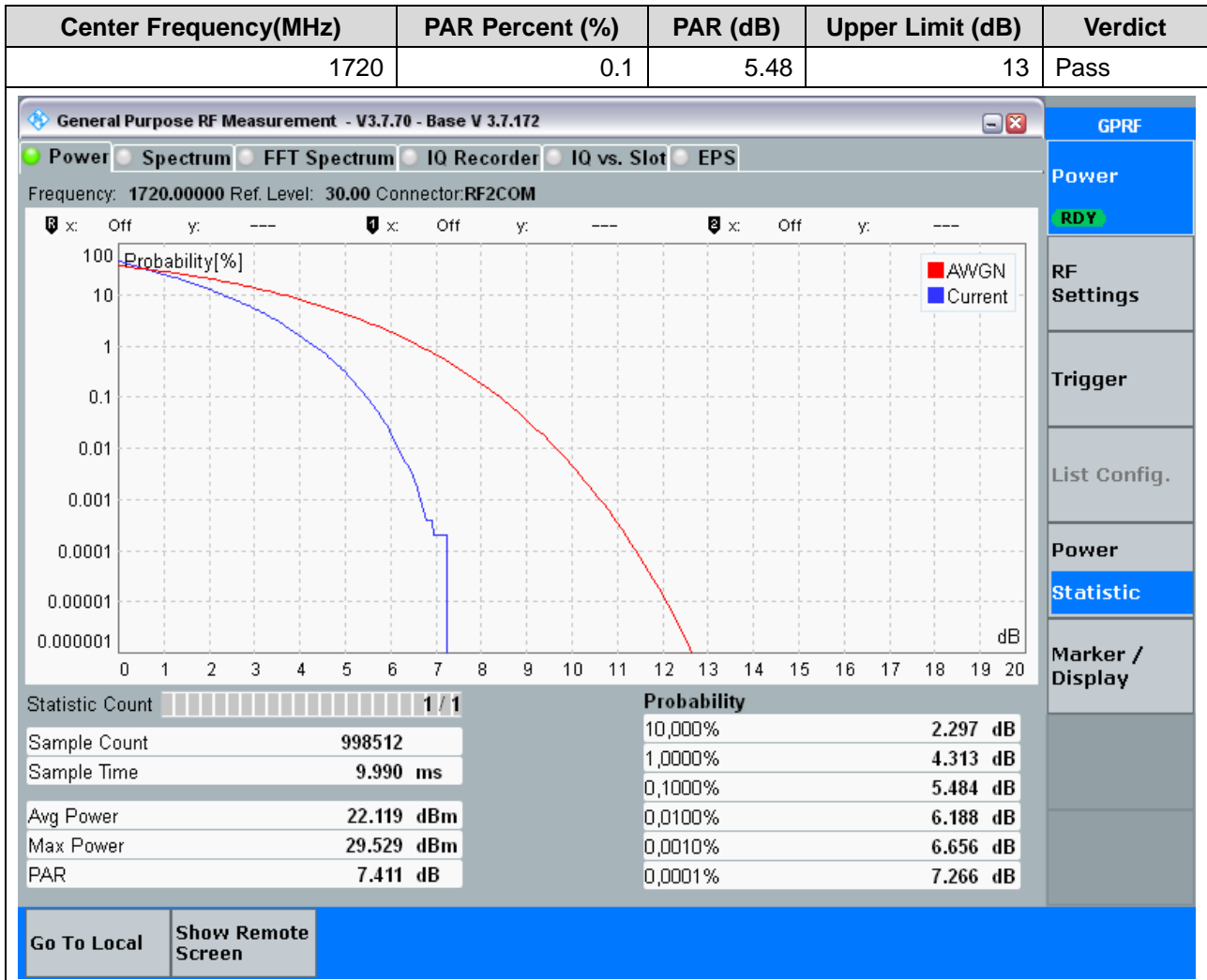


### 13. LTE\_Band66

#### 13.1. LTE Peak to Average Ratio(NTNV)(Subtest:1, Channel:132072, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)

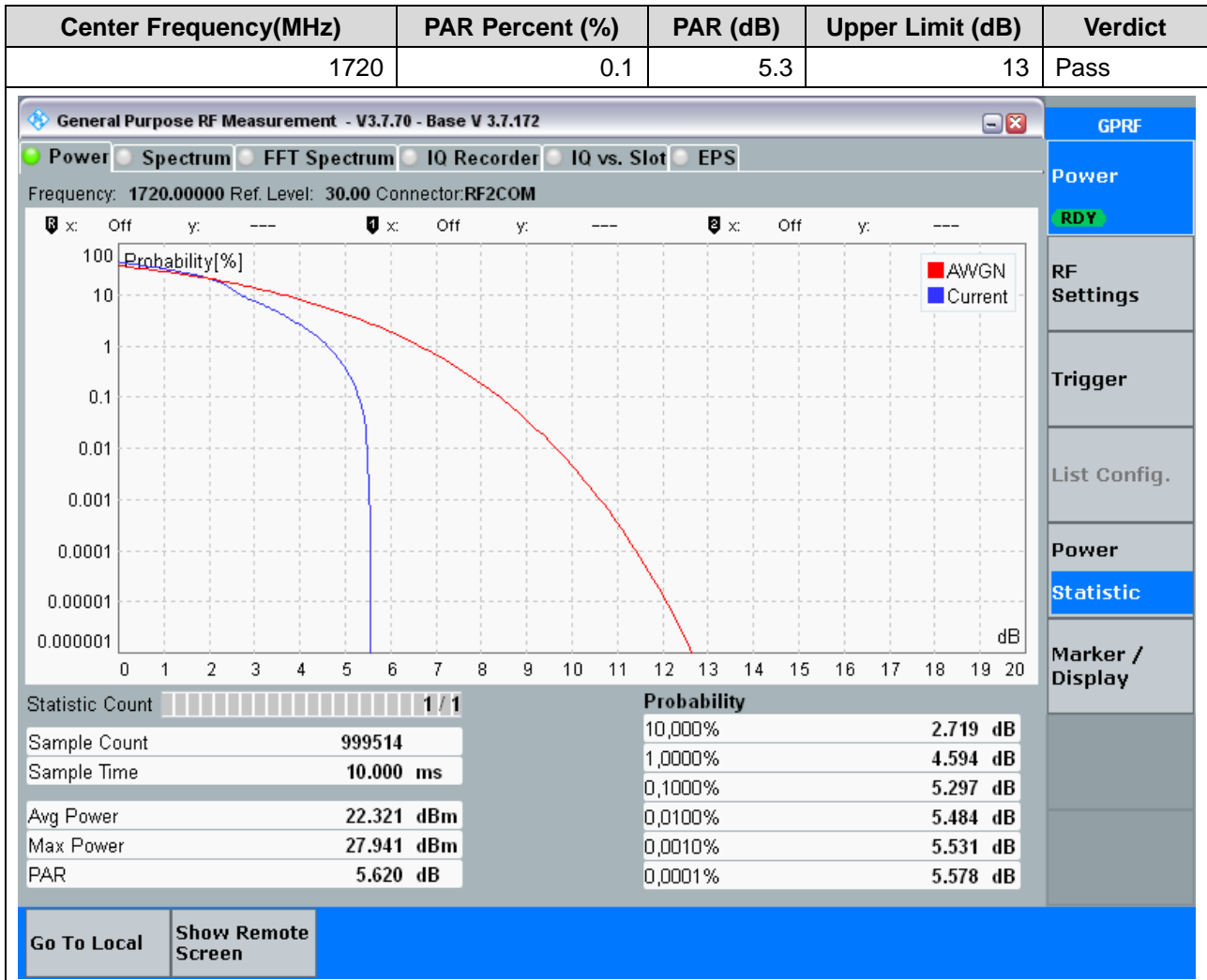


**13.2. LTE Peak to Average Ratio(NTNV)(Subtest:2, Channel:132072, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)**

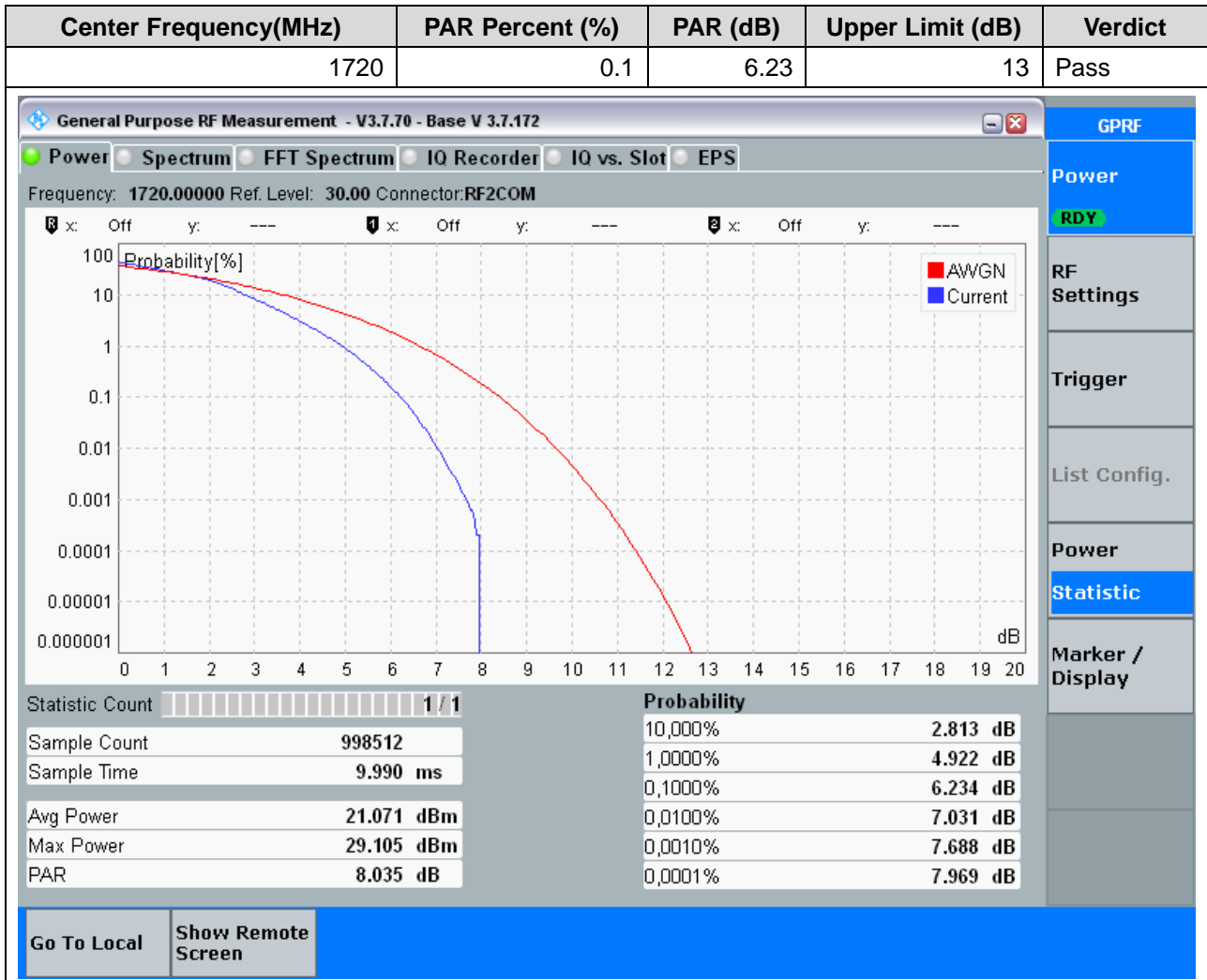




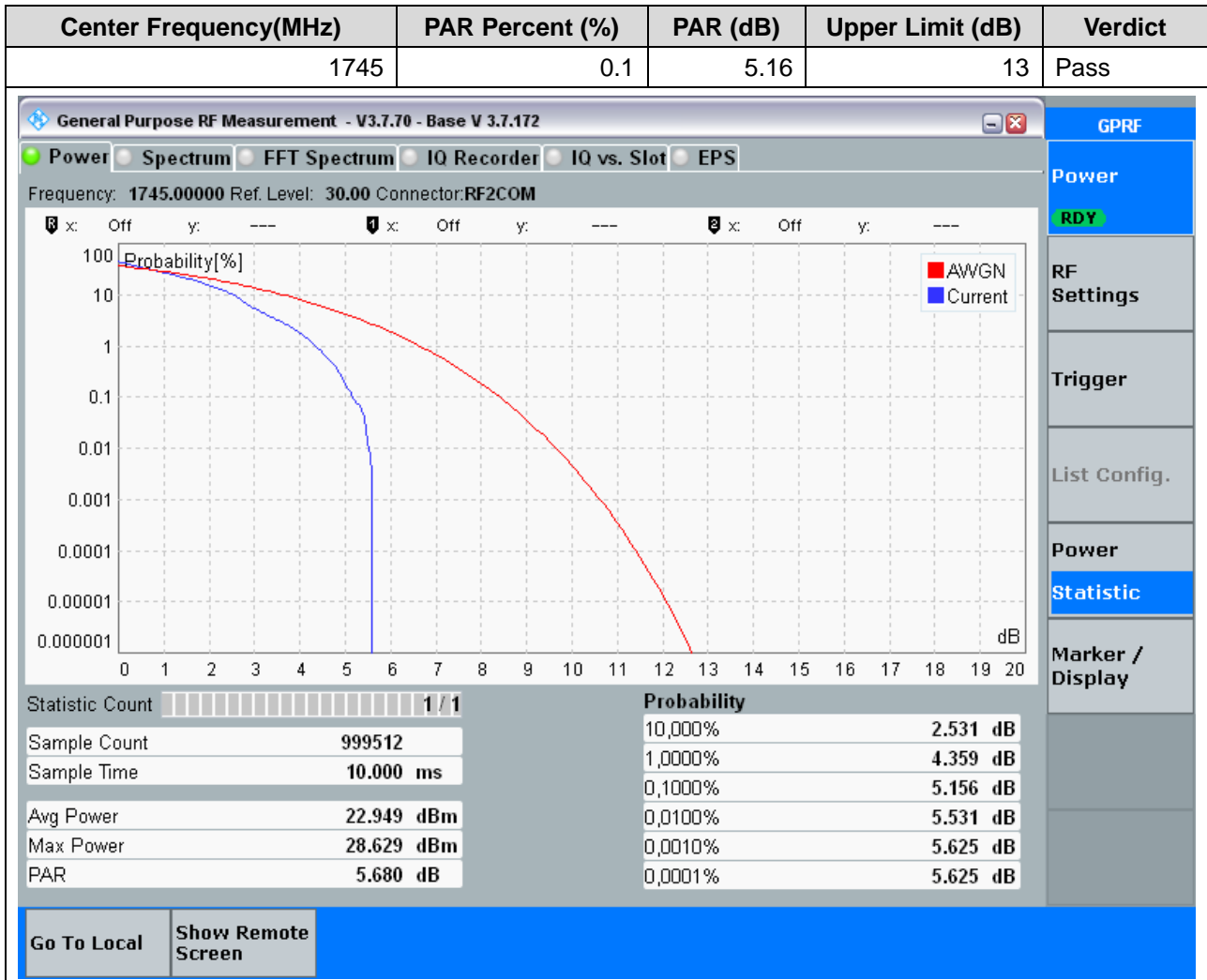
**13.3. LTE Peak to Average Ratio(NTNV)(Subtest:3, Channel:132072, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)**



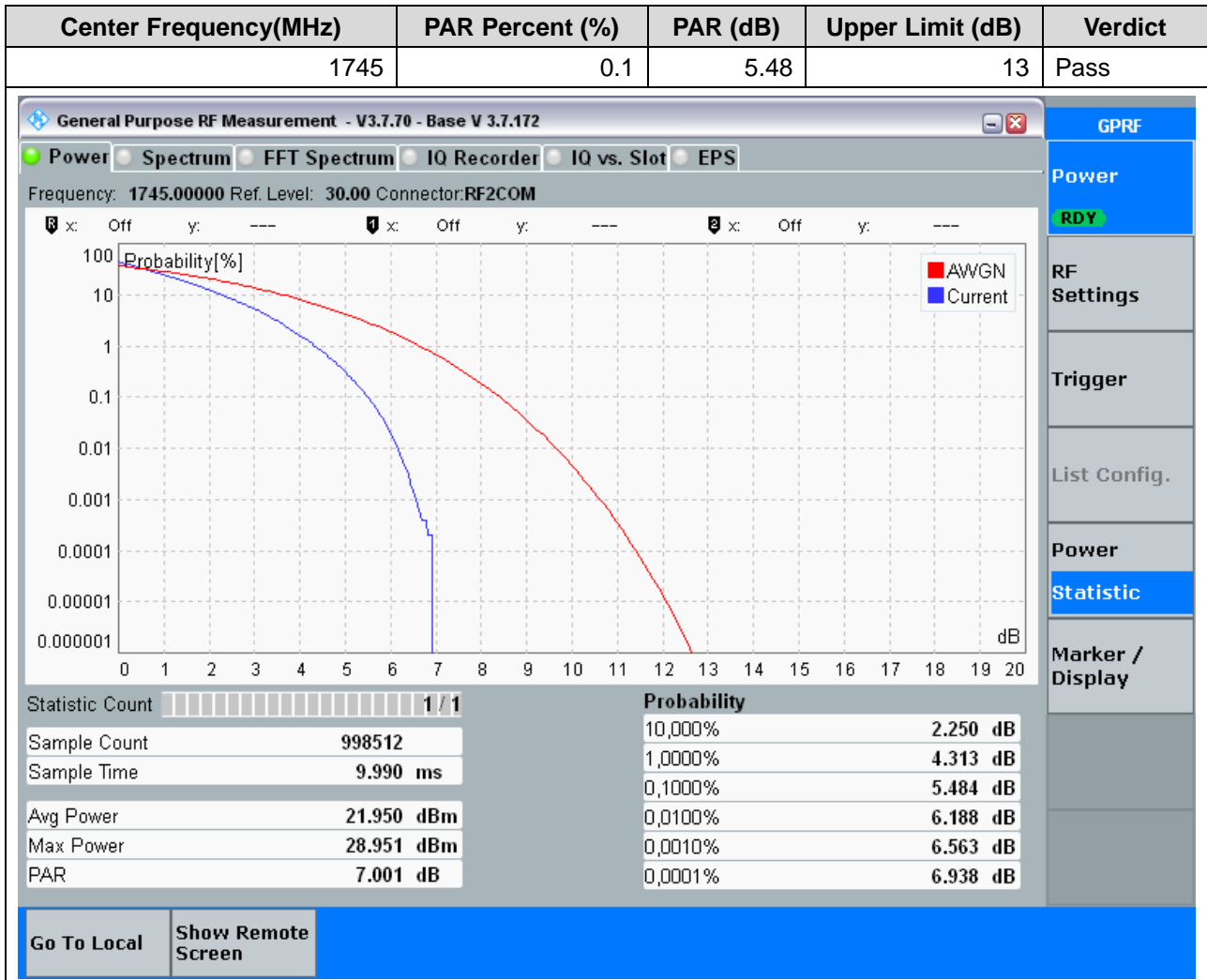
**13.4. LTE Peak to Average Ratio(NTNV)(Subtest:4, Channel:132072, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)**



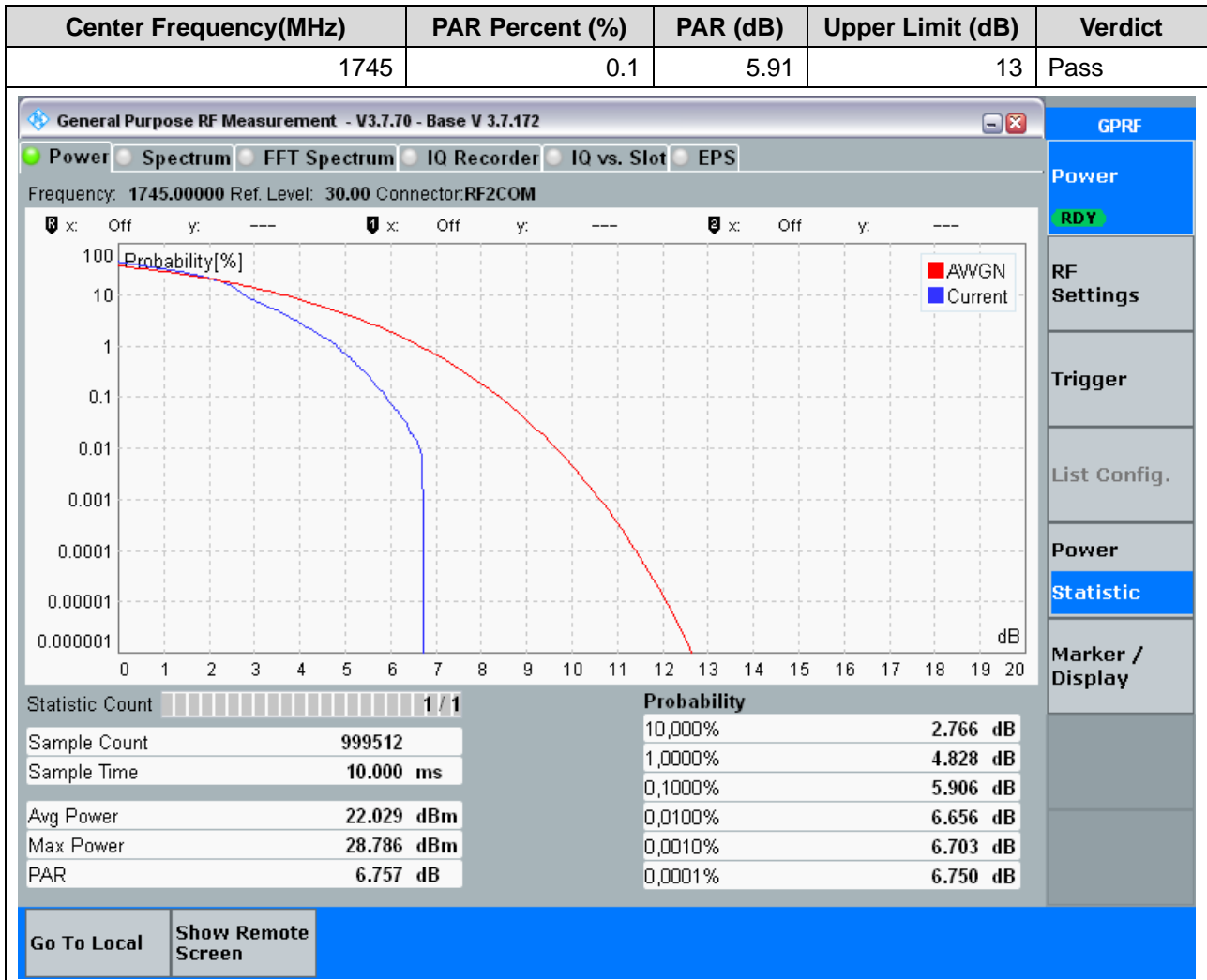
**13.5. LTE Peak to Average Ratio(NTNV)(Subtest:5, Channel:132322, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)**



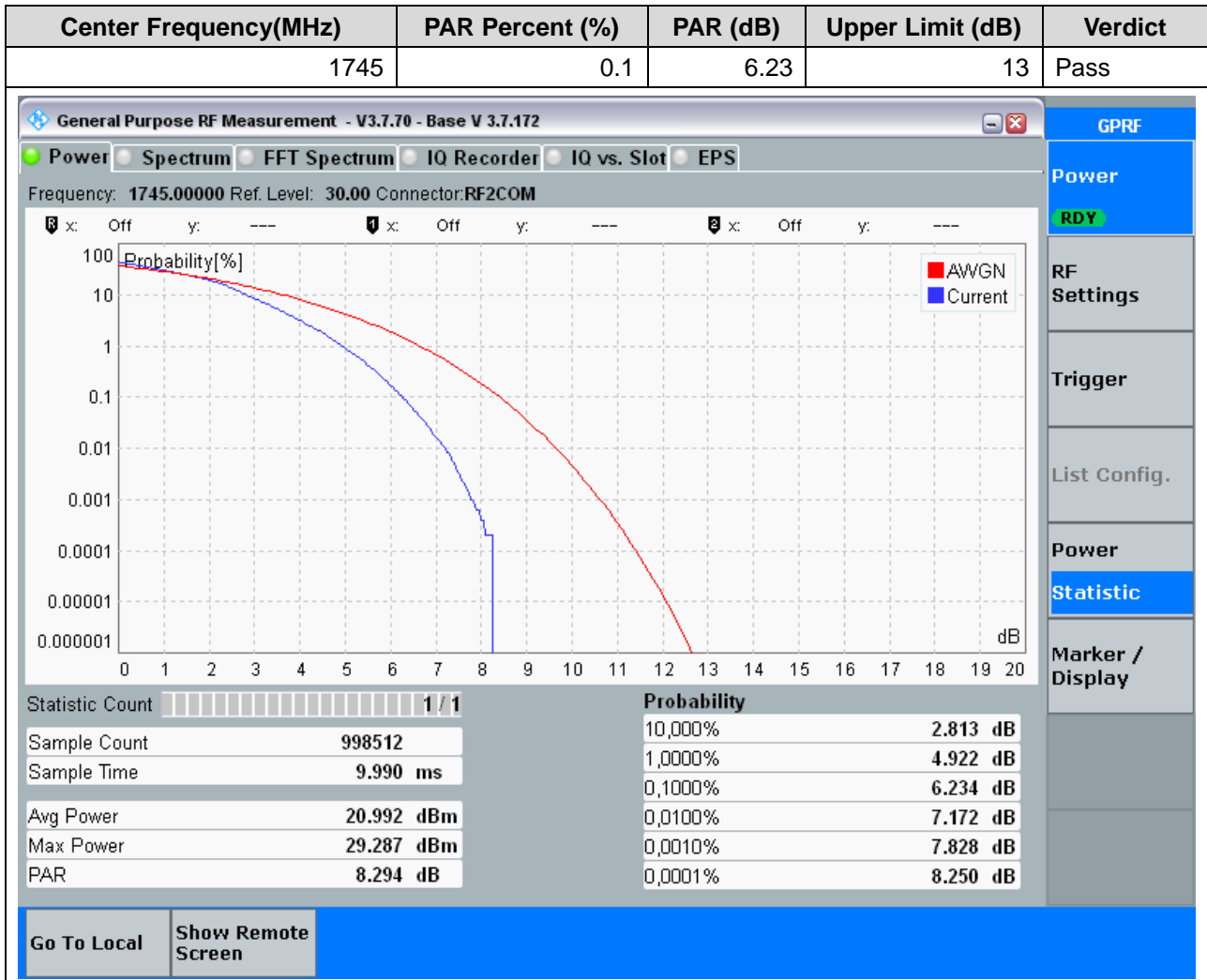
**13.6. LTE Peak to Average Ratio(NTNV)(Subtest:6, Channel:132322, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)**



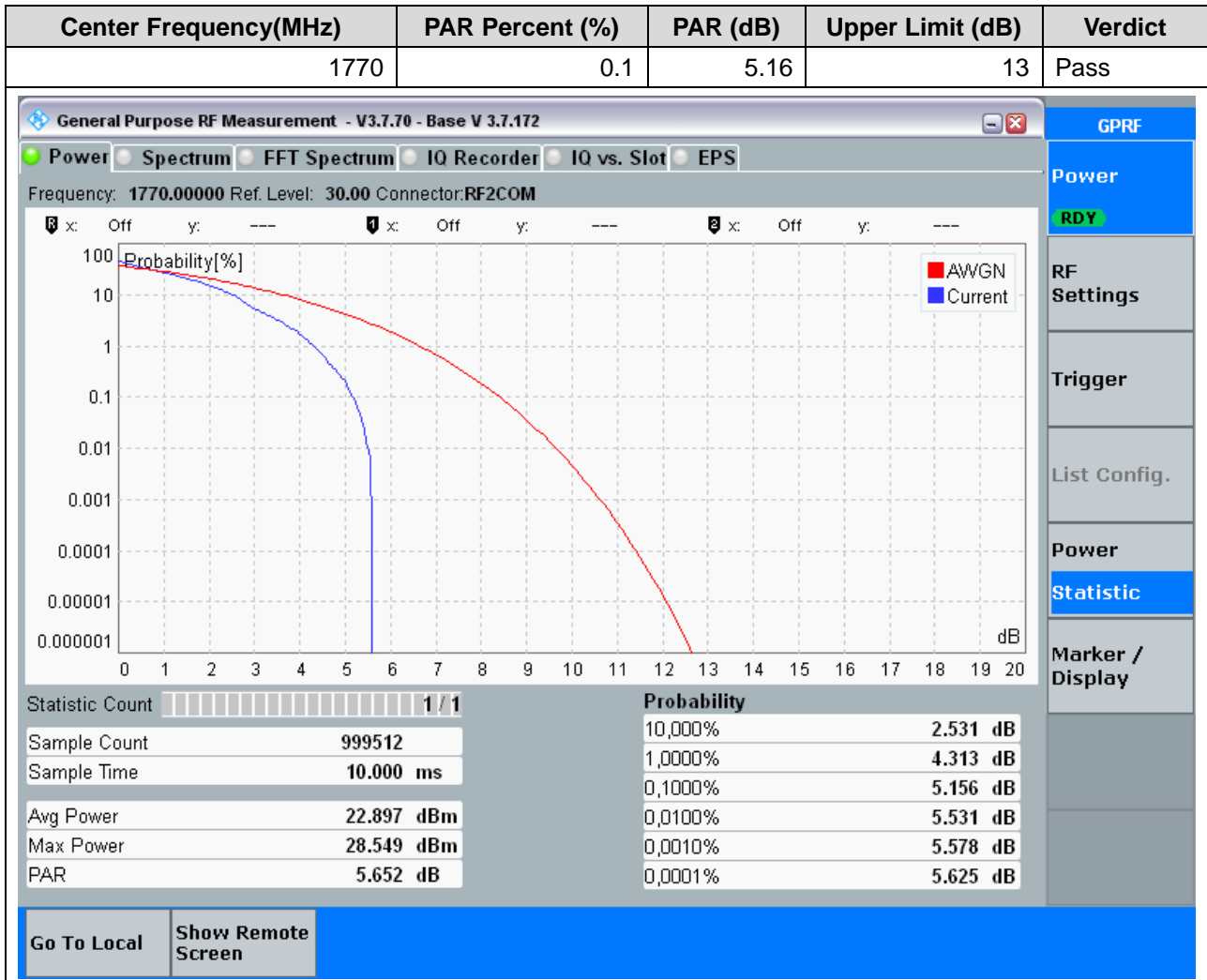
**13.7. LTE Peak to Average Ratio(NTNV)(Subtest:7, Channel:132322, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)**



