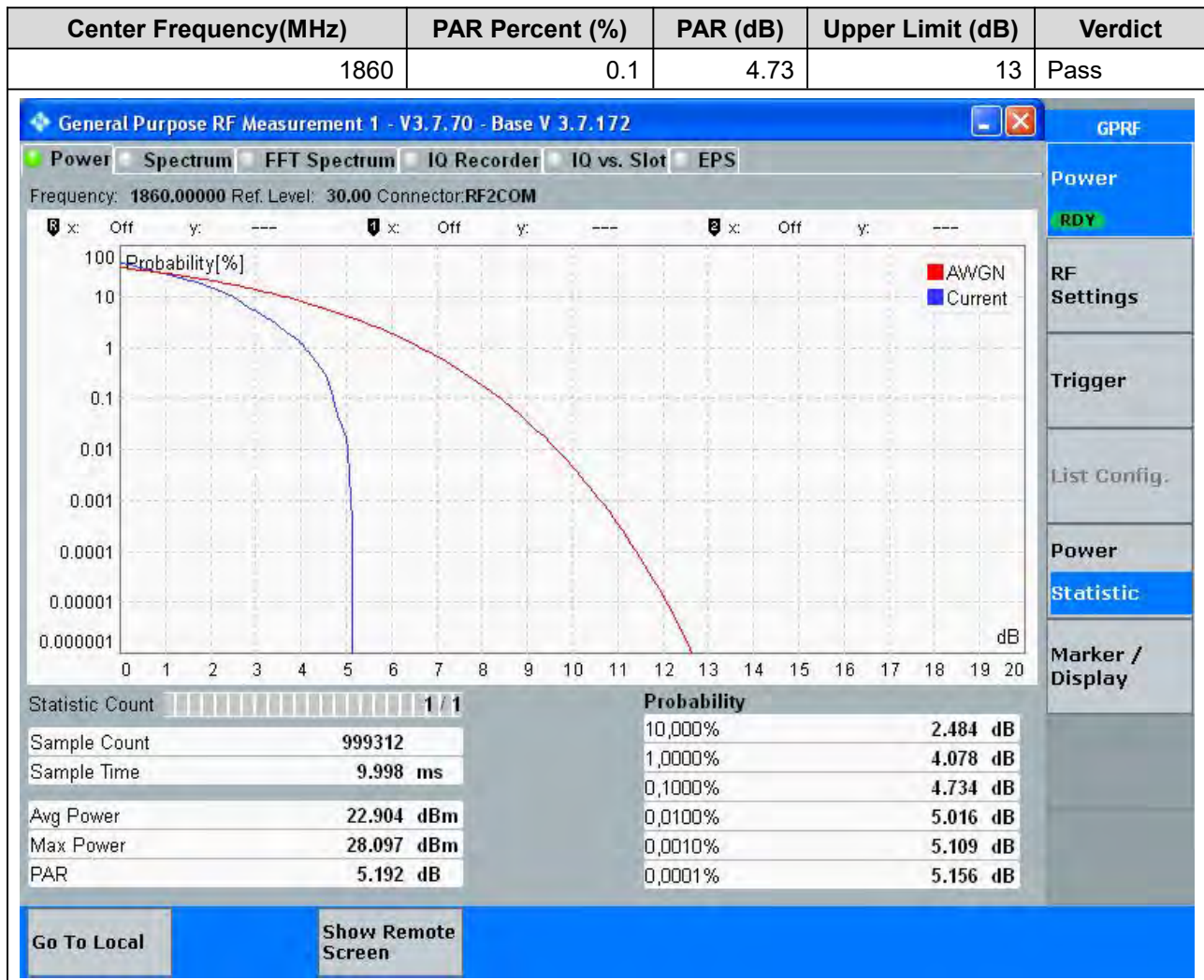
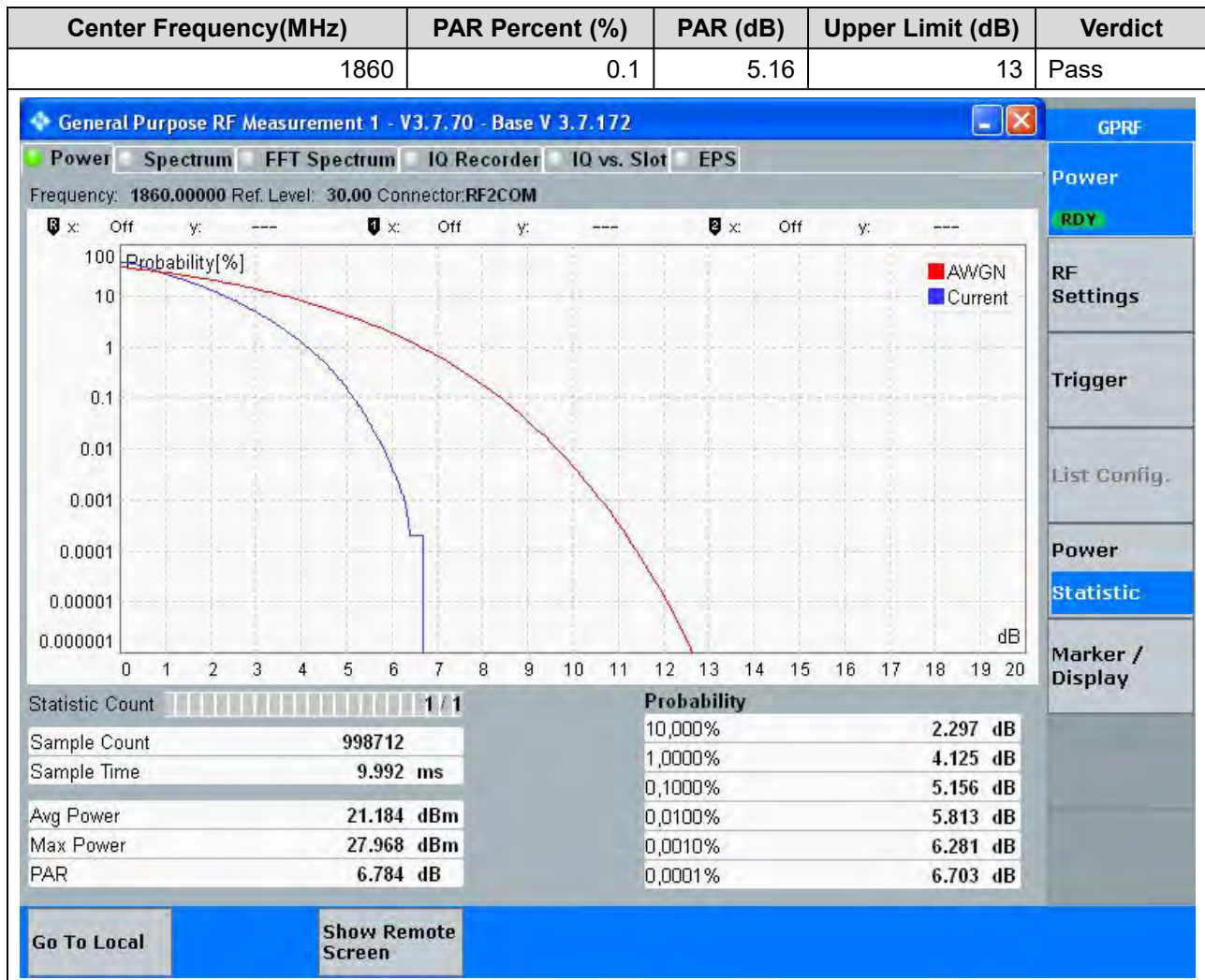

Annex A.2 Peak to Average Ratio

1. LTE_Band2

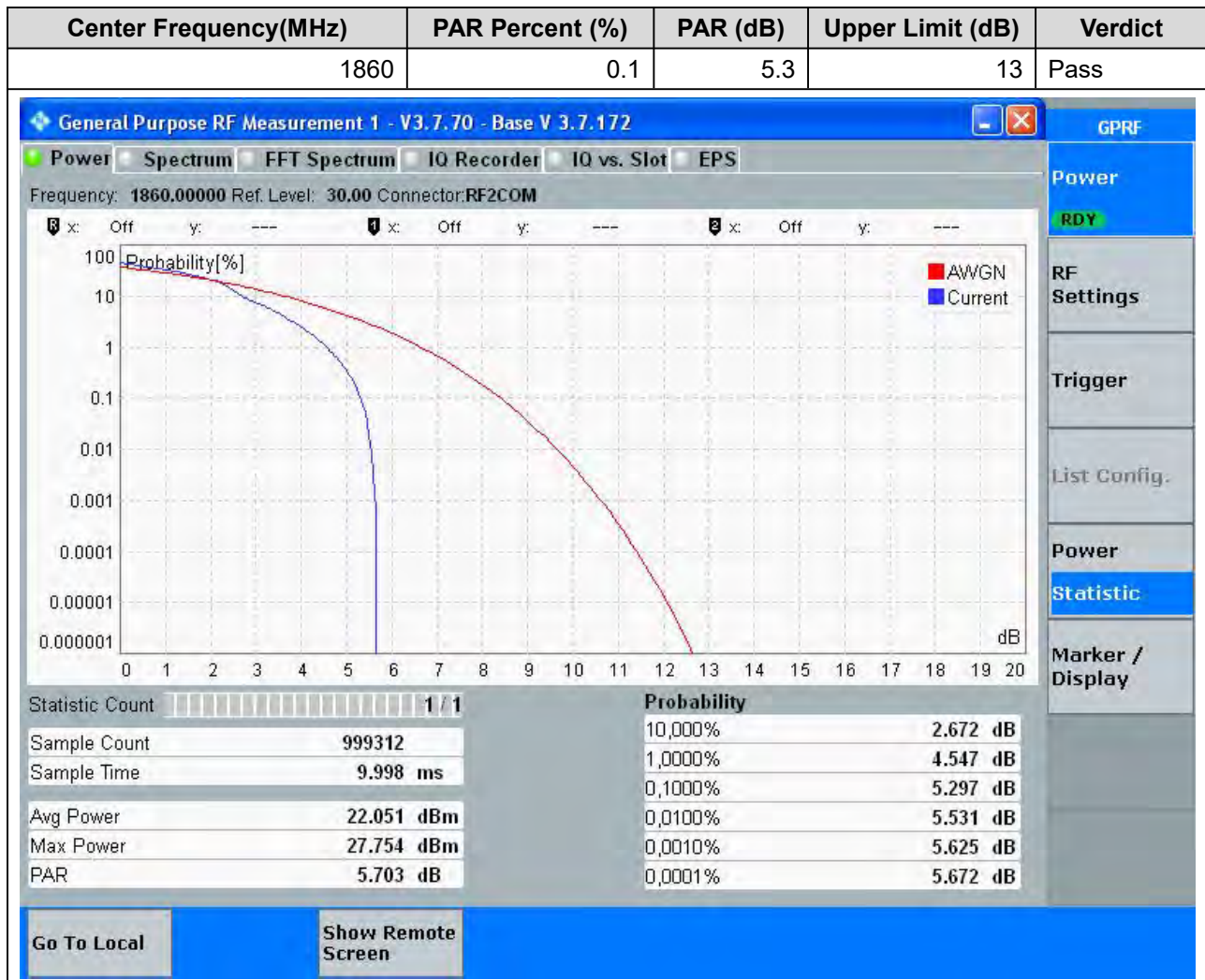
1.1. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:1, Channel:18700, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)



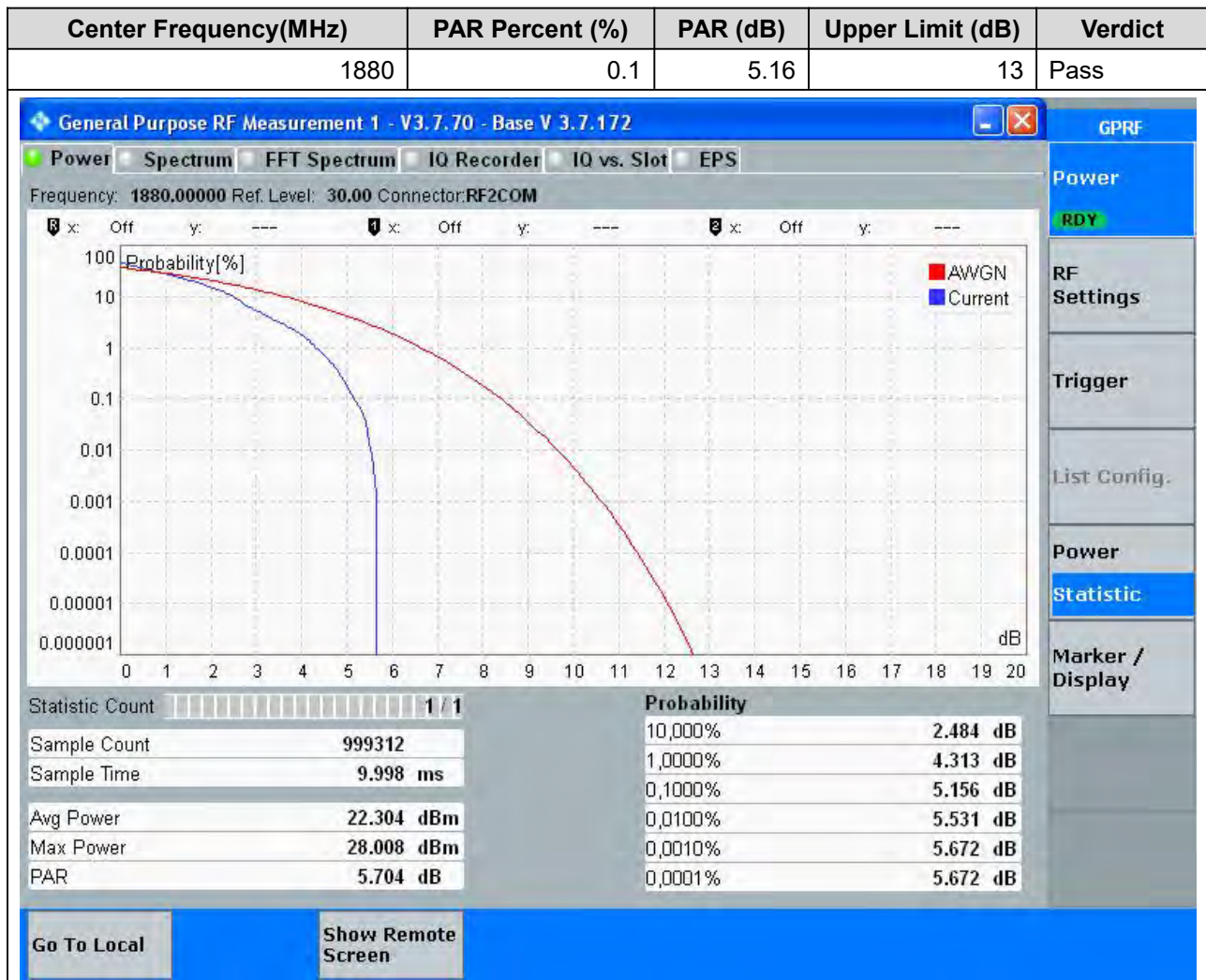
1.2. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:2, Channel:18700, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)



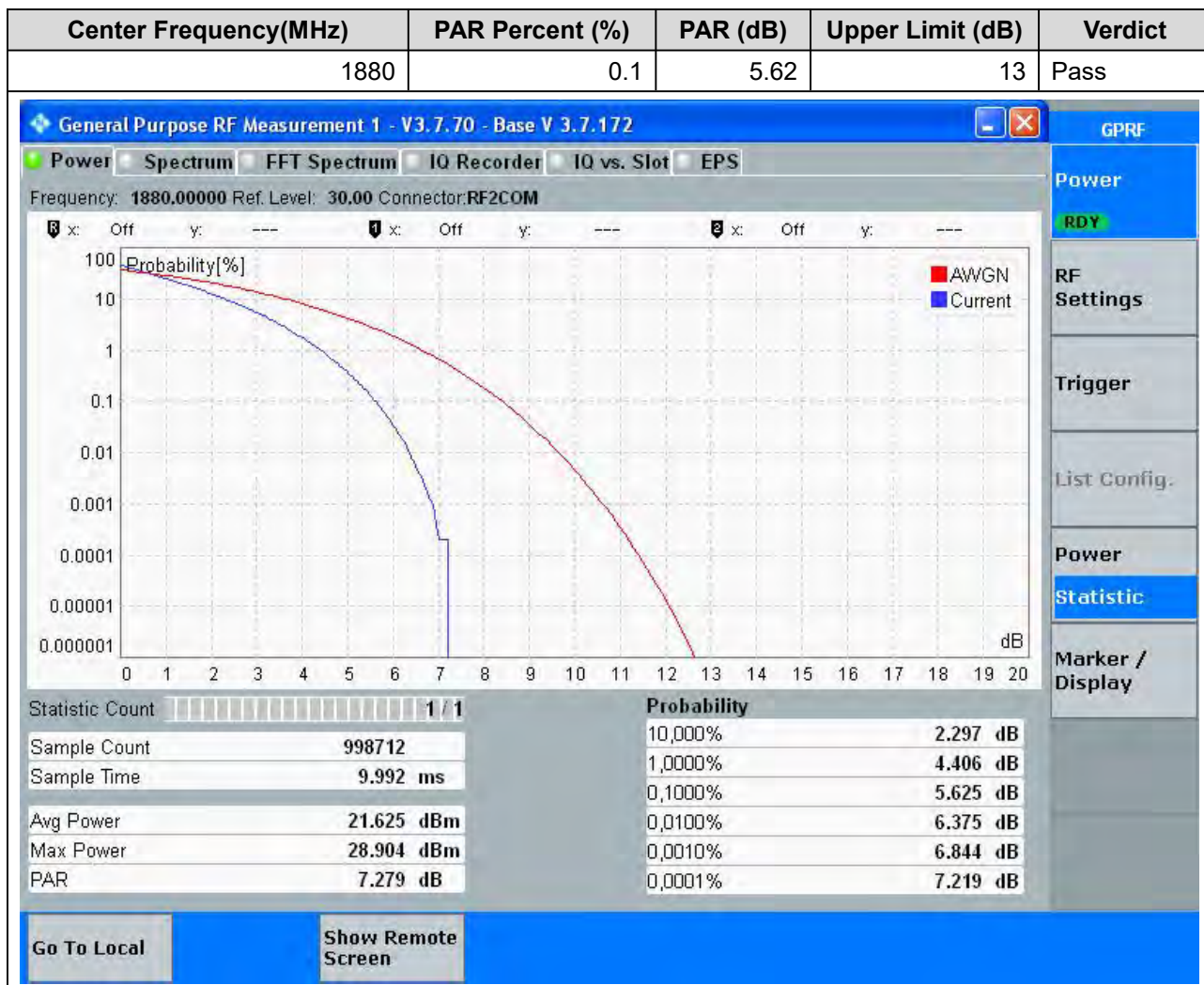
1.3. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:3, Channel:18700, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)



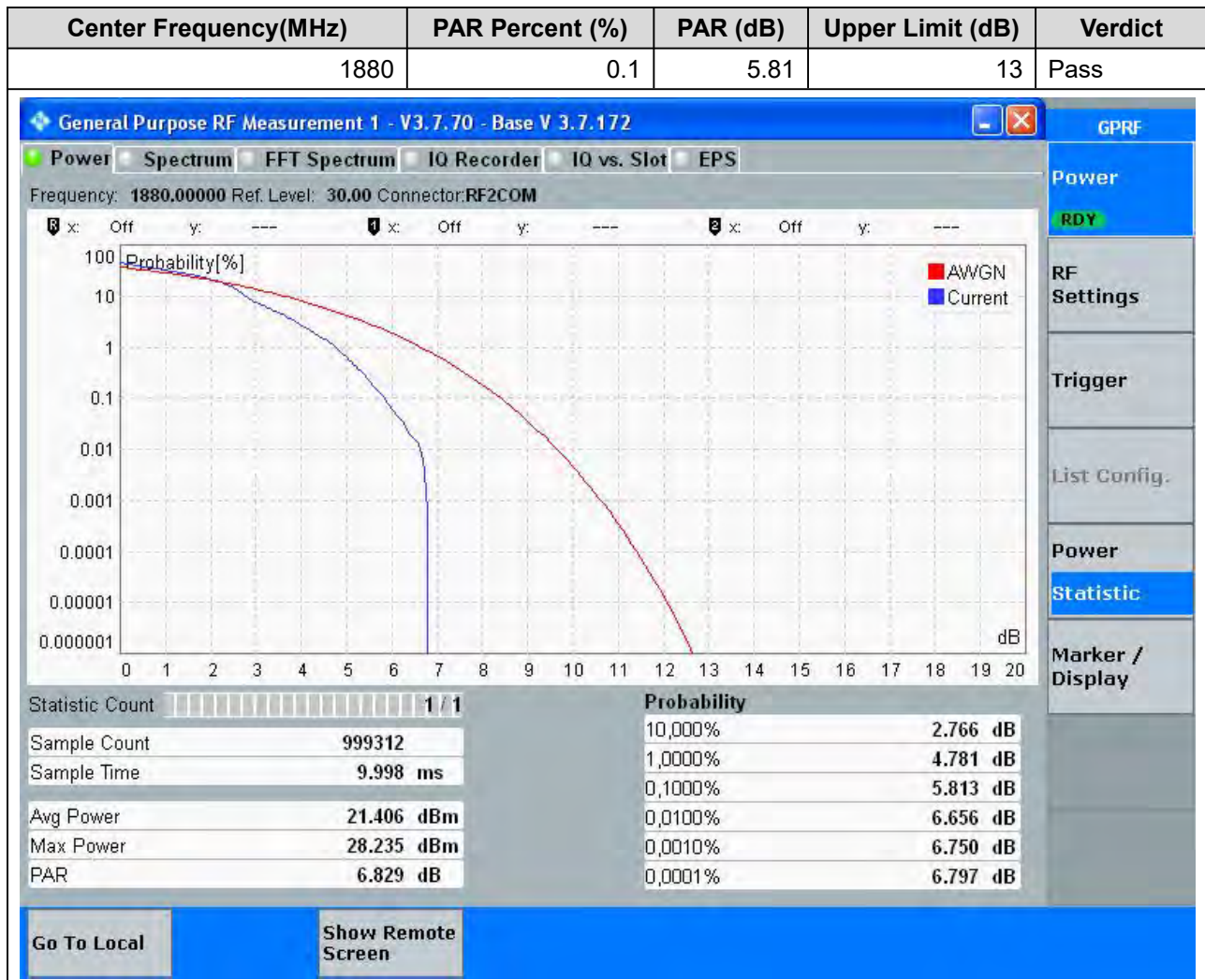
1.4. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:5, Channel:18900, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)



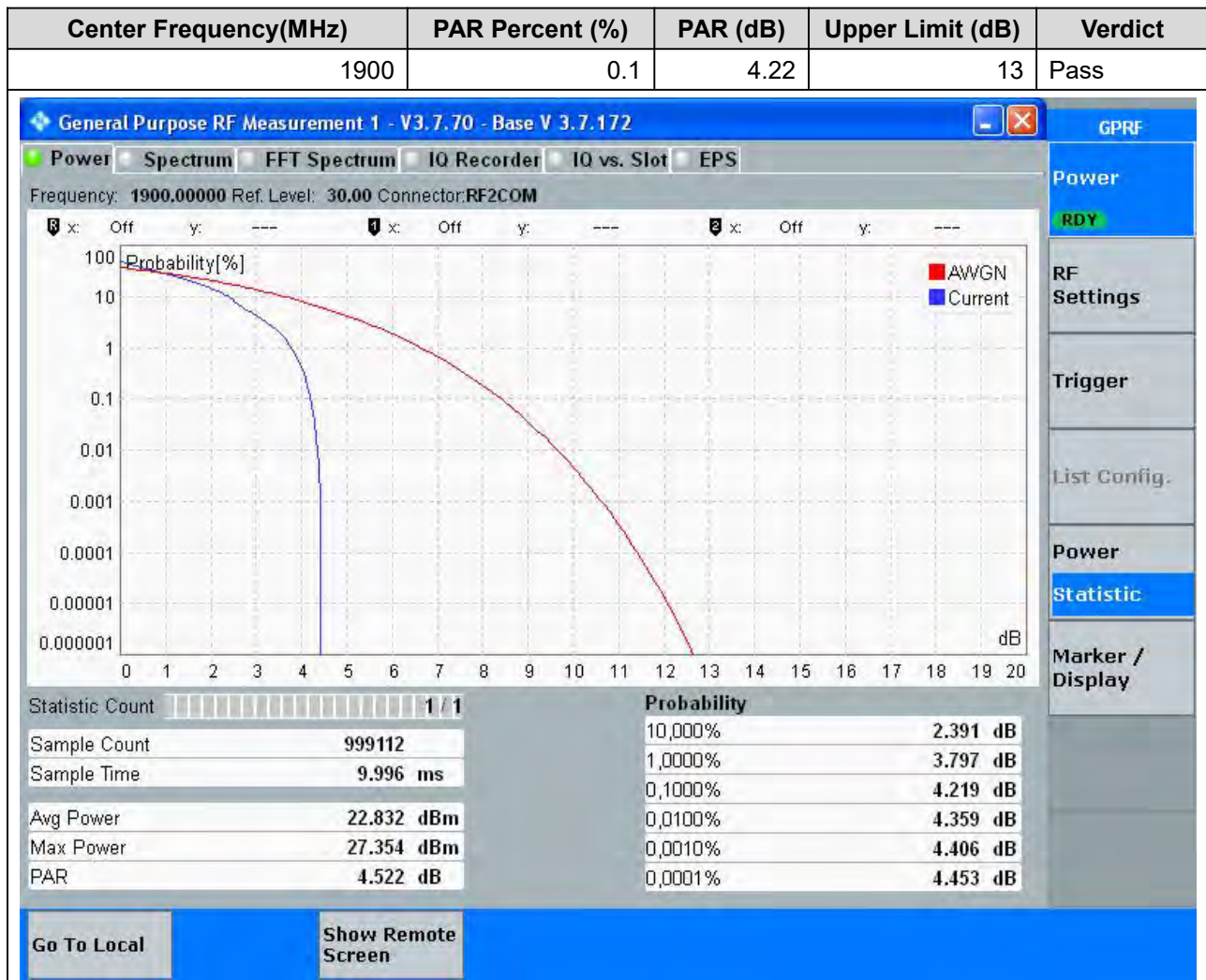
1.5. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:6, Channel:18900, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)



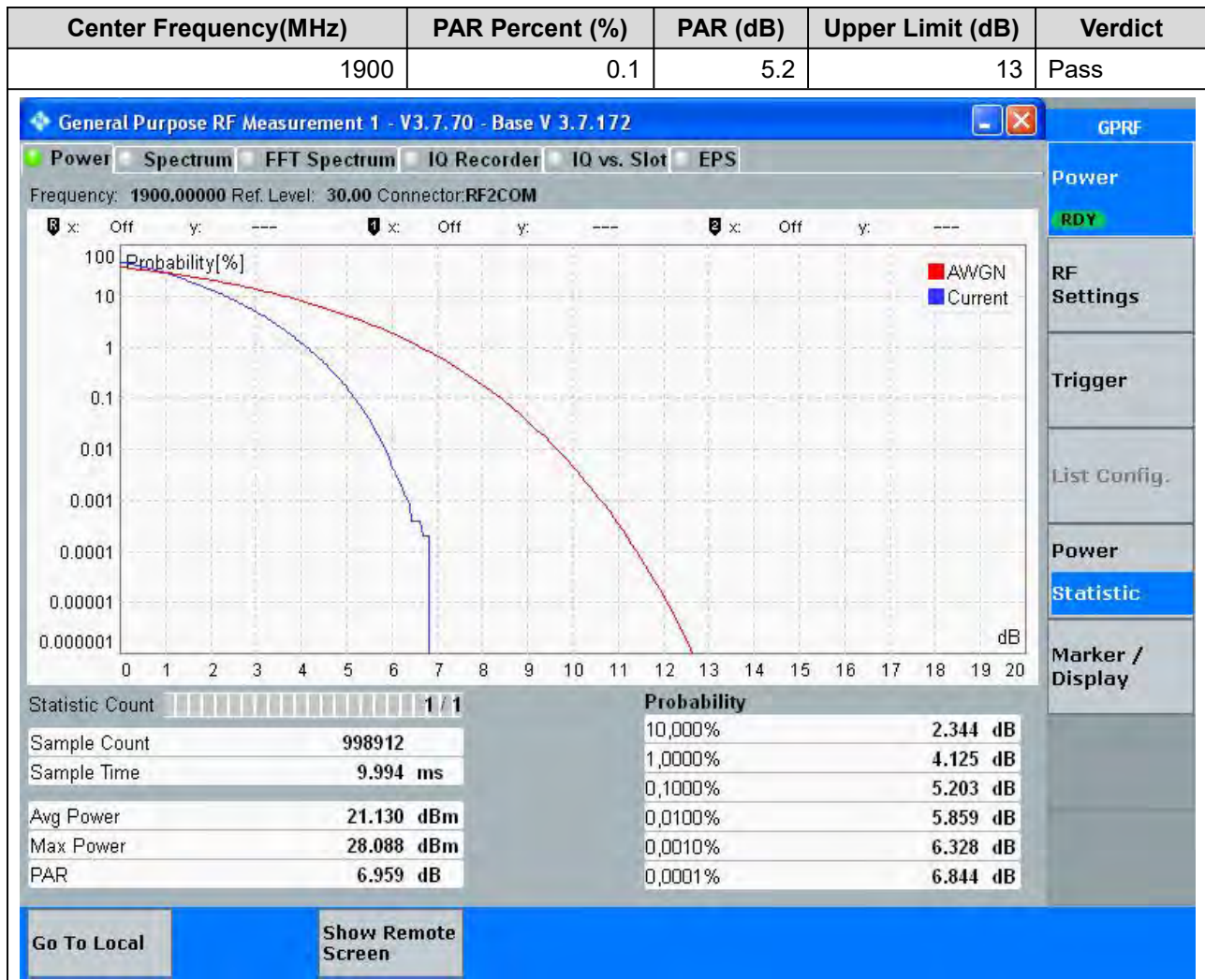
1.6. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:7, Channel:18900, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)



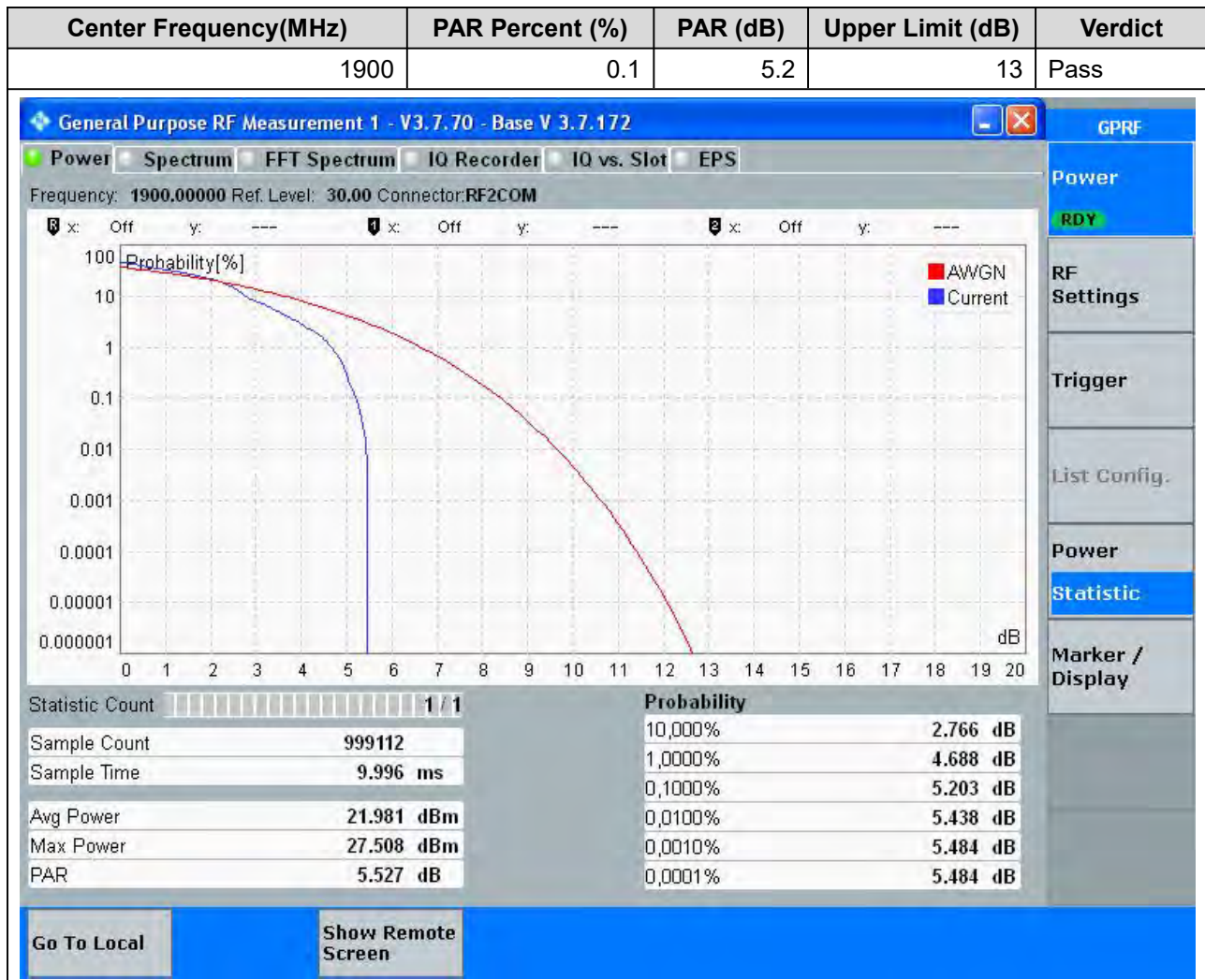
1.7. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:9, Channel:19100, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)



