

## **FCC Appendix RF Test Data for LTE Band 26**

**Company:** : **Gastor Pty Ltd**  
**EUT** : **GPS tracker**  
**Model Number** : **AG45**  
**FCC ID** : **2BU7Q-AG45**  
**Report No.** : **CTA26031300110**  
**Reviewed By** : **Eric Wang**

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

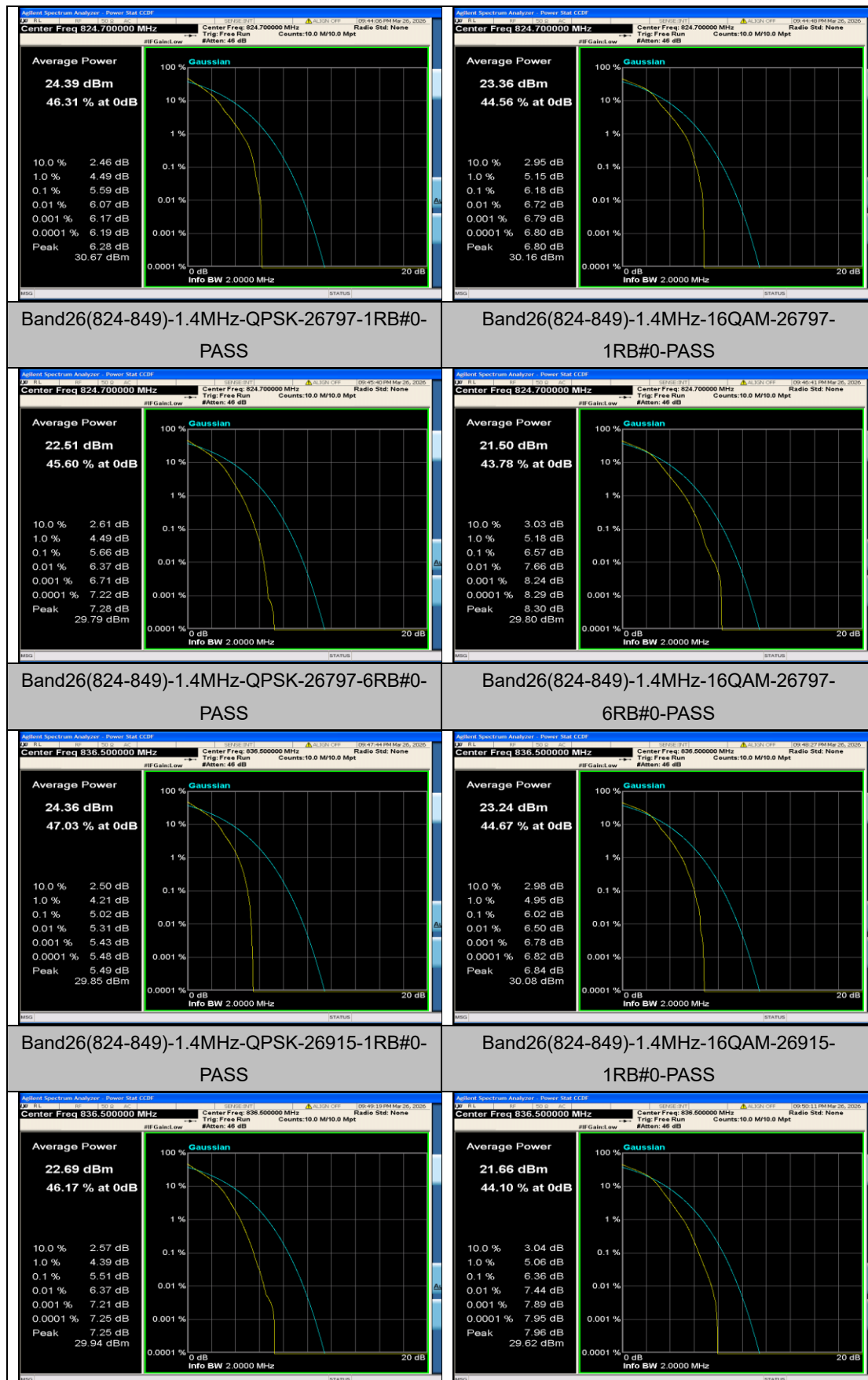
### Test Result

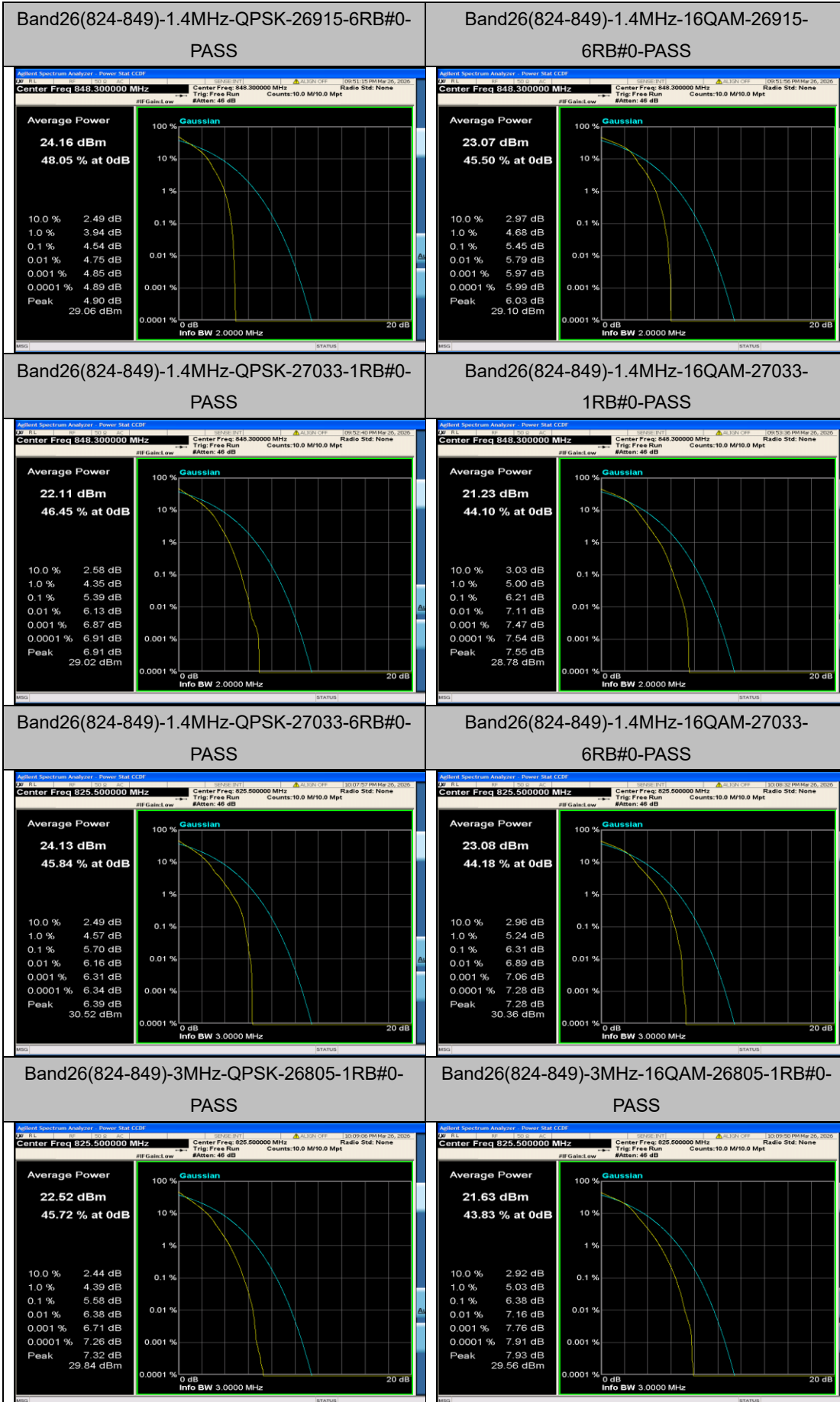
| Band            | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|-----------------|-----------|------------|---------|------------------|------------|-----------|---------|
| Band26(824-849) | 1.4MHz    | QPSK       | 26797   | 1RB#0            | 5.59       | 13        | PASS    |
| Band26(824-849) | 1.4MHz    | 16QAM      | 26797   | 1RB#0            | 6.18       | 13        | PASS    |
| Band26(824-849) | 1.4MHz    | QPSK       | 26797   | 6RB#0            | 5.66       | 13        | PASS    |
| Band26(824-849) | 1.4MHz    | 16QAM      | 26797   | 6RB#0            | 6.57       | 13        | PASS    |
| Band26(824-849) | 1.4MHz    | QPSK       | 26915   | 1RB#0            | 5.02       | 13        | PASS    |
| Band26(824-849) | 1.4MHz    | 16QAM      | 26915   | 1RB#0            | 6.02       | 13        | PASS    |
| Band26(824-849) | 1.4MHz    | QPSK       | 26915   | 6RB#0            | 5.51       | 13        | PASS    |
| Band26(824-849) | 1.4MHz    | 16QAM      | 26915   | 6RB#0            | 6.36       | 13        | PASS    |
| Band26(824-849) | 1.4MHz    | QPSK       | 27033   | 1RB#0            | 4.54       | 13        | PASS    |
| Band26(824-849) | 1.4MHz    | 16QAM      | 27033   | 1RB#0            | 5.45       | 13        | PASS    |
| Band26(824-849) | 1.4MHz    | QPSK       | 27033   | 6RB#0            | 5.39       | 13        | PASS    |
| Band26(824-849) | 1.4MHz    | 16QAM      | 27033   | 6RB#0            | 6.21       | 13        | PASS    |
| Band26(824-849) | 3MHz      | QPSK       | 26805   | 1RB#0            | 5.70       | 13        | PASS    |
| Band26(824-849) | 3MHz      | 16QAM      | 26805   | 1RB#0            | 6.31       | 13        | PASS    |
| Band26(824-849) | 3MHz      | QPSK       | 26805   | 15RB#0           | 5.58       | 13        | PASS    |
| Band26(824-849) | 3MHz      | 16QAM      | 26805   | 15RB#0           | 6.38       | 13        | PASS    |
| Band26(824-849) | 3MHz      | QPSK       | 26915   | 1RB#0            | 4.98       | 13        | PASS    |
| Band26(824-849) | 3MHz      | 16QAM      | 26915   | 1RB#0            | 6.02       | 13        | PASS    |

