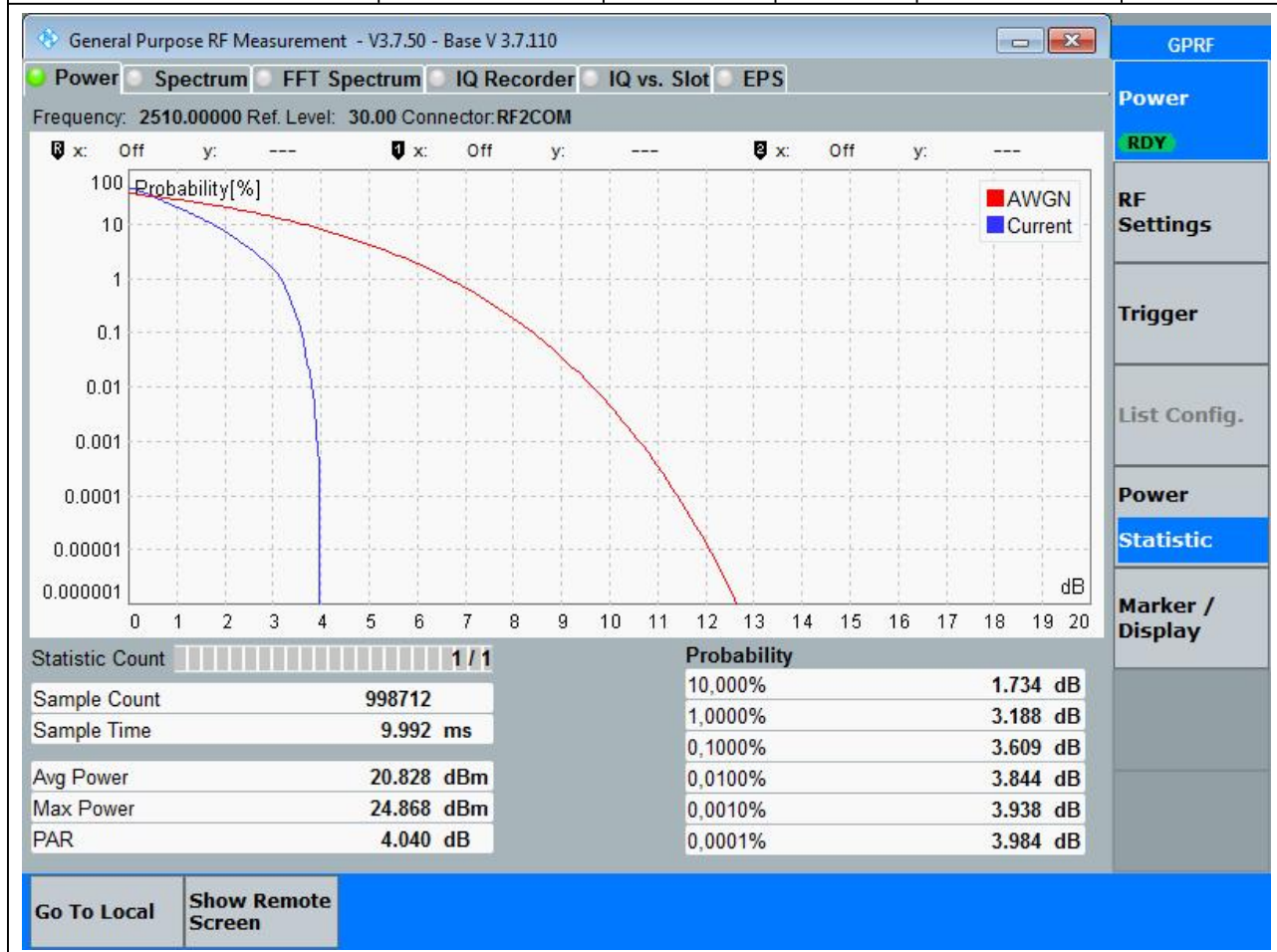


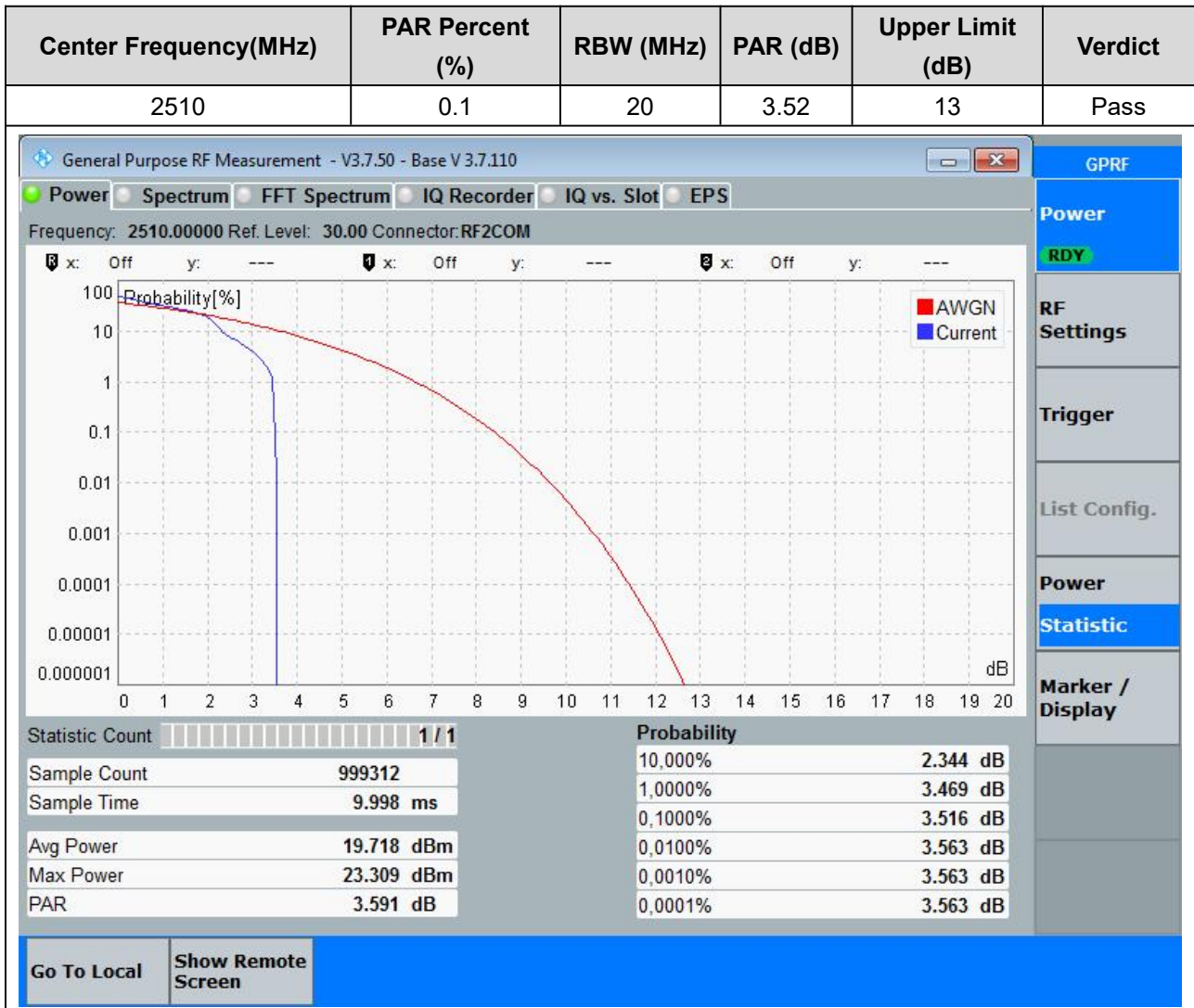
## Peak to Average Ratio

**3.2 Peak to Average Ratio for SA\_Part22-24-27(NTNV)(Channel:502000, Bandwidth:20, SCS:15, OFDM:DFT-s-OFDM, Modulation:Pi/2-BPSK, RB Number:100, RB Position:0)**

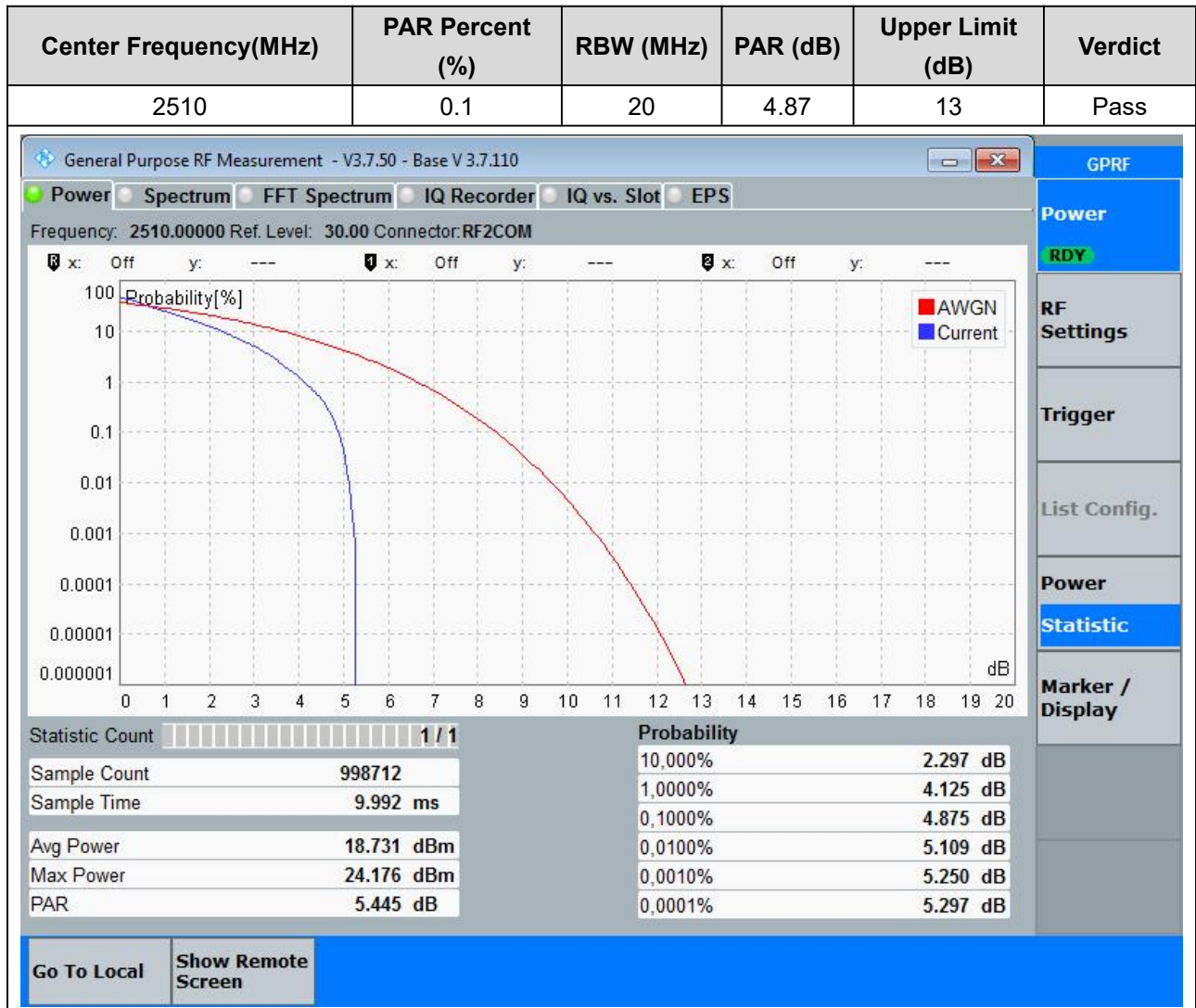
| Center Frequency(MHz) | PAR Percent (%) | RBW (MHz) | PAR (dB) | Upper Limit (dB) | Verdict |
|-----------------------|-----------------|-----------|----------|------------------|---------|
| 2510                  | 0.1             | 20        | 3.61     | 13               | Pass    |



### 3.3 Peak to Average Ratio for SA\_Part22-24-27(NTNV)(Channel:502000, Bandwidth:20, SCS:15, OFDM:DFT-s-OFDM, Modulation:QPSK, RB Number:1, RB Position:0)

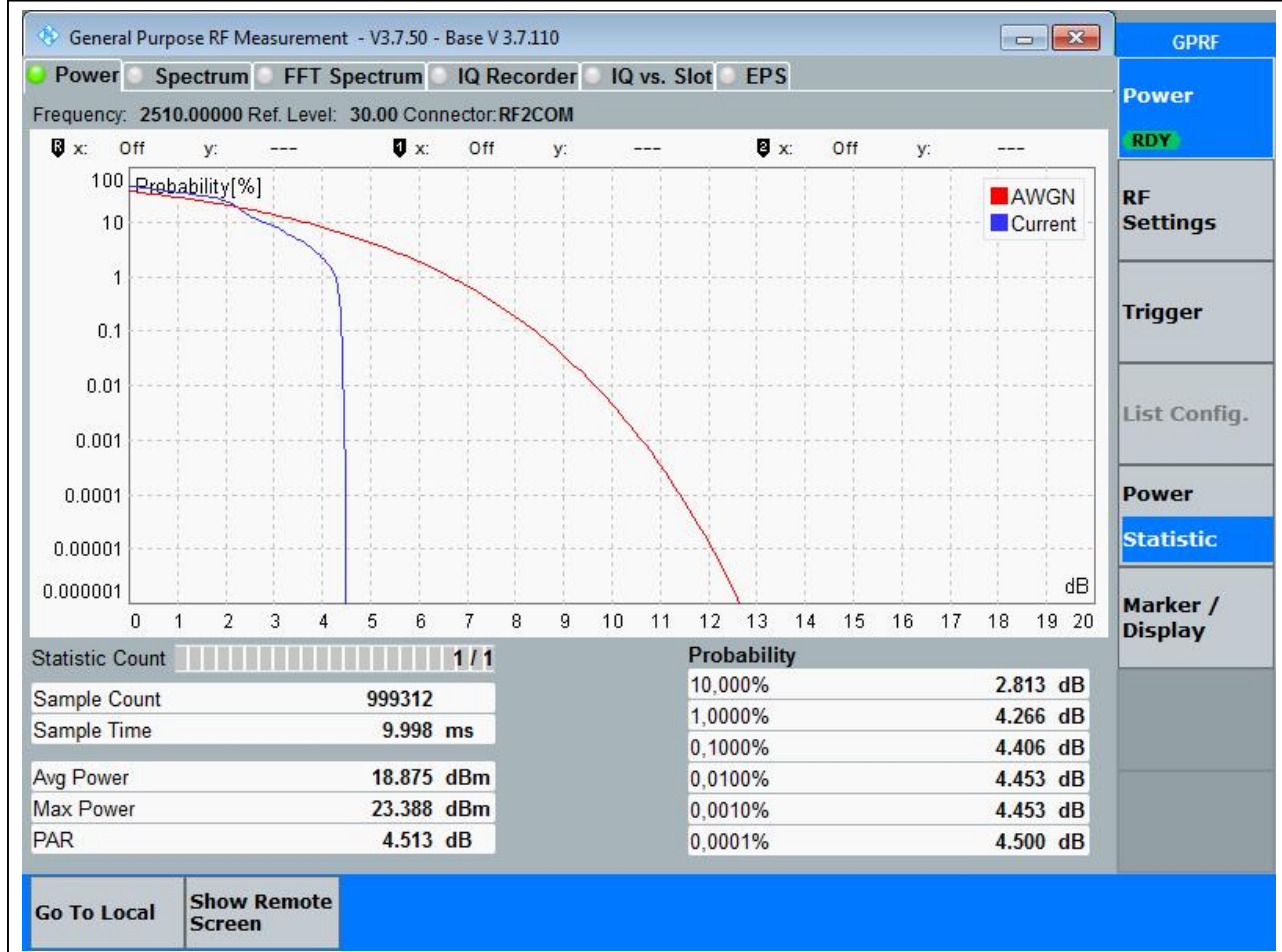


**3.4 Peak to Average Ratio for SA\_Part22-24-27(NTNV)(Channel:502000, Bandwidth:20, SCS:15, OFDM:DFT-s-OFDM, Modulation:QPSK, RB Number:100, RB Position:0)**

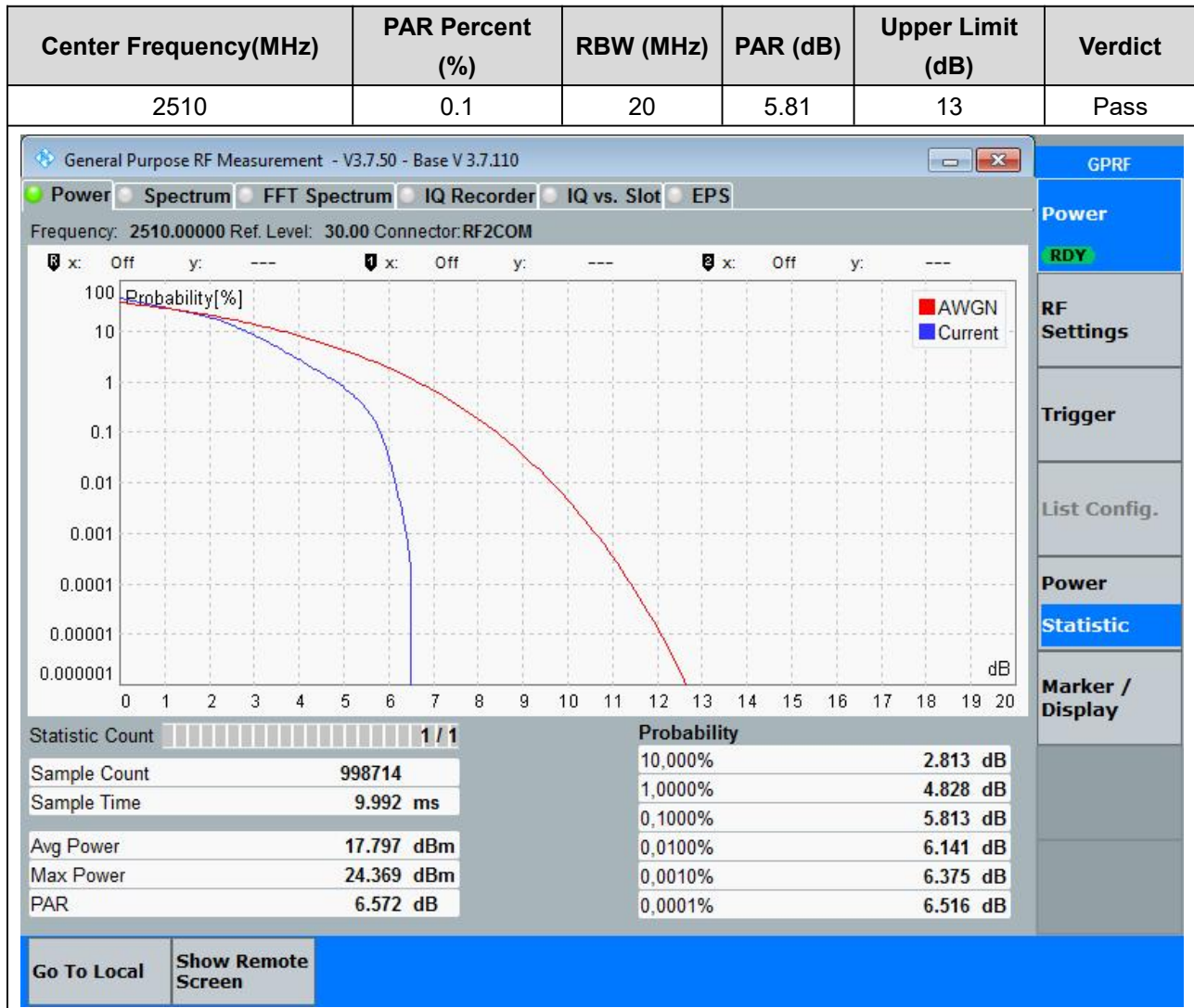


**3.5 Peak to Average Ratio for SA\_Part22-24-27(NTNV)(Channel:502000, Bandwidth:20, SCS:15, OFDM:DFT-s-OFDM, Modulation:16QAM, RB Number:1, RB Position:0)**

| Center Frequency(MHz) | PAR Percent (%) | RBW (MHz) | PAR (dB) | Upper Limit (dB) | Verdict |
|-----------------------|-----------------|-----------|----------|------------------|---------|
| 2510                  | 0.1             | 20        | 4.41     | 13               | Pass    |

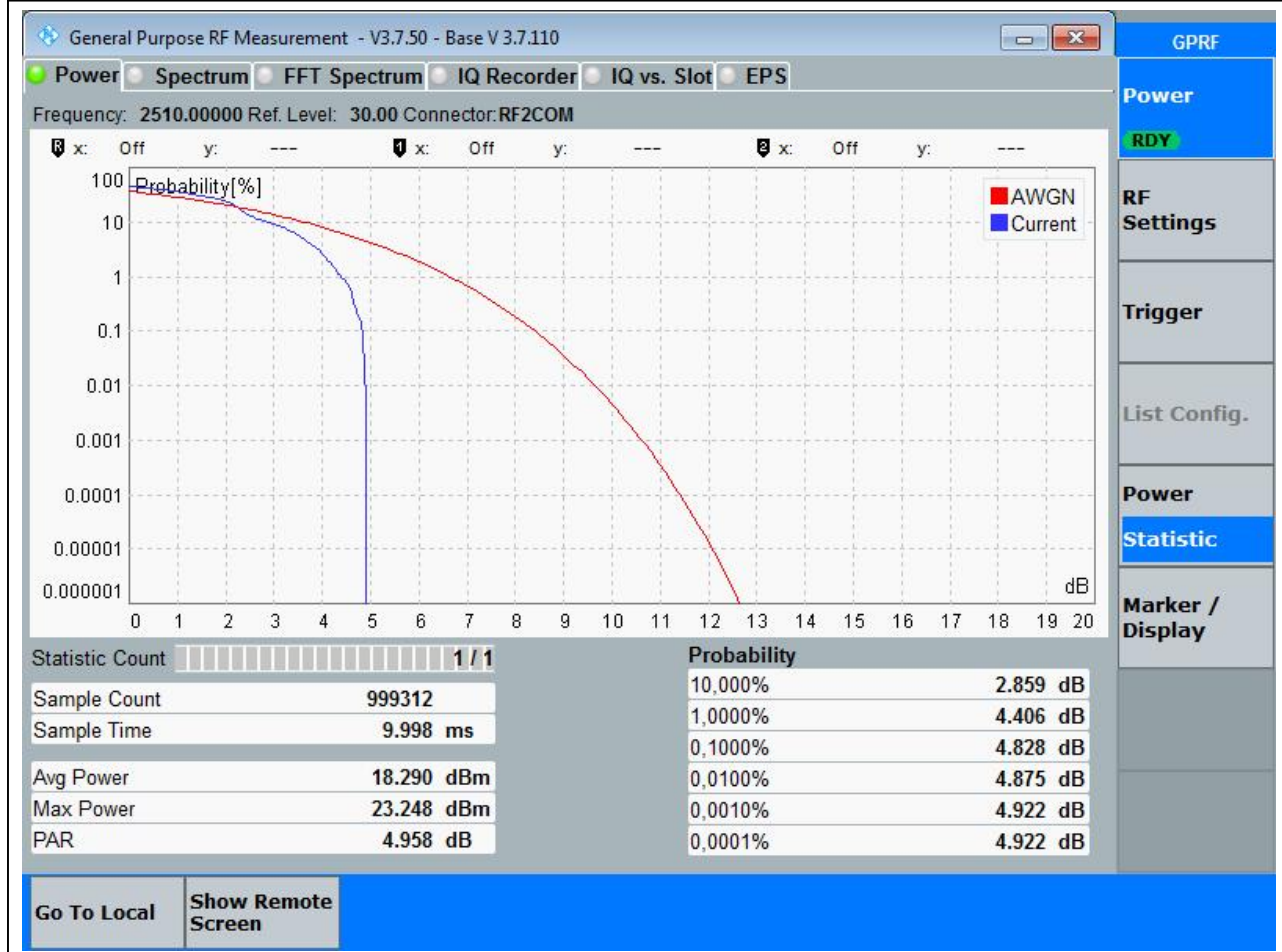


**3.6 Peak to Average Ratio for SA\_Part22-24-27(NTNV)(Channel:502000, Bandwidth:20, SCS:15, OFDM:DFT-s-OFDM, Modulation:16QAM, RB Number:100, RB Position:0)**

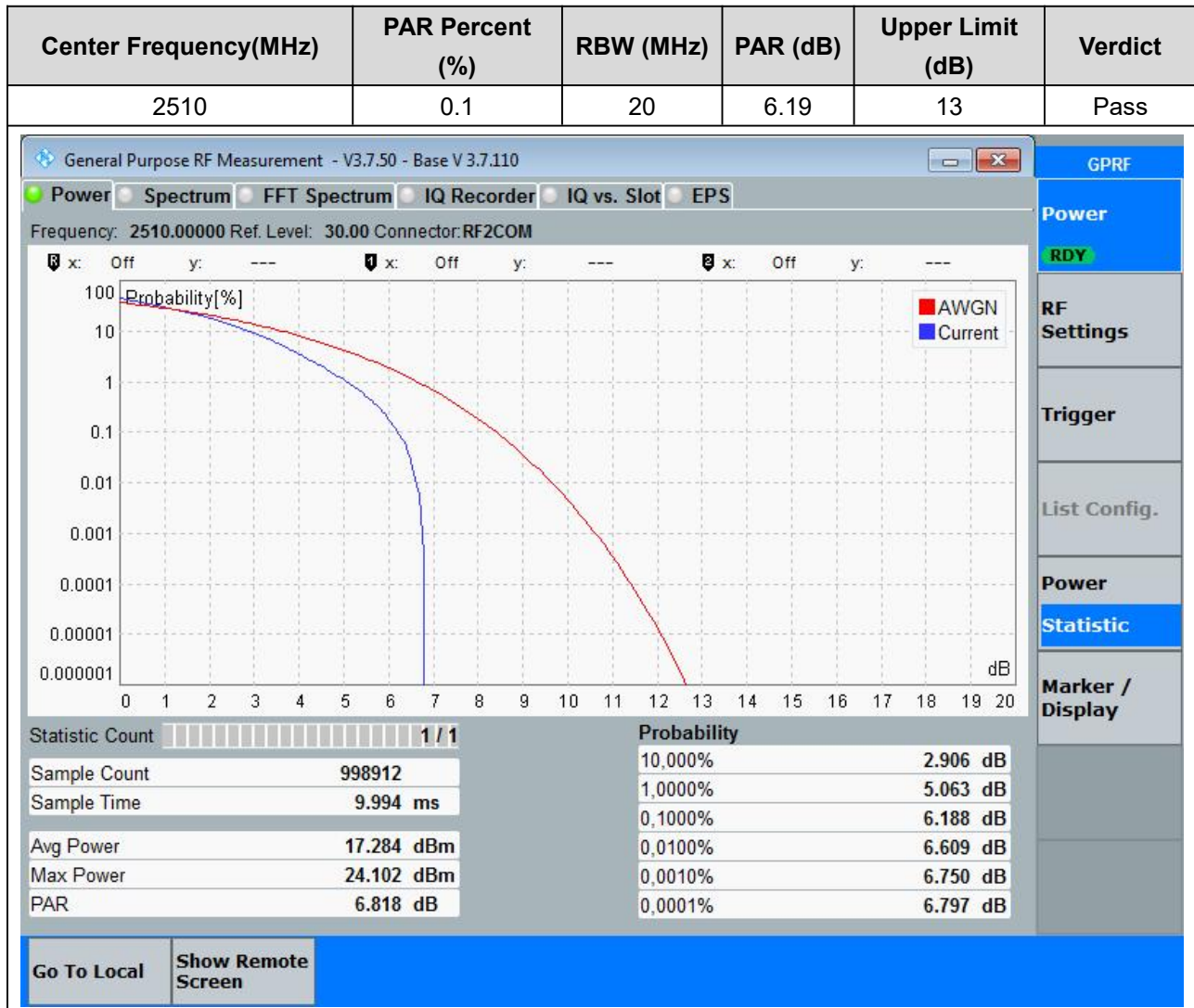


**3.7 Peak to Average Ratio for SA\_Part22-24-27(NTNV)(Channel:502000, Bandwidth:20, SCS:15, OFDM:DFT-s-OFDM, Modulation:64QAM, RB Number:1, RB Position:0)**

