



## Appendix D: Test Data for E-UTRA Band 5

Product Name: Mobile Computer

Test Model: C7X

### Environmental Conditions

|                    |           |
|--------------------|-----------|
| Temperature:       | 23.8° C   |
| Relative Humidity: | 52.1%     |
| ATM Pressure:      | 100.0 kPa |
| Test Engineer:     | Ling Zhu  |
| Supervised by:     | Li Huan   |



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Scan code to check authenticity



## D.1 Effective (Isotropic) Radiated Power Output Data

### Test Result

| Band  | Bandwidth | Modulation | Channel | RB Configuration | Result(dBm) | Verdict |
|-------|-----------|------------|---------|------------------|-------------|---------|
| Band5 | 1.4MHz    | QPSK       | 20407   | 1RB#0            | 22.28       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20407   | 1RB#2            | 22.39       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20407   | 1RB#5            | 22.24       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20407   | 3RB#0            | 22.32       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20407   | 3RB#1            | 22.36       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20407   | 3RB#3            | 22.32       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20407   | 6RB#0            | 21.32       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 1RB#0            | 22.28       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 1RB#2            | 22.42       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 1RB#5            | 22.24       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 3RB#0            | 22.34       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 3RB#1            | 22.32       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 3RB#3            | 22.31       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 6RB#0            | 21.36       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 1RB#0            | 22.32       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 1RB#2            | 22.33       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 1RB#5            | 22.26       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 3RB#0            | 22.39       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 3RB#1            | 22.31       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 3RB#3            | 22.36       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 6RB#0            | 21.42       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 1RB#0            | 21.21       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 1RB#2            | 21.48       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 1RB#5            | 21.13       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 3RB#0            | 21.12       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 3RB#1            | 21.11       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 3RB#3            | 21.08       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 6RB#0            | 20.28       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20525   | 1RB#0            | 21.26       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20525   | 1RB#2            | 21.39       | PASS    |





|       |        |       |       |        |       |      |
|-------|--------|-------|-------|--------|-------|------|
| Band5 | 1.4MHz | 16QAM | 20525 | 1RB#5  | 21.24 | PASS |
| Band5 | 1.4MHz | 16QAM | 20525 | 3RB#0  | 21.14 | PASS |
| Band5 | 1.4MHz | 16QAM | 20525 | 3RB#1  | 21.16 | PASS |
| Band5 | 1.4MHz | 16QAM | 20525 | 3RB#3  | 21.14 | PASS |
| Band5 | 1.4MHz | 16QAM | 20525 | 6RB#0  | 20.35 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 1RB#0  | 21.31 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 1RB#2  | 21.42 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 1RB#5  | 21.33 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 3RB#0  | 21.20 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 3RB#1  | 21.22 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 3RB#3  | 21.18 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 6RB#0  | 20.37 | PASS |
| Band5 | 3MHz   | QPSK  | 20415 | 1RB#0  | 22.32 | PASS |
| Band5 | 3MHz   | QPSK  | 20415 | 1RB#8  | 22.36 | PASS |
| Band5 | 3MHz   | QPSK  | 20415 | 1RB#14 | 22.23 | PASS |
| Band5 | 3MHz   | QPSK  | 20415 | 8RB#0  | 21.25 | PASS |
| Band5 | 3MHz   | QPSK  | 20415 | 8RB#4  | 21.23 | PASS |
| Band5 | 3MHz   | QPSK  | 20415 | 8RB#7  | 21.27 | PASS |
| Band5 | 3MHz   | QPSK  | 20415 | 15RB#0 | 21.23 | PASS |
| Band5 | 3MHz   | QPSK  | 20525 | 1RB#0  | 22.31 | PASS |
| Band5 | 3MHz   | QPSK  | 20525 | 1RB#8  | 22.38 | PASS |
| Band5 | 3MHz   | QPSK  | 20525 | 1RB#14 | 22.33 | PASS |
| Band5 | 3MHz   | QPSK  | 20525 | 8RB#0  | 21.31 | PASS |
| Band5 | 3MHz   | QPSK  | 20525 | 8RB#4  | 21.30 | PASS |
| Band5 | 3MHz   | QPSK  | 20525 | 8RB#7  | 21.32 | PASS |
| Band5 | 3MHz   | QPSK  | 20525 | 15RB#0 | 21.31 | PASS |
| Band5 | 3MHz   | QPSK  | 20635 | 1RB#0  | 22.38 | PASS |
| Band5 | 3MHz   | QPSK  | 20635 | 1RB#8  | 22.42 | PASS |
| Band5 | 3MHz   | QPSK  | 20635 | 1RB#14 | 22.39 | PASS |
| Band5 | 3MHz   | QPSK  | 20635 | 8RB#0  | 21.37 | PASS |
| Band5 | 3MHz   | QPSK  | 20635 | 8RB#4  | 21.40 | PASS |
| Band5 | 3MHz   | QPSK  | 20635 | 8RB#7  | 21.35 | PASS |
| Band5 | 3MHz   | QPSK  | 20635 | 15RB#0 | 21.41 | PASS |
| Band5 | 3MHz   | 16QAM | 20415 | 1RB#0  | 21.16 | PASS |
| Band5 | 3MHz   | 16QAM | 20415 | 1RB#8  | 21.13 | PASS |





|       |      |       |       |         |       |      |
|-------|------|-------|-------|---------|-------|------|
| Band5 | 3MHz | 16QAM | 20415 | 1RB#14  | 21.09 | PASS |
| Band5 | 3MHz | 16QAM | 20415 | 8RB#0   | 20.24 | PASS |
| Band5 | 3MHz | 16QAM | 20415 | 8RB#4   | 20.23 | PASS |
| Band5 | 3MHz | 16QAM | 20415 | 8RB#7   | 20.24 | PASS |
| Band5 | 3MHz | 16QAM | 20415 | 15RB#0  | 20.13 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 1RB#0   | 21.24 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 1RB#8   | 21.16 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 1RB#14  | 21.20 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 8RB#0   | 20.31 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 8RB#4   | 20.28 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 8RB#7   | 20.29 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 15RB#0  | 20.23 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 1RB#0   | 21.41 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 1RB#8   | 21.28 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 1RB#14  | 21.17 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 8RB#0   | 20.38 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 8RB#4   | 20.41 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 8RB#7   | 20.32 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 15RB#0  | 20.26 | PASS |
| Band5 | 5MHz | QPSK  | 20425 | 1RB#0   | 22.25 | PASS |
| Band5 | 5MHz | QPSK  | 20425 | 1RB#12  | 22.32 | PASS |
| Band5 | 5MHz | QPSK  | 20425 | 1RB#24  | 22.19 | PASS |
| Band5 | 5MHz | QPSK  | 20425 | 12RB#0  | 21.26 | PASS |
| Band5 | 5MHz | QPSK  | 20425 | 12RB#6  | 21.25 | PASS |
| Band5 | 5MHz | QPSK  | 20425 | 12RB#13 | 21.17 | PASS |
| Band5 | 5MHz | QPSK  | 20425 | 25RB#0  | 21.22 | PASS |
| Band5 | 5MHz | QPSK  | 20525 | 1RB#0   | 22.18 | PASS |
| Band5 | 5MHz | QPSK  | 20525 | 1RB#12  | 22.32 | PASS |
| Band5 | 5MHz | QPSK  | 20525 | 1RB#24  | 22.17 | PASS |
| Band5 | 5MHz | QPSK  | 20525 | 12RB#0  | 21.31 | PASS |
| Band5 | 5MHz | QPSK  | 20525 | 12RB#6  | 21.25 | PASS |
| Band5 | 5MHz | QPSK  | 20525 | 12RB#13 | 21.37 | PASS |
| Band5 | 5MHz | QPSK  | 20525 | 25RB#0  | 21.35 | PASS |
| Band5 | 5MHz | QPSK  | 20625 | 1RB#0   | 22.29 | PASS |
| Band5 | 5MHz | QPSK  | 20625 | 1RB#12  | 22.44 | PASS |





|       |       |       |       |         |       |      |
|-------|-------|-------|-------|---------|-------|------|
| Band5 | 5MHz  | QPSK  | 20625 | 1RB#24  | 22.24 | PASS |
| Band5 | 5MHz  | QPSK  | 20625 | 12RB#0  | 21.46 | PASS |
| Band5 | 5MHz  | QPSK  | 20625 | 12RB#6  | 21.43 | PASS |
| Band5 | 5MHz  | QPSK  | 20625 | 12RB#13 | 21.34 | PASS |
| Band5 | 5MHz  | QPSK  | 20625 | 25RB#0  | 21.39 | PASS |
| Band5 | 5MHz  | 16QAM | 20425 | 1RB#0   | 21.16 | PASS |
| Band5 | 5MHz  | 16QAM | 20425 | 1RB#12  | 21.27 | PASS |
| Band5 | 5MHz  | 16QAM | 20425 | 1RB#24  | 21.14 | PASS |
| Band5 | 5MHz  | 16QAM | 20425 | 12RB#0  | 20.19 | PASS |
| Band5 | 5MHz  | 16QAM | 20425 | 12RB#6  | 20.18 | PASS |
| Band5 | 5MHz  | 16QAM | 20425 | 12RB#13 | 20.19 | PASS |
| Band5 | 5MHz  | 16QAM | 20425 | 25RB#0  | 20.18 | PASS |
| Band5 | 5MHz  | 16QAM | 20525 | 1RB#0   | 21.32 | PASS |
| Band5 | 5MHz  | 16QAM | 20525 | 1RB#12  | 21.41 | PASS |
| Band5 | 5MHz  | 16QAM | 20525 | 1RB#24  | 21.28 | PASS |
| Band5 | 5MHz  | 16QAM | 20525 | 12RB#0  | 20.27 | PASS |
| Band5 | 5MHz  | 16QAM | 20525 | 12RB#6  | 20.26 | PASS |
| Band5 | 5MHz  | 16QAM | 20525 | 12RB#13 | 20.35 | PASS |
| Band5 | 5MHz  | 16QAM | 20525 | 25RB#0  | 20.32 | PASS |
| Band5 | 5MHz  | 16QAM | 20625 | 1RB#0   | 21.22 | PASS |
| Band5 | 5MHz  | 16QAM | 20625 | 1RB#12  | 21.42 | PASS |
| Band5 | 5MHz  | 16QAM | 20625 | 1RB#24  | 21.18 | PASS |
| Band5 | 5MHz  | 16QAM | 20625 | 12RB#0  | 20.38 | PASS |
| Band5 | 5MHz  | 16QAM | 20625 | 12RB#6  | 20.45 | PASS |
| Band5 | 5MHz  | 16QAM | 20625 | 12RB#13 | 20.31 | PASS |
| Band5 | 5MHz  | 16QAM | 20625 | 25RB#0  | 20.40 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 1RB#0   | 22.25 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 1RB#24  | 22.41 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 1RB#49  | 22.27 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 25RB#0  | 21.34 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 25RB#12 | 21.34 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 25RB#25 | 21.33 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 50RB#0  | 21.29 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 1RB#0   | 22.31 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 1RB#24  | 22.54 | PASS |





|       |       |       |       |         |       |      |
|-------|-------|-------|-------|---------|-------|------|
| Band5 | 10MHz | QPSK  | 20525 | 1RB#49  | 22.32 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 25RB#0  | 21.35 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 25RB#12 | 21.35 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 25RB#25 | 21.42 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 50RB#0  | 21.33 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 1RB#0   | 22.28 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 1RB#24  | 22.49 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 1RB#49  | 22.31 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 25RB#0  | 21.44 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 25RB#12 | 21.43 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 25RB#25 | 21.37 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 50RB#0  | 21.37 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 1RB#0   | 21.26 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 1RB#24  | 21.45 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 1RB#49  | 21.31 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 25RB#0  | 20.31 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 25RB#12 | 20.30 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 25RB#25 | 20.32 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 50RB#0  | 20.29 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 1RB#0   | 21.19 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 1RB#24  | 21.33 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 1RB#49  | 21.24 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 25RB#0  | 20.34 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 25RB#12 | 20.38 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 25RB#25 | 20.39 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 50RB#0  | 20.37 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 1RB#0   | 21.09 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 1RB#24  | 21.32 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 1RB#49  | 21.13 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 25RB#0  | 20.42 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 25RB#12 | 20.43 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 25RB#25 | 20.41 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 50RB#0  | 20.43 | PASS |





## D.2 Peak-to-Average Ratio (CCDF)

### Test Result

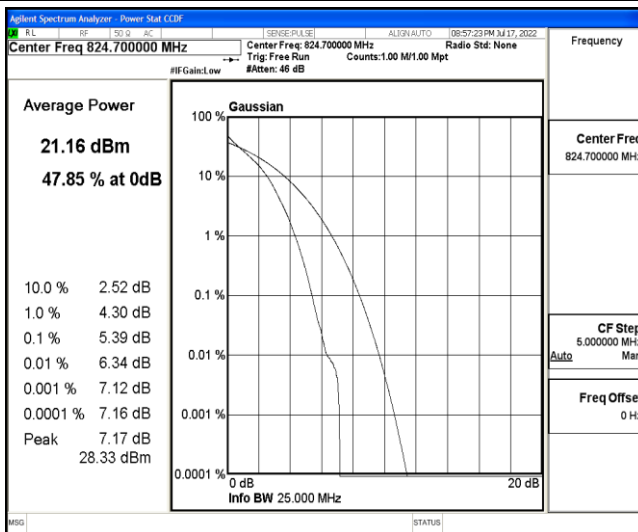
| Band  | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|-------|-----------|------------|---------|------------------|------------|-----------|---------|
| Band5 | 1.4MHz    | QPSK       | 20407   | 6RB#0            | 5.39       | 13        | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 6RB#0            | 5.52       | 13        | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 6RB#0            | 5.60       | 13        | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 6RB#0            | 6.18       | 13        | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20525   | 6RB#0            | 6.35       | 13        | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20643   | 6RB#0            | 6.34       | 13        | PASS    |
| Band5 | 3MHz      | QPSK       | 20415   | 15RB#0           | 5.45       | 13        | PASS    |
| Band5 | 3MHz      | QPSK       | 20525   | 15RB#0           | 5.61       | 13        | PASS    |
| Band5 | 3MHz      | QPSK       | 20635   | 15RB#0           | 5.61       | 13        | PASS    |
| Band5 | 3MHz      | 16QAM      | 20415   | 15RB#0           | 6.28       | 13        | PASS    |
| Band5 | 3MHz      | 16QAM      | 20525   | 15RB#0           | 6.45       | 13        | PASS    |
| Band5 | 3MHz      | 16QAM      | 20635   | 15RB#0           | 6.38       | 13        | PASS    |
| Band5 | 5MHz      | QPSK       | 20425   | 25RB#0           | 5.58       | 13        | PASS    |
| Band5 | 5MHz      | QPSK       | 20525   | 25RB#0           | 5.76       | 13        | PASS    |
| Band5 | 5MHz      | QPSK       | 20625   | 25RB#0           | 5.67       | 13        | PASS    |
| Band5 | 5MHz      | 16QAM      | 20425   | 25RB#0           | 6.25       | 13        | PASS    |
| Band5 | 5MHz      | 16QAM      | 20525   | 25RB#0           | 6.36       | 13        | PASS    |
| Band5 | 5MHz      | 16QAM      | 20625   | 25RB#0           | 6.28       | 13        | PASS    |
| Band5 | 10MHz     | QPSK       | 20450   | 50RB#0           | 5.75       | 13        | PASS    |
| Band5 | 10MHz     | QPSK       | 20525   | 50RB#0           | 5.75       | 13        | PASS    |
| Band5 | 10MHz     | QPSK       | 20600   | 50RB#0           | 5.54       | 13        | PASS    |
| Band5 | 10MHz     | 16QAM      | 20450   | 50RB#0           | 6.40       | 13        | PASS    |
| Band5 | 10MHz     | 16QAM      | 20525   | 50RB#0           | 6.40       | 13        | PASS    |
| Band5 | 10MHz     | 16QAM      | 20600   | 50RB#0           | 6.26       | 13        | PASS    |