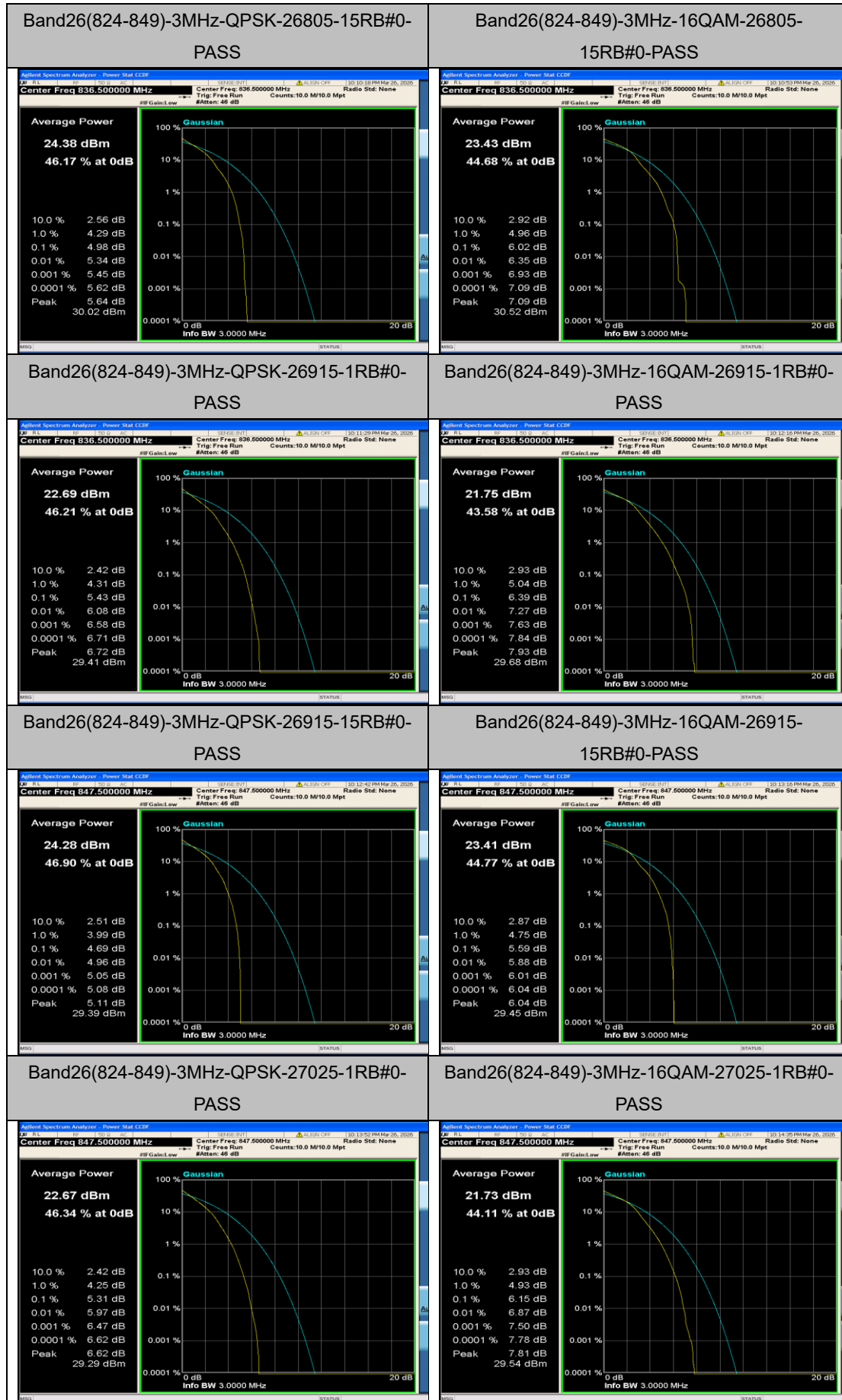
|                 |       |       |       |        |      |    |      |
|-----------------|-------|-------|-------|--------|------|----|------|
| Band26(824-849) | 3MHz  | QPSK  | 26915 | 15RB#0 | 5.43 | 13 | PASS |
| Band26(824-849) | 3MHz  | 16QAM | 26915 | 15RB#0 | 6.39 | 13 | PASS |
| Band26(824-849) | 3MHz  | QPSK  | 27025 | 1RB#0  | 4.69 | 13 | PASS |
| Band26(824-849) | 3MHz  | 16QAM | 27025 | 1RB#0  | 5.59 | 13 | PASS |
| Band26(824-849) | 3MHz  | QPSK  | 27025 | 15RB#0 | 5.31 | 13 | PASS |
| Band26(824-849) | 3MHz  | 16QAM | 27025 | 15RB#0 | 6.15 | 13 | PASS |
| Band26(824-849) | 5MHz  | QPSK  | 26815 | 1RB#0  | 5.83 | 13 | PASS |
| Band26(824-849) | 5MHz  | 16QAM | 26815 | 1RB#0  | 6.06 | 13 | PASS |
| Band26(824-849) | 5MHz  | QPSK  | 26815 | 25RB#0 | 5.77 | 13 | PASS |
| Band26(824-849) | 5MHz  | 16QAM | 26815 | 25RB#0 | 6.41 | 13 | PASS |
| Band26(824-849) | 5MHz  | QPSK  | 26915 | 1RB#0  | 4.81 | 13 | PASS |
| Band26(824-849) | 5MHz  | 16QAM | 26915 | 1RB#0  | 5.55 | 13 | PASS |
| Band26(824-849) | 5MHz  | QPSK  | 26915 | 25RB#0 | 5.67 | 13 | PASS |
| Band26(824-849) | 5MHz  | 16QAM | 26915 | 25RB#0 | 6.41 | 13 | PASS |
| Band26(824-849) | 5MHz  | QPSK  | 27015 | 1RB#0  | 4.94 | 13 | PASS |
| Band26(824-849) | 5MHz  | 16QAM | 27015 | 1RB#0  | 5.69 | 13 | PASS |
| Band26(824-849) | 5MHz  | QPSK  | 27015 | 25RB#0 | 5.45 | 13 | PASS |
| Band26(824-849) | 5MHz  | 16QAM | 27015 | 25RB#0 | 6.23 | 13 | PASS |
| Band26(824-849) | 10MHz | QPSK  | 26840 | 1RB#0  | 5.75 | 13 | PASS |
| Band26(824-849) | 10MHz | 16QAM | 26840 | 1RB#0  | 6.50 | 13 | PASS |
| Band26(824-849) | 10MHz | QPSK  | 26915 | 1RB#0  | 4.73 | 13 | PASS |
| Band26(824-849) | 10MHz | 16QAM | 26915 | 1RB#0  | 5.37 | 13 | PASS |

