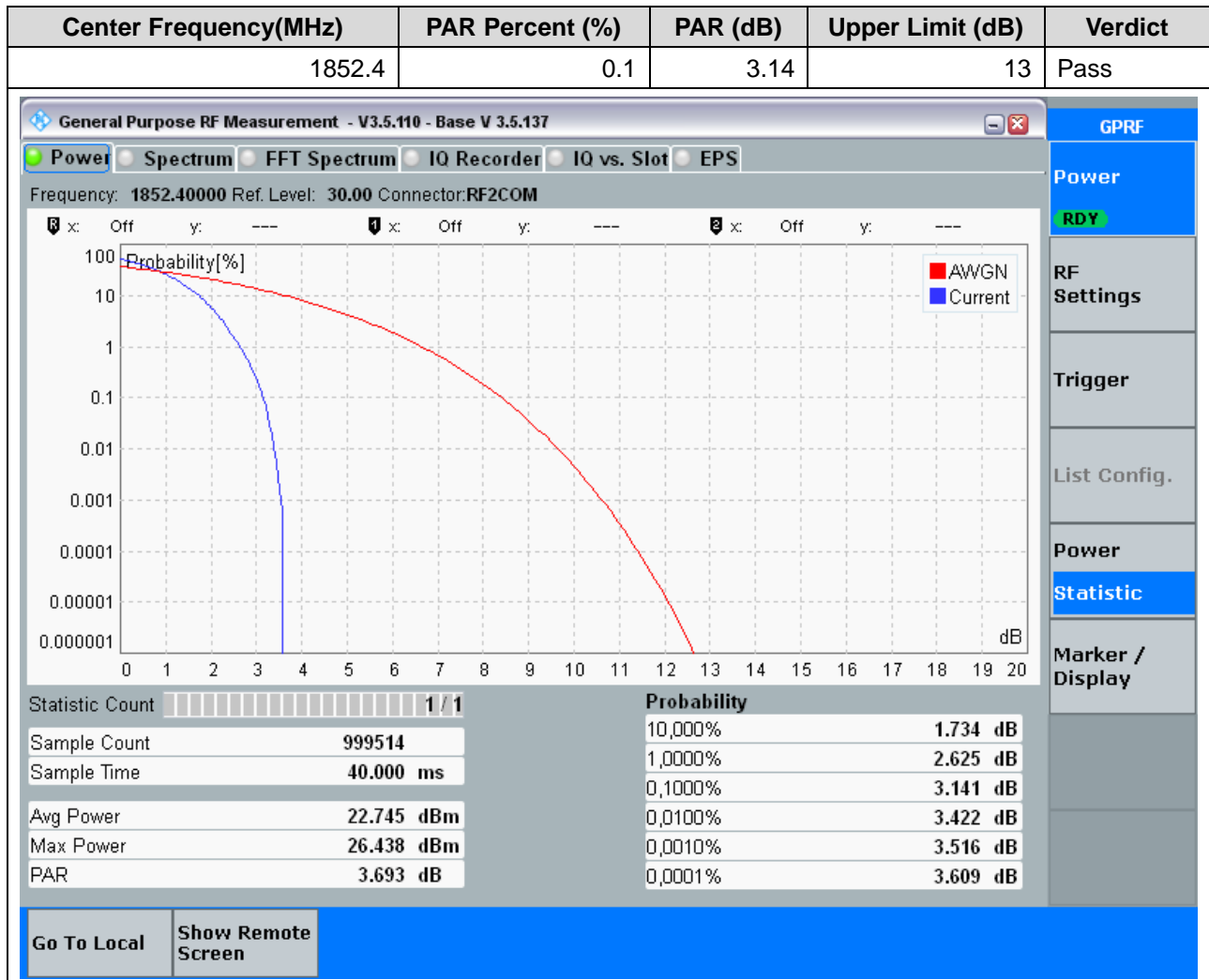


Annex A.2 Peak to Average Ratio

1. WCDMA_Band2

1.1. WCDMA Peak to Average Ratio_Part22-24-27(NTNV)(Channel:9262)



1.2. WCDMA Peak to Average Ratio_Part22-24-27(NTNV)(Channel:9400)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	3.19	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	Probability
Sample Count 1023250	10,000% 1.734 dB
Sample Time 40.950 ms	1,0000% 2.625 dB
Avg Power 22.830 dBm	0,1000% 3.188 dB
Max Power 26.549 dBm	0,0100% 3.422 dB
PAR 3.719 dB	0,0010% 3.563 dB
	0,0001% 3.656 dB

Go To Local
Show Remote Screen

Power

RDY

RF Settings

Trigger

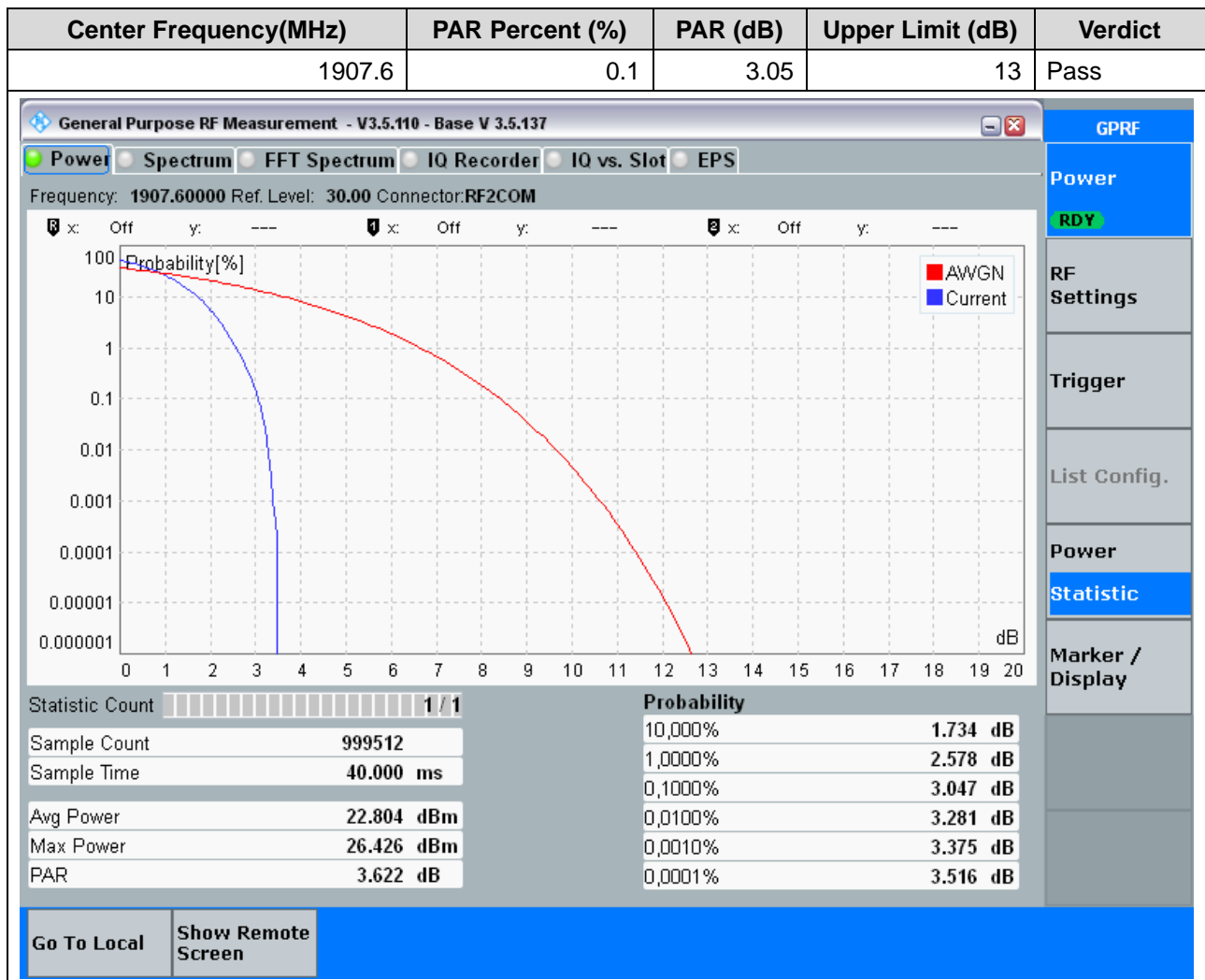
List Config.

Power

Statistic

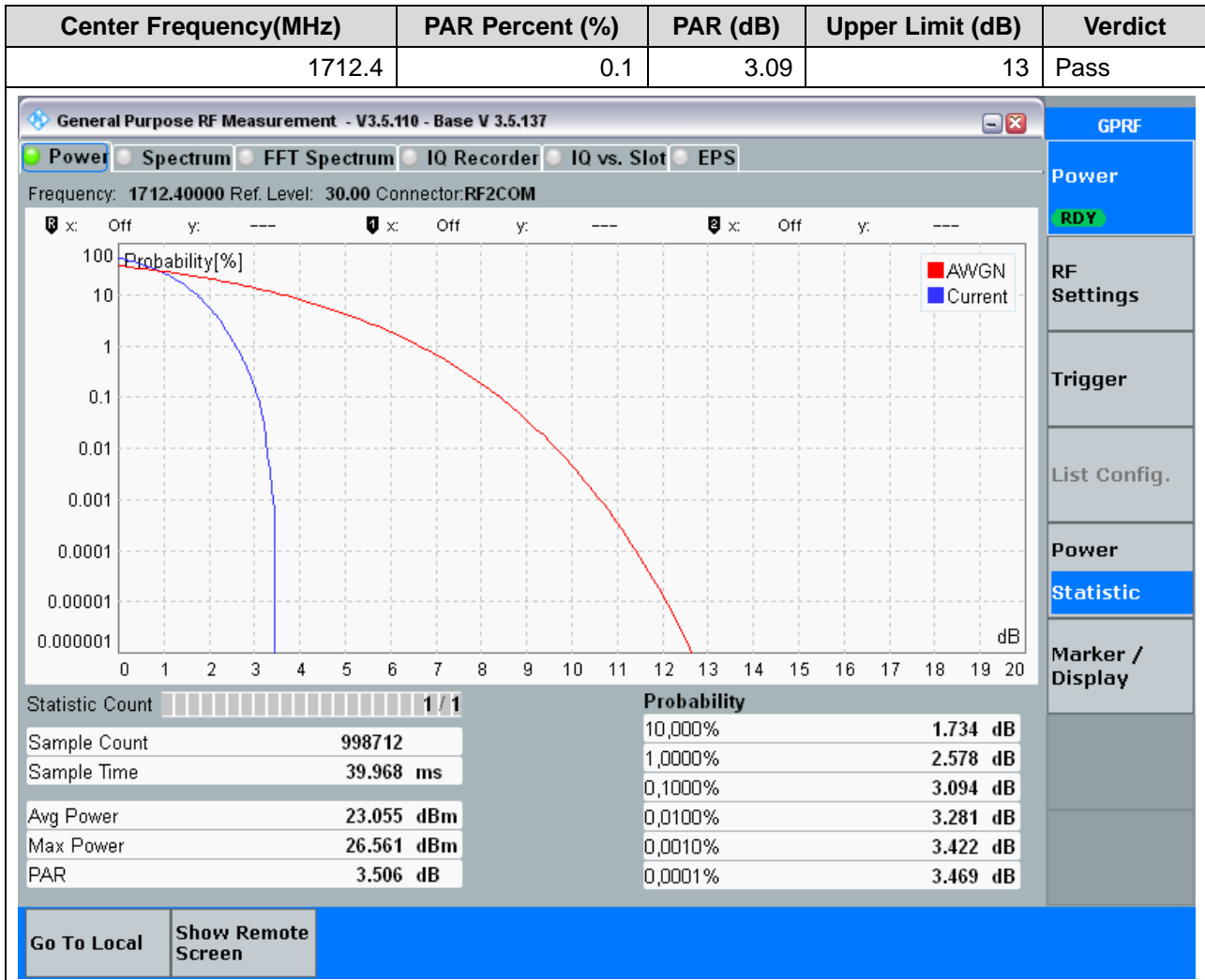
Marker / Display

1.3. WCDMA Peak to Average Ratio_Part22-24-27(NTNV)(Channel:9538)

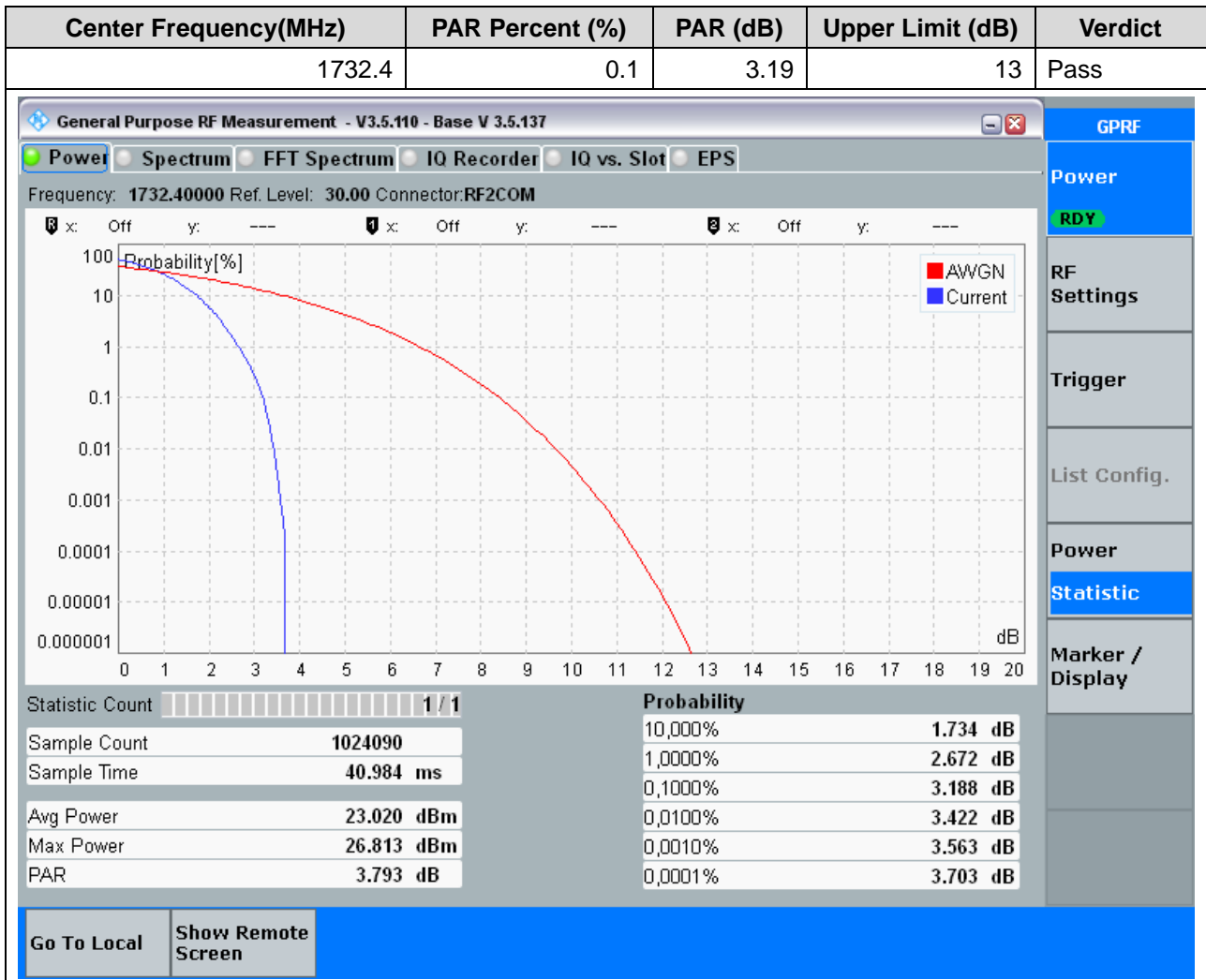


2. WCDMA_Band4

2.1. WCDMA Peak to Average Ratio_Part22-24-27(NTNV)(Channel:1312)



2.2. WCDMA Peak to Average Ratio_Part22-24-27(NTNV)(Channel:1412)



2.3. WCDMA Peak to Average Ratio_Part22-24-27(NTNV)(Channel:1513)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1752.6	0.1	3	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: 1752.60000 Ref. Level: 30.00 Connector:RF2COM

GPRF

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

Legend: ■ AWGN ■ Current

Statistic Count 1 / 1	Probability
Sample Count 998712	10,000% 1.734 dB
Sample Time 39.968 ms	1,0000% 2.531 dB
Avg Power 23.036 dBm	0,1000% 3.000 dB
Max Power 26.568 dBm	0,0100% 3.234 dB
PAR 3.532 dB	0,0010% 3.328 dB
	0,0001% 3.422 dB

Go To Local

Show Remote Screen

Power

RDY

RF Settings

Trigger

List Config.

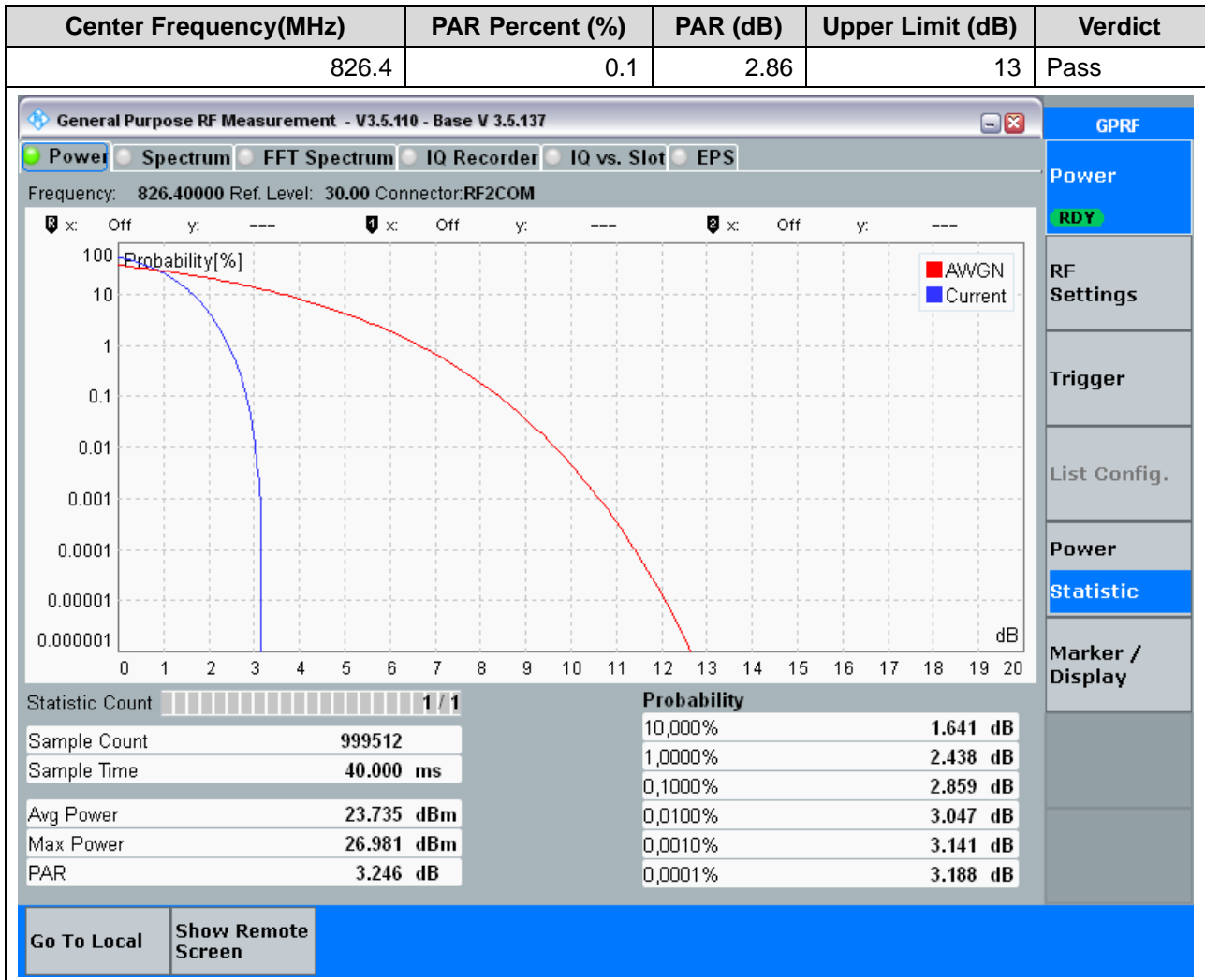
Power

Statistic

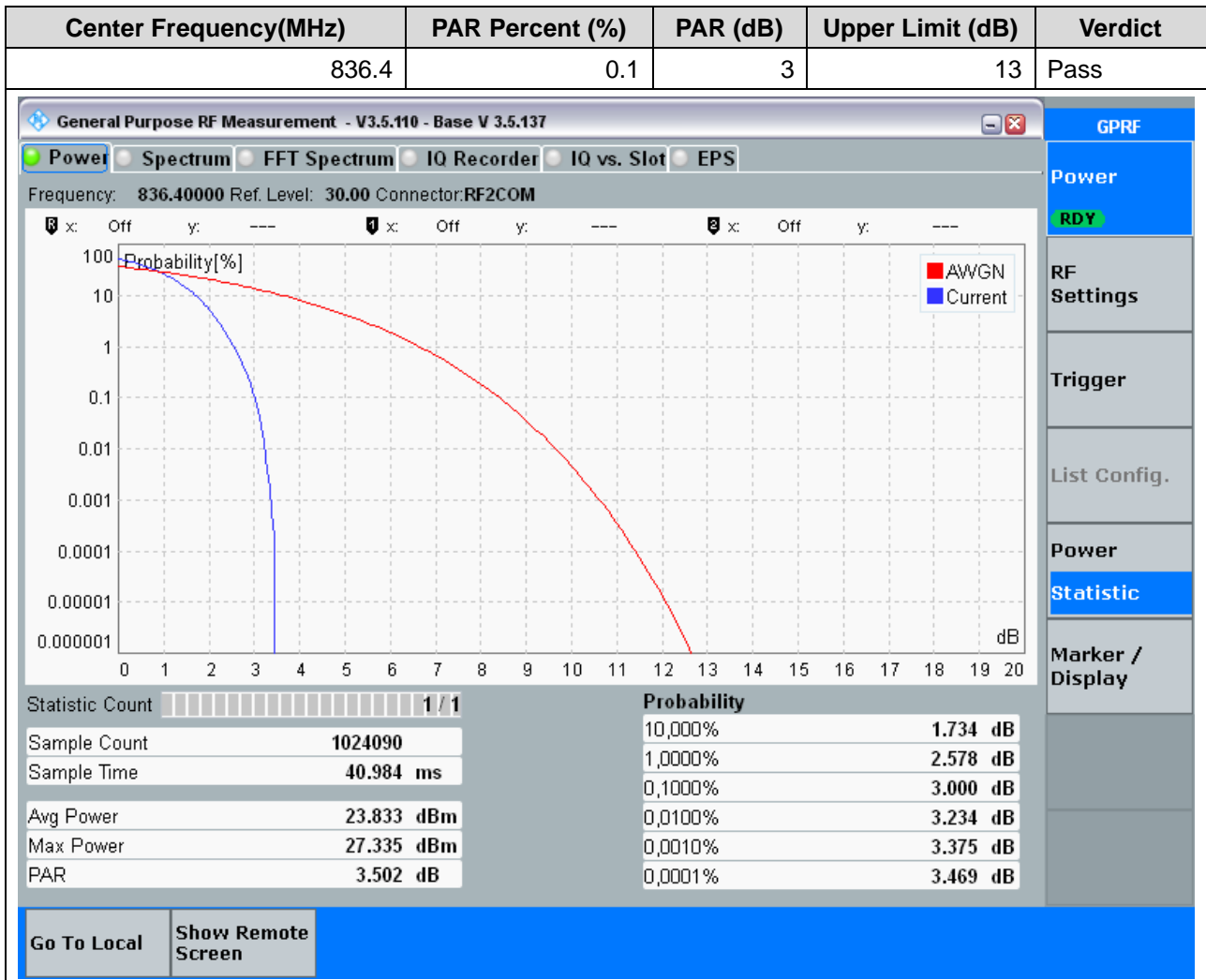
Marker / Display

3. WCDMA_Band5

3.1. WCDMA Peak to Average Ratio_Part22-24-27(NTNV)(Channel:4132)



3.2. WCDMA Peak to Average Ratio_Part22-24-27(NTNV)(Channel:4182)



3.3. WCDMA Peak to Average Ratio_Part22-24-27(NTNV)(Channel:4233)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
846.6	0.1	2.86	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: **846.60000** Ref. Level: **30.00** Connector: **RF2COM**

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

Statistic Count	1 / 1	Probability
Sample Count	998712	10,000% 1.641 dB
Sample Time	39.968 ms	1,0000% 2.438 dB
Avg Power	23.723 dBm	0,1000% 2.859 dB
Max Power	27.023 dBm	0,0100% 3.000 dB
PAR	3.300 dB	0,0010% 3.141 dB
		0,0001% 3.188 dB

Go To Local
Show Remote Screen

Power

RDY

RF Settings

Trigger

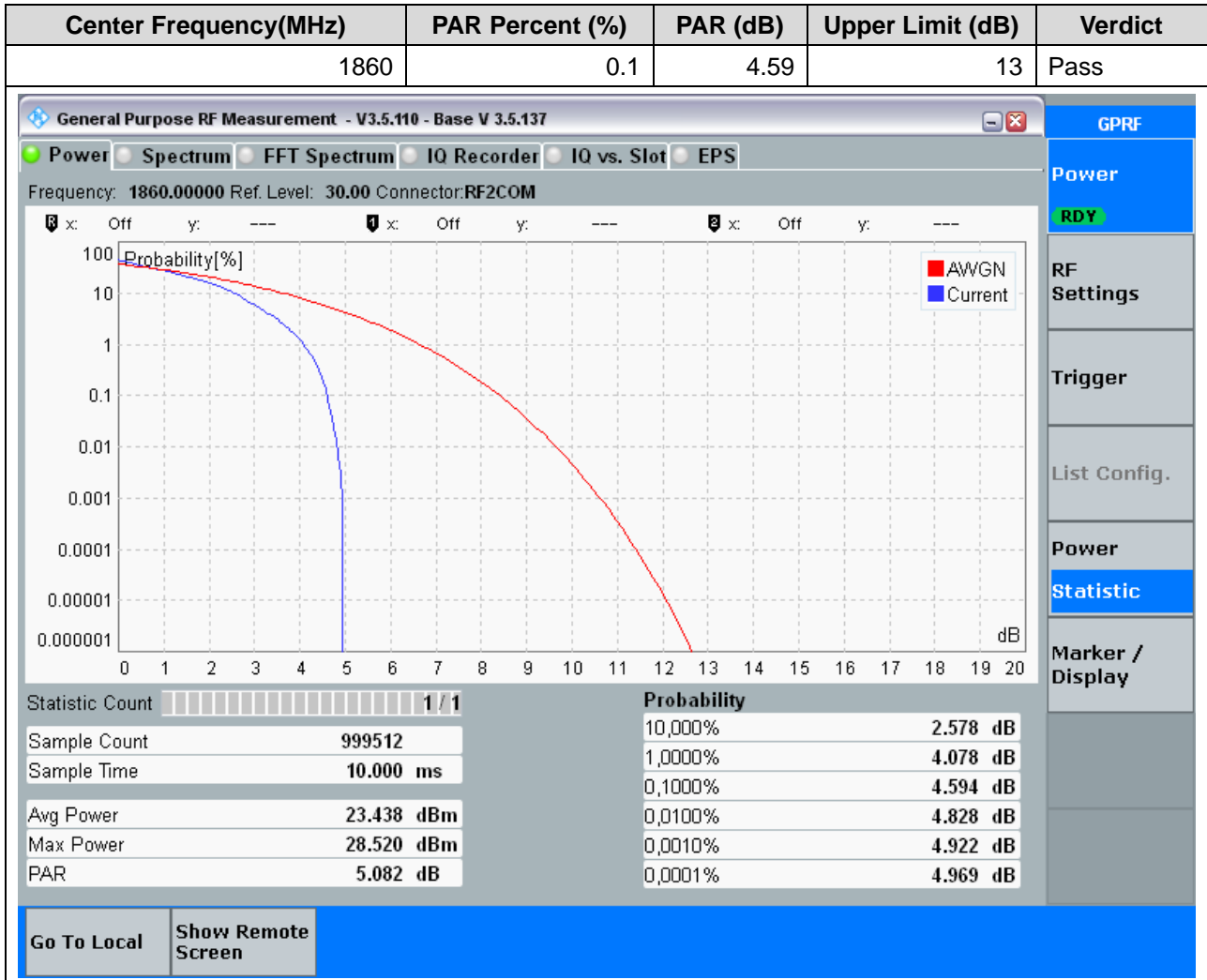
List Config.

Statistic

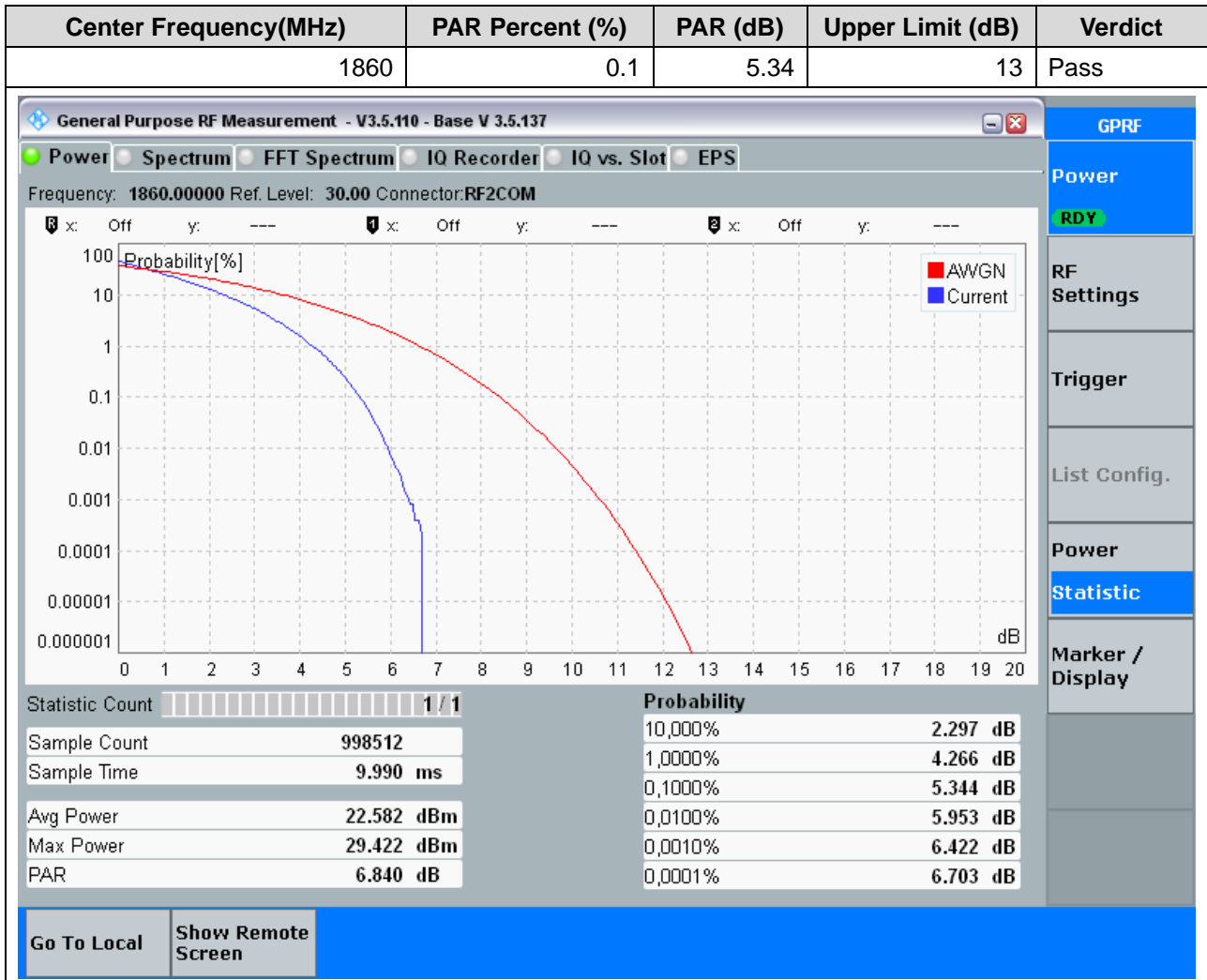
Marker / Display

4. LTE_Band2

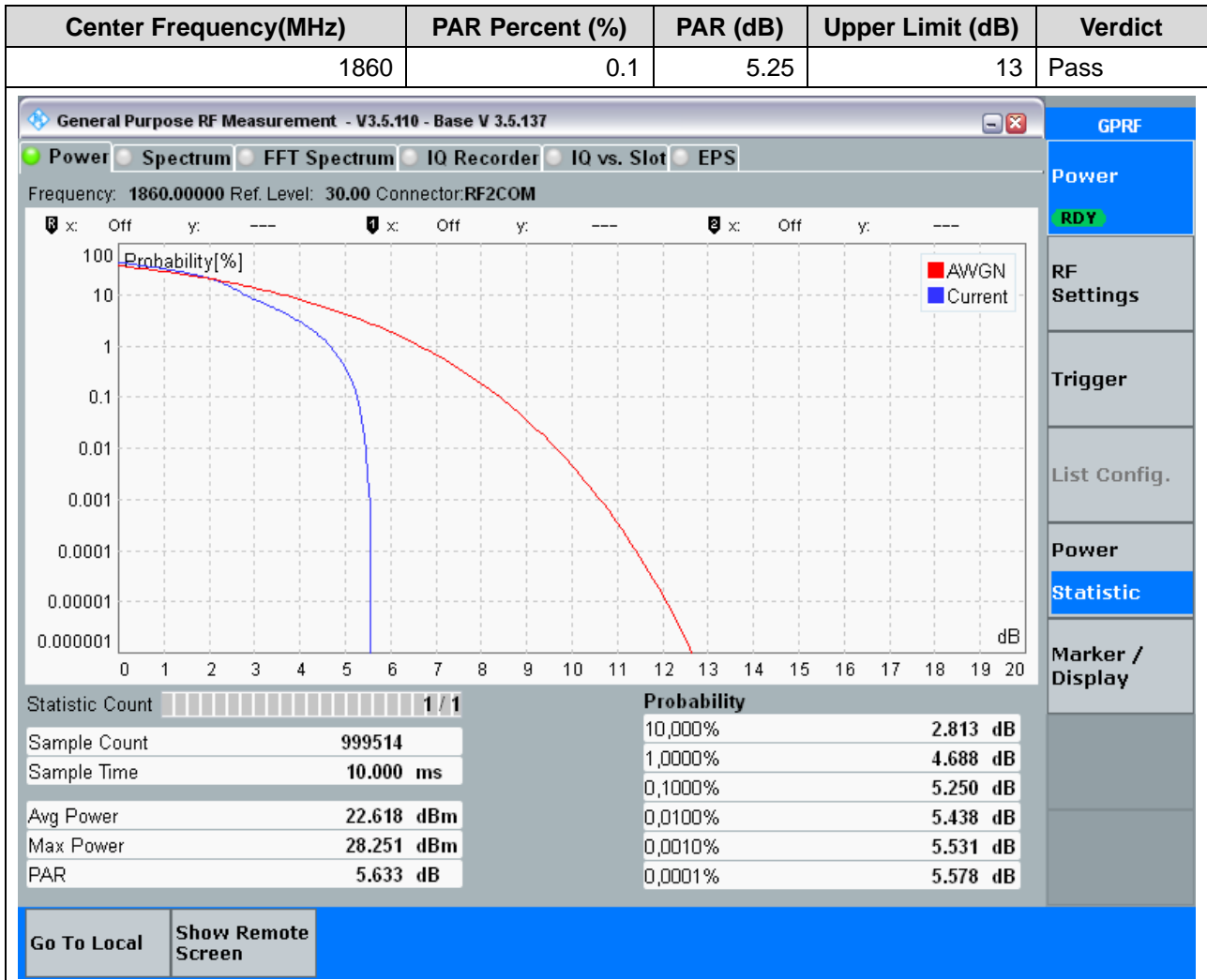
4.1. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:1, Channel:18700, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)



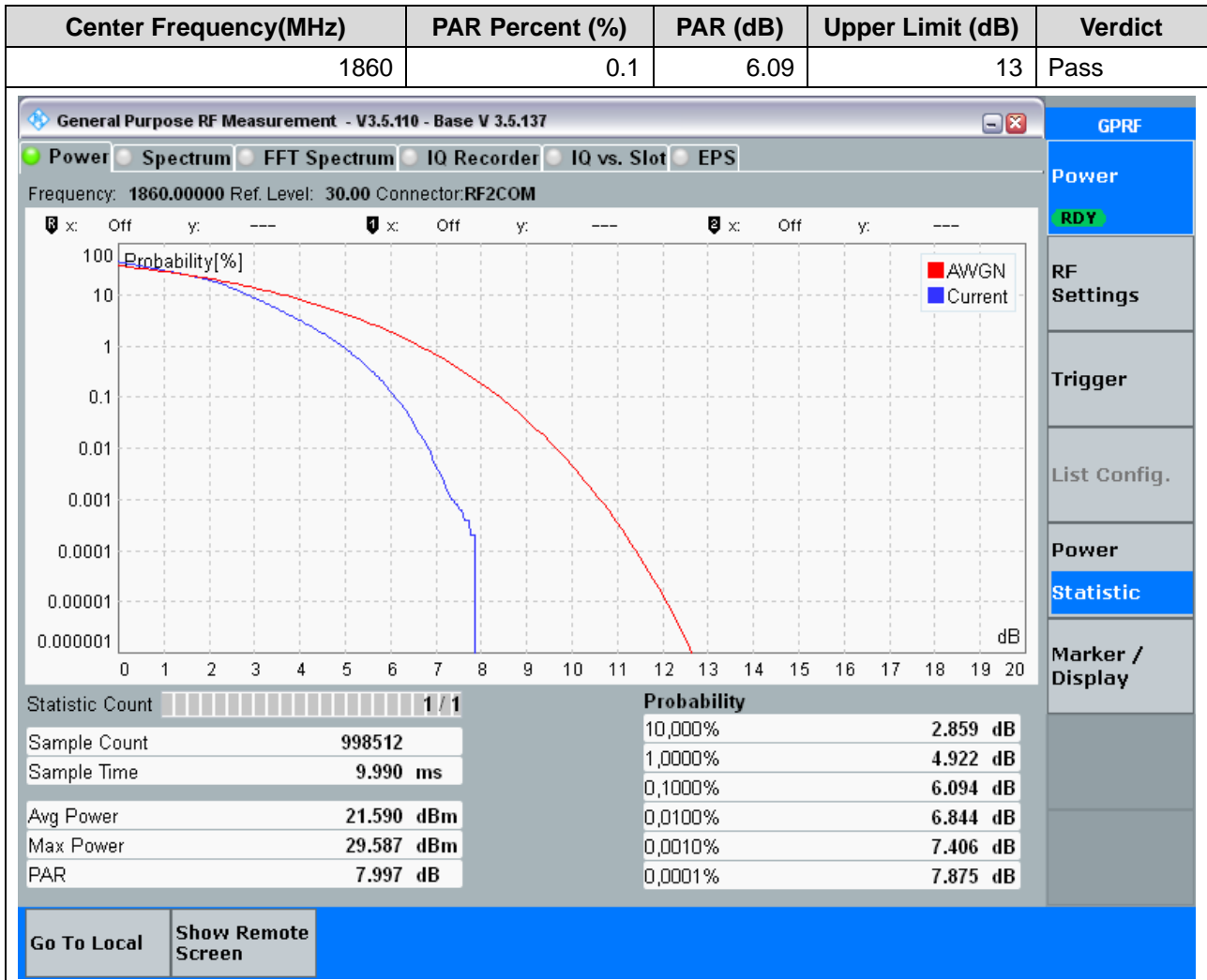
4.2. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:2, Channel:18700, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)



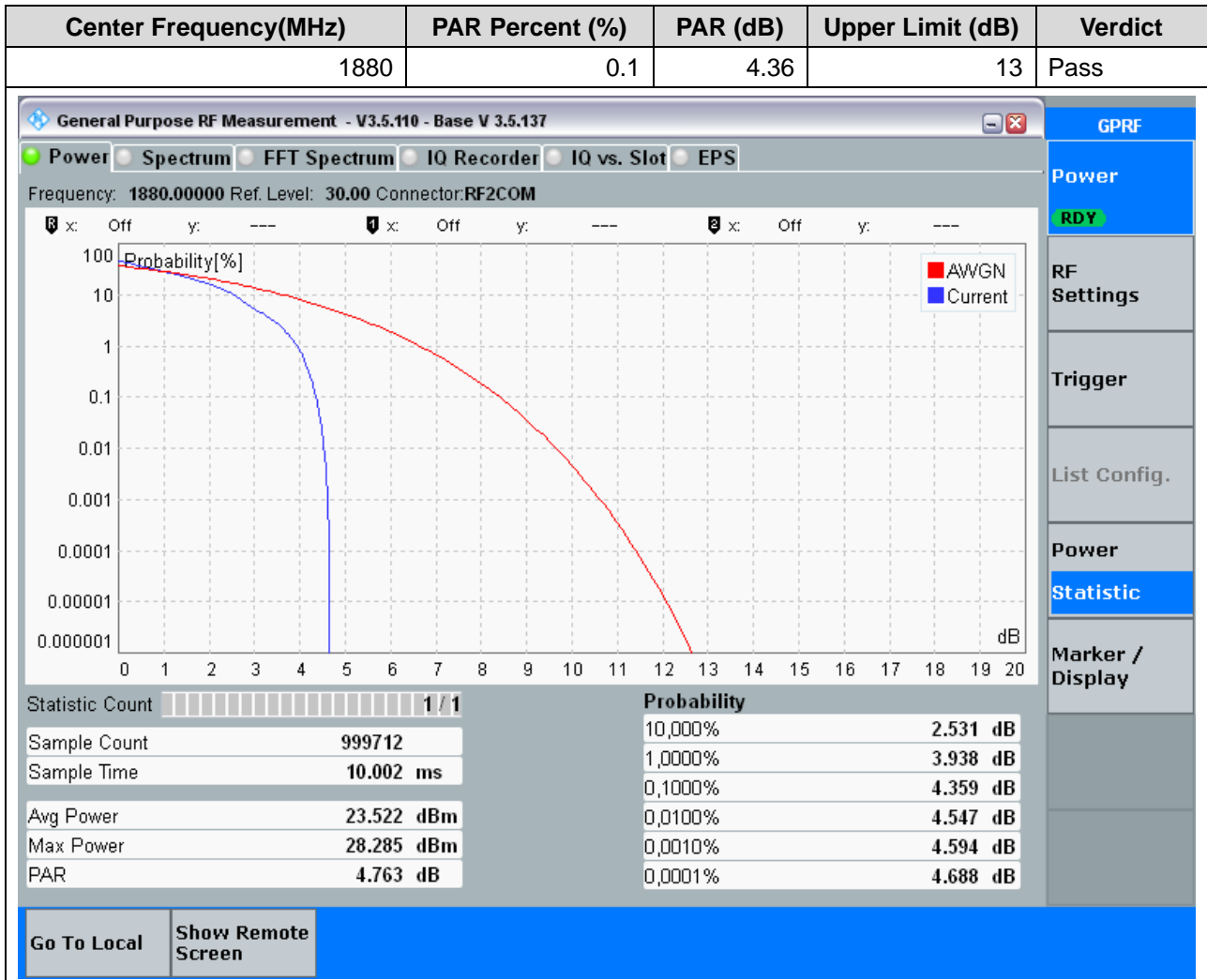
4.3. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:3, Channel:18700, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)



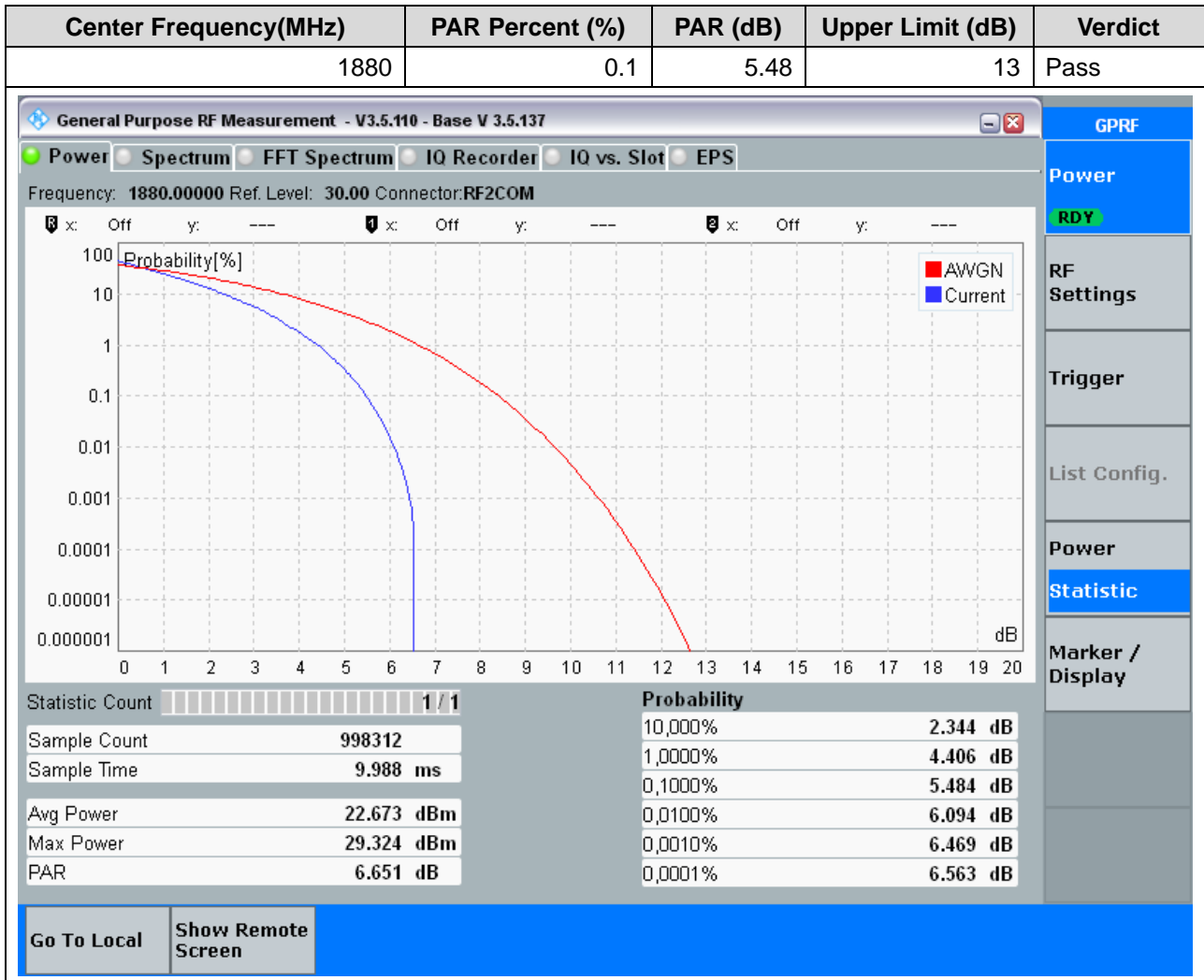
4.4. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:4, Channel:18700, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)



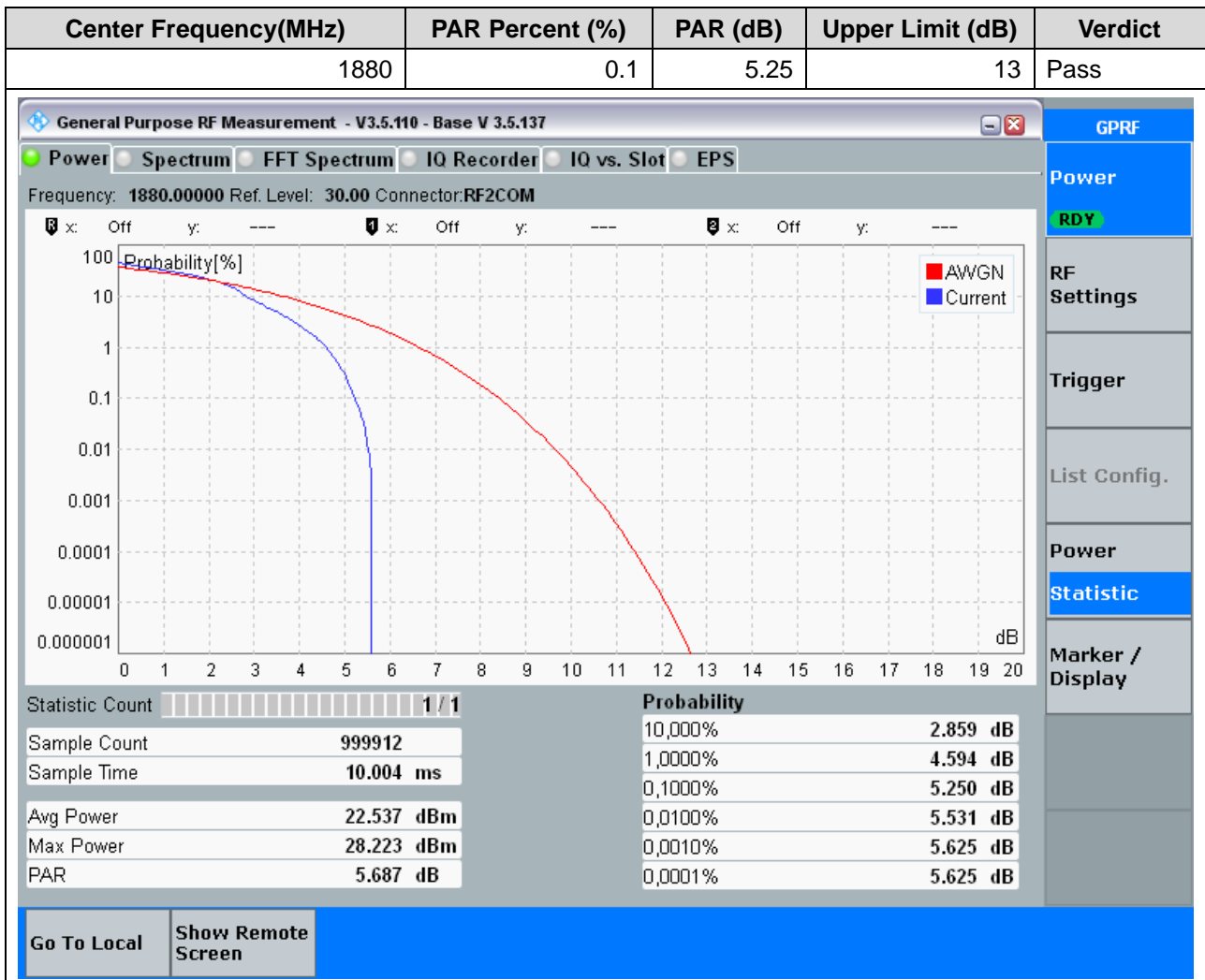
4.5. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:5, Channel:18900, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)



