



**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.:GRCTR250502026-02

**Pet locator**

**M/N:HW-PET10**

**FCC ID:2AQSK-HW-PET10**

**Applicant:HuiZhou BoShiJie Technology CO.,Ltd**

**Appendix for LTE Band 4**



Shenzhen GUOREN Certification Technology Service Co., Ltd.

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No.:GRCTR250502026-02

## Appendix A: Conducted Power Output Data

### Test Result

| Band  | Bandwidth | Modulation | Channel | RB Configuration | Result(dBm) | Verdict |
|-------|-----------|------------|---------|------------------|-------------|---------|
| Band4 | 1.4MHz    | QPSK       | 19957   | 1RB#0            | 24.12       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 19957   | 1RB#2            | 23.82       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 19957   | 1RB#5            | 23.69       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 19957   | 3RB#0            | 23.79       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 19957   | 3RB#1            | 23.68       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 19957   | 3RB#3            | 23.55       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 19957   | 6RB#0            | 22.76       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 19957   | 1RB#0            | 23.05       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 19957   | 1RB#2            | 22.98       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 19957   | 1RB#5            | 22.83       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 19957   | 3RB#0            | 22.71       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 19957   | 3RB#1            | 22.64       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 19957   | 3RB#3            | 22.53       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 19957   | 6RB#0            | 21.79       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20175   | 1RB#0            | 23.62       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20175   | 1RB#2            | 23.32       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20175   | 1RB#5            | 23.35       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20175   | 3RB#0            | 23.16       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20175   | 3RB#1            | 23.14       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20175   | 3RB#3            | 23.20       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20175   | 6RB#0            | 22.38       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20175   | 1RB#0            | 22.37       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20175   | 1RB#2            | 22.22       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20175   | 1RB#5            | 22.25       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20175   | 3RB#0            | 21.99       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20175   | 3RB#1            | 21.96       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20175   | 3RB#3            | 22.15       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20175   | 6RB#0            | 21.15       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20393   | 1RB#0            | 23.25       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20393   | 1RB#2            | 23.06       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20393   | 1RB#5            | 22.94       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20393   | 3RB#0            | 22.90       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20393   | 3RB#1            | 22.89       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20393   | 3RB#3            | 22.88       | PASS    |



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|       |        |       |       |        |       |      |
|-------|--------|-------|-------|--------|-------|------|
| Band4 | 1.4MHz | QPSK  | 20393 | 6RB#0  | 21.99 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 1RB#0  | 22.10 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 1RB#2  | 22.01 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 1RB#5  | 21.90 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 3RB#0  | 21.90 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 3RB#1  | 21.88 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 3RB#3  | 21.87 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 6RB#0  | 21.00 | PASS |
| Band4 | 3MHz   | QPSK  | 19965 | 1RB#0  | 23.40 | PASS |
| Band4 | 3MHz   | QPSK  | 19965 | 1RB#8  | 23.12 | PASS |
| Band4 | 3MHz   | QPSK  | 19965 | 1RB#14 | 22.87 | PASS |
| Band4 | 3MHz   | QPSK  | 19965 | 8RB#0  | 22.41 | PASS |
| Band4 | 3MHz   | QPSK  | 19965 | 8RB#4  | 22.45 | PASS |
| Band4 | 3MHz   | QPSK  | 19965 | 8RB#7  | 22.32 | PASS |
| Band4 | 3MHz   | QPSK  | 19965 | 15RB#0 | 22.37 | PASS |
| Band4 | 3MHz   | 16QAM | 19965 | 1RB#0  | 22.52 | PASS |
| Band4 | 3MHz   | 16QAM | 19965 | 1RB#8  | 22.37 | PASS |
| Band4 | 3MHz   | 16QAM | 19965 | 1RB#14 | 22.19 | PASS |
| Band4 | 3MHz   | 16QAM | 19965 | 8RB#0  | 21.60 | PASS |
| Band4 | 3MHz   | 16QAM | 19965 | 8RB#4  | 21.63 | PASS |
| Band4 | 3MHz   | 16QAM | 19965 | 8RB#7  | 21.49 | PASS |
| Band4 | 3MHz   | 16QAM | 19965 | 15RB#0 | 21.44 | PASS |
| Band4 | 3MHz   | QPSK  | 20175 | 1RB#0  | 23.12 | PASS |
| Band4 | 3MHz   | QPSK  | 20175 | 1RB#8  | 22.71 | PASS |
| Band4 | 3MHz   | QPSK  | 20175 | 1RB#14 | 23.00 | PASS |
| Band4 | 3MHz   | QPSK  | 20175 | 8RB#0  | 21.99 | PASS |
| Band4 | 3MHz   | QPSK  | 20175 | 8RB#4  | 22.05 | PASS |
| Band4 | 3MHz   | QPSK  | 20175 | 8RB#7  | 22.20 | PASS |
| Band4 | 3MHz   | QPSK  | 20175 | 15RB#0 | 22.16 | PASS |
| Band4 | 3MHz   | 16QAM | 20175 | 1RB#0  | 21.74 | PASS |
| Band4 | 3MHz   | 16QAM | 20175 | 1RB#8  | 21.73 | PASS |
| Band4 | 3MHz   | 16QAM | 20175 | 1RB#14 | 21.97 | PASS |
| Band4 | 3MHz   | 16QAM | 20175 | 8RB#0  | 20.94 | PASS |
| Band4 | 3MHz   | 16QAM | 20175 | 8RB#4  | 20.95 | PASS |
| Band4 | 3MHz   | 16QAM | 20175 | 8RB#7  | 21.12 | PASS |
| Band4 | 3MHz   | 16QAM | 20175 | 15RB#0 | 21.08 | PASS |
| Band4 | 3MHz   | QPSK  | 20385 | 1RB#0  | 23.17 | PASS |
| Band4 | 3MHz   | QPSK  | 20385 | 1RB#8  | 22.74 | PASS |
| Band4 | 3MHz   | QPSK  | 20385 | 1RB#14 | 22.48 | PASS |
| Band4 | 3MHz   | QPSK  | 20385 | 8RB#0  | 21.89 | PASS |