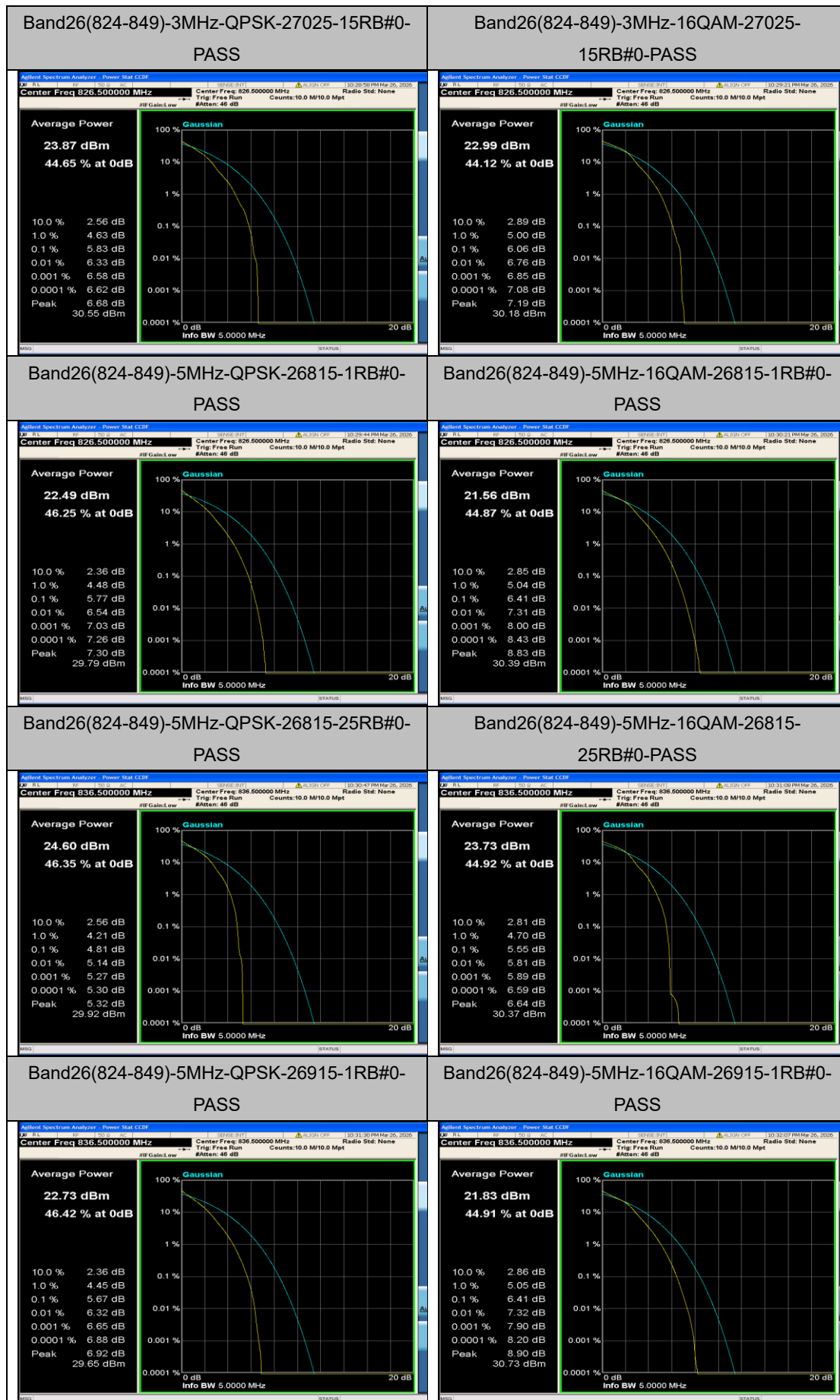
|                 |       |       |       |        |      |    |      |
|-----------------|-------|-------|-------|--------|------|----|------|
| Band26(824-849) | 10MHz | QPSK  | 26990 | 1RB#0  | 5.70 | 13 | PASS |
| Band26(824-849) | 10MHz | 16QAM | 26990 | 1RB#0  | 6.40 | 13 | PASS |
| Band26(824-849) | 10MHz | QPSK  | 26840 | 50RB#0 | 5.71 | 13 | PASS |
| Band26(824-849) | 10MHz | QPSK  | 26915 | 50RB#0 | 6.07 | 13 | PASS |
| Band26(824-849) | 10MHz | QPSK  | 26990 | 50RB#0 | 5.83 | 13 | PASS |
| Band26(824-849) | 15MHz | QPSK  | 26865 | 1RB#0  | 5.49 | 13 | PASS |
| Band26(824-849) | 15MHz | 16QAM | 26865 | 1RB#0  | 6.67 | 13 | PASS |
| Band26(824-849) | 15MHz | QPSK  | 26915 | 1RB#0  | 5.97 | 13 | PASS |
| Band26(824-849) | 15MHz | 16QAM | 26915 | 1RB#0  | 5.94 | 13 | PASS |
| Band26(824-849) | 15MHz | QPSK  | 26965 | 1RB#0  | 5.09 | 13 | PASS |
| Band26(824-849) | 15MHz | 16QAM | 26965 | 1RB#0  | 6.02 | 13 | PASS |
| Band26(824-849) | 15MHz | QPSK  | 26865 | 75RB#0 | 5.92 | 13 | PASS |
| Band26(824-849) | 15MHz | QPSK  | 26915 | 75RB#0 | 6.40 | 13 | PASS |
| Band26(824-849) | 15MHz | QPSK  | 26965 | 75RB#0 | 6.31 | 13 | PASS |