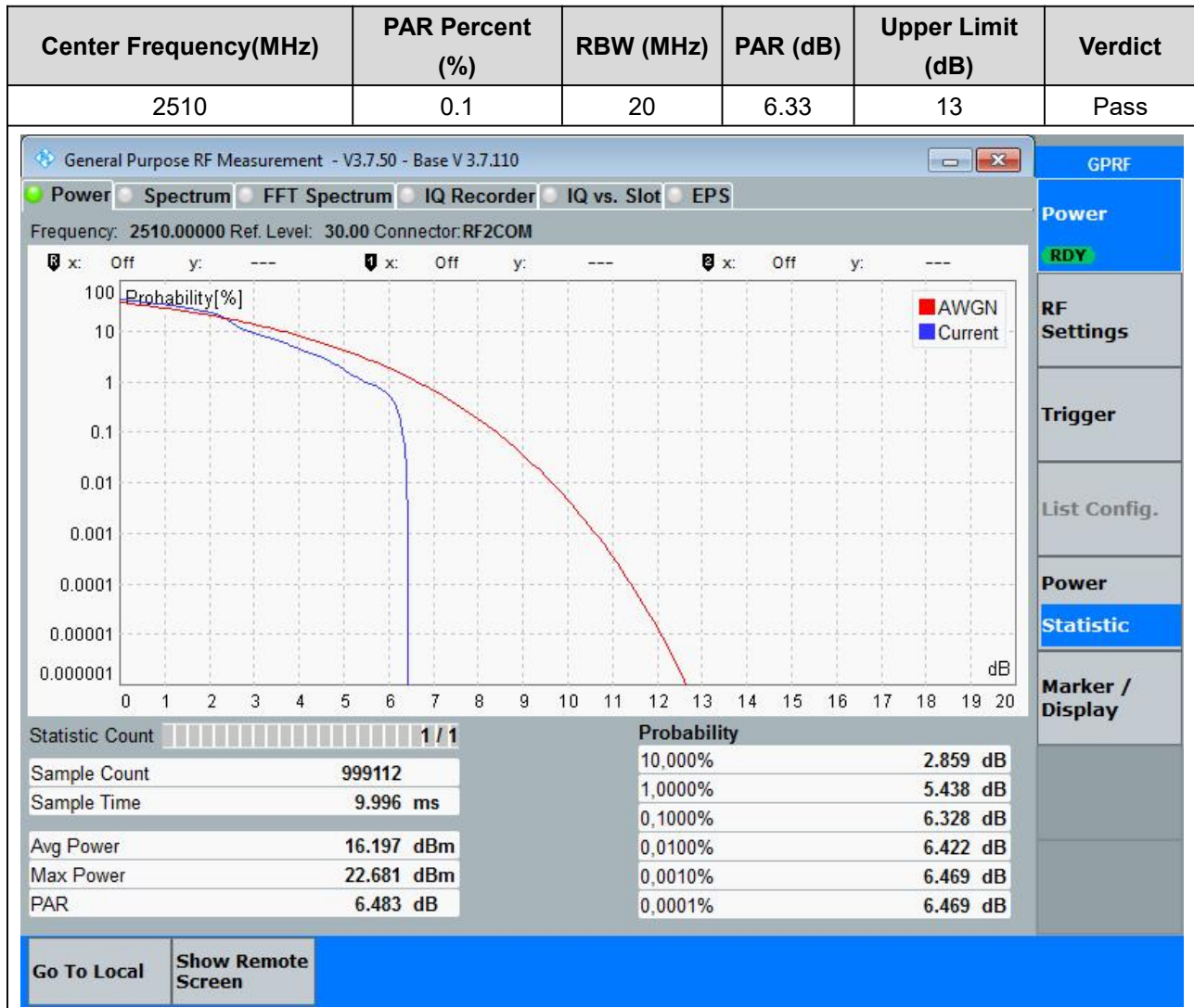
| Center Frequency(MHz) | PAR Percent (%) | RBW (MHz) | PAR (dB) | Upper Limit (dB) | Verdict |
|-----------------------|-----------------|-----------|----------|------------------|---------|
| 2510                  | 0.1             | 20        | 4.83     | 13               | Pass    |



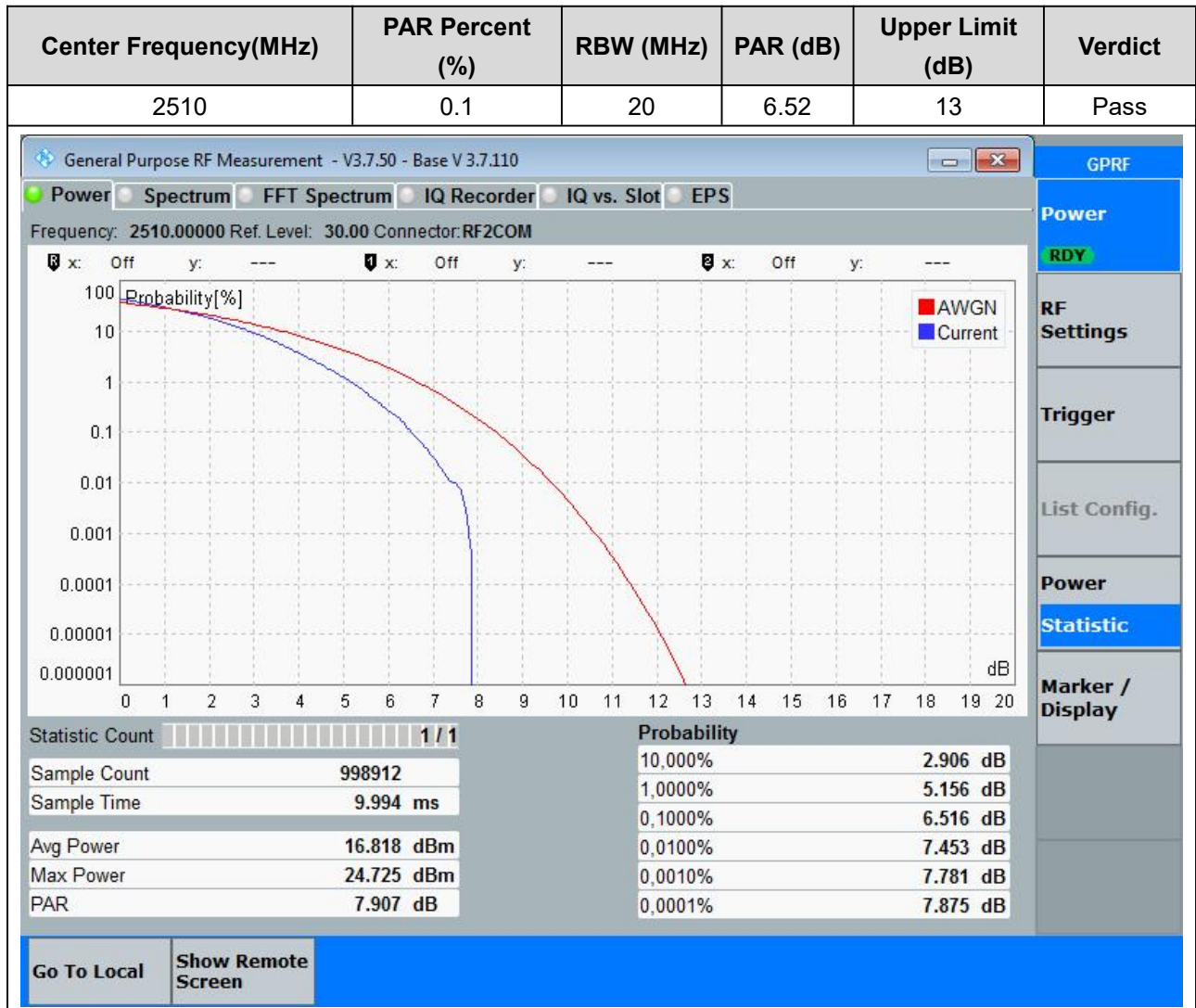
**3.8 Peak to Average Ratio for SA\_Part22-24-27(NTNV)(Channel:502000, Bandwidth:20, SCS:15, OFDM:DFT-s-OFDM, Modulation:64QAM, RB Number:100, RB Position:0)**



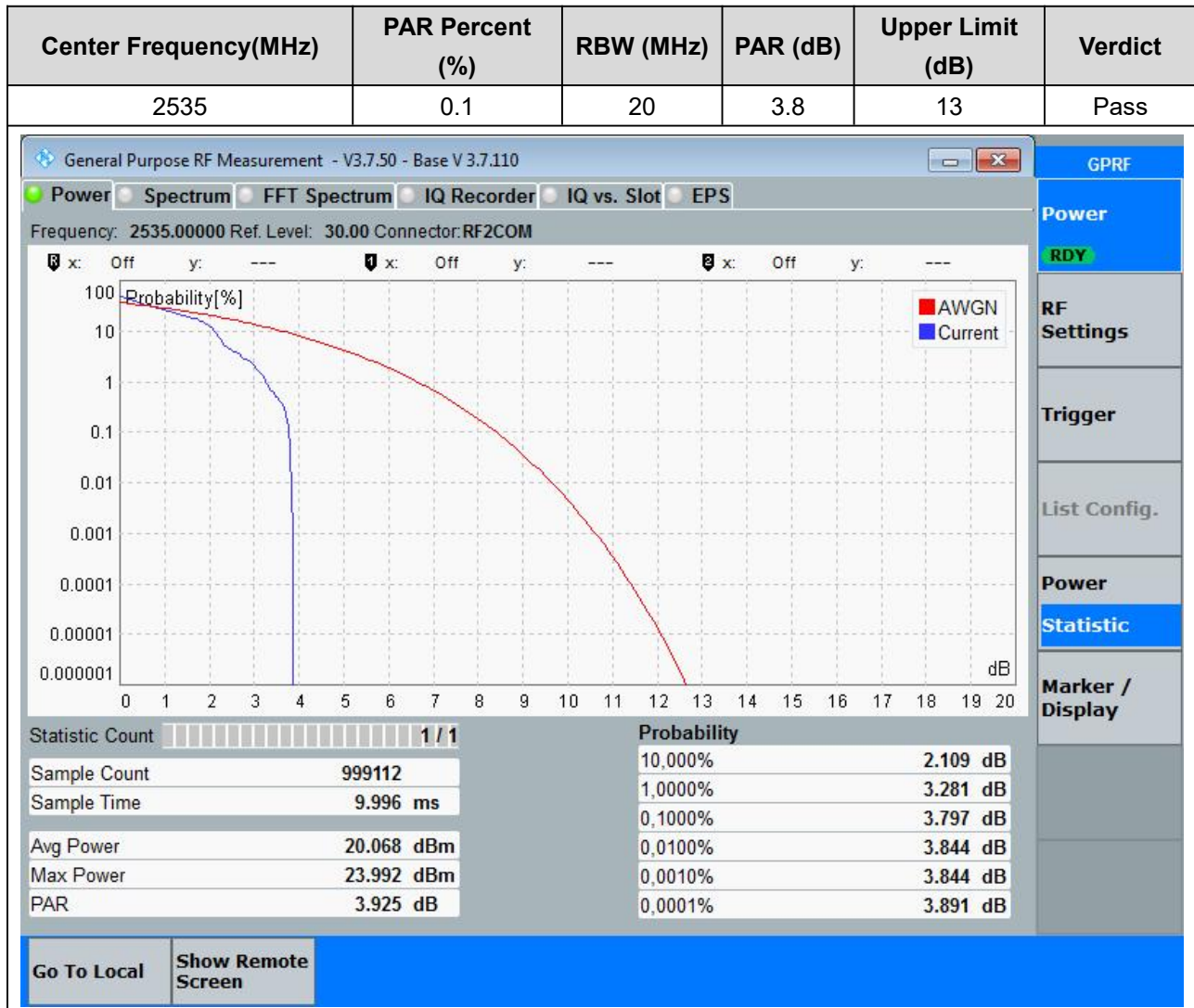
**3.9 Peak to Average Ratio for SA\_Part22-24-27(NTNV)(Channel:502000, Bandwidth:20, SCS:15, OFDM:DFT-s-OFDM, Modulation:256QAM, RB Number:1, RB Position:0)**



**3.10 Peak to Average Ratio for SA\_Part22-24-27(NTNV)(Channel:502000, Bandwidth:20, SCS:15, OFDM:DFT-s-OFDM, Modulation:256QAM, RB Number:100, RB Position:0)**

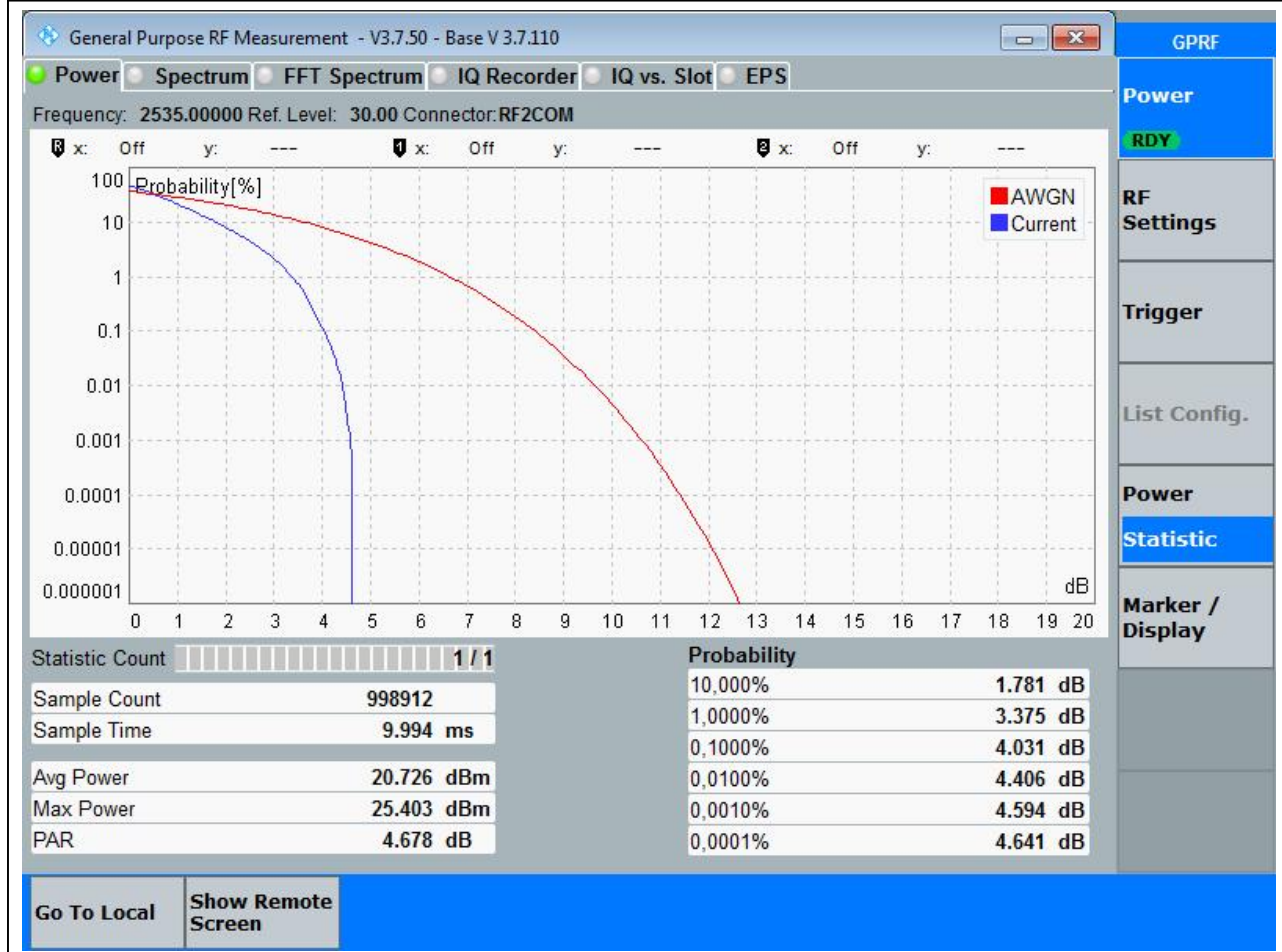


**3.11 Peak to Average Ratio for SA\_Part22-24-27(NTNV)(Channel:507000, Bandwidth:20, SCS:15, OFDM:DFT-s-OFDM, Modulation:Pi/2-BPSK, RB Number:1, RB Position:0)**

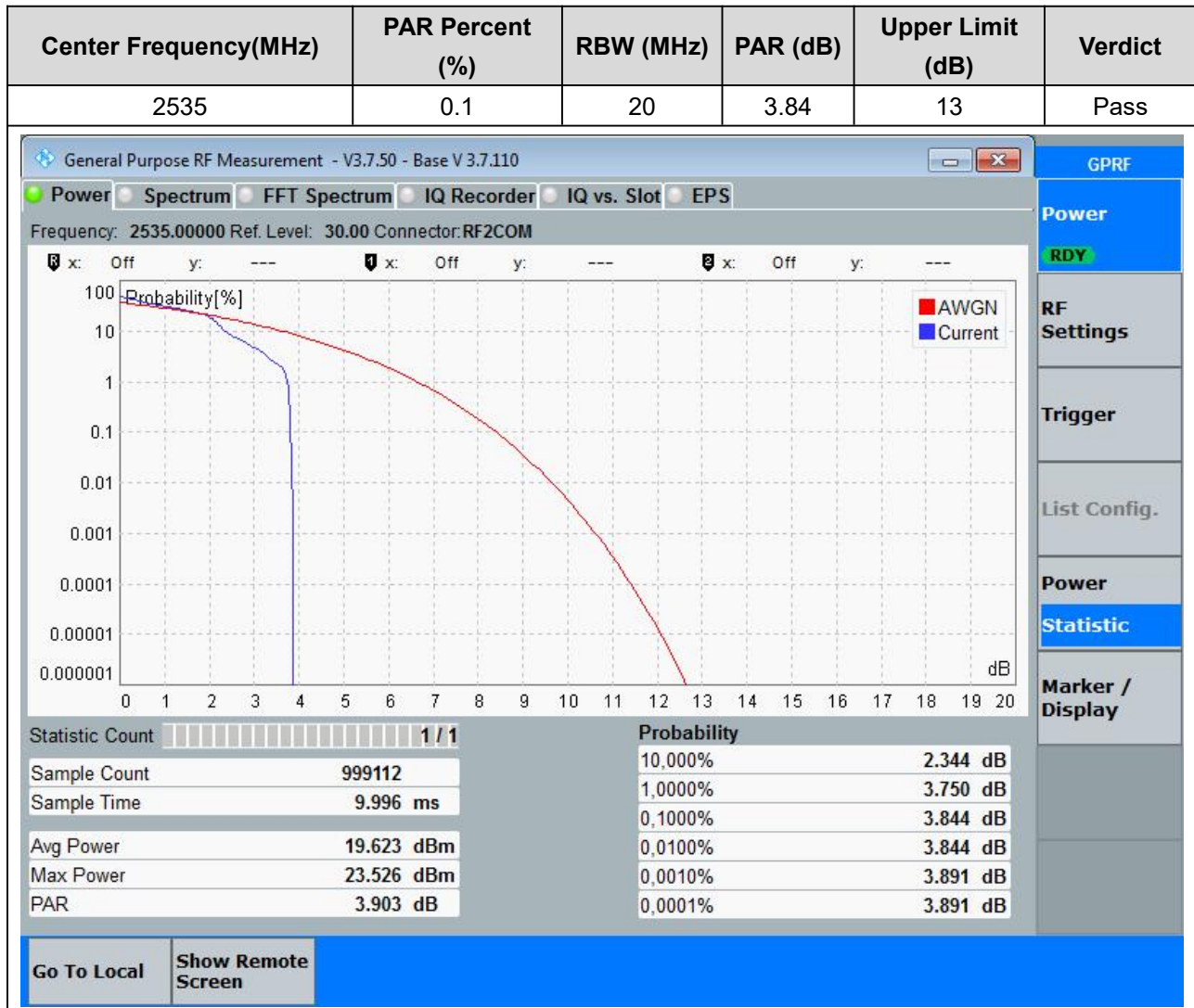


**3.12 Peak to Average Ratio for SA\_Part22-24-27(NTNV)(Channel:507000, Bandwidth:20, SCS:15, OFDM:DFT-s-OFDM, Modulation:Pi/2-BPSK, RB Number:100, RB Position:0)**

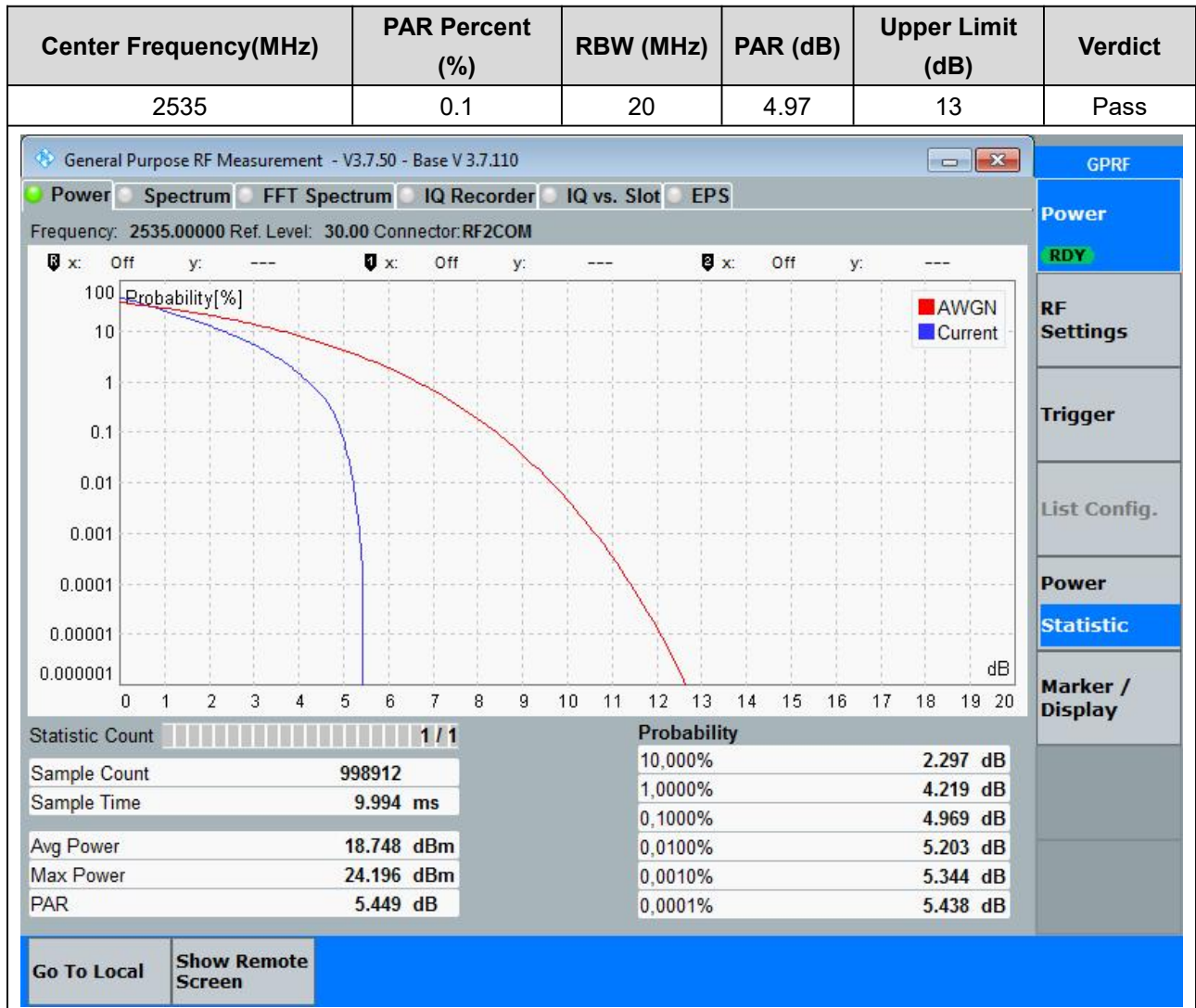
| Center Frequency(MHz) | PAR Percent (%) | RBW (MHz) | PAR (dB) | Upper Limit (dB) | Verdict |
|-----------------------|-----------------|-----------|----------|------------------|---------|
| 2535                  | 0.1             | 20        | 4.03     | 13               | Pass    |



**3.13 Peak to Average Ratio for SA\_Part22-24-27(NTNV)(Channel:507000, Bandwidth:20, SCS:15, OFDM:DFT-s-OFDM, Modulation:QPSK, RB Number:1, RB Position:0)**

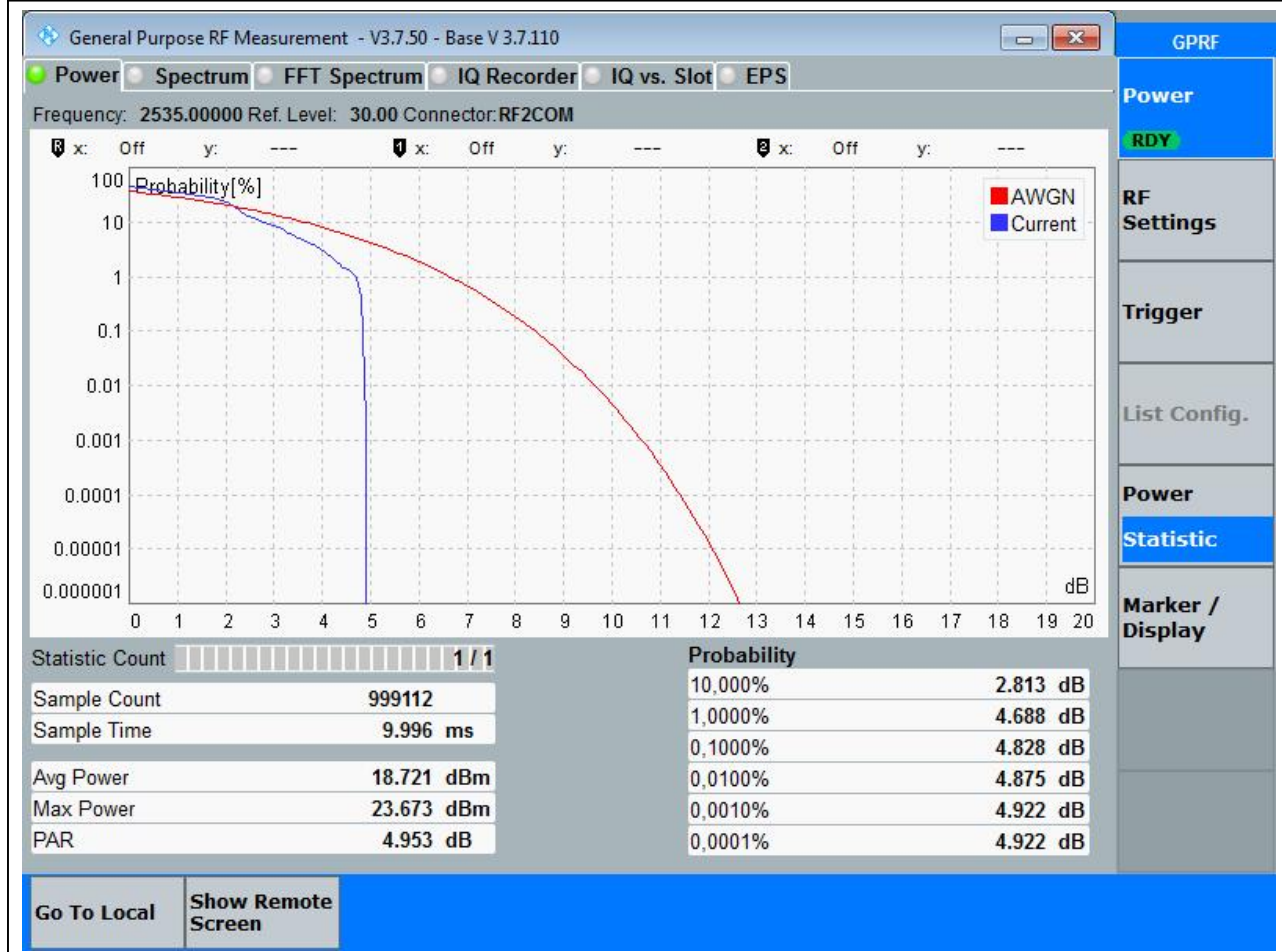


**3.14 Peak to Average Ratio for SA\_Part22-24-27(NTNV)(Channel:507000, Bandwidth:20, SCS:15, OFDM:DFT-s-OFDM, Modulation:QPSK, RB Number:100, RB Position:0)**

