



**Shenzhen GUOREN Certification Technology Service Co., Ltd.**

101#, Building K & Building T, The Second Industrial Zone, Jiazitang Community,  
Fenghuang Street, Guangming District, Shenzhen, China

No.:GRCTR250502011-04

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**SMS Gateway**

**M/N:ACOM664L-64-EG91**

**FCC ID:2BLXD-ACOM664L**

**Applicant:Shenzhen ejoin technology co.,ltd.**

**Appendix for LTE Band 12**



Shenzhen GUOREN Certification Technology Service Co., Ltd.

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No.:GRCTR250502011-04

## Appendix A: Conducted Power Output Data

### Test Result

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Result(dBm) | Verdict |
|--------|-----------|------------|---------|------------------|-------------|---------|
| Band12 | 1.4MHz    | QPSK       | 23017   | 1RB#0            | 24.11       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23017   | 1RB#2            | 24.19       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23017   | 1RB#5            | 23.93       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23017   | 3RB#0            | 23.90       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23017   | 3RB#1            | 23.88       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23017   | 3RB#3            | 23.75       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23017   | 6RB#0            | 22.84       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 1RB#0            | 23.15       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 1RB#2            | 23.05       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 1RB#5            | 23.06       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 3RB#0            | 22.73       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 3RB#1            | 22.49       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 3RB#3            | 22.68       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 6RB#0            | 21.99       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 1RB#0            | 24.56       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 1RB#2            | 24.54       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 1RB#5            | 24.19       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 3RB#0            | 24.41       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 3RB#1            | 24.31       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 3RB#3            | 24.36       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 6RB#0            | 23.35       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23095   | 1RB#0            | 23.43       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23095   | 1RB#2            | 23.43       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23095   | 1RB#5            | 23.25       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23095   | 3RB#0            | 23.03       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23095   | 3RB#1            | 23.12       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23095   | 3RB#3            | 23.23       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23095   | 6RB#0            | 22.28       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 1RB#0            | 24.41       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 1RB#2            | 24.48       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 1RB#5            | 24.11       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 3RB#0            | 24.23       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 3RB#1            | 24.23       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 3RB#3            | 24.05       | PASS    |



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|        |        |       |       |        |       |      |
|--------|--------|-------|-------|--------|-------|------|
| Band12 | 1.4MHz | QPSK  | 23173 | 6RB#0  | 23.30 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 1RB#0  | 23.42 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 1RB#2  | 23.38 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 1RB#5  | 23.52 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 3RB#0  | 22.91 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 3RB#1  | 23.00 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 3RB#3  | 22.74 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 6RB#0  | 22.35 | PASS |
| Band12 | 3MHz   | QPSK  | 23025 | 1RB#0  | 23.85 | PASS |
| Band12 | 3MHz   | QPSK  | 23025 | 1RB#8  | 23.82 | PASS |
| Band12 | 3MHz   | QPSK  | 23025 | 1RB#14 | 23.77 | PASS |
| Band12 | 3MHz   | QPSK  | 23025 | 8RB#0  | 22.82 | PASS |
| Band12 | 3MHz   | QPSK  | 23025 | 8RB#4  | 22.85 | PASS |
| Band12 | 3MHz   | QPSK  | 23025 | 8RB#7  | 23.00 | PASS |
| Band12 | 3MHz   | QPSK  | 23025 | 15RB#0 | 22.97 | PASS |
| Band12 | 3MHz   | 16QAM | 23025 | 1RB#0  | 22.67 | PASS |
| Band12 | 3MHz   | 16QAM | 23025 | 1RB#8  | 22.96 | PASS |
| Band12 | 3MHz   | 16QAM | 23025 | 1RB#14 | 22.78 | PASS |
| Band12 | 3MHz   | 16QAM | 23025 | 8RB#0  | 22.09 | PASS |
| Band12 | 3MHz   | 16QAM | 23025 | 8RB#4  | 21.91 | PASS |
| Band12 | 3MHz   | 16QAM | 23025 | 8RB#7  | 22.05 | PASS |
| Band12 | 3MHz   | 16QAM | 23025 | 15RB#0 | 22.13 | PASS |
| Band12 | 3MHz   | QPSK  | 23095 | 1RB#0  | 24.11 | PASS |
| Band12 | 3MHz   | QPSK  | 23095 | 1RB#8  | 24.39 | PASS |
| Band12 | 3MHz   | QPSK  | 23095 | 1RB#14 | 24.13 | PASS |
| Band12 | 3MHz   | QPSK  | 23095 | 8RB#0  | 23.35 | PASS |
| Band12 | 3MHz   | QPSK  | 23095 | 8RB#4  | 23.27 | PASS |
| Band12 | 3MHz   | QPSK  | 23095 | 8RB#7  | 23.29 | PASS |
| Band12 | 3MHz   | QPSK  | 23095 | 15RB#0 | 23.26 | PASS |
| Band12 | 3MHz   | 16QAM | 23095 | 1RB#0  | 23.26 | PASS |
| Band12 | 3MHz   | 16QAM | 23095 | 1RB#8  | 23.26 | PASS |
| Band12 | 3MHz   | 16QAM | 23095 | 1RB#14 | 22.86 | PASS |
| Band12 | 3MHz   | 16QAM | 23095 | 8RB#0  | 22.49 | PASS |
| Band12 | 3MHz   | 16QAM | 23095 | 8RB#4  | 22.29 | PASS |
| Band12 | 3MHz   | 16QAM | 23095 | 8RB#7  | 22.13 | PASS |
| Band12 | 3MHz   | 16QAM | 23095 | 15RB#0 | 22.20 | PASS |
| Band12 | 3MHz   | QPSK  | 23165 | 1RB#0  | 24.40 | PASS |
| Band12 | 3MHz   | QPSK  | 23165 | 1RB#8  | 24.39 | PASS |
| Band12 | 3MHz   | QPSK  | 23165 | 1RB#14 | 24.10 | PASS |
| Band12 | 3MHz   | QPSK  | 23165 | 8RB#0  | 23.41 | PASS |