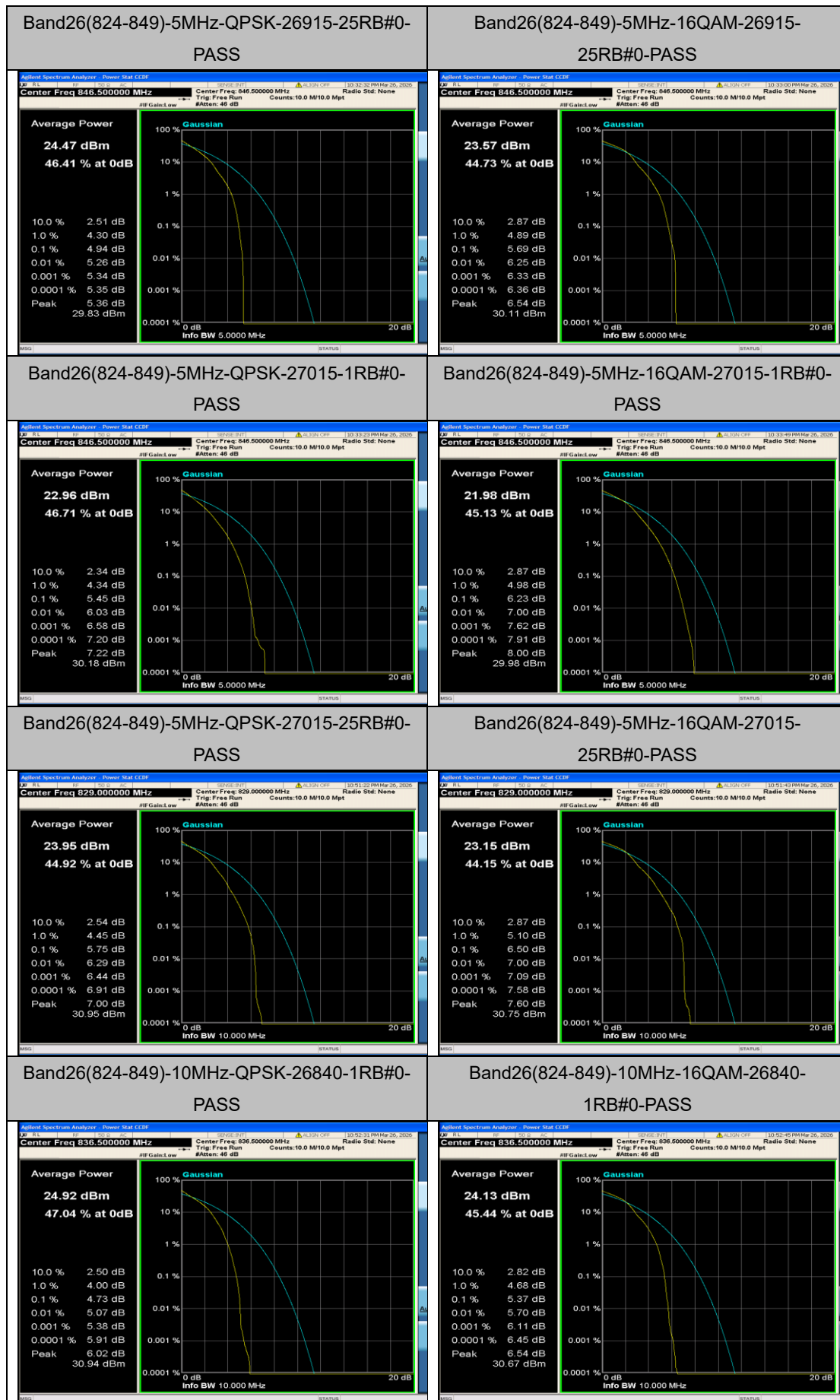
# Test Graphs

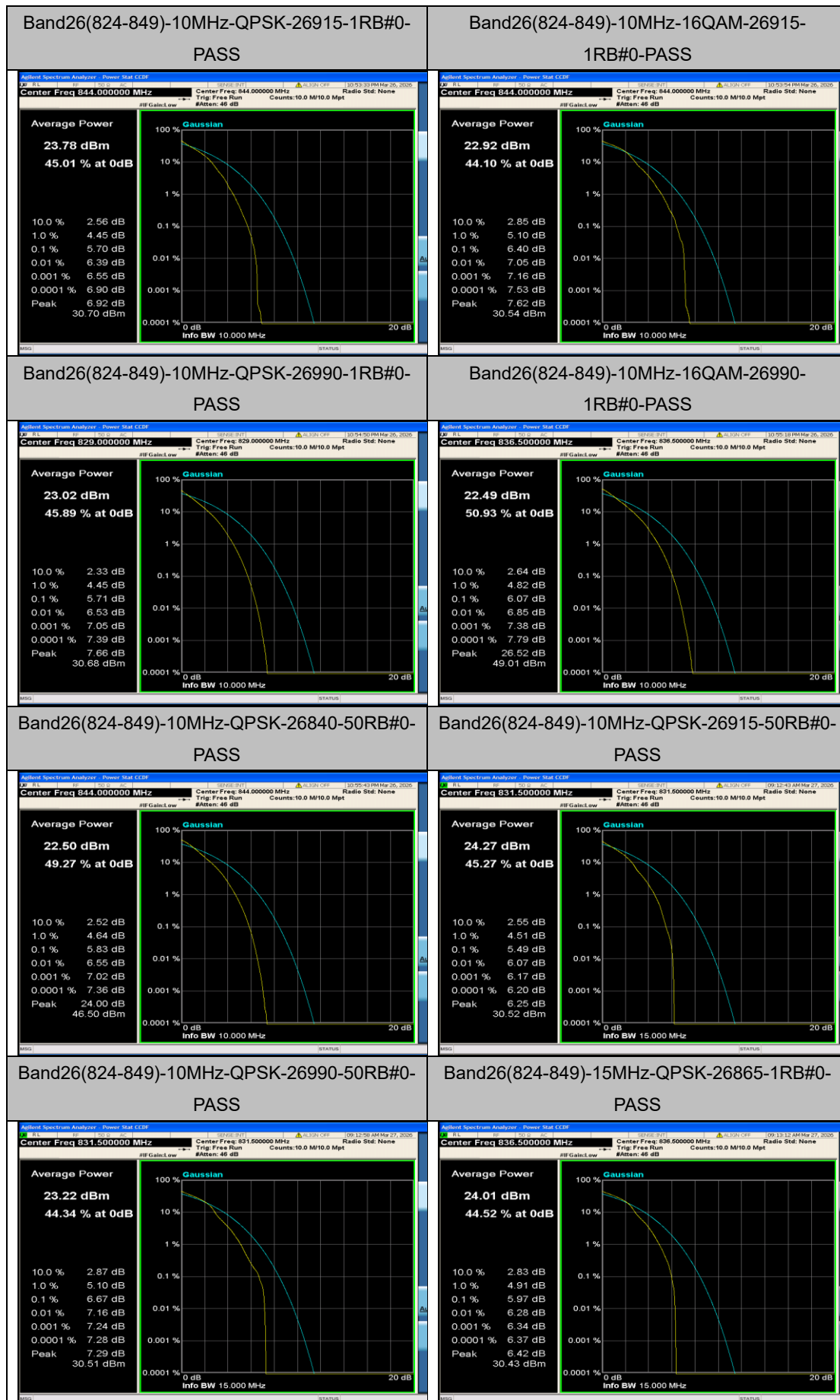


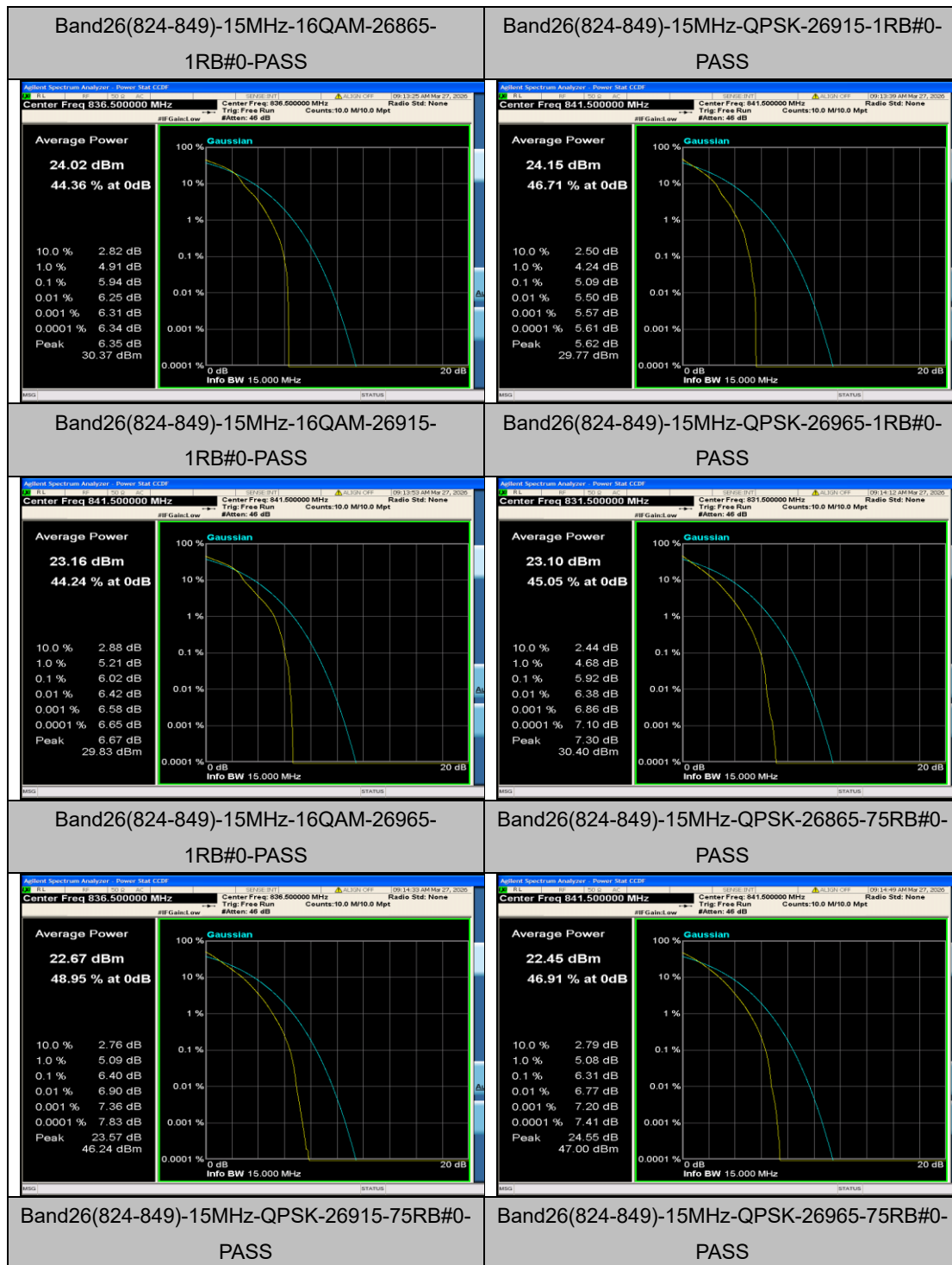