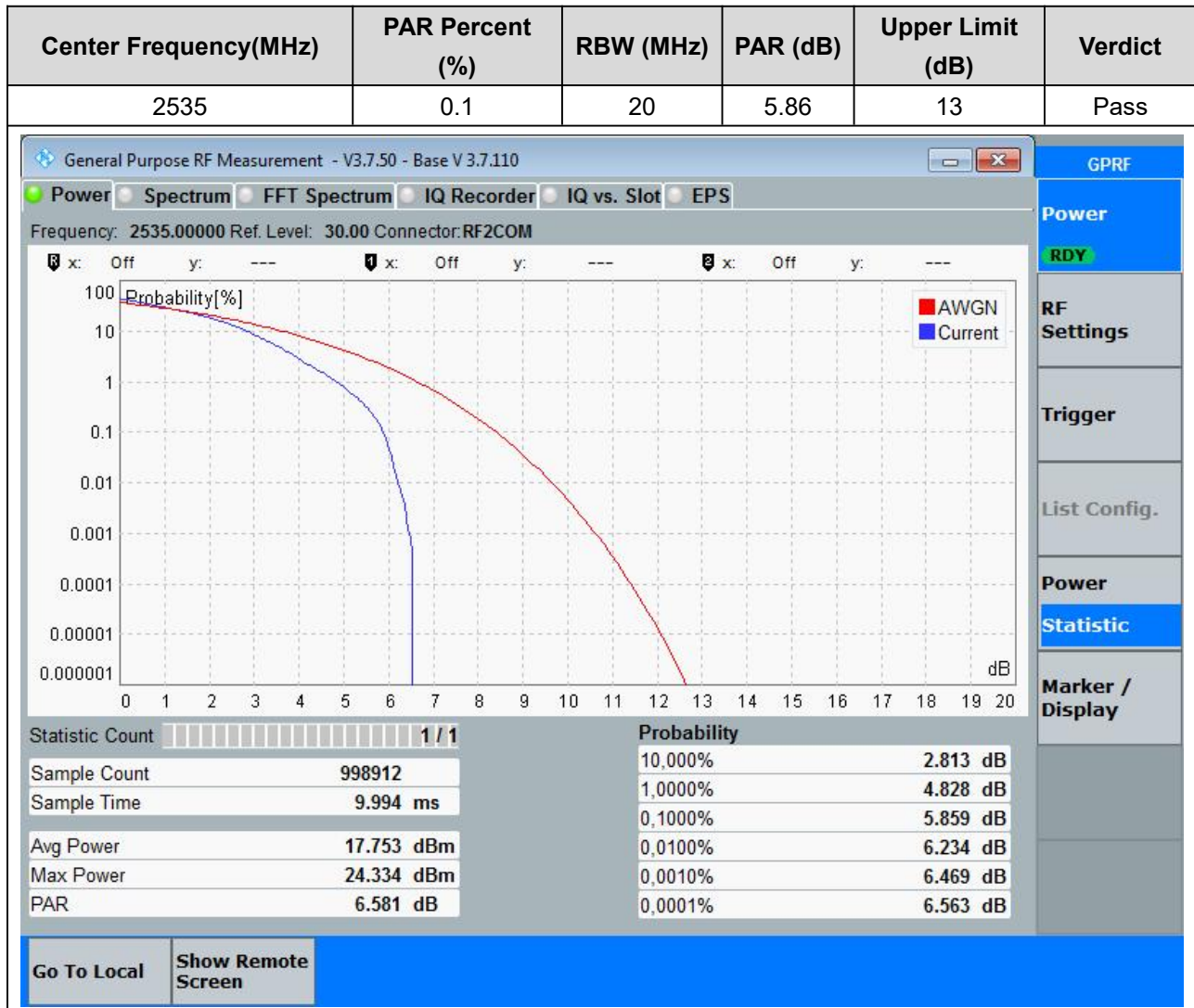


**3.15 Peak to Average Ratio for SA\_Part22-24-27(NTNV)(Channel:507000, Bandwidth:20, SCS:15, OFDM:DFT-s-OFDM, Modulation:16QAM, RB Number:1, RB Position:0)**

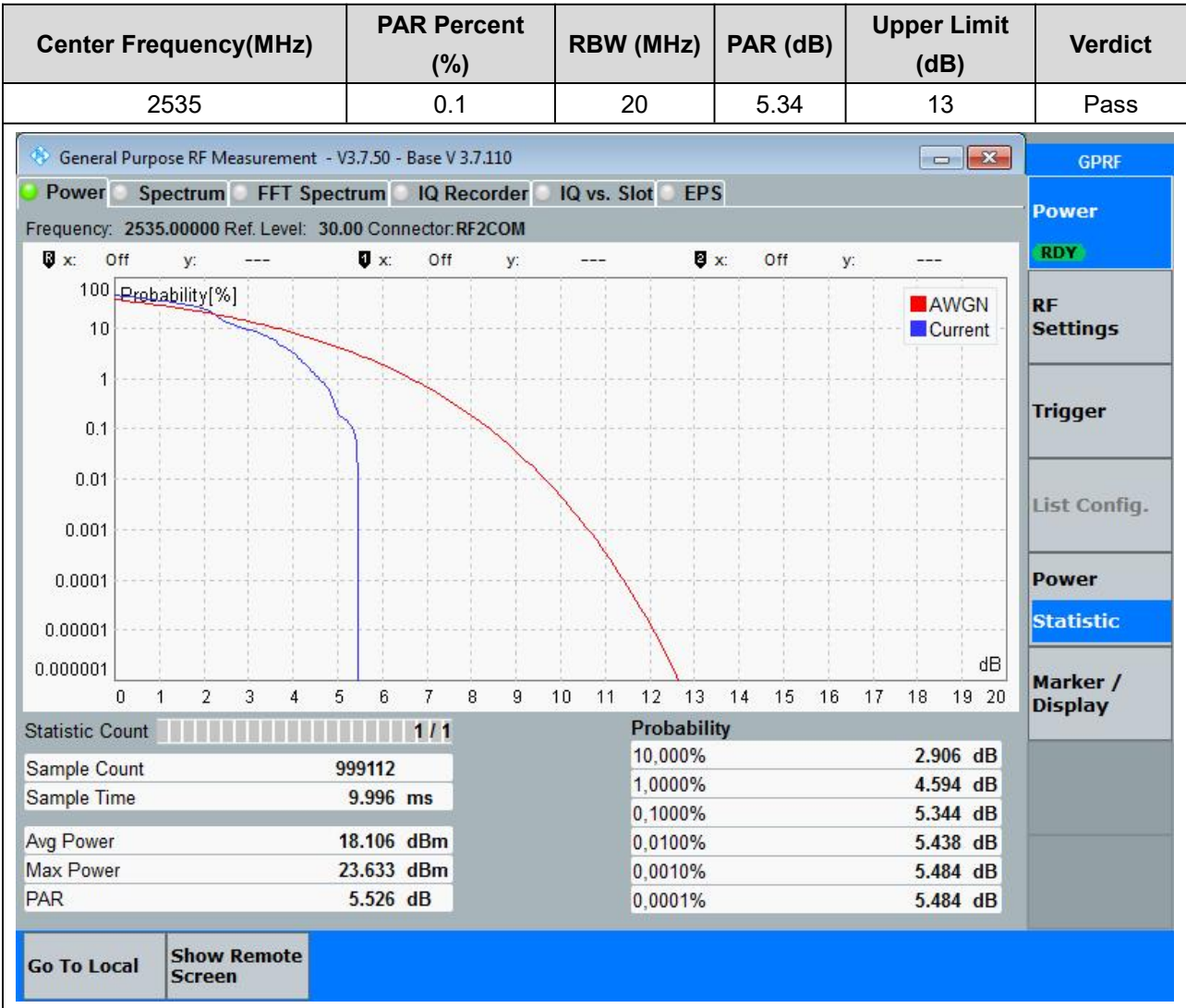
| Center Frequency(MHz) | PAR Percent (%) | RBW (MHz) | PAR (dB) | Upper Limit (dB) | Verdict |
|-----------------------|-----------------|-----------|----------|------------------|---------|
| 2535                  | 0.1             | 20        | 4.83     | 13               | Pass    |



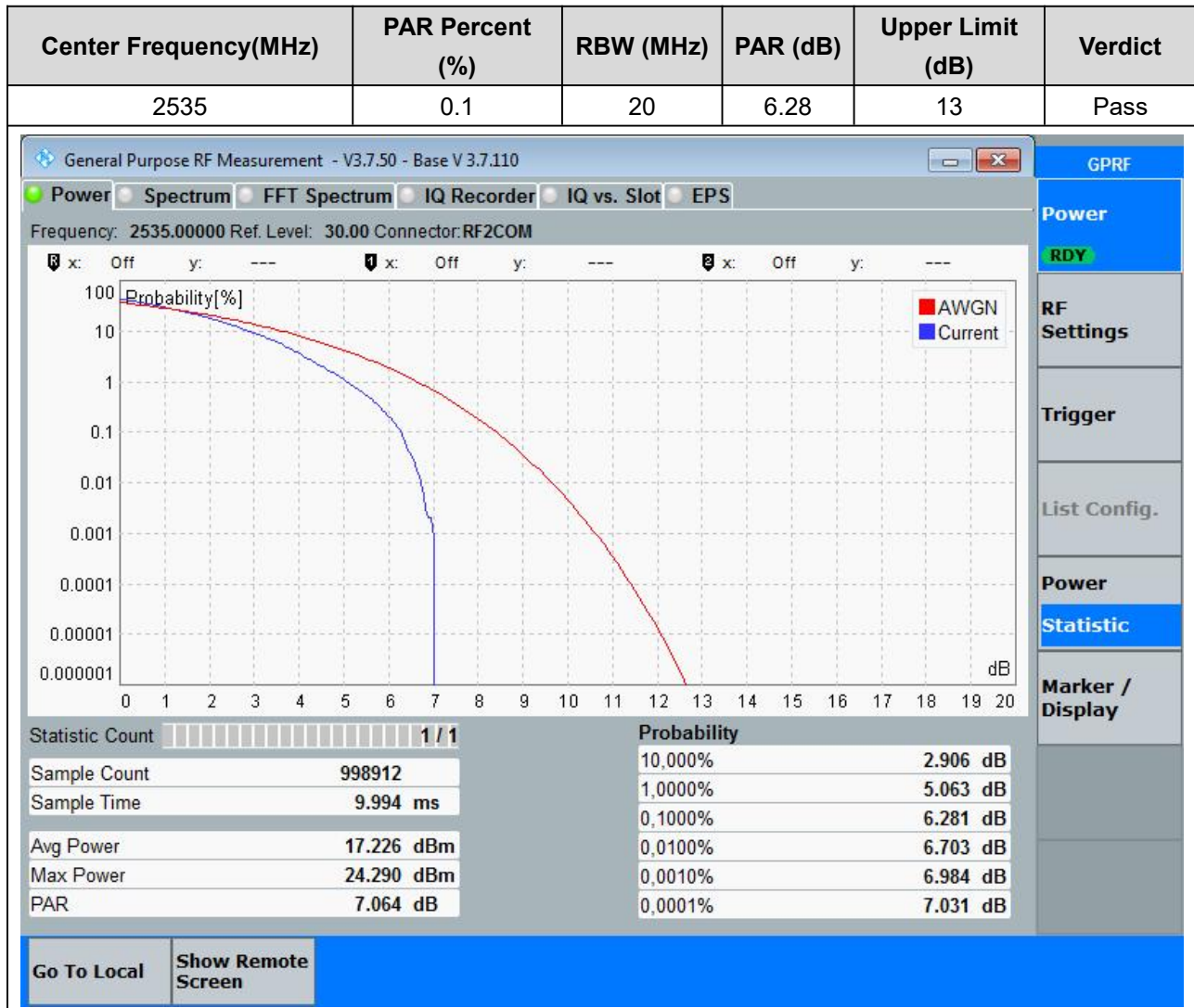
**3.16 Peak to Average Ratio for SA\_Part22-24-27(NTNV)(Channel:507000, Bandwidth:20, SCS:15, OFDM:DFT-s-OFDM, Modulation:16QAM, RB Number:100, RB Position:0)**



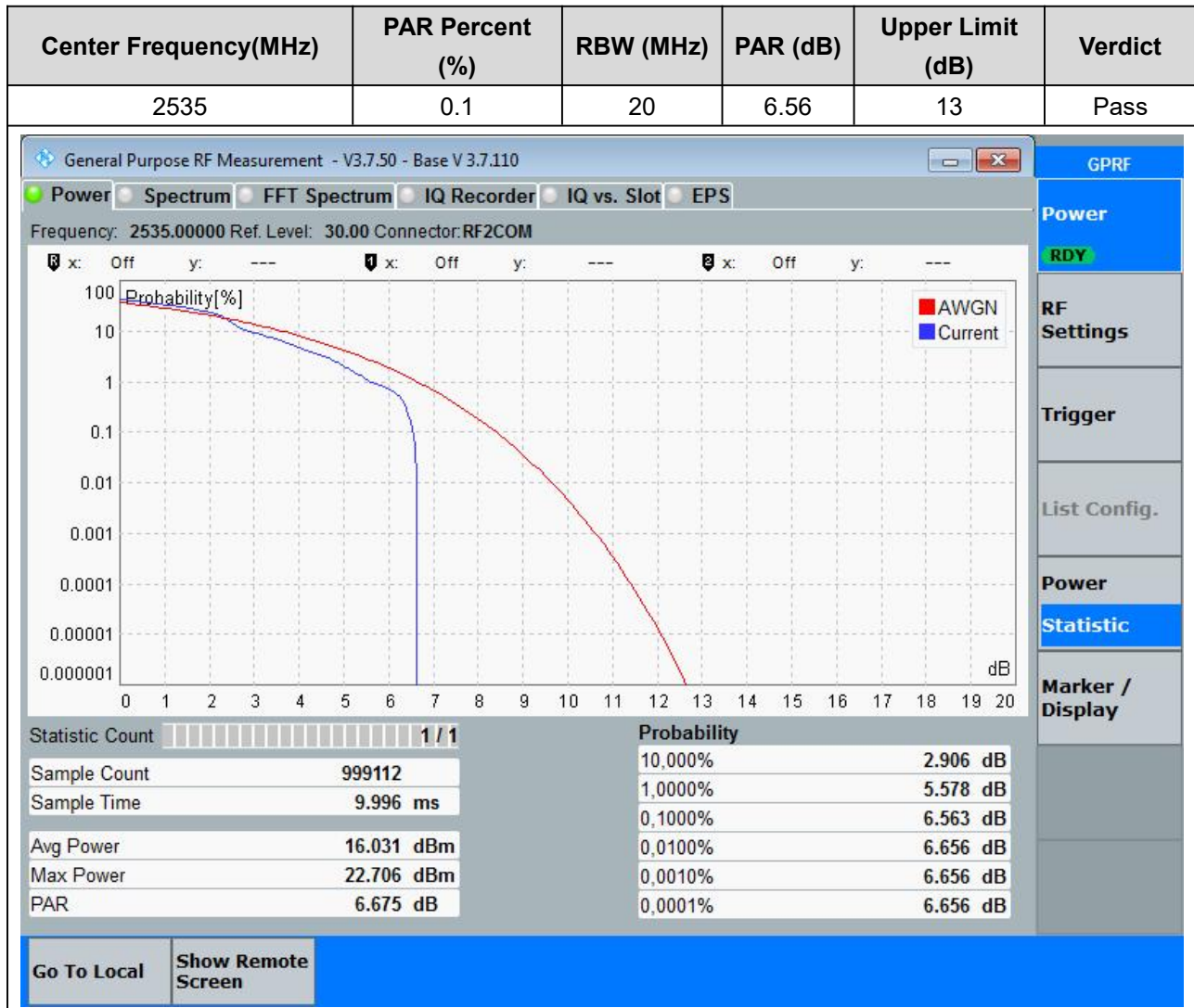
**3.17 Peak to Average Ratio for SA\_Part22-24-27(NTNV)(Channel:507000, Bandwidth:20, SCS:15, OFDM:DFT-s-OFDM, Modulation:64QAM, RB Number:1, RB Position:0)**



**3.18 Peak to Average Ratio for SA\_Part22-24-27(NTNV)(Channel:507000, Bandwidth:20, SCS:15, OFDM:DFT-s-OFDM, Modulation:64QAM, RB Number:100, RB Position:0)**

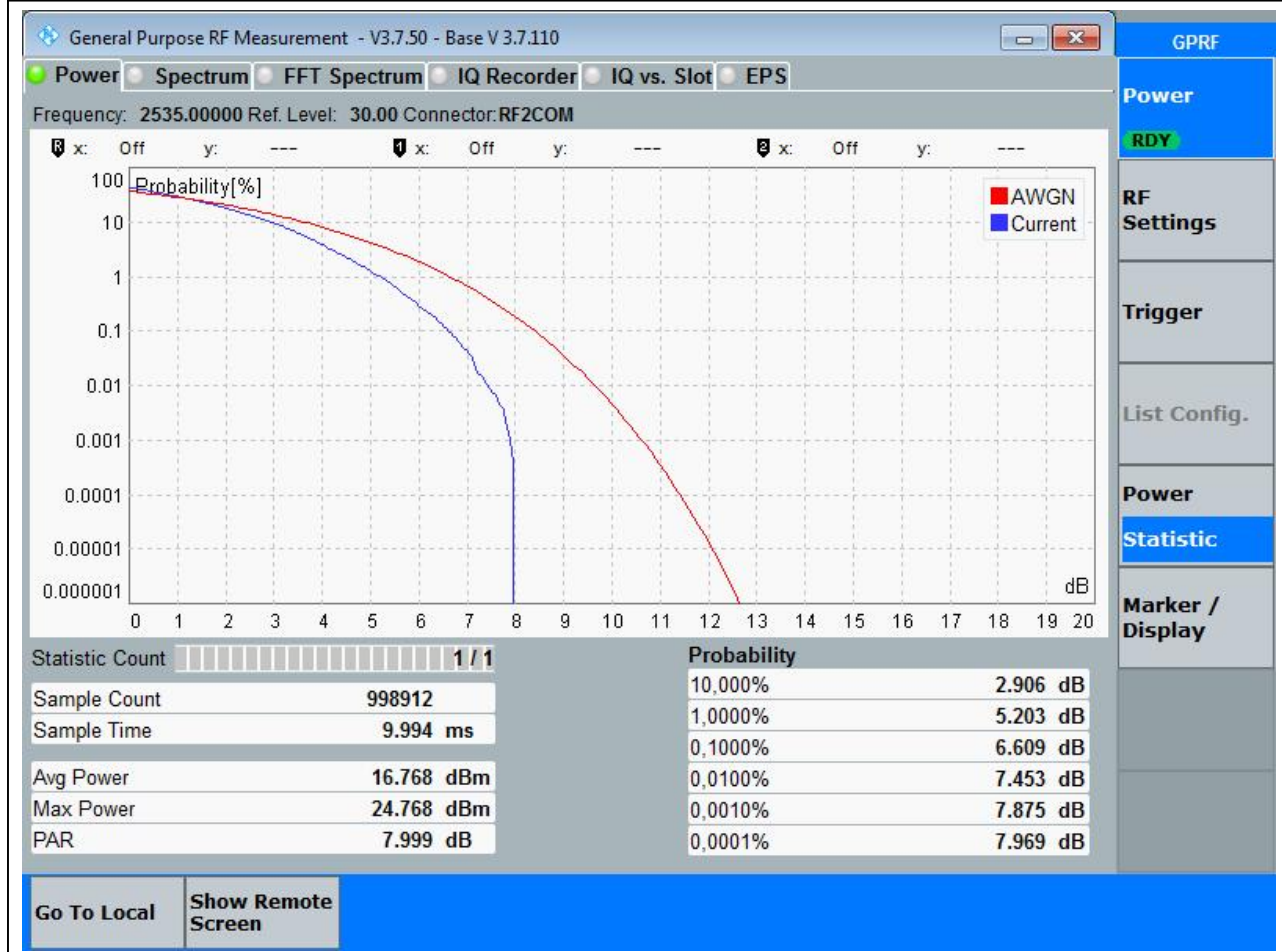


**3.19 Peak to Average Ratio for SA\_Part22-24-27(NTNV)(Channel:507000, Bandwidth:20, SCS:15, OFDM:DFT-s-OFDM, Modulation:256QAM, RB Number:1, RB Position:0)**

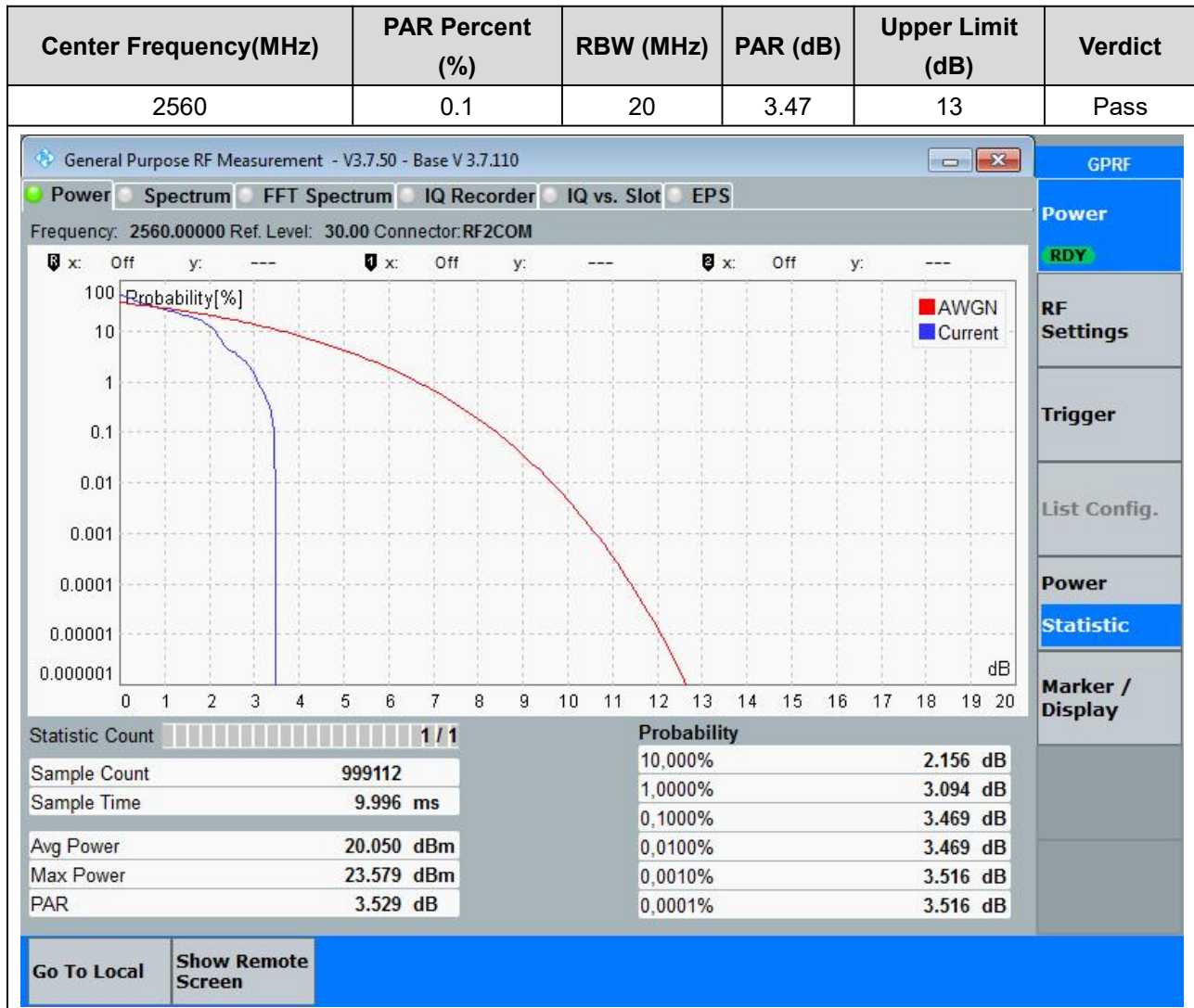


**3.20 Peak to Average Ratio for SA\_Part22-24-27(NTNV)(Channel:507000, Bandwidth:20, SCS:15, OFDM:DFT-s-OFDM, Modulation:256QAM, RB Number:100, RB Position:0)**

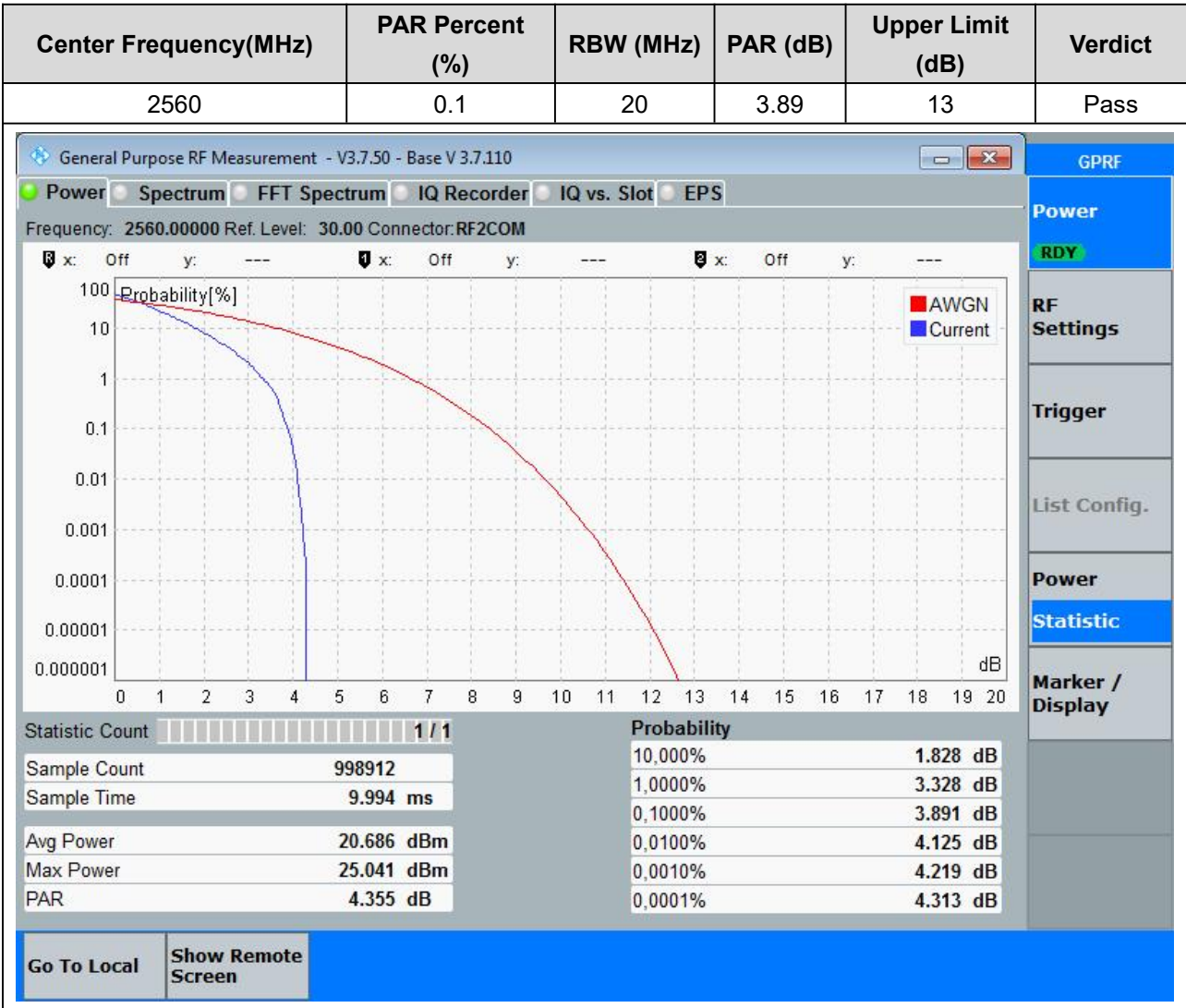
| Center Frequency(MHz) | PAR Percent (%) | RBW (MHz) | PAR (dB) | Upper Limit (dB) | Verdict |
|-----------------------|-----------------|-----------|----------|------------------|---------|
| 2535                  | 0.1             | 20        | 6.61     | 13               | Pass    |