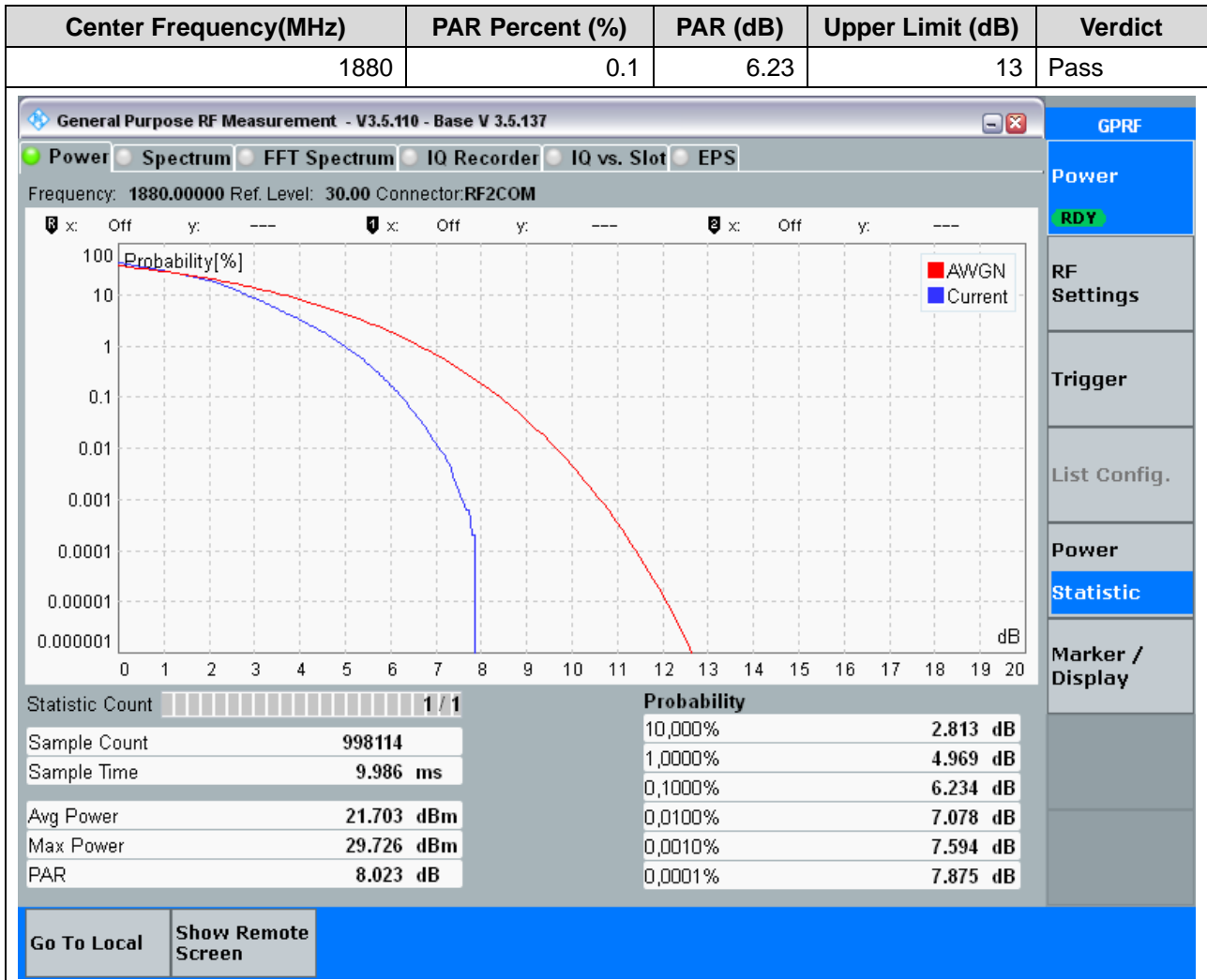
4.6. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:6, Channel:18900, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)



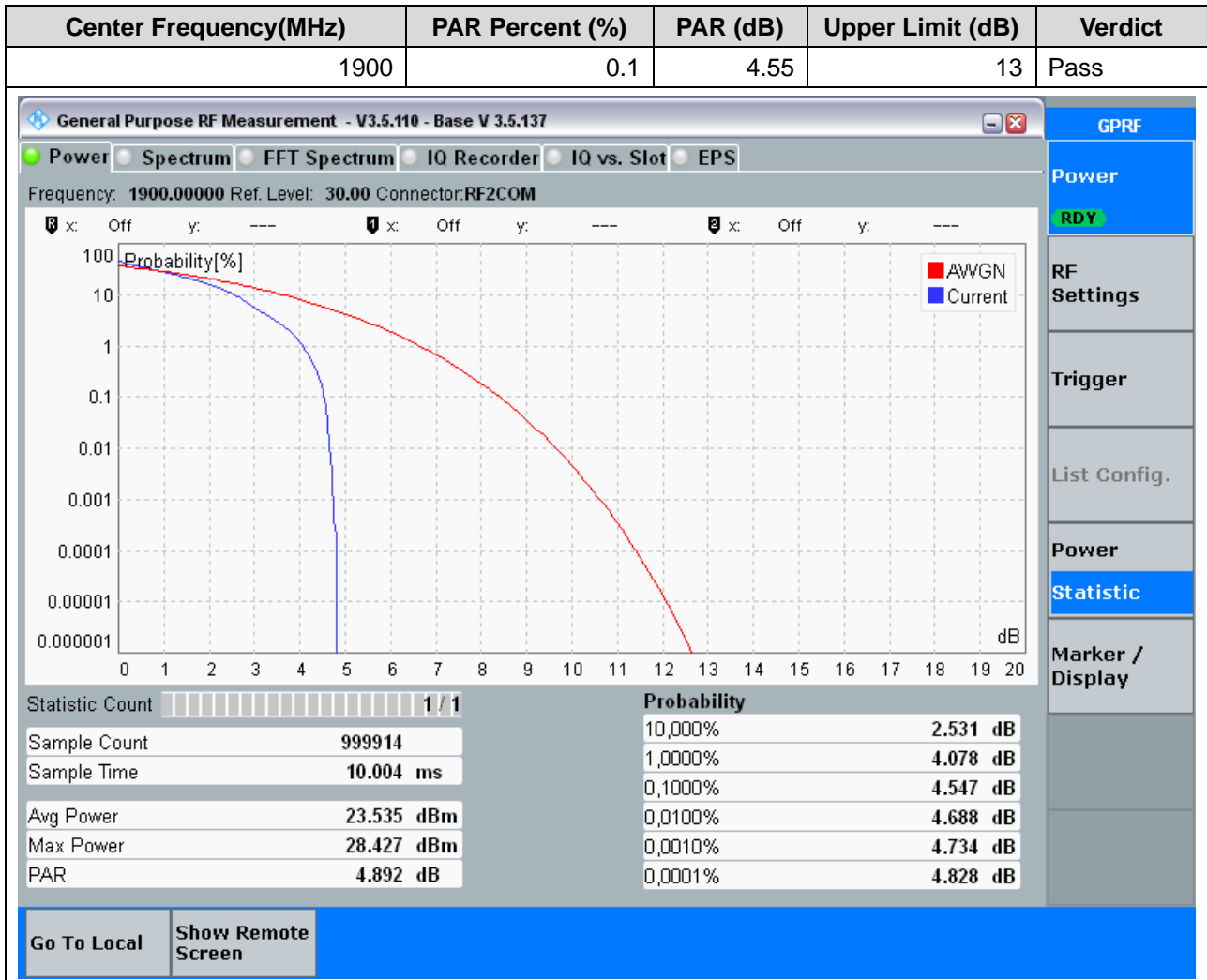
4.7. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:7, Channel:18900, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)



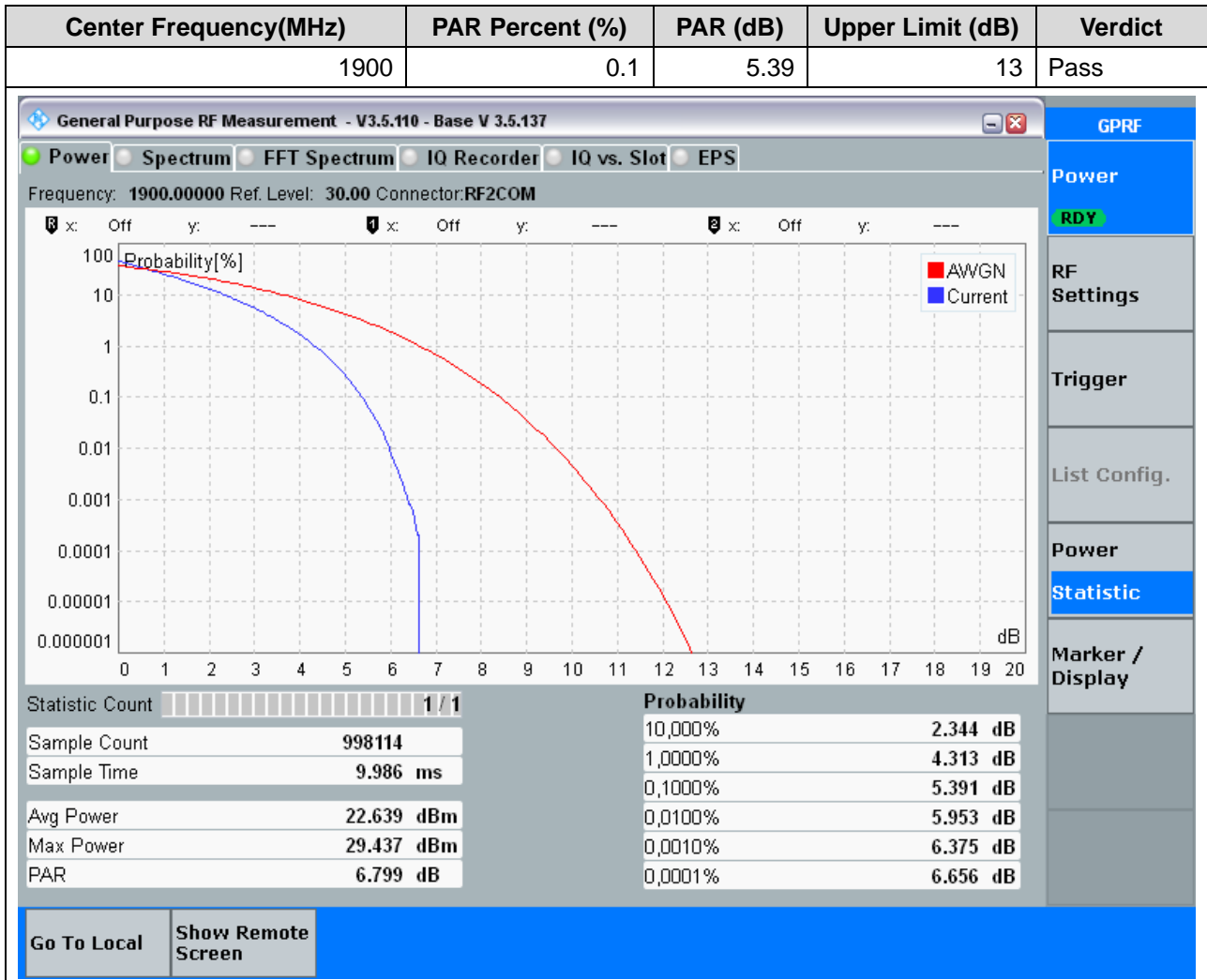
4.8. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:8, Channel:18900, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)



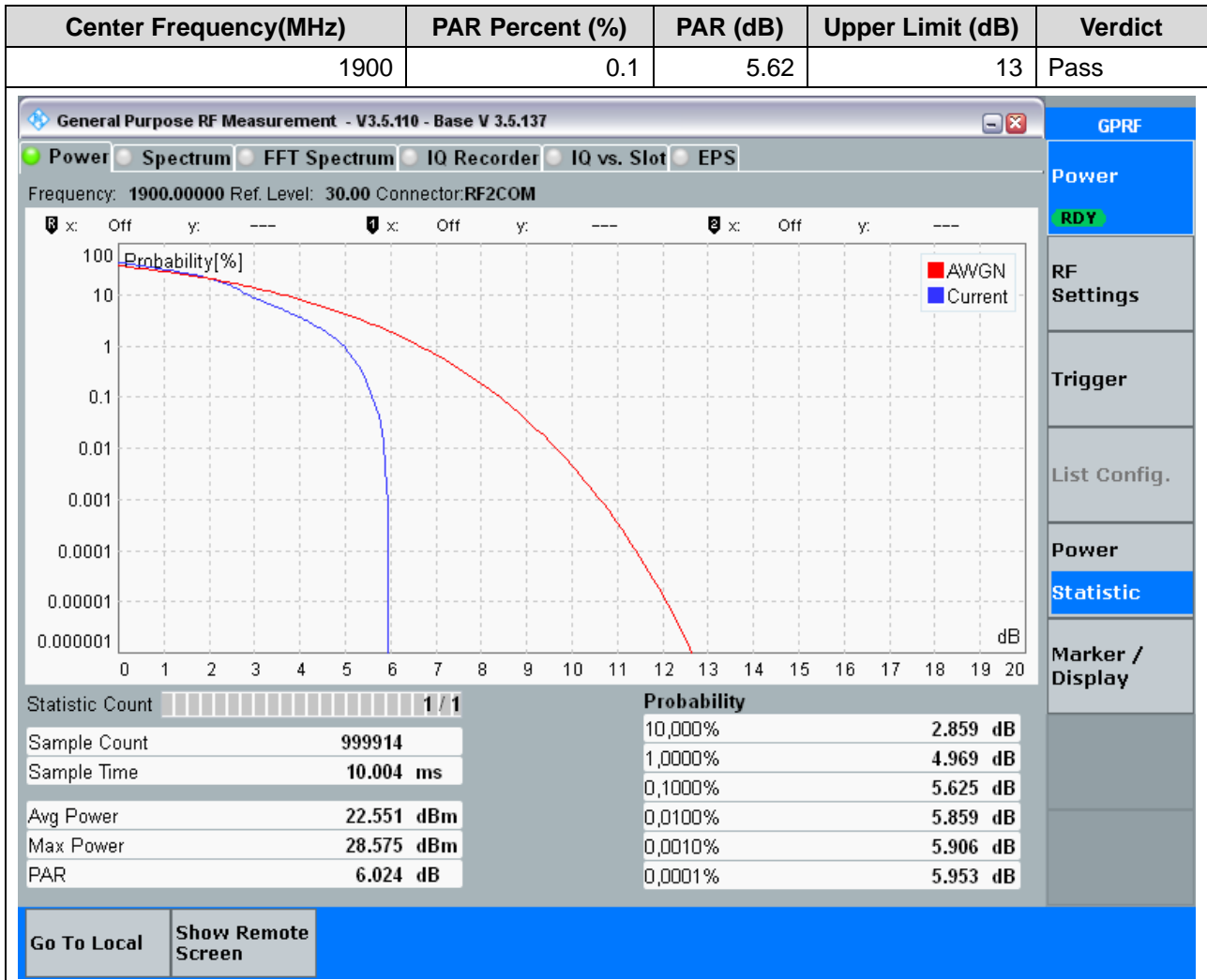
4.9. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:9, Channel:19100, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)



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



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



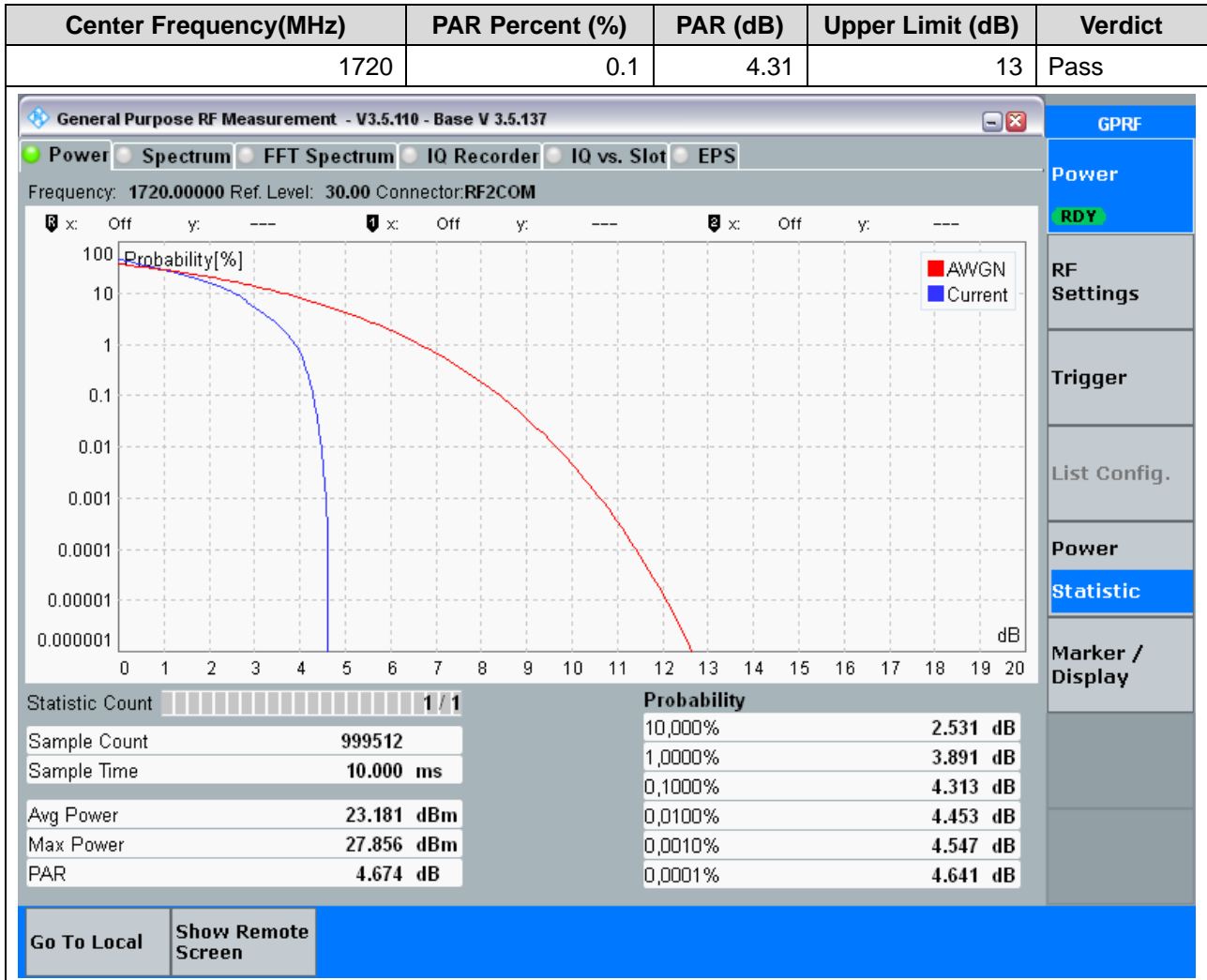
4.12. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:12, Channel:19100, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1900	0.1	6.14	13	Pass

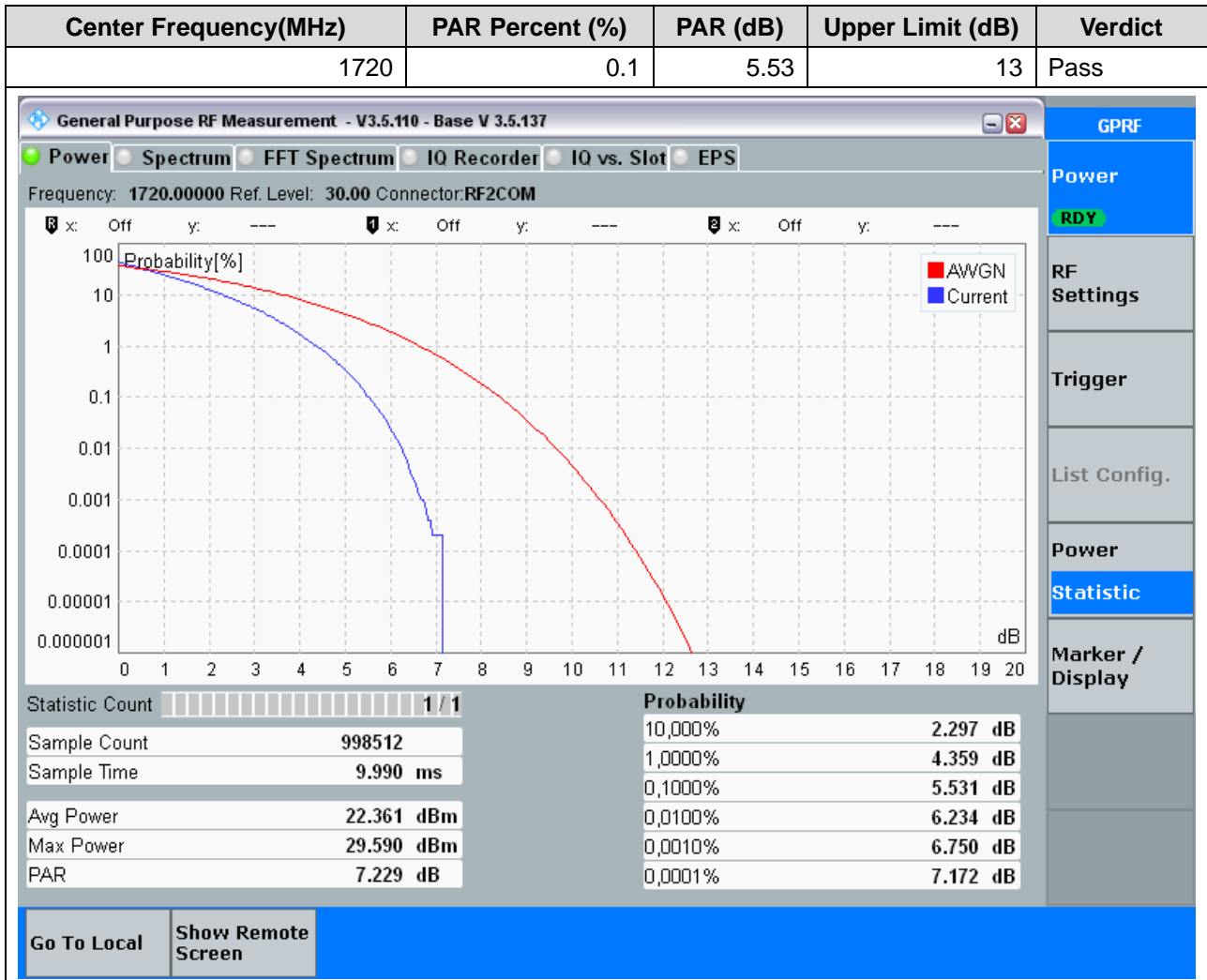
Statistic Count		Probability	
Sample Count	998114	10,000%	2.859 dB
Sample Time	9.986 ms	1,0000%	4.969 dB
Avg Power	21.632 dBm	0,1000%	6.141 dB
Max Power	29.348 dBm	0,0100%	6.797 dB
PAR	7.716 dB	0,0010%	7.219 dB
		0,0001%	7.594 dB

5. LTE_Band4

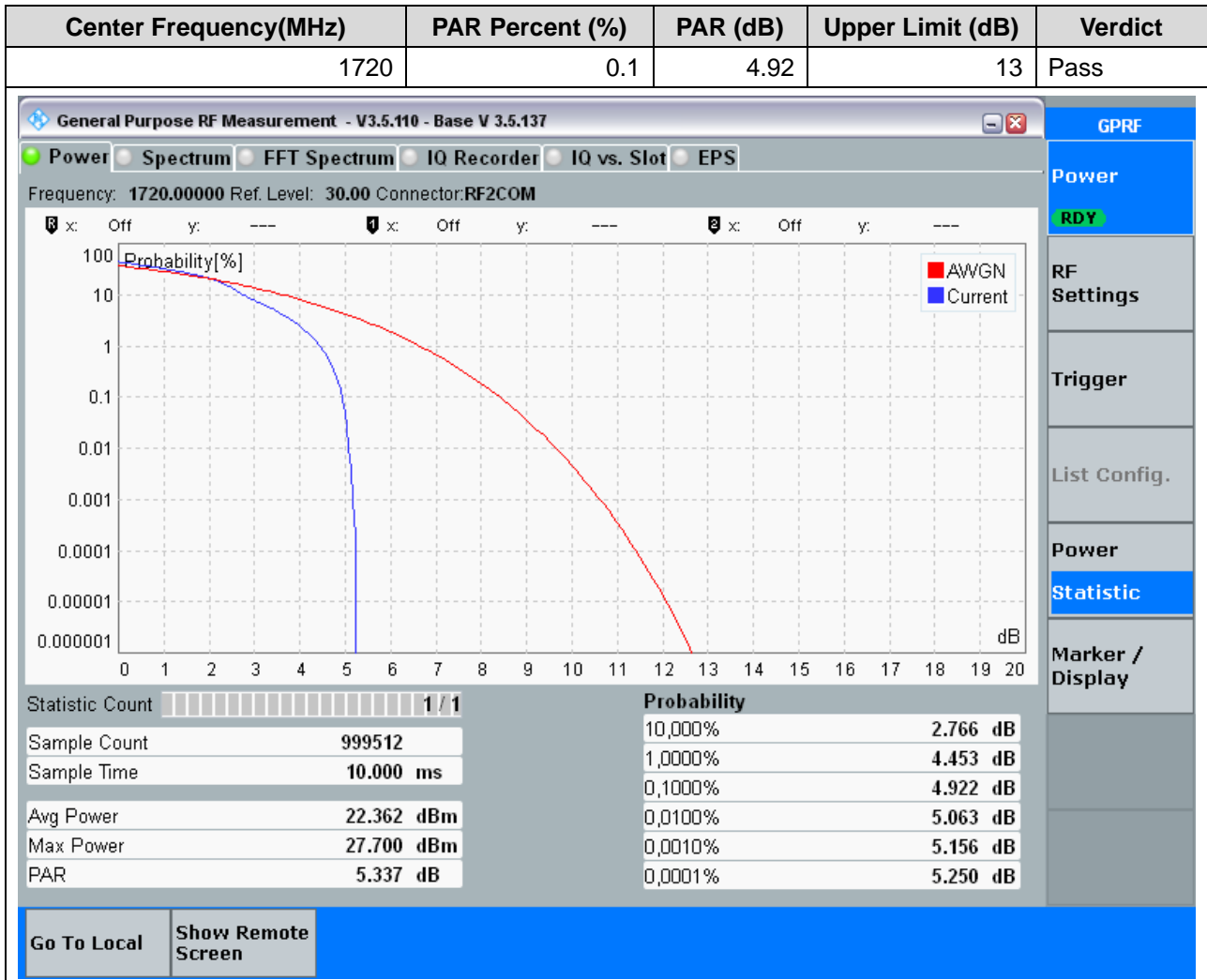
5.1. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:1, Channel:20050, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)



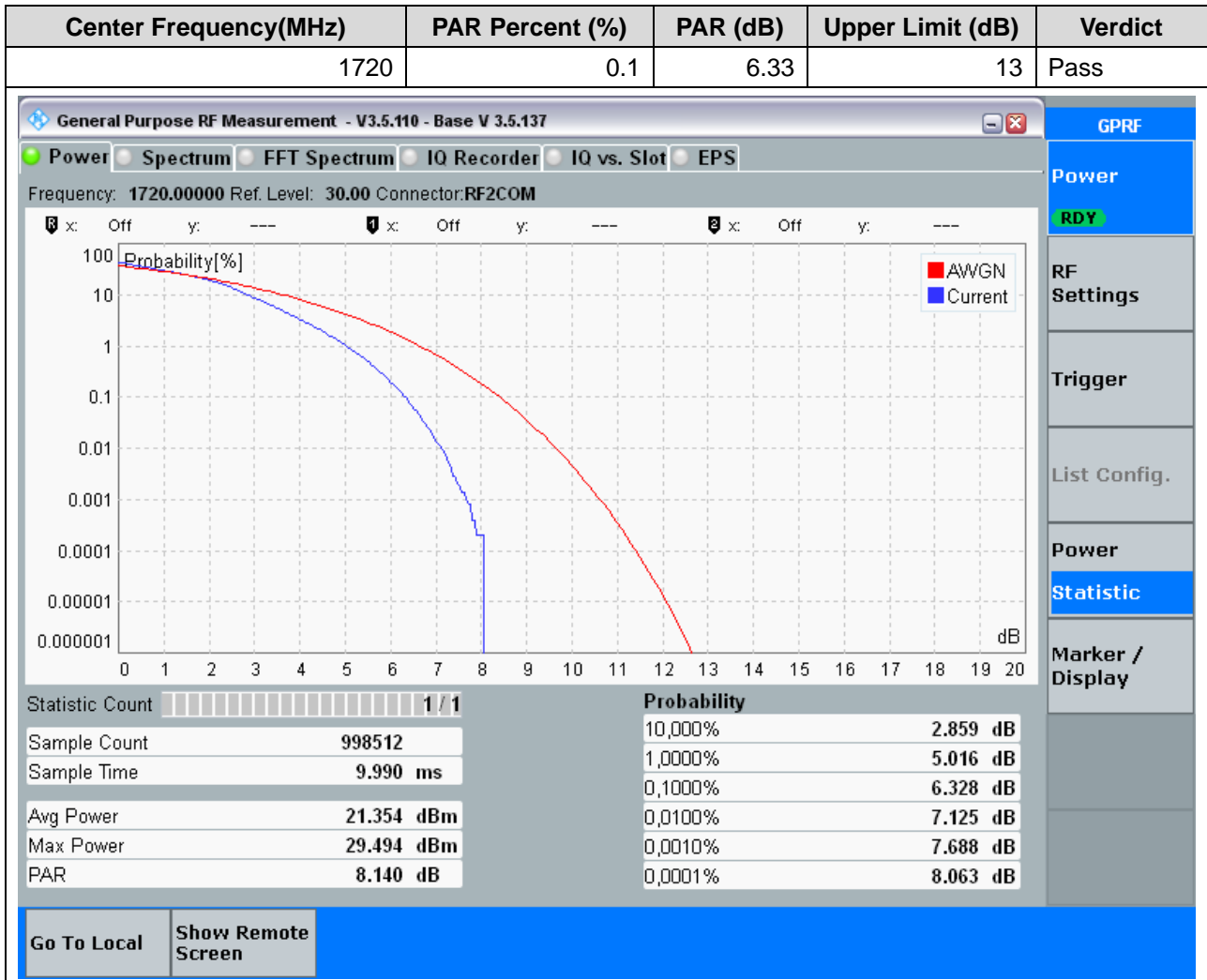
5.2. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:2, Channel:20050, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)



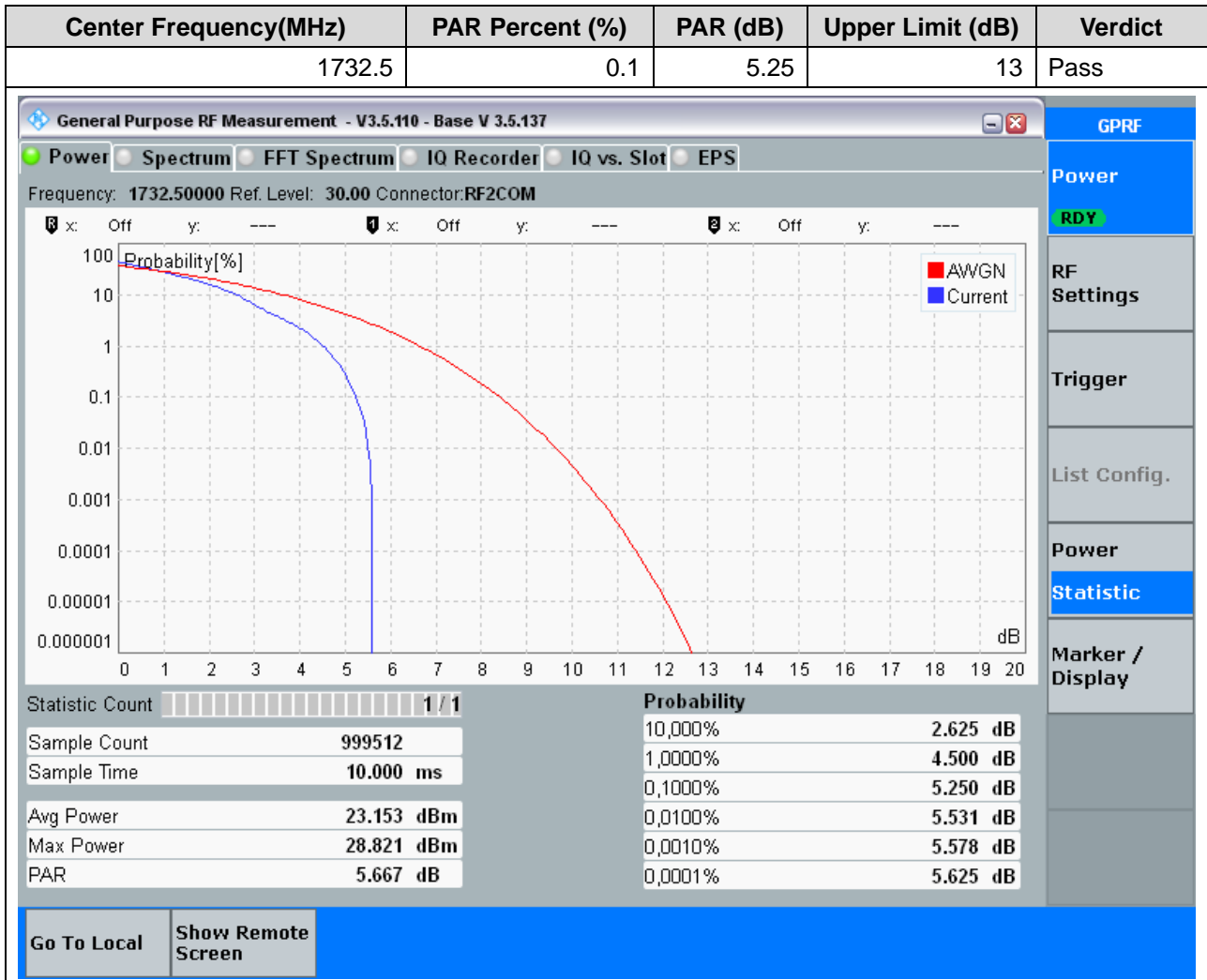
5.3. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:3, Channel:20050, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)



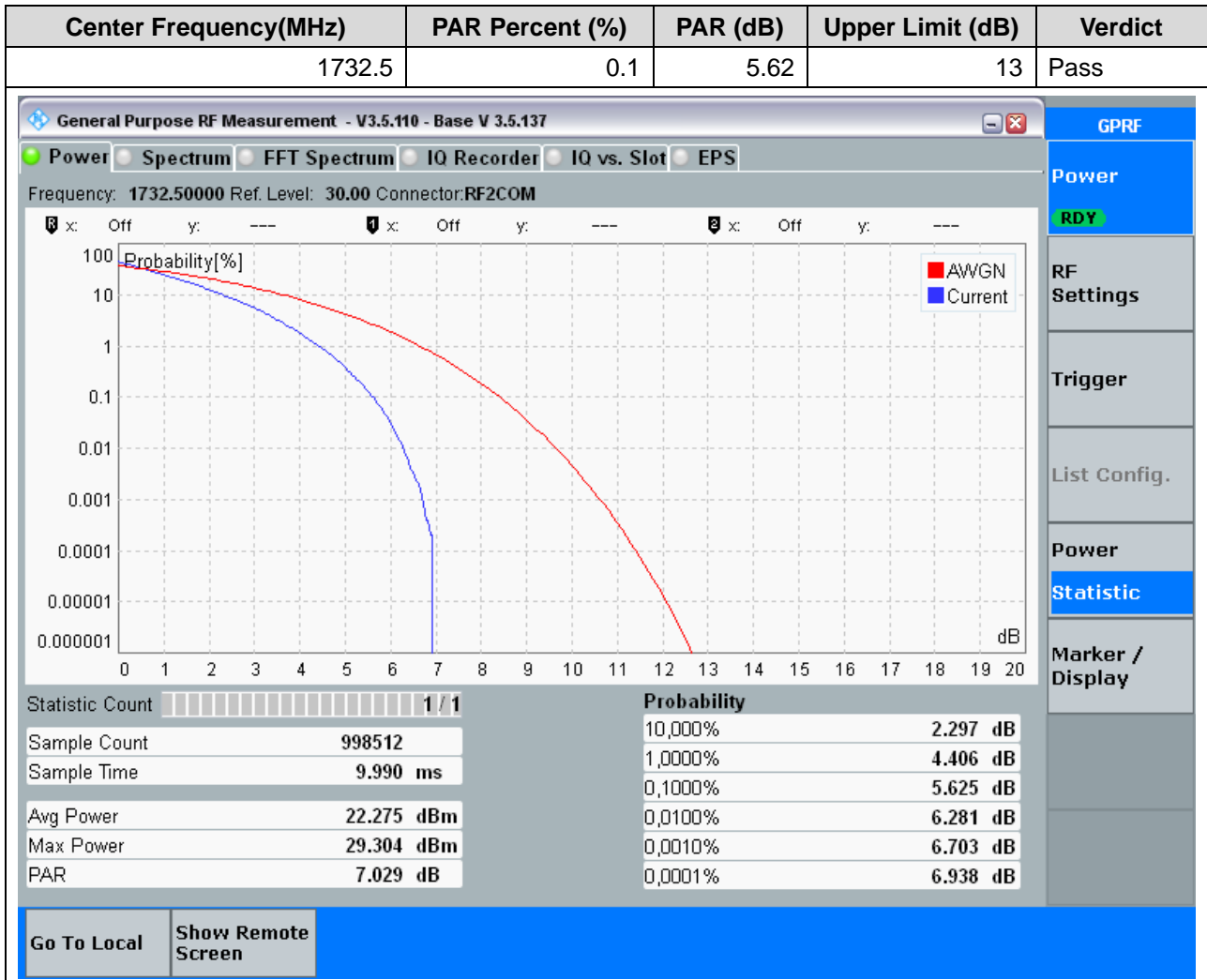
5.4. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:4, Channel:20050, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)



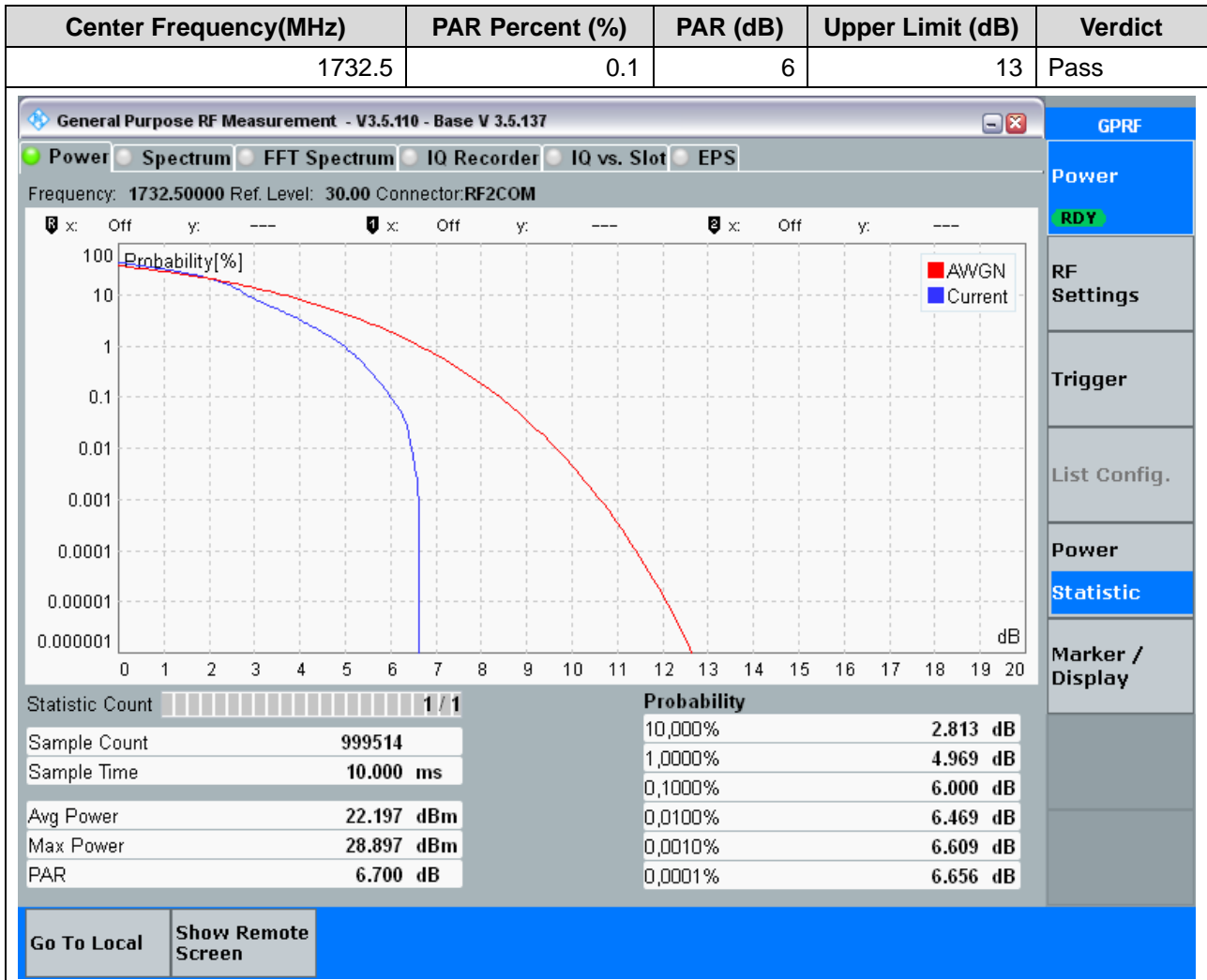
5.5. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:5, Channel:20175, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)



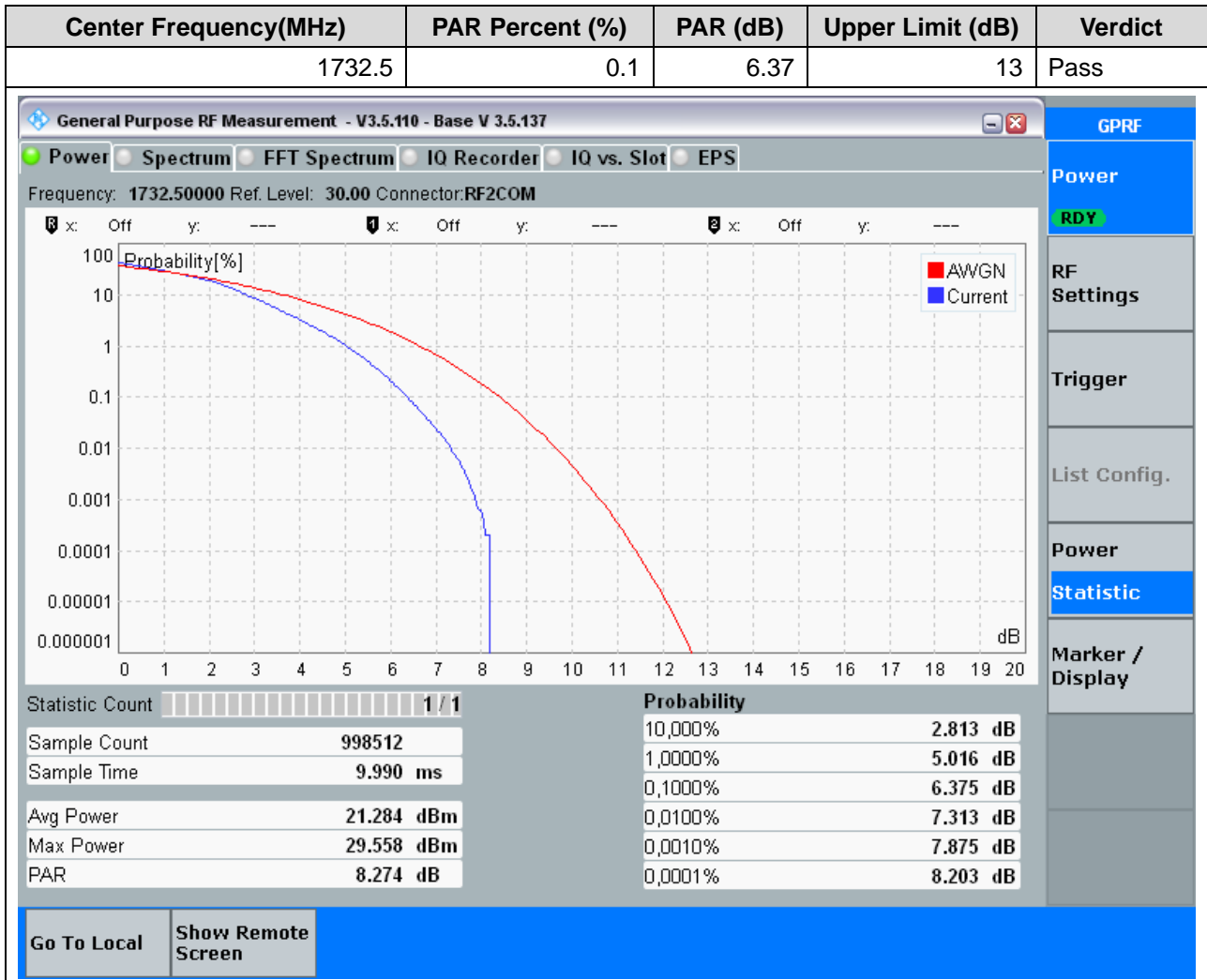
5.6. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:6, Channel:20175, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)



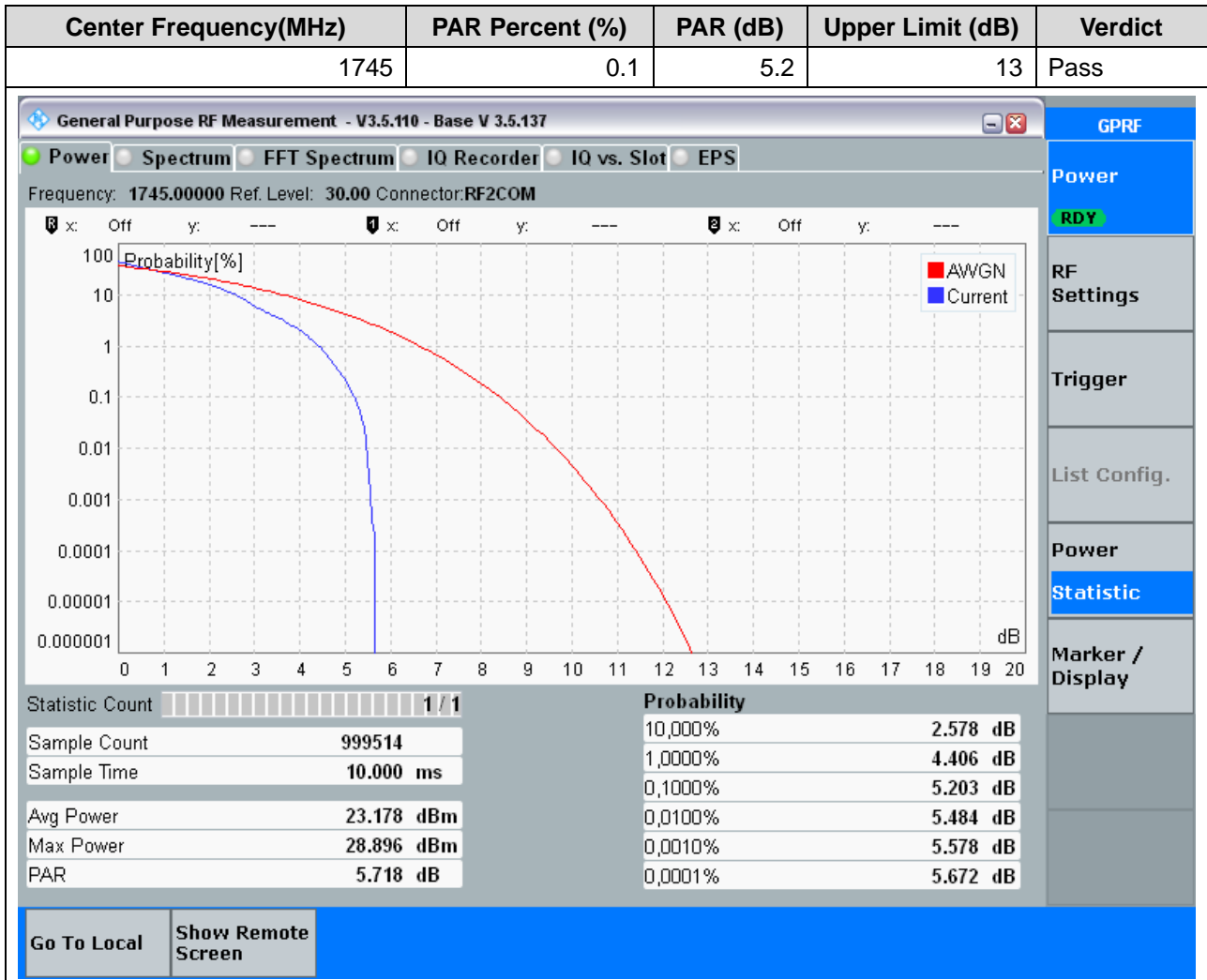
5.7. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:7, Channel:20175, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)



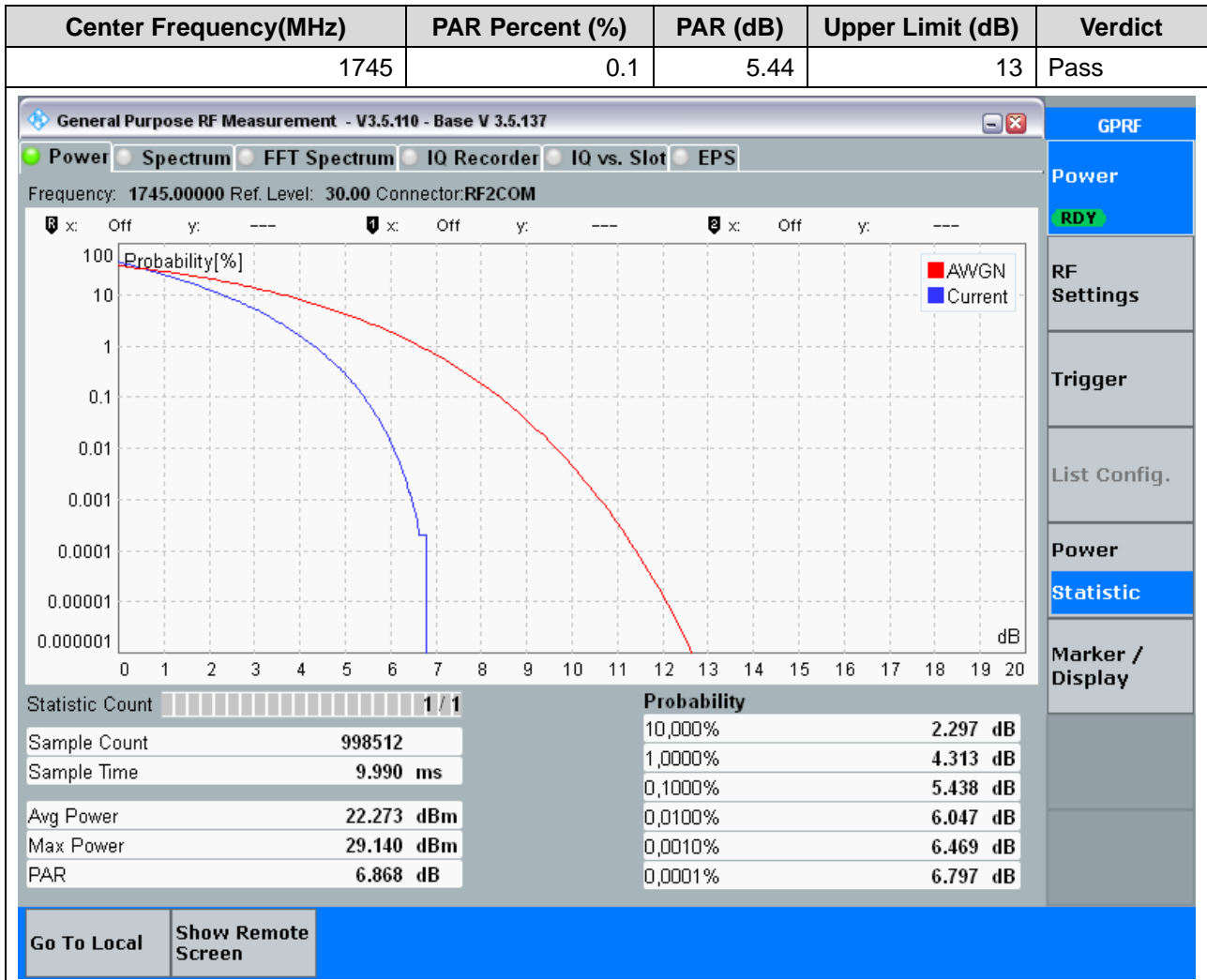
5.8. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:8, Channel:20175, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)