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

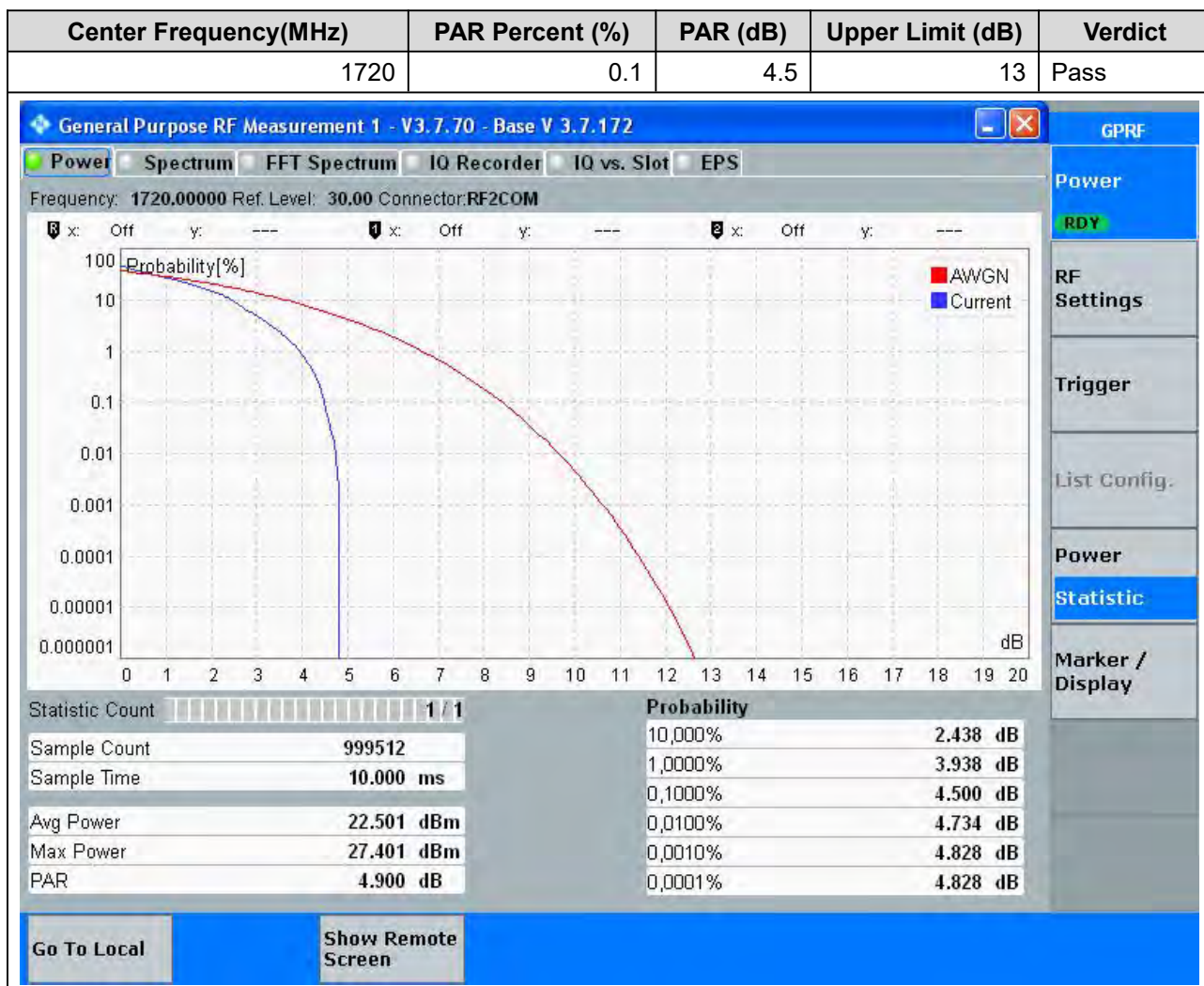


1.9. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:11, Channel:19100, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)

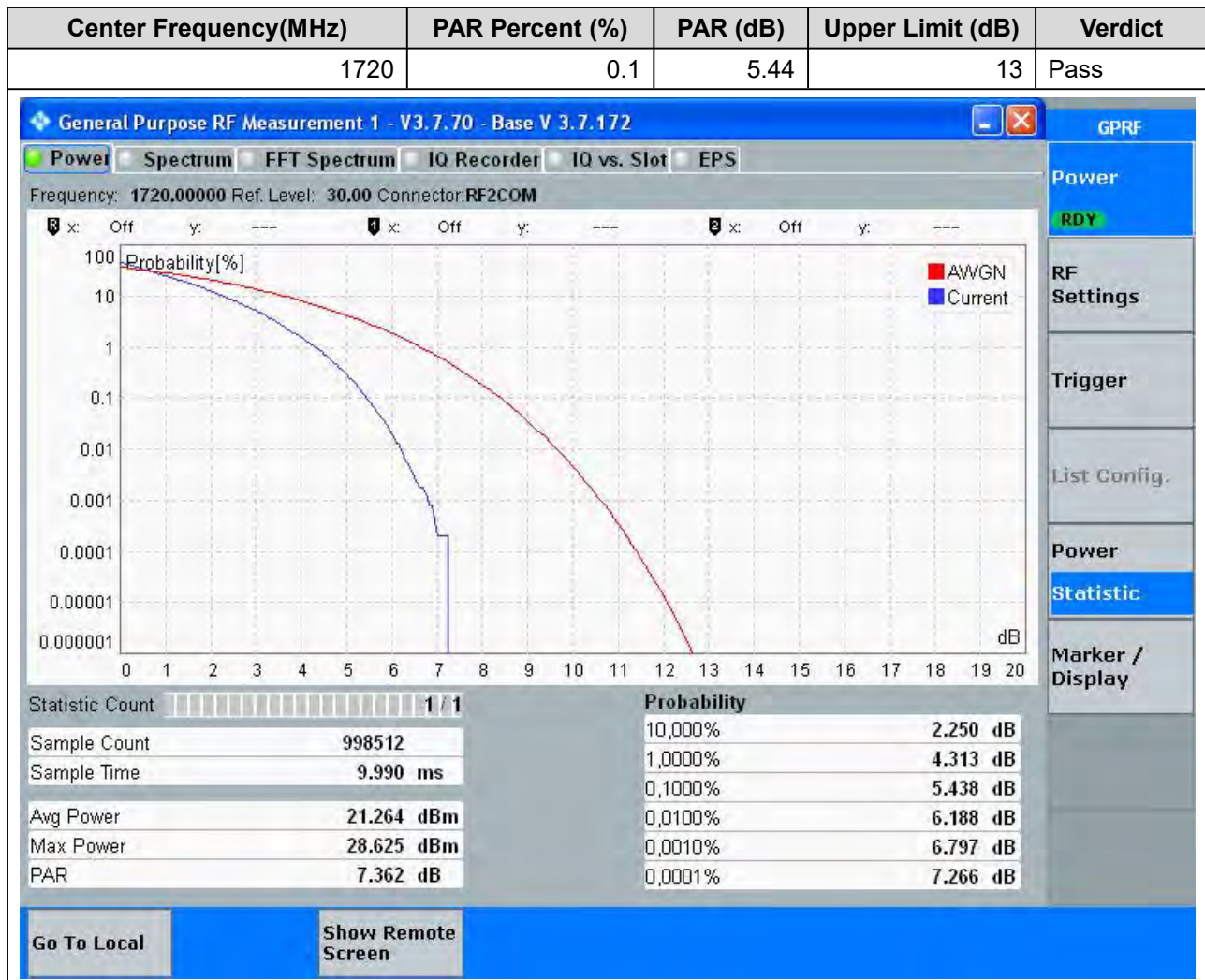


2. LTE_Band4

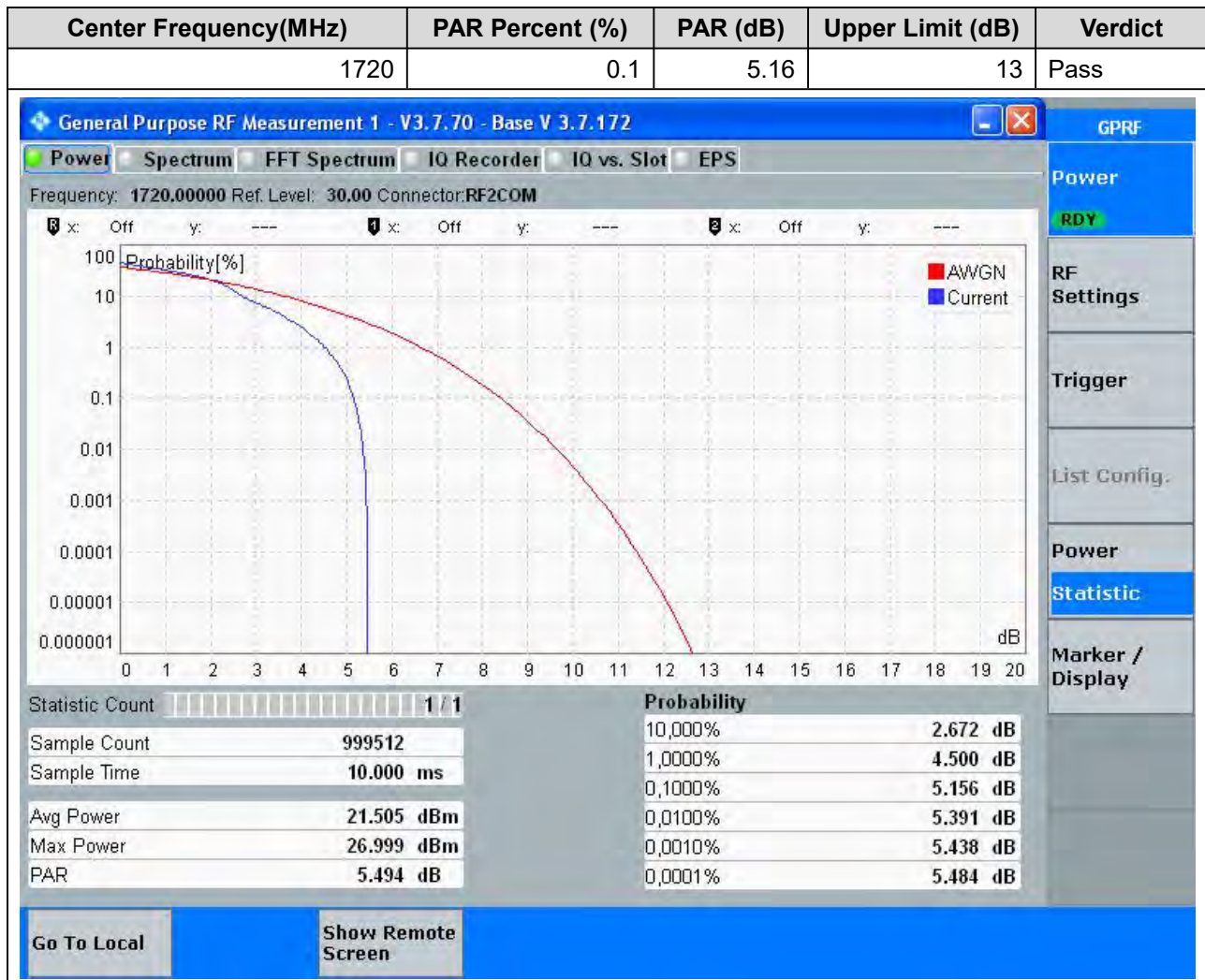
2.1. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:1, Channel:20050, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)



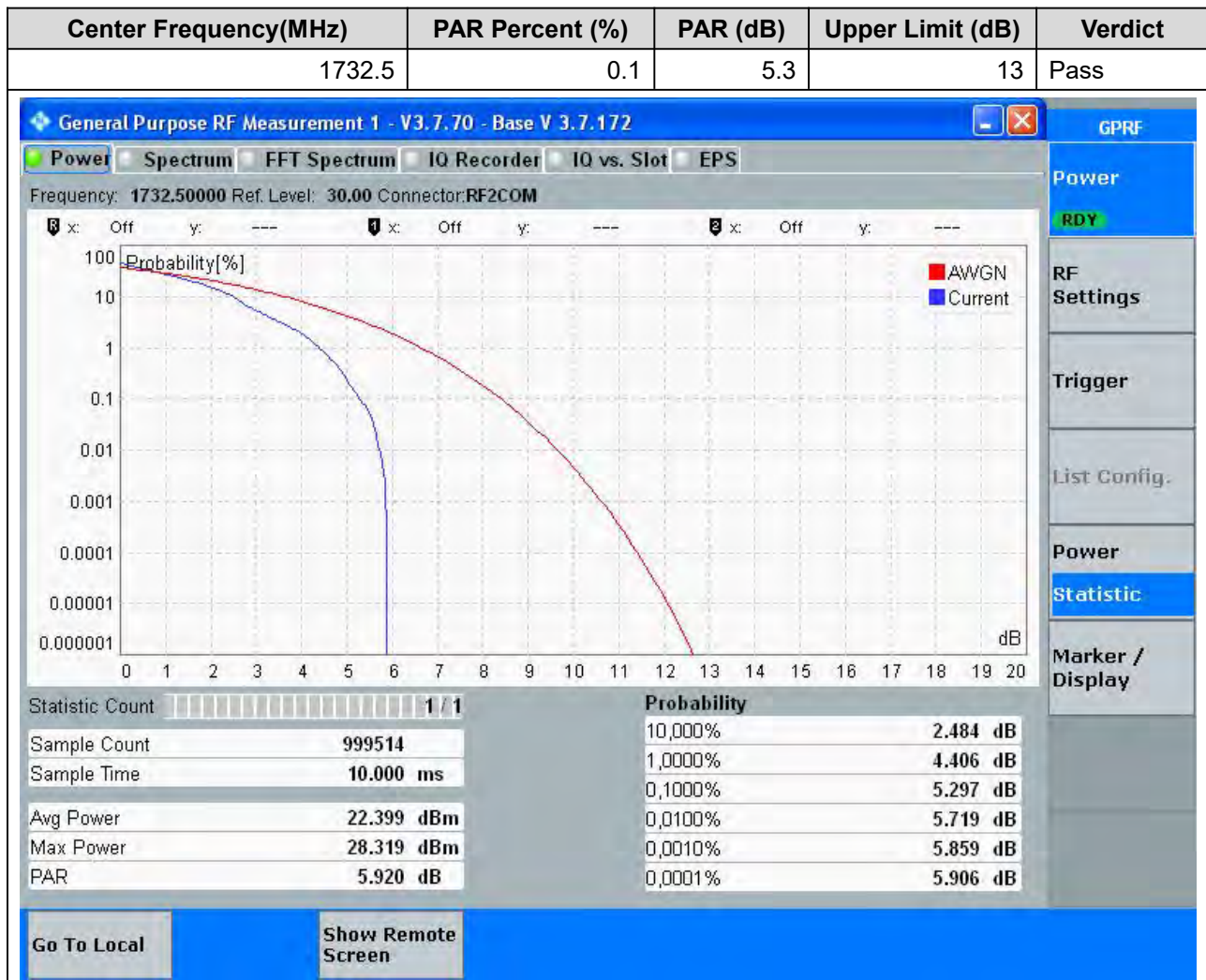
2.2. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:2, Channel:20050, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)



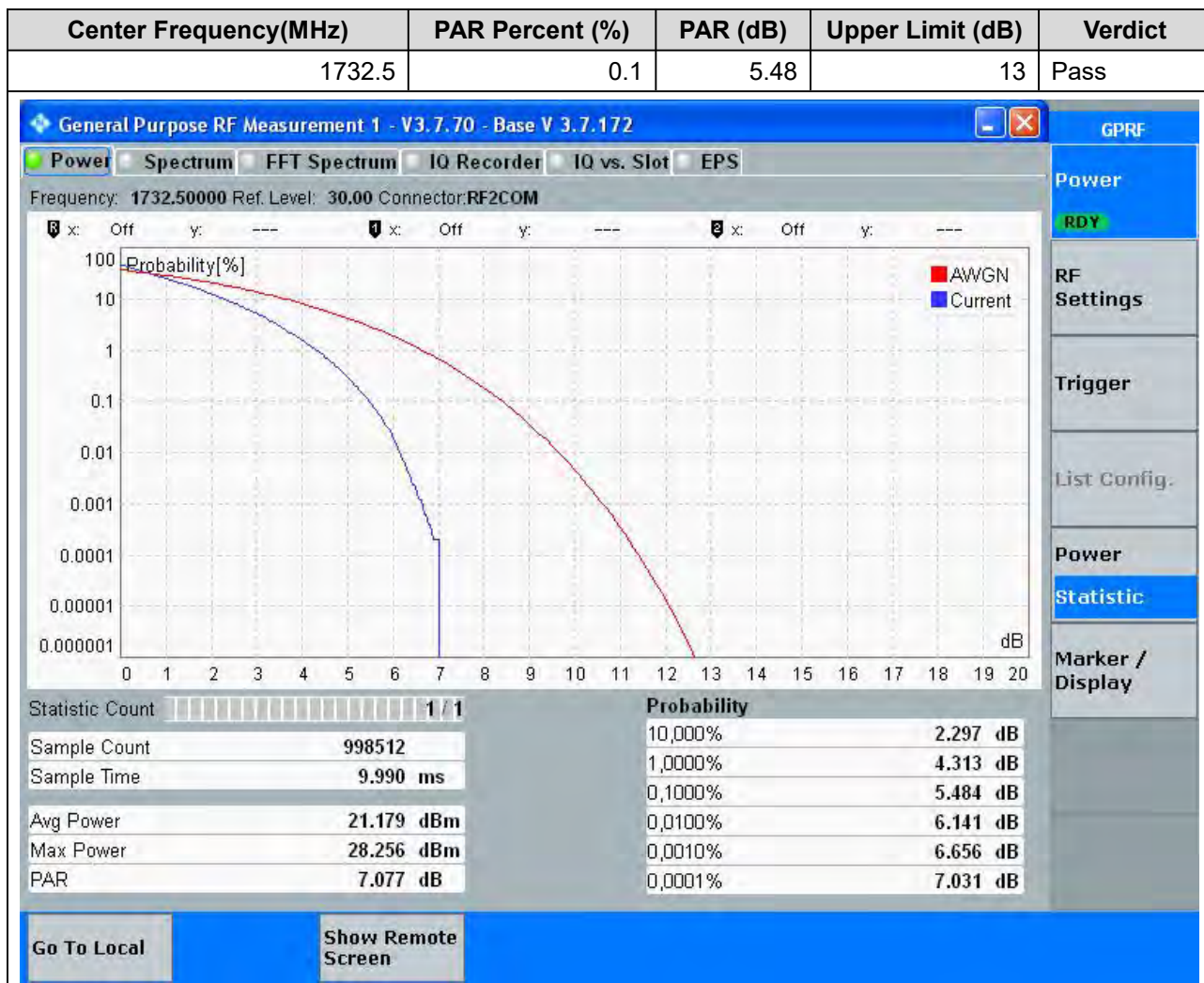
2.3. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:3, Channel:20050, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)



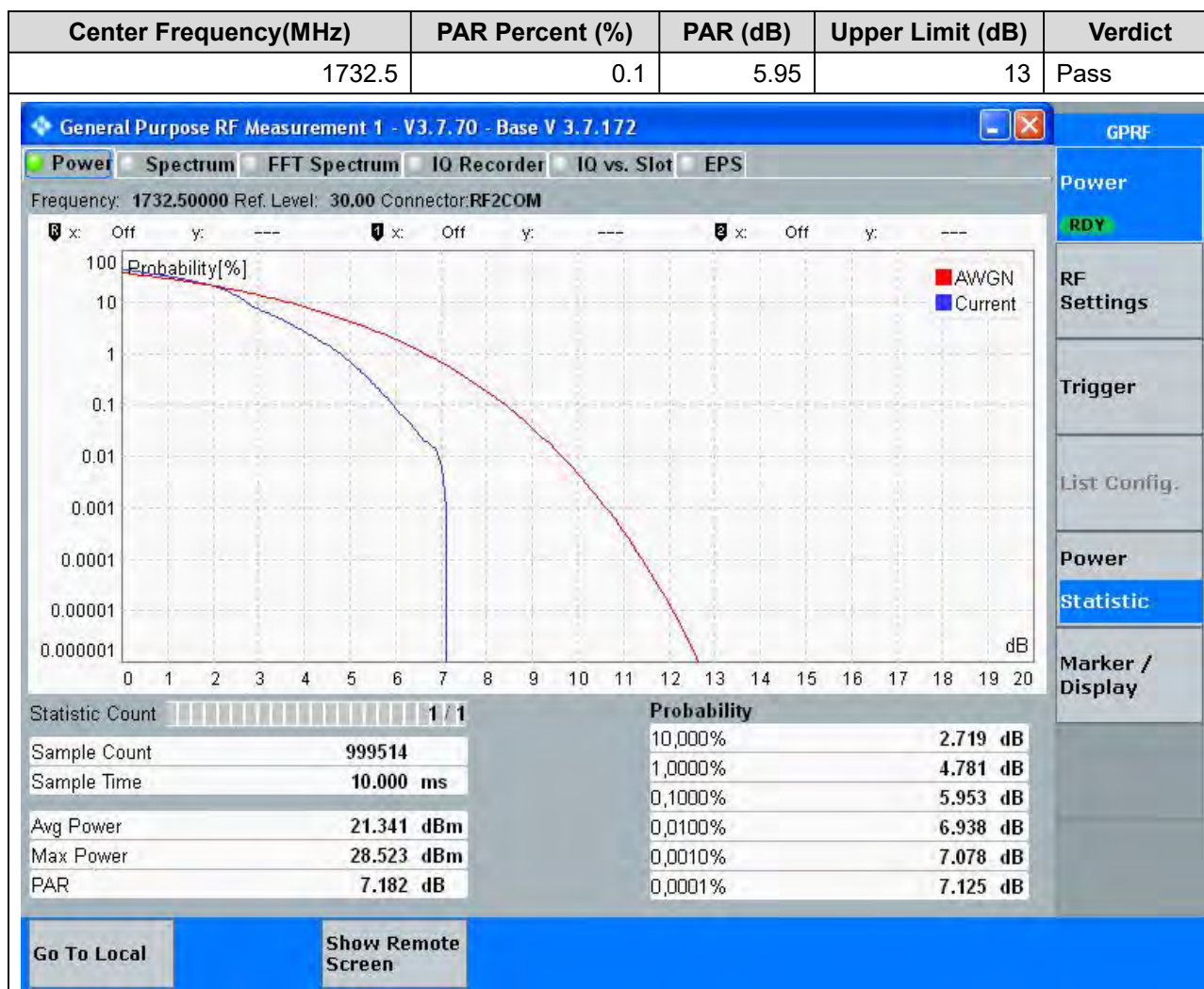
2.4. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:5, Channel:20175, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)



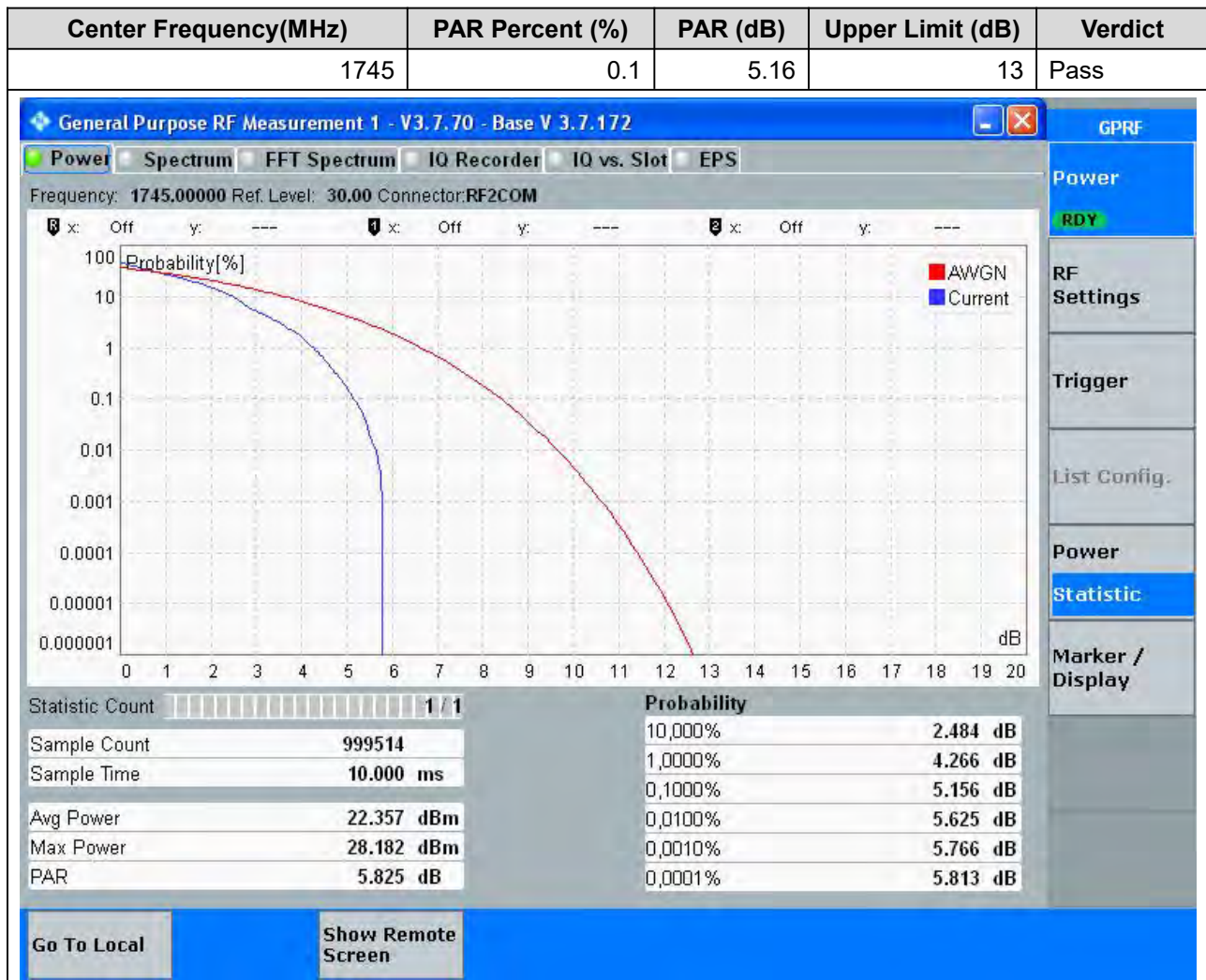
2.5. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:6, Channel:20175, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)



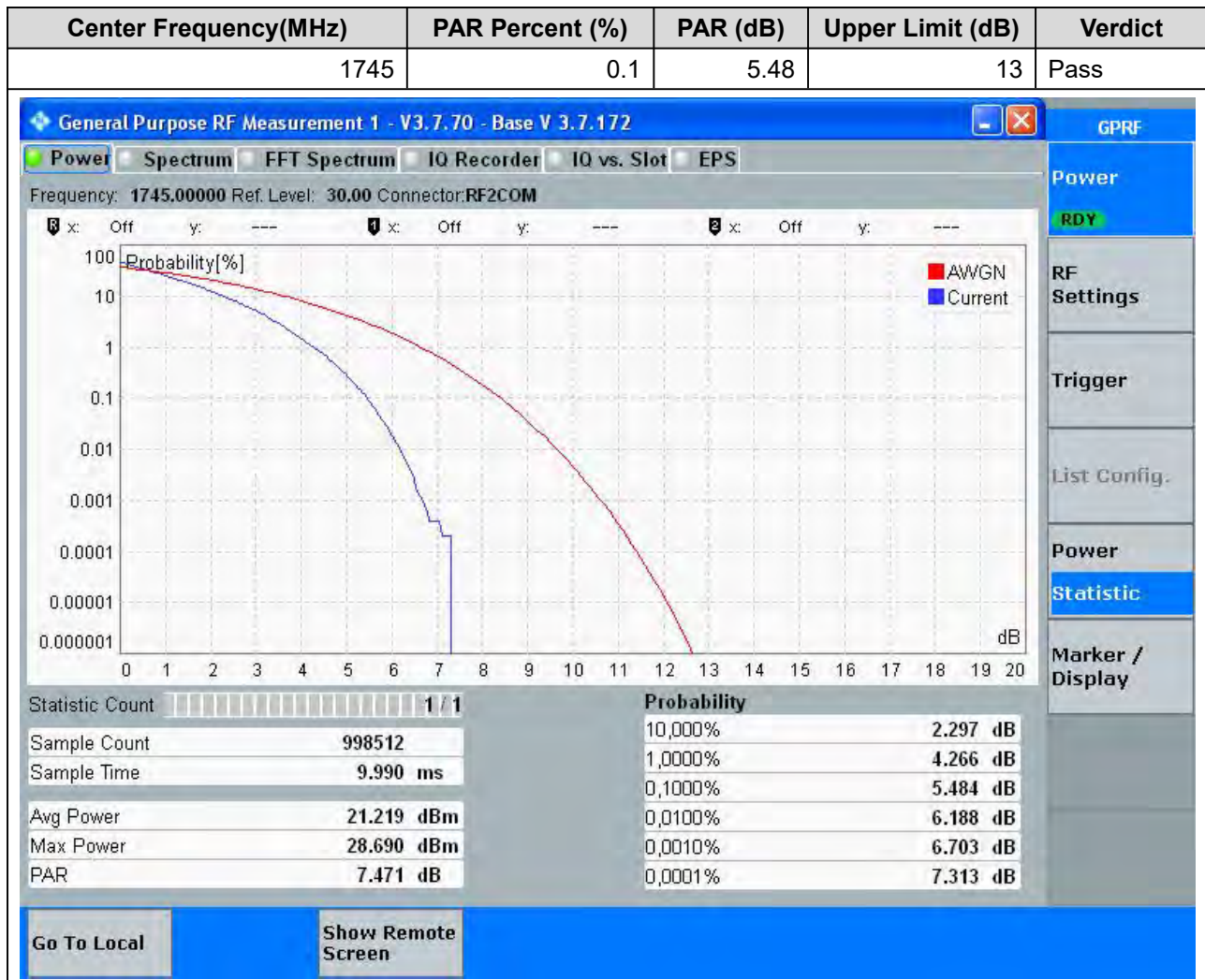
2.6. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:7, Channel:20175, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)



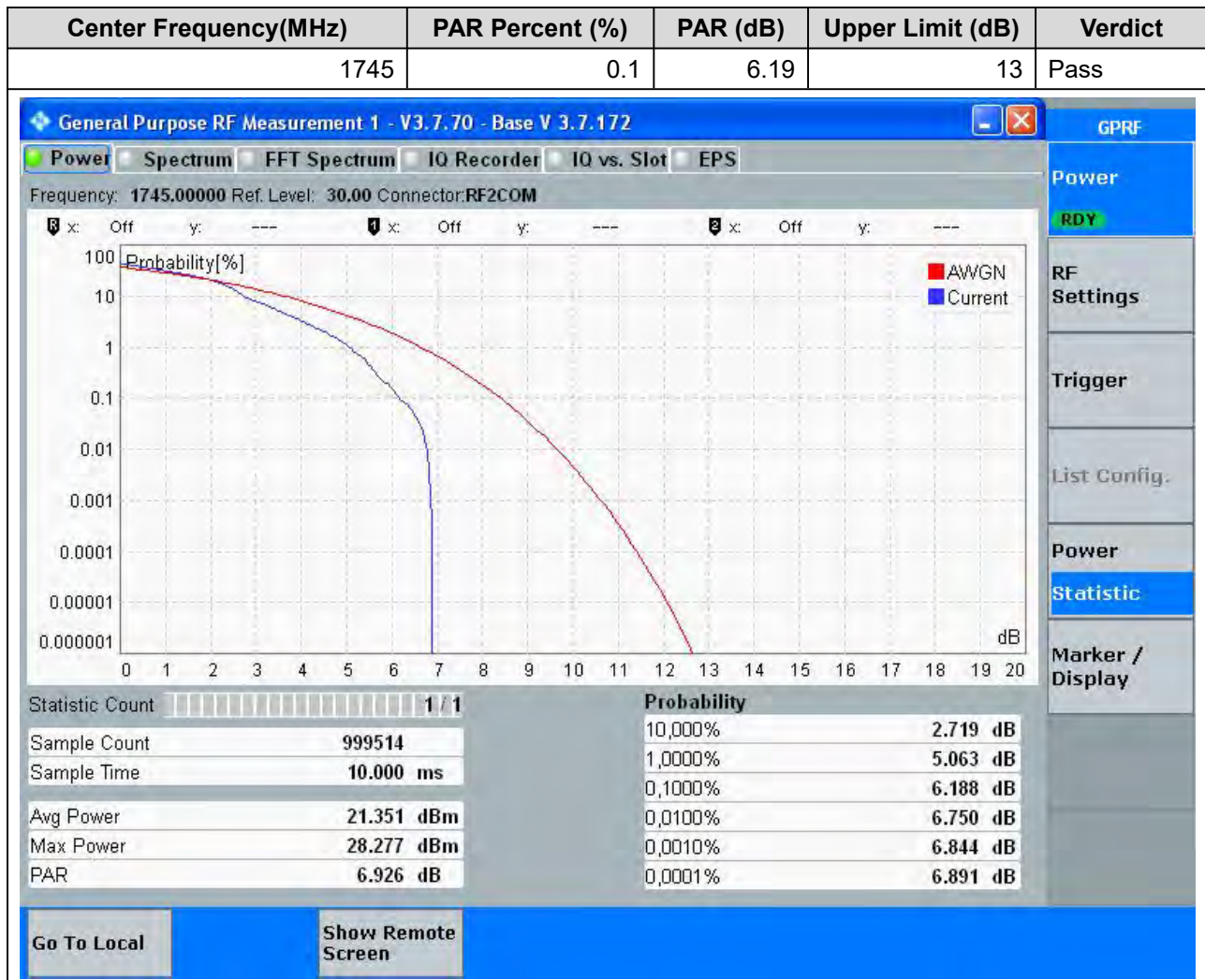
2.7. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:9, Channel:20300, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)