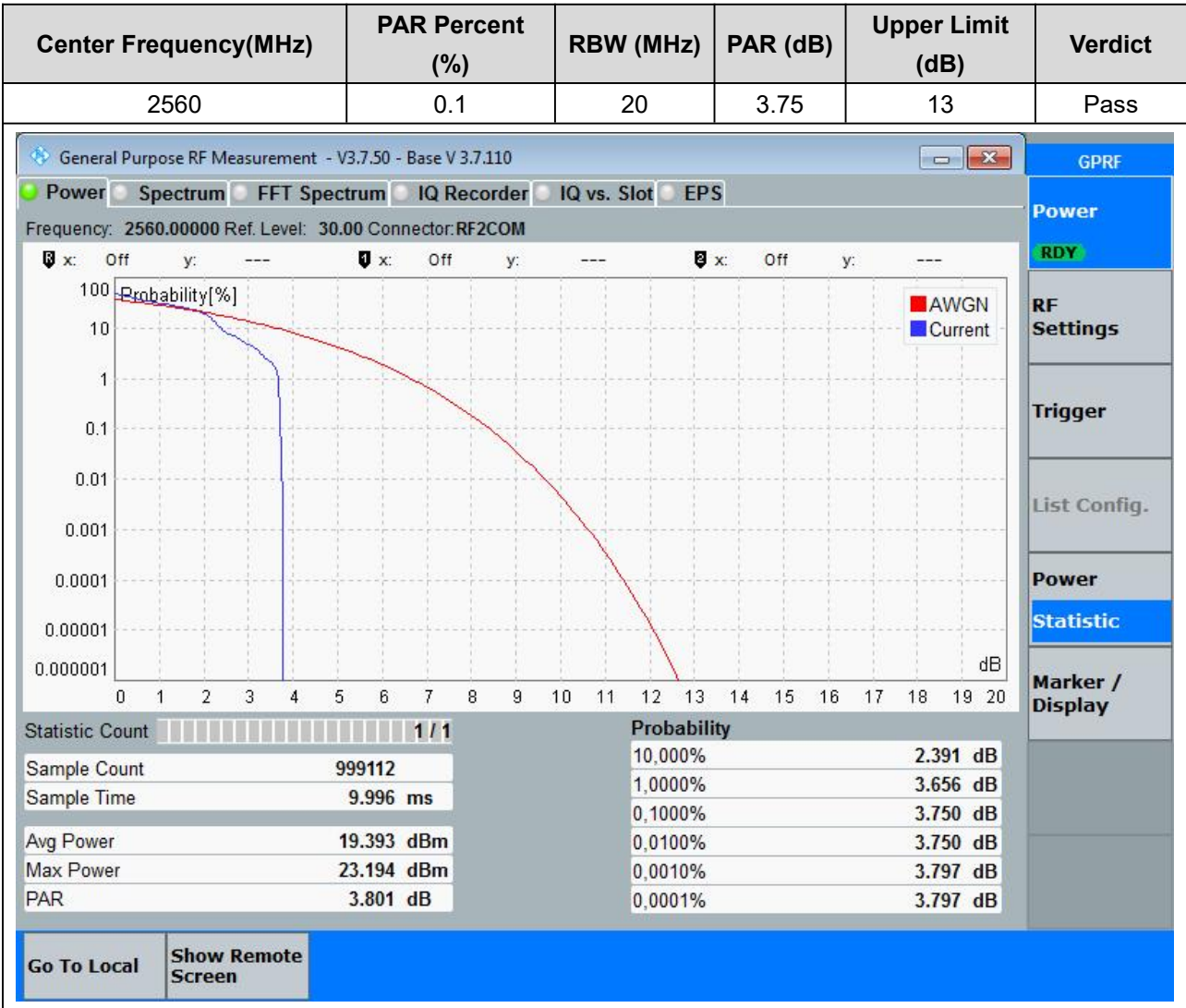
**3.21 Peak to Average Ratio for SA\_Part22-24-27(NTNV)(Channel:512000, Bandwidth:20, SCS:15, OFDM:DFT-s-OFDM, Modulation:Pi/2-BPSK, RB Number:1, RB Position:0)**



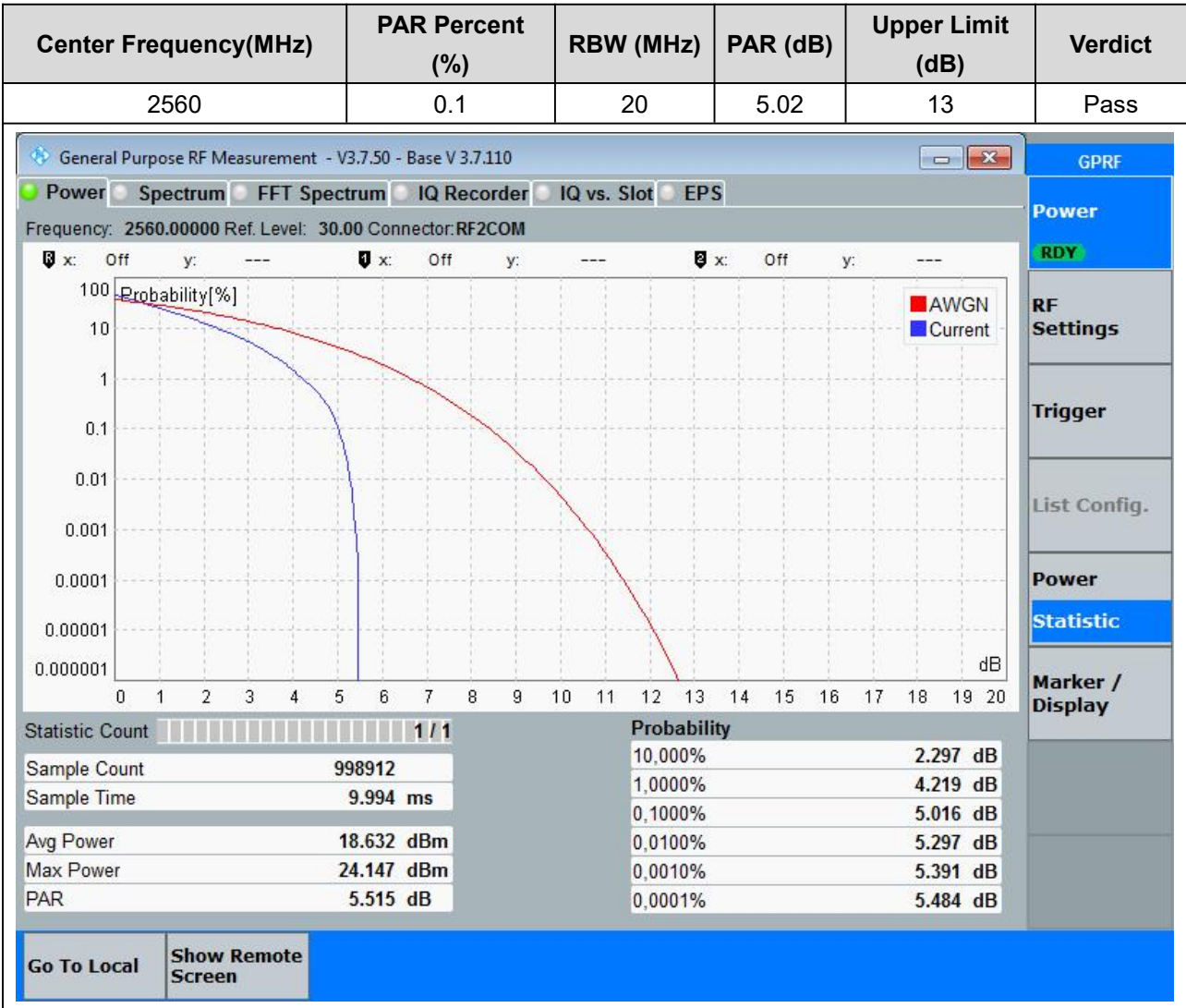
**3.22 Peak to Average Ratio for SA\_Part22-24-27(NTNV)(Channel:512000, Bandwidth:20, SCS:15, OFDM:DFT-s-OFDM, Modulation:Pi/2-BPSK, RB Number:100, RB Position:0)**



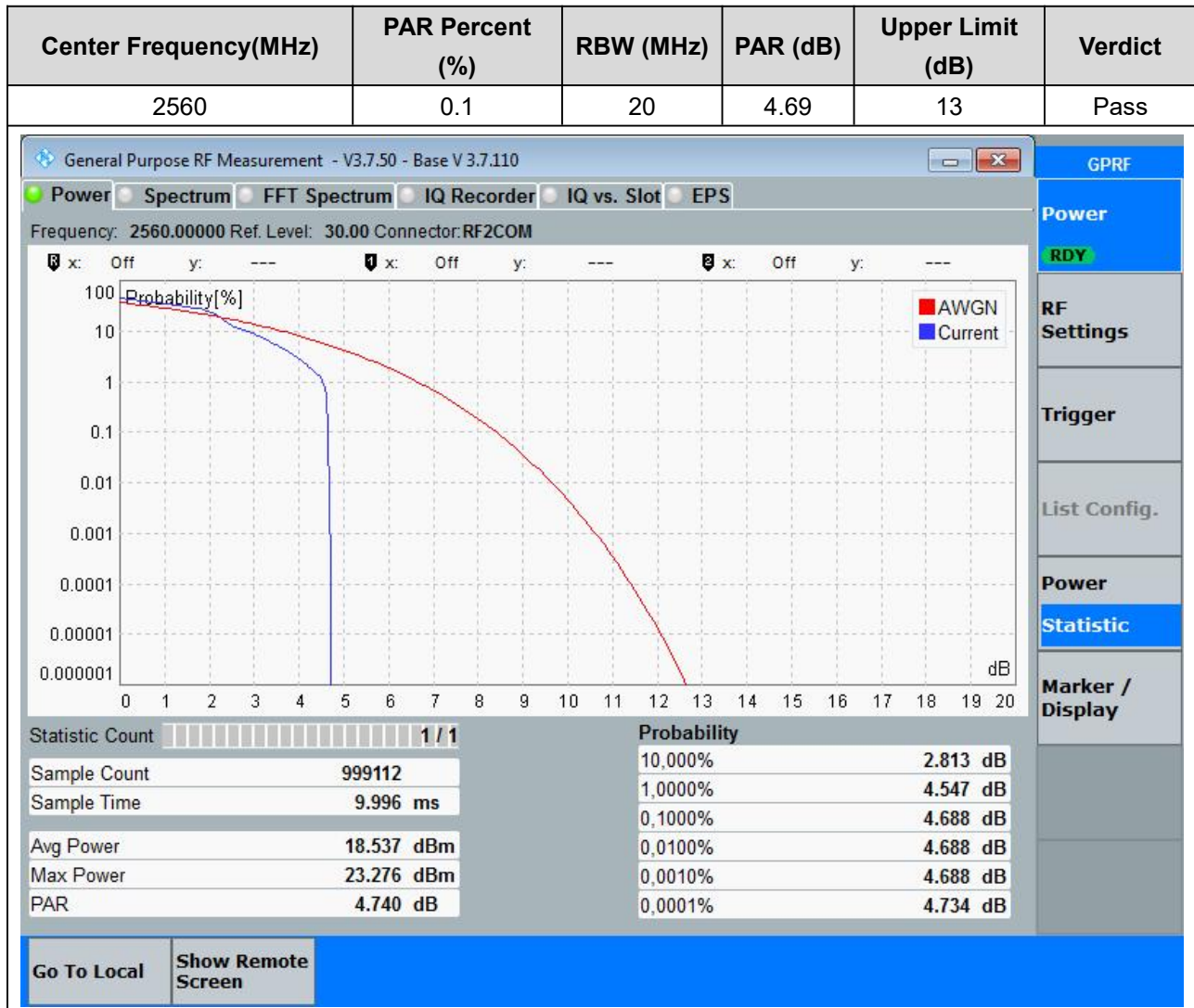
**3.23 Peak to Average Ratio for SA\_Part22-24-27(NTNV)(Channel:512000, Bandwidth:20, SCS:15, OFDM:DFT-s-OFDM, Modulation:QPSK, RB Number:1, RB Position:0)**



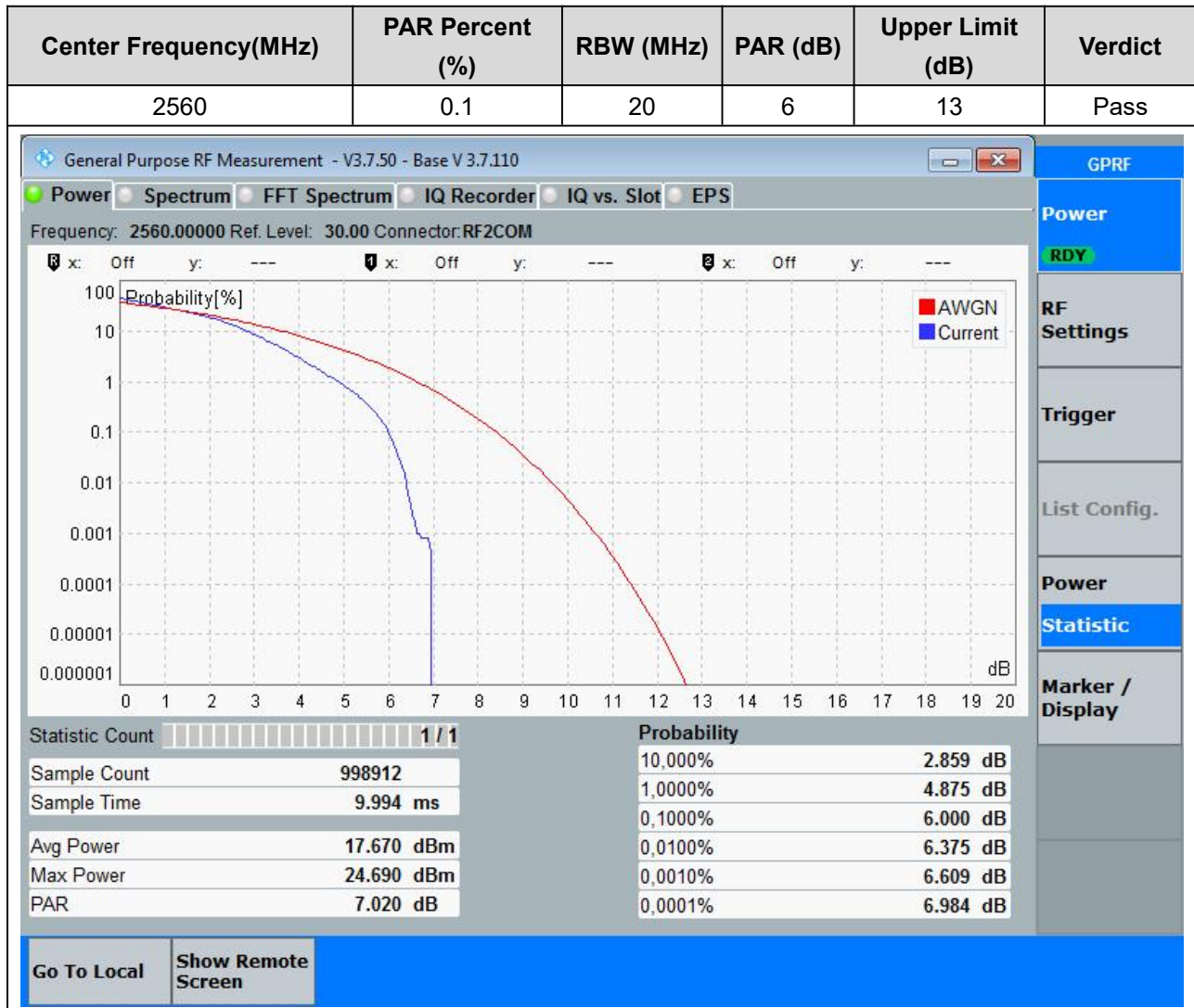
**3.24 Peak to Average Ratio for SA\_Part22-24-27(NTNV)(Channel:512000, Bandwidth:20, SCS:15, OFDM:DFT-s-OFDM, Modulation:QPSK, RB Number:100, RB Position:0)**



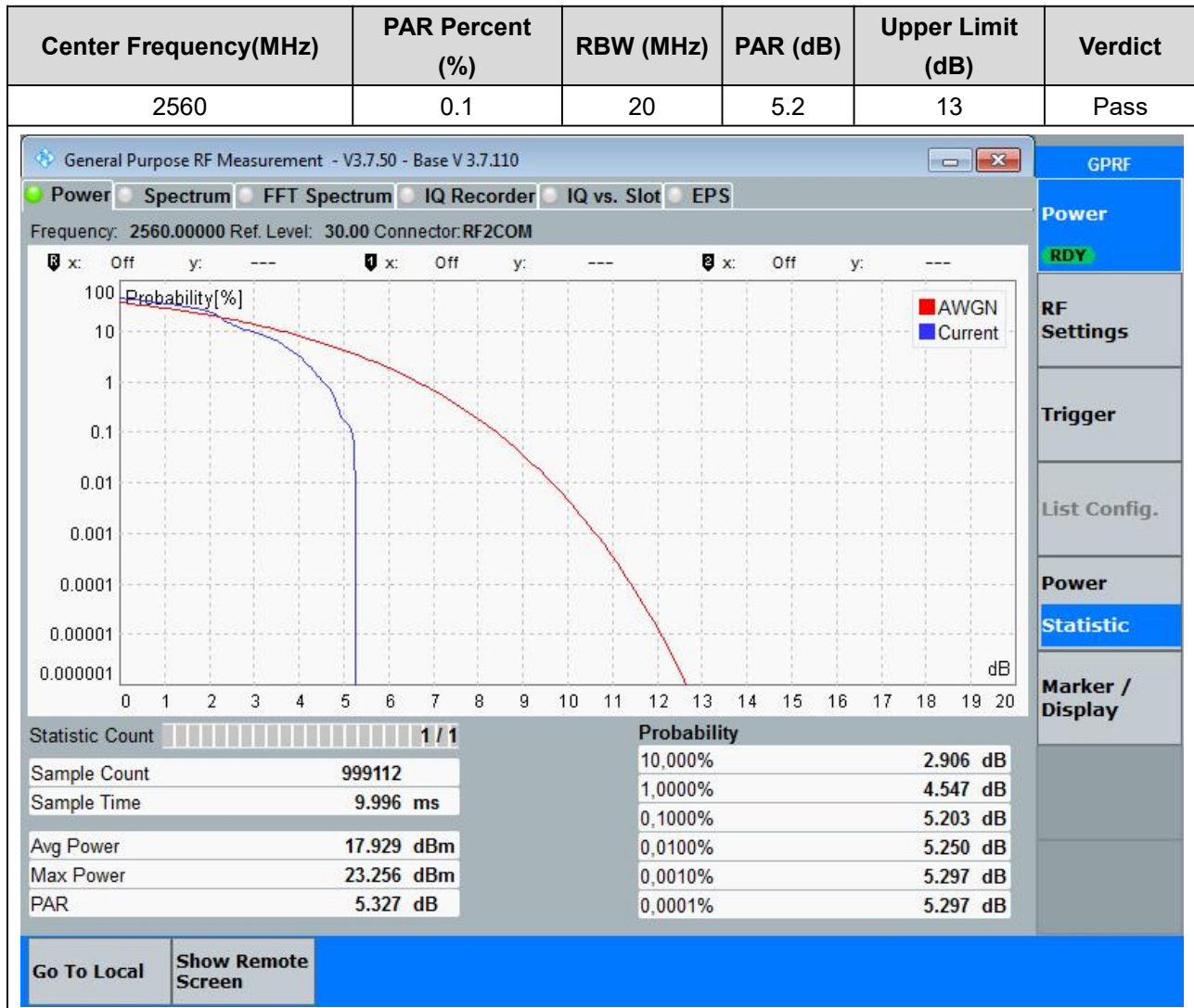
**3.25 Peak to Average Ratio for SA\_Part22-24-27(NTNV)(Channel:512000, Bandwidth:20, SCS:15, OFDM:DFT-s-OFDM, Modulation:16QAM, RB Number:1, RB Position:0)**



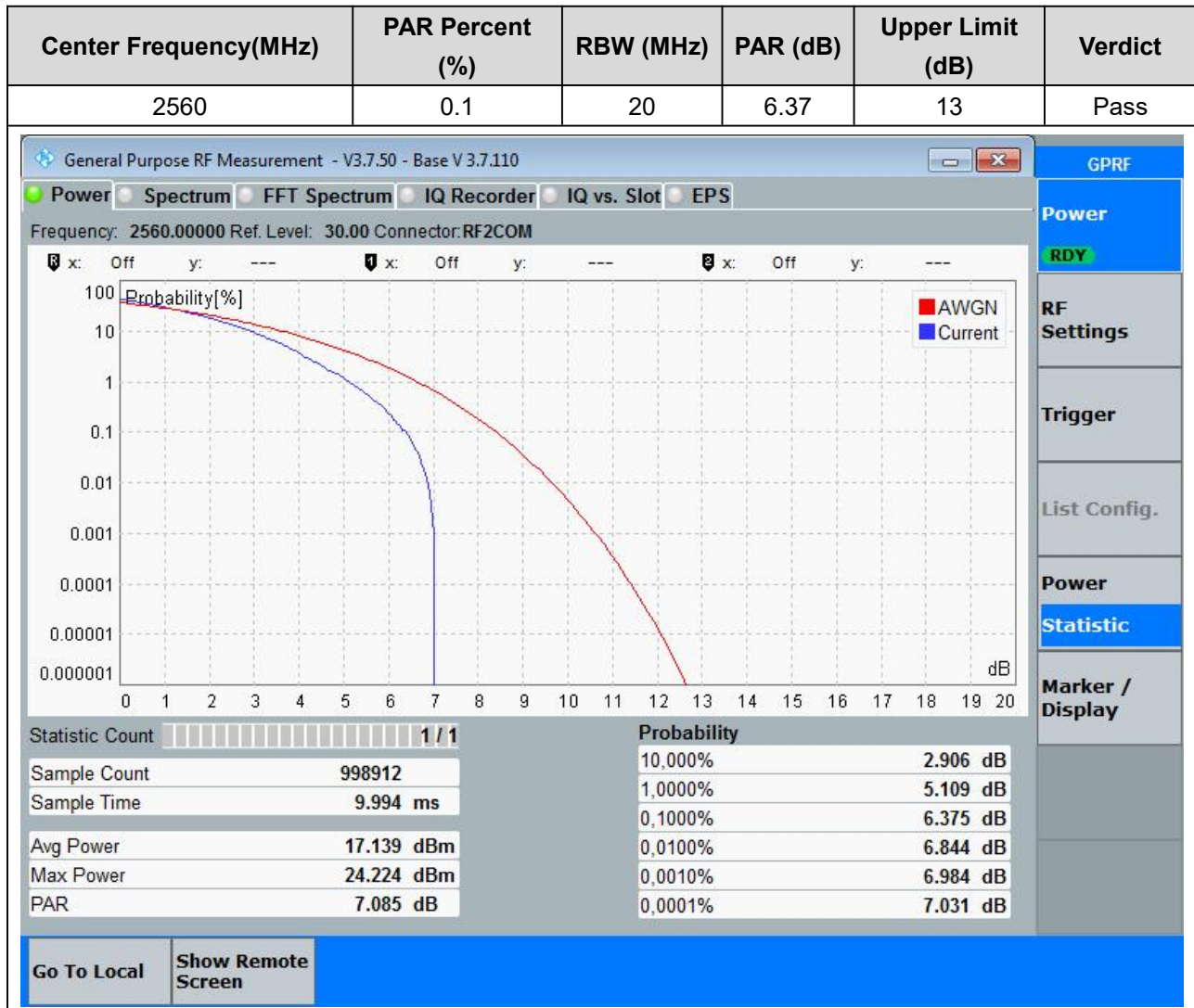
**3.26 Peak to Average Ratio for SA\_Part22-24-27(NTNV)(Channel:512000, Bandwidth:20, SCS:15, OFDM:DFT-s-OFDM, Modulation:16QAM, RB Number:100, RB Position:0)**



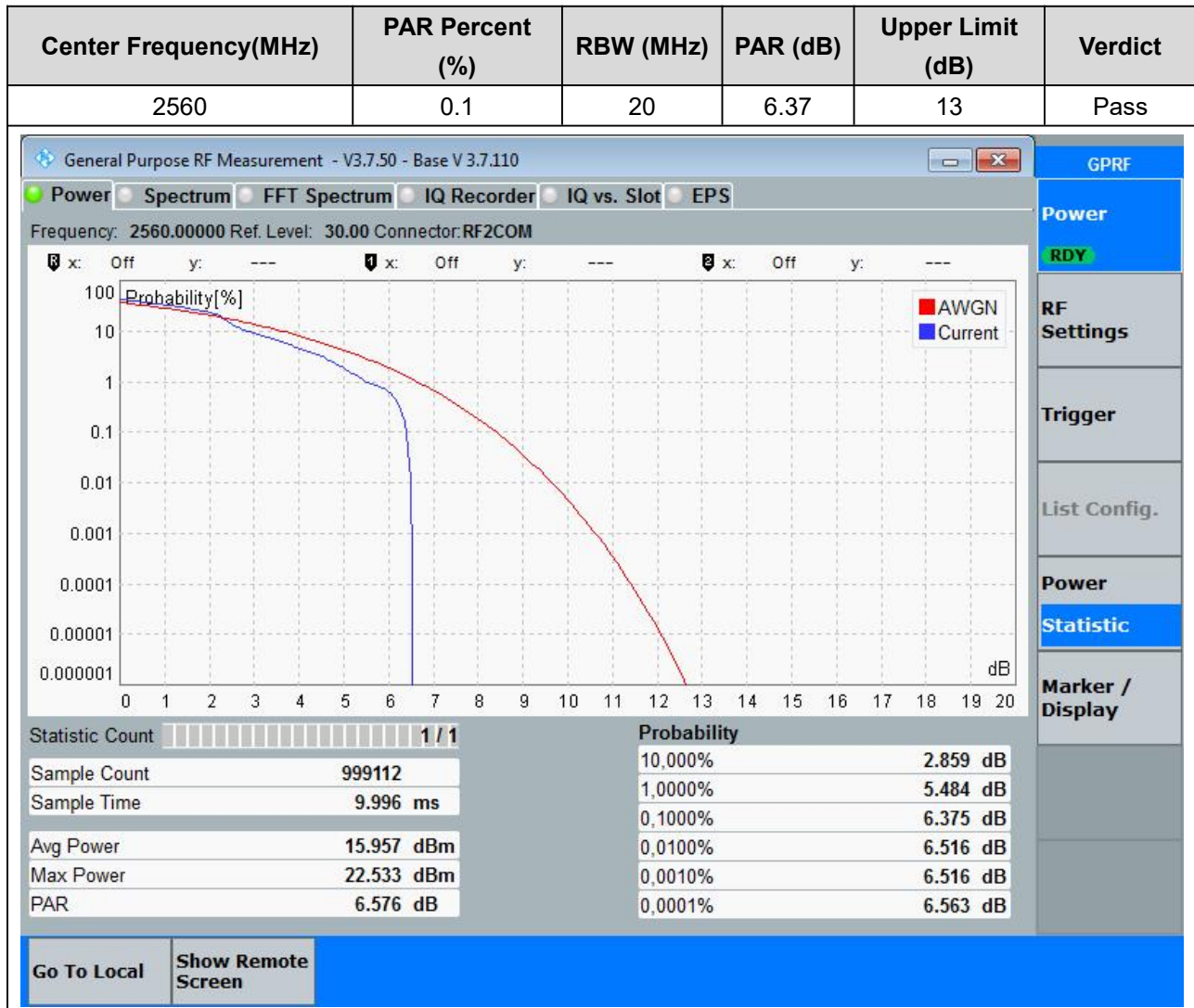
**3.27 Peak to Average Ratio for SA\_Part22-24-27(NTNV)(Channel:512000, Bandwidth:20, SCS:15, OFDM:DFT-s-OFDM, Modulation:64QAM, RB Number:1, RB Position:0)**



