

## **Appendix RF Test Data for LTE Band 66**

**Company:** : SIMFINITY COMPANY LIMITED

**EUT** : MIFI

**Model Number** : U6

**FCC ID** : 2BSRS-U6

**Report No.** : CTA25100901311

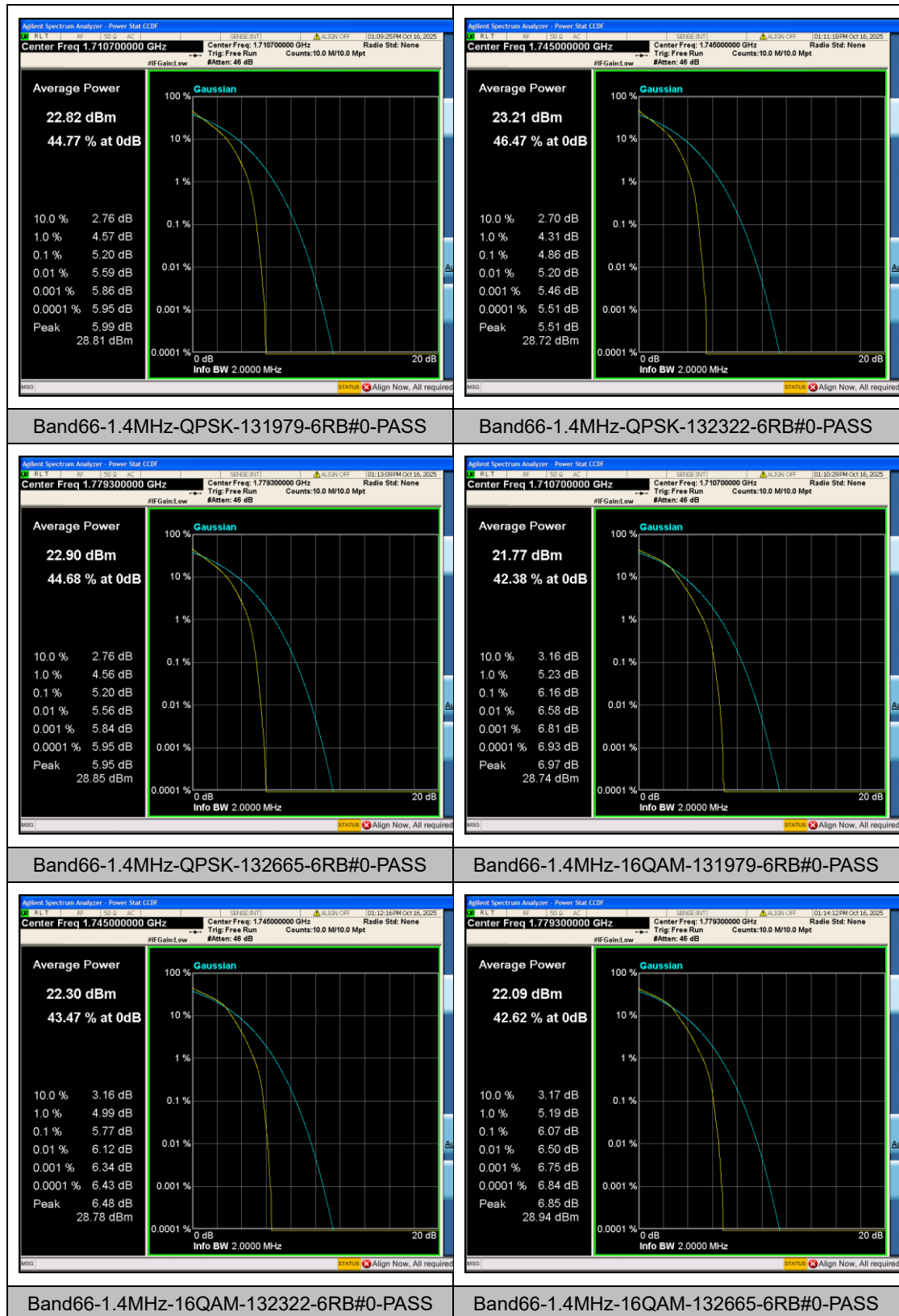
**Reviewed By** : Eric Wang

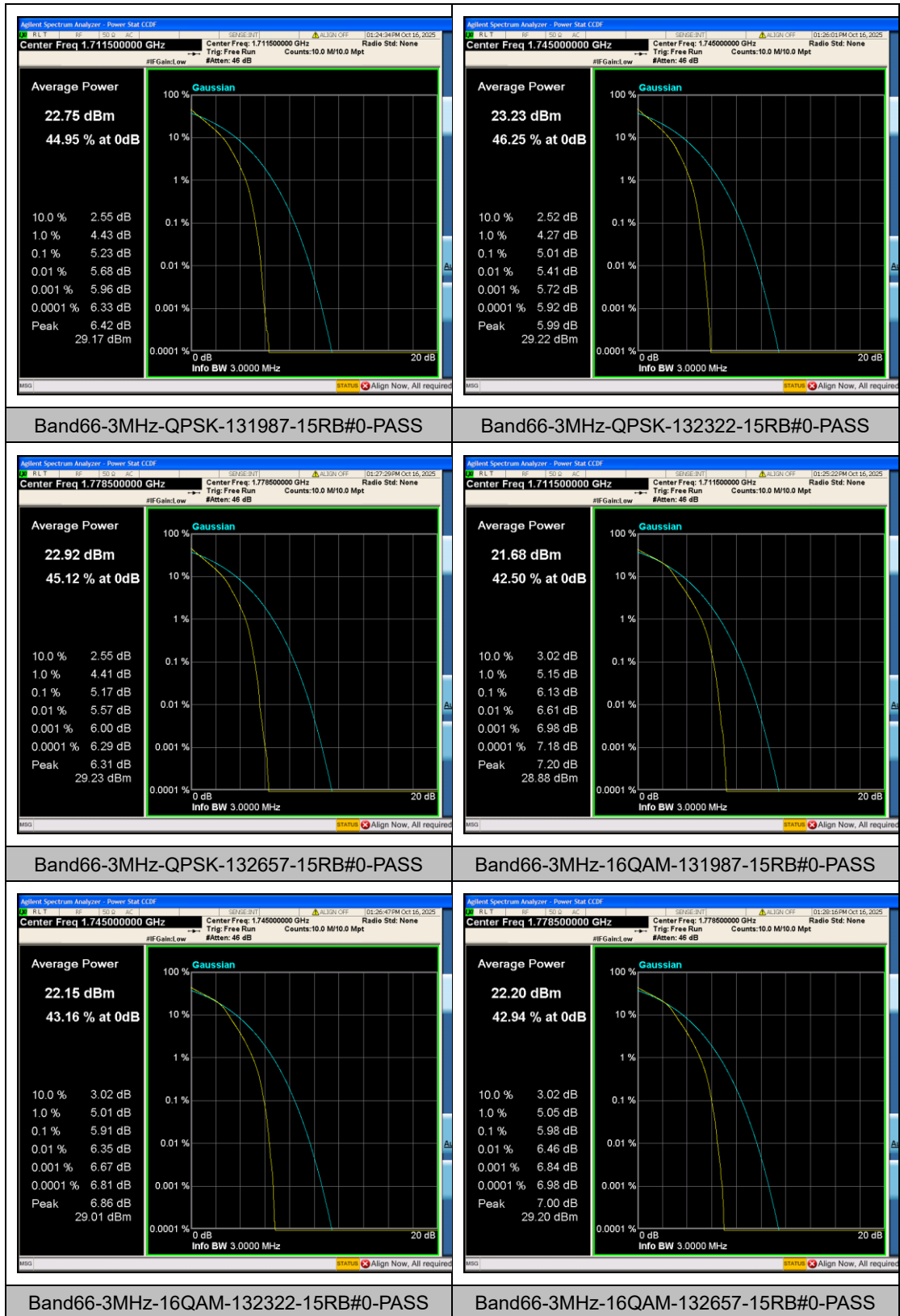
## Appendix B: Peak-to-Average Ratio(CCDF)

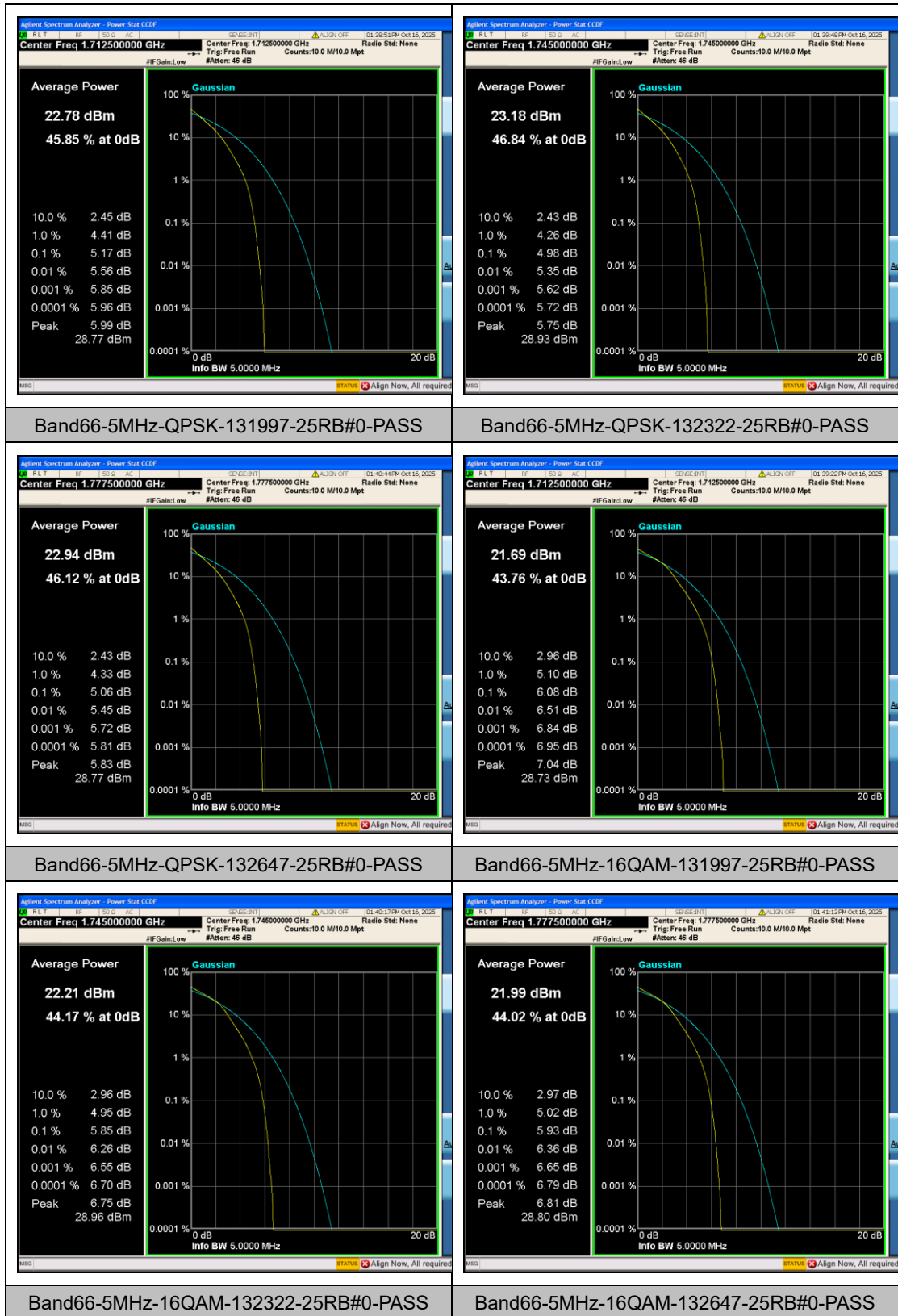
### Test Result

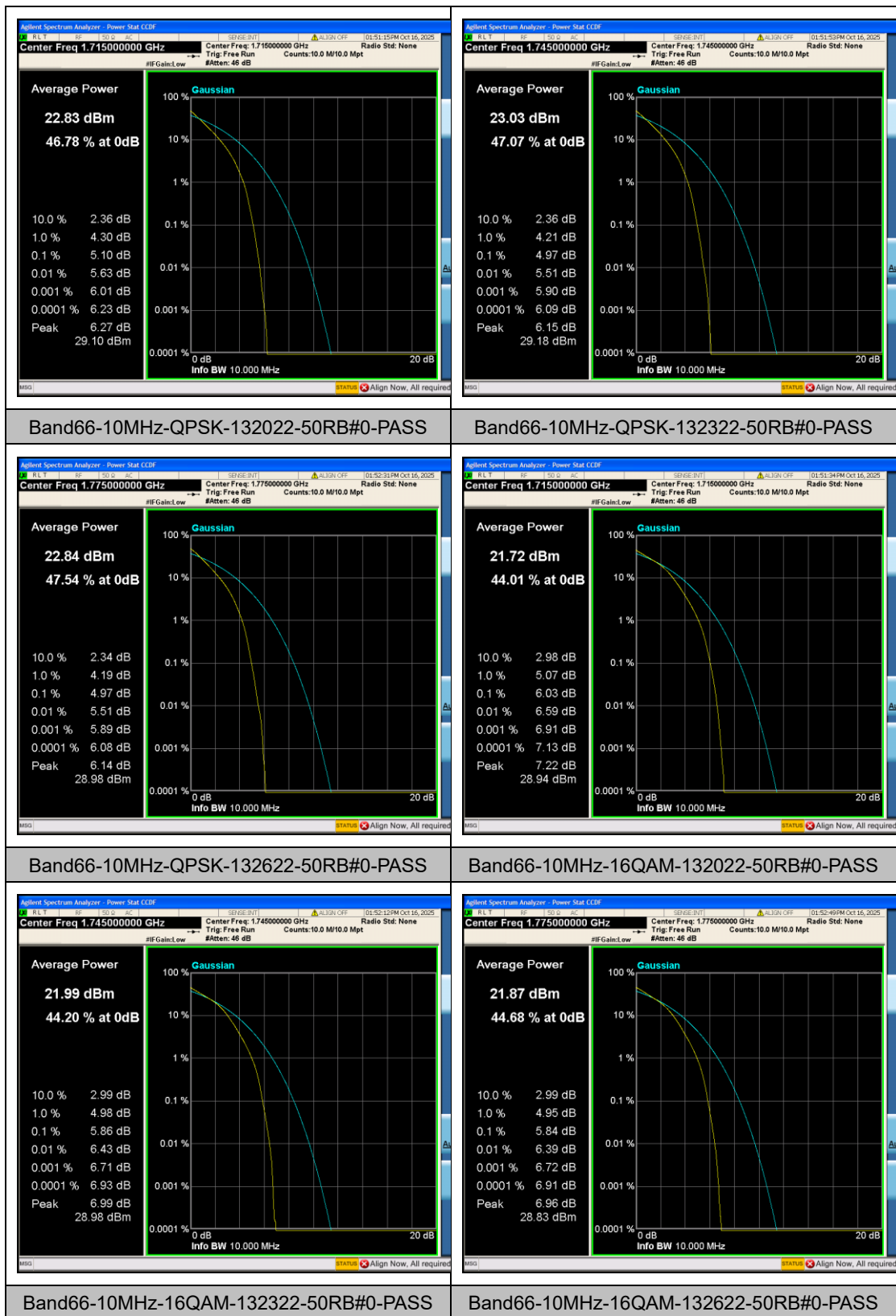
| Band   | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|--------|-----------|------------|---------|------------------|------------|-----------|---------|
| Band66 | 1.4MHz    | QPSK       | 131979  | 6RB#0            | 5.20       | 13        | PASS    |
| Band66 | 1.4MHz    | QPSK       | 132322  | 6RB#0            | 4.86       | 13        | PASS    |
| Band66 | 1.4MHz    | QPSK       | 132665  | 6RB#0            | 5.20       | 13        | PASS    |
| Band66 | 1.4MHz    | 16QAM      | 131979  | 6RB#0            | 6.16       | 13        | PASS    |
| Band66 | 1.4MHz    | 16QAM      | 132322  | 6RB#0            | 5.77       | 13        | PASS    |
| Band66 | 1.4MHz    | 16QAM      | 132665  | 6RB#0            | 6.07       | 13        | PASS    |
| Band66 | 3MHz      | QPSK       | 131987  | 15RB#0           | 5.23       | 13        | PASS    |
| Band66 | 3MHz      | QPSK       | 132322  | 15RB#0           | 5.01       | 13        | PASS    |
| Band66 | 3MHz      | QPSK       | 132657  | 15RB#0           | 5.17       | 13        | PASS    |
| Band66 | 3MHz      | 16QAM      | 131987  | 15RB#0           | 6.13       | 13        | PASS    |
| Band66 | 3MHz      | 16QAM      | 132322  | 15RB#0           | 5.91       | 13        | PASS    |
| Band66 | 3MHz      | 16QAM      | 132657  | 15RB#0           | 5.98       | 13        | PASS    |
| Band66 | 5MHz      | QPSK       | 131997  | 25RB#0           | 5.17       | 13        | PASS    |
| Band66 | 5MHz      | QPSK       | 132322  | 25RB#0           | 4.98       | 13        | PASS    |
| Band66 | 5MHz      | QPSK       | 132647  | 25RB#0           | 5.06       | 13        | PASS    |
| Band66 | 5MHz      | 16QAM      | 131997  | 25RB#0           | 6.08       | 13        | PASS    |
| Band66 | 5MHz      | 16QAM      | 132322  | 25RB#0           | 5.85       | 13        | PASS    |
| Band66 | 5MHz      | 16QAM      | 132647  | 25RB#0           | 5.93       | 13        | PASS    |
| Band66 | 10MHz     | QPSK       | 132022  | 50RB#0           | 5.10       | 13        | PASS    |
| Band66 | 10MHz     | QPSK       | 132322  | 50RB#0           | 4.97       | 13        | PASS    |
| Band66 | 10MHz     | QPSK       | 132622  | 50RB#0           | 4.97       | 13        | PASS    |
| Band66 | 10MHz     | 16QAM      | 132022  | 50RB#0           | 6.03       | 13        | PASS    |
| Band66 | 10MHz     | 16QAM      | 132322  | 50RB#0           | 5.86       | 13        | PASS    |
| Band66 | 10MHz     | 16QAM      | 132622  | 50RB#0           | 5.84       | 13        | PASS    |
| Band66 | 15MHz     | QPSK       | 132047  | 75RB#0           | 4.80       | 13        | PASS    |
| Band66 | 15MHz     | QPSK       | 132322  | 75RB#0           | 4.64       | 13        | PASS    |
| Band66 | 15MHz     | QPSK       | 132597  | 75RB#0           | 4.91       | 13        | PASS    |
| Band66 | 15MHz     | 16QAM      | 132047  | 75RB#0           | 5.63       | 13        | PASS    |
| Band66 | 15MHz     | 16QAM      | 132322  | 75RB#0           | 5.40       | 13        | PASS    |
| Band66 | 15MHz     | 16QAM      | 132597  | 75RB#0           | 5.67       | 13        | PASS    |
| Band66 | 20MHz     | QPSK       | 132072  | 100RB#0          | 5.04       | 13        | PASS    |
| Band66 | 20MHz     | QPSK       | 132322  | 100RB#0          | 4.90       | 13        | PASS    |
| Band66 | 20MHz     | QPSK       | 132572  | 100RB#0          | 5.11       | 13        | PASS    |
| Band66 | 20MHz     | 16QAM      | 132072  | 100RB#0          | 5.99       | 13        | PASS    |
| Band66 | 20MHz     | 16QAM      | 132322  | 100RB#0          | 5.78       | 13        | PASS    |
| Band66 | 20MHz     | 16QAM      | 132572  | 100RB#0          | 5.97       | 13        | PASS    |

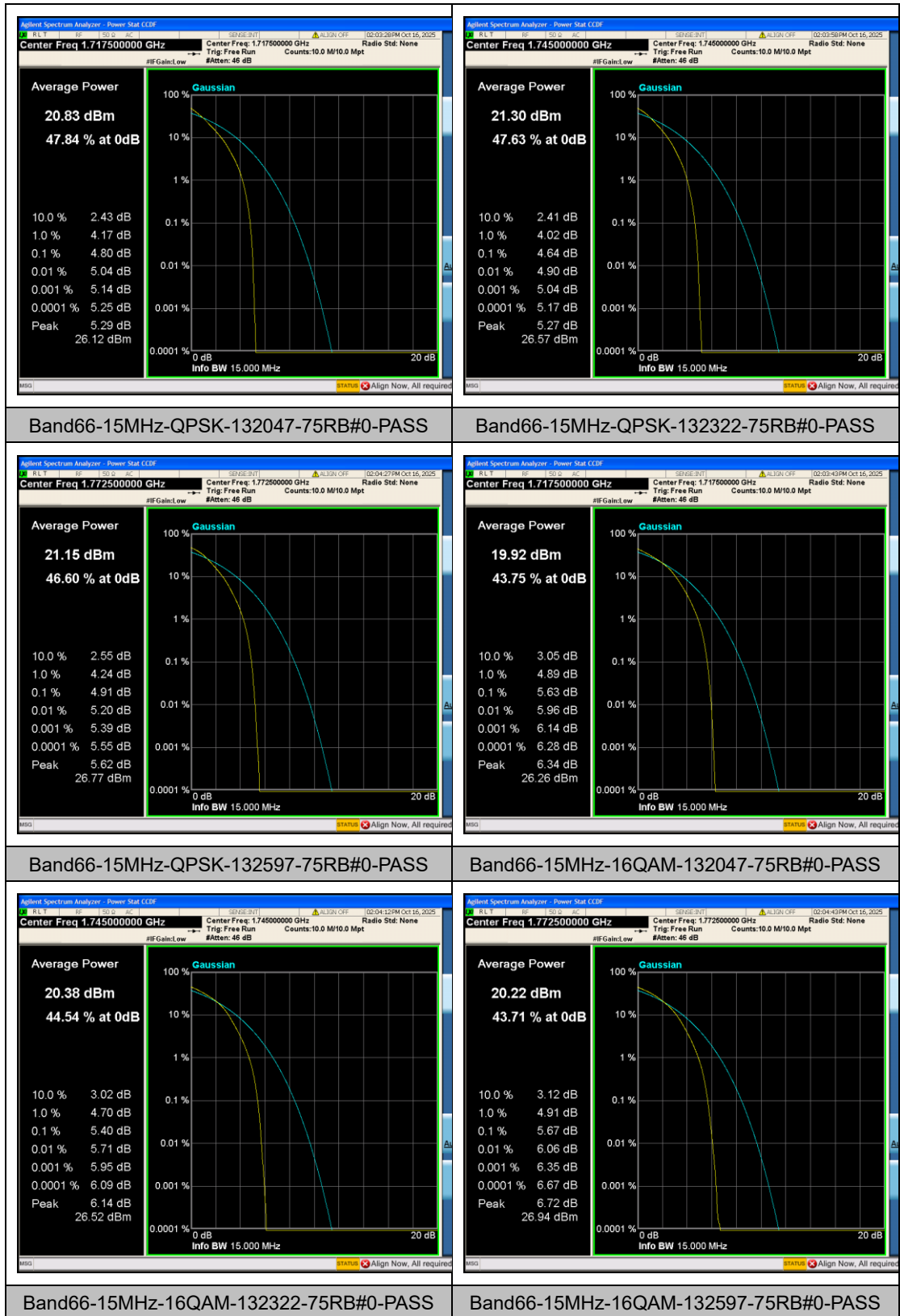
## Test Graphs