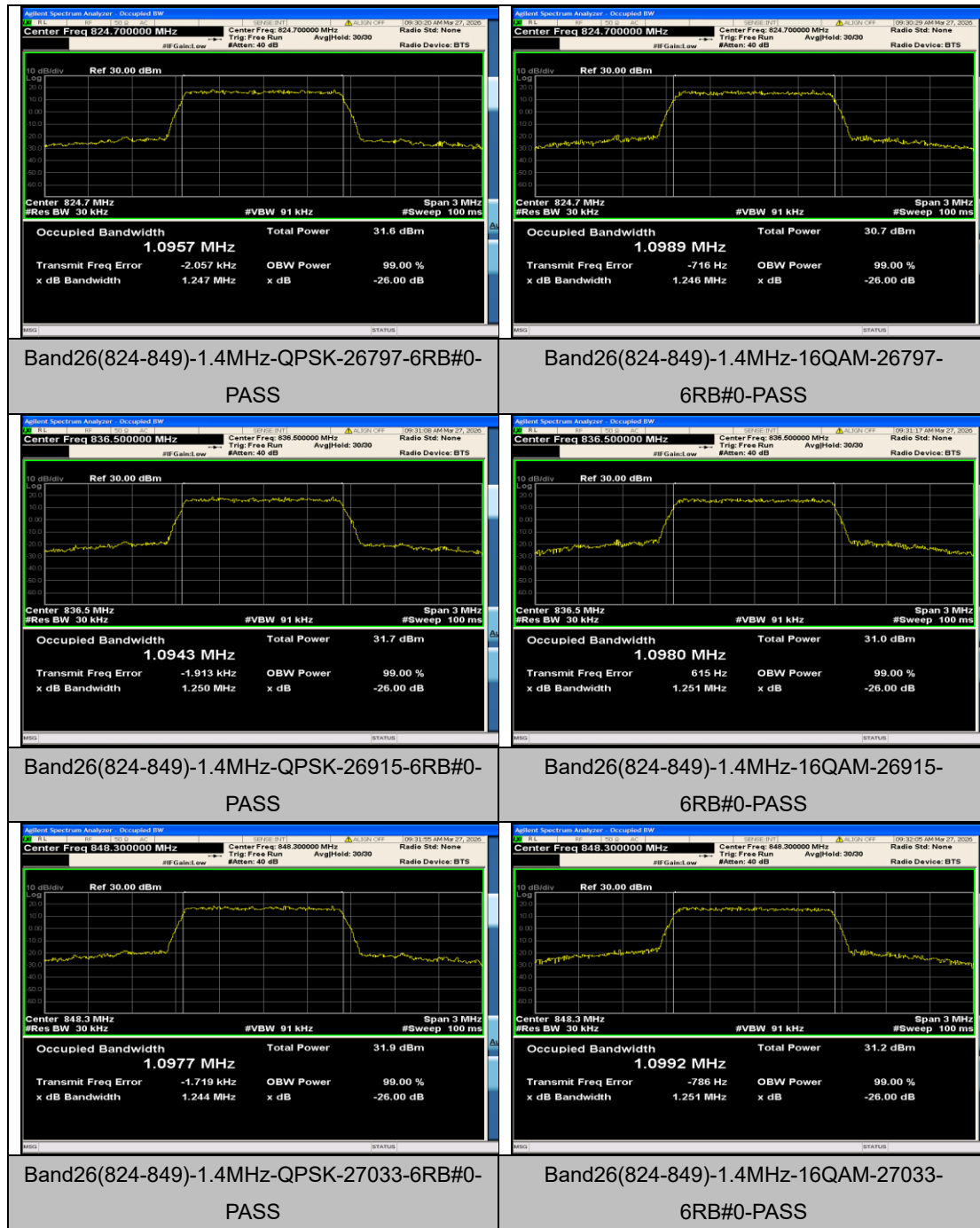


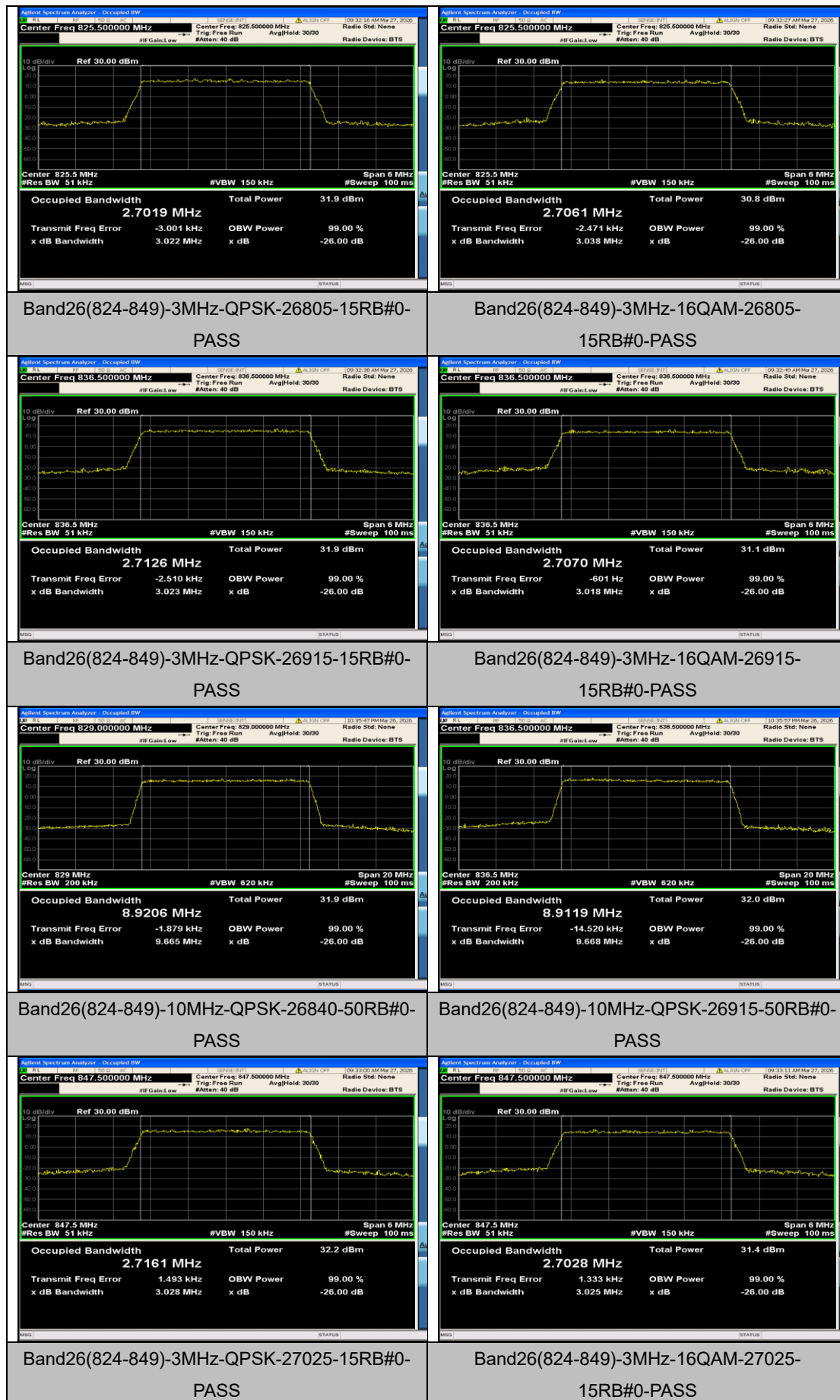
## Appendix C: 26dB Bandwidth and Occupied Bandwidth

