



**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.:GRCTR250502011-03

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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 5**



Shenzhen GUOREN Certification Technology Service Co., Ltd.

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No.:GRCTR250502011-03

## Appendix A: Conducted Power Output Data

### Test Result

| Band  | Bandwidth | Modulation | Channel | RB Configuration | Result(dBm) | Verdict |
|-------|-----------|------------|---------|------------------|-------------|---------|
| Band5 | 1.4MHz    | QPSK       | 20407   | 1RB#0            | 24.45       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20407   | 1RB#2            | 24.41       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20407   | 1RB#5            | 24.74       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20407   | 3RB#0            | 24.75       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20407   | 3RB#1            | 24.42       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20407   | 3RB#3            | 24.58       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20407   | 6RB#0            | 23.64       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 1RB#0            | 23.32       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 1RB#2            | 23.64       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 1RB#5            | 23.72       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 3RB#0            | 23.56       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 3RB#1            | 23.42       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 3RB#3            | 23.49       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 6RB#0            | 22.54       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 1RB#0            | 24.72       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 1RB#2            | 24.74       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 1RB#5            | 24.78       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 3RB#0            | 24.68       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 3RB#1            | 24.66       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 3RB#3            | 24.69       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 6RB#0            | 23.72       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20525   | 1RB#0            | 23.78       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20525   | 1RB#2            | 23.74       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20525   | 1RB#5            | 23.66       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20525   | 3RB#0            | 23.71       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20525   | 3RB#1            | 23.48       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20525   | 3RB#3            | 23.67       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20525   | 6RB#0            | 22.68       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 1RB#0            | 24.54       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 1RB#2            | 24.41       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 1RB#5            | 24.42       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 3RB#0            | 24.50       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 3RB#1            | 24.47       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 3RB#3            | 24.52       | PASS    |



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|       |        |       |       |        |       |      |
|-------|--------|-------|-------|--------|-------|------|
| Band5 | 1.4MHz | QPSK  | 20643 | 6RB#0  | 23.49 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 1RB#0  | 23.52 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 1RB#2  | 23.78 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 1RB#5  | 23.59 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 3RB#0  | 23.37 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 3RB#1  | 23.44 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 3RB#3  | 23.34 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 6RB#0  | 22.46 | PASS |
| Band5 | 3MHz   | QPSK  | 20415 | 1RB#0  | 24.03 | PASS |
| Band5 | 3MHz   | QPSK  | 20415 | 1RB#8  | 24.06 | PASS |
| Band5 | 3MHz   | QPSK  | 20415 | 1RB#14 | 24.20 | PASS |
| Band5 | 3MHz   | QPSK  | 20415 | 8RB#0  | 23.03 | PASS |
| Band5 | 3MHz   | QPSK  | 20415 | 8RB#4  | 23.01 | PASS |
| Band5 | 3MHz   | QPSK  | 20415 | 8RB#7  | 23.05 | PASS |
| Band5 | 3MHz   | QPSK  | 20415 | 15RB#0 | 23.02 | PASS |
| Band5 | 3MHz   | 16QAM | 20415 | 1RB#0  | 23.18 | PASS |
| Band5 | 3MHz   | 16QAM | 20415 | 1RB#8  | 23.15 | PASS |
| Band5 | 3MHz   | 16QAM | 20415 | 1RB#14 | 23.42 | PASS |
| Band5 | 3MHz   | 16QAM | 20415 | 8RB#0  | 22.21 | PASS |
| Band5 | 3MHz   | 16QAM | 20415 | 8RB#4  | 22.19 | PASS |
| Band5 | 3MHz   | 16QAM | 20415 | 8RB#7  | 21.96 | PASS |
| Band5 | 3MHz   | 16QAM | 20415 | 15RB#0 | 22.18 | PASS |
| Band5 | 3MHz   | QPSK  | 20525 | 1RB#0  | 24.38 | PASS |
| Band5 | 3MHz   | QPSK  | 20525 | 1RB#8  | 24.33 | PASS |
| Band5 | 3MHz   | QPSK  | 20525 | 1RB#14 | 24.50 | PASS |
| Band5 | 3MHz   | QPSK  | 20525 | 8RB#0  | 23.37 | PASS |
| Band5 | 3MHz   | QPSK  | 20525 | 8RB#4  | 23.28 | PASS |
| Band5 | 3MHz   | QPSK  | 20525 | 8RB#7  | 23.37 | PASS |
| Band5 | 3MHz   | QPSK  | 20525 | 15RB#0 | 23.34 | PASS |
| Band5 | 3MHz   | 16QAM | 20525 | 1RB#0  | 23.35 | PASS |
| Band5 | 3MHz   | 16QAM | 20525 | 1RB#8  | 23.33 | PASS |
| Band5 | 3MHz   | 16QAM | 20525 | 1RB#14 | 23.18 | PASS |
| Band5 | 3MHz   | 16QAM | 20525 | 8RB#0  | 22.52 | PASS |
| Band5 | 3MHz   | 16QAM | 20525 | 8RB#4  | 22.62 | PASS |
| Band5 | 3MHz   | 16QAM | 20525 | 8RB#7  | 22.41 | PASS |
| Band5 | 3MHz   | 16QAM | 20525 | 15RB#0 | 22.13 | PASS |
| Band5 | 3MHz   | QPSK  | 20635 | 1RB#0  | 24.50 | PASS |
| Band5 | 3MHz   | QPSK  | 20635 | 1RB#8  | 24.12 | PASS |
| Band5 | 3MHz   | QPSK  | 20635 | 1RB#14 | 24.43 | PASS |
| Band5 | 3MHz   | QPSK  | 20635 | 8RB#0  | 23.14 | PASS |