**3.28 Peak to Average Ratio for SA\_Part22-24-27(NTNV)(Channel:512000, Bandwidth:20, SCS:15, OFDM:DFT-s-OFDM, Modulation:64QAM, RB Number:100, RB Position:0)**



**3.29 Peak to Average Ratio for SA\_Part22-24-27(NTNV)(Channel:512000, Bandwidth:20, SCS:15, OFDM:DFT-s-OFDM, Modulation:256QAM, RB Number:1, RB Position:0)**

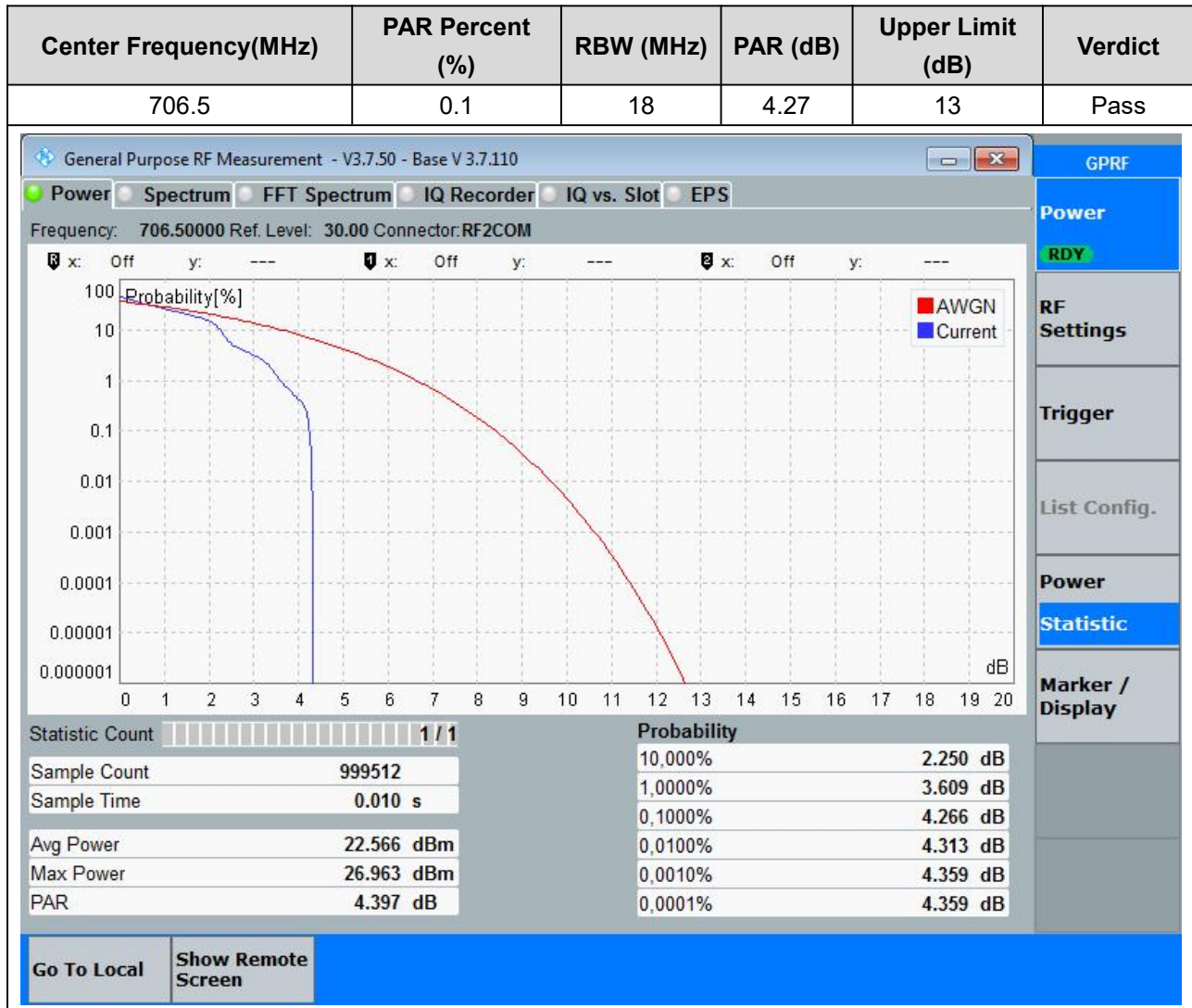


**3.30 Peak to Average Ratio for SA\_Part22-24-27(NTNV)(Channel:512000, Bandwidth:20, SCS:15, OFDM:DFT-s-OFDM, Modulation:256QAM, RB Number:100, RB Position:0)**



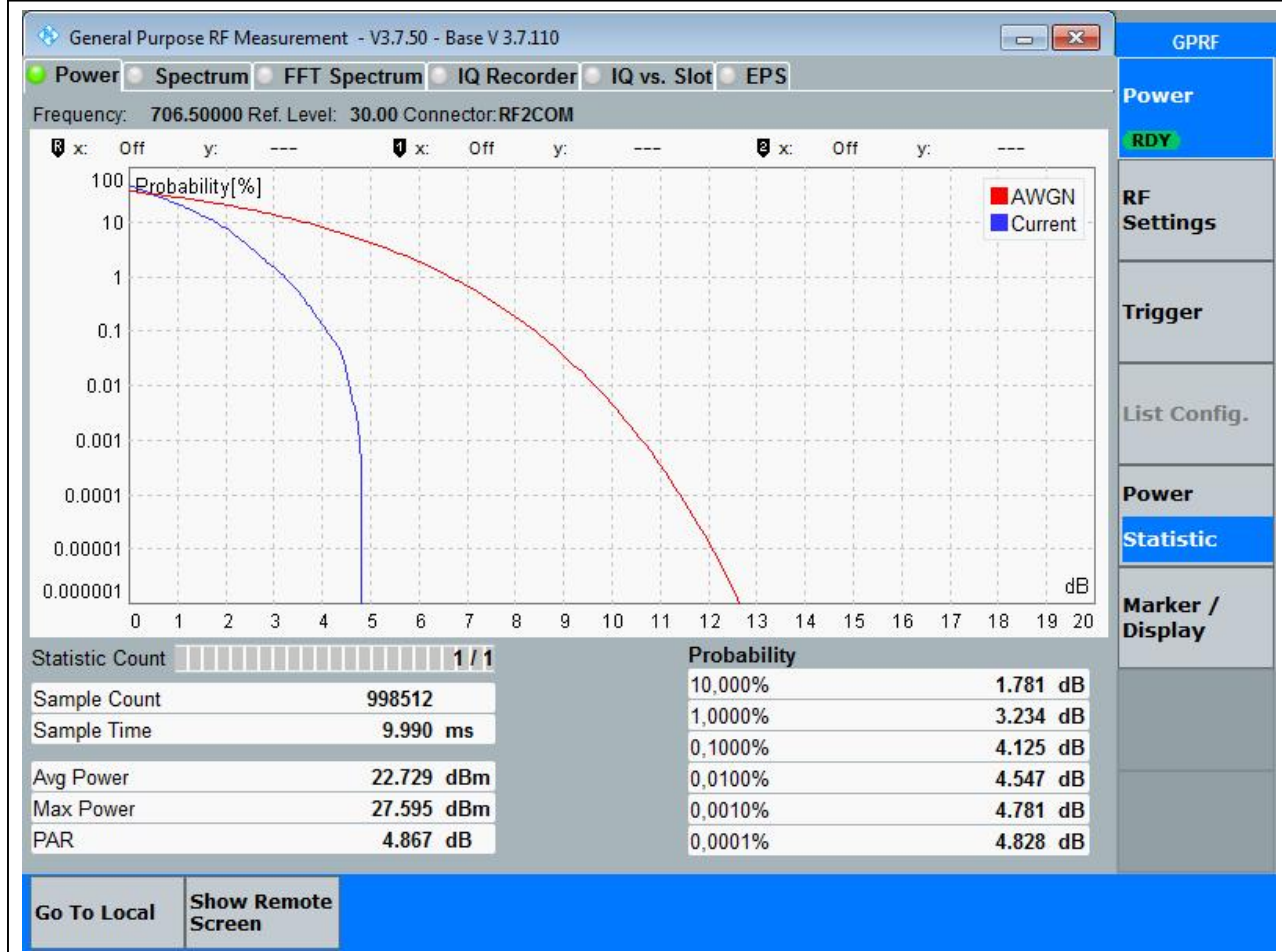
## 4. n12 15kHz

**4.1 Peak to Average Ratio for SA\_Part22-24-27(NTNV)(Channel:141300, Bandwidth:15, SCS:15, OFDM:DFT-s-OFDM, Modulation:Pi/2-BPSK, RB Number:1, RB Position:0)**

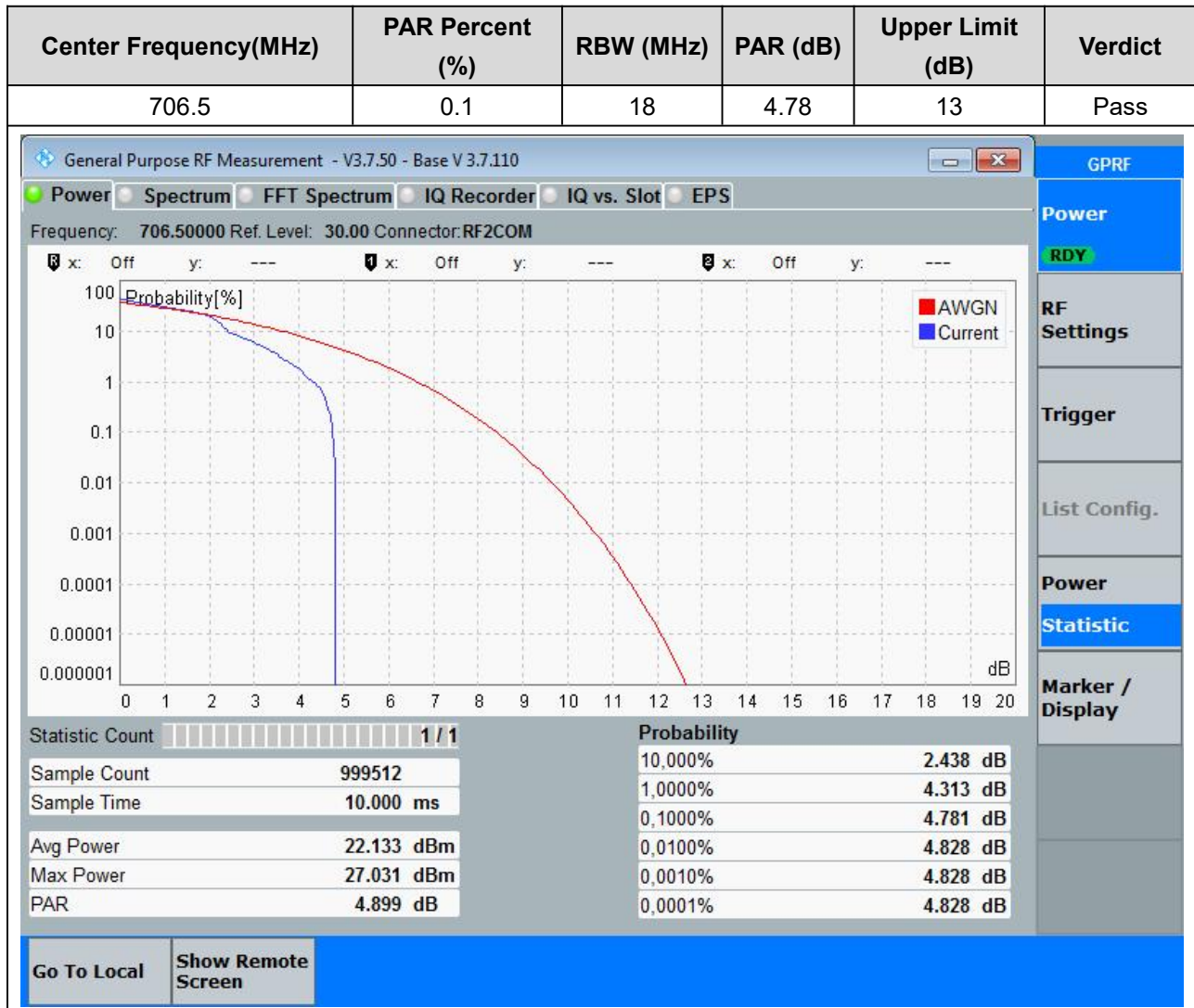


**4.2 Peak to Average Ratio for SA\_Part22-24-27(NTNV)(Channel:141300, Bandwidth:15, SCS:15, OFDM:DFT-s-OFDM, Modulation:Pi/2-BPSK, RB Number:75, RB Position:0)**

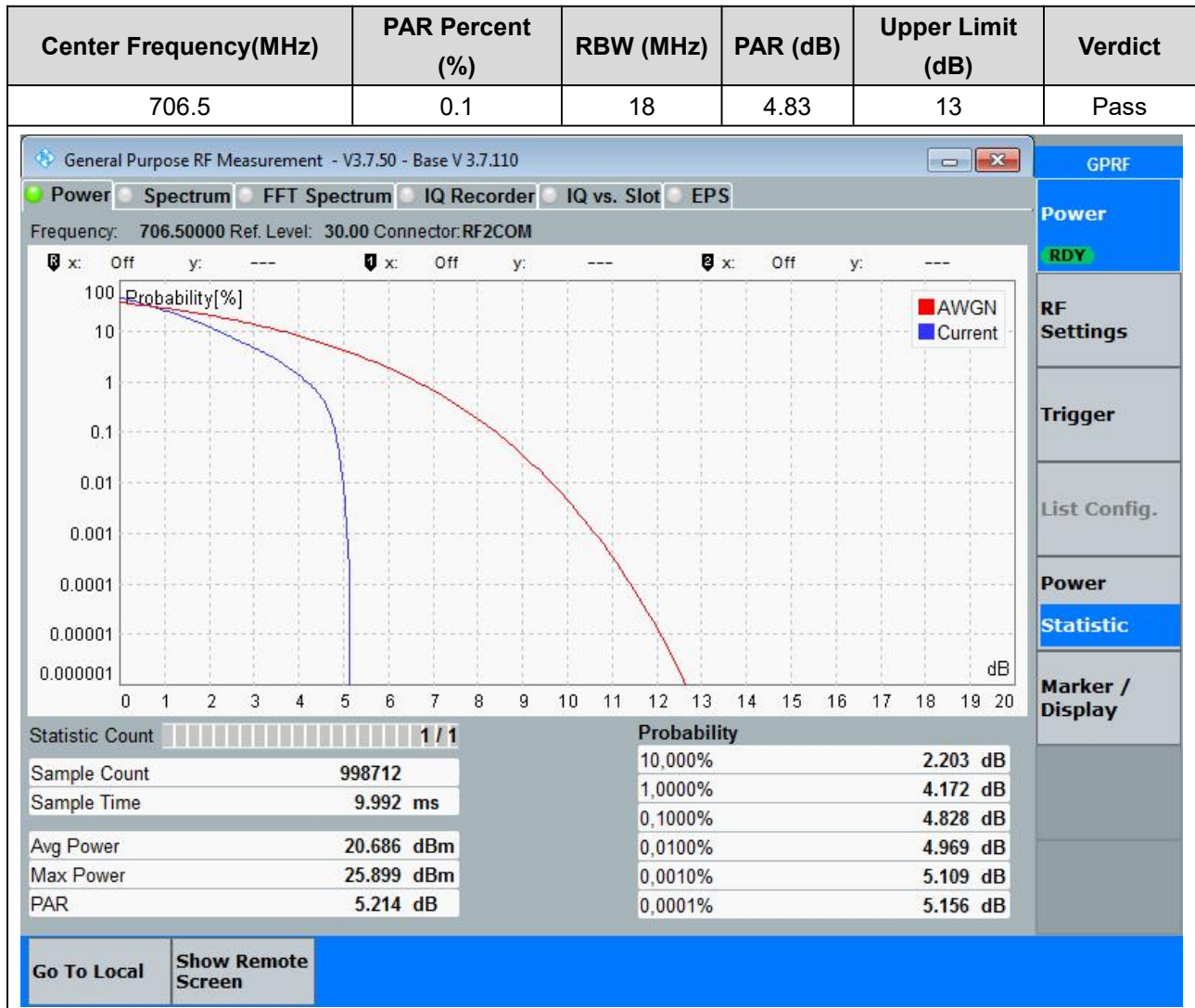
| Center Frequency(MHz) | PAR Percent (%) | RBW (MHz) | PAR (dB) | Upper Limit (dB) | Verdict |
|-----------------------|-----------------|-----------|----------|------------------|---------|
| 706.5                 | 0.1             | 18        | 4.12     | 13               | Pass    |



#### 4.3 Peak to Average Ratio for SA\_Part22-24-27(NTNV)(Channel:141300, Bandwidth:15, SCS:15, OFDM:DFT-s-OFDM, Modulation:QPSK, RB Number:1, RB Position:0)

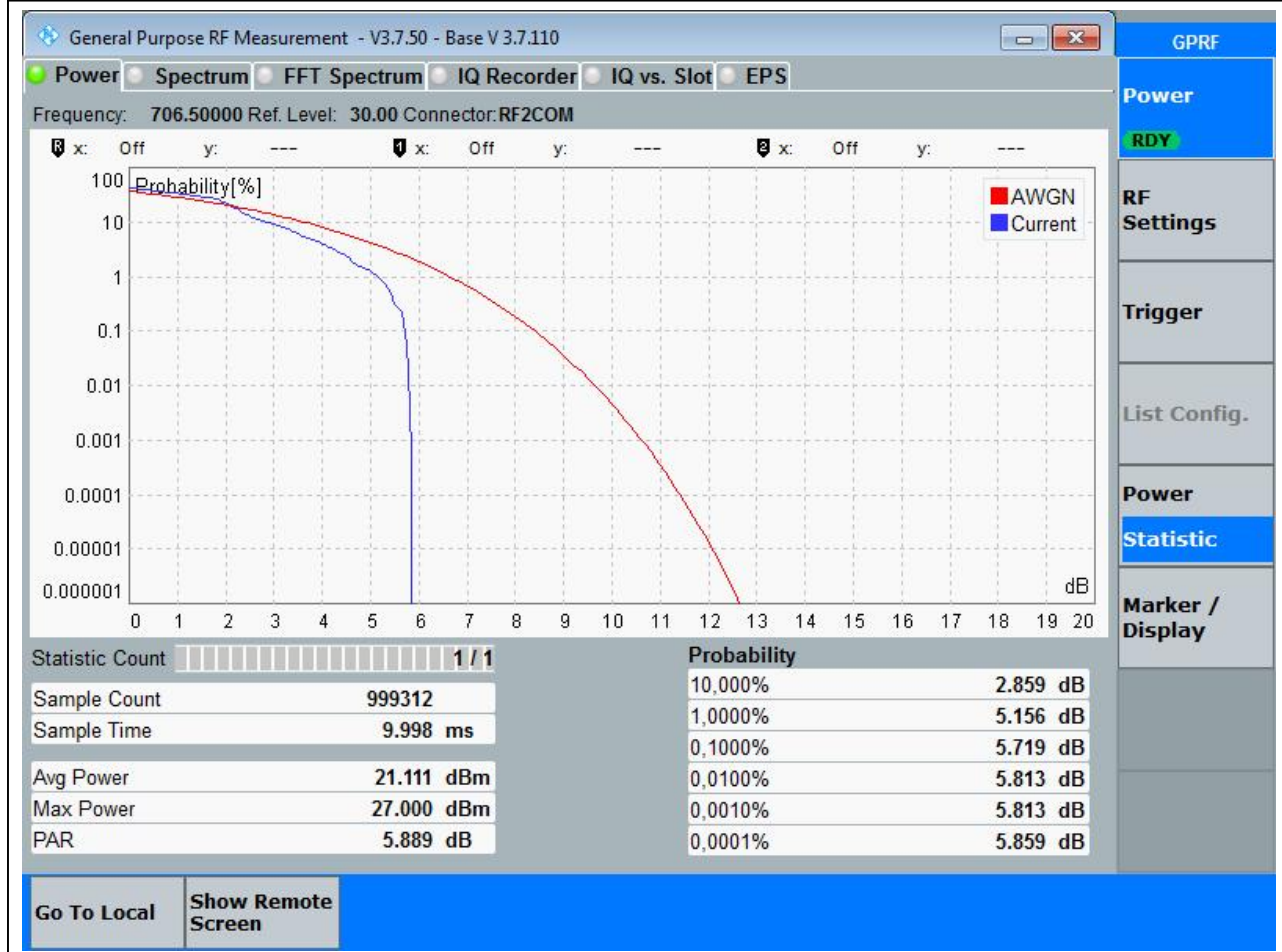


#### 4.4 Peak to Average Ratio for SA\_Part22-24-27(NTNV)(Channel:141300, Bandwidth:15, SCS:15, OFDM:DFT-s-OFDM, Modulation:QPSK, RB Number:75, RB Position:0)

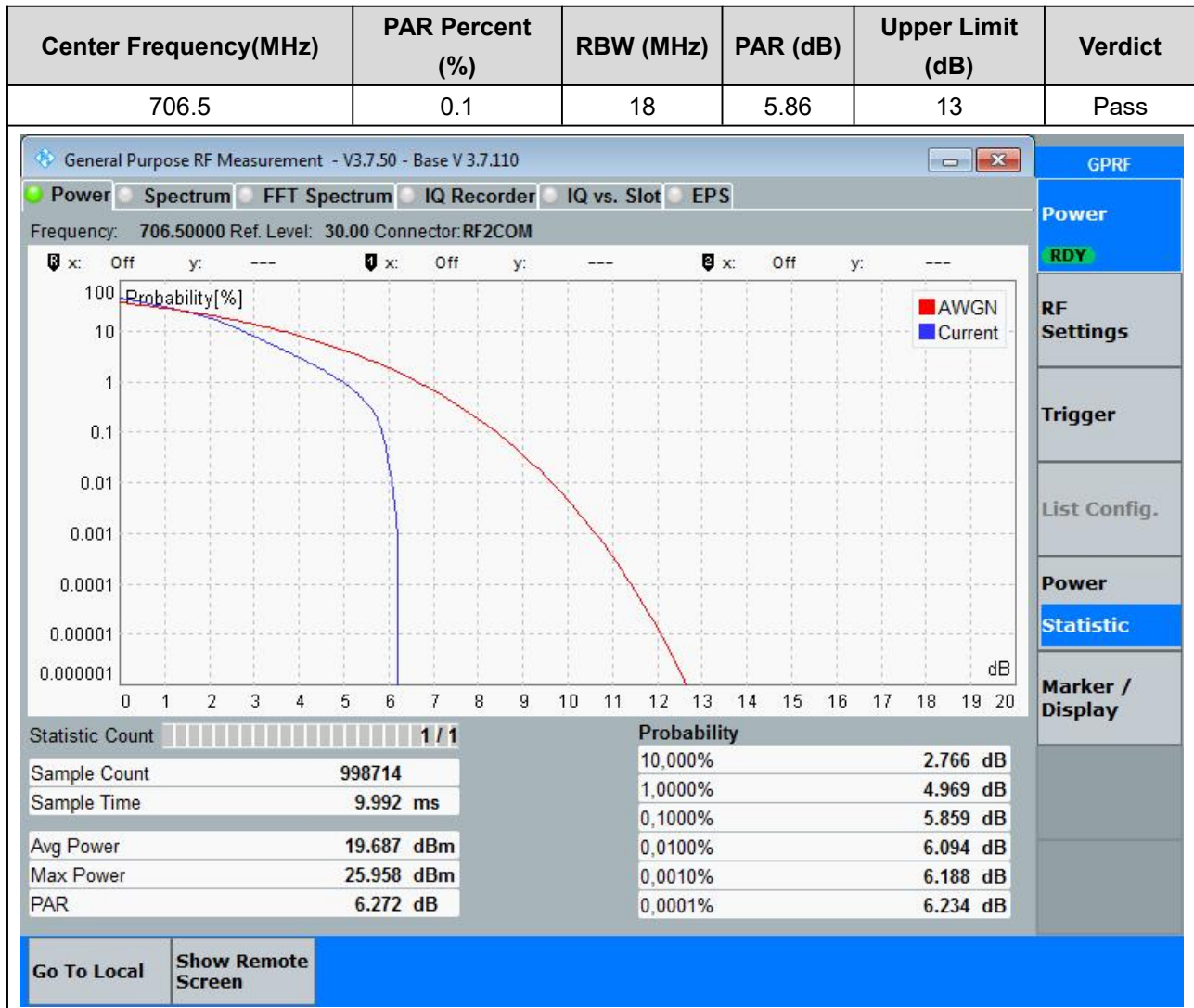


**4.5 Peak to Average Ratio for SA\_Part22-24-27(NTNV)(Channel:141300, Bandwidth:15, SCS:15, OFDM:DFT-s-OFDM, Modulation:16QAM, RB Number:1, RB Position:0)**

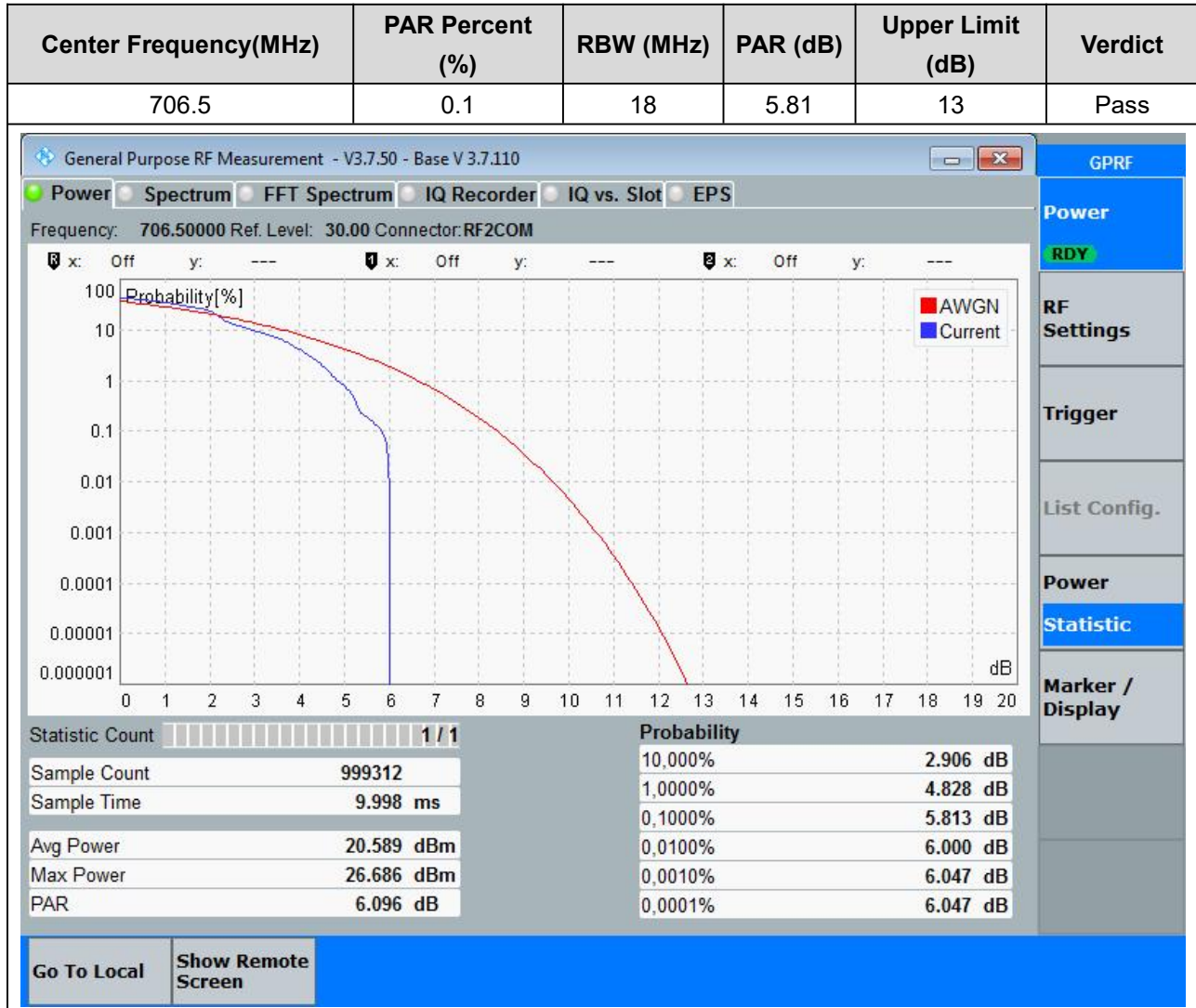
| Center Frequency(MHz) | PAR Percent (%) | RBW (MHz) | PAR (dB) | Upper Limit (dB) | Verdict |
|-----------------------|-----------------|-----------|----------|------------------|---------|
| 706.5                 | 0.1             | 18        | 5.72     | 13               | Pass    |