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|        |      |       |       |         |       |      |
|--------|------|-------|-------|---------|-------|------|
| Band12 | 3MHz | QPSK  | 23165 | 8RB#4   | 23.41 | PASS |
| Band12 | 3MHz | QPSK  | 23165 | 8RB#7   | 23.14 | PASS |
| Band12 | 3MHz | QPSK  | 23165 | 15RB#0  | 23.39 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 1RB#0   | 23.70 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 1RB#8   | 23.13 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 1RB#14  | 23.05 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 8RB#0   | 22.18 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 8RB#4   | 22.53 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 8RB#7   | 22.10 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 15RB#0  | 22.10 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 1RB#0   | 23.82 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 1RB#12  | 23.98 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 1RB#24  | 24.06 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 12RB#0  | 22.78 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 12RB#6  | 22.80 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 12RB#13 | 22.86 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 25RB#0  | 22.82 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 1RB#0   | 22.80 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 1RB#12  | 22.71 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 1RB#24  | 22.91 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 12RB#0  | 21.62 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 12RB#6  | 21.92 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 12RB#13 | 21.63 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 25RB#0  | 21.86 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 1RB#0   | 24.31 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 1RB#12  | 24.28 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 1RB#24  | 24.26 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 12RB#0  | 23.31 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 12RB#6  | 23.24 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 12RB#13 | 23.26 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 25RB#0  | 23.28 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 1RB#0   | 22.81 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 1RB#12  | 22.80 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 1RB#24  | 23.25 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 12RB#0  | 22.18 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 12RB#6  | 22.31 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 12RB#13 | 22.45 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 25RB#0  | 22.28 | PASS |
| Band12 | 5MHz | QPSK  | 23155 | 1RB#0   | 24.03 | PASS |
| Band12 | 5MHz | QPSK  | 23155 | 1RB#12  | 23.94 | PASS |

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|        |       |       |       |         |       |      |
|--------|-------|-------|-------|---------|-------|------|
| Band12 | 5MHz  | QPSK  | 23155 | 1RB#24  | 24.18 | PASS |
| Band12 | 5MHz  | QPSK  | 23155 | 12RB#0  | 23.08 | PASS |
| Band12 | 5MHz  | QPSK  | 23155 | 12RB#6  | 23.09 | PASS |
| Band12 | 5MHz  | QPSK  | 23155 | 12RB#13 | 23.12 | PASS |
| Band12 | 5MHz  | QPSK  | 23155 | 25RB#0  | 23.20 | PASS |
| Band12 | 5MHz  | 16QAM | 23155 | 1RB#0   | 22.95 | PASS |
| Band12 | 5MHz  | 16QAM | 23155 | 1RB#12  | 23.05 | PASS |
| Band12 | 5MHz  | 16QAM | 23155 | 1RB#24  | 23.01 | PASS |
| Band12 | 5MHz  | 16QAM | 23155 | 12RB#0  | 22.04 | PASS |
| Band12 | 5MHz  | 16QAM | 23155 | 12RB#6  | 22.04 | PASS |
| Band12 | 5MHz  | 16QAM | 23155 | 12RB#13 | 22.18 | PASS |
| Band12 | 5MHz  | 16QAM | 23155 | 25RB#0  | 22.17 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 1RB#0   | 23.67 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 1RB#24  | 23.46 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 1RB#49  | 24.09 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 25RB#0  | 22.81 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 25RB#12 | 22.78 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 25RB#25 | 23.22 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 50RB#0  | 23.12 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 1RB#0   | 22.61 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 1RB#24  | 22.60 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 1RB#49  | 23.17 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 25RB#0  | 21.79 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 25RB#12 | 21.78 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 25RB#25 | 22.23 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 1RB#0   | 23.87 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 1RB#24  | 23.70 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 1RB#49  | 23.90 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 25RB#0  | 23.09 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 25RB#12 | 23.12 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 25RB#25 | 23.03 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 50RB#0  | 23.02 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 1RB#0   | 22.84 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 1RB#24  | 22.61 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 1RB#49  | 22.99 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 25RB#0  | 22.21 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 25RB#12 | 22.22 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 25RB#25 | 22.10 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 1RB#0   | 24.38 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 1RB#24  | 24.35 | PASS |



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|        |       |       |       |         |       |      |
|--------|-------|-------|-------|---------|-------|------|
| Band12 | 10MHz | QPSK  | 23130 | 1RB#49  | 24.02 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 25RB#0  | 23.13 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 25RB#12 | 23.08 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 25RB#25 | 23.23 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 50RB#0  | 23.15 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 1RB#0   | 23.21 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 1RB#24  | 23.21 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 1RB#49  | 23.48 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 25RB#0  | 22.21 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 25RB#12 | 22.53 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 25RB#25 | 22.27 | PASS |