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|       |      |       |       |         |       |      |
|-------|------|-------|-------|---------|-------|------|
| Band5 | 3MHz | QPSK  | 20635 | 8RB#4   | 23.18 | PASS |
| Band5 | 3MHz | QPSK  | 20635 | 8RB#7   | 23.25 | PASS |
| Band5 | 3MHz | QPSK  | 20635 | 15RB#0  | 23.05 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 1RB#0   | 23.27 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 1RB#8   | 23.25 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 1RB#14  | 23.26 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 8RB#0   | 22.23 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 8RB#4   | 22.13 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 8RB#7   | 22.21 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 15RB#0  | 22.13 | PASS |
| Band5 | 5MHz | QPSK  | 20425 | 1RB#0   | 24.17 | PASS |
| Band5 | 5MHz | QPSK  | 20425 | 1RB#12  | 24.16 | PASS |
| Band5 | 5MHz | QPSK  | 20425 | 1RB#24  | 23.98 | PASS |
| Band5 | 5MHz | QPSK  | 20425 | 12RB#0  | 22.97 | PASS |
| Band5 | 5MHz | QPSK  | 20425 | 12RB#6  | 22.97 | PASS |
| Band5 | 5MHz | QPSK  | 20425 | 12RB#13 | 23.16 | PASS |
| Band5 | 5MHz | QPSK  | 20425 | 25RB#0  | 23.14 | PASS |
| Band5 | 5MHz | 16QAM | 20425 | 1RB#0   | 22.99 | PASS |
| Band5 | 5MHz | 16QAM | 20425 | 1RB#12  | 22.99 | PASS |
| Band5 | 5MHz | 16QAM | 20425 | 1RB#24  | 23.02 | PASS |
| Band5 | 5MHz | 16QAM | 20425 | 12RB#0  | 22.10 | PASS |
| Band5 | 5MHz | 16QAM | 20425 | 12RB#6  | 22.19 | PASS |
| Band5 | 5MHz | 16QAM | 20425 | 12RB#13 | 22.23 | PASS |
| Band5 | 5MHz | 16QAM | 20425 | 25RB#0  | 22.12 | PASS |
| Band5 | 5MHz | QPSK  | 20525 | 1RB#0   | 24.31 | PASS |
| Band5 | 5MHz | QPSK  | 20525 | 1RB#12  | 24.27 | PASS |
| Band5 | 5MHz | QPSK  | 20525 | 1RB#24  | 24.38 | PASS |
| Band5 | 5MHz | QPSK  | 20525 | 12RB#0  | 23.37 | PASS |
| Band5 | 5MHz | QPSK  | 20525 | 12RB#6  | 23.28 | PASS |
| Band5 | 5MHz | QPSK  | 20525 | 12RB#13 | 23.34 | PASS |
| Band5 | 5MHz | QPSK  | 20525 | 25RB#0  | 23.28 | PASS |
| Band5 | 5MHz | 16QAM | 20525 | 1RB#0   | 23.11 | PASS |
| Band5 | 5MHz | 16QAM | 20525 | 1RB#12  | 23.20 | PASS |
| Band5 | 5MHz | 16QAM | 20525 | 1RB#24  | 23.21 | PASS |
| Band5 | 5MHz | 16QAM | 20525 | 12RB#0  | 22.38 | PASS |
| Band5 | 5MHz | 16QAM | 20525 | 12RB#6  | 22.28 | PASS |
| Band5 | 5MHz | 16QAM | 20525 | 12RB#13 | 22.35 | PASS |
| Band5 | 5MHz | 16QAM | 20525 | 25RB#0  | 22.40 | PASS |
| Band5 | 5MHz | QPSK  | 20625 | 1RB#0   | 24.44 | PASS |
| Band5 | 5MHz | QPSK  | 20625 | 1RB#12  | 24.21 | PASS |



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|       |       |       |       |         |       |      |
|-------|-------|-------|-------|---------|-------|------|
| Band5 | 5MHz  | QPSK  | 20625 | 1RB#24  | 24.20 | PASS |
| Band5 | 5MHz  | QPSK  | 20625 | 12RB#0  | 23.27 | PASS |
| Band5 | 5MHz  | QPSK  | 20625 | 12RB#6  | 23.12 | PASS |
| Band5 | 5MHz  | QPSK  | 20625 | 12RB#13 | 23.21 | PASS |
| Band5 | 5MHz  | QPSK  | 20625 | 25RB#0  | 23.12 | PASS |
| Band5 | 5MHz  | 16QAM | 20625 | 1RB#0   | 23.17 | PASS |
| Band5 | 5MHz  | 16QAM | 20625 | 1RB#12  | 23.16 | PASS |
| Band5 | 5MHz  | 16QAM | 20625 | 1RB#24  | 23.22 | PASS |
| Band5 | 5MHz  | 16QAM | 20625 | 12RB#0  | 22.19 | PASS |
| Band5 | 5MHz  | 16QAM | 20625 | 12RB#6  | 22.20 | PASS |
| Band5 | 5MHz  | 16QAM | 20625 | 12RB#13 | 22.09 | PASS |
| Band5 | 5MHz  | 16QAM | 20625 | 25RB#0  | 22.30 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 1RB#0   | 24.09 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 1RB#24  | 23.98 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 1RB#49  | 24.14 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 25RB#0  | 23.22 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 25RB#12 | 23.23 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 25RB#25 | 23.23 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 50RB#0  | 23.29 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 1RB#0   | 23.18 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 1RB#24  | 23.00 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 1RB#49  | 23.23 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 25RB#0  | 22.25 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 25RB#12 | 22.26 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 25RB#25 | 22.37 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 1RB#0   | 24.54 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 1RB#24  | 24.09 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 1RB#49  | 24.59 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 25RB#0  | 23.26 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 25RB#12 | 23.28 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 25RB#25 | 23.41 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 50RB#0  | 23.48 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 1RB#0   | 22.98 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 1RB#24  | 22.98 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 1RB#49  | 23.48 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 25RB#0  | 22.41 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 25RB#12 | 22.51 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 25RB#25 | 22.65 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 1RB#0   | 24.35 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 1RB#24  | 24.31 | PASS |