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|       |      |       |       |         |       |      |
|-------|------|-------|-------|---------|-------|------|
| Band4 | 3MHz | QPSK  | 20385 | 8RB#4   | 21.85 | PASS |
| Band4 | 3MHz | QPSK  | 20385 | 8RB#7   | 21.76 | PASS |
| Band4 | 3MHz | QPSK  | 20385 | 15RB#0  | 21.81 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 1RB#0   | 21.81 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 1RB#8   | 21.70 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 1RB#14  | 21.55 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 8RB#0   | 20.92 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 8RB#4   | 20.85 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 8RB#7   | 20.75 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 15RB#0  | 20.73 | PASS |
| Band4 | 5MHz | QPSK  | 19975 | 1RB#0   | 24.24 | PASS |
| Band4 | 5MHz | QPSK  | 19975 | 1RB#12  | 24.19 | PASS |
| Band4 | 5MHz | QPSK  | 19975 | 1RB#24  | 23.66 | PASS |
| Band4 | 5MHz | QPSK  | 19975 | 12RB#0  | 23.03 | PASS |
| Band4 | 5MHz | QPSK  | 19975 | 12RB#6  | 23.09 | PASS |
| Band4 | 5MHz | QPSK  | 19975 | 12RB#13 | 22.88 | PASS |
| Band4 | 5MHz | QPSK  | 19975 | 25RB#0  | 23.03 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 1RB#0   | 23.12 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 1RB#12  | 22.98 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 1RB#24  | 22.50 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 12RB#0  | 22.17 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 12RB#6  | 22.20 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 12RB#13 | 22.00 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 25RB#0  | 22.02 | PASS |
| Band4 | 5MHz | QPSK  | 20175 | 1RB#0   | 23.89 | PASS |
| Band4 | 5MHz | QPSK  | 20175 | 1RB#12  | 23.54 | PASS |
| Band4 | 5MHz | QPSK  | 20175 | 1RB#24  | 23.93 | PASS |
| Band4 | 5MHz | QPSK  | 20175 | 12RB#0  | 22.47 | PASS |
| Band4 | 5MHz | QPSK  | 20175 | 12RB#6  | 22.56 | PASS |
| Band4 | 5MHz | QPSK  | 20175 | 12RB#13 | 22.84 | PASS |
| Band4 | 5MHz | QPSK  | 20175 | 25RB#0  | 22.78 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 1RB#0   | 22.90 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 1RB#12  | 22.74 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 1RB#24  | 23.19 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 12RB#0  | 21.50 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 12RB#6  | 21.54 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 12RB#13 | 21.83 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 25RB#0  | 21.62 | PASS |
| Band4 | 5MHz | QPSK  | 20375 | 1RB#0   | 24.24 | PASS |
| Band4 | 5MHz | QPSK  | 20375 | 1RB#12  | 24.03 | PASS |



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|       |       |       |       |         |       |      |
|-------|-------|-------|-------|---------|-------|------|
| Band4 | 5MHz  | QPSK  | 20375 | 1RB#24  | 23.54 | PASS |
| Band4 | 5MHz  | QPSK  | 20375 | 12RB#0  | 22.73 | PASS |
| Band4 | 5MHz  | QPSK  | 20375 | 12RB#6  | 22.85 | PASS |
| Band4 | 5MHz  | QPSK  | 20375 | 12RB#13 | 22.62 | PASS |
| Band4 | 5MHz  | QPSK  | 20375 | 25RB#0  | 22.76 | PASS |
| Band4 | 5MHz  | 16QAM | 20375 | 1RB#0   | 23.10 | PASS |
| Band4 | 5MHz  | 16QAM | 20375 | 1RB#12  | 22.98 | PASS |
| Band4 | 5MHz  | 16QAM | 20375 | 1RB#24  | 22.49 | PASS |
| Band4 | 5MHz  | 16QAM | 20375 | 12RB#0  | 21.76 | PASS |
| Band4 | 5MHz  | 16QAM | 20375 | 12RB#6  | 21.81 | PASS |
| Band4 | 5MHz  | 16QAM | 20375 | 12RB#13 | 21.58 | PASS |
| Band4 | 5MHz  | 16QAM | 20375 | 25RB#0  | 21.75 | PASS |
| Band4 | 10MHz | QPSK  | 20000 | 1RB#0   | 24.47 | PASS |
| Band4 | 10MHz | QPSK  | 20000 | 1RB#24  | 24.21 | PASS |
| Band4 | 10MHz | QPSK  | 20000 | 1RB#49  | 23.12 | PASS |
| Band4 | 10MHz | QPSK  | 20000 | 25RB#0  | 22.96 | PASS |
| Band4 | 10MHz | QPSK  | 20000 | 25RB#12 | 23.07 | PASS |
| Band4 | 10MHz | QPSK  | 20000 | 25RB#25 | 22.55 | PASS |
| Band4 | 10MHz | QPSK  | 20000 | 50RB#0  | 23.13 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 1RB#0   | 23.55 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 1RB#24  | 23.40 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 1RB#49  | 22.39 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 25RB#0  | 21.99 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 25RB#12 | 22.06 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 25RB#25 | 21.54 | PASS |
| Band4 | 10MHz | QPSK  | 20175 | 1RB#0   | 23.65 | PASS |
| Band4 | 10MHz | QPSK  | 20175 | 1RB#24  | 23.22 | PASS |
| Band4 | 10MHz | QPSK  | 20175 | 1RB#49  | 24.08 | PASS |
| Band4 | 10MHz | QPSK  | 20175 | 25RB#0  | 22.30 | PASS |
| Band4 | 10MHz | QPSK  | 20175 | 25RB#12 | 22.36 | PASS |
| Band4 | 10MHz | QPSK  | 20175 | 25RB#25 | 22.91 | PASS |
| Band4 | 10MHz | QPSK  | 20175 | 50RB#0  | 22.98 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 1RB#0   | 22.25 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 1RB#24  | 22.08 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 1RB#49  | 23.08 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 25RB#0  | 21.21 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 25RB#12 | 21.23 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 25RB#25 | 21.79 | PASS |
| Band4 | 10MHz | QPSK  | 20350 | 1RB#0   | 24.68 | PASS |
| Band4 | 10MHz | QPSK  | 20350 | 1RB#24  | 24.45 | PASS |

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|       |       |       |       |         |       |      |
|-------|-------|-------|-------|---------|-------|------|
| Band4 | 10MHz | QPSK  | 20350 | 1RB#49  | 23.49 | PASS |
| Band4 | 10MHz | QPSK  | 20350 | 25RB#0  | 23.06 | PASS |
| Band4 | 10MHz | QPSK  | 20350 | 25RB#12 | 23.20 | PASS |
| Band4 | 10MHz | QPSK  | 20350 | 25RB#25 | 22.71 | PASS |
| Band4 | 10MHz | QPSK  | 20350 | 50RB#0  | 23.24 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 1RB#0   | 23.47 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 1RB#24  | 23.38 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 1RB#49  | 22.38 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 25RB#0  | 22.13 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 25RB#12 | 22.19 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 25RB#25 | 21.68 | PASS |
| Band4 | 15MHz | QPSK  | 20025 | 1RB#0   | 24.25 | PASS |
| Band4 | 15MHz | QPSK  | 20025 | 1RB#38  | 24.11 | PASS |
| Band4 | 15MHz | QPSK  | 20025 | 1RB#74  | 22.62 | PASS |
| Band4 | 15MHz | QPSK  | 20025 | 38RB#0  | 22.43 | PASS |
| Band4 | 15MHz | QPSK  | 20025 | 38RB#18 | 22.41 | PASS |
| Band4 | 15MHz | QPSK  | 20025 | 38RB#37 | 22.40 | PASS |
| Band4 | 15MHz | QPSK  | 20025 | 75RB#0  | 22.76 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 1RB#0   | 23.48 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 1RB#38  | 23.31 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 1RB#74  | 21.90 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 38RB#0  | 22.42 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 38RB#18 | 22.41 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 38RB#37 | 22.40 | PASS |
| Band4 | 15MHz | QPSK  | 20175 | 1RB#0   | 23.33 | PASS |
| Band4 | 15MHz | QPSK  | 20175 | 1RB#38  | 22.95 | PASS |
| Band4 | 15MHz | QPSK  | 20175 | 1RB#74  | 24.11 | PASS |
| Band4 | 15MHz | QPSK  | 20175 | 38RB#0  | 22.67 | PASS |
| Band4 | 15MHz | QPSK  | 20175 | 38RB#18 | 22.62 | PASS |
| Band4 | 15MHz | QPSK  | 20175 | 38RB#37 | 22.73 | PASS |
| Band4 | 15MHz | QPSK  | 20175 | 75RB#0  | 22.93 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 1RB#0   | 22.10 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 1RB#38  | 21.98 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 1RB#74  | 23.17 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 38RB#0  | 22.65 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 38RB#18 | 22.61 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 38RB#37 | 22.70 | PASS |
| Band4 | 15MHz | QPSK  | 20325 | 1RB#0   | 24.72 | PASS |
| Band4 | 15MHz | QPSK  | 20325 | 1RB#38  | 24.45 | PASS |
| Band4 | 15MHz | QPSK  | 20325 | 1RB#74  | 23.22 | PASS |