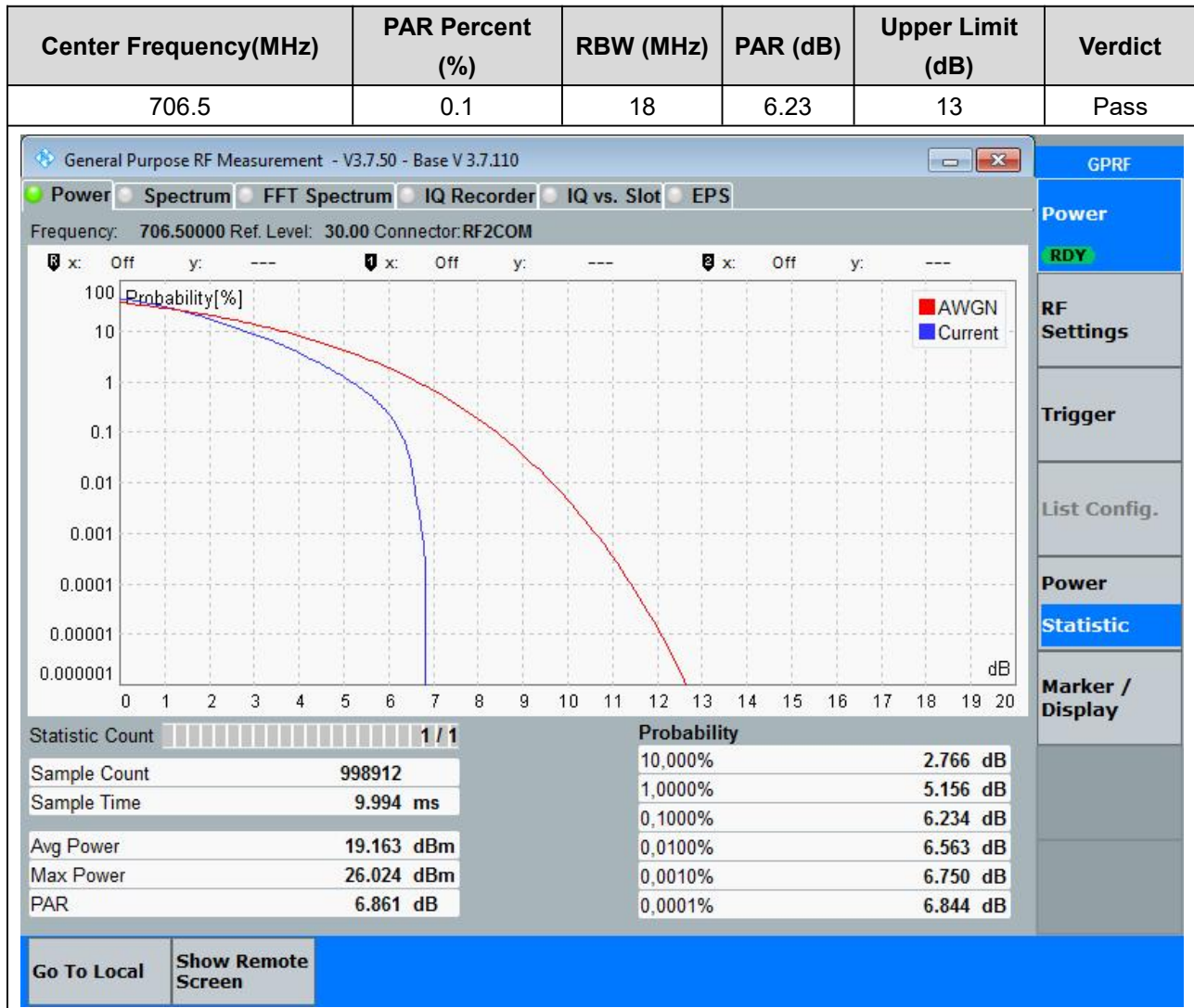
**4.6 Peak to Average Ratio for SA\_Part22-24-27(NTNV)(Channel:141300, Bandwidth:15, SCS:15, OFDM:DFT-s-OFDM, Modulation:16QAM, RB Number:75, RB Position:0)**



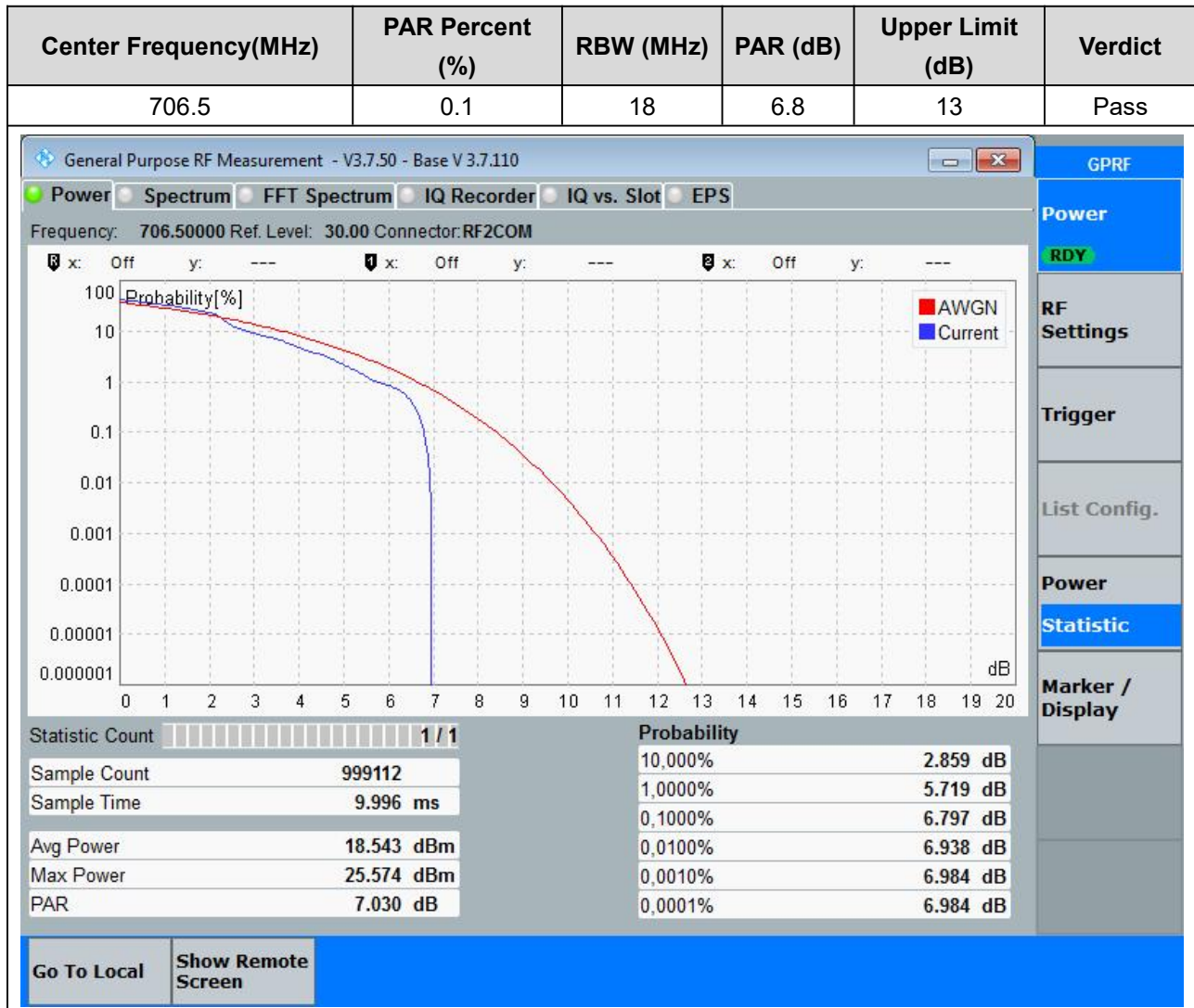
**4.7 Peak to Average Ratio for SA\_Part22-24-27(NTNV)(Channel:141300, Bandwidth:15, SCS:15, OFDM:DFT-s-OFDM, Modulation:64QAM, RB Number:1, RB Position:0)**



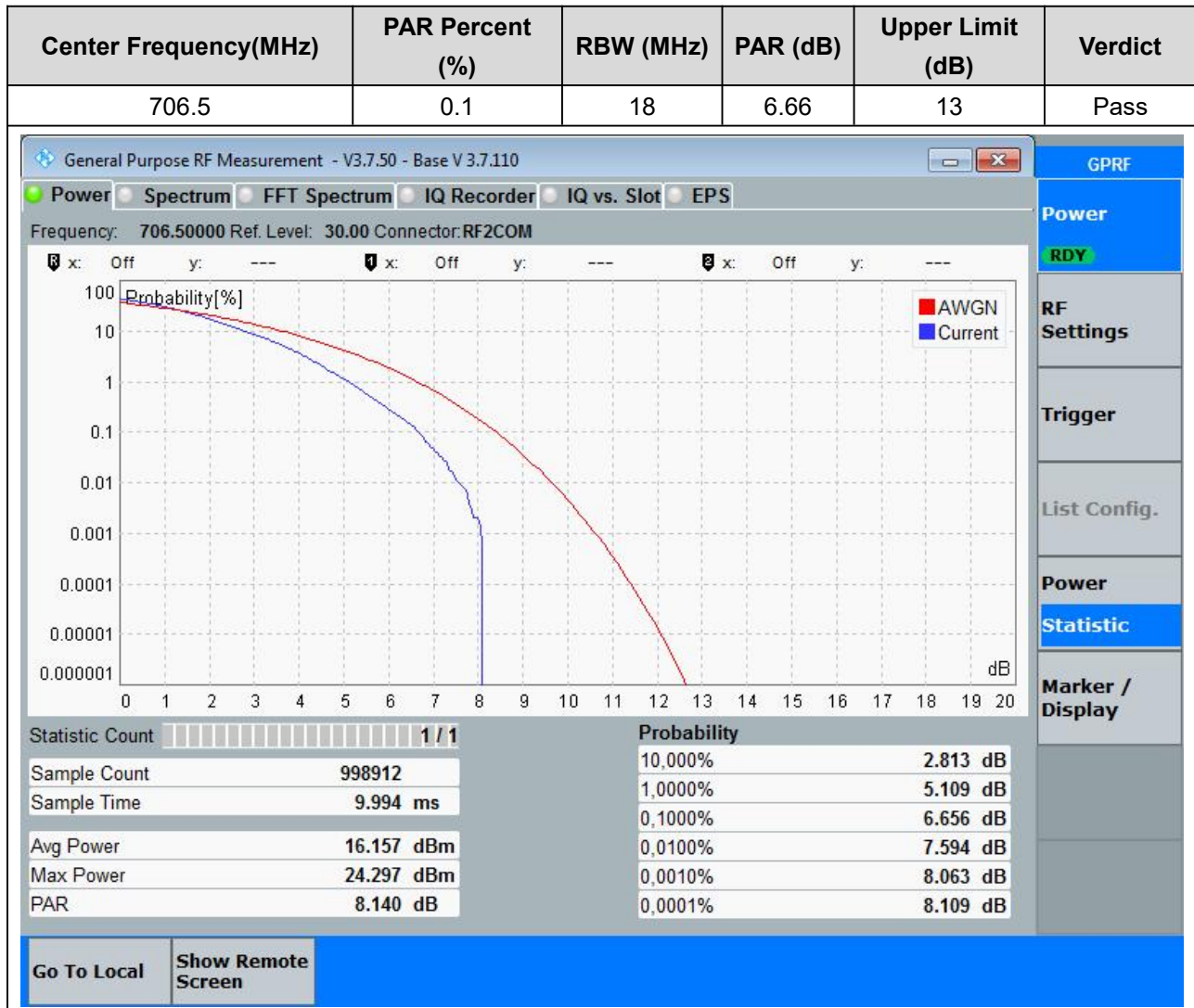
**4.8 Peak to Average Ratio for SA\_Part22-24-27(NTNV)(Channel:141300, Bandwidth:15, SCS:15, OFDM:DFT-s-OFDM, Modulation:64QAM, RB Number:75, RB Position:0)**



**4.9 Peak to Average Ratio for SA\_Part22-24-27(NTNV)(Channel:141300, Bandwidth:15, SCS:15, OFDM:DFT-s-OFDM, Modulation:256QAM, RB Number:1, RB Position:0)**

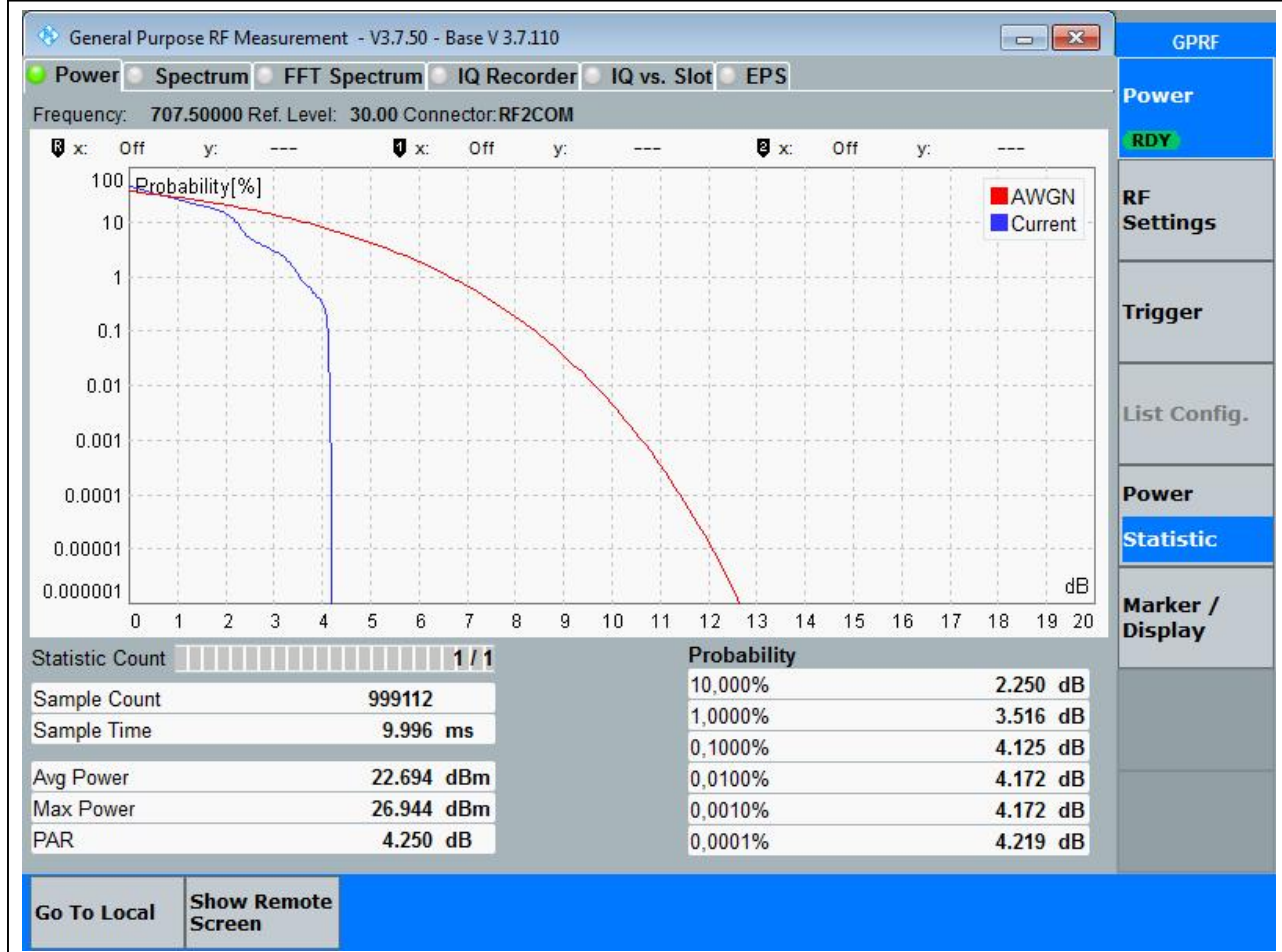


**4.10 Peak to Average Ratio for SA\_Part22-24-27(NTNV)(Channel:141300, Bandwidth:15, SCS:15, OFDM:DFT-s-OFDM, Modulation:256QAM, RB Number:75, RB Position:0)**



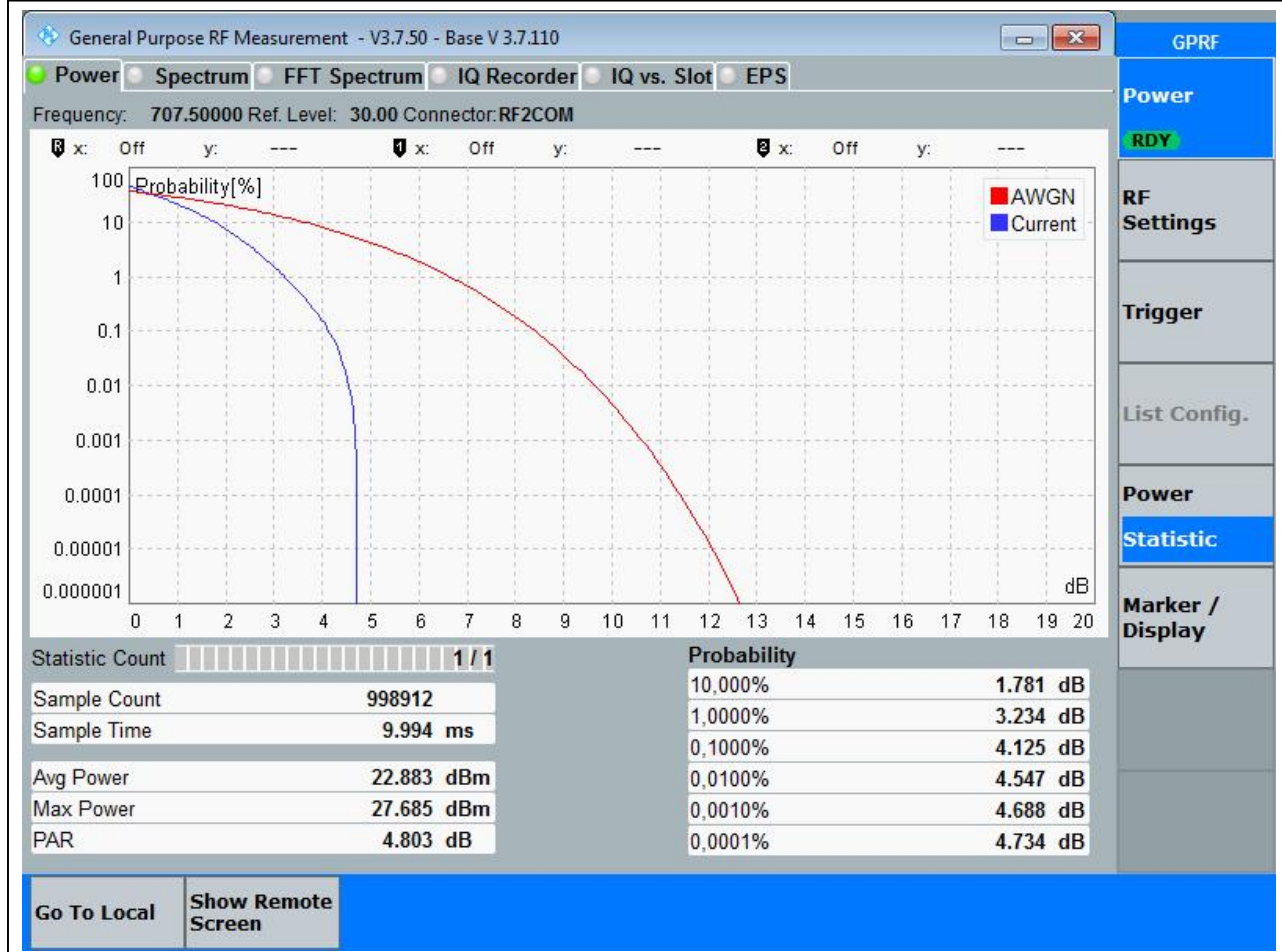
**4.11 Peak to Average Ratio for SA\_Part22-24-27(NTNV)(Channel:141500, Bandwidth:15, SCS:15, OFDM:DFT-s-OFDM, Modulation:Pi/2-BPSK, RB Number:1, RB Position:0)**

| Center Frequency(MHz) | PAR Percent (%) | RBW (MHz) | PAR (dB) | Upper Limit (dB) | Verdict |
|-----------------------|-----------------|-----------|----------|------------------|---------|
| 707.5                 | 0.1             | 18        | 4.12     | 13               | Pass    |

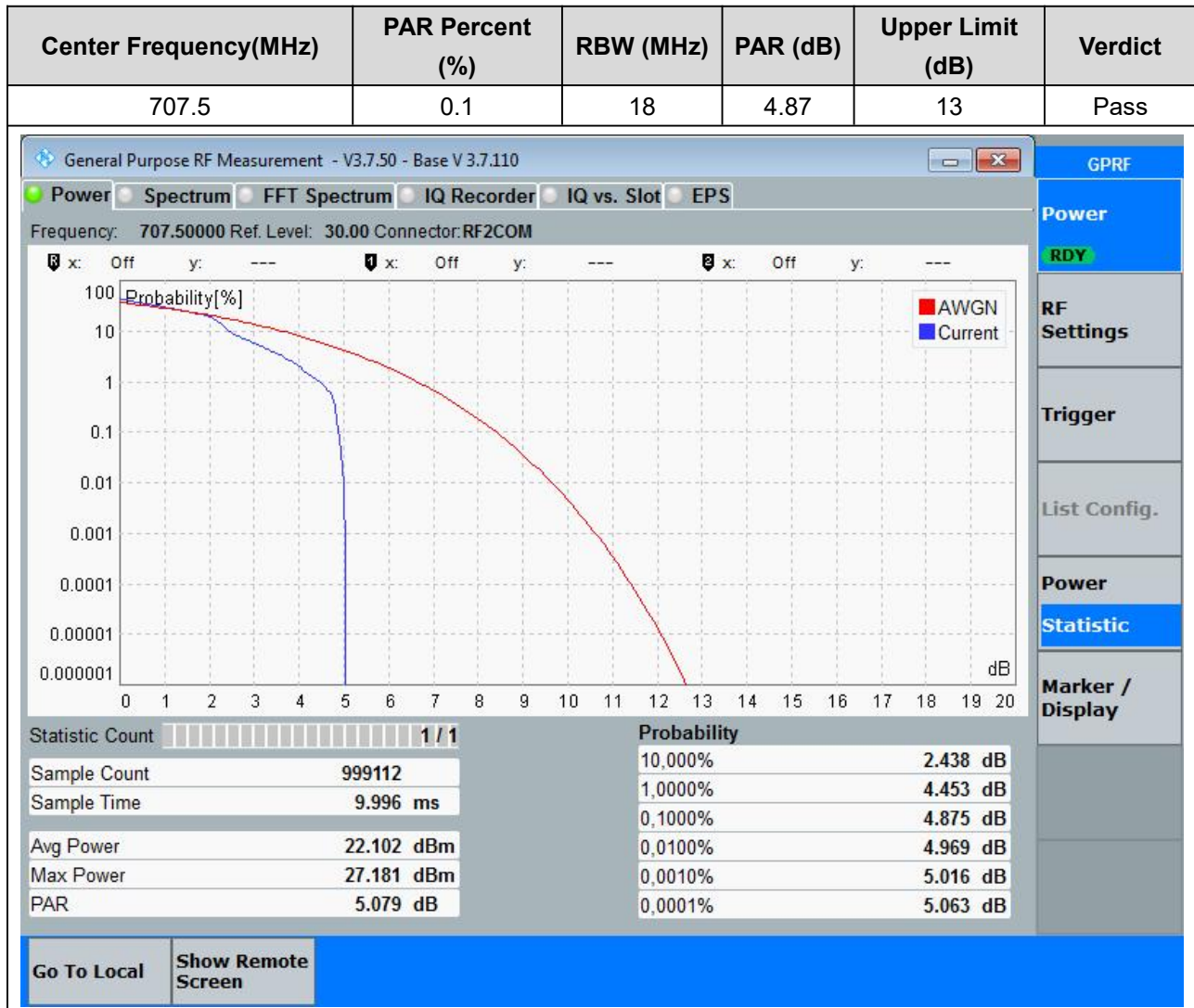


**4.12 Peak to Average Ratio for SA\_Part22-24-27(NTNV)(Channel:141500, Bandwidth:15, SCS:15, OFDM:DFT-s-OFDM, Modulation:Pi/2-BPSK, RB Number:75, RB Position:0)**

| Center Frequency(MHz) | PAR Percent (%) | RBW (MHz) | PAR (dB) | Upper Limit (dB) | Verdict |
|-----------------------|-----------------|-----------|----------|------------------|---------|
| 707.5                 | 0.1             | 18        | 4.12     | 13               | Pass    |