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No.:GRCTR250502011-03

|       |       |       |       |         |       |      |
|-------|-------|-------|-------|---------|-------|------|
| Band5 | 10MHz | QPSK  | 20600 | 1RB#49  | 24.33 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 25RB#0  | 23.29 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 25RB#12 | 23.15 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 25RB#25 | 23.17 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 50RB#0  | 23.28 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 1RB#0   | 23.42 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 1RB#24  | 23.21 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 1RB#49  | 23.22 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 25RB#0  | 22.30 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 25RB#12 | 22.32 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 25RB#25 | 22.33 | PASS |



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No.:GRCTR250502011-03

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

### Test Result

| Band  | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|-------|-----------|------------|---------|------------------|------------|-----------|---------|
| Band5 | 1.4MHz    | QPSK       | 20407   | 1RB#0            | 4.19       | 13        | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20407   | 6RB#0            | 4.80       | 13        | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 1RB#0            | 5.12       | 13        | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 6RB#0            | 5.66       | 13        | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 1RB#0            | 4.44       | 13        | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 6RB#0            | 5.01       | 13        | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20525   | 1RB#0            | 5.49       | 13        | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20525   | 6RB#0            | 5.85       | 13        | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 1RB#0            | 4.36       | 13        | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 6RB#0            | 4.99       | 13        | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20643   | 1RB#0            | 5.43       | 13        | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20643   | 6RB#0            | 5.86       | 13        | PASS    |
| Band5 | 3MHz      | QPSK       | 20415   | 1RB#0            | 4.20       | 13        | PASS    |
| Band5 | 3MHz      | QPSK       | 20415   | 15RB#0           | 4.91       | 13        | PASS    |
| Band5 | 3MHz      | 16QAM      | 20415   | 1RB#0            | 5.16       | 13        | PASS    |
| Band5 | 3MHz      | 16QAM      | 20415   | 15RB#0           | 5.75       | 13        | PASS    |
| Band5 | 3MHz      | QPSK       | 20525   | 1RB#0            | 4.55       | 13        | PASS    |
| Band5 | 3MHz      | QPSK       | 20525   | 15RB#0           | 5.15       | 13        | PASS    |
| Band5 | 3MHz      | 16QAM      | 20525   | 1RB#0            | 5.41       | 13        | PASS    |
| Band5 | 3MHz      | 16QAM      | 20525   | 15RB#0           | 5.96       | 13        | PASS    |
| Band5 | 3MHz      | QPSK       | 20635   | 1RB#0            | 4.45       | 13        | PASS    |
| Band5 | 3MHz      | QPSK       | 20635   | 15RB#0           | 5.16       | 13        | PASS    |
| Band5 | 3MHz      | 16QAM      | 20635   | 1RB#0            | 5.35       | 13        | PASS    |
| Band5 | 3MHz      | 16QAM      | 20635   | 15RB#0           | 5.93       | 13        | PASS    |
| Band5 | 5MHz      | QPSK       | 20425   | 1RB#0            | 4.13       | 13        | PASS    |
| Band5 | 5MHz      | QPSK       | 20425   | 25RB#0           | 4.87       | 13        | PASS    |
| Band5 | 5MHz      | 16QAM      | 20425   | 1RB#0            | 5.14       | 13        | PASS    |
| Band5 | 5MHz      | 16QAM      | 20425   | 25RB#0           | 5.64       | 13        | PASS    |
| Band5 | 5MHz      | QPSK       | 20525   | 1RB#0            | 4.44       | 13        | PASS    |
| Band5 | 5MHz      | QPSK       | 20525   | 25RB#0           | 5.13       | 13        | PASS    |
| Band5 | 5MHz      | 16QAM      | 20525   | 1RB#0            | 5.29       | 13        | PASS    |
| Band5 | 5MHz      | 16QAM      | 20525   | 25RB#0           | 5.90       | 13        | PASS    |
| Band5 | 5MHz      | QPSK       | 20625   | 1RB#0            | 4.28       | 13        | PASS    |
| Band5 | 5MHz      | QPSK       | 20625   | 25RB#0           | 5.14       | 13        | PASS    |



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No.:GRCTR250502011-03

|       |       |       |       |        |      |    |      |
|-------|-------|-------|-------|--------|------|----|------|
| Band5 | 5MHz  | 16QAM | 20625 | 1RB#0  | 5.24 | 13 | PASS |
| Band5 | 5MHz  | 16QAM | 20625 | 25RB#0 | 5.89 | 13 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 1RB#0  | 4.04 | 13 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 50RB#0 | 4.84 | 13 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 1RB#0  | 5.05 | 13 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 1RB#0  | 4.18 | 13 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 50RB#0 | 5.09 | 13 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 1RB#0  | 5.20 | 13 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 1RB#0  | 4.28 | 13 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 50RB#0 | 5.04 | 13 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 1RB#0  | 5.16 | 13 | PASS |