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|       |       |       |       |         |       |      |
|-------|-------|-------|-------|---------|-------|------|
| Band4 | 15MHz | QPSK  | 20325 | 38RB#0  | 23.04 | PASS |
| Band4 | 15MHz | QPSK  | 20325 | 38RB#18 | 23.05 | PASS |
| Band4 | 15MHz | QPSK  | 20325 | 38RB#37 | 23.06 | PASS |
| Band4 | 15MHz | QPSK  | 20325 | 75RB#0  | 23.41 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 1RB#0   | 23.48 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 1RB#38  | 23.43 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 1RB#74  | 22.18 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 38RB#0  | 23.06 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 38RB#18 | 23.05 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 38RB#37 | 23.07 | PASS |
| Band4 | 20MHz | QPSK  | 20050 | 1RB#0   | 24.56 | PASS |
| Band4 | 20MHz | QPSK  | 20050 | 1RB#49  | 24.38 | PASS |
| Band4 | 20MHz | QPSK  | 20050 | 1RB#99  | 23.02 | PASS |
| Band4 | 20MHz | QPSK  | 20050 | 50RB#0  | 22.98 | PASS |
| Band4 | 20MHz | QPSK  | 20050 | 50RB#25 | 22.82 | PASS |
| Band4 | 20MHz | QPSK  | 20050 | 50RB#50 | 22.01 | PASS |
| Band4 | 20MHz | QPSK  | 20050 | 100RB#0 | 22.35 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 1RB#0   | 23.56 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 1RB#49  | 23.36 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 1RB#99  | 22.00 | PASS |
| Band4 | 20MHz | QPSK  | 20175 | 1RB#0   | 23.55 | PASS |
| Band4 | 20MHz | QPSK  | 20175 | 1RB#49  | 23.26 | PASS |
| Band4 | 20MHz | QPSK  | 20175 | 1RB#99  | 24.25 | PASS |
| Band4 | 20MHz | QPSK  | 20175 | 50RB#0  | 22.51 | PASS |
| Band4 | 20MHz | QPSK  | 20175 | 50RB#25 | 22.42 | PASS |
| Band4 | 20MHz | QPSK  | 20175 | 50RB#50 | 23.14 | PASS |
| Band4 | 20MHz | QPSK  | 20175 | 100RB#0 | 22.82 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 1RB#0   | 22.78 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 1RB#49  | 22.64 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 1RB#99  | 23.85 | PASS |
| Band4 | 20MHz | QPSK  | 20300 | 1RB#0   | 24.53 | PASS |
| Band4 | 20MHz | QPSK  | 20300 | 1RB#49  | 24.28 | PASS |
| Band4 | 20MHz | QPSK  | 20300 | 1RB#99  | 23.22 | PASS |
| Band4 | 20MHz | QPSK  | 20300 | 50RB#0  | 23.70 | PASS |
| Band4 | 20MHz | QPSK  | 20300 | 50RB#25 | 23.66 | PASS |
| Band4 | 20MHz | QPSK  | 20300 | 50RB#50 | 23.05 | PASS |
| Band4 | 20MHz | QPSK  | 20300 | 100RB#0 | 23.31 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 1RB#0   | 23.62 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 1RB#49  | 23.49 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 1RB#99  | 22.48 | PASS |



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

### Test Result

| Band  | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|-------|-----------|------------|---------|------------------|------------|-----------|---------|
| Band4 | 1.4MHz    | QPSK       | 19957   | 1RB#0            | 4.90       | 13        | PASS    |
| Band4 | 1.4MHz    | QPSK       | 19957   | 6RB#0            | 5.61       | 13        | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 19957   | 1RB#0            | 5.86       | 13        | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 19957   | 6RB#0            | 6.38       | 13        | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20175   | 1RB#0            | 5.90       | 13        | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20175   | 6RB#0            | 6.03       | 13        | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20175   | 1RB#0            | 6.82       | 13        | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20175   | 6RB#0            | 6.63       | 13        | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20393   | 1RB#0            | 5.90       | 13        | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20393   | 6RB#0            | 5.83       | 13        | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20393   | 1RB#0            | 6.37       | 13        | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20393   | 6RB#0            | 6.66       | 13        | PASS    |
| Band4 | 3MHz      | QPSK       | 19965   | 1RB#0            | 4.88       | 13        | PASS    |
| Band4 | 3MHz      | QPSK       | 19965   | 15RB#0           | 5.62       | 13        | PASS    |
| Band4 | 3MHz      | 16QAM      | 19965   | 1RB#0            | 5.71       | 13        | PASS    |
| Band4 | 3MHz      | 16QAM      | 19965   | 15RB#0           | 6.35       | 13        | PASS    |
| Band4 | 3MHz      | QPSK       | 20175   | 1RB#0            | 6.00       | 13        | PASS    |
| Band4 | 3MHz      | QPSK       | 20175   | 15RB#0           | 5.83       | 13        | PASS    |
| Band4 | 3MHz      | 16QAM      | 20175   | 1RB#0            | 6.80       | 13        | PASS    |
| Band4 | 3MHz      | 16QAM      | 20175   | 15RB#0           | 6.51       | 13        | PASS    |
| Band4 | 3MHz      | QPSK       | 20385   | 1RB#0            | 5.71       | 13        | PASS    |
| Band4 | 3MHz      | QPSK       | 20385   | 15RB#0           | 5.92       | 13        | PASS    |
| Band4 | 3MHz      | 16QAM      | 20385   | 1RB#0            | 6.26       | 13        | PASS    |
| Band4 | 3MHz      | 16QAM      | 20385   | 15RB#0           | 6.64       | 13        | PASS    |
| Band4 | 5MHz      | QPSK       | 19975   | 1RB#0            | 4.57       | 13        | PASS    |
| Band4 | 5MHz      | QPSK       | 19975   | 25RB#0           | 5.64       | 13        | PASS    |
| Band4 | 5MHz      | 16QAM      | 19975   | 1RB#0            | 5.60       | 13        | PASS    |
| Band4 | 5MHz      | 16QAM      | 19975   | 25RB#0           | 6.38       | 13        | PASS    |
| Band4 | 5MHz      | QPSK       | 20175   | 1RB#0            | 5.82       | 13        | PASS    |
| Band4 | 5MHz      | QPSK       | 20175   | 25RB#0           | 6.00       | 13        | PASS    |
| Band4 | 5MHz      | 16QAM      | 20175   | 1RB#0            | 6.65       | 13        | PASS    |
| Band4 | 5MHz      | 16QAM      | 20175   | 25RB#0           | 6.54       | 13        | PASS    |
| Band4 | 5MHz      | QPSK       | 20375   | 1RB#0            | 5.16       | 13        | PASS    |



