



Appendix I: Test Data for E-UTRA Band 41

Product Name: Smart Phone

Test Model: K1

Environmental Conditions

|                    |           |
|--------------------|-----------|
| Temperature:       | 23.8° C   |
| Relative Humidity: | 52.2%     |
| ATM Pressure:      | 100.0 kPa |
| Test Engineer:     | Ling Zhu  |
| Supervised by:     | Li Huan   |





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

### Test Result

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Result(dBm) | Verdict |
|--------|-----------|------------|---------|------------------|-------------|---------|
| Band41 | 5MHz      | QPSK       | 39675   | 1RB#0            | 22.00       | PASS    |
| Band41 | 5MHz      | QPSK       | 39675   | 1RB#12           | 22.14       | PASS    |
| Band41 | 5MHz      | QPSK       | 39675   | 1RB#24           | 22.04       | PASS    |
| Band41 | 5MHz      | QPSK       | 39675   | 12RB#0           | 21.15       | PASS    |
| Band41 | 5MHz      | QPSK       | 39675   | 12RB#6           | 21.14       | PASS    |
| Band41 | 5MHz      | QPSK       | 39675   | 12RB#13          | 21.31       | PASS    |
| Band41 | 5MHz      | QPSK       | 39675   | 25RB#0           | 21.21       | PASS    |
| Band41 | 5MHz      | QPSK       | 40620   | 1RB#0            | 22.17       | PASS    |
| Band41 | 5MHz      | QPSK       | 40620   | 1RB#12           | 22.31       | PASS    |
| Band41 | 5MHz      | QPSK       | 40620   | 1RB#24           | 22.13       | PASS    |
| Band41 | 5MHz      | QPSK       | 40620   | 12RB#0           | 21.29       | PASS    |
| Band41 | 5MHz      | QPSK       | 40620   | 12RB#6           | 21.28       | PASS    |
| Band41 | 5MHz      | QPSK       | 40620   | 12RB#13          | 21.23       | PASS    |
| Band41 | 5MHz      | QPSK       | 40620   | 25RB#0           | 21.19       | PASS    |
| Band41 | 5MHz      | QPSK       | 41565   | 1RB#0            | 22.89       | PASS    |
| Band41 | 5MHz      | QPSK       | 41565   | 1RB#12           | 22.93       | PASS    |
| Band41 | 5MHz      | QPSK       | 41565   | 1RB#24           | 22.69       | PASS    |
| Band41 | 5MHz      | QPSK       | 41565   | 12RB#0           | 21.93       | PASS    |
| Band41 | 5MHz      | QPSK       | 41565   | 12RB#6           | 21.91       | PASS    |
| Band41 | 5MHz      | QPSK       | 41565   | 12RB#13          | 21.90       | PASS    |
| Band41 | 5MHz      | QPSK       | 41565   | 25RB#0           | 21.92       | PASS    |
| Band41 | 5MHz      | 16QAM      | 39675   | 1RB#0            | 20.74       | PASS    |
| Band41 | 5MHz      | 16QAM      | 39675   | 1RB#12           | 21.06       | PASS    |
| Band41 | 5MHz      | 16QAM      | 39675   | 1RB#24           | 20.66       | PASS    |
| Band41 | 5MHz      | 16QAM      | 39675   | 12RB#0           | 20.16       | PASS    |
| Band41 | 5MHz      | 16QAM      | 39675   | 12RB#6           | 20.15       | PASS    |
| Band41 | 5MHz      | 16QAM      | 39675   | 12RB#13          | 20.21       | PASS    |
| Band41 | 5MHz      | 16QAM      | 39675   | 25RB#0           | 20.24       | PASS    |
| Band41 | 5MHz      | 16QAM      | 40620   | 1RB#0            | 21.09       | PASS    |
| Band41 | 5MHz      | 16QAM      | 40620   | 1RB#12           | 21.04       | PASS    |



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|        |       |       |       |         |       |      |
|--------|-------|-------|-------|---------|-------|------|
| Band41 | 5MHz  | 16QAM | 40620 | 1RB#24  | 21.07 | PASS |
| Band41 | 5MHz  | 16QAM | 40620 | 12RB#0  | 20.30 | PASS |
| Band41 | 5MHz  | 16QAM | 40620 | 12RB#6  | 20.29 | PASS |
| Band41 | 5MHz  | 16QAM | 40620 | 12RB#13 | 20.24 | PASS |
| Band41 | 5MHz  | 16QAM | 40620 | 25RB#0  | 20.34 | PASS |
| Band41 | 5MHz  | 16QAM | 41565 | 1RB#0   | 21.83 | PASS |
| Band41 | 5MHz  | 16QAM | 41565 | 1RB#12  | 21.80 | PASS |
| Band41 | 5MHz  | 16QAM | 41565 | 1RB#24  | 21.46 | PASS |
| Band41 | 5MHz  | 16QAM | 41565 | 12RB#0  | 20.87 | PASS |
| Band41 | 5MHz  | 16QAM | 41565 | 12RB#6  | 20.95 | PASS |
| Band41 | 5MHz  | 16QAM | 41565 | 12RB#13 | 20.82 | PASS |
| Band41 | 5MHz  | 16QAM | 41565 | 25RB#0  | 20.83 | PASS |
| Band41 | 10MHz | QPSK  | 39700 | 1RB#0   | 21.97 | PASS |
| Band41 | 10MHz | QPSK  | 39700 | 1RB#24  | 22.08 | PASS |
| Band41 | 10MHz | QPSK  | 39700 | 1RB#49  | 22.17 | PASS |
| Band41 | 10MHz | QPSK  | 39700 | 25RB#0  | 21.23 | PASS |
| Band41 | 10MHz | QPSK  | 39700 | 25RB#12 | 21.22 | PASS |
| Band41 | 10MHz | QPSK  | 39700 | 25RB#25 | 21.20 | PASS |
| Band41 | 10MHz | QPSK  | 39700 | 50RB#0  | 21.20 | PASS |
| Band41 | 10MHz | QPSK  | 40620 | 1RB#0   | 22.09 | PASS |
| Band41 | 10MHz | QPSK  | 40620 | 1RB#24  | 22.25 | PASS |
| Band41 | 10MHz | QPSK  | 40620 | 1RB#49  | 22.03 | PASS |
| Band41 | 10MHz | QPSK  | 40620 | 25RB#0  | 21.37 | PASS |
| Band41 | 10MHz | QPSK  | 40620 | 25RB#12 | 21.37 | PASS |
| Band41 | 10MHz | QPSK  | 40620 | 25RB#25 | 21.34 | PASS |
| Band41 | 10MHz | QPSK  | 40620 | 50RB#0  | 21.40 | PASS |
| Band41 | 10MHz | QPSK  | 41540 | 1RB#0   | 22.77 | PASS |
| Band41 | 10MHz | QPSK  | 41540 | 1RB#24  | 22.95 | PASS |
| Band41 | 10MHz | QPSK  | 41540 | 1RB#49  | 22.75 | PASS |
| Band41 | 10MHz | QPSK  | 41540 | 25RB#0  | 22.03 | PASS |
| Band41 | 10MHz | QPSK  | 41540 | 25RB#12 | 22.02 | PASS |
| Band41 | 10MHz | QPSK  | 41540 | 25RB#25 | 21.99 | PASS |
| Band41 | 10MHz | QPSK  | 41540 | 50RB#0  | 22.07 | PASS |
| Band41 | 10MHz | 16QAM | 39700 | 1RB#0   | 20.90 | PASS |
| Band41 | 10MHz | 16QAM | 39700 | 1RB#24  | 21.45 | PASS |



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|        |       |       |       |         |       |      |
|--------|-------|-------|-------|---------|-------|------|
| Band41 | 10MHz | 16QAM | 39700 | 1RB#49  | 21.11 | PASS |
| Band41 | 10MHz | 16QAM | 39700 | 25RB#0  | 20.12 | PASS |
| Band41 | 10MHz | 16QAM | 39700 | 25RB#12 | 20.11 | PASS |
| Band41 | 10MHz | 16QAM | 39700 | 25RB#25 | 20.19 | PASS |
| Band41 | 10MHz | 16QAM | 39700 | 50RB#0  | 20.21 | PASS |
| Band41 | 10MHz | 16QAM | 40620 | 1RB#0   | 21.14 | PASS |
| Band41 | 10MHz | 16QAM | 40620 | 1RB#24  | 21.42 | PASS |
| Band41 | 10MHz | 16QAM | 40620 | 1RB#49  | 21.08 | PASS |
| Band41 | 10MHz | 16QAM | 40620 | 25RB#0  | 20.25 | PASS |
| Band41 | 10MHz | 16QAM | 40620 | 25RB#12 | 20.36 | PASS |
| Band41 | 10MHz | 16QAM | 40620 | 25RB#25 | 20.34 | PASS |
| Band41 | 10MHz | 16QAM | 40620 | 50RB#0  | 20.30 | PASS |
| Band41 | 10MHz | 16QAM | 41540 | 1RB#0   | 21.82 | PASS |
| Band41 | 10MHz | 16QAM | 41540 | 1RB#24  | 22.14 | PASS |
| Band41 | 10MHz | 16QAM | 41540 | 1RB#49  | 21.74 | PASS |
| Band41 | 10MHz | 16QAM | 41540 | 25RB#0  | 21.05 | PASS |
| Band41 | 10MHz | 16QAM | 41540 | 25RB#12 | 20.96 | PASS |
| Band41 | 10MHz | 16QAM | 41540 | 25RB#25 | 20.85 | PASS |
| Band41 | 10MHz | 16QAM | 41540 | 50RB#0  | 21.00 | PASS |
| Band41 | 15MHz | QPSK  | 39725 | 1RB#0   | 21.76 | PASS |
| Band41 | 15MHz | QPSK  | 39725 | 1RB#38  | 21.98 | PASS |
| Band41 | 15MHz | QPSK  | 39725 | 1RB#74  | 21.86 | PASS |
| Band41 | 15MHz | QPSK  | 39725 | 38RB#0  | 21.35 | PASS |
| Band41 | 15MHz | QPSK  | 39725 | 38RB#18 | 21.45 | PASS |
| Band41 | 15MHz | QPSK  | 39725 | 38RB#37 | 21.59 | PASS |
| Band41 | 15MHz | QPSK  | 39725 | 75RB#0  | 21.13 | PASS |
| Band41 | 15MHz | QPSK  | 40620 | 1RB#0   | 21.96 | PASS |
| Band41 | 15MHz | QPSK  | 40620 | 1RB#38  | 22.10 | PASS |
| Band41 | 15MHz | QPSK  | 40620 | 1RB#74  | 21.97 | PASS |
| Band41 | 15MHz | QPSK  | 40620 | 38RB#0  | 21.26 | PASS |
| Band41 | 15MHz | QPSK  | 40620 | 38RB#18 | 21.45 | PASS |
| Band41 | 15MHz | QPSK  | 40620 | 38RB#37 | 21.00 | PASS |
| Band41 | 15MHz | QPSK  | 40620 | 75RB#0  | 21.26 | PASS |
| Band41 | 15MHz | QPSK  | 41515 | 1RB#0   | 22.73 | PASS |
| Band41 | 15MHz | QPSK  | 41515 | 1RB#38  | 22.96 | PASS |