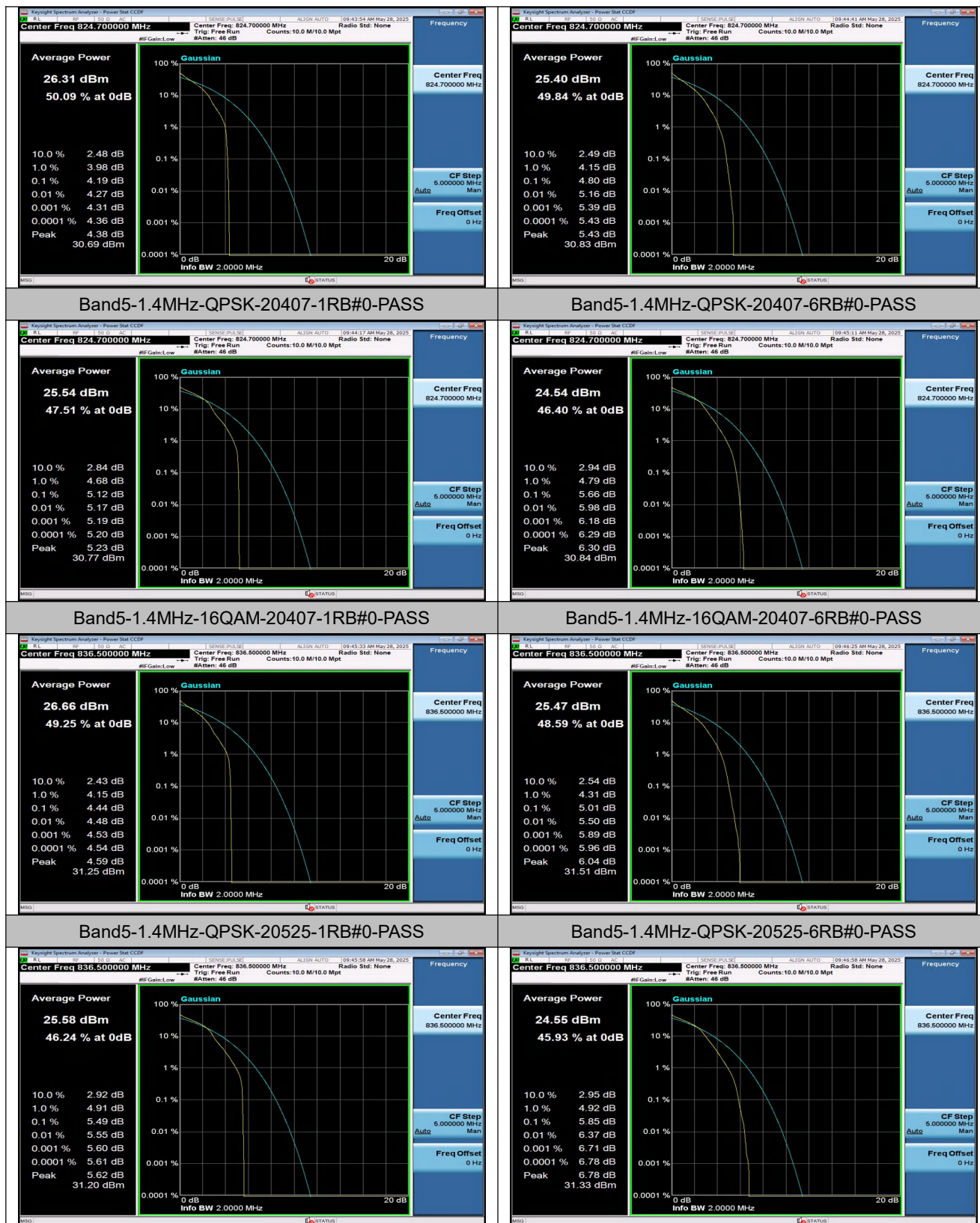


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## Test Graphs





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No.:GRCTR250502011-03

Band5-1.4MHz-16QAM-20525-1RB#0-PASS



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



Band5-1.4MHz-QPSK-20643-1RB#0-PASS



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