**13.8. LTE Peak to Average Ratio(NTNV)(Subtest:8, Channel:132322, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)**



**13.9. LTE Peak to Average Ratio(NTNV)(Subtest:9, Channel:132572, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)**



**13.10. LTE Peak to Average Ratio(NTNV)(Subtest:10, Channel:132572, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)**

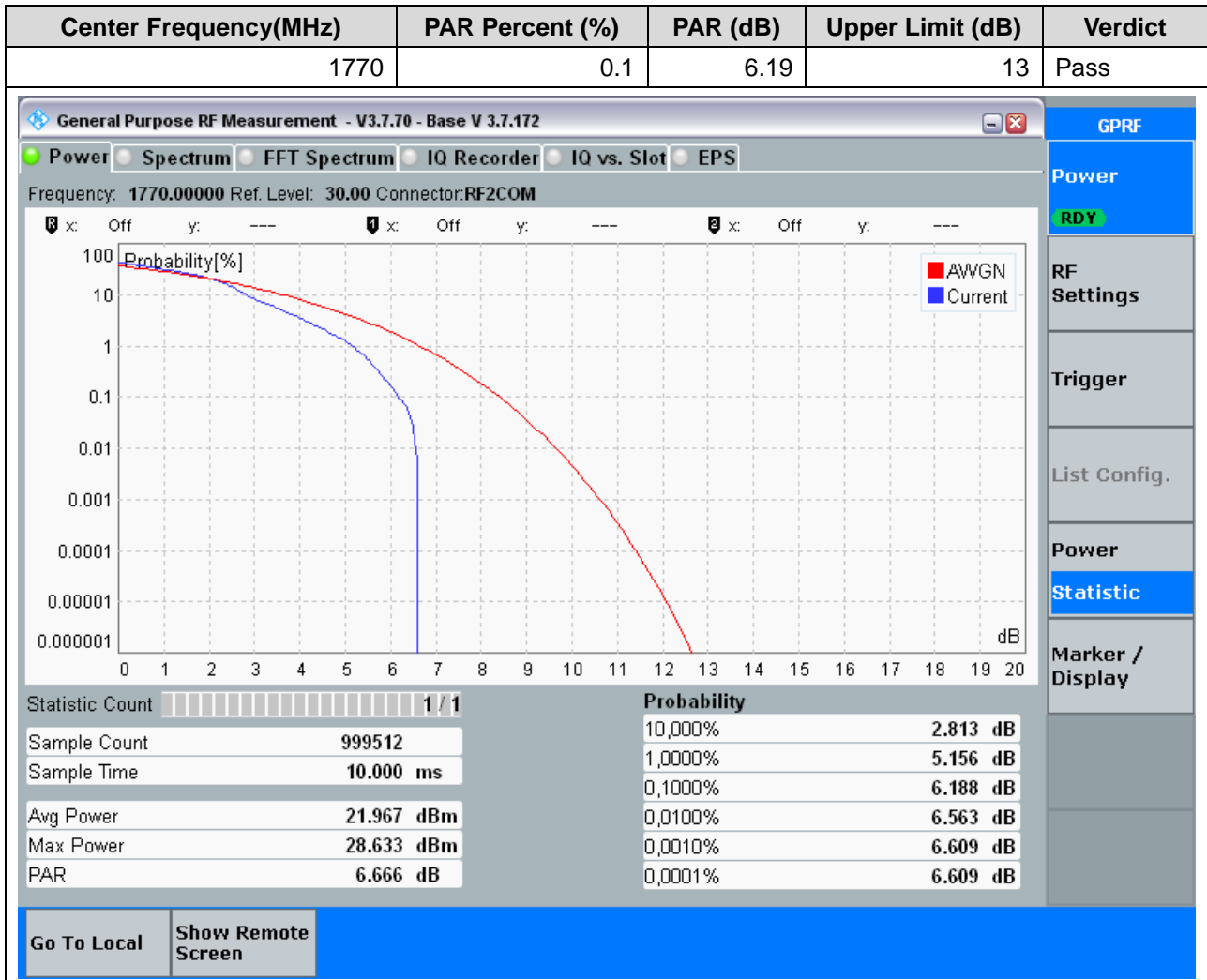
Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1770	0.1	5.53	13	Pass

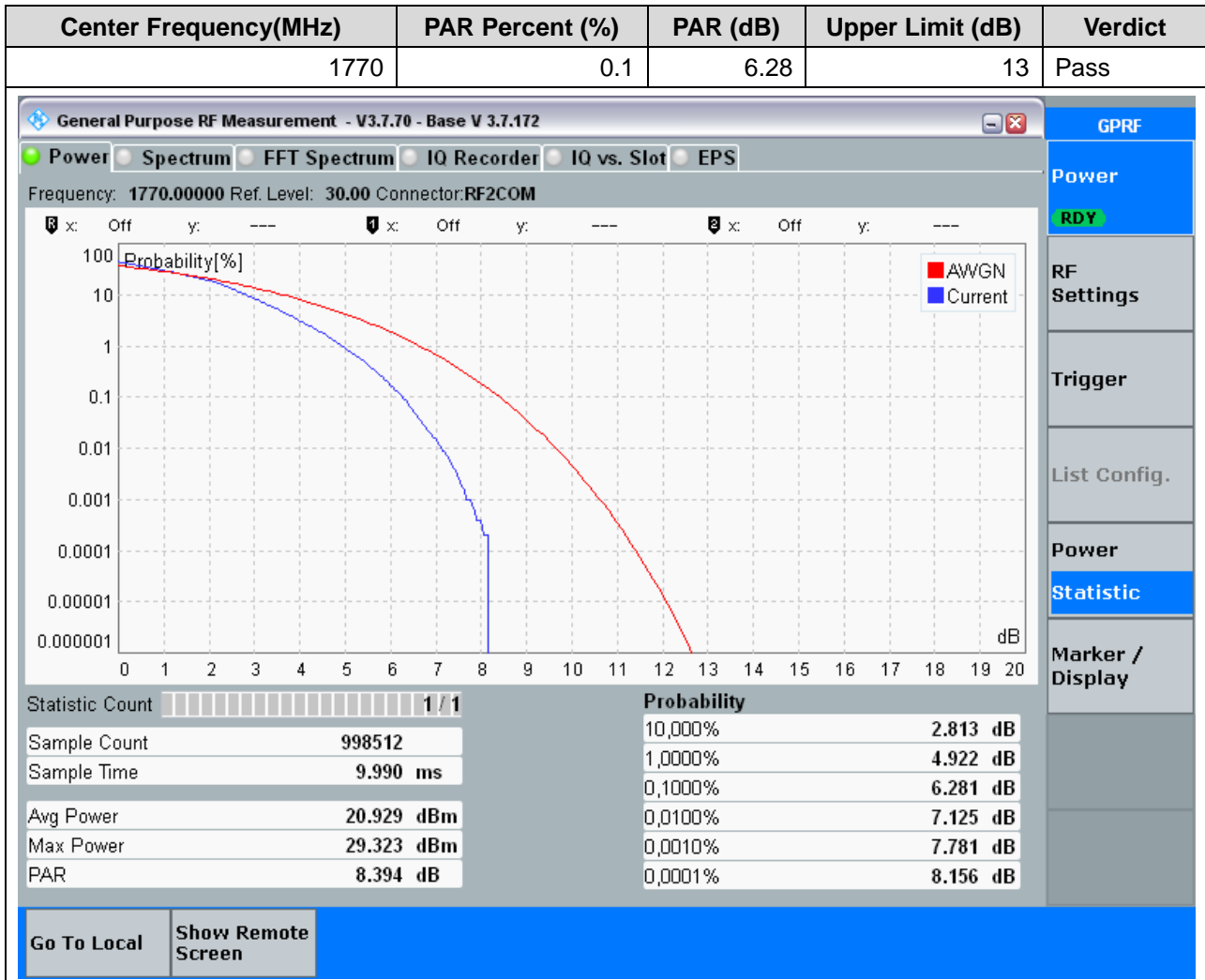
Statistic Count		Probability	
Sample Count	998512	10,000%	2.250 dB
Sample Time	9.990 ms	1,0000%	4.359 dB
Avg Power	21.943 dBm	0,1000%	5.531 dB
Max Power	29.456 dBm	0,0100%	6.281 dB
PAR	7.513 dB	0,0010%	6.844 dB
		0,0001%	7.359 dB



**13.11. LTE Peak to Average Ratio(NTNV)(Subtest:11, Channel:132572, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)**

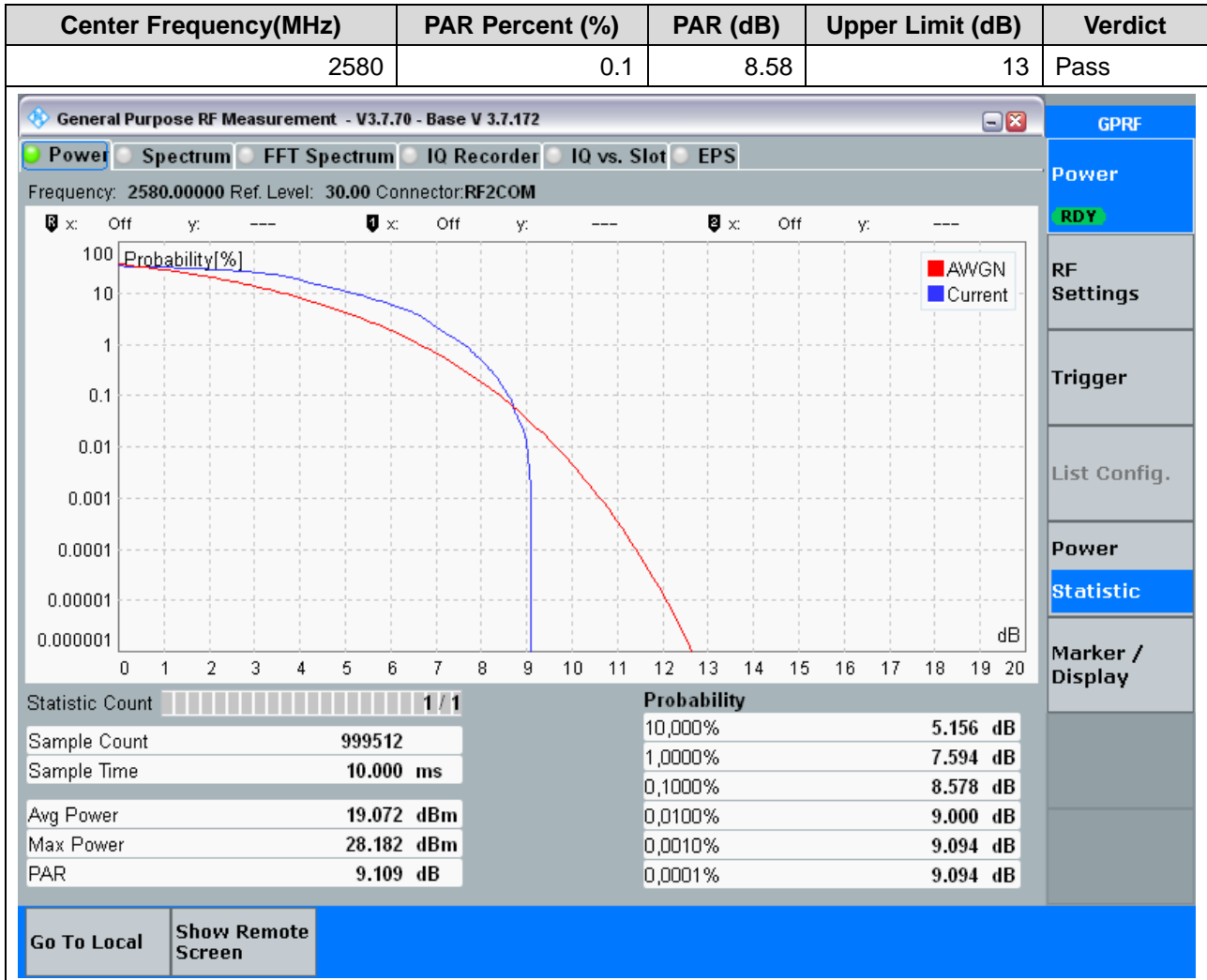


**13.12. LTE Peak to Average Ratio(NTNV)(Subtest:12, Channel:132572, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)**

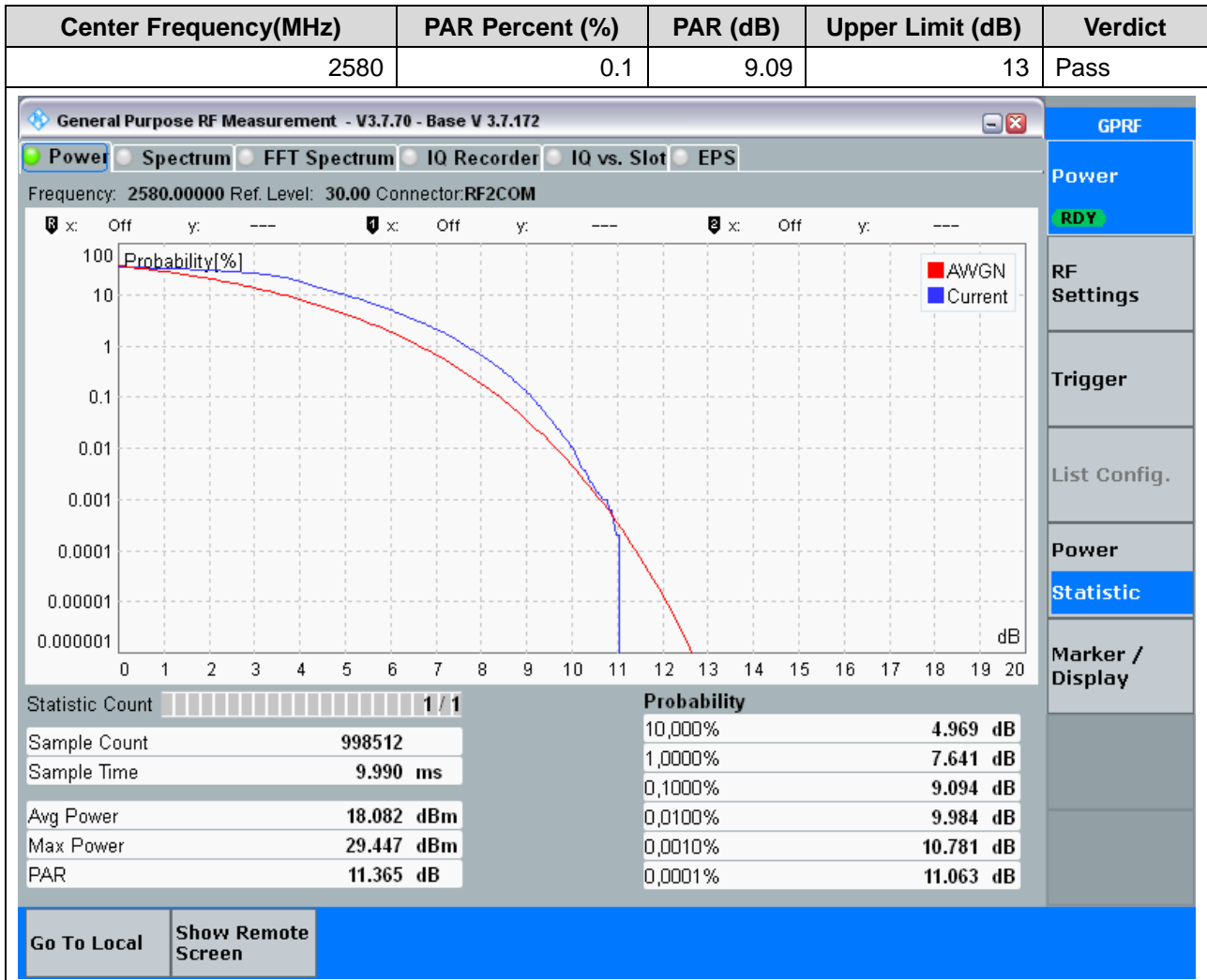


## 14. LTE\_Band38

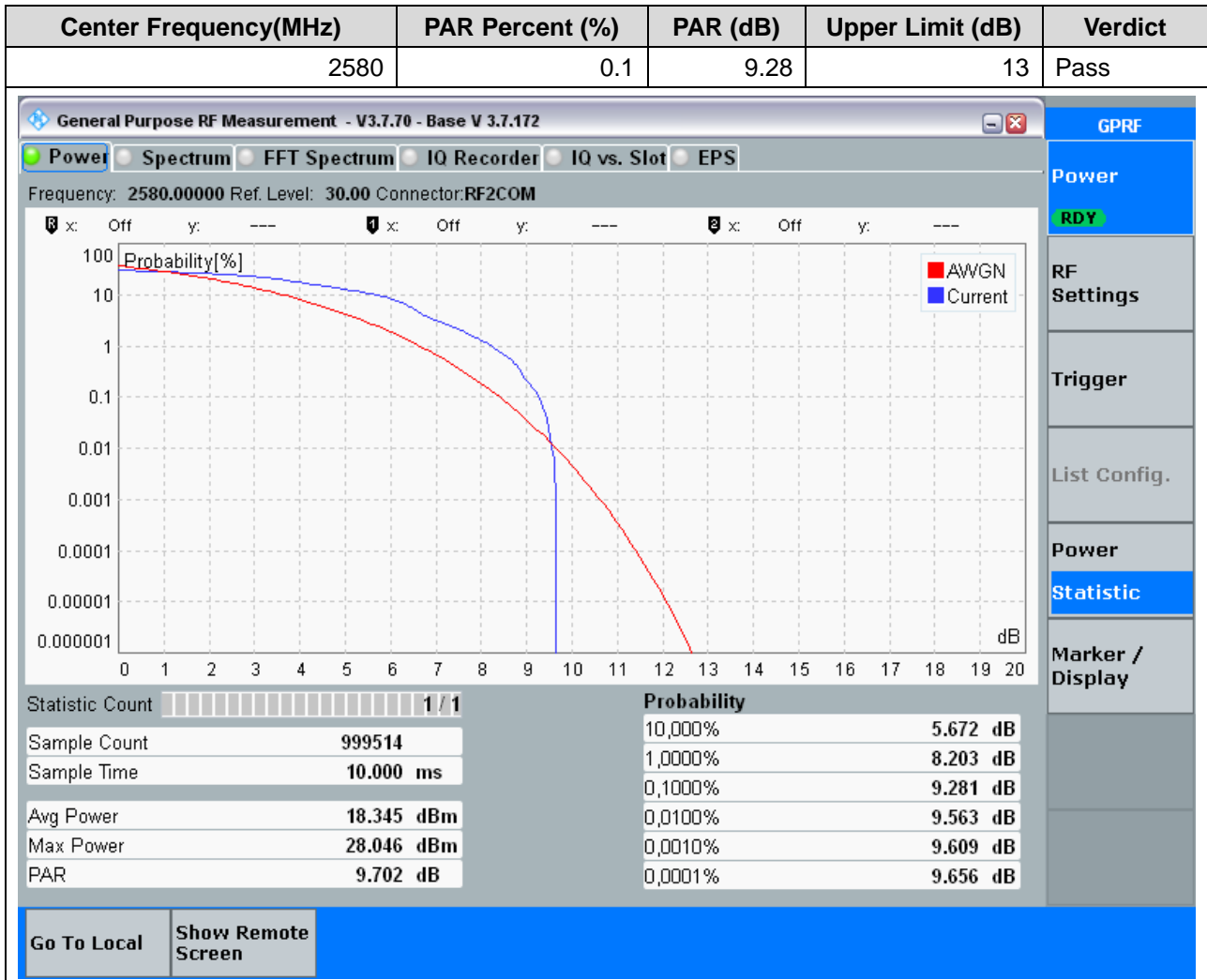
### 14.1. LTE Peak to Average Ratio(NTNV)(Subtest:1, Channel:37850, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)



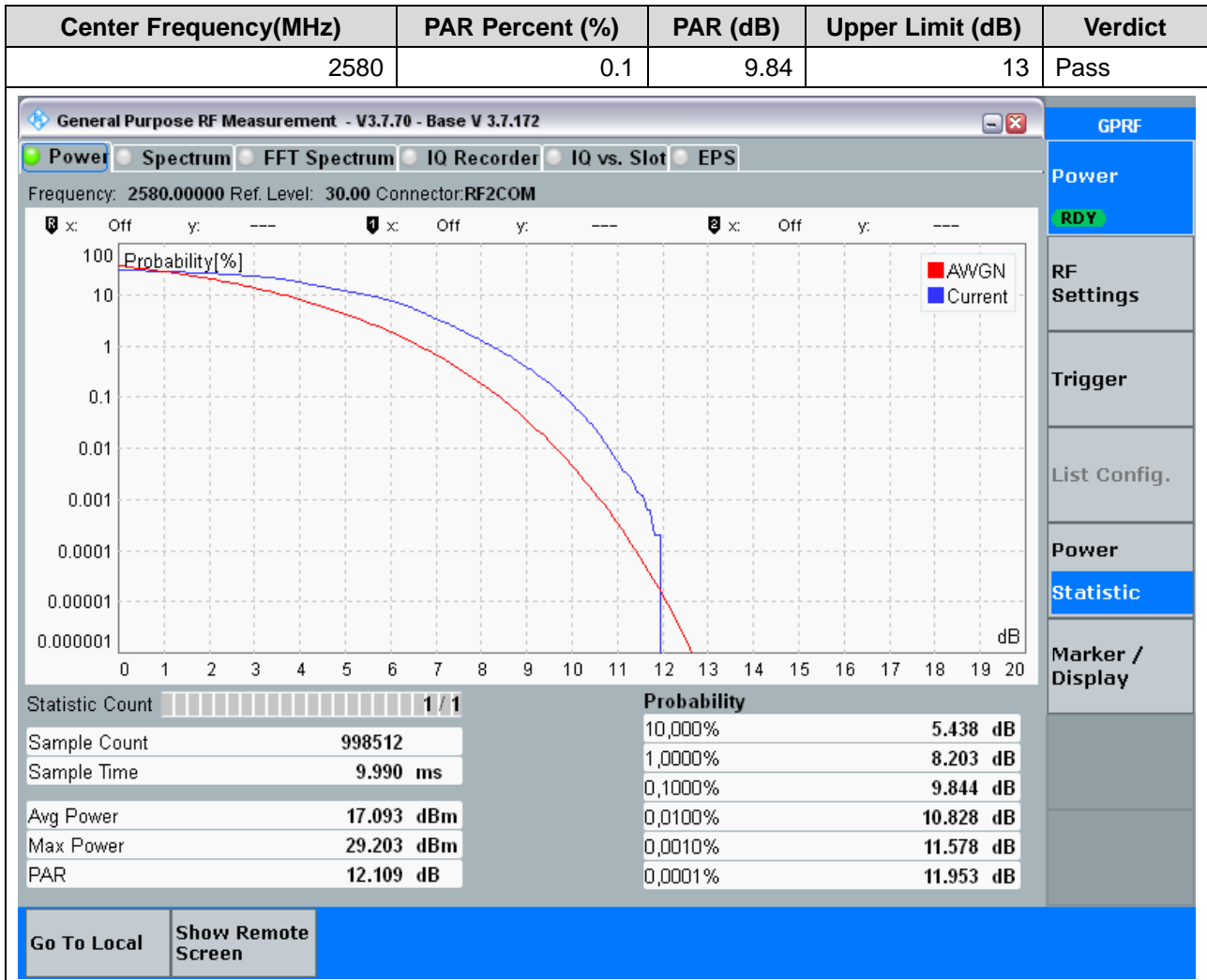
**14.2. LTE Peak to Average Ratio(NTNV)(Subtest:2, Channel:37850, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)**



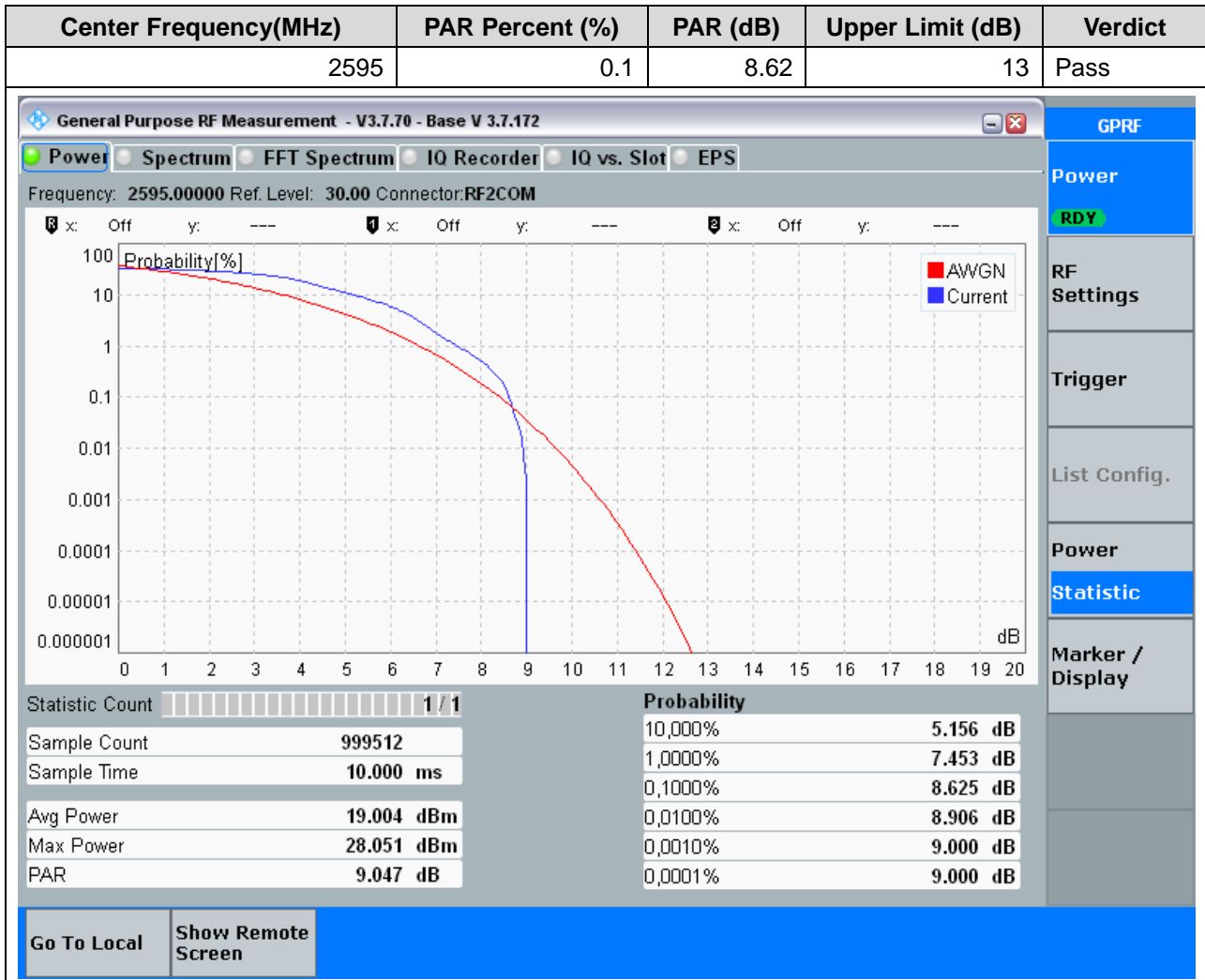
**14.3. LTE Peak to Average Ratio(NTNV)(Subtest:3, Channel:37850, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)**