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|        |       |       |       |         |       |      |
|--------|-------|-------|-------|---------|-------|------|
| Band41 | 15MHz | QPSK  | 41515 | 1RB#74  | 22.84 | PASS |
| Band41 | 15MHz | QPSK  | 41515 | 38RB#0  | 21.44 | PASS |
| Band41 | 15MHz | QPSK  | 41515 | 38RB#18 | 22.24 | PASS |
| Band41 | 15MHz | QPSK  | 41515 | 38RB#37 | 22.09 | PASS |
| Band41 | 15MHz | QPSK  | 41515 | 75RB#0  | 21.88 | PASS |
| Band41 | 15MHz | 16QAM | 39725 | 1RB#0   | 20.70 | PASS |
| Band41 | 15MHz | 16QAM | 39725 | 1RB#38  | 21.19 | PASS |
| Band41 | 15MHz | 16QAM | 39725 | 1RB#74  | 21.53 | PASS |
| Band41 | 15MHz | 16QAM | 39725 | 38RB#0  | 21.35 | PASS |
| Band41 | 15MHz | 16QAM | 39725 | 38RB#18 | 21.38 | PASS |
| Band41 | 15MHz | 16QAM | 39725 | 38RB#37 | 21.24 | PASS |
| Band41 | 15MHz | 16QAM | 39725 | 75RB#0  | 20.13 | PASS |
| Band41 | 15MHz | 16QAM | 40620 | 1RB#0   | 21.09 | PASS |
| Band41 | 15MHz | 16QAM | 40620 | 1RB#38  | 21.17 | PASS |
| Band41 | 15MHz | 16QAM | 40620 | 1RB#74  | 21.12 | PASS |
| Band41 | 15MHz | 16QAM | 40620 | 38RB#0  | 21.21 | PASS |
| Band41 | 15MHz | 16QAM | 40620 | 38RB#18 | 21.59 | PASS |
| Band41 | 15MHz | 16QAM | 40620 | 38RB#37 | 21.45 | PASS |
| Band41 | 15MHz | 16QAM | 40620 | 75RB#0  | 20.28 | PASS |
| Band41 | 15MHz | 16QAM | 41515 | 1RB#0   | 22.17 | PASS |
| Band41 | 15MHz | 16QAM | 41515 | 1RB#38  | 22.27 | PASS |
| Band41 | 15MHz | 16QAM | 41515 | 1RB#74  | 21.53 | PASS |
| Band41 | 15MHz | 16QAM | 41515 | 38RB#0  | 22.19 | PASS |
| Band41 | 15MHz | 16QAM | 41515 | 38RB#18 | 22.25 | PASS |
| Band41 | 15MHz | 16QAM | 41515 | 38RB#37 | 22.06 | PASS |
| Band41 | 15MHz | 16QAM | 41515 | 75RB#0  | 20.95 | PASS |
| Band41 | 20MHz | QPSK  | 39750 | 1RB#0   | 21.79 | PASS |
| Band41 | 20MHz | QPSK  | 39750 | 1RB#49  | 21.96 | PASS |
| Band41 | 20MHz | QPSK  | 39750 | 1RB#99  | 21.87 | PASS |
| Band41 | 20MHz | QPSK  | 39750 | 50RB#0  | 21.05 | PASS |
| Band41 | 20MHz | QPSK  | 39750 | 50RB#25 | 21.04 | PASS |
| Band41 | 20MHz | QPSK  | 39750 | 50RB#50 | 21.14 | PASS |
| Band41 | 20MHz | QPSK  | 39750 | 100RB#0 | 21.22 | PASS |
| Band41 | 20MHz | QPSK  | 40620 | 1RB#0   | 22.00 | PASS |
| Band41 | 20MHz | QPSK  | 40620 | 1RB#49  | 22.14 | PASS |



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|        |       |       |       |         |       |      |
|--------|-------|-------|-------|---------|-------|------|
| Band41 | 20MHz | QPSK  | 40620 | 1RB#99  | 21.64 | PASS |
| Band41 | 20MHz | QPSK  | 40620 | 50RB#0  | 21.28 | PASS |
| Band41 | 20MHz | QPSK  | 40620 | 50RB#25 | 21.17 | PASS |
| Band41 | 20MHz | QPSK  | 40620 | 50RB#50 | 21.25 | PASS |
| Band41 | 20MHz | QPSK  | 40620 | 100RB#0 | 21.25 | PASS |
| Band41 | 20MHz | QPSK  | 41490 | 1RB#0   | 22.63 | PASS |
| Band41 | 20MHz | QPSK  | 41490 | 1RB#49  | 22.76 | PASS |
| Band41 | 20MHz | QPSK  | 41490 | 1RB#99  | 22.52 | PASS |
| Band41 | 20MHz | QPSK  | 41490 | 50RB#0  | 21.79 | PASS |
| Band41 | 20MHz | QPSK  | 41490 | 50RB#25 | 21.86 | PASS |
| Band41 | 20MHz | QPSK  | 41490 | 50RB#50 | 21.80 | PASS |
| Band41 | 20MHz | QPSK  | 41490 | 100RB#0 | 21.81 | PASS |
| Band41 | 20MHz | 16QAM | 39750 | 1RB#0   | 20.38 | PASS |
| Band41 | 20MHz | 16QAM | 39750 | 1RB#49  | 21.89 | PASS |
| Band41 | 20MHz | 16QAM | 39750 | 1RB#99  | 20.65 | PASS |
| Band41 | 20MHz | 16QAM | 39750 | 50RB#0  | 20.13 | PASS |
| Band41 | 20MHz | 16QAM | 39750 | 50RB#25 | 20.12 | PASS |
| Band41 | 20MHz | 16QAM | 39750 | 50RB#50 | 20.21 | PASS |
| Band41 | 20MHz | 16QAM | 39750 | 100RB#0 | 20.16 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 1RB#0   | 20.86 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 1RB#49  | 21.35 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 1RB#99  | 20.72 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 50RB#0  | 20.28 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 50RB#25 | 20.31 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 50RB#50 | 20.23 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 100RB#0 | 20.26 | PASS |
| Band41 | 20MHz | 16QAM | 41490 | 1RB#0   | 21.35 | PASS |
| Band41 | 20MHz | 16QAM | 41490 | 1RB#49  | 21.71 | PASS |
| Band41 | 20MHz | 16QAM | 41490 | 1RB#99  | 22.01 | PASS |
| Band41 | 20MHz | 16QAM | 41490 | 50RB#0  | 21.00 | PASS |
| Band41 | 20MHz | 16QAM | 41490 | 50RB#25 | 20.97 | PASS |
| Band41 | 20MHz | 16QAM | 41490 | 50RB#50 | 20.89 | PASS |
| Band41 | 20MHz | 16QAM | 41490 | 100RB#0 | 20.90 | PASS |





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

### Test Result

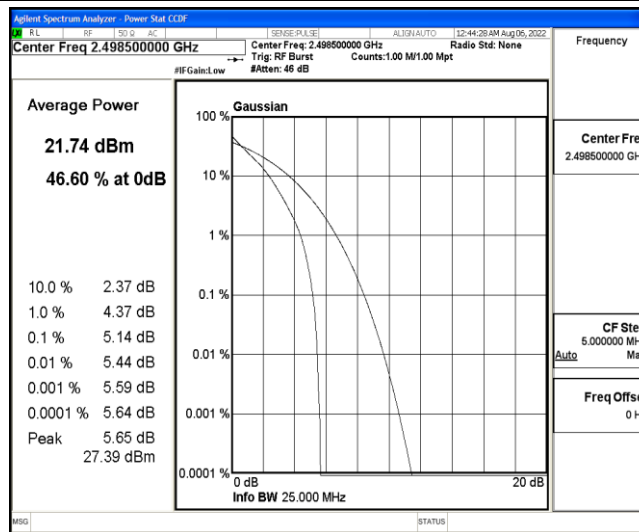
| Band   | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|--------|-----------|------------|---------|------------------|------------|-----------|---------|
| Band41 | 5MHz      | QPSK       | 39675   | 25RB#0           | 5.14       | 13        | PASS    |
| Band41 | 5MHz      | QPSK       | 40620   | 25RB#0           | 5.48       | 13        | PASS    |
| Band41 | 5MHz      | QPSK       | 41565   | 25RB#0           | 5.12       | 13        | PASS    |
| Band41 | 5MHz      | 16QAM      | 39675   | 25RB#0           | 5.95       | 13        | PASS    |
| Band41 | 5MHz      | 16QAM      | 40620   | 25RB#0           | 6.20       | 13        | PASS    |
| Band41 | 5MHz      | 16QAM      | 41565   | 25RB#0           | 6.00       | 13        | PASS    |
| Band41 | 10MHz     | QPSK       | 39700   | 50RB#0           | 5.11       | 13        | PASS    |
| Band41 | 10MHz     | QPSK       | 40620   | 50RB#0           | 5.47       | 13        | PASS    |
| Band41 | 10MHz     | QPSK       | 41540   | 50RB#0           | 5.10       | 13        | PASS    |
| Band41 | 10MHz     | 16QAM      | 39700   | 50RB#0           | 5.98       | 13        | PASS    |
| Band41 | 10MHz     | 16QAM      | 40620   | 50RB#0           | 6.32       | 13        | PASS    |
| Band41 | 10MHz     | 16QAM      | 41540   | 50RB#0           | 6.00       | 13        | PASS    |
| Band41 | 15MHz     | QPSK       | 39725   | 75RB#0           | 5.32       | 13        | PASS    |
| Band41 | 15MHz     | QPSK       | 40620   | 75RB#0           | 5.29       | 13        | PASS    |
| Band41 | 15MHz     | QPSK       | 41515   | 75RB#0           | 5.31       | 13        | PASS    |
| Band41 | 15MHz     | 16QAM      | 39725   | 75RB#0           | 6.04       | 13        | PASS    |
| Band41 | 15MHz     | 16QAM      | 40620   | 75RB#0           | 6.03       | 13        | PASS    |
| Band41 | 15MHz     | 16QAM      | 41515   | 75RB#0           | 7.30       | 13        | PASS    |
| Band41 | 20MHz     | QPSK       | 39750   | 100RB#0          | 5.10       | 13        | PASS    |
| Band41 | 20MHz     | QPSK       | 40620   | 100RB#0          | 5.06       | 13        | PASS    |
| Band41 | 20MHz     | QPSK       | 41490   | 100RB#0          | 5.06       | 13        | PASS    |
| Band41 | 20MHz     | 16QAM      | 39750   | 100RB#0          | 5.94       | 13        | PASS    |
| Band41 | 20MHz     | 16QAM      | 40620   | 100RB#0          | 5.92       | 13        | PASS    |
| Band41 | 20MHz     | 16QAM      | 41490   | 100RB#0          | 5.91       | 13        | PASS    |