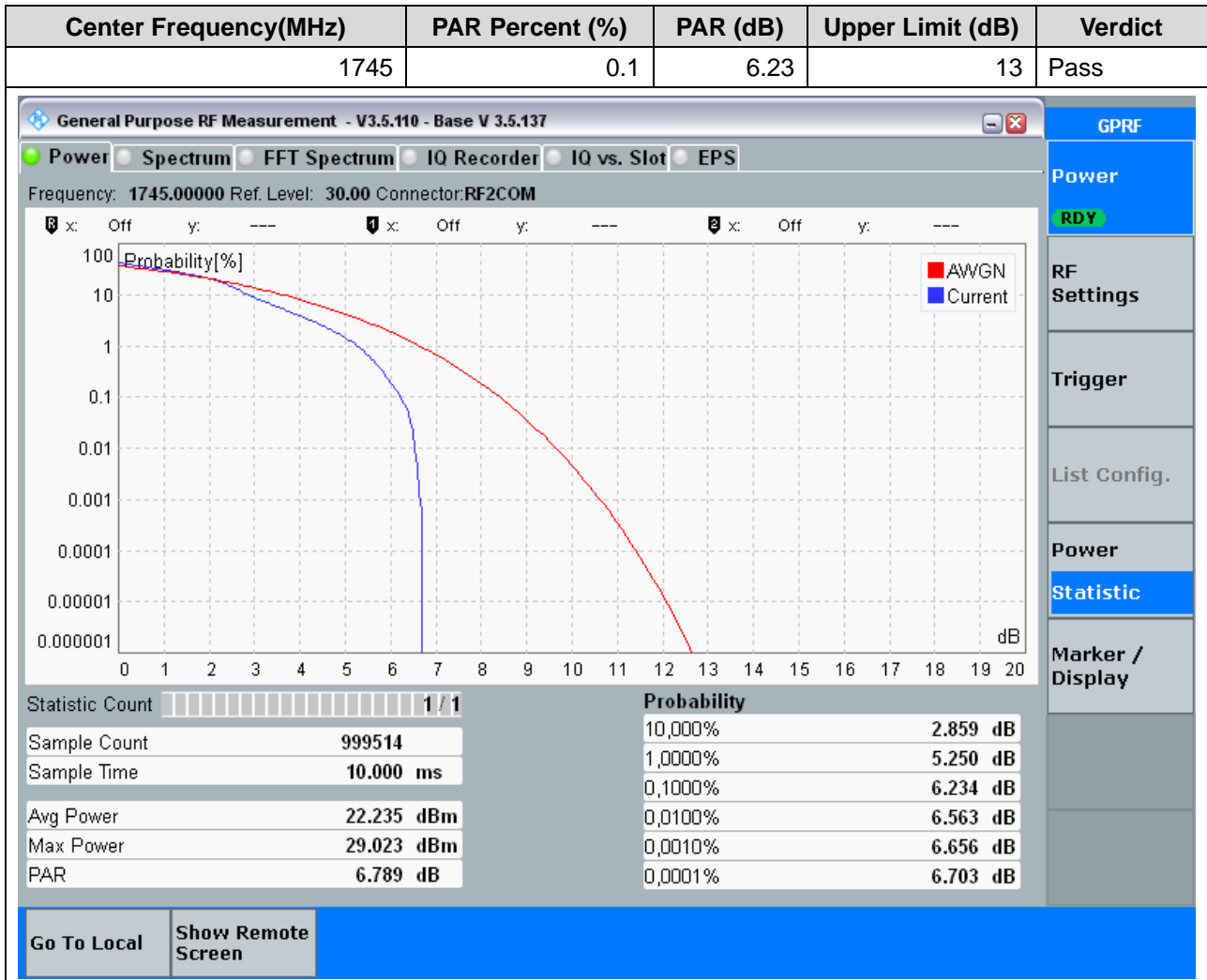
5.9. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:9, Channel:20300, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)



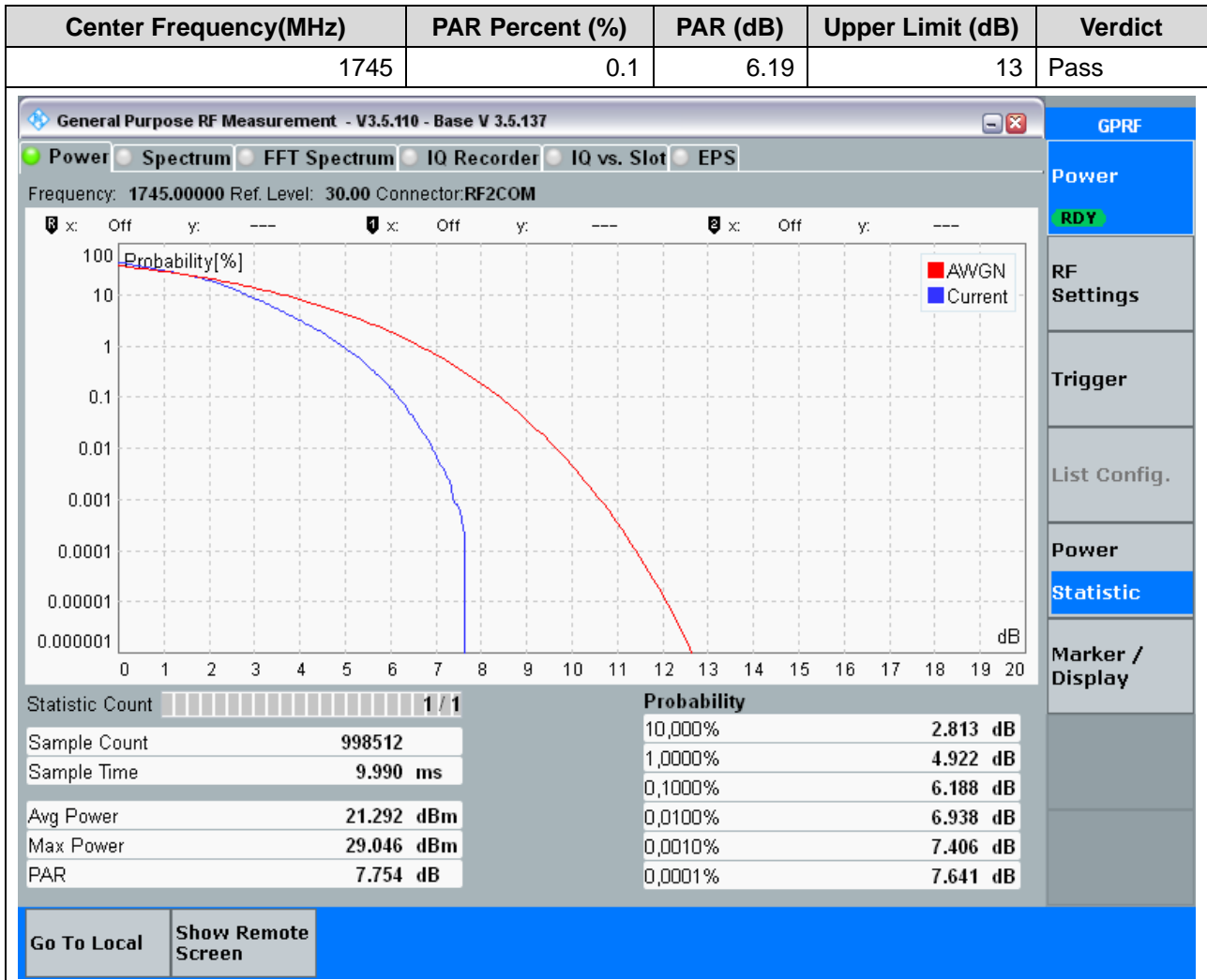
5.10. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:10, Channel:20300, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)



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

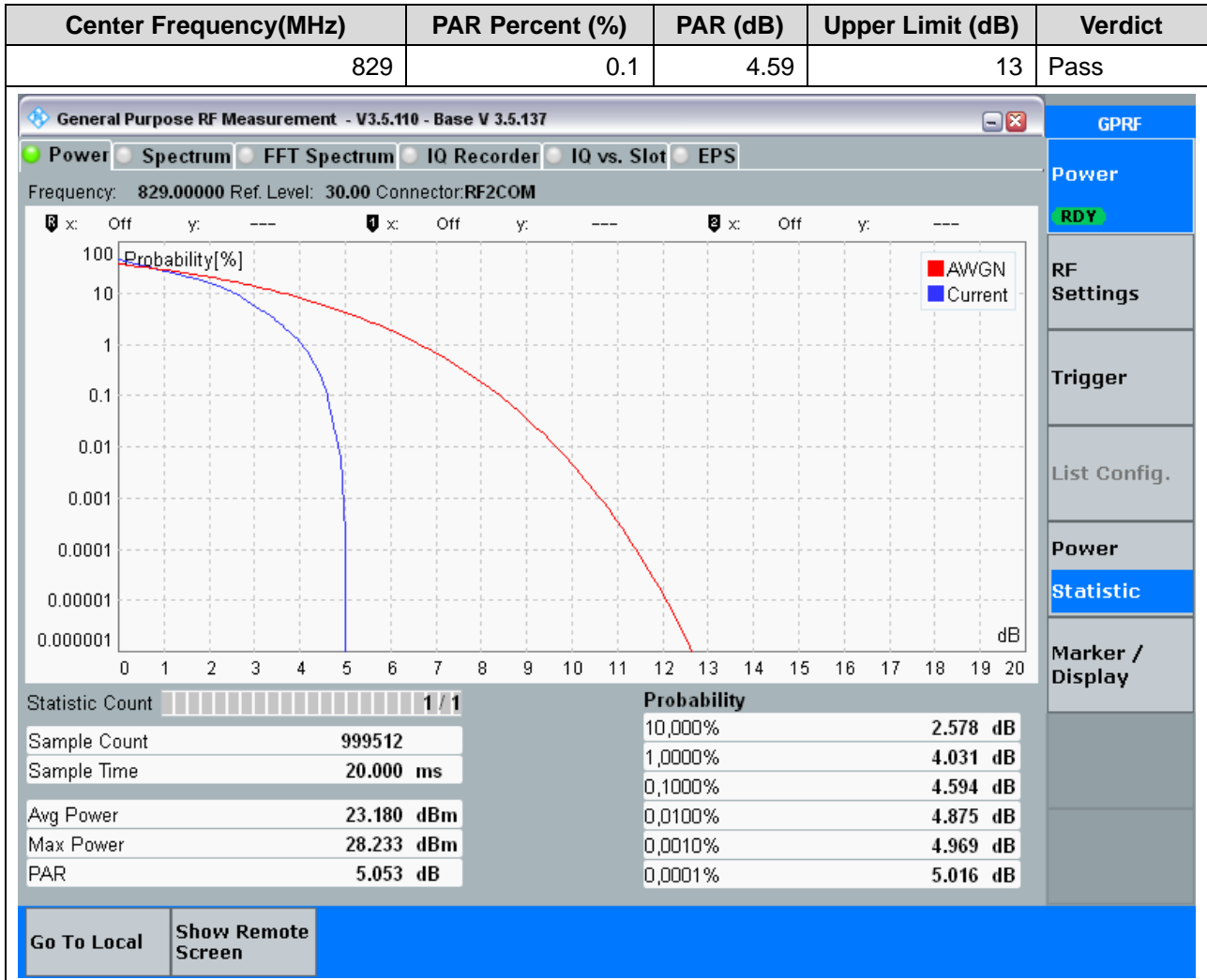


5.12. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:12, Channel:20300, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)

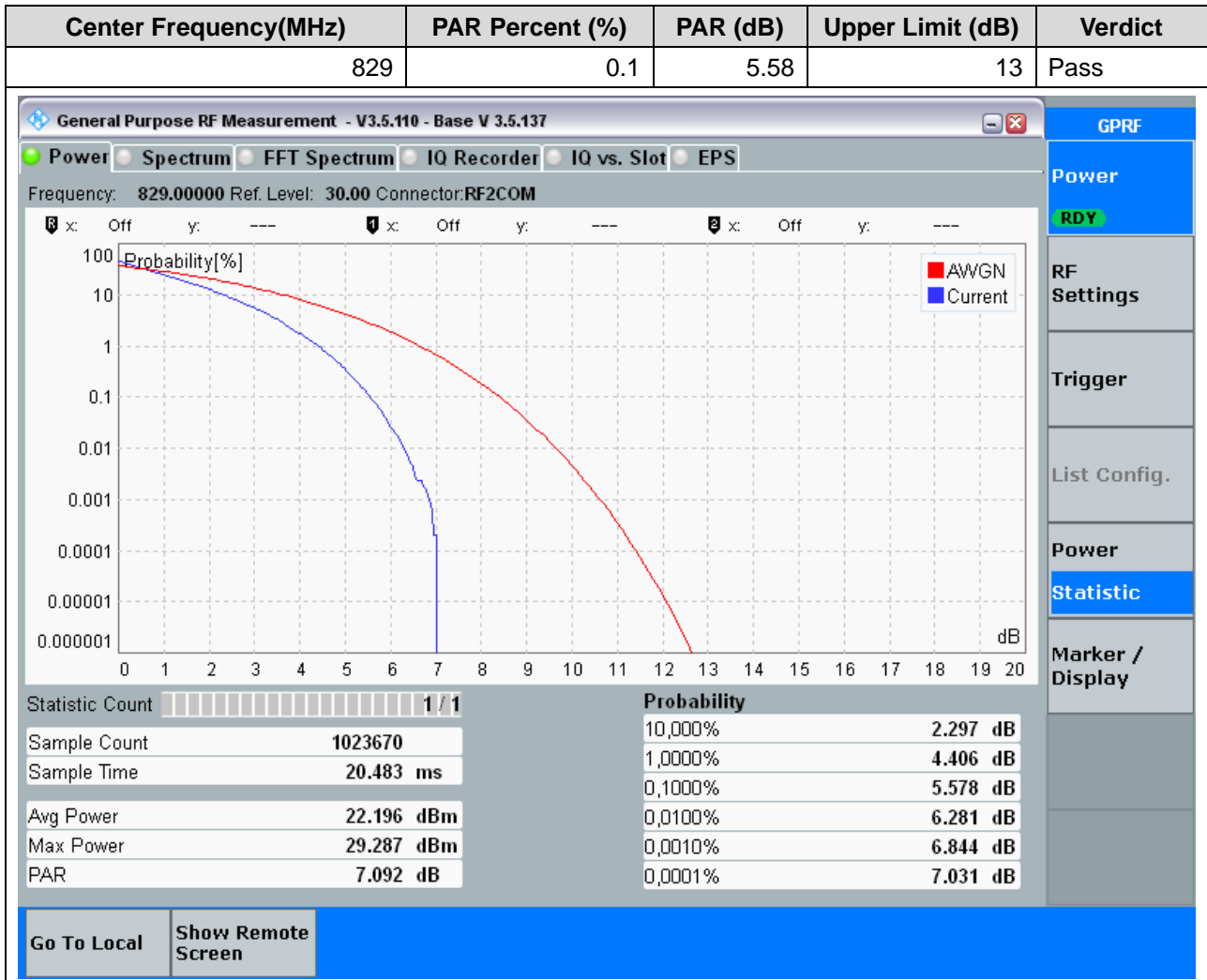


6. LTE_Band5

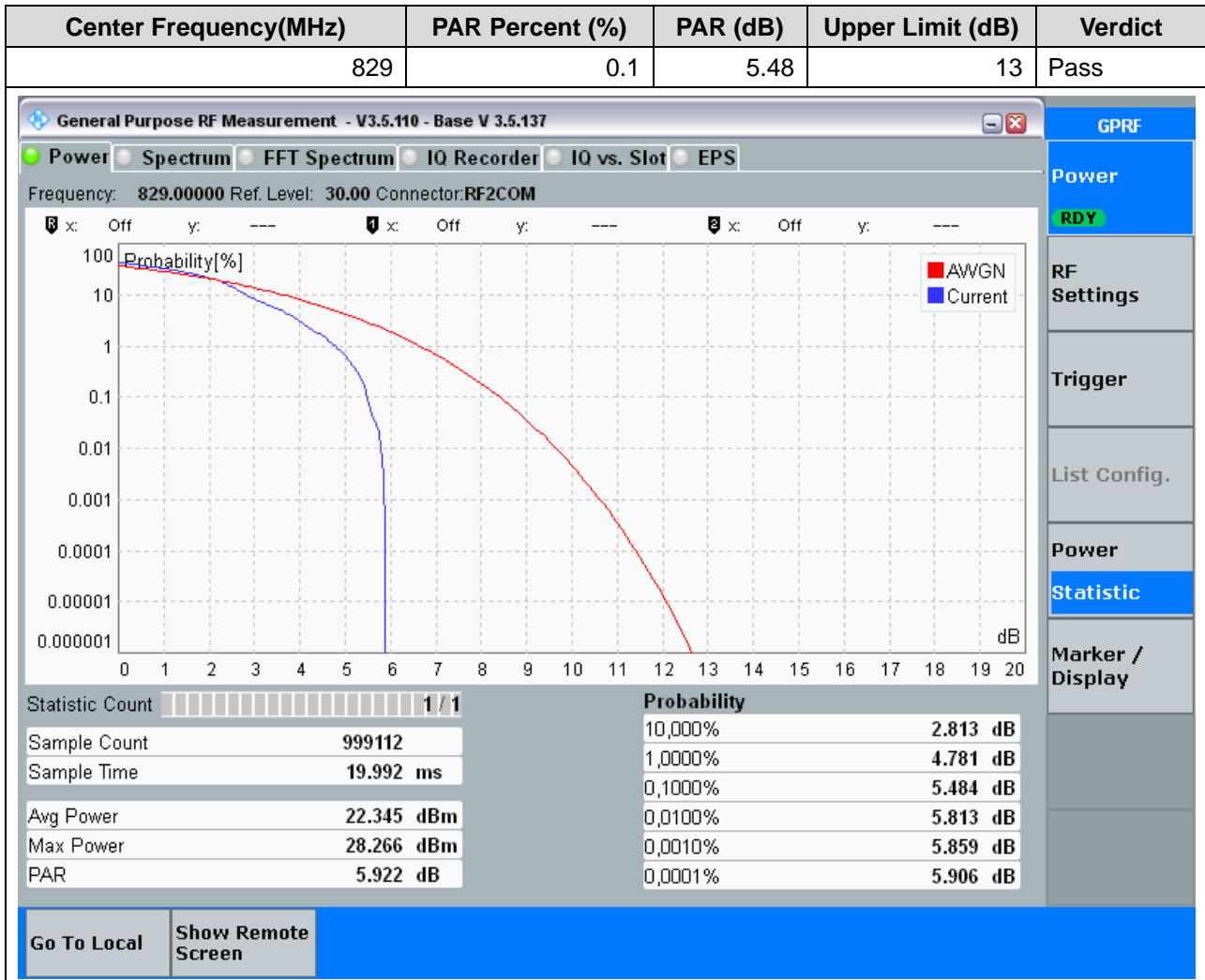
6.1. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:1, Channel:20450, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)



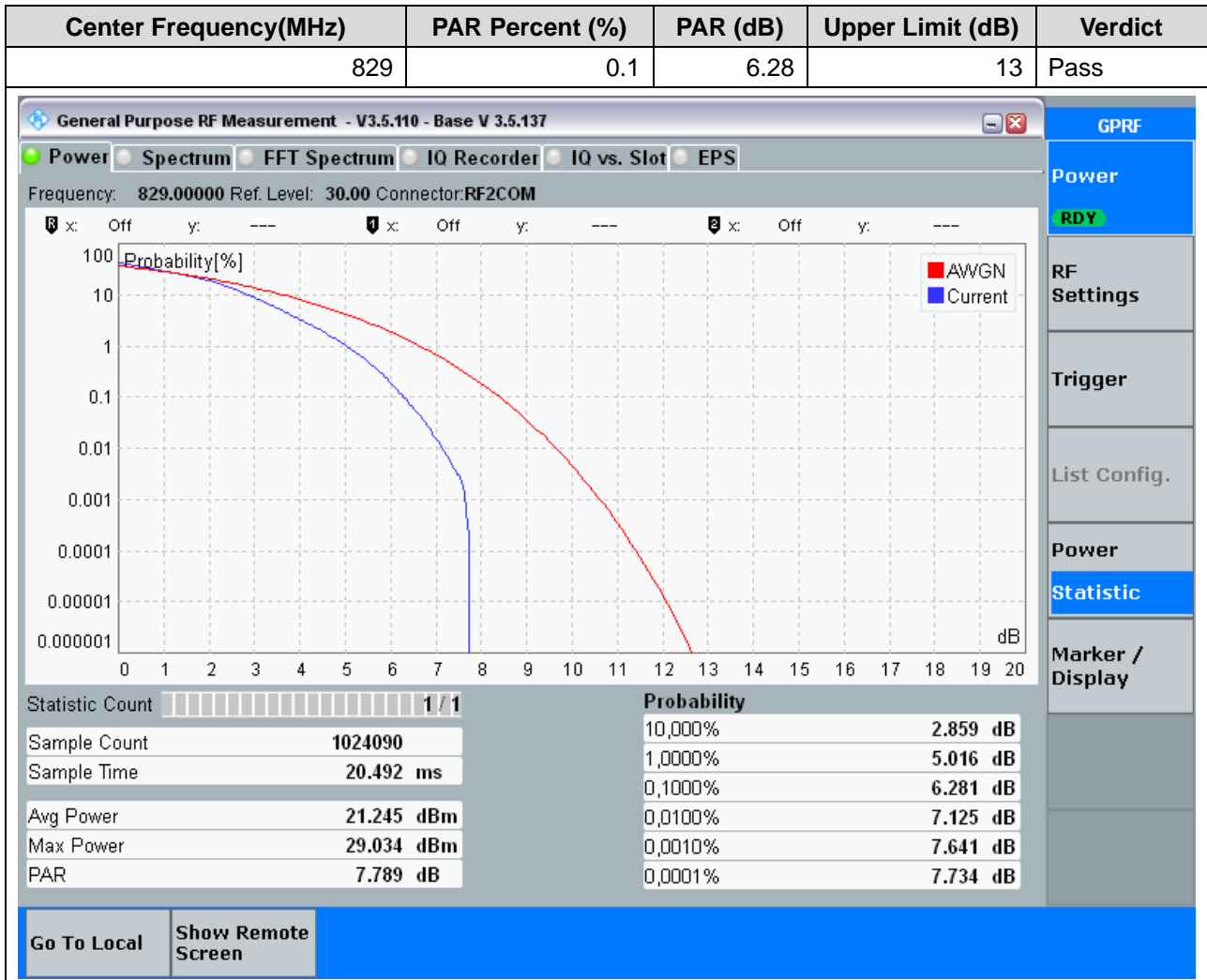
6.2. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:2, Channel:20450, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)



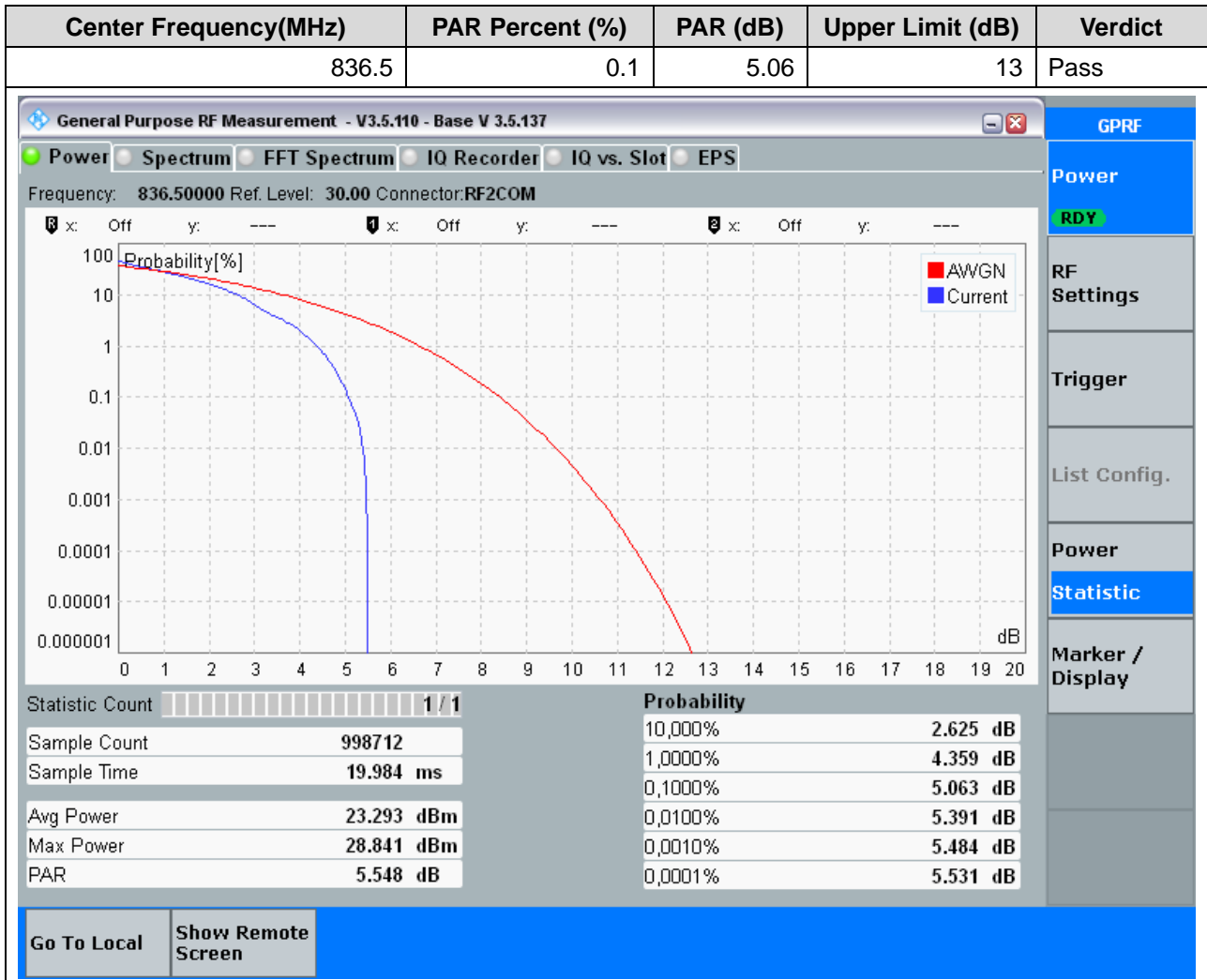
6.3. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:3, Channel:20450, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:LOW)



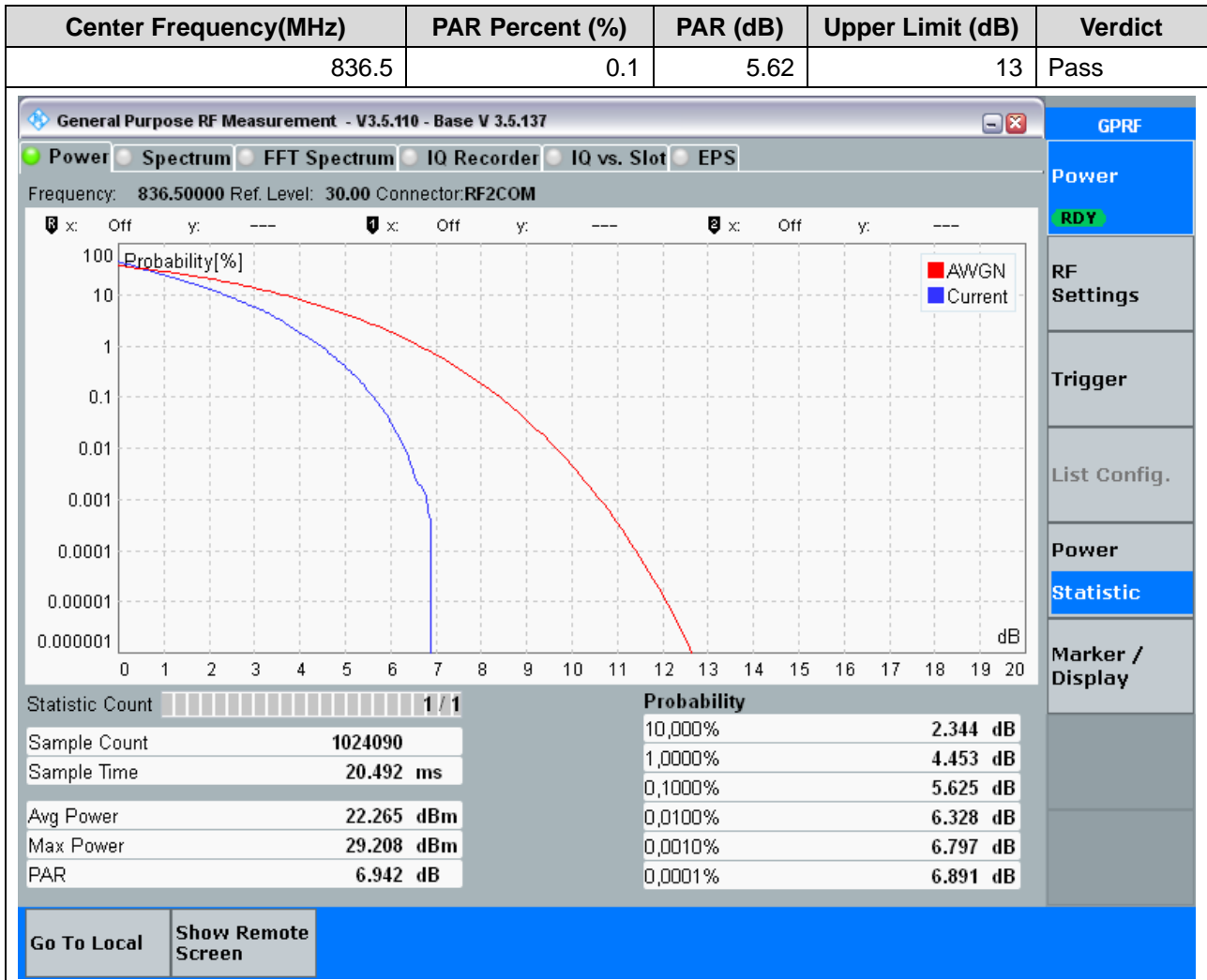
6.4. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:4, Channel:20450, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)



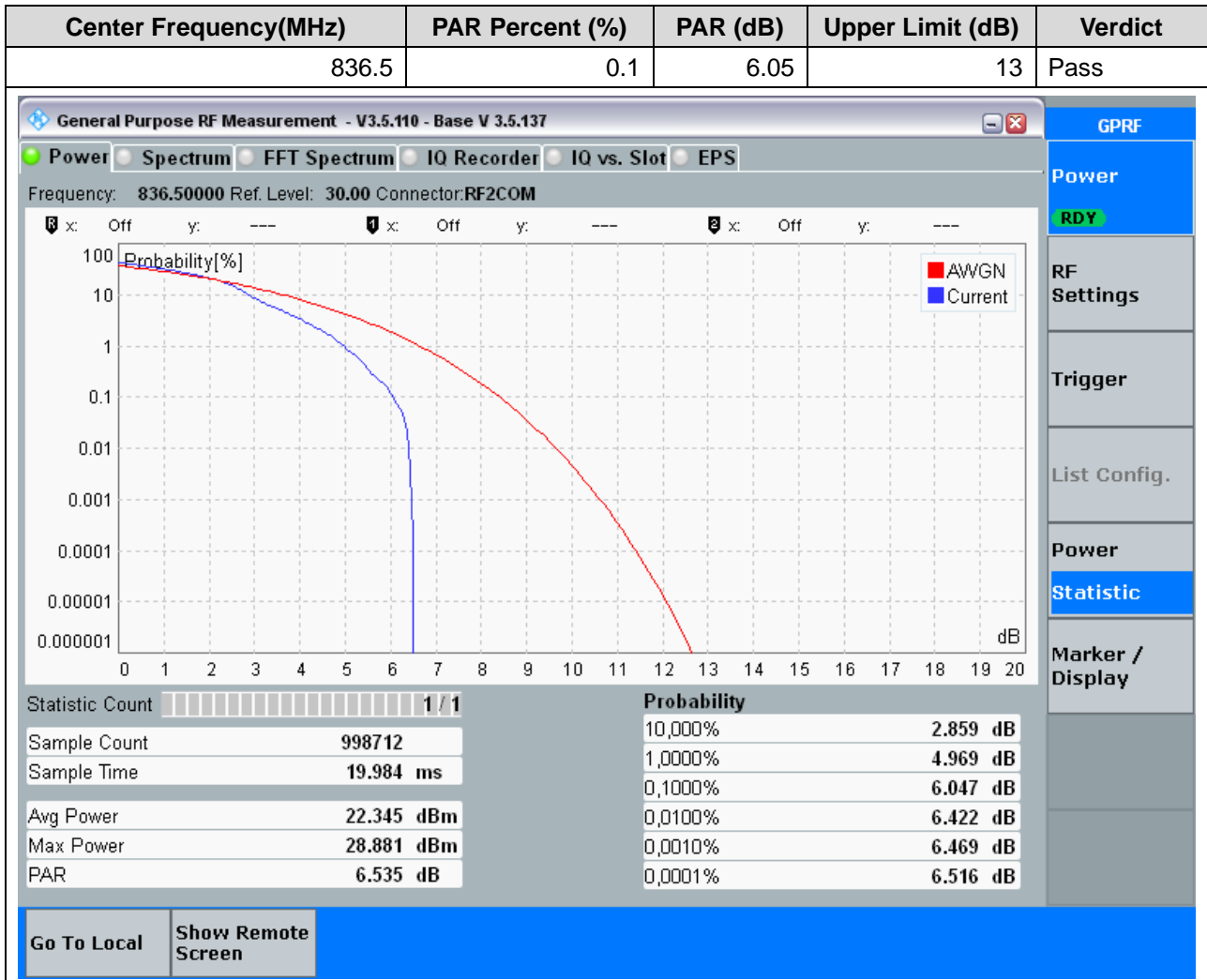
6.5. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:5, Channel:20525, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)



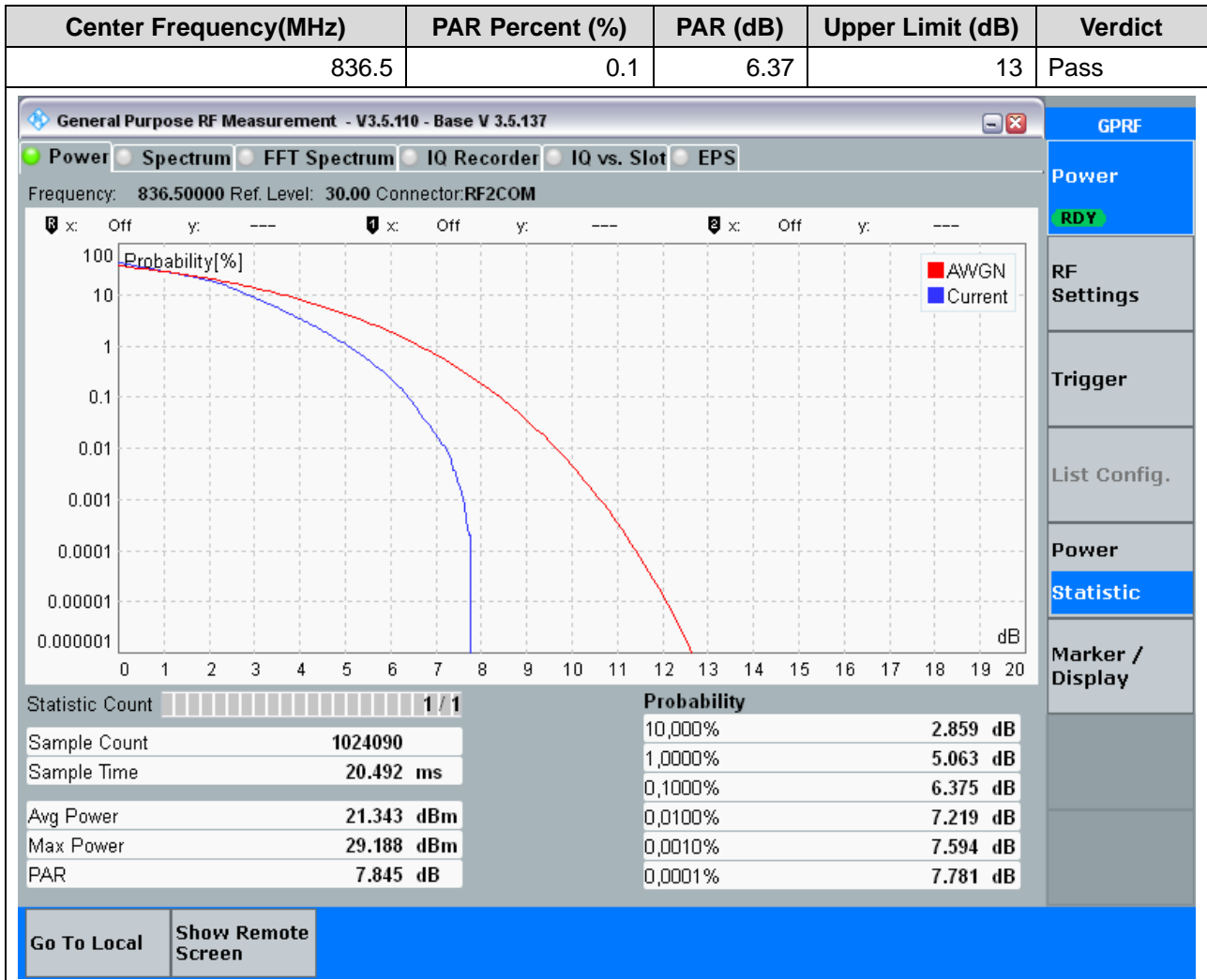
6.6. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:6, Channel:20525, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)



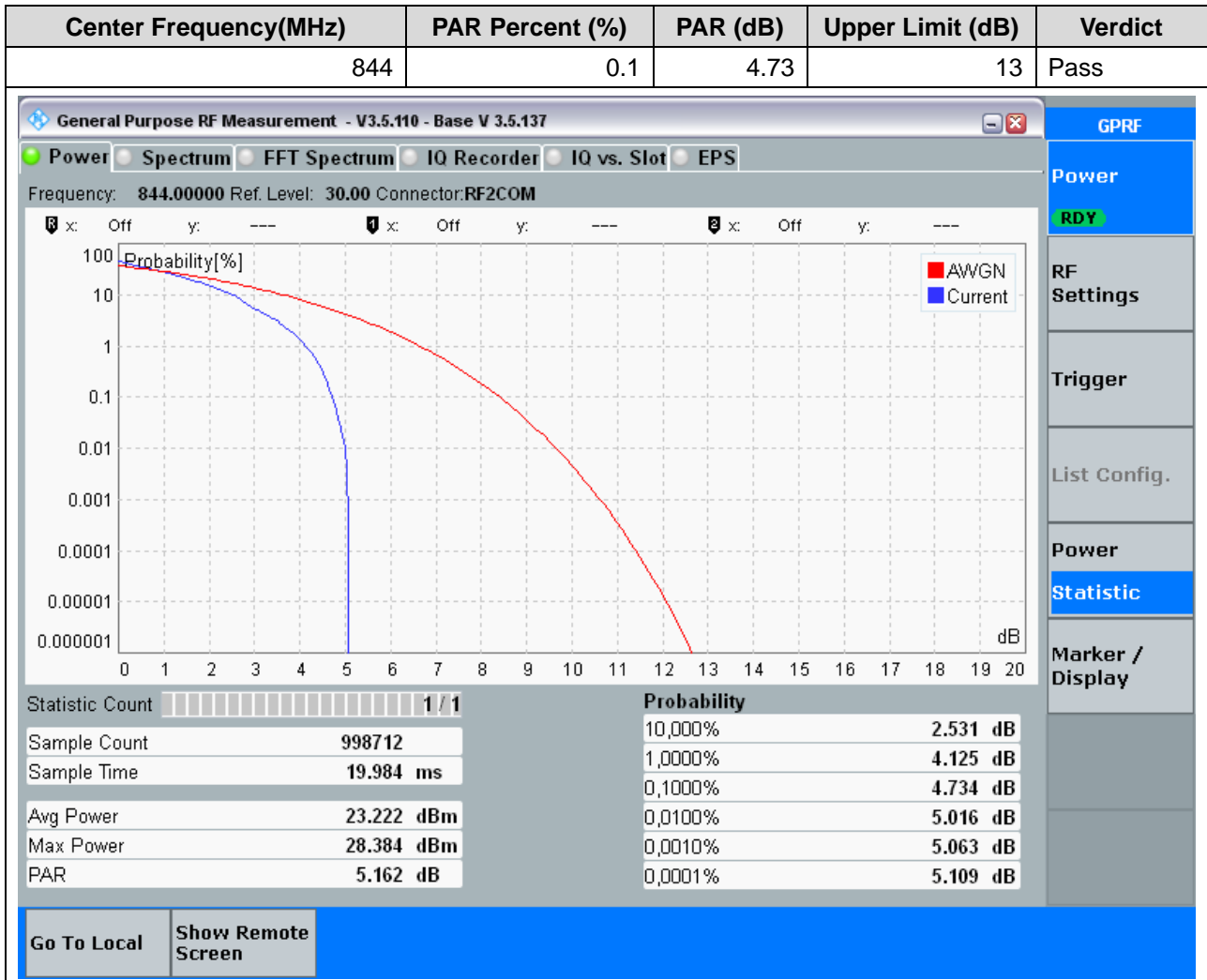
6.7. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:7, Channel:20525, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:LOW)



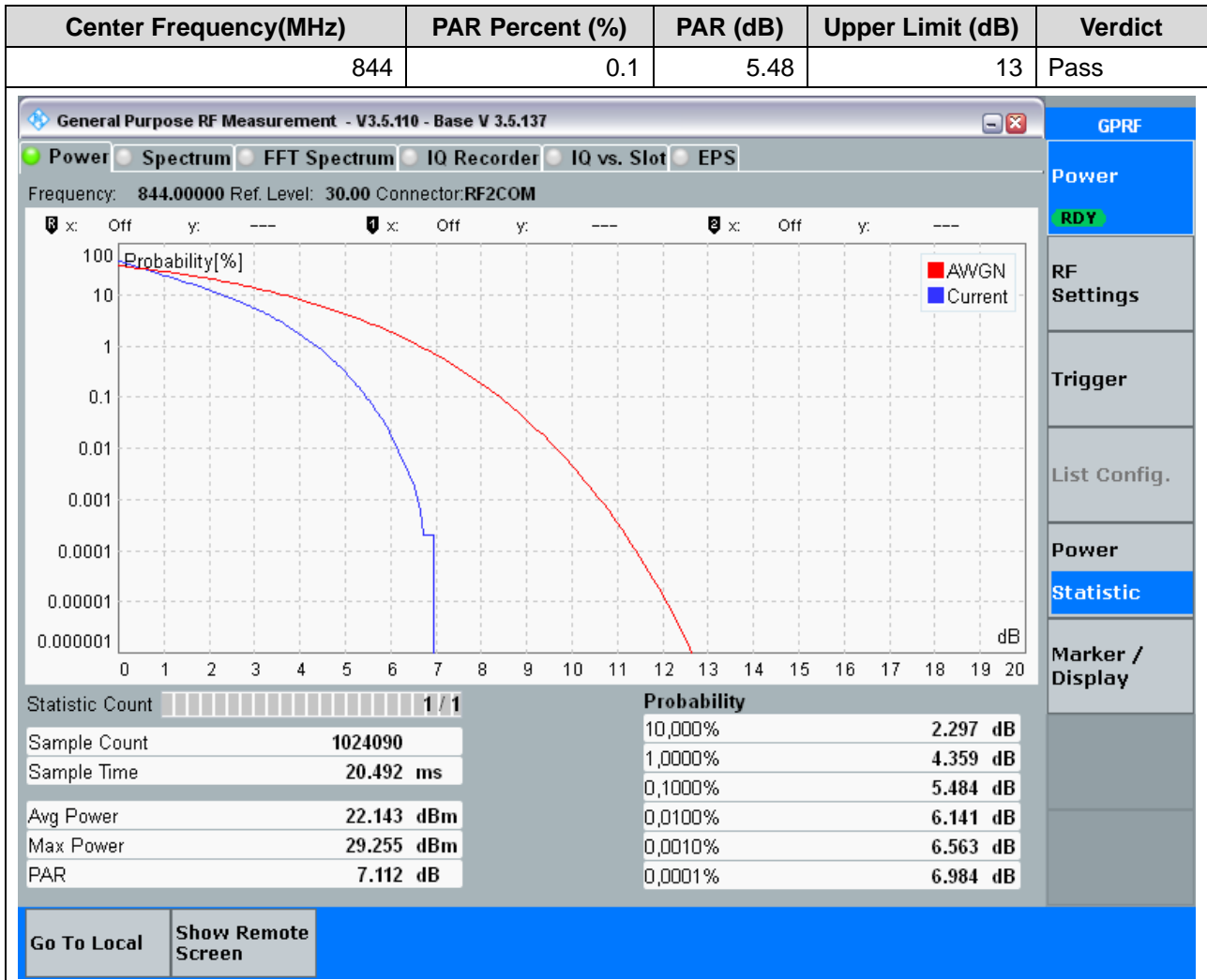
6.8. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:8, Channel:20525, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)



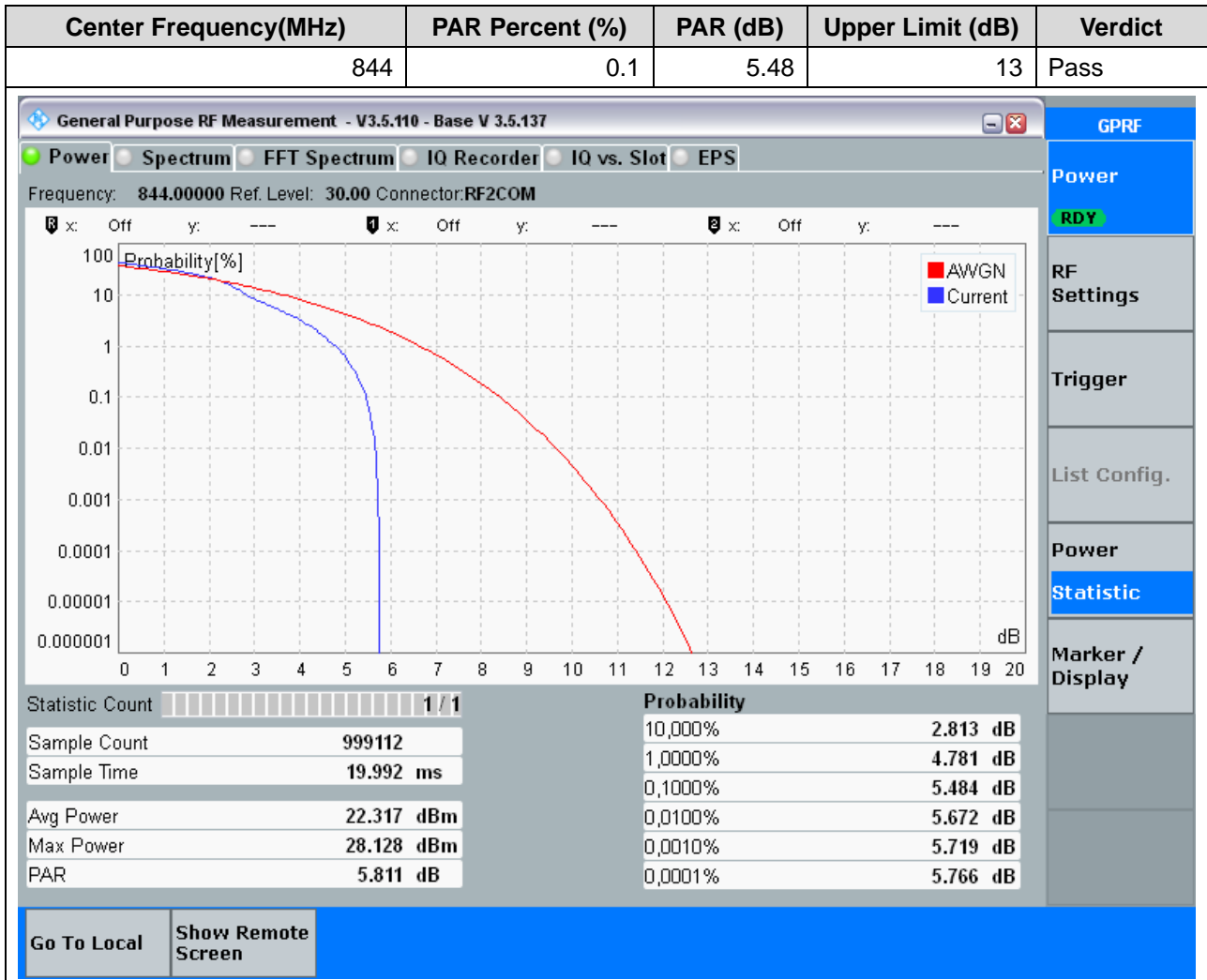
6.9. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:9, Channel:20600, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)



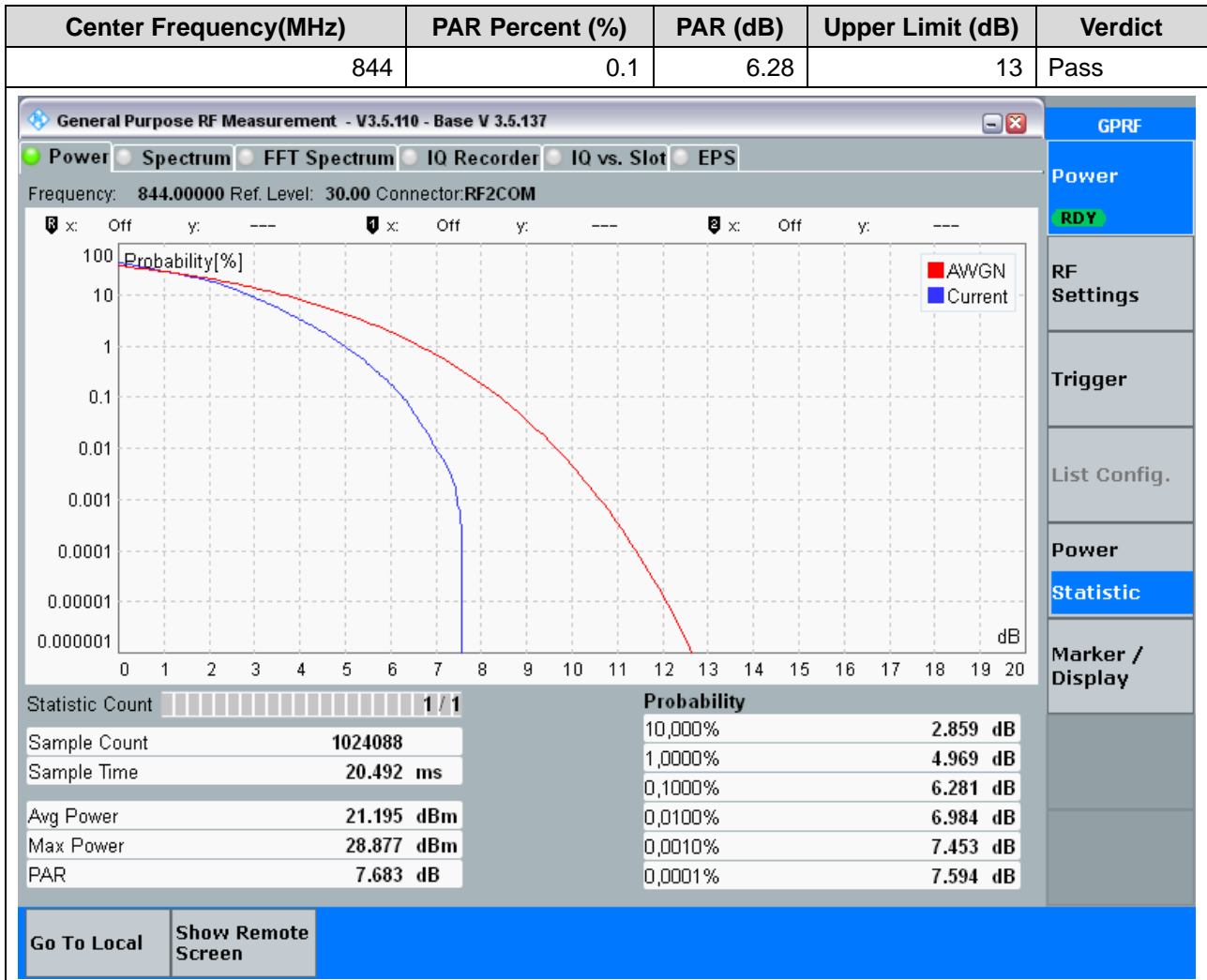
6.10. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:10, Channel:20600, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)