## Appendix B: Peak-to-Average Ratio(CCDF)

### Test Result

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|--------|-----------|------------|---------|------------------|------------|-----------|---------|
| Band12 | 1.4MHz    | QPSK       | 23017   | 1RB#0            | 4.62       | 13        | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23017   | 6RB#0            | 5.38       | 13        | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 1RB#0            | 5.85       | 13        | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 6RB#0            | 6.29       | 13        | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 1RB#0            | 4.48       | 13        | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 6RB#0            | 5.16       | 13        | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23095   | 1RB#0            | 5.39       | 13        | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23095   | 6RB#0            | 6.08       | 13        | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 1RB#0            | 4.54       | 13        | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 6RB#0            | 5.23       | 13        | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23173   | 1RB#0            | 5.63       | 13        | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23173   | 6RB#0            | 6.13       | 13        | PASS    |
| Band12 | 3MHz      | QPSK       | 23025   | 1RB#0            | 4.74       | 13        | PASS    |
| Band12 | 3MHz      | QPSK       | 23025   | 15RB#0           | 5.39       | 13        | PASS    |
| Band12 | 3MHz      | 16QAM      | 23025   | 1RB#0            | 5.79       | 13        | PASS    |
| Band12 | 3MHz      | 16QAM      | 23025   | 15RB#0           | 6.26       | 13        | PASS    |
| Band12 | 3MHz      | QPSK       | 23095   | 1RB#0            | 4.55       | 13        | PASS    |
| Band12 | 3MHz      | QPSK       | 23095   | 15RB#0           | 5.20       | 13        | PASS    |
| Band12 | 3MHz      | 16QAM      | 23095   | 1RB#0            | 5.57       | 13        | PASS    |
| Band12 | 3MHz      | 16QAM      | 23095   | 15RB#0           | 6.07       | 13        | PASS    |
| Band12 | 3MHz      | QPSK       | 23165   | 1RB#0            | 4.81       | 13        | PASS    |
| Band12 | 3MHz      | QPSK       | 23165   | 15RB#0           | 5.31       | 13        | PASS    |
| Band12 | 3MHz      | 16QAM      | 23165   | 1RB#0            | 5.91       | 13        | PASS    |
| Band12 | 3MHz      | 16QAM      | 23165   | 15RB#0           | 6.15       | 13        | PASS    |
| Band12 | 5MHz      | QPSK       | 23035   | 1RB#0            | 4.71       | 13        | PASS    |
| Band12 | 5MHz      | QPSK       | 23035   | 25RB#0           | 5.45       | 13        | PASS    |
| Band12 | 5MHz      | 16QAM      | 23035   | 1RB#0            | 5.61       | 13        | PASS    |
| Band12 | 5MHz      | 16QAM      | 23035   | 25RB#0           | 6.24       | 13        | PASS    |
| Band12 | 5MHz      | QPSK       | 23095   | 1RB#0            | 4.67       | 13        | PASS    |
| Band12 | 5MHz      | QPSK       | 23095   | 25RB#0           | 5.15       | 13        | PASS    |
| Band12 | 5MHz      | 16QAM      | 23095   | 1RB#0            | 5.62       | 13        | PASS    |
| Band12 | 5MHz      | 16QAM      | 23095   | 25RB#0           | 6.00       | 13        | PASS    |
| Band12 | 5MHz      | QPSK       | 23155   | 1RB#0            | 4.85       | 13        | PASS    |
| Band12 | 5MHz      | QPSK       | 23155   | 25RB#0           | 5.31       | 13        | PASS    |



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|        |       |       |       |        |      |    |      |
|--------|-------|-------|-------|--------|------|----|------|
| Band12 | 5MHz  | 16QAM | 23155 | 1RB#0  | 5.72 | 13 | PASS |
| Band12 | 5MHz  | 16QAM | 23155 | 25RB#0 | 6.14 | 13 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 1RB#0  | 4.74 | 13 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 50RB#0 | 5.29 | 13 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 1RB#0  | 5.80 | 13 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 1RB#0  | 4.74 | 13 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 50RB#0 | 5.03 | 13 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 1RB#0  | 5.80 | 13 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 1RB#0  | 4.36 | 13 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 50RB#0 | 5.41 | 13 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 1RB#0  | 5.40 | 13 | PASS |