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|       |       |       |       |         |      |    |      |
|-------|-------|-------|-------|---------|------|----|------|
| Band4 | 5MHz  | QPSK  | 20375 | 25RB#0  | 5.77 | 13 | PASS |
| Band4 | 5MHz  | 16QAM | 20375 | 1RB#0   | 6.00 | 13 | PASS |
| Band4 | 5MHz  | 16QAM | 20375 | 25RB#0  | 6.32 | 13 | PASS |
| Band4 | 10MHz | QPSK  | 20000 | 1RB#0   | 4.51 | 13 | PASS |
| Band4 | 10MHz | QPSK  | 20000 | 50RB#0  | 5.61 | 13 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 1RB#0   | 5.41 | 13 | PASS |
| Band4 | 10MHz | QPSK  | 20175 | 1RB#0   | 5.83 | 13 | PASS |
| Band4 | 10MHz | QPSK  | 20175 | 50RB#0  | 5.81 | 13 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 1RB#0   | 6.82 | 13 | PASS |
| Band4 | 10MHz | QPSK  | 20350 | 1RB#0   | 4.40 | 13 | PASS |
| Band4 | 10MHz | QPSK  | 20350 | 50RB#0  | 5.71 | 13 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 1RB#0   | 5.31 | 13 | PASS |
| Band4 | 15MHz | QPSK  | 20025 | 1RB#0   | 4.63 | 13 | PASS |
| Band4 | 15MHz | QPSK  | 20025 | 75RB#0  | 5.96 | 13 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 1RB#0   | 5.69 | 13 | PASS |
| Band4 | 15MHz | QPSK  | 20175 | 1RB#0   | 5.80 | 13 | PASS |
| Band4 | 15MHz | QPSK  | 20175 | 75RB#0  | 6.08 | 13 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 1RB#0   | 6.87 | 13 | PASS |
| Band4 | 15MHz | QPSK  | 20325 | 1RB#0   | 4.36 | 13 | PASS |
| Band4 | 15MHz | QPSK  | 20325 | 75RB#0  | 5.79 | 13 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 1RB#0   | 5.25 | 13 | PASS |
| Band4 | 20MHz | QPSK  | 20050 | 1RB#0   | 4.46 | 13 | PASS |
| Band4 | 20MHz | QPSK  | 20050 | 100RB#0 | 5.75 | 13 | PASS |
| Band4 | 20MHz | QPSK  | 20175 | 1RB#0   | 5.86 | 13 | PASS |
| Band4 | 20MHz | QPSK  | 20175 | 100RB#0 | 5.69 | 13 | PASS |
| Band4 | 20MHz | QPSK  | 20300 | 1RB#0   | 4.75 | 13 | PASS |
| Band4 | 20MHz | QPSK  | 20300 | 100RB#0 | 5.46 | 13 | PASS |