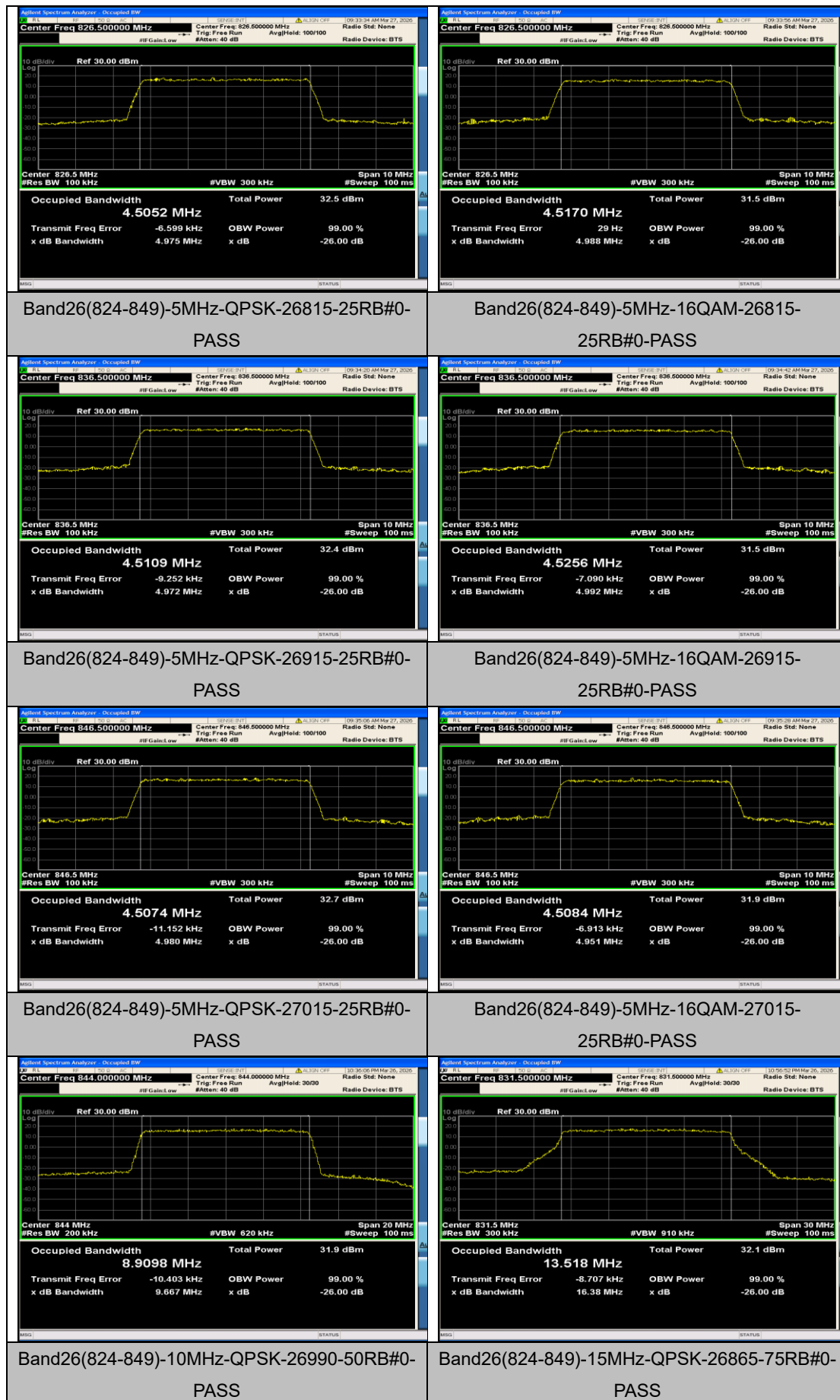
### Test Result

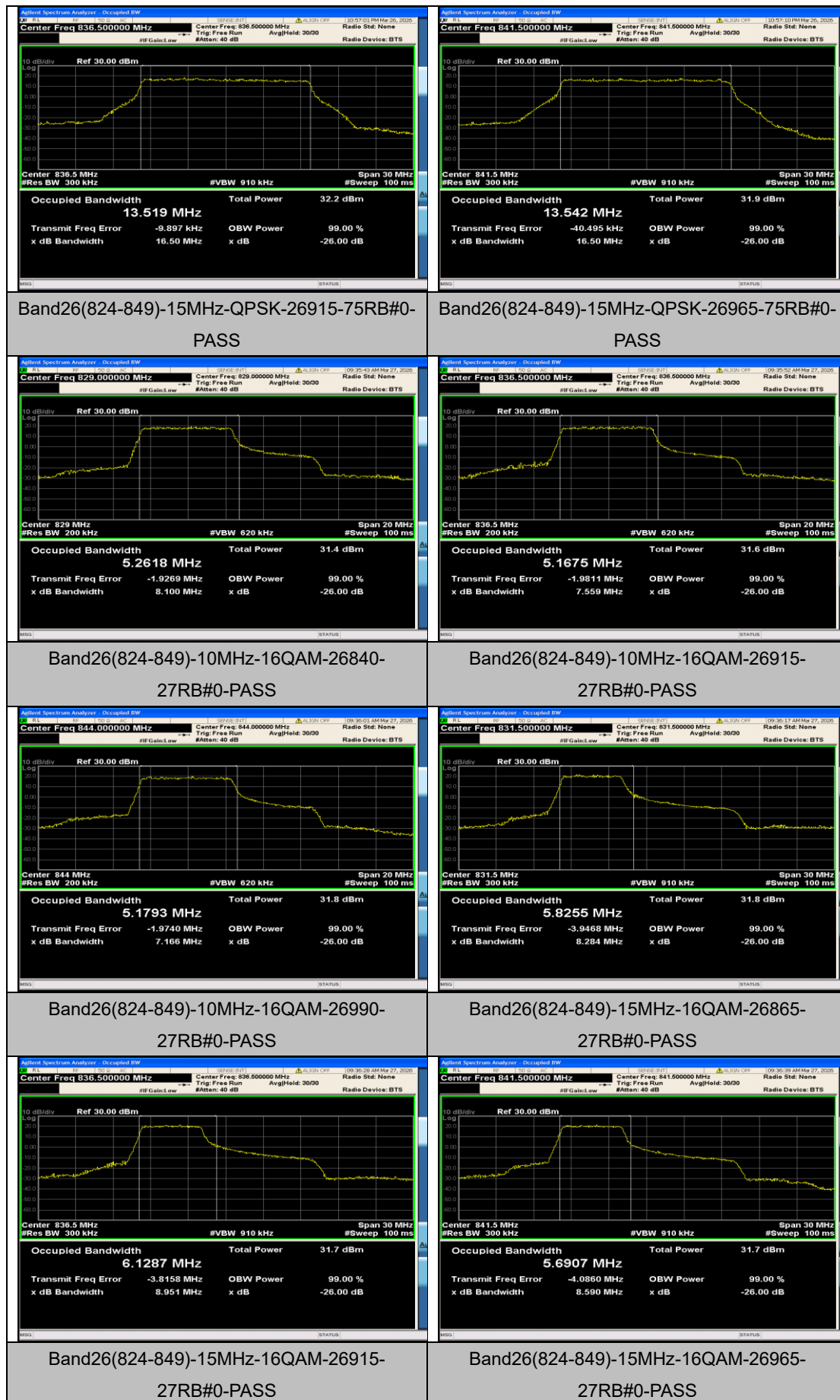
| Band            | Bandwidth | Modulation | Channel | RB Configuration | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|-----------------|-----------|------------|---------|------------------|--------------------------|----------------------|---------|
| Band26(824-849) | 1.4MHz    | QPSK       | 26797   | 6RB#0            | 1.0957                   | 1.247                | PASS    |
| Band26(824-849) | 1.4MHz    | QPSK       | 26915   | 6RB#0            | 1.0943                   | 1.250                | PASS    |
| Band26(824-849) | 1.4MHz    | QPSK       | 27033   | 6RB#0            | 1.0977                   | 1.244                | PASS    |
| Band26(824-849) | 1.4MHz    | 16QAM      | 26797   | 6RB#0            | 1.0989                   | 1.246                | PASS    |
| Band26(824-849) | 1.4MHz    | 16QAM      | 26915   | 6RB#0            | 1.0980                   | 1.251                | PASS    |
| Band26(824-849) | 1.4MHz    | 16QAM      | 27033   | 6RB#0            | 1.0992                   | 1.251                | PASS    |
| Band26(824-849) | 3MHz      | QPSK       | 26805   | 15RB#0           | 2.7019                   | 3.022                | PASS    |
| Band26(824-849) | 3MHz      | QPSK       | 26915   | 15RB#0           | 2.7126                   | 3.023                | PASS    |
| Band26(824-849) | 3MHz      | QPSK       | 27025   | 15RB#0           | 2.7161                   | 3.028                | PASS    |
| Band26(824-849) | 3MHz      | 16QAM      | 26805   | 15RB#0           | 2.7061                   | 3.038                | PASS    |
| Band26(824-849) | 3MHz      | 16QAM      | 26915   | 15RB#0           | 2.7070                   | 3.018                | PASS    |
| Band26(824-849) | 3MHz      | 16QAM      | 27025   | 15RB#0           | 2.7028                   | 3.025                | PASS    |
| Band26(824-849) | 5MHz      | QPSK       | 26815   | 25RB#0           | 4.5052                   | 4.975                | PASS    |
| Band26(824-849) | 5MHz      | QPSK       | 26915   | 25RB#0           | 4.5109                   | 4.972                | PASS    |