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

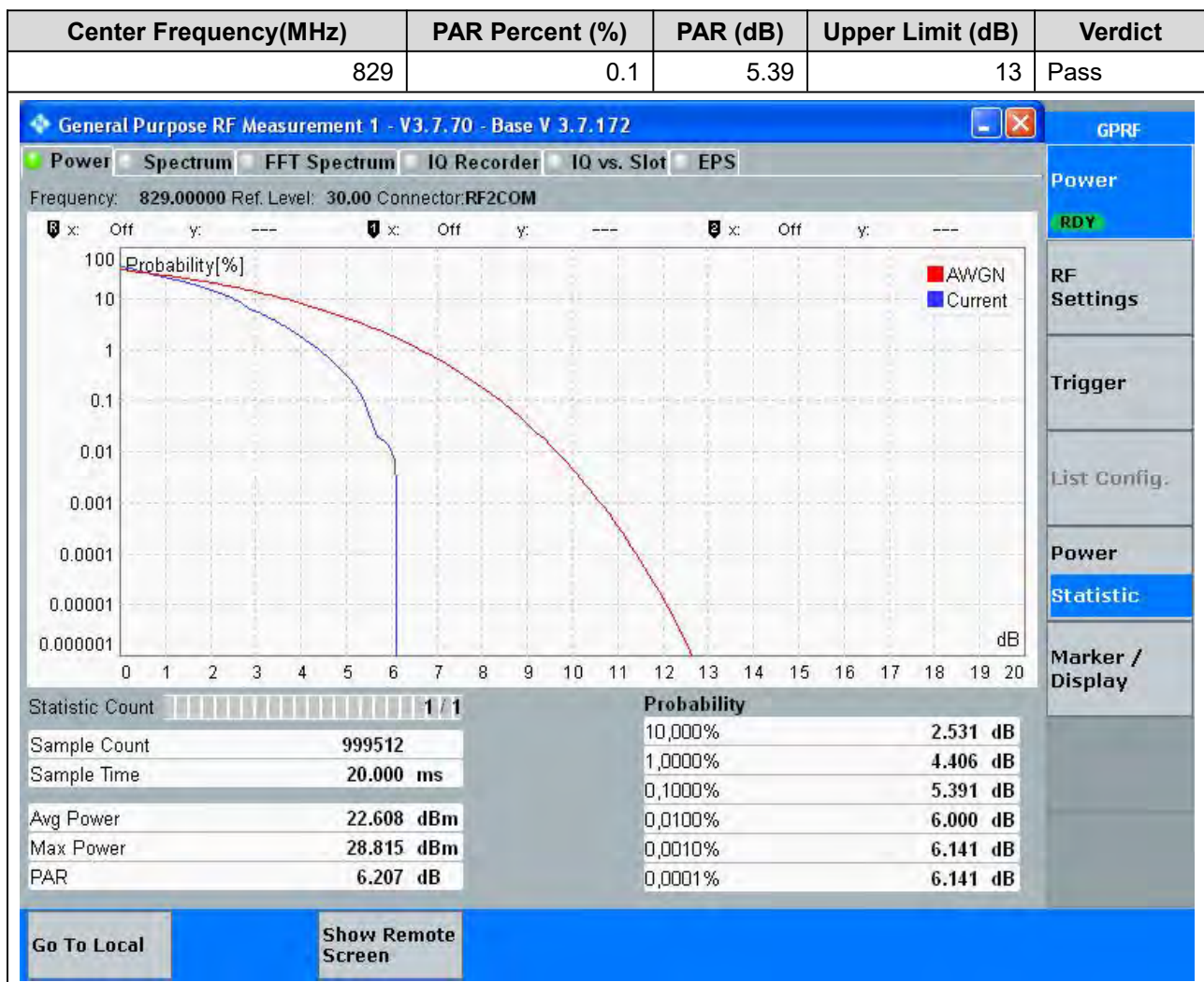


2.9. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:11, Channel:20300, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)

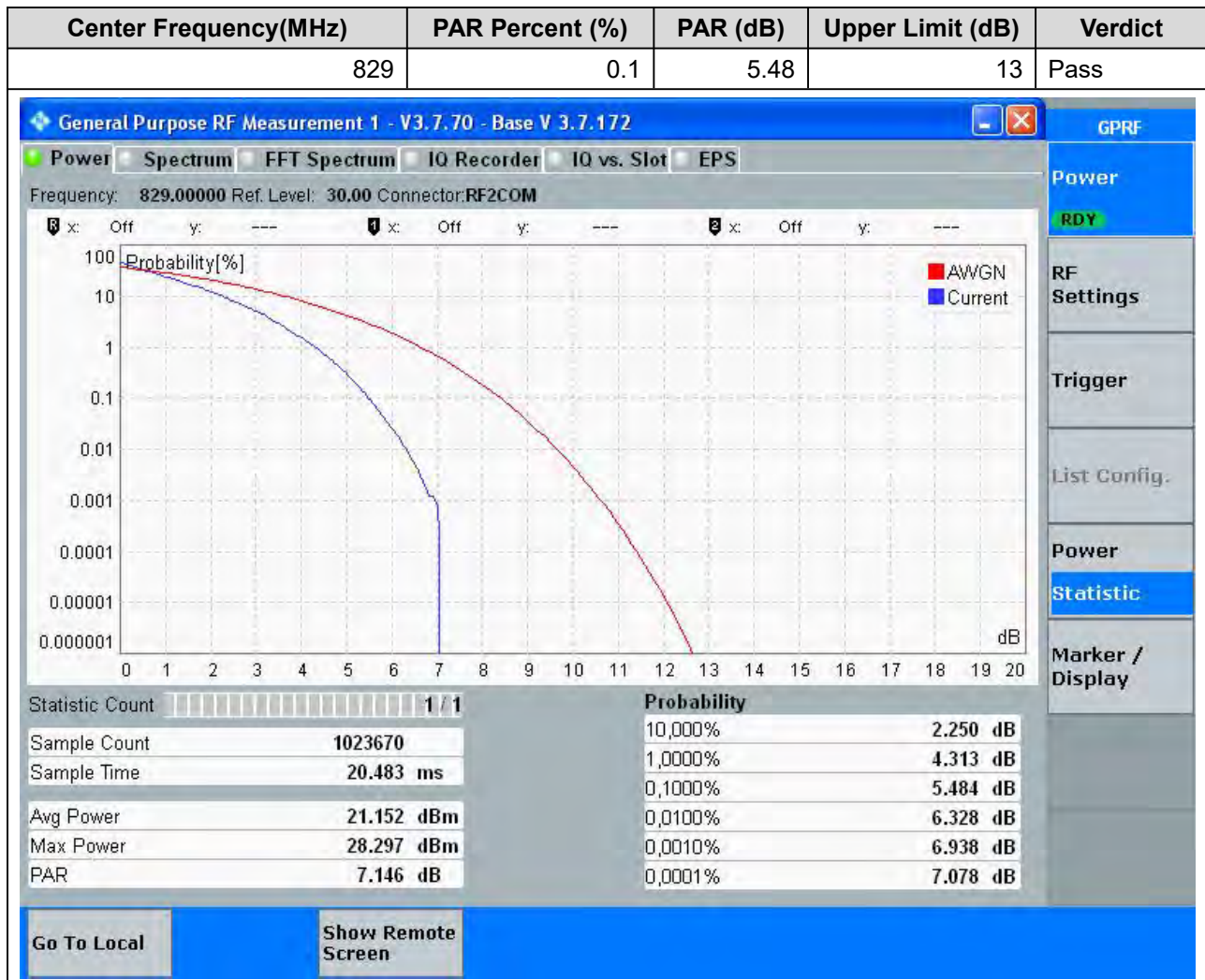


3. LTE_Band5

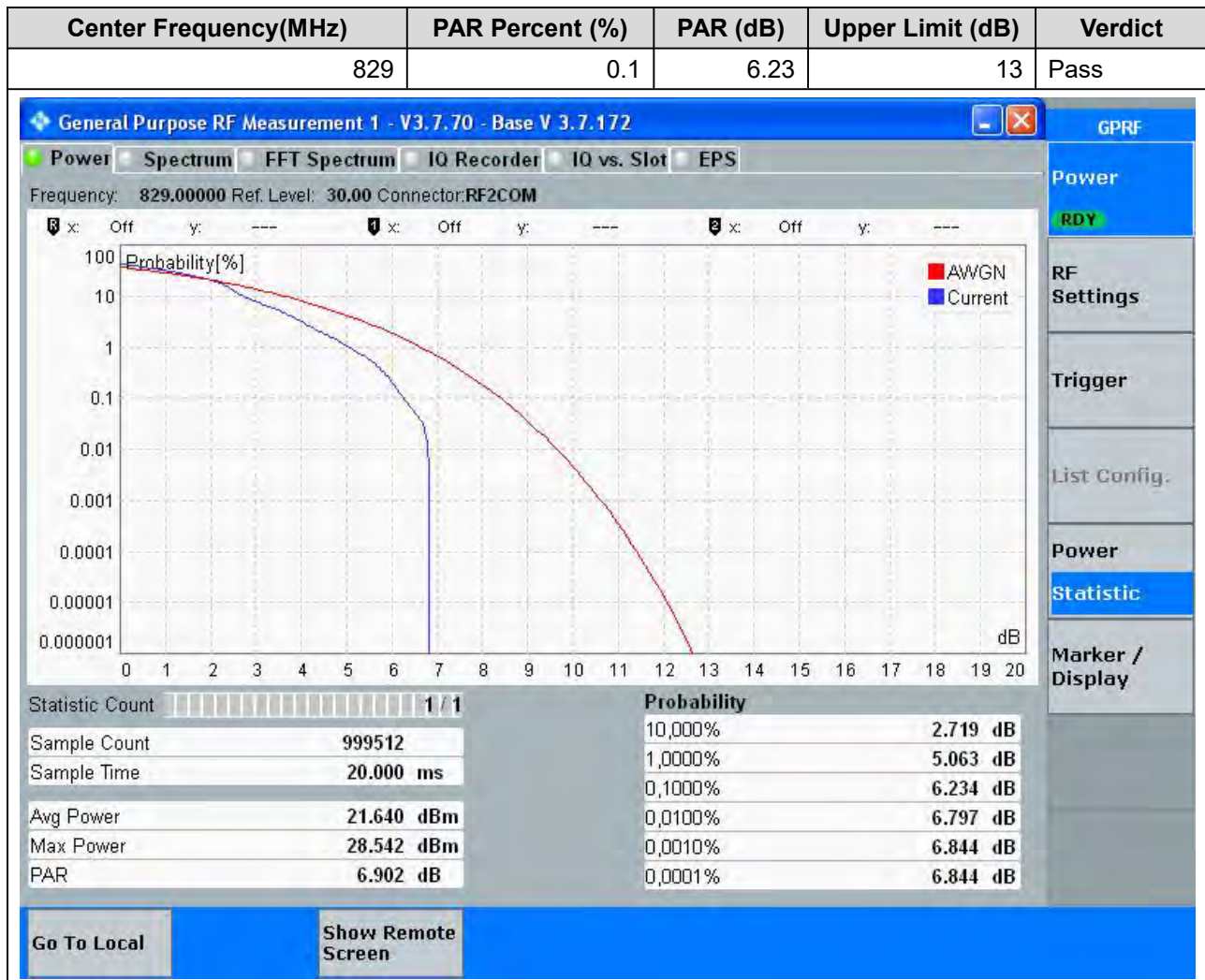
3.1. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:1, Channel:20450, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)



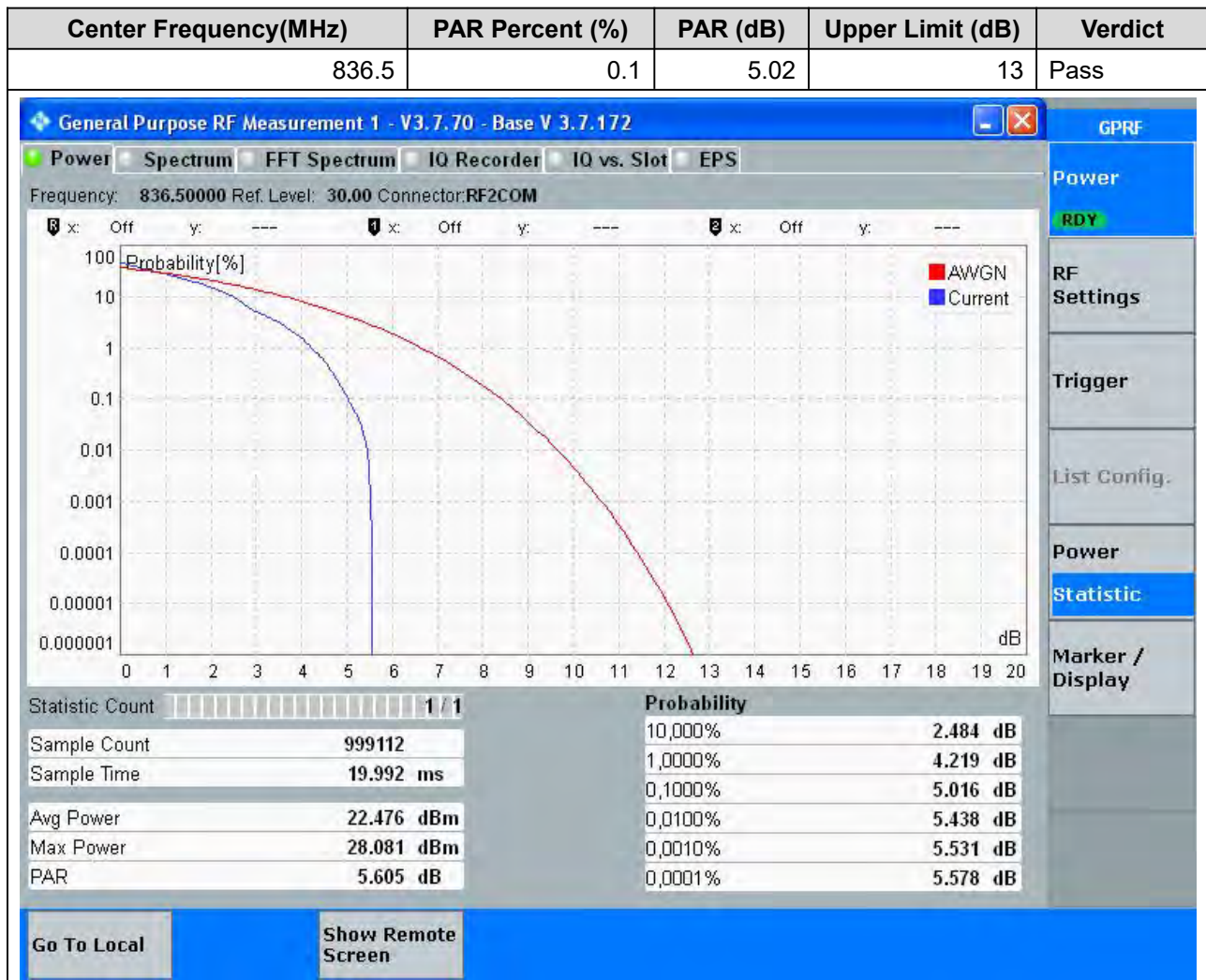
3.2. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:2, Channel:20450, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)



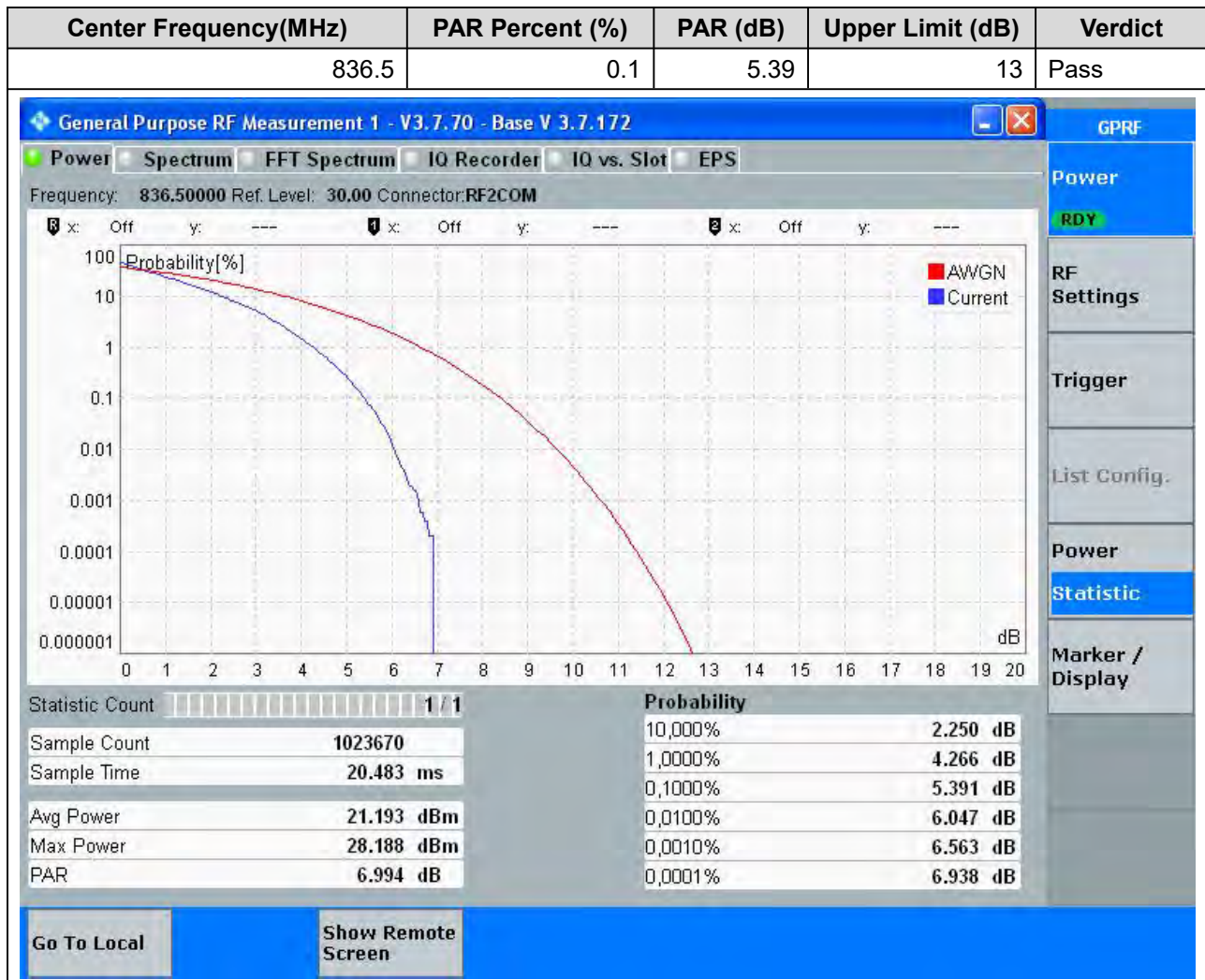
3.3. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:3, Channel:20450, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:LOW)



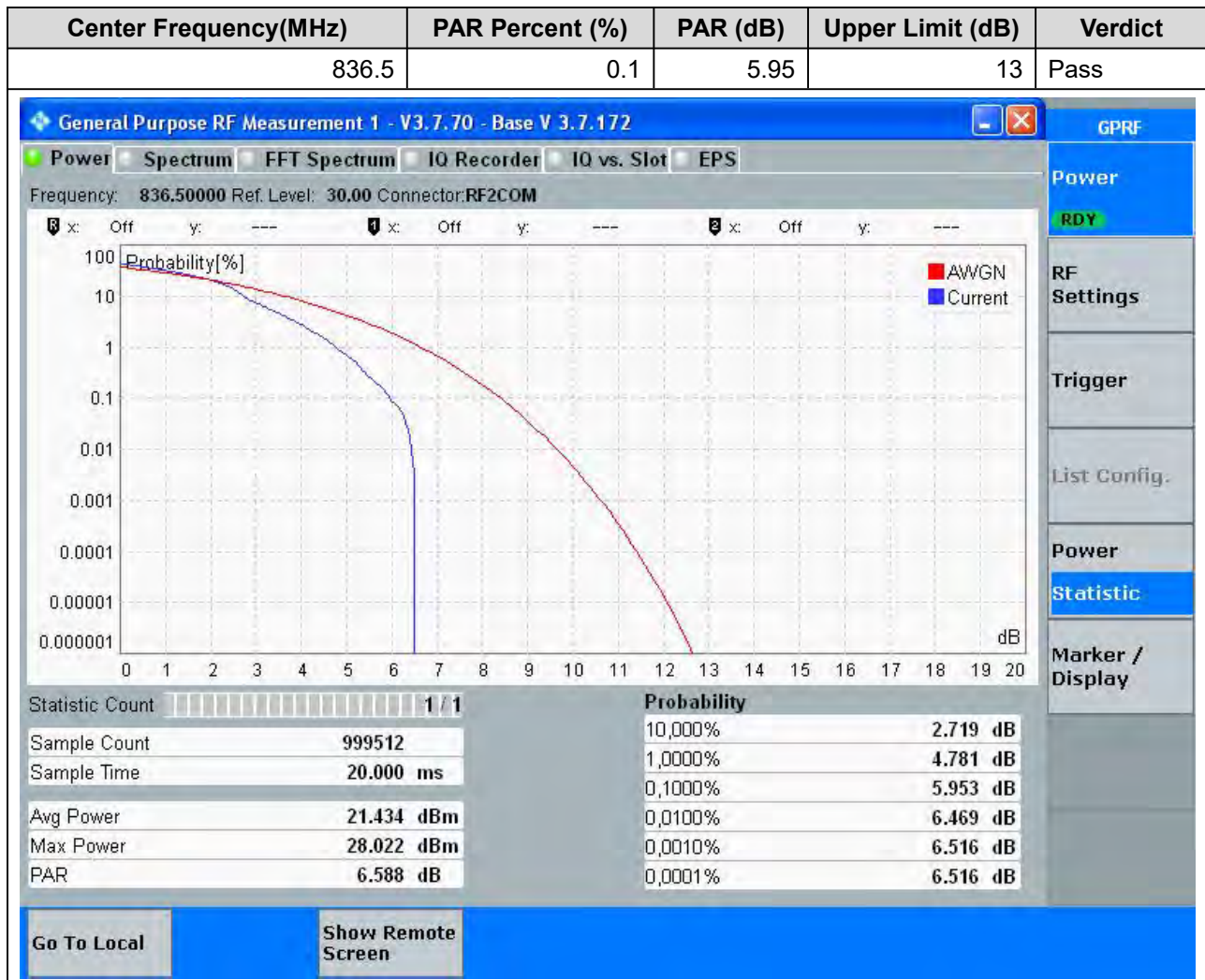
3.4. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:5, Channel:20525, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)



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

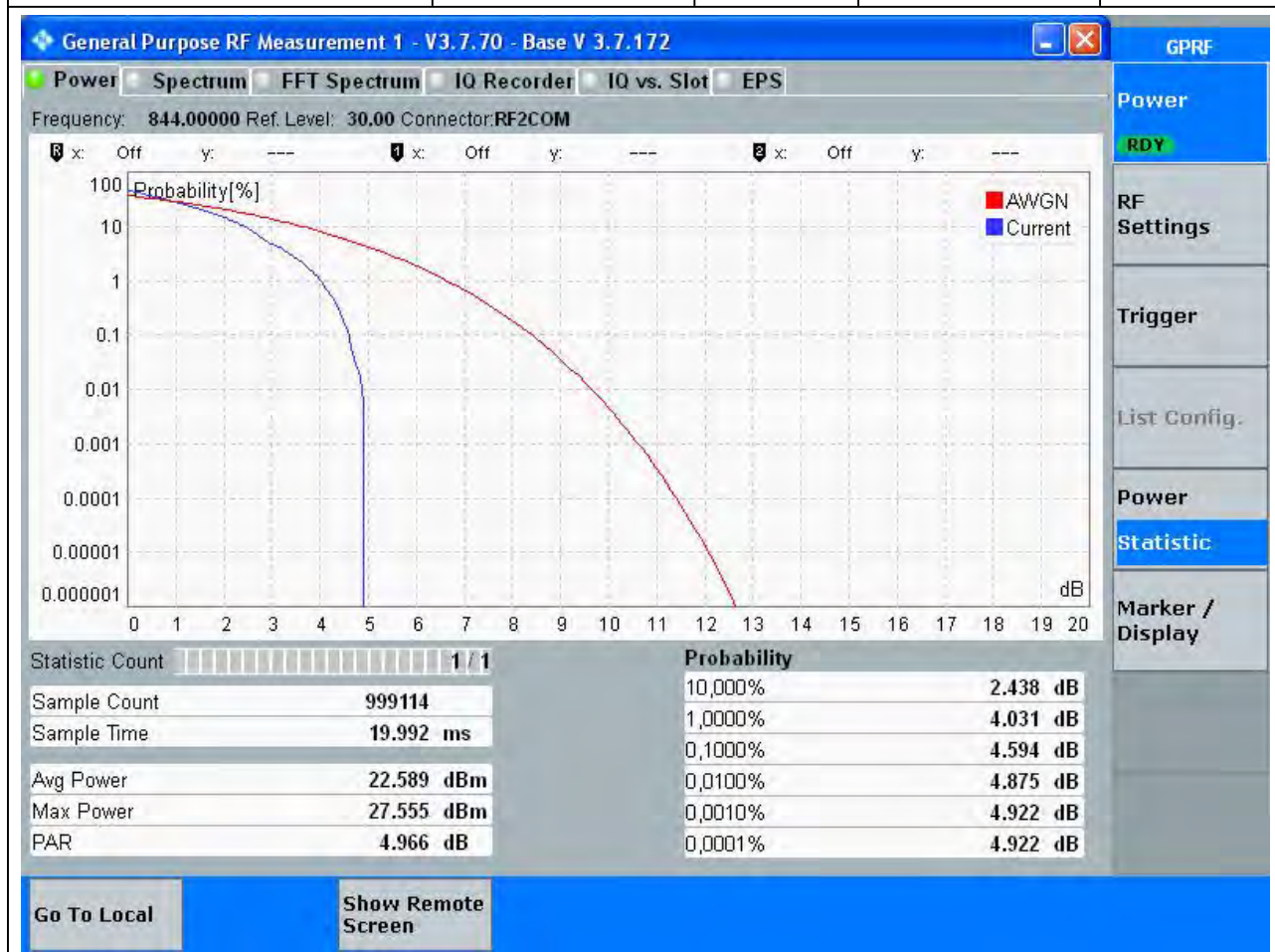


3.6. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:7, Channel:20525, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:LOW)

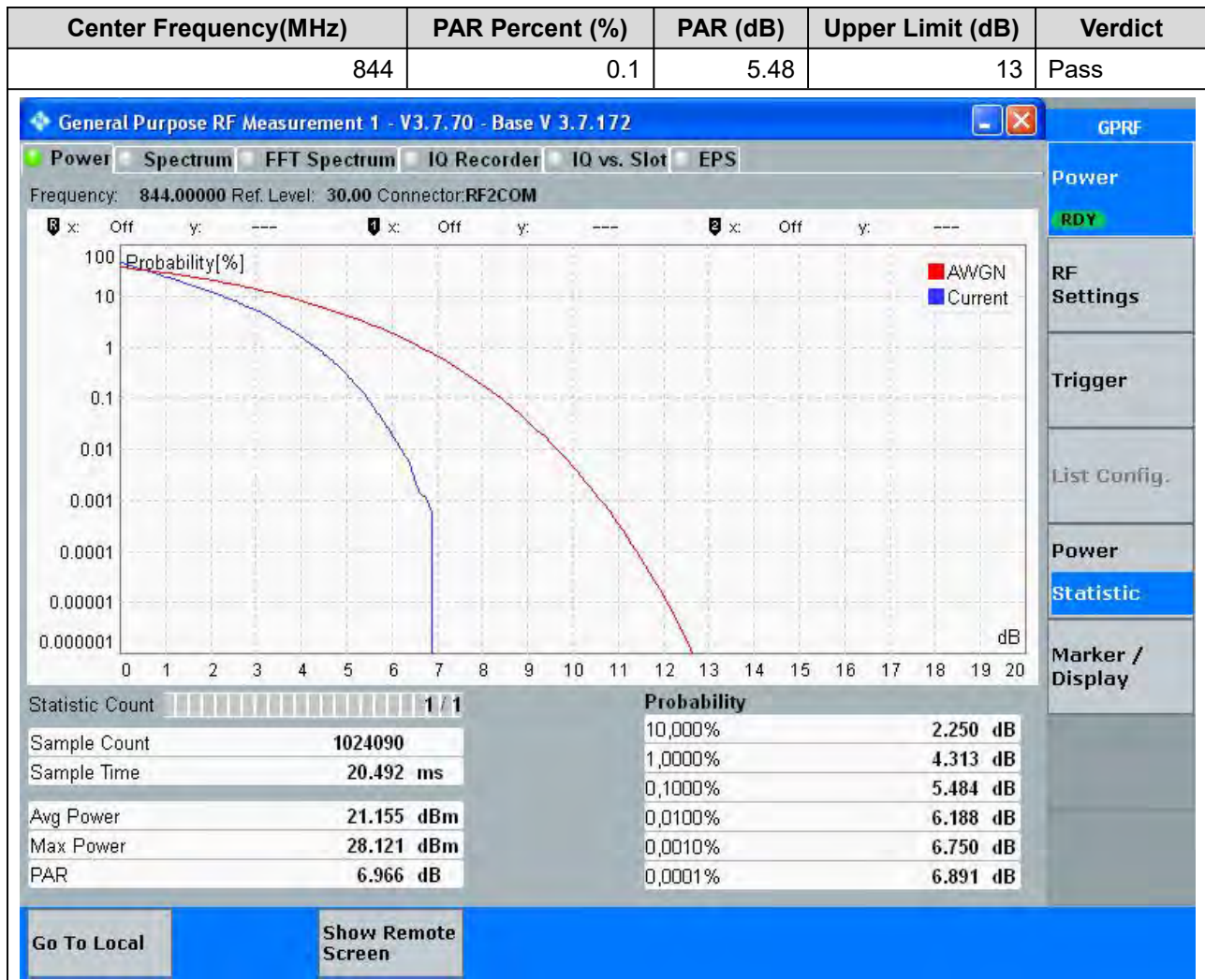


3.7. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:9, Channel:20600, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)

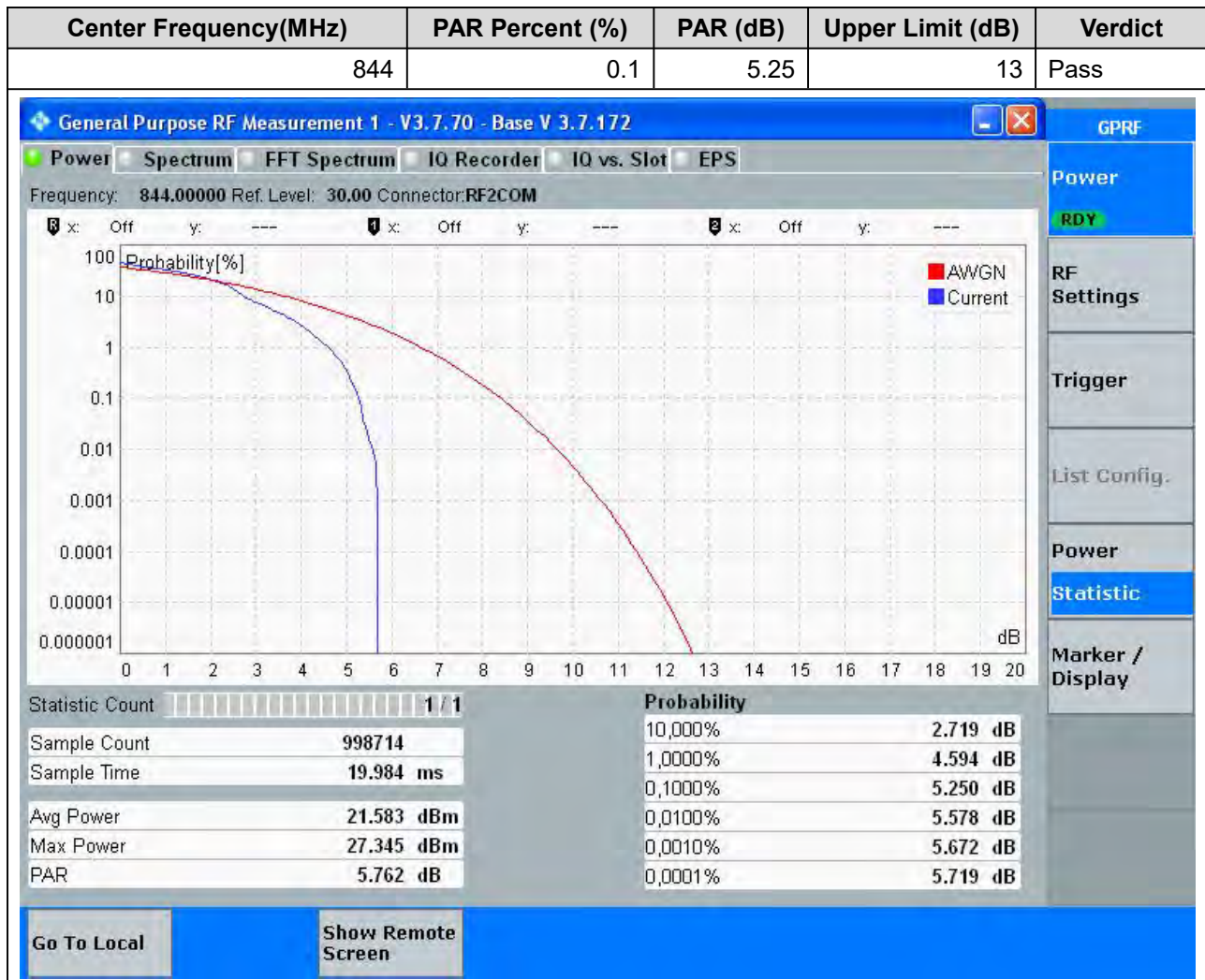
Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
844	0.1	4.59	13	Pass