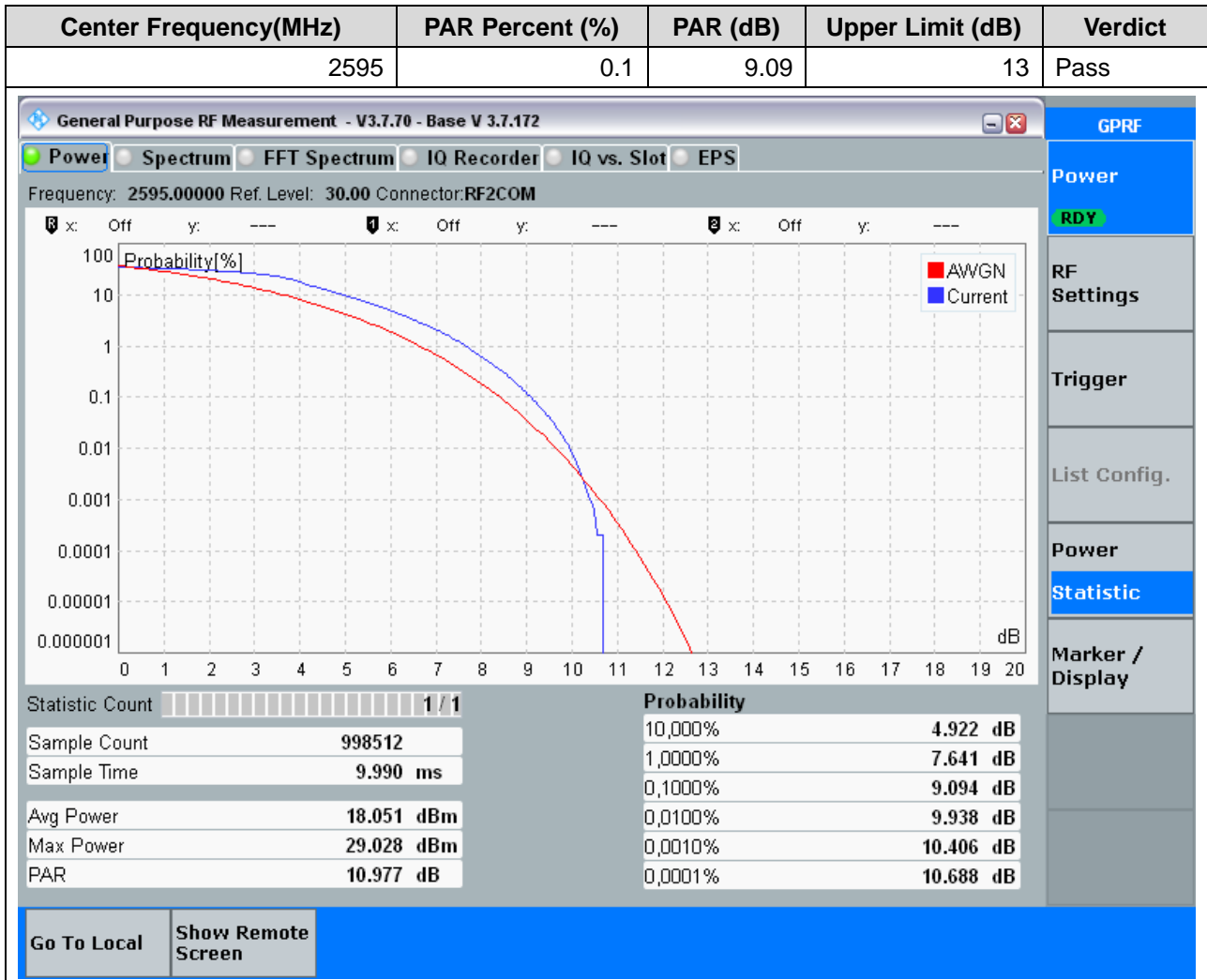
**14.4. LTE Peak to Average Ratio(NTNV)(Subtest:4, Channel:37850, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)**



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

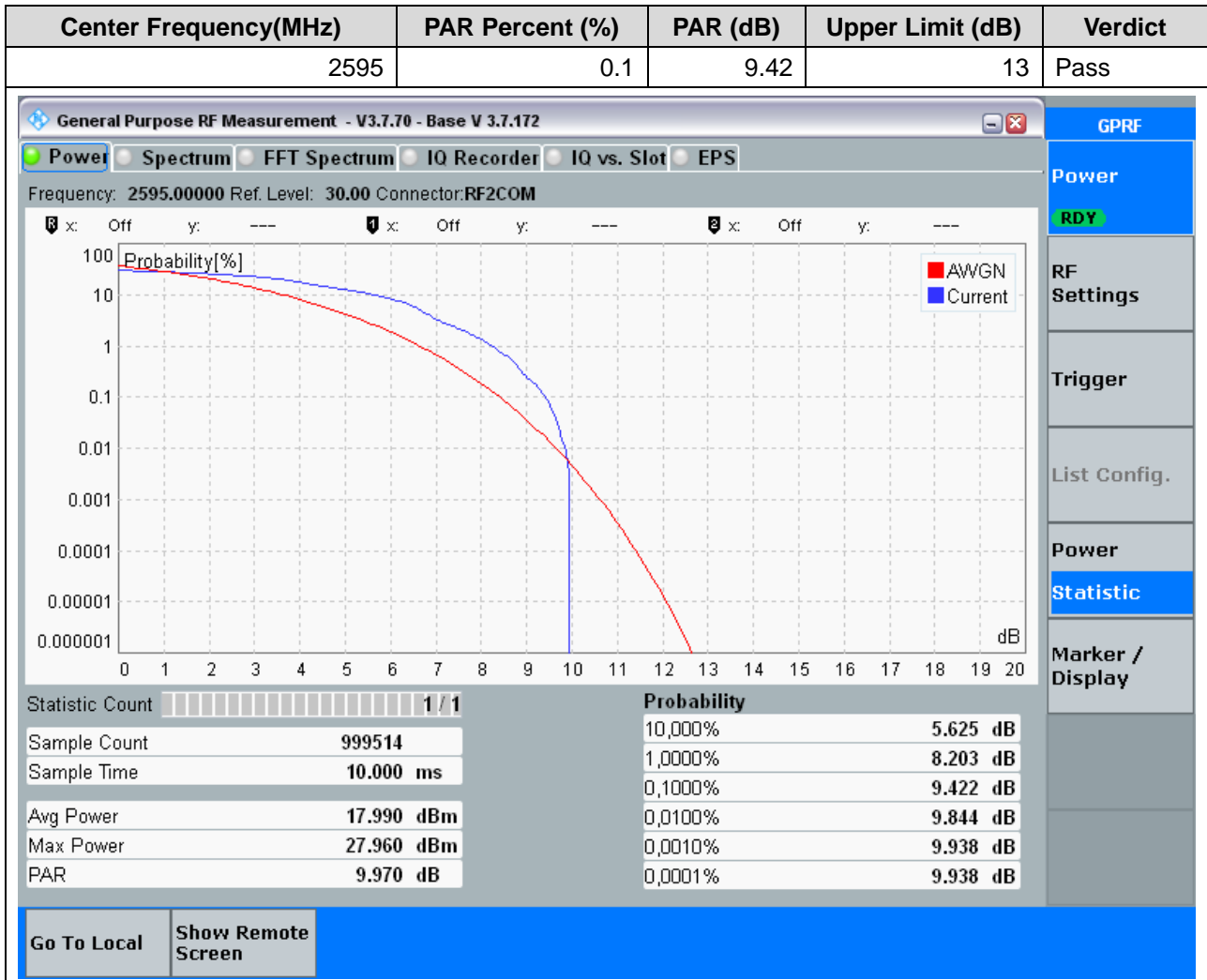


**14.6. LTE Peak to Average Ratio(NTNV)(Subtest:6, Channel:38000, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)**

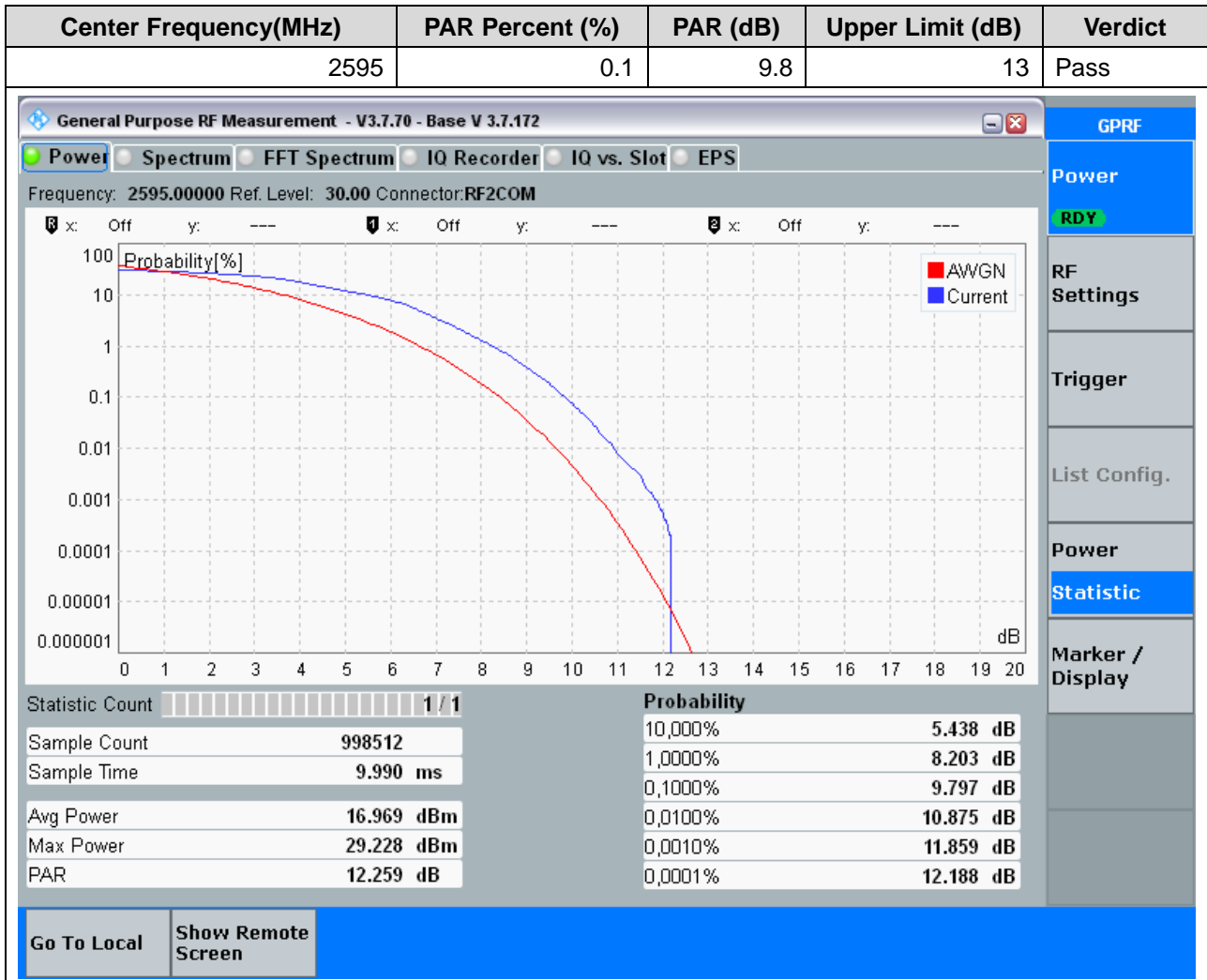




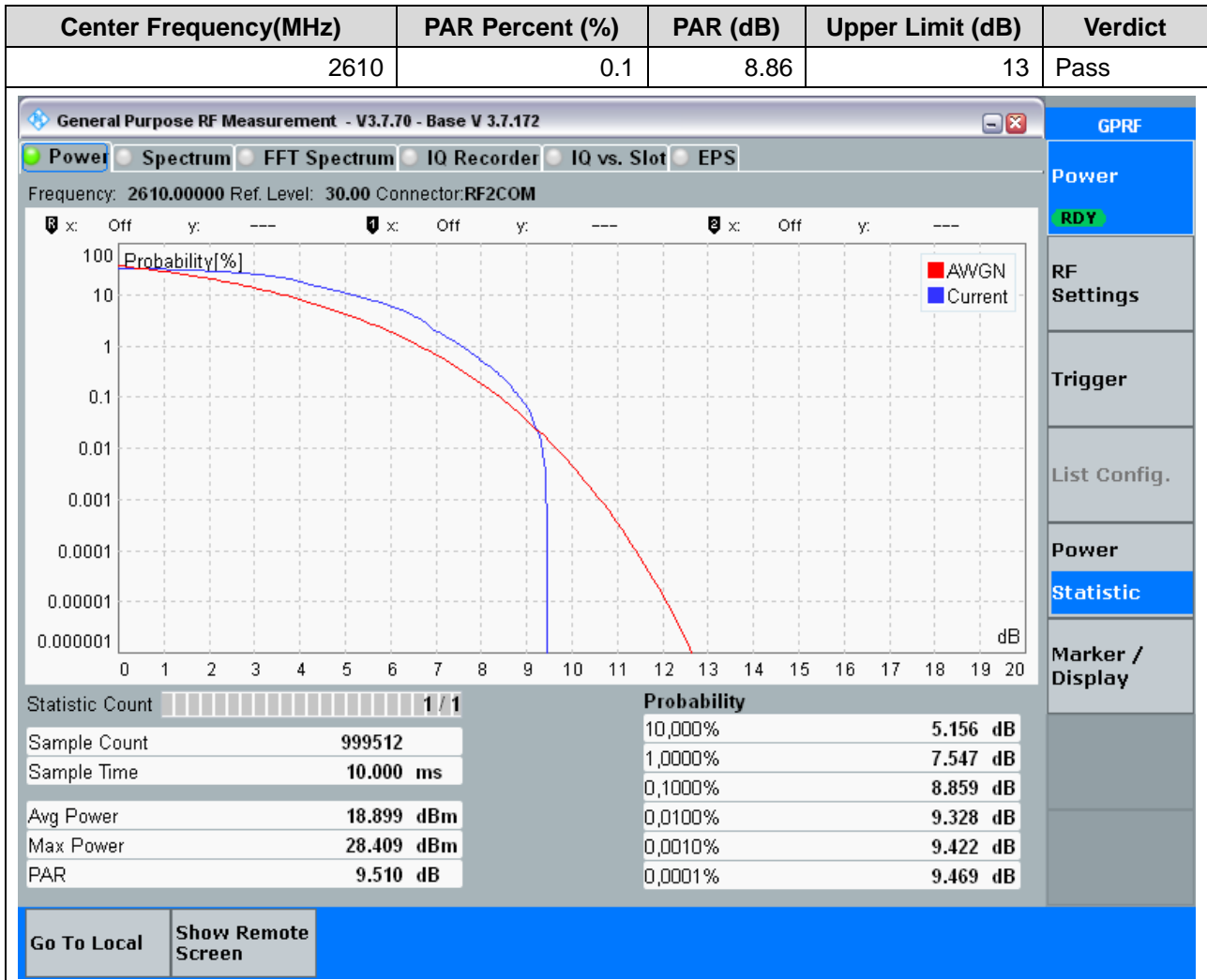
**14.7. LTE Peak to Average Ratio(NTNV)(Subtest:7, Channel:38000, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)**



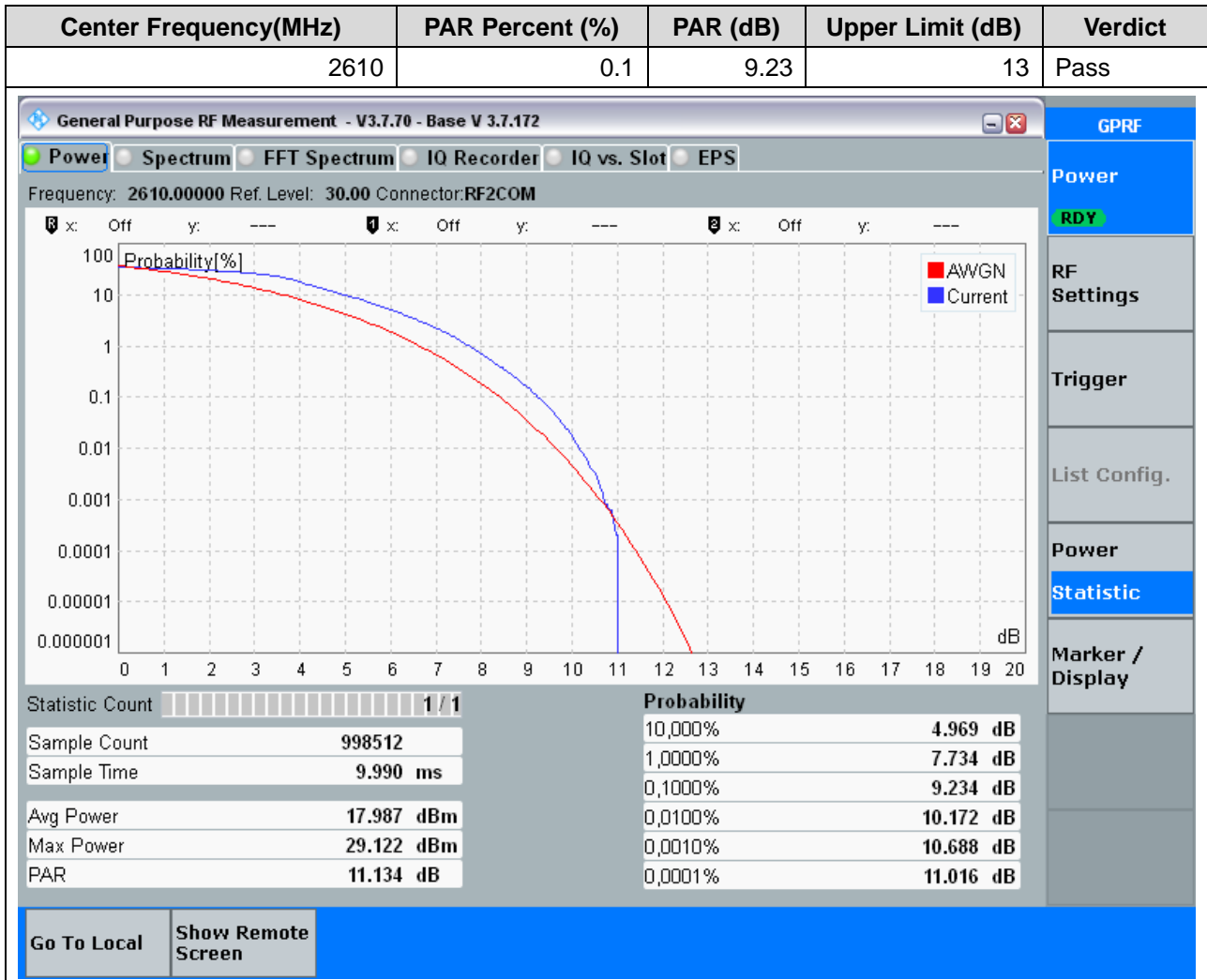
**14.8. LTE Peak to Average Ratio(NTNV)(Subtest:8, Channel:38000, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)**



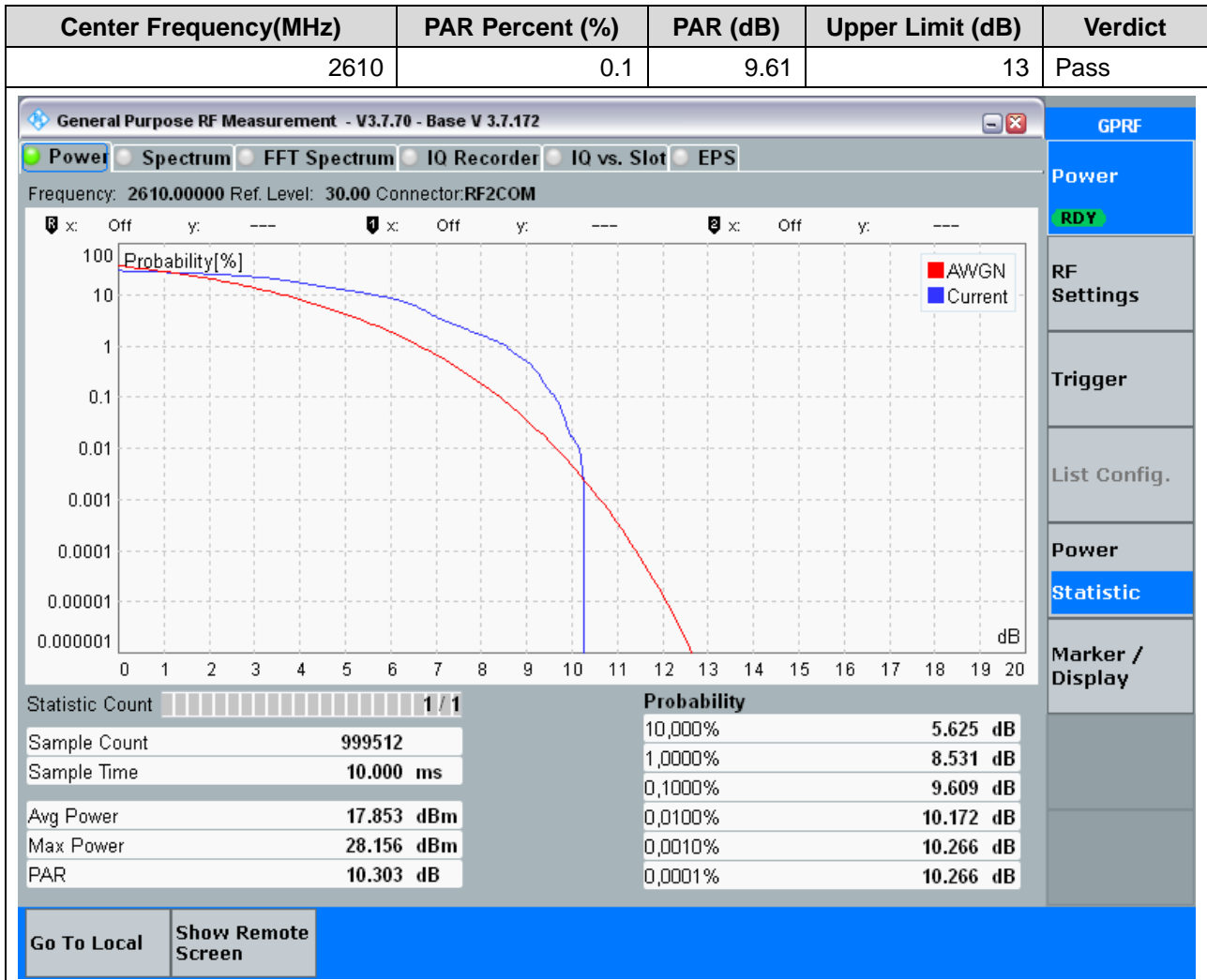
**14.9. LTE Peak to Average Ratio(NTNV)(Subtest:9, Channel:38150, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)**



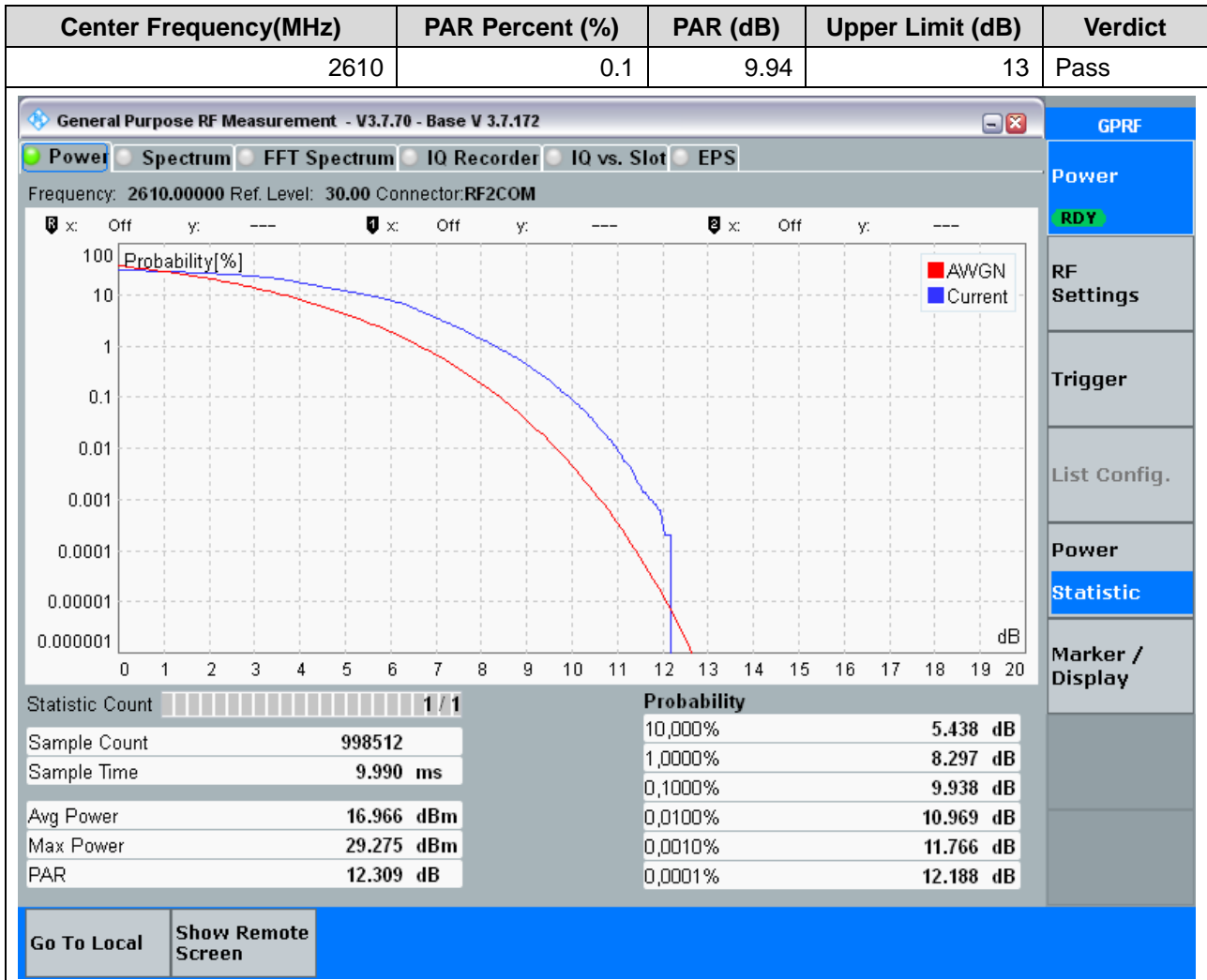
**14.10. LTE Peak to Average Ratio(NTNV)(Subtest:10, Channel:38150, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)**



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

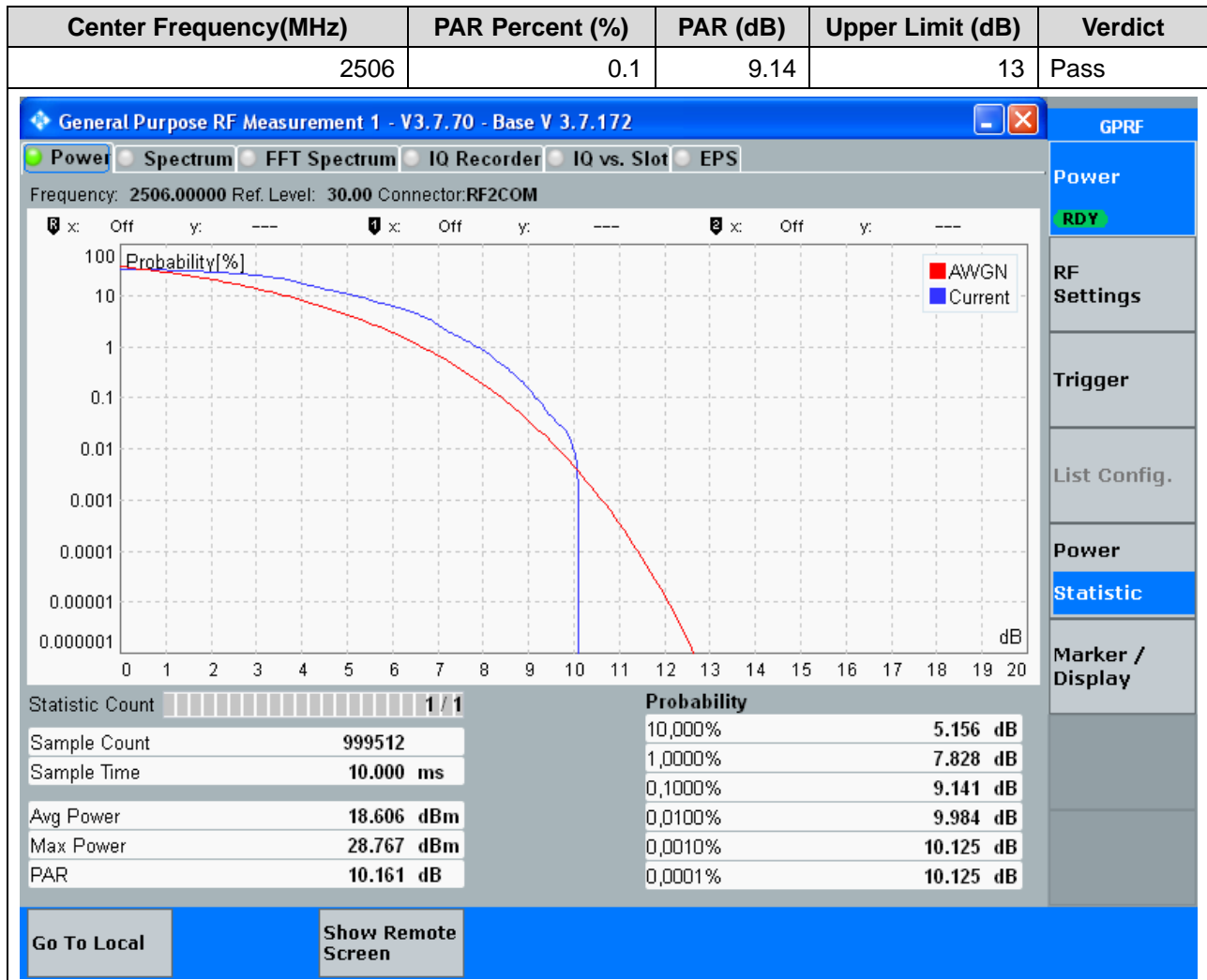


**14.12. LTE Peak to Average Ratio(NTNV)(Subtest:12, Channel:38150, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)**

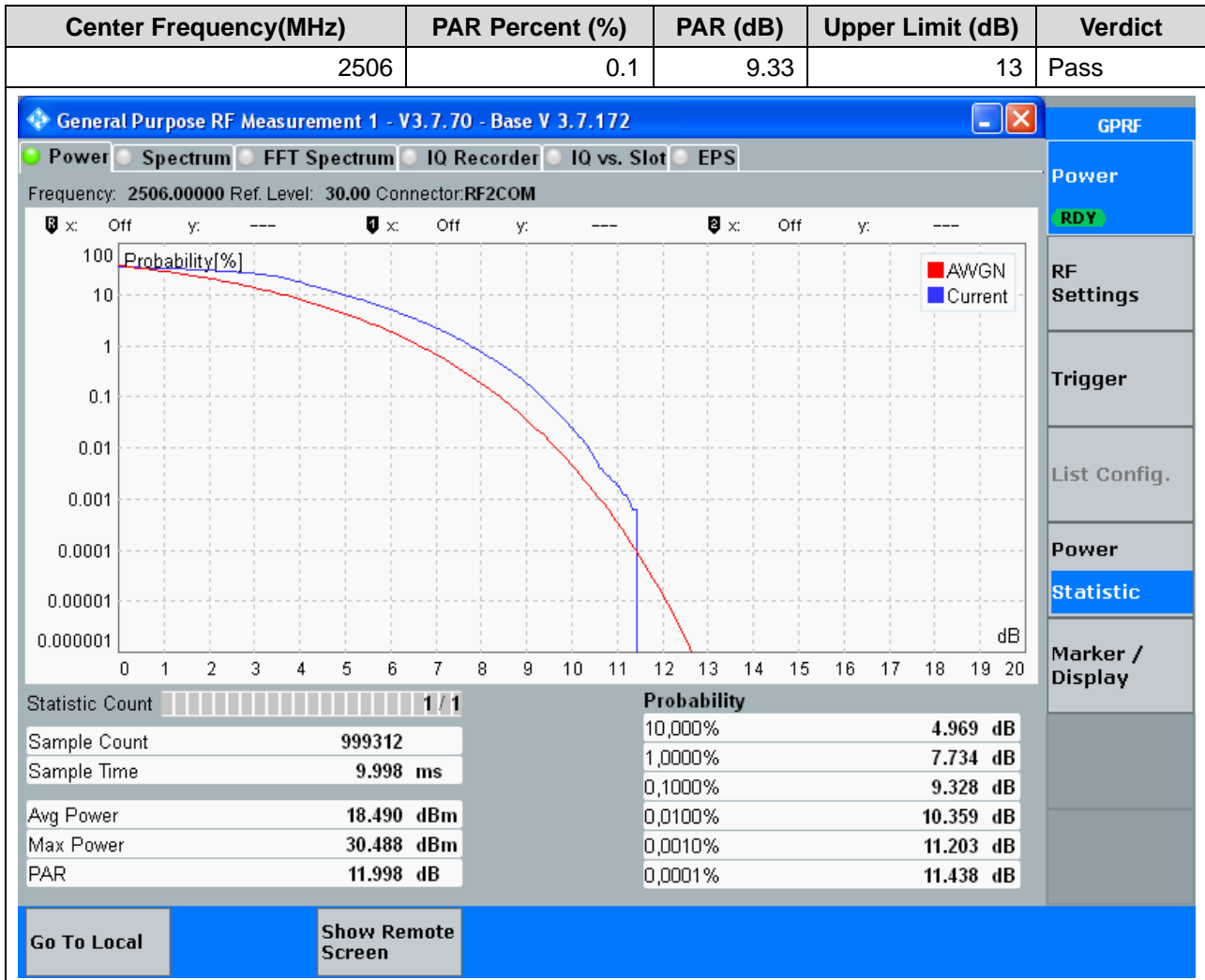


## 15. LTE\_Band41 full

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

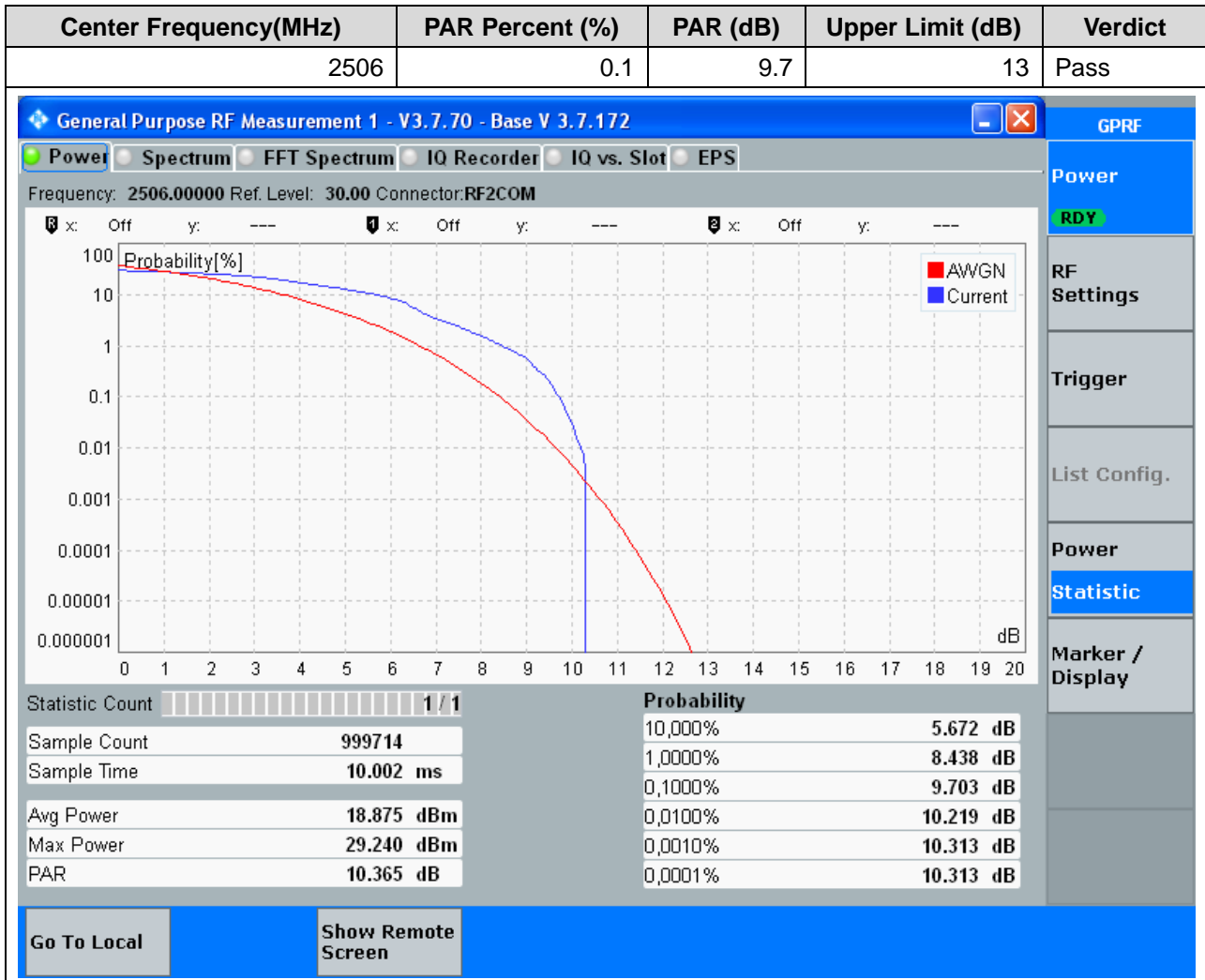


**15.2. LTE Peak to Average Ratio(NTNV)(Subtest:2, Channel:39750, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)**

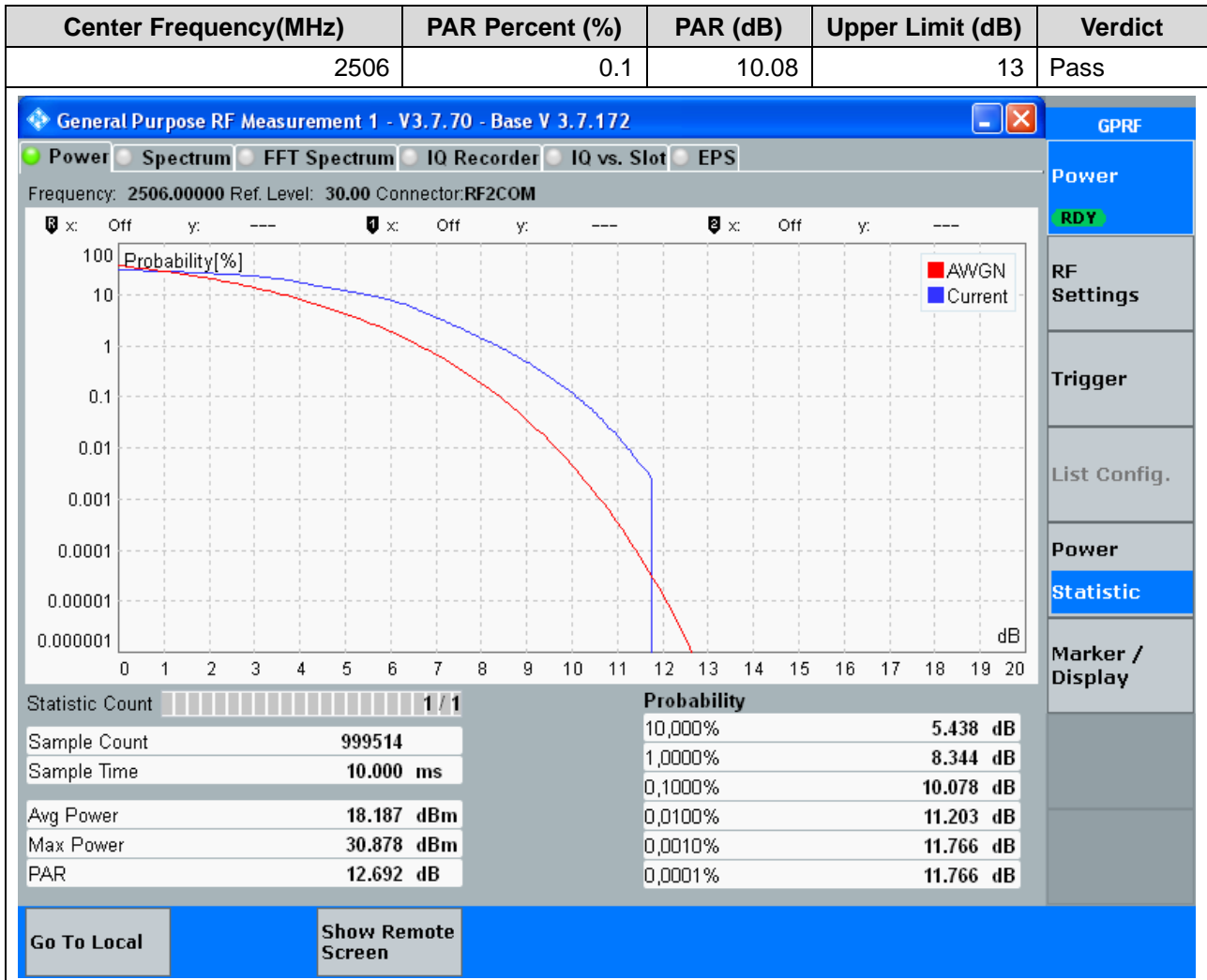




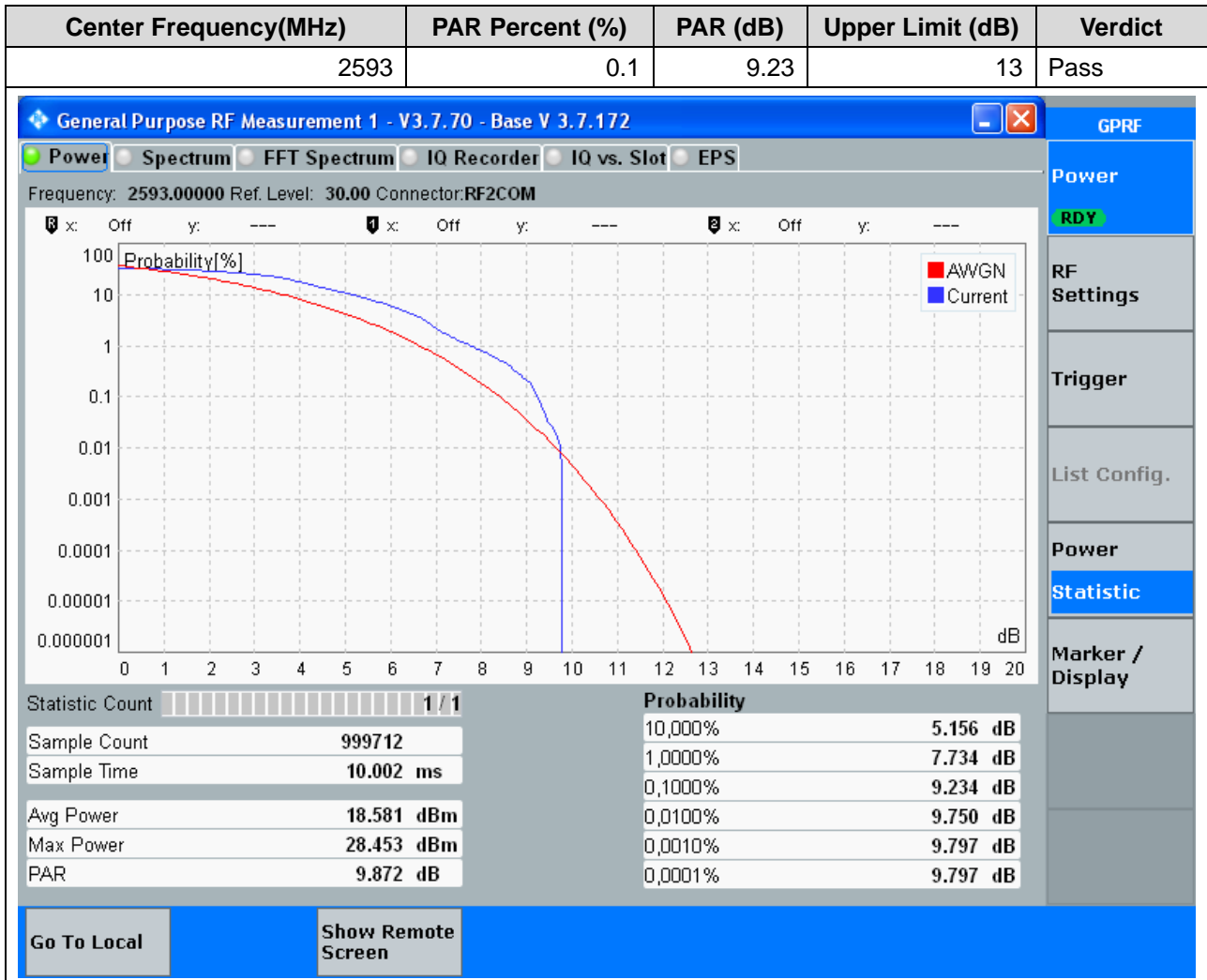
**15.3. LTE Peak to Average Ratio(NTNV)(Subtest:3, Channel:39750, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)**



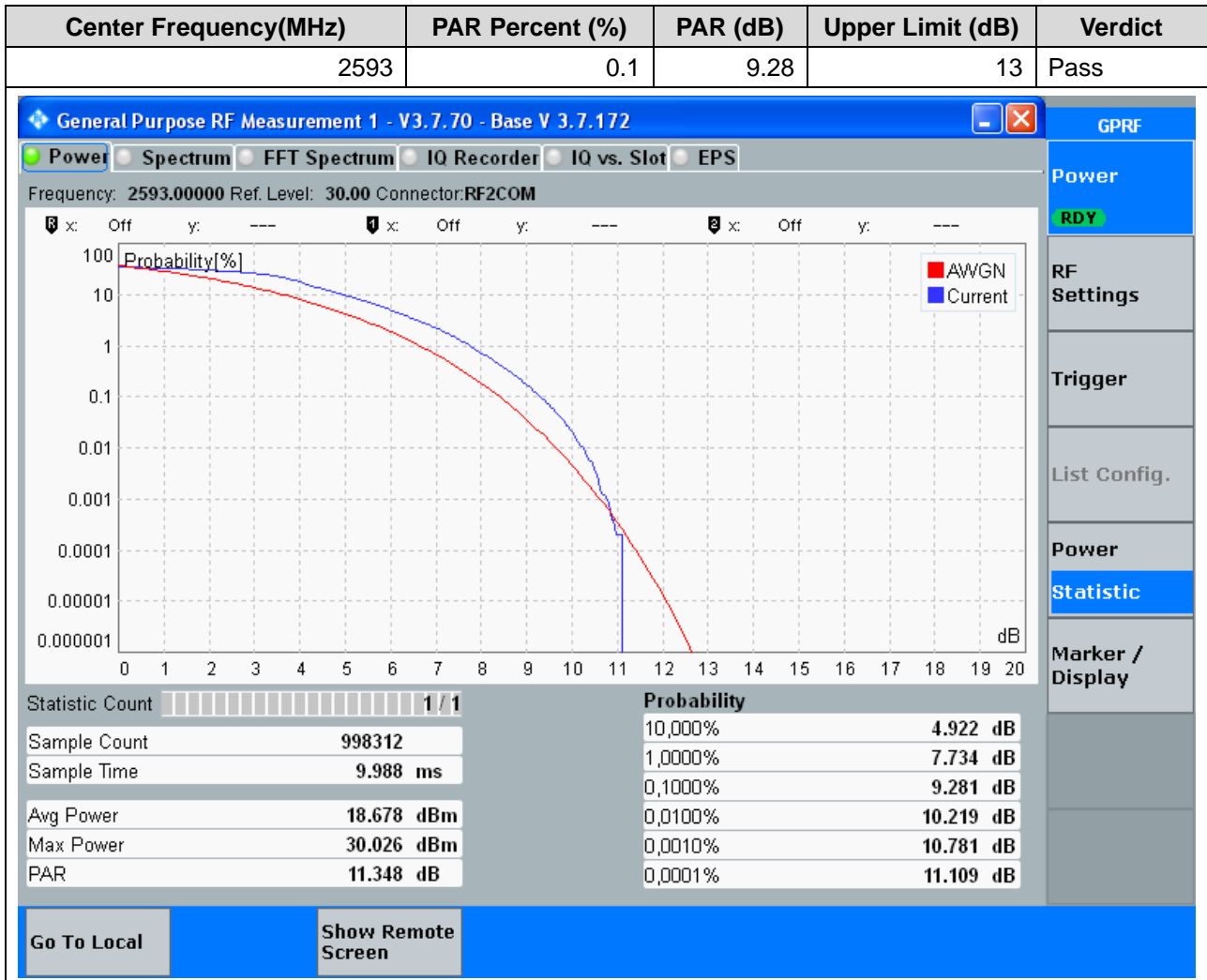
**15.4. LTE Peak to Average Ratio(NTNV)(Subtest:4, Channel:39750, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)**



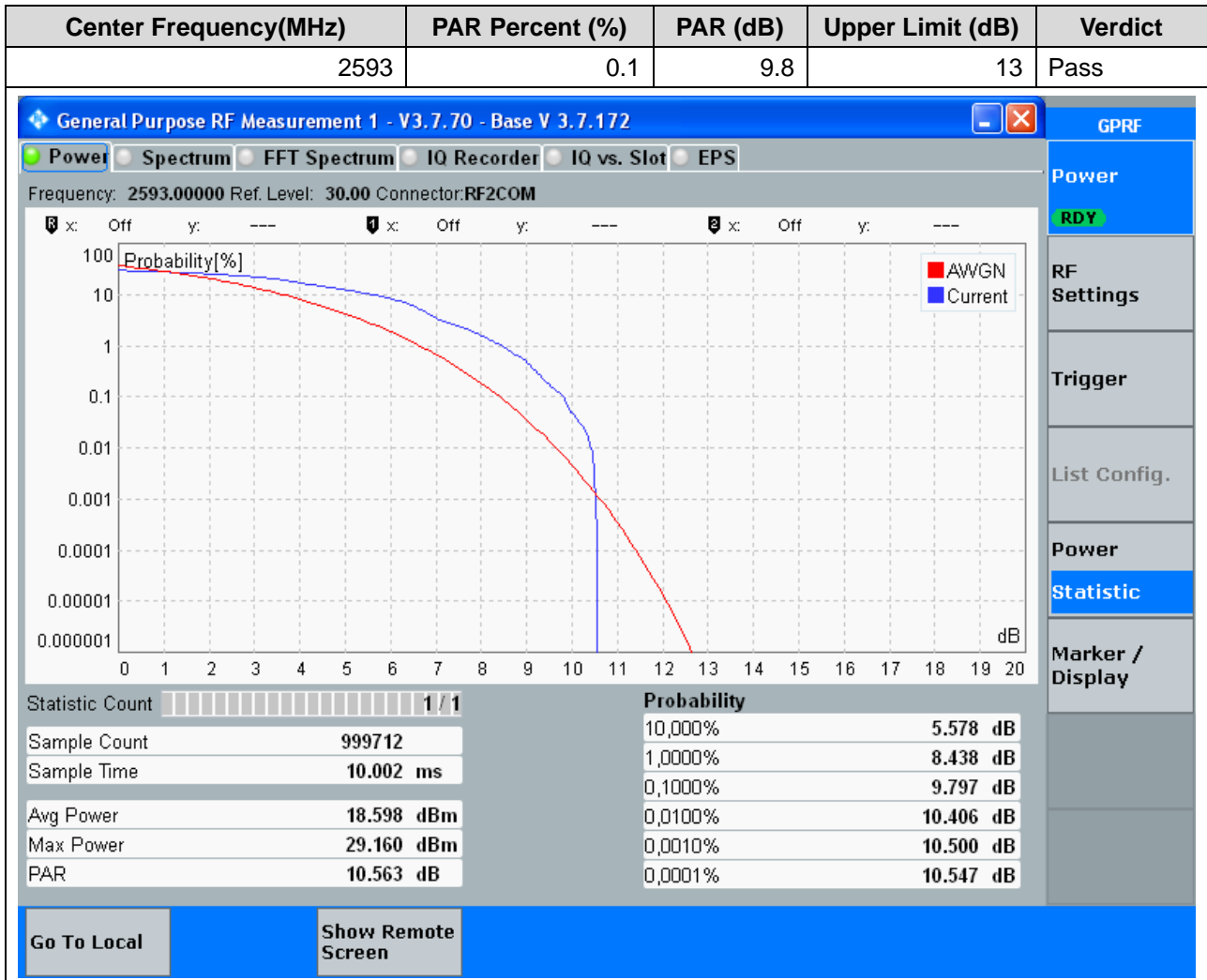
**15.5. LTE Peak to Average Ratio(NTNV)(Subtest:5, Channel:40620, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)**



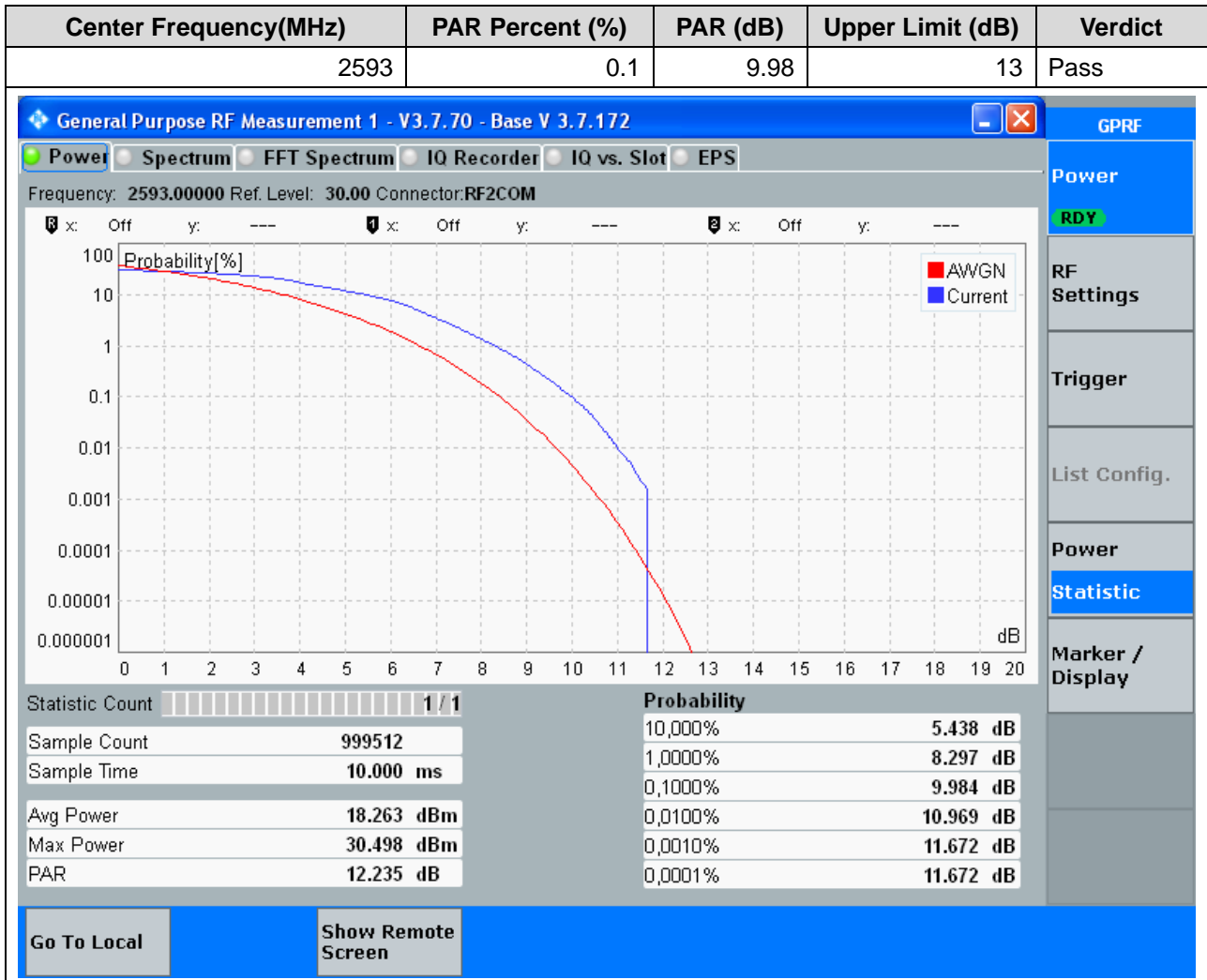
**15.6. LTE Peak to Average Ratio(NTNV)(Subtest:6, Channel:40620, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)**



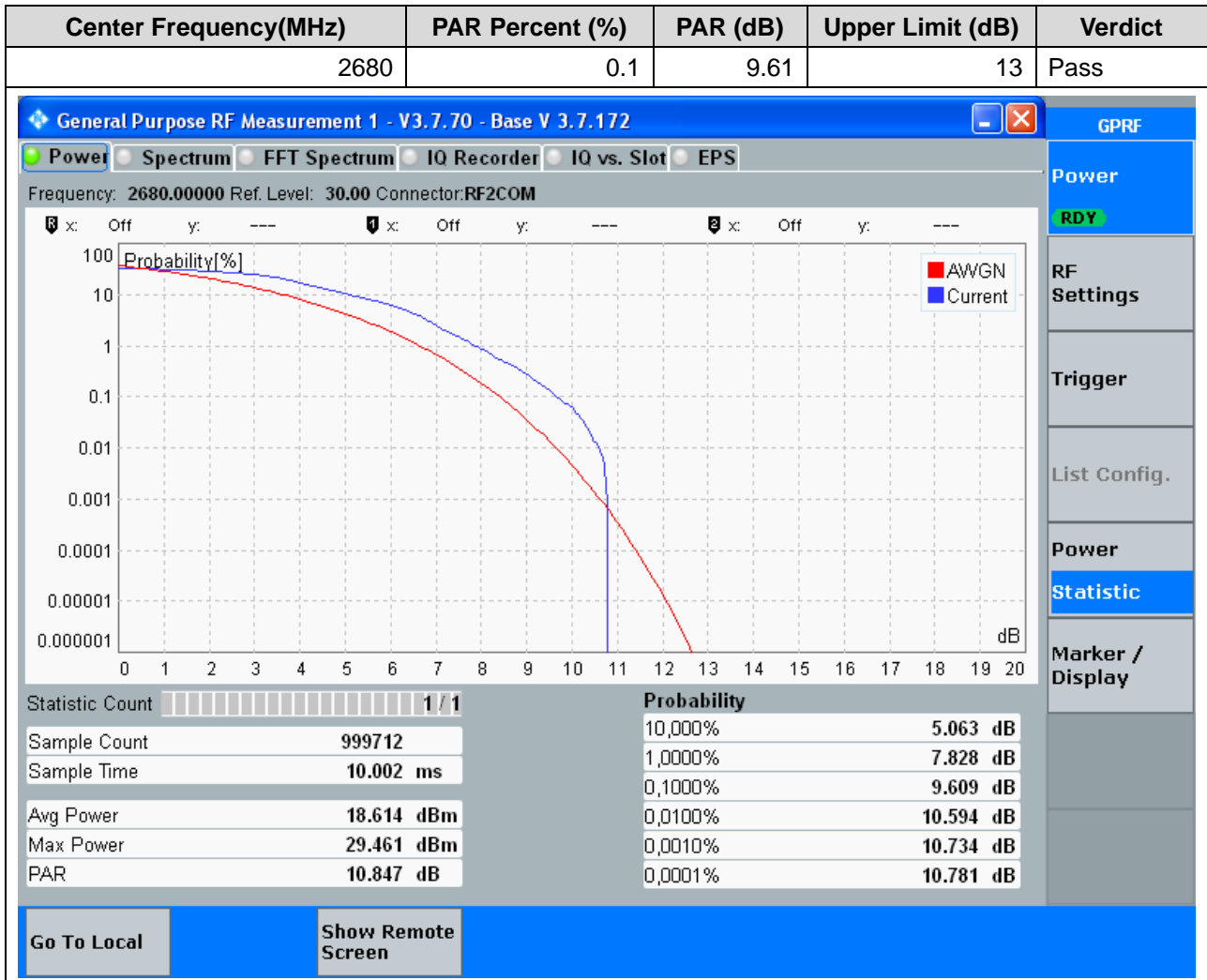
**15.7. LTE Peak to Average Ratio(NTNV)(Subtest:7, Channel:40620, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)**



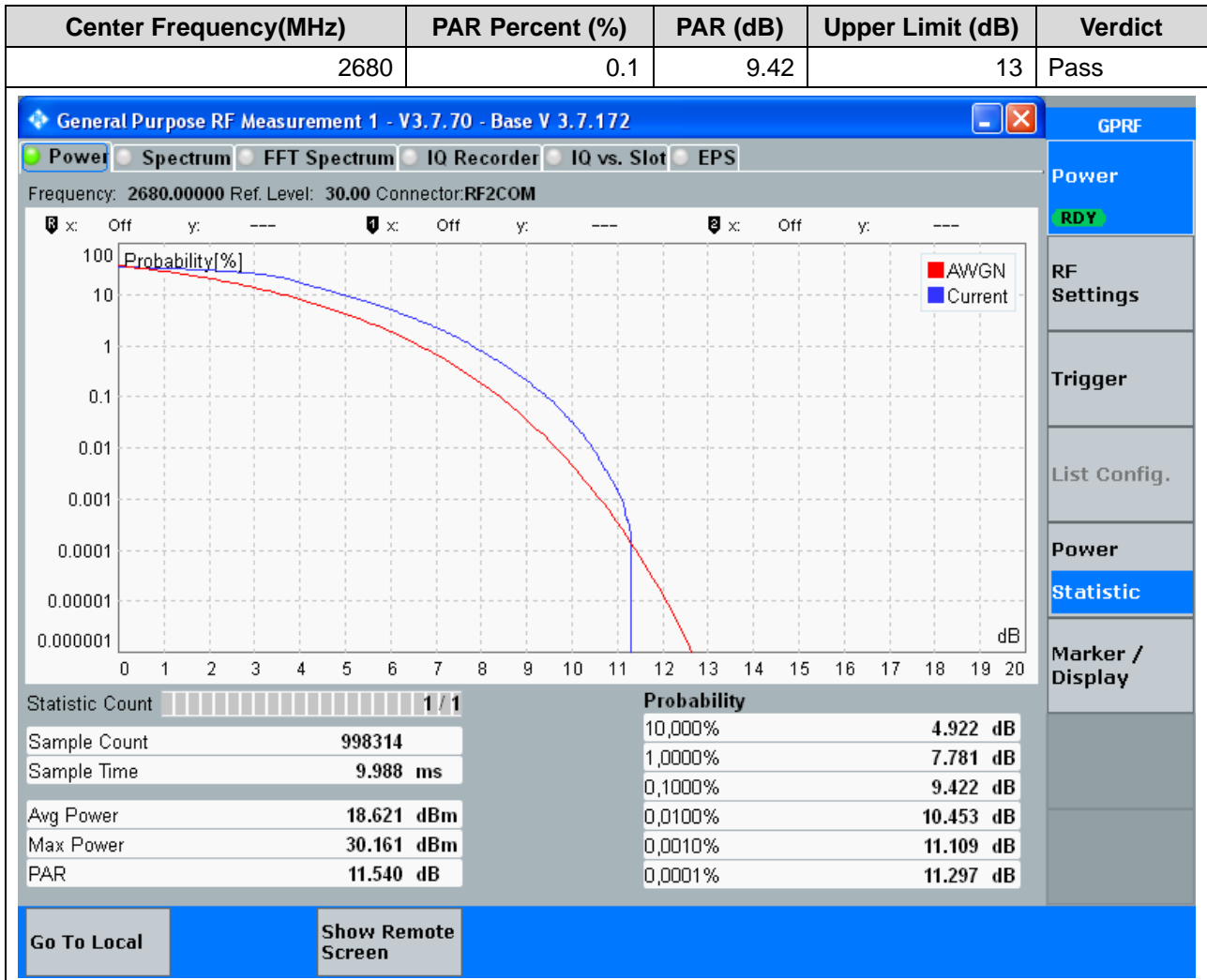
**15.8. LTE Peak to Average Ratio(NTNV)(Subtest:8, Channel:40620, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)**



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

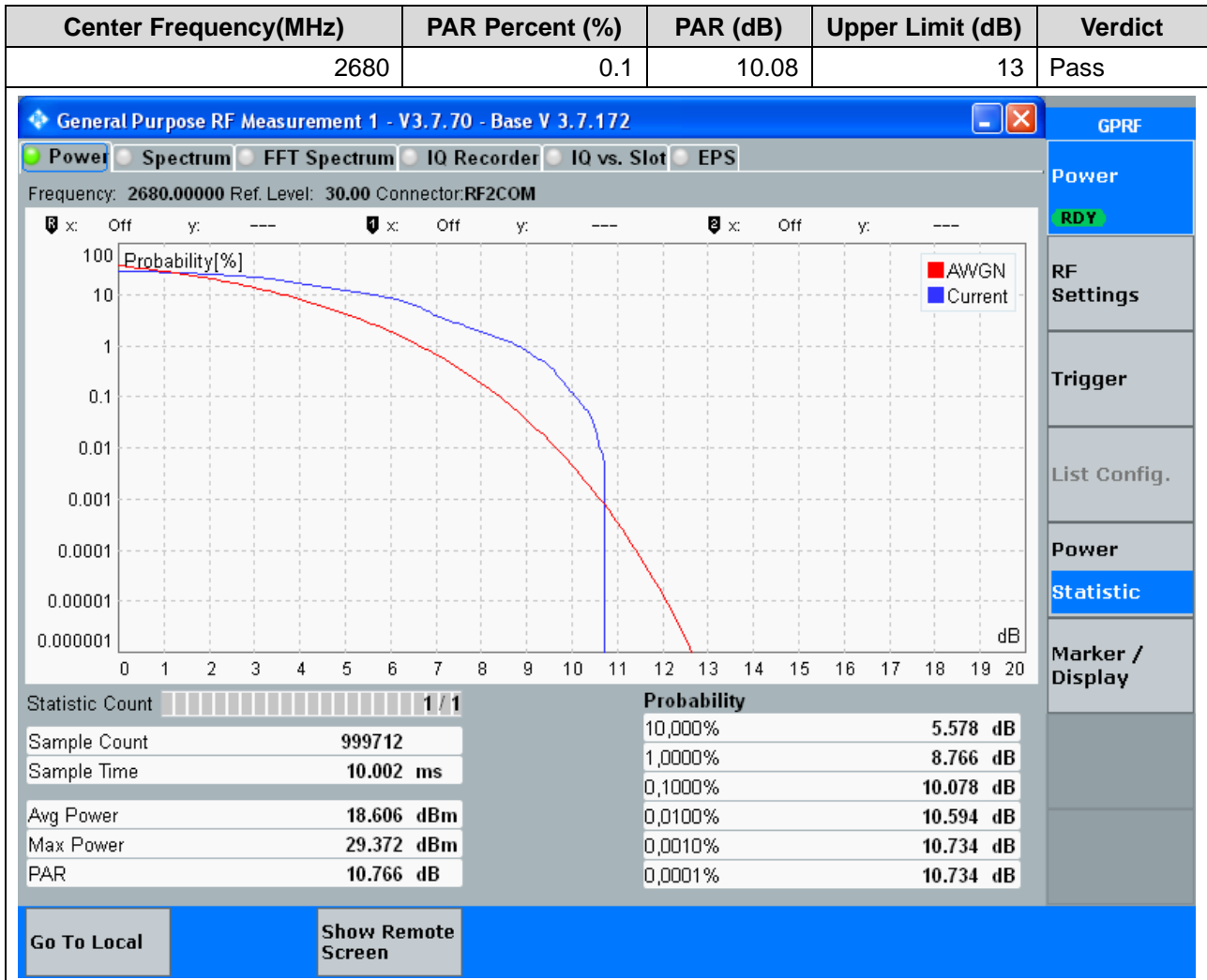


**15.10. LTE Peak to Average Ratio(NTNV)(Subtest:10, Channel:41490, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)**

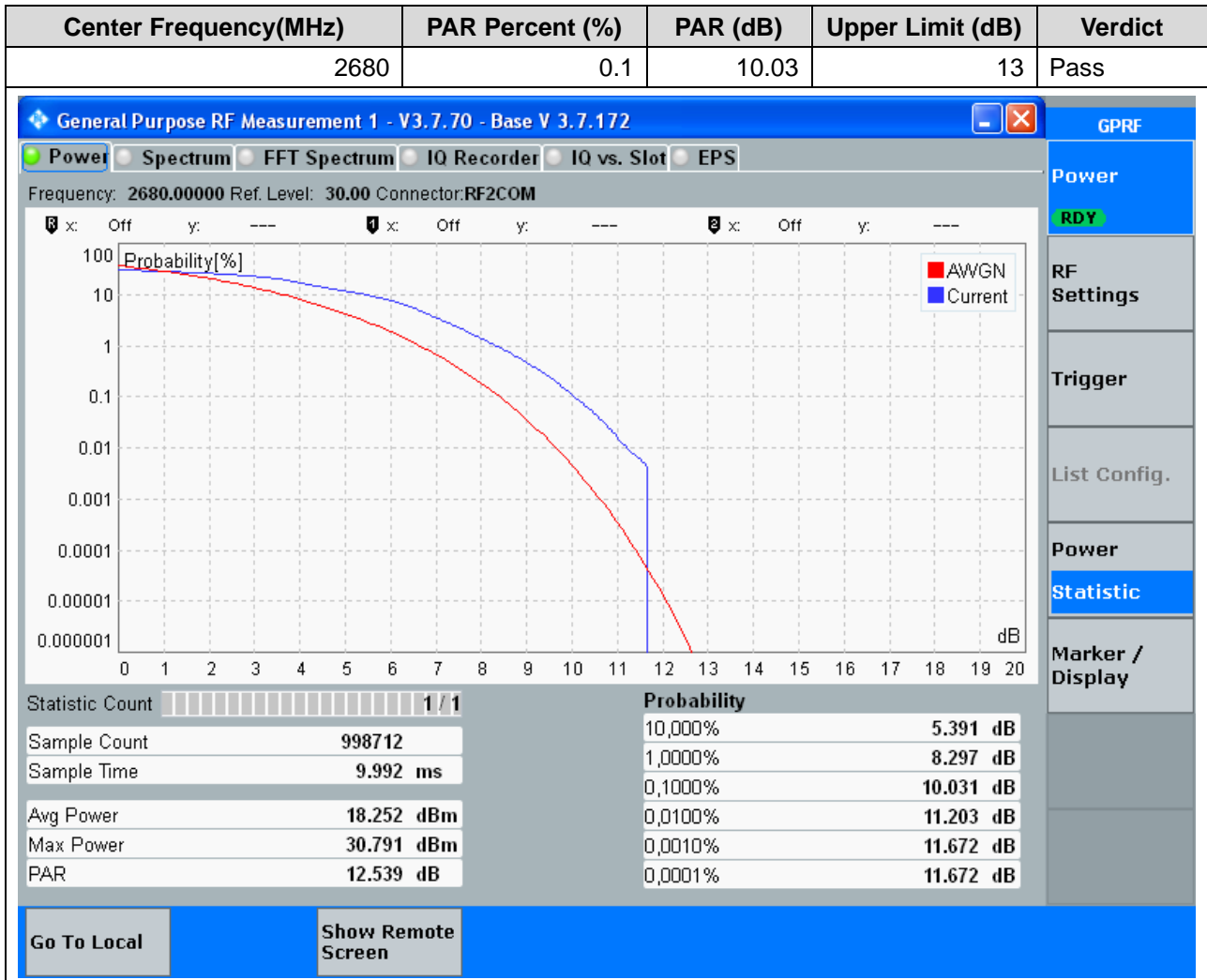




**15.11. LTE Peak to Average Ratio(NTNV)(Subtest:11, Channel:41490, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)**

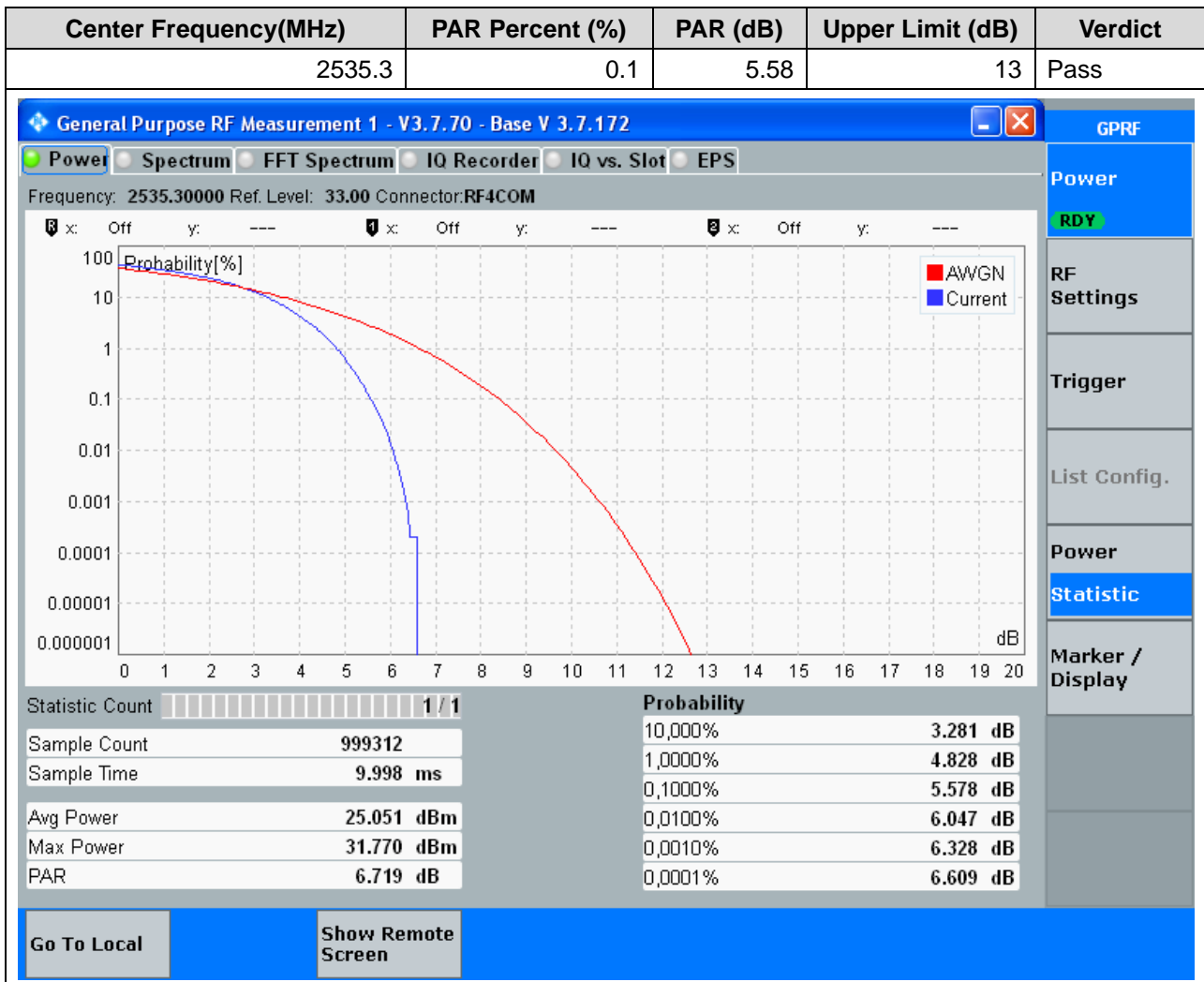


**15.12. LTE Peak to Average Ratio(NTNV)(Subtest:12, Channel:41490, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)**



## 16. CA\_7C

**16.1. LTE-A Peak to Average Ratio(NTNV)(Subtest:1, Channel:21006|21150, Bandwidth:10|20MHz, Modulation:QPSK, RB Number:Full|Full, RB Position:Low|Low)**



**16.2. LTE-A Peak to Average Ratio(NTNV)(Subtest:2, Channel:21006|21150, Bandwidth:10|20MHz, Modulation:16QAM, RB Number:Full|Full, RB Position:Low|Low)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2535.3	0.1	6.14	13	Pass

**General Purpose RF Measurement 1 - V3.7.70 - Base V 3.7.172**

Power Spectrum FFT Spectrum IQ Recorder IQ vs. Slot EPS

Frequency: 2535.30000 Ref. Level: 33.00 Connector:RF4COM

Statistic Count	Value	Probability	Value
Sample Count	998712	10,000%	3.469 dB
Sample Time	9.992 ms	1,0000%	5.344 dB
Avg Power	24.548 dBm	0,1000%	6.141 dB
Max Power	31.800 dBm	0,0010%	6.891 dB
PAR	7.252 dB	0,0001%	7.125 dB

Go To Local Show Remote Screen

**16.3. LTE-A Peak to Average Ratio(NTNV)(Subtest:3, Channel:21051|21195, Bandwidth:20|10MHz, Modulation:QPSK, RB Number:Full|Full, RB Position:Low|Low)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2534.8	0.1	5.67	13	Pass

General Purpose RF Measurement 1 - V3.7.70 - Base V 3.7.172
GPRF

Power
Spectrum
FFT Spectrum
IQ Recorder
IQ vs. Slot
EPS

Frequency: 2534.80000 Ref. Level: 33.00 Connector:RF4COM

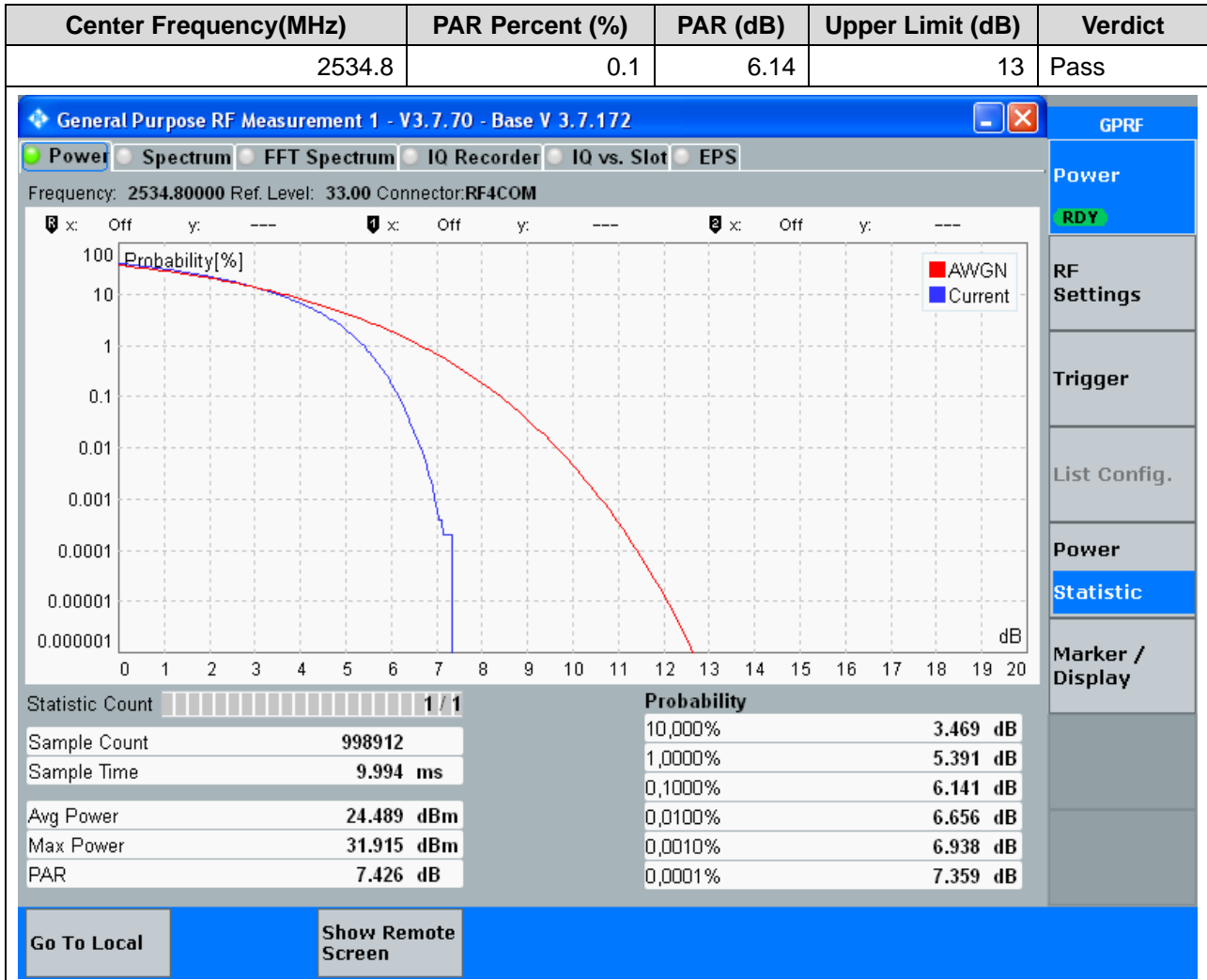
x: Off y: ---
x: Off y: ---
x: Off y: ---

Statistic Count	
Sample Count	999312
Sample Time	9.998 ms
Avg Power	24.980 dBm
Max Power	31.636 dBm
PAR	6.656 dB

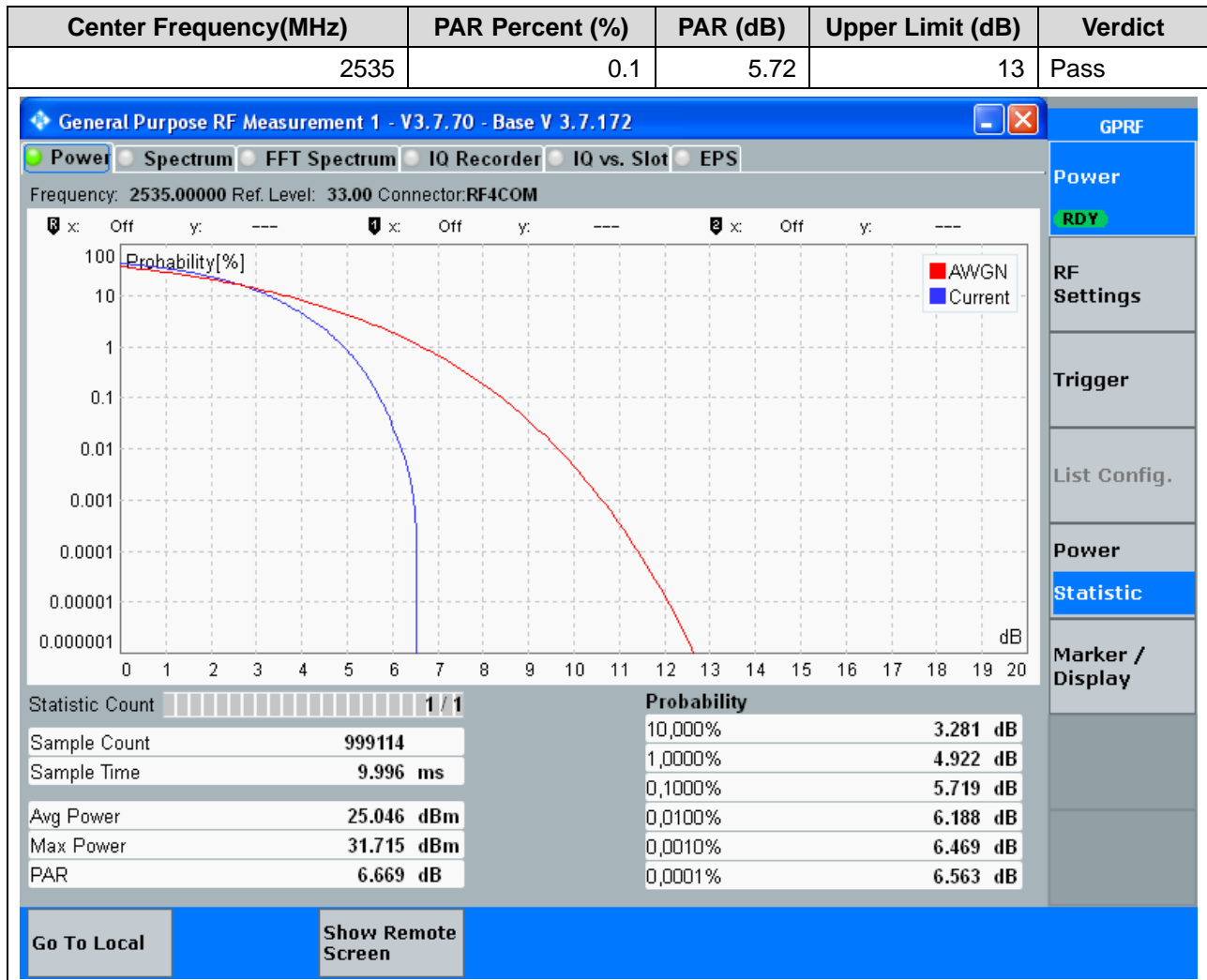
Probability	
10,000%	3.328 dB
1,0000%	4.922 dB
0,1000%	5.672 dB
0,0100%	6.141 dB
0,0010%	6.469 dB
0,0001%	6.609 dB

Go To Local
Show Remote Screen

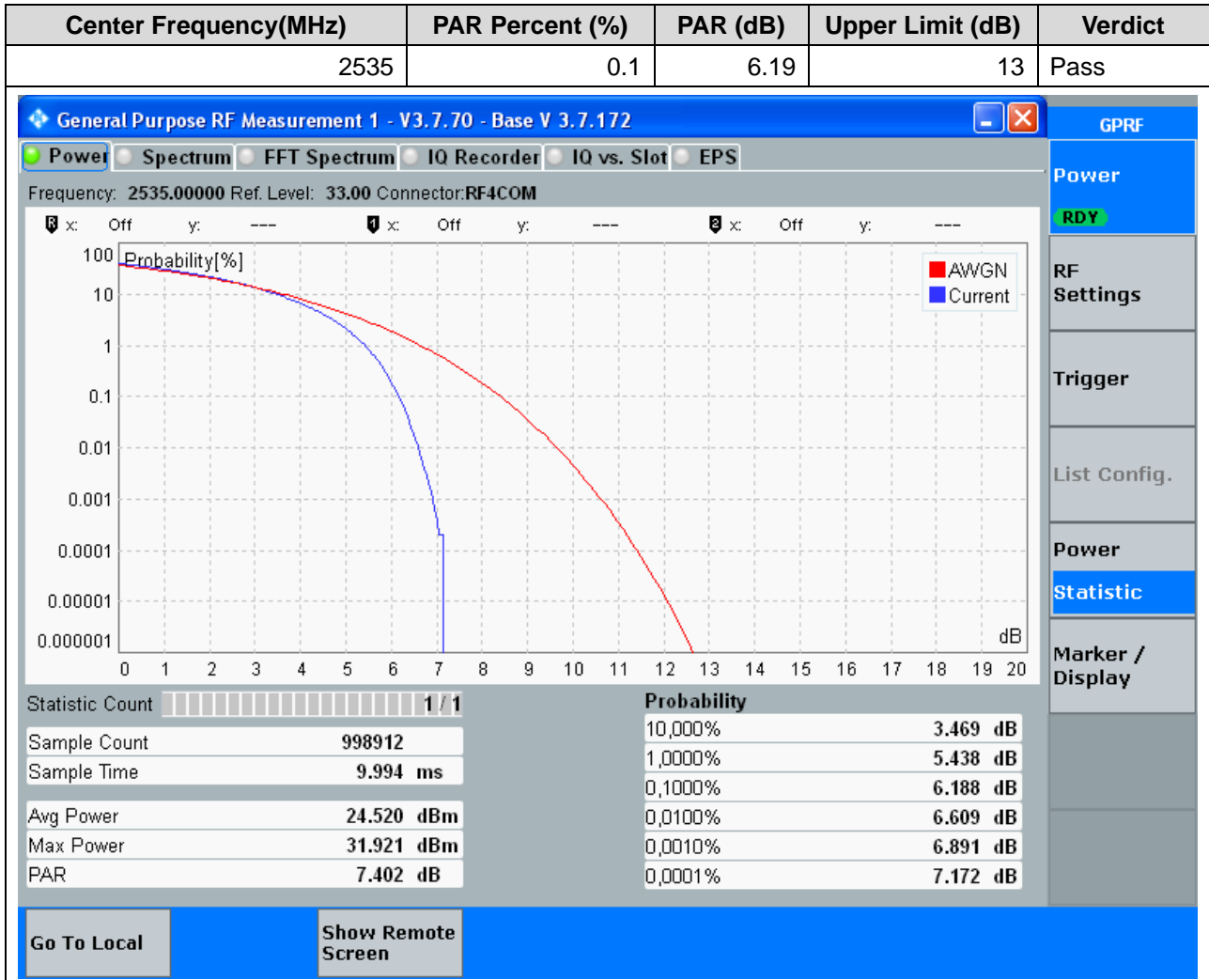
**16.4. LTE-A Peak to Average Ratio(NTNV)(Subtest:4, Channel:21051|21195, Bandwidth:20|10MHz, Modulation:16QAM, RB Number:Full|Full, RB Position:Low|Low)**



**16.5. LTE-A Peak to Average Ratio(NTNV)(Subtest:5, Channel:21025|21175, Bandwidth:15|15MHz, Modulation:QPSK, RB Number:Full|Full, RB Position:Low|Low)**



**16.6. LTE-A Peak to Average Ratio(NTNV)(Subtest:6, Channel:21025|21175, Bandwidth:15|15MHz, Modulation:16QAM, RB Number:Full|Full, RB Position:Low|Low)**





**16.7. LTE-A Peak to Average Ratio(NTNV)(Subtest:7, Channel:21003|21174, Bandwidth:15|20MHz, Modulation:QPSK, RB Number:Full|Full, RB Position:Low|Low)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2535.1	0.1	5.48	13	Pass

**General Purpose RF Measurement 1 - V3.7.70 - Base V 3.7.172**

Power Spectrum FFT Spectrum IQ Recorder IQ vs. Slot EPS

Frequency: 2535.10000 Ref. Level: 33.00 Connector:RF4COM

Statistic Count	Value	Probability	Value
Sample Count	999113	10,000%	3.281 dB
Sample Time	19.992 ms	1,0000%	4.828 dB
Avg Power	25.000 dBm	0,1000%	5.484 dB
Max Power	31.329 dBm	0,0010%	6.141 dB
PAR	6.329 dB	0,0001%	6.281 dB

Go To Local Show Remote Screen

**16.8. LTE-A Peak to Average Ratio(NTNV)(Subtest:8, Channel:21003|21174, Bandwidth:15|20MHz, 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	13	Pass

General Purpose RF Measurement 1 - V3.7.70 - Base V 3.7.172
GPRF

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

Frequency: 2535.10000 Ref. Level: 33.00 Connector:RF4COM

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

Statistic Count	
Sample Count	1023880
Sample Time	20.488 ms
Avg Power	24.543 dBm
Max Power	31.399 dBm
PAR	6.856 dB

Probability	
10,000%	3.469 dB
1,0000%	5.297 dB
0,1000%	6.000 dB
0,0100%	6.375 dB
0,0010%	6.656 dB
0,0001%	6.797 dB

Go To Local
Show Remote Screen

**16.9. LTE-A Peak to Average Ratio(NTNV)(Subtest:9, Channel:21026|21197, Bandwidth:20|15MHz, 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	5.48	13	Pass

General Purpose RF Measurement 1 - V3.7.70 - Base V 3.7.172
GPRF

Power
Spectrum
FFT Spectrum
IQ Recorder
IQ vs. Slot
EPS

Frequency: 2534.90000 Ref. Level: 33.00 Connector:RF4COM

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

Statistic Count	
Sample Count	999112
Sample Time	19.992 ms
Avg Power	25.011 dBm
Max Power	31.272 dBm
PAR	6.261 dB

Probability	
10,000%	3.281 dB
1,0000%	4.828 dB
0,1000%	5.484 dB
0,0100%	5.859 dB
0,0010%	6.094 dB
0,0001%	6.188 dB

Go To Local
Show Remote Screen

**16.10. LTE-A Peak to Average Ratio(NTNV)(Subtest:10, Channel:21026|21197, Bandwidth:20|15MHz, 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	13	Pass

**General Purpose RF Measurement 1 - V3.7.70 - Base V 3.7.172**

Power Spectrum FFT Spectrum IQ Recorder IQ vs. Slot EPS

Frequency: 2534.90000 Ref. Level: 33.00 Connector:RF4COM

Statistic Count	Sample Count	Sample Time	Avg Power	Max Power	PAR
1 / 1	1023880	20.488 ms	24.483 dBm	31.343 dBm	6.861 dB

Probability	Value
10,000%	3.469 dB
1,0000%	5.297 dB
0,1000%	6.000 dB
0,0100%	6.422 dB
0,0010%	6.656 dB
0,0001%	6.797 dB

Go To Local Show Remote Screen

**16.11. LTE-A Peak to Average Ratio(NTNV)(Subtest:11, Channel:21001|21199, Bandwidth:20|20MHz, Modulation:QPSK, RB Number:Full|Full, RB Position:Low|Low)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2535	0.1	5.72	13	Pass

**General Purpose RF Measurement 1 - V3.7.70 - Base V 3.7.172**

Power Spectrum FFT Spectrum IQ Recorder IQ vs. Slot EPS

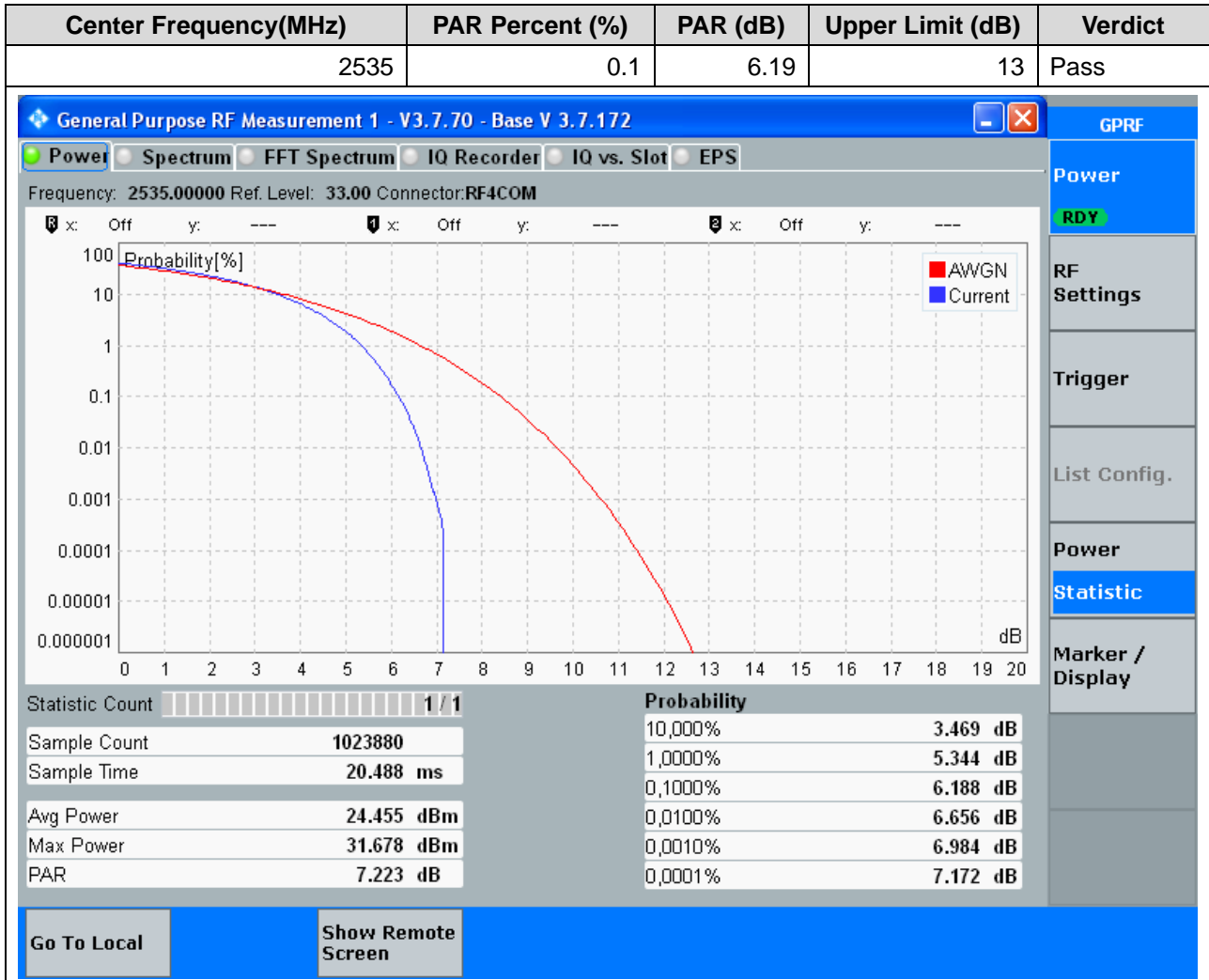
Frequency: 2535.00000 Ref. Level: 33.00 Connector:RF4COM

Statistic Count	Sample Count	Sample Time	Avg Power	Max Power	PAR
1 / 1	999312	19.996 ms	24.932 dBm	31.698 dBm	6.766 dB

Probability	Value
10,000%	3.234 dB
1,0000%	4.875 dB
0,1000%	5.719 dB
0,0100%	6.188 dB
0,0010%	6.469 dB
0,0001%	6.703 dB

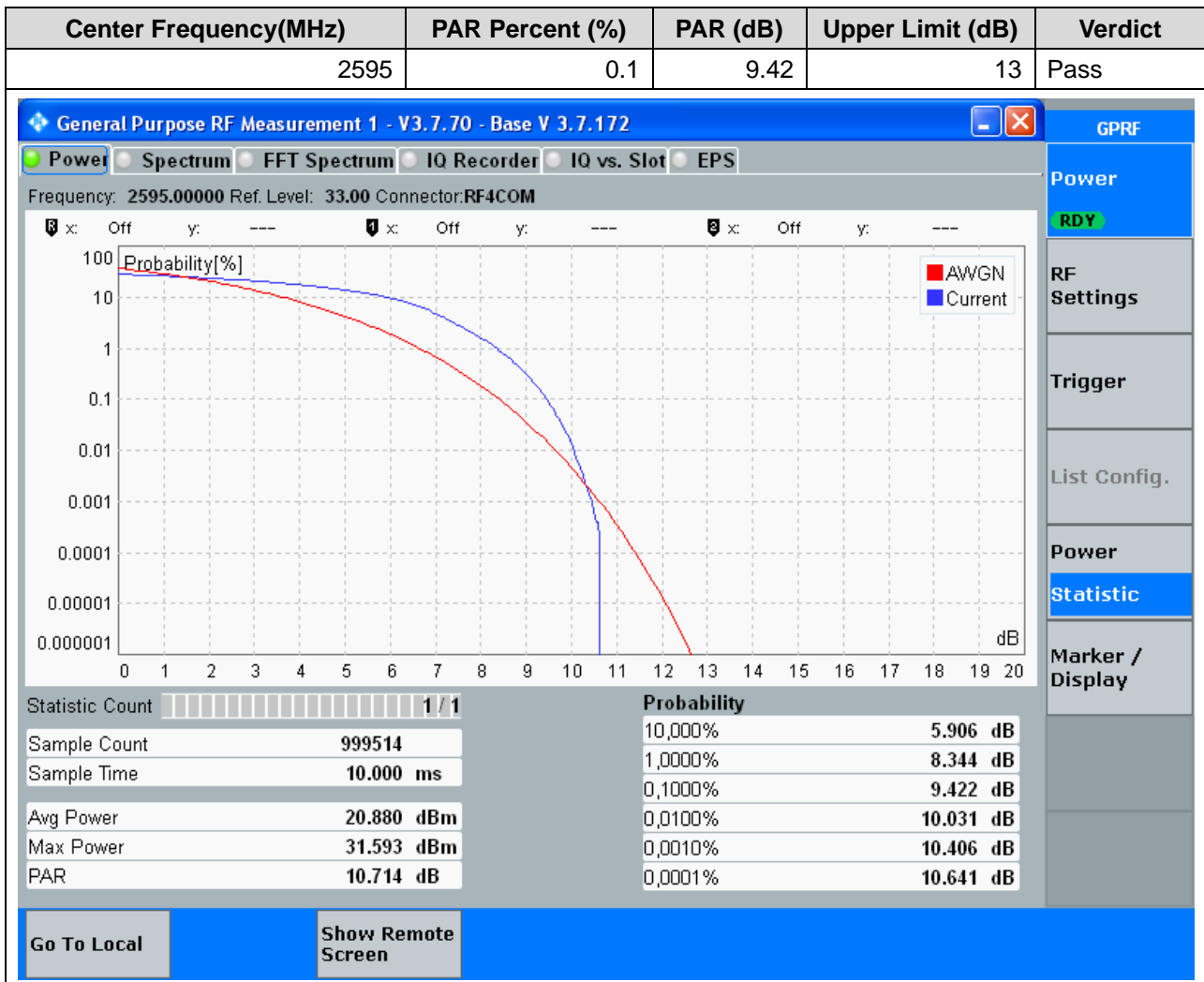
Go To Local Show Remote Screen

**16.12. LTE-A Peak to Average Ratio(NTNV)(Subtest:12, Channel:21001|21199, Bandwidth:20|20MHz, Modulation:16QAM, RB Number:Full|Full, RB Position:Low|Low)**

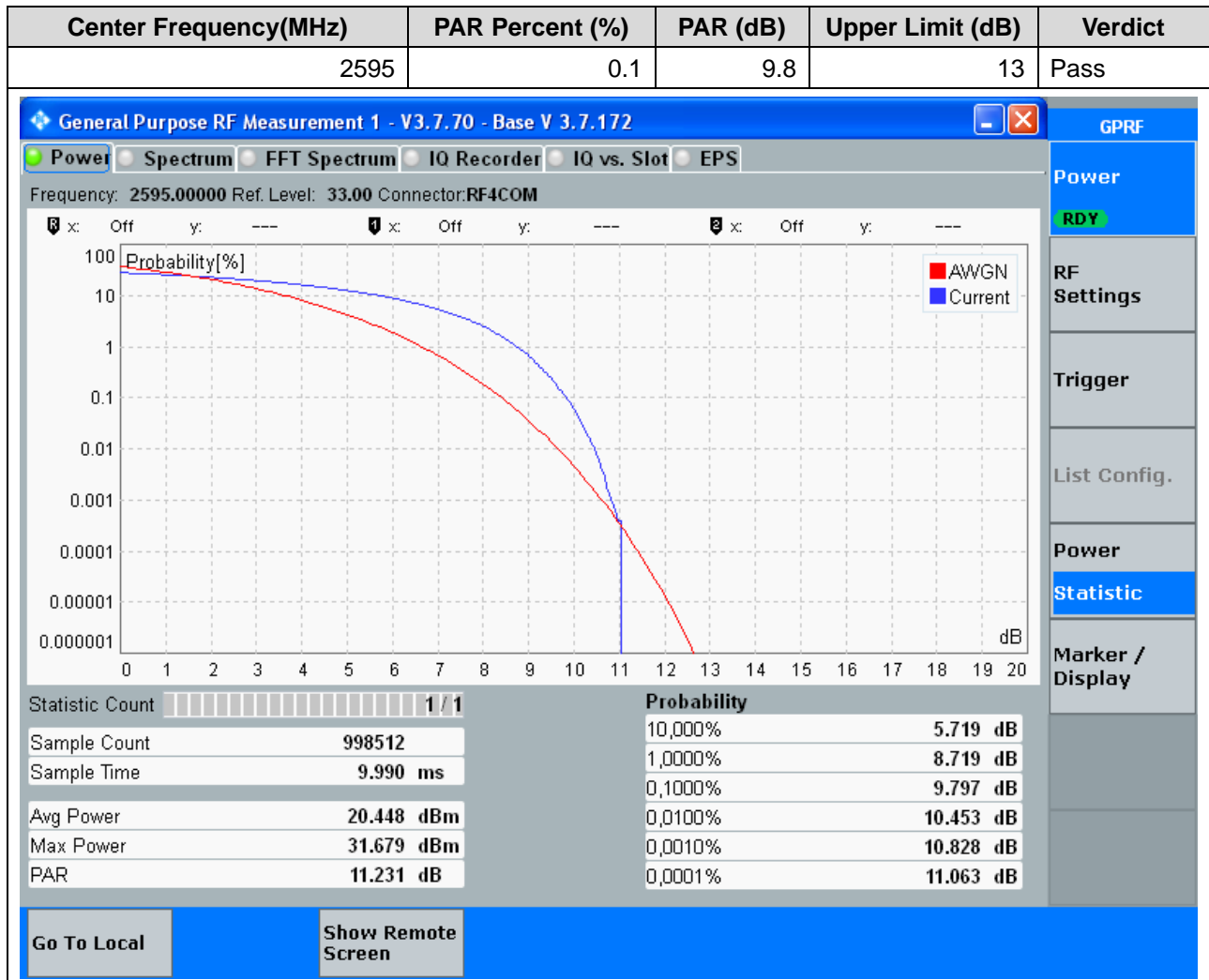


## 17. CA\_38C

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

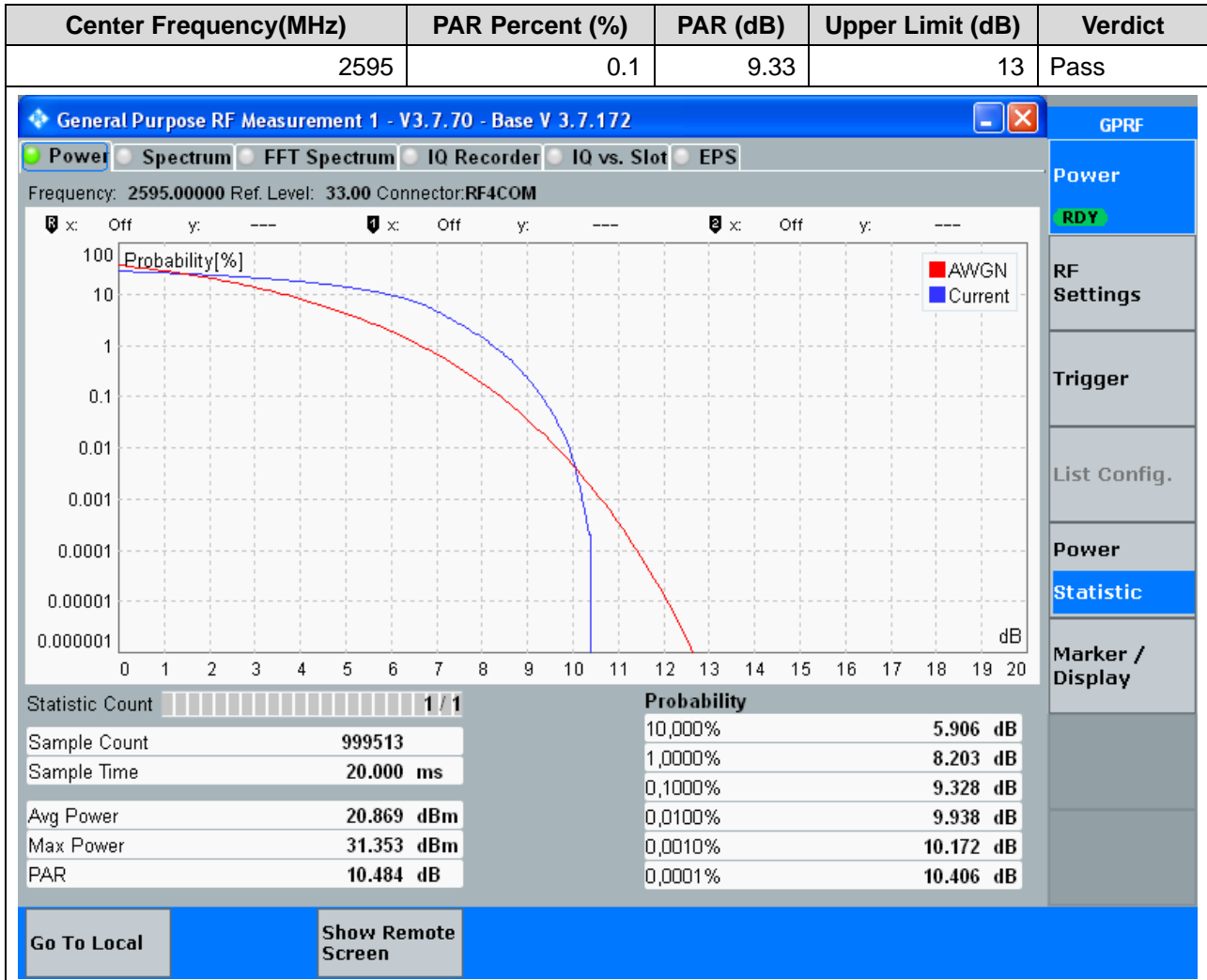


**17.2. LTE-A Peak to Average Ratio(NTNV)(Subtest:2, Channel:37925|38075, Bandwidth:15|15MHz, Modulation:16QAM, RB Number:Full|Full, RB Position:Low|Low)**

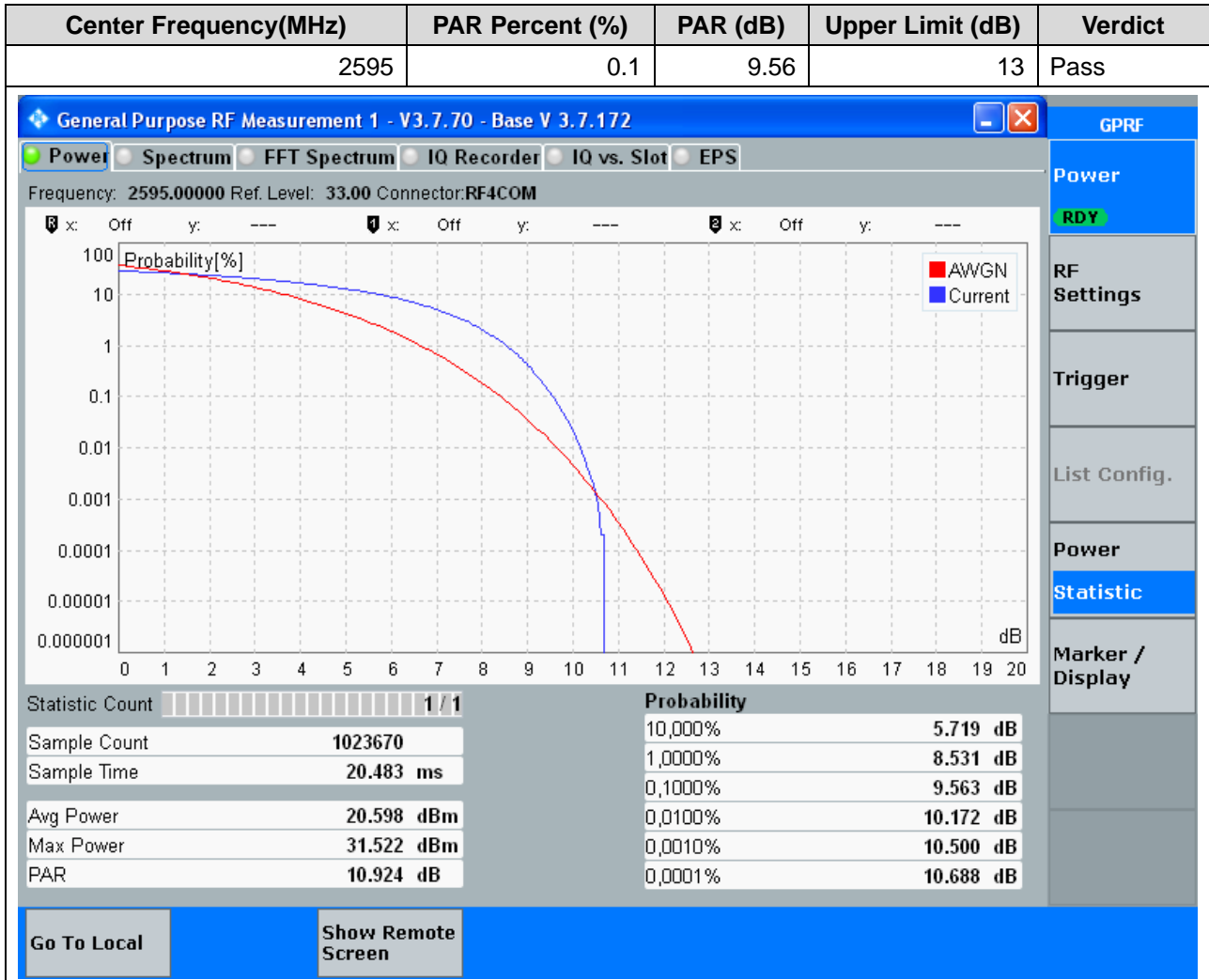




**17.3. LTE-A Peak to Average Ratio(NTNV)(Subtest:3, Channel:37901|38099, Bandwidth:20|20MHz, Modulation:QPSK, RB Number:Full|Full, RB Position:Low|Low)**

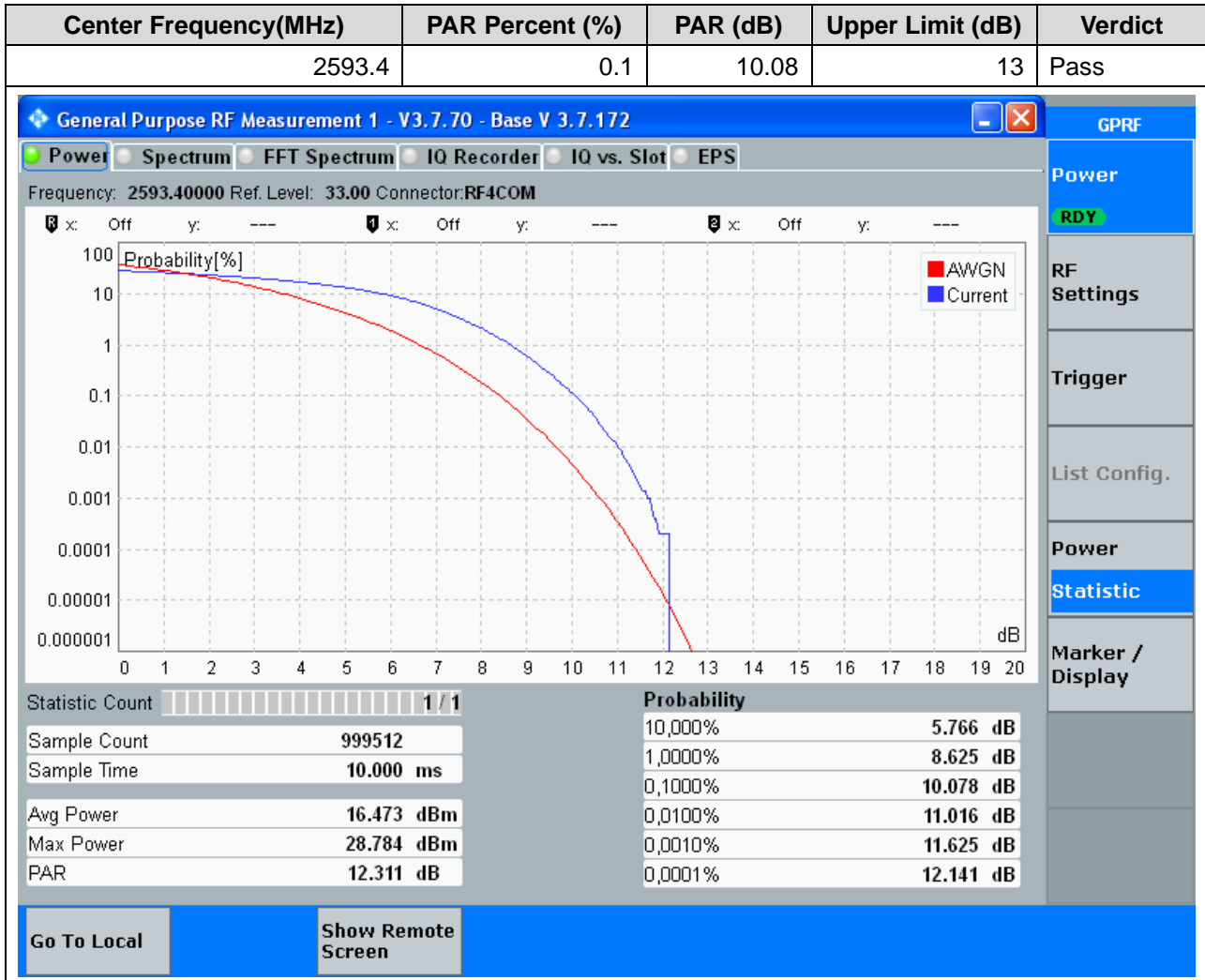


**17.4. LTE-A Peak to Average Ratio(NTNV)(Subtest:4, Channel:37901|38099, Bandwidth:20|20MHz, Modulation:16QAM, RB Number:Full|Full, RB Position:Low|Low)**



## 18. CA\_41C\_full

**18.1. LTE-A Peak to Average Ratio(NTNV)(Subtest:1, Channel:40528|40645, Bandwidth:5|20MHz, Modulation:QPSK, RB Number:Full|Full, RB Position:Low|Low)**



**18.2. LTE-A Peak to Average Ratio(NTNV)(Subtest:2, Channel:40528|40645, Bandwidth:5|20MHz, 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 - V3.7.70 - Base V 3.7.172**

Power Spectrum FFT Spectrum IQ Recorder IQ vs. Slot EPS

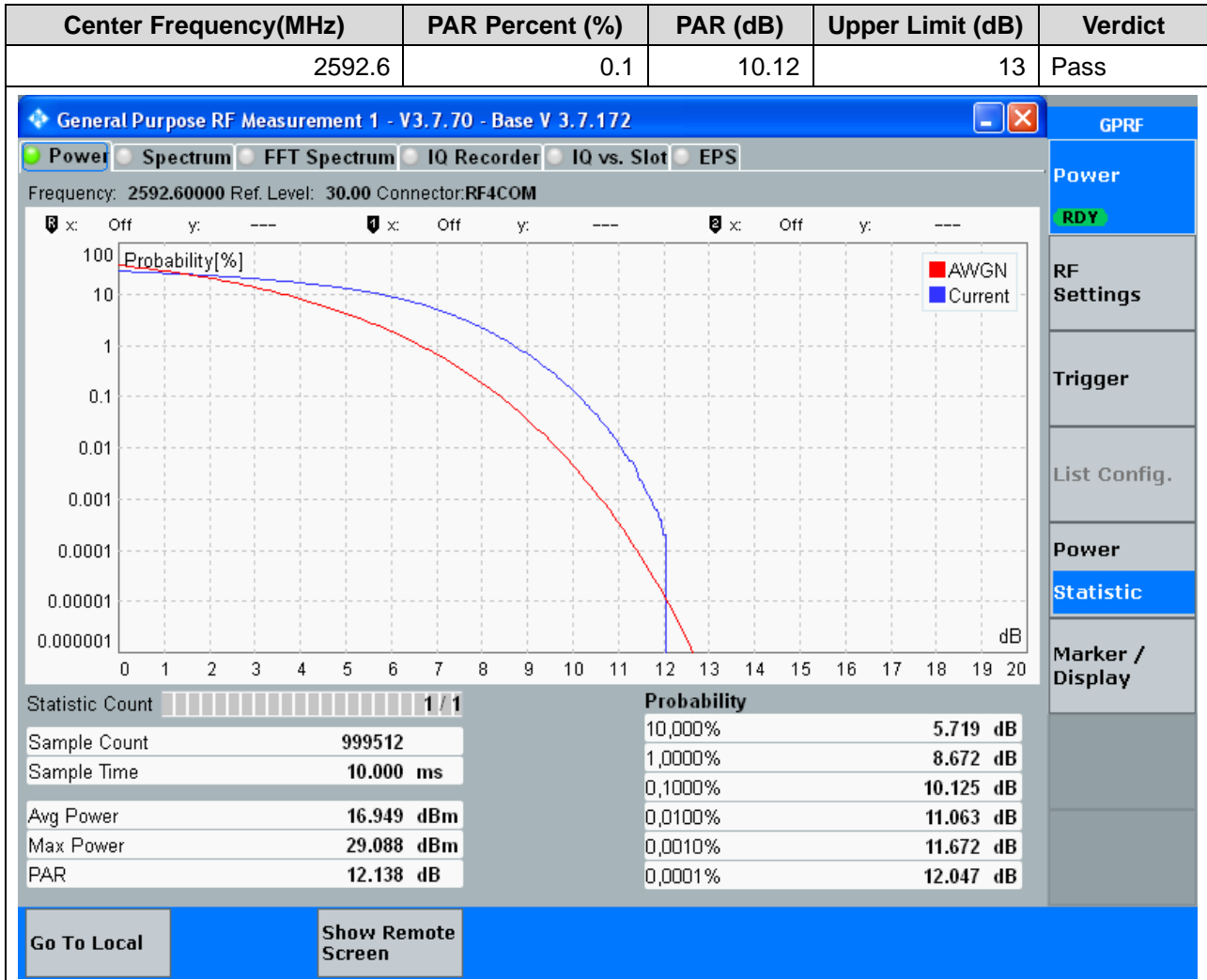
Frequency: 2593.40000 Ref. Level: 30.00 Connector:RF4COM

Statistic Count	Sample Count	Sample Time	Avg Power	Max Power	PAR
1 / 1	998512	9.990 ms	15.950 dBm	29.189 dBm	13.239 dB

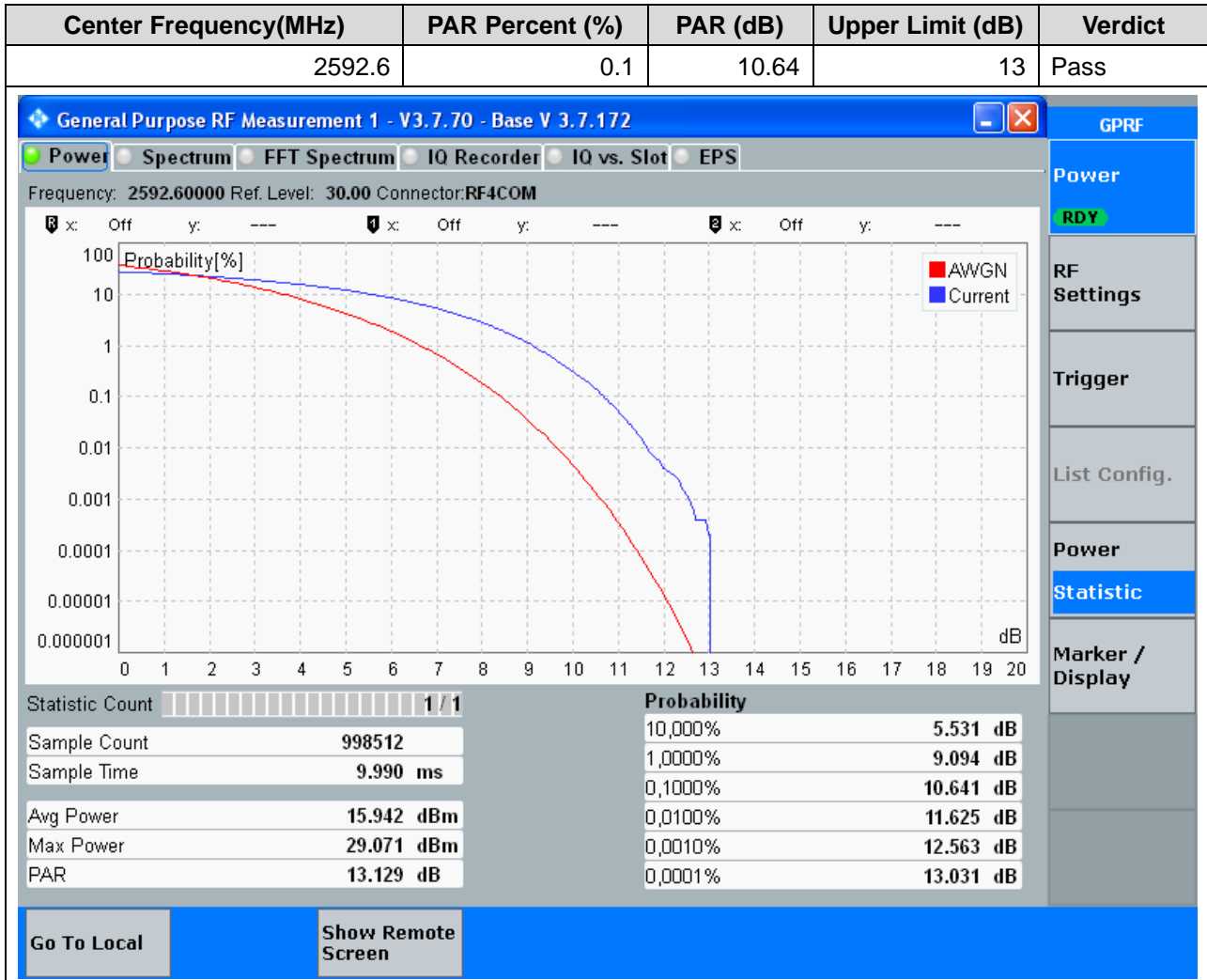
Probability	Value
10,000%	5.578 dB
1,0000%	9.000 dB
0,1000%	10.641 dB
0,0100%	11.766 dB
0,0010%	12.516 dB
0,0001%	13.078 dB

Go To Local Show Remote Screen

**18.3. LTE-A Peak to Average Ratio(NTNV)(Subtest:3, Channel:40595|40712, Bandwidth:20|5MHz, Modulation:QPSK, RB Number:Full|Full, RB Position:Low|Low)**



**18.4. LTE-A Peak to Average Ratio(NTNV)(Subtest:4, Channel:40595|40712, Bandwidth:20|5MHz, Modulation:16QAM, RB Number:Full|Full, RB Position:Low|Low)**



**18.5. LTE-A Peak to Average Ratio(NTNV)(Subtest:5, Channel:40526|40670, Bandwidth:10|20MHz, 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	9.98	13	Pass

**General Purpose RF Measurement 1 - V3.7.70 - Base V 3.7.172**

Power Spectrum FFT Spectrum IQ Recorder IQ vs. Slot EPS

Frequency: 2593.30000 Ref. Level: 30.00 Connector:RF4COM

Statistic Count	Sample Count	Sample Time	Avg Power	Max Power	PAR
1 / 1	999512	10.000 ms	16.972 dBm	29.379 dBm	12.407 dB

Probability	Value
10,000%	5.766 dB
1,0000%	8.531 dB
0,1000%	9.984 dB
0,0100%	11.016 dB
0,0010%	11.859 dB
0,0001%	12.281 dB

Go To Local Show Remote Screen

**18.6. LTE-A Peak to Average Ratio(NTNV)(Subtest:6, Channel:40526|40670, Bandwidth:10|20MHz, 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	10.59	13	Pass

**General Purpose RF Measurement 1 - V3.7.70 - Base V 3.7.172**

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

Frequency: 2593.30000 Ref. Level: 30.00 Connector:RF4COM

Statistic Count	Value	Probability	Value
Sample Count	998512	10,000%	5.625 dB
Sample Time	9.990 ms	1,0000%	9.000 dB
Avg Power	15.868 dBm	0,1000%	10.594 dB
Max Power	28.921 dBm	0,0010%	12.328 dB
PAR	13.053 dB	0,0001%	12.609 dB

Go To Local | Show Remote Screen



**18.7. LTE-A Peak to Average Ratio(NTNV)(Subtest:7, Channel:40571|40715, Bandwidth:20|10MHz, 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	10.03	13	Pass

General Purpose RF Measurement 1 - V3.7.70 - Base V 3.7.172
GPRF

Power
Spectrum
FFT Spectrum
IQ Recorder
IQ vs. Slot
EPS

Frequency: 2592.80000 Ref. Level: 30.00 Connector:RF4COM

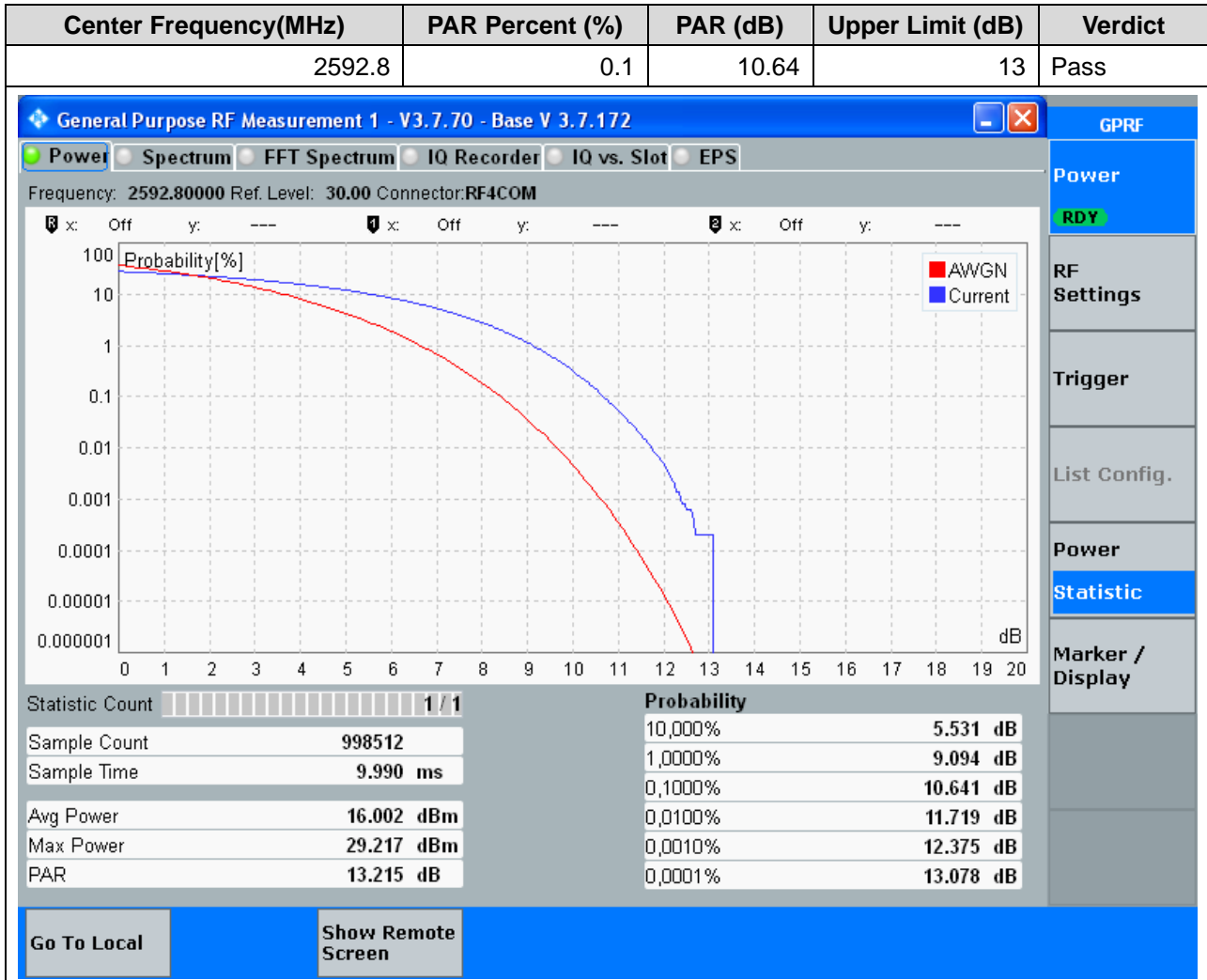
x: Off y: ---
x: Off y: ---
x: Off y: ---

Statistic Count	
Sample Count	999514
Sample Time	10.000 ms
Avg Power	16.876 dBm
Max Power	29.123 dBm
PAR	12.248 dB

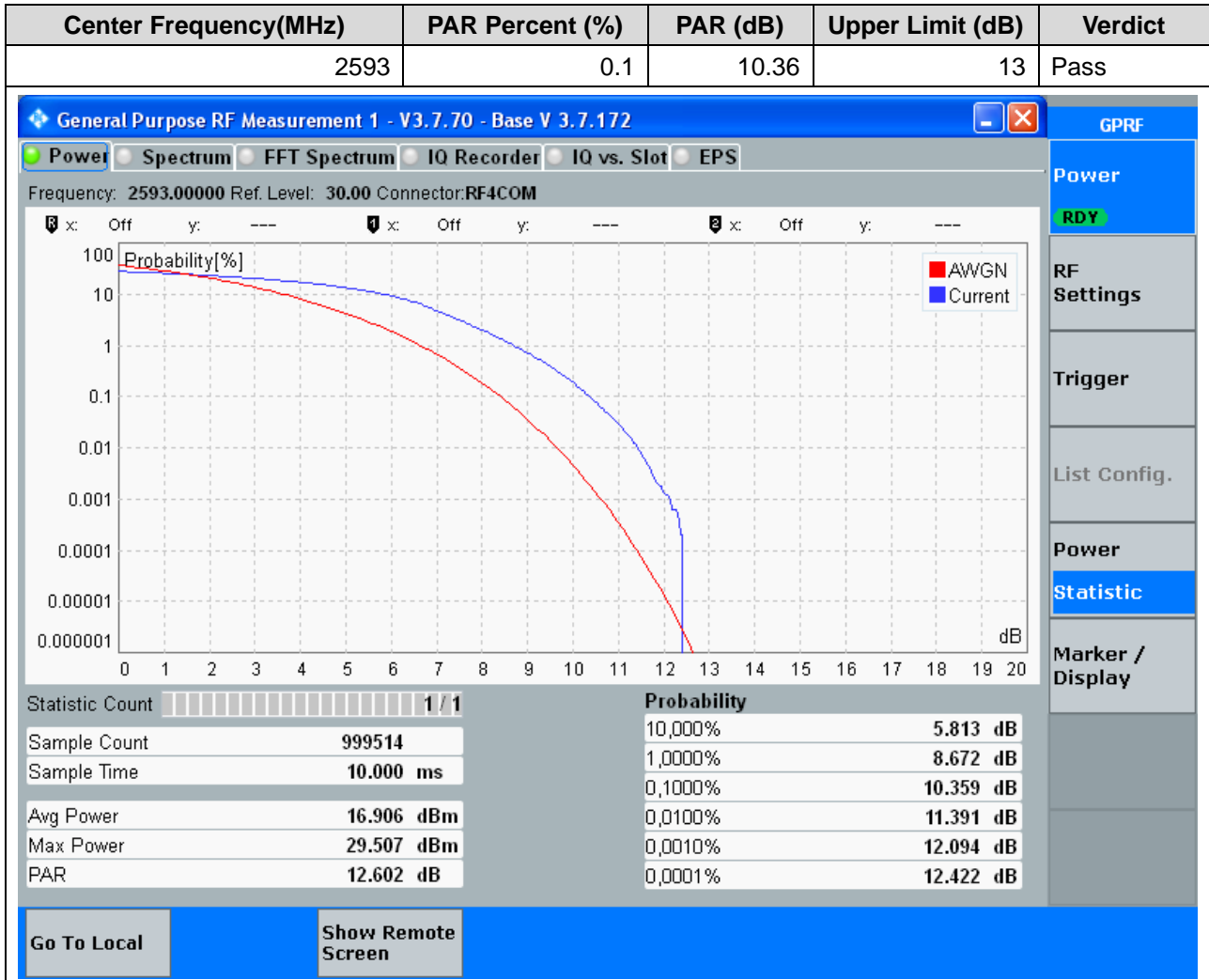
Probability	
10,000%	5.719 dB
1,0000%	8.625 dB
0,1000%	10.031 dB
0,0100%	11.063 dB
0,0010%	11.766 dB
0,0001%	12.141 dB

Go To Local
Show Remote Screen

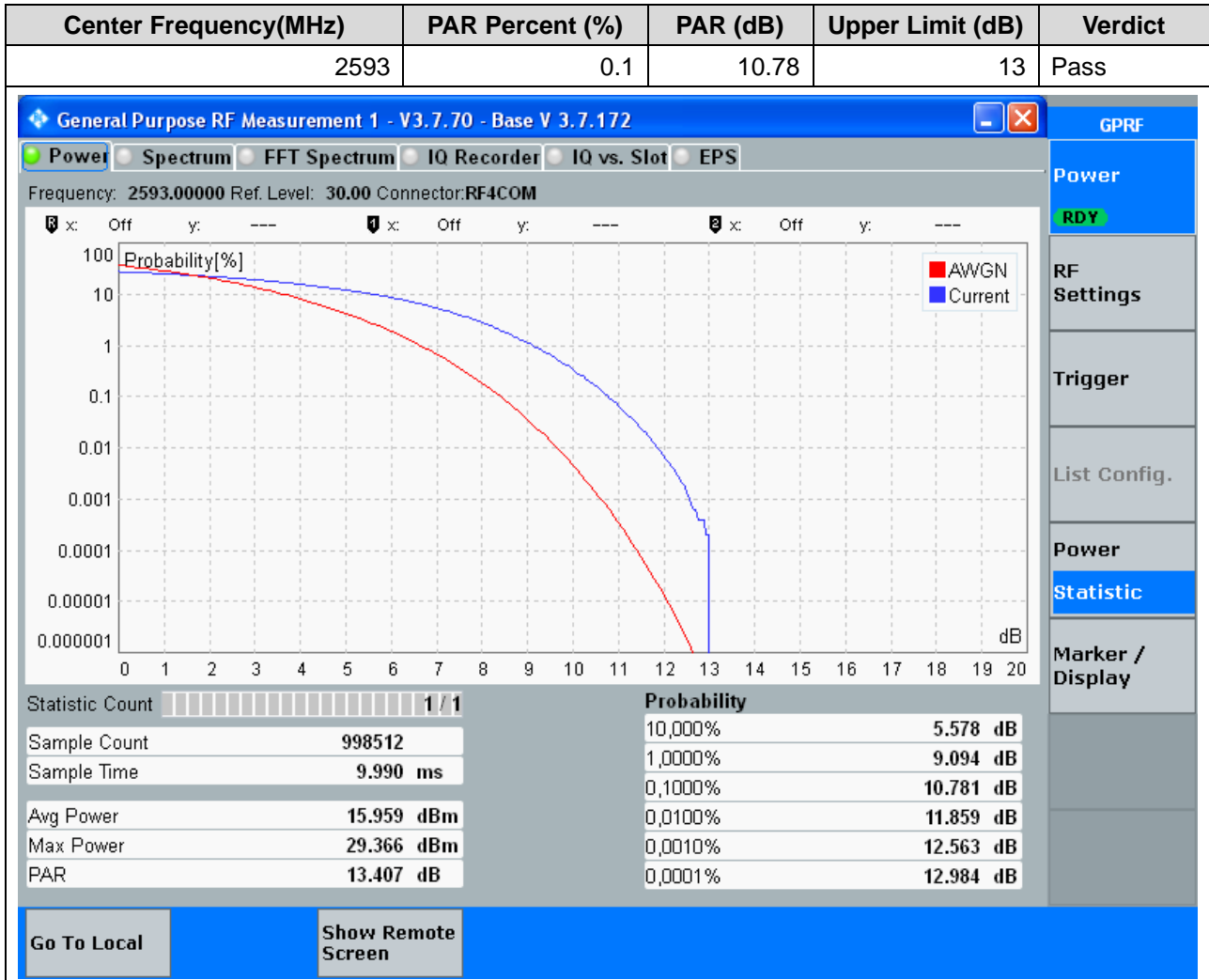
**18.8. LTE-A Peak to Average Ratio(NTNV)(Subtest:8, Channel:40571|40715, Bandwidth:20|10MHz, Modulation:16QAM, RB Number:Full|Full, RB Position:Low|Low)**



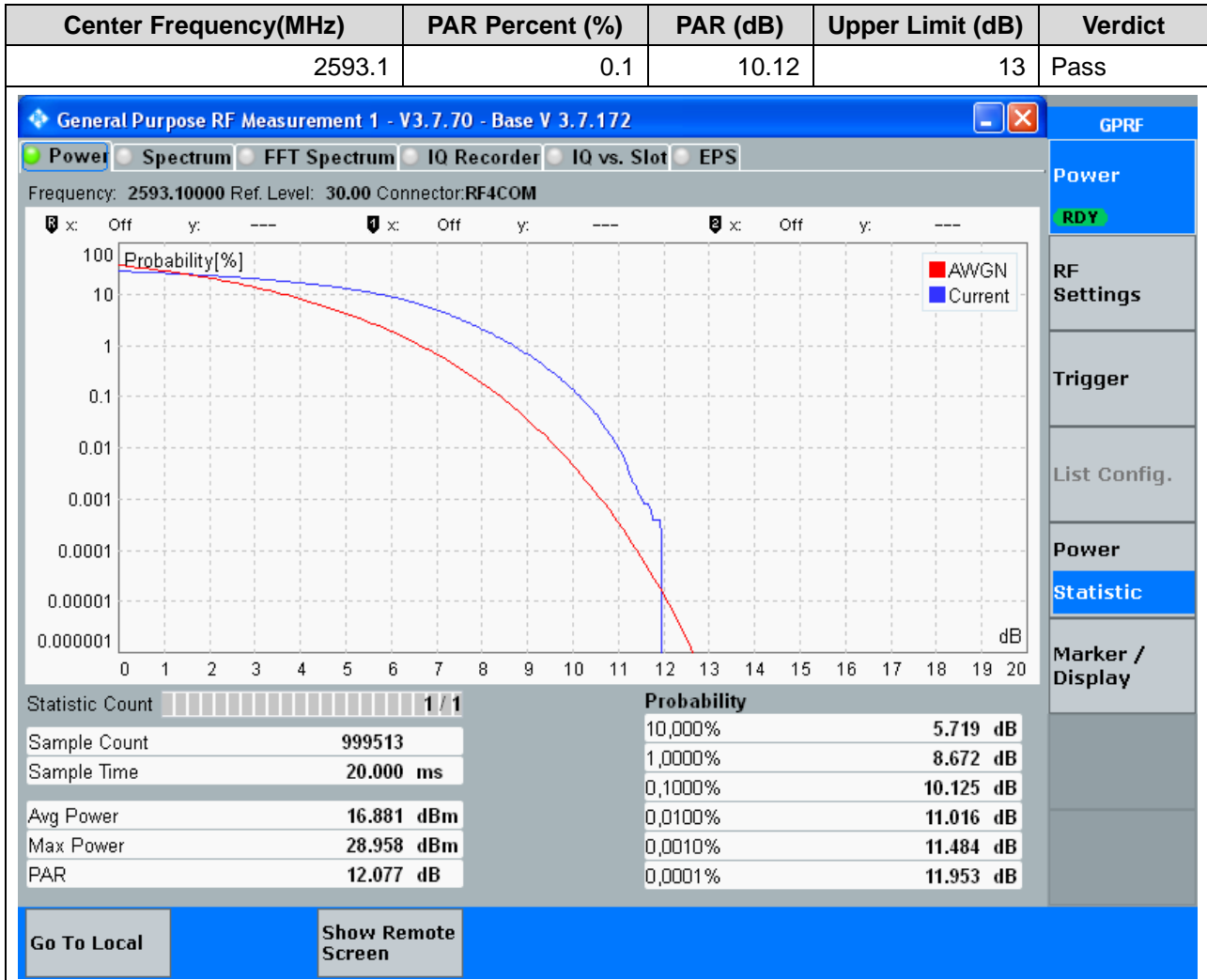
**18.9. LTE-A Peak to Average Ratio(NTNV)(Subtest:9, Channel:40545|40695, Bandwidth:15|15MHz, Modulation:QPSK, RB Number:Full|Full, RB Position:Low|Low)**



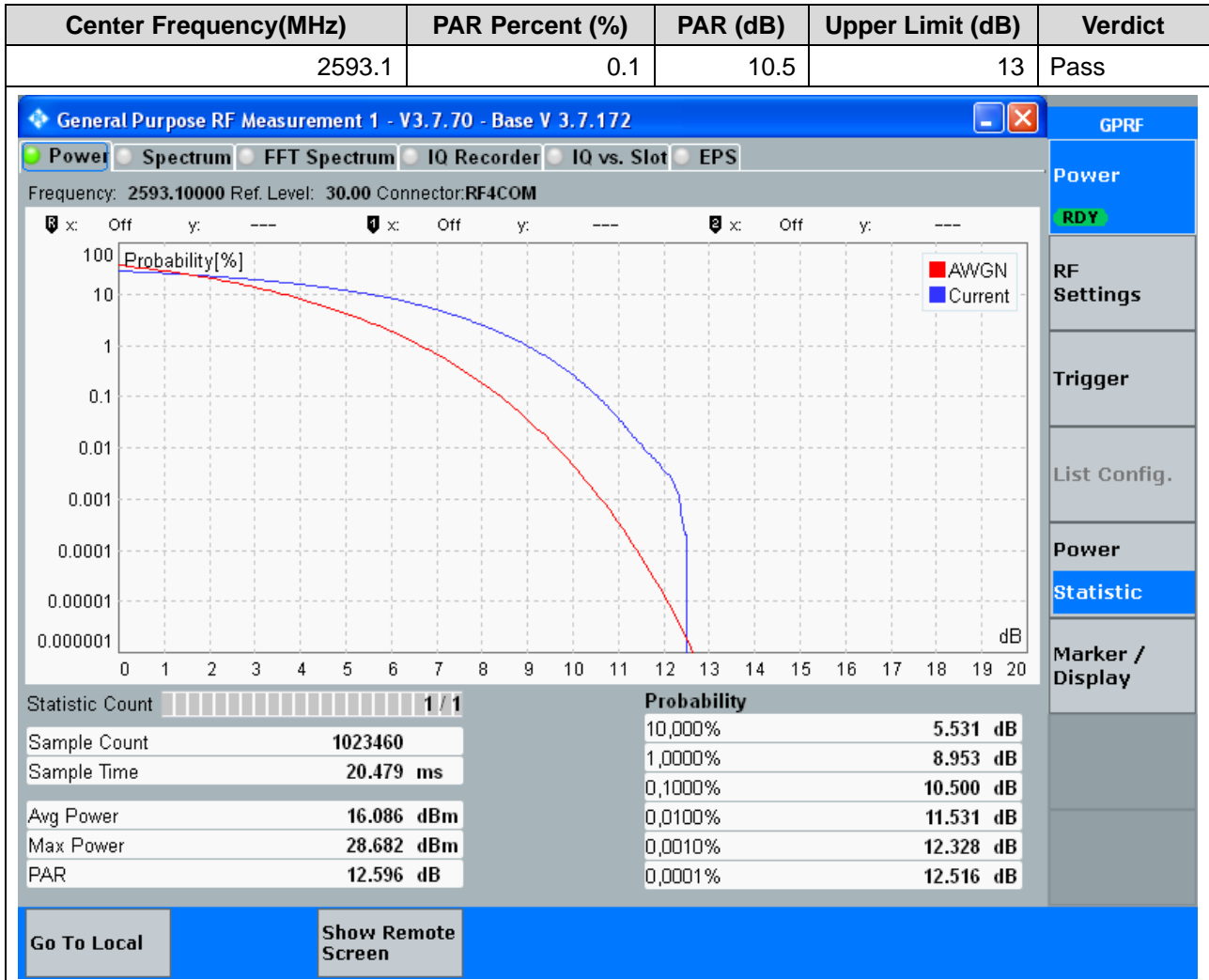
**18.10. LTE-A Peak to Average Ratio(NTNV)(Subtest:10, Channel:40545|40695, Bandwidth:15|15MHz, Modulation:16QAM, RB Number:Full|Full, RB Position:Low|Low)**