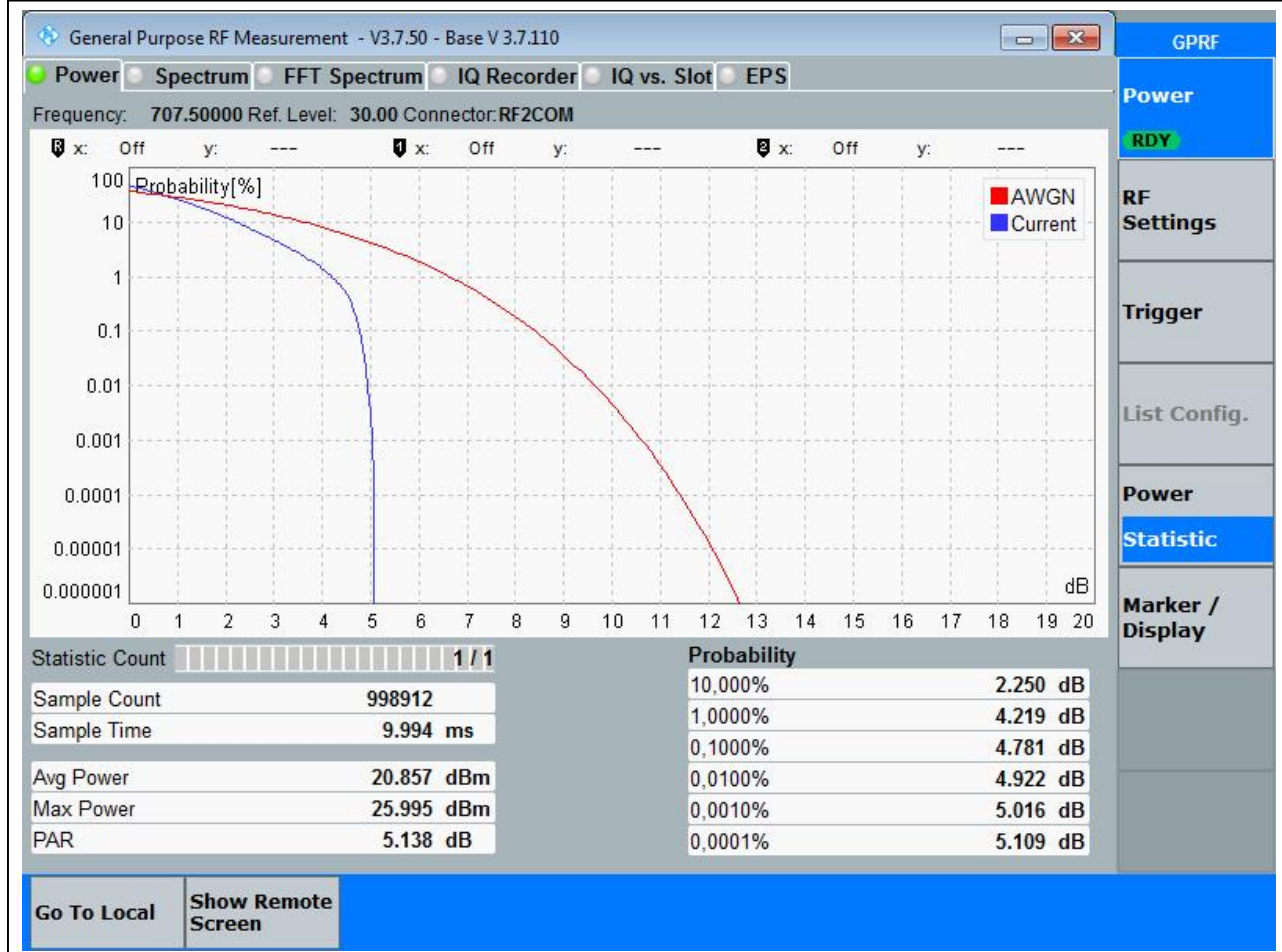


**4.13 Peak to Average Ratio for SA\_Part22-24-27(NTNV)(Channel:141500, Bandwidth:15, SCS:15, OFDM:DFT-s-OFDM, Modulation:QPSK, RB Number:1, RB Position:0)**



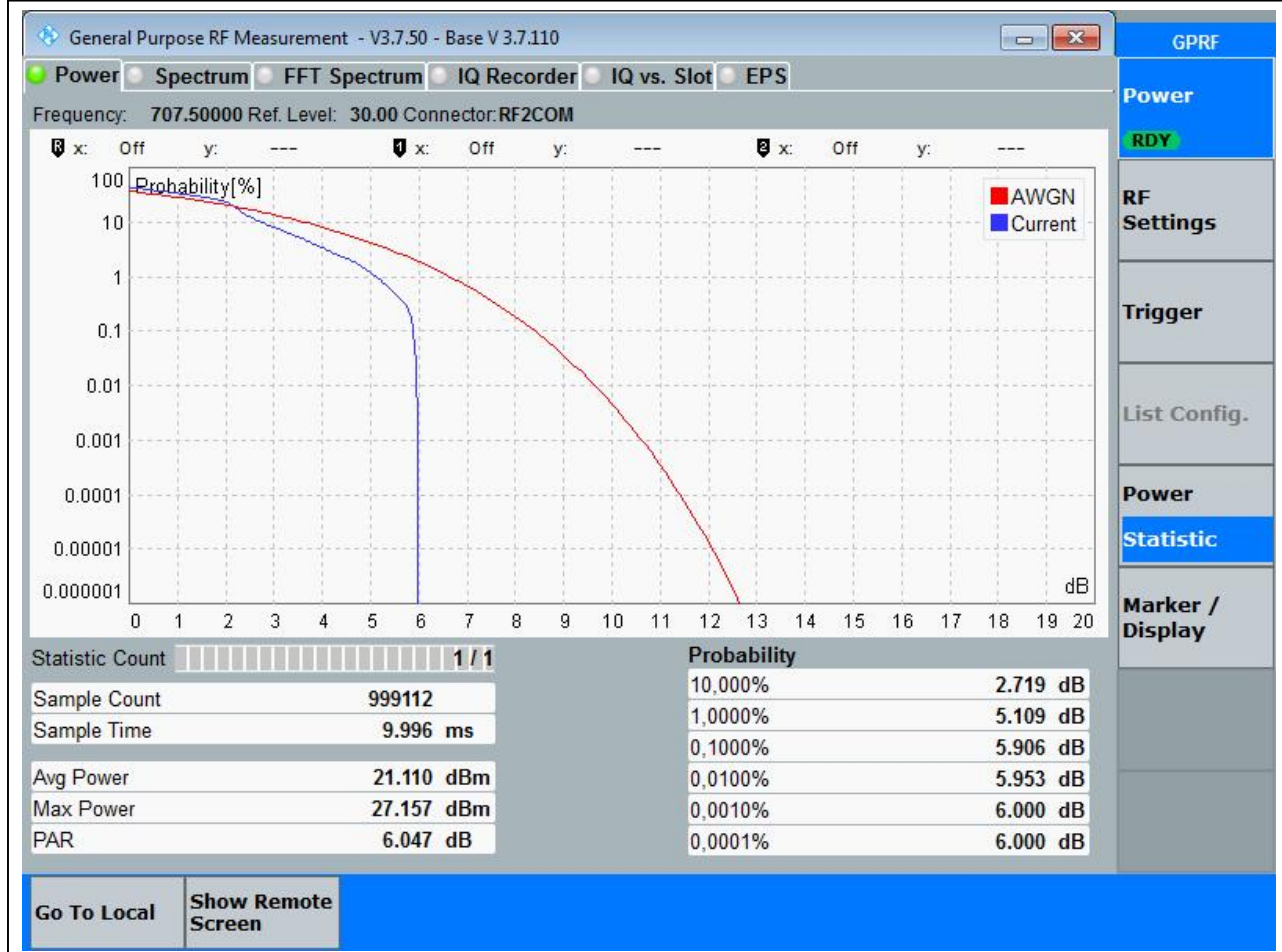
**4.14 Peak to Average Ratio for SA\_Part22-24-27(NTNV)(Channel:141500, Bandwidth:15, SCS:15, OFDM:DFT-s-OFDM, Modulation:QPSK, RB Number:75, RB Position:0)**

| Center Frequency(MHz) | PAR Percent (%) | RBW (MHz) | PAR (dB) | Upper Limit (dB) | Verdict |
|-----------------------|-----------------|-----------|----------|------------------|---------|
| 707.5                 | 0.1             | 18        | 4.78     | 13               | Pass    |

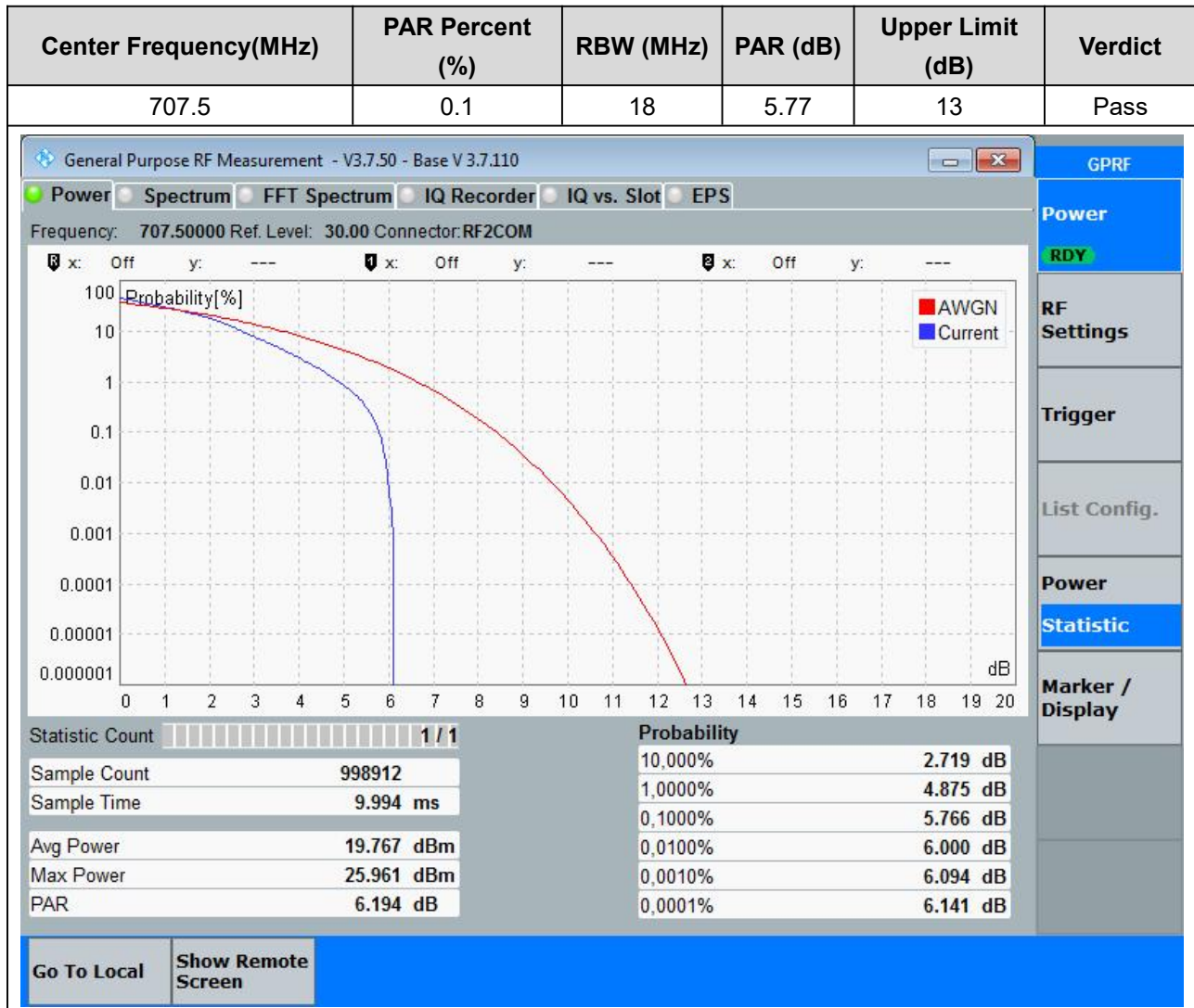


**4.15 Peak to Average Ratio for SA\_Part22-24-27(NTNV)(Channel:141500, Bandwidth:15, SCS:15, OFDM:DFT-s-OFDM, Modulation:16QAM, RB Number:1, RB Position:0)**

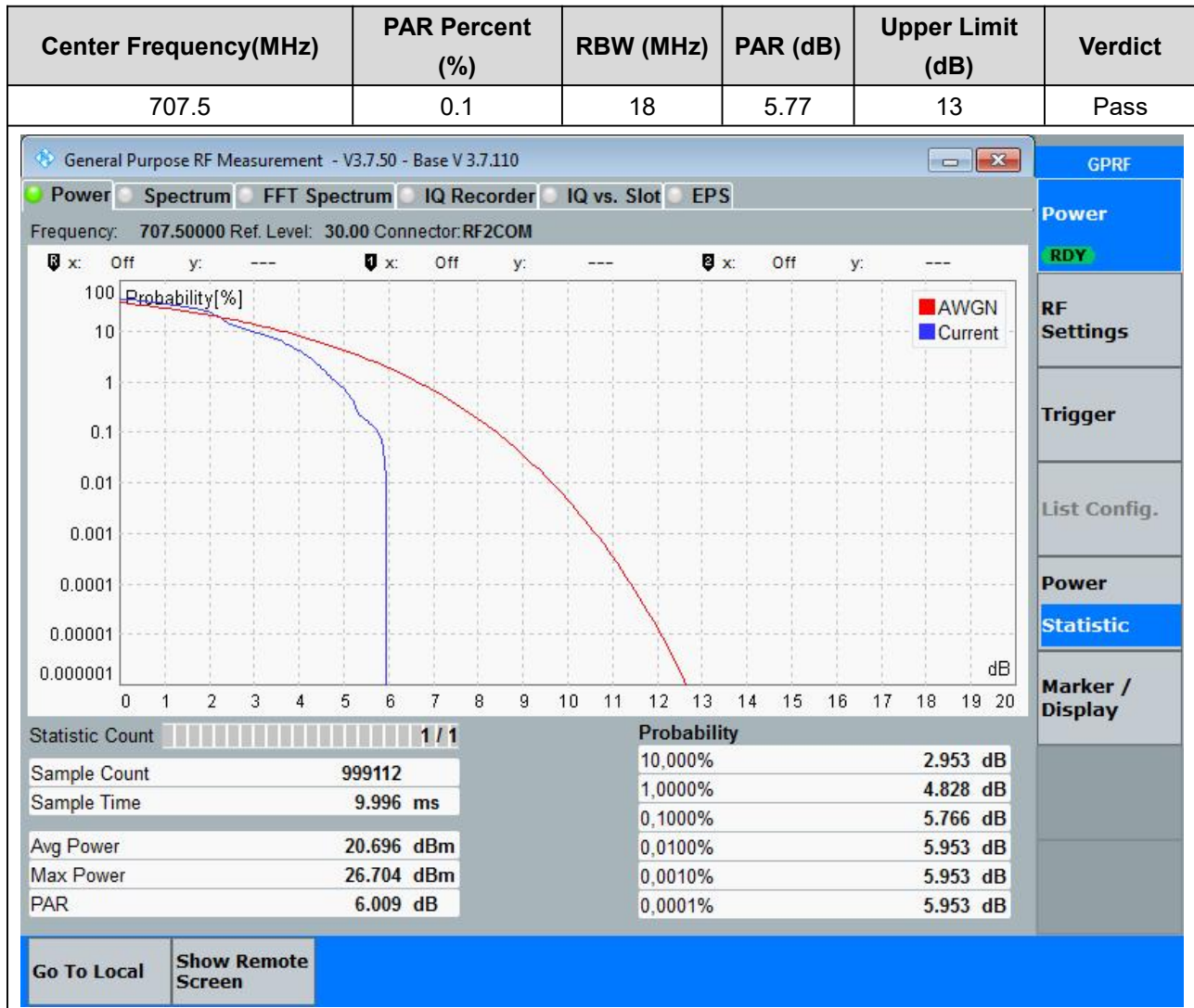
| Center Frequency(MHz) | PAR Percent (%) | RBW (MHz) | PAR (dB) | Upper Limit (dB) | Verdict |
|-----------------------|-----------------|-----------|----------|------------------|---------|
| 707.5                 | 0.1             | 18        | 5.91     | 13               | Pass    |



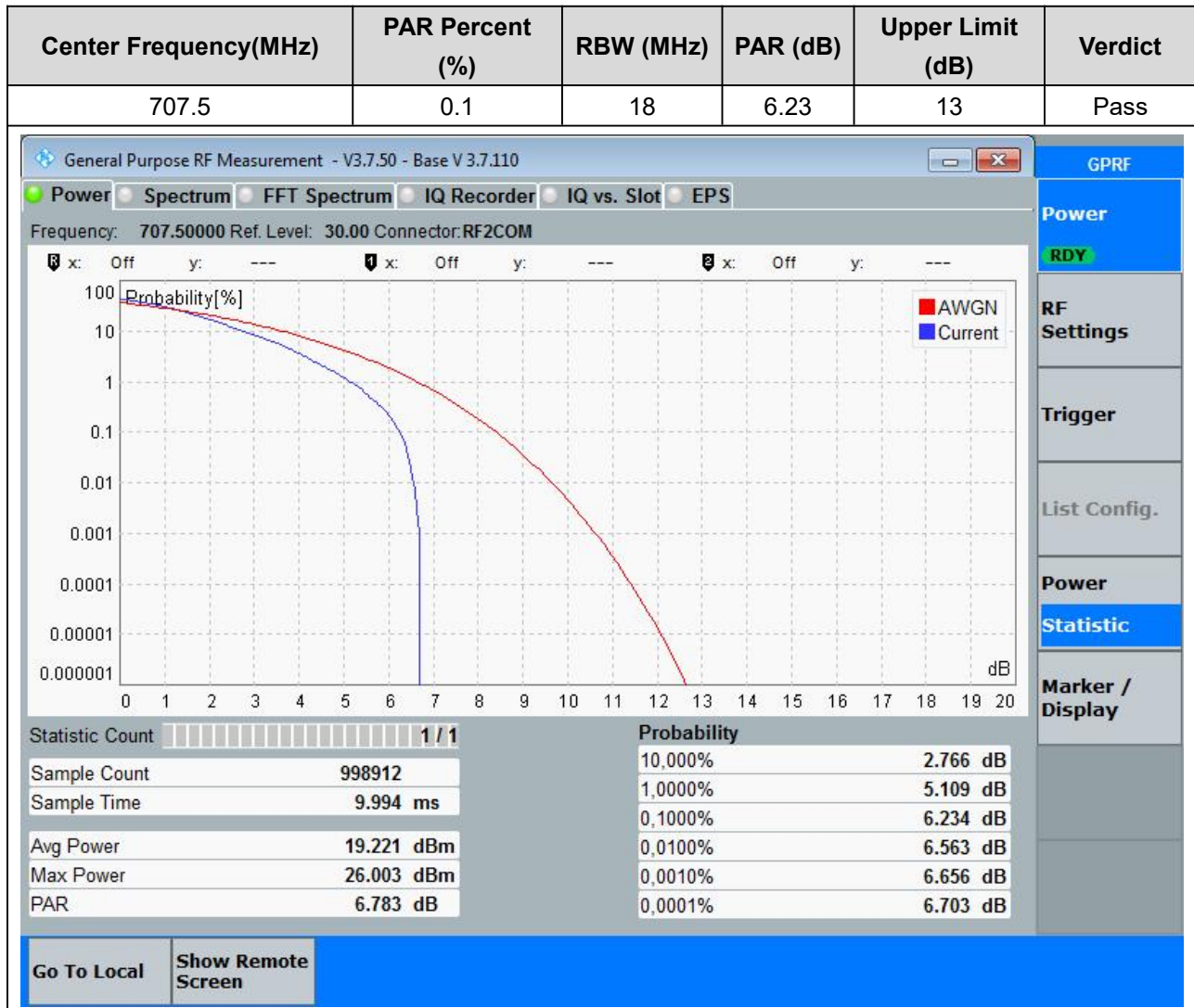
**4.16 Peak to Average Ratio for SA\_Part22-24-27(NTNV)(Channel:141500, Bandwidth:15, SCS:15, OFDM:DFT-s-OFDM, Modulation:16QAM, RB Number:75, RB Position:0)**



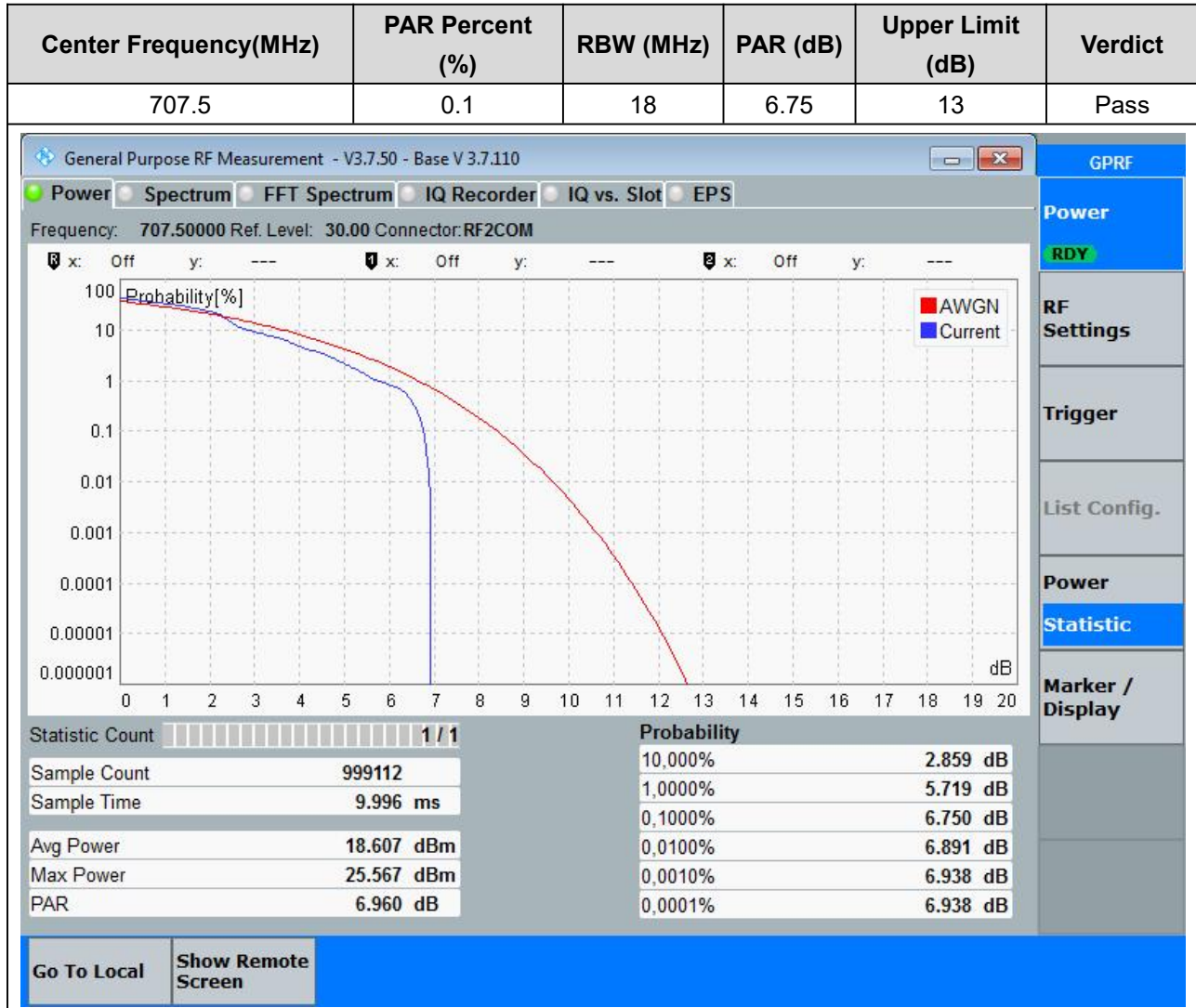
**4.17 Peak to Average Ratio for SA\_Part22-24-27(NTNV)(Channel:141500, Bandwidth:15, SCS:15, OFDM:DFT-s-OFDM, Modulation:64QAM, RB Number:1, RB Position:0)**



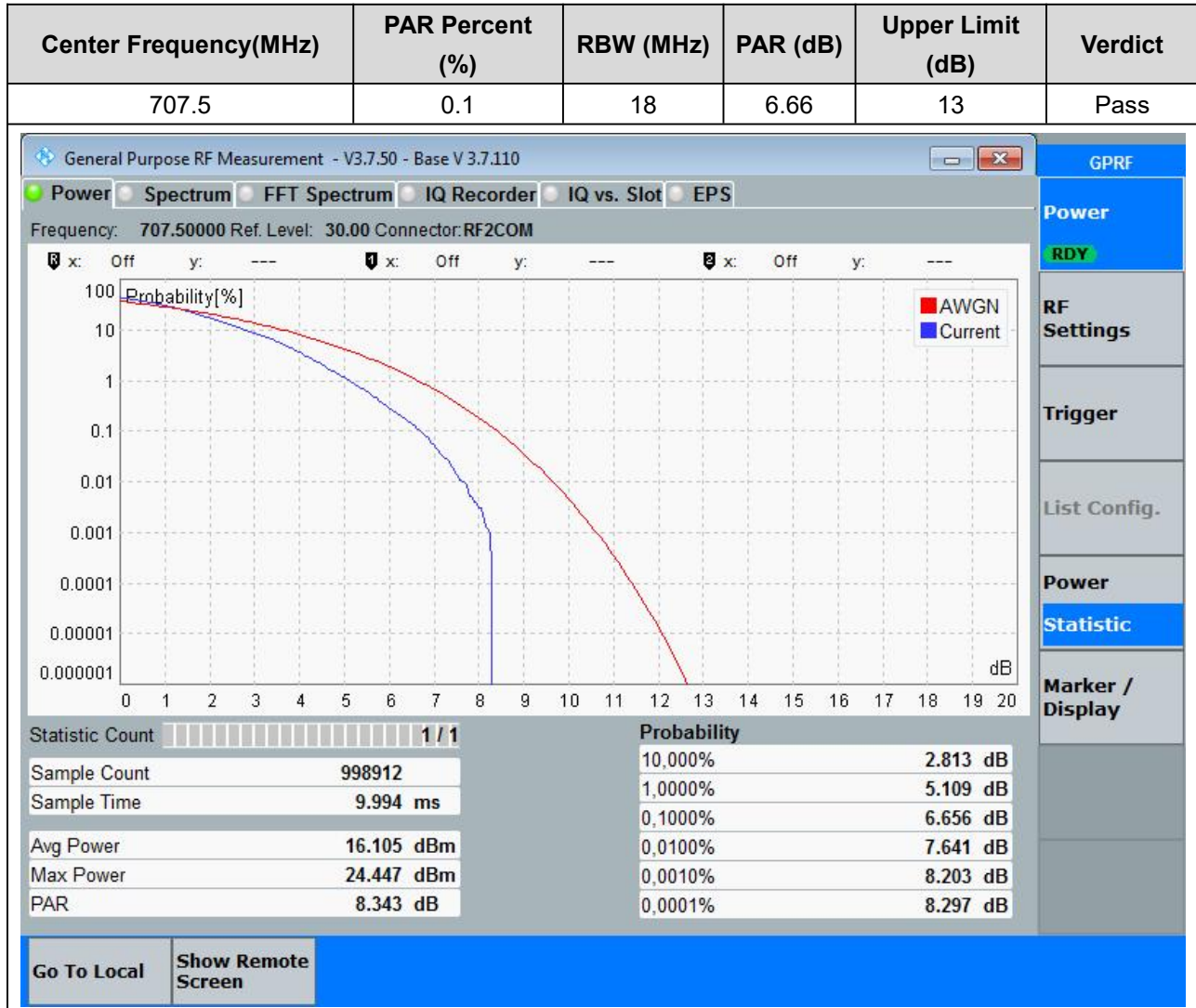
**4.18 Peak to Average Ratio for SA\_Part22-24-27(NTNV)(Channel:141500, Bandwidth:15, SCS:15, OFDM:DFT-s-OFDM, Modulation:64QAM, RB Number:75, RB Position:0)**