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

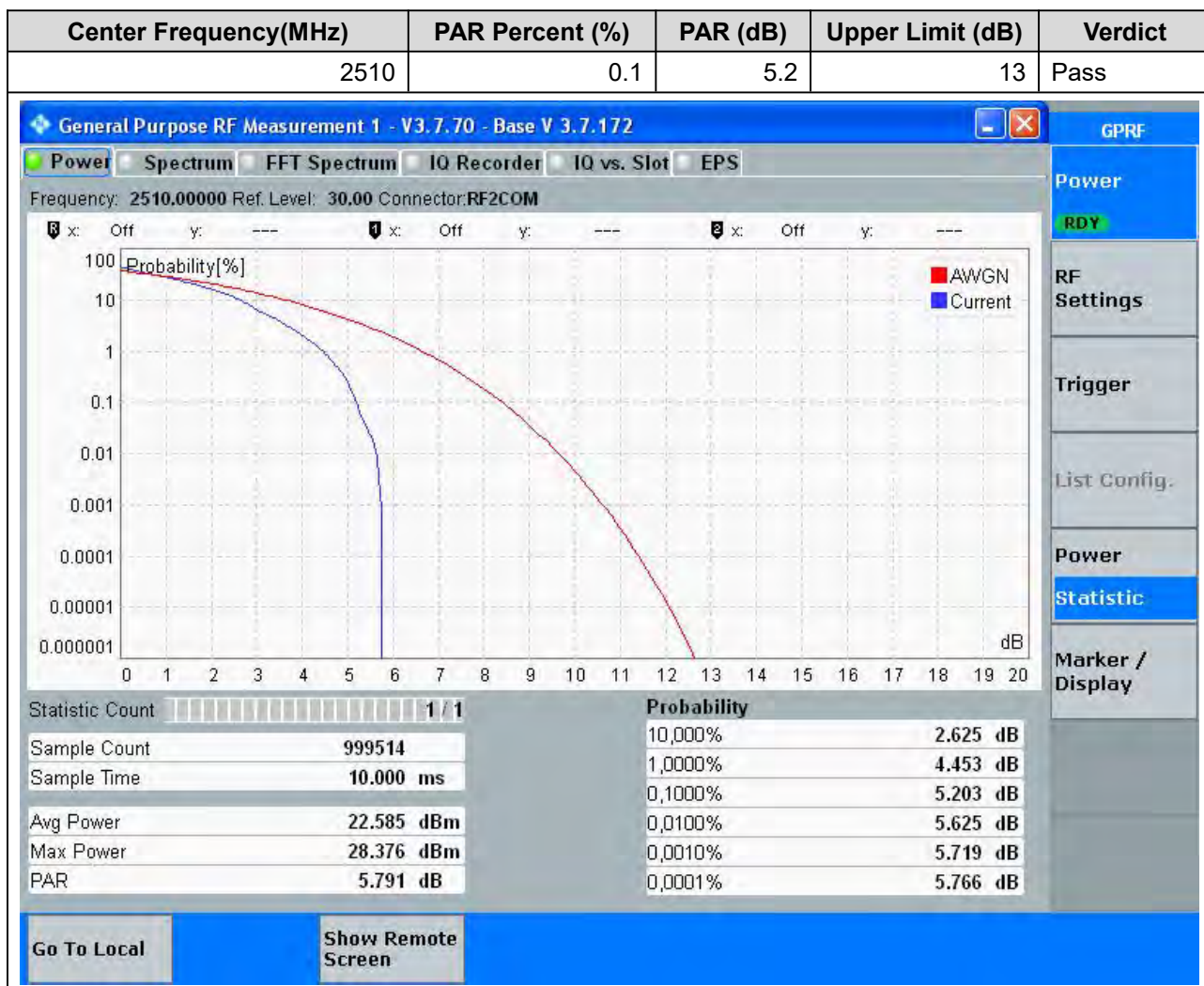


3.9. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:11, Channel:20600, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:LOW)

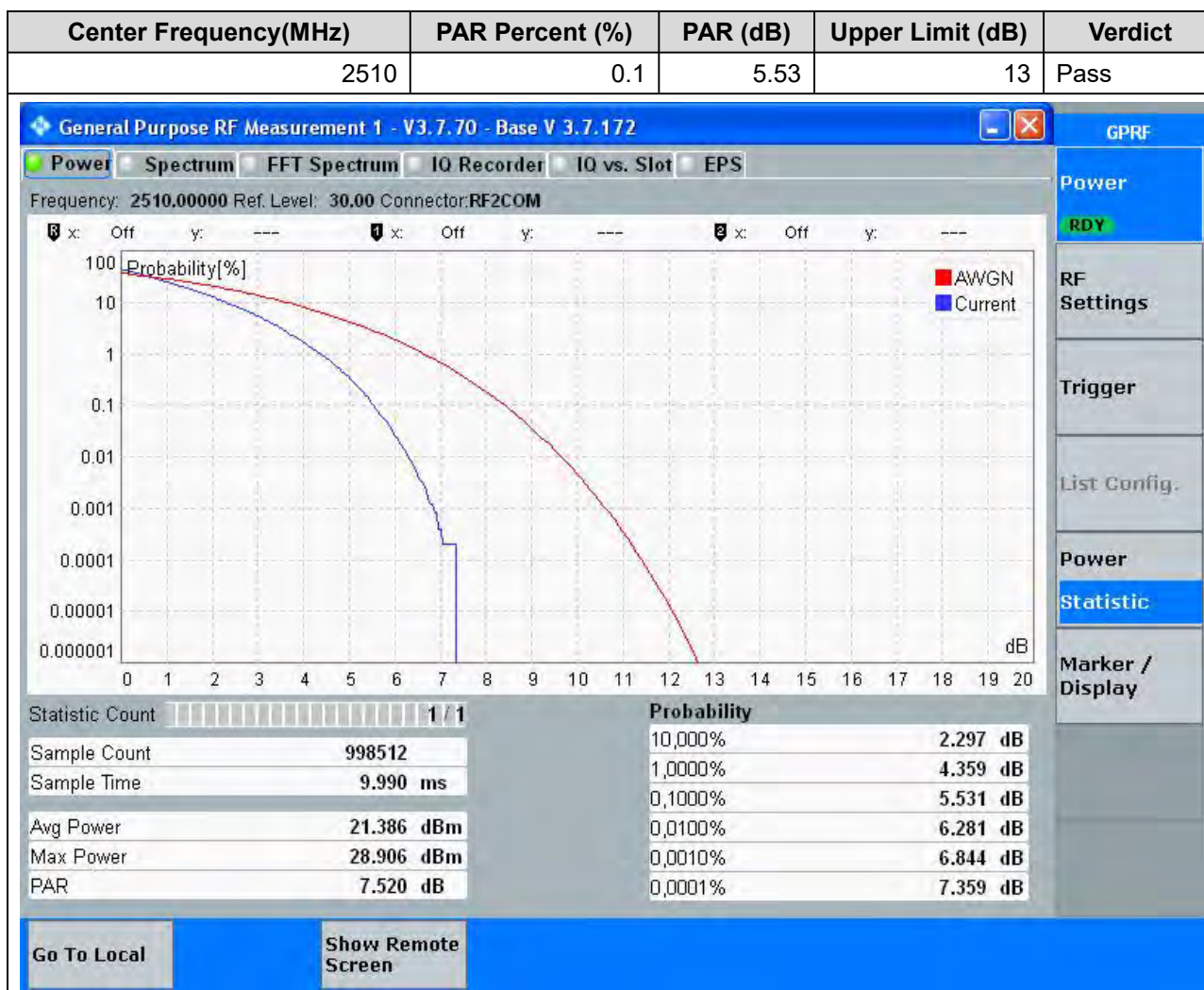


4. LTE_Band7

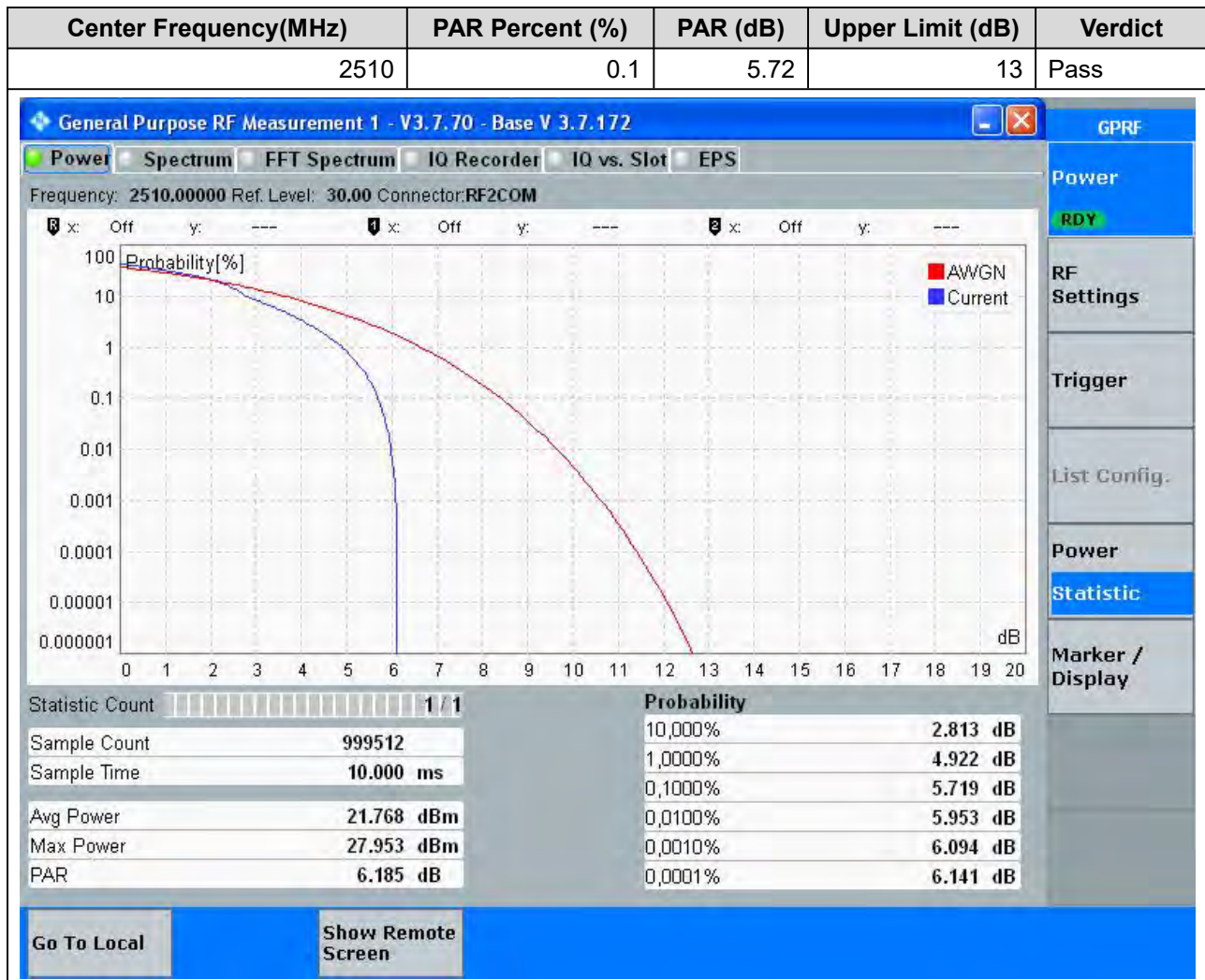
4.1. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:1, Channel:20850, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)



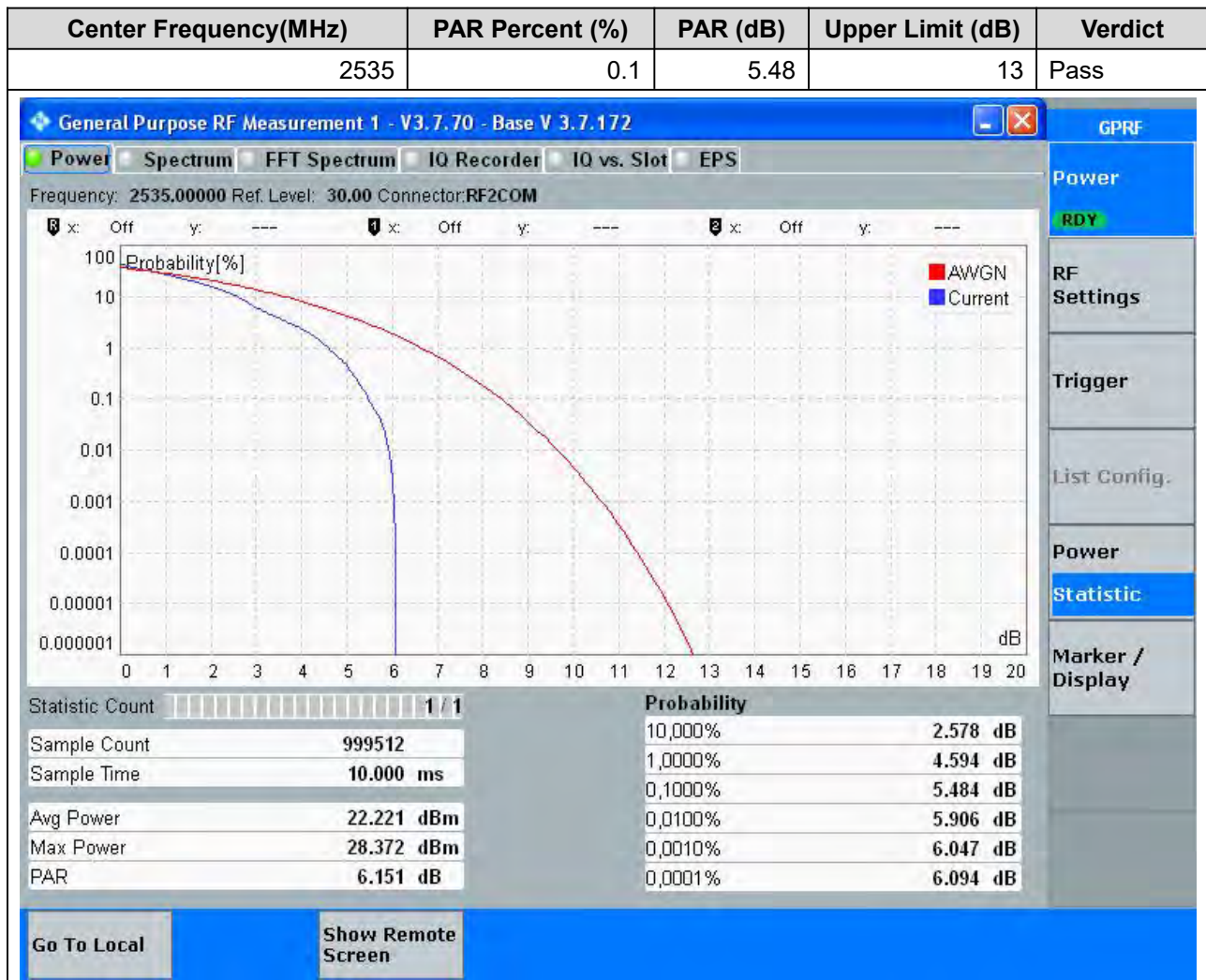
4.2. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:2, Channel:20850, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)



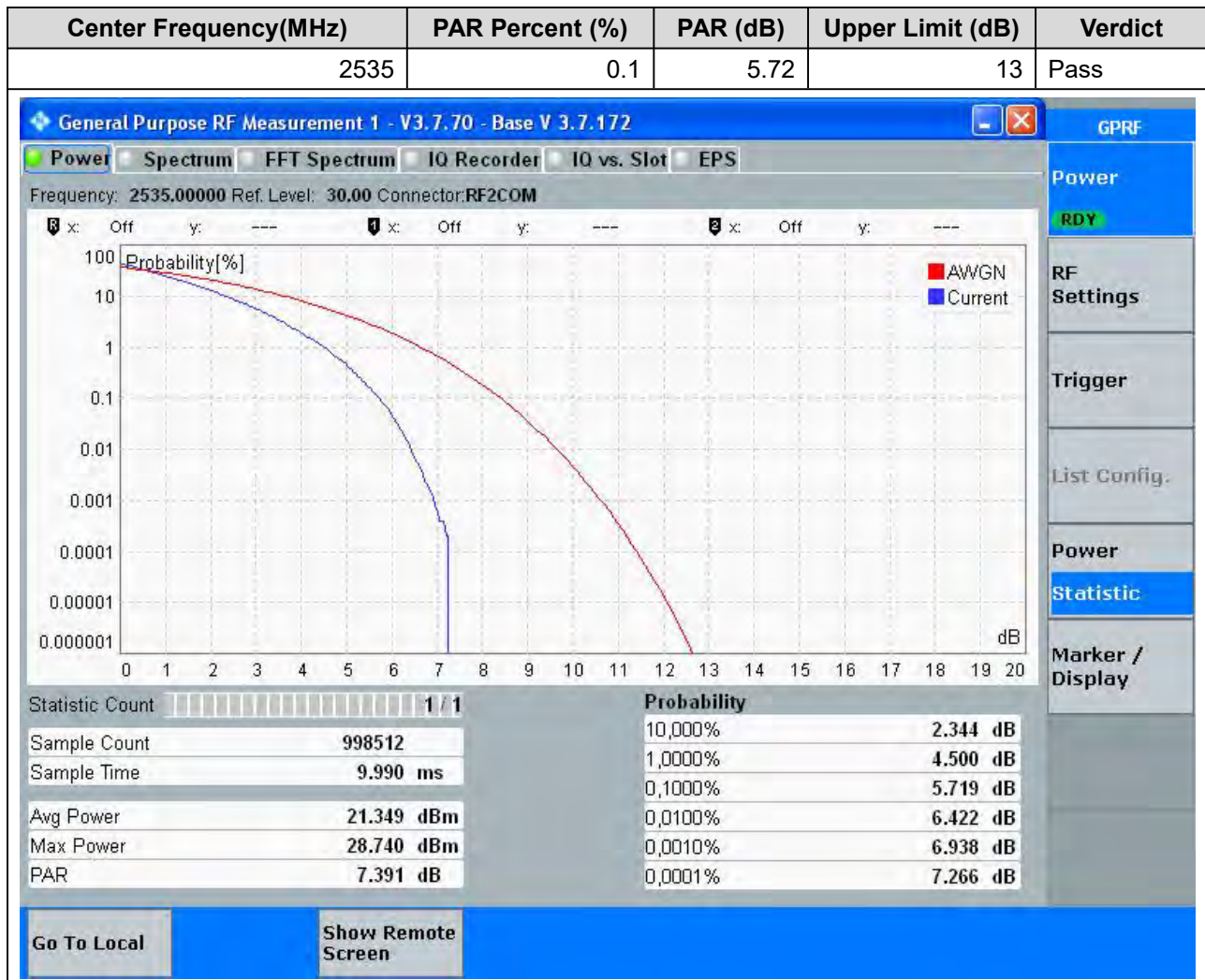
4.3. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:3, Channel:20850, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)



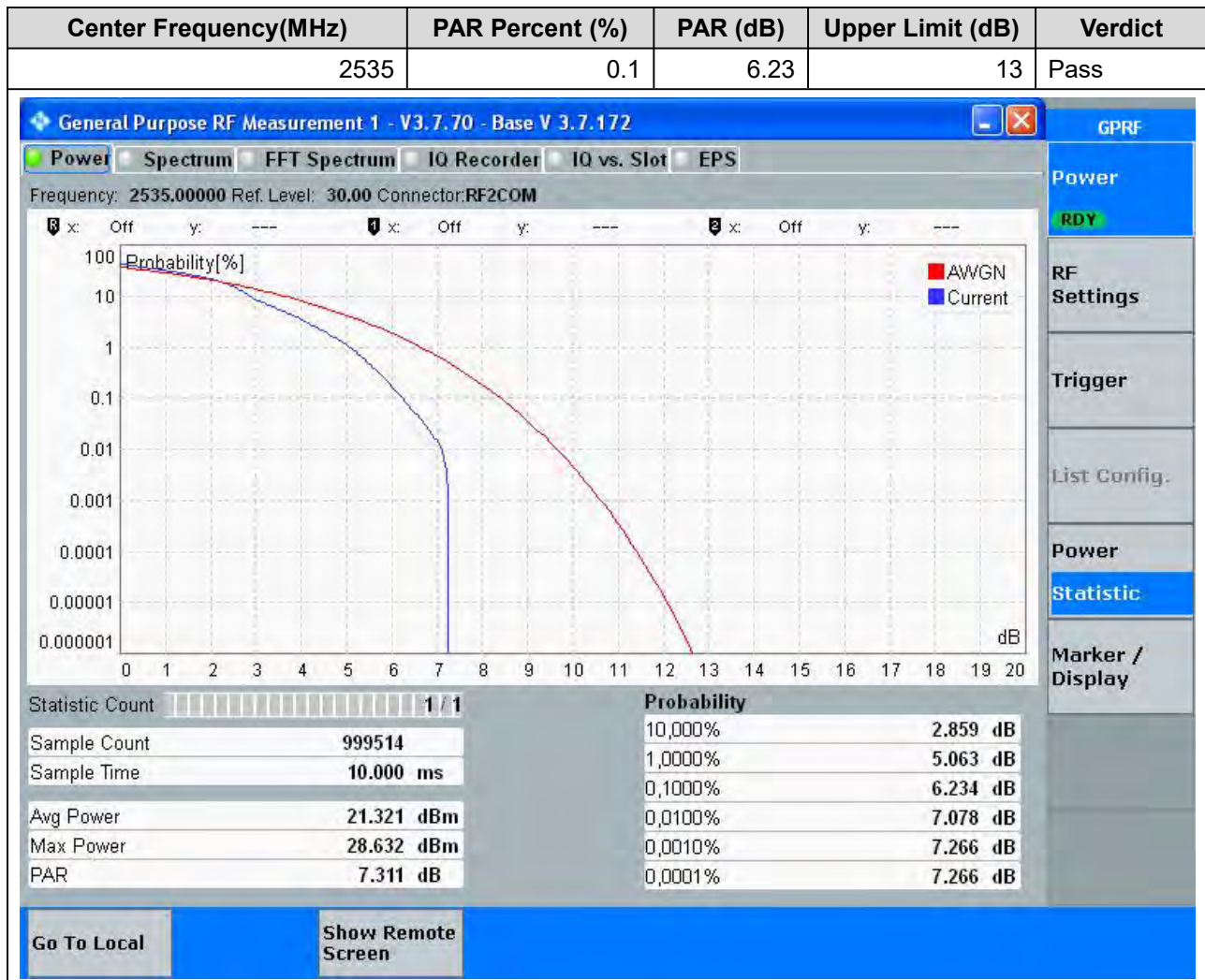
4.4. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:5, Channel:21100, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)



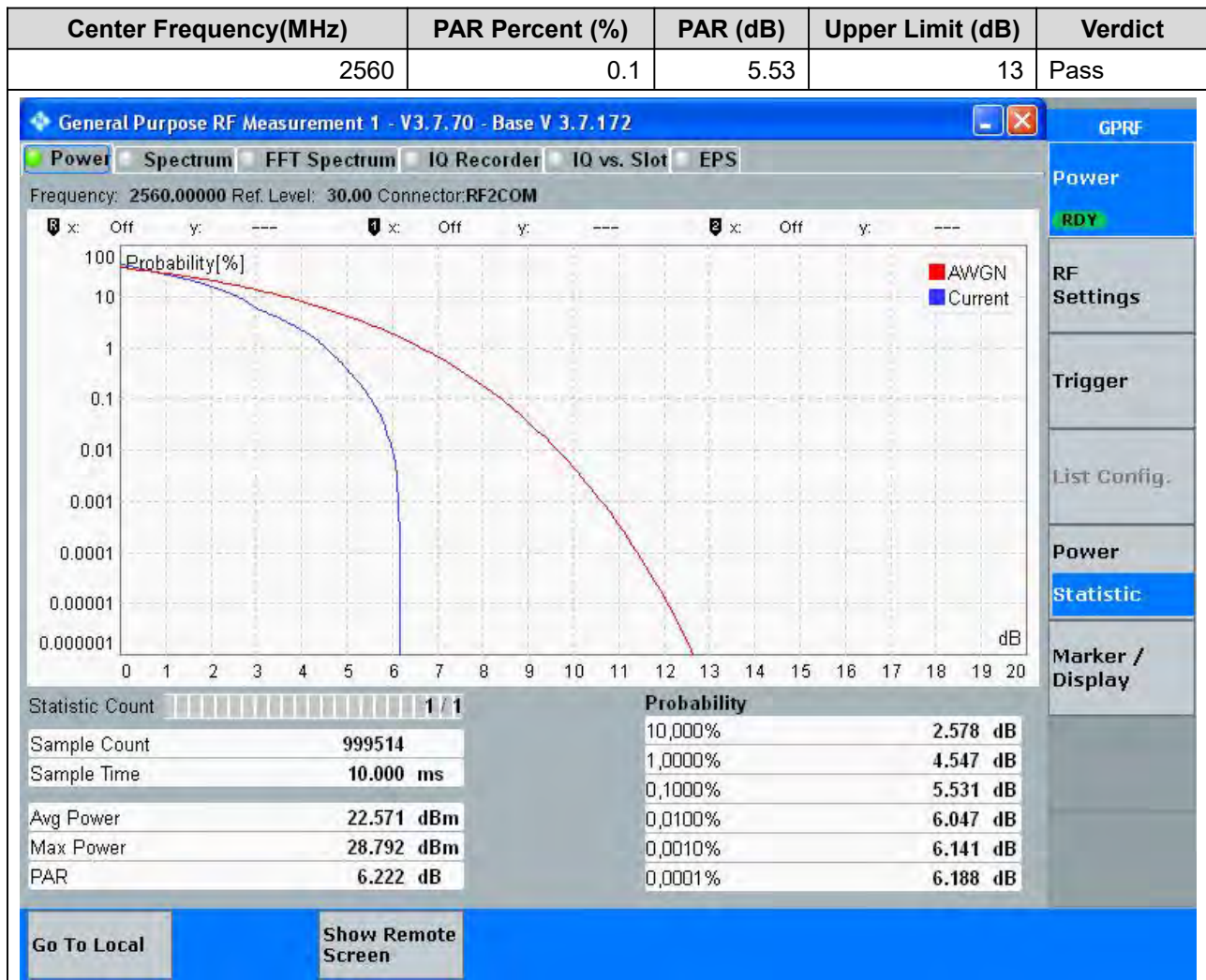
4.5. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:6, Channel:21100, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)



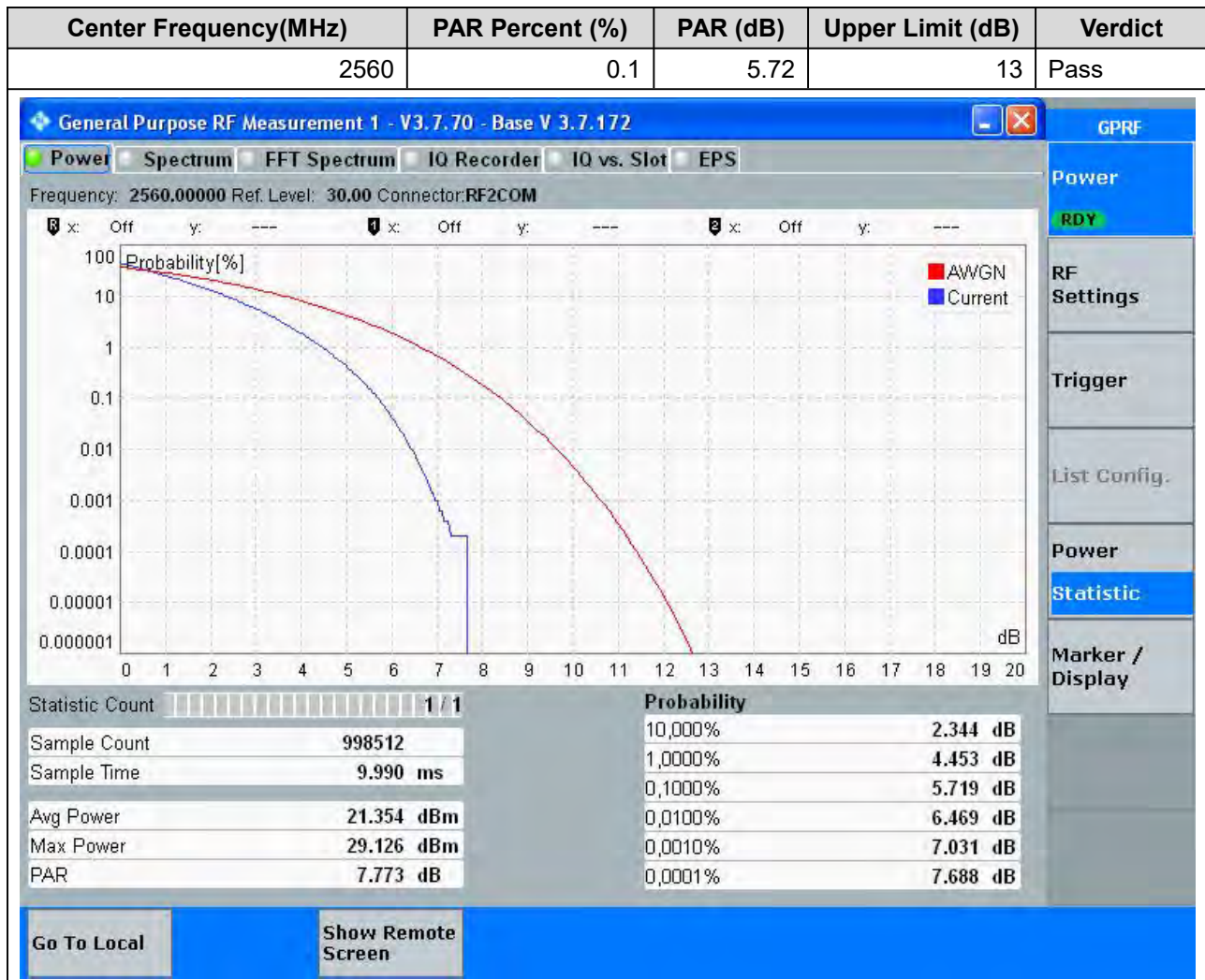
4.6. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:7, Channel:21100, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)



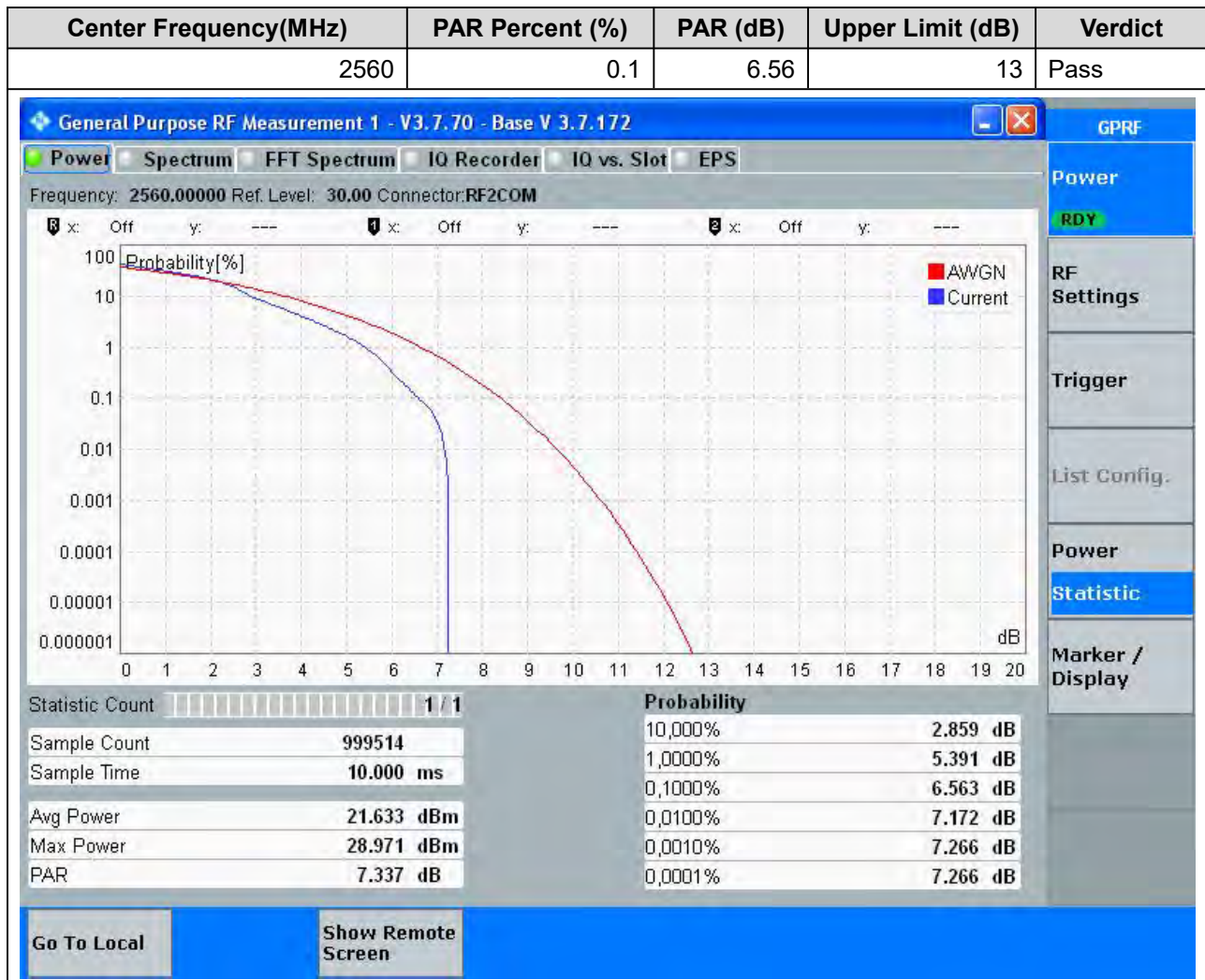
4.7. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:9, Channel:21350, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)