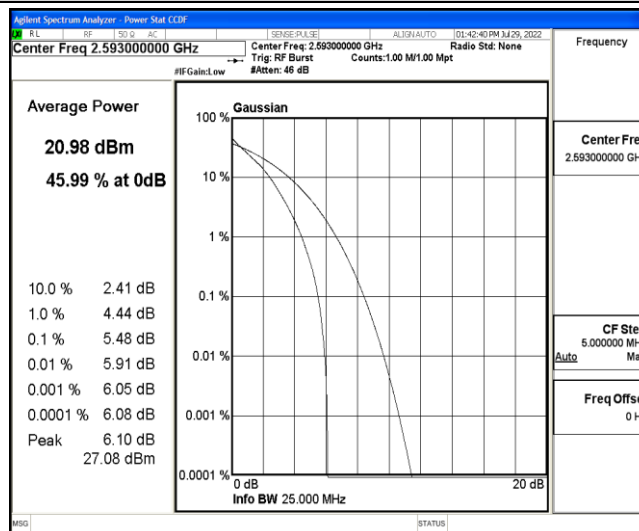


## Test Graphs

Band41-5MHz-QPSK-39675-25RB#0

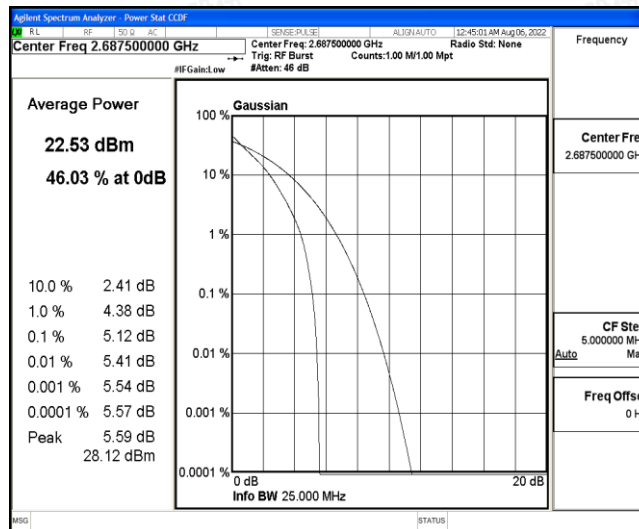


Band41-5MHz-QPSK-40620-25RB#0

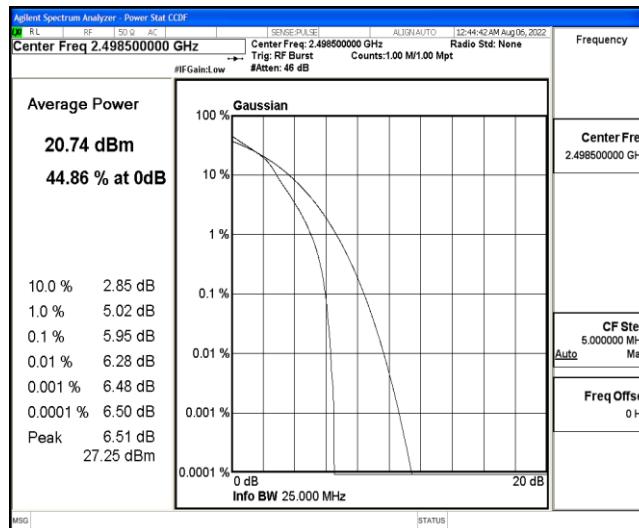


Band41-5MHz-QPSK-41565-25RB#0

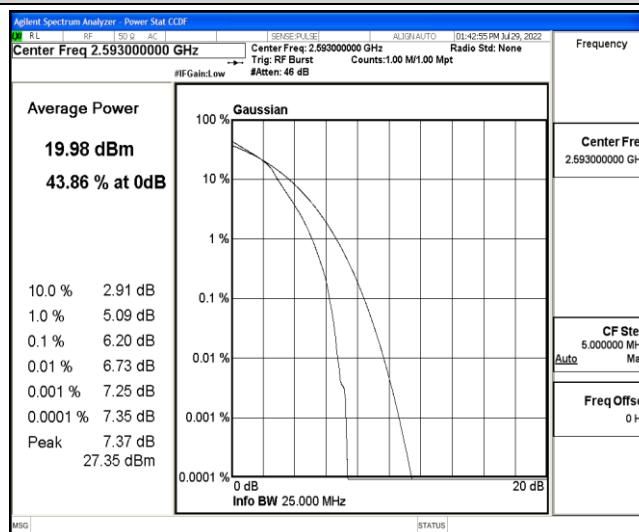




Band41-5MHz-16QAM-39675-25RB#0

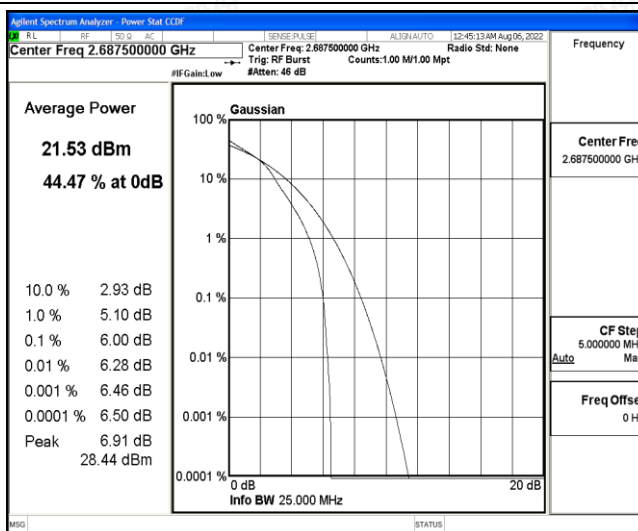


Band41-5MHz-16QAM-40620-25RB#0

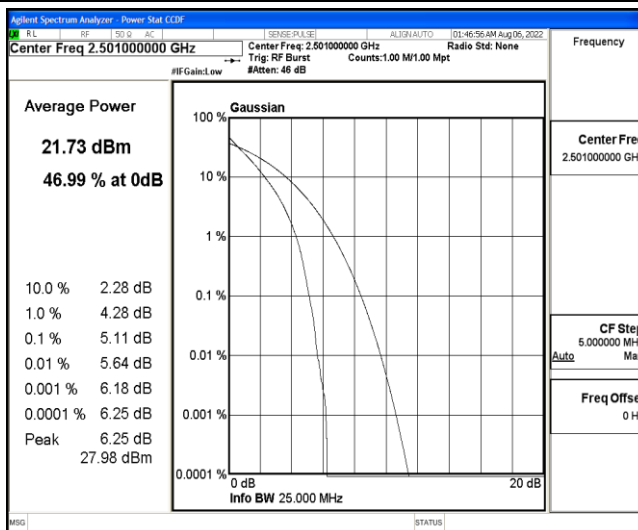


Band41-5MHz-16QAM-41565-25RB#0

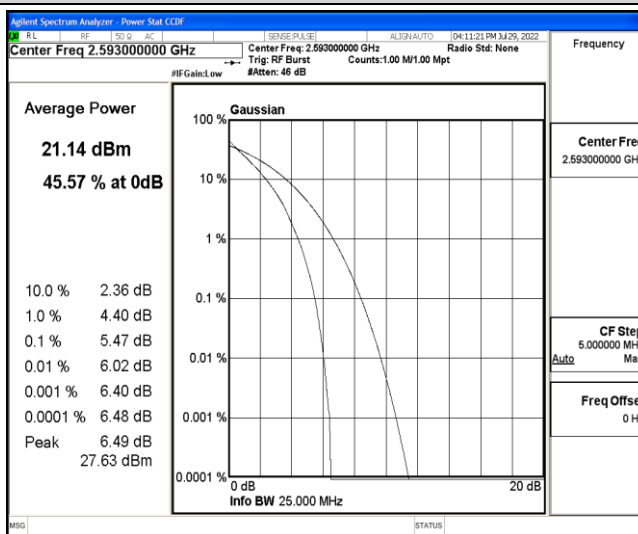




Band41-10MHz-QPSK-39700-50RB#0



Band41-10MHz-QPSK-40620-50RB#0



Band41-10MHz-QPSK-41540-50RB#0

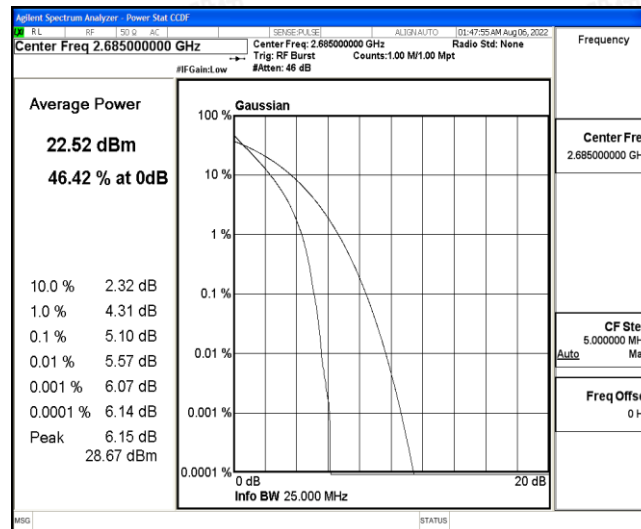


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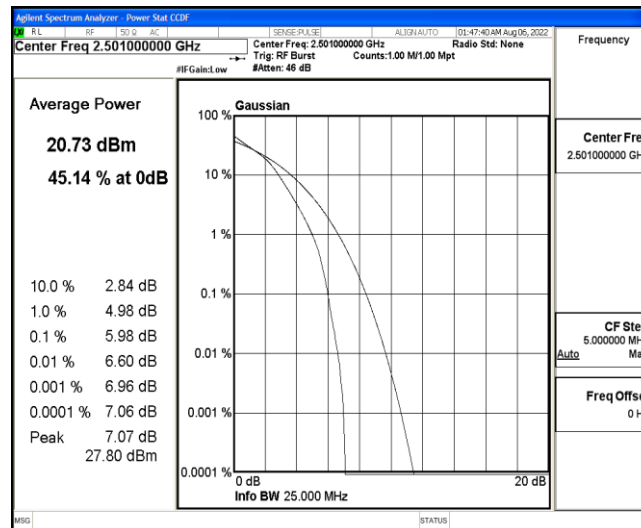
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Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