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

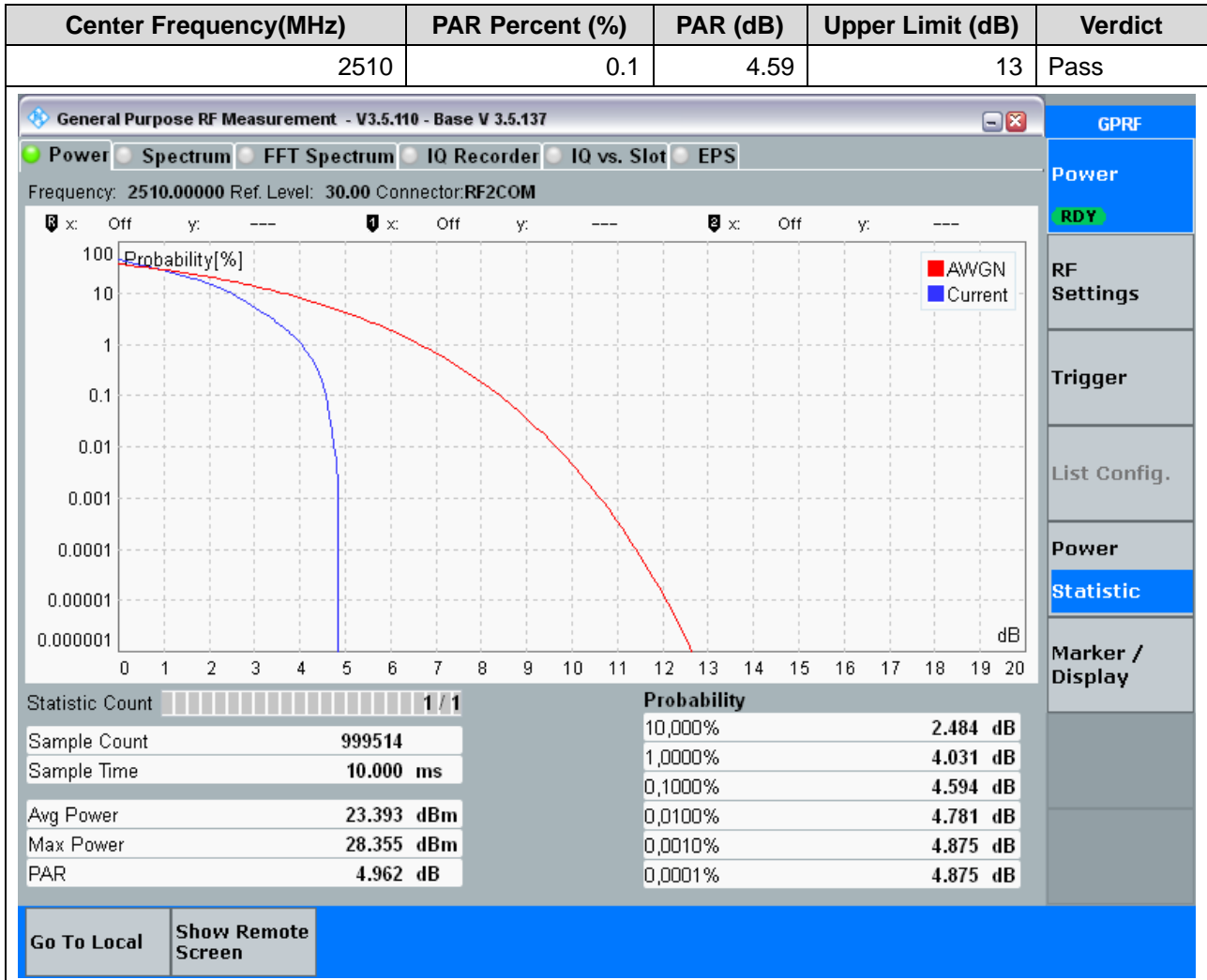


6.12. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:12, Channel:20600, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)

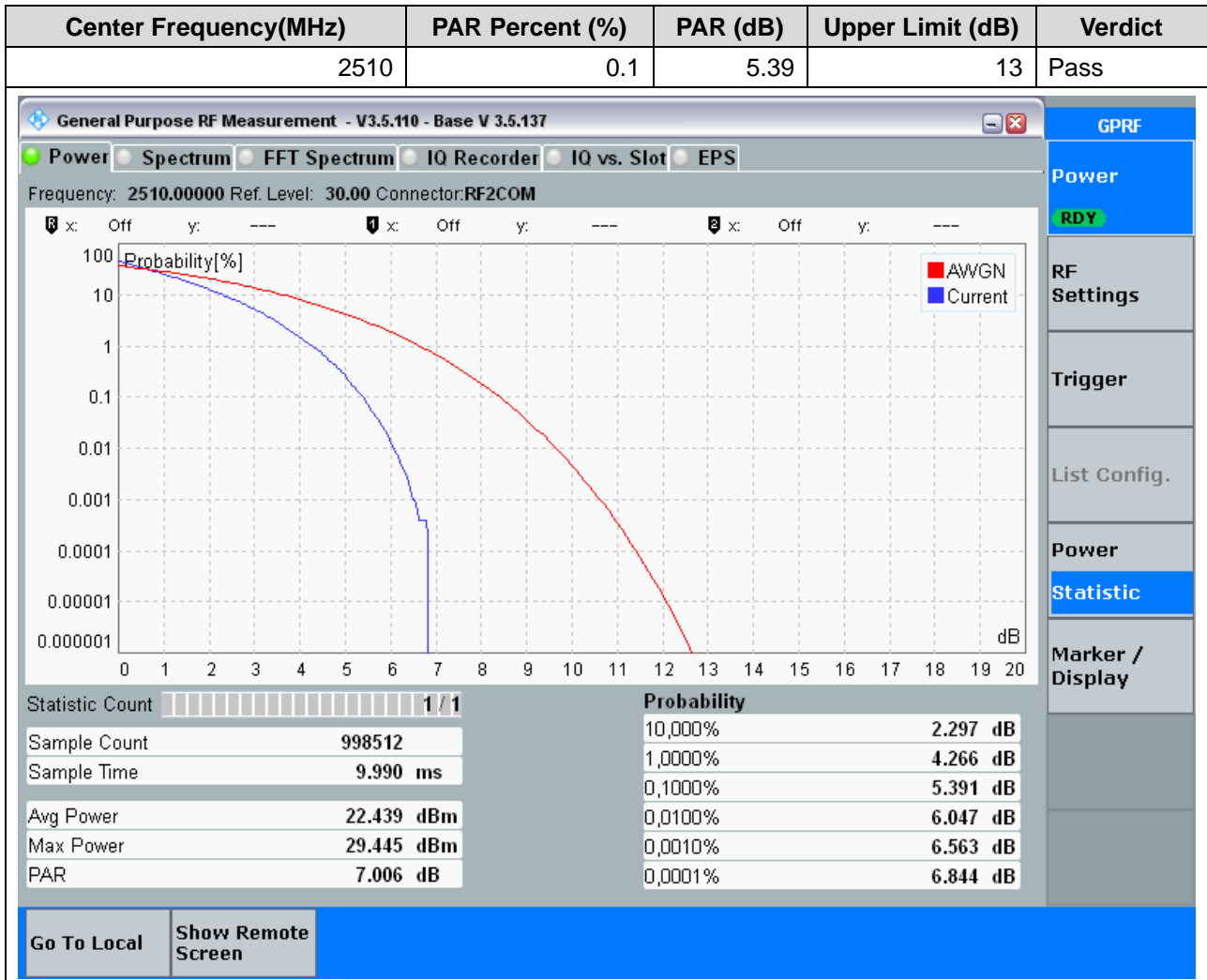


7. LTE_Band7

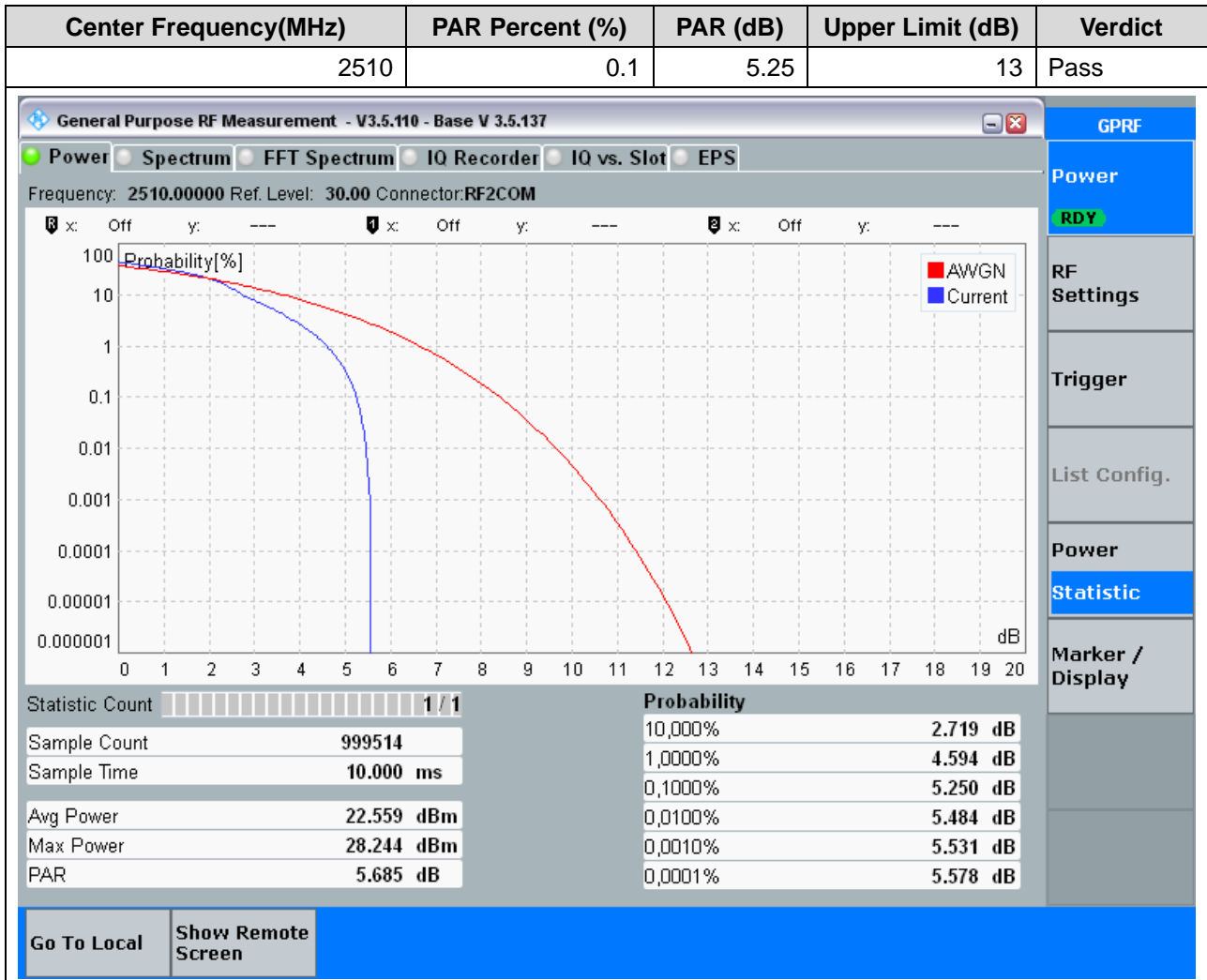
7.1. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:1, Channel:20850, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)



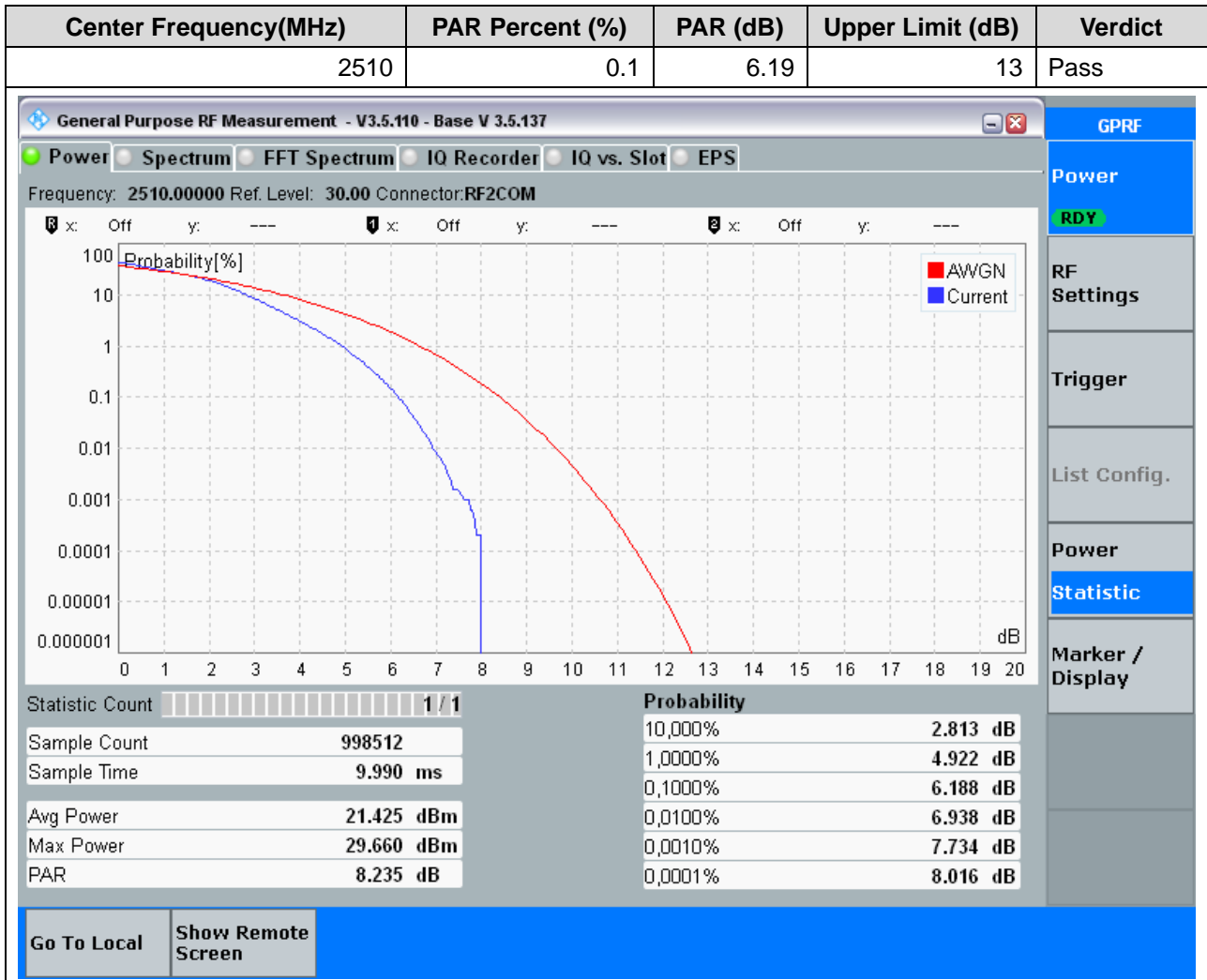
7.2. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:2, Channel:20850, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)



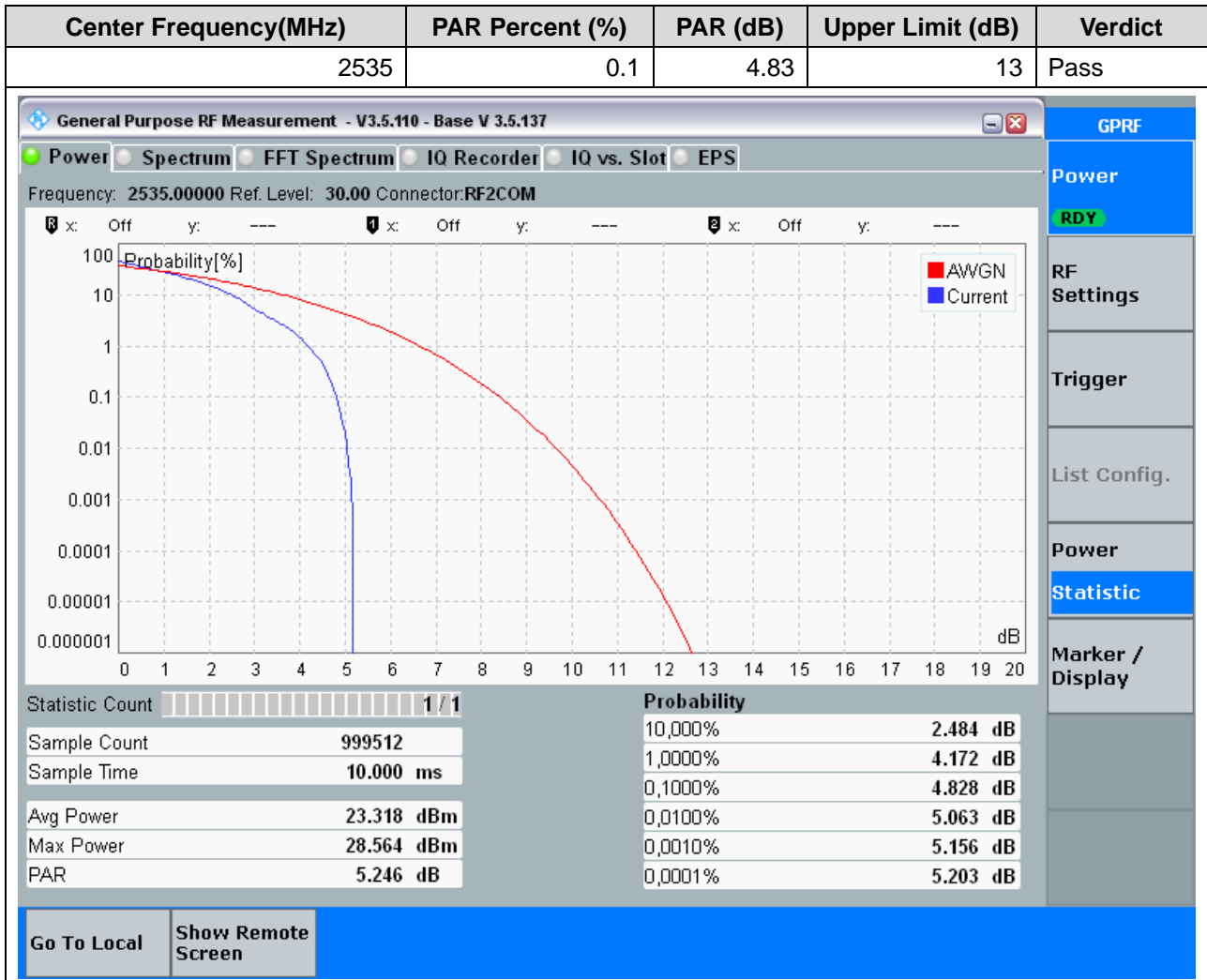
7.3. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:3, Channel:20850, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)



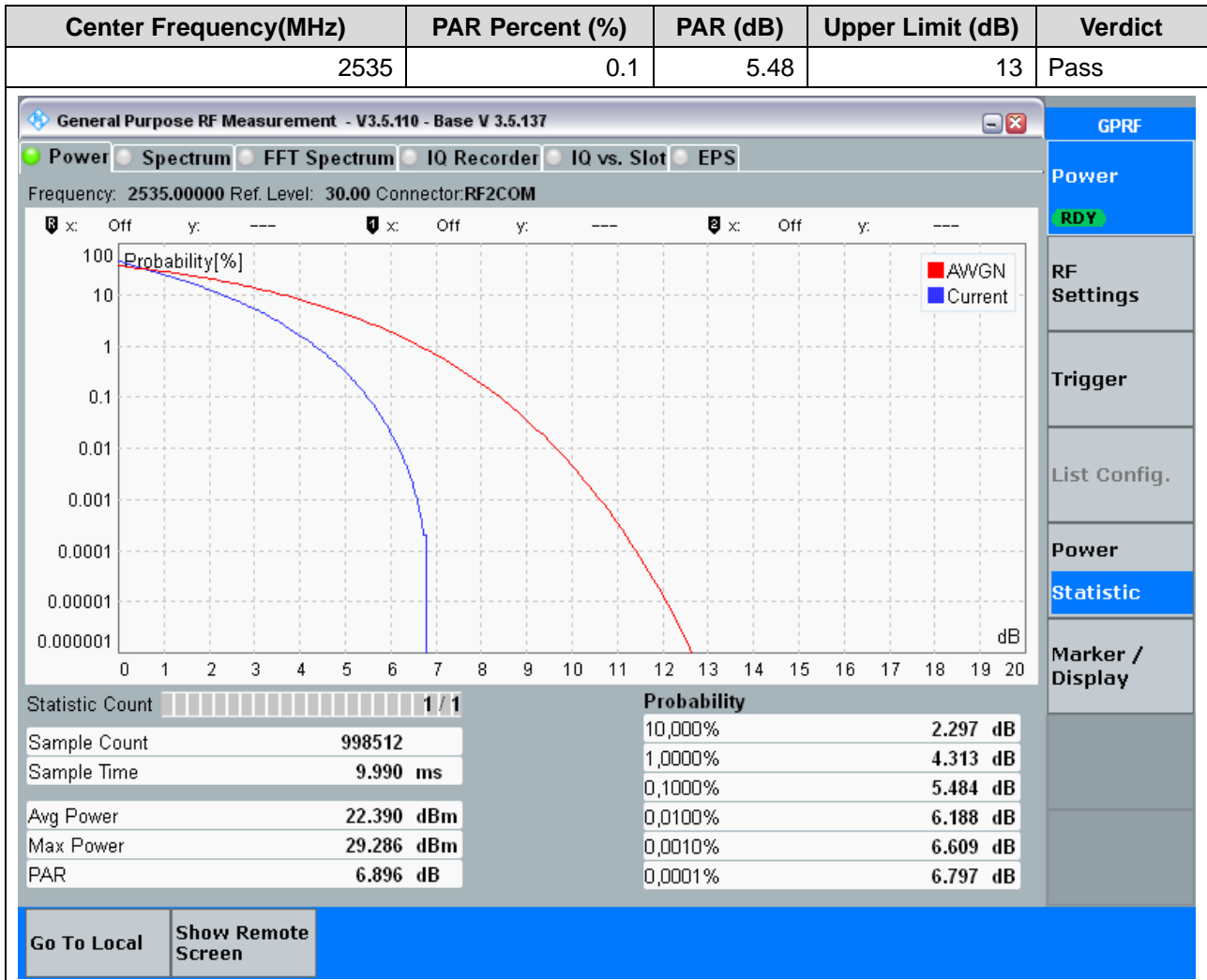
7.4. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:4, Channel:20850, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)



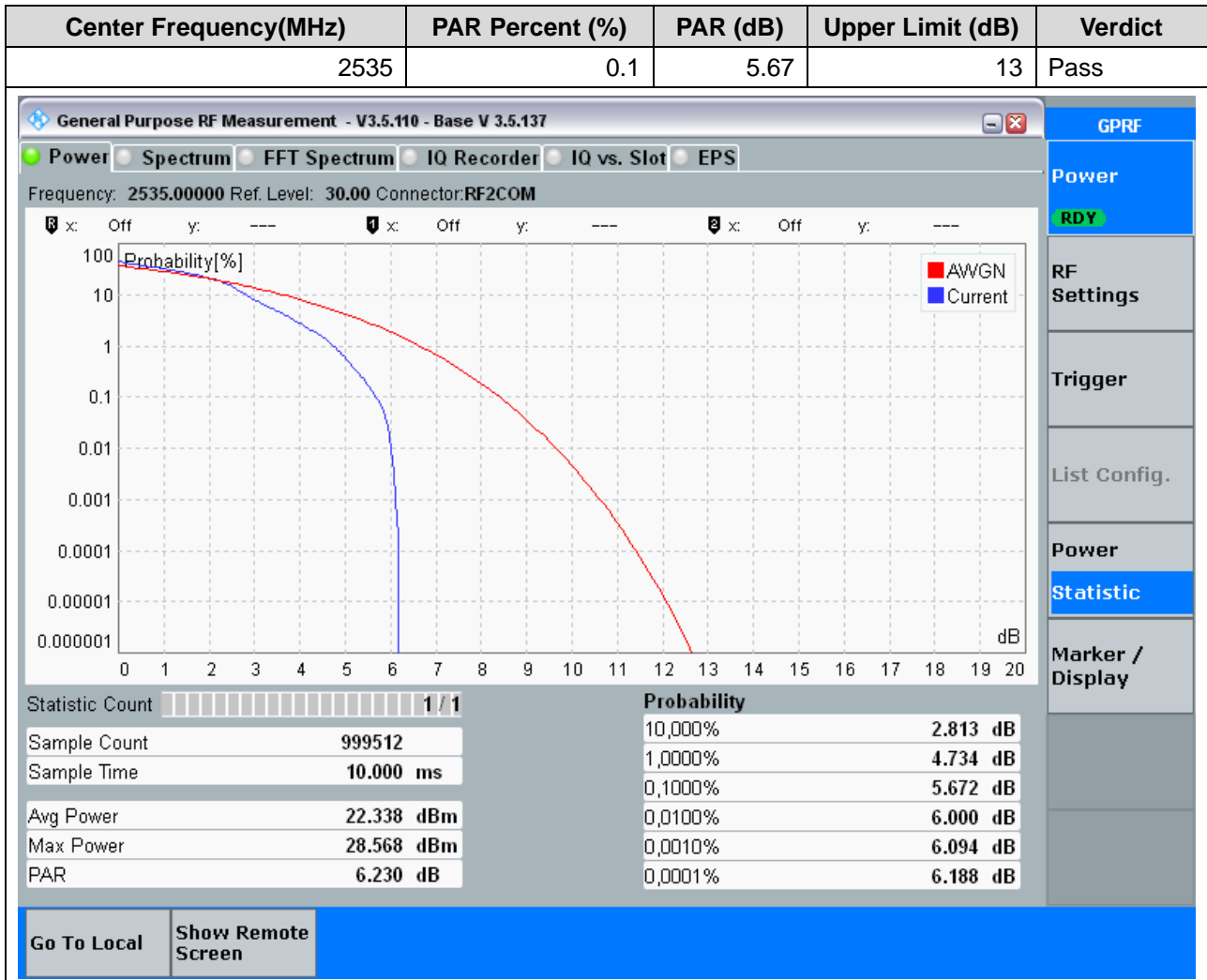
7.5. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:5, Channel:21100, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)



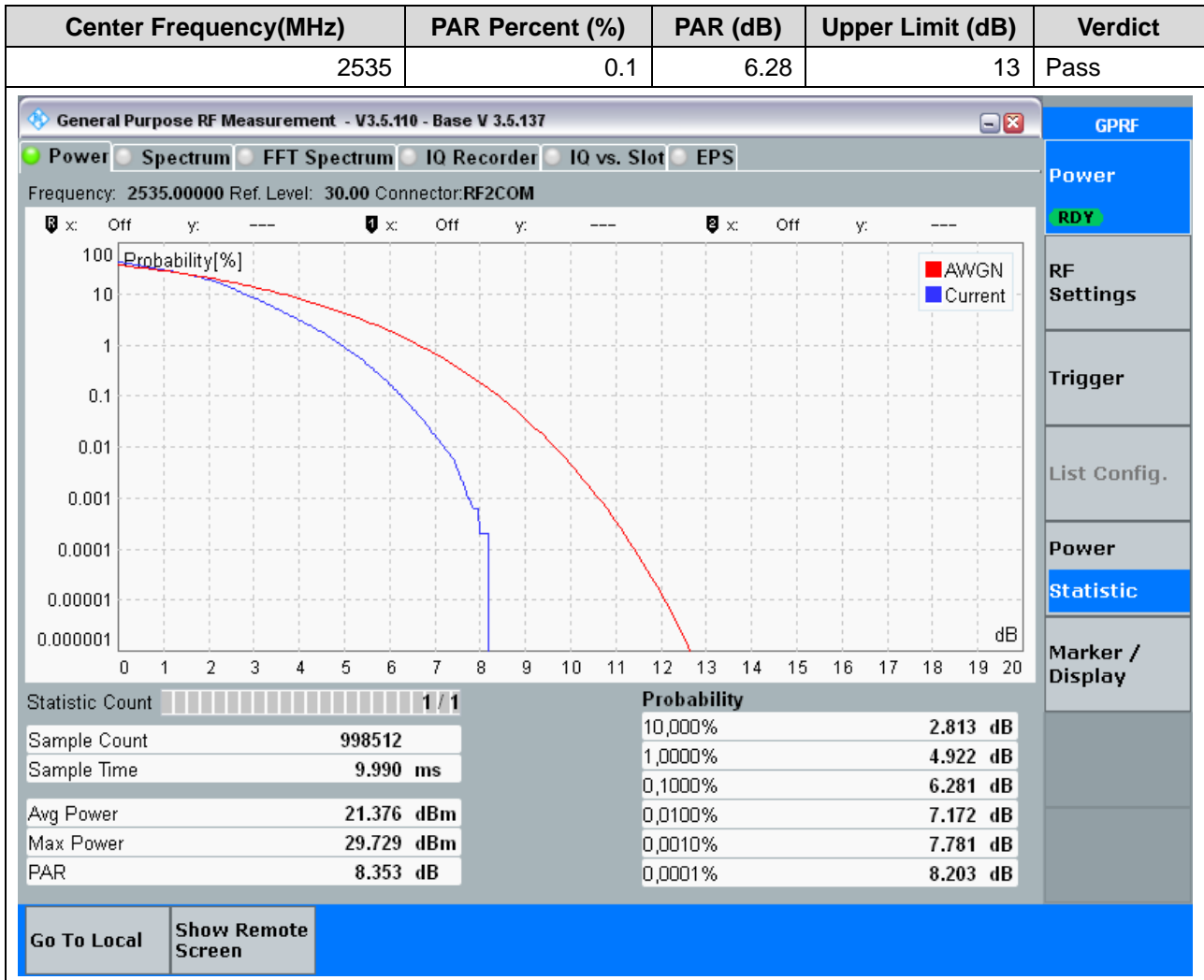
7.6. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:6, Channel:21100, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)



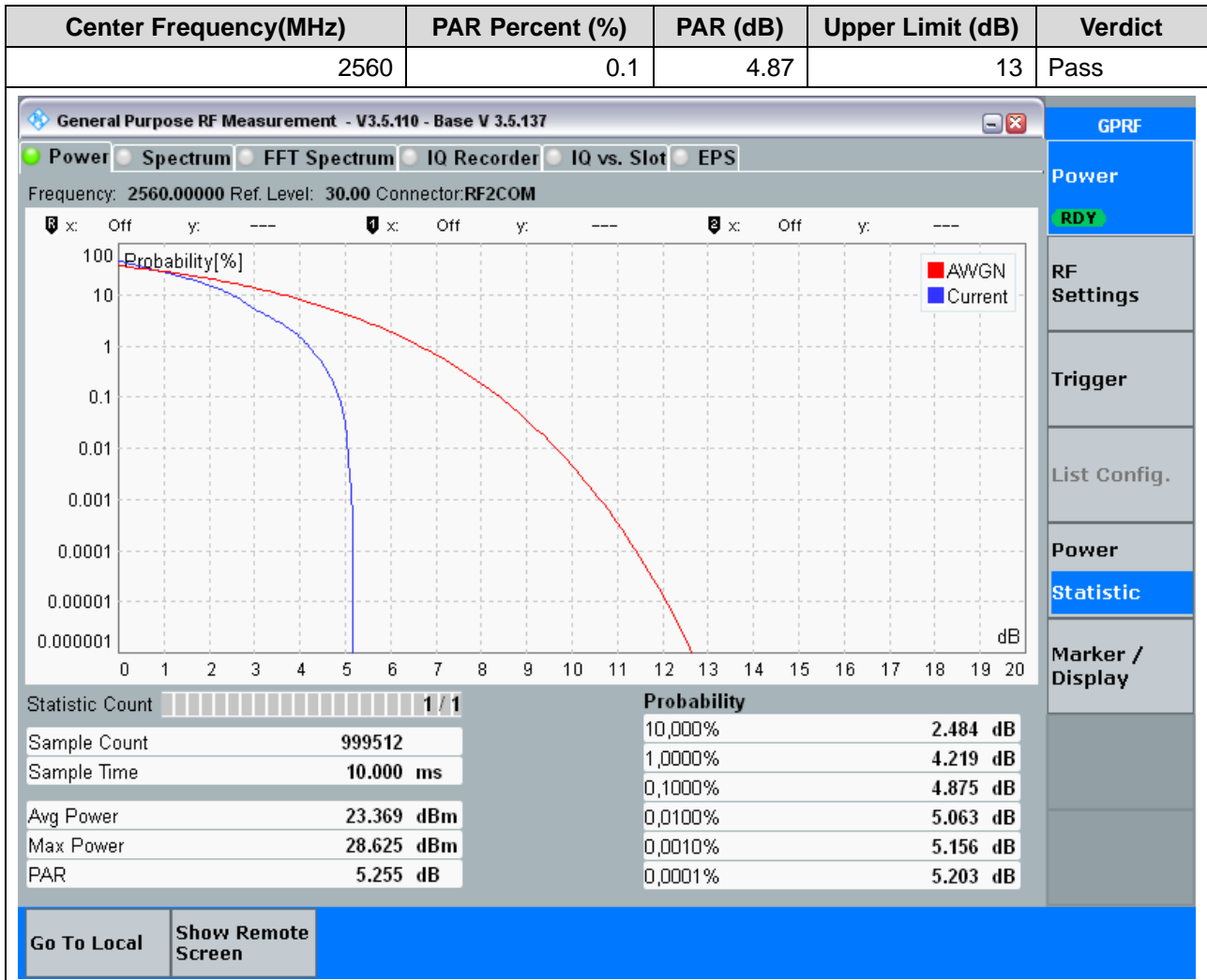
7.7. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:7, Channel:21100, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)



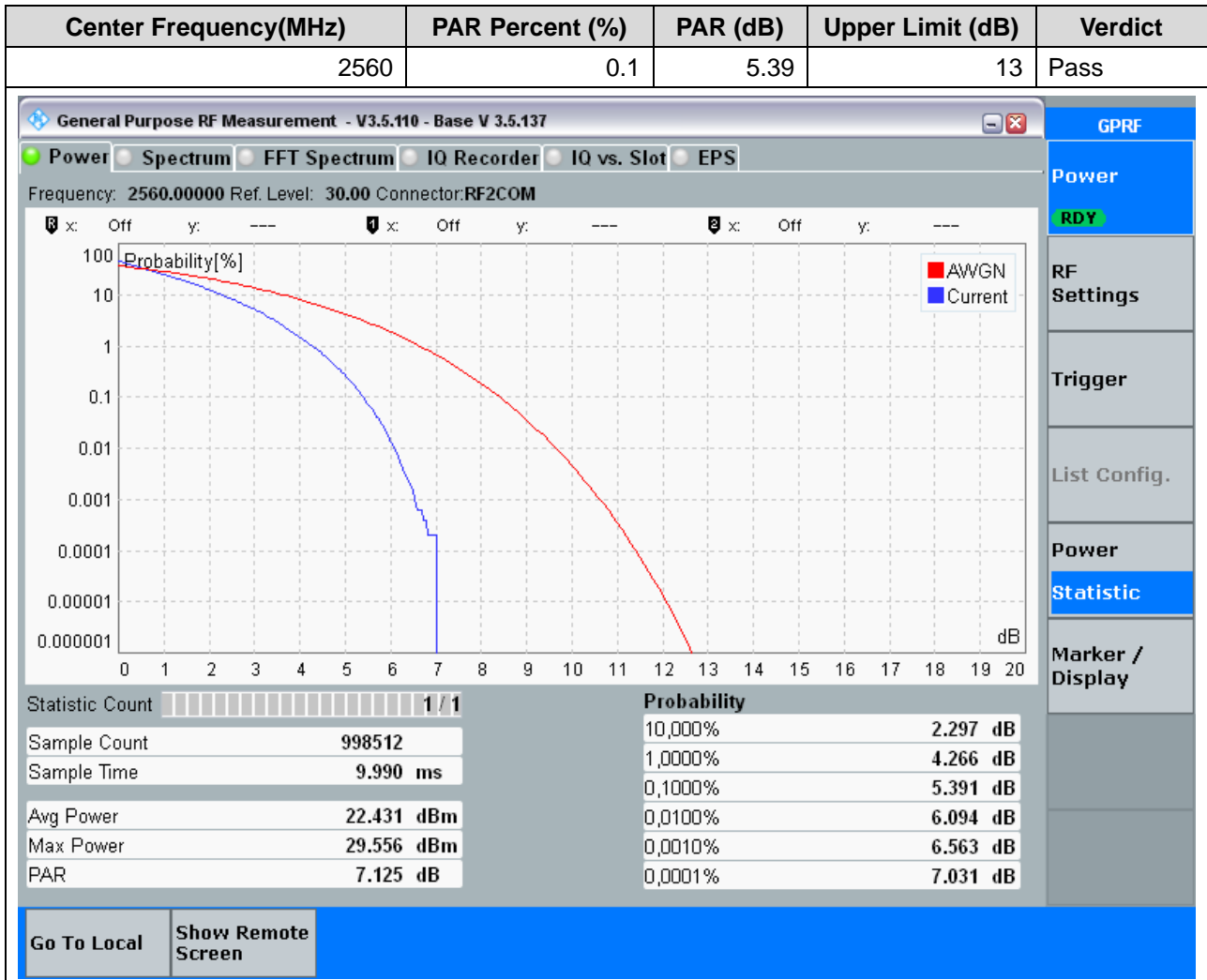
7.8. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:8, Channel:21100, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)



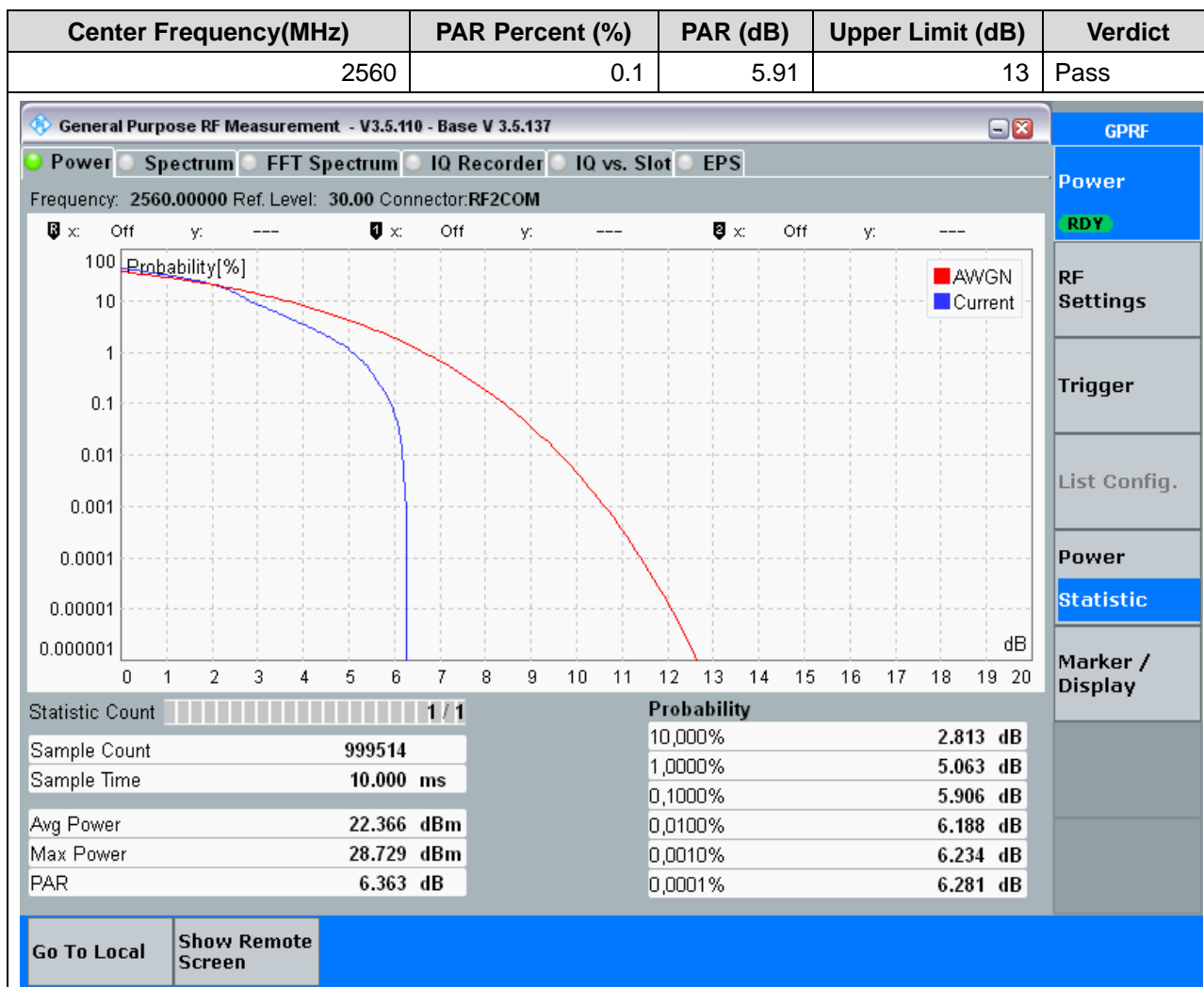
7.9. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:9, Channel:21350, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)



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



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



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

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2560	0.1	6.14	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: 2560.00000 Ref. Level: 30.00 Connector:RF2COM

Probability[%] vs dB graph showing AWGN (red) and Current (blue) curves.

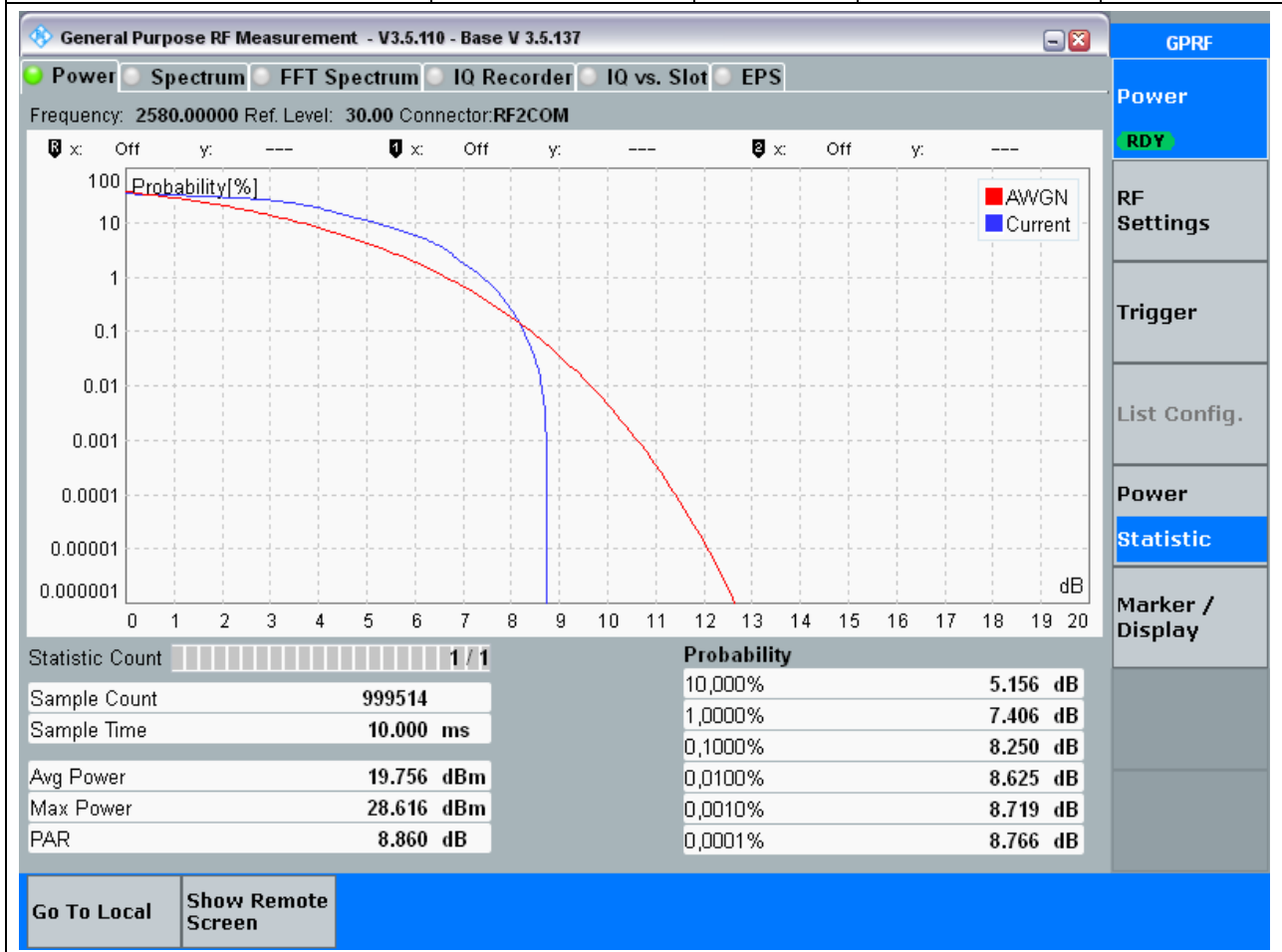
Statistic Count	Value	Probability	Value
Sample Count	998512	10,000%	2.813 dB
Sample Time	9.990 ms	1,0000%	4.922 dB
Avg Power	21.426 dBm	0,1000%	6.141 dB
Max Power	29.350 dBm	0,0100%	6.984 dB
PAR	7.925 dB	0,0010%	7.453 dB
		0,0001%	7.688 dB

Go To Local Show Remote Screen

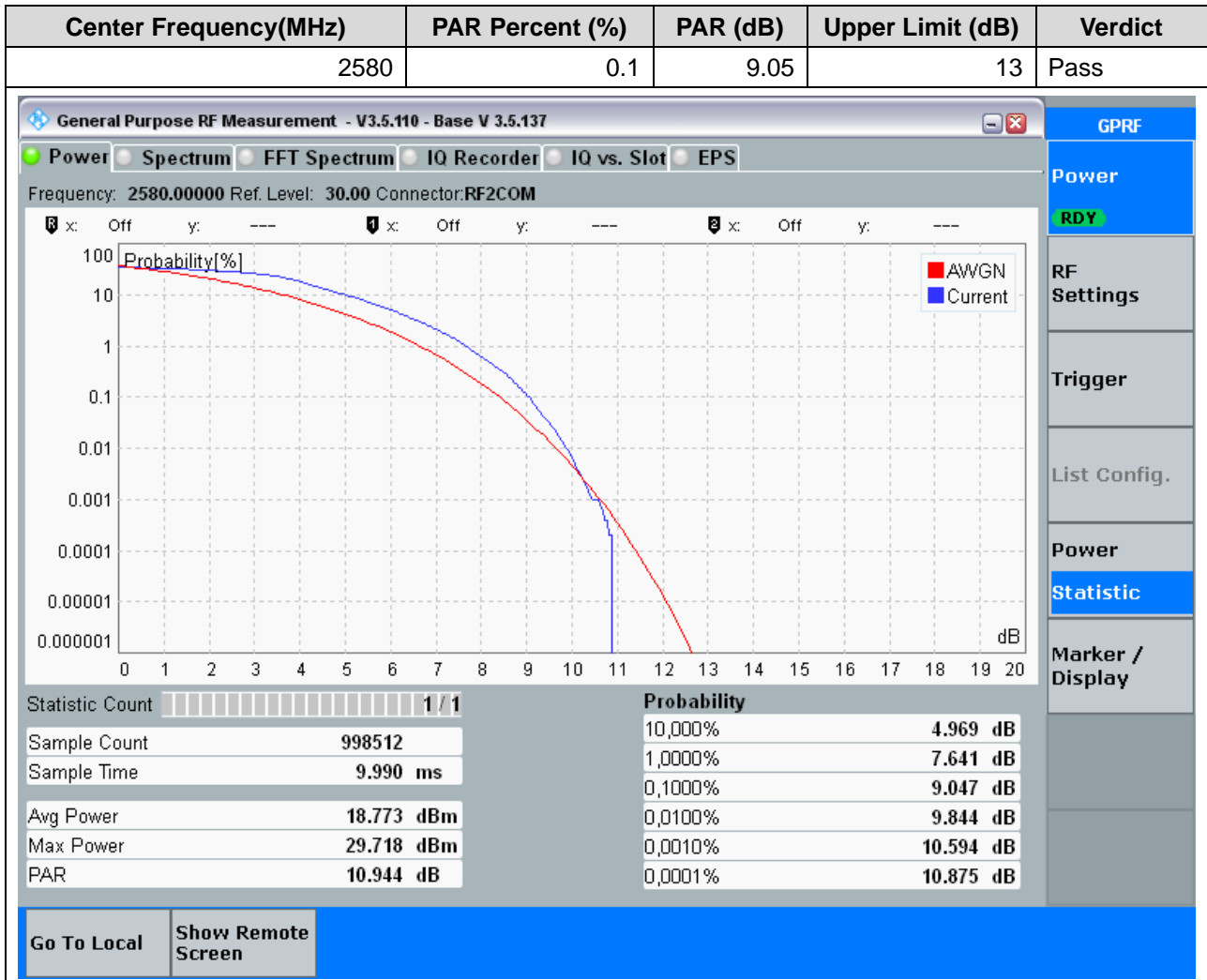
8. LTE_Band38

8.1. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:1, Channel:37850, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)

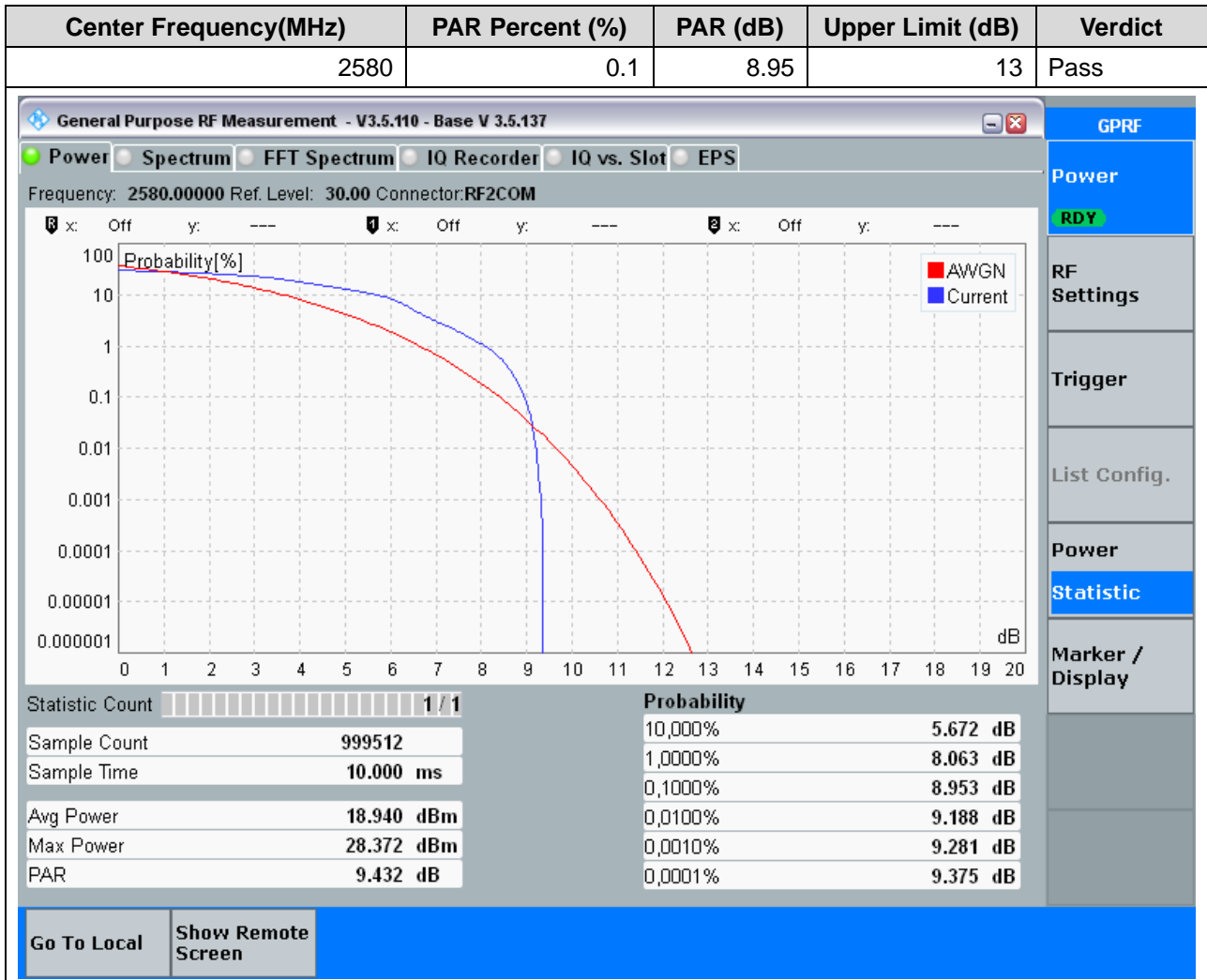
Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2580	0.1	8.25	13	Pass