Band5-1.4MHz-16QAM-20643-1RB#0-PASS



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



Band5-3MHz-QPSK-20415-1RB#0-PASS



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



Band5-3MHz-16QAM-20415-1RB#0-PASS

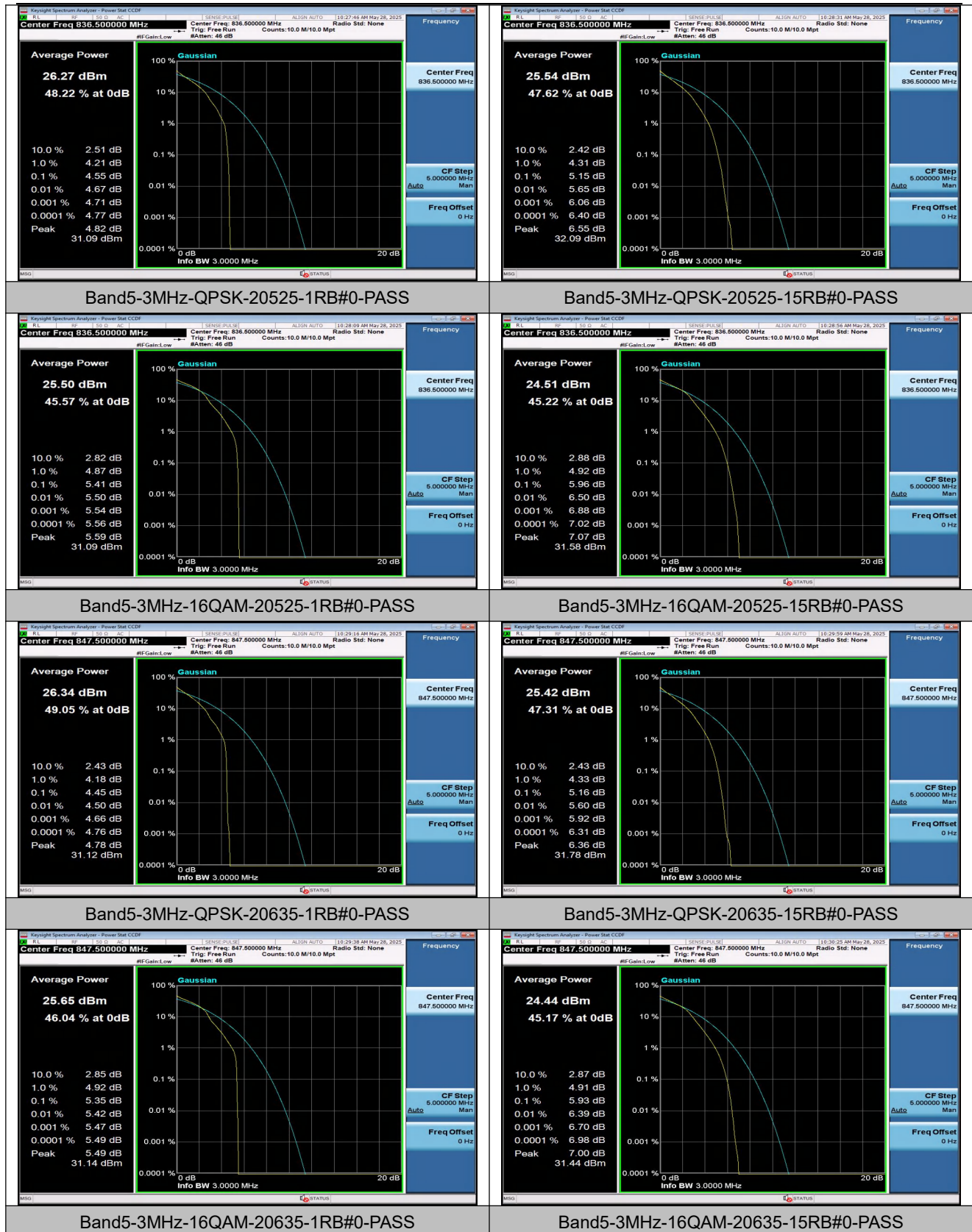
Band5-3MHz-16QAM-20415-15RB#0-PASS



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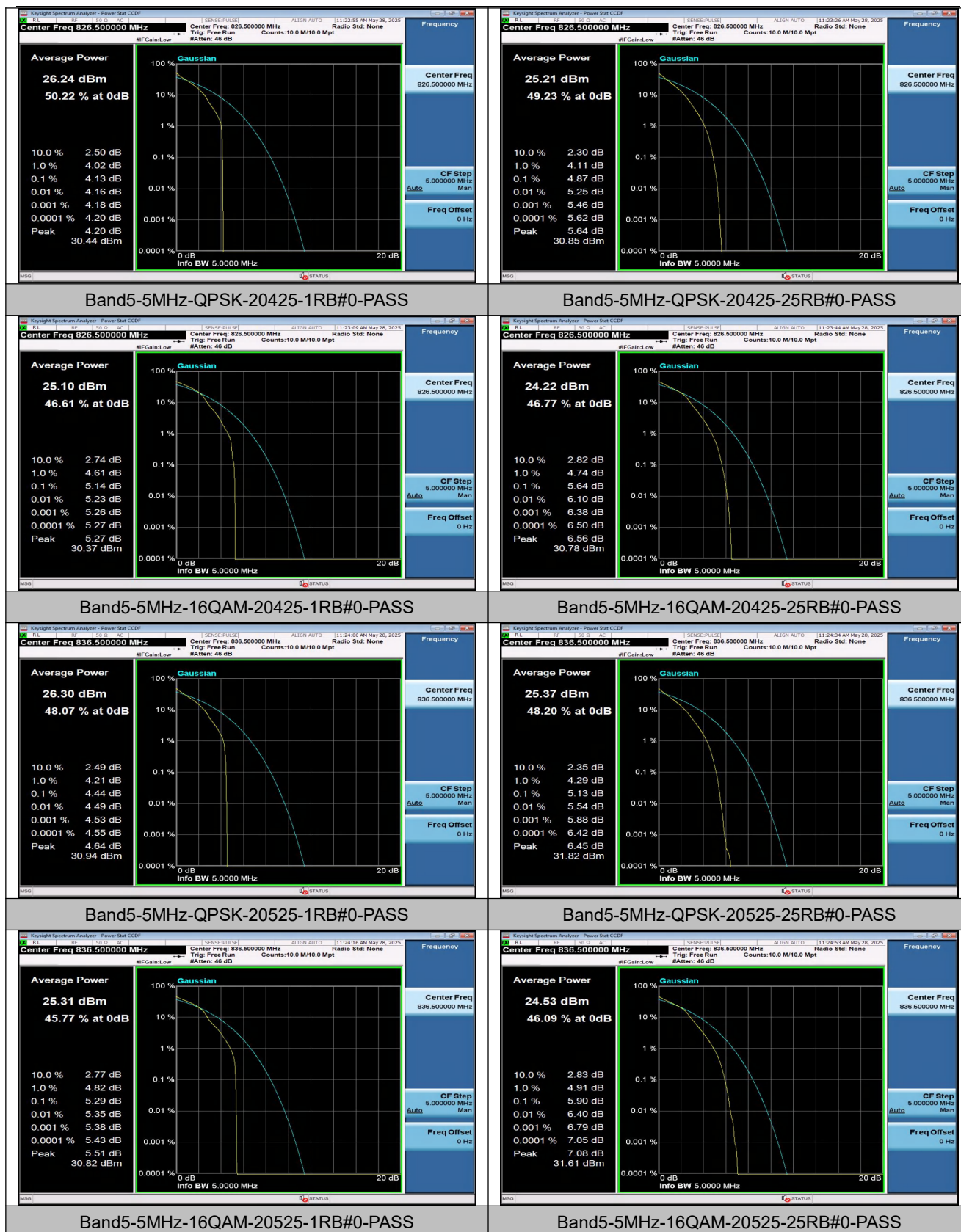