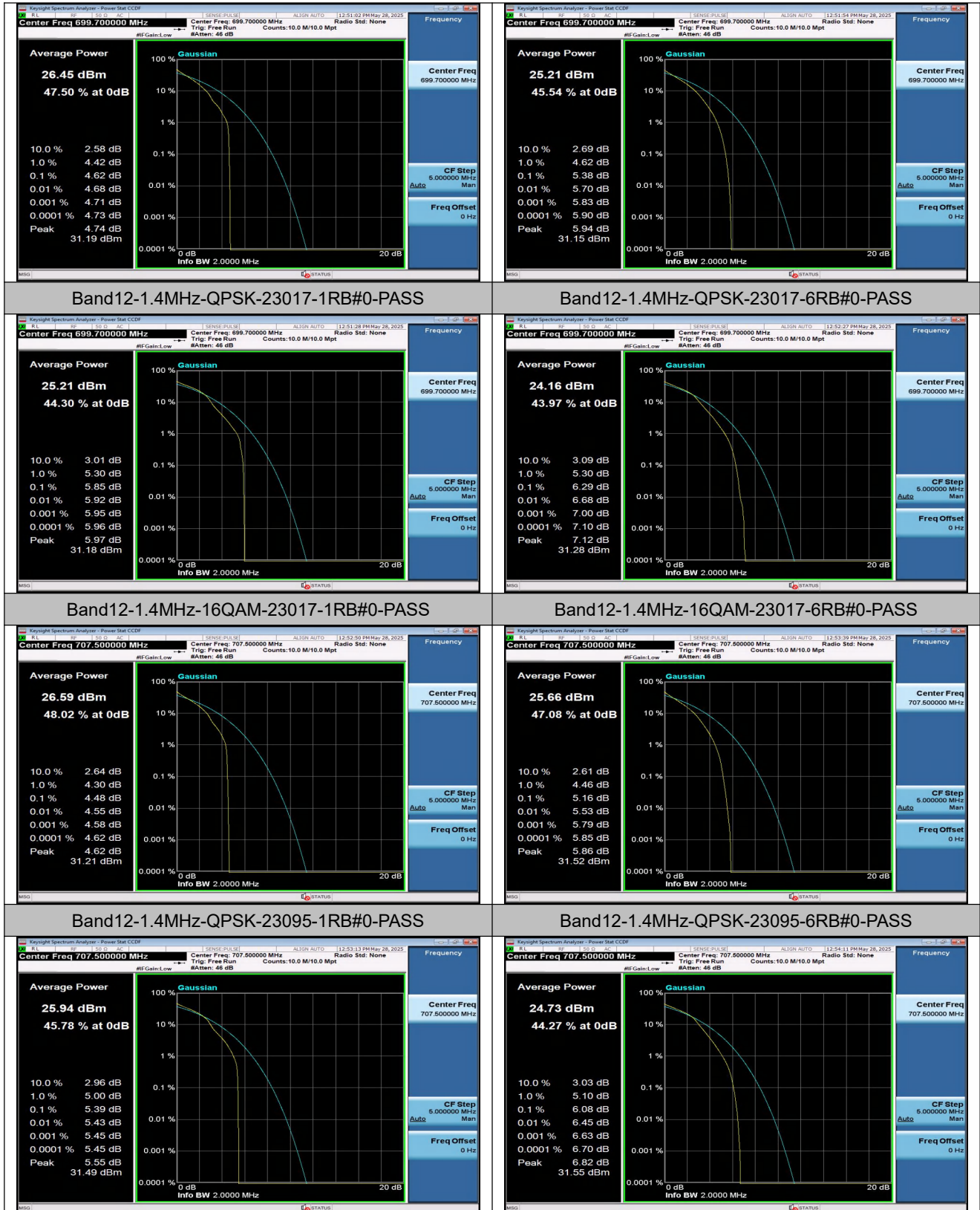


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## Test Graphs





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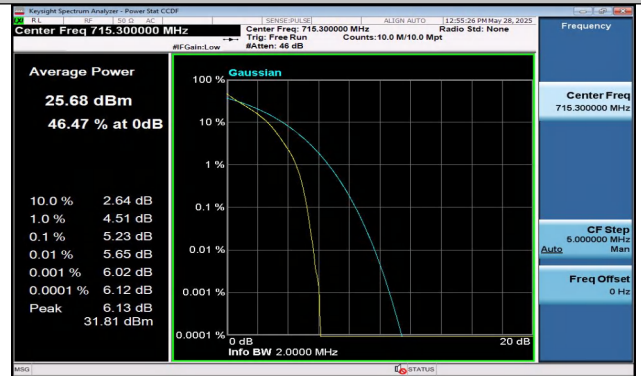
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Band12-1.4MHz-16QAM-23095-1RB#0-PASS