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

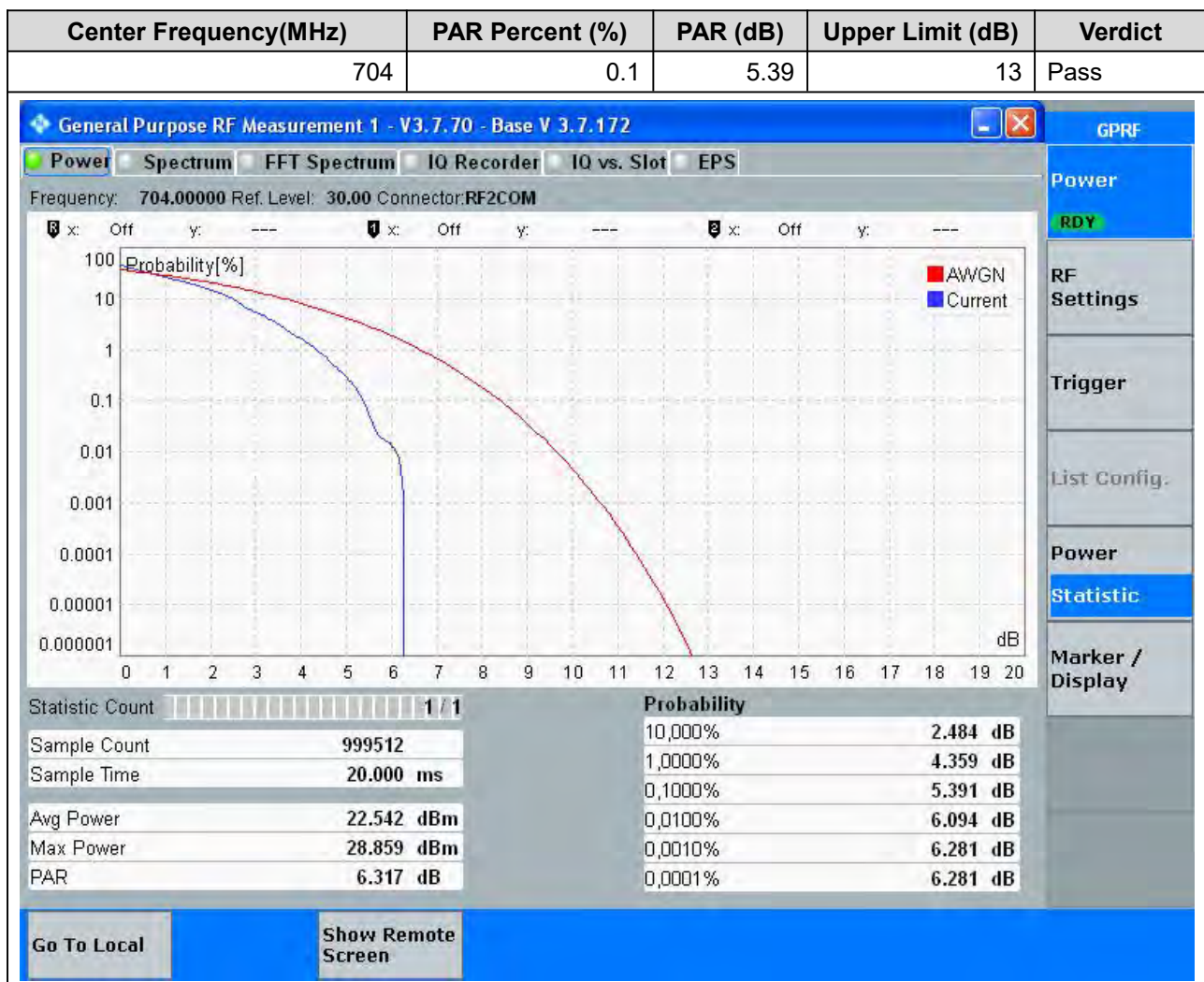


4.9. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:11, Channel:21350, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)

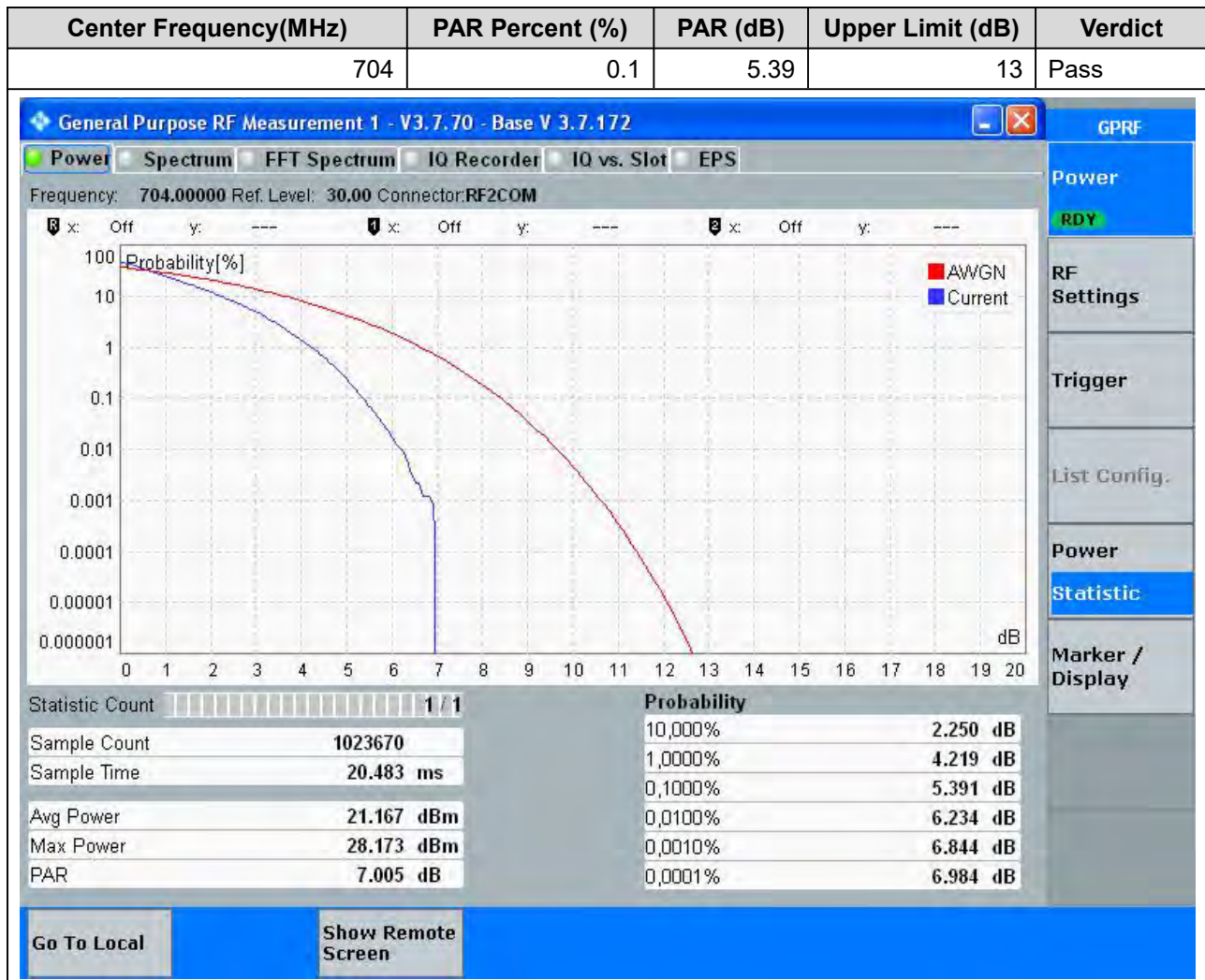


5. LTE_Band12

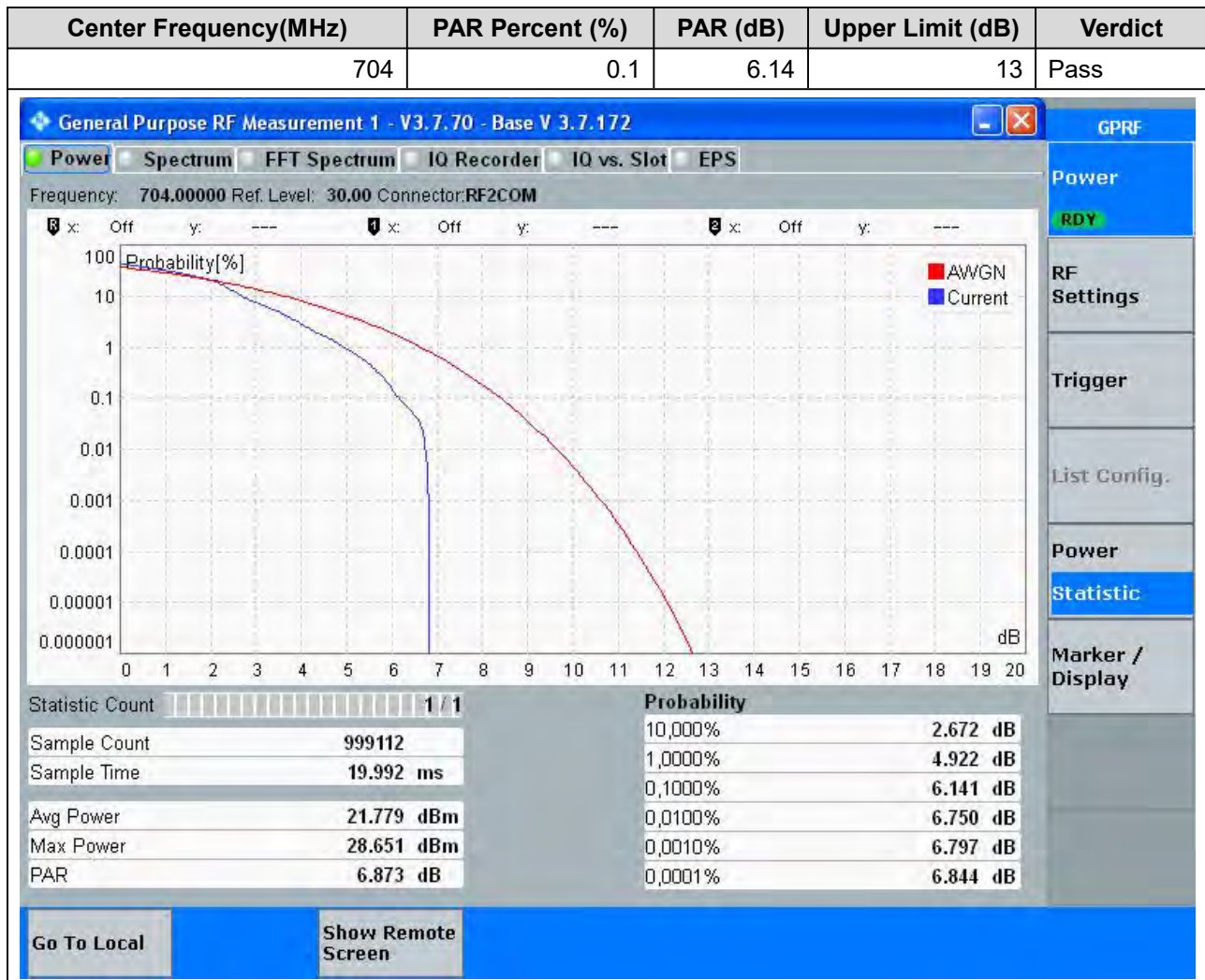
5.1. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:1, Channel:23060, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)



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

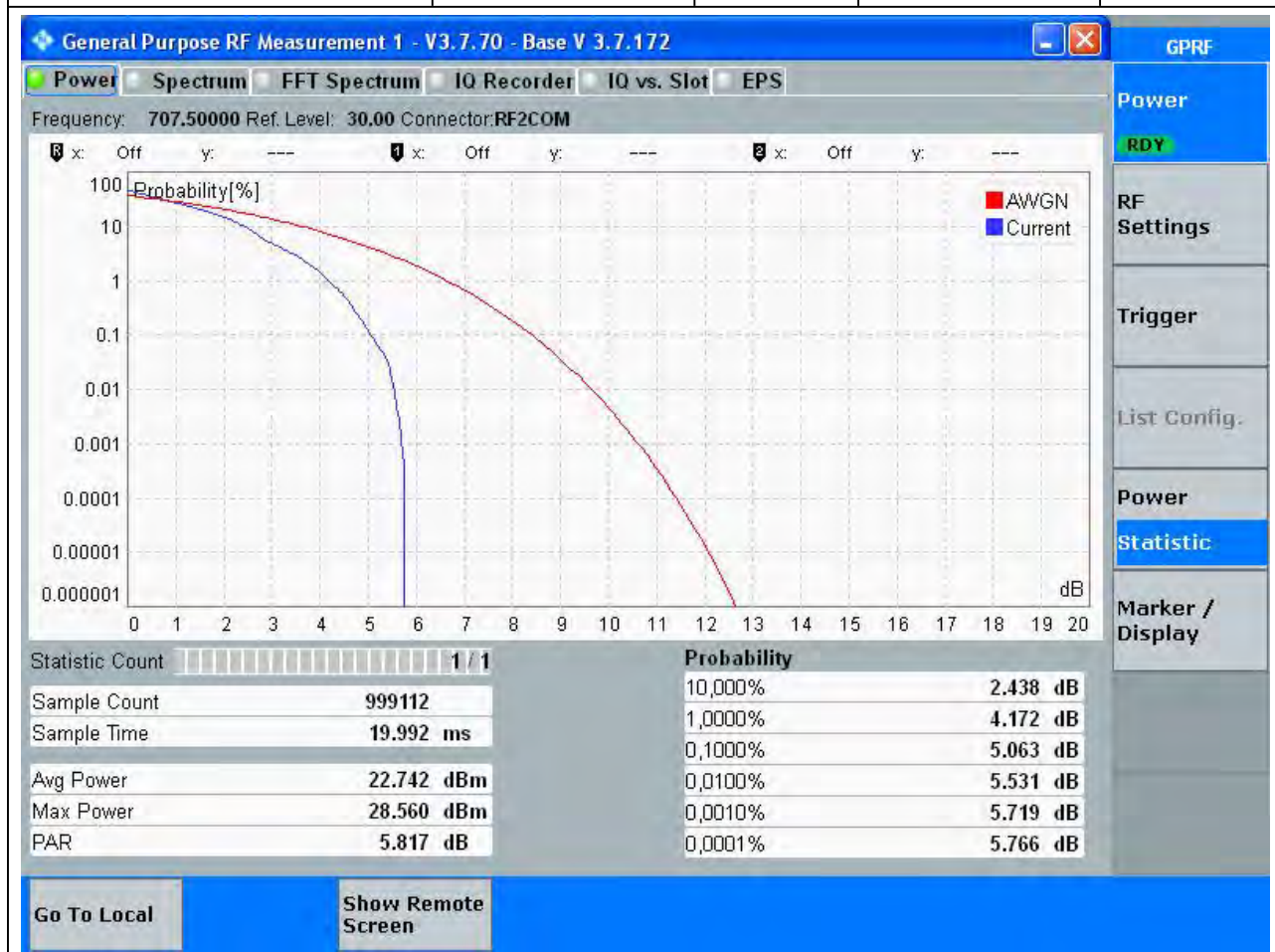


5.3. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:3, Channel:23060, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:LOW)

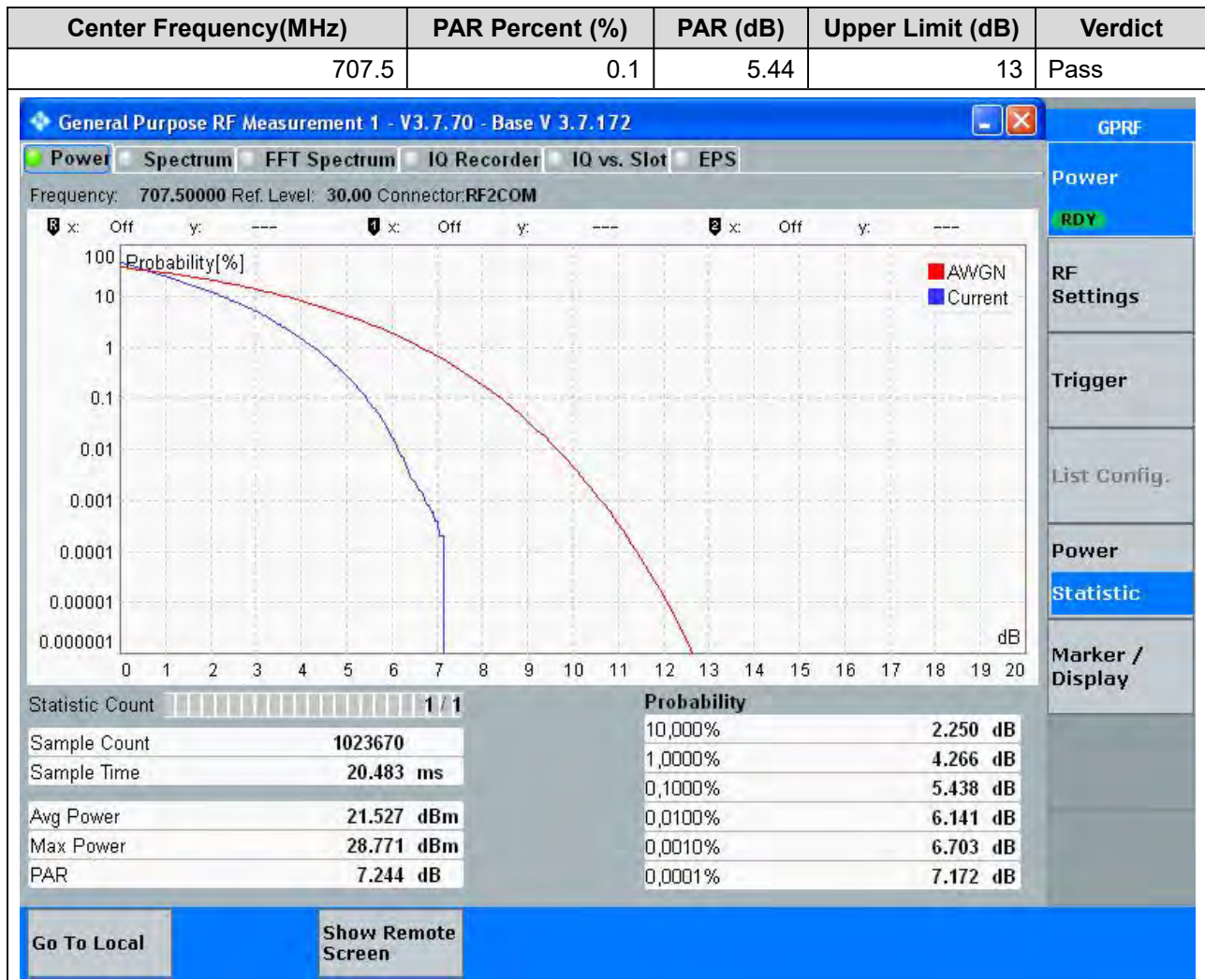


5.4. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:5, Channel:23095, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)

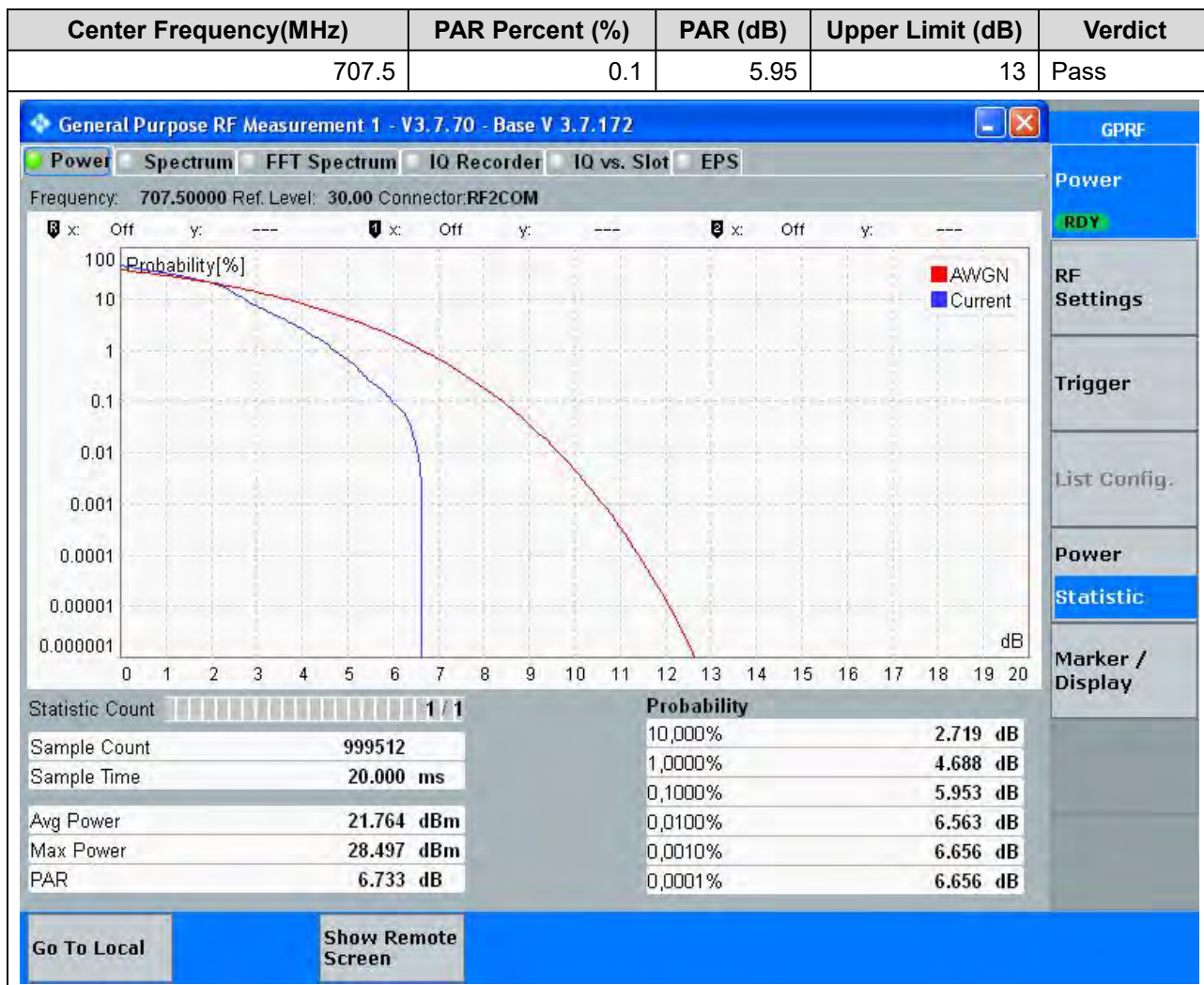
Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
707.5	0.1	5.06	13	Pass



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

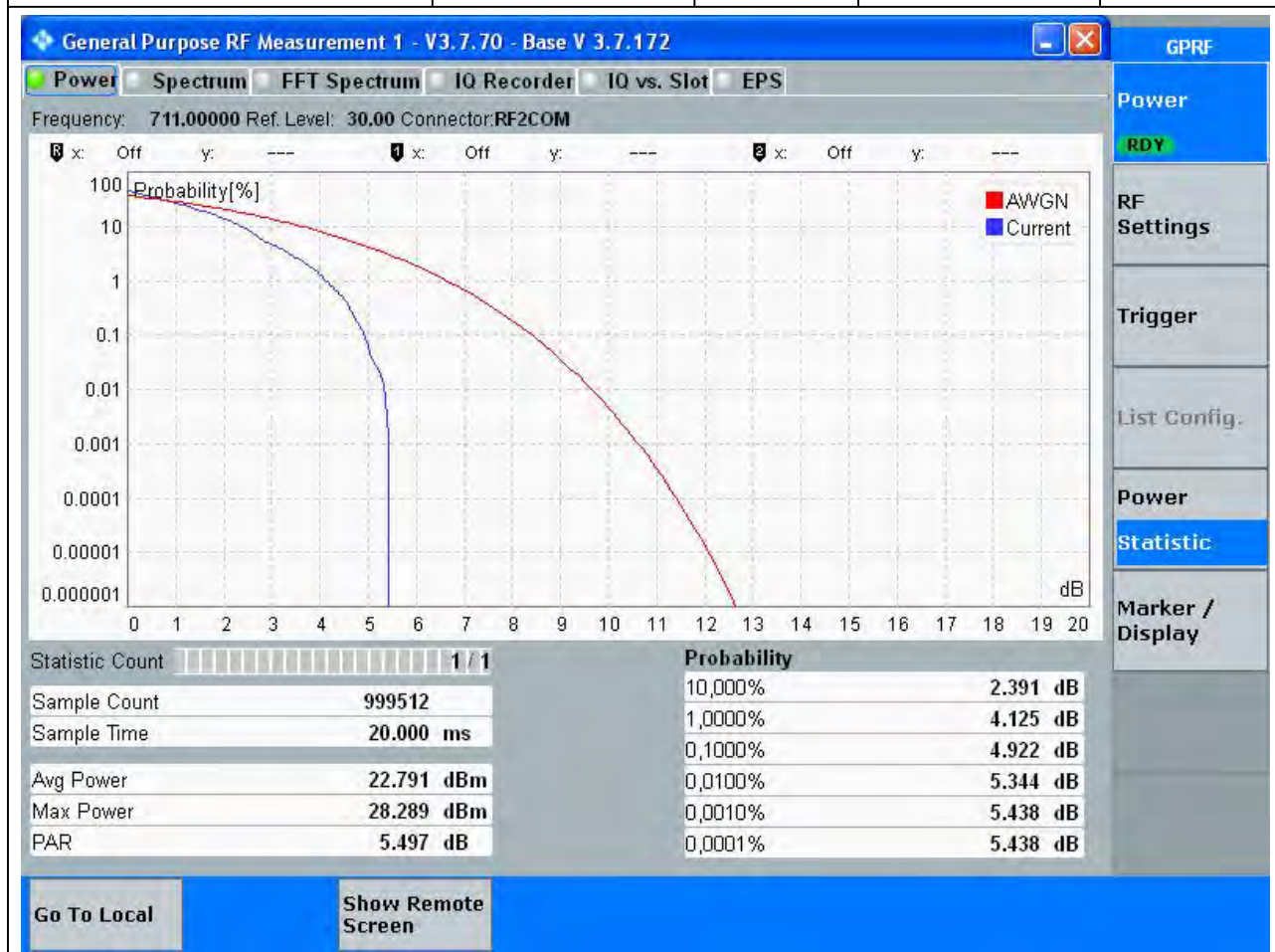


5.6. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:7, Channel:23095, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:LOW)

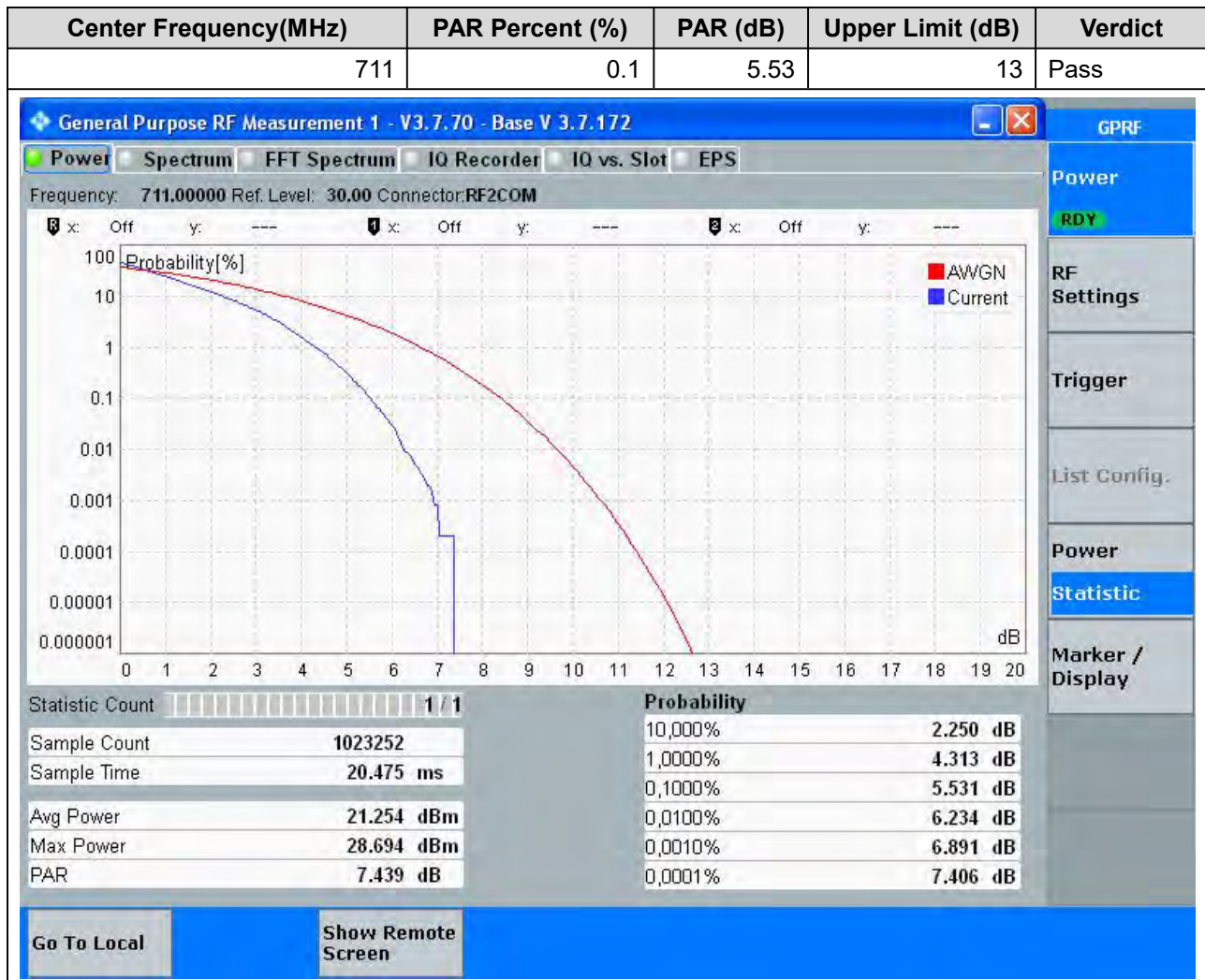


5.7. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:9, Channel:23130, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)

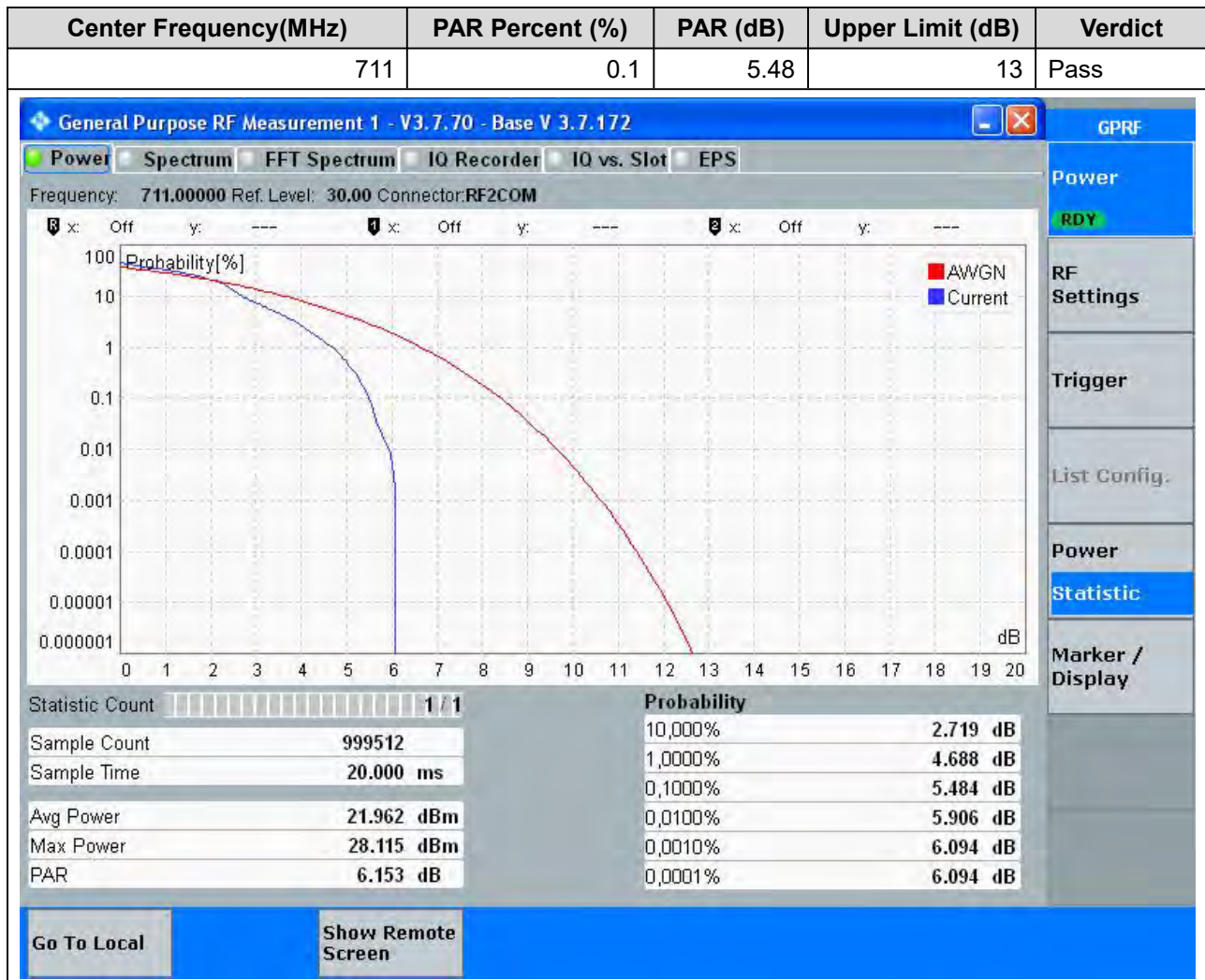
Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
711	0.1	4.92	13	Pass