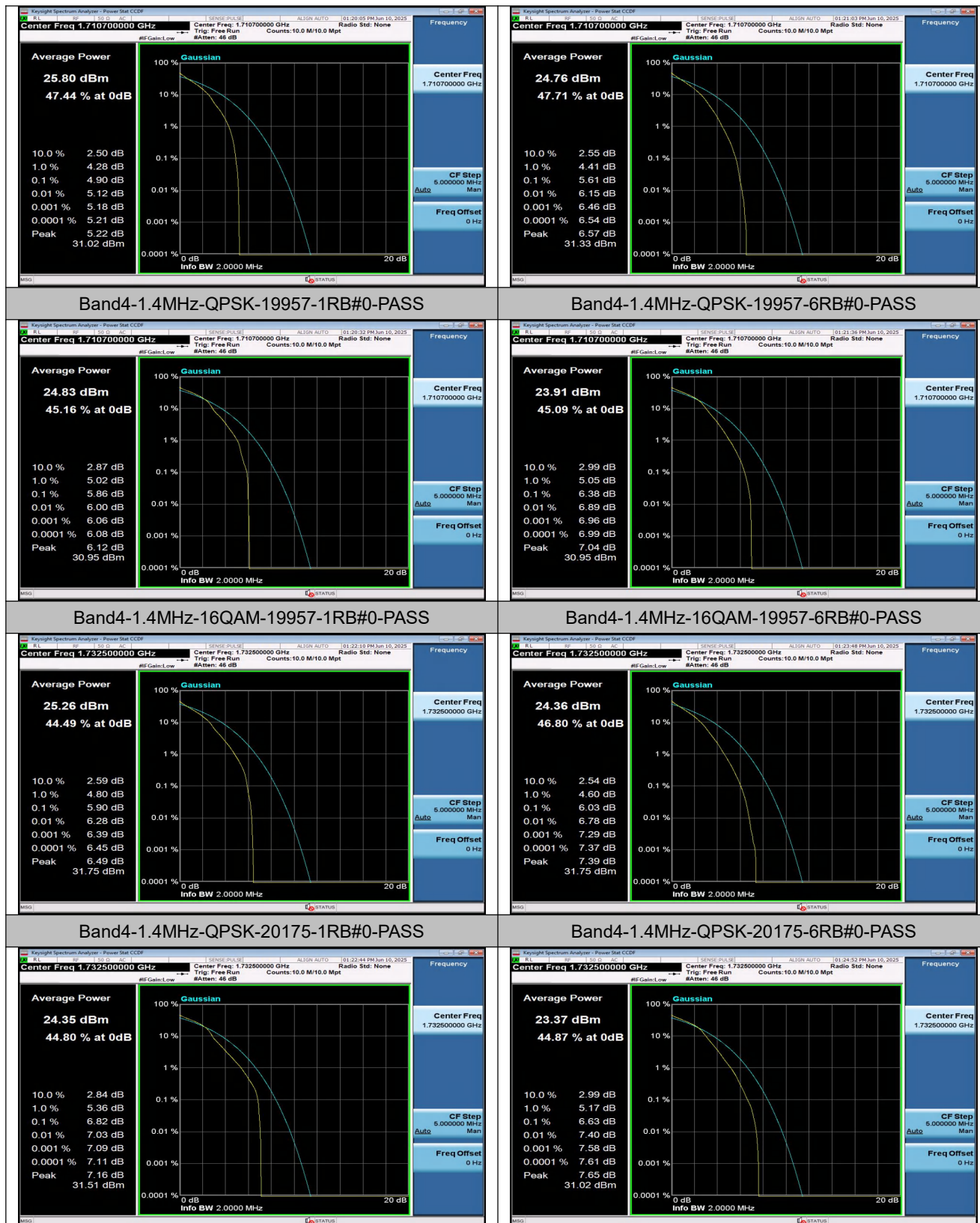


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## Test Graphs



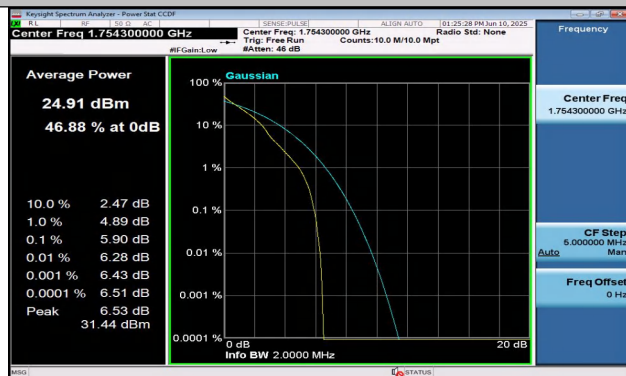


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Band4-1.4MHz-16QAM-20175-1RB#0-PASS



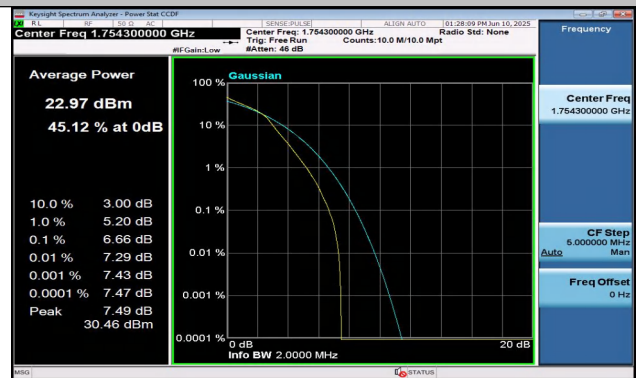
Band4-1.4MHz-16QAM-20175-6RB#0-PASS



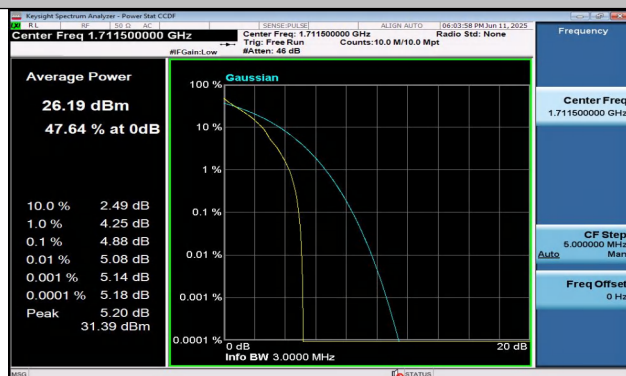
Band4-1.4MHz-QPSK-20393-1RB#0-PASS



Band4-1.4MHz-QPSK-20393-6RB#0-PASS



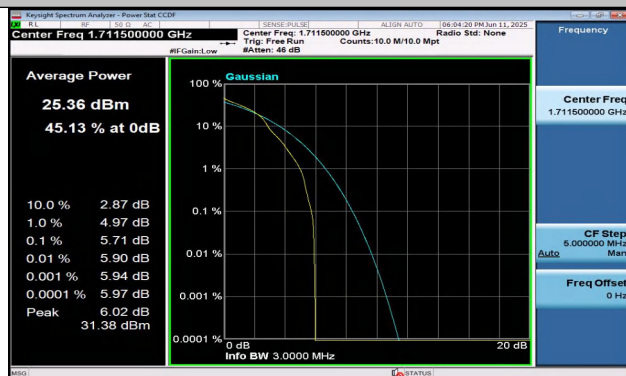
Band4-1.4MHz-16QAM-20393-1RB#0-PASS



Band4-1.4MHz-16QAM-20393-6RB#0-PASS



Band4-3MHz-QPSK-19965-1RB#0-PASS



Band4-3MHz-QPSK-19965-15RB#0-PASS



Band4-3MHz-16QAM-19965-1RB#0-PASS

Band4-3MHz-16QAM-19965-15RB#0-PASS



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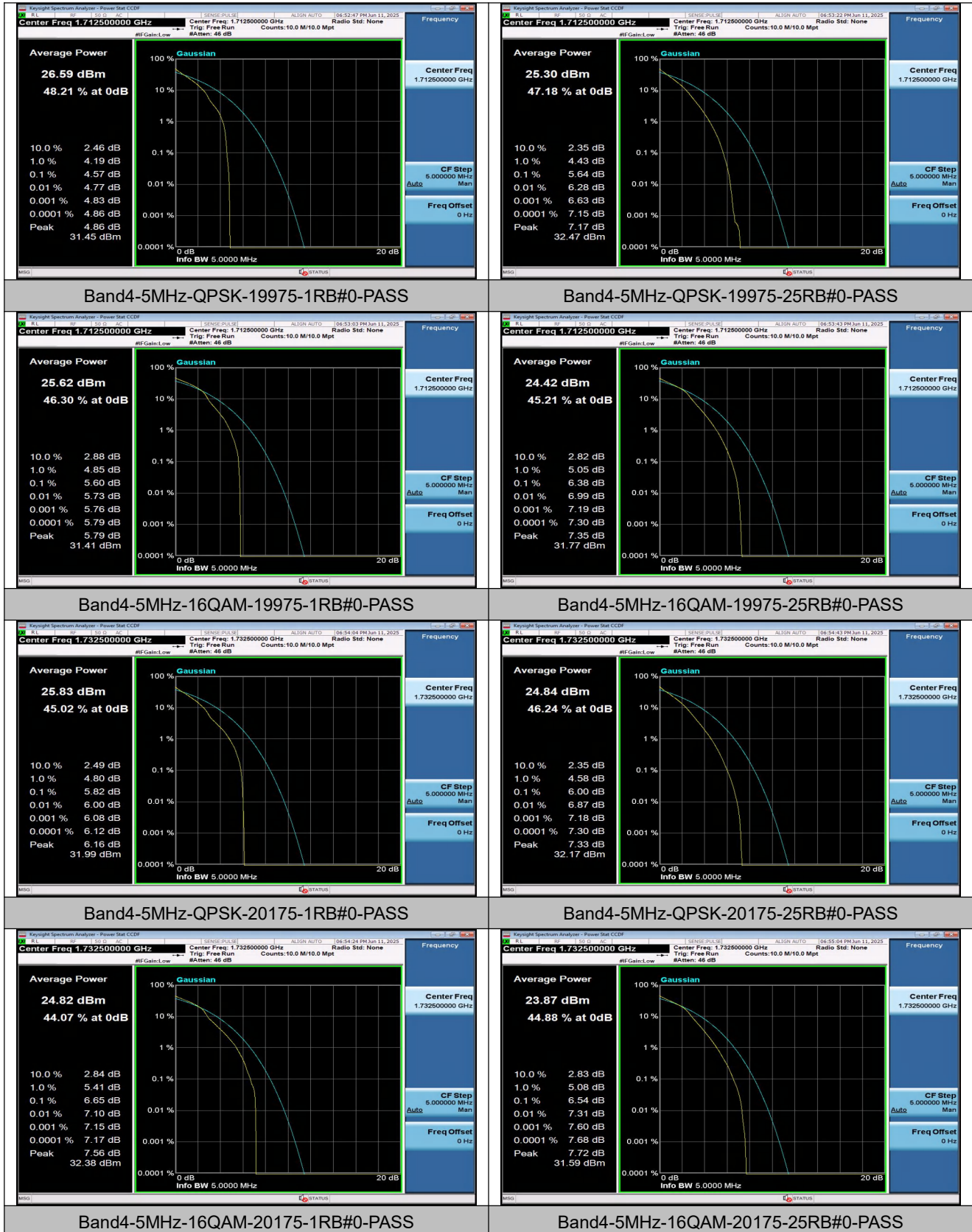