Band12-1.4MHz-16QAM-23095-6RB#0-PASS



Band12-1.4MHz-QPSK-23173-1RB#0-PASS



Band12-1.4MHz-QPSK-23173-6RB#0-PASS



Band12-1.4MHz-16QAM-23173-1RB#0-PASS



Band12-1.4MHz-16QAM-23173-6RB#0-PASS



Band12-3MHz-QPSK-23025-1RB#0-PASS



Band12-3MHz-QPSK-23025-15RB#0-PASS



Band12-3MHz-16QAM-23025-1RB#0-PASS

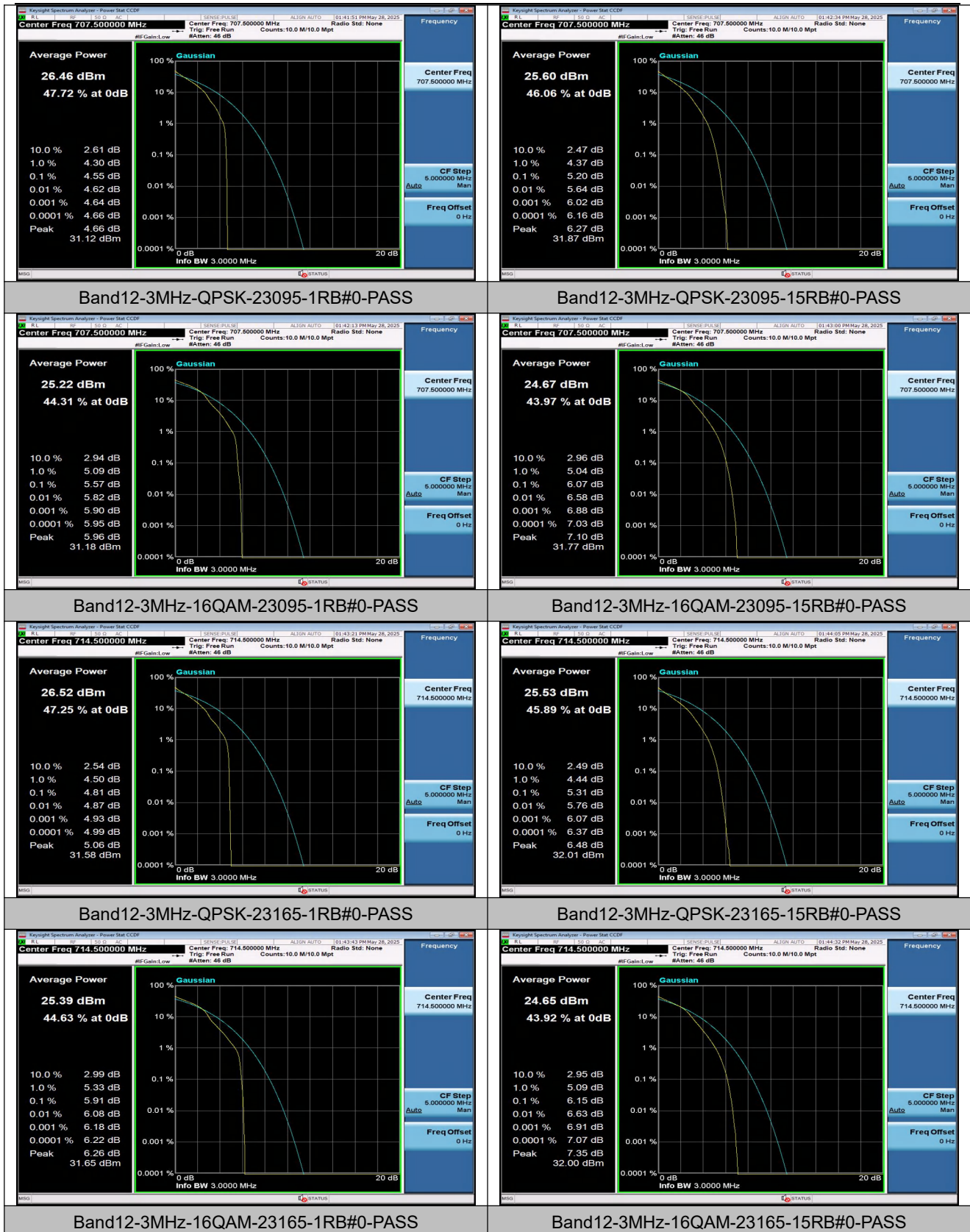
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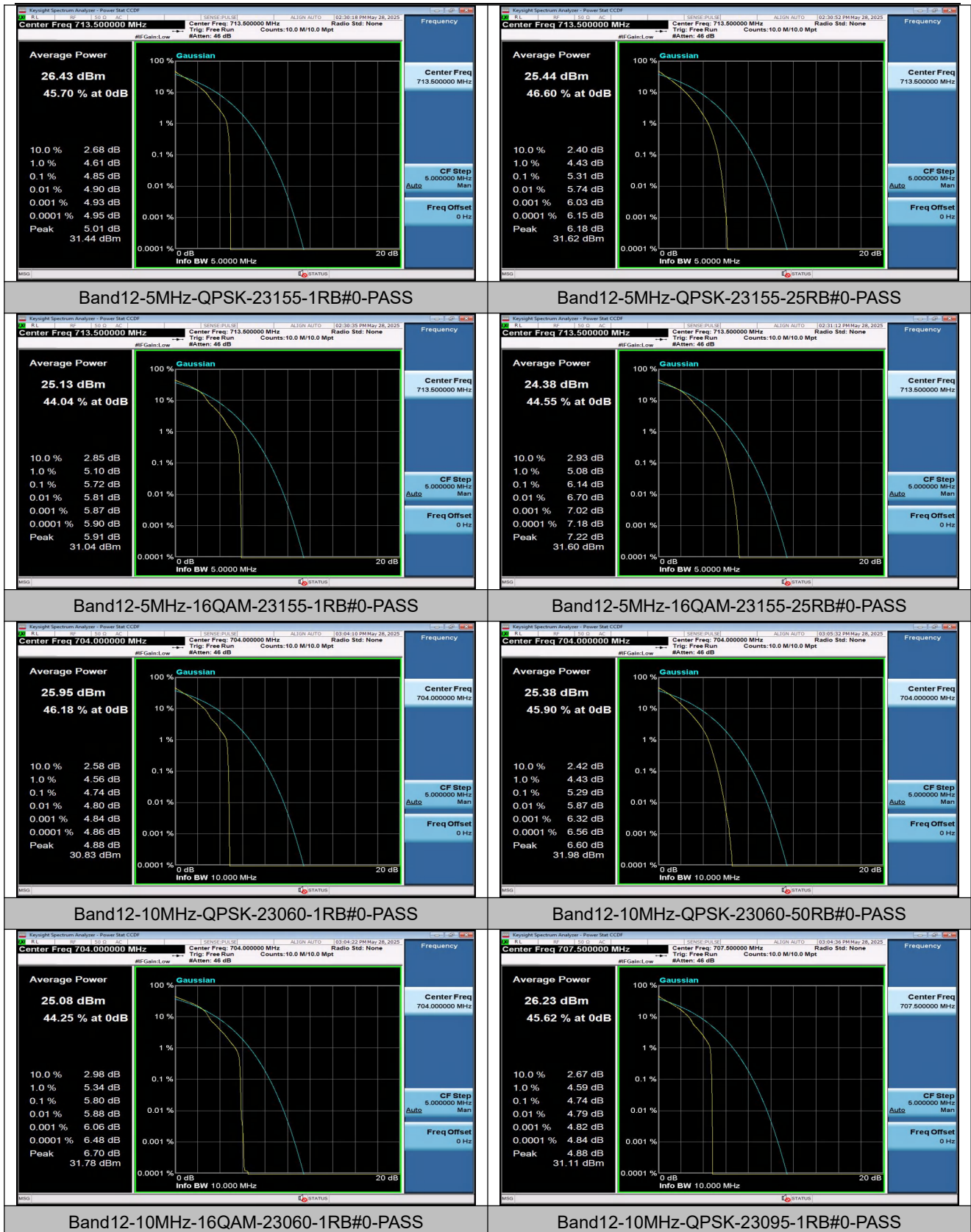