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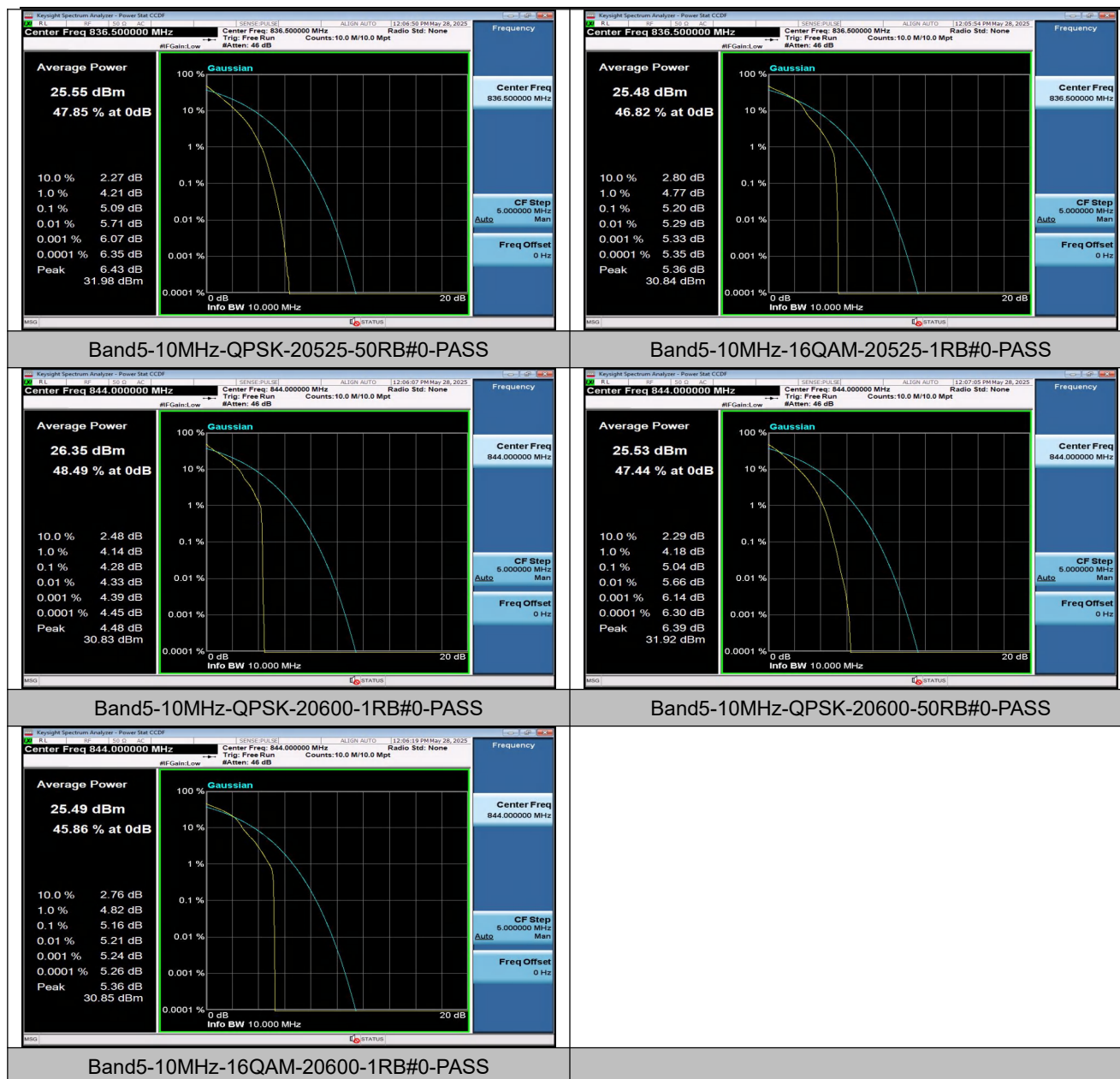




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No.:GRCTR250502011-03

## Appendix C: 26dB Bandwidth and Occupied Bandwidth

### Test Result

| Band  | Bandwidth | Modulation | Channel | RB Configuration | Occupied<br>Bandwidth<br>(MHz) | 26dB Bandwidth<br>(MHz) | Verdict |
|-------|-----------|------------|---------|------------------|--------------------------------|-------------------------|---------|
| Band5 | 1.4MHz    | QPSK       | 20407   | 6RB#0            | 1.0967                         | 1.317                   | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 6RB#0            | 1.0914                         | 1.273                   | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 6RB#0            | 1.0952                         | 1.297                   | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20525   | 6RB#0            | 1.0991                         | 1.283                   | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 6RB#0            | 1.0950                         | 1.295                   | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20643   | 6RB#0            | 1.0888                         | 1.267                   | PASS    |
| Band5 | 3MHz      | QPSK       | 20415   | 15RB#0           | 2.7079                         | 2.985                   | PASS    |
| Band5 | 3MHz      | 16QAM      | 20415   | 15RB#0           | 2.6881                         | 2.981                   | PASS    |
| Band5 | 3MHz      | QPSK       | 20525   | 15RB#0           | 2.6925                         | 2.971                   | PASS    |
| Band5 | 3MHz      | 16QAM      | 20525   | 15RB#0           | 2.6963                         | 2.969                   | PASS    |
| Band5 | 3MHz      | QPSK       | 20635   | 15RB#0           | 2.7070                         | 2.963                   | PASS    |
| Band5 | 3MHz      | 16QAM      | 20635   | 15RB#0           | 2.6939                         | 2.949                   | PASS    |
| Band5 | 5MHz      | QPSK       | 20425   | 25RB#0           | 4.5068                         | 5.007                   | PASS    |
| Band5 | 5MHz      | 16QAM      | 20425   | 25RB#0           | 4.5013                         | 4.977                   | PASS    |
| Band5 | 5MHz      | QPSK       | 20525   | 25RB#0           | 4.5012                         | 4.962                   | PASS    |
| Band5 | 5MHz      | 16QAM      | 20525   | 25RB#0           | 4.5125                         | 5.012                   | PASS    |
| Band5 | 5MHz      | QPSK       | 20625   | 25RB#0           | 4.5031                         | 5.002                   | PASS    |
| Band5 | 5MHz      | 16QAM      | 20625   | 25RB#0           | 4.5152                         | 5.011                   | PASS    |
| Band5 | 10MHz     | QPSK       | 20450   | 50RB#0           | 8.9747                         | 9.900                   | PASS    |
| Band5 | 10MHz     | 16QAM      | 20450   | 27RB#0           | 4.9683                         | 5.788                   | PASS    |
| Band5 | 10MHz     | QPSK       | 20525   | 50RB#0           | 8.9964                         | 9.908                   | PASS    |
| Band5 | 10MHz     | 16QAM      | 20525   | 27RB#0           | 5.0045                         | 5.864                   | PASS    |
| Band5 | 10MHz     | QPSK       | 20600   | 50RB#0           | 8.9450                         | 9.838                   | PASS    |
| Band5 | 10MHz     | 16QAM      | 20600   | 27RB#0           | 4.9602                         | 5.853                   | PASS    |