| Band26(824-849) | 5MHz      | QPSK       | 27015   | 25RB#0           | 4.5074                   | 4.980                | PASS    |
| Band26(824-849) | 5MHz      | 16QAM      | 26815   | 25RB#0           | 4.5170                   | 4.988                | PASS    |
| Band26(824-849) | 5MHz      | 16QAM      | 26915   | 25RB#0           | 4.5256                   | 4.992                | PASS    |
| Band26(824-849) | 5MHz      | 16QAM      | 27015   | 25RB#0           | 4.5084                   | 4.951                | PASS    |
| Band26(824-849) | 10MHz     | QPSK       | 26990   | 50RB#0           | 8.9098                   | 9.667                | PASS    |
| Band26(824-849) | 10MHz     | QPSK       | 26840   | 50RB#0           | 8.9206                   | 9.665                | PASS    |
| Band26(824-849) | 10MHz     | QPSK       | 26915   | 50RB#0           | 8.9119                   | 9.668                | PASS    |
| Band26(824-849) | 10MHz     | 16QAM      | 26840   | 27RB#0           | 5.2618                   | 8.100                | PASS    |
| Band26(824-849) | 10MHz     | 16QAM      | 26915   | 27RB#0           | 5.1675                   | 7.559                | PASS    |
| Band26(824-849) | 10MHz     | 16QAM      | 26990   | 27RB#0           | 5.1793                   | 7.166                | PASS    |
| Band26(824-849) | 15MHz     | QPSK       | 26865   | 75RB#0           | 13.518                   | 16.38                | PASS    |
| Band26(824-849) | 15MHz     | QPSK       | 26915   | 75RB#0           | 13.519                   | 16.50                | PASS    |
| Band26(824-849) | 15MHz     | QPSK       | 26965   | 75RB#0           | 13.542                   | 16.50                | PASS    |
| Band26(824-849) | 15MHz     | 16QAM      | 26865   | 27RB#0           | 5.8255                   | 8.284                | PASS    |
| Band26(824-849) | 15MHz     | 16QAM      | 26915   | 27RB#0           | 6.1287                   | 8.951                | PASS    |
| Band26(824-849) | 15MHz     | 16QAM      | 26965   | 27RB#0           | 5.6907                   | 8.590                | PASS    |