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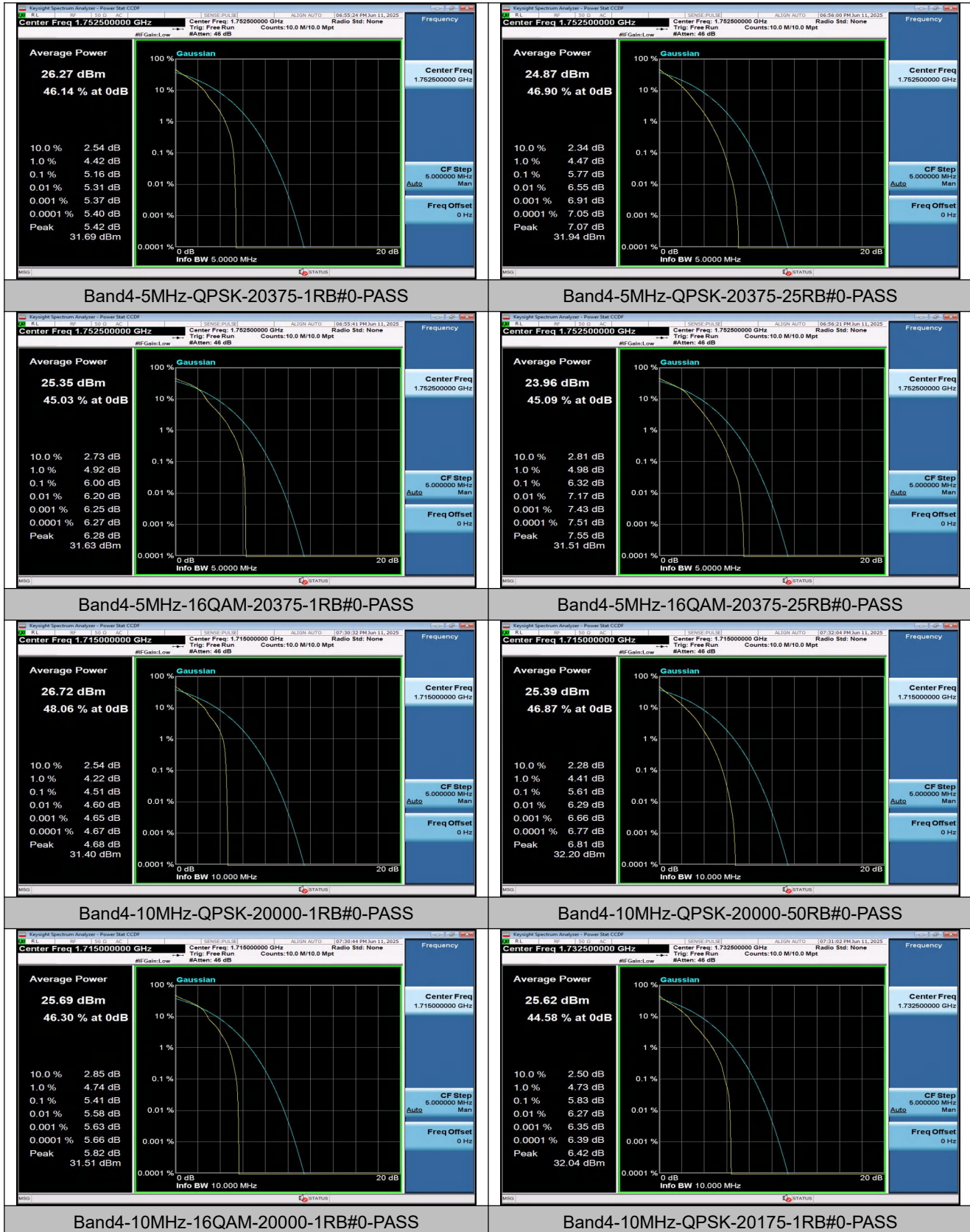