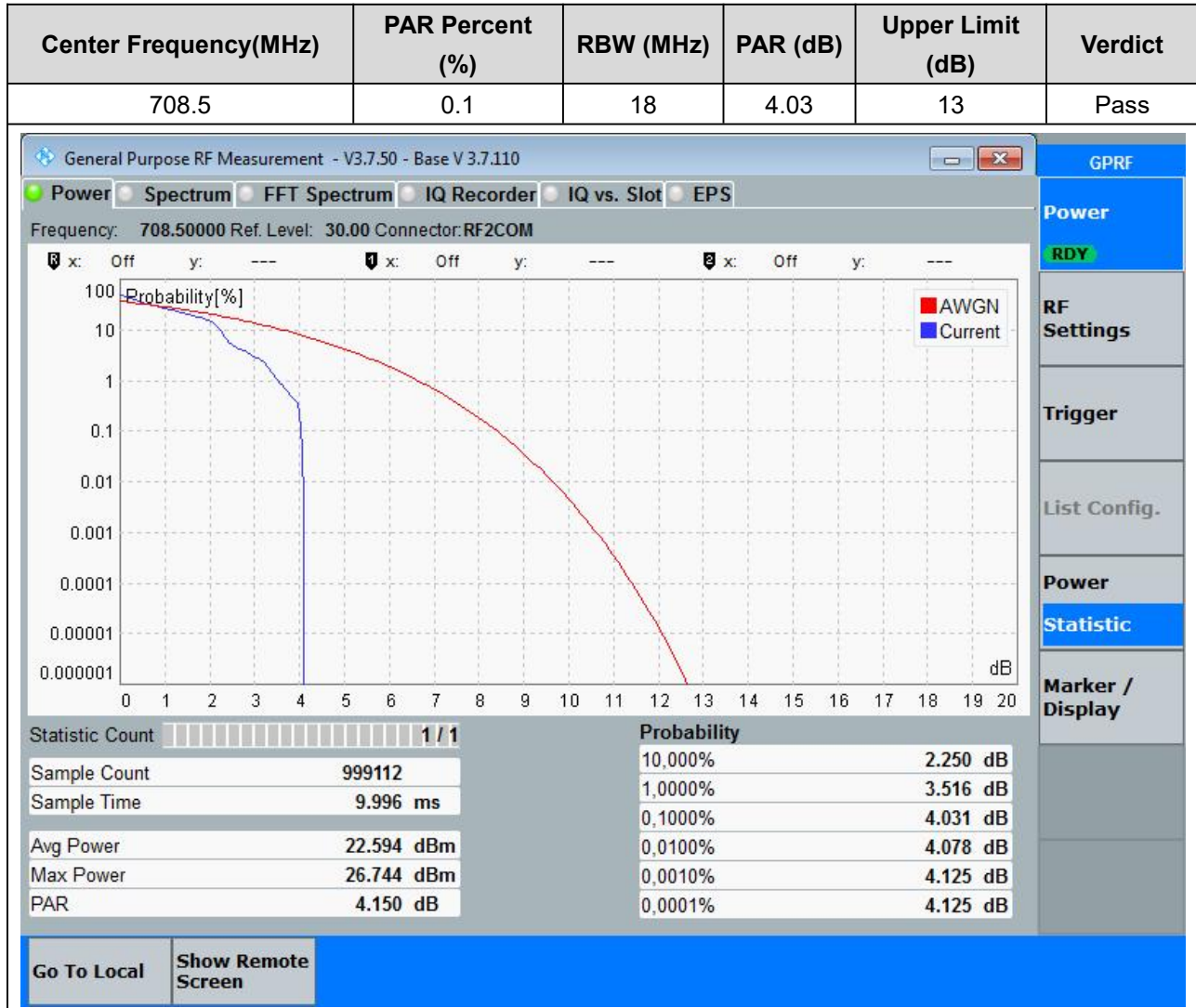
**4.19 Peak to Average Ratio for SA\_Part22-24-27(NTNV)(Channel:141500, Bandwidth:15, SCS:15, OFDM:DFT-s-OFDM, Modulation:256QAM, RB Number:1, RB Position:0)**



**4.20 Peak to Average Ratio for SA\_Part22-24-27(NTNV)(Channel:141500, Bandwidth:15, SCS:15, OFDM:DFT-s-OFDM, Modulation:256QAM, RB Number:75, RB Position:0)**

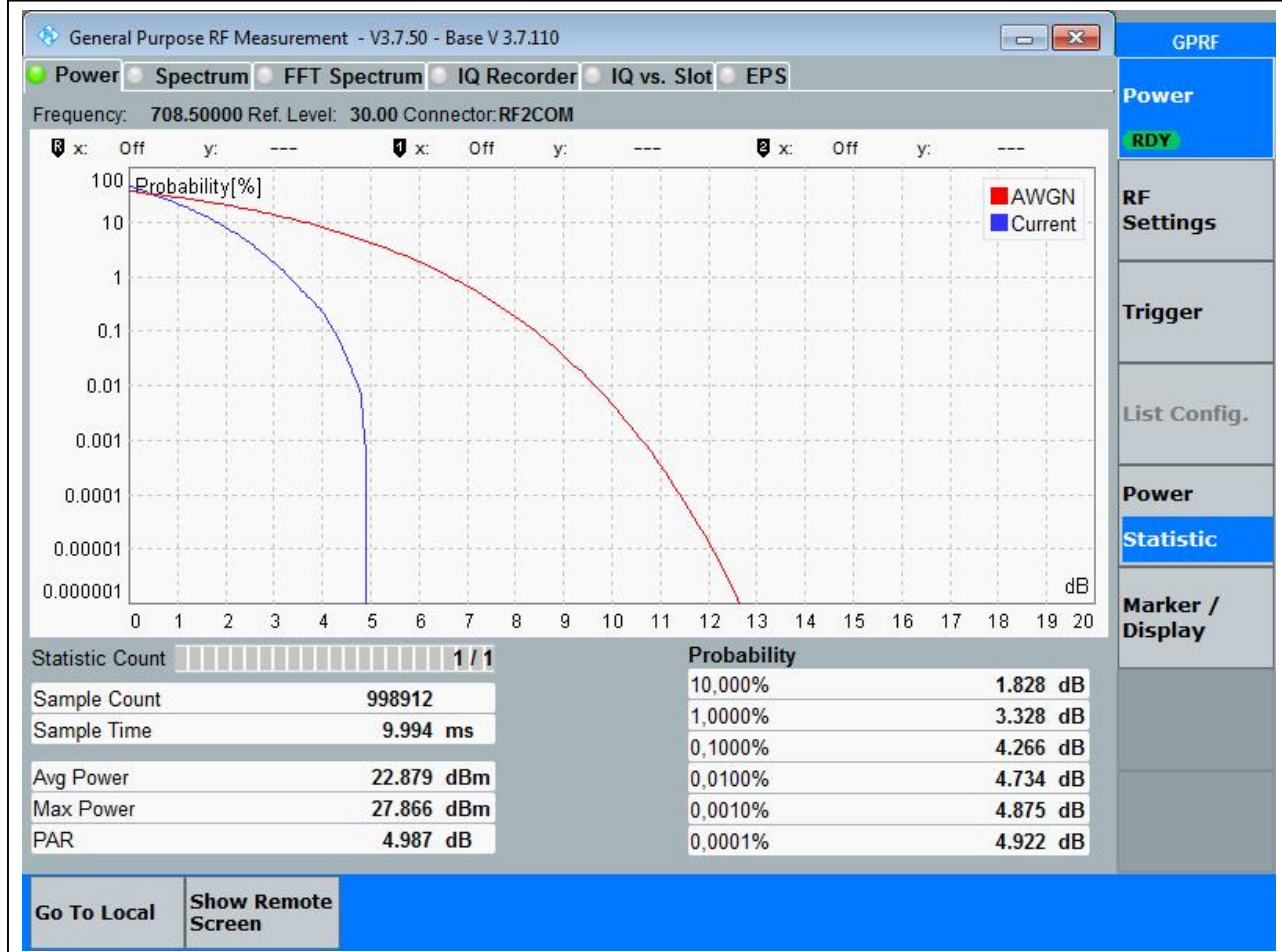


**4.21 Peak to Average Ratio for SA\_Part22-24-27(NTNV)(Channel:141700, Bandwidth:15, SCS:15, OFDM:DFT-s-OFDM, Modulation:Pi/2-BPSK, RB Number:1, RB Position:0)**

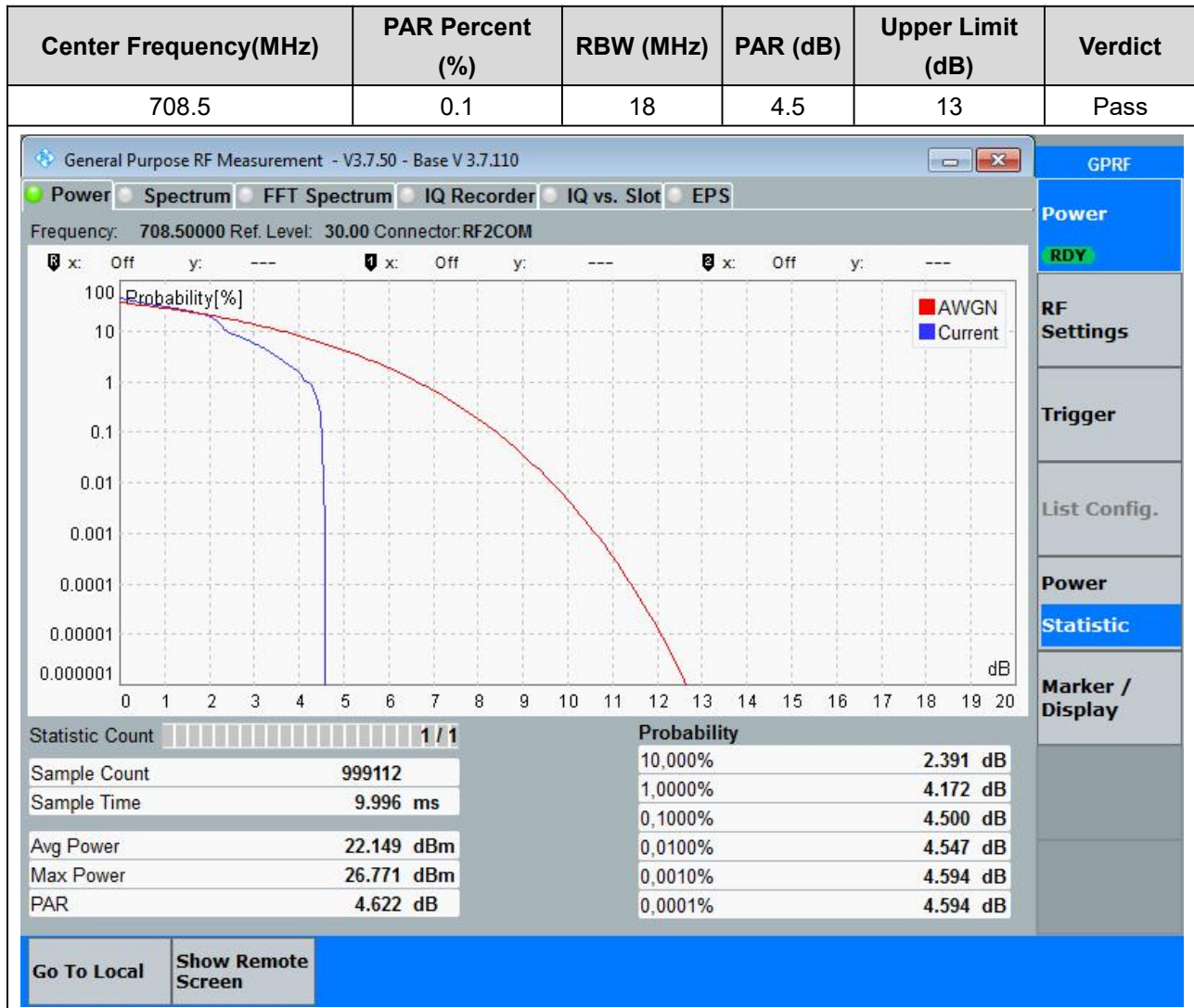


**4.22 Peak to Average Ratio for SA\_Part22-24-27(NTNV)(Channel:141700, Bandwidth:15, SCS:15, OFDM:DFT-s-OFDM, Modulation:Pi/2-BPSK, RB Number:75, RB Position:0)**

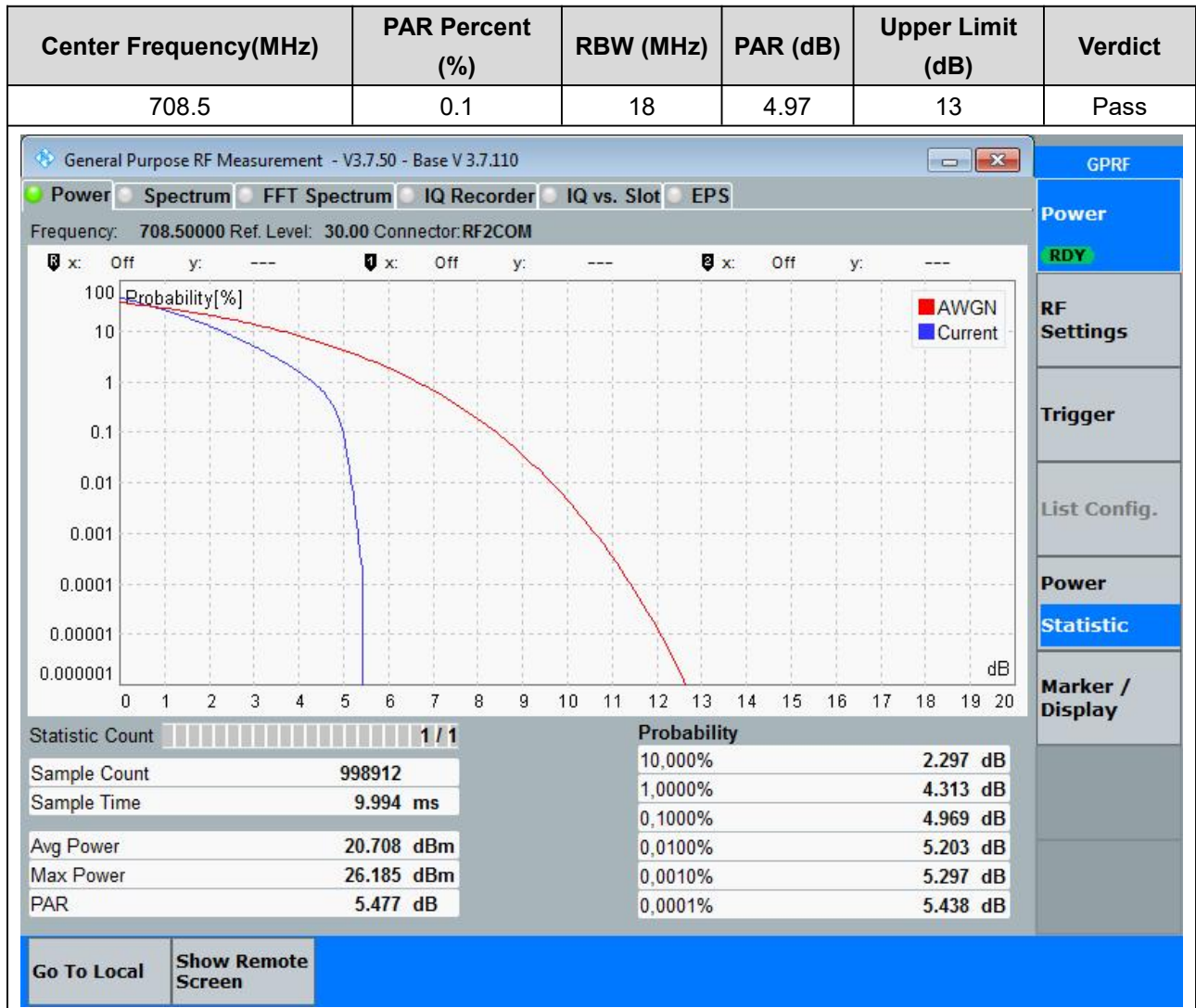
| Center Frequency(MHz) | PAR Percent (%) | RBW (MHz) | PAR (dB) | Upper Limit (dB) | Verdict |
|-----------------------|-----------------|-----------|----------|------------------|---------|
| 708.5                 | 0.1             | 18        | 4.27     | 13               | Pass    |



**4.23 Peak to Average Ratio for SA\_Part22-24-27(NTNV)(Channel:141700, Bandwidth:15, SCS:15, OFDM:DFT-s-OFDM, Modulation:QPSK, RB Number:1, RB Position:0)**

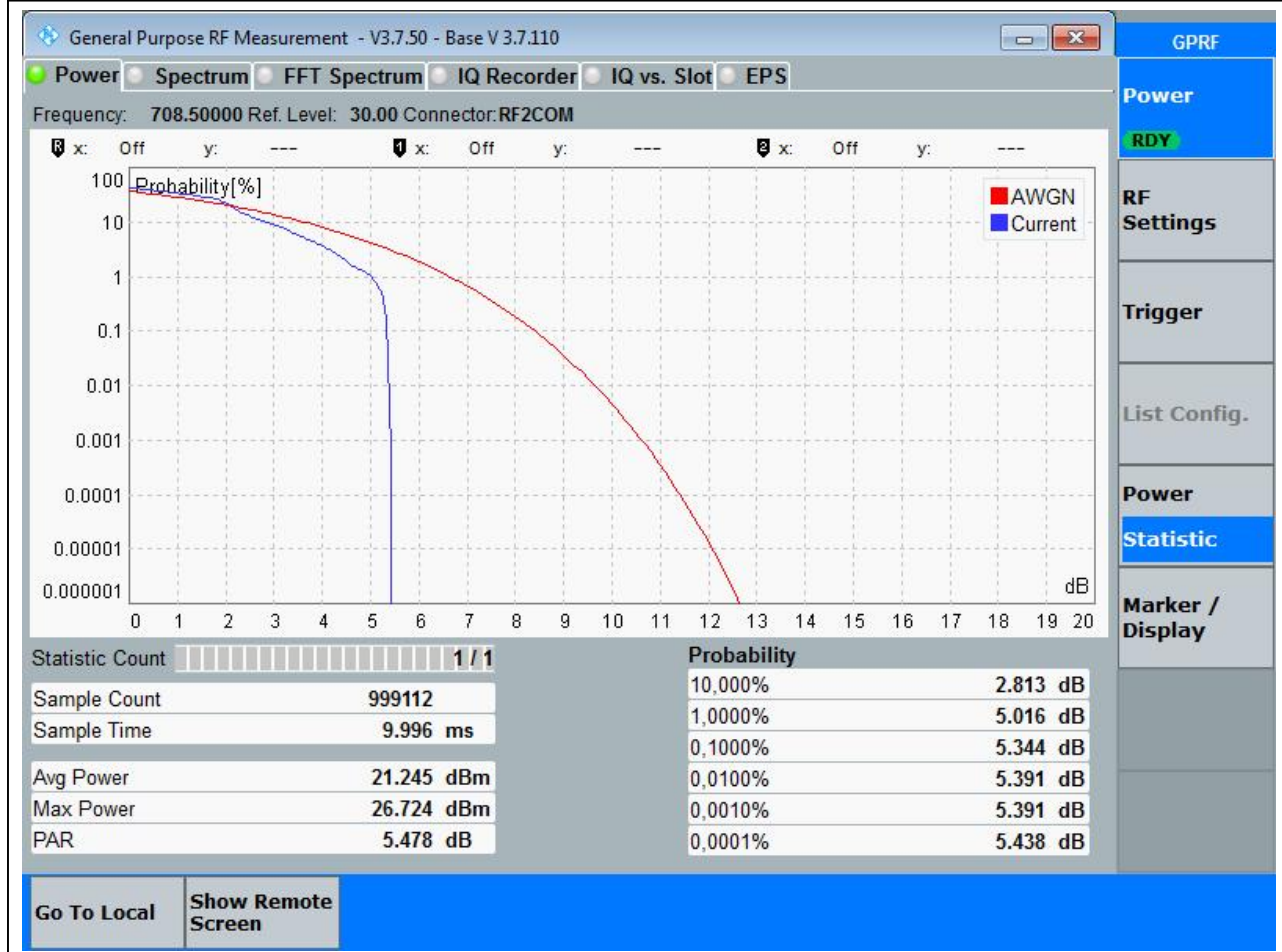


**4.24 Peak to Average Ratio for SA\_Part22-24-27(NTNV)(Channel:141700, Bandwidth:15, SCS:15, OFDM:DFT-s-OFDM, Modulation:QPSK, RB Number:75, RB Position:0)**

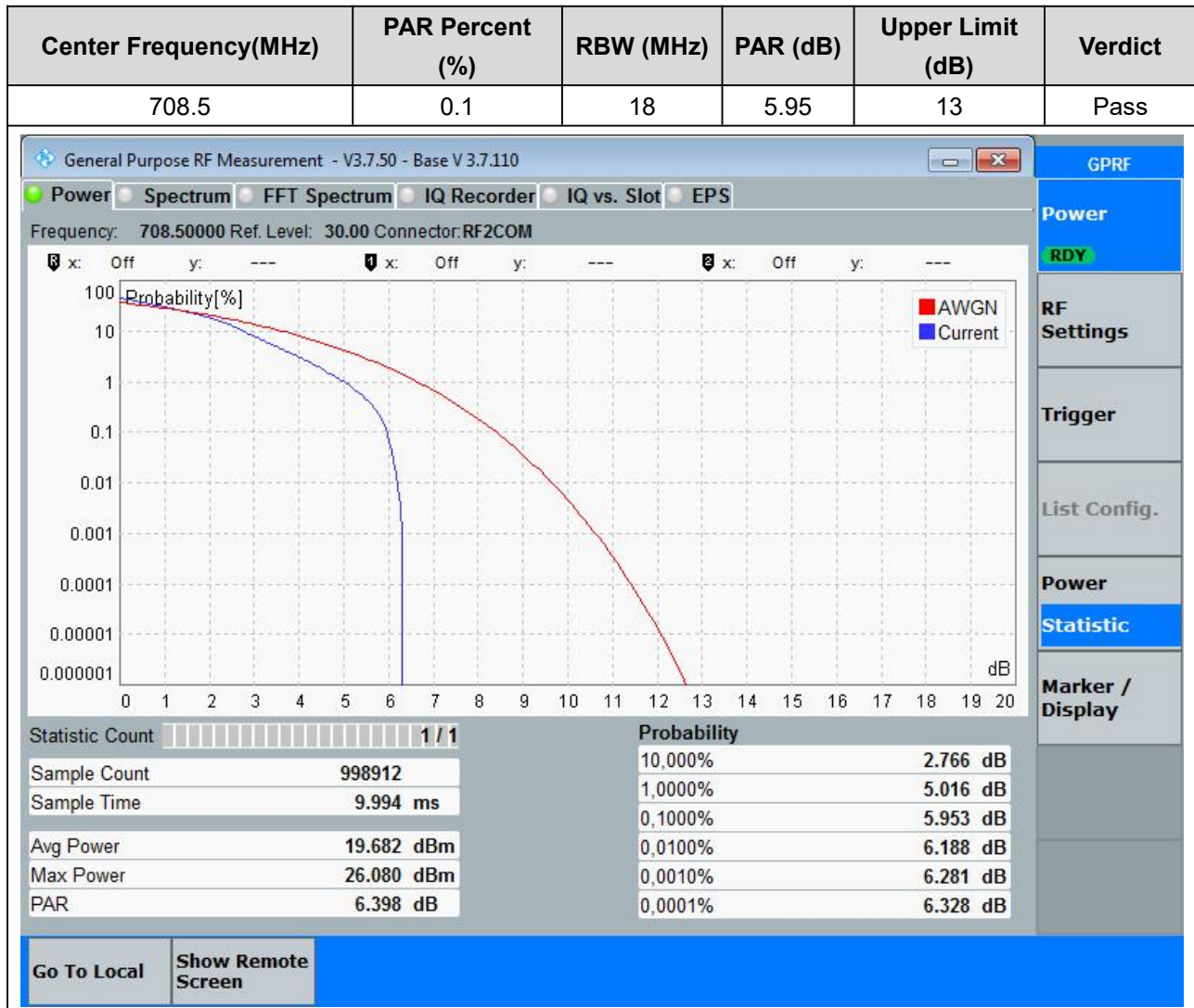


**4.25 Peak to Average Ratio for SA\_Part22-24-27(NTNV)(Channel:141700, Bandwidth:15, SCS:15, OFDM:DFT-s-OFDM, Modulation:16QAM, RB Number:1, RB Position:0)**

| Center Frequency(MHz) | PAR Percent (%) | RBW (MHz) | PAR (dB) | Upper Limit (dB) | Verdict |
|-----------------------|-----------------|-----------|----------|------------------|---------|
| 708.5                 | 0.1             | 18        | 5.34     | 13               | Pass    |

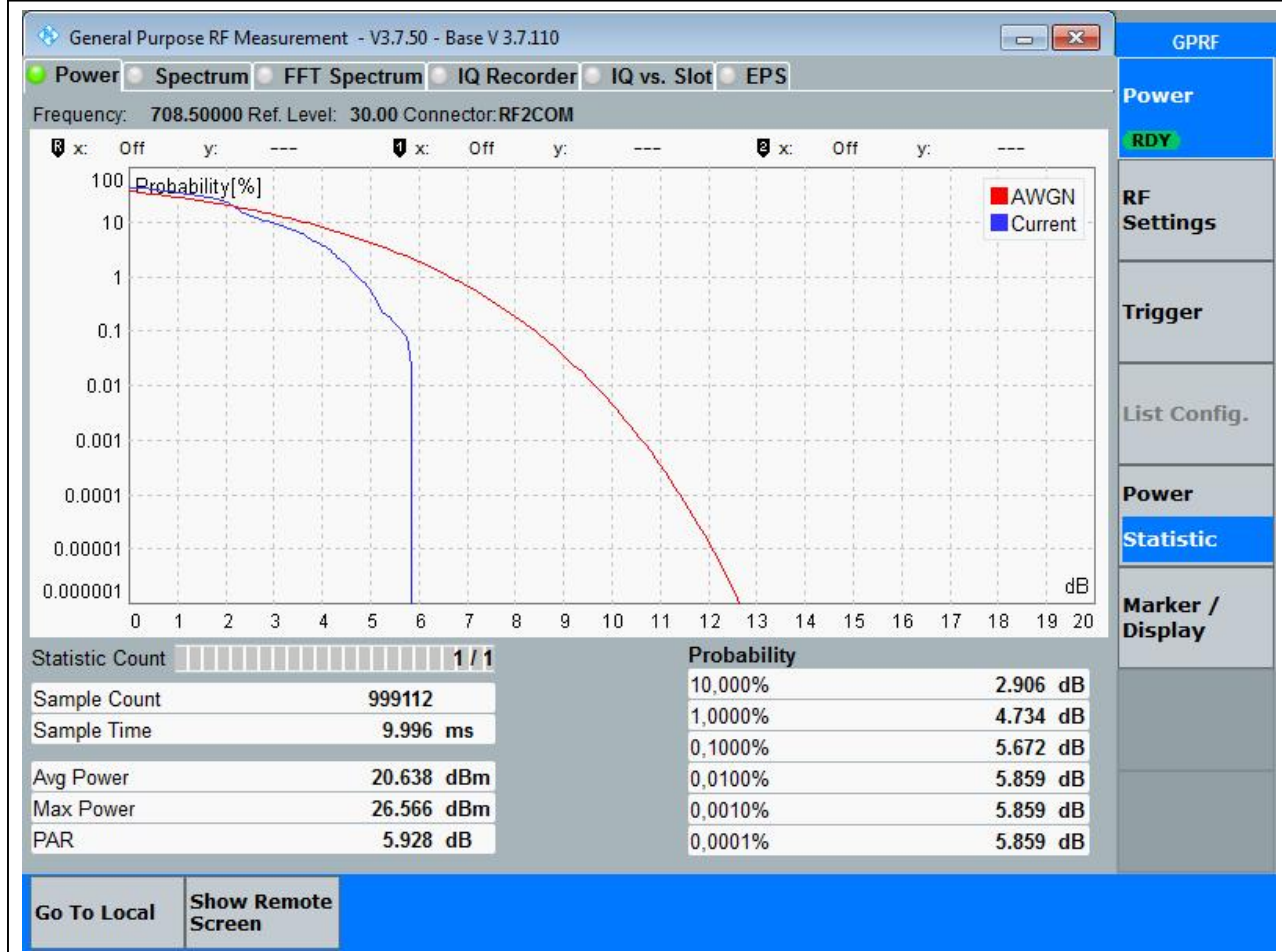


**4.26 Peak to Average Ratio for SA\_Part22-24-27(NTNV)(Channel:141700, Bandwidth:15, SCS:15, OFDM:DFT-s-OFDM, Modulation:16QAM, RB Number:75, RB Position:0)**



**4.27 Peak to Average Ratio for SA\_Part22-24-27(NTNV)(Channel:141700, Bandwidth:15, SCS:15, OFDM:DFT-s-OFDM, Modulation:64QAM, RB Number:1, RB Position:0)**

| Center Frequency(MHz) | PAR Percent (%) | RBW (MHz) | PAR (dB) | Upper Limit (dB) | Verdict |
|-----------------------|-----------------|-----------|----------|------------------|---------|
| 708.5                 | 0.1             | 18        | 5.67     | 13               | Pass    |



**4.28 Peak to Average Ratio for SA\_Part22-24-27(NTNV)(Channel:141700, Bandwidth:15, SCS:15, OFDM:DFT-s-OFDM, Modulation:64QAM, RB Number:75, RB Position:0)**