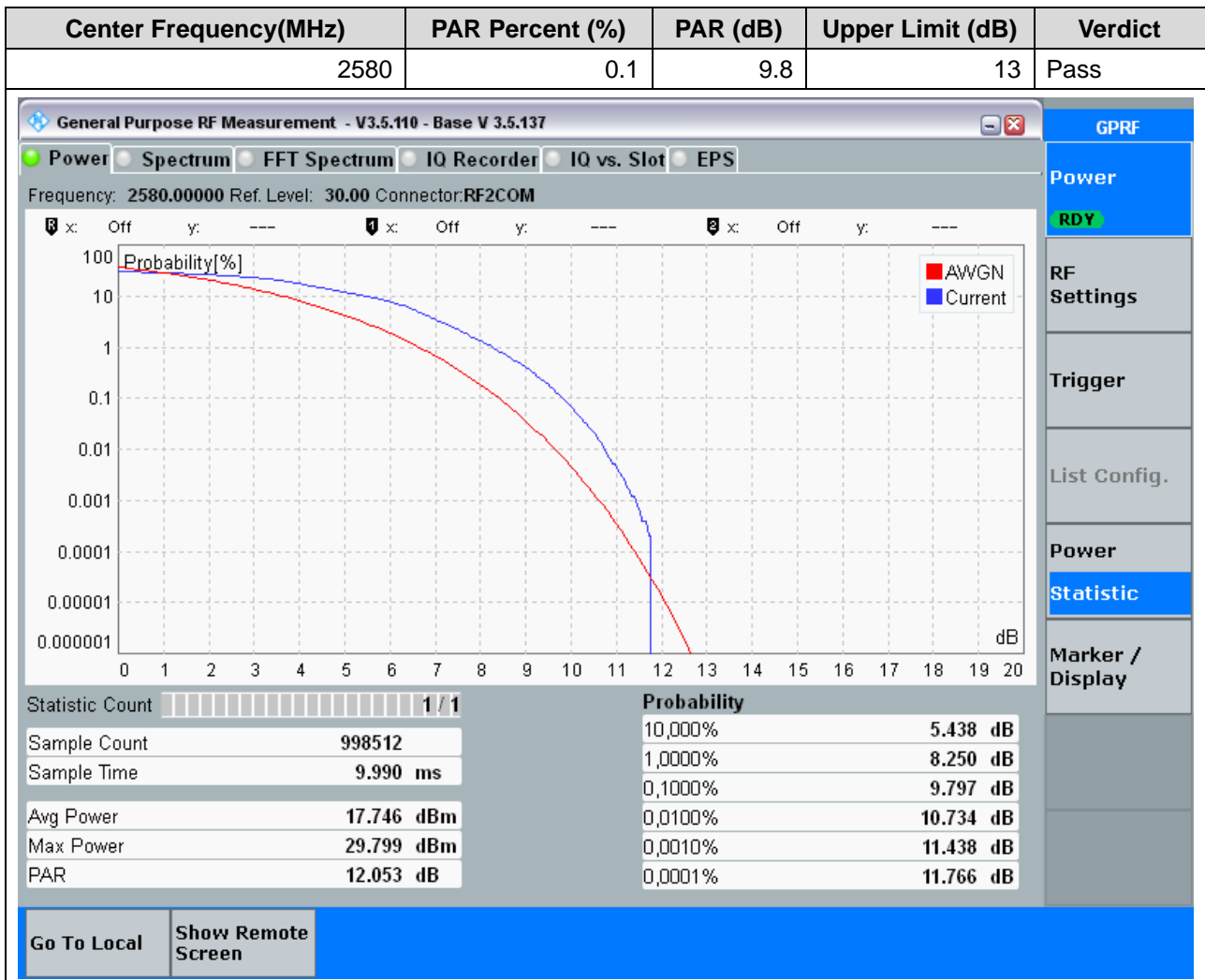
8.2. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:2, Channel:37850, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)



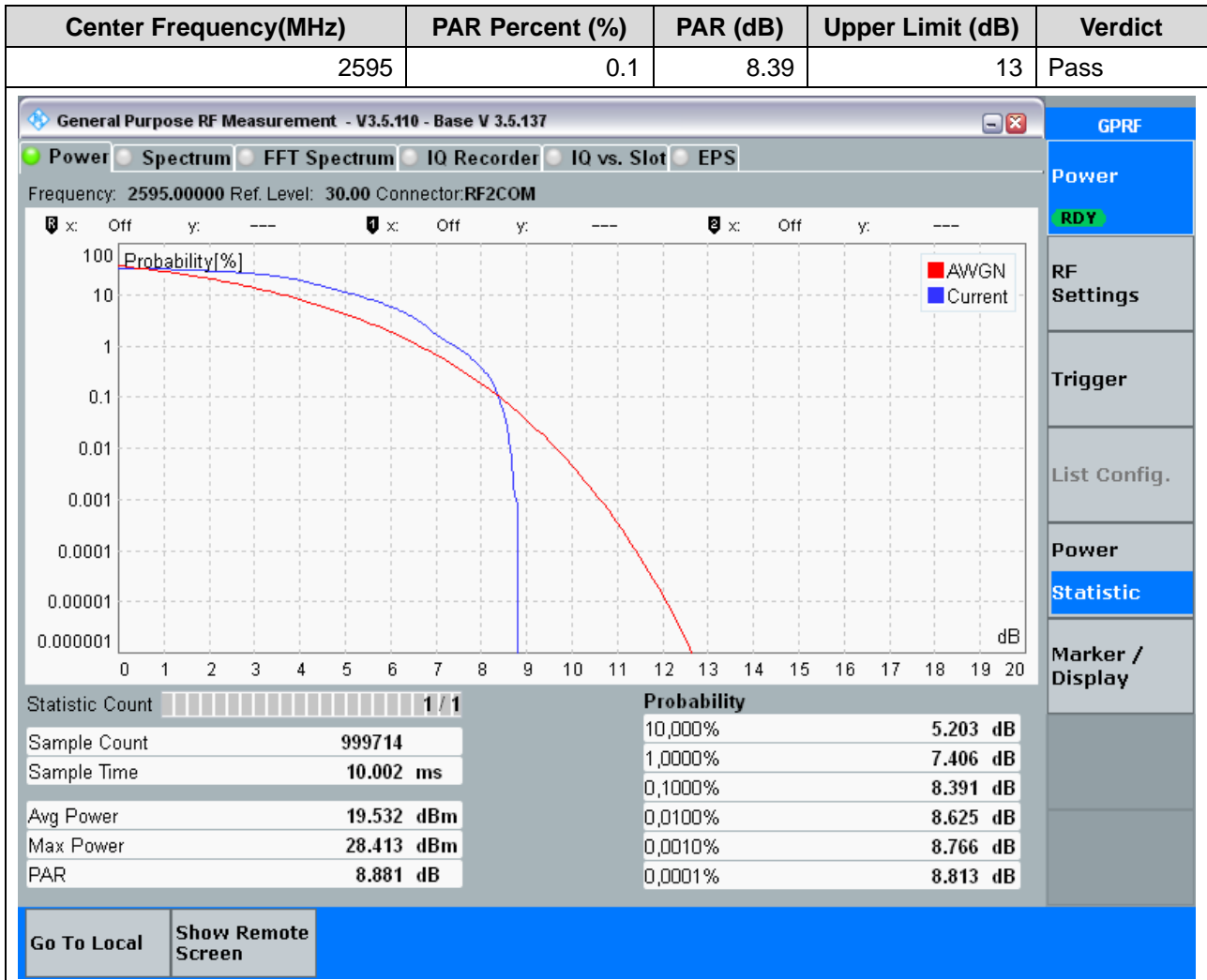
8.3. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:3, Channel:37850, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)



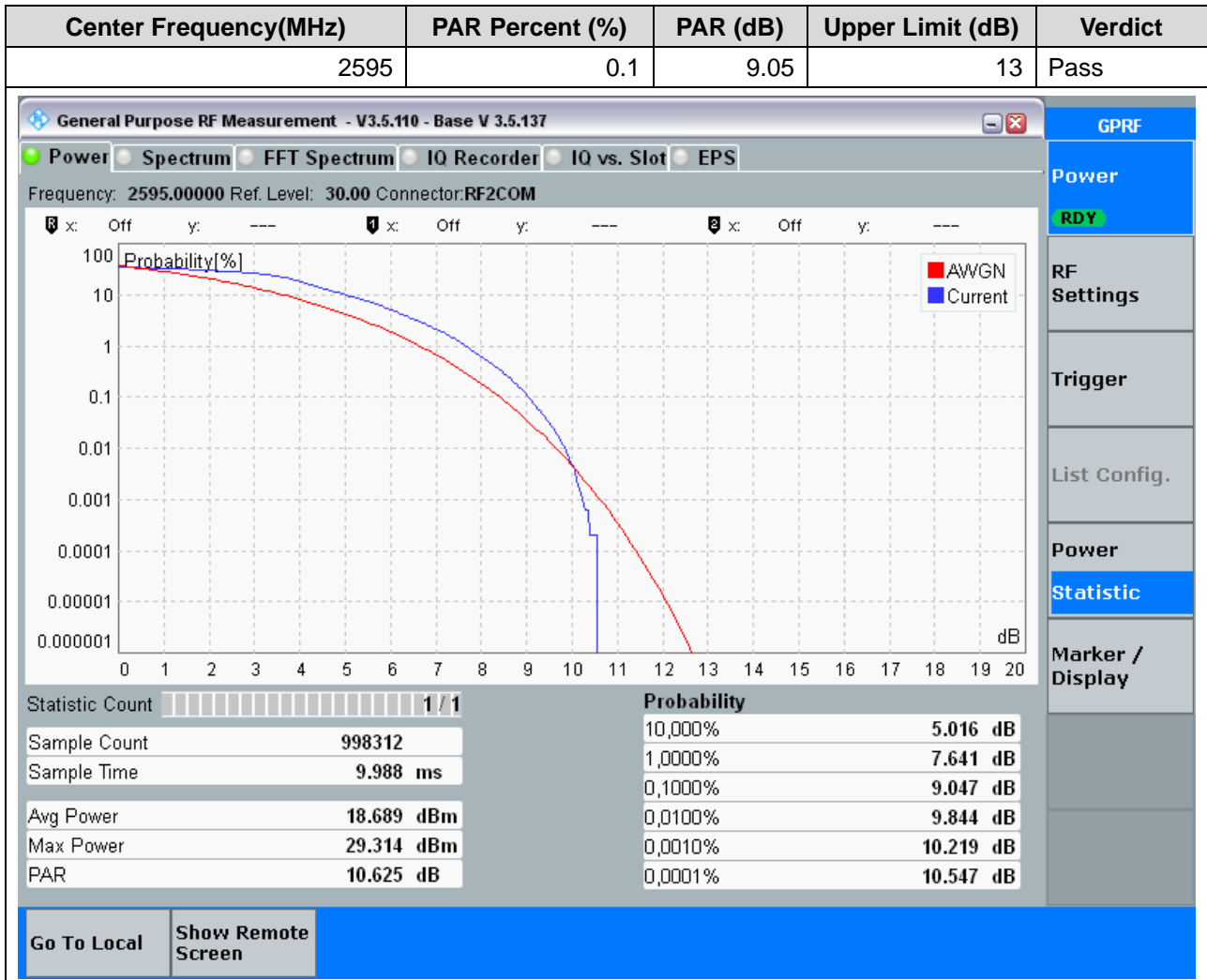
8.4. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:4, Channel:37850, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)



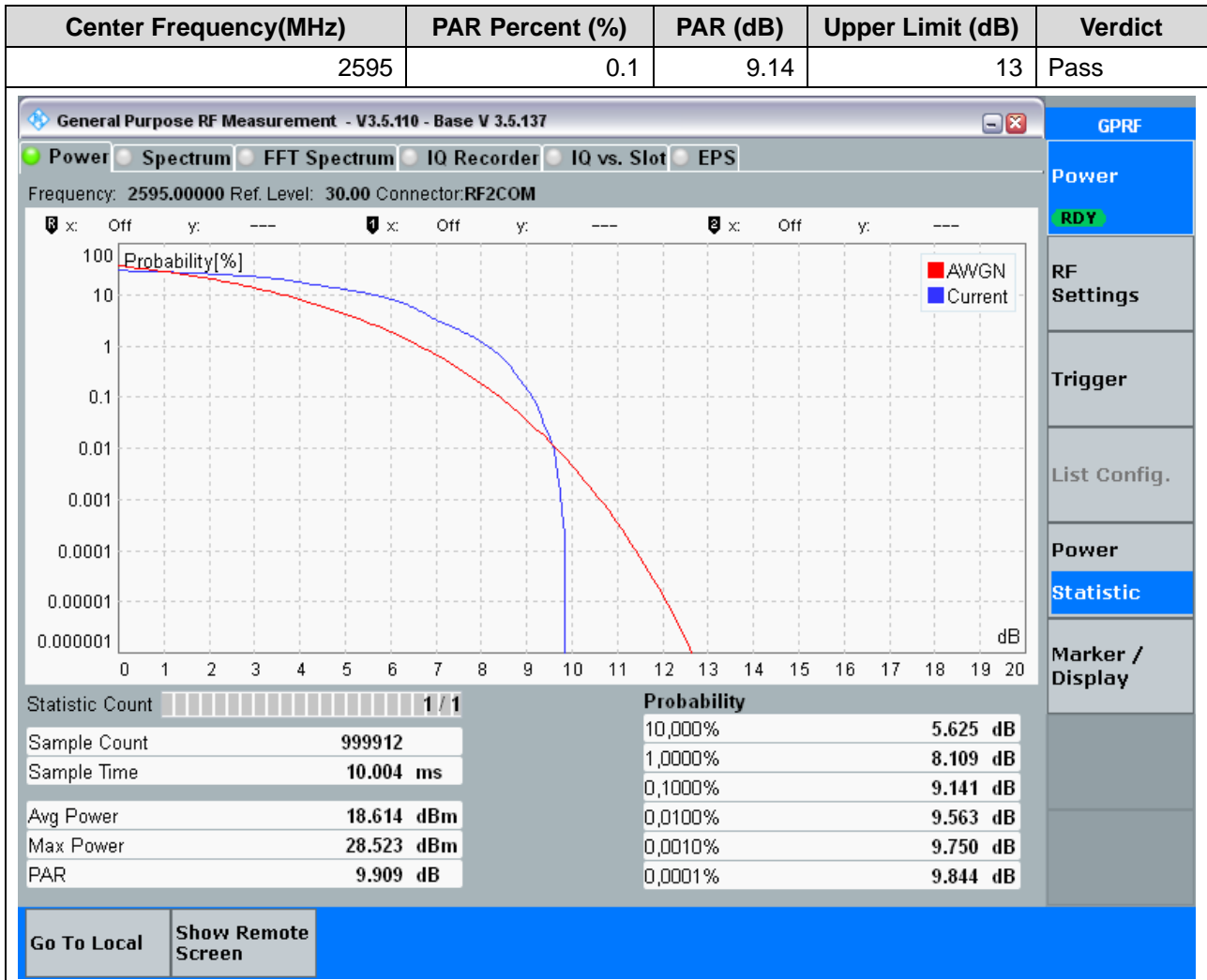
8.5. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:5, Channel:38000, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)



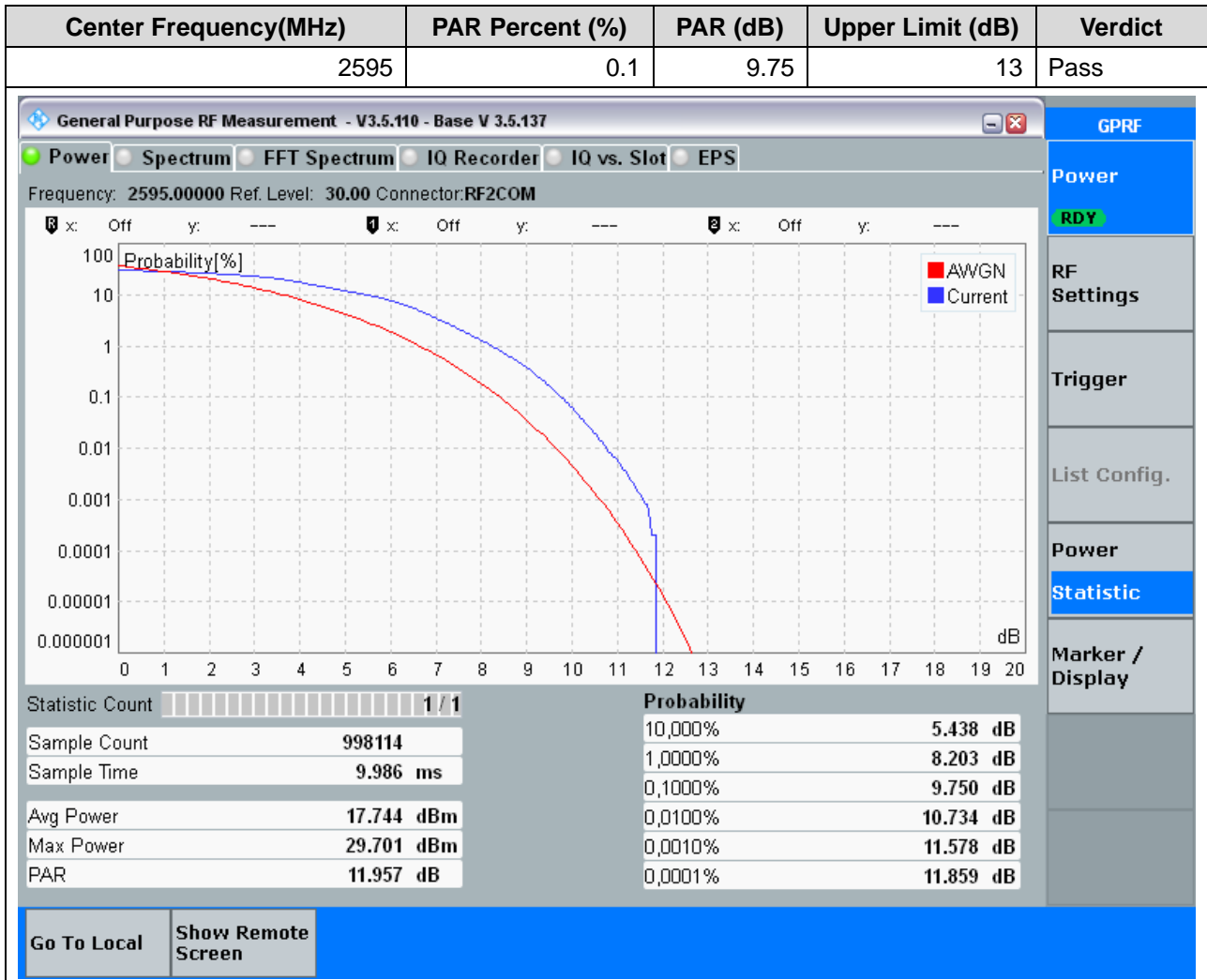
8.6. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:6, Channel:38000, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)



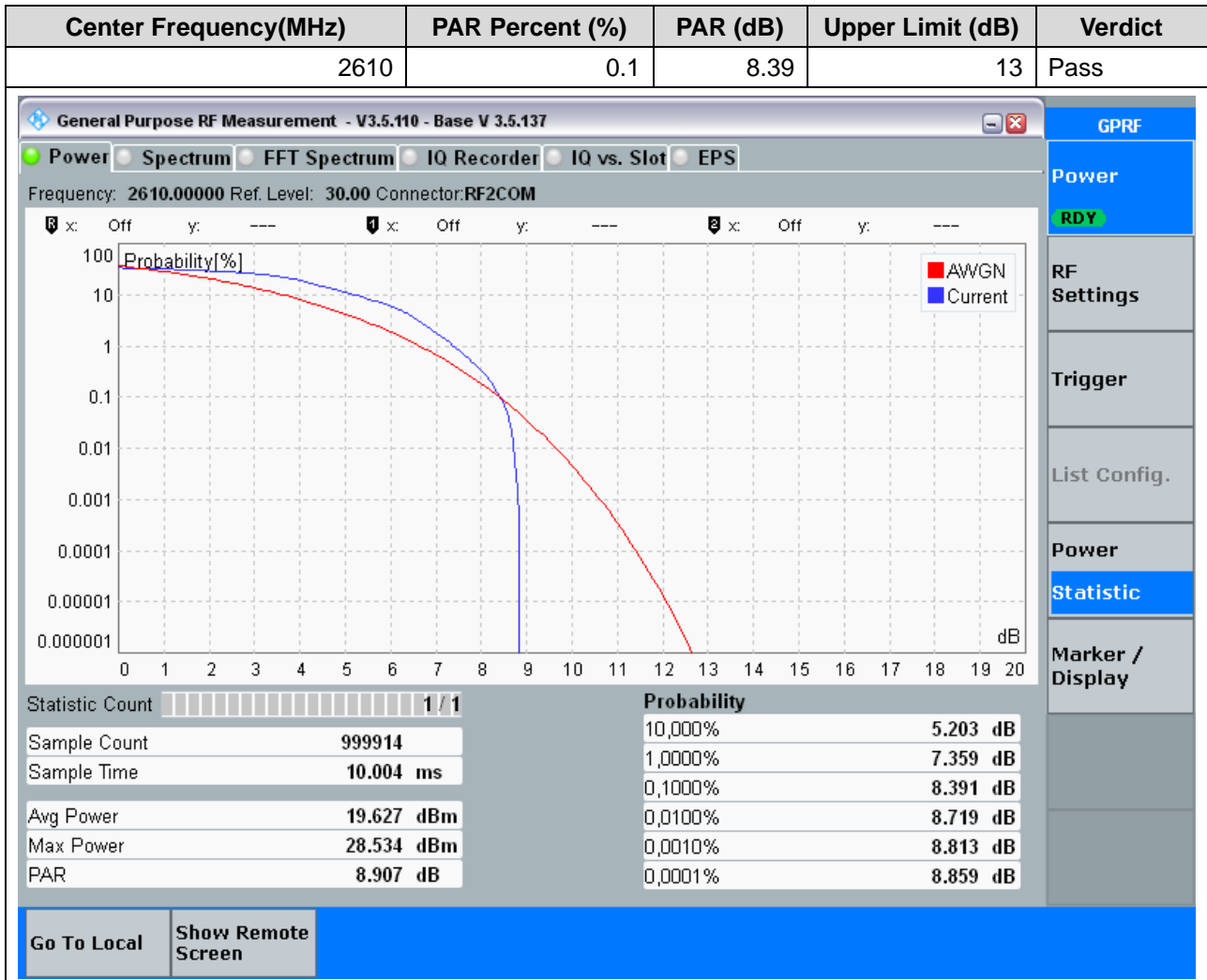
8.7. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:7, Channel:38000, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)



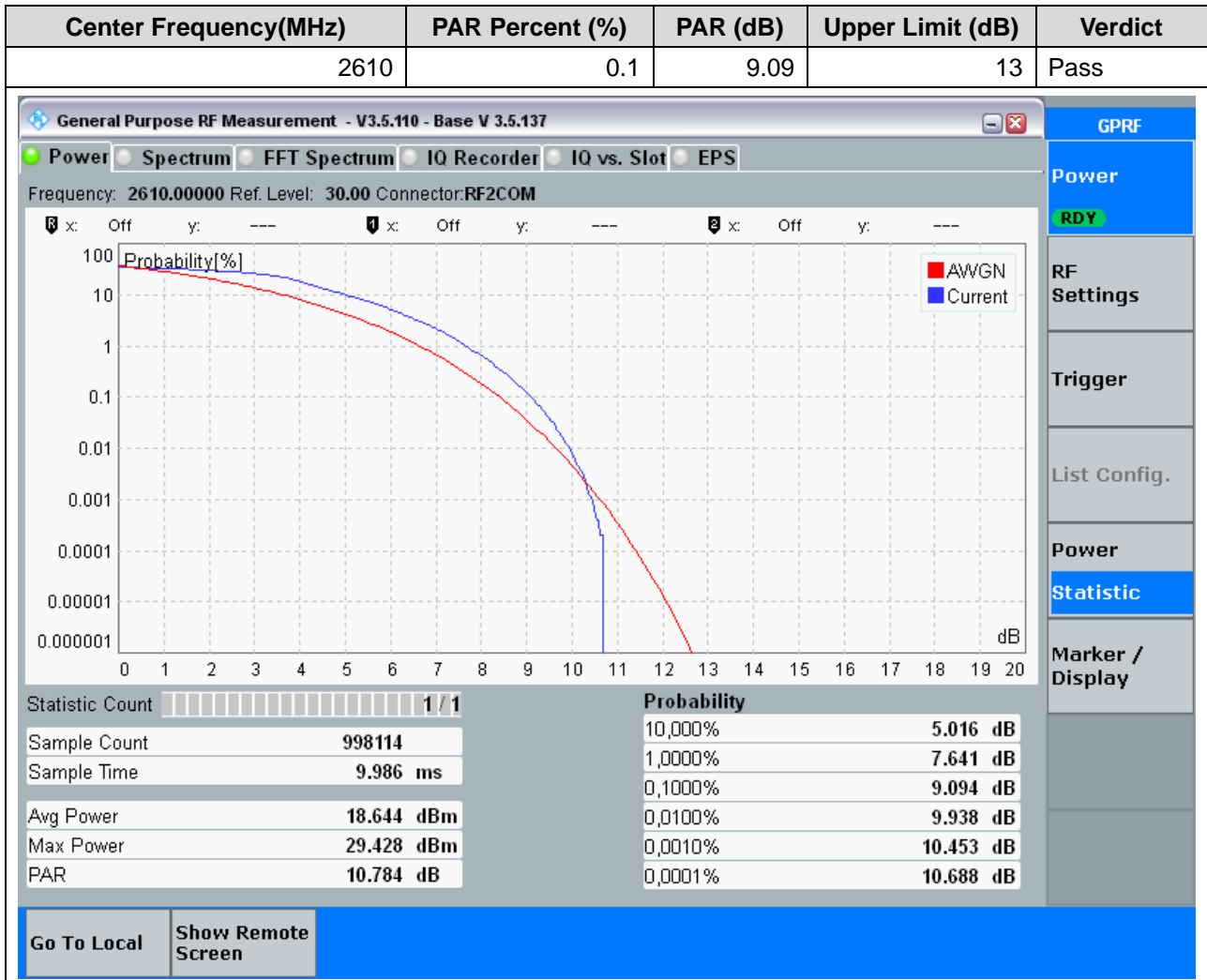
8.8. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:8, Channel:38000, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)



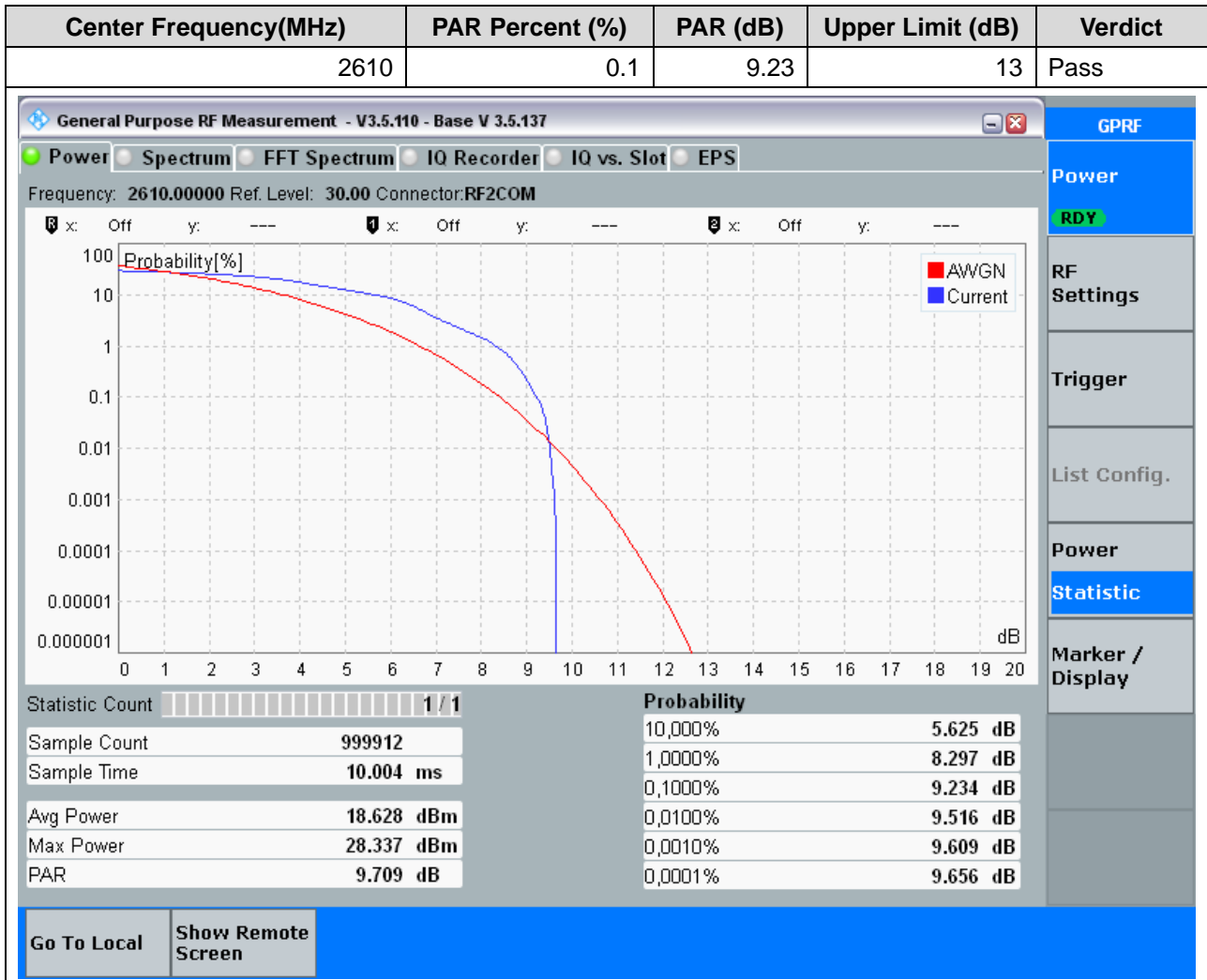
8.9. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:9, Channel:38150, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)



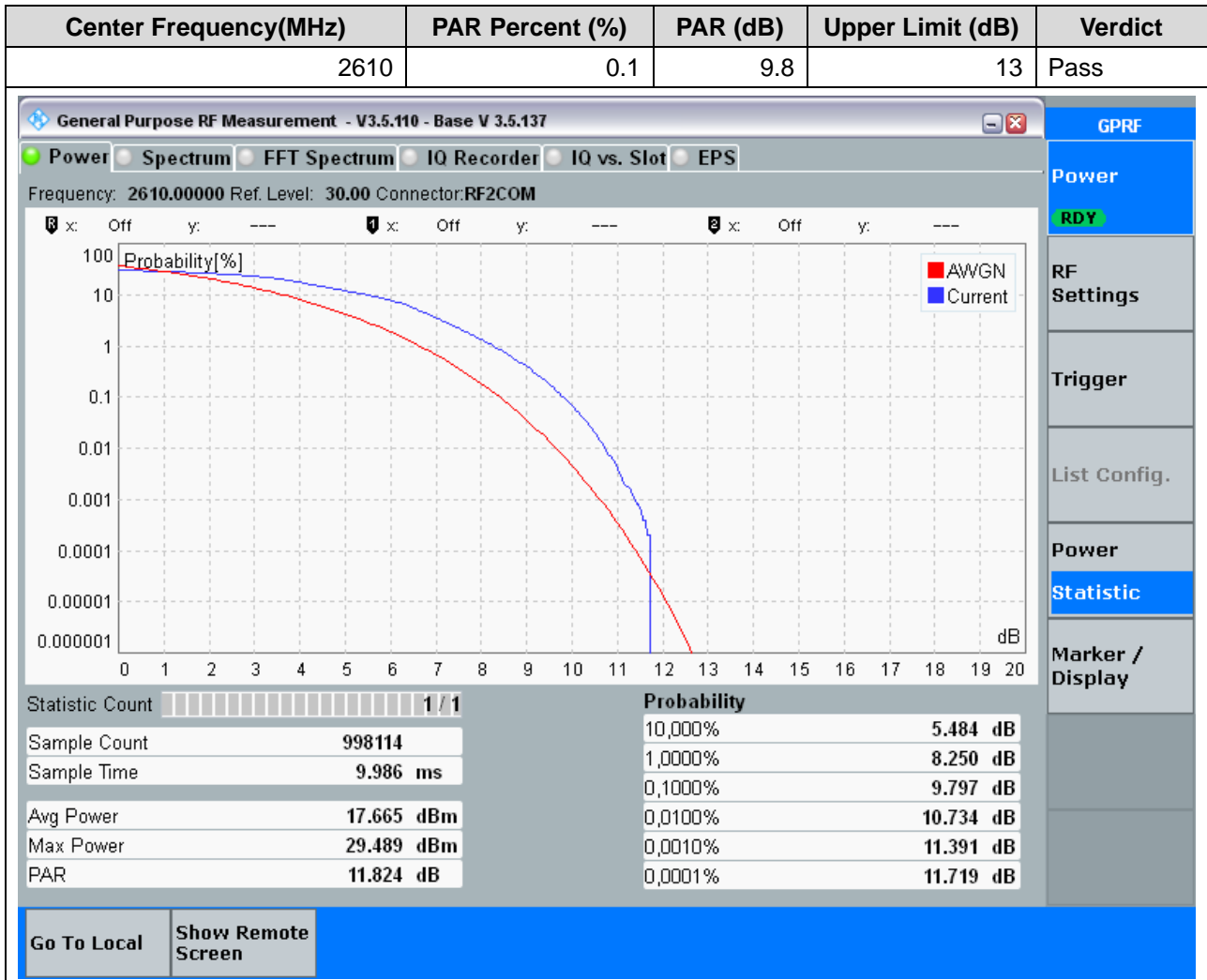
8.10. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:10, Channel:38150, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)



8.11. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:11, Channel:38150, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)

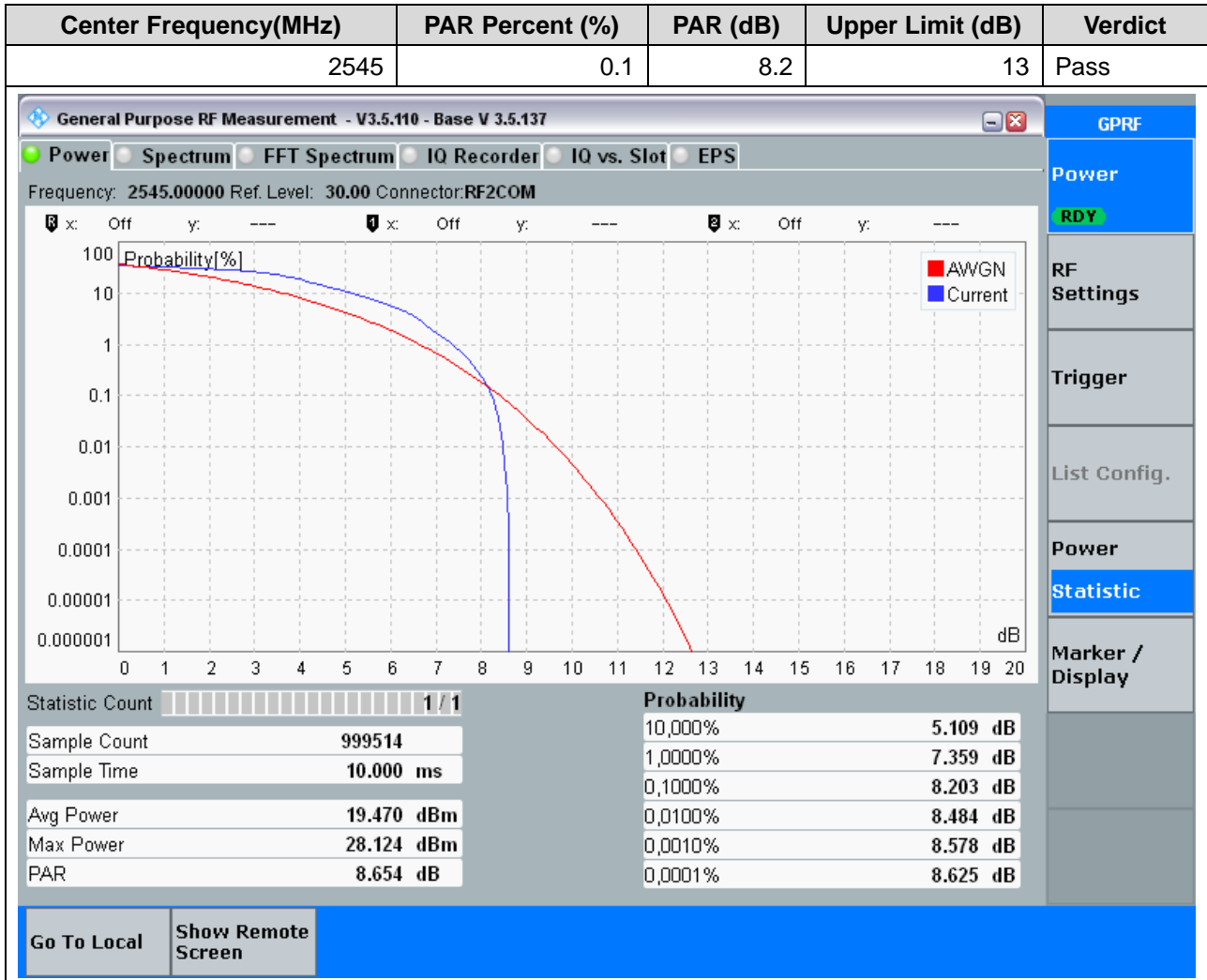


8.12. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:12, Channel:38150, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)

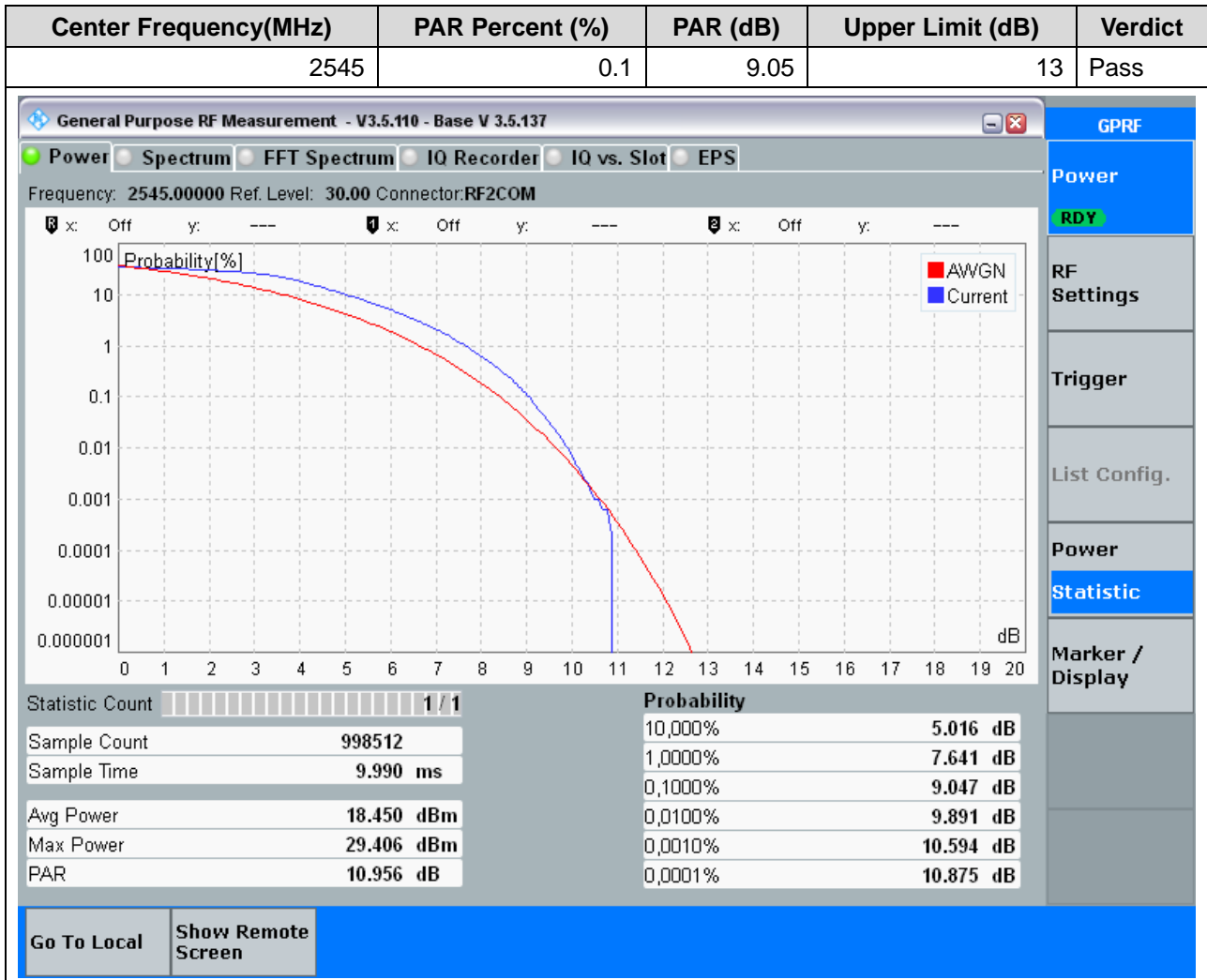


9. LTE_Band41 120M

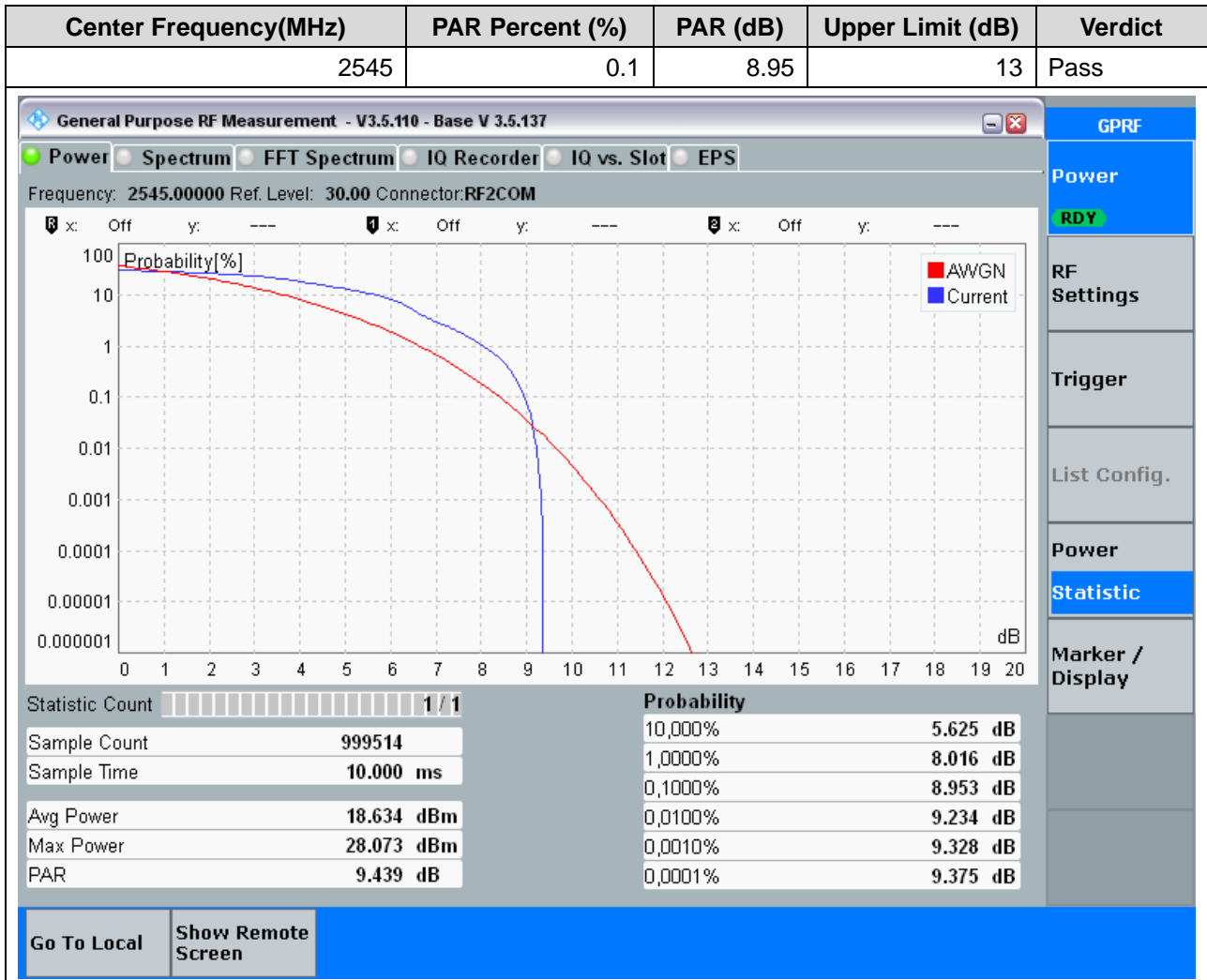
9.1. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:1, Channel:40140, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)



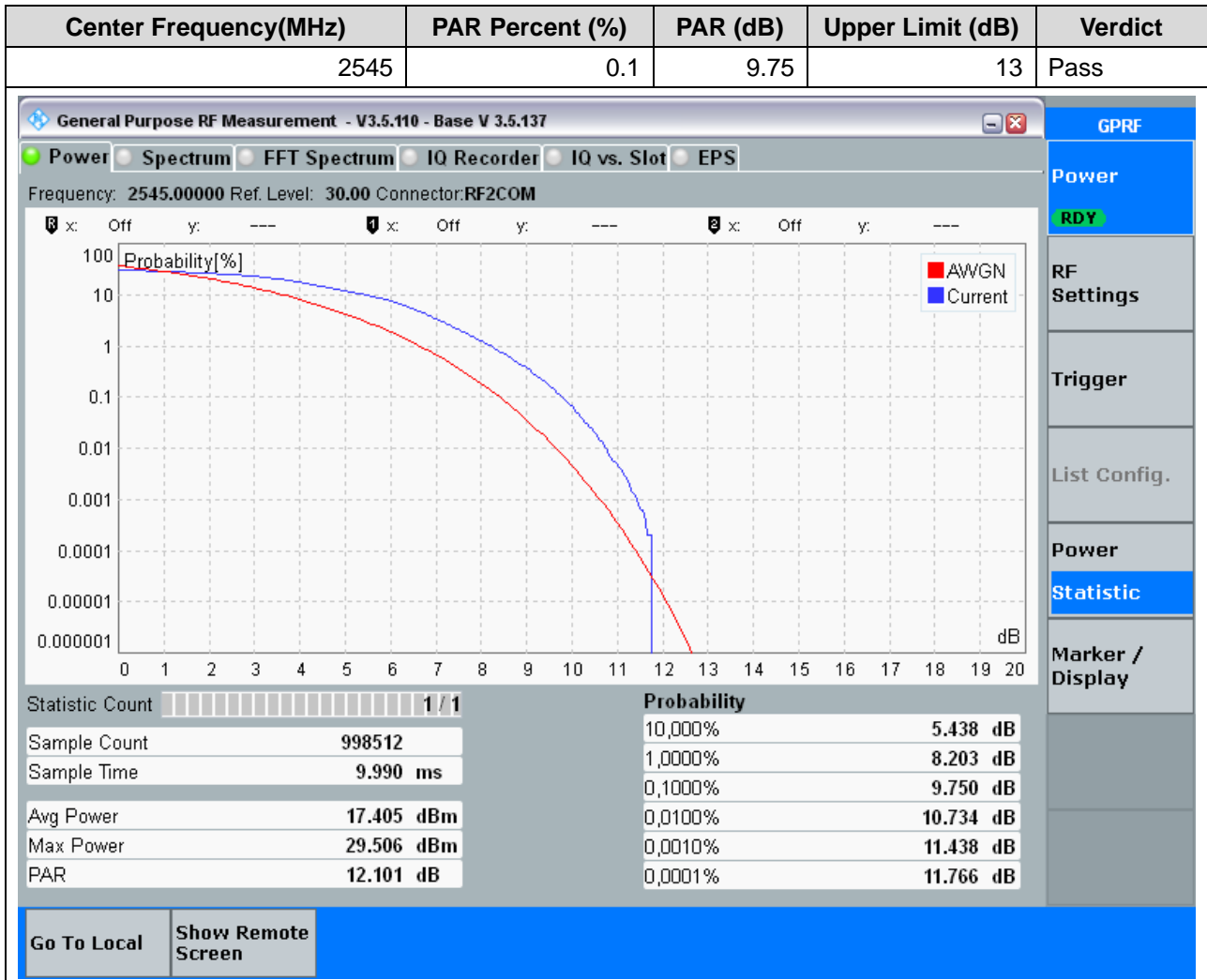
9.2. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:2, Channel:40140, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)



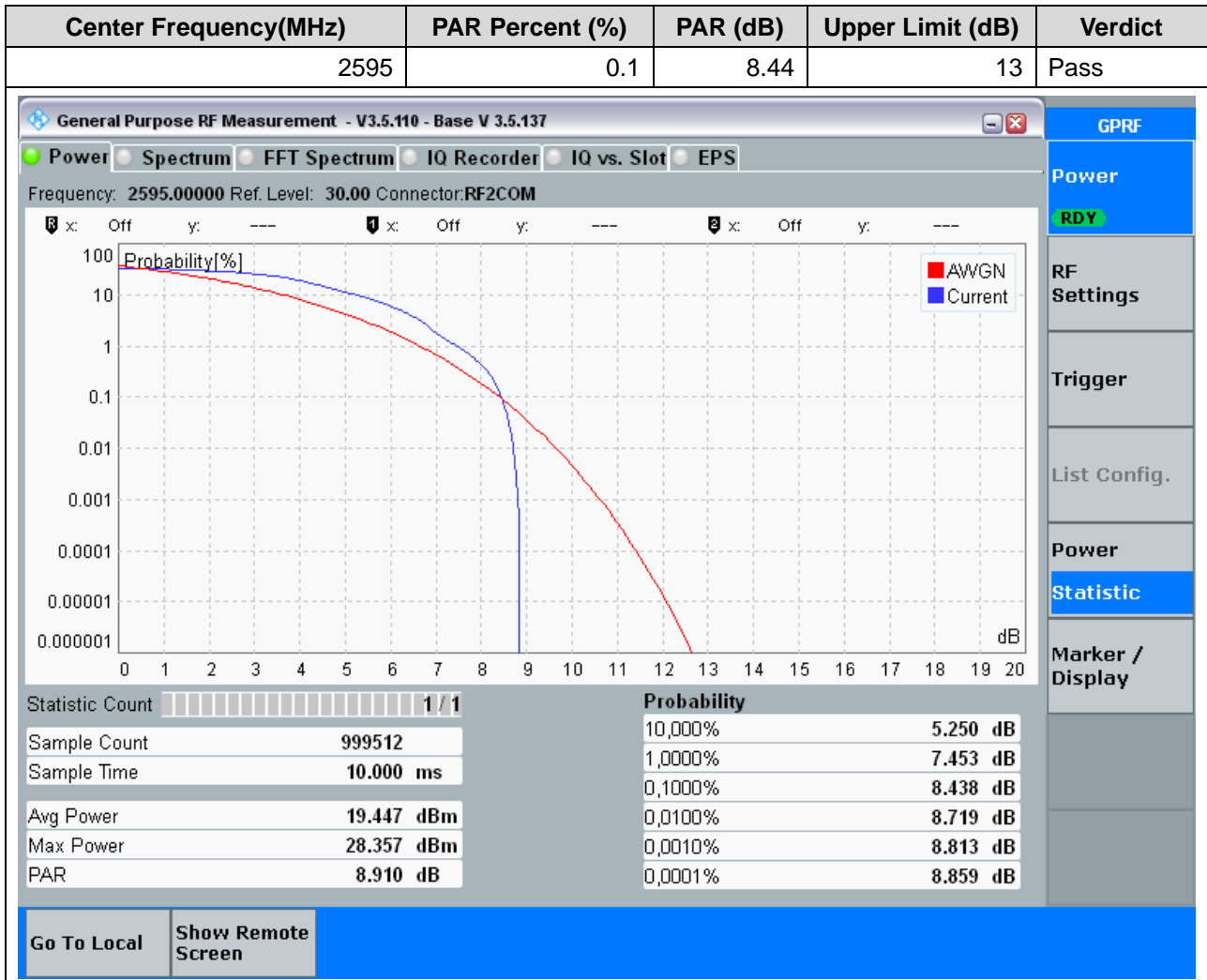
9.3. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:3, Channel:40140, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)