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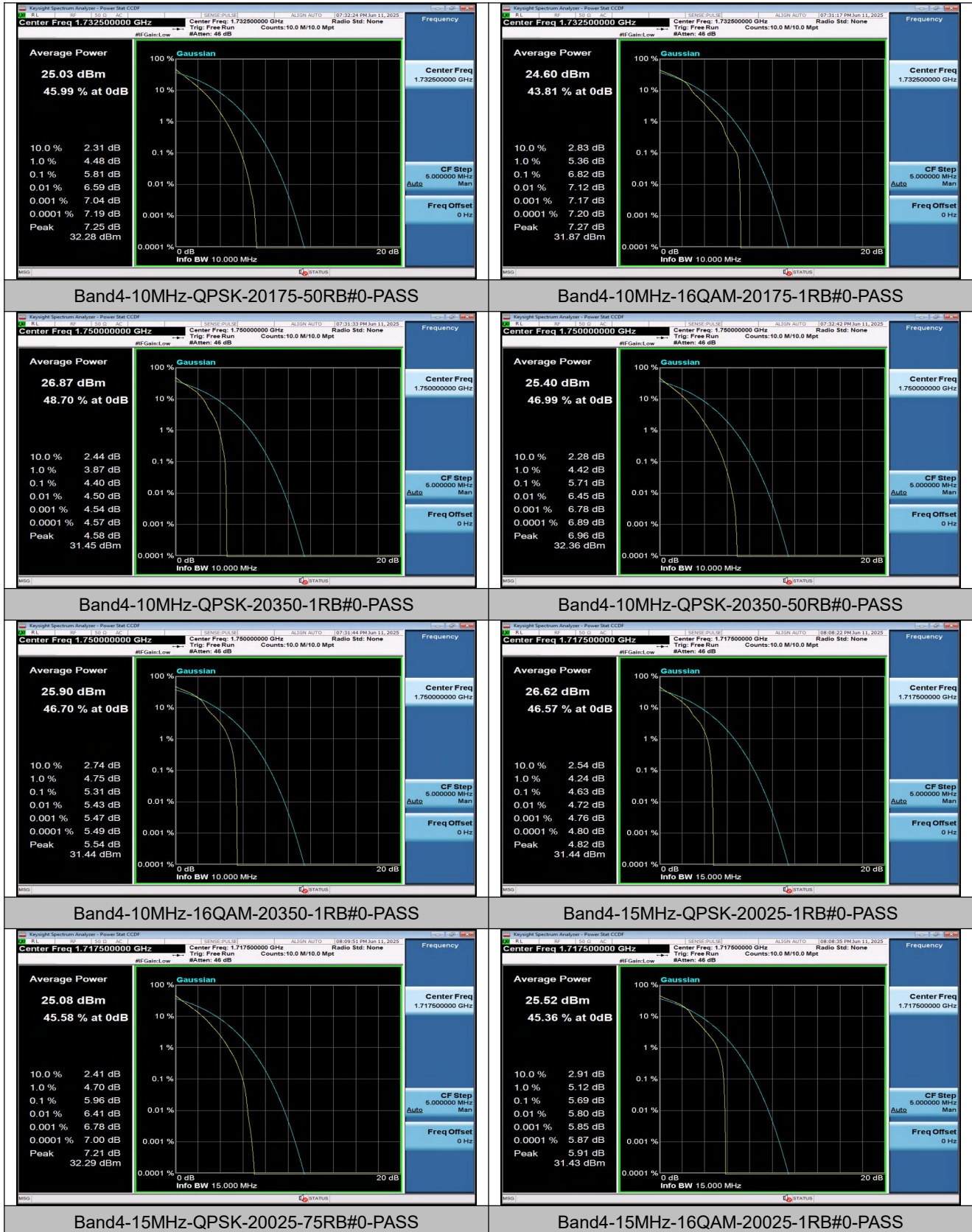