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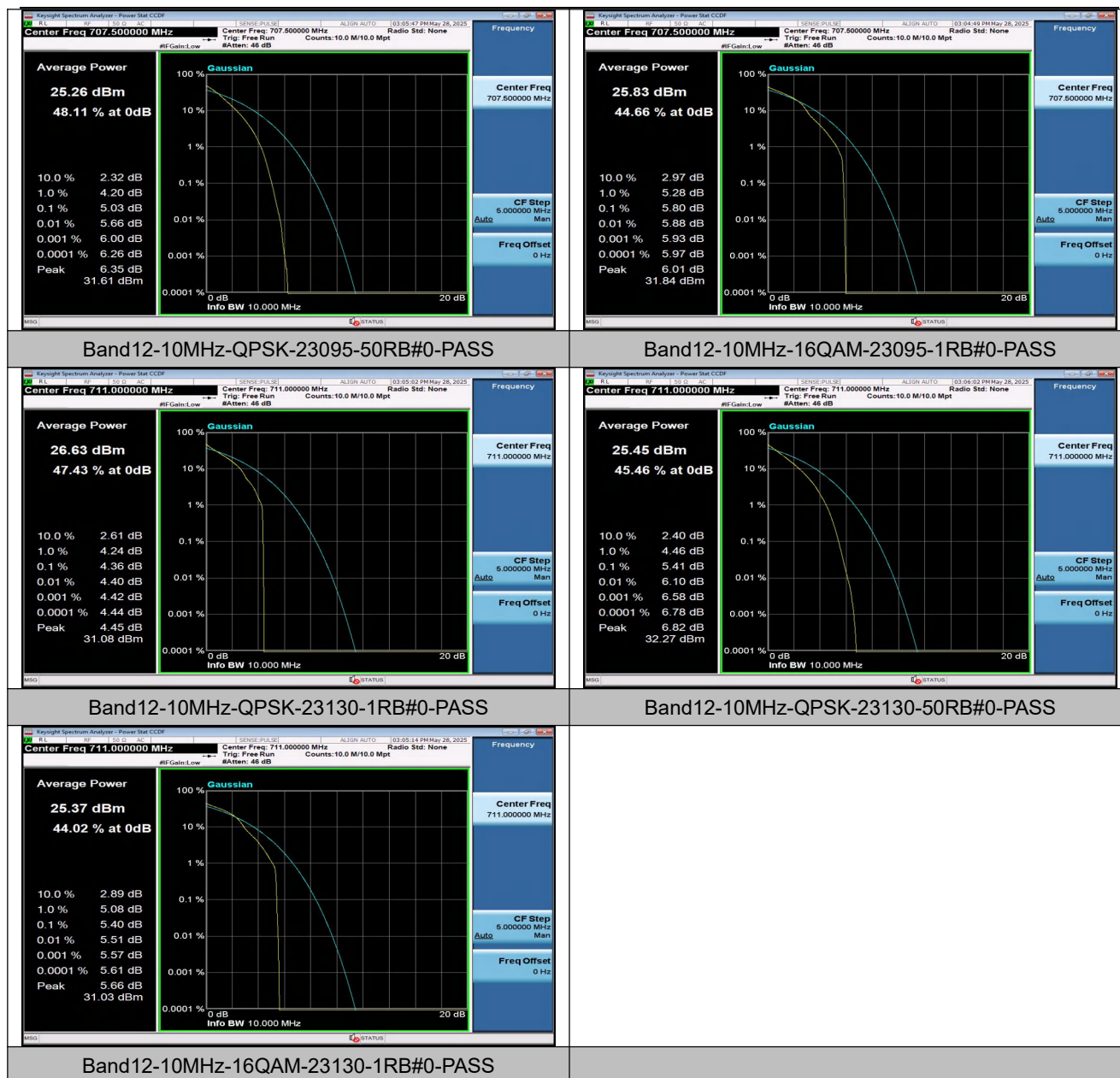




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## Appendix C: 26dB Bandwidth and Occupied Bandwidth

### Test Result

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|--------|-----------|------------|---------|------------------|--------------------------|----------------------|---------|
| Band12 | 1.4MHz    | QPSK       | 23017   | 6RB#0            | 1.0968                   | 1.289                | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 6RB#0            | 1.0964                   | 1.280                | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 6RB#0            | 1.0969                   | 1.303                | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23095   | 6RB#0            | 1.0885                   | 1.267                | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 6RB#0            | 1.0949                   | 1.286                | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23173   | 6RB#0            | 1.0970                   | 1.280                | PASS    |
| Band12 | 3MHz      | QPSK       | 23025   | 15RB#0           | 2.6988                   | 2.983                | PASS    |
| Band12 | 3MHz      | 16QAM      | 23025   | 15RB#0           | 2.6908                   | 2.954                | PASS    |
| Band12 | 3MHz      | QPSK       | 23095   | 15RB#0           | 2.6949                   | 2.953                | PASS    |
| Band12 | 3MHz      | 16QAM      | 23095   | 15RB#0           | 2.6886                   | 2.967                | PASS    |
| Band12 | 3MHz      | QPSK       | 23165   | 15RB#0           | 2.7080                   | 2.964                | PASS    |
| Band12 | 3MHz      | 16QAM      | 23165   | 15RB#0           | 2.6970                   | 2.964                | PASS    |
| Band12 | 5MHz      | QPSK       | 23035   | 25RB#0           | 4.5213                   | 5.030                | PASS    |
| Band12 | 5MHz      | 16QAM      | 23035   | 25RB#0           | 4.5126                   | 4.951                | PASS    |
| Band12 | 5MHz      | QPSK       | 23095   | 25RB#0           | 4.4893                   | 4.942                | PASS    |
| Band12 | 5MHz      | 16QAM      | 23095   | 25RB#0           | 4.4943                   | 4.989                | PASS    |
| Band12 | 5MHz      | QPSK       | 23155   | 25RB#0           | 4.5089                   | 4.980                | PASS    |
| Band12 | 5MHz      | 16QAM      | 23155   | 25RB#0           | 4.5128                   | 5.027                | PASS    |
| Band12 | 10MHz     | QPSK       | 23060   | 50RB#0           | 8.9623                   | 9.853                | PASS    |
| Band12 | 10MHz     | 16QAM      | 23060   | 27RB#0           | 5.0007                   | 5.906                | PASS    |
| Band12 | 10MHz     | QPSK       | 23095   | 50RB#0           | 8.9095                   | 9.802                | PASS    |
| Band12 | 10MHz     | 16QAM      | 23095   | 27RB#0           | 4.9671                   | 5.753                | PASS    |
| Band12 | 10MHz     | QPSK       | 23130   | 50RB#0           | 8.9567                   | 9.801                | PASS    |
| Band12 | 10MHz     | 16QAM      | 23130   | 27RB#0           | 4.9618                   | 5.801                | PASS    |