## Test Graphs









## Appendix D: Band Edge

### Test Result

| Band            | Bandwidth | Modulation | Channel | RB Configuration | Result(dBm) | Verdict |
|-----------------|-----------|------------|---------|------------------|-------------|---------|
| Band26(824-849) | 1.4MHz    | QPSK       | 26797   | 1RB#0            | -16.13      | PASS    |
| Band26(824-849) | 1.4MHz    | 16QAM      | 26797   | 1RB#0            | -16.64      | PASS    |
| Band26(824-849) | 1.4MHz    | QPSK       | 26797   | 1RB#5            | -25.23      | PASS    |
| Band26(824-849) | 1.4MHz    | 16QAM      | 26797   | 1RB#5            | -23.80      | PASS    |
| Band26(824-849) | 1.4MHz    | QPSK       | 26797   | 6RB#0            | -24.13      | PASS    |
| Band26(824-849) | 1.4MHz    | 16QAM      | 26797   | 6RB#0            | -26.83      | PASS    |
| Band26(824-849) | 1.4MHz    | QPSK       | 27033   | 1RB#0            | -25.03      | PASS    |
| Band26(824-849) | 1.4MHz    | 16QAM      | 27033   | 1RB#0            | -24.59      | PASS    |
| Band26(824-849) | 1.4MHz    | QPSK       | 27033   | 1RB#5            | -16.71      | PASS    |
| Band26(824-849) | 1.4MHz    | 16QAM      | 27033   | 1RB#5            | -28.67      | PASS    |
| Band26(824-849) | 1.4MHz    | QPSK       | 27033   | 6RB#0            | -22.88      | PASS    |
| Band26(824-849) | 1.4MHz    | 16QAM      | 27033   | 6RB#0            | -32.85      | PASS    |
| Band26(824-849) | 3MHz      | QPSK       | 26805   | 1RB#0            | -18.42      | PASS    |
| Band26(824-849) | 3MHz      | 16QAM      | 26805   | 1RB#0            | -19.50      | PASS    |
| Band26(824-849) | 3MHz      | QPSK       | 26805   | 1RB#14           | -31.18      | PASS    |
| Band26(824-849) | 3MHz      | 16QAM      | 26805   | 1RB#14           | -32.50      | PASS    |
| Band26(824-849) | 3MHz      | QPSK       | 26805   | 15RB#0           | -28.02      | PASS    |
| Band26(824-849) | 3MHz      | 16QAM      | 26805   | 15RB#0           | -28.36      | PASS    |
| Band26(824-849) | 3MHz      | QPSK       | 27025   | 1RB#0            | -31.48      | PASS    |

|                 |       |       |       |        |        |      |
|-----------------|-------|-------|-------|--------|--------|------|
| 849)            |       |       |       |        |        |      |
| Band26(824-849) | 3MHz  | 16QAM | 27025 | 1RB#0  | -31.88 | PASS |
| Band26(824-849) | 3MHz  | QPSK  | 27025 | 1RB#14 | -19.27 | PASS |
| Band26(824-849) | 3MHz  | 16QAM | 27025 | 1RB#14 | -20.13 | PASS |
| Band26(824-849) | 3MHz  | QPSK  | 27025 | 15RB#0 | -30.31 | PASS |
| Band26(824-849) | 3MHz  | 16QAM | 27025 | 15RB#0 | -30.40 | PASS |
| Band26(824-849) | 5MHz  | QPSK  | 26815 | 1RB#0  | -25.17 | PASS |
| Band26(824-849) | 5MHz  | 16QAM | 26815 | 1RB#0  | -27.17 | PASS |
| Band26(824-849) | 5MHz  | QPSK  | 26815 | 1RB#24 | -41.45 | PASS |
| Band26(824-849) | 5MHz  | 16QAM | 26815 | 1RB#24 | -41.93 | PASS |
| Band26(824-849) | 5MHz  | QPSK  | 26815 | 25RB#0 | -33.85 | PASS |
| Band26(824-849) | 5MHz  | 16QAM | 26815 | 25RB#0 | -33.59 | PASS |
| Band26(824-849) | 5MHz  | QPSK  | 27015 | 1RB#0  | -42.34 | PASS |
| Band26(824-849) | 5MHz  | 16QAM | 27015 | 1RB#0  | -44.03 | PASS |
| Band26(824-849) | 5MHz  | QPSK  | 27015 | 1RB#24 | -25.85 | PASS |
| Band26(824-849) | 5MHz  | 16QAM | 27015 | 1RB#24 | -25.88 | PASS |
| Band26(824-849) | 5MHz  | QPSK  | 27015 | 25RB#0 | -35.52 | PASS |
| Band26(824-849) | 5MHz  | 16QAM | 27015 | 25RB#0 | -36.90 | PASS |
| Band26(824-849) | 10MHz | QPSK  | 26840 | 1RB#0  | -40.88 | PASS |
| Band26(824-849) | 10MHz | 16QAM | 26840 | 1RB#0  | -42.86 | PASS |
| Band26(824-849) | 10MHz | QPSK  | 26840 | 1RB#49 | -49.50 | PASS |
| Band26(824-849) | 10MHz | 16QAM | 26840 | 1RB#49 | -51.87 | PASS |

|                 |       |       |       |        |        |      |
|-----------------|-------|-------|-------|--------|--------|------|
| Band26(824-849) | 10MHz | QPSK  | 26990 | 1RB#0  | -50.89 | PASS |
| Band26(824-849) | 10MHz | 16QAM | 26990 | 1RB#0  | -53.20 | PASS |
| Band26(824-849) | 10MHz | QPSK  | 26990 | 1RB#49 | -41.13 | PASS |
| Band26(824-849) | 10MHz | 16QAM | 26990 | 1RB#49 | -41.43 | PASS |
| Band26(824-849) | 10MHz | QPSK  | 26840 | 50RB#0 | -40.02 | PASS |
| Band26(824-849) | 10MHz | QPSK  | 26990 | 50RB#0 | -41.08 | PASS |
| Band26(824-849) | 15MHz | QPSK  | 26865 | 1RB#0  | -37.04 | PASS |
| Band26(824-849) | 15MHz | 16QAM | 26865 | 1RB#0  | -37.61 | PASS |
| Band26(824-849) | 15MHz | QPSK  | 26865 | 1RB#74 | -42.22 | PASS |
| Band26(824-849) | 15MHz | 16QAM | 26865 | 1RB#74 | -43.95 | PASS |
| Band26(824-849) | 15MHz | QPSK  | 26965 | 1RB#0  | -47.53 | PASS |
| Band26(824-849) | 15MHz | 16QAM | 26965 | 1RB#0  | -48.02 | PASS |
| Band26(824-849) | 15MHz | QPSK  | 26965 | 1RB#74 | -37.37 | PASS |
| Band26(824-849) | 15MHz | 16QAM | 26965 | 1RB#74 | -38.50 | PASS |
| Band26(824-849) | 15MHz | QPSK  | 26865 | 75RB#0 | -34.45 | PASS |
| Band26(824-849) | 15MHz | QPSK  | 26965 | 75RB#0 | -37.77 | PASS |

## Test Graphs