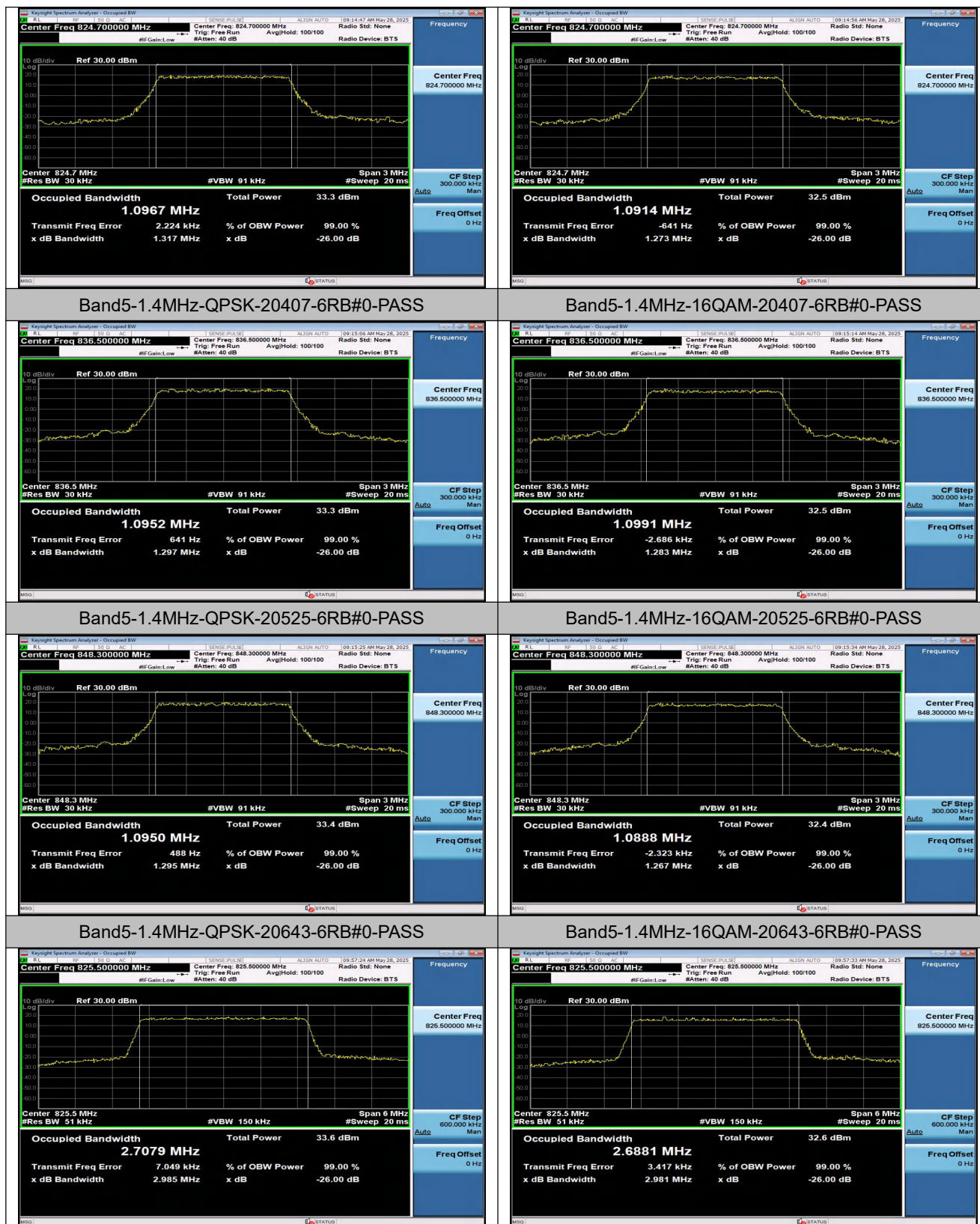


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## Test Graphs



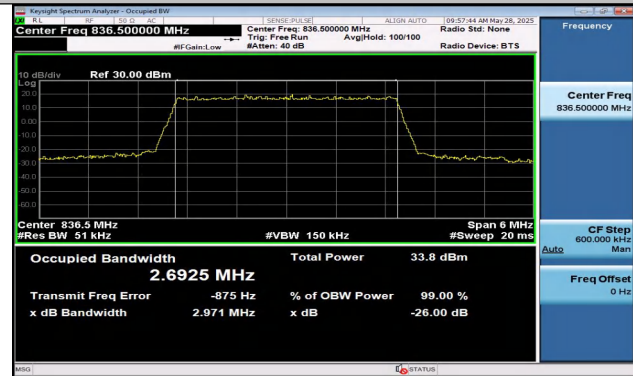


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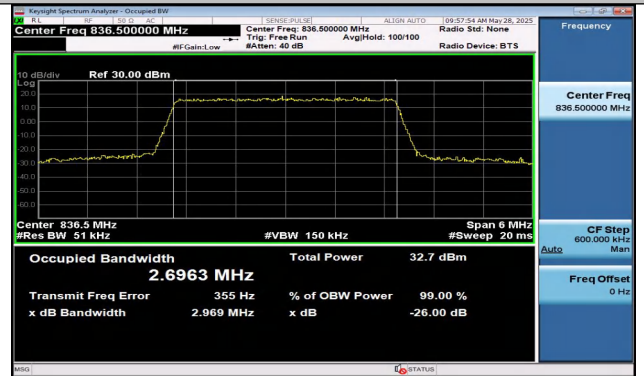
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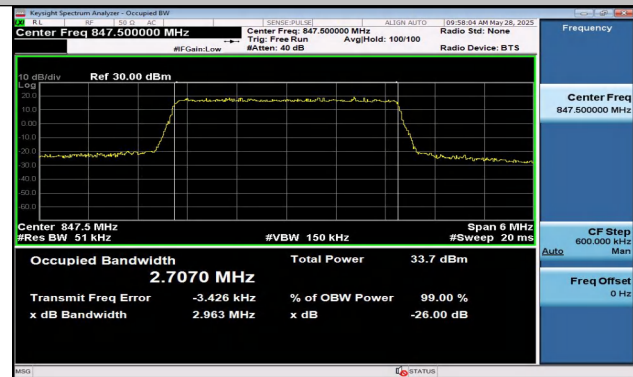
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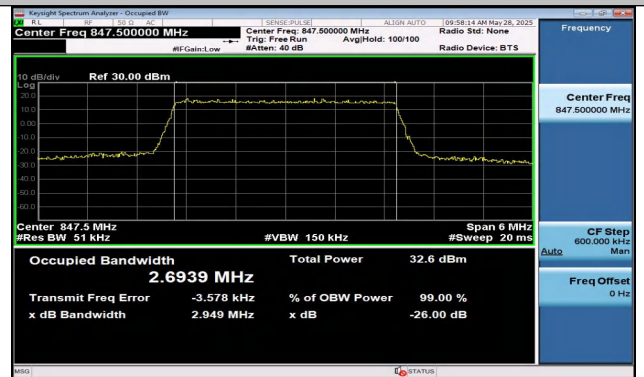
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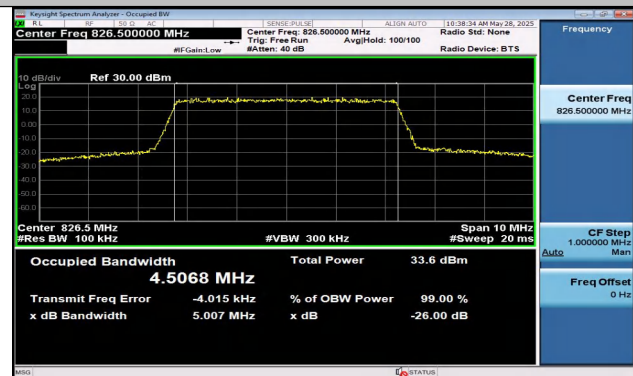