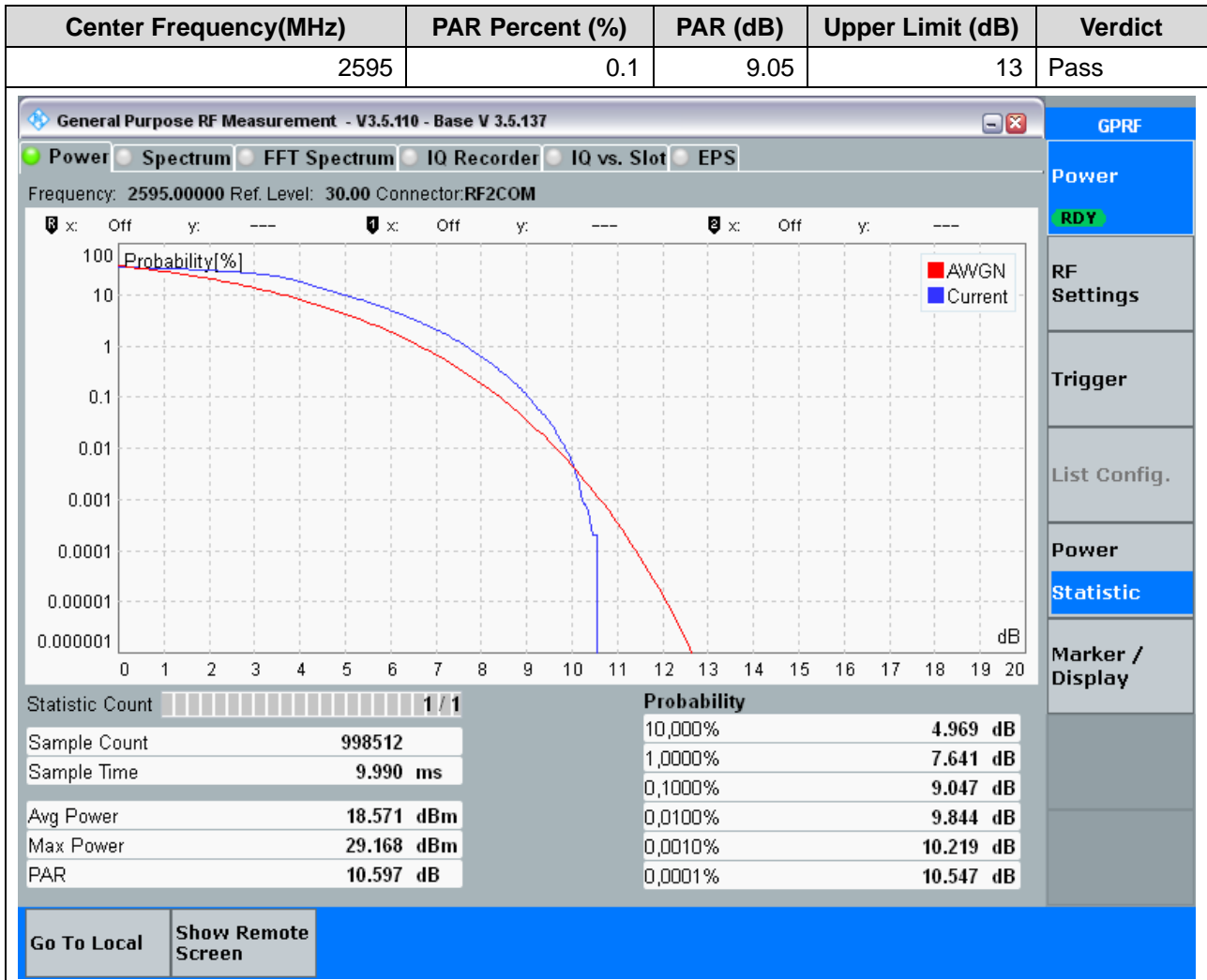
9.4. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:4, Channel:40140, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)



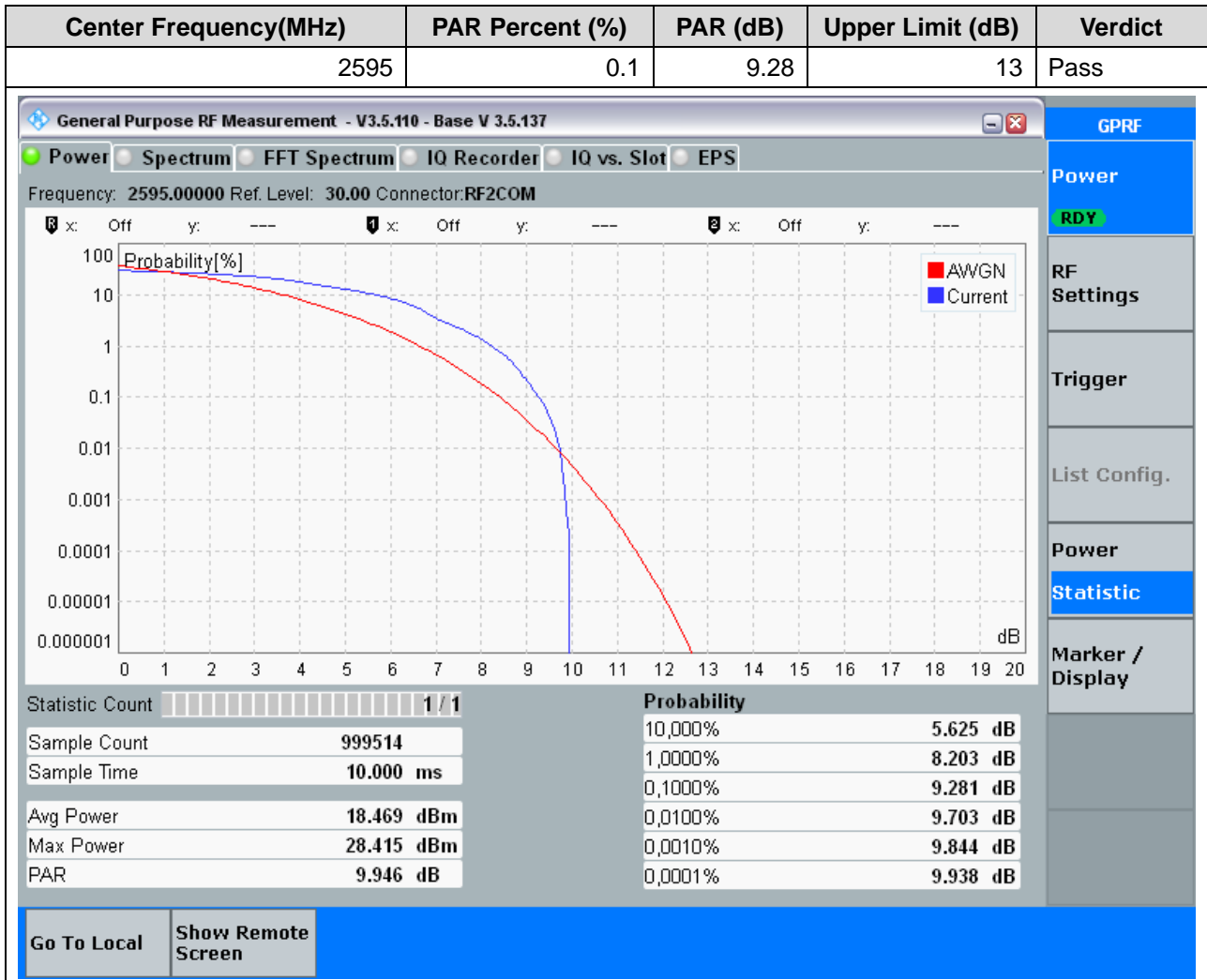
9.5. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:5, Channel:40640, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)



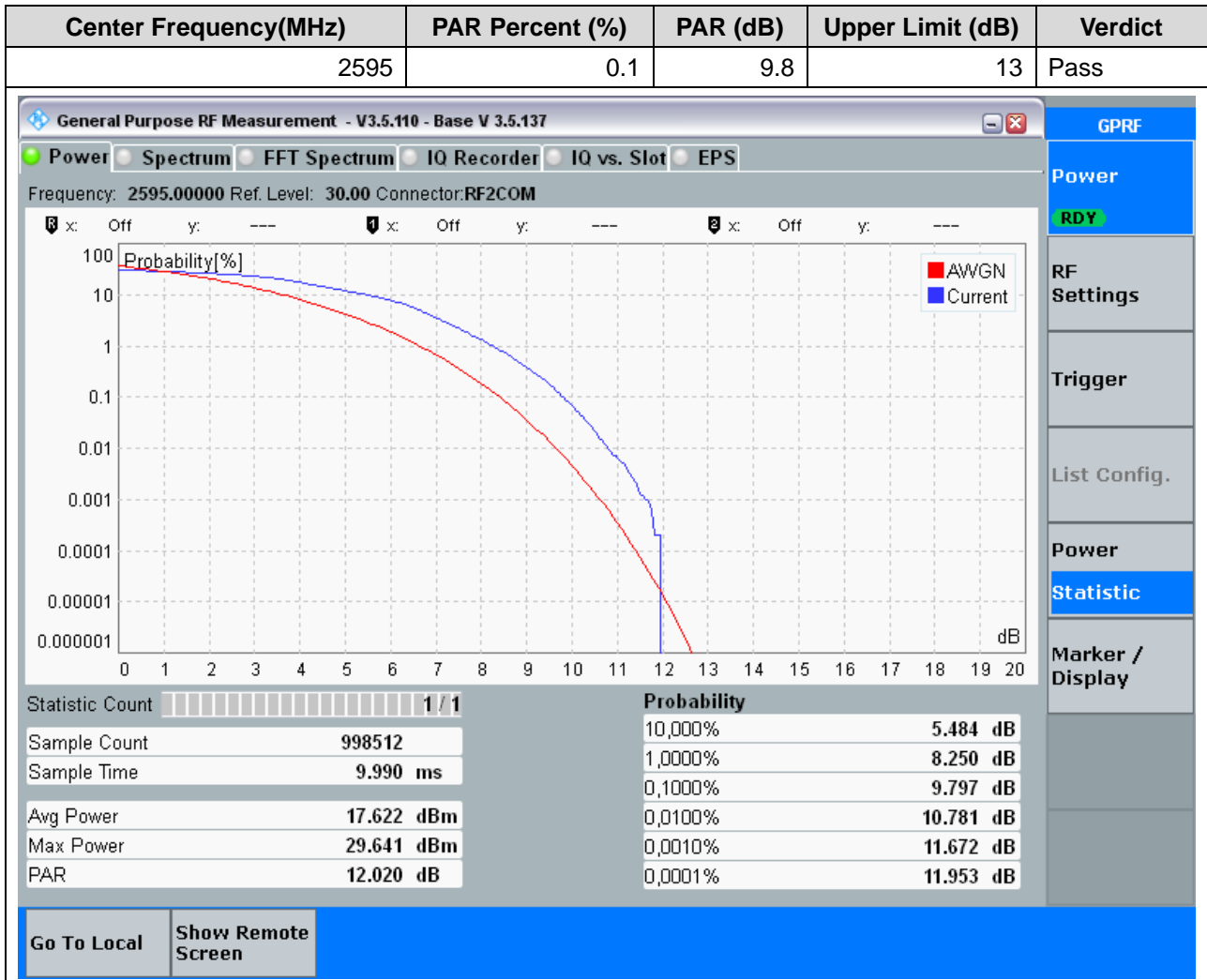
9.6. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:6, Channel:40640, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)



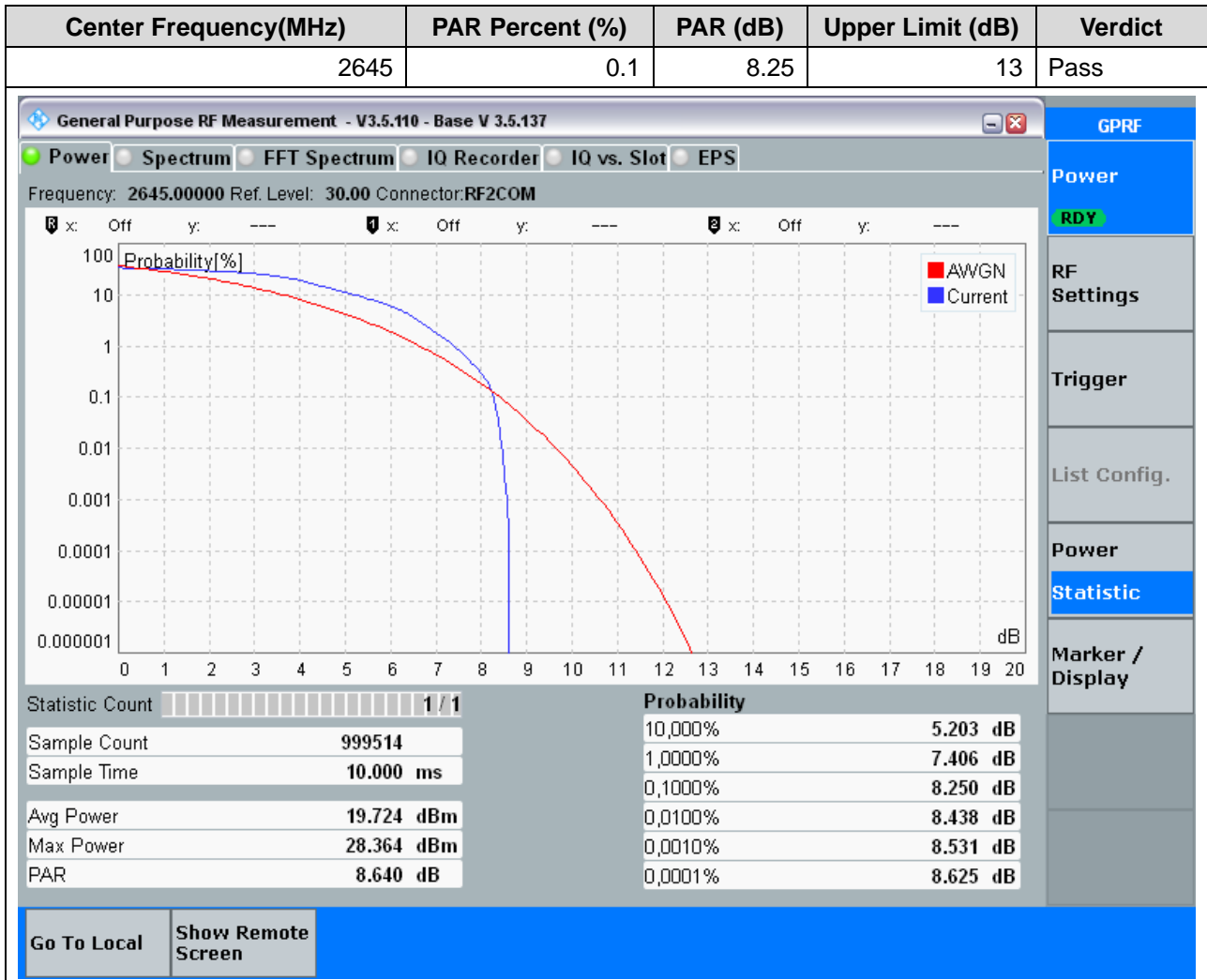
9.7. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:7, Channel:40640, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)



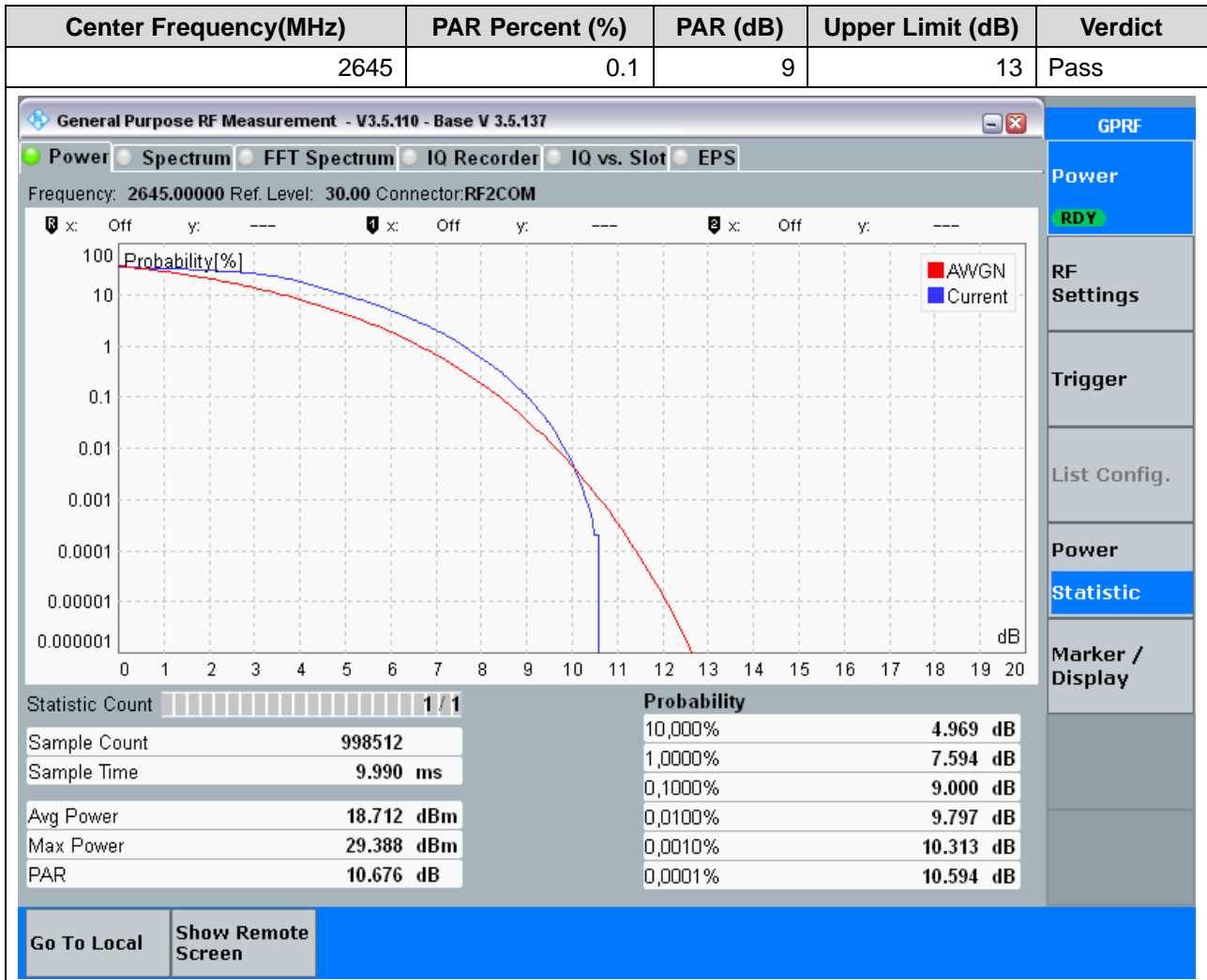
9.8. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:8, Channel:40640, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)



9.9. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:9, Channel:41140, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)



9.10. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:10, Channel:41140, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)

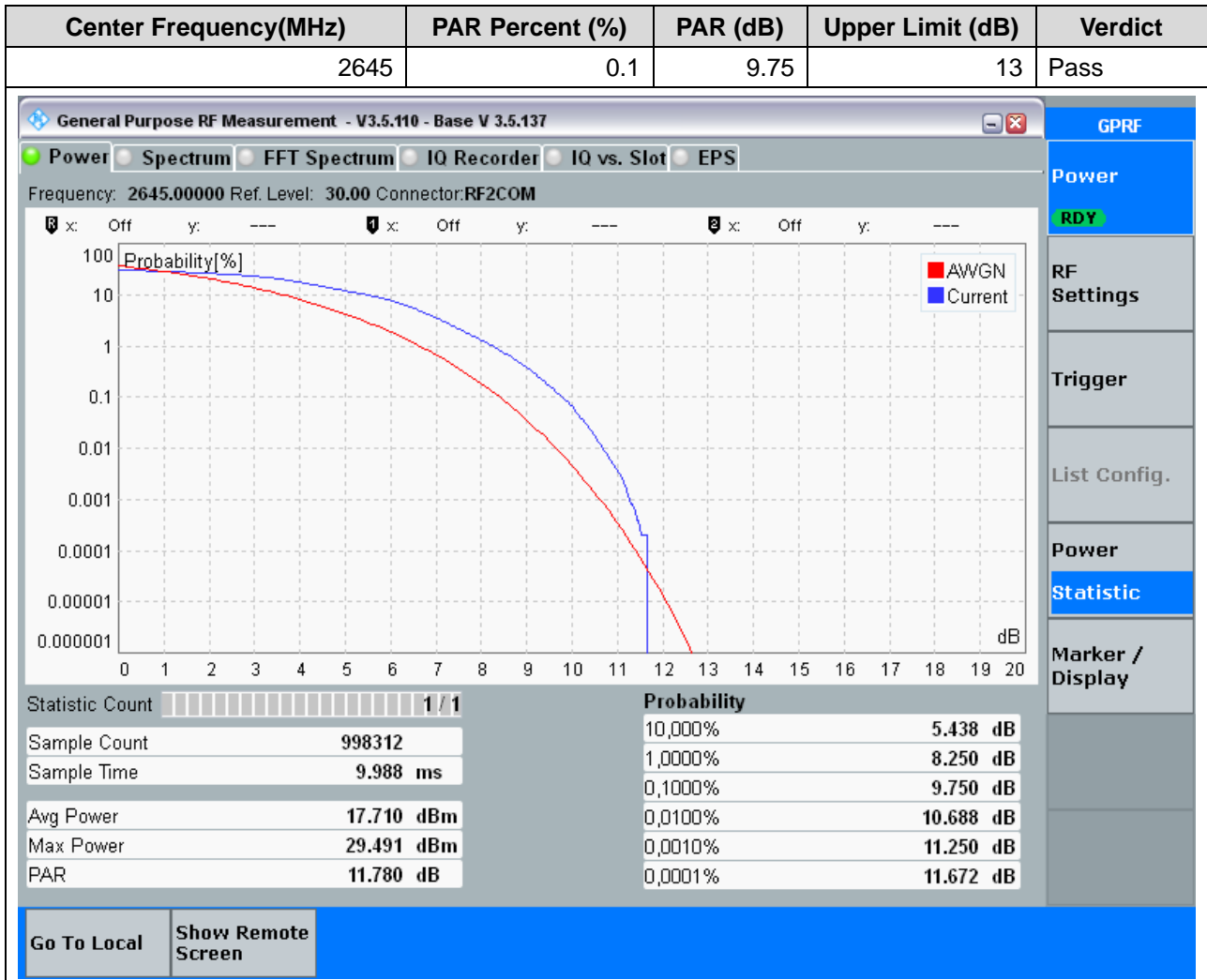


9.11. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:11, Channel:41140, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2645	0.1	9.19	13	Pass

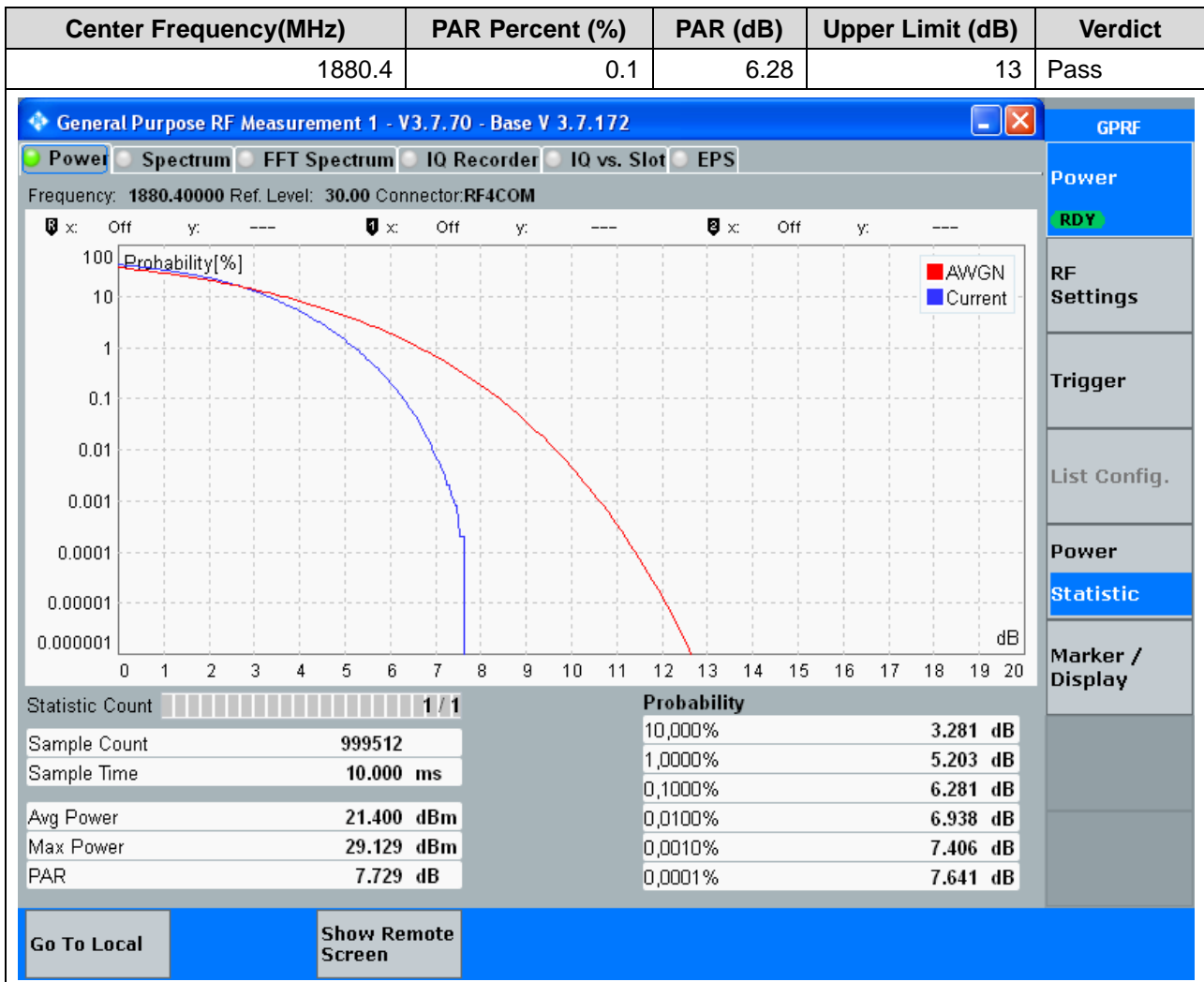
Statistic Count		Probability	
Sample Count	999714	10,000%	5.625 dB
Sample Time	10.002 ms	1,0000%	8.344 dB
Avg Power	18.701 dBm	0,1000%	9.188 dB
Max Power	28.332 dBm	0,0100%	9.469 dB
PAR	9.631 dB	0,0010%	9.563 dB
		0,0001%	9.609 dB

9.12. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:12, Channel:41140, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)

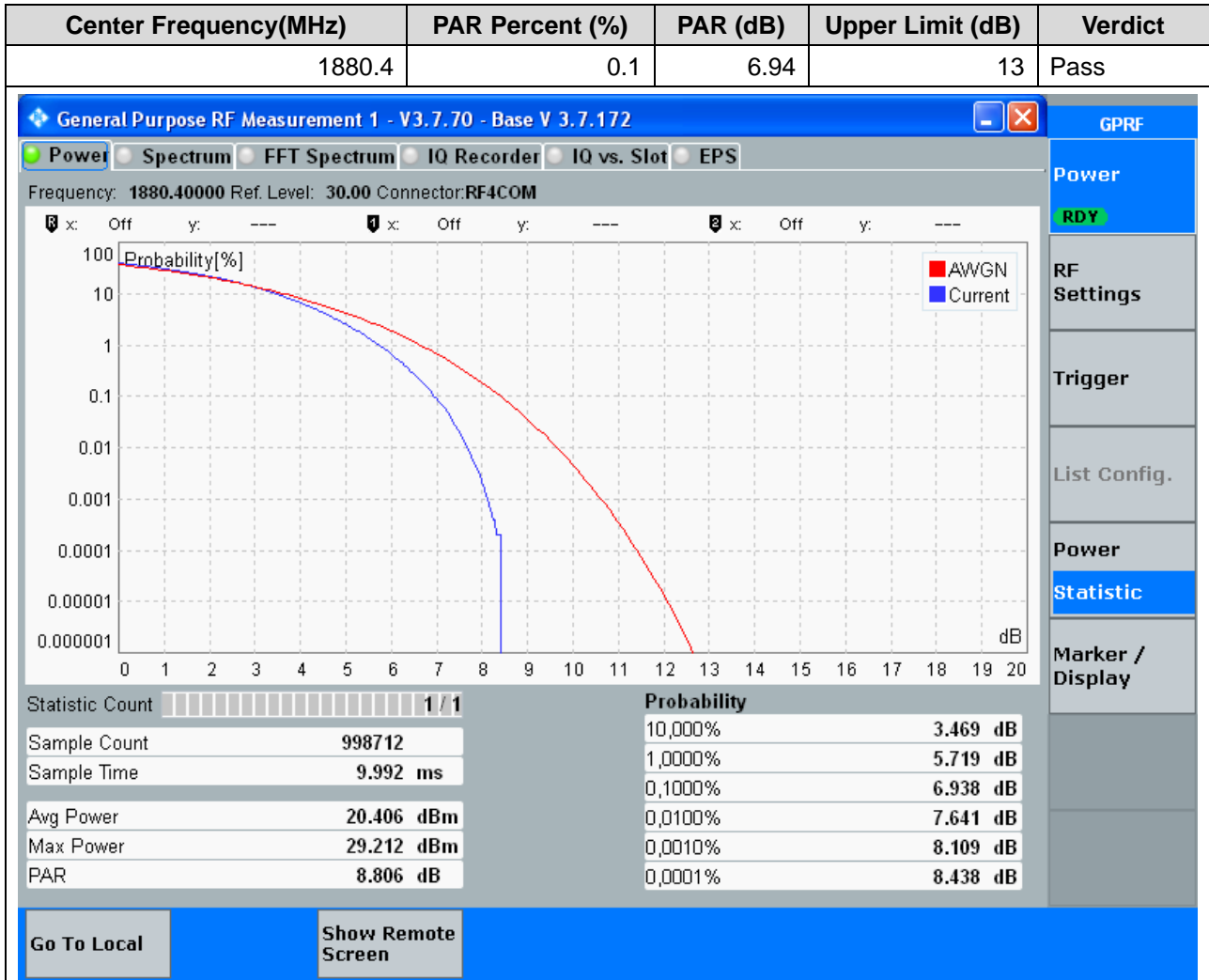


10. CA_2C

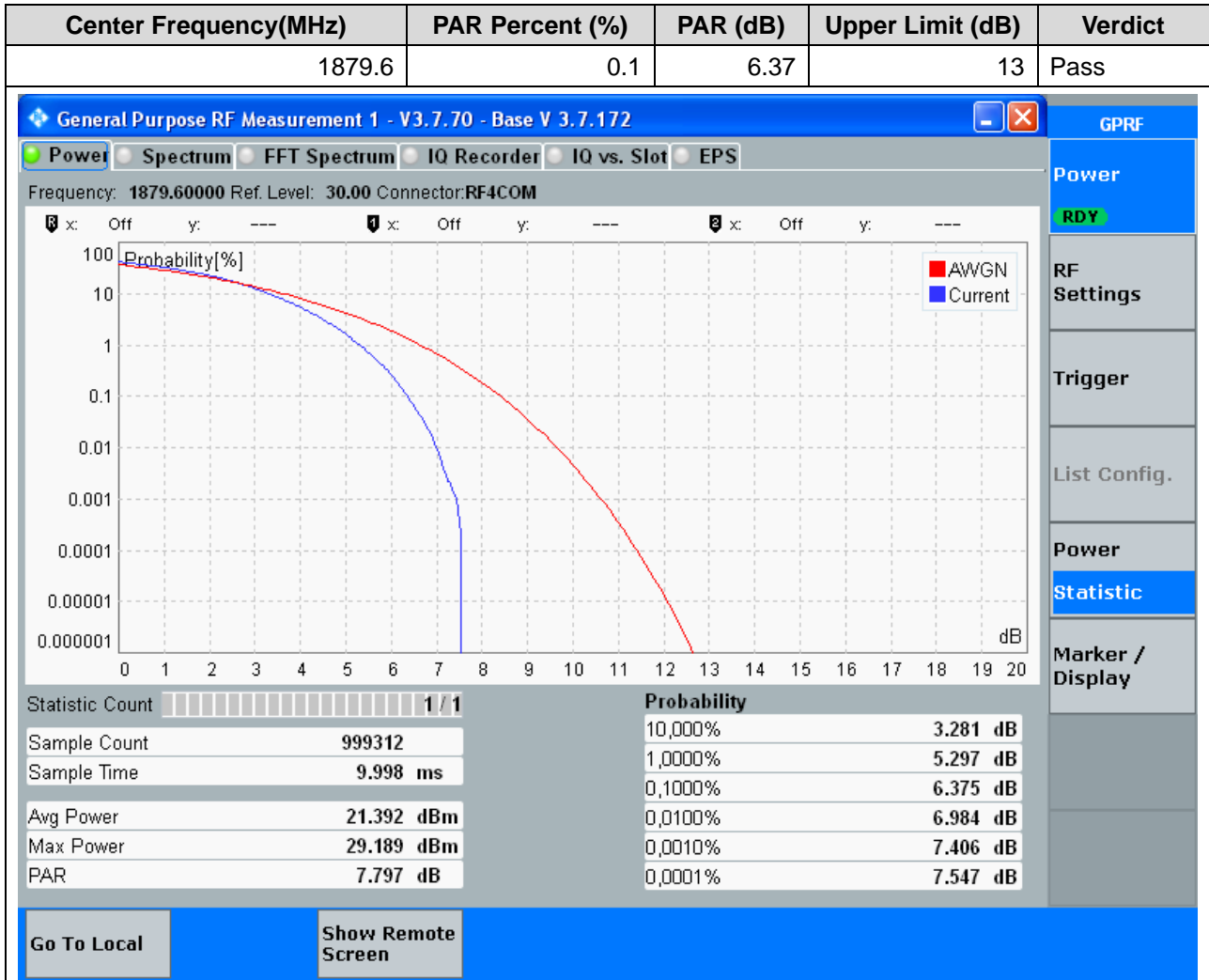
10.1. LTE-A Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:1, Channel:18808|18925, Bandwidth:5|20MHz, Modulation:QPSK, RB Number:Full|Full, RB Position:Low|Low)



10.2. LTE-A Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:2, Channel:18808|18925, Bandwidth:5|20MHz, Modulation:16QAM, RB Number:Full|Full, RB Position:Low|Low)



10.3. LTE-A Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:3, Channel:18875|18992, Bandwidth:20|5MHz, Modulation:QPSK, RB Number:Full|Full, RB Position:Low|Low)



10.4. LTE-A Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:4, Channel:18875|18992, Bandwidth:20|5MHz, Modulation:16QAM, RB Number:Full|Full, RB Position:Low|Low)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1879.6	0.1	7.03	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: 1879.60000 Ref. Level: 30.00 Connector:RF4COM

Statistic Count	1 / 1	Probability	
Sample Count	998714	10,000%	3.516 dB
Sample Time	9.992 ms	1,0000%	5.813 dB
Avg Power	20.379 dBm	0,1000%	7.031 dB
Max Power	29.213 dBm	0,0010%	8.297 dB
PAR	8.834 dB	0,0001%	8.672 dB

Go To Local Show Remote Screen

10.5. LTE-A Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:5, Channel:18806|18950, Bandwidth:10|20MHz, Modulation:QPSK, RB Number:Full|Full, RB Position:Low|Low)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880.3	0.1	6.28	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: 1880.30000 Ref. Level: 30.00 Connector:RF4COM

Statistic Count	Value	Probability	Value
Sample Count	999312	10,000%	3.281 dB
Sample Time	9.998 ms	1,0000%	5.203 dB
Avg Power	21.391 dBm	0,1000%	6.281 dB
Max Power	29.389 dBm	0,0010%	7.453 dB
PAR	7.998 dB	0,0001%	7.922 dB

Go To Local Show Remote Screen

**10.6. LTE-A Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:6,
Channel:18806|18950, Bandwidth:10|20MHz, Modulation:16QAM, RB
Number:Full|Full, RB Position:Low|Low)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880.3	0.1	6.98	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: 1880.30000 Ref. Level: 30.00 Connector:RF4COM

Statistic Count	Value	Probability	Value
Sample Count	998712	10,000%	3.422 dB
Sample Time	9.992 ms	1,0000%	5.719 dB
Avg Power	20.349 dBm	0,1000%	6.984 dB
Max Power	29.043 dBm	0,0010%	8.297 dB
PAR	8.693 dB	0,0001%	8.484 dB

Go To Local Show Remote Screen

10.7. LTE-A Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:7, Channel:18851|18995, Bandwidth:20|10MHz, Modulation:QPSK, RB Number:Full|Full, RB Position:Low|Low)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1879.8	0.1	6.37	13	Pass

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

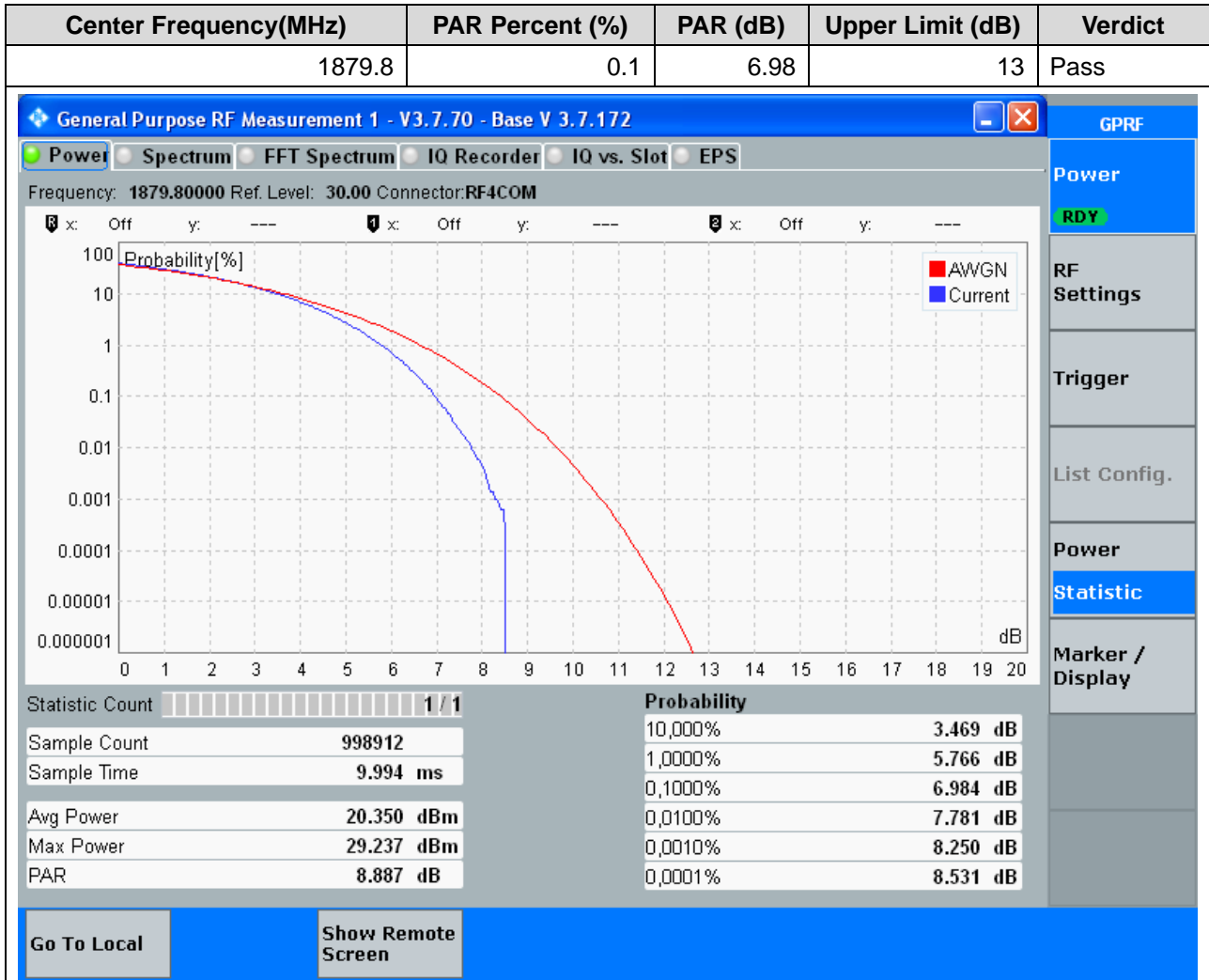
Power Spectrum FFT Spectrum IQ Recorder IQ vs. Slot EPS

Frequency: 1879.80000 Ref. Level: 30.00 Connector:RF4COM

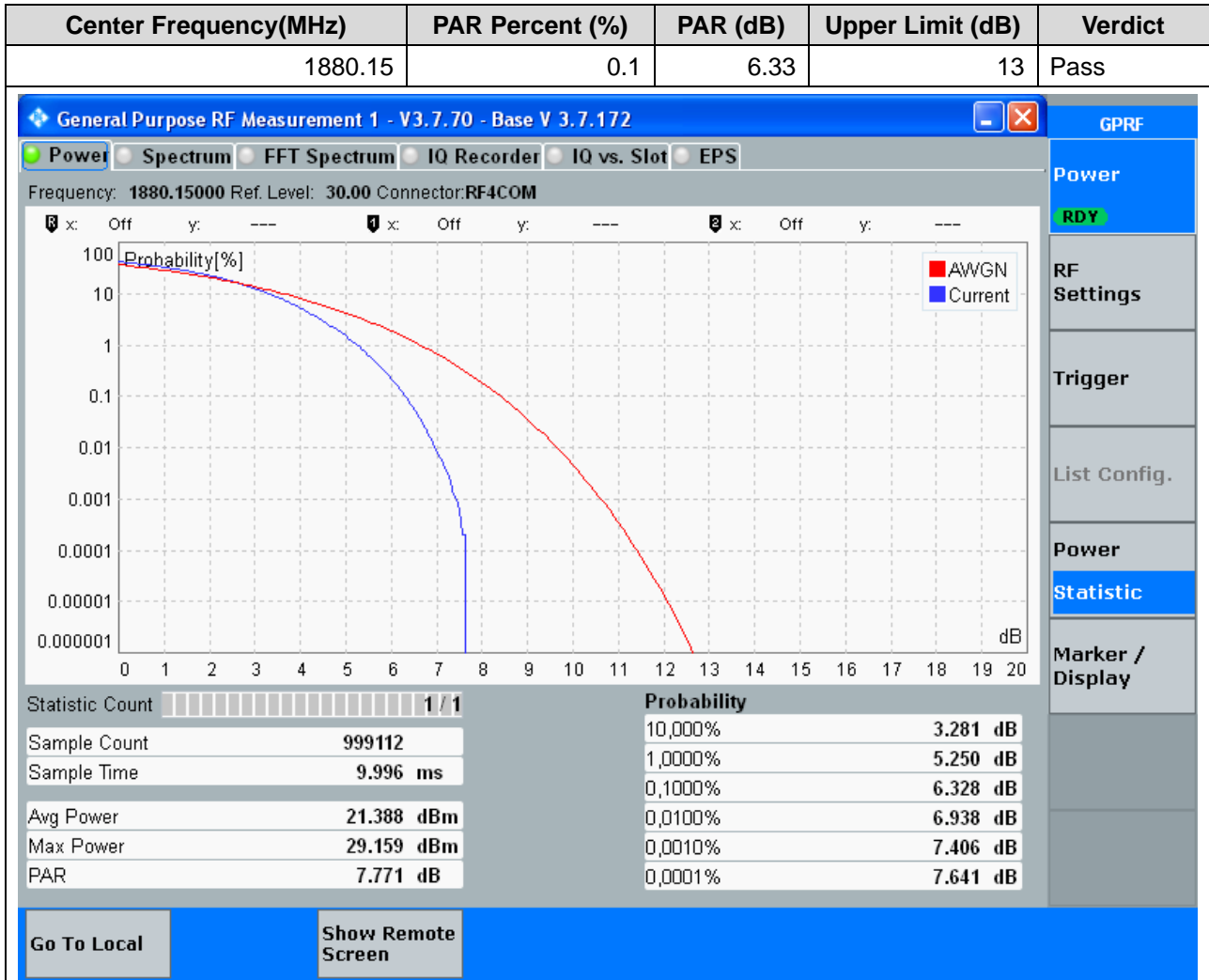
Statistic Count	Value	Probability	Value
Sample Count	999312	10,000%	3.328 dB
Sample Time	9.998 ms	1,0000%	5.297 dB
Avg Power	21.354 dBm	0,1000%	6.375 dB
Max Power	29.234 dBm	0,0010%	7.453 dB
PAR	7.881 dB	0,0001%	7.781 dB

Go To Local Show Remote Screen

**10.8. LTE-A Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:8,
Channel:18851|18995, Bandwidth:20|10MHz, Modulation:16QAM, RB
Number:Full|Full, RB Position:Low|Low)**



**10.9. LTE-A Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:9,
Channel:18829|18949, Bandwidth:10|15MHz, Modulation:QPSK, RB
Number:Full|Full, RB Position:Low|Low)**



10.10. LTE-A Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:10, Channel:18829|18949, Bandwidth:10|15MHz, Modulation:16QAM, RB Number:Full|Full, RB Position:Low|Low)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880.15	0.1	6.98	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: 1880.15000 Ref. Level: 30.00 Connector:RF4COM

Statistic Count	Value	Probability	Value
Sample Count	998912	10,000%	3.469 dB
Sample Time	9.994 ms	1,0000%	5.813 dB
Avg Power	20.424 dBm	0,1000%	6.984 dB
Max Power	29.104 dBm	0,0010%	8.250 dB
PAR	8.680 dB	0,0001%	8.578 dB

Go To Local Show Remote Screen

10.11. LTE-A Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:11, Channel:18851|18971, Bandwidth:15|10MHz, Modulation:QPSK, RB Number:Full|Full, RB Position:Low|Low)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1879.85	0.1	6.47	13	Pass

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

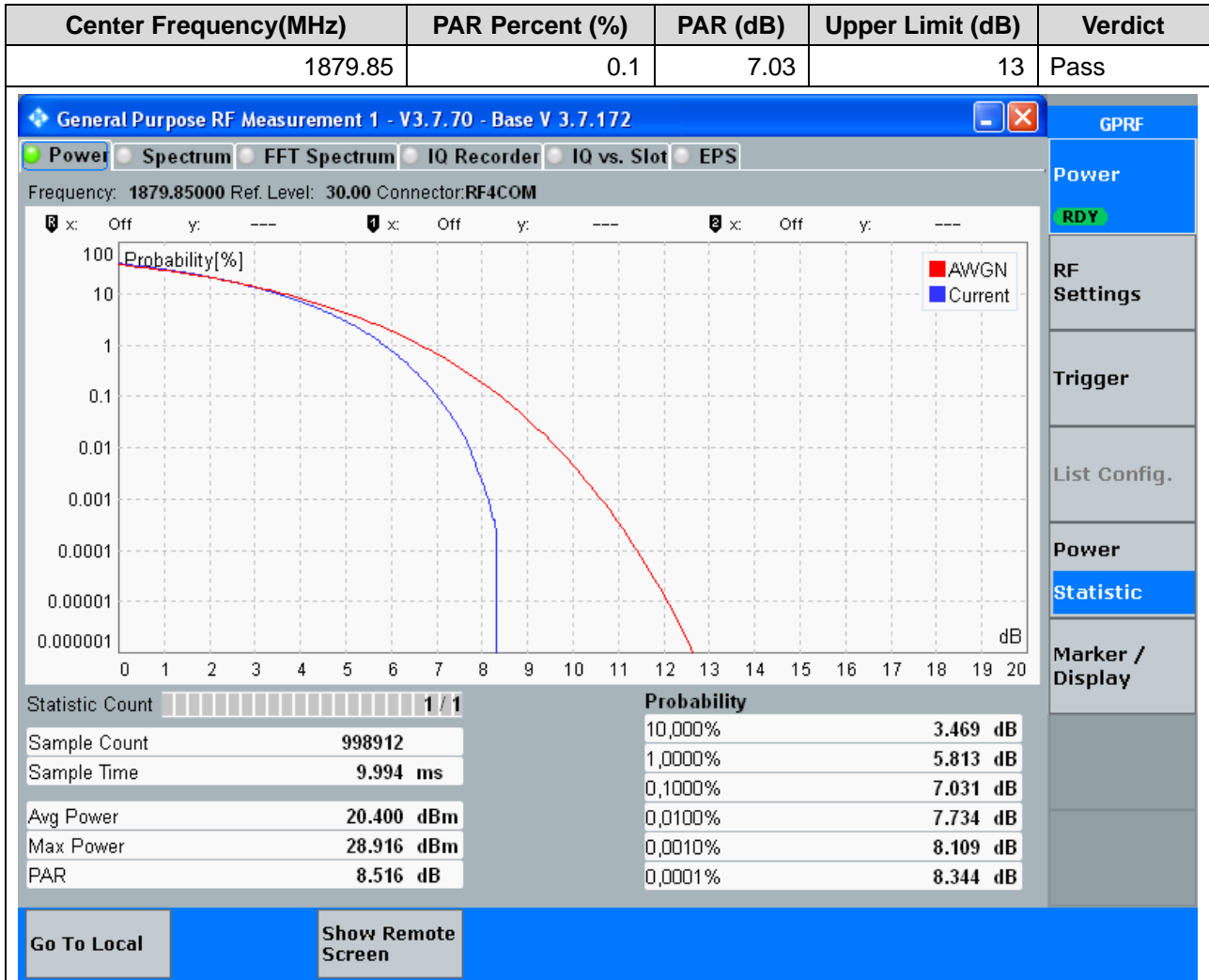
Power Spectrum FFT Spectrum IQ Recorder IQ vs. Slot EPS