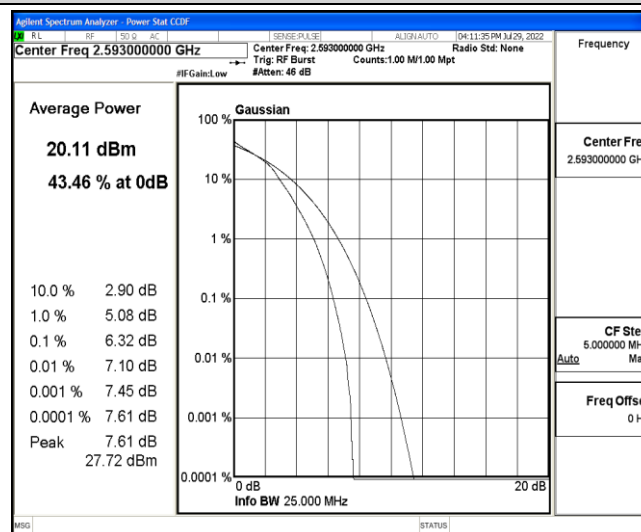
Scan code to check authenticity



Band41-10MHz-16QAM-39700-50RB#0

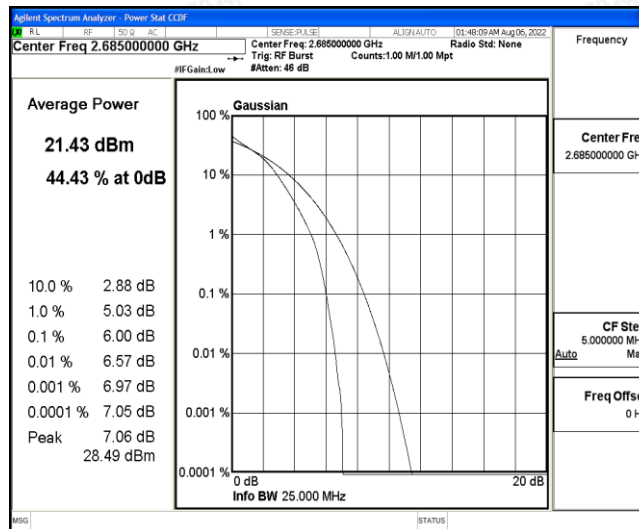


Band41-10MHz-16QAM-40620-50RB#0

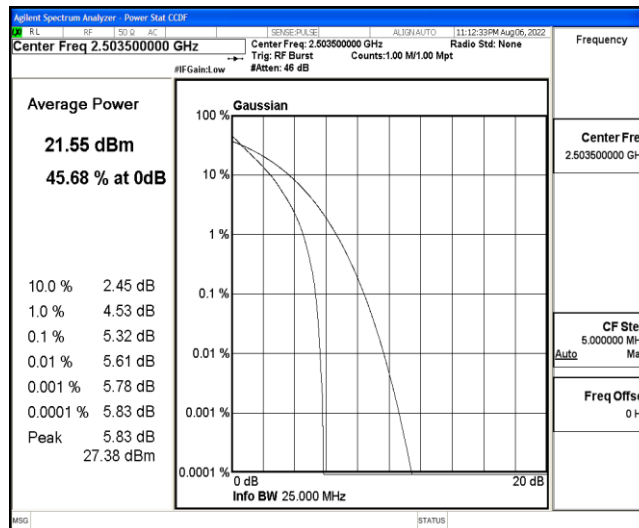


Band41-10MHz-16QAM-41540-50RB#0

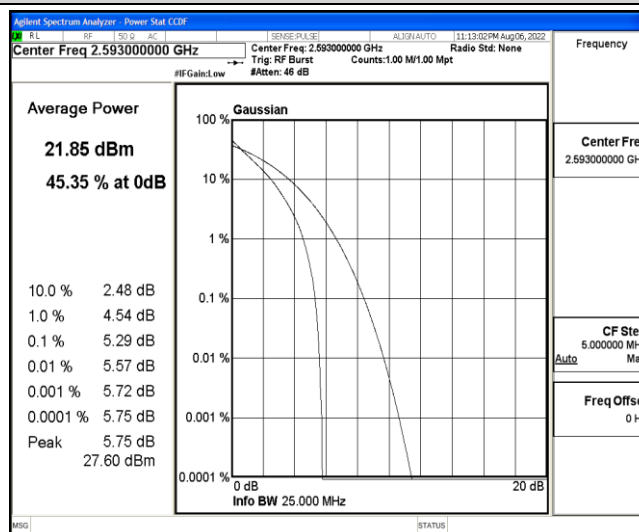




Band41-15MHz-QPSK-39725-75RB#0

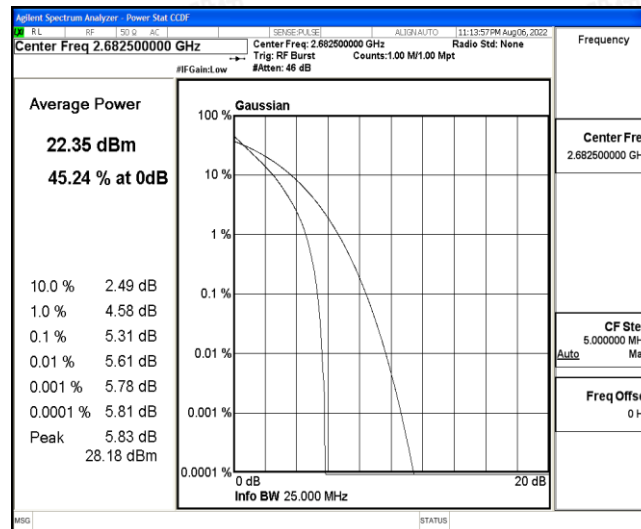


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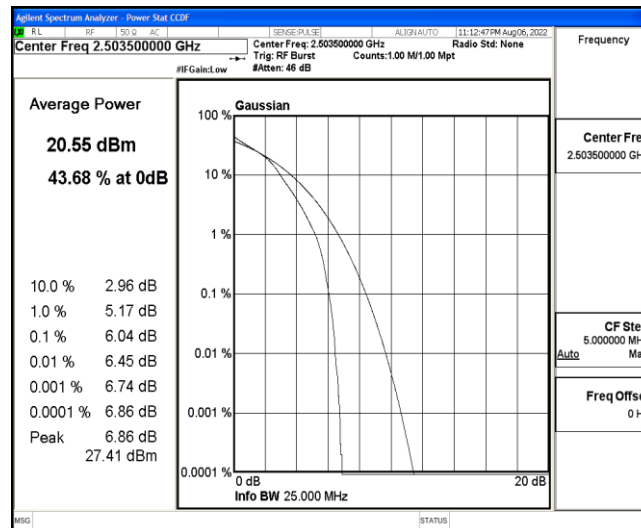


Band41-15MHz-QPSK-41515-75RB#0

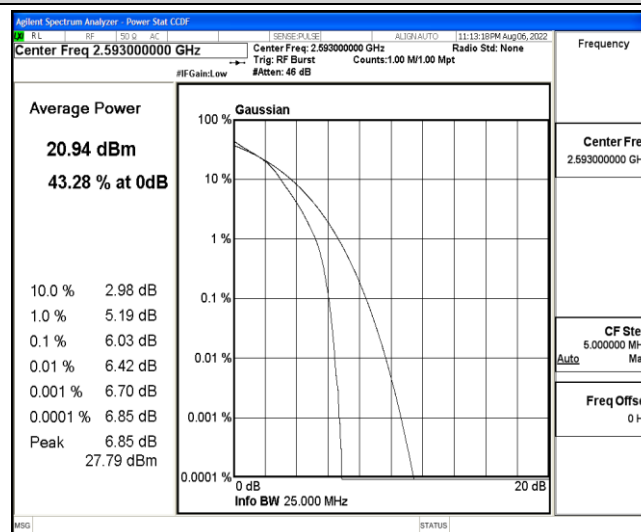




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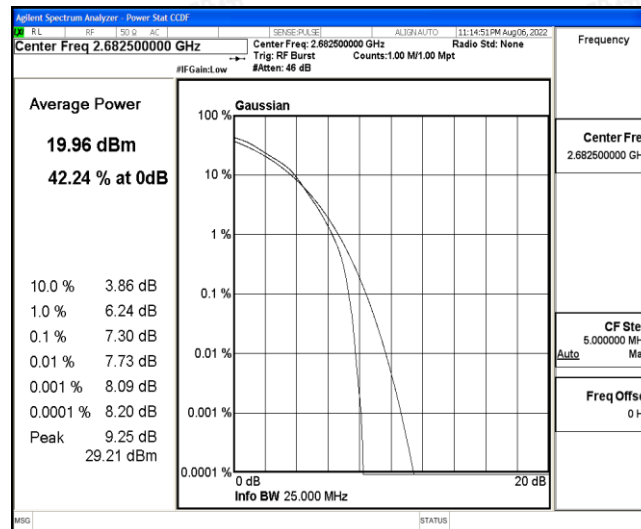


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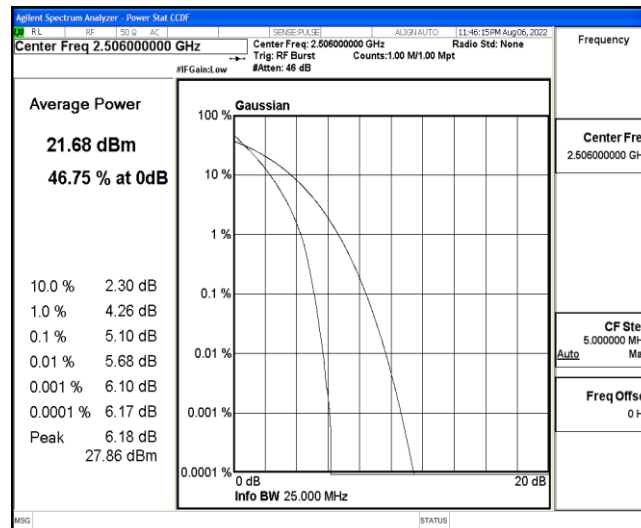


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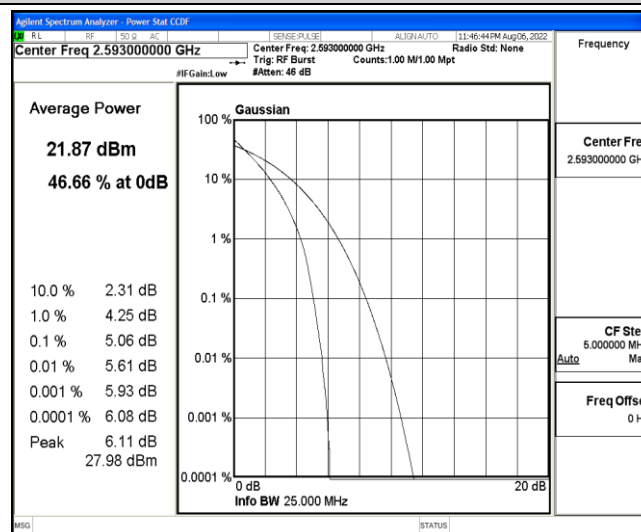




Band41-20MHz-QPSK-39750-100RB#0

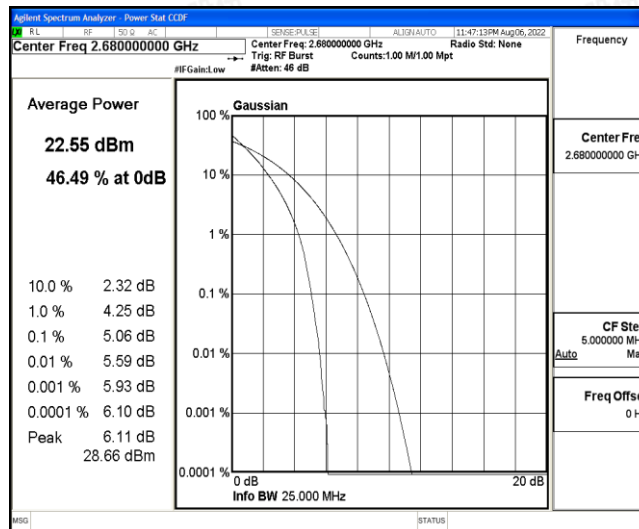


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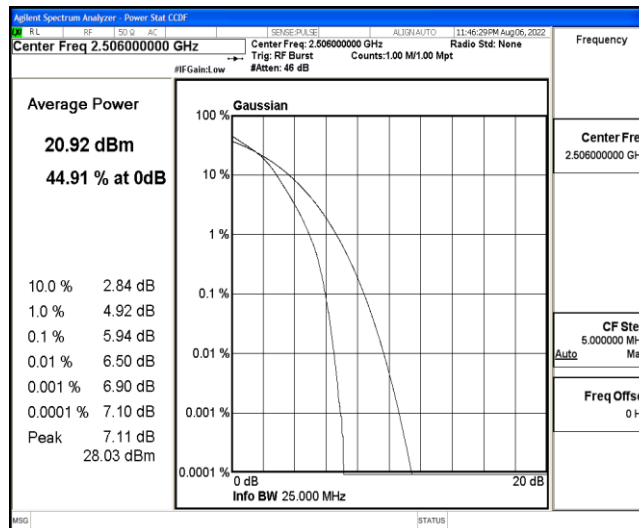