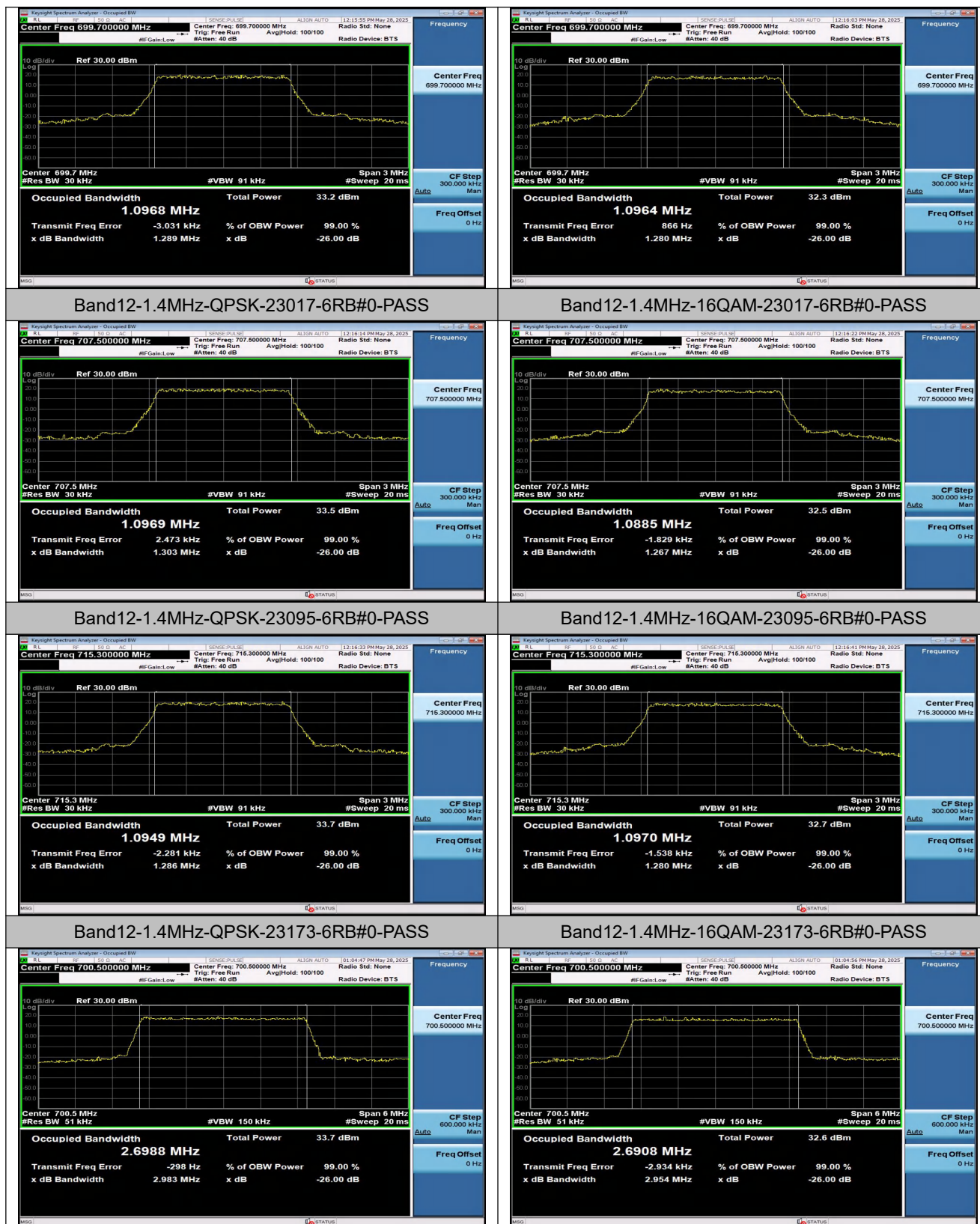


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## Test Graphs





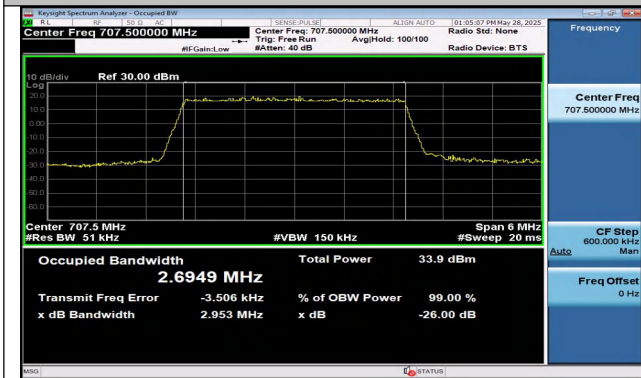


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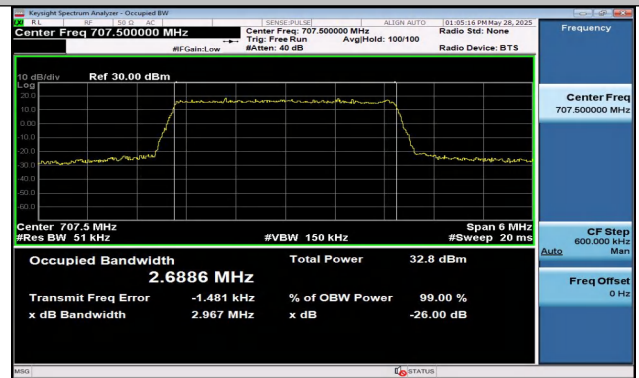
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No.: GRCTR250502011-04