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No.: GRCTR250502026-02

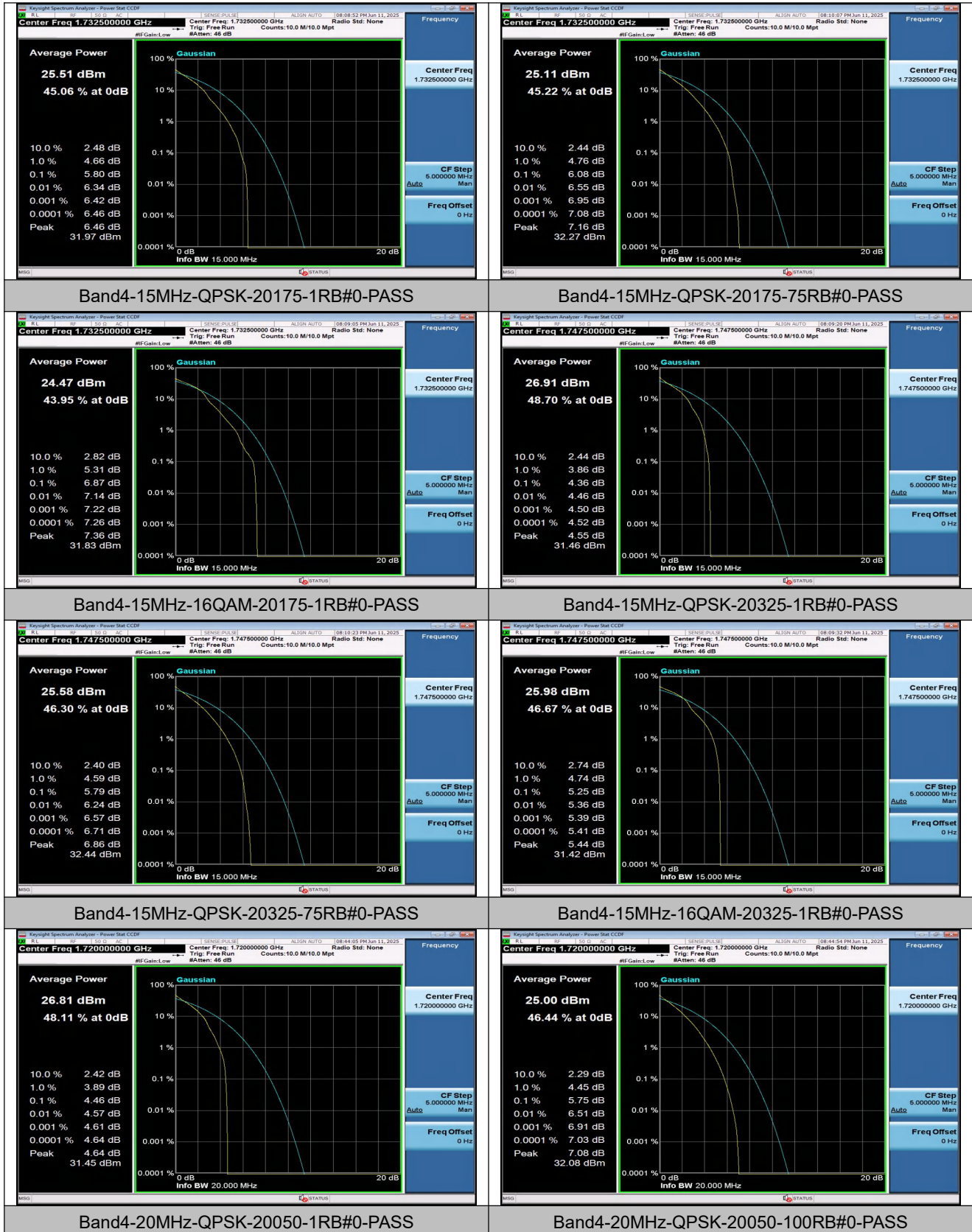




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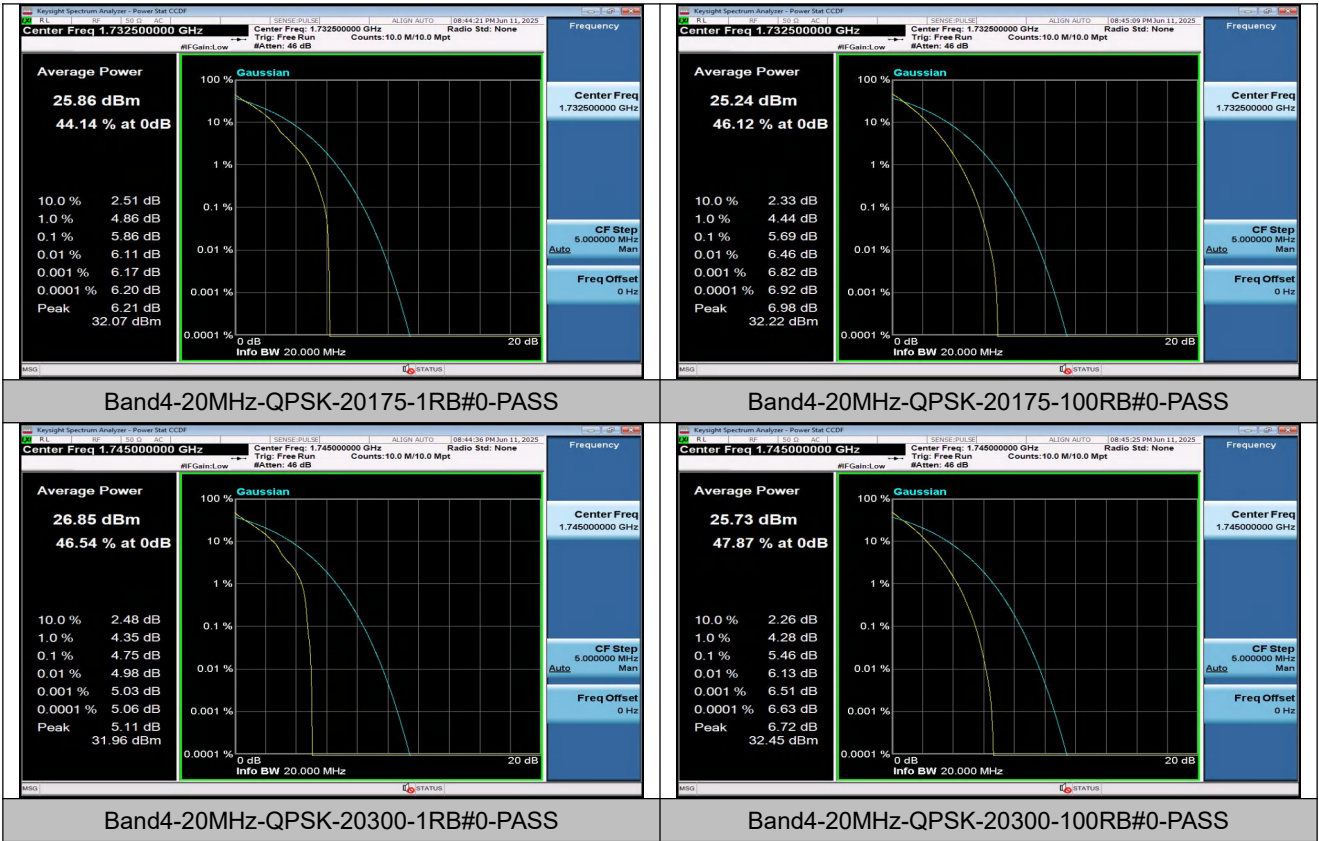




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Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

| Band  | Bandwidth | Modulation | Channel | RB Configuration | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|-------|-----------|------------|---------|------------------|--------------------------|----------------------|---------|
| Band4 | 1.4MHz    | QPSK       | 19957   | 6RB#0            | 1.0957                   | 1.318                | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 19957   | 6RB#0            | 1.0964                   | 1.315                | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20175   | 6RB#0            | 1.0951                   | 1.325                | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20175   | 6RB#0            | 1.0983                   | 1.322                | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20393   | 6RB#0            | 1.0991                   | 1.322                | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20393   | 6RB#0            | 1.1000                   | 1.346                | PASS    |
| Band4 | 3MHz      | QPSK       | 19965   | 15RB#0           | 2.7096                   | 3.171                | PASS    |
| Band4 | 3MHz      | 16QAM      | 19965   | 15RB#0           | 2.7161                   | 3.104                | PASS    |
| Band4 | 3MHz      | QPSK       | 20175   | 15RB#0           | 2.7076                   | 3.091                | PASS    |
| Band4 | 3MHz      | 16QAM      | 20175   | 15RB#0           | 2.7062                   | 3.161                | PASS    |
| Band4 | 3MHz      | QPSK       | 20385   | 15RB#0           | 2.7058                   | 3.143                | PASS    |
| Band4 | 3MHz      | 16QAM      | 20385   | 15RB#0           | 2.7004                   | 3.118                | PASS    |
| Band4 | 5MHz      | QPSK       | 19975   | 25RB#0           | 4.5415                   | 5.565                | PASS    |
| Band4 | 5MHz      | 16QAM      | 19975   | 25RB#0           | 4.5179                   | 5.618                | PASS    |
| Band4 | 5MHz      | QPSK       | 20175   | 25RB#0           | 4.5279                   | 5.402                | PASS    |
| Band4 | 5MHz      | 16QAM      | 20175   | 25RB#0           | 4.5231                   | 5.478                | PASS    |
| Band4 | 5MHz      | QPSK       | 20375   | 25RB#0           | 4.5348                   | 5.484                | PASS    |
| Band4 | 5MHz      | 16QAM      | 20375   | 25RB#0           | 4.5339                   | 5.500                | PASS    |
| Band4 | 10MHz     | QPSK       | 20000   | 50RB#0           | 8.9956                   | 10.52                | PASS    |
| Band4 | 10MHz     | 16QAM      | 20000   | 27RB#0           | 5.0400                   | 6.692                | PASS    |
| Band4 | 10MHz     | QPSK       | 20175   | 50RB#0           | 9.0106                   | 10.66                | PASS    |
| Band4 | 10MHz     | 16QAM      | 20175   | 27RB#0           | 5.0381                   | 6.670                | PASS    |
| Band4 | 10MHz     | QPSK       | 20350   | 50RB#0           | 9.0237                   | 10.66                | PASS    |
| Band4 | 10MHz     | 16QAM      | 20350   | 27RB#0           | 5.0275                   | 6.507                | PASS    |
| Band4 | 15MHz     | QPSK       | 20025   | 75RB#0           | 13.524                   | 15.96                | PASS    |
| Band4 | 15MHz     | 16QAM      | 20025   | 27RB#0           | 5.2956                   | 7.944                | PASS    |
| Band4 | 15MHz     | QPSK       | 20175   | 75RB#0           | 13.510                   | 16.22                | PASS    |
| Band4 | 15MHz     | 16QAM      | 20175   | 27RB#0           | 5.3275                   | 7.714                | PASS    |
| Band4 | 15MHz     | QPSK       | 20325   | 75RB#0           | 13.520                   | 16.02                | PASS    |
| Band4 | 15MHz     | 16QAM      | 20325   | 27RB#0           | 5.2478                   | 7.727                | PASS    |
| Band4 | 20MHz     | QPSK       | 20050   | 100RB#0          | 17.996                   | 20.48                | PASS    |
| Band4 | 20MHz     | 16QAM      | 20050   | 27RB#0           | 5.4828                   | 8.051                | PASS    |



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|       |       |       |       |         |        |       |      |
|-------|-------|-------|-------|---------|--------|-------|------|
| Band4 | 20MHz | QPSK  | 20175 | 100RB#0 | 17.951 | 20.49 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 27RB#0  | 5.5450 | 8.153 | PASS |
| Band4 | 20MHz | QPSK  | 20300 | 100RB#0 | 17.913 | 20.16 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 27RB#0  | 5.5093 | 8.145 | PASS |



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## Test Graphs