Band41-20MHz-QPSK-41490-100RB#0

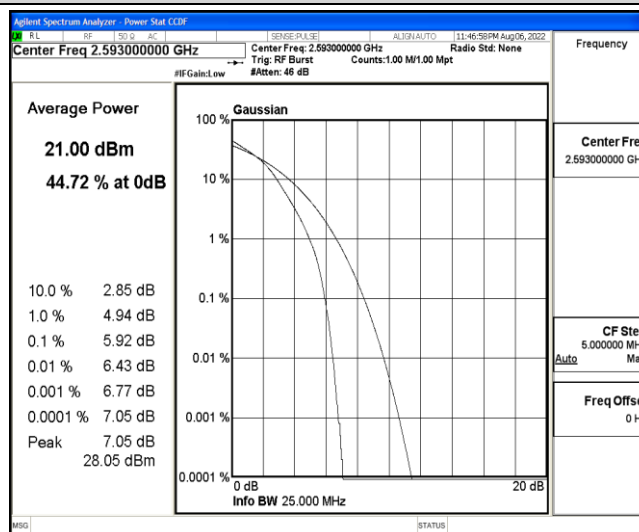




Band41-20MHz-16QAM-39750-100RB#0

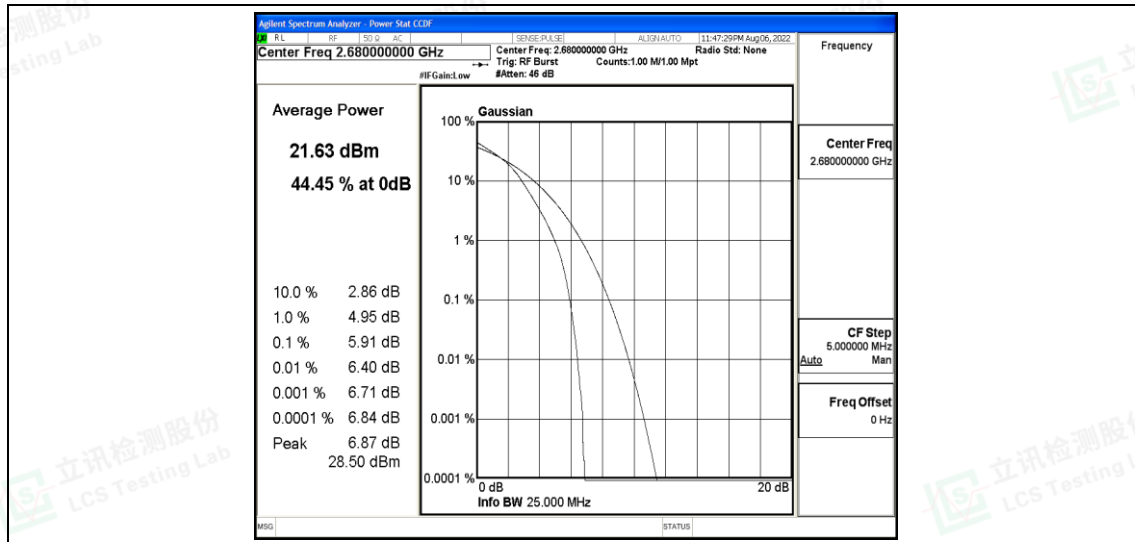


Band41-20MHz-16QAM-40620-100RB#0



Band41-20MHz-16QAM-41490-100RB#0







### I.3 26dB Bandwidth and Occupied Bandwidth

#### Test Result

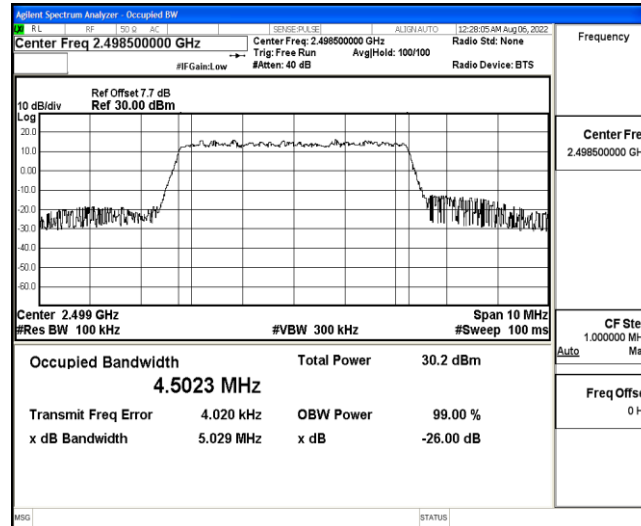
| Band   | Bandwidth | Modulation | Channel | RB Configuration | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|--------|-----------|------------|---------|------------------|--------------------------|----------------------|---------|
| Band41 | 5MHz      | QPSK       | 39675   | 25RB#0           | 4.5023                   | 5.029                | PASS    |
| Band41 | 5MHz      | QPSK       | 40620   | 25RB#0           | 4.4852                   | 4.928                | PASS    |
| Band41 | 5MHz      | QPSK       | 41565   | 25RB#0           | 4.5029                   | 4.994                | PASS    |
| Band41 | 5MHz      | 16QAM      | 39675   | 25RB#0           | 4.5043                   | 4.984                | PASS    |
| Band41 | 5MHz      | 16QAM      | 40620   | 25RB#0           | 4.4927                   | 5.044                | PASS    |
| Band41 | 5MHz      | 16QAM      | 41565   | 25RB#0           | 4.5058                   | 4.962                | PASS    |
| Band41 | 10MHz     | QPSK       | 39700   | 50RB#0           | 8.9318                   | 10.84                | PASS    |
| Band41 | 10MHz     | QPSK       | 40620   | 50RB#0           | 8.9741                   | 10.15                | PASS    |
| Band41 | 10MHz     | QPSK       | 41540   | 50RB#0           | 8.9644                   | 10.36                | PASS    |
| Band41 | 10MHz     | 16QAM      | 39700   | 50RB#0           | 8.9744                   | 10.02                | PASS    |
| Band41 | 10MHz     | 16QAM      | 40620   | 50RB#0           | 9.0073                   | 9.774                | PASS    |
| Band41 | 10MHz     | 16QAM      | 41540   | 50RB#0           | 8.9703                   | 9.798                | PASS    |
| Band41 | 15MHz     | QPSK       | 39725   | 75RB#0           | 13.466                   | 15.79                | PASS    |
| Band41 | 15MHz     | QPSK       | 40620   | 75RB#0           | 13.515                   | 16.44                | PASS    |
| Band41 | 15MHz     | QPSK       | 41515   | 75RB#0           | 13.439                   | 15.79                | PASS    |
| Band41 | 15MHz     | 16QAM      | 39725   | 75RB#0           | 13.446                   | 16.21                | PASS    |
| Band41 | 15MHz     | 16QAM      | 40620   | 75RB#0           | 13.491                   | 15.99                | PASS    |
| Band41 | 15MHz     | 16QAM      | 41515   | 75RB#0           | 13.426                   | 14.66                | PASS    |
| Band41 | 20MHz     | QPSK       | 39750   | 100RB#0          | 17.922                   | 19.17                | PASS    |
| Band41 | 20MHz     | QPSK       | 40620   | 100RB#0          | 17.919                   | 19.33                | PASS    |
| Band41 | 20MHz     | QPSK       | 41490   | 100RB#0          | 17.788                   | 19.36                | PASS    |
| Band41 | 20MHz     | 16QAM      | 39750   | 100RB#0          | 17.910                   | 19.54                | PASS    |
| Band41 | 20MHz     | 16QAM      | 40620   | 100RB#0          | 17.938                   | 19.66                | PASS    |
| Band41 | 20MHz     | 16QAM      | 41490   | 100RB#0          | 17.885                   | 19.32                | PASS    |



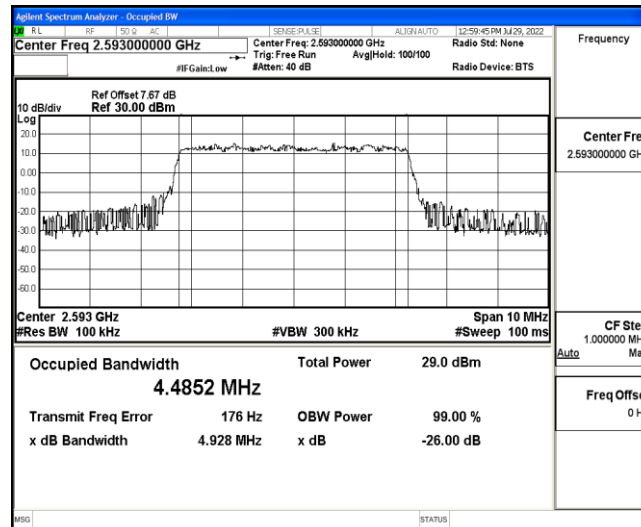


## Test Graphs

Band41-5MHz-QPSK-39675-25RB#0

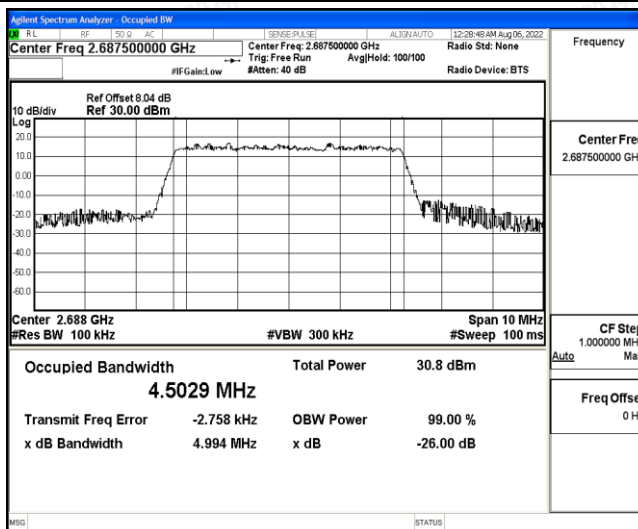


Band41-5MHz-QPSK-40620-25RB#0

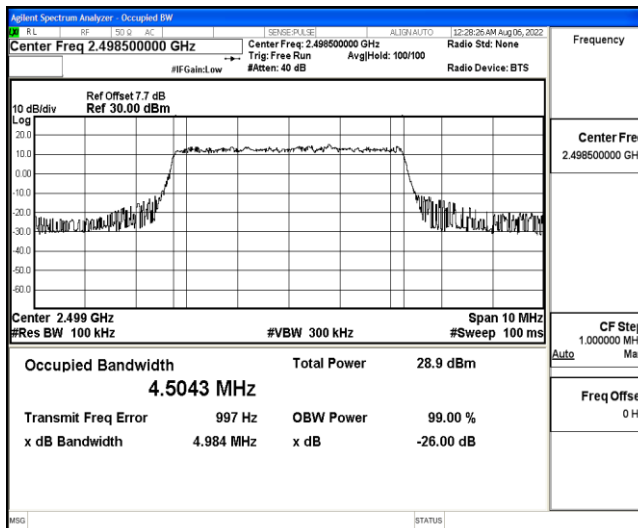


Band41-5MHz-QPSK-41565-25RB#0

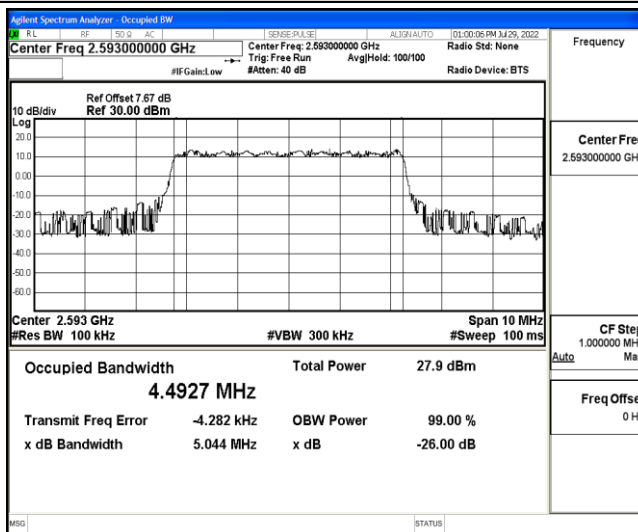




Band41-5MHz-16QAM-39675-25RB#0



Band41-5MHz-16QAM-40620-25RB#0



Band41-5MHz-16QAM-41565-25RB#0

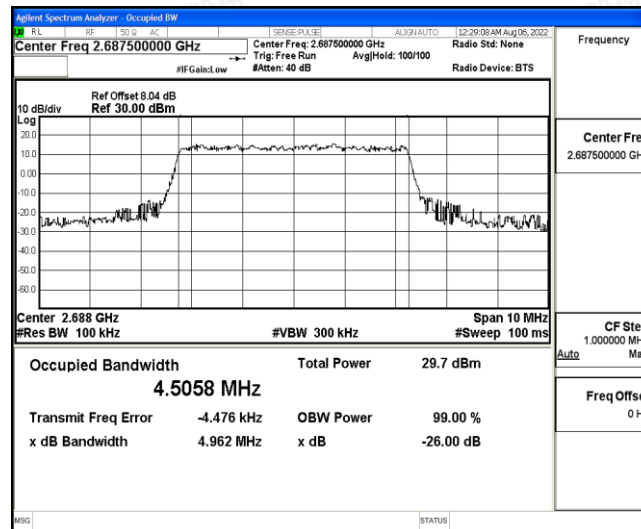


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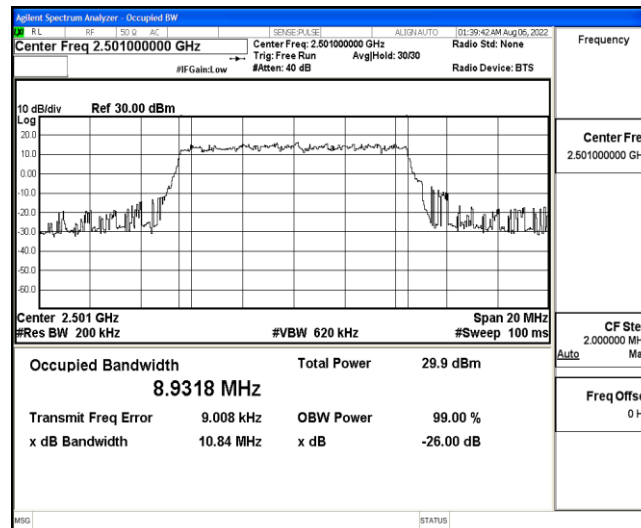
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