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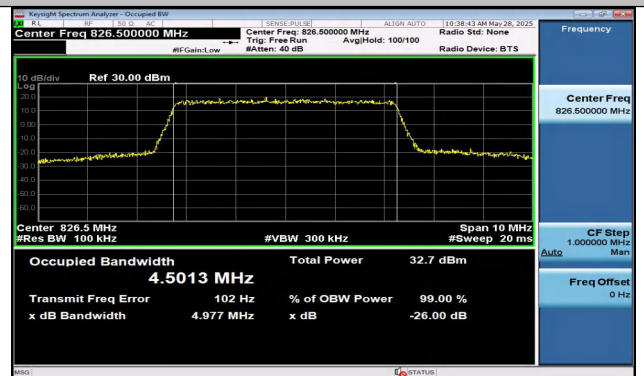
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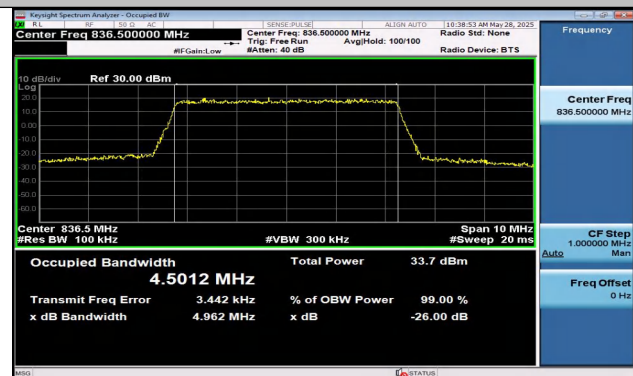
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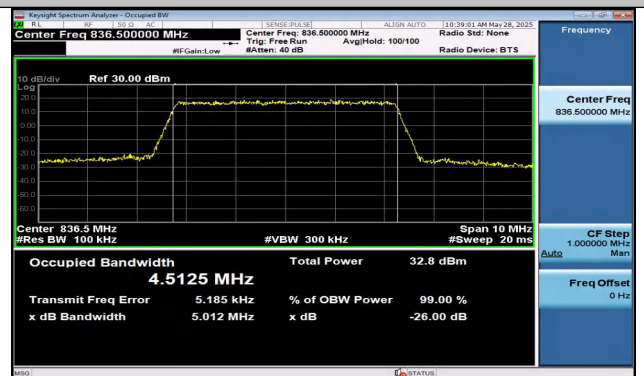
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Band5-5MHz-QPSK-20425-25RB#0-PASS



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



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



Band5-5MHz-16QAM-20525-25RB#0-PASS