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

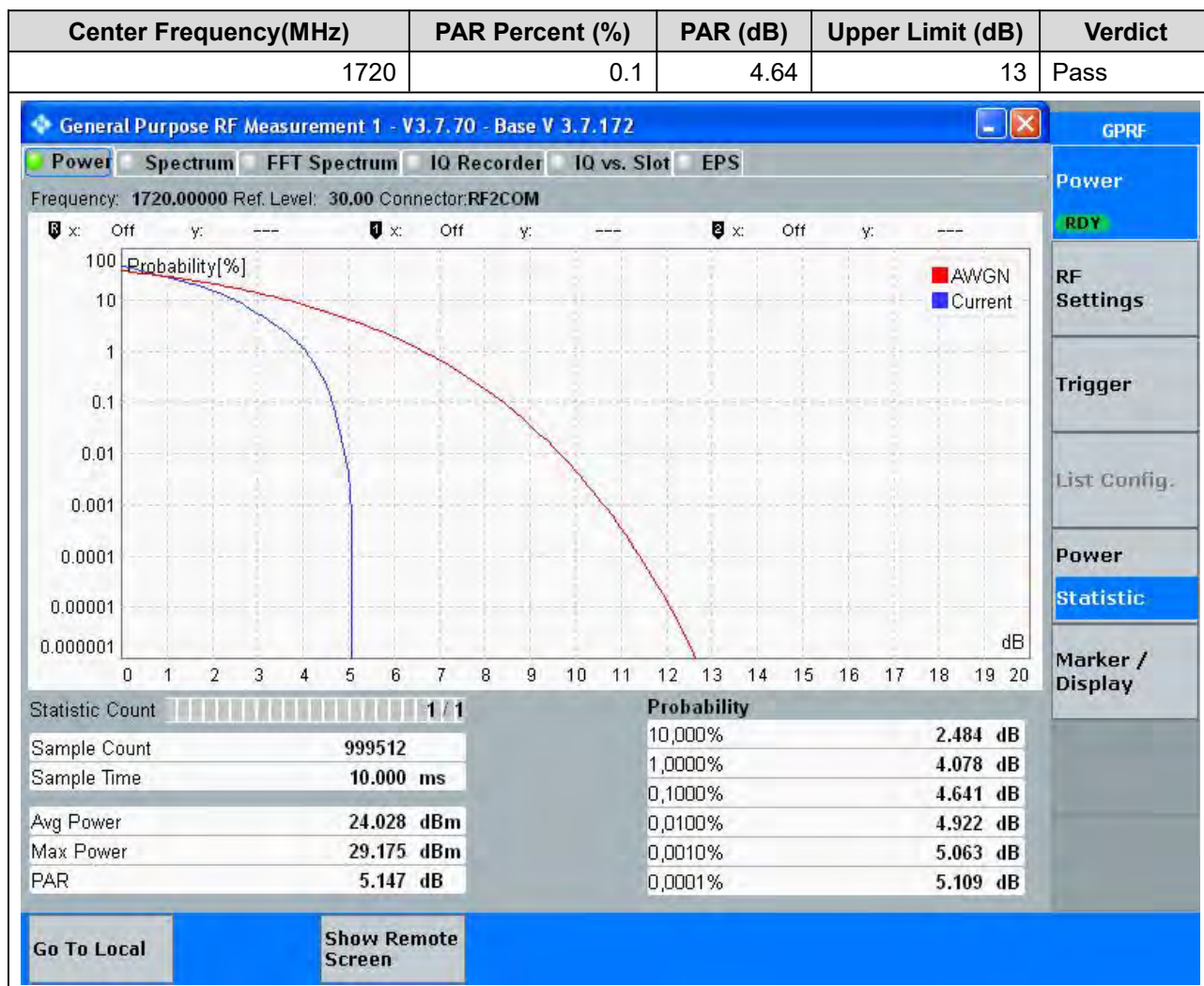


5.9. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:11, Channel:23130, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:LOW)

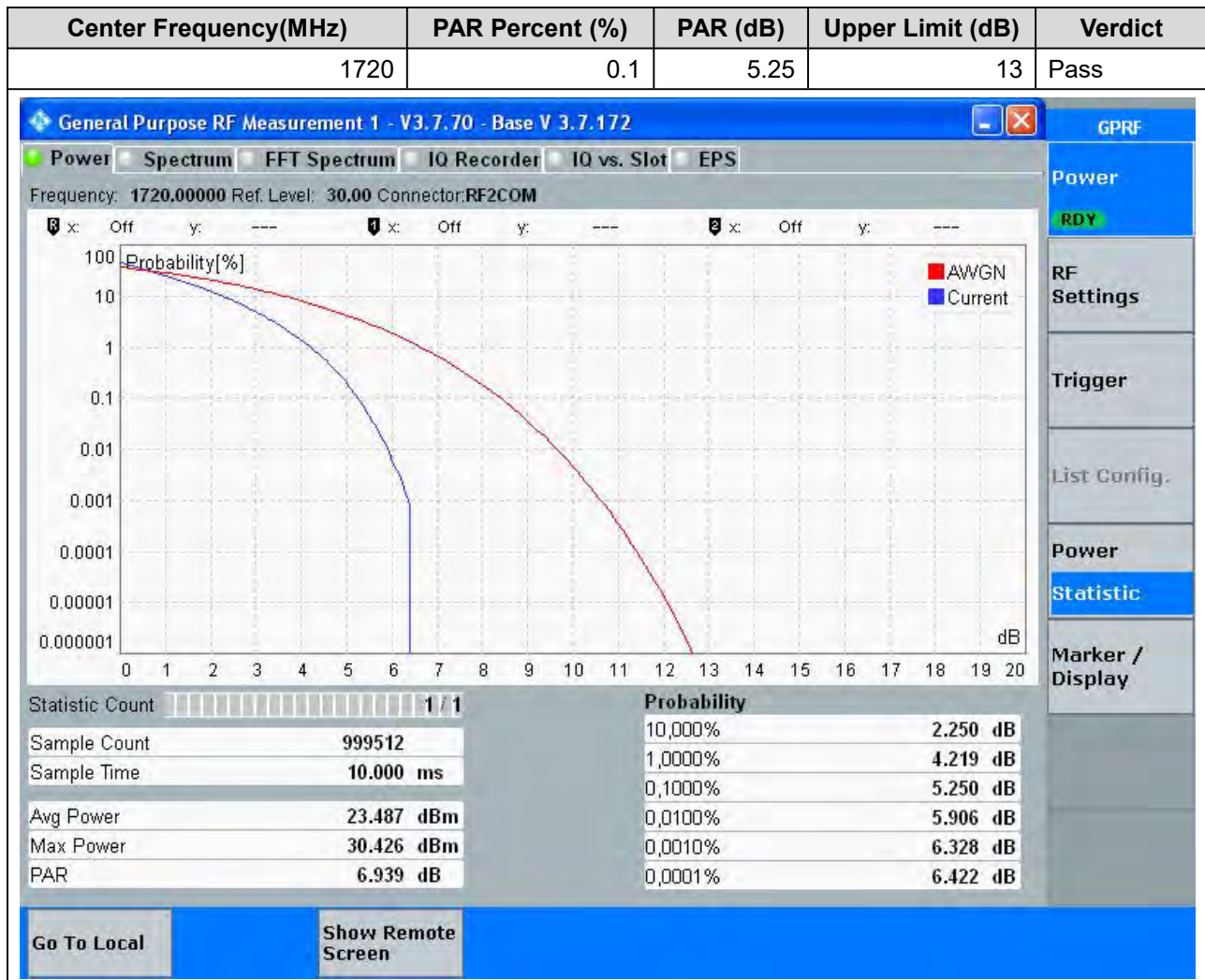


6. LTE_Band66

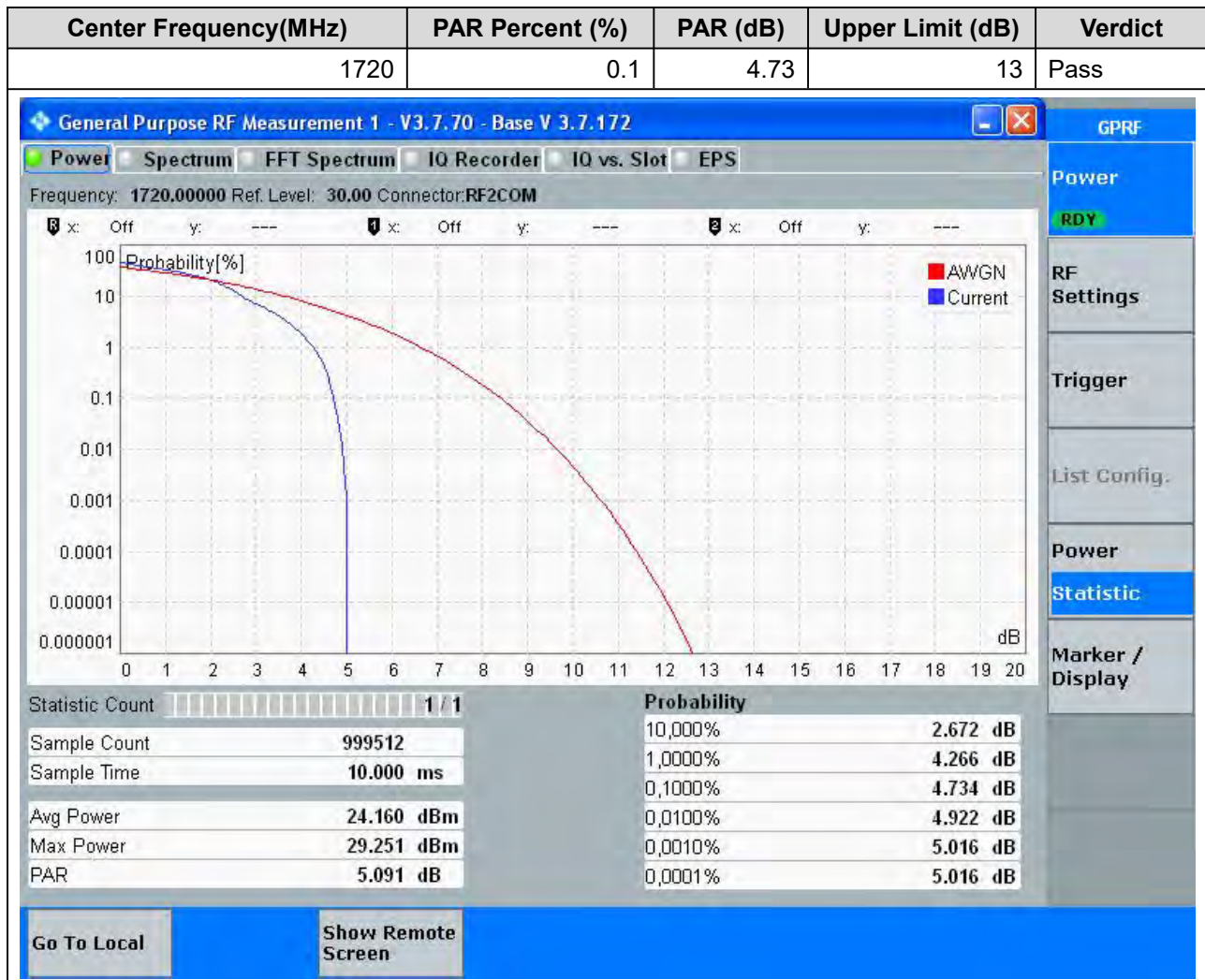
6.1. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:1, Channel:132072, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)



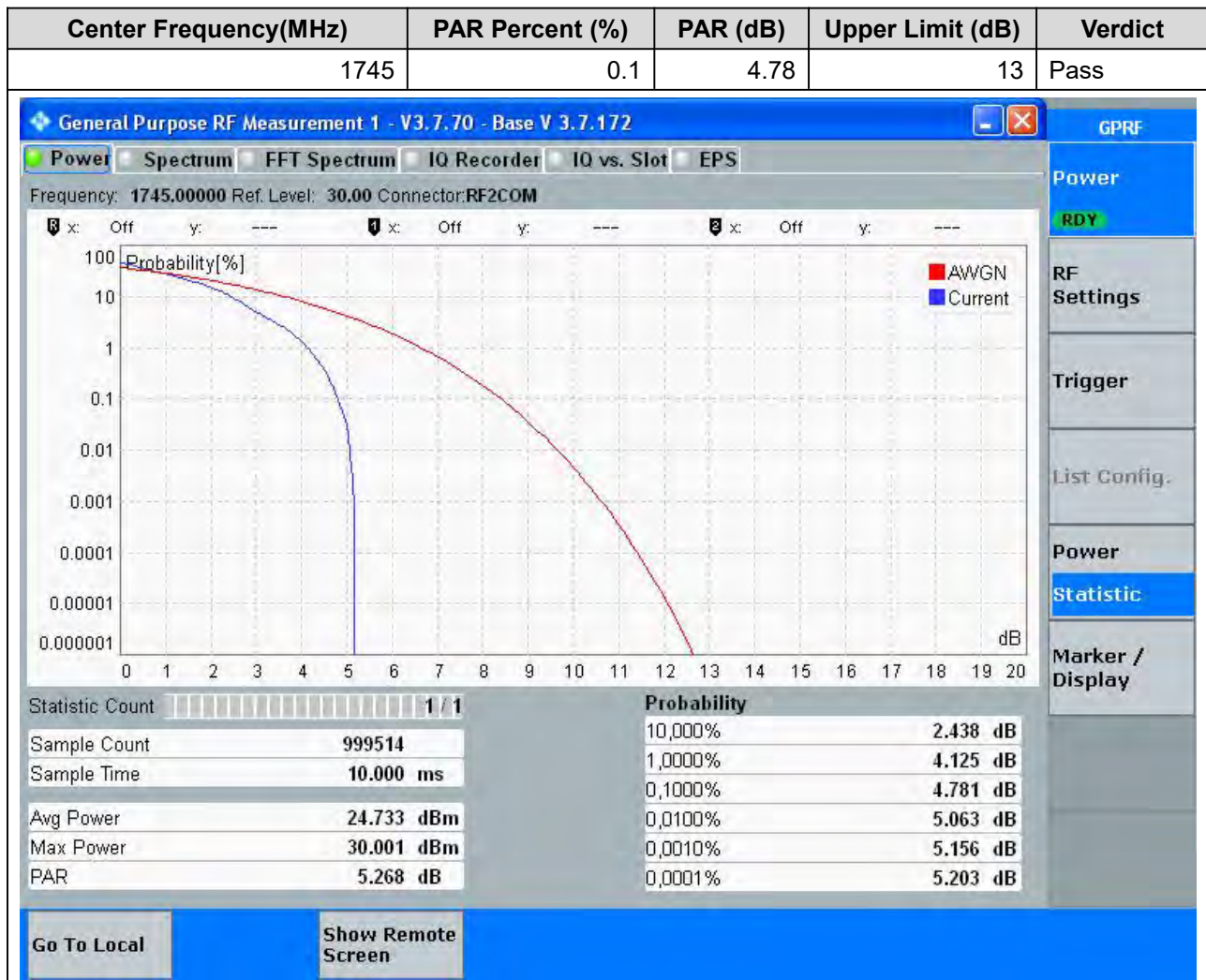
6.2. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:2, Channel:132072, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)



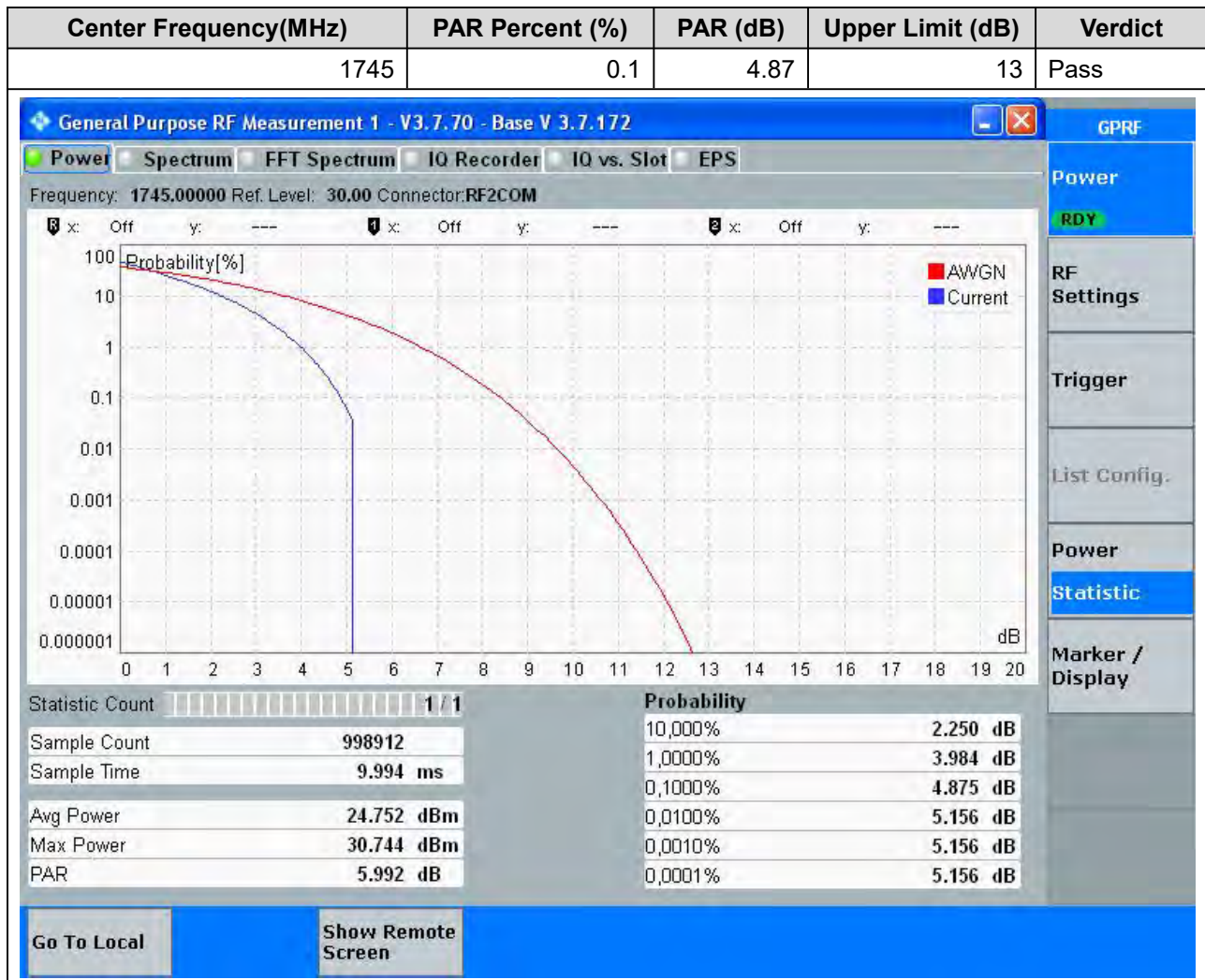
6.3. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:3, Channel:132072, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)



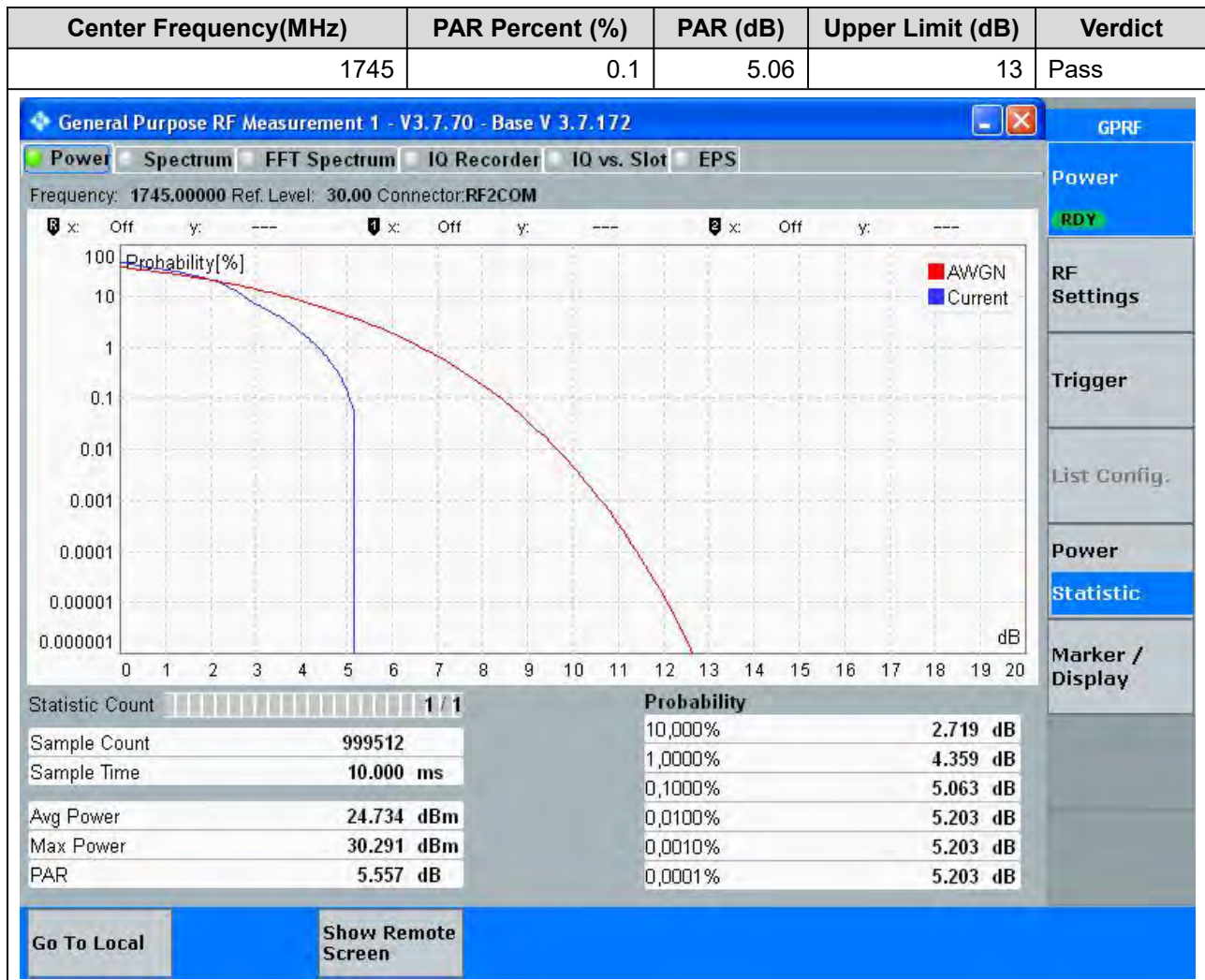
6.4. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:5, Channel:132322, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)



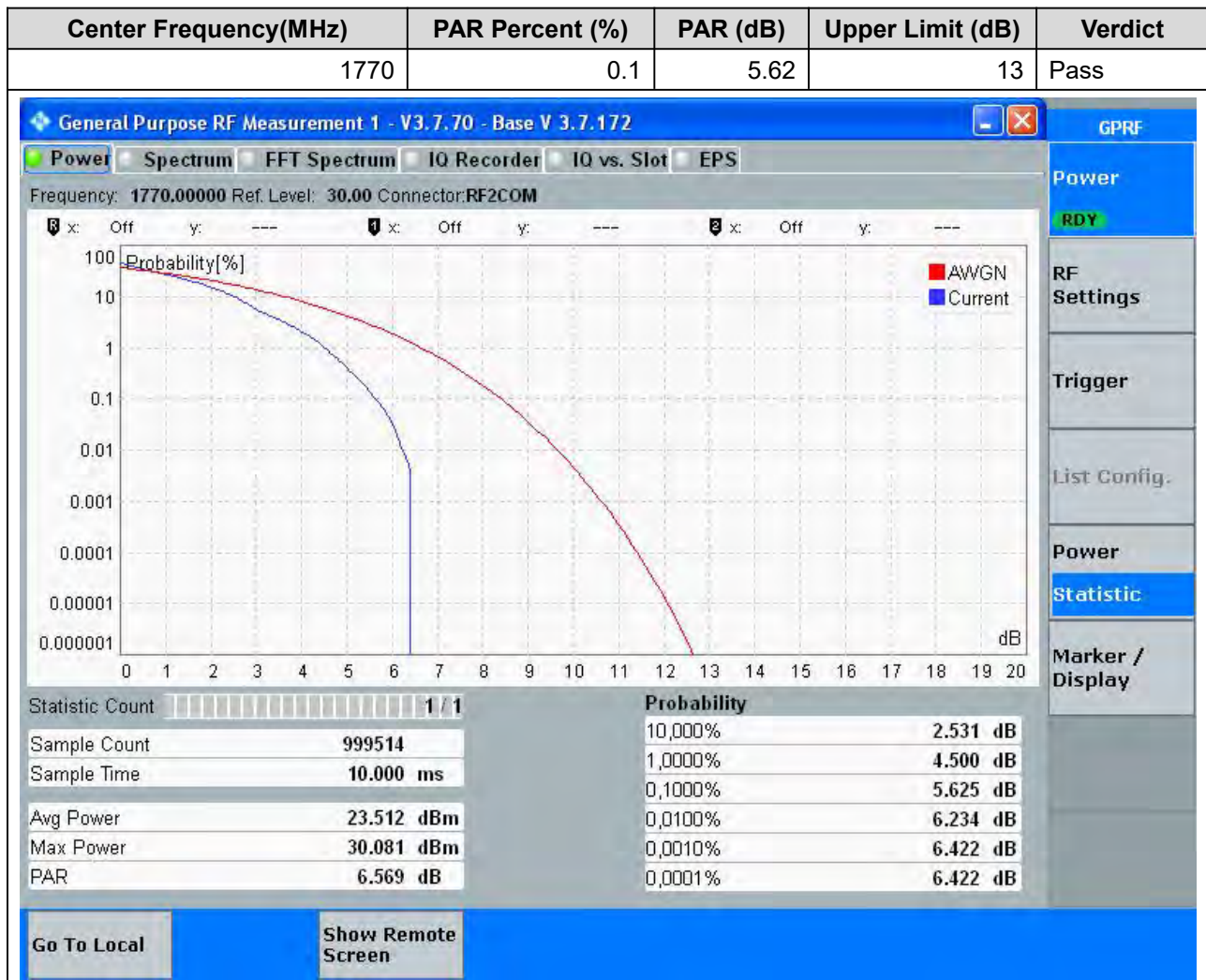
6.5. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:6, Channel:132322, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)



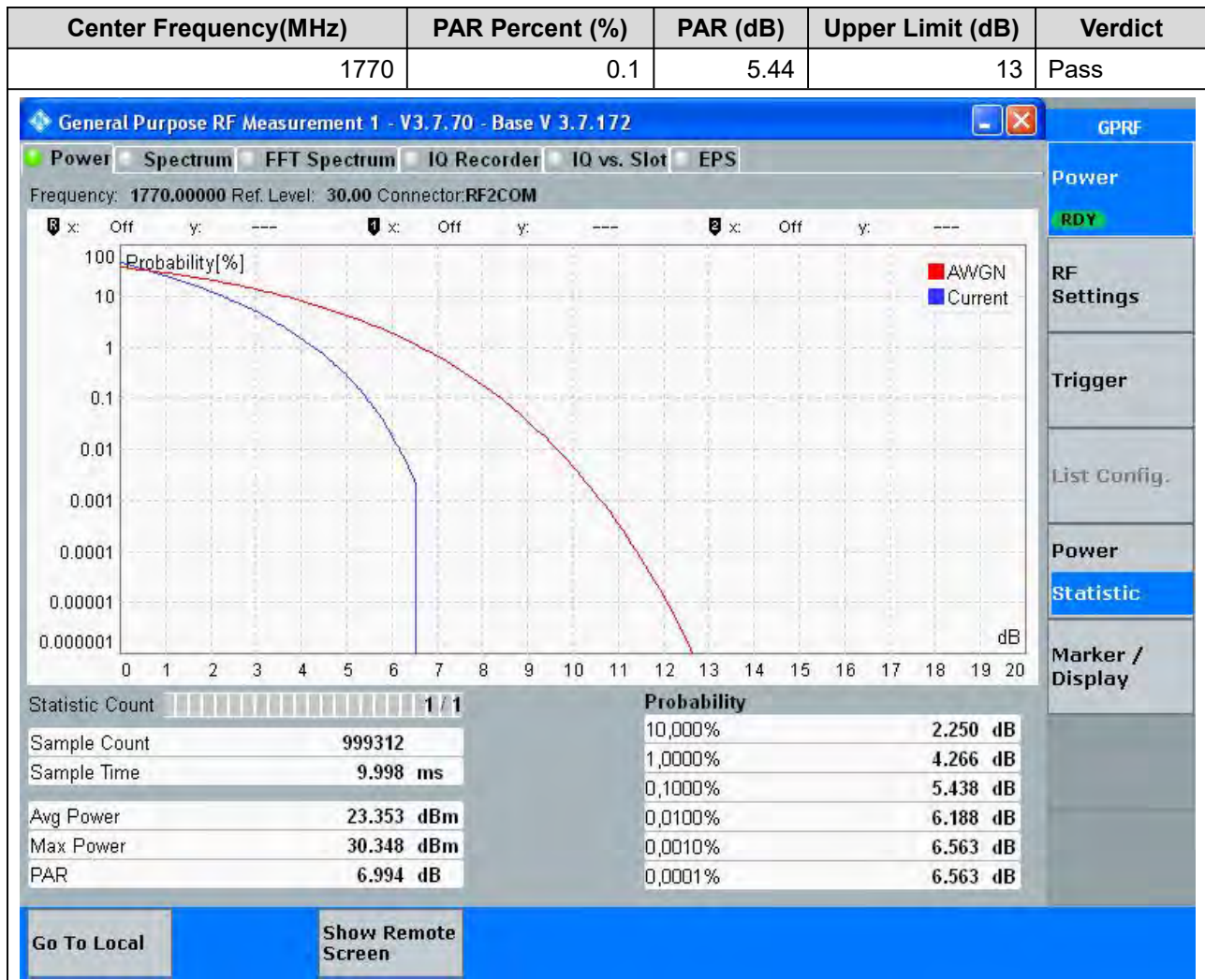
6.6. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:7, Channel:132322, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)



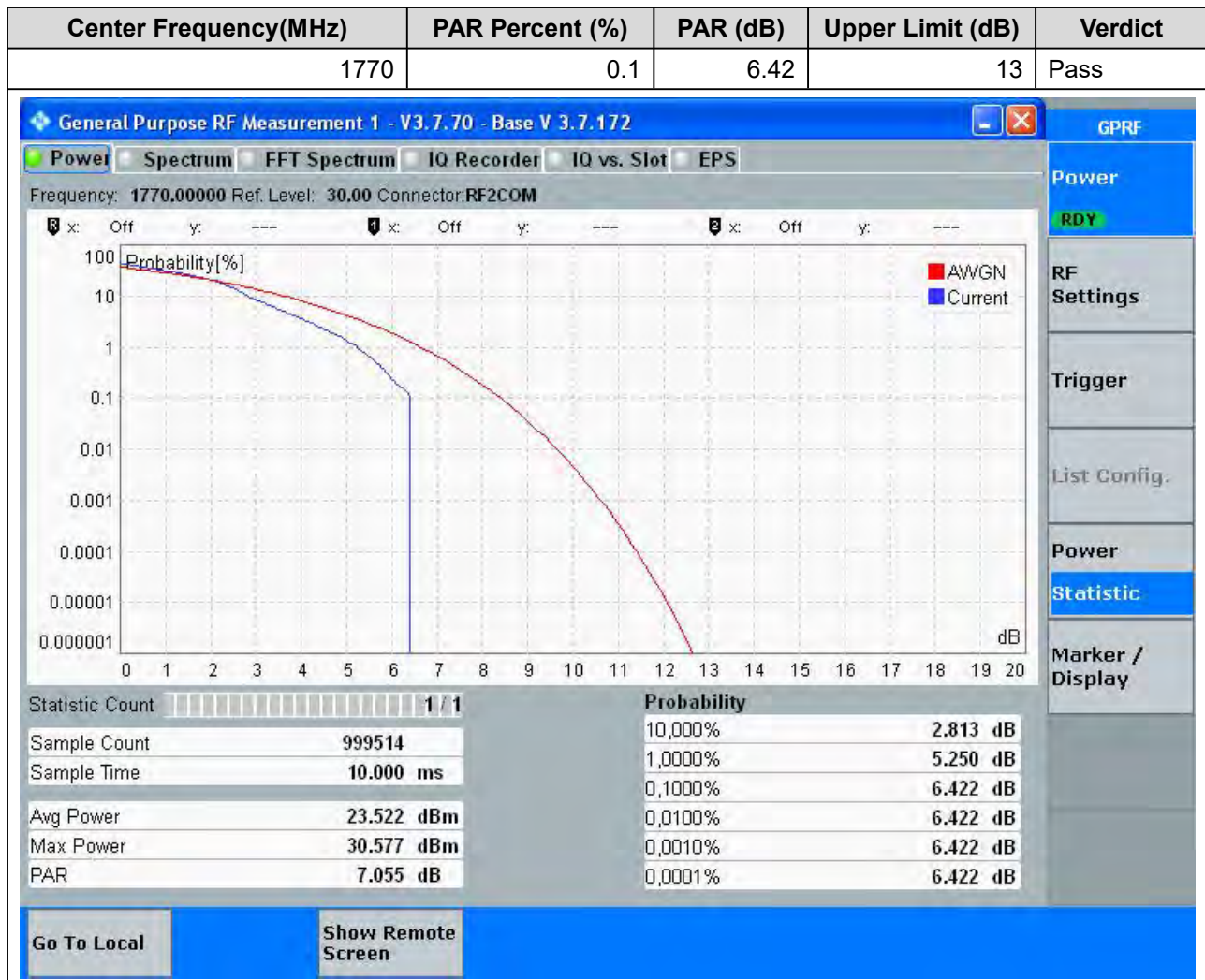
6.7. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:9, Channel:132572, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)



6.8. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:10, Channel:132572, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)