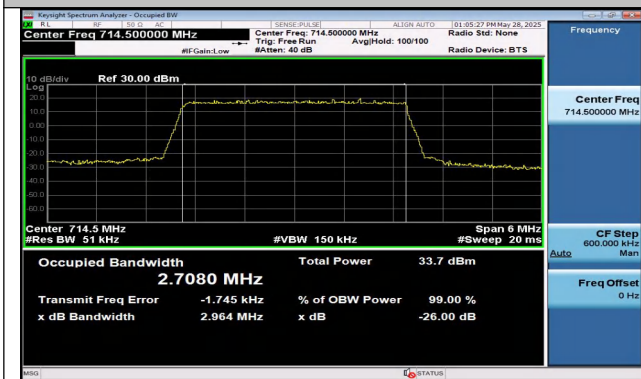
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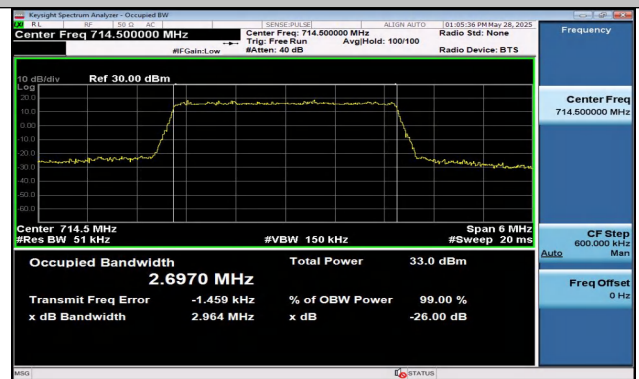
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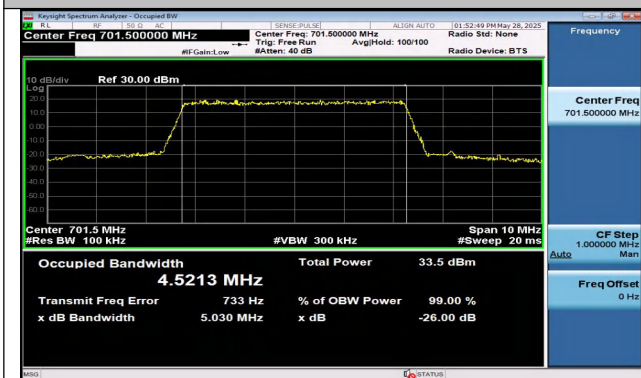
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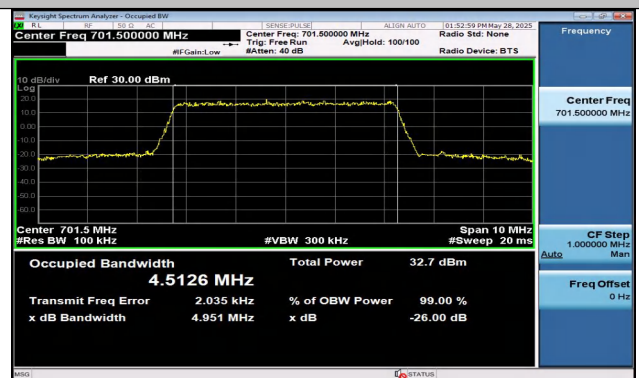
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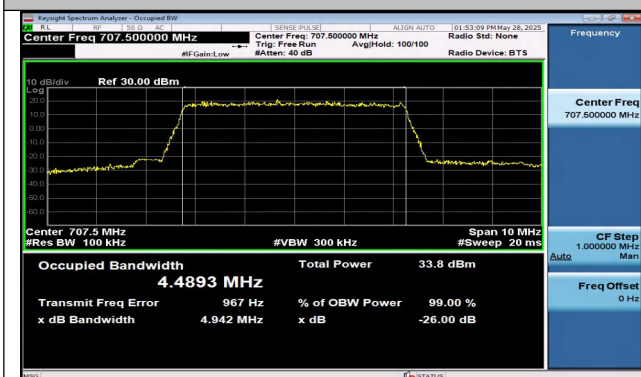
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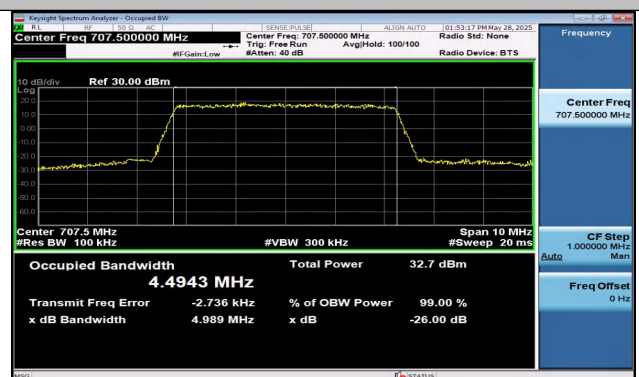
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Band12-5MHz-QPSK-23035-25RB#0-PASS



Band12-5MHz-16QAM-23035-25RB#0-PASS



Band12-5MHz-QPSK-23095-25RB#0-PASS



Band12-5MHz-16QAM-23095-25RB#0-PASS