Frequency: 1879.85000 Ref. Level: 30.00 Connector:RF4COM

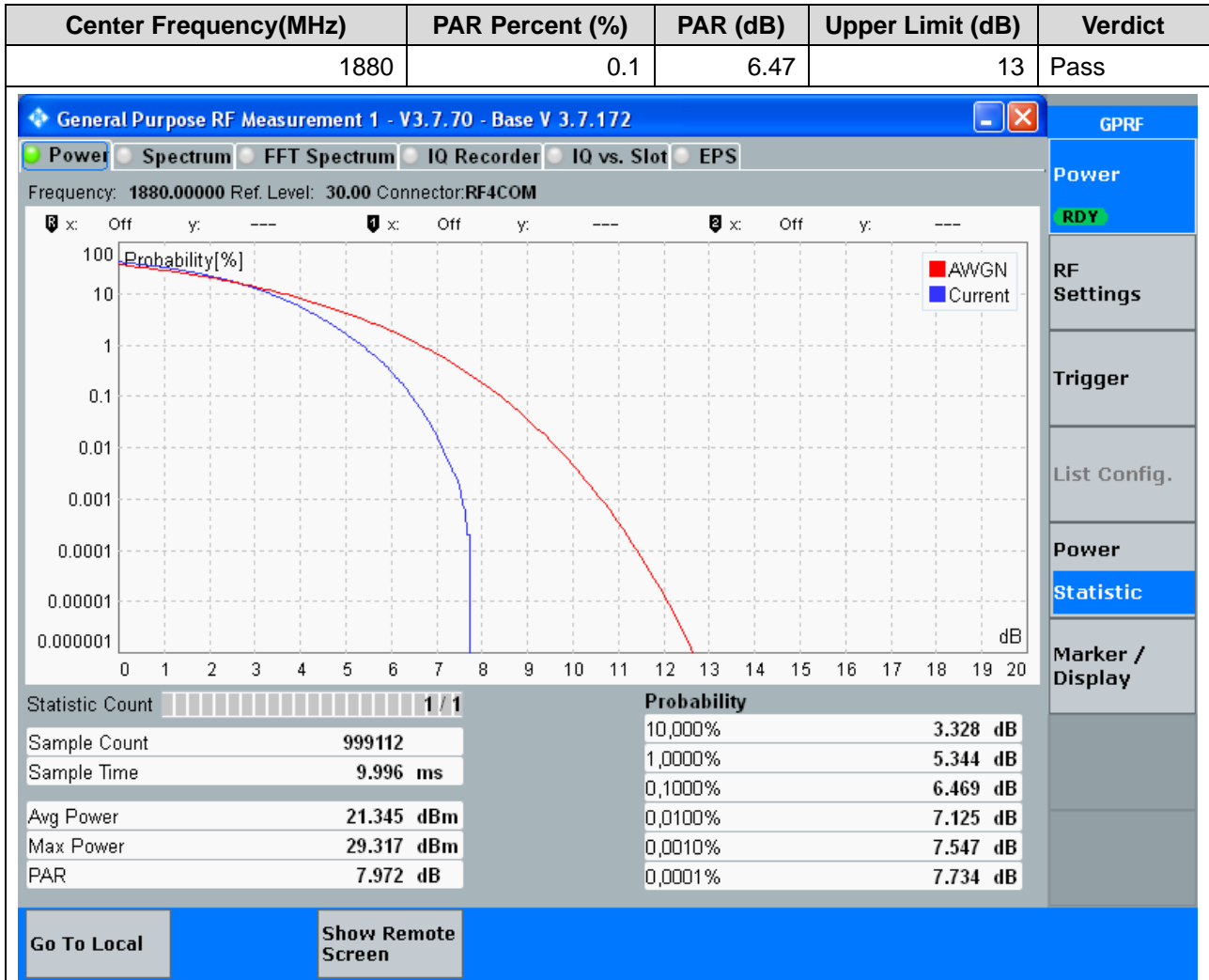
Statistic Count	Value	Probability	Value
Sample Count	999112	10,000%	3.328 dB
Sample Time	9.996 ms	1,0000%	5.391 dB
Avg Power	21.406 dBm	0,1000%	6.469 dB
Max Power	29.088 dBm	0,0010%	7.453 dB
PAR	7.682 dB	0,0001%	7.594 dB

Go To Local Show Remote Screen

10.12. LTE-A Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:12, Channel:18851|18971, Bandwidth:15|10MHz, Modulation:16QAM, RB Number:Full|Full, RB Position:Low|Low)



10.13. LTE-A Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:13, Channel:18825|18975, Bandwidth:15|15MHz, Modulation:QPSK, RB Number:Full|Full, RB Position:Low|Low)



10.14. LTE-A Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:14, Channel:18825|18975, Bandwidth:15|15MHz, Modulation:16QAM, RB Number:Full|Full, RB Position:Low|Low)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	7.12	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: 1880.00000 Ref. Level: 30.00 Connector:RF4COM

Statistic Count	Value	Probability	Value
Sample Count	998912	10,000%	3.516 dB
Sample Time	9.994 ms	1,0000%	5.859 dB
Avg Power	20.342 dBm	0,1000%	7.125 dB
Max Power	29.238 dBm	0,0010%	8.391 dB
PAR	8.895 dB	0,0001%	8.766 dB

Go To Local Show Remote Screen

10.15. LTE-A Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:15, Channel:18803|18974, Bandwidth:15|20MHz, Modulation:QPSK, RB Number:Full|Full, RB Position:Low|Low)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880.1	0.1	6.33	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: 1880.10000 Ref. Level: 30.00 Connector:RF4COM

Statistic Count	Value	Probability	Value
Sample Count	999112	10,000%	3.281 dB
Sample Time	19.992 ms	1,0000%	5.250 dB
Avg Power	21.331 dBm	0,1000%	6.328 dB
Max Power	29.031 dBm	0,0010%	7.359 dB
PAR	7.700 dB	0,0001%	7.547 dB

Go To Local Show Remote Screen

10.16. LTE-A Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:16, Channel:18803|18974, Bandwidth:15|20MHz, Modulation:16QAM, RB Number:Full|Full, RB Position:Low|Low)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880.1	0.1	6.94	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: 1880.10000 Ref. Level: 30.00 Connector:RF4COM

Statistic Count	Value	Probability	Value
Sample Count	1023880	10,000%	3.469 dB
Sample Time	20.488 ms	1,0000%	5.766 dB
Avg Power	20.308 dBm	0,1000%	6.938 dB
Max Power	29.107 dBm	0,0010%	8.344 dB
PAR	8.799 dB	0,0001%	8.625 dB

Go To Local Show Remote Screen

10.17. LTE-A Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:17, Channel:18826|18997, Bandwidth:20|15MHz, Modulation:QPSK, RB Number:Full|Full, RB Position:Low|Low)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1879.9	0.1	6.33	13	Pass

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

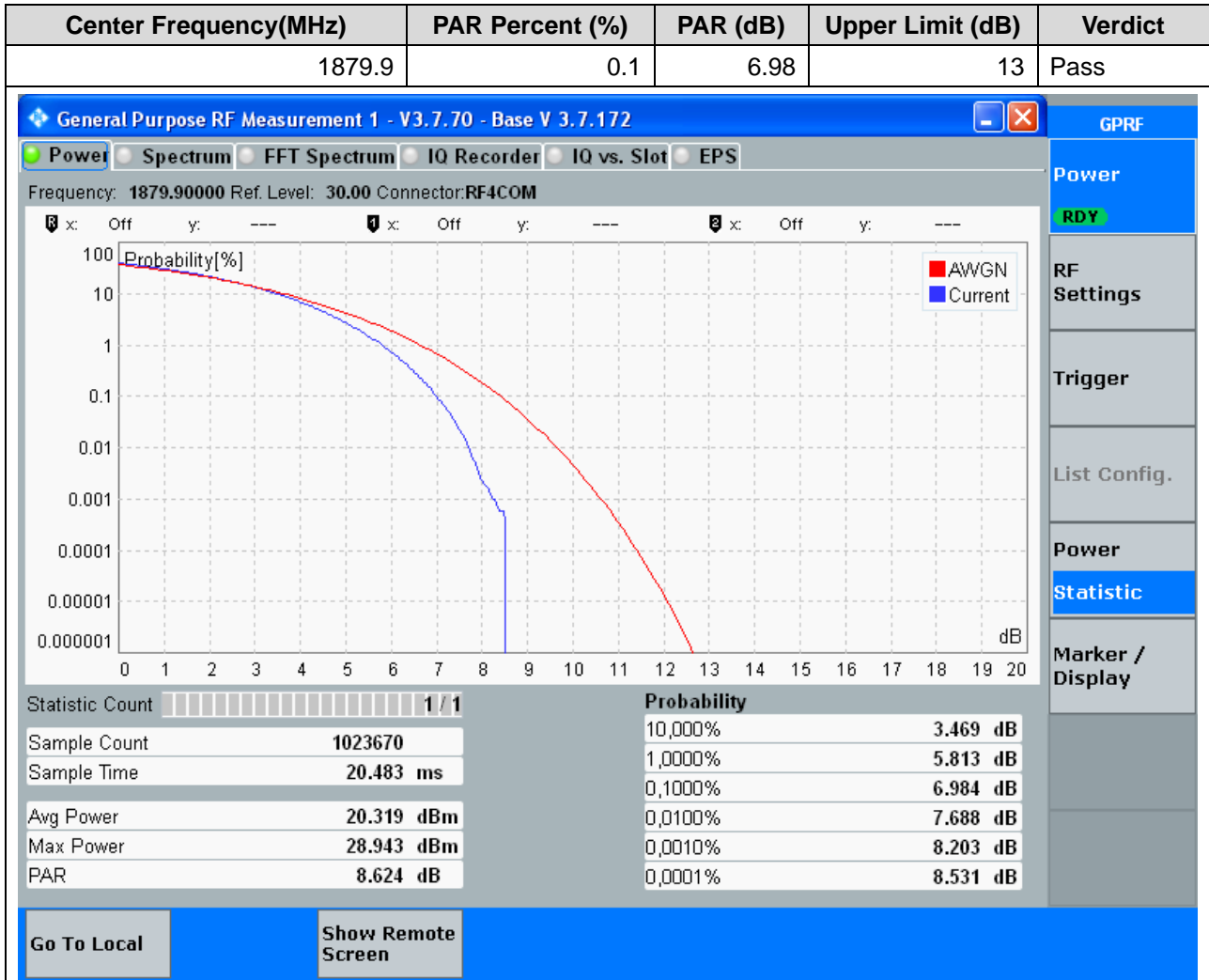
Power Spectrum FFT Spectrum IQ Recorder IQ vs. Slot EPS

Frequency: 1879.90000 Ref. Level: 30.00 Connector:RF4COM

Statistic Count	Value	Probability	Value
Sample Count	999312	10,000%	3.328 dB
Sample Time	19.996 ms	1,0000%	5.297 dB
Avg Power	21.325 dBm	0,1000%	6.328 dB
Max Power	28.966 dBm	0,0010%	7.500 dB
PAR	7.640 dB	0,0001%	7.594 dB

Go To Local Show Remote Screen

10.18. LTE-A Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:18, Channel:18826|18997, Bandwidth:20|15MHz, Modulation:16QAM, RB Number:Full|Full, RB Position:Low|Low)



10.19. LTE-A Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:19, Channel:18801|18999, Bandwidth:20|20MHz, Modulation:QPSK, RB Number:Full|Full, RB Position:Low|Low)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	6.28	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: 1880.00000 Ref. Level: 30.00 Connector:RF4COM

Statistic Count	Value	Probability	Value
Sample Count	999312	10,000%	3.328 dB
Sample Time	19.996 ms	1,0000%	5.203 dB
Avg Power	21.304 dBm	0,1000%	6.281 dB
Max Power	29.111 dBm	0,0010%	7.453 dB
PAR	7.807 dB	0,0001%	7.688 dB

Go To Local Show Remote Screen

10.20. LTE-A Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:20, Channel:18801|18999, Bandwidth:20|20MHz, Modulation:16QAM, RB Number:Full|Full, RB Position:Low|Low)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	6.98	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: 1880.00000 Ref. Level: 30.00 Connector:RF4COM

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

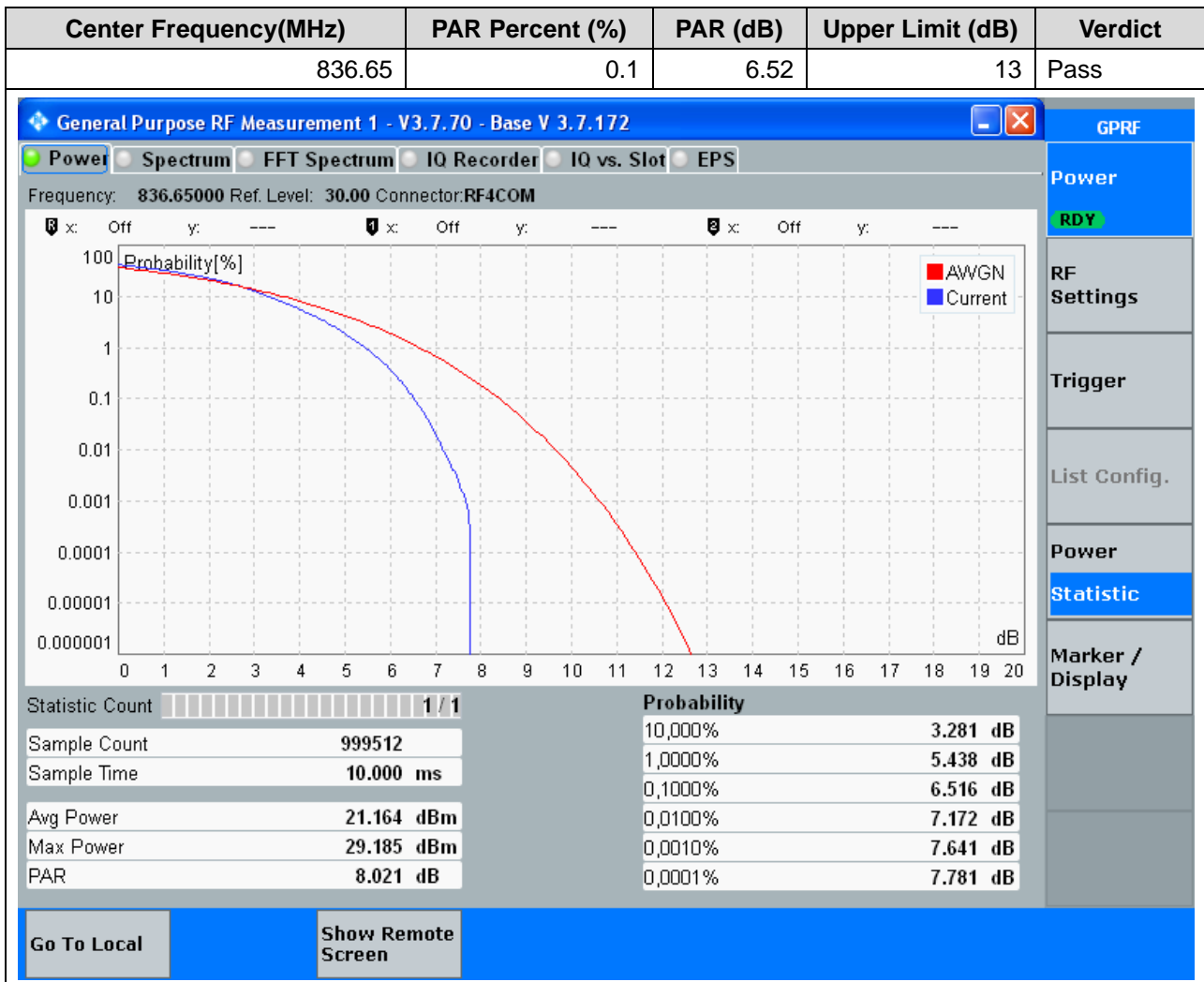
Statistic Count	
Sample Count	1023879
Sample Time	20.488 ms
Avg Power	20.303 dBm
Max Power	29.065 dBm
PAR	8.761 dB

Probability	
10,000%	3.422 dB
1,0000%	5.719 dB
0,1000%	6.984 dB
0,0100%	7.734 dB
0,0010%	8.297 dB
0,0001%	8.672 dB

Go To Local
Show Remote Screen

11. CA_5B

11.1. LTE-A Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:1, Channel:20478|20550, Bandwidth:5|10MHz, Modulation:QPSK, RB Number:Full|Full, RB Position:Low|Low)



11.2. LTE-A Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:2, Channel:20478|20550, Bandwidth:5|10MHz, Modulation:16QAM, RB Number:Full|Full, RB Position:Low|Low)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
836.65	0.1	7.12	13	Pass

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

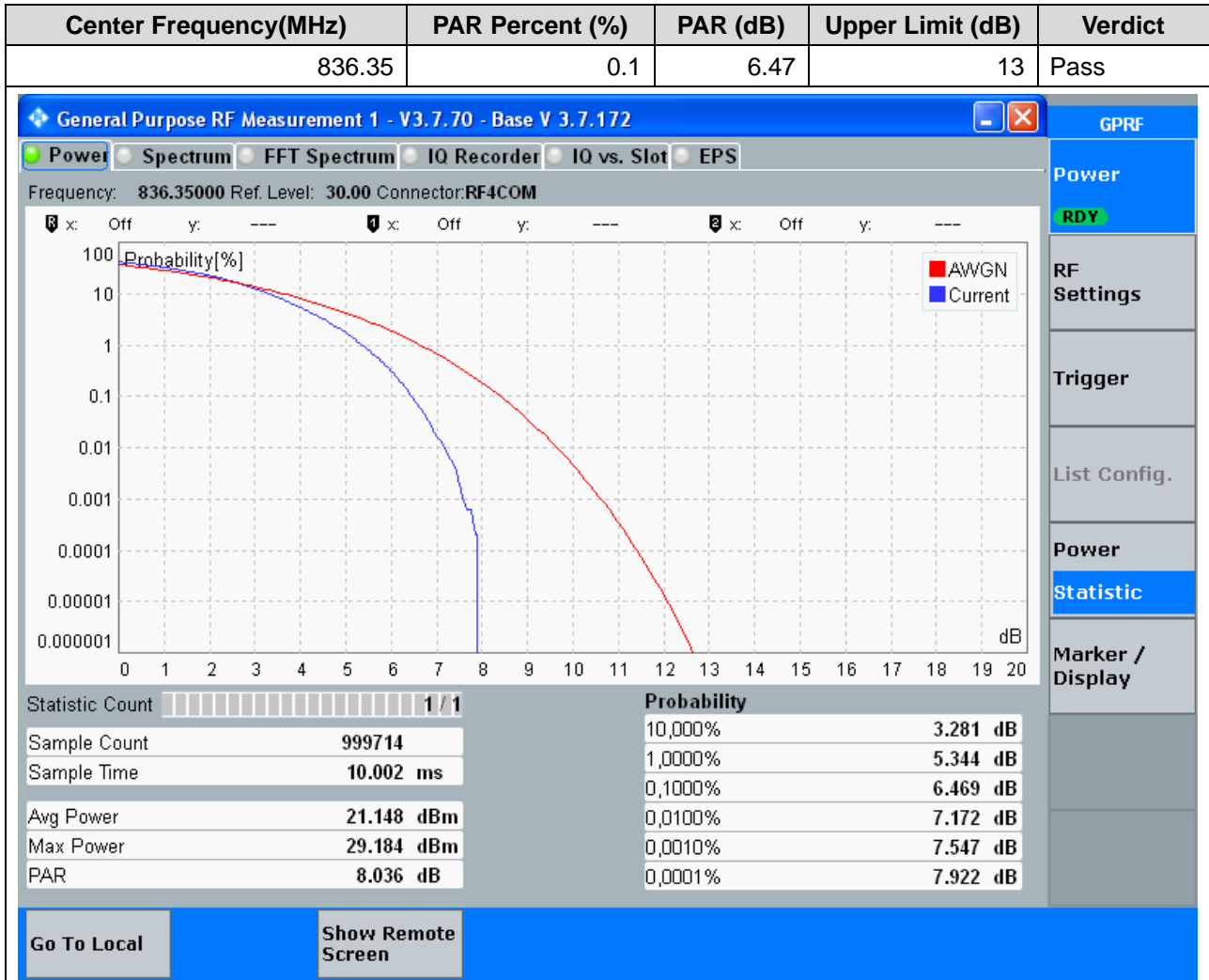
Power Spectrum FFT Spectrum IQ Recorder IQ vs. Slot EPS

Frequency: 836.65000 Ref. Level: 30.00 Connector:RF4COM

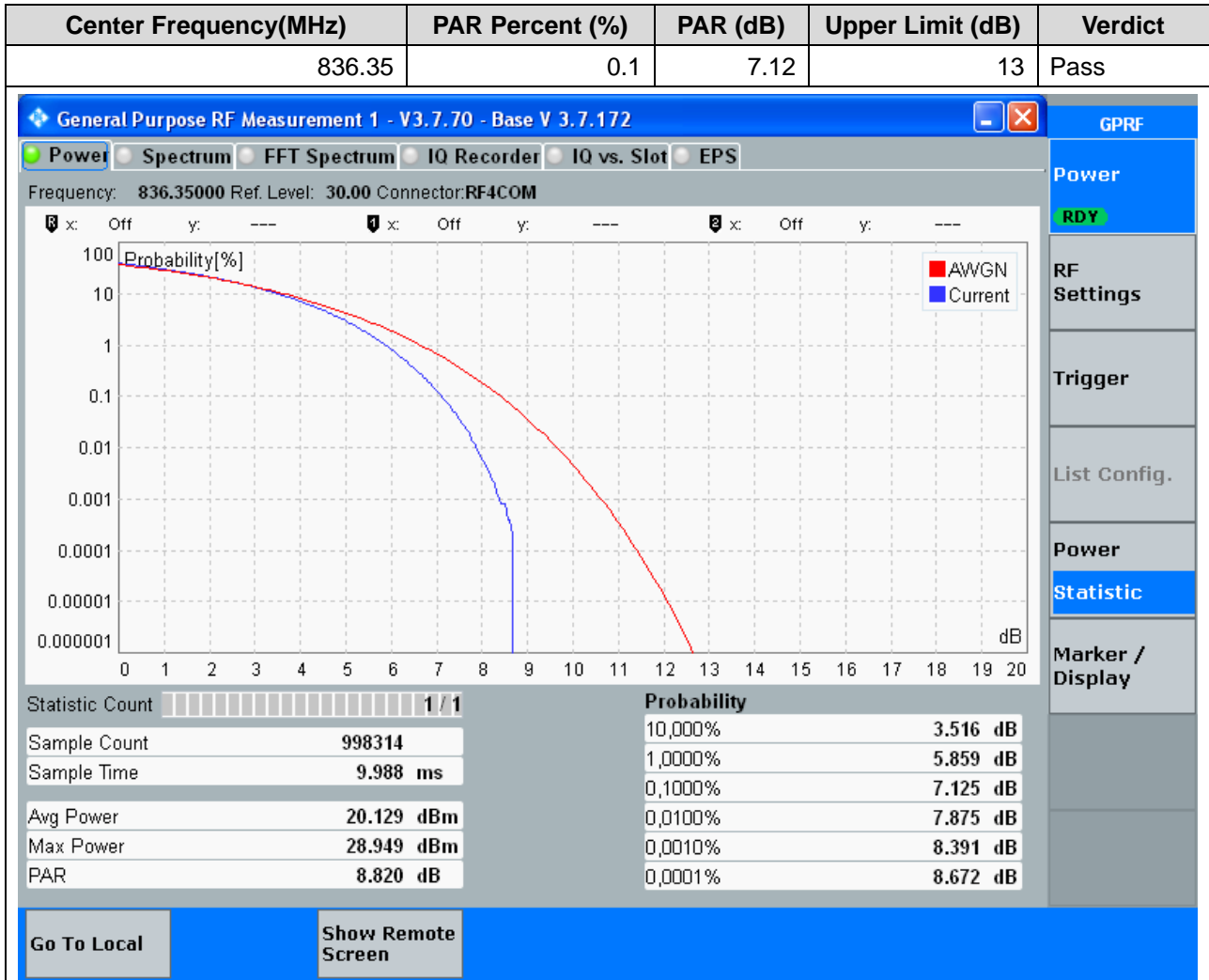
Statistic Count	Value	Probability	Value
Sample Count	998512	10,000%	3.516 dB
Sample Time	9.990 ms	1,0000%	5.859 dB
Avg Power	20.163 dBm	0,1000%	7.125 dB
Max Power	29.361 dBm	0,0010%	8.531 dB
PAR	9.199 dB	0,0001%	8.953 dB

Go To Local Show Remote Screen

11.3. LTE-A Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:3, Channel:20500|20572, Bandwidth:10|5MHz, Modulation:QPSK, RB Number:Full|Full, RB Position:Low|Low)



11.4. LTE-A Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:4, Channel:20500|20572, Bandwidth:10|5MHz, Modulation:16QAM, RB Number:Full|Full, RB Position:Low|Low)



11.5. LTE-A Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:5, Channel:20476|20575, Bandwidth:10|10MHz, Modulation:QPSK, RB Number:Full|Full, RB Position:Low|Low)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
836.55	0.1	6.66	13	Pass

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

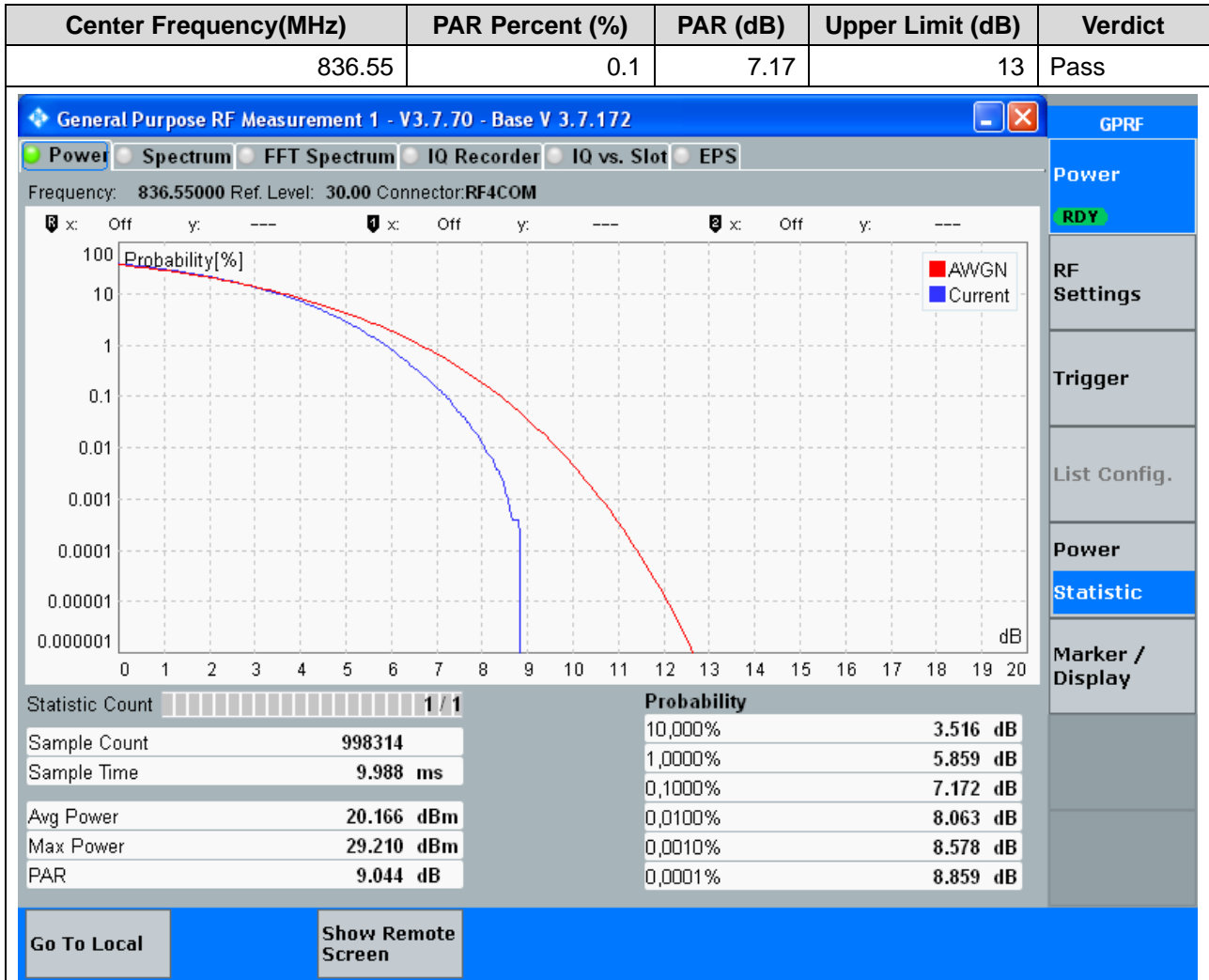
Power Spectrum FFT Spectrum IQ Recorder IQ vs. Slot EPS

Frequency: 836.55000 Ref. Level: 30.00 Connector:RF4COM

Statistic Count	1 / 1	Probability	
Sample Count	999712	10,000%	3.281 dB
Sample Time	10.002 ms	1,0000%	5.438 dB
Avg Power	21.178 dBm	0,1000%	6.656 dB
Max Power	29.569 dBm	0,0010%	7.969 dB
PAR	8.391 dB	0,0001%	8.250 dB

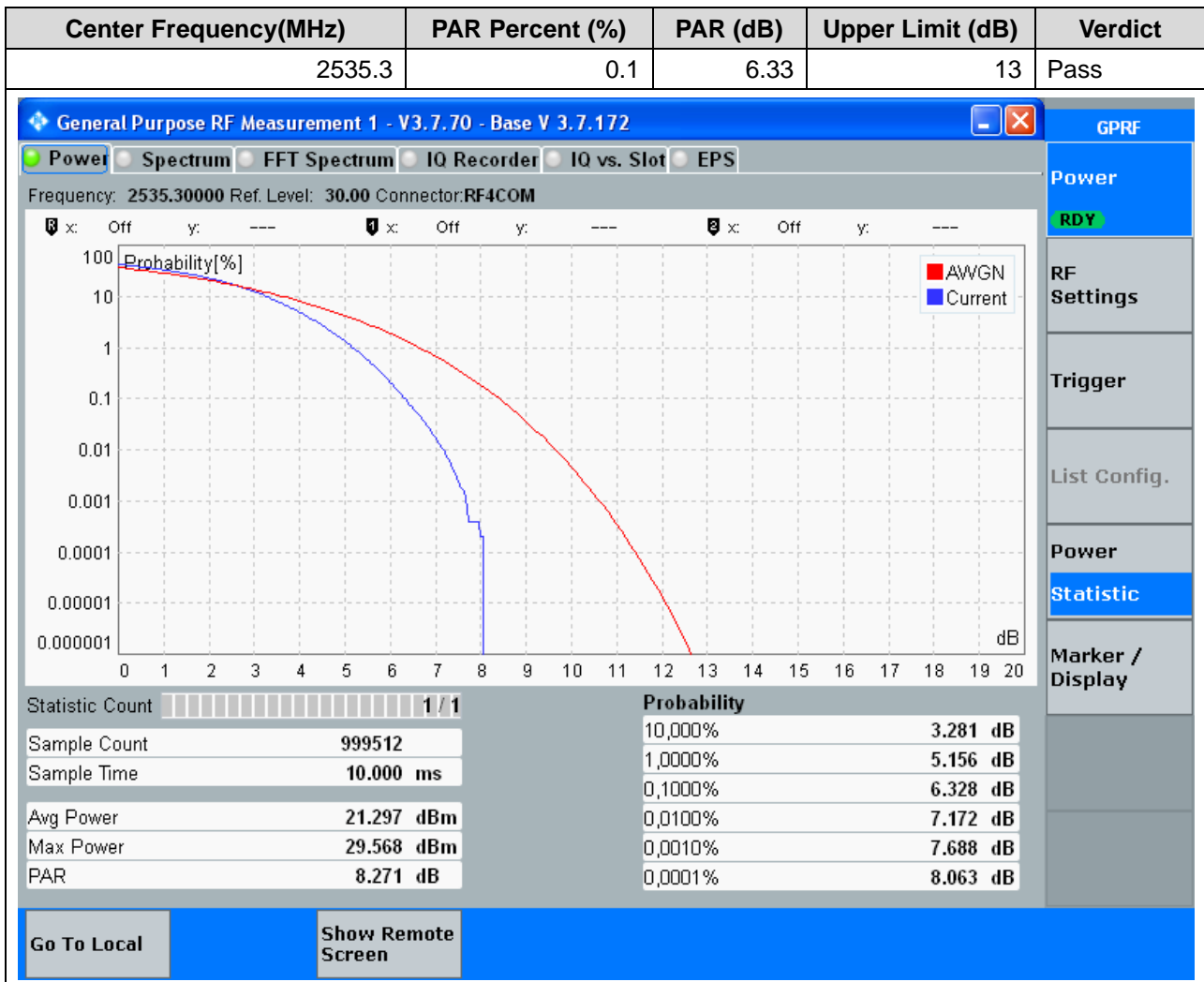
Go To Local Show Remote Screen

**11.6. LTE-A Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:6,
Channel:20476|20575, Bandwidth:10|10MHz, Modulation:16QAM, RB
Number:Full|Full, RB Position:Low|Low)**

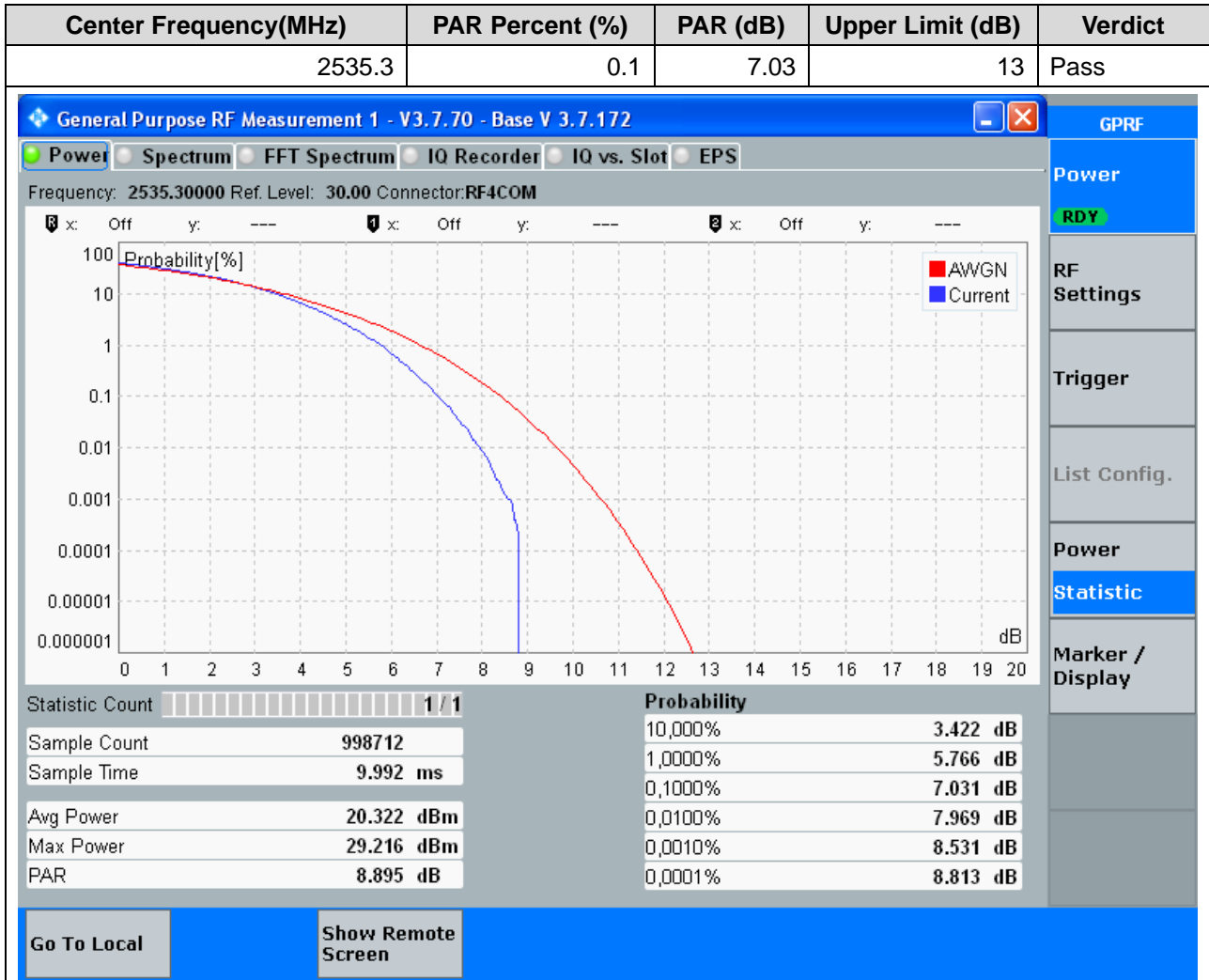


12. CA_7C

12.1. LTE-A Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:1, Channel:21006|21150, Bandwidth:10|20MHz, Modulation:QPSK, RB Number:Full|Full, RB Position:Low|Low)



12.2. LTE-A Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:2, Channel:21006|21150, Bandwidth:10|20MHz, Modulation:16QAM, RB Number:Full|Full, RB Position:Low|Low)



12.3. LTE-A Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:3, Channel: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	6.42	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: 2534.80000 Ref. Level: 30.00 Connector:RF4COM

Statistic Count	Value	Probability	Value
Sample Count	999312	10,000%	3.281 dB
Sample Time	9.998 ms	1,0000%	5.297 dB
Avg Power	21.290 dBm	0,1000%	6.422 dB
Max Power	29.486 dBm	0,0010%	7.641 dB
PAR	8.197 dB	0,0001%	7.969 dB

Go To Local Show Remote Screen

12.4. LTE-A Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:4, Channel:21051|21195, Bandwidth:20|10MHz, Modulation:16QAM, RB Number:Full|Full, RB Position:Low|Low)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2534.8	0.1	7.08	13	Pass

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

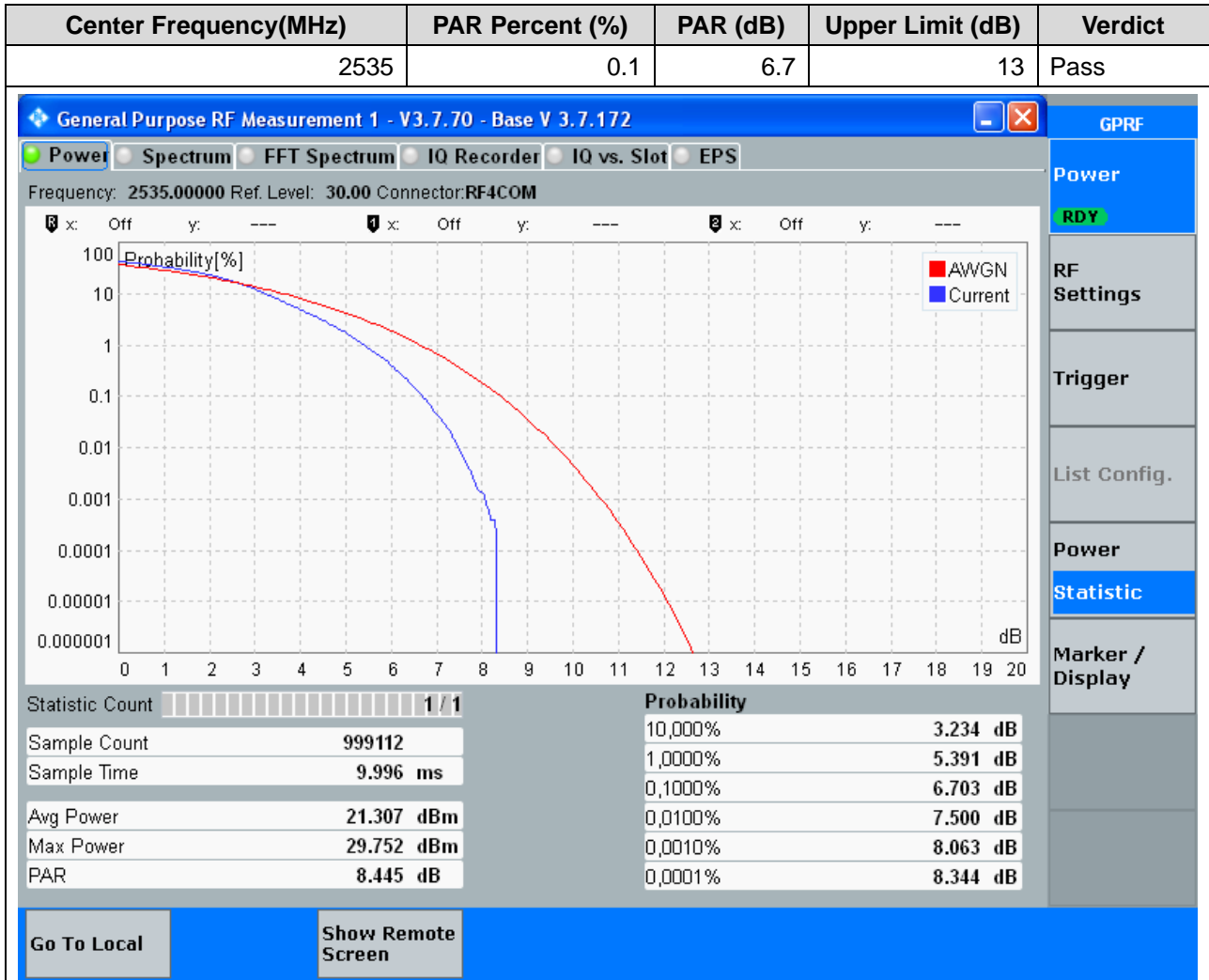
Power Spectrum FFT Spectrum IQ Recorder IQ vs. Slot EPS

Frequency: 2534.80000 Ref. Level: 30.00 Connector:RF4COM

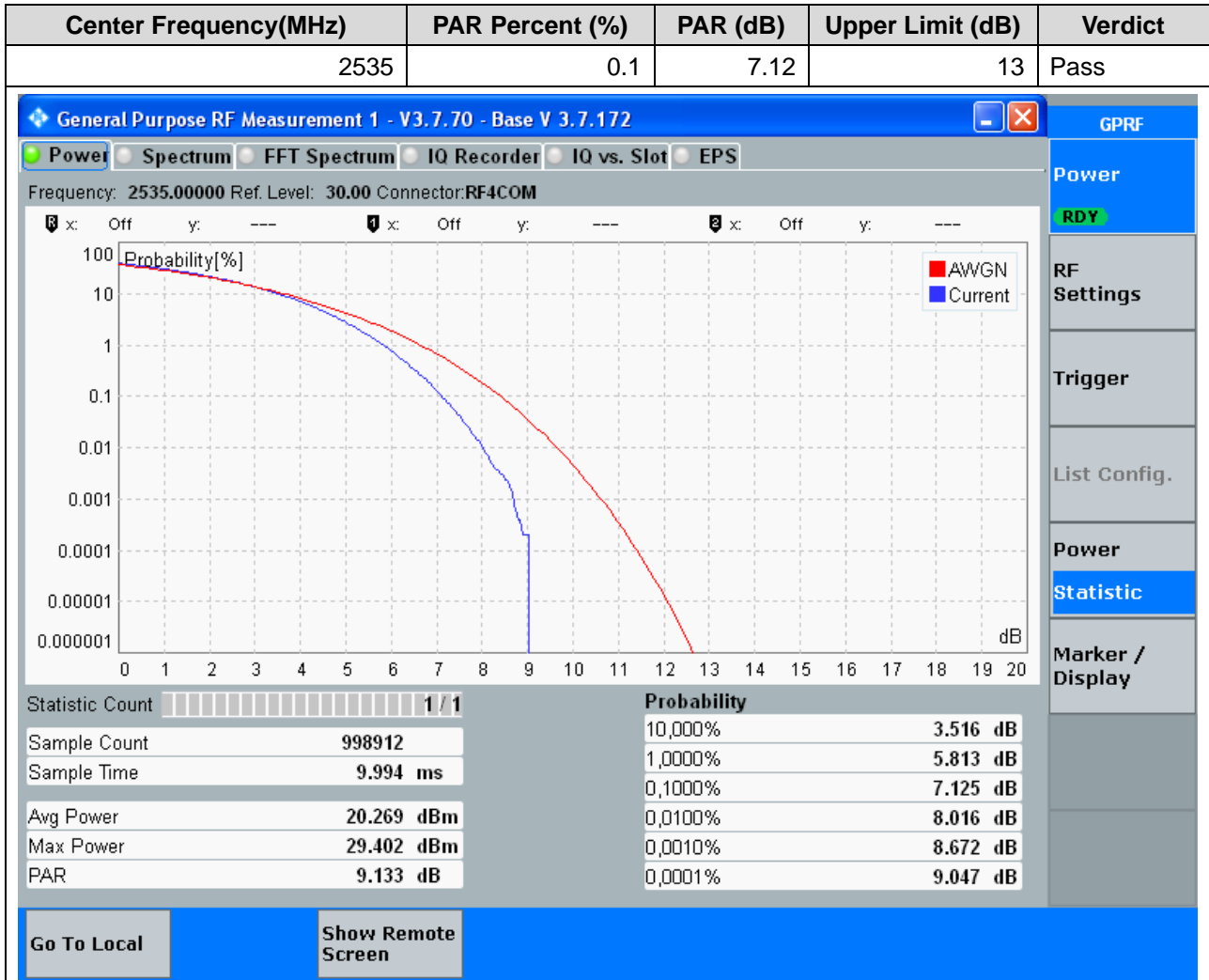
Statistic Count	1 / 1	Probability	
Sample Count	998912	10,000%	3.469 dB
Sample Time	9.994 ms	1,0000%	5.813 dB
Avg Power	20.282 dBm	0,1000%	7.078 dB
Max Power	29.513 dBm	0,0010%	8.531 dB
PAR	9.232 dB	0,0001%	9.047 dB

Go To Local Show Remote Screen

12.5. LTE-A Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:5, Channel:21025|21175, Bandwidth:15|15MHz, Modulation:QPSK, RB Number:Full|Full, RB Position:Low|Low)



**12.6. LTE-A Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:6,
Channel:21025|21175, Bandwidth:15|15MHz, Modulation:16QAM, RB
Number:Full|Full, RB Position:Low|Low)**



12.7. LTE-A Peak to Average Ratio_Part22-24-27(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	6.42	13	Pass

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

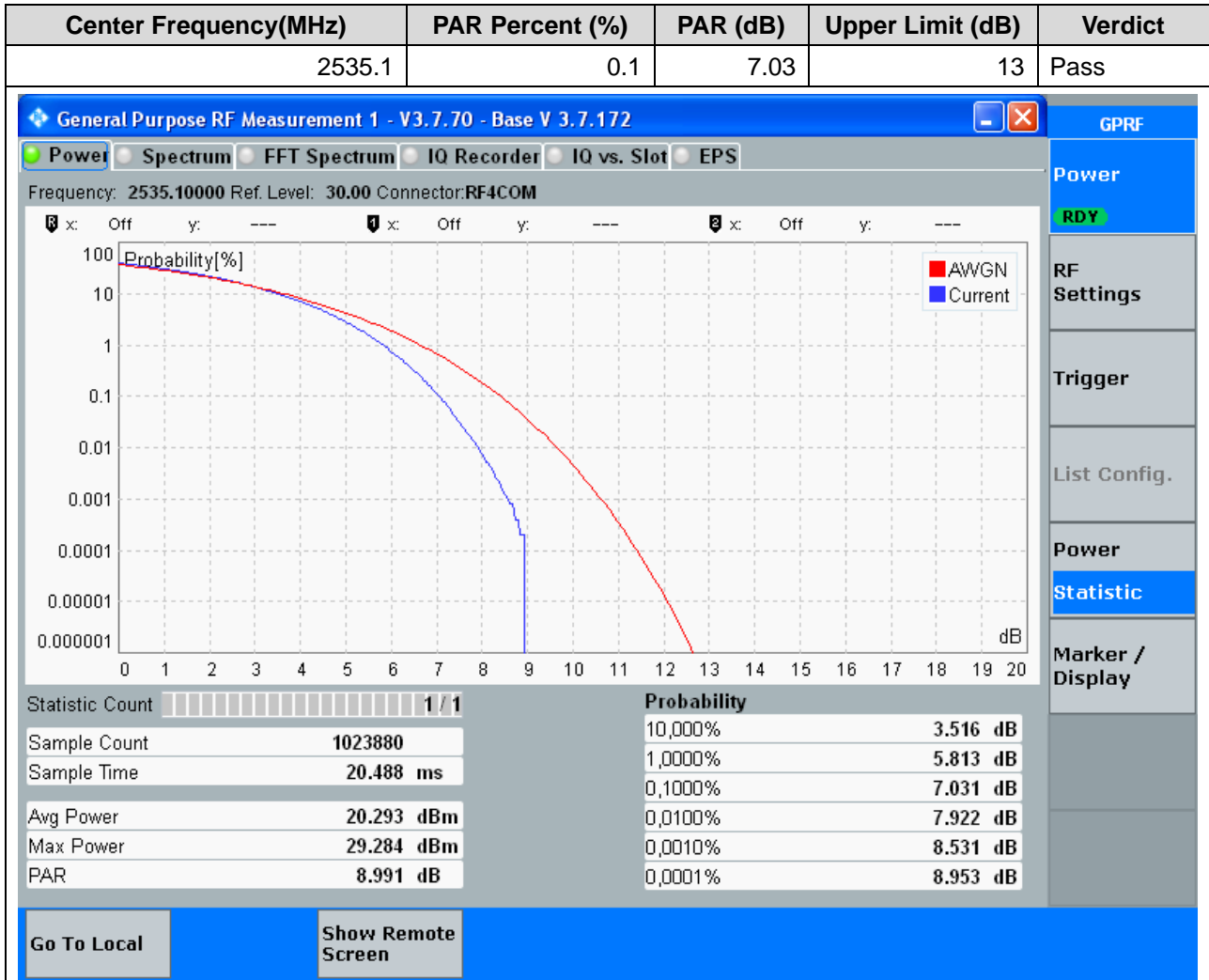
Power Spectrum FFT Spectrum IQ Recorder IQ vs. Slot EPS

Frequency: 2535.10000 Ref. Level: 30.00 Connector:RF4COM

Statistic Count	Value	Probability	Value
Sample Count	999112	10,000%	3.281 dB
Sample Time	19.992 ms	1,0000%	5.297 dB
Avg Power	21.313 dBm	0,1000%	6.422 dB
Max Power	29.615 dBm	0,0010%	7.688 dB
PAR	8.303 dB	0,0001%	7.922 dB

Go To Local Show Remote Screen

**12.8. LTE-A Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:8,
Channel:21003|21174, Bandwidth:15|20MHz, Modulation:16QAM, RB
Number:Full|Full, RB Position:Low|Low)**



12.9. LTE-A Peak to Average Ratio_Part22-24-27(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	6.37	13	Pass

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

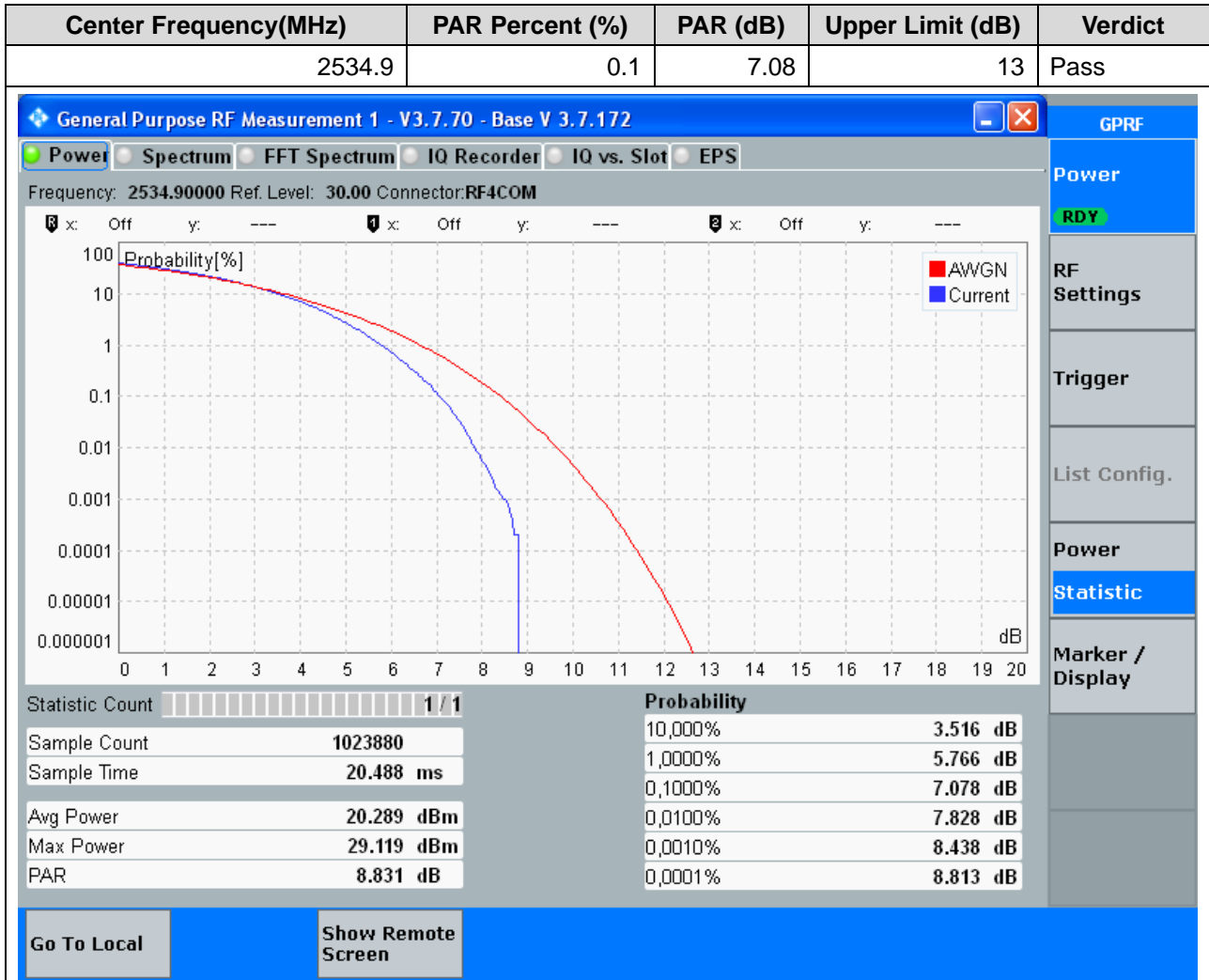
Power Spectrum FFT Spectrum IQ Recorder IQ vs. Slot EPS