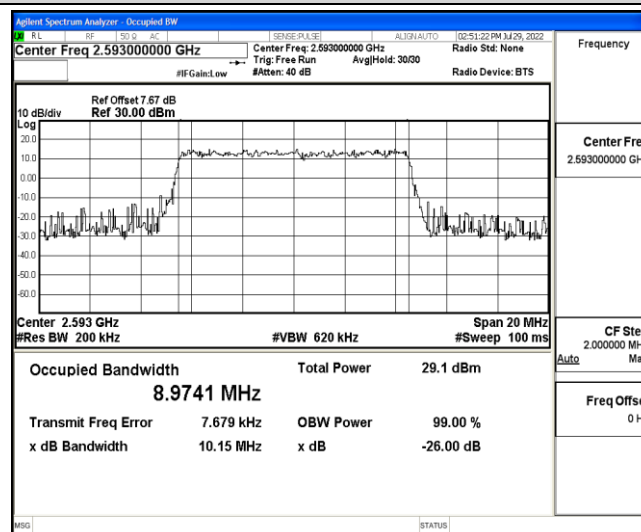
Scan code to check authenticity



## Band41-10MHz-QPSK-39700-50RB#0



## Band41-10MHz-QPSK-40620-50RB#0



## Band41-10MHz-QPSK-41540-50RB#0

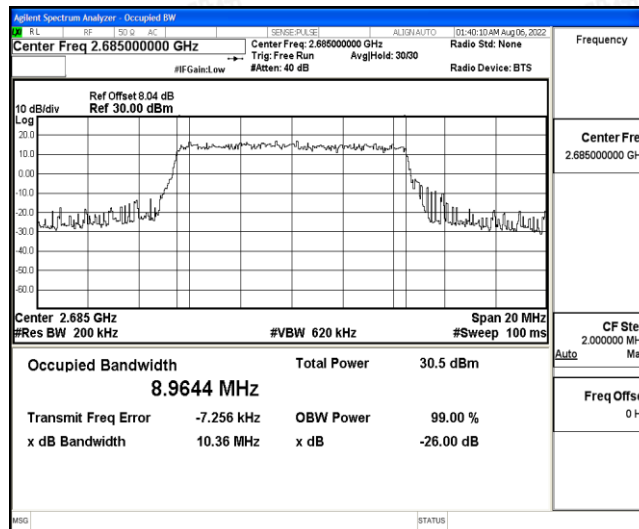


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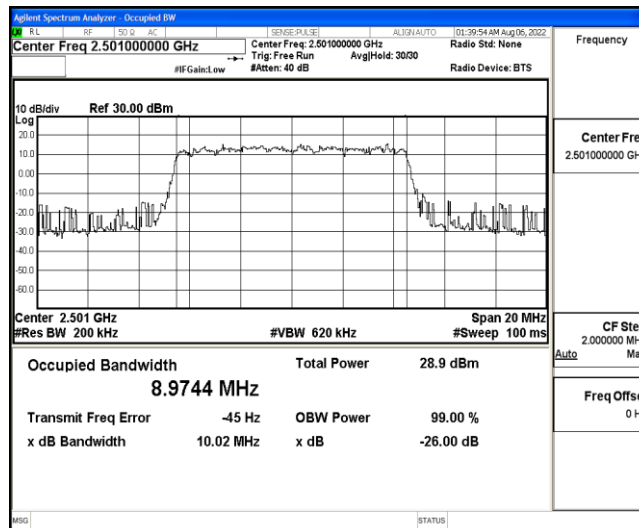
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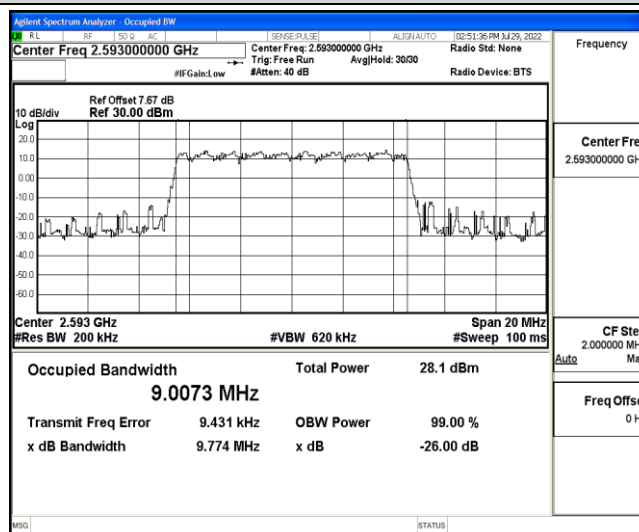
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## Band41-10MHz-16QAM-39700-50RB#0



## Band41-10MHz-16QAM-40620-50RB#0



## Band41-10MHz-16QAM-41540-50RB#0

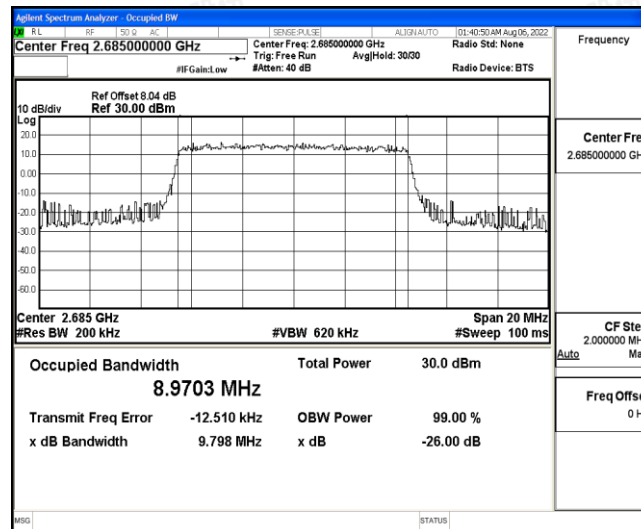


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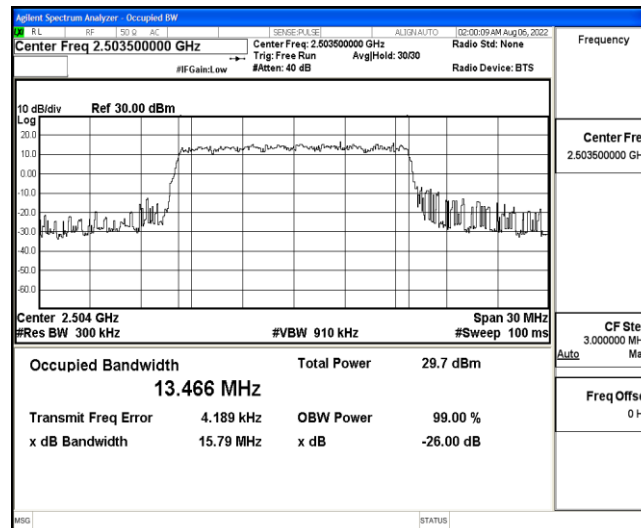
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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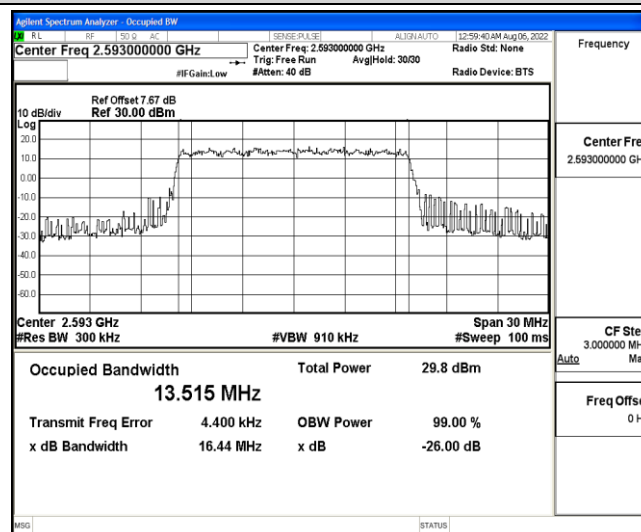
Scan code to check authenticity



## Band41-15MHz-QPSK-39725-75RB#0



## Band41-15MHz-QPSK-40620-75RB#0



## Band41-15MHz-QPSK-41515-75RB#0

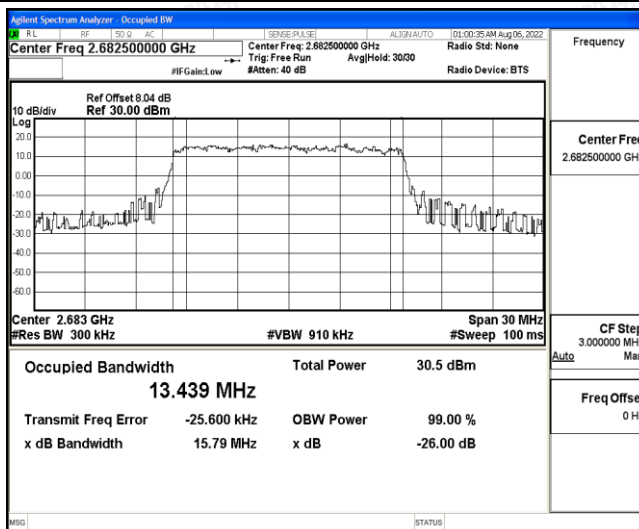


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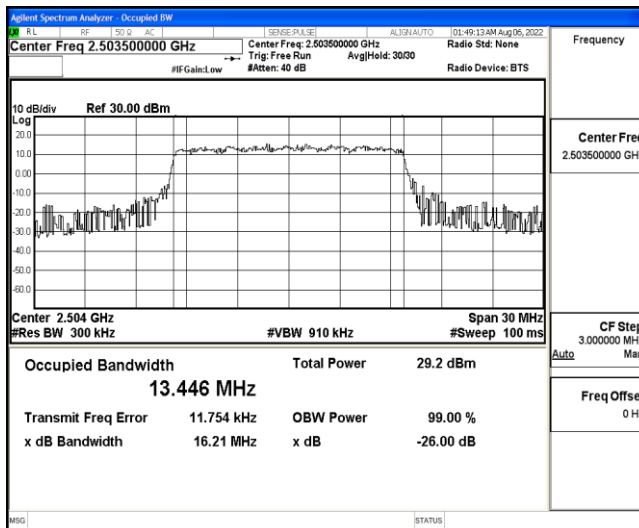
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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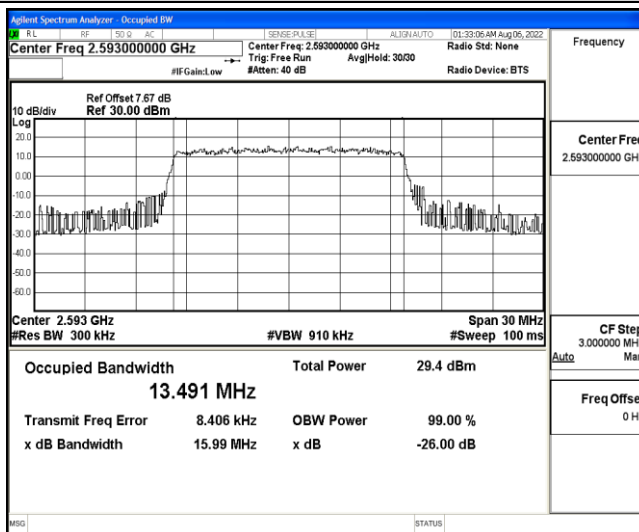
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## Band41-15MHz-16QAM-39725-75RB#0