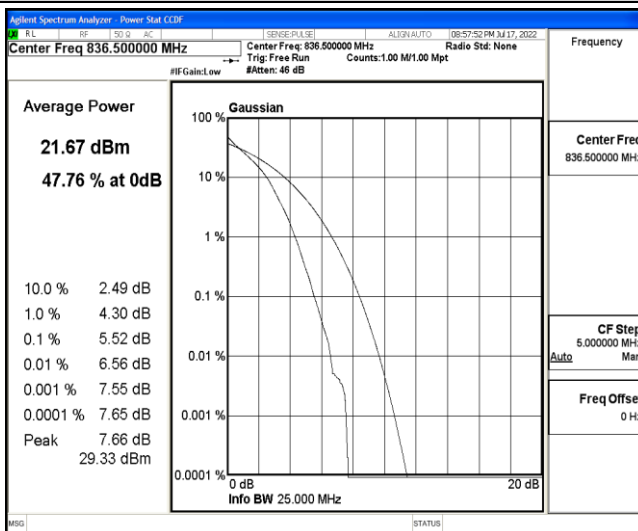


## Test Graphs

Band5-1.4MHz-QPSK-20407-6RB#0

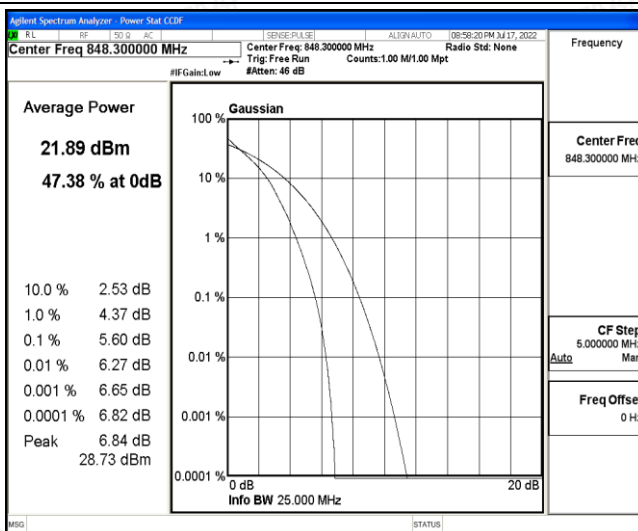


Band5-1.4MHz-QPSK-20525-6RB#0

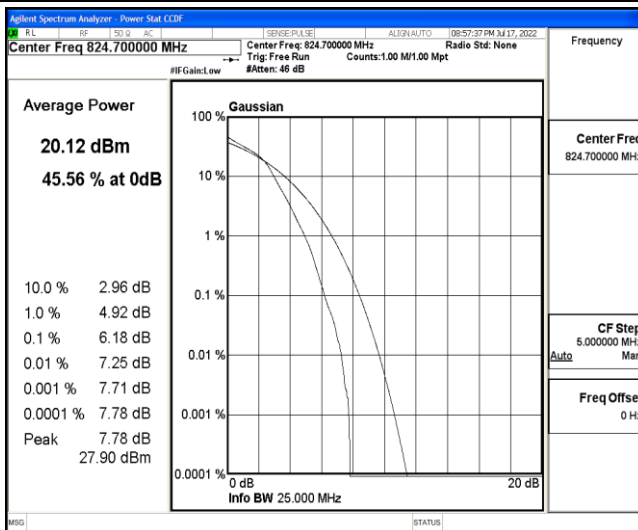


Band5-1.4MHz-QPSK-20643-6RB#0

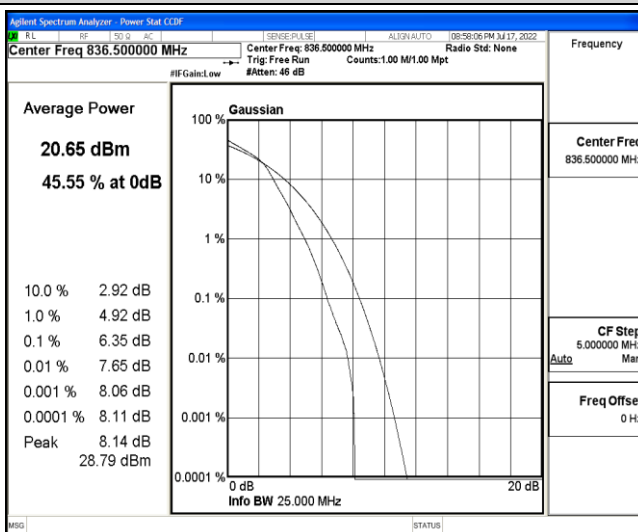




Band5-1.4MHz-16QAM-20407-6RB#0

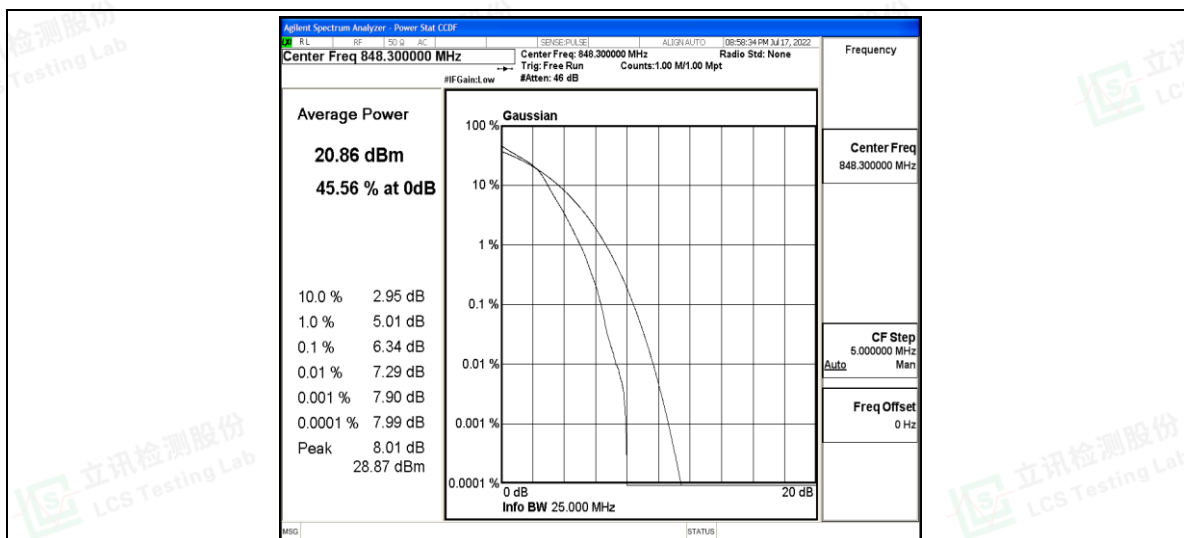


Band5-1.4MHz-16QAM-20525-6RB#0

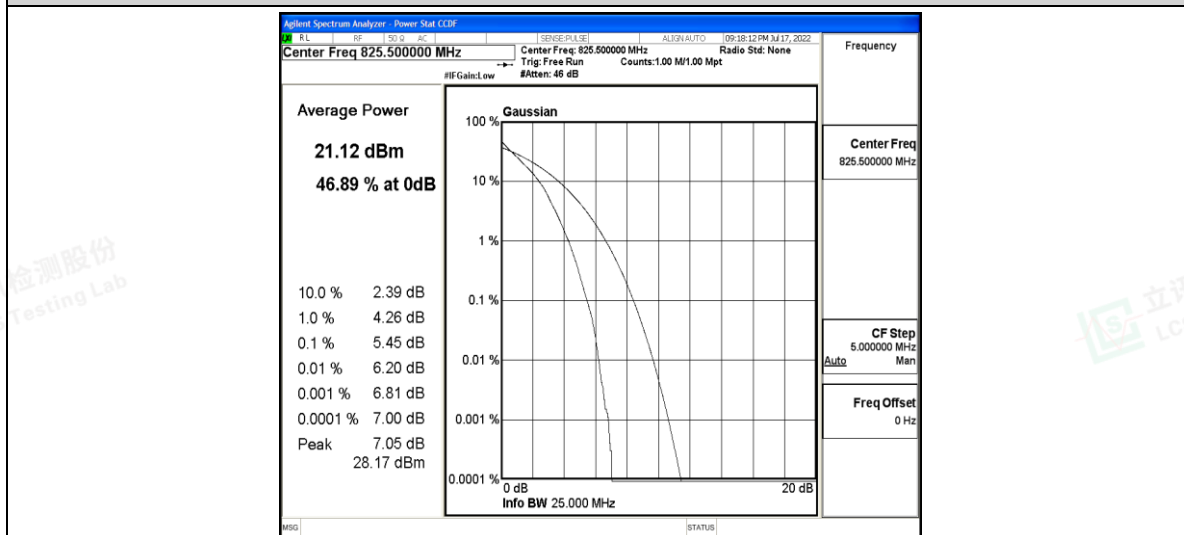


Band5-1.4MHz-16QAM-20643-6RB#0

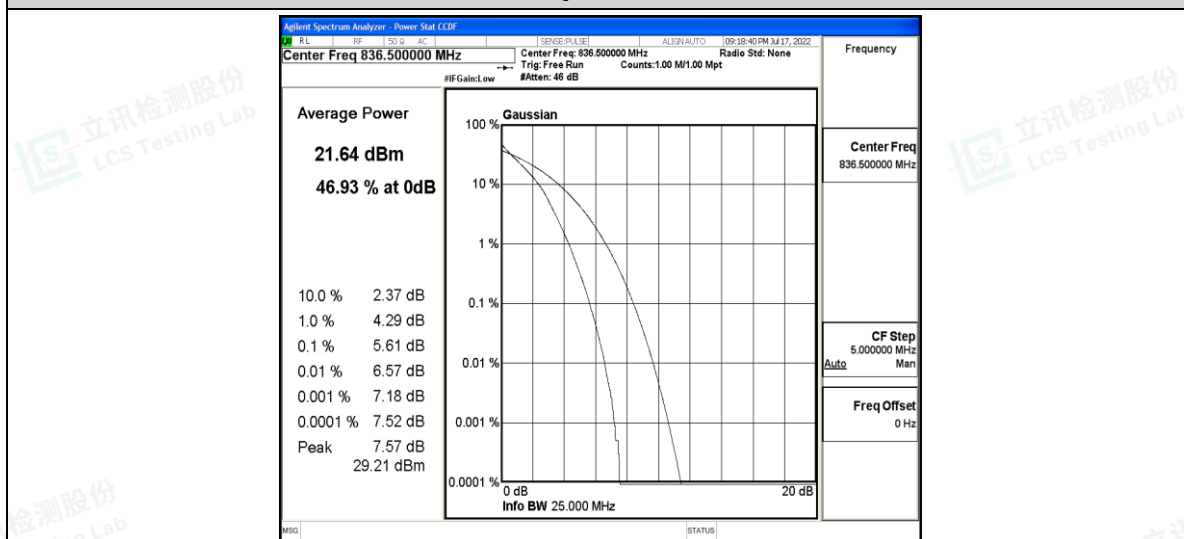




## Band5-3MHz-QPSK-20415-15RB#0



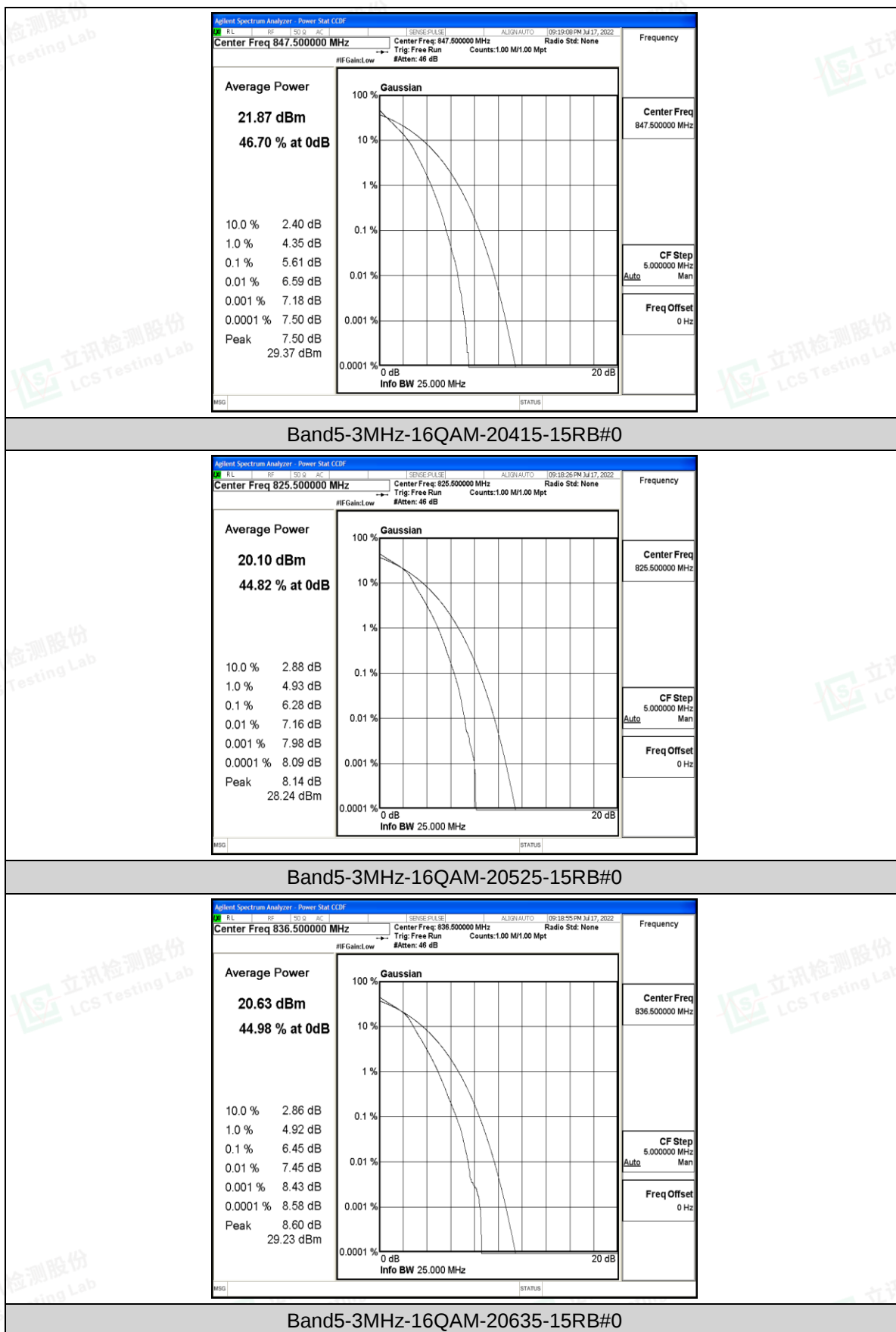
## Band5-3MHz-QPSK-20525-15RB#0

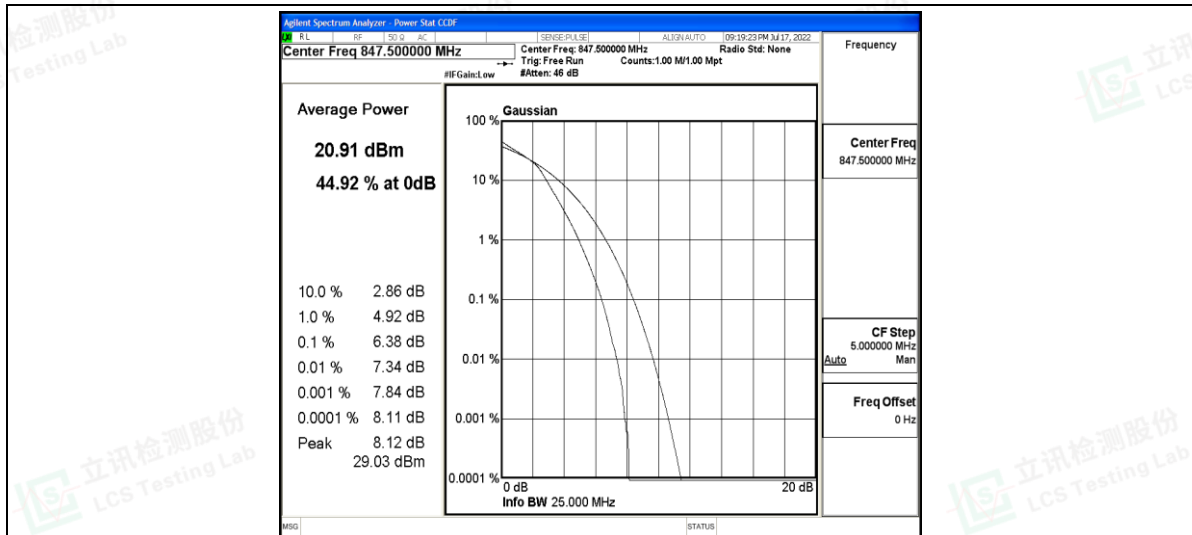


## Band5-3MHz-QPSK-20635-15RB#0

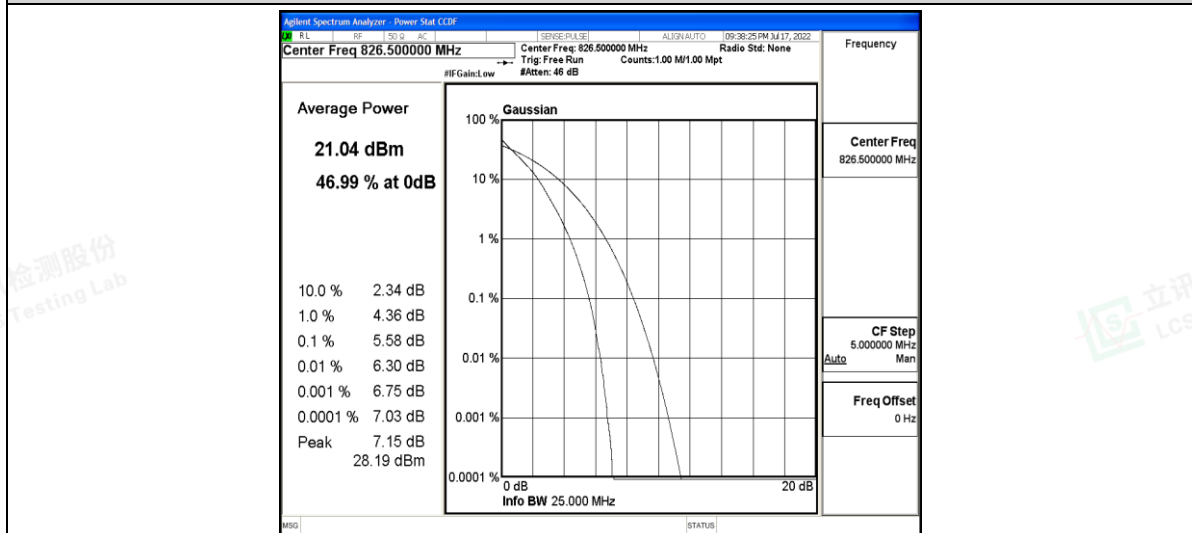


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Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com  
Scan code to check authenticity