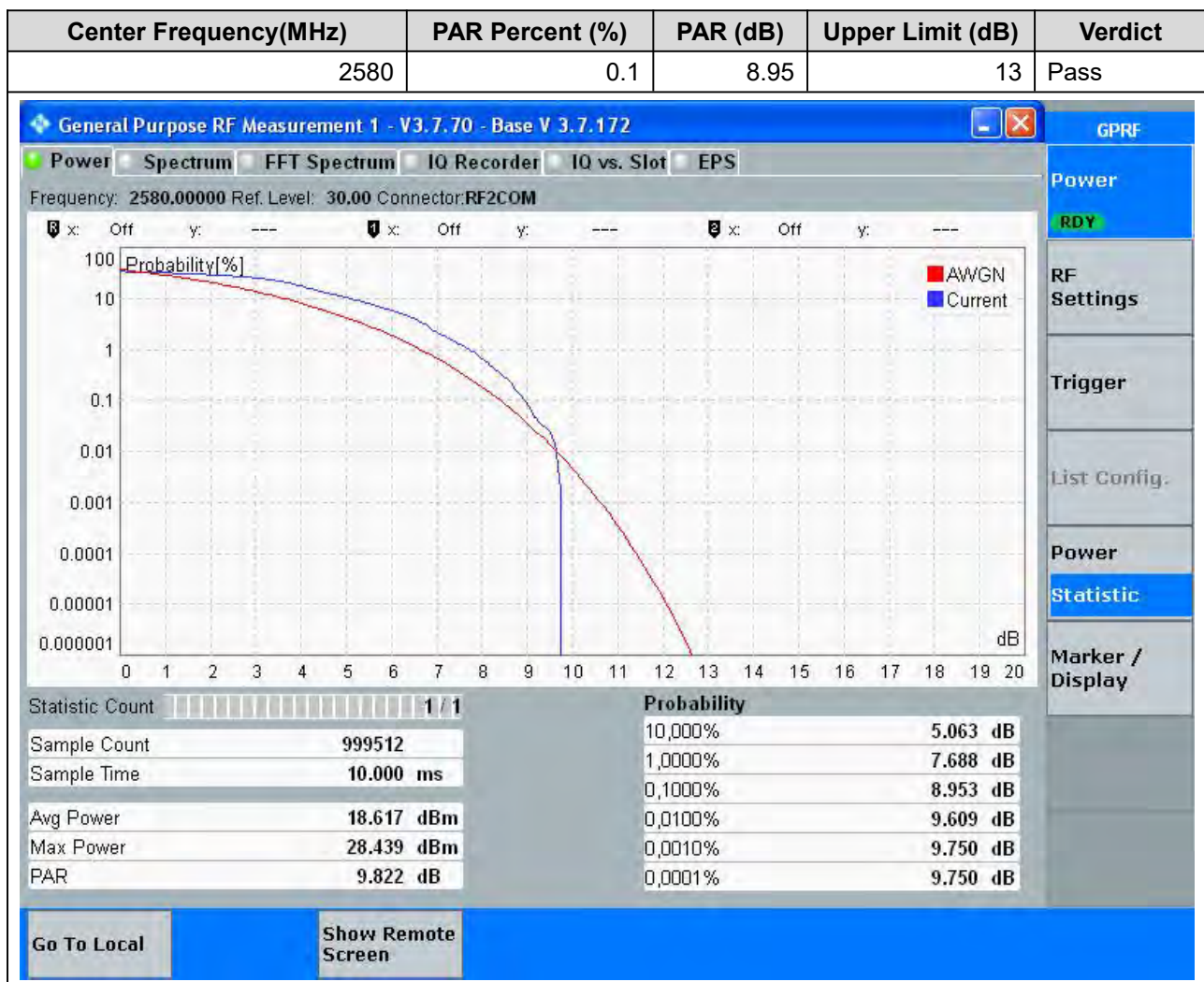


6.9. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:11, Channel:132572, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)

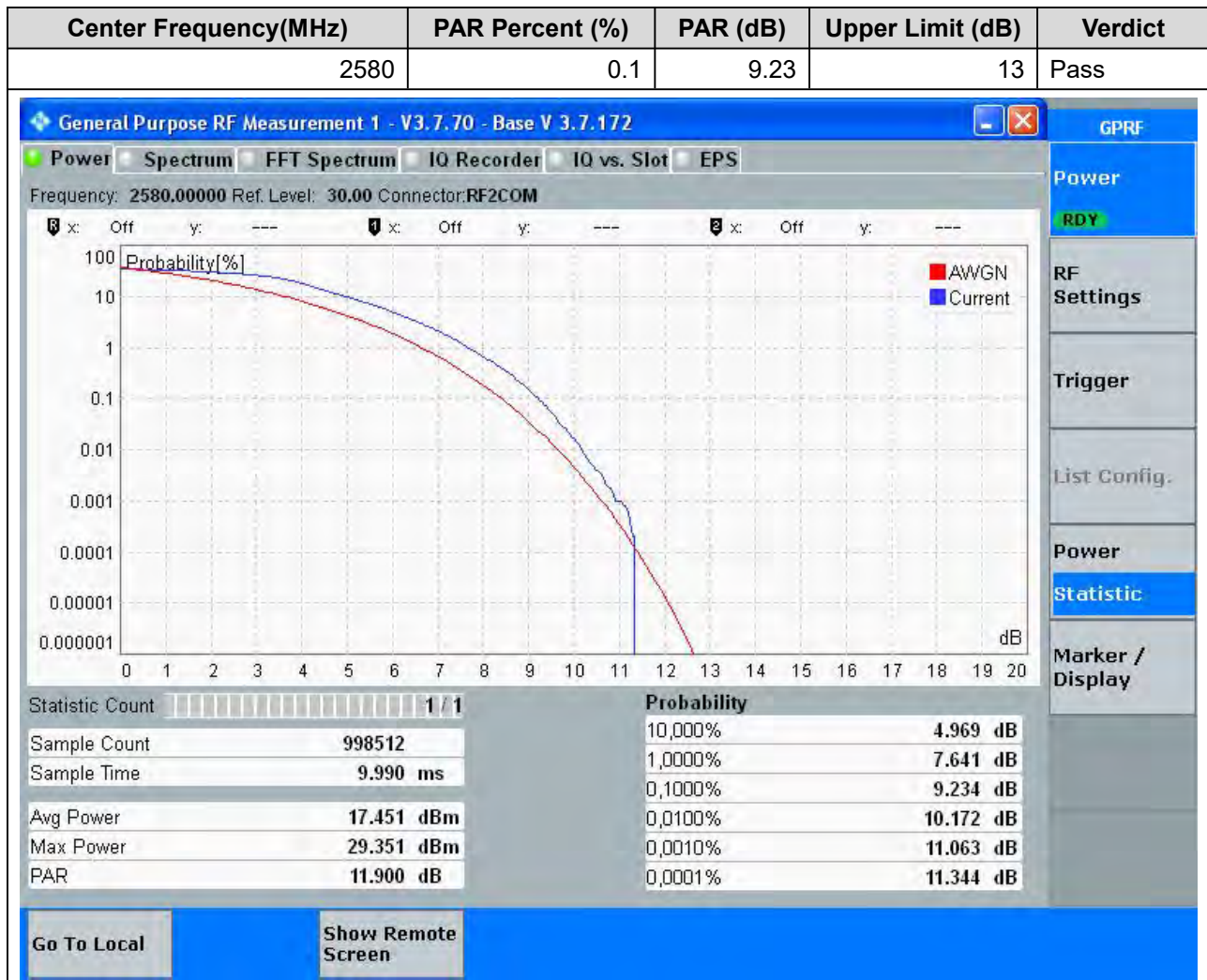


7. LTE_Band38

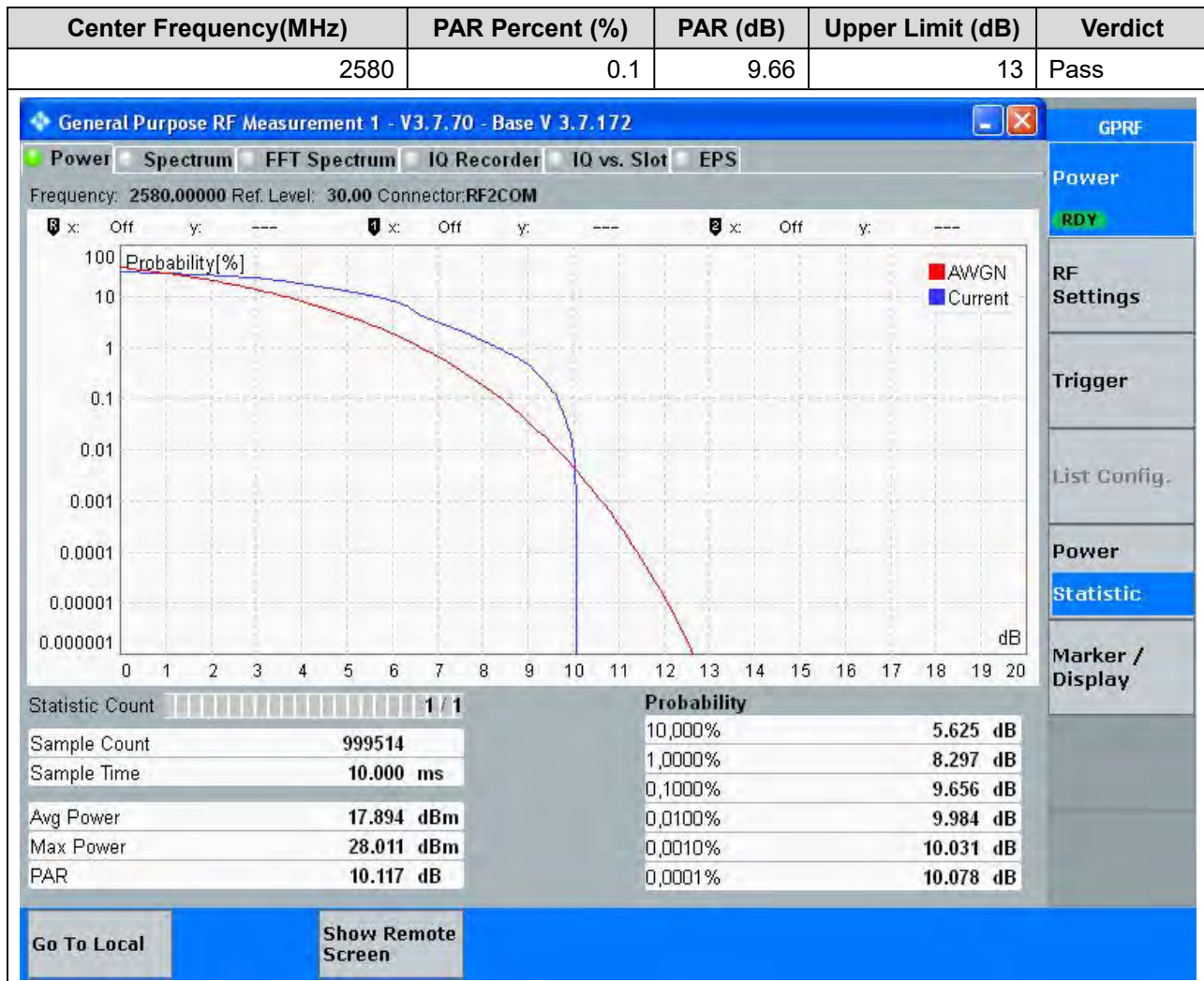
7.1. LTE Peak to Average Ratio(NTNV)(Subtest:1, Channel:37850, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)



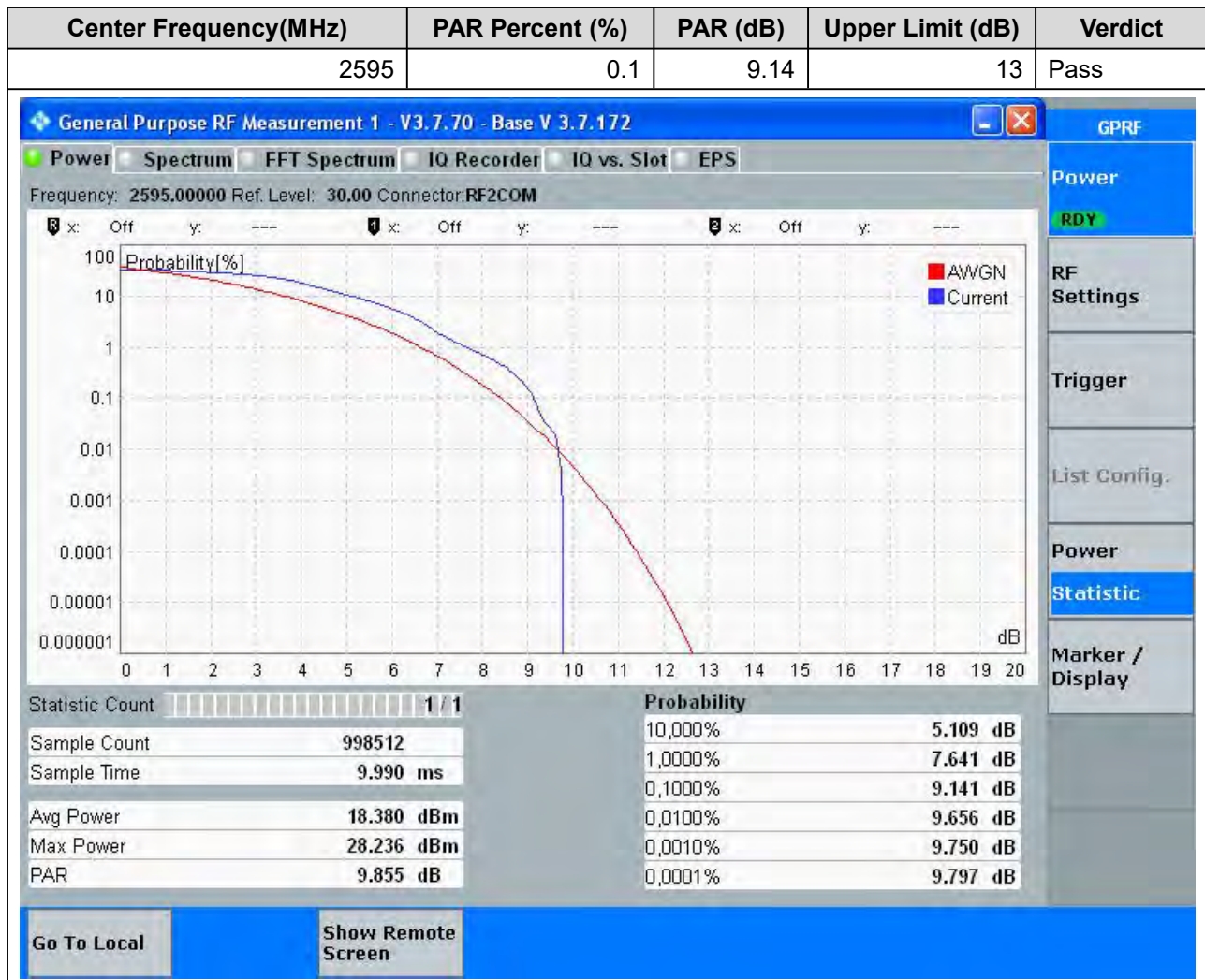
7.2. LTE Peak to Average Ratio(NTNV)(Subtest:2, Channel:37850, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)



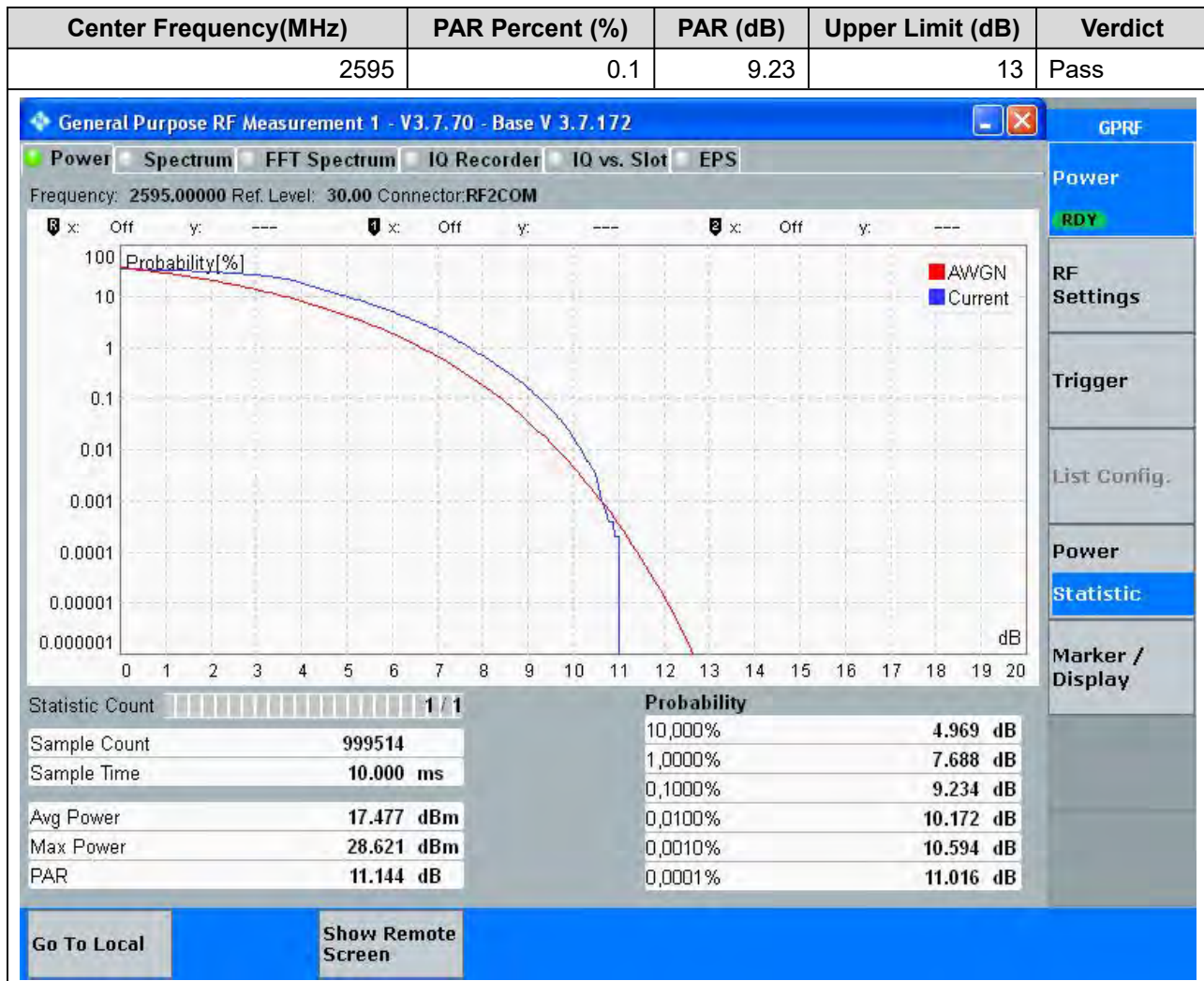
7.3. LTE Peak to Average Ratio(NTNV)(Subtest:3, Channel:37850, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)



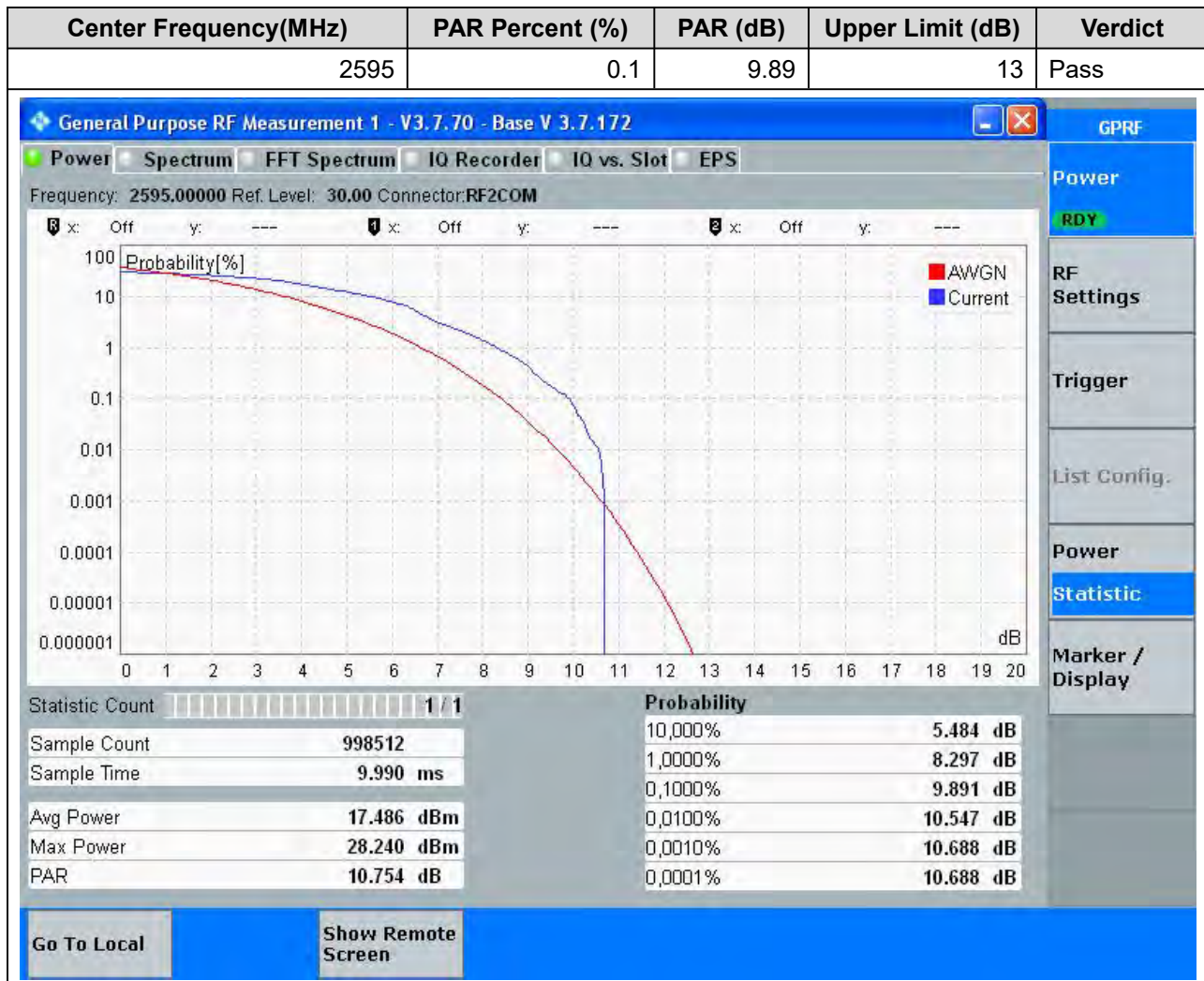
7.4. LTE Peak to Average Ratio(NTNV)(Subtest:4, Channel:38000, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)



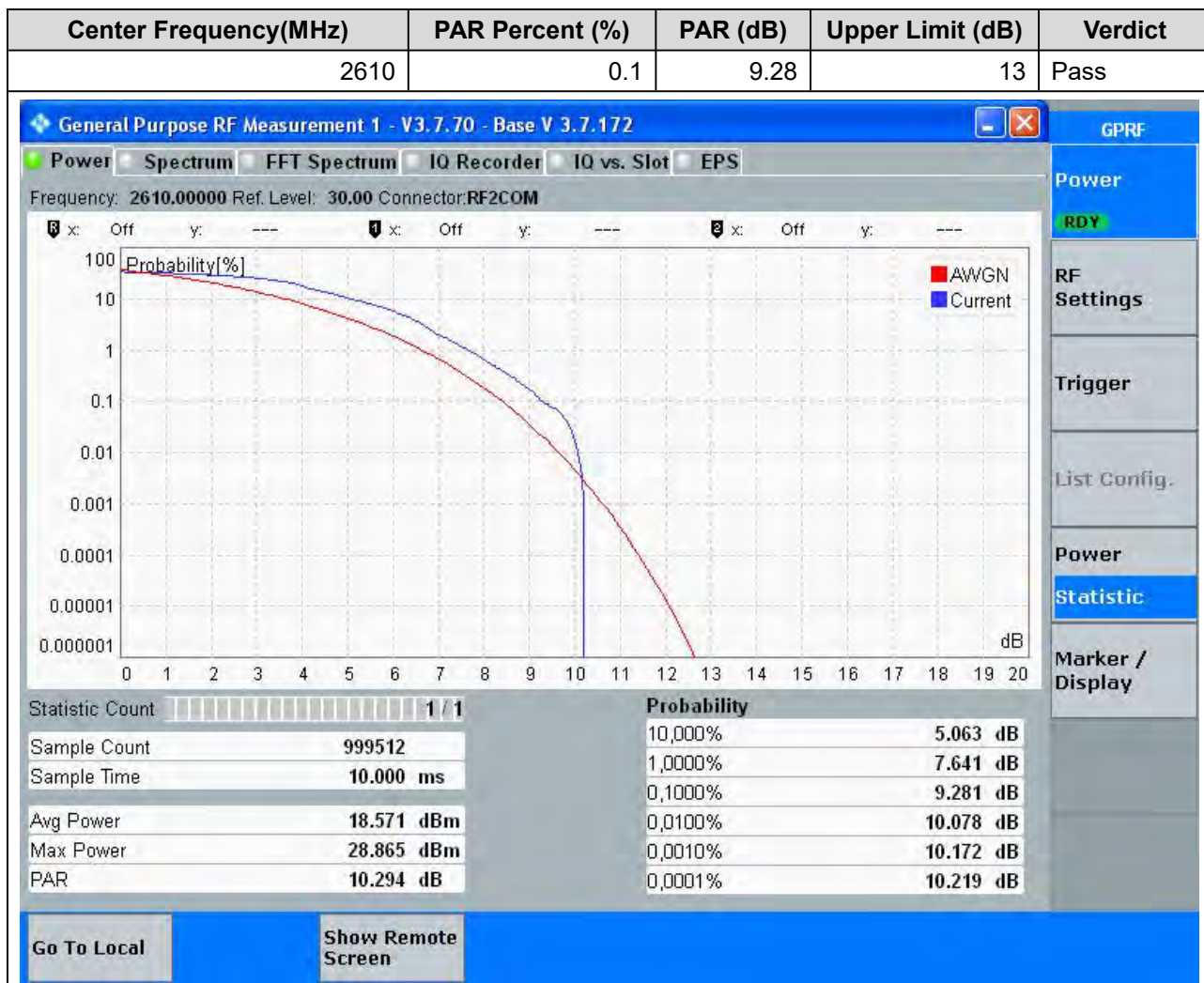
7.5. LTE Peak to Average Ratio(NTNV)(Subtest:5, Channel:38000, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)



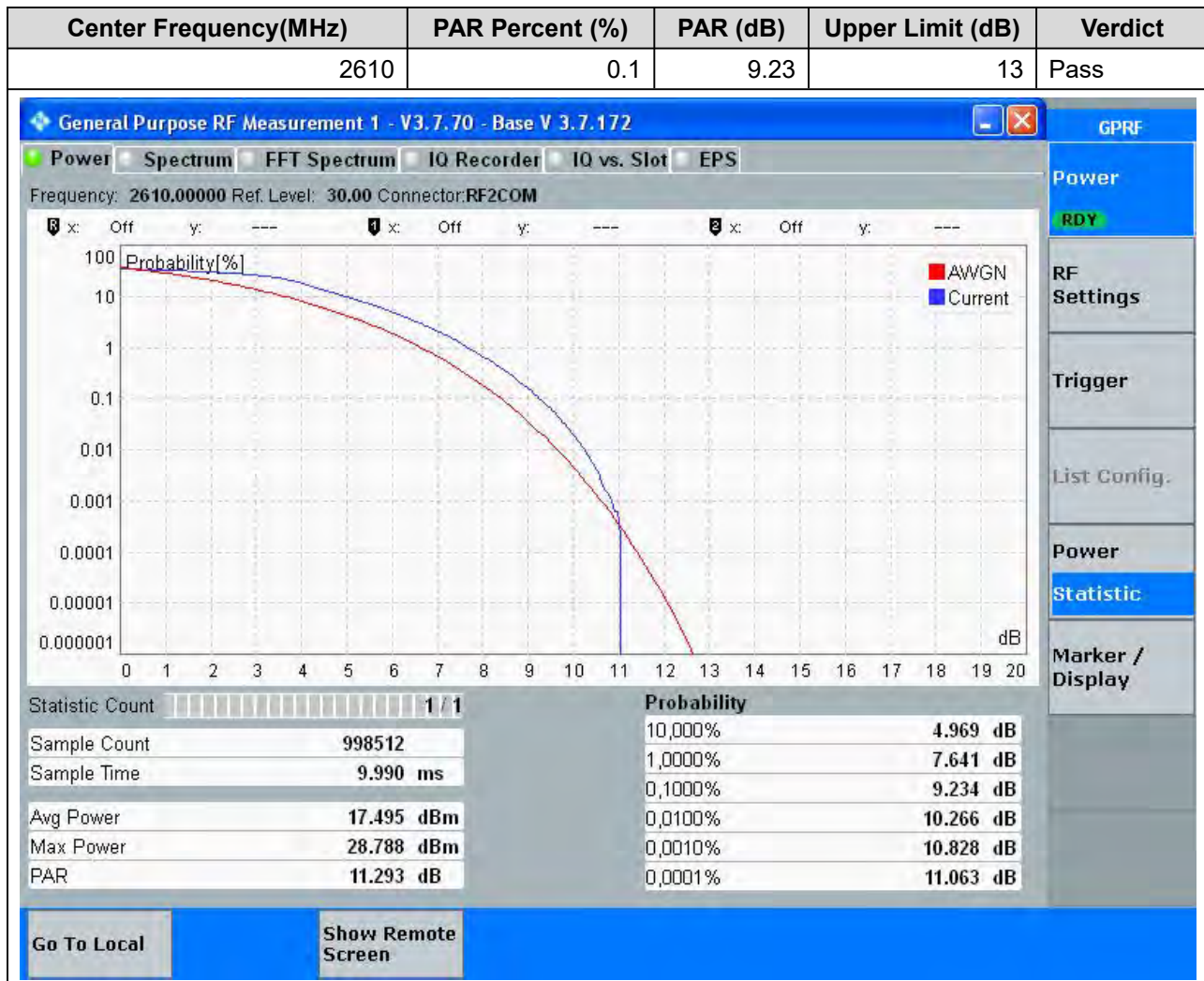
7.6. LTE Peak to Average Ratio(NTNV)(Subtest:6, Channel:38000, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)



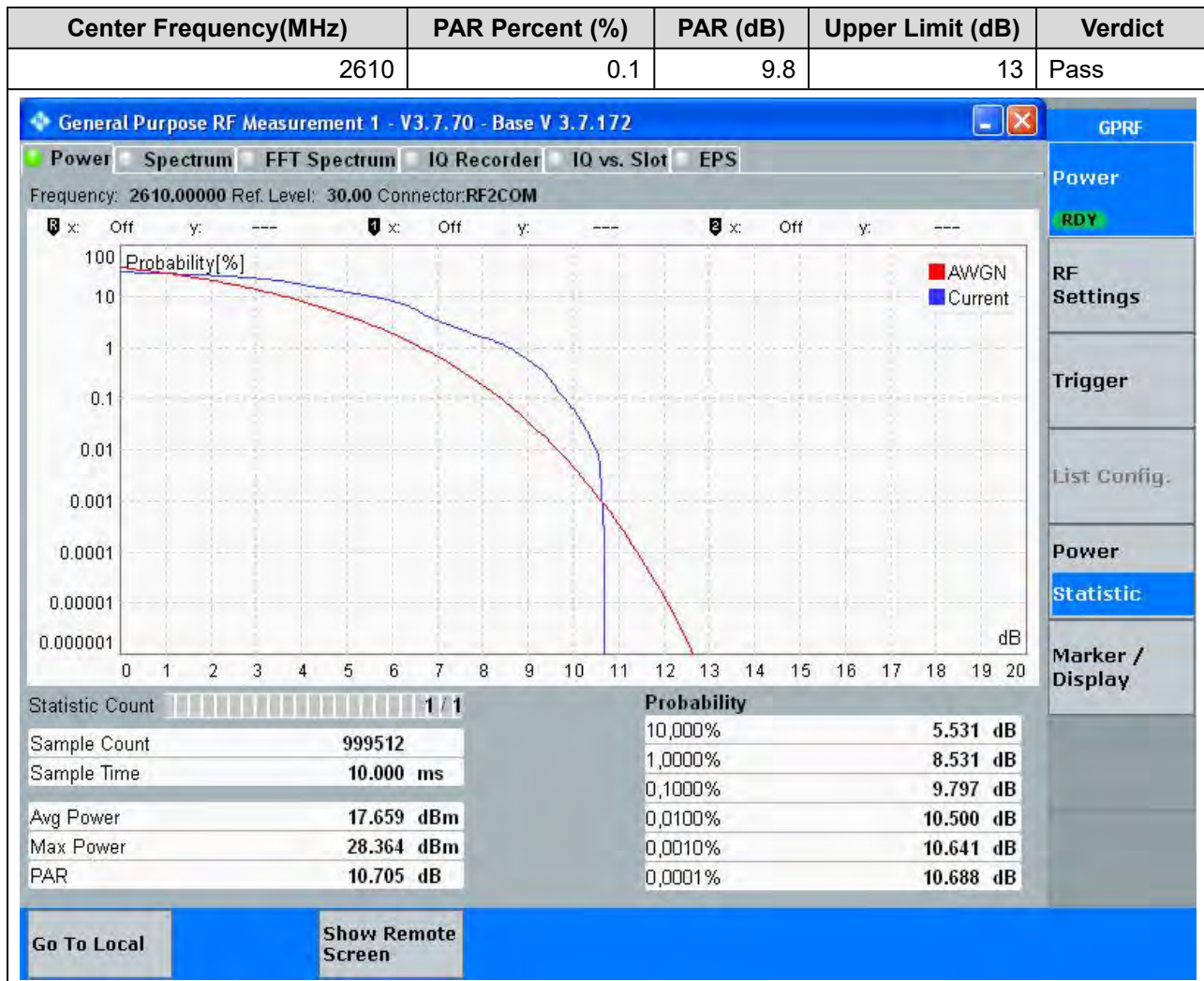
7.7. LTE Peak to Average Ratio(NTNV)(Subtest:7, Channel:38150, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)