## Band41-15MHz-16QAM-40620-75RB#0



## Band41-15MHz-16QAM-41515-75RB#0

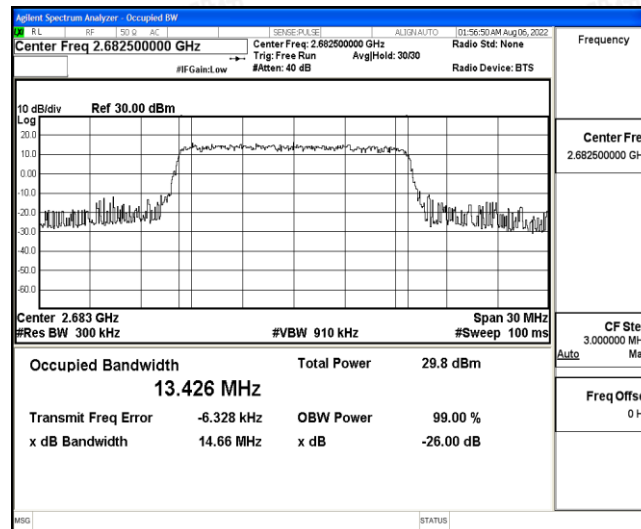


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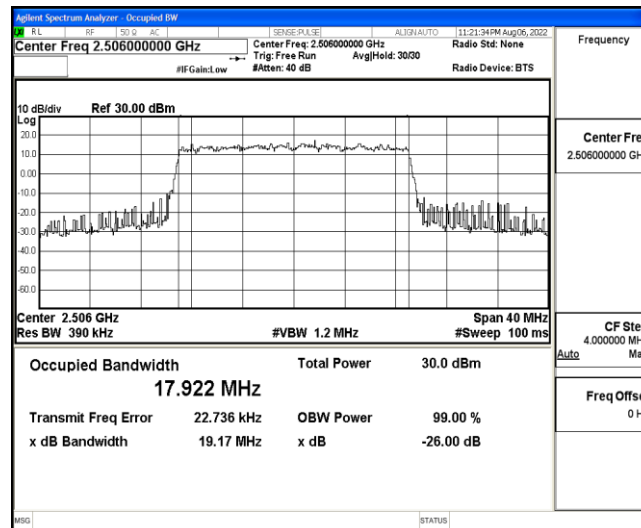
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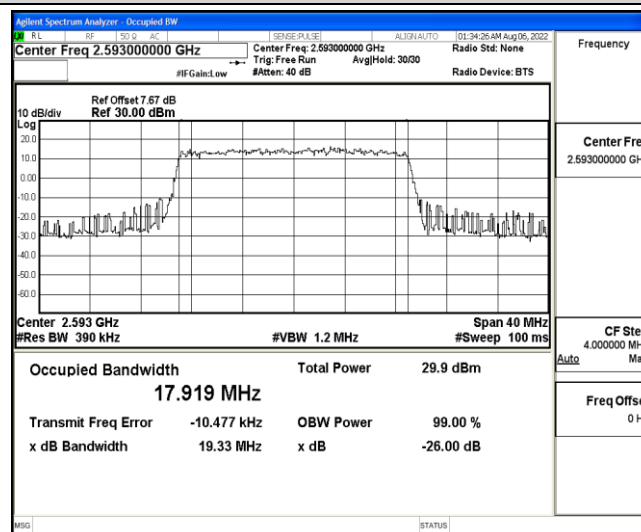
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## Band41-20MHz-QPSK-39750-100RB#0

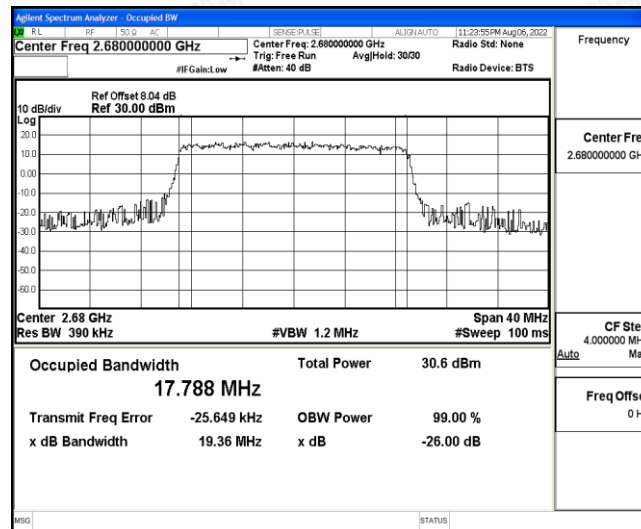


## Band41-20MHz-QPSK-40620-100RB#0

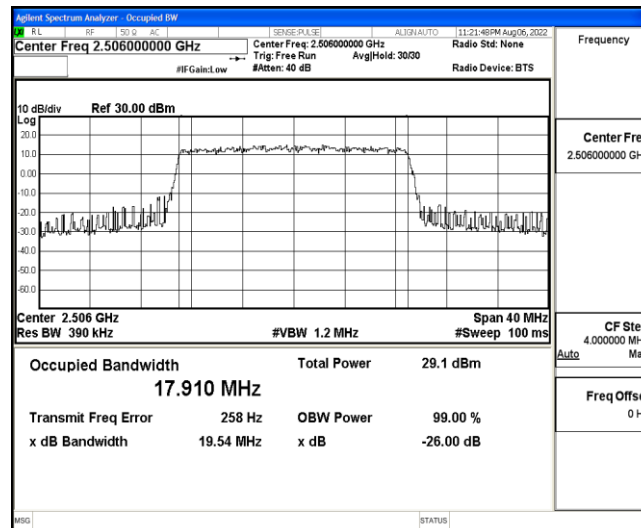


## Band41-20MHz-QPSK-41490-100RB#0

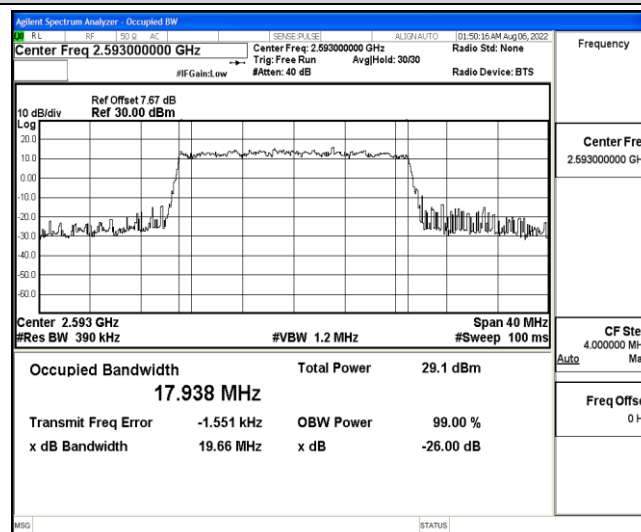




Band41-20MHz-16QAM-39750-100RB#0



Band41-20MHz-16QAM-40620-100RB#0



Band41-20MHz-16QAM-41490-100RB#0

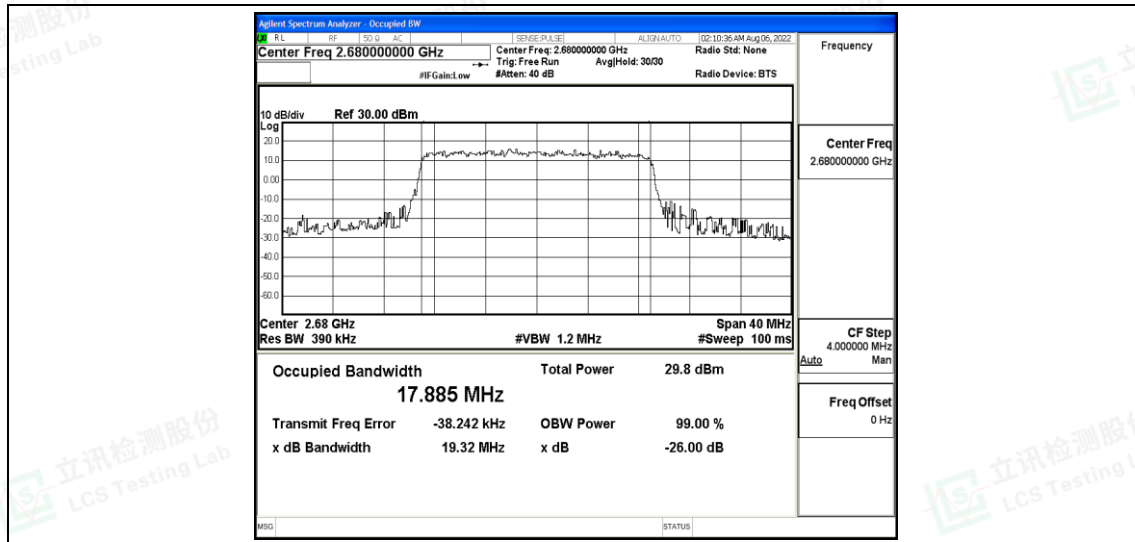


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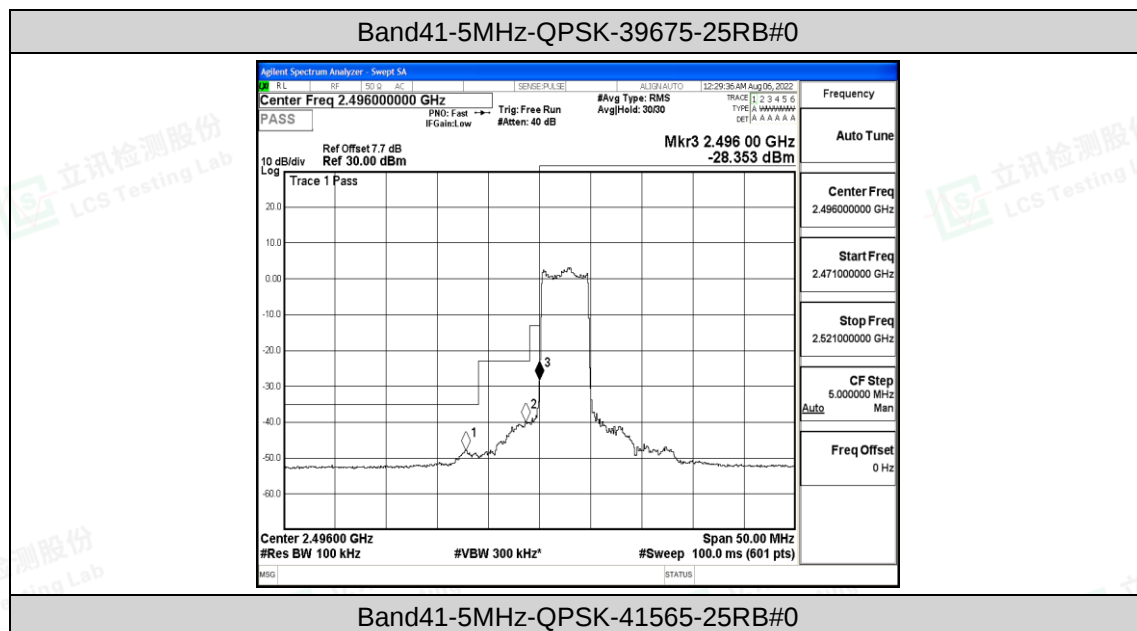