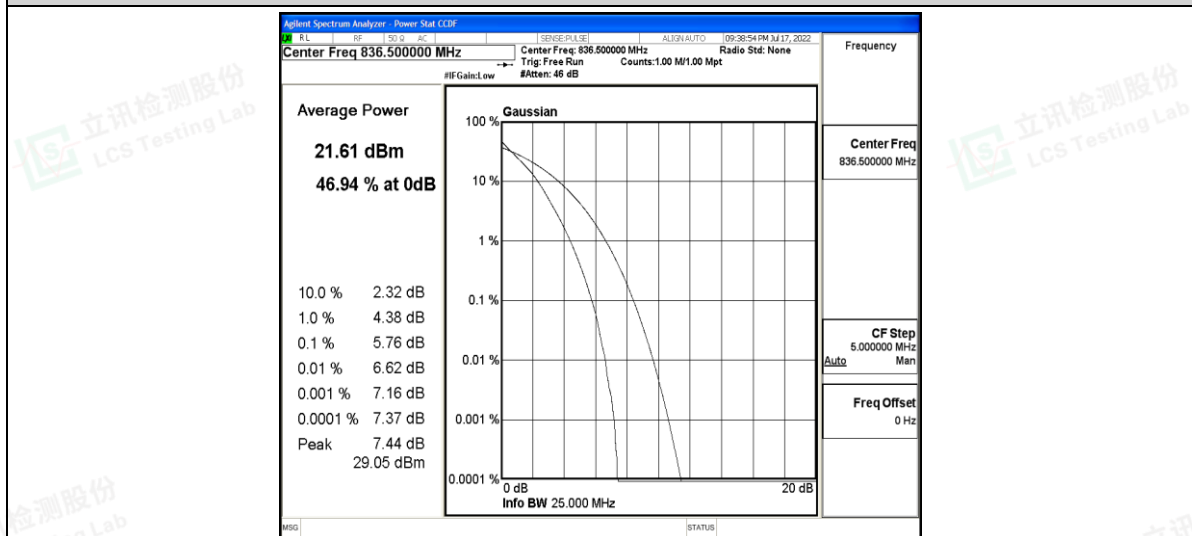




Band5-5MHz-QPSK-20425-25RB#0

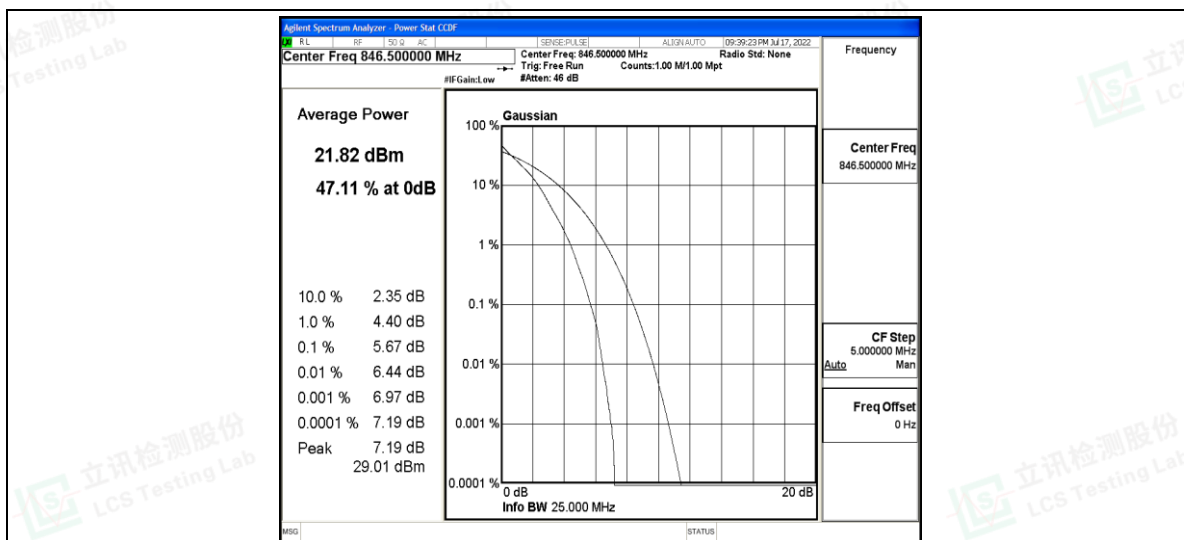


Band5-5MHz-QPSK-20525-25RB#0

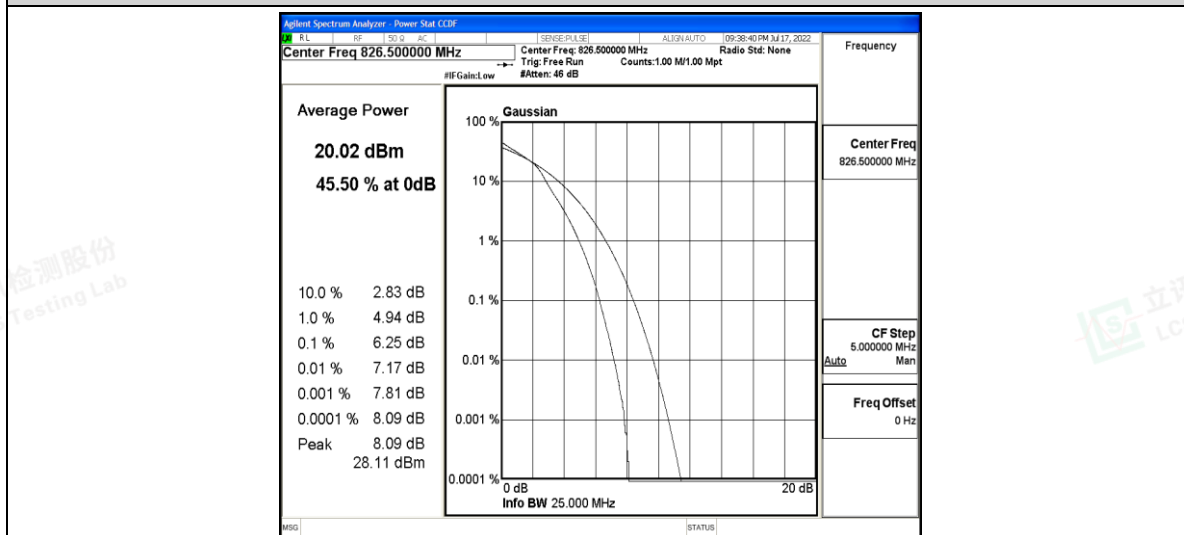


Band5-5MHz-QPSK-20625-25RB#0

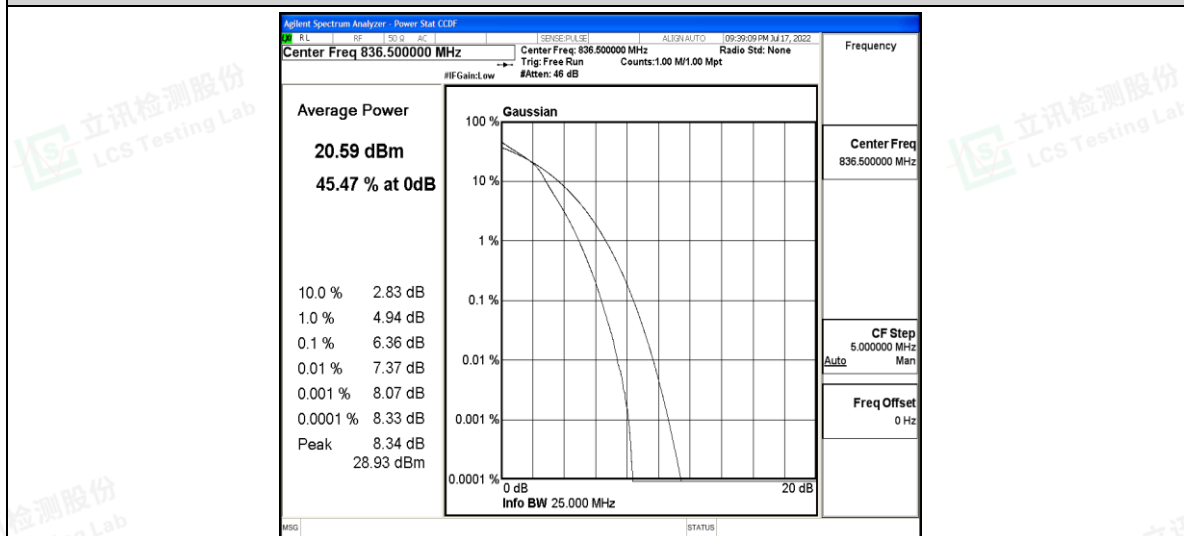




Band5-5MHz-16QAM-20425-25RB#0

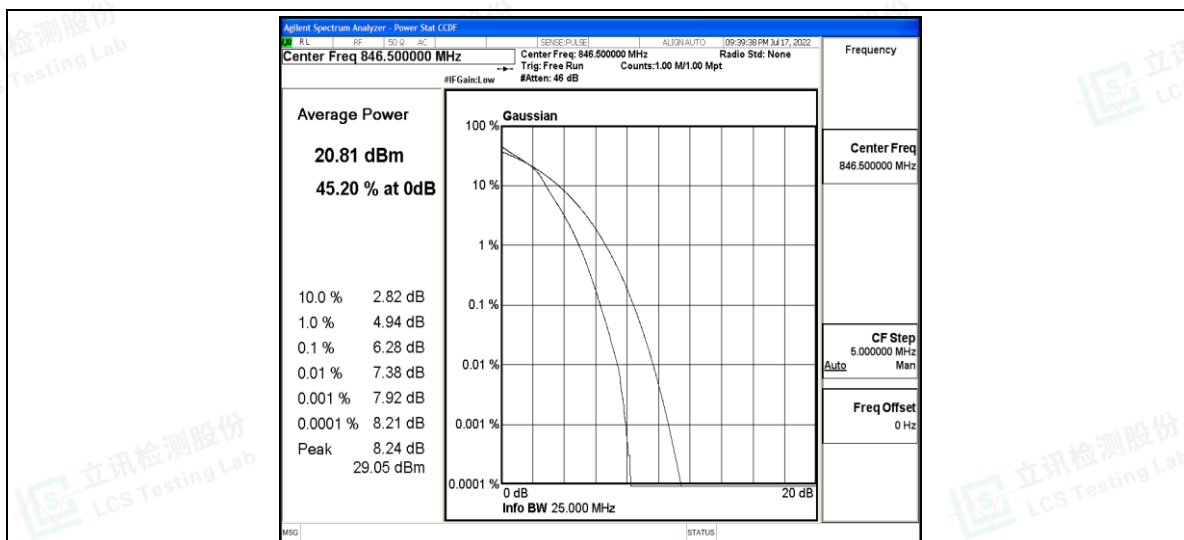


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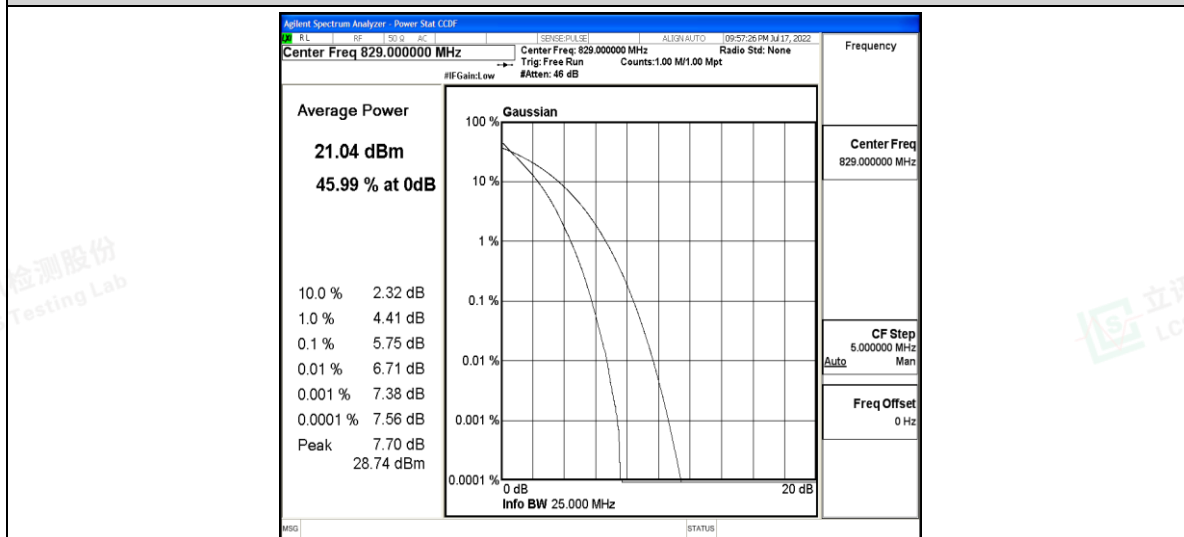


Band5-5MHz-16QAM-20625-25RB#0

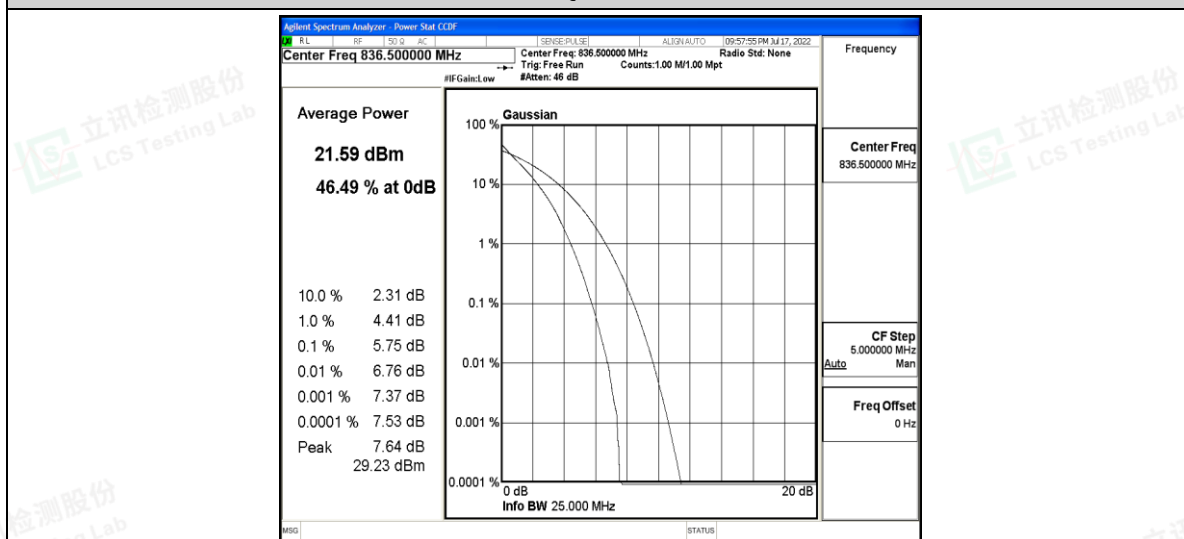




## Band5-10MHz-QPSK-20450-50RB#0



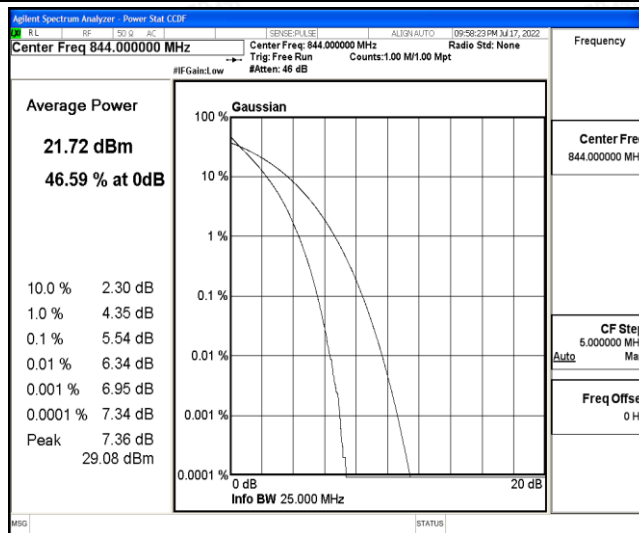
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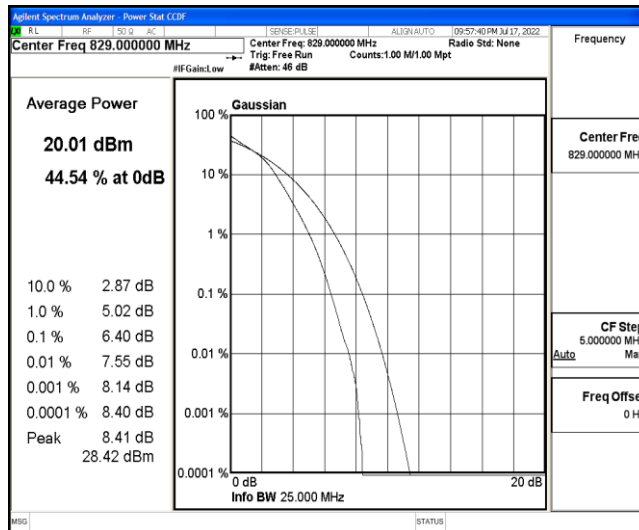
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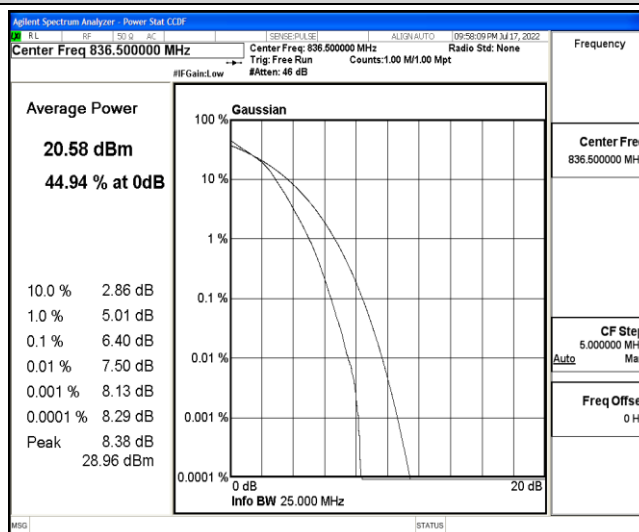
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Band5-10MHz-16QAM-20450-50RB#0

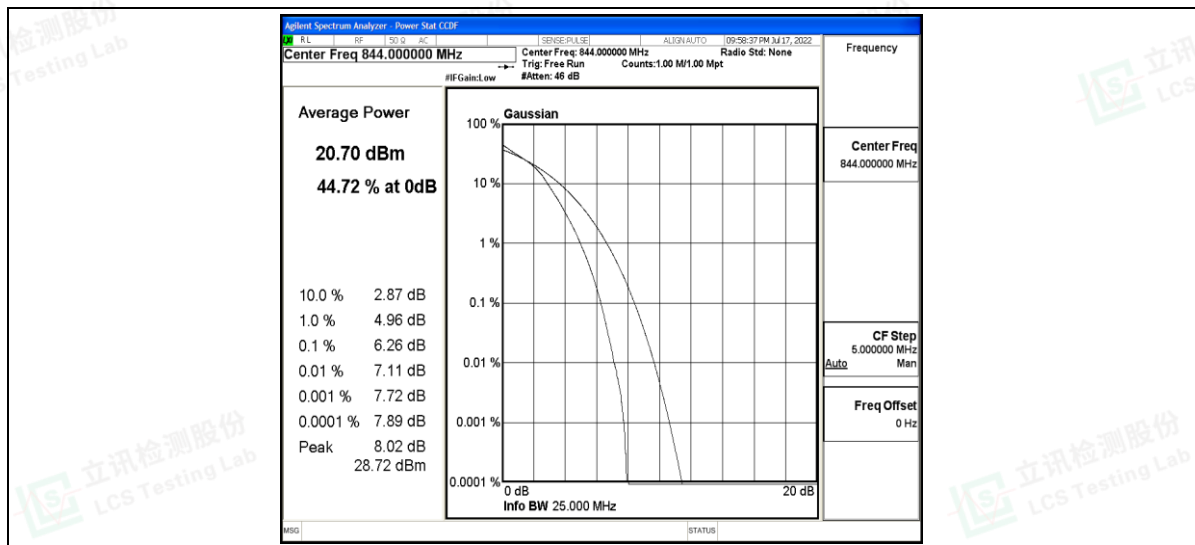


Band5-10MHz-16QAM-20525-50RB#0



Band5-10MHz-16QAM-20600-50RB#0







## D.3 26dB Bandwidth and Occupied Bandwidth

### Test Result

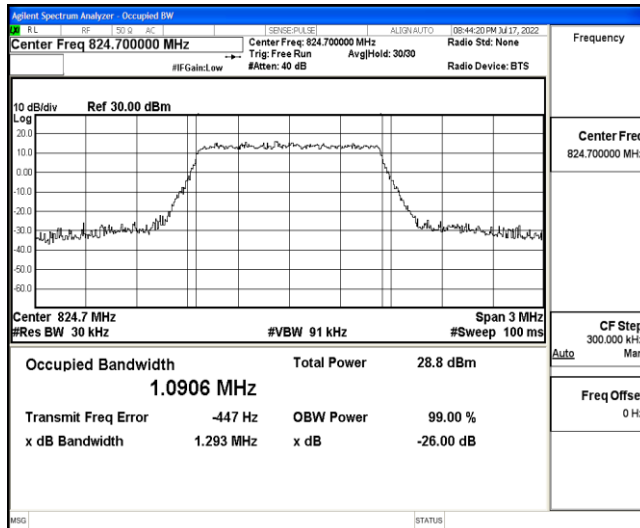
| Band  | Bandwidth | Modulation | Channel | RB Configuration | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|-------|-----------|------------|---------|------------------|--------------------------|----------------------|---------|
| Band5 | 1.4MHz    | QPSK       | 20407   | 6RB#0            | 1.0906                   | 1.293                | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 6RB#0            | 1.0917                   | 1.299                | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 6RB#0            | 1.0930                   | 1.289                | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 6RB#0            | 1.0944                   | 1.295                | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20525   | 6RB#0            | 1.0932                   | 1.280                | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20643   | 6RB#0            | 1.0947                   | 1.270                | PASS    |
| Band5 | 3MHz      | QPSK       | 20415   | 15RB#0           | 2.6864                   | 2.878                | PASS    |
| Band5 | 3MHz      | QPSK       | 20525   | 15RB#0           | 2.6884                   | 2.915                | PASS    |
| Band5 | 3MHz      | QPSK       | 20635   | 15RB#0           | 2.6903                   | 2.890                | PASS    |
| Band5 | 3MHz      | 16QAM      | 20415   | 15RB#0           | 2.6766                   | 2.889                | PASS    |
| Band5 | 3MHz      | 16QAM      | 20525   | 15RB#0           | 2.6770                   | 2.883                | PASS    |
| Band5 | 3MHz      | 16QAM      | 20635   | 15RB#0           | 2.6874                   | 2.914                | PASS    |
| Band5 | 5MHz      | QPSK       | 20425   | 25RB#0           | 4.4923                   | 4.938                | PASS    |
| Band5 | 5MHz      | QPSK       | 20525   | 25RB#0           | 4.4950                   | 4.939                | PASS    |
| Band5 | 5MHz      | QPSK       | 20625   | 25RB#0           | 4.4930                   | 4.926                | PASS    |
| Band5 | 5MHz      | 16QAM      | 20425   | 25RB#0           | 4.4886                   | 4.926                | PASS    |
| Band5 | 5MHz      | 16QAM      | 20525   | 25RB#0           | 4.4893                   | 4.893                | PASS    |
| Band5 | 5MHz      | 16QAM      | 20625   | 25RB#0           | 4.4928                   | 4.980                | PASS    |
| Band5 | 10MHz     | QPSK       | 20450   | 50RB#0           | 8.9752                   | 9.805                | PASS    |
| Band5 | 10MHz     | QPSK       | 20525   | 50RB#0           | 8.9830                   | 9.843                | PASS    |
| Band5 | 10MHz     | QPSK       | 20600   | 50RB#0           | 8.9942                   | 9.760                | PASS    |
| Band5 | 10MHz     | 16QAM      | 20450   | 50RB#0           | 8.9690                   | 9.743                | PASS    |
| Band5 | 10MHz     | 16QAM      | 20525   | 50RB#0           | 8.9781                   | 9.722                | PASS    |
| Band5 | 10MHz     | 16QAM      | 20600   | 50RB#0           | 8.9745                   | 9.753                | PASS    |