7.8. LTE Peak to Average Ratio(NTNV)(Subtest:8, Channel:38150, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)

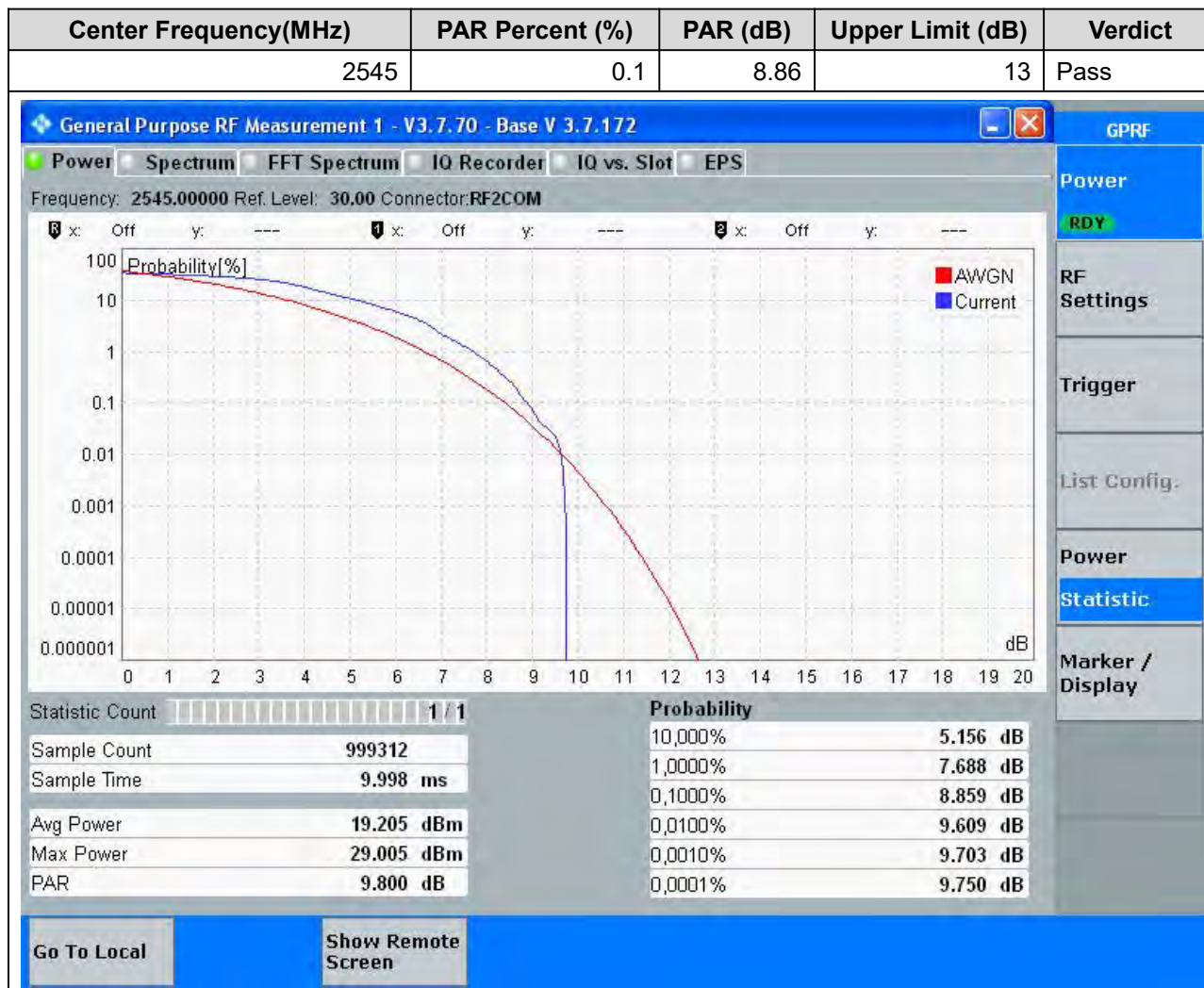


7.9. LTE Peak to Average Ratio(NTNV)(Subtest:9, Channel:38150, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)

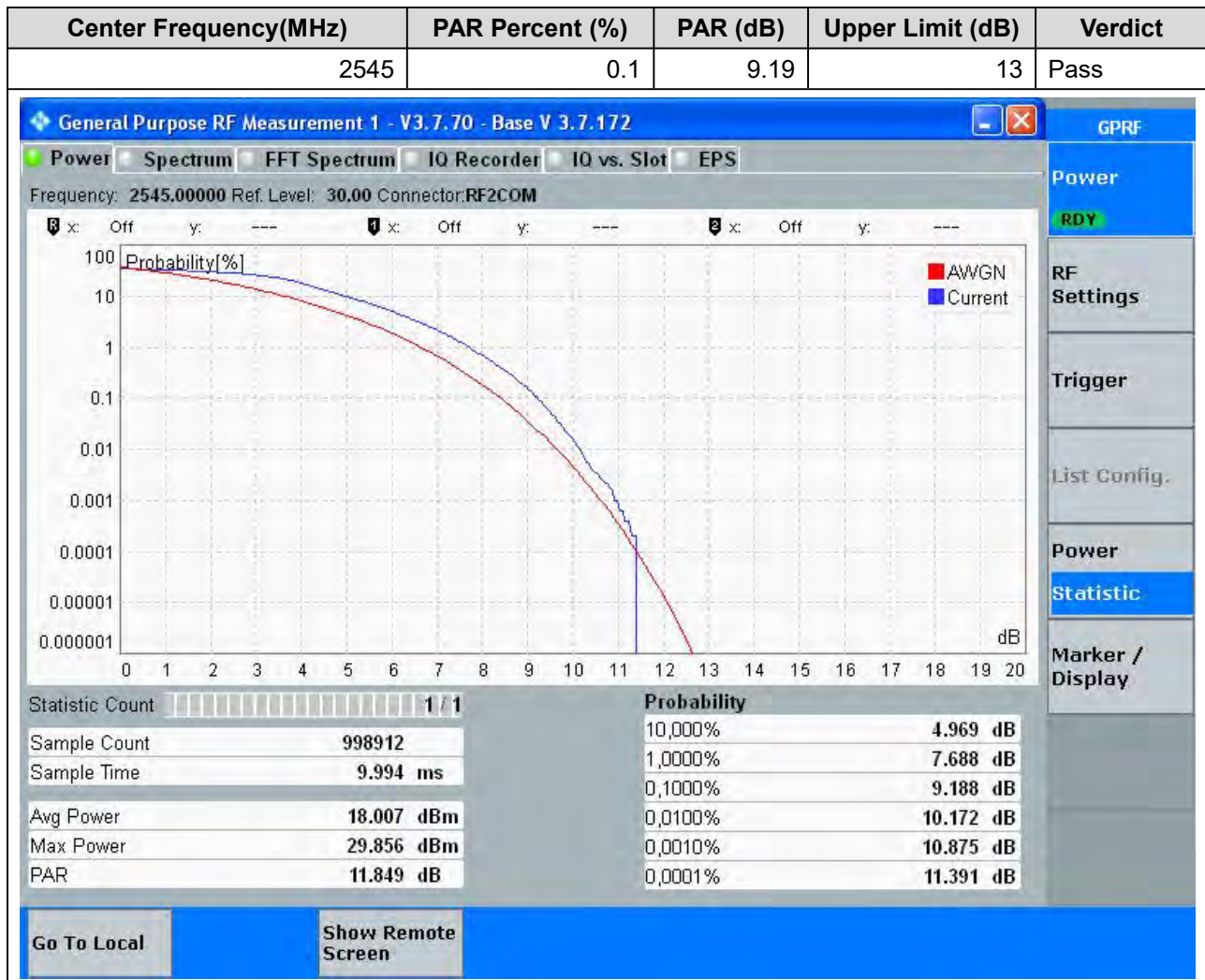


8. LTE_Band41 120M

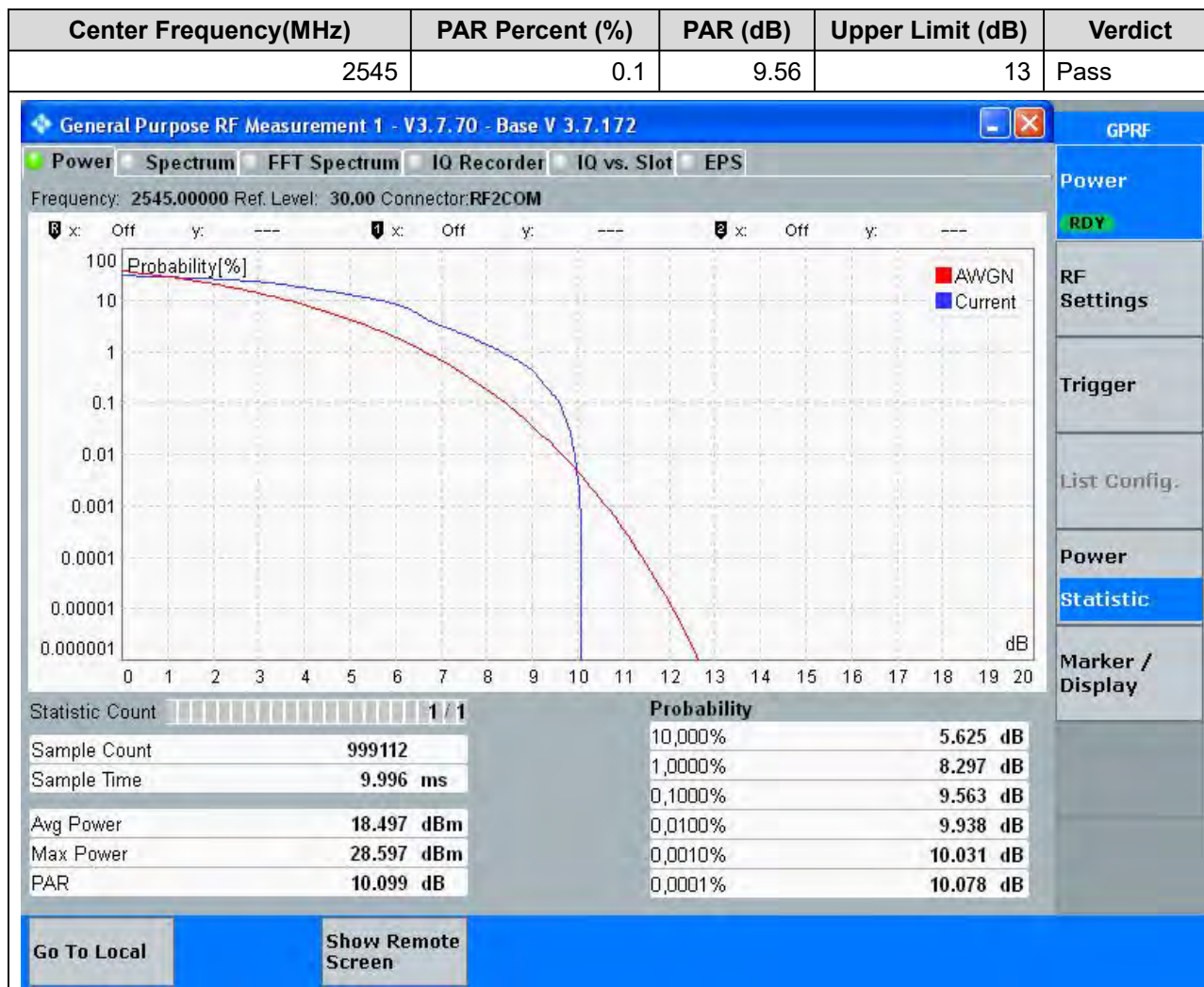
8.1. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:1, Channel:40140, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)



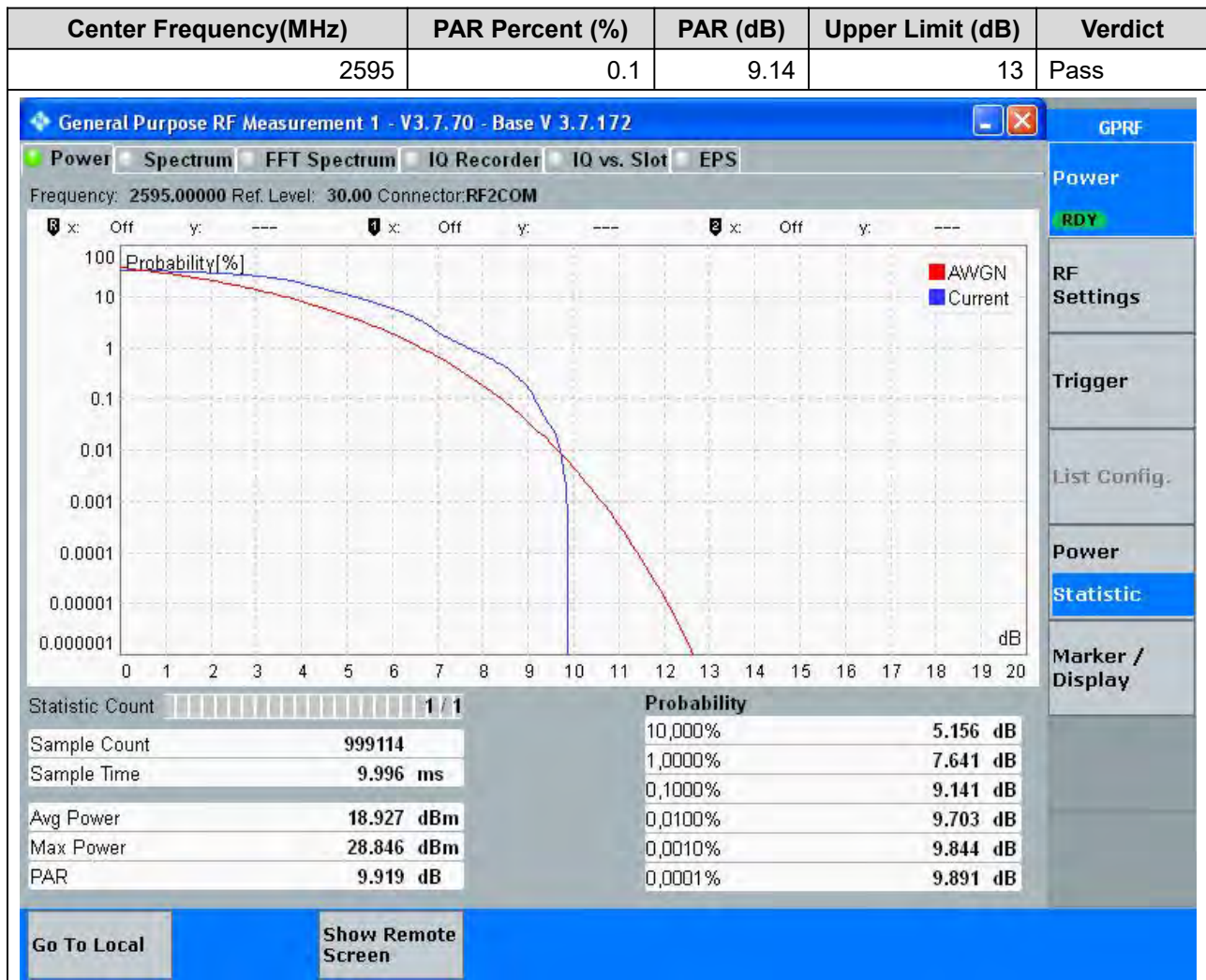
8.2. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:2, Channel:40140, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)



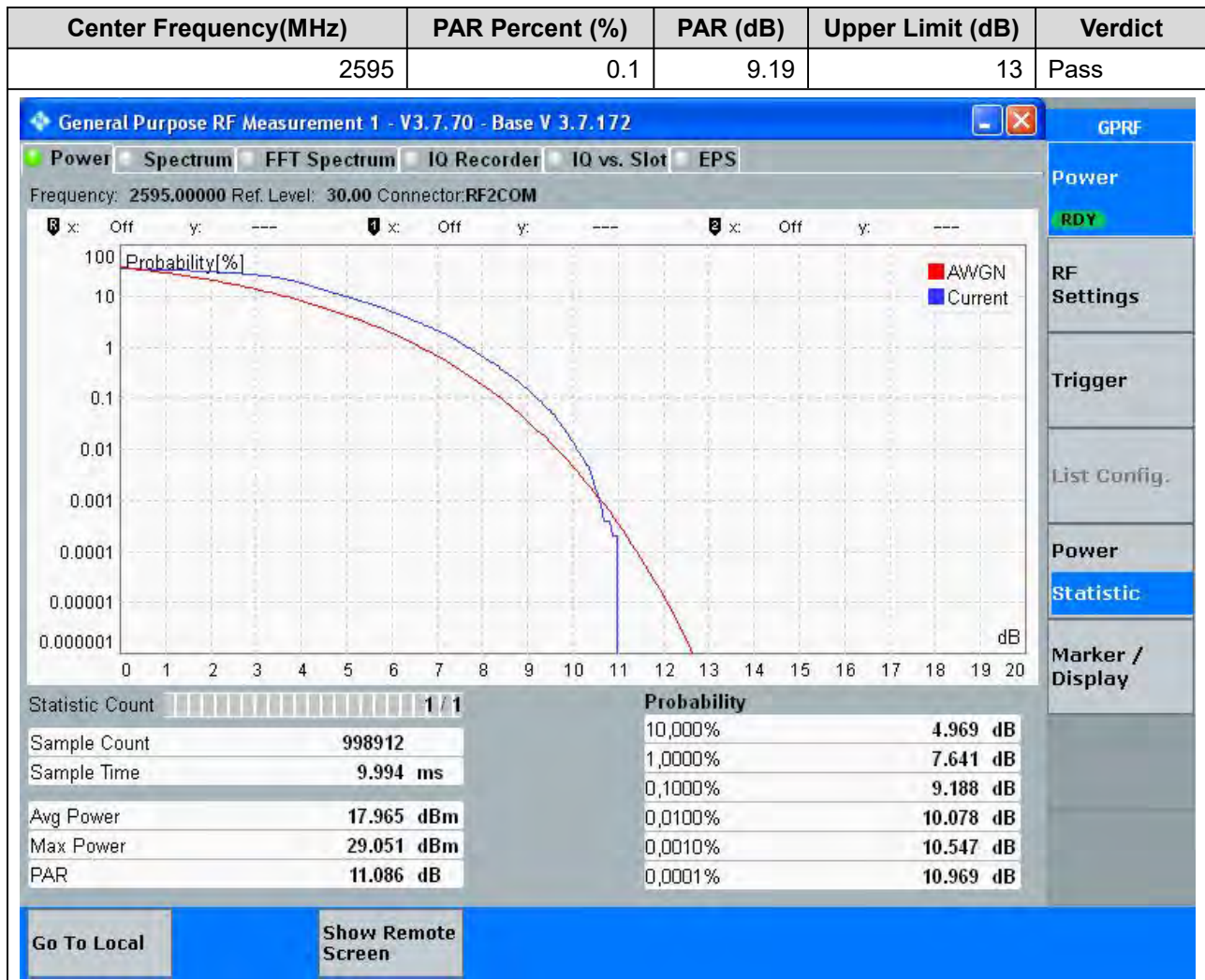
8.3. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:3, Channel:40140, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)



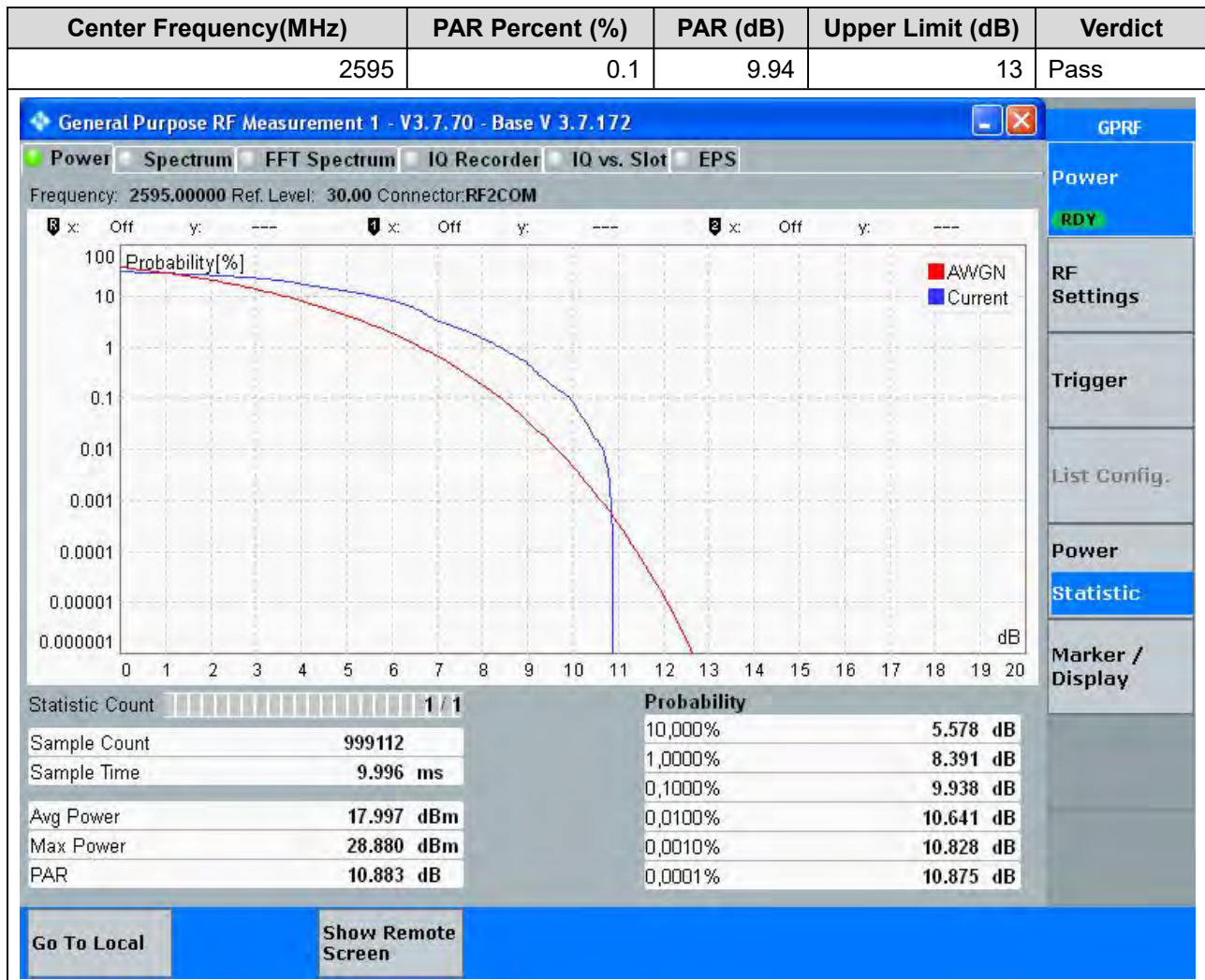
8.4. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:5, Channel:40640, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)



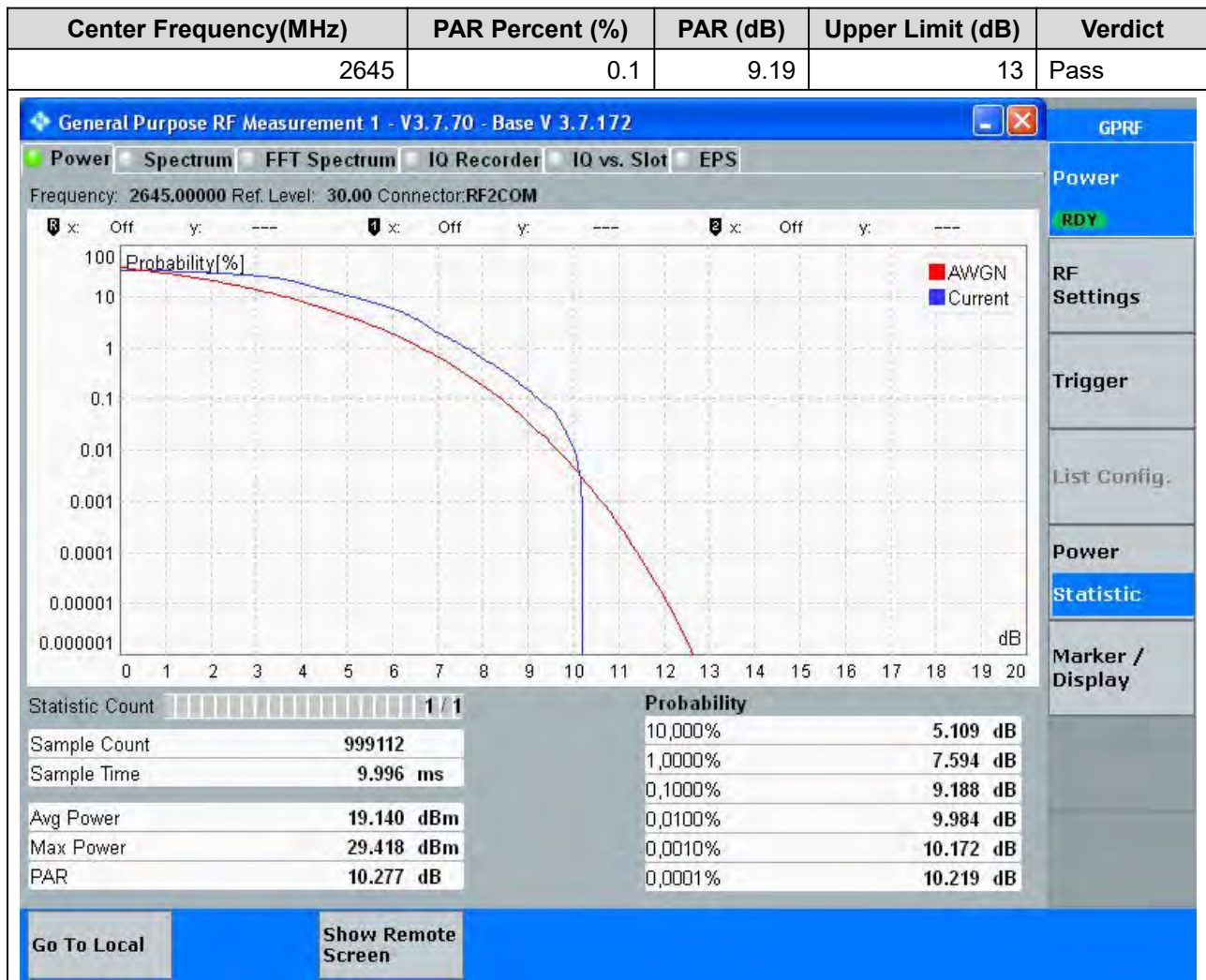
8.5. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:6, Channel:40640, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)



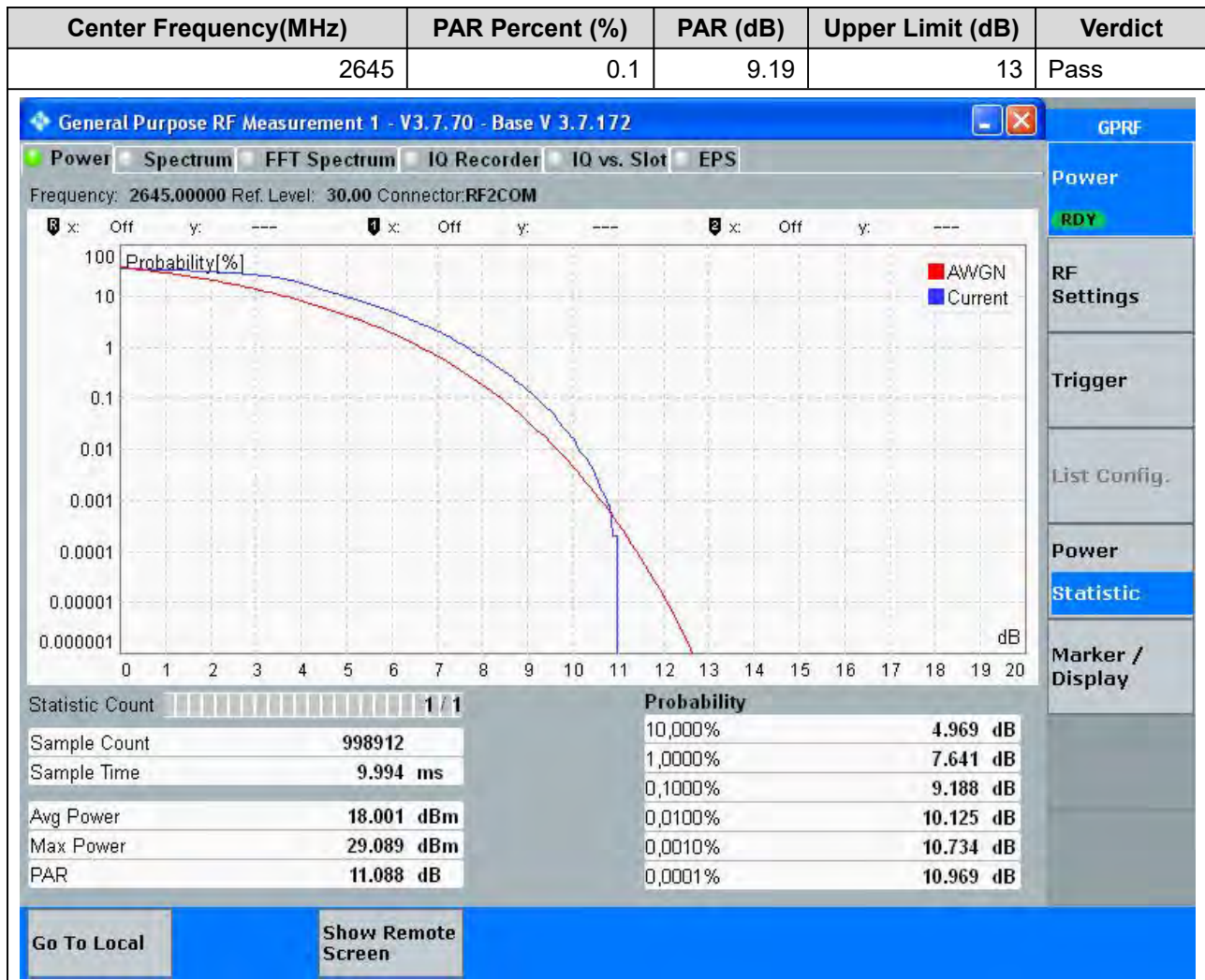
8.6. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:7, Channel:40640, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)



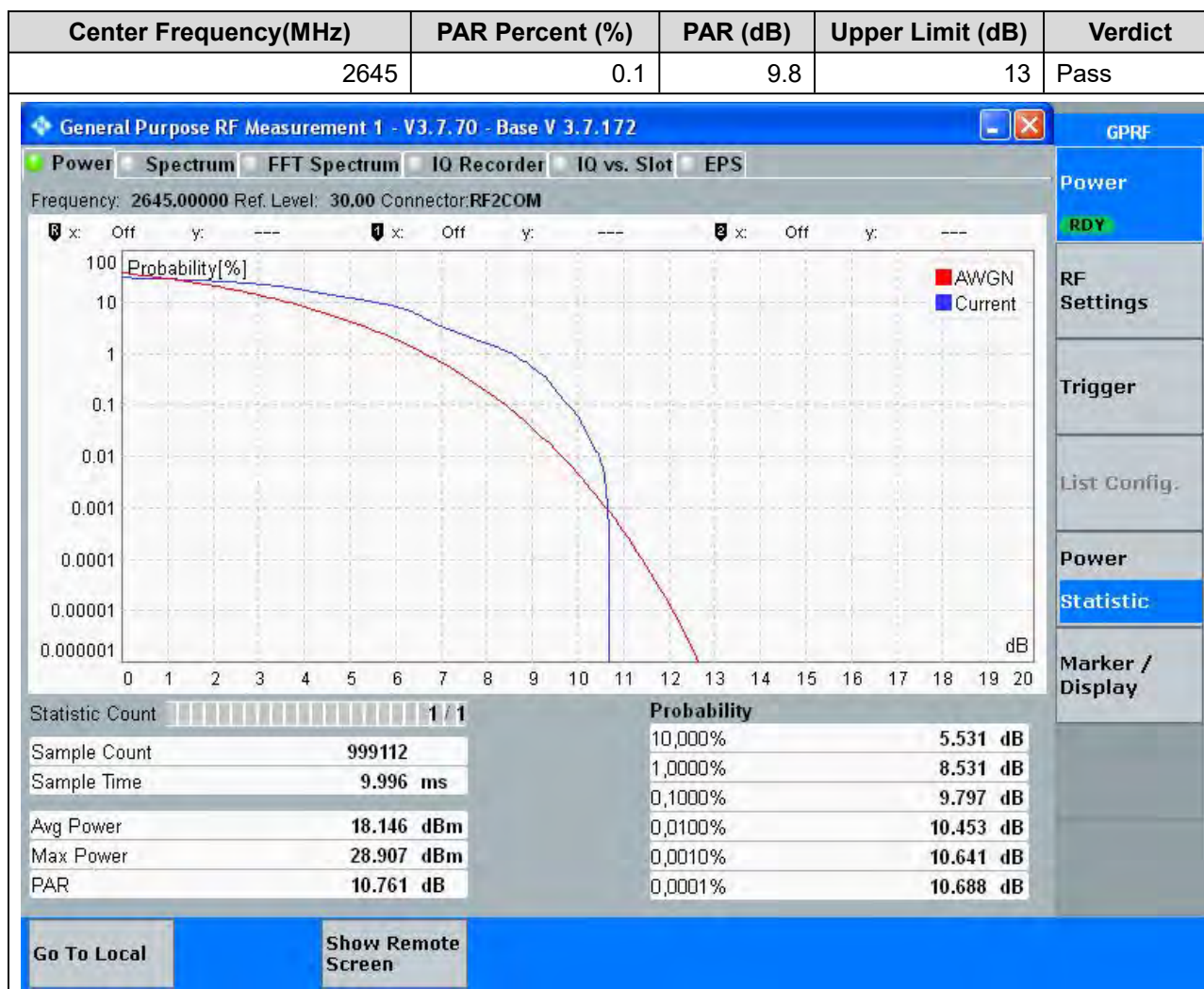
8.7. LTE Peak to Average Ratio_Part22-24-27(NTNV)(Subtest:9, Channel:41140, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)



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



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



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