## I.4 Band Edge

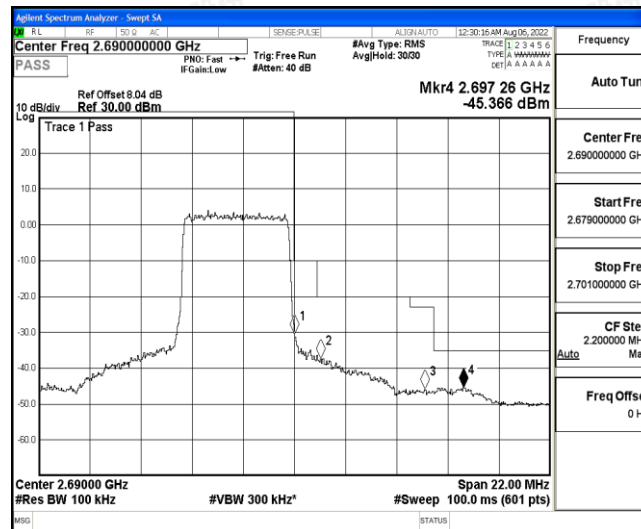
### Test Result

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Result(dBm)                 | Verdict |
|--------|-----------|------------|---------|------------------|-----------------------------|---------|
| Band41 | 5MHz      | QPSK       | 39675   | 25RB#0           | -47.81,-39.89,-28.35        | PASS    |
| Band41 | 5MHz      | QPSK       | 41565   | 25RB#0           | -30.40,-37.32,-45.86,-45.37 | PASS    |
| Band41 | 5MHz      | 16QAM      | 39675   | 25RB#0           | -48.67,-40.02,-31.10        | PASS    |
| Band41 | 5MHz      | 16QAM      | 41565   | 25RB#0           | -31.56,-37.52,-45.06,-45.64 | PASS    |
| Band41 | 10MHz     | QPSK       | 39700   | 50RB#0           | -47.34,-38.37,-33.03        | PASS    |
| Band41 | 10MHz     | QPSK       | 41540   | 50RB#0           | -29.99,-35.49,-40.55,-44.99 | PASS    |
| Band41 | 10MHz     | 16QAM      | 39700   | 50RB#0           | -47.15,-39.17,-34.97        | PASS    |
| Band41 | 10MHz     | 16QAM      | 41540   | 50RB#0           | -33.96,-36.60,-40.57,-44.65 | PASS    |
| Band41 | 15MHz     | QPSK       | 39725   | 75RB#0           | -46.68,-36.40,-34.01        | PASS    |
| Band41 | 15MHz     | QPSK       | 41515   | 75RB#0           | -32.51,-34.10,-39.06,-44.04 | PASS    |
| Band41 | 15MHz     | 16QAM      | 39725   | 75RB#0           | -45.46,-37.36,-35.90        | PASS    |
| Band41 | 15MHz     | 16QAM      | 41515   | 75RB#0           | -33.39,-35.67,-38.91,-43.82 | PASS    |
| Band41 | 20MHz     | QPSK       | 39750   | 100RB#0          | -46.45,-37.57,-36.15        | PASS    |
| Band41 | 20MHz     | QPSK       | 41490   | 100RB#0          | -36.34,-36.58,-39.12,-44.69 | PASS    |
| Band41 | 20MHz     | 16QAM      | 39750   | 100RB#0          | -46.31,-37.98,-37.21        | PASS    |
| Band41 | 20MHz     | 16QAM      | 41490   | 100RB#0          | -36.57,-37.37,-39.49,-44.71 | PASS    |

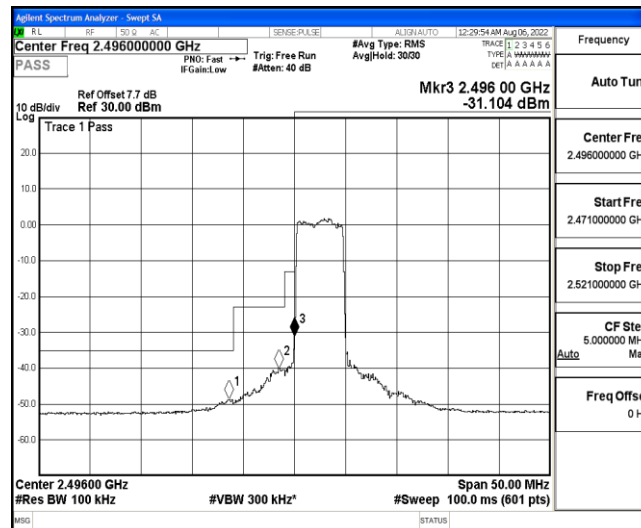
### Test Graphs



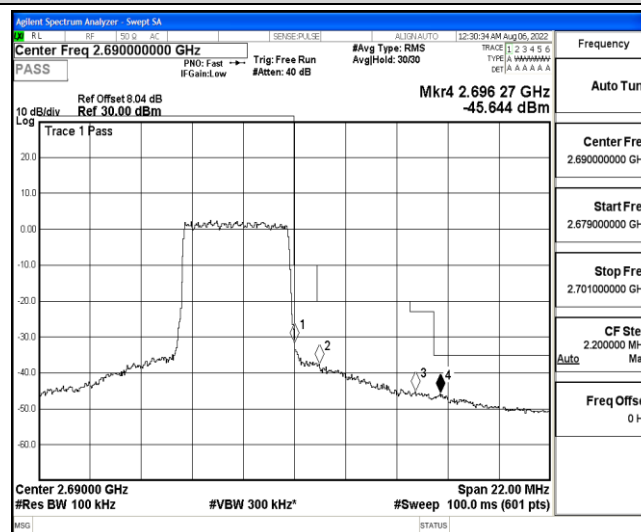
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Band41-5MHz-16QAM-39675-25RB#0

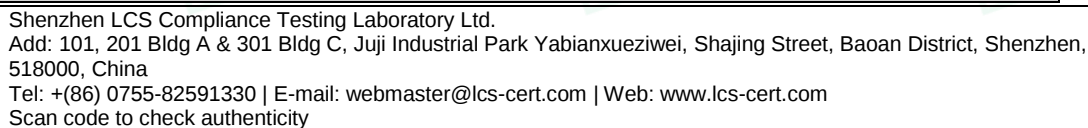
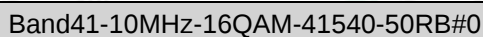
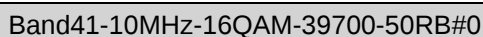


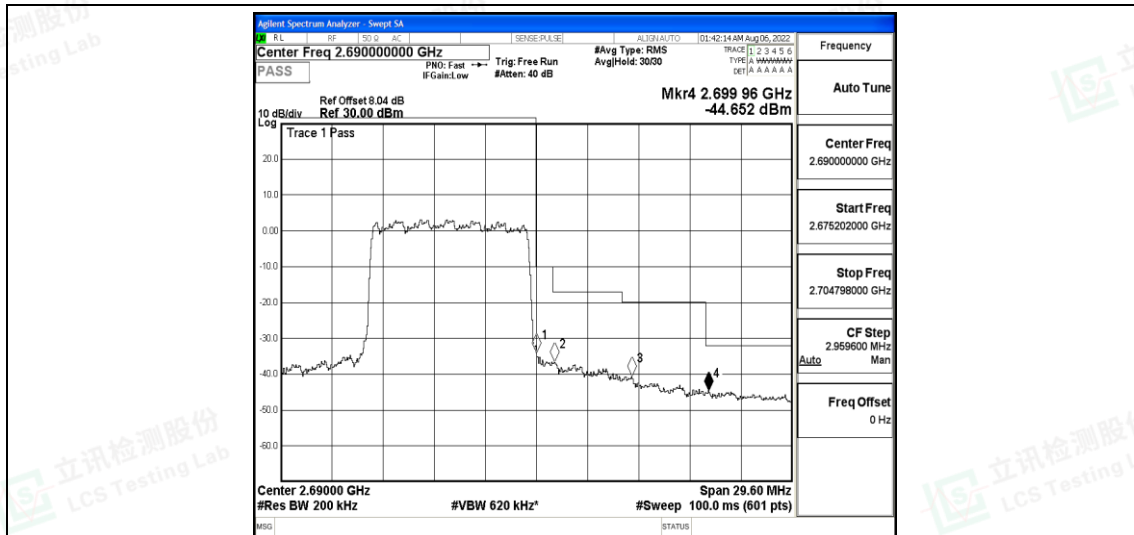
Band41-5MHz-16QAM-41565-25RB#0



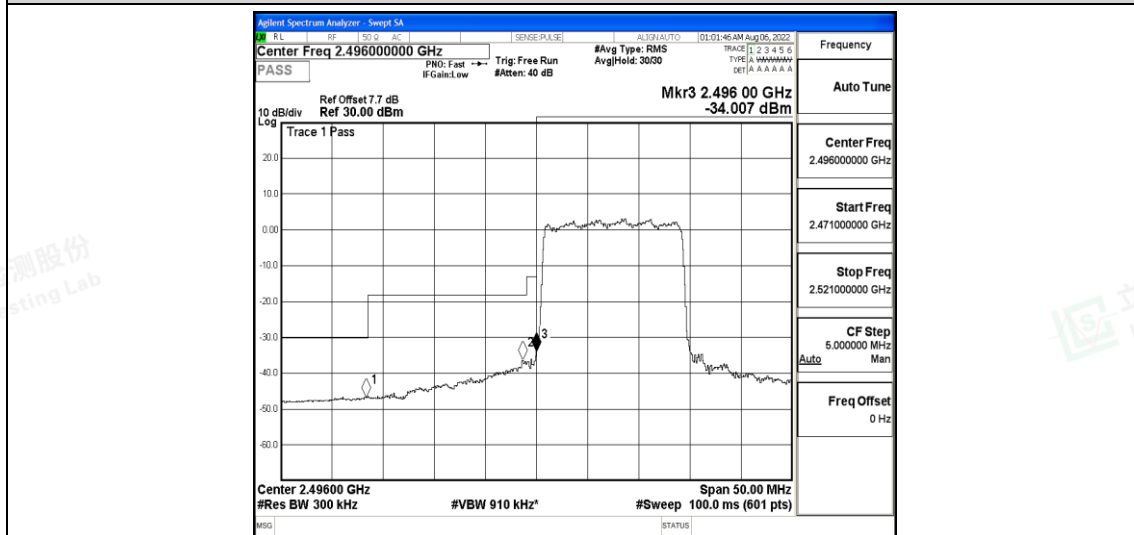
Band41-10MHz-QPSK-39700-50RB#0



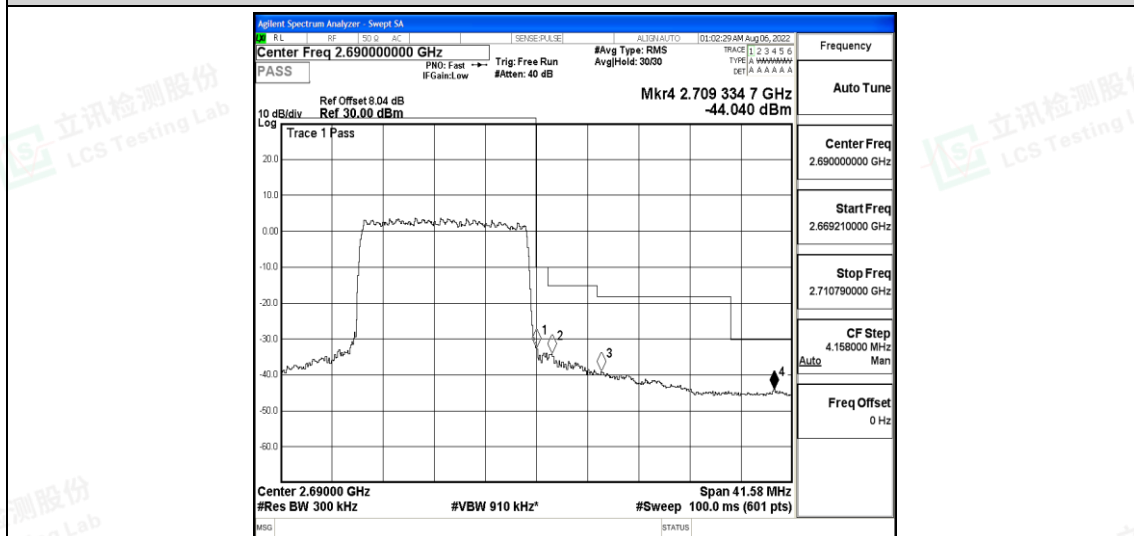




Band41-15MHz-QPSK-39725-75RB#0



Band41-15MHz-QPSK-41515-75RB#0



Band41-15MHz-16QAM-39725-75RB#0