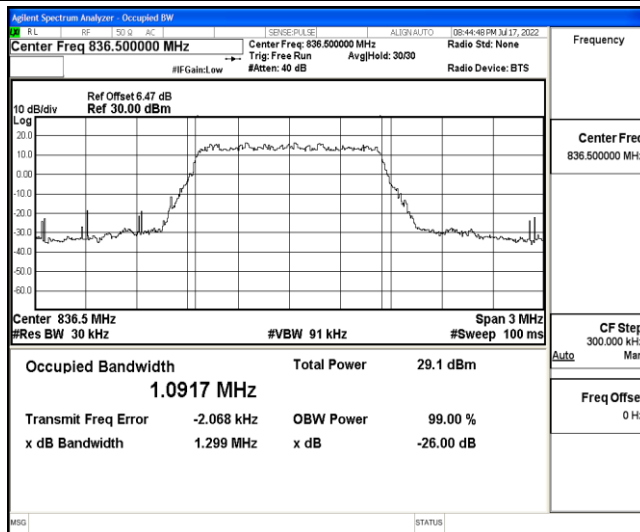


## Test Graphs

Band5-1.4MHz-QPSK-20407-6RB#0

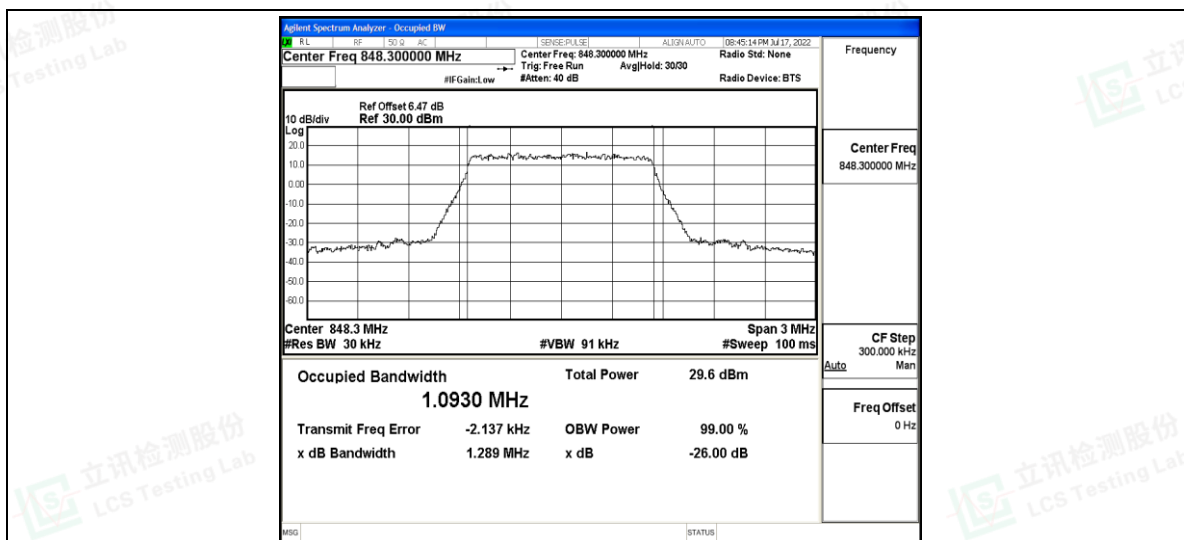


Band5-1.4MHz-QPSK-20525-6RB#0

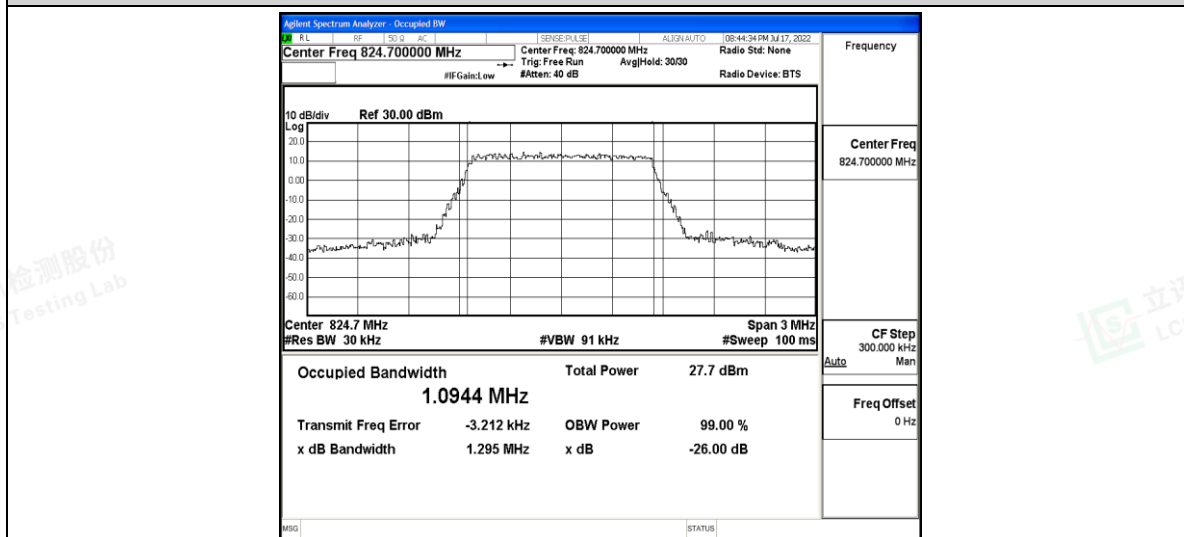


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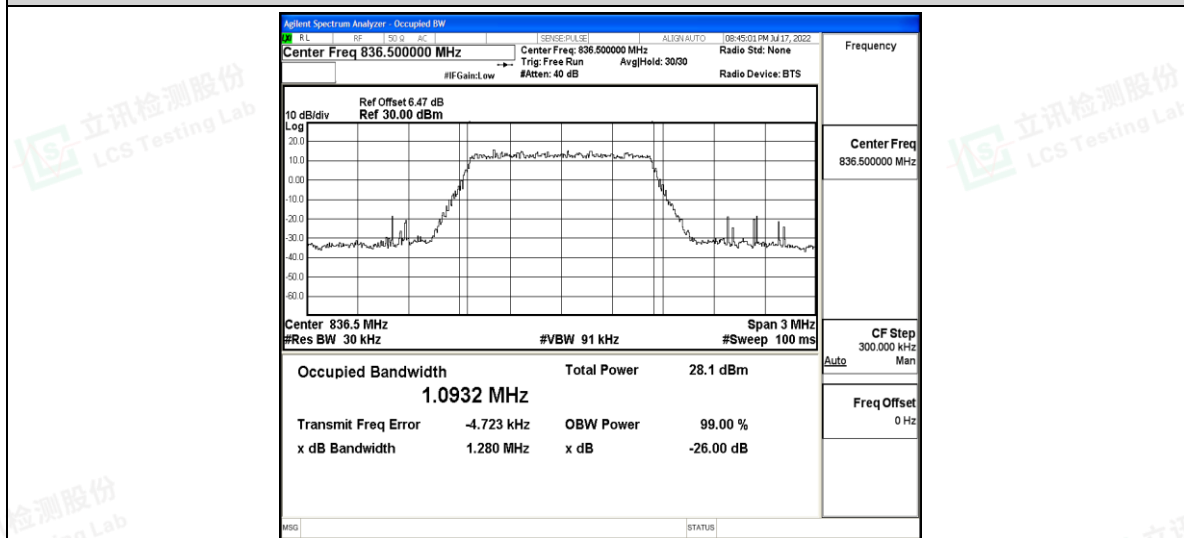




Band5-1.4MHz-16QAM-20407-6RB#0

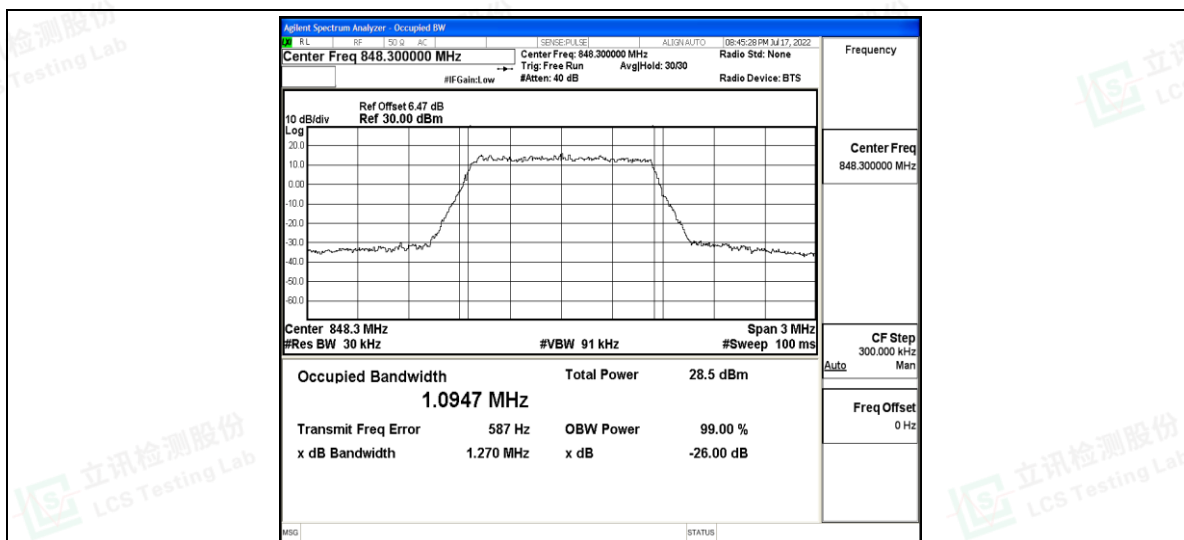


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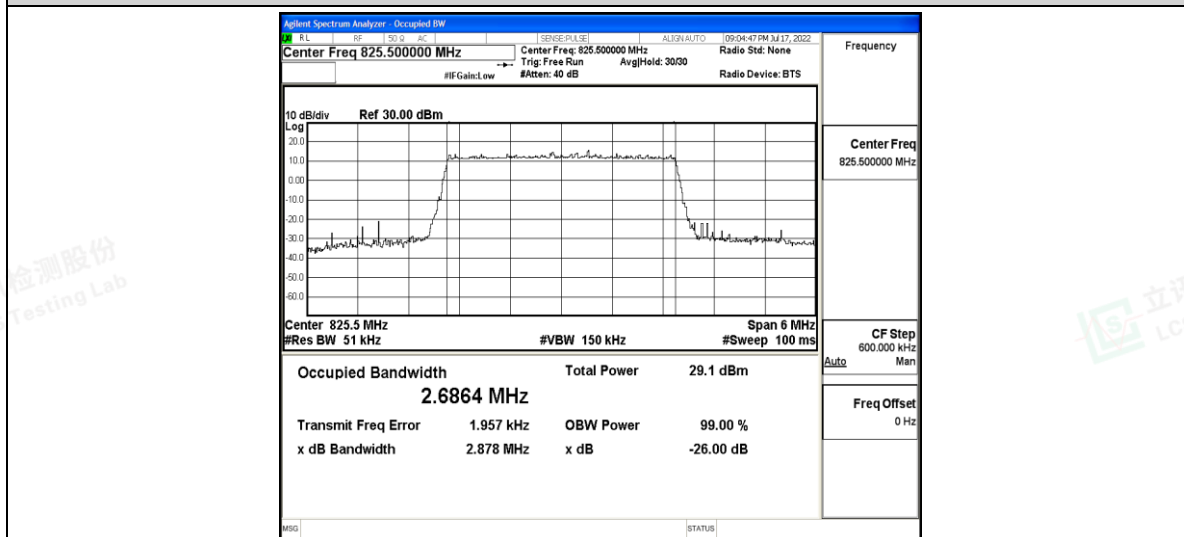


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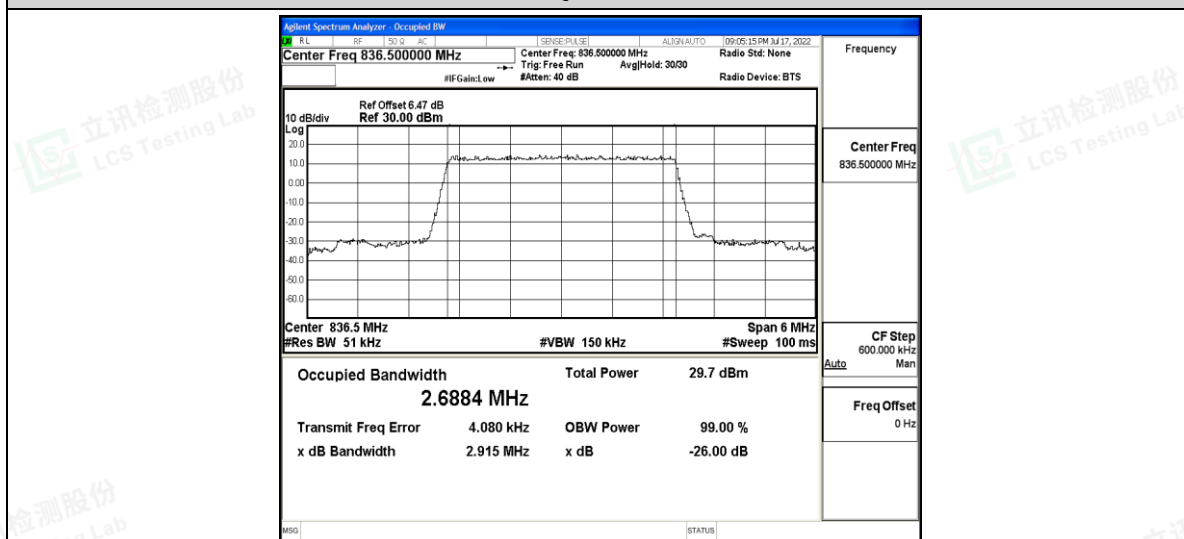




## Band5-3MHz-QPSK-20415-15RB#0



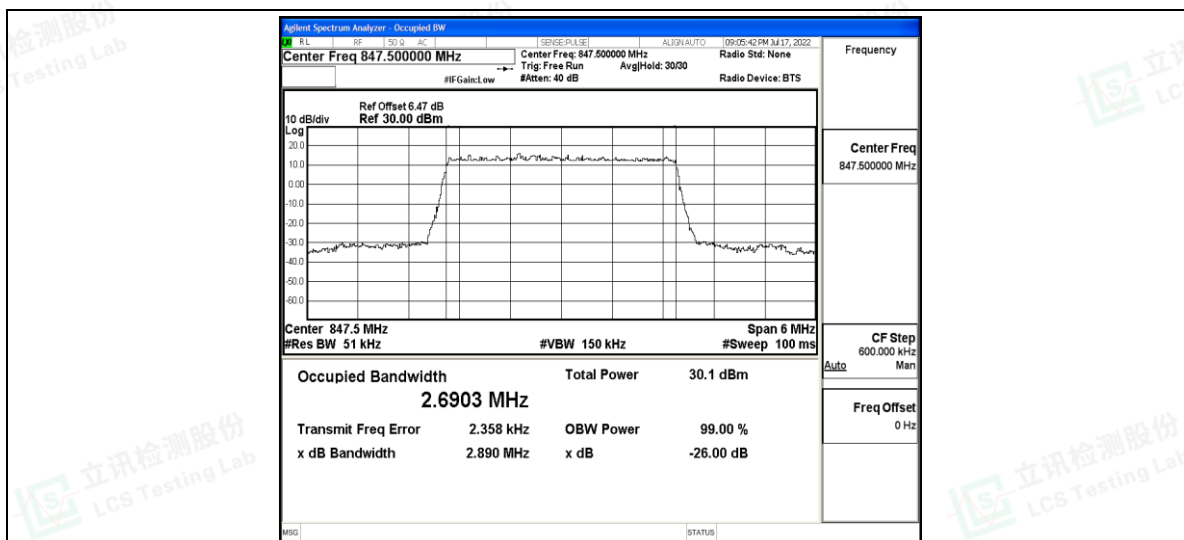
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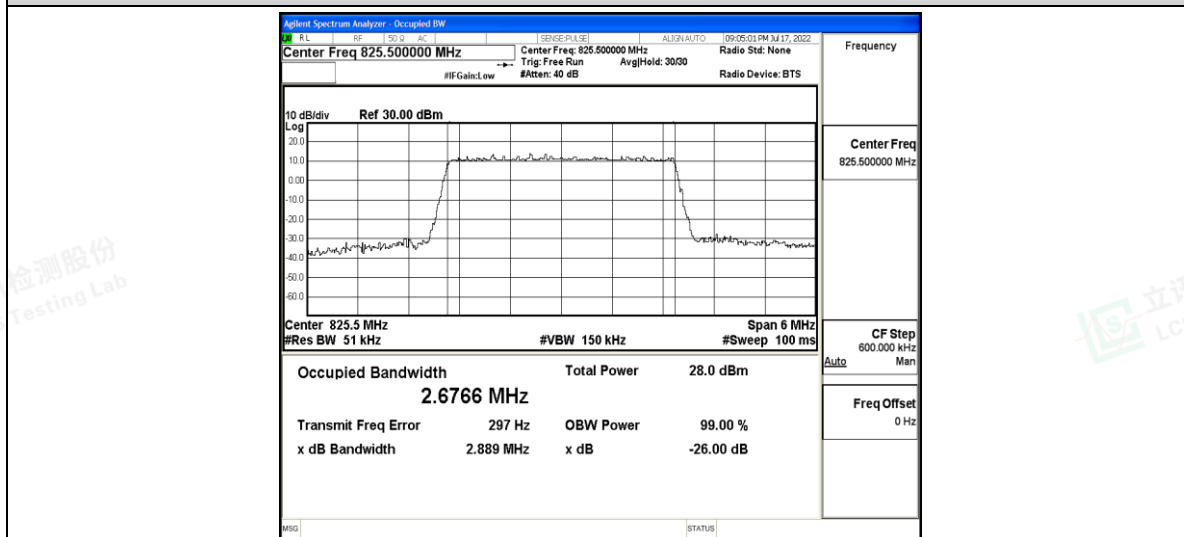
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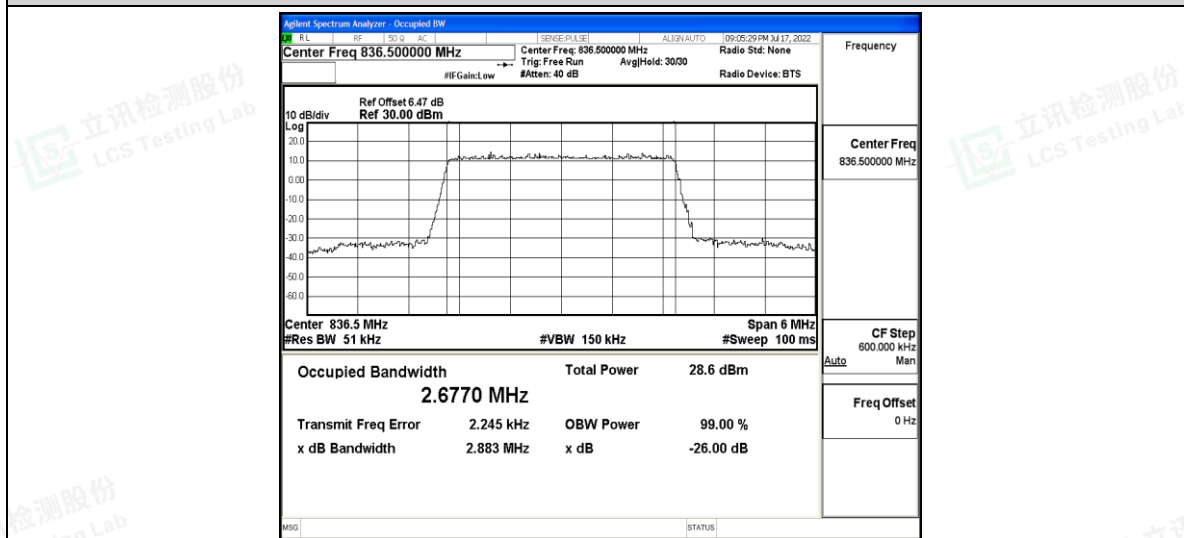
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## Band5-3MHz-16QAM-20415-15RB#0



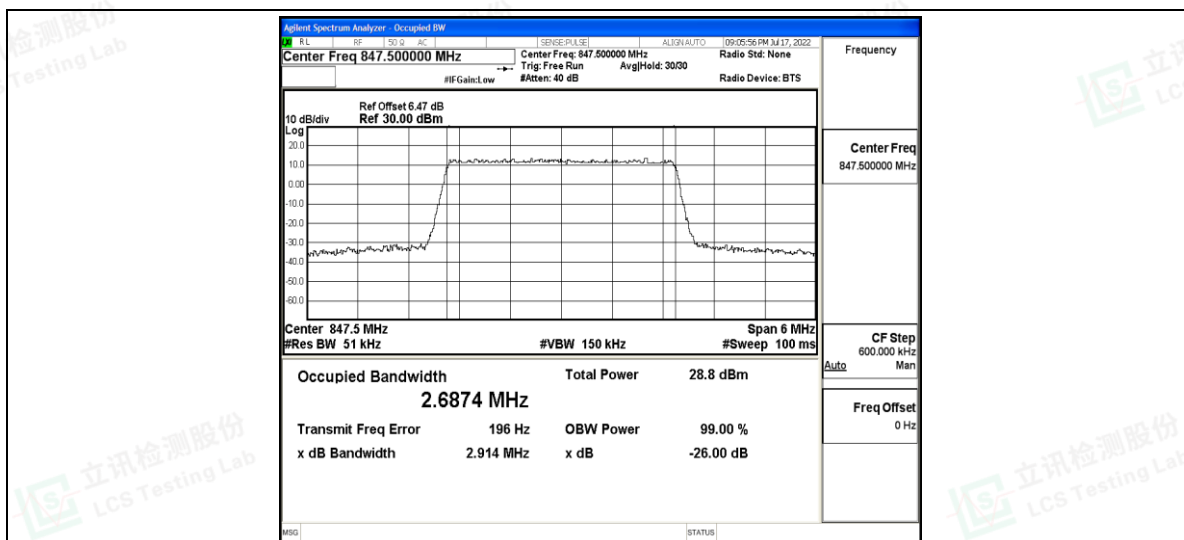
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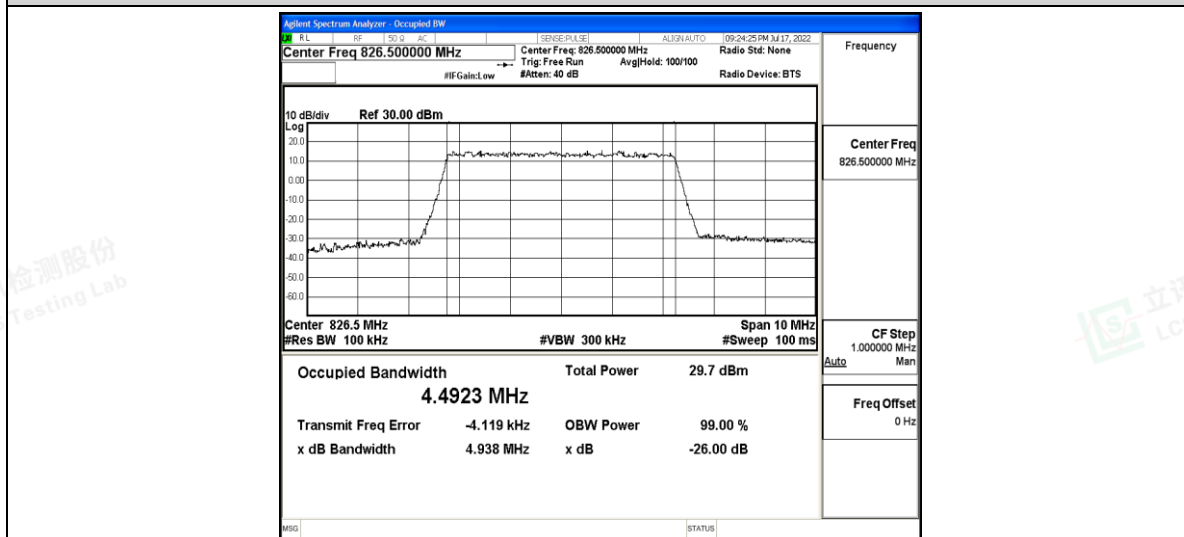
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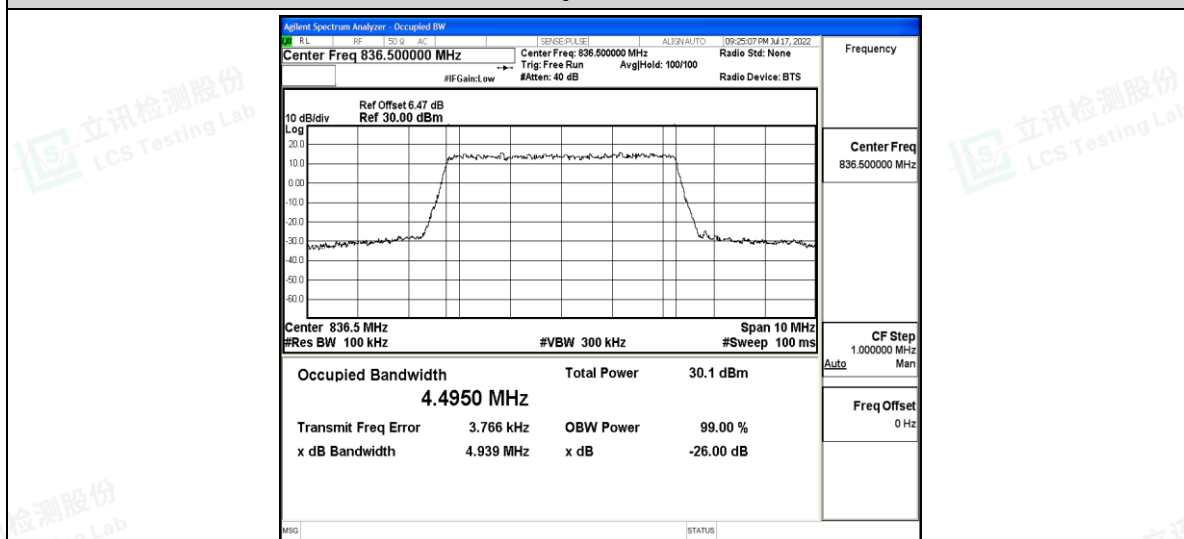
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## Band5-5MHz-QPSK-20425-25RB#0



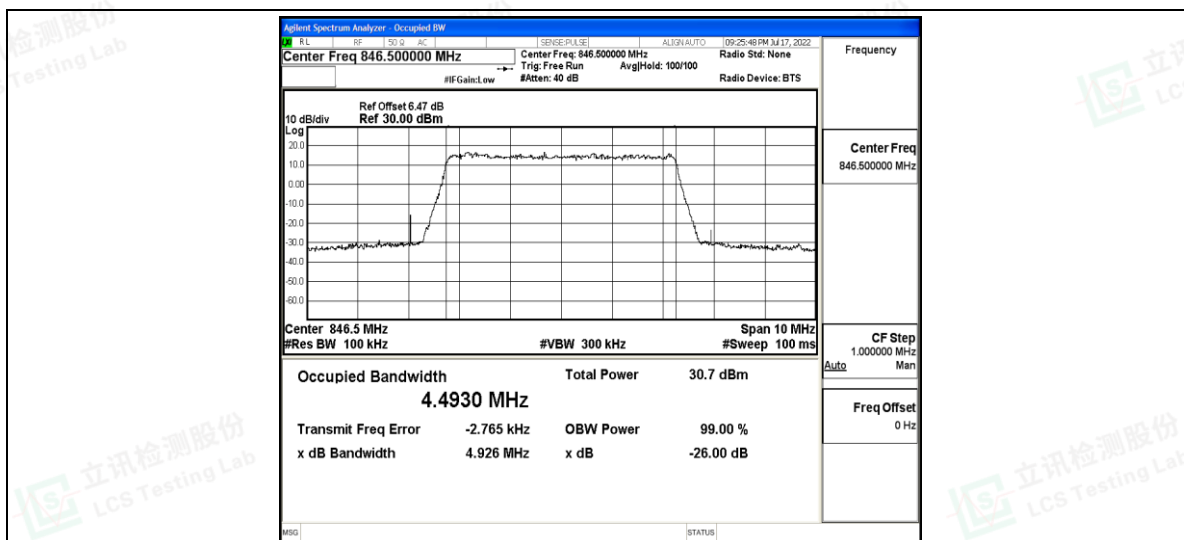
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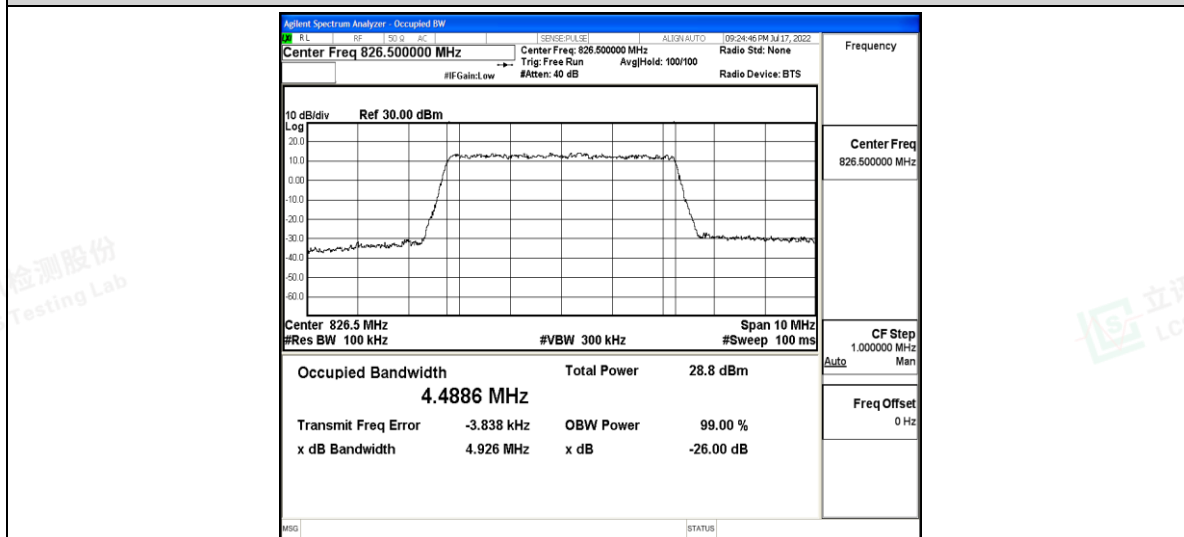
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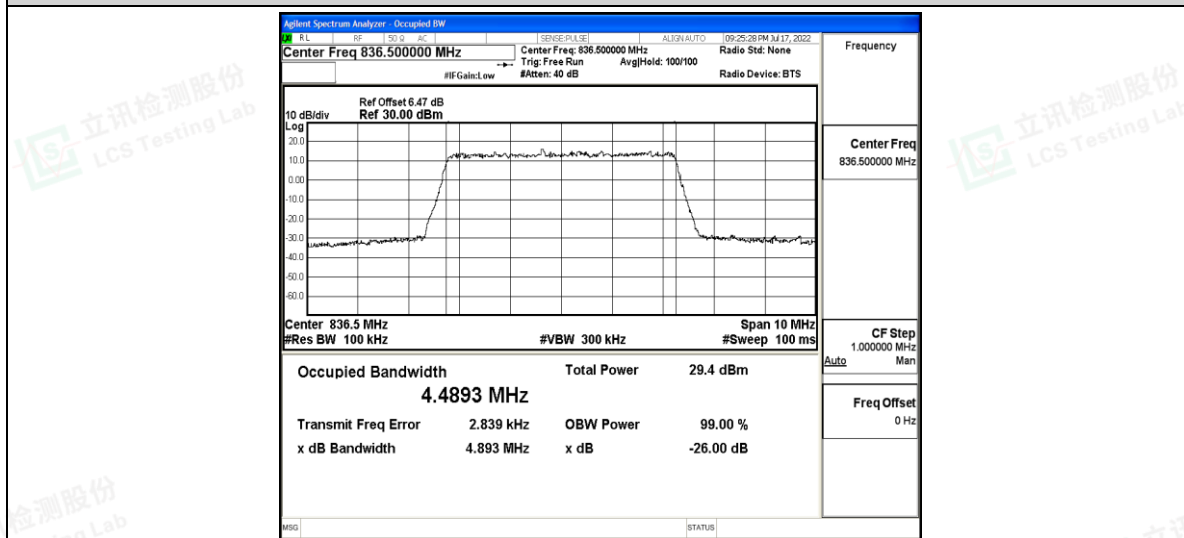
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## Band5-5MHz-16QAM-20425-25RB#0



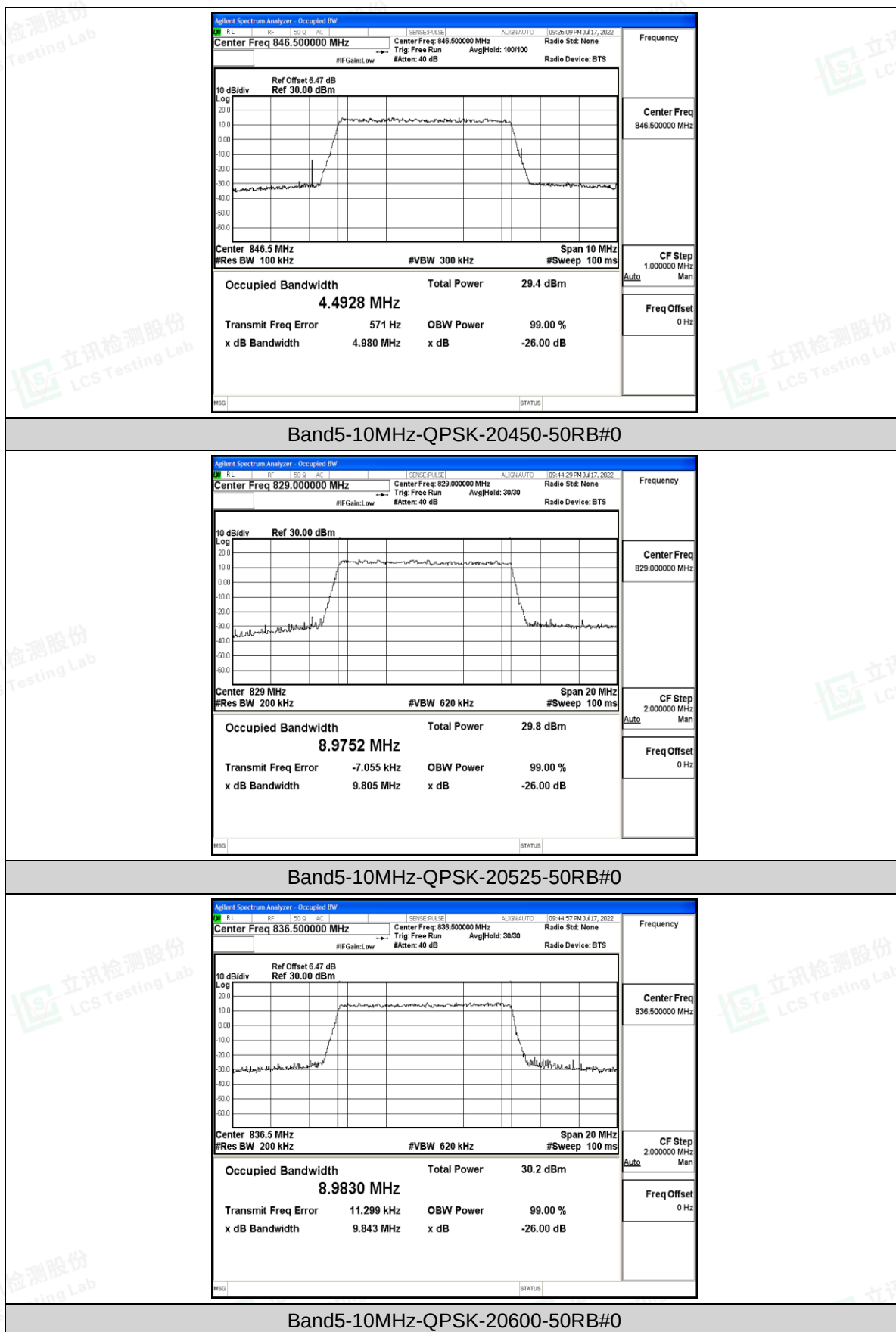
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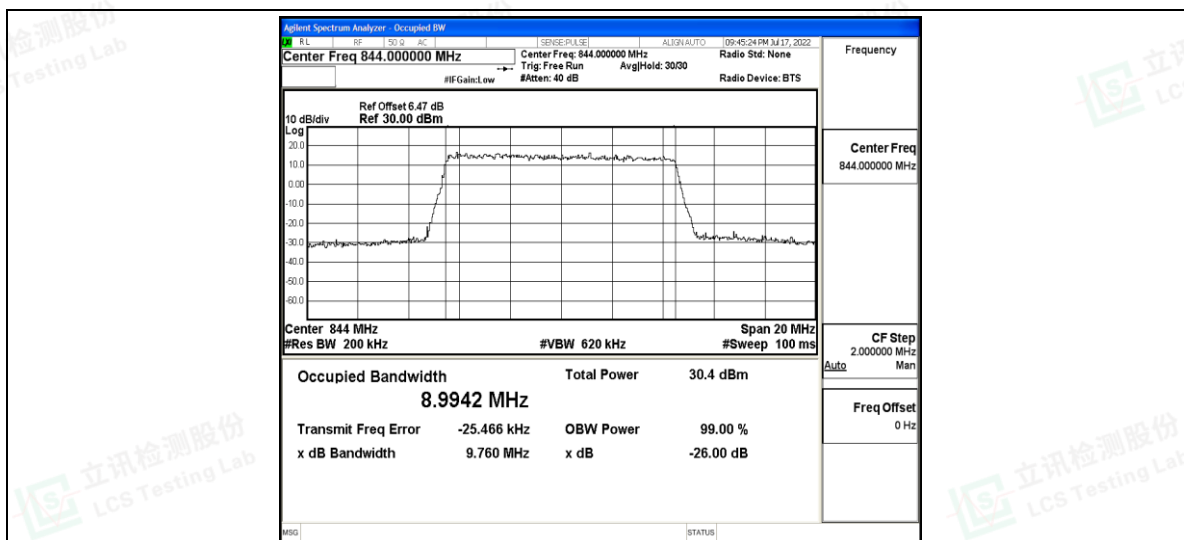


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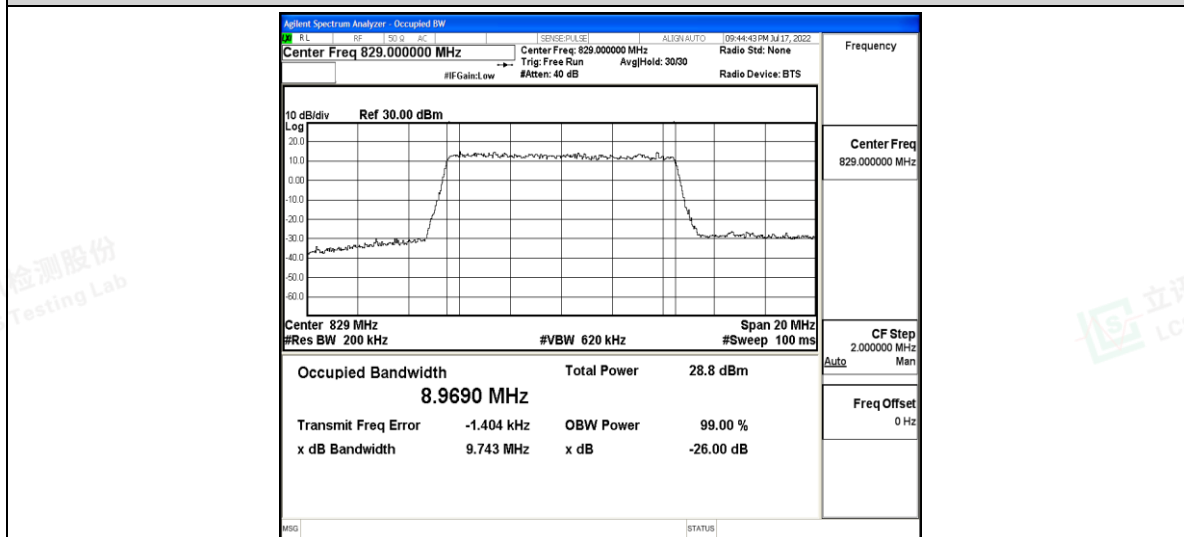


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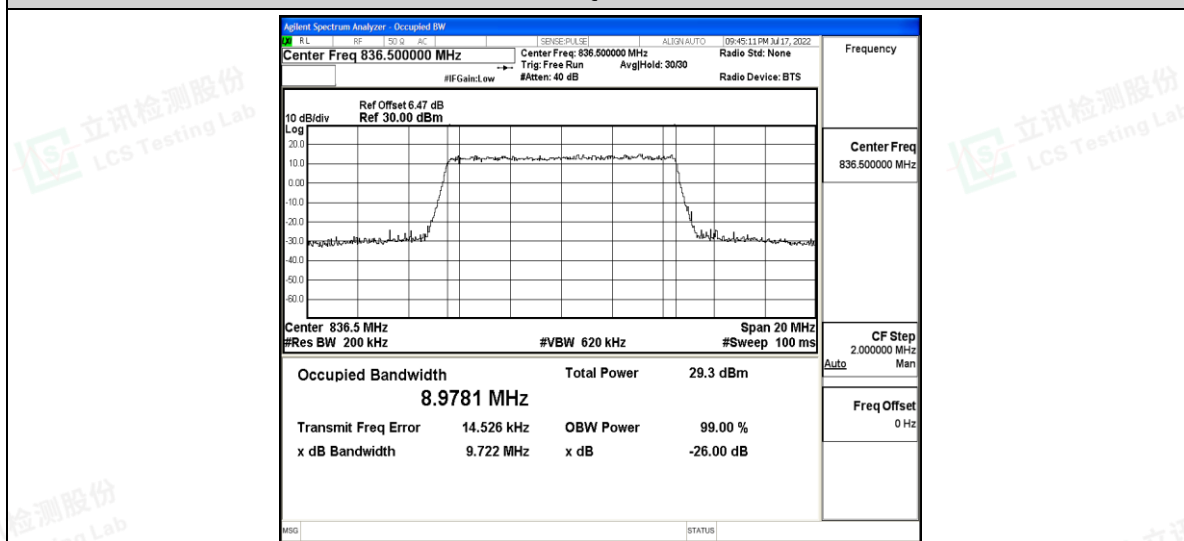




## Band5-10MHz-16QAM-20450-50RB#0



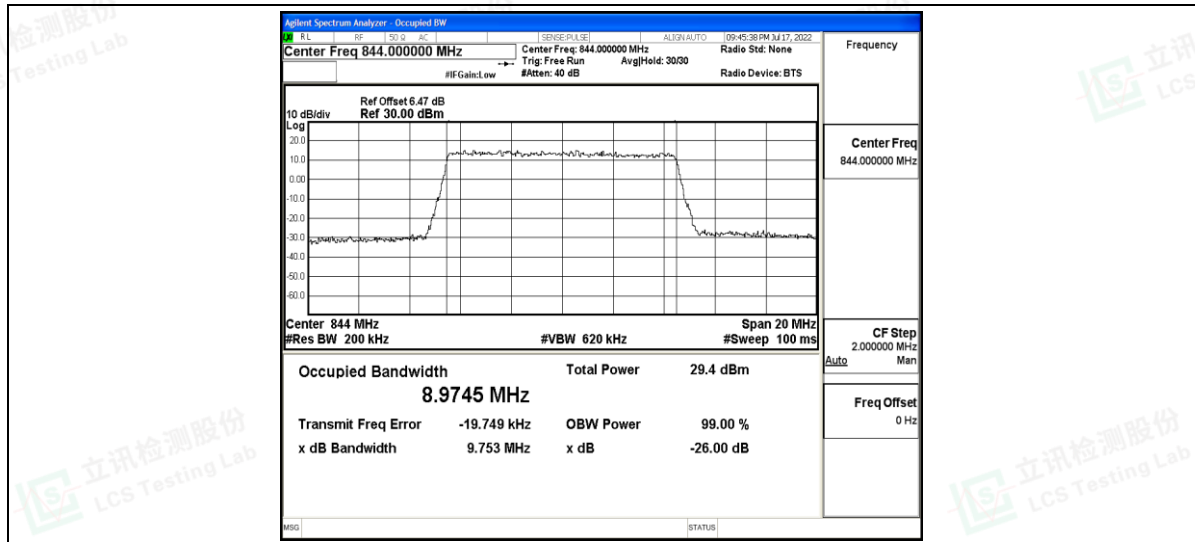
## Band5-10MHz-16QAM-20525-50RB#0



## Band5-10MHz-16QAM-20600-50RB#0



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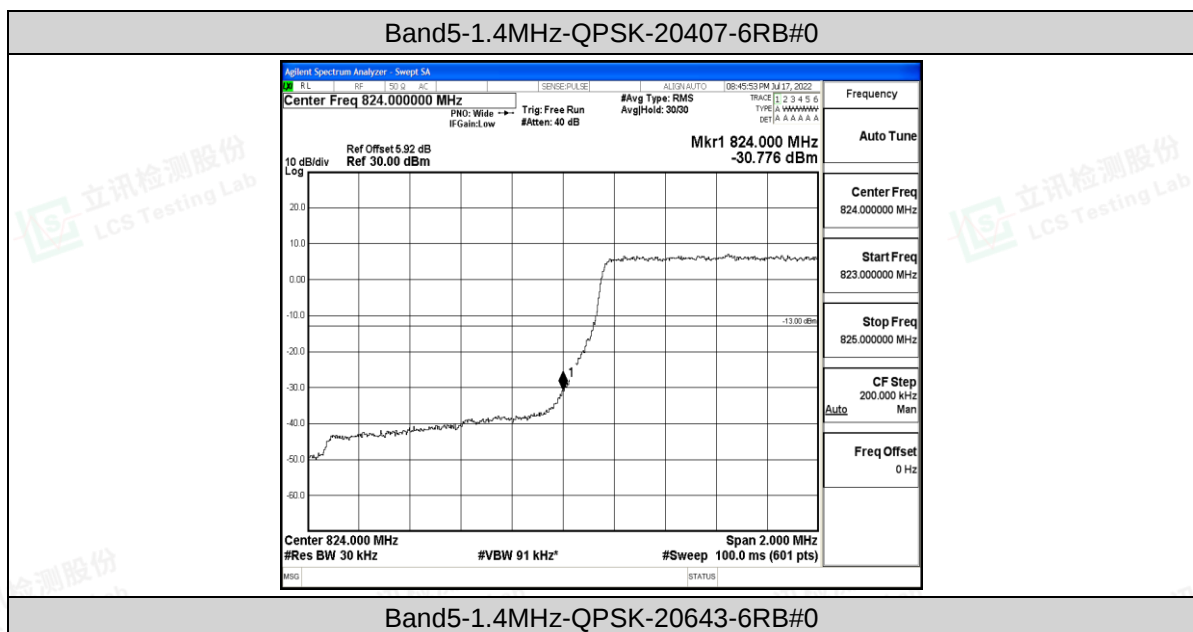


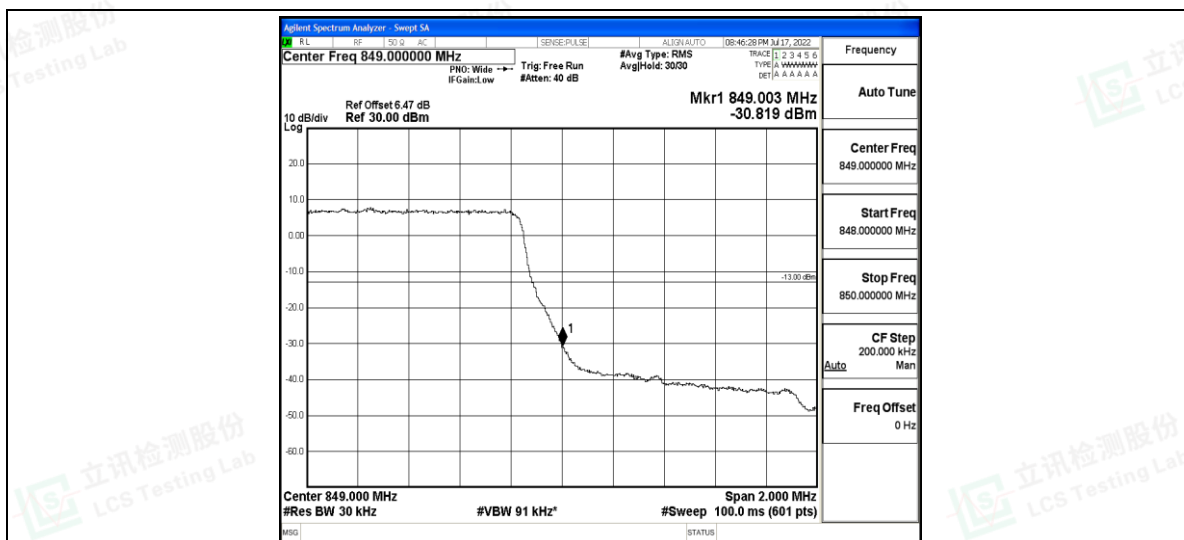
## D.4 Band Edge

### Test Result

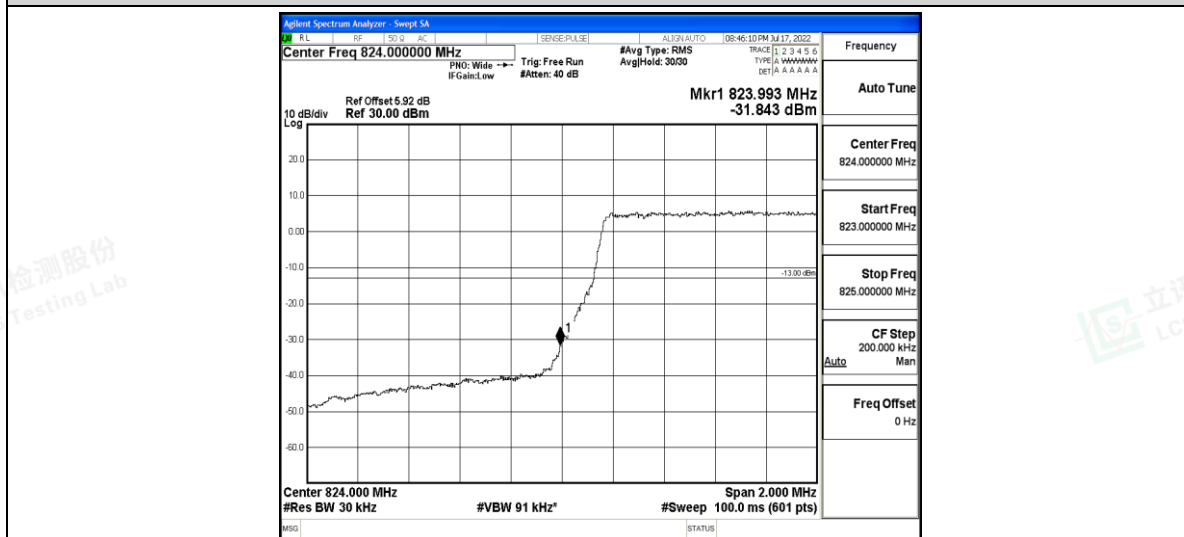
| Band  | Bandwidth | Modulation | Channel | RB Configuration | Result(dBm) | Verdict |
|-------|-----------|------------|---------|------------------|-------------|---------|
| Band5 | 1.4MHz    | QPSK       | 20407   | 6RB#0            | -30.78      | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 6RB#0            | -30.82      | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 6RB#0            | -31.84      | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20643   | 6RB#0            | -31.48      | PASS    |
| Band5 | 3MHz      | QPSK       | 20415   | 15RB#0           | -32.45      | PASS    |
| Band5 | 3MHz      | QPSK       | 20635   | 15RB#0           | -33.35      | PASS    |
| Band5 | 3MHz      | 16QAM      | 20415   | 15RB#0           | -33.46      | PASS    |
| Band5 | 3MHz      | 16QAM      | 20635   | 15RB#0           | -33.89      | PASS    |
| Band5 | 5MHz      | QPSK       | 20425   | 25RB#0           | -30.11      | PASS    |
| Band5 | 5MHz      | QPSK       | 20625   | 25RB#0           | -30.40      | PASS    |
| Band5 | 5MHz      | 16QAM      | 20425   | 25RB#0           | -31.31      | PASS    |
| Band5 | 5MHz      | 16QAM      | 20625   | 25RB#0           | -30.61      | PASS    |
| Band5 | 10MHz     | QPSK       | 20450   | 50RB#0           | -33.27      | PASS    |
| Band5 | 10MHz     | QPSK       | 20600   | 50RB#0           | -33.61      | PASS    |
| Band5 | 10MHz     | 16QAM      | 20450   | 50RB#0           | -34.82      | PASS    |
| Band5 | 10MHz     | 16QAM      | 20600   | 50RB#0           | -34.02      | PASS    |

### Test Graphs

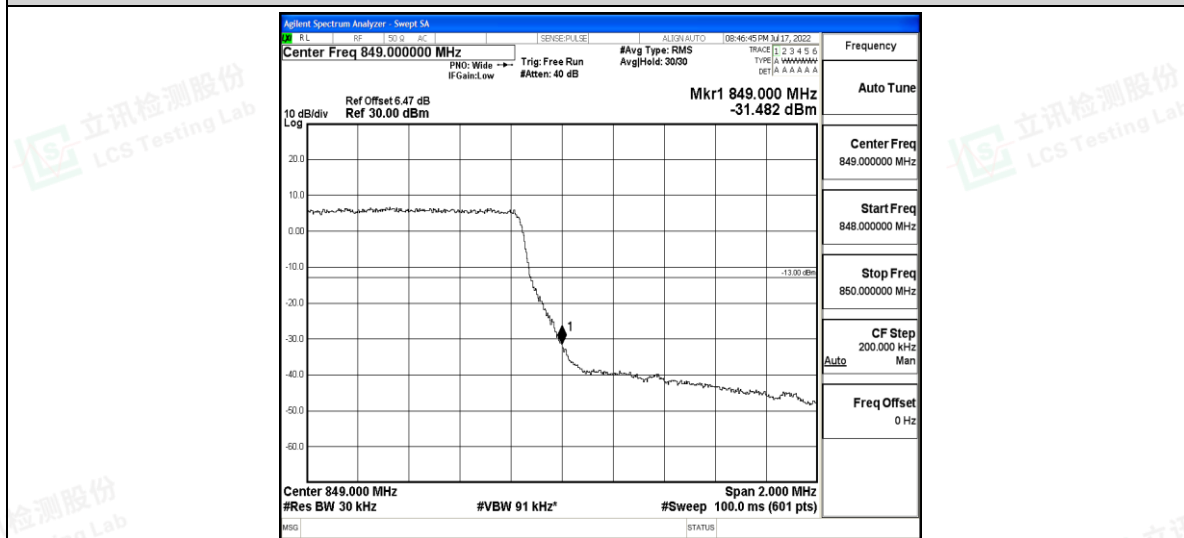




Band5-1.4MHz-16QAM-20407-6RB#0



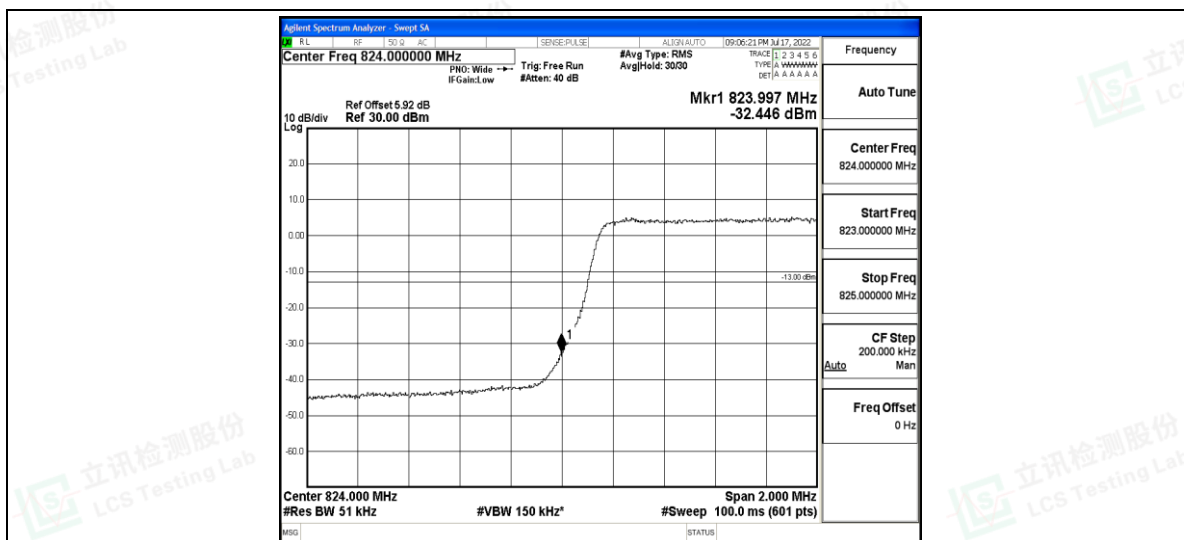
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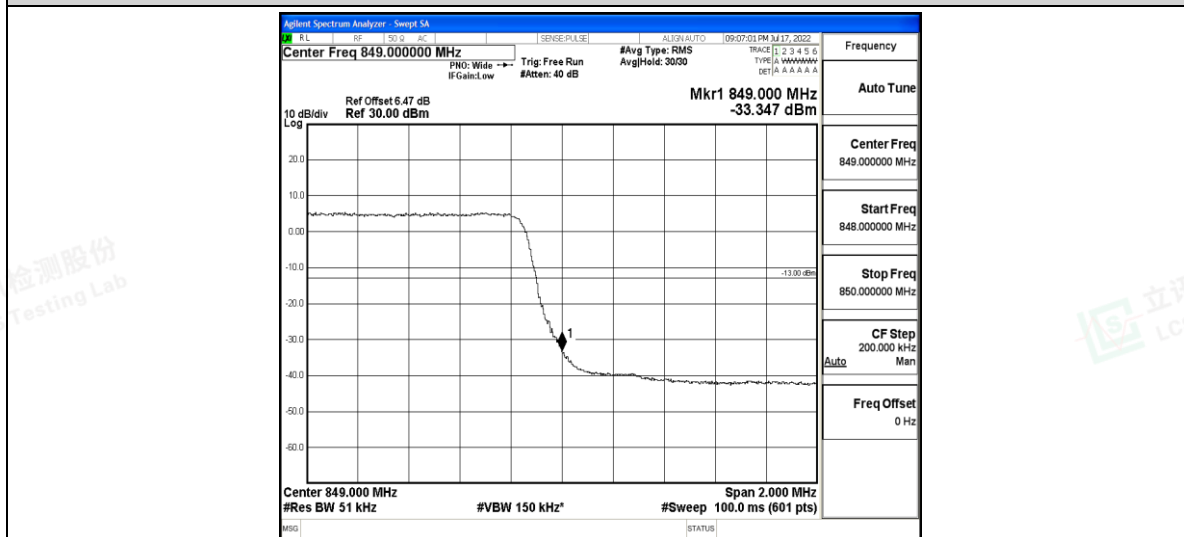
Band5-3MHz-QPSK-20415-15RB#0



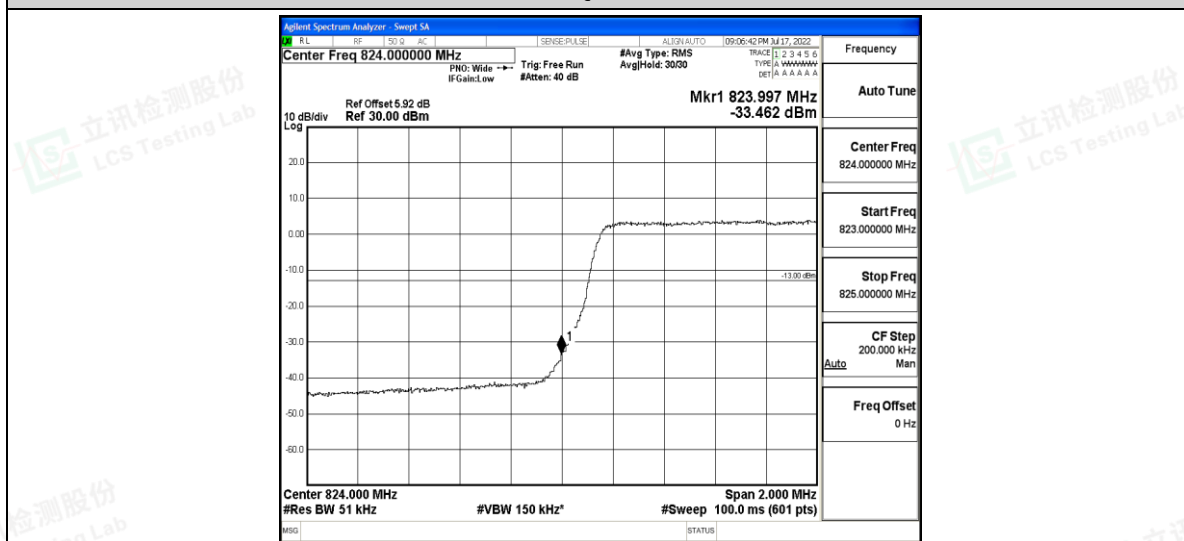
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## Band5-3MHz-QPSK-20635-15RB#0



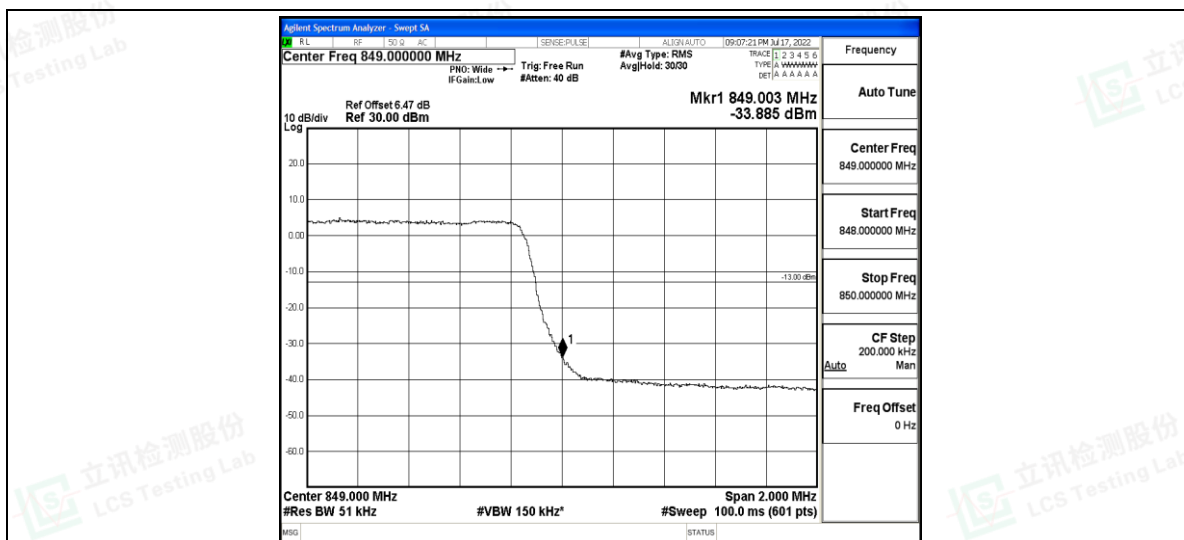
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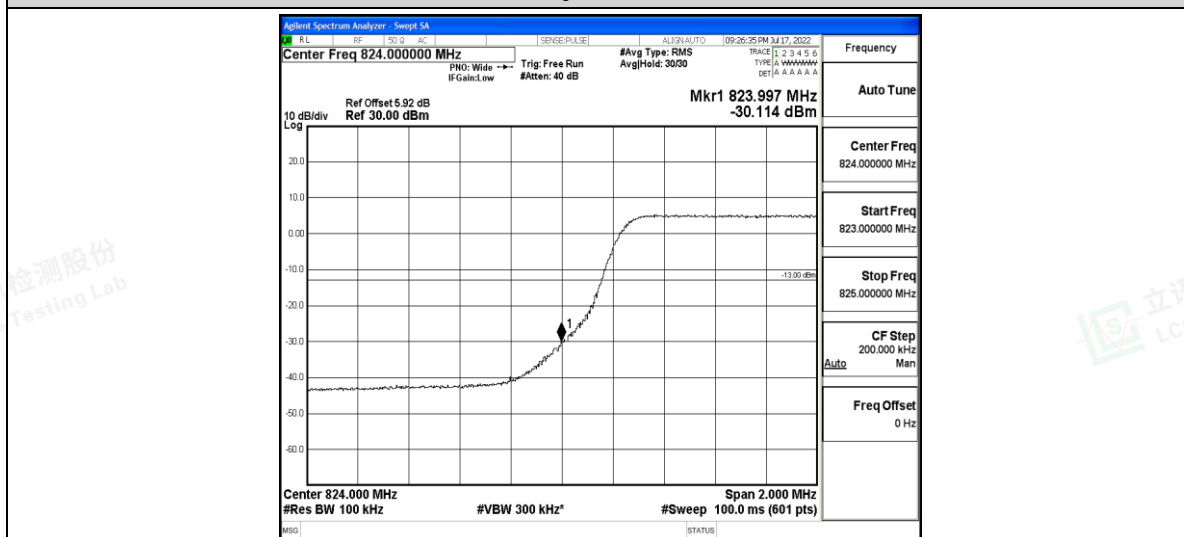
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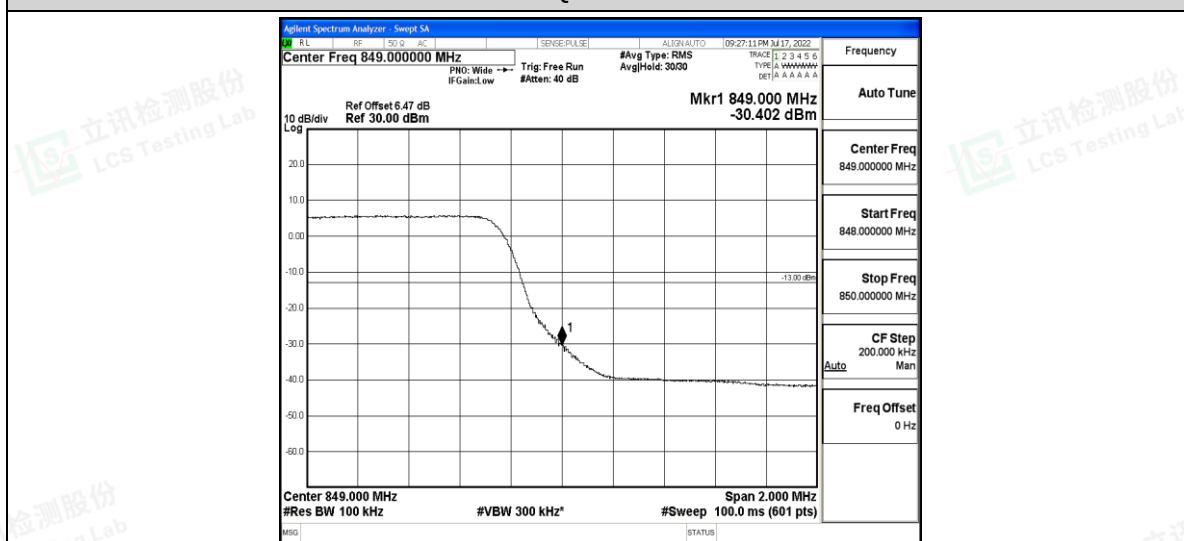
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Band5-5MHz-QPSK-20425-25RB#0



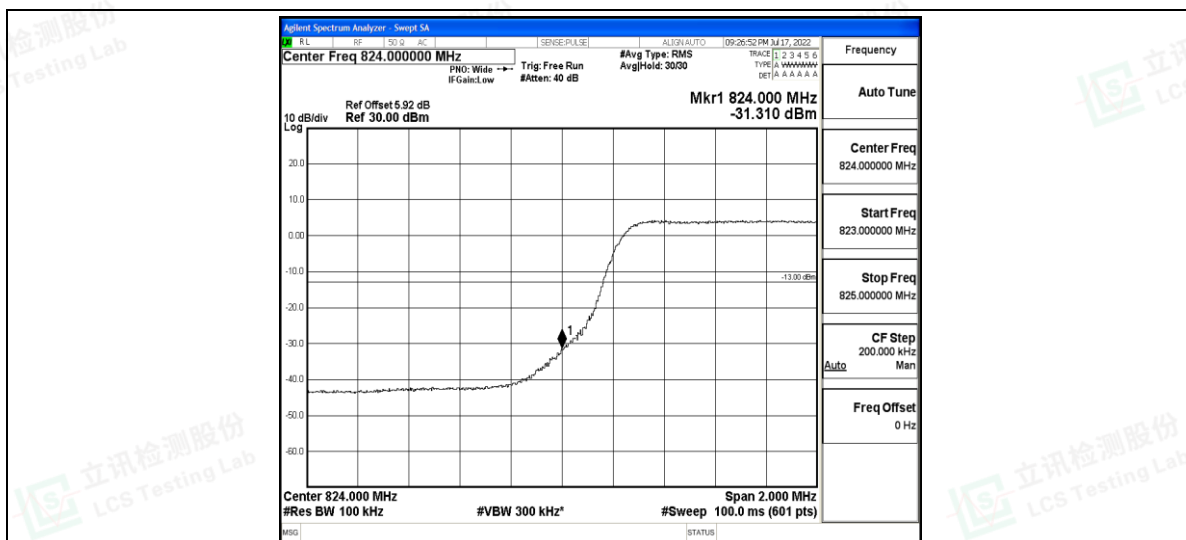
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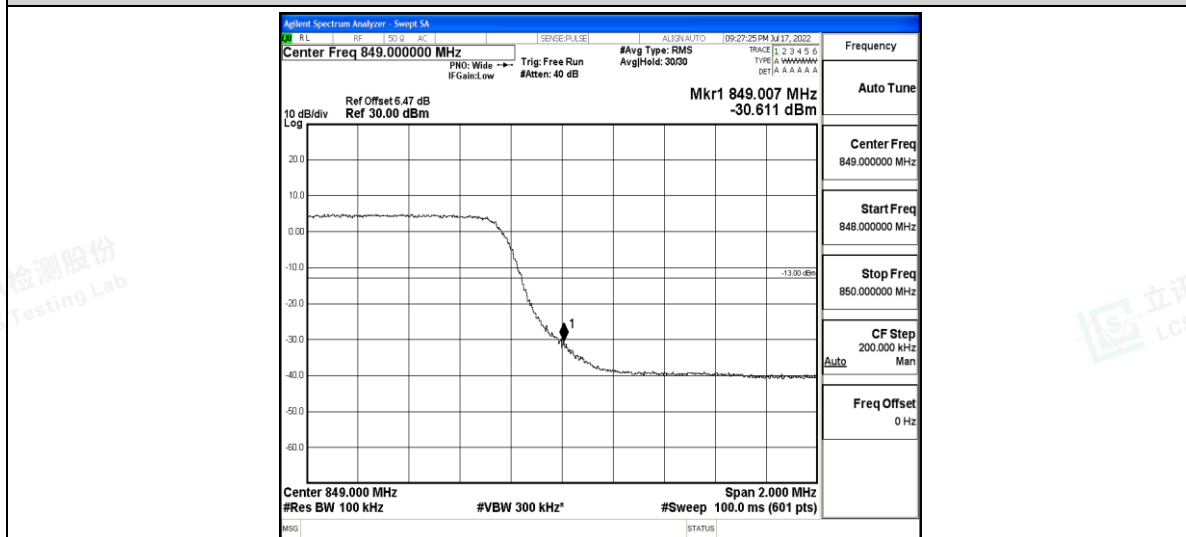
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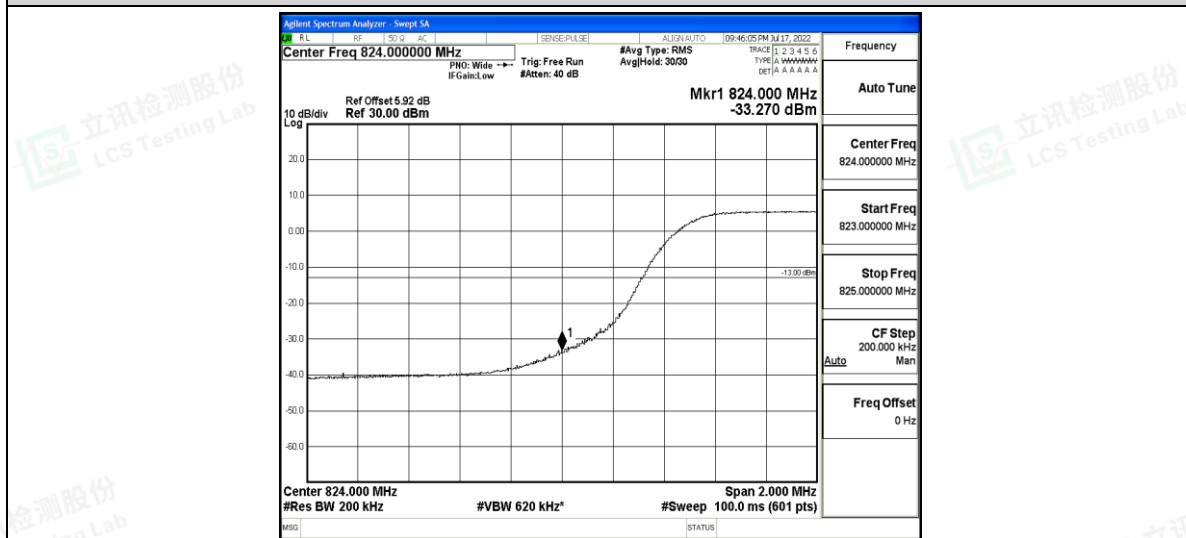
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Band5-5MHz-16QAM-20625-25RB#0



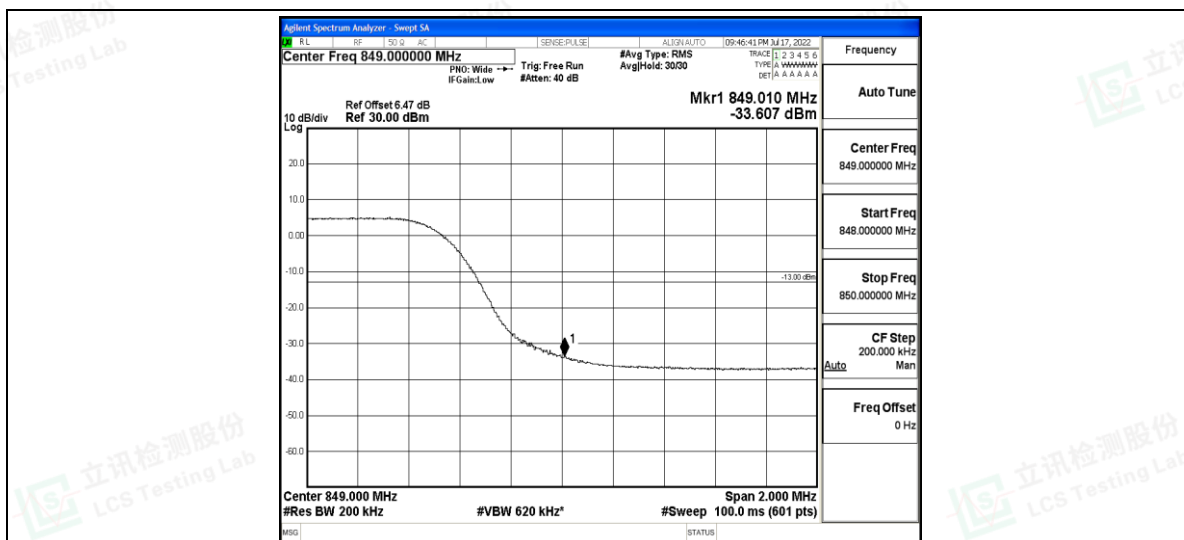
Band5-10MHz-QPSK-20450-50RB#0



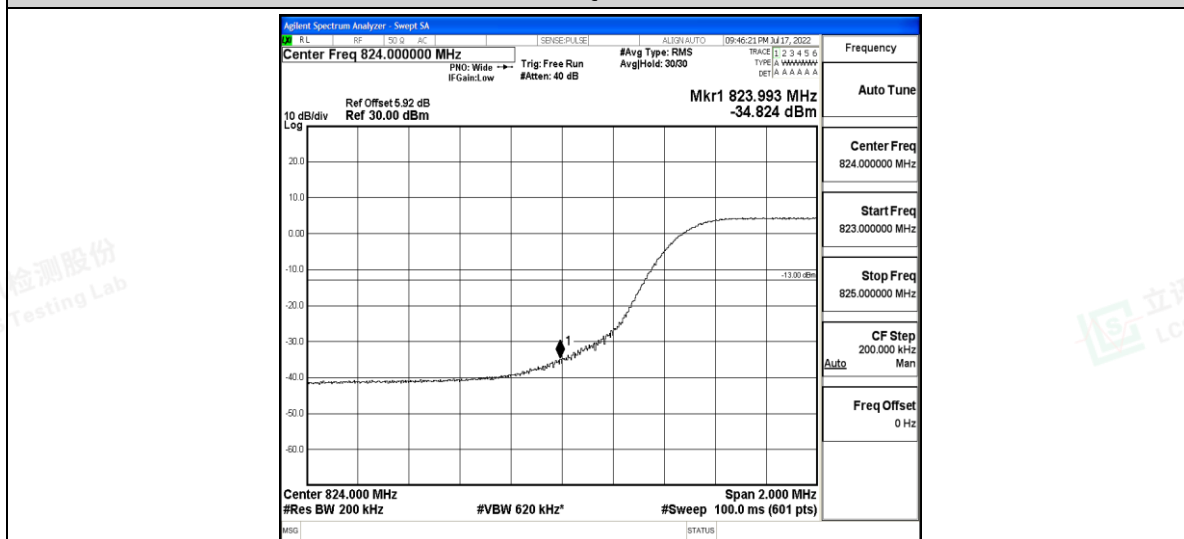
Band5-10MHz-QPSK-20600-50RB#0



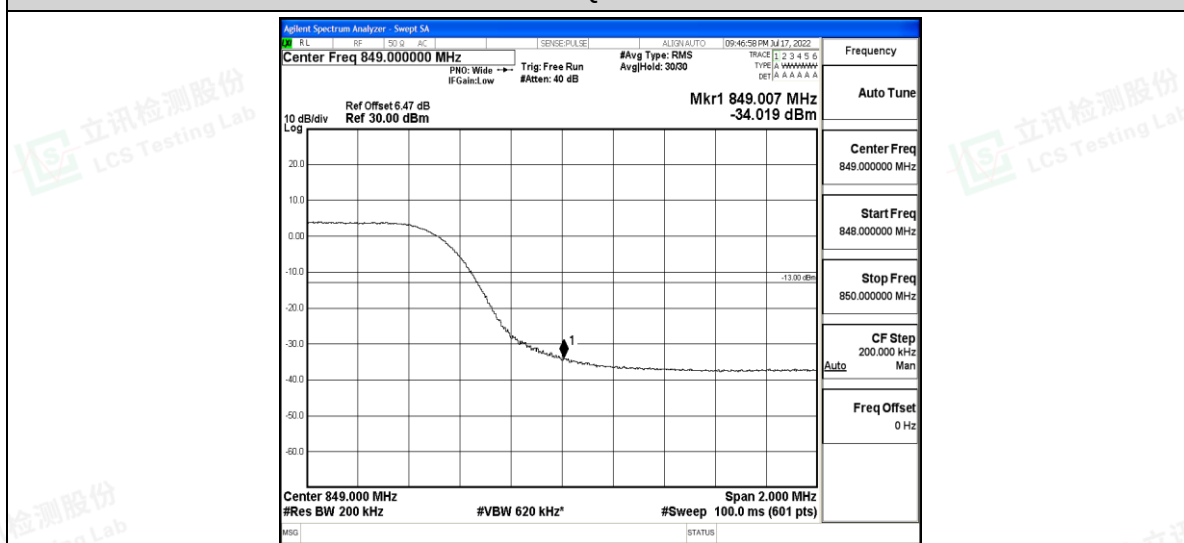
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## Band5-10MHz-16QAM-20450-50RB#0



## Band5-10MHz-16QAM-20600-50RB#0





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## D.5 Conducted Spurious Emission

### Test Result

| Band  | Bandwidth | Modulation | Channel | RB Configuration | Frequency Range      | Result (dBm) | Verdict |
|-------|-----------|------------|---------|------------------|----------------------|--------------|---------|
| Band5 | 1.4MHz    | QPSK       | 20407   | 1RB#0            | Range1:0.009~0.15MHz | -55.19       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20407   | 1RB#0            | Range2:0.15~30MHz    | -50.19       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20407   | 1RB#0            | Range3:30~1000MHz    | -41.49       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20407   | 1RB#0            | Range4:1000~10000MHz | -44.98       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 1RB#0            | Range1:0.009~0.15MHz | -55.46       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 1RB#0            | Range2:0.15~30MHz    | -50.18       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 1RB#0            | Range3:30~1000MHz    | -40.69       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 1RB#0            | Range4:1000~10000MHz | -44.96       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 1RB#0            | Range1:0.009~0.15MHz | -54.89       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 1RB#0            | Range2:0.15~30MHz    | -51.06       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 1RB#0            | Range3:30~1000MHz    | -40.72       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 1RB#0            | Range4:1000~10000MHz | -44.85       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 1RB#0            | Range1:0.009~0.15MHz | -56.16       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 1RB#0            | Range2:0.15~30MHz    | -50.4        | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 1RB#0            | Range3:30~1000MHz    | -41.27       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 1RB#0            | Range4:1000~10000MHz | -44.92       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20525   | 1RB#0            | Range1:0.009~0.15MHz | -55.61       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20525   | 1RB#0            | Range2:0.15~30MHz    | -50.93       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20525   | 1RB#0            | Range3:30~1000MHz    | -39.54       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20525   | 1RB#0            | Range4:1000~10000MHz | -44.86       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20643   | 1RB#0            | Range1:0.009~0.15MHz | -56.72       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20643   | 1RB#0            | Range2:0.15~30MHz    | -49.98       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20643   | 1RB#0            | Range3:30~1000MHz    | -40.61       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20643   | 1RB#0            | Range4:1000~10000MHz | -44.82       | PASS    |
| Band5 | 3MHz      | QPSK       | 20415   | 1RB#0            | Range1:0.009~0.15MHz | -56.96       | PASS    |
| Band5 | 3MHz      | QPSK       | 20415   | 1RB#0            | Range2:0.15~30MHz    | -51.04       | PASS    |
| Band5 | 3MHz      | QPSK       | 20415   | 1RB#0            | Range3:30~1000MHz    | -40.12       | PASS    |
| Band5 | 3MHz      | QPSK       | 20415   | 1RB#0            | Range4:1000~10000MHz | -44.87       | PASS    |
| Band5 | 3MHz      | QPSK       | 20525   | 1RB#0            | Range1:0.009~0.15MHz | -54.48       | PASS    |
| Band5 | 3MHz      | QPSK       | 20525   | 1RB#0            | Range2:0.15~30MHz    | -50.14       | PASS    |
| Band5 | 3MHz      | QPSK       | 20525   | 1RB#0            | Range3:30~1000MHz    | -40.92       | PASS    |
| Band5 | 3MHz      | QPSK       | 20525   | 1RB#0            | Range4:1000~10000MHz | -44.99       | PASS    |
| Band5 | 3MHz      | QPSK       | 20635   | 1RB#0            | Range1:0.009~0.15MHz | -55.6        | PASS    |





|       |       |       |       |       |                      |        |      |
|-------|-------|-------|-------|-------|----------------------|--------|------|
| Band5 | 3MHz  | QPSK  | 20635 | 1RB#0 | Range2:0.15~30MHz    | -51.79 | PASS |
| Band5 | 3MHz  | QPSK  | 20635 | 1RB#0 | Range3:30~1000MHz    | -39.49 | PASS |
| Band5 | 3MHz  | QPSK  | 20635 | 1RB#0 | Range4:1000~10000MHz | -44.85 | PASS |
| Band5 | 3MHz  | 16QAM | 20415 | 1RB#0 | Range1:0.009~0.15MHz | -54.91 | PASS |
| Band5 | 3MHz  | 16QAM | 20415 | 1RB#0 | Range2:0.15~30MHz    | -50.9  | PASS |
| Band5 | 3MHz  | 16QAM | 20415 | 1RB#0 | Range3:30~1000MHz    | -40.23 | PASS |
| Band5 | 3MHz  | 16QAM | 20415 | 1RB#0 | Range4:1000~10000MHz | -44.9  | PASS |
| Band5 | 3MHz  | 16QAM | 20525 | 1RB#0 | Range1:0.009~0.15MHz | -53.63 | PASS |
| Band5 | 3MHz  | 16QAM | 20525 | 1RB#0 | Range2:0.15~30MHz    | -52.43 | PASS |
| Band5 | 3MHz  | 16QAM | 20525 | 1RB#0 | Range3:30~1000MHz    | -40.66 | PASS |
| Band5 | 3MHz  | 16QAM | 20525 | 1RB#0 | Range4:1000~10000MHz | -44.88 | PASS |
| Band5 | 3MHz  | 16QAM | 20635 | 1RB#0 | Range1:0.009~0.15MHz | -54.43 | PASS |
| Band5 | 3MHz  | 16QAM | 20635 | 1RB#0 | Range2:0.15~30MHz    | -49.07 | PASS |
| Band5 | 3MHz  | 16QAM | 20635 | 1RB#0 | Range3:30~1000MHz    | -40.91 | PASS |
| Band5 | 3MHz  | 16QAM | 20635 | 1RB#0 | Range4:1000~10000MHz | -44.98 | PASS |
| Band5 | 5MHz  | QPSK  | 20425 | 1RB#0 | Range1:0.009~0.15MHz | -55.04 | PASS |
| Band5 | 5MHz  | QPSK  | 20425 | 1RB#0 | Range2:0.15~30MHz    | -49.34 | PASS |
| Band5 | 5MHz  | QPSK  | 20425 | 1RB#0 | Range3:30~1000MHz    | -41.06 | PASS |
| Band5 | 5MHz  | QPSK  | 20425 | 1RB#0 | Range4:1000~10000MHz | -44.95 | PASS |
| Band5 | 5MHz  | QPSK  | 20525 | 1RB#0 | Range1:0.009~0.15MHz | -55.41 | PASS |
| Band5 | 5MHz  | QPSK  | 20525 | 1RB#0 | Range2:0.15~30MHz    | -52.33 | PASS |
| Band5 | 5MHz  | QPSK  | 20525 | 1RB#0 | Range3:30~1000MHz    | -41.14 | PASS |
| Band5 | 5MHz  | QPSK  | 20525 | 1RB#0 | Range4:1000~10000MHz | -44.8  | PASS |
| Band5 | 5MHz  | QPSK  | 20625 | 1RB#0 | Range1:0.009~0.15MHz | -55.1  | PASS |
| Band5 | 5MHz  | QPSK  | 20625 | 1RB#0 | Range2:0.15~30MHz    | -50.42 | PASS |
| Band5 | 5MHz  | QPSK  | 20625 | 1RB#0 | Range3:30~1000MHz    | -40.55 | PASS |
| Band5 | 5MHz  | QPSK  | 20625 | 1RB#0 | Range4:1000~10000MHz | -44.91 | PASS |
| Band5 | 5MHz  | 16QAM | 20425 | 1RB#0 | Range1:0.009~0.15MHz | -55.68 | PASS |
| Band5 | 5MHz  | 16QAM | 20425 | 1RB#0 | Range2:0.15~30MHz    | -50.84 | PASS |
| Band5 | 5MHz  | 16QAM | 20425 | 1RB#0 | Range3:30~1000MHz    | -40.92 | PASS |
| Band5 | 5MHz  | 16QAM | 20425 | 1RB#0 | Range4:1000~10000MHz | -44.86 | PASS |
| Band5 | 5MHz  | 16QAM | 20525 | 1RB#0 | Range1:0.009~0.15MHz | -54.81 | PASS |
| Band5 | 5MHz  | 16QAM | 20525 | 1RB#0 | Range2:0.15~30MHz    | -49.68 | PASS |
| Band5 | 5MHz  | 16QAM | 20525 | 1RB#0 | Range3:30~1000MHz    | -40.9  | PASS |
| Band5 | 5MHz  | 16QAM | 20525 | 1RB#0 | Range4:1000~10000MHz | -44.93 | PASS |
| Band5 | 5MHz  | 16QAM | 20625 | 1RB#0 | Range1:0.009~0.15MHz | -56.26 | PASS |
| Band5 | 5MHz  | 16QAM | 20625 | 1RB#0 | Range2:0.15~30MHz    | -51.4  | PASS |
| Band5 | 5MHz  | 16QAM | 20625 | 1RB#0 | Range3:30~1000MHz    | -40.65 | PASS |
| Band5 | 5MHz  | 16QAM | 20625 | 1RB#0 | Range4:1000~10000MHz | -44.89 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 1RB#0 | Range1:0.009~0.15MHz | -55.12 | PASS |



Shenzhen LCS Compliance Testing Laboratory Ltd.

Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

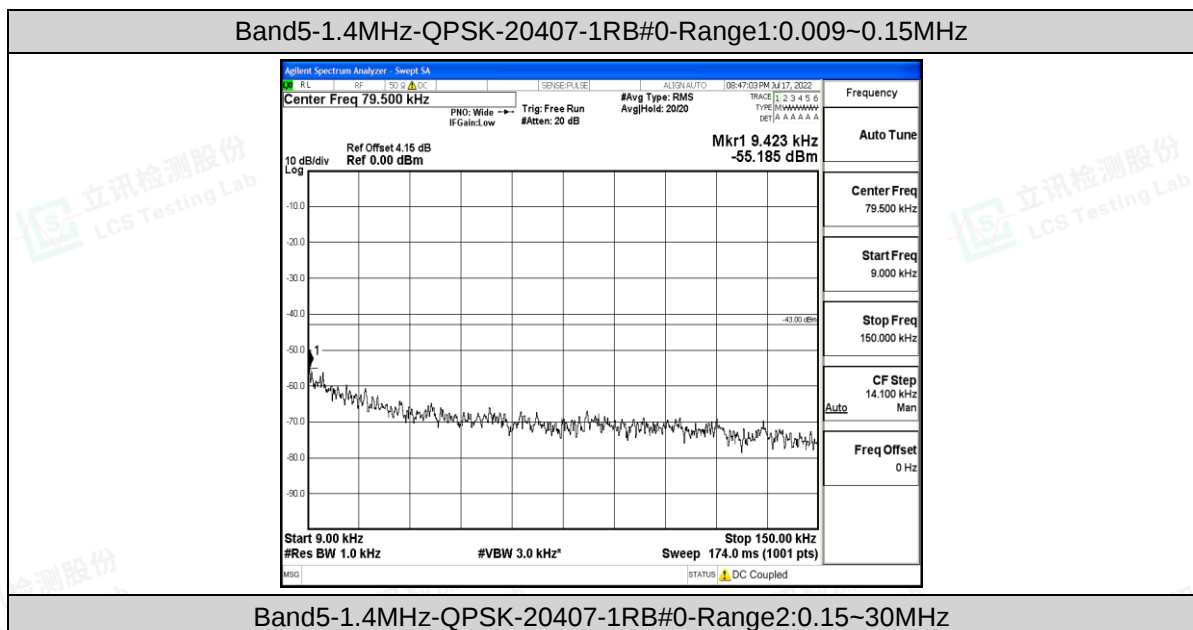
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

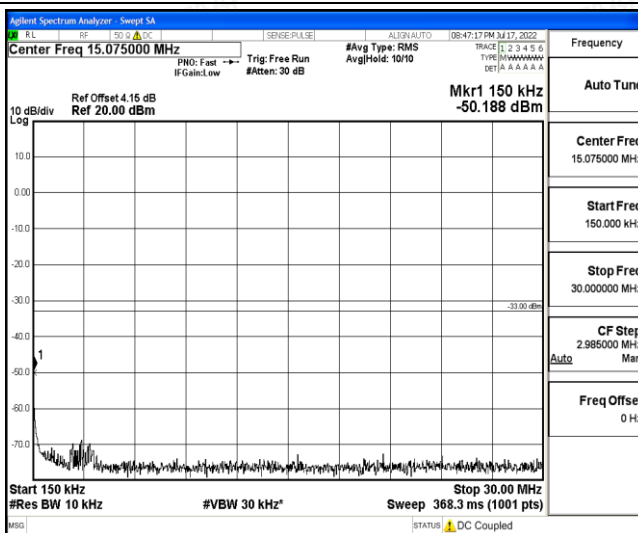
Scan code to check authenticity



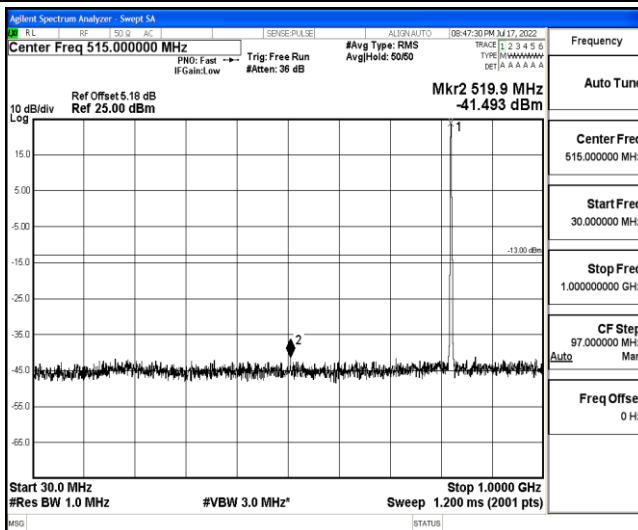
|       |       |       |       |       |                      |        |      |
|-------|-------|-------|-------|-------|----------------------|--------|------|
| Band5 | 10MHz | QPSK  | 20450 | 1RB#0 | Range2:0.15~30MHz    | -49.82 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 1RB#0 | Range3:30~1000MHz    | -41.33 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 1RB#0 | Range4:1000~10000MHz | -44.94 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 1RB#0 | Range1:0.009~0.15MHz | -56.27 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 1RB#0 | Range2:0.15~30MHz    | -53.42 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 1RB#0 | Range3:30~1000MHz    | -41.13 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 1RB#0 | Range4:1000~10000MHz | -44.84 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 1RB#0 | Range1:0.009~0.15MHz | -54.33 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 1RB#0 | Range2:0.15~30MHz    | -50.53 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 1RB#0 | Range3:30~1000MHz    | -41.12 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 1RB#0 | Range4:1000~10000MHz | -44.88 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 1RB#0 | Range1:0.009~0.15MHz | -54.86 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 1RB#0 | Range2:0.15~30MHz    | -50.29 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 1RB#0 | Range3:30~1000MHz    | -40.59 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 1RB#0 | Range4:1000~10000MHz | -44.82 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 1RB#0 | Range1:0.009~0.15MHz | -54.06 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 1RB#0 | Range2:0.15~30MHz    | -50.47 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 1RB#0 | Range3:30~1000MHz    | -40.89 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 1RB#0 | Range4:1000~10000MHz | -44.85 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 1RB#0 | Range1:0.009~0.15MHz | -57.39 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 1RB#0 | Range2:0.15~30MHz    | -48.95 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 1RB#0 | Range3:30~1000MHz    | -41.33 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 1RB#0 | Range4:1000~10000MHz | -44.87 | PASS |

## Test Graphs

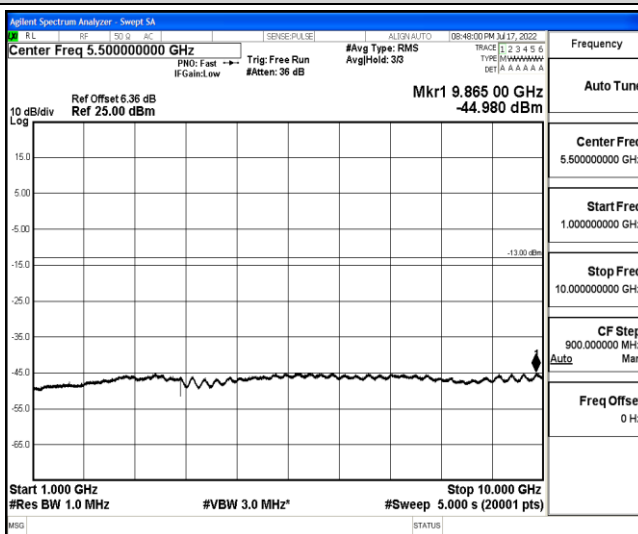




Band5-1.4MHz-QPSK-20407-1RB#0-Range3:30~1000MHz



Band5-1.4MHz-QPSK-20407-1RB#0-Range4:1000~10000MHz



Band5-1.4MHz-QPSK-20525-1RB#0-Range1:0.009~0.15MHz