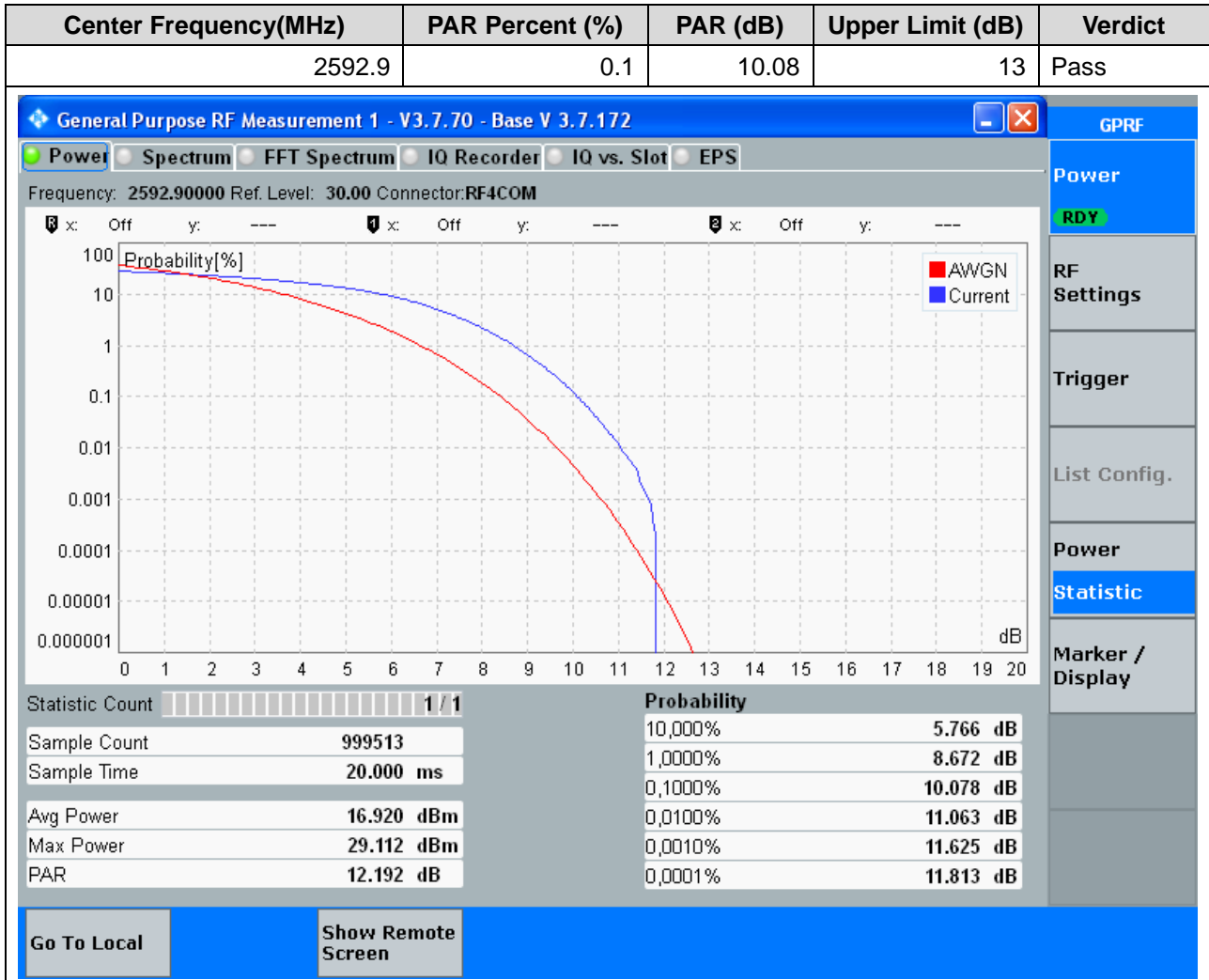
**18.11. LTE-A Peak to Average Ratio(NTNV)(Subtest:11, Channel:40523|40694, Bandwidth:15|20MHz, Modulation:QPSK, RB Number:Full|Full, RB Position:Low|Low)**



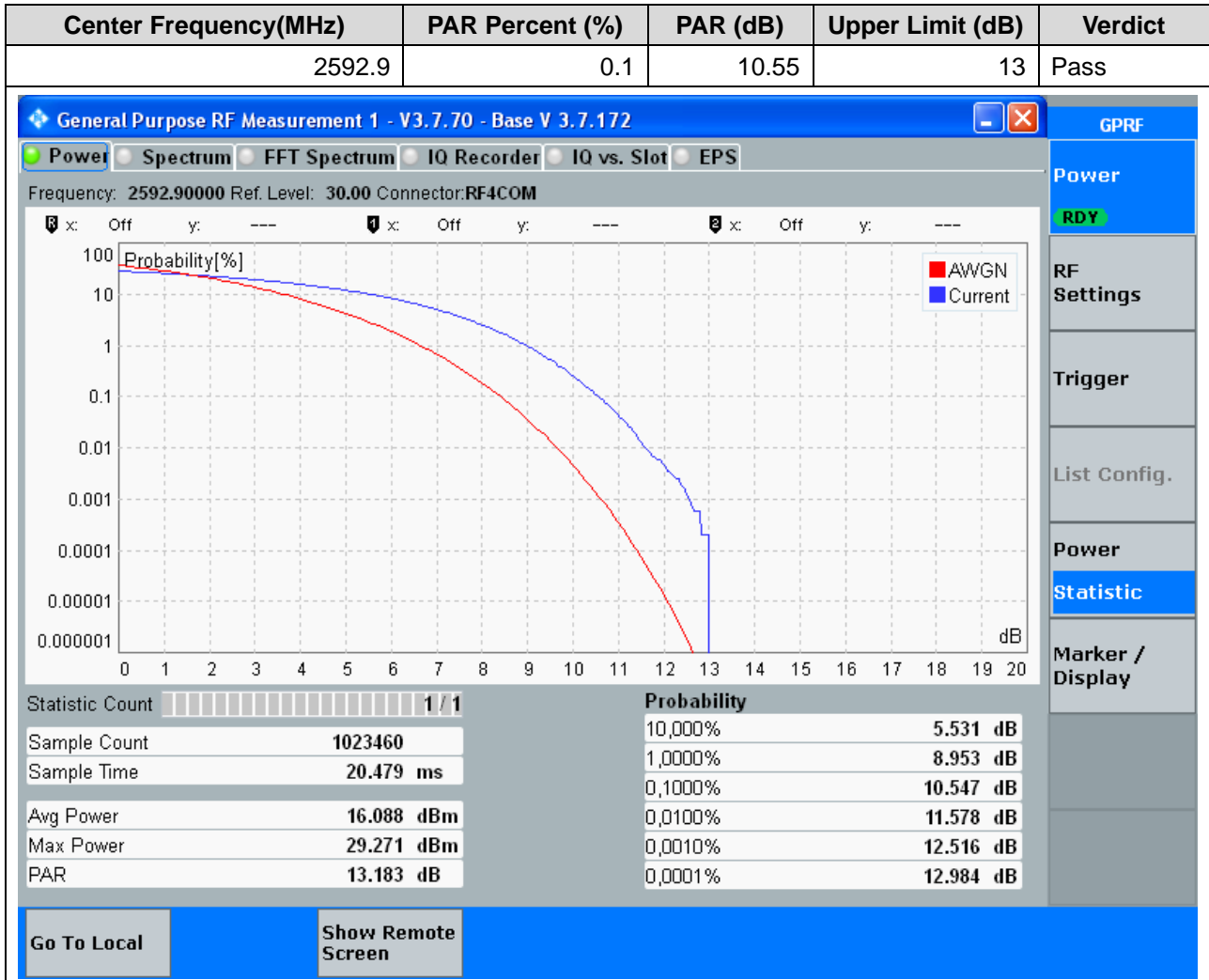
**18.12. LTE-A Peak to Average Ratio(NTNV)(Subtest:12, Channel:40523|40694, Bandwidth:15|20MHz, Modulation:16QAM, RB Number:Full|Full, RB Position:Low|Low)**



**18.13. LTE-A Peak to Average Ratio(NTNV)(Subtest:13, Channel:40546|40717, Bandwidth:20|15MHz, Modulation:QPSK, RB Number:Full|Full, RB Position:Low|Low)**

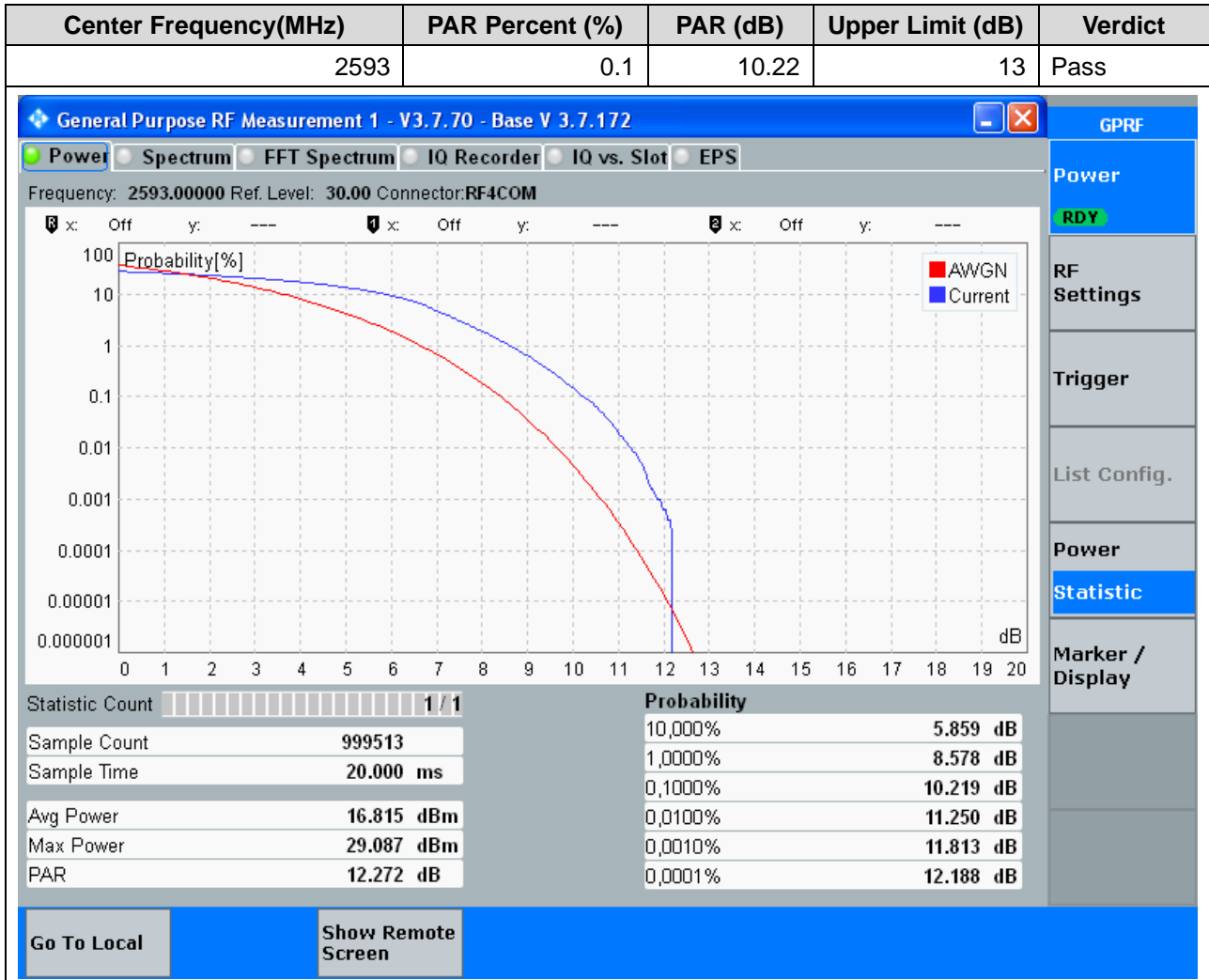


**18.14. LTE-A Peak to Average Ratio(NTNV)(Subtest:14, Channel:40546|40717, Bandwidth:20|15MHz, Modulation:16QAM, RB Number:Full|Full, RB Position:Low|Low)**

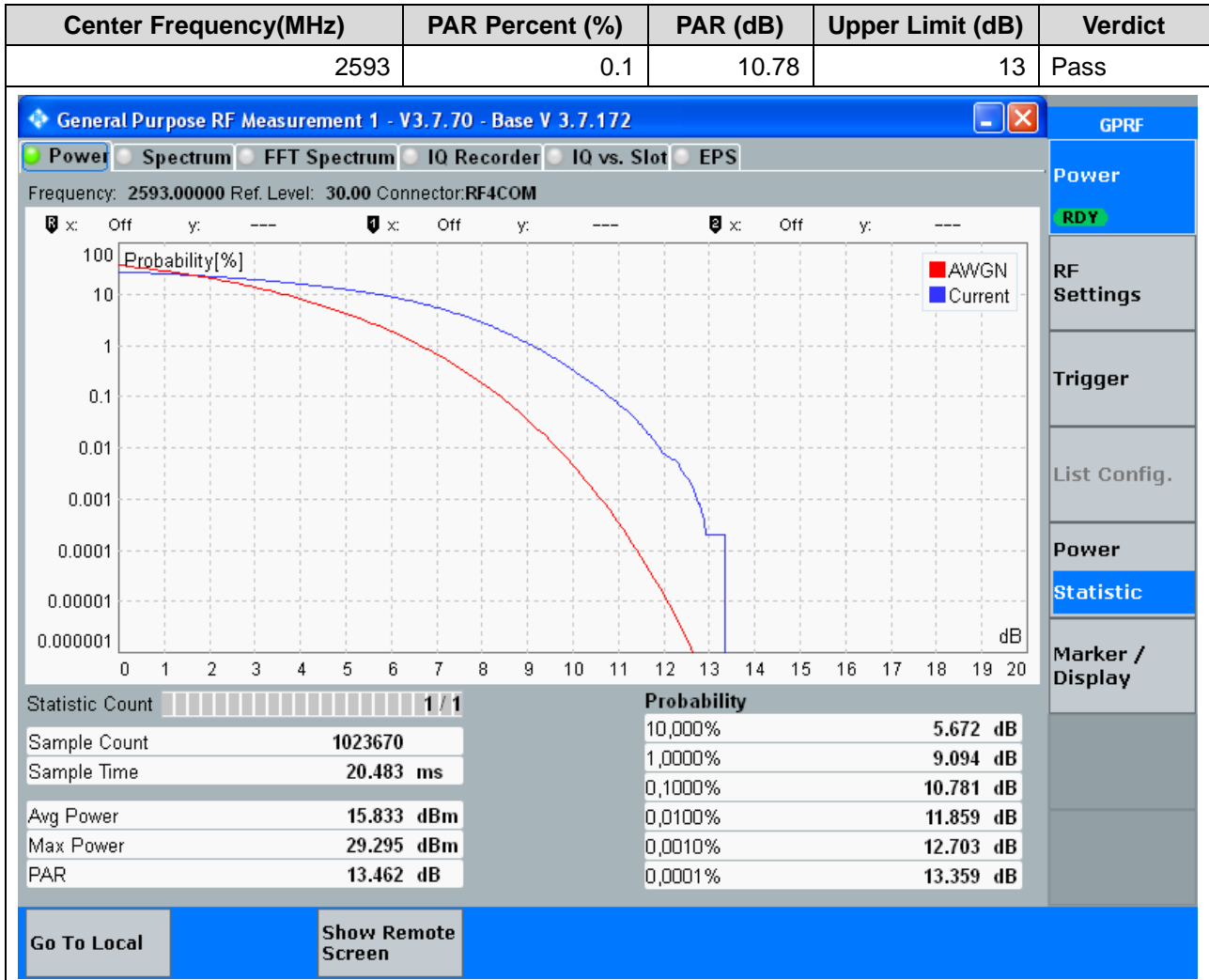




**18.15. LTE-A Peak to Average Ratio(NTNV)(Subtest:15, Channel:40521|40719, Bandwidth:20|20MHz, Modulation:QPSK, RB Number:Full|Full, RB Position:Low|Low)**

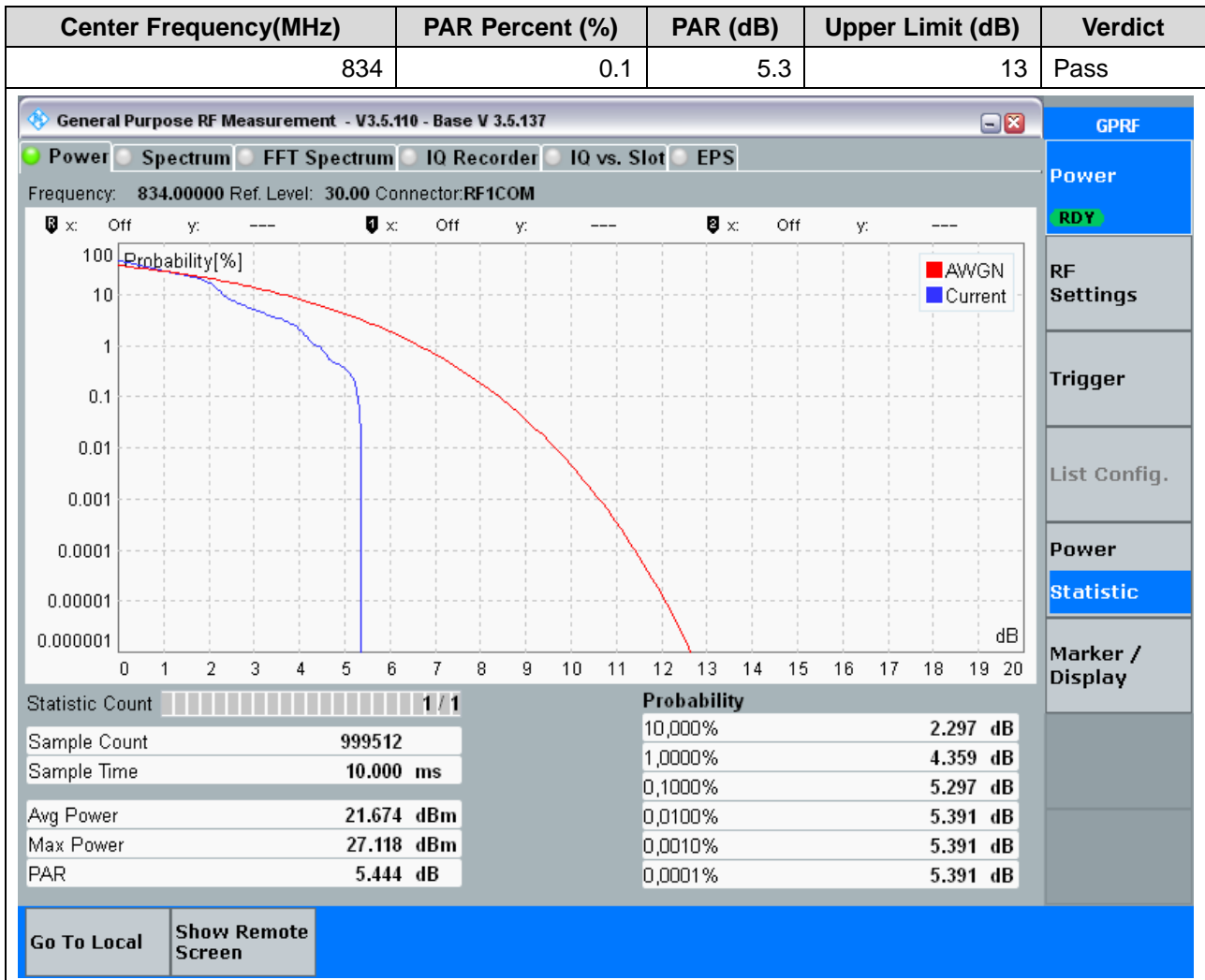


**18.16. LTE-A Peak to Average Ratio(NTNV)(Subtest:16, Channel:40521|40719, Bandwidth:20|20MHz, Modulation:16QAM, RB Number:Full|Full, RB Position:Low|Low)**

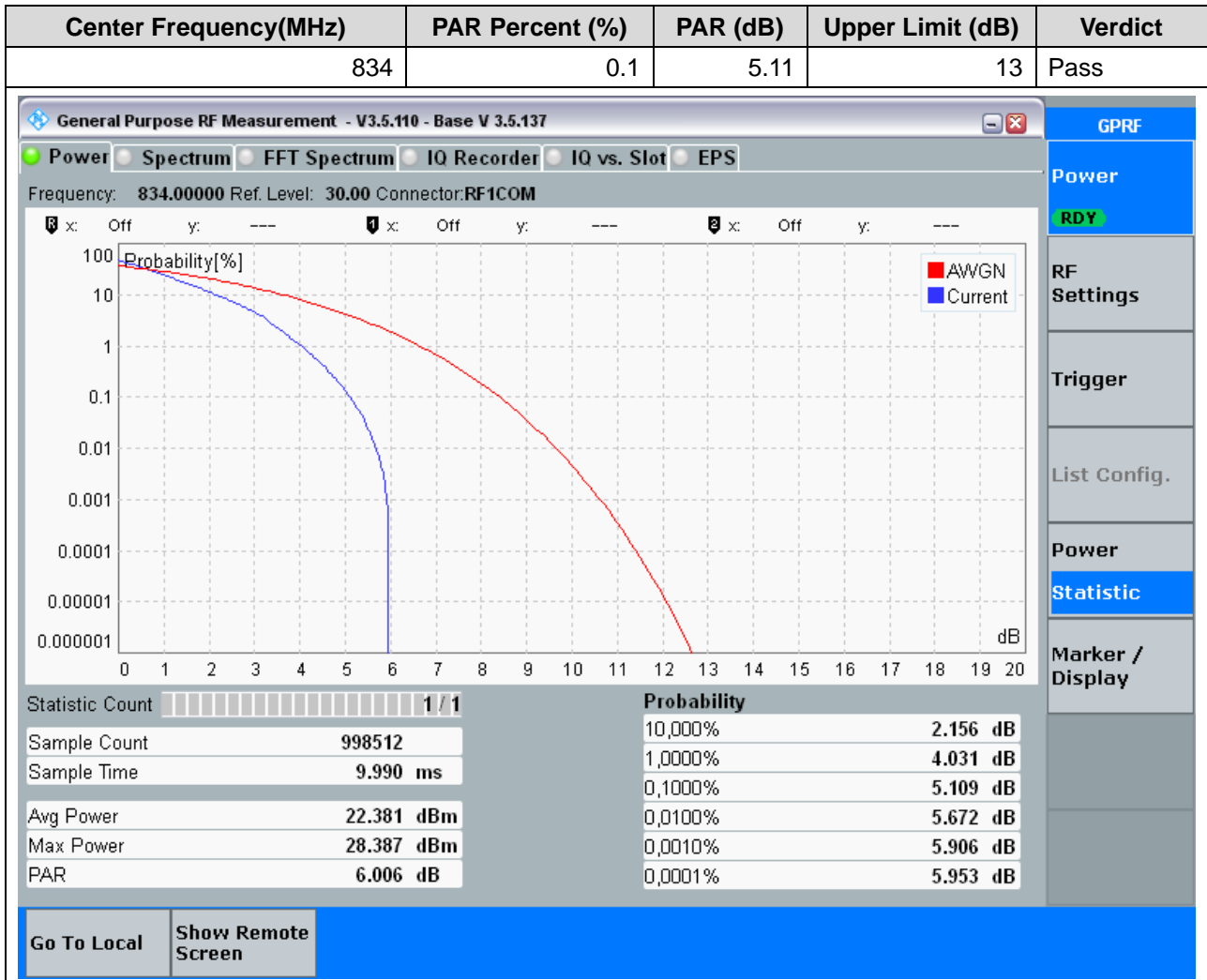


## 19. n5

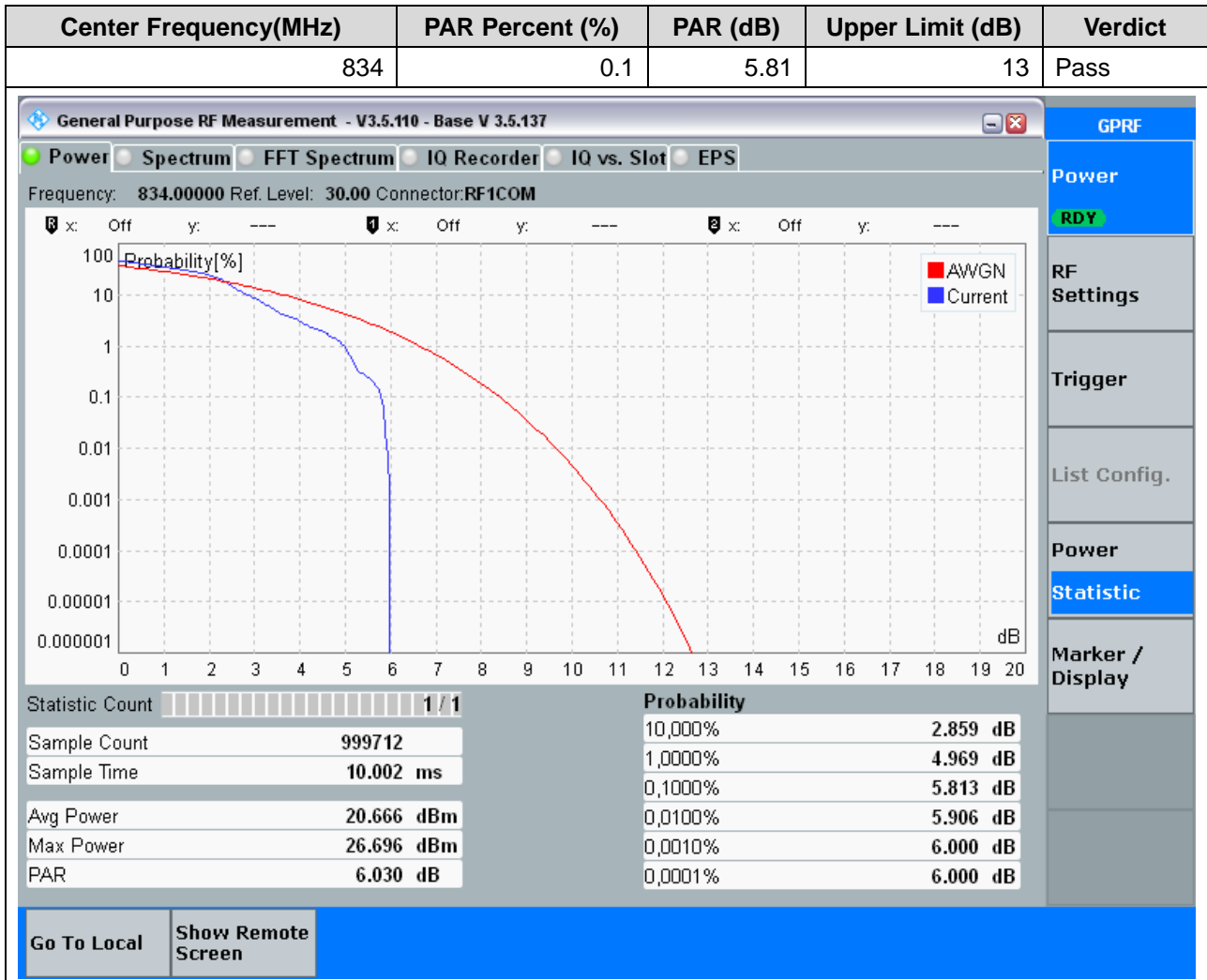
### 19.1. Peak to Average Ratio for SA(NTNV)(Channel:166800, Bandwidth:20, SCS:15, OFDM:DFT-s-OFDM, Modulation:QPSK, RB Number:1, RB Position:0)



**19.2. Peak to Average Ratio for SA(NTNV)(Channel:166800, Bandwidth:20, SCS:15, OFDM:DFT-s-OFDM, Modulation:QPSK, RB Number:100, RB Position:0)**



**19.3. Peak to Average Ratio for SA(NTNV)(Channel:166800, Bandwidth:20, SCS:15, OFDM:DFT-s-OFDM, Modulation:16QAM, RB Number:1, RB Position:0)**



**19.4. Peak to Average Ratio for SA(NTNV)(Channel:166800, Bandwidth:20, SCS:15, OFDM:DFT-s-OFDM, Modulation:16QAM, RB Number:100, RB Position:0)**