Frequency: 2534.90000 Ref. Level: 30.00 Connector:RF4COM

Statistic Count	Value	Probability	Value
Sample Count	999112	10,000%	3.281 dB
Sample Time	19.992 ms	1,0000%	5.203 dB
Avg Power	21.291 dBm	0,1000%	6.375 dB
Max Power	29.449 dBm	0,0010%	7.688 dB
PAR	8.158 dB	0,0001%	8.063 dB

Go To Local Show Remote Screen

12.10. LTE-A Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:10, Channel:21026|21197, Bandwidth:20|15MHz, Modulation:16QAM, RB Number:Full|Full, RB Position:Low|Low)



12.11. LTE-A Peak to Average Ratio_Part22-24-27(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	6.47	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

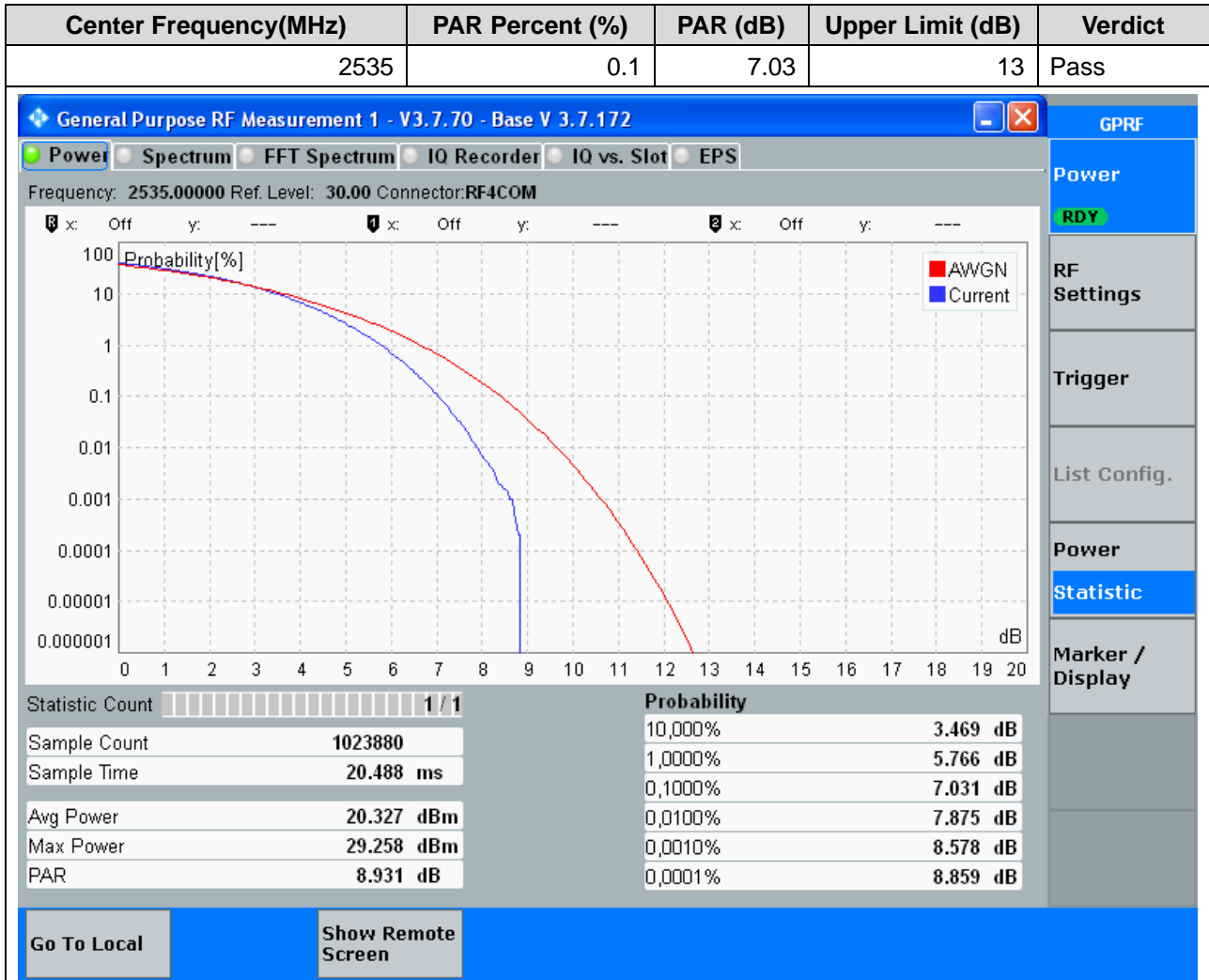
Frequency: 2535.00000 Ref. Level: 30.00 Connector:RF4COM

Statistic Count		Probability	
Sample Count	999312	10,000%	3.234 dB
Sample Time	19.996 ms	1,0000%	5.250 dB
		0,1000%	6.469 dB
Avg Power	21.320 dBm	0,0100%	7.313 dB
Max Power	29.506 dBm	0,0010%	7.781 dB
PAR	8.186 dB	0,0001%	8.016 dB

Go To Local
Show Remote Screen

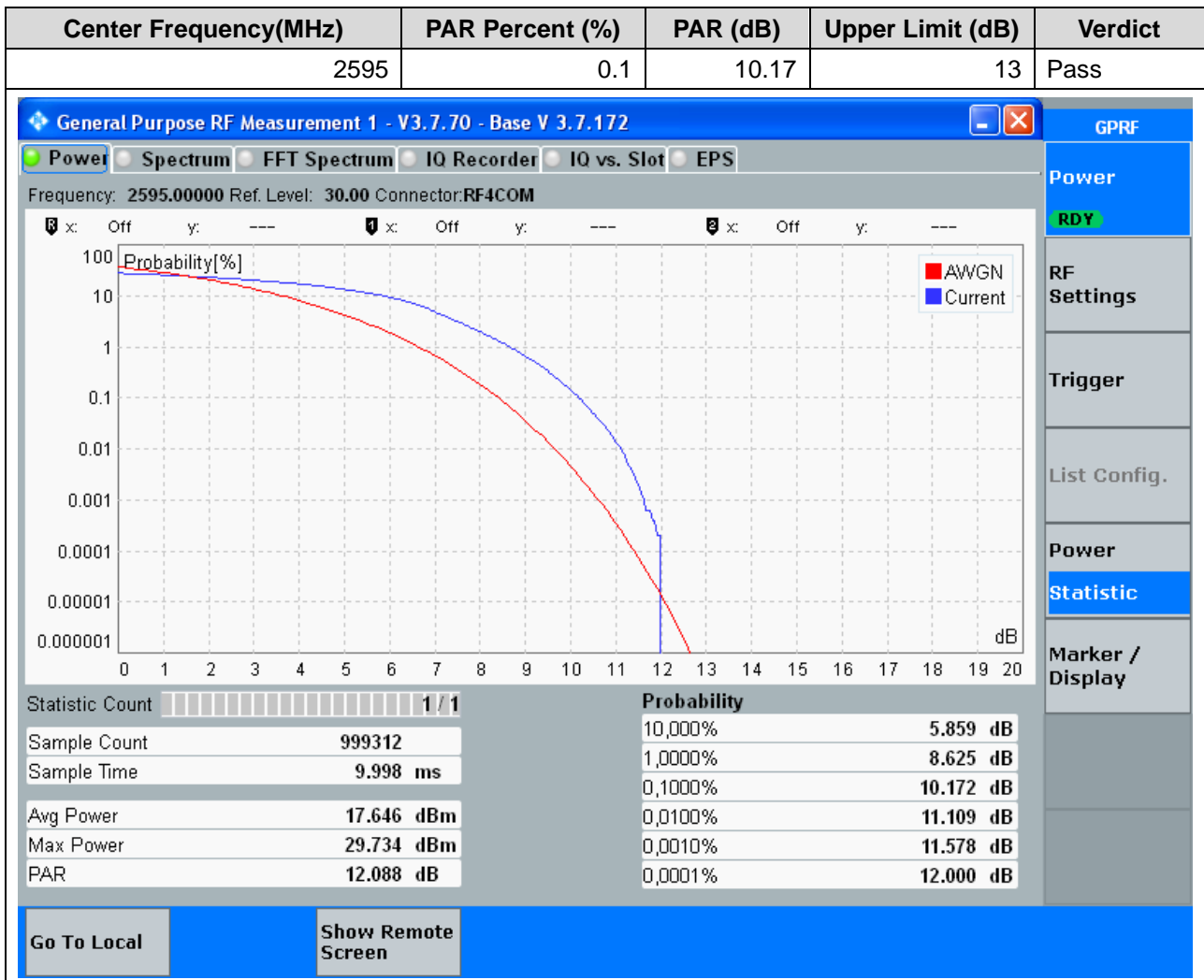
- GPRF
- Power
- RDY
- RF Settings
- Trigger
- List Config.
- Power
- Statistic
- Marker / Display

12.12. LTE-A Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:12, Channel:21001|21199, Bandwidth:20|20MHz, Modulation:16QAM, RB Number:Full|Full, RB Position:Low|Low)

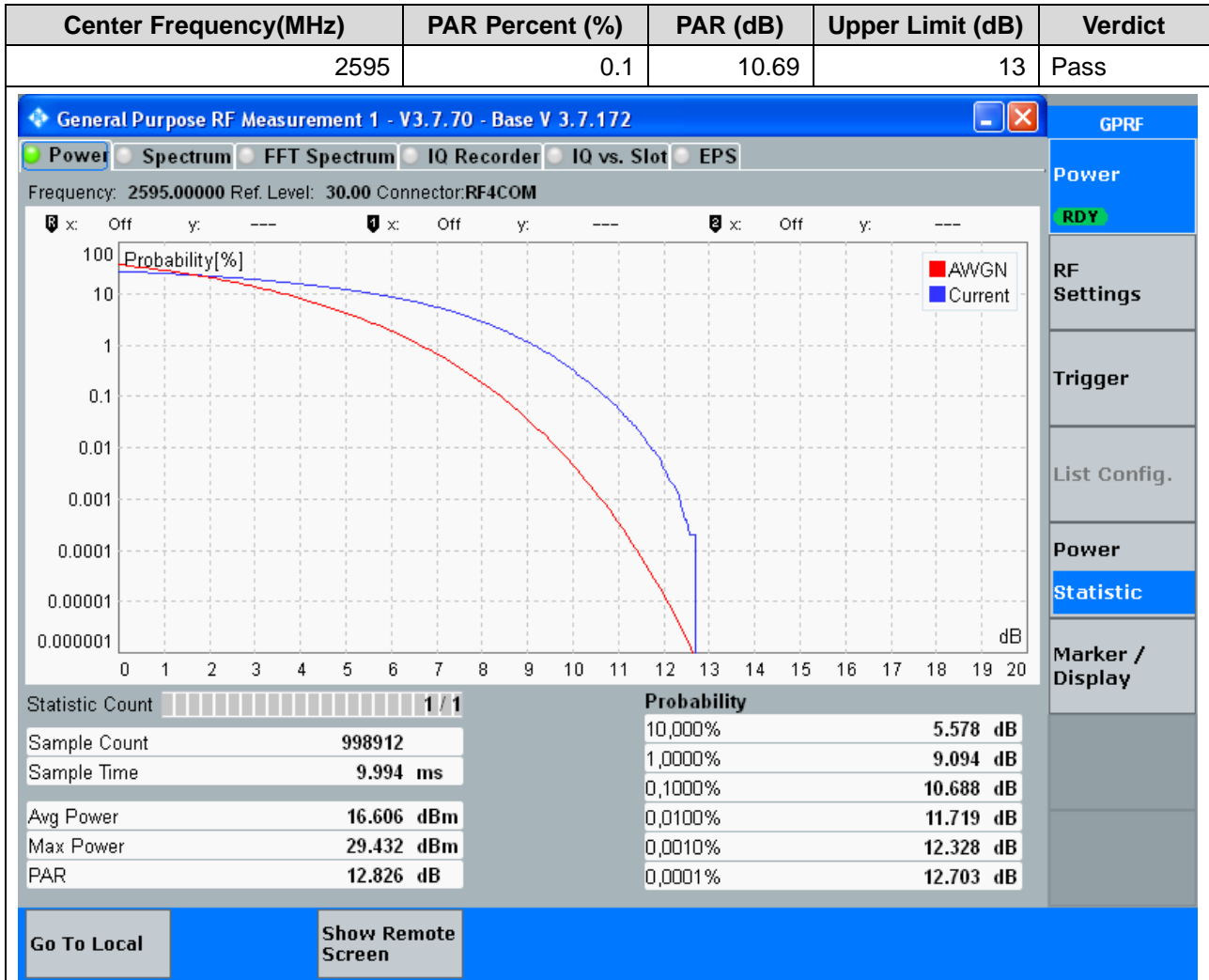


13. CA_38C

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



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



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

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2595	0.1	10.08	13	Pass

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

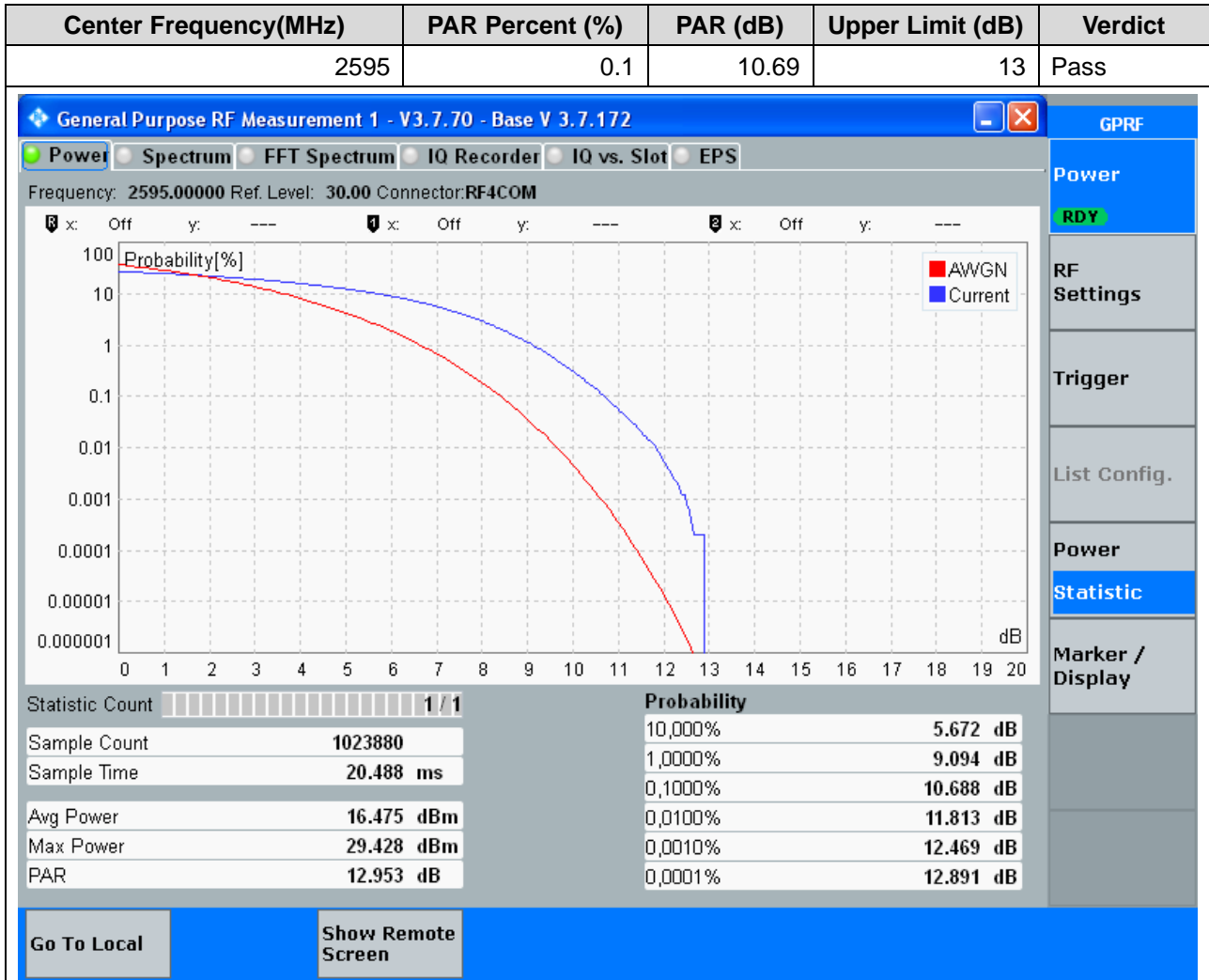
Power Spectrum FFT Spectrum IQ Recorder IQ vs. Slot EPS

Frequency: 2595.00000 Ref. Level: 30.00 Connector:RF4COM

Statistic Count	Value	Probability	Value (dB)
Sample Count	999112	10,000%	5.859 dB
Sample Time	19.992 ms	1,0000%	8.578 dB
Avg Power	17.604 dBm	0,1000%	10.078 dB
Max Power	29.503 dBm	0,0010%	11.531 dB
PAR	11.899 dB	0,0001%	11.766 dB

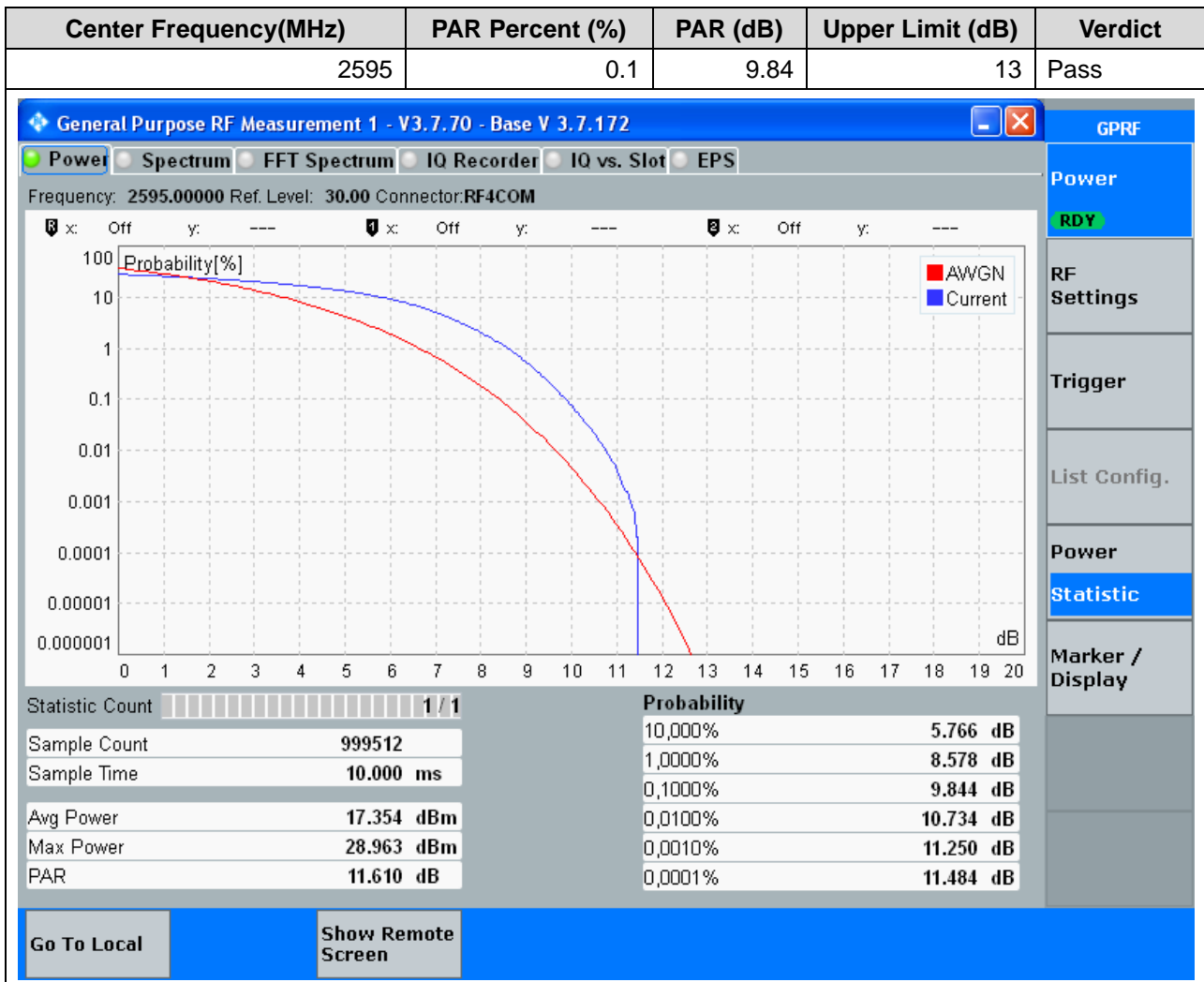
Go To Local Show Remote Screen

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

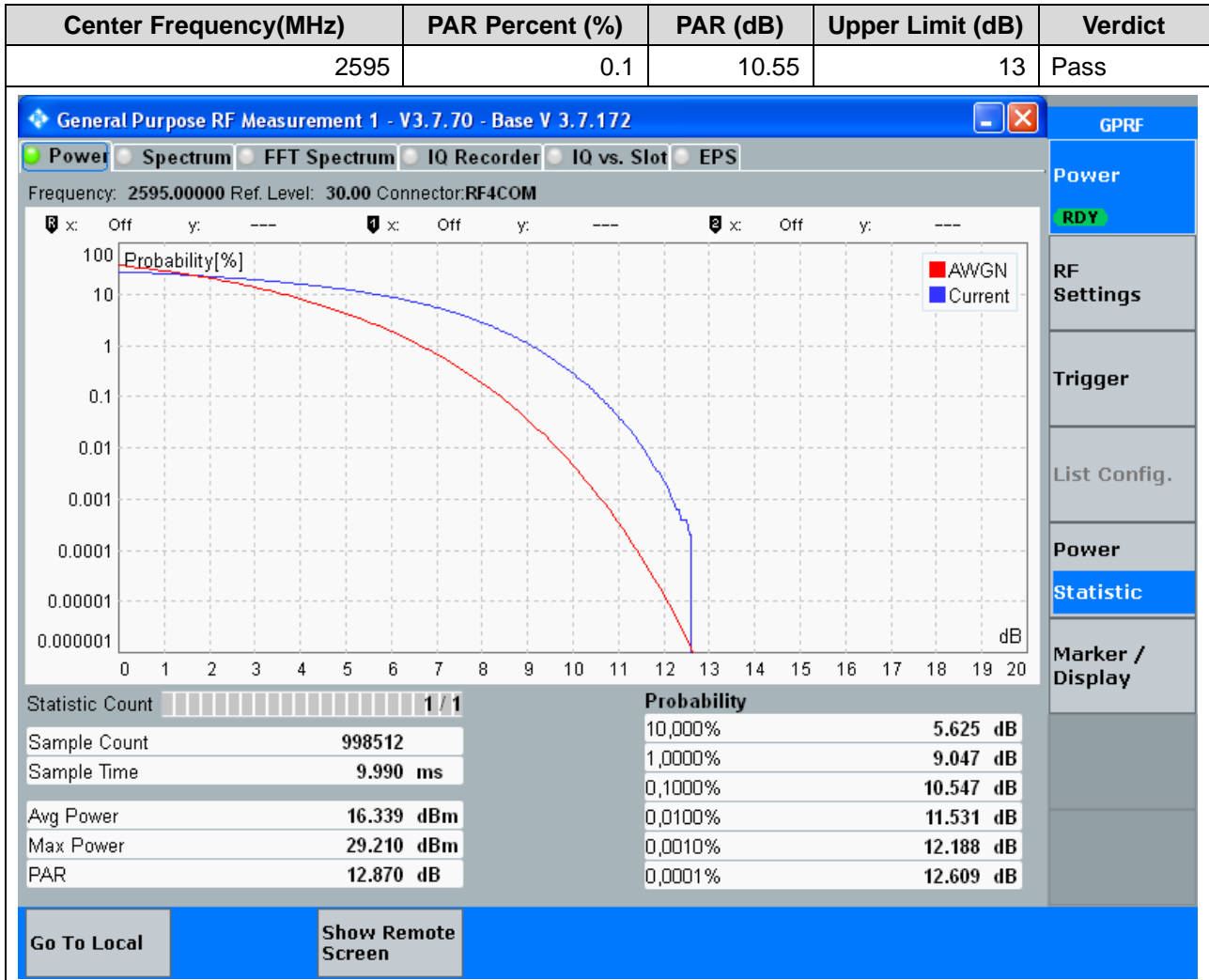


14. CA_41C_2535-2655

14.1. LTE-A Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:1, Channel:40544|40661, Bandwidth:5|20MHz, Modulation:QPSK, RB Number:Full|Full, RB Position:Low|Low)



14.2. LTE-A Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:2, Channel:40544|40661, Bandwidth:5|20MHz, Modulation:16QAM, RB Number:Full|Full, RB Position:Low|Low)



14.3. LTE-A Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:3, Channel:40619|40736, Bandwidth:20|5MHz, Modulation:QPSK, RB Number:Full|Full, RB Position:Low|Low)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2595	0.1	9.94	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: 2595.00000 Ref. Level: 30.00 Connector:RF4COM

Statistic Count	1 / 1	Probability	
Sample Count	999514	10,000%	5.766 dB
Sample Time	10.000 ms	1,0000%	8.625 dB
		0,1000%	9.938 dB
Avg Power	17.403 dBm	0,0100%	10.734 dB
Max Power	29.248 dBm	0,0010%	11.250 dB
PAR	11.845 dB	0,0001%	11.531 dB

Go To Local Show Remote Screen

14.4. LTE-A Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:4, Channel:40619|40736, Bandwidth:20|5MHz, 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

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

Power Spectrum FFT Spectrum IQ Recorder IQ vs. Slot EPS

Frequency: 2595.00000 Ref. Level: 30.00 Connector:RF4COM

Statistic Count	Value	Probability	Value
Sample Count	998512	10,000%	5.578 dB
Sample Time	9.990 ms	1,0000%	9.094 dB
Avg Power	16.402 dBm	0,1000%	10.594 dB
Max Power	28.881 dBm	0,0010%	12.188 dB
PAR	12.479 dB	0,0001%	12.422 dB

Go To Local Show Remote Screen

14.5. LTE-A Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:5, Channel:40543|40687, Bandwidth:10|20MHz, Modulation:QPSK, RB Number:Full|Full, RB Position:Low|Low)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2595	0.1	9.94	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

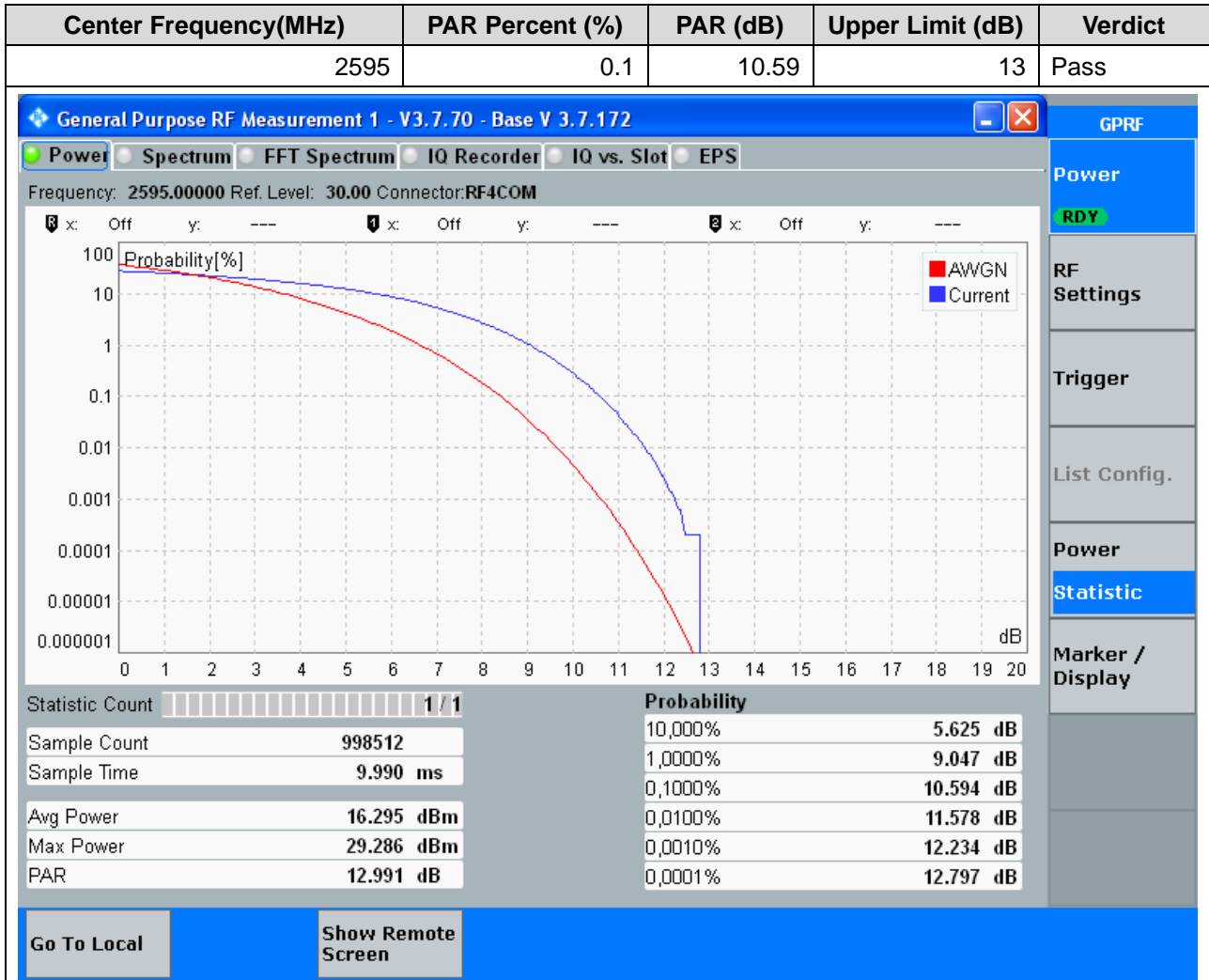
Frequency: 2595.00000 Ref. Level: 30.00 Connector:RF4COM

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

Statistic Count		Probability	
Sample Count	999512	10,000%	5.766 dB
Sample Time	10.000 ms	1,0000%	8.578 dB
		0,1000%	9.938 dB
Avg Power	17.311 dBm	0,0100%	10.828 dB
Max Power	29.164 dBm	0,0010%	11.391 dB
PAR	11.854 dB	0,0001%	11.766 dB

Go To Local
Show Remote Screen

**14.6. LTE-A Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:6,
Channel:40543|40687, Bandwidth:10|20MHz, Modulation:16QAM, RB
Number:Full|Full, RB Position:Low|Low)**



14.7. LTE-A Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:7, Channel:40593|40737, Bandwidth:20|10MHz, Modulation:QPSK, RB Number:Full|Full, RB Position:Low|Low)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2595	0.1	9.98	13	Pass

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

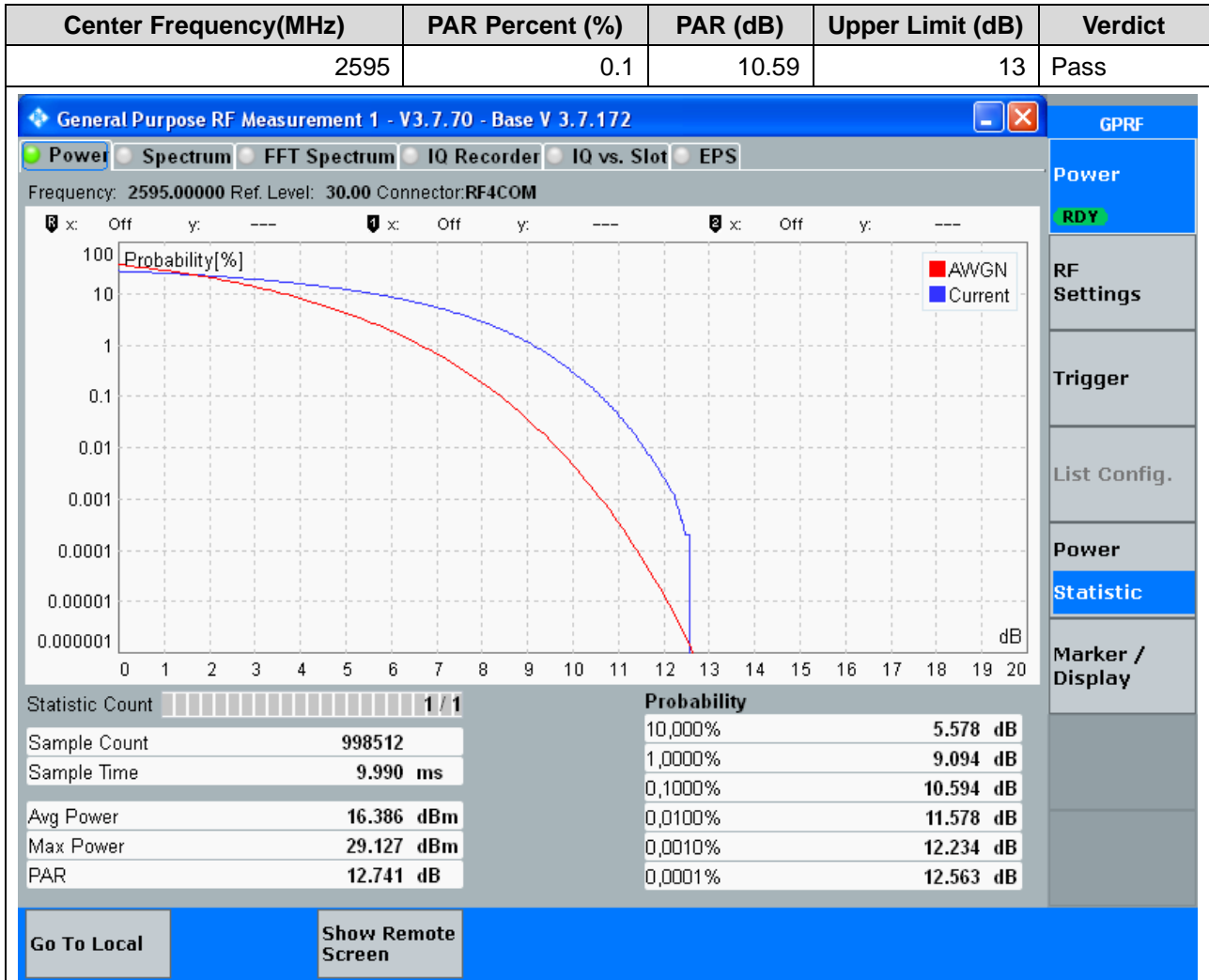
Power | Spectrum | FFT Spectrum | IQ Recorder | IQ vs. Slot | EPS

Frequency: 2595.00000 Ref. Level: 30.00 Connector:RF4COM

Statistic Count		Probability	
Sample Count	999514	10,000%	5.719 dB
Sample Time	10.000 ms	1,0000%	8.625 dB
		0,1000%	9.984 dB
Avg Power	17.356 dBm	0,0100%	10.828 dB
Max Power	29.370 dBm	0,0010%	11.344 dB
PAR	12.014 dB	0,0001%	11.766 dB

Go To Local
Show Remote Screen

**14.8. LTE-A Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:8,
Channel:40593|40737, Bandwidth:20|10MHz, Modulation:16QAM, RB
Number:Full|Full, RB Position:Low|Low)**



14.9. LTE-A Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:9, Channel:40565|40715, Bandwidth:15|15MHz, Modulation:QPSK, RB Number:Full|Full, RB Position:Low|Low)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2595	0.1	10.22	13	Pass

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

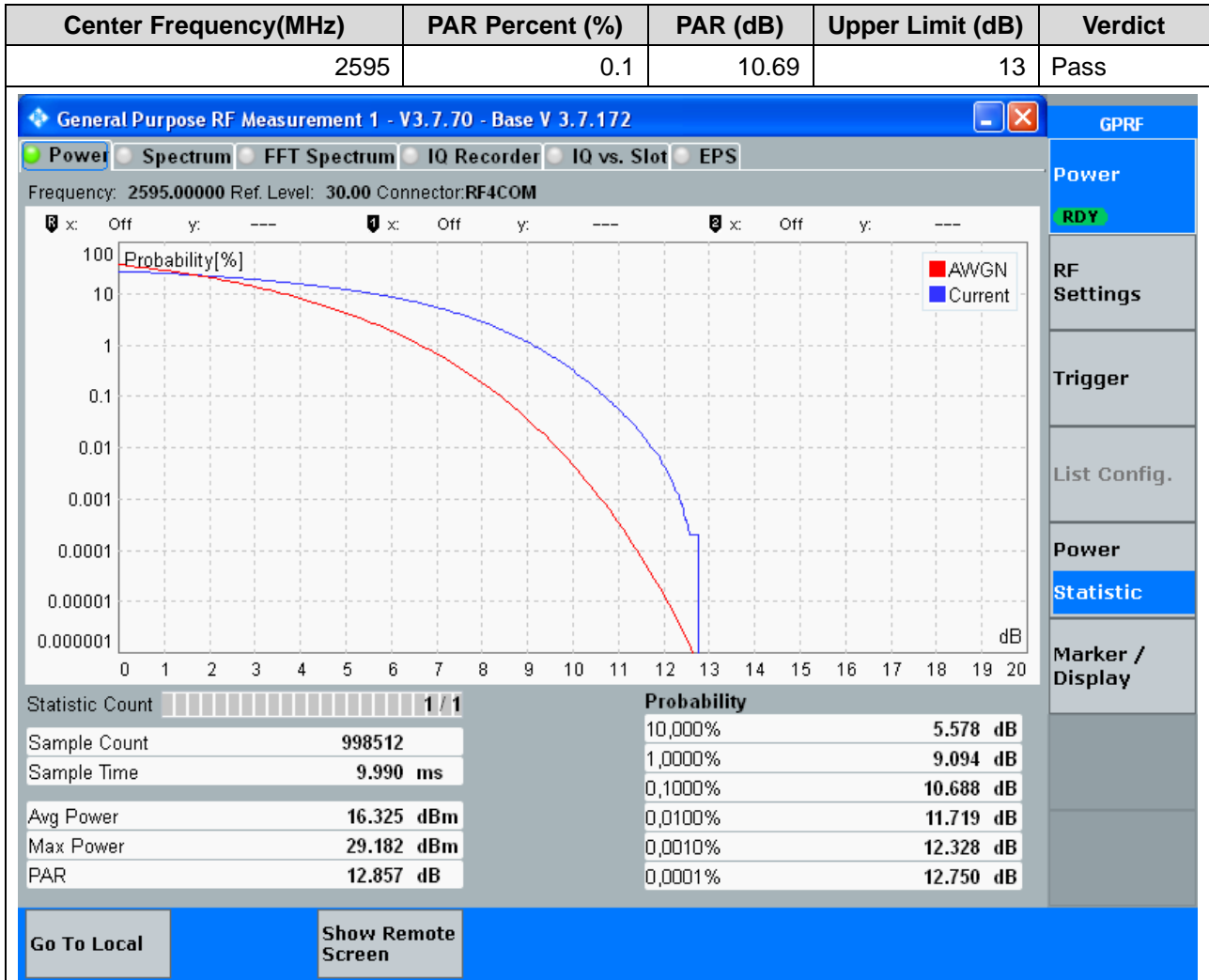
Power Spectrum FFT Spectrum IQ Recorder IQ vs. Slot EPS

Frequency: 2595.00000 Ref. Level: 30.00 Connector:RF4COM

Statistic Count	Value	Probability	Value
Sample Count	999514	10,000%	5.859 dB
Sample Time	10.000 ms	1,0000%	8.672 dB
Avg Power	17.330 dBm	0,1000%	10.219 dB
Max Power	29.486 dBm	0,0010%	11.578 dB
PAR	12.156 dB	0,0001%	12.141 dB

Go To Local Show Remote Screen

14.10. LTE-A Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:10, Channel:40565|40715, Bandwidth:15|15MHz, Modulation:16QAM, RB Number:Full|Full, RB Position:Low|Low)



14.11. LTE-A Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:11, Channel:40542|40713, Bandwidth:15|20MHz, Modulation:QPSK, RB Number:Full|Full, RB Position:Low|Low)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2595	0.1	10.03	13	Pass

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

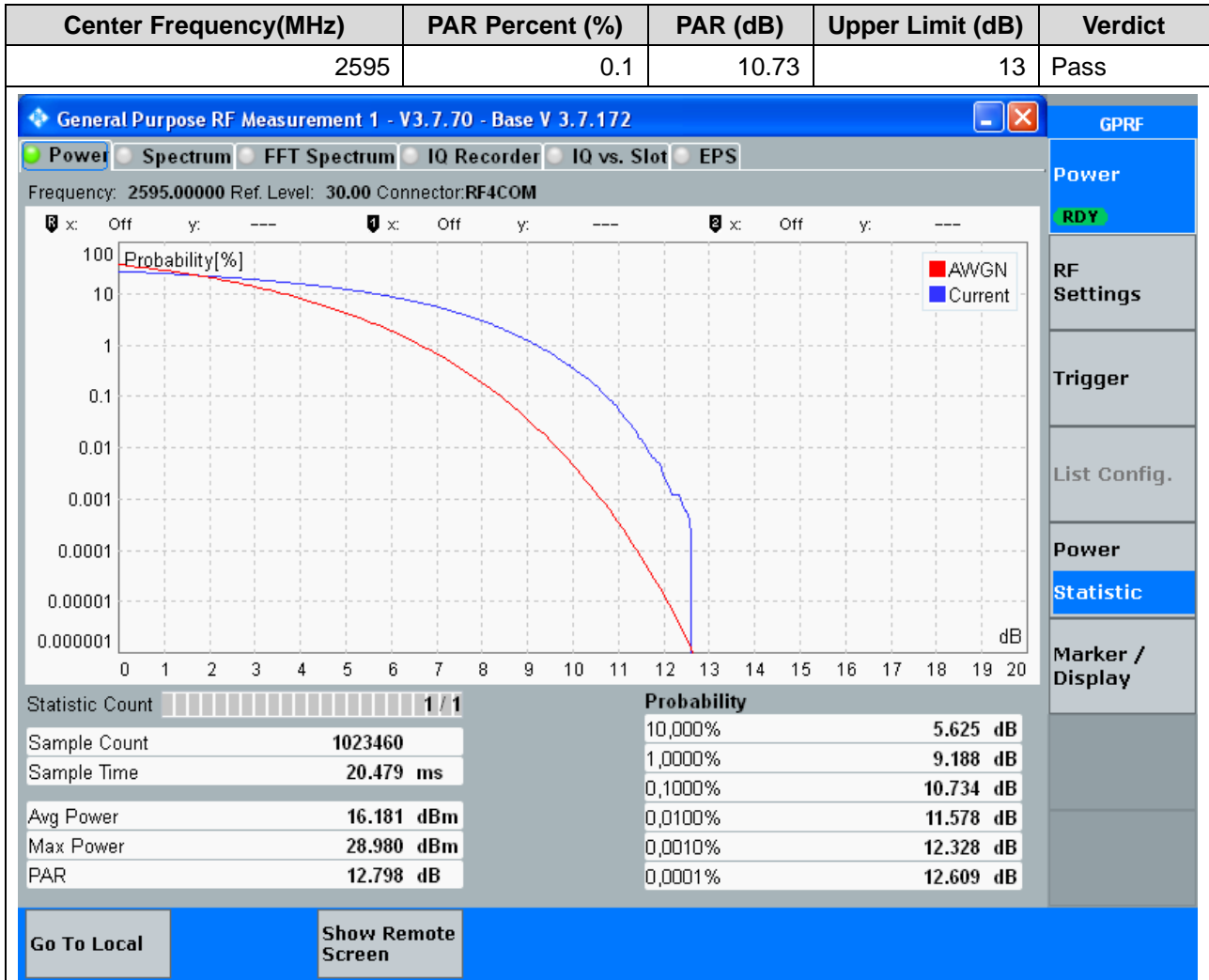
Power Spectrum FFT Spectrum IQ Recorder IQ vs. Slot EPS

Frequency: 2595.00000 Ref. Level: 30.00 Connector:RF4COM

Statistic Count	Value	Probability	Value (dB)
Sample Count	999513	10,000%	5.813 dB
Sample Time	20.000 ms	1,0000%	8.672 dB
Avg Power	17.297 dBm	0,1000%	10.031 dB
Max Power	28.939 dBm	0,0010%	11.391 dB
PAR	11.642 dB	0,0001%	11.625 dB

Go To Local Show Remote Screen

14.12. LTE-A Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:12, Channel:40542|40713, Bandwidth:15|20MHz, Modulation:16QAM, RB Number:Full|Full, RB Position:Low|Low)



14.13. LTE-A Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:13, Channel:40567|40738, Bandwidth:20|15MHz, Modulation:QPSK, RB Number:Full|Full, RB Position:Low|Low)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2595	0.1	9.94	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: 2595.00000 Ref. Level: 30.00 Connector:RF4COM

Statistic Count	Value	Probability	Value
Sample Count	999512	10,000%	5.766 dB
Sample Time	20.000 ms	1,0000%	8.625 dB
Avg Power	17.321 dBm	0,1000%	9.938 dB
Max Power	29.167 dBm	0,0010%	11.344 dB
PAR	11.846 dB	0,0001%	11.766 dB

Go To Local Show Remote Screen

14.14. LTE-A Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:14, Channel:40567|40738, Bandwidth:20|15MHz, Modulation:16QAM, RB Number:Full|Full, RB Position:Low|Low)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2595	0.1	10.73	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: 2595.00000 Ref. Level: 30.00 Connector:RF4COM

Statistic Count	Value	Probability	Value
Sample Count	1023460	10,000%	5.625 dB
Sample Time	20.479 ms	1,0000%	9.188 dB
Avg Power	16.211 dBm	0,1000%	10.734 dB
Max Power	28.987 dBm	0,0010%	12.234 dB
PAR	12.776 dB	0,0001%	12.609 dB

Go To Local Show Remote Screen

14.15. LTE-A Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:15, Channel:40541|40739, Bandwidth:20|20MHz, Modulation:QPSK, RB Number:Full|Full, RB Position:Low|Low)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
2595	0.1	10.08	13	Pass

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

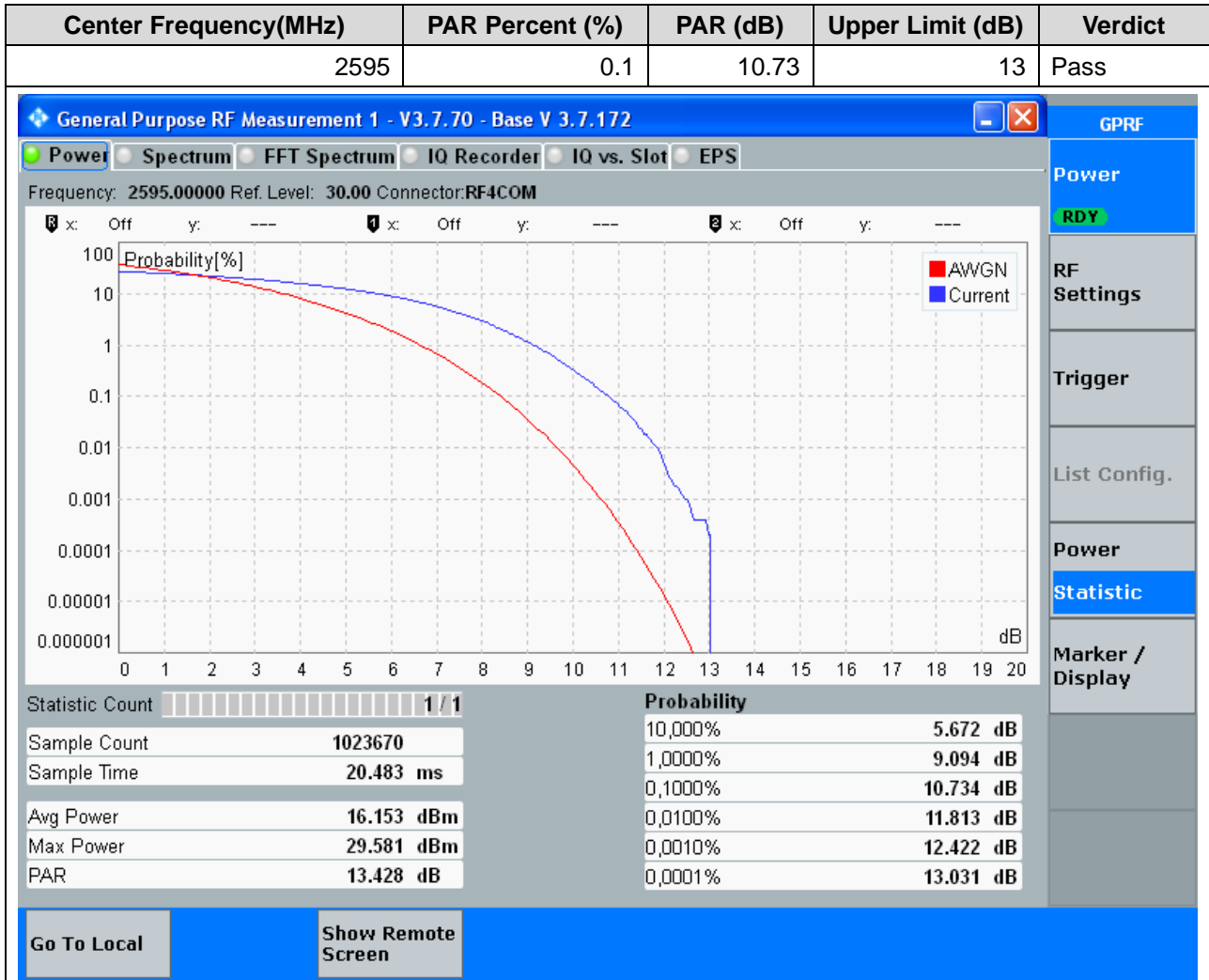
Power Spectrum FFT Spectrum IQ Recorder IQ vs. Slot EPS

Frequency: 2595.00000 Ref. Level: 30.00 Connector:RF4COM

Statistic Count	Value	Probability	Value
Sample Count	999513	10,000%	5.859 dB
Sample Time	20.000 ms	1,0000%	8.578 dB
Avg Power	17.274 dBm	0,1000%	10.078 dB
Max Power	29.263 dBm	0,0010%	11.578 dB
PAR	11.989 dB	0,0001%	11.953 dB

Go To Local Show Remote Screen

14.16. LTE-A Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:16, Channel:40541|40739, Bandwidth:20|20MHz, Modulation:16QAM, RB Number:Full|Full, RB Position:Low|Low)



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