

# FCC LTE Band Test Data

**FCC ID** : 2BKLE-ORION

**Company:** : Versa World Inc.

**EUT** : Body Worn Camera

**Model Number** : Orion

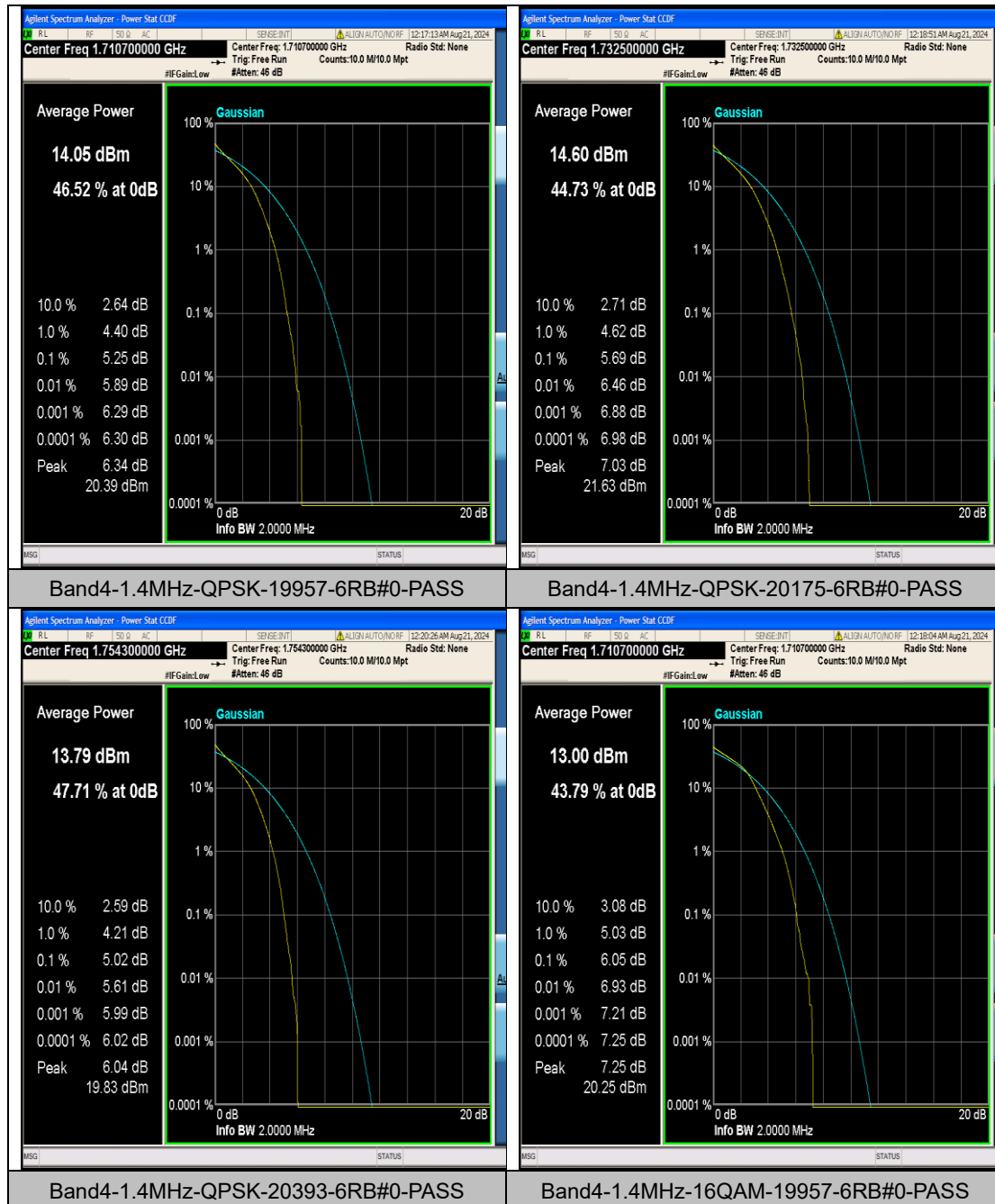
**Reviewed By** : Eric Wang

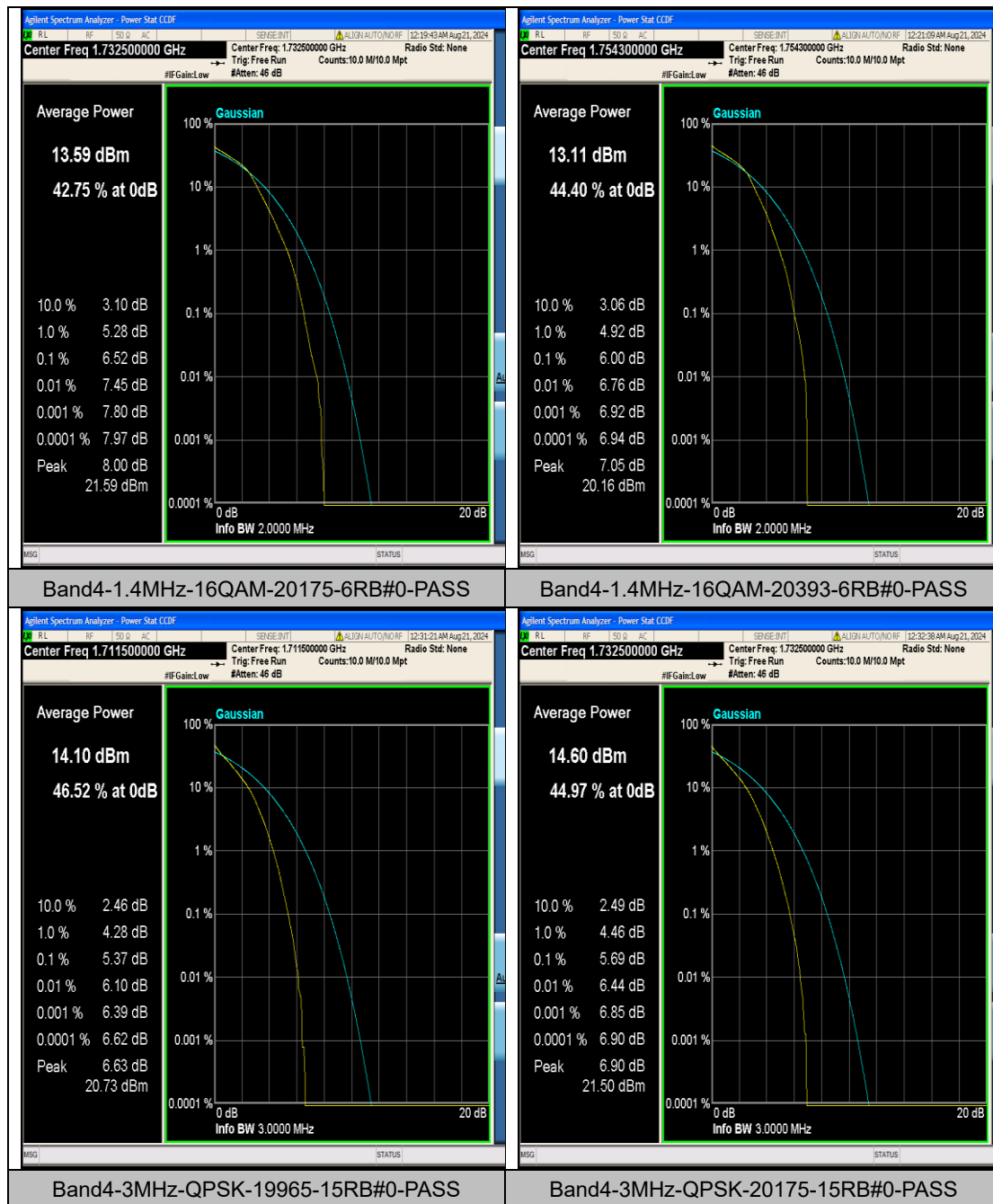
## Appendix B: Peak-to-Average Ratio(CCDF)

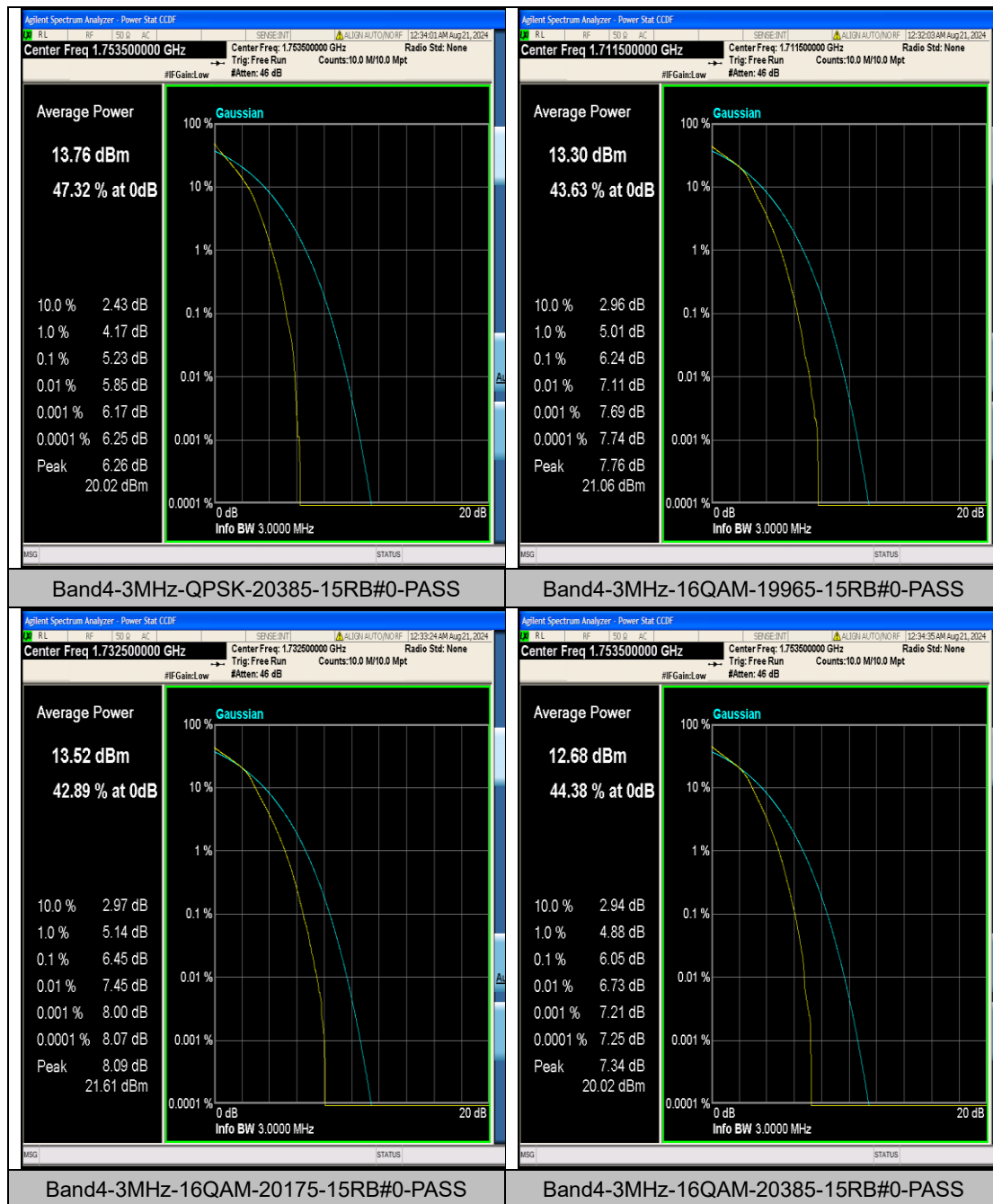
### Test Result

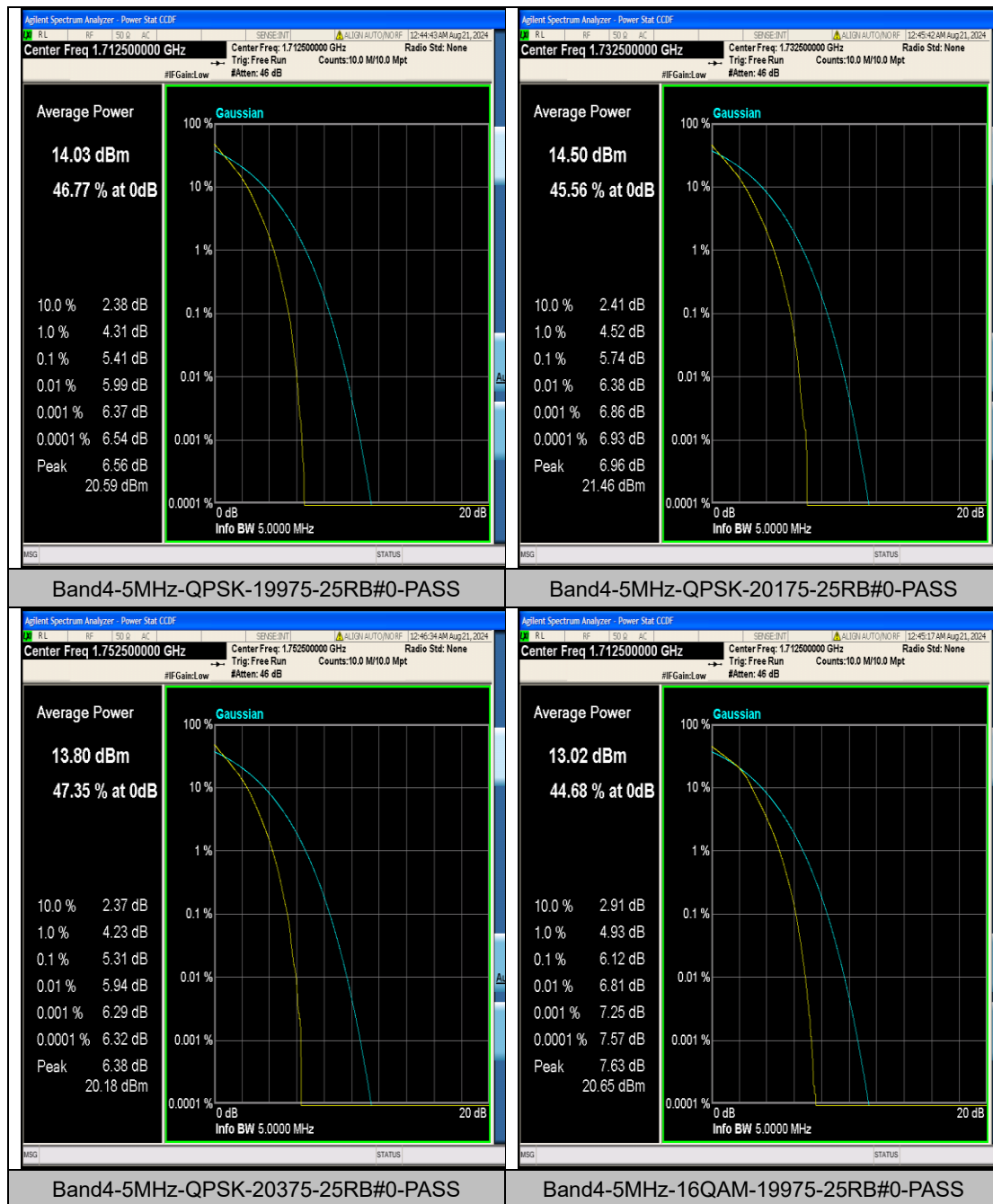
| Band  | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|-------|-----------|------------|---------|------------------|------------|-----------|---------|
| Band4 | 1.4MHz    | QPSK       | 19957   | 6RB#0            | 5.25       | 13        | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20175   | 6RB#0            | 5.69       | 13        | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20393   | 6RB#0            | 5.02       | 13        | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 19957   | 6RB#0            | 6.05       | 13        | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20175   | 6RB#0            | 6.52       | 13        | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20393   | 6RB#0            | 6.00       | 13        | PASS    |
| Band4 | 3MHz      | QPSK       | 19965   | 15RB#0           | 5.37       | 13        | PASS    |
| Band4 | 3MHz      | QPSK       | 20175   | 15RB#0           | 5.69       | 13        | PASS    |
| Band4 | 3MHz      | QPSK       | 20385   | 15RB#0           | 5.23       | 13        | PASS    |
| Band4 | 3MHz      | 16QAM      | 19965   | 15RB#0           | 6.24       | 13        | PASS    |
| Band4 | 3MHz      | 16QAM      | 20175   | 15RB#0           | 6.45       | 13        | PASS    |
| Band4 | 3MHz      | 16QAM      | 20385   | 15RB#0           | 6.05       | 13        | PASS    |
| Band4 | 5MHz      | QPSK       | 19975   | 25RB#0           | 5.41       | 13        | PASS    |
| Band4 | 5MHz      | QPSK       | 20175   | 25RB#0           | 5.74       | 13        | PASS    |
| Band4 | 5MHz      | QPSK       | 20375   | 25RB#0           | 5.31       | 13        | PASS    |
| Band4 | 5MHz      | 16QAM      | 19975   | 25RB#0           | 6.12       | 13        | PASS    |
| Band4 | 5MHz      | 16QAM      | 20175   | 25RB#0           | 6.42       | 13        | PASS    |
| Band4 | 5MHz      | 16QAM      | 20375   | 25RB#0           | 6.00       | 13        | PASS    |
| Band4 | 10MHz     | QPSK       | 20000   | 50RB#0           | 5.27       | 13        | PASS    |
| Band4 | 10MHz     | QPSK       | 20175   | 50RB#0           | 5.64       | 13        | PASS    |
| Band4 | 10MHz     | QPSK       | 20350   | 50RB#0           | 5.23       | 13        | PASS    |
| Band4 | 10MHz     | 16QAM      | 20000   | 50RB#0           | 6.06       | 13        | PASS    |
| Band4 | 10MHz     | 16QAM      | 20175   | 50RB#0           | 6.41       | 13        | PASS    |
| Band4 | 10MHz     | 16QAM      | 20350   | 50RB#0           | 5.97       | 13        | PASS    |
| Band4 | 15MHz     | QPSK       | 20025   | 75RB#0           | 5.49       | 13        | PASS    |
| Band4 | 15MHz     | QPSK       | 20175   | 75RB#0           | 5.86       | 13        | PASS    |
| Band4 | 15MHz     | QPSK       | 20325   | 75RB#0           | 5.47       | 13        | PASS    |
| Band4 | 15MHz     | 16QAM      | 20025   | 75RB#0           | 6.15       | 13        | PASS    |
| Band4 | 15MHz     | 16QAM      | 20175   | 75RB#0           | 6.40       | 13        | PASS    |
| Band4 | 15MHz     | 16QAM      | 20325   | 75RB#0           | 6.03       | 13        | PASS    |
| Band4 | 20MHz     | QPSK       | 20050   | 100RB#0          | 5.27       | 13        | PASS    |
| Band4 | 20MHz     | QPSK       | 20175   | 100RB#0          | 5.50       | 13        | PASS    |
| Band4 | 20MHz     | QPSK       | 20300   | 100RB#0          | 5.20       | 13        | PASS    |
| Band4 | 20MHz     | 16QAM      | 20050   | 100RB#0          | 6.13       | 13        | PASS    |
| Band4 | 20MHz     | 16QAM      | 20175   | 100RB#0          | 6.32       | 13        | PASS    |
| Band4 | 20MHz     | 16QAM      | 20300   | 100RB#0          | 6.00       | 13        | PASS    |

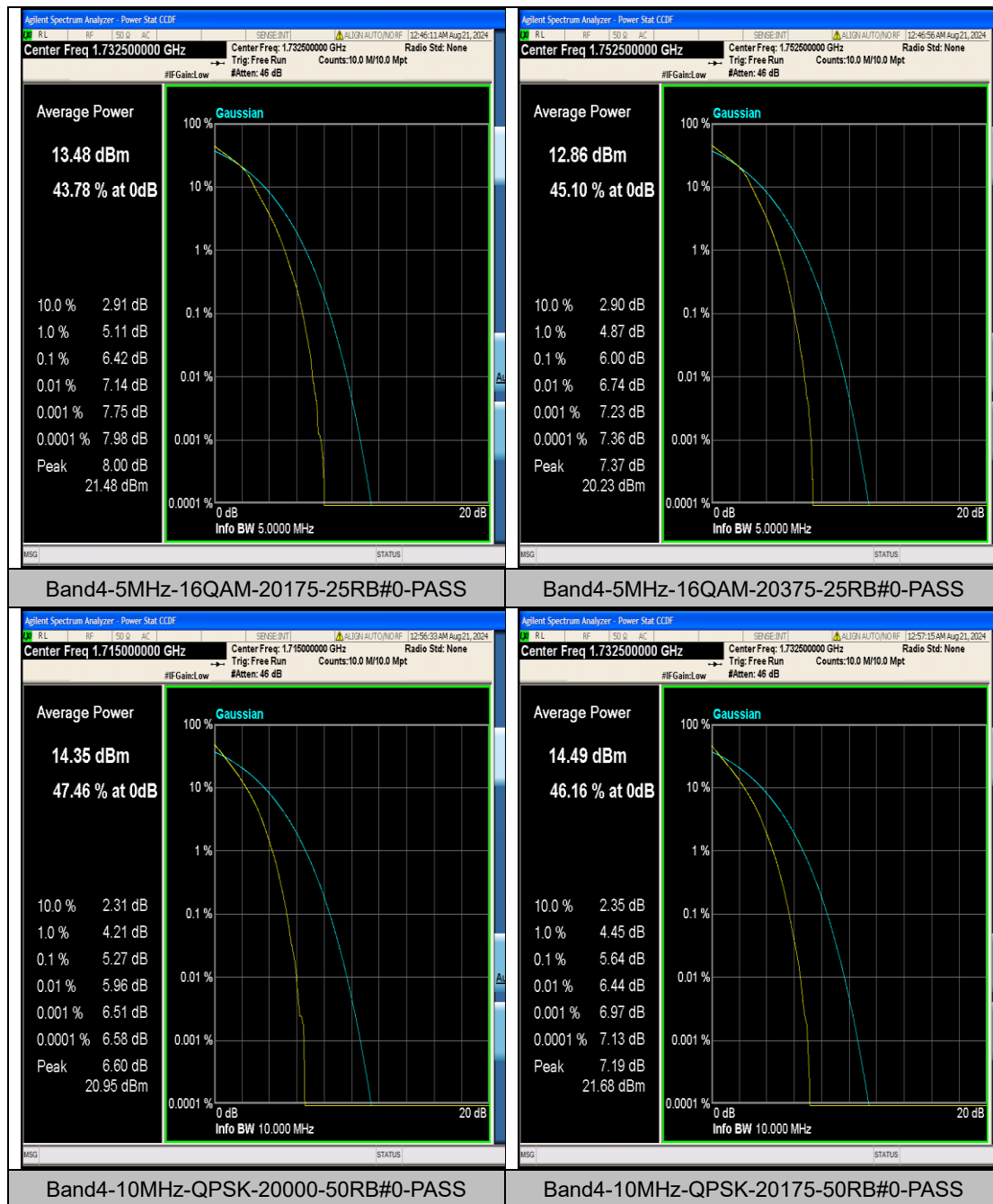
## Test Graphs

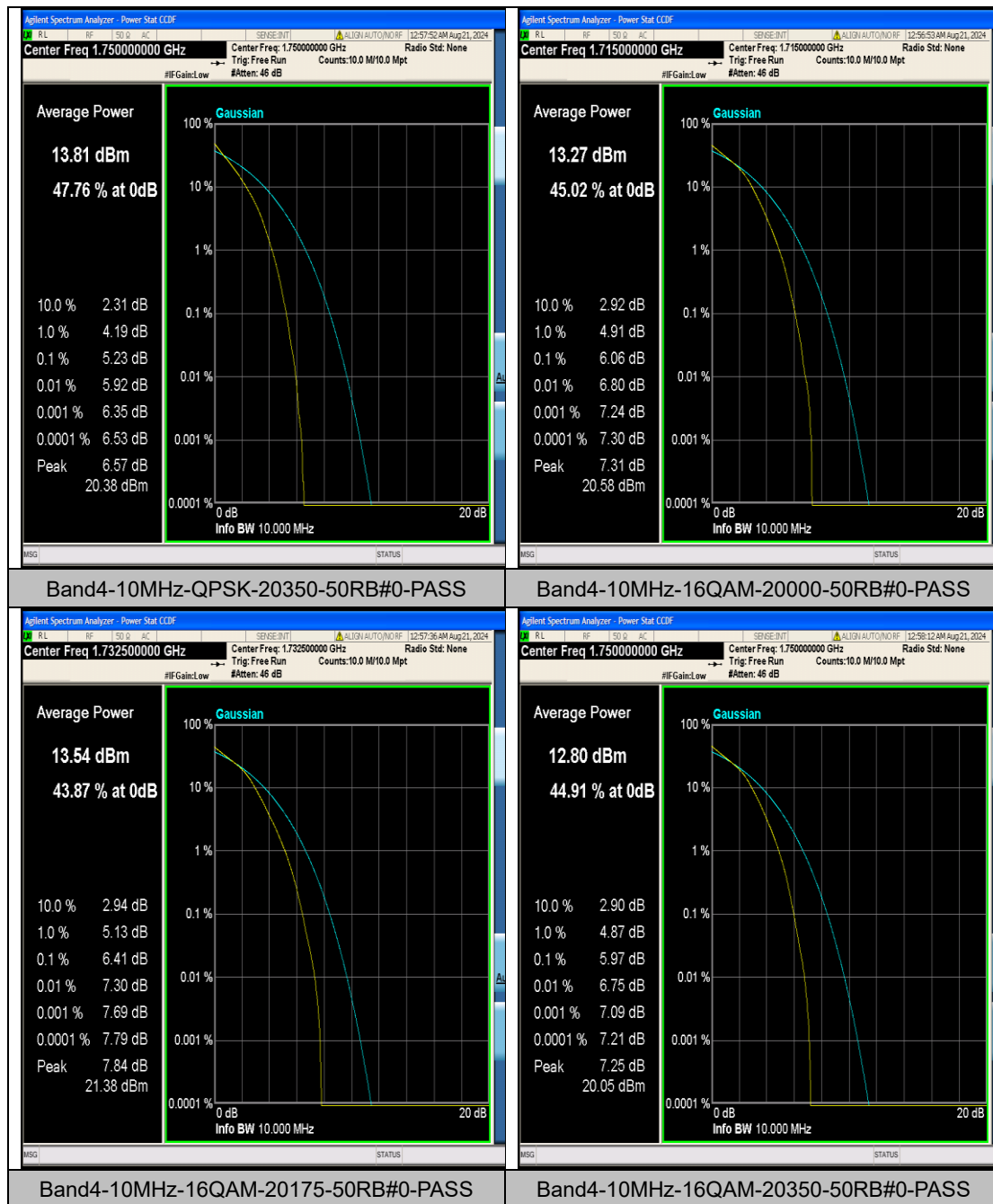


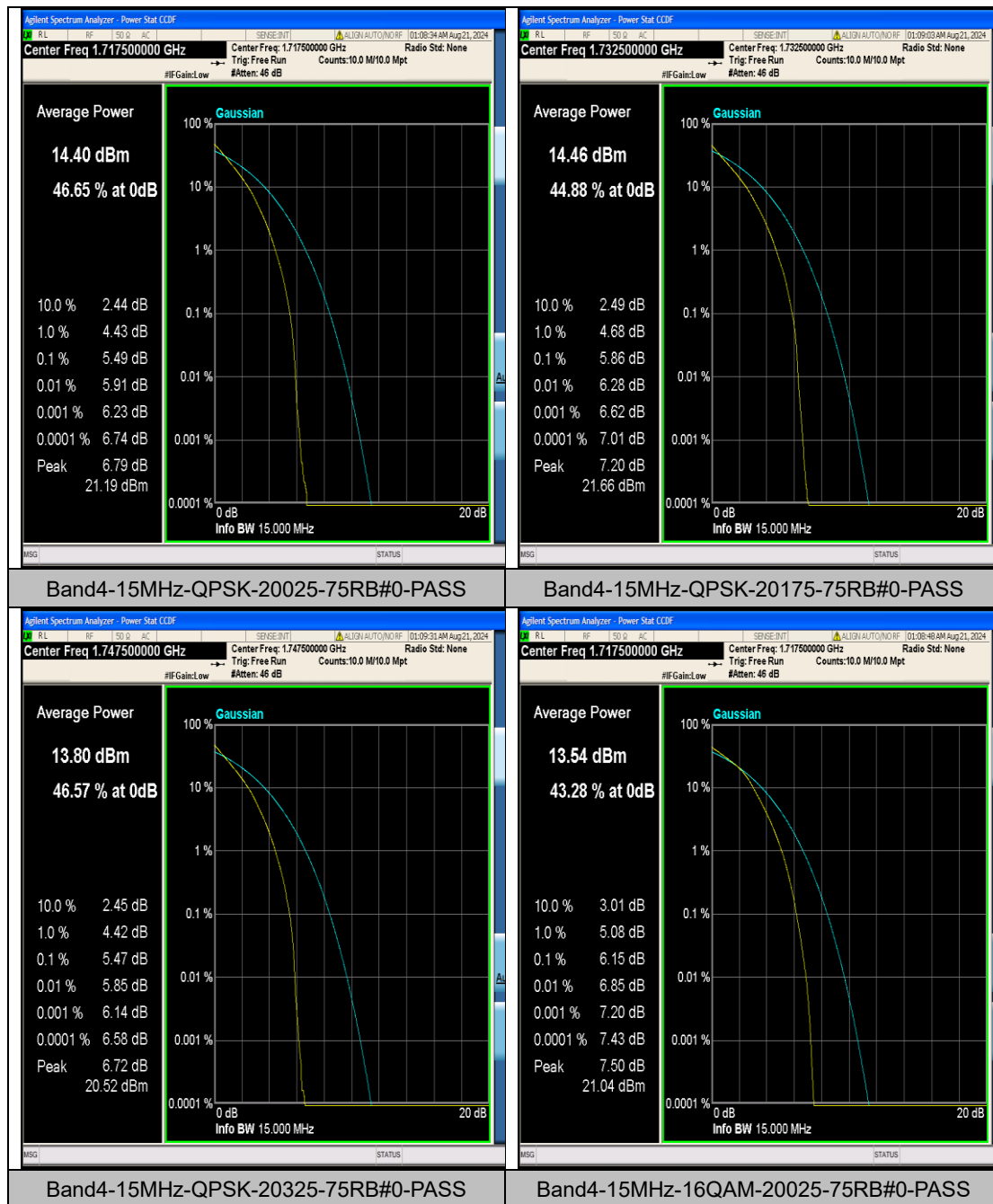


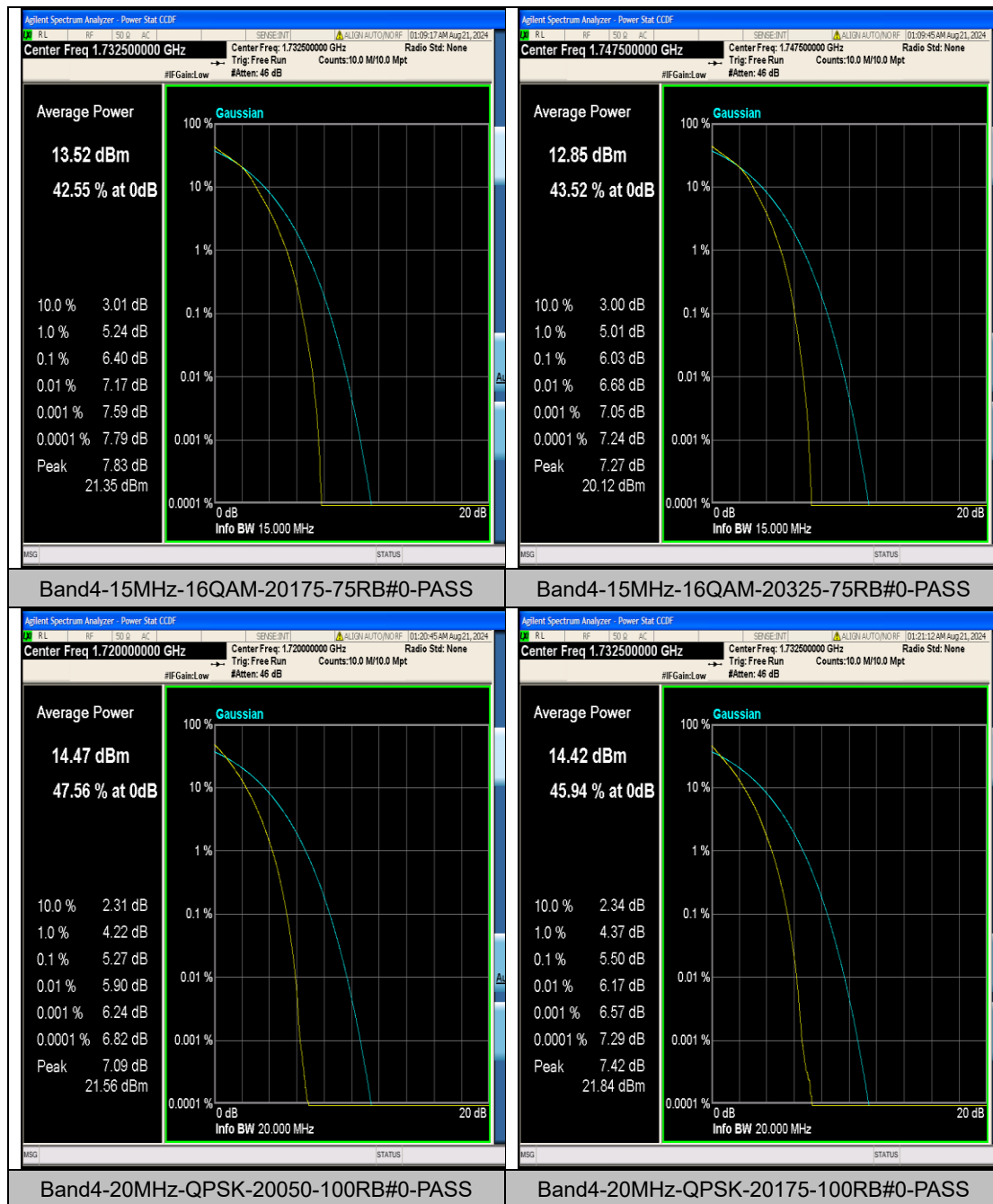


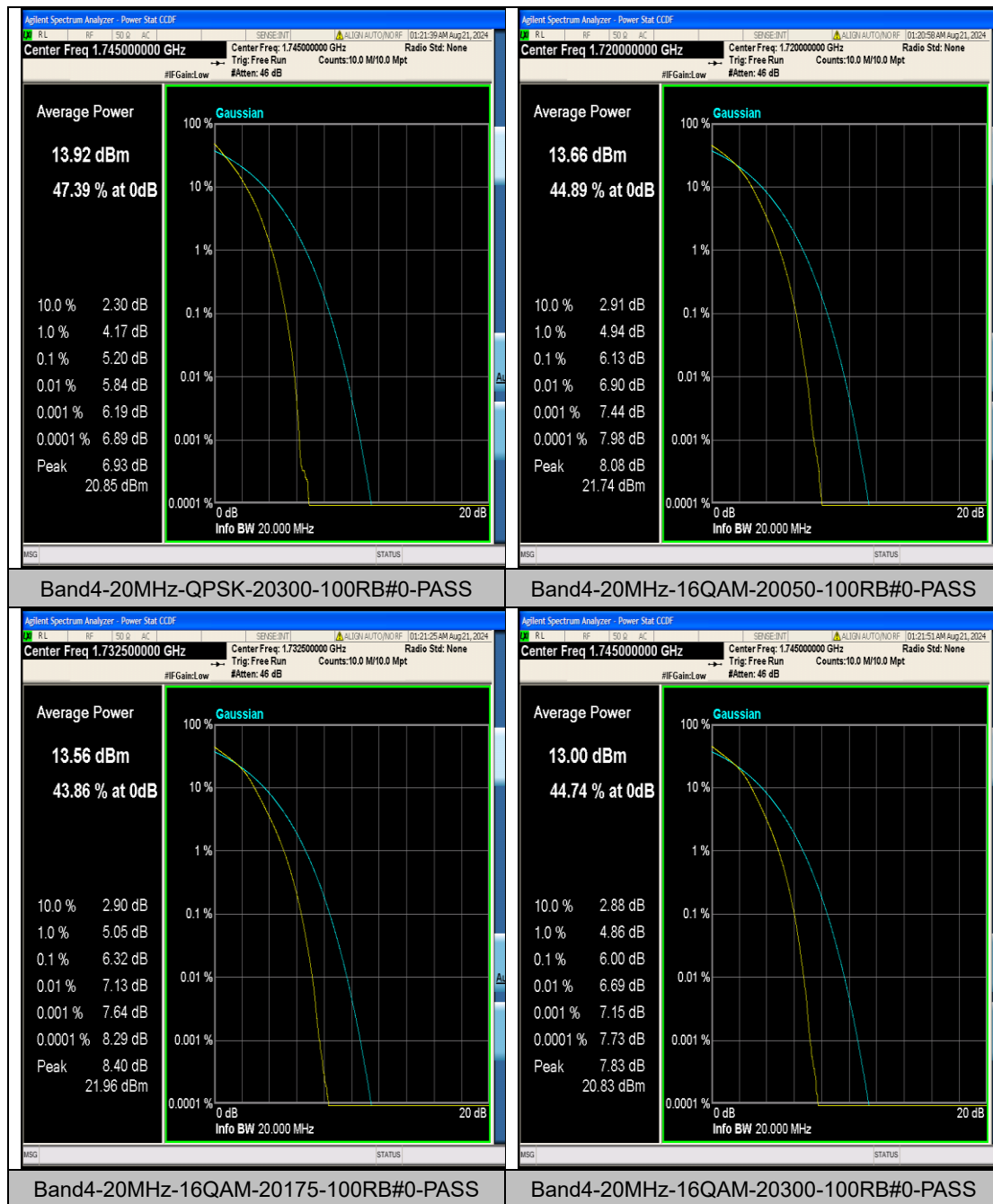












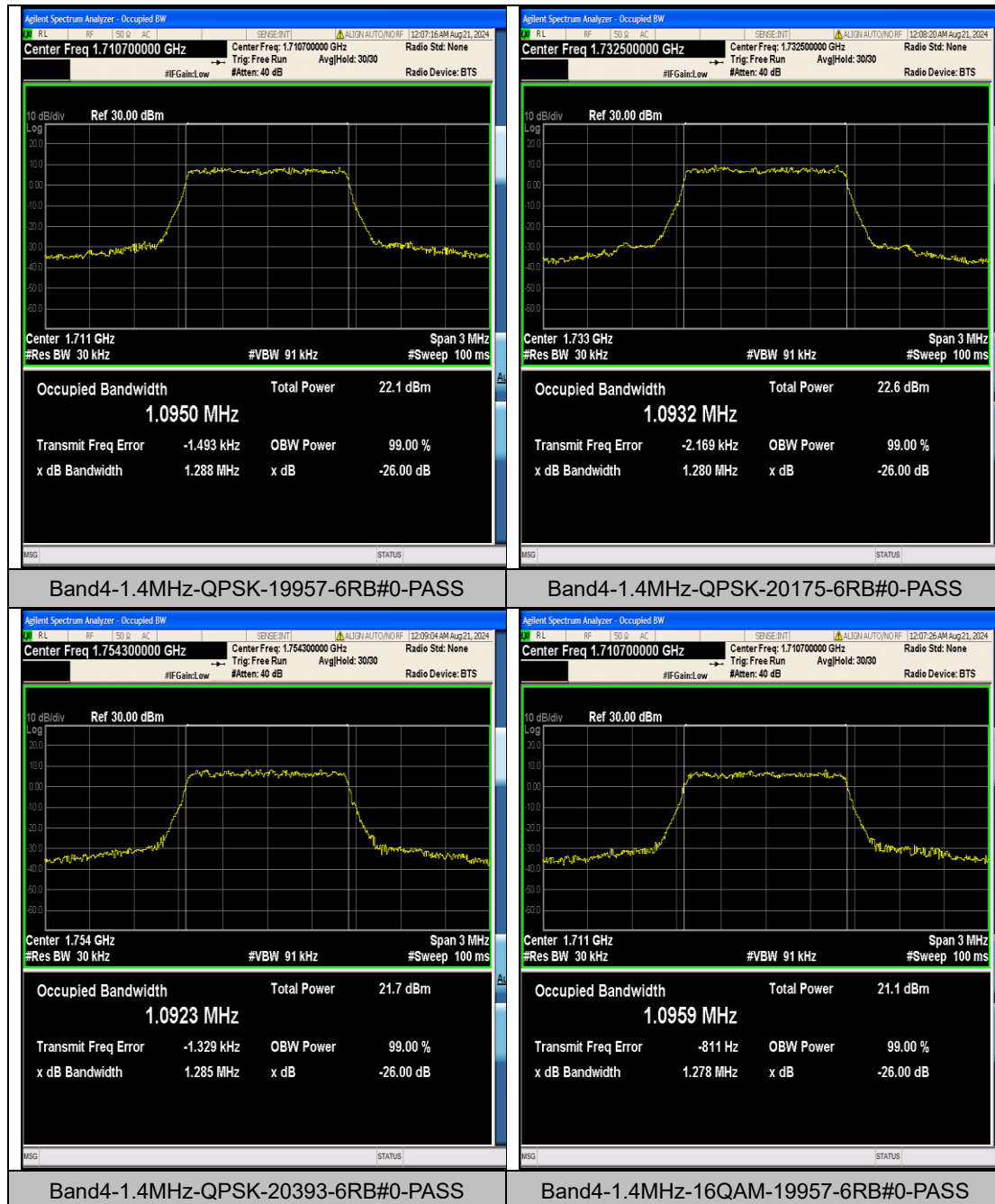
## Appendix C: 26dB Bandwidth and Occupied Bandwidth

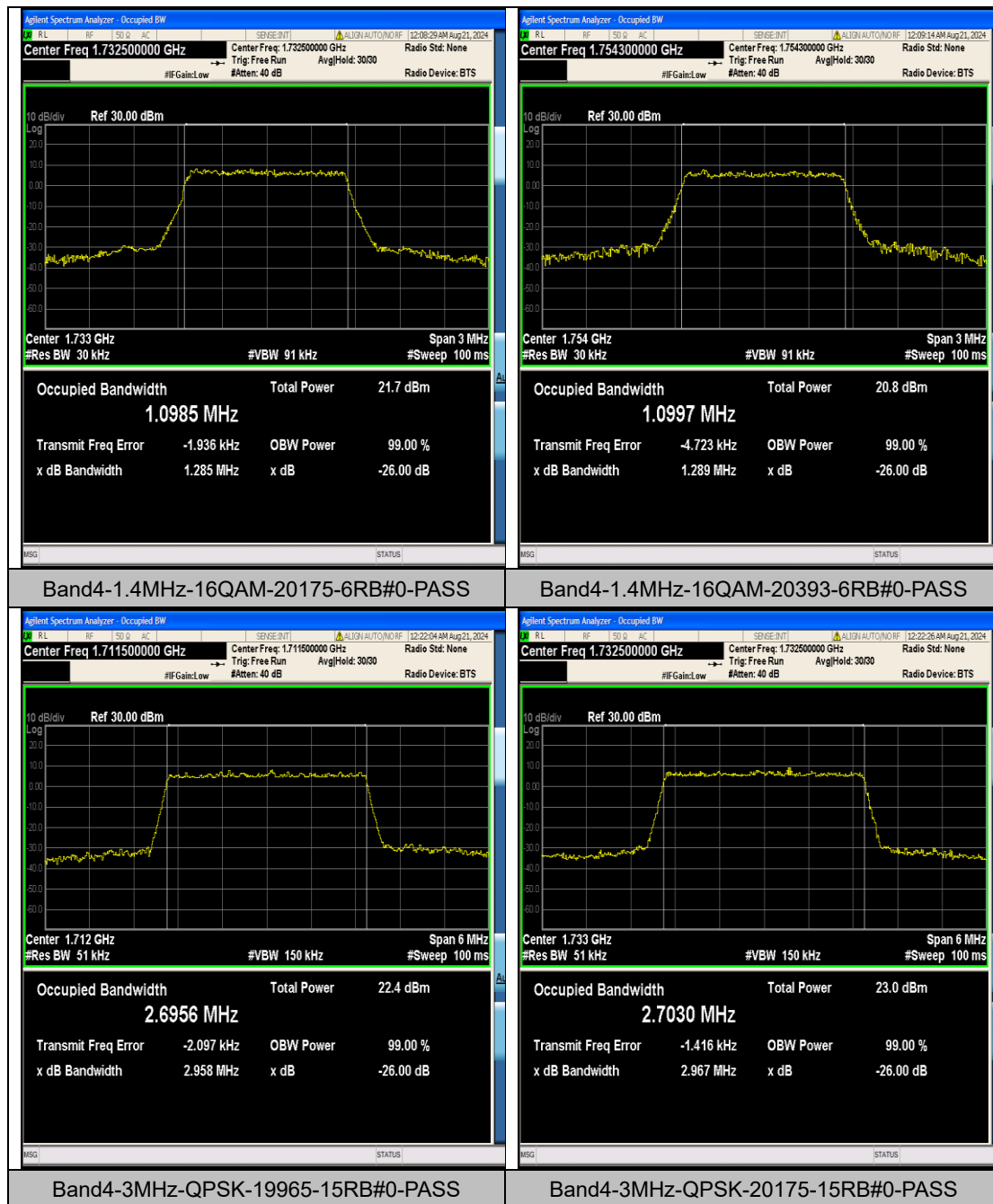
### Test Result

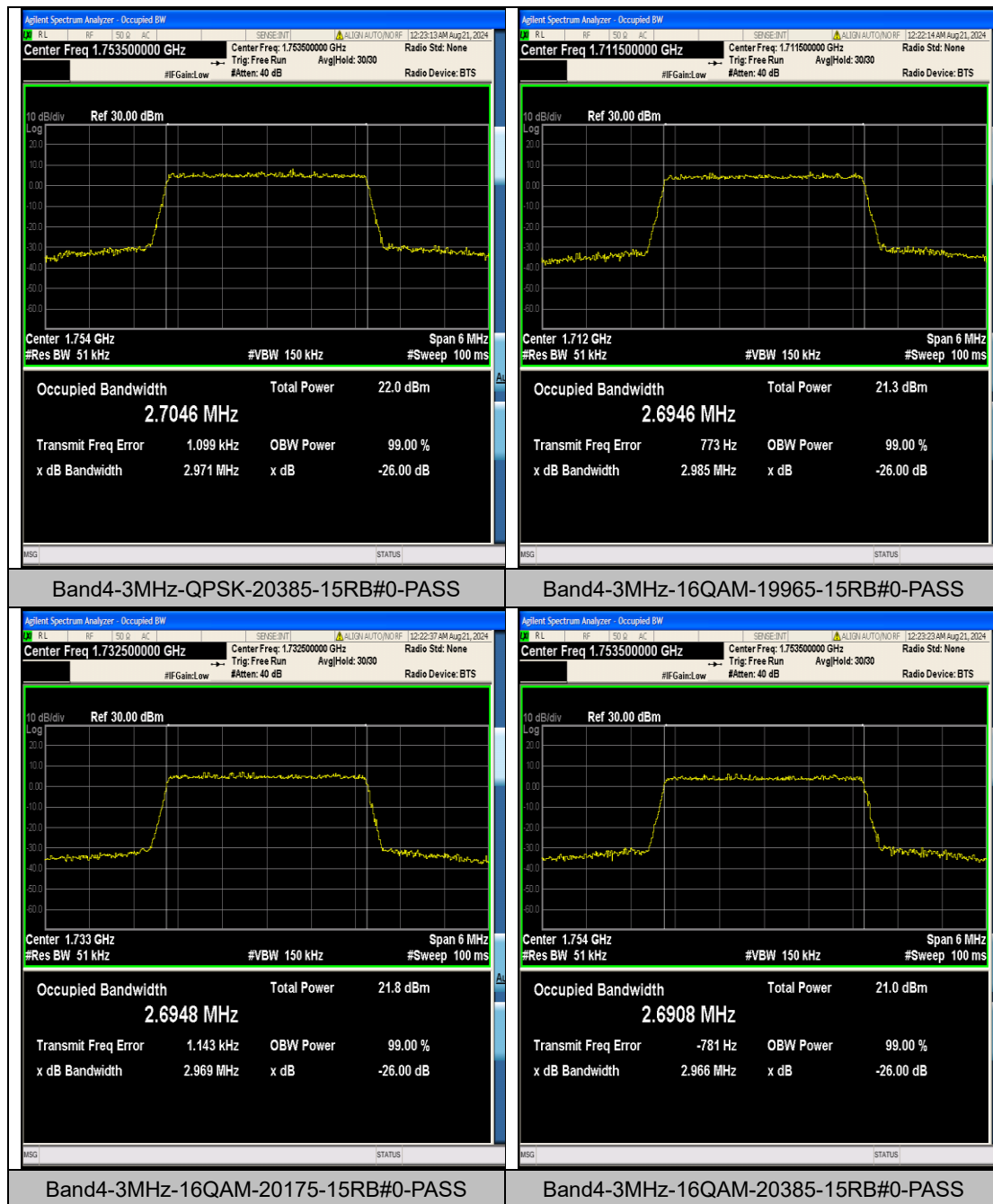
| Band  | Bandwidth | Modulation | Channel | RB Configuration | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|-------|-----------|------------|---------|------------------|--------------------------|----------------------|---------|
| Band4 | 1.4MHz    | QPSK       | 19957   | 6RB#0            | 1.0950                   | 1.288                | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20175   | 6RB#0            | 1.0932                   | 1.280                | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20393   | 6RB#0            | 1.0923                   | 1.285                | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 19957   | 6RB#0            | 1.0959                   | 1.278                | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20175   | 6RB#0            | 1.0985                   | 1.285                | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20393   | 6RB#0            | 1.0997                   | 1.289                | PASS    |
| Band4 | 3MHz      | QPSK       | 19965   | 15RB#0           | 2.6956                   | 2.958                | PASS    |
| Band4 | 3MHz      | QPSK       | 20175   | 15RB#0           | 2.7030                   | 2.967                | PASS    |
| Band4 | 3MHz      | QPSK       | 20385   | 15RB#0           | 2.7046                   | 2.971                | PASS    |
| Band4 | 3MHz      | 16QAM      | 19965   | 15RB#0           | 2.6946                   | 2.985                | PASS    |
| Band4 | 3MHz      | 16QAM      | 20175   | 15RB#0           | 2.6948                   | 2.969                | PASS    |
| Band4 | 3MHz      | 16QAM      | 20385   | 15RB#0           | 2.6908                   | 2.966                | PASS    |
| Band4 | 5MHz      | QPSK       | 19975   | 25RB#0           | 4.5085                   | 5.002                | PASS    |
| Band4 | 5MHz      | QPSK       | 20175   | 25RB#0           | 4.5063                   | 5.031                | PASS    |
| Band4 | 5MHz      | QPSK       | 20375   | 25RB#0           | 4.5083                   | 4.999                | PASS    |
| Band4 | 5MHz      | 16QAM      | 19975   | 25RB#0           | 4.4986                   | 4.982                | PASS    |
| Band4 | 5MHz      | 16QAM      | 20175   | 25RB#0           | 4.4993                   | 4.974                | PASS    |
| Band4 | 5MHz      | 16QAM      | 20375   | 25RB#0           | 4.5000                   | 4.977                | PASS    |
| Band4 | 10MHz     | QPSK       | 20000   | 50RB#0           | 8.9733                   | 9.883                | PASS    |
| Band4 | 10MHz     | QPSK       | 20175   | 50RB#0           | 8.9950                   | 9.920                | PASS    |
| Band4 | 10MHz     | QPSK       | 20350   | 50RB#0           | 8.9755                   | 9.904                | PASS    |
| Band4 | 10MHz     | 16QAM      | 20000   | 50RB#0           | 8.9625                   | 9.841                | PASS    |
| Band4 | 10MHz     | 16QAM      | 20175   | 50RB#0           | 8.9722                   | 9.824                | PASS    |
| Band4 | 10MHz     | 16QAM      | 20350   | 50RB#0           | 8.9761                   | 9.868                | PASS    |
| Band4 | 15MHz     | QPSK       | 20025   | 75RB#0           | 13.390                   | 14.67                | PASS    |
| Band4 | 15MHz     | QPSK       | 20175   | 75RB#0           | 13.453                   | 14.85                | PASS    |
| Band4 | 15MHz     | QPSK       | 20325   | 75RB#0           | 13.394                   | 14.58                | PASS    |
| Band4 | 15MHz     | 16QAM      | 20025   | 75RB#0           | 13.403                   | 14.61                | PASS    |
| Band4 | 15MHz     | 16QAM      | 20175   | 75RB#0           | 13.449                   | 14.67                | PASS    |
| Band4 | 15MHz     | 16QAM      | 20325   | 75RB#0           | 13.427                   | 14.67                | PASS    |
| Band4 | 20MHz     | QPSK       | 20050   | 100RB#0          | 17.846                   | 19.47                | PASS    |
| Band4 | 20MHz     | QPSK       | 20175   | 100RB#0          | 17.930                   | 19.47                | PASS    |
| Band4 | 20MHz     | QPSK       | 20300   | 100RB#0          | 17.909                   | 19.62                | PASS    |
| Band4 | 20MHz     | 16QAM      | 20050   | 100RB#0          | 17.835                   | 19.32                | PASS    |

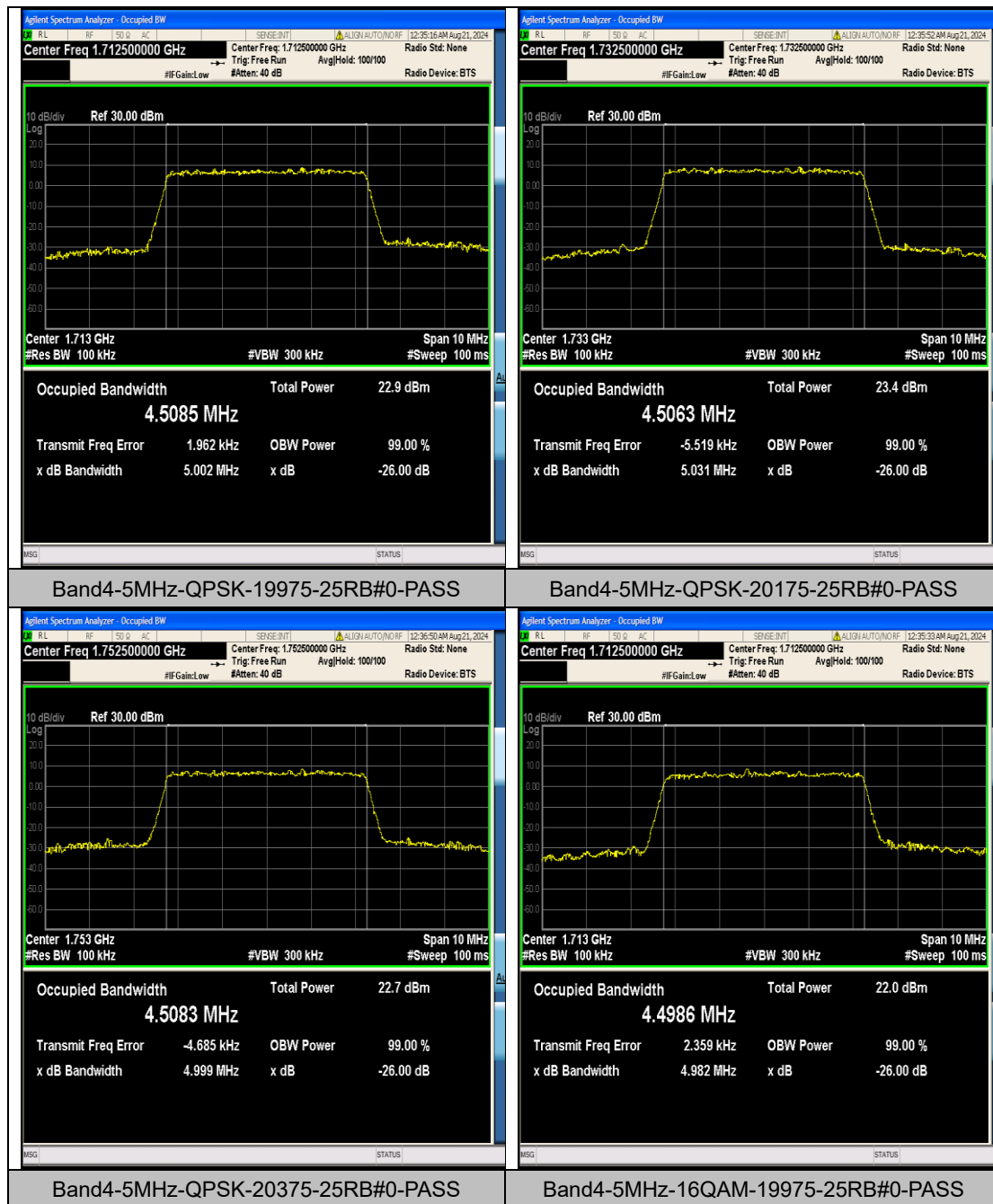
|       |       |       |       |         |        |       |      |
|-------|-------|-------|-------|---------|--------|-------|------|
| Band4 | 20MHz | 16QAM | 20175 | 100RB#0 | 17.950 | 19.48 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 100RB#0 | 17.913 | 19.42 | PASS |

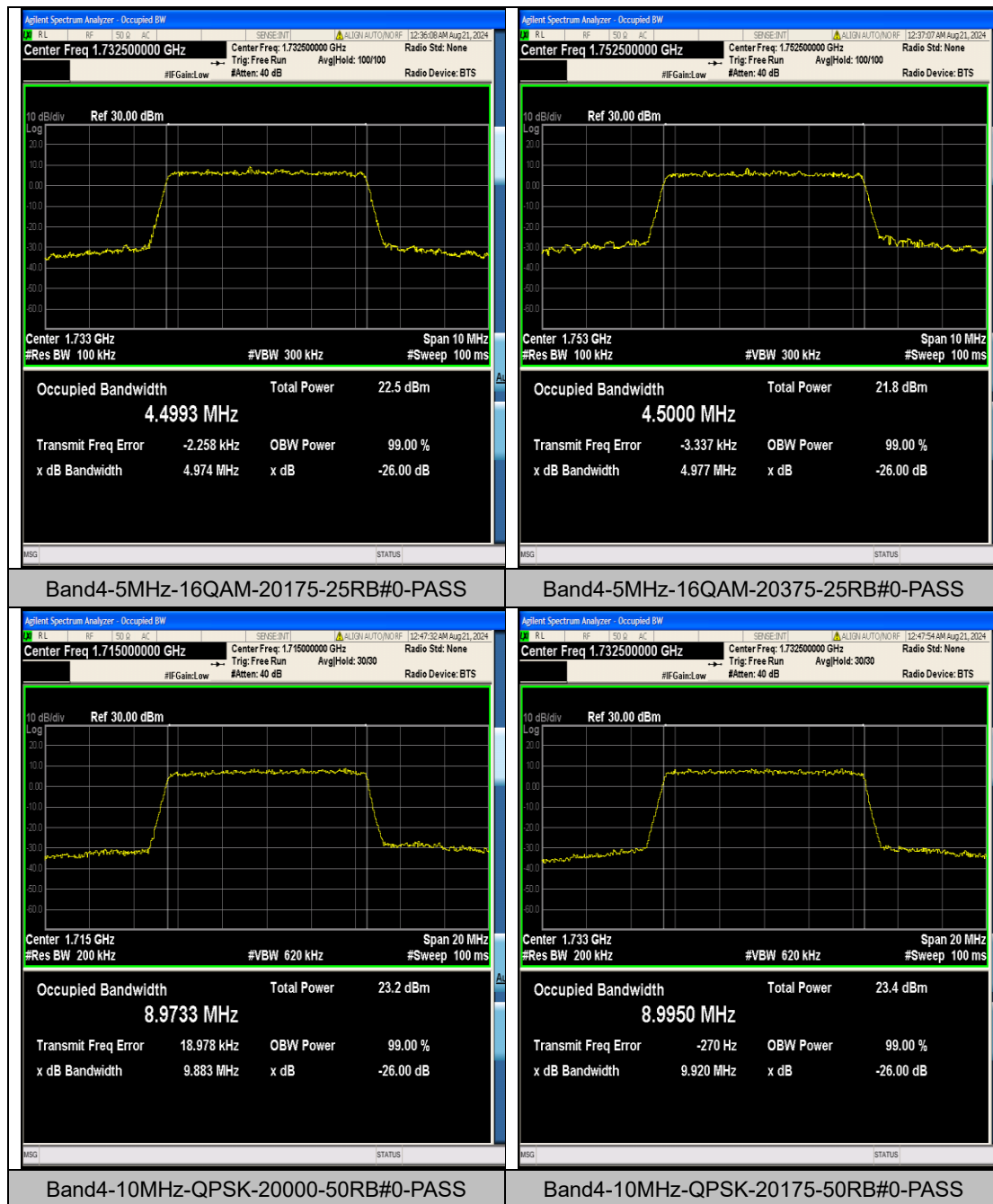
## Test Graphs

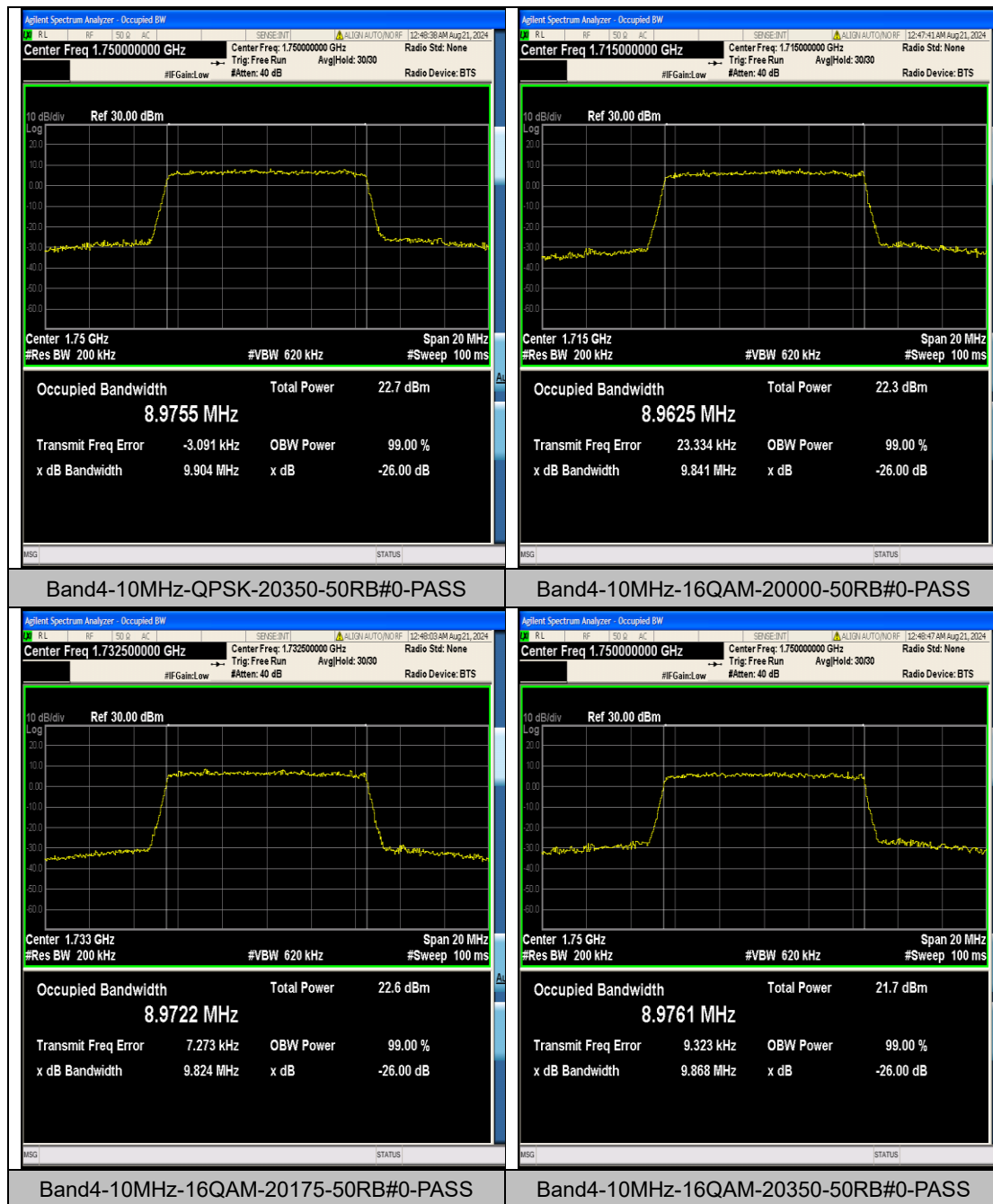


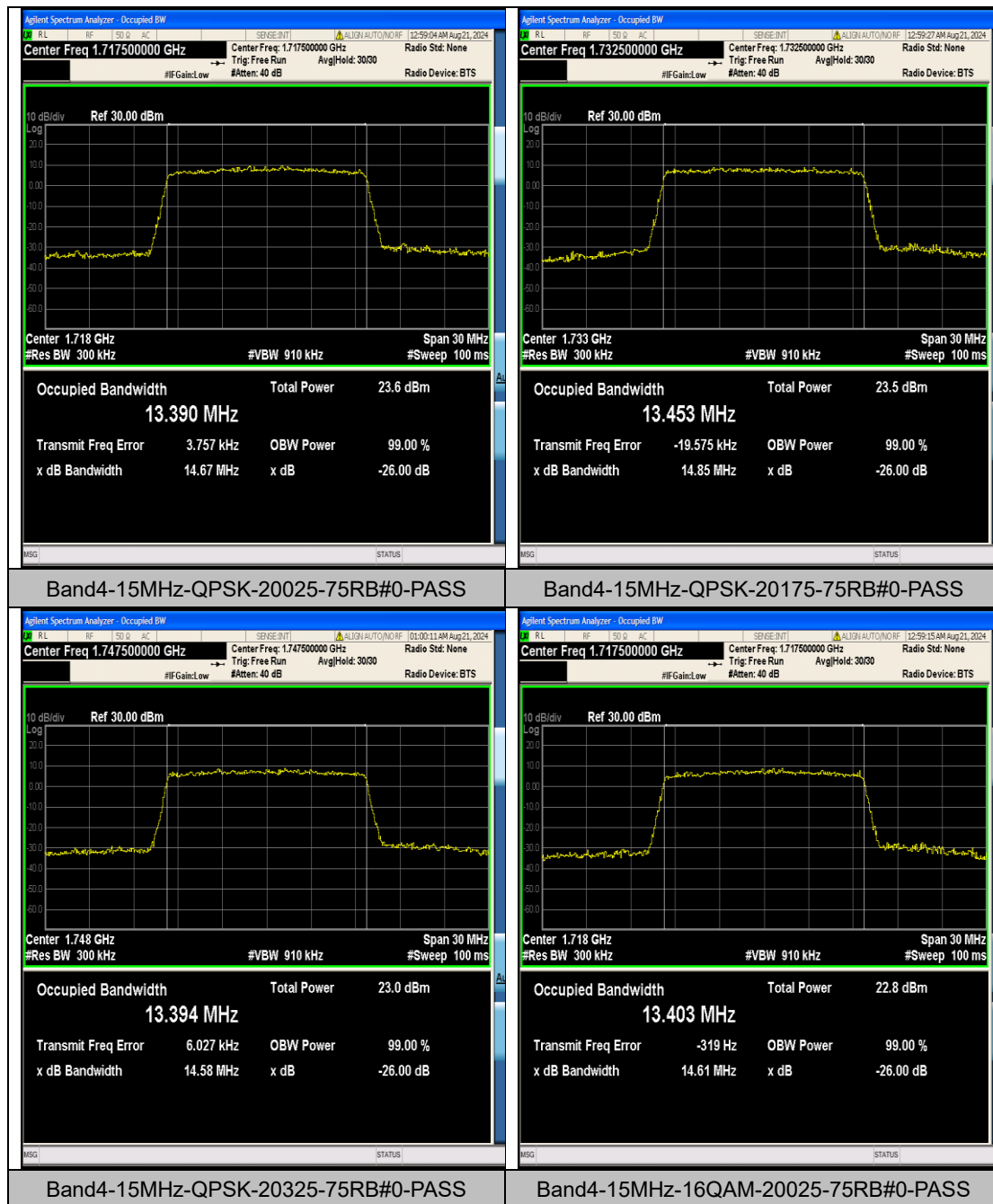


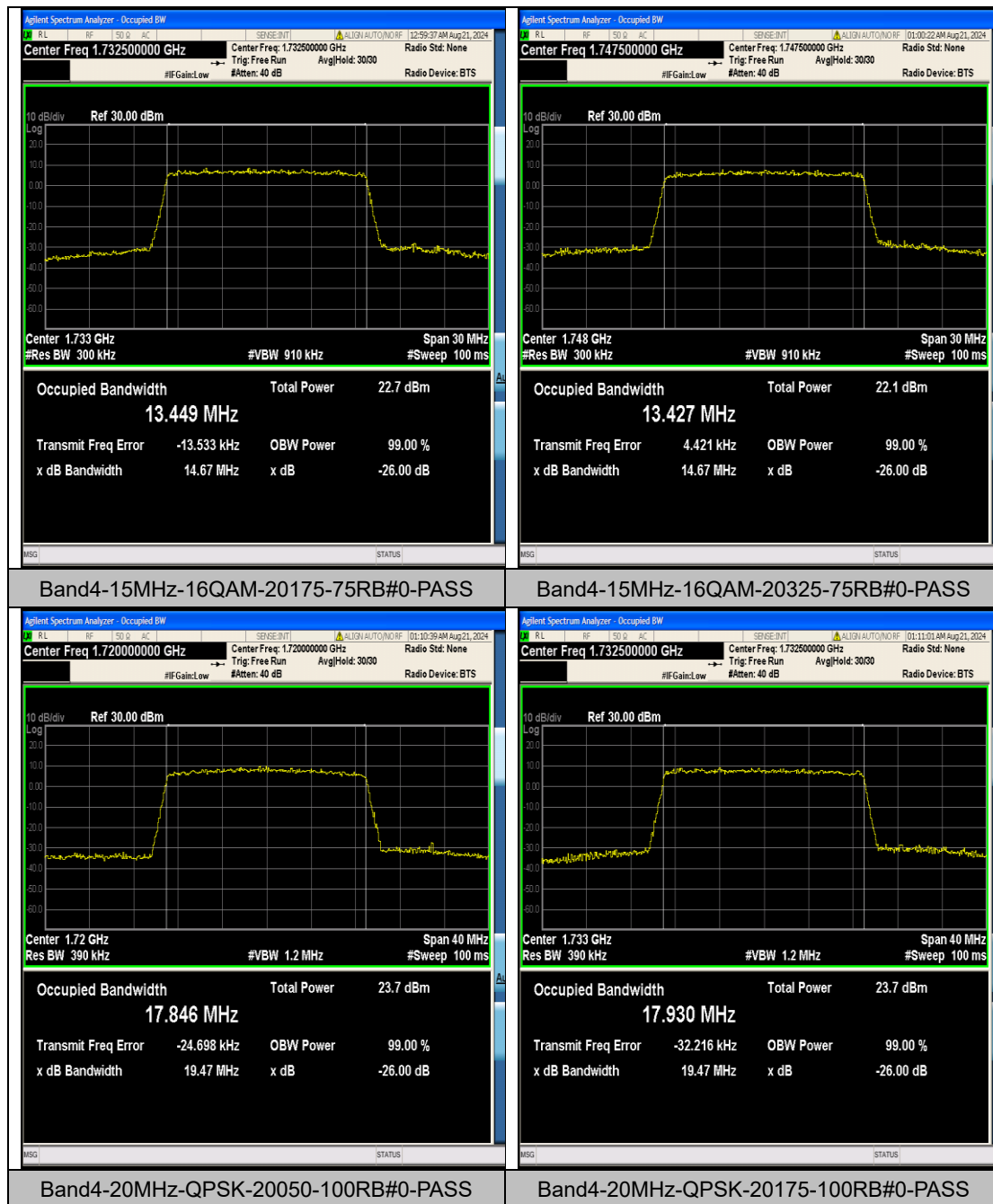


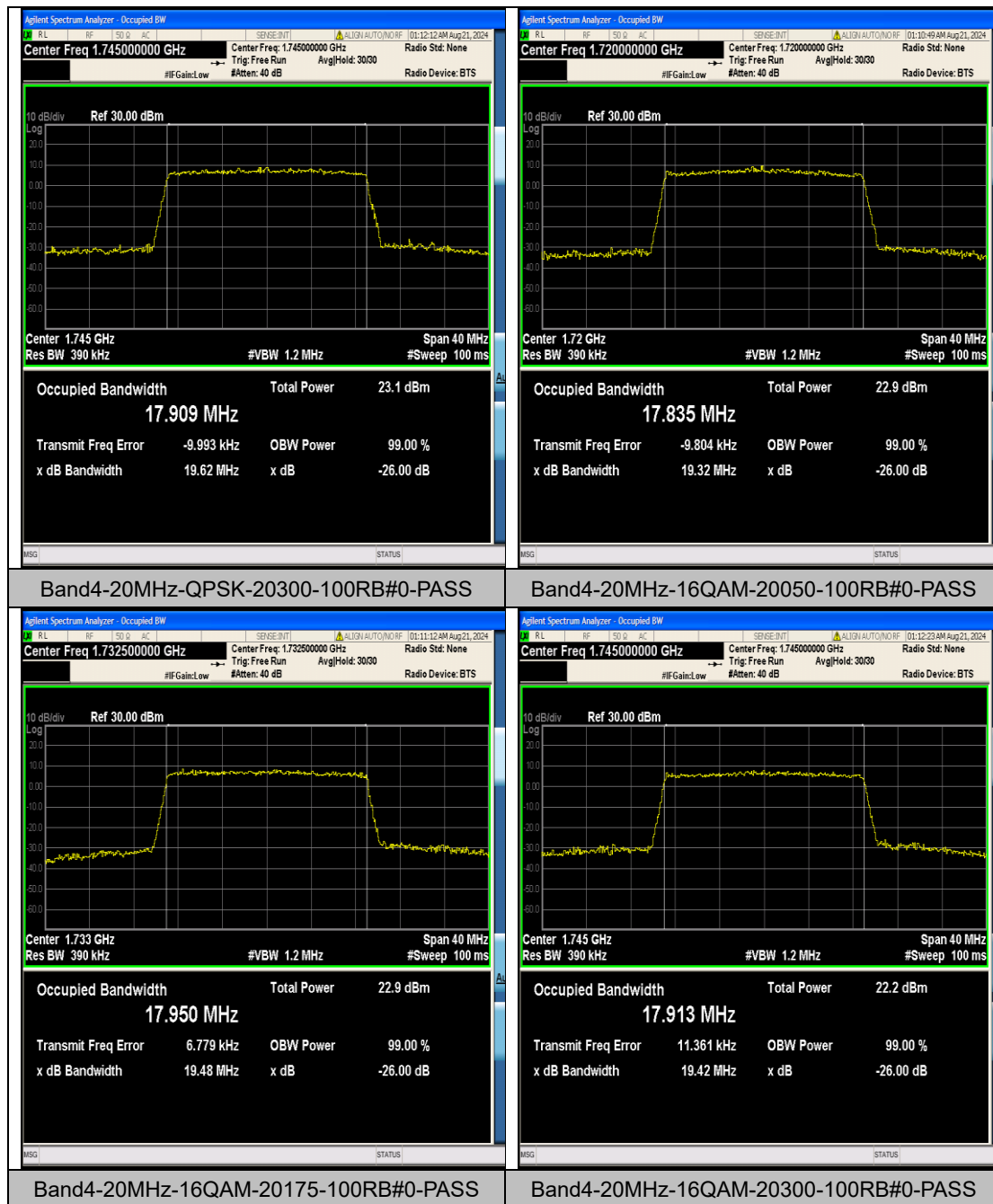












## Appendix D: Band Edge

### Test Result

| Band  | Bandwidth | Modulation | Channel | RB Configuration | Result(dBm) | Verdict |
|-------|-----------|------------|---------|------------------|-------------|---------|
| Band4 | 1.4MHz    | QPSK       | 19957   | 6RB#0            | -35.85      | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20393   | 6RB#0            | -37.50      | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 19957   | 6RB#0            | -36.33      | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20393   | 6RB#0            | -39.23      | PASS    |
| Band4 | 3MHz      | QPSK       | 19965   | 15RB#0           | -35.95      | PASS    |
| Band4 | 3MHz      | QPSK       | 20385   | 15RB#0           | -35.61      | PASS    |
| Band4 | 3MHz      | 16QAM      | 19965   | 15RB#0           | -36.03      | PASS    |
| Band4 | 3MHz      | 16QAM      | 20385   | 15RB#0           | -38.45      | PASS    |
| Band4 | 5MHz      | QPSK       | 19975   | 25RB#0           | -37.42      | PASS    |
| Band4 | 5MHz      | QPSK       | 20375   | 25RB#0           | -33.78      | PASS    |
| Band4 | 5MHz      | 16QAM      | 19975   | 25RB#0           | -37.32      | PASS    |
| Band4 | 5MHz      | 16QAM      | 20375   | 25RB#0           | -37.52      | PASS    |
| Band4 | 10MHz     | QPSK       | 20000   | 50RB#0           | -40.25      | PASS    |
| Band4 | 10MHz     | QPSK       | 20350   | 50RB#0           | -37.70      | PASS    |
| Band4 | 10MHz     | 16QAM      | 20000   | 50RB#0           | -40.18      | PASS    |
| Band4 | 10MHz     | 16QAM      | 20350   | 50RB#0           | -40.01      | PASS    |
| Band4 | 15MHz     | QPSK       | 20025   | 75RB#0           | -41.81      | PASS    |
| Band4 | 15MHz     | QPSK       | 20325   | 75RB#0           | -36.99      | PASS    |
| Band4 | 15MHz     | 16QAM      | 20025   | 75RB#0           | -41.38      | PASS    |
| Band4 | 15MHz     | 16QAM      | 20325   | 75RB#0           | -39.91      | PASS    |
| Band4 | 20MHz     | QPSK       | 20050   | 100RB#0          | -43.82      | PASS    |
| Band4 | 20MHz     | QPSK       | 20300   | 100RB#0          | -39.74      | PASS    |
| Band4 | 20MHz     | 16QAM      | 20050   | 100RB#0          | -42.63      | PASS    |
| Band4 | 20MHz     | 16QAM      | 20300   | 100RB#0          | -41.17      | PASS    |

## Test Graphs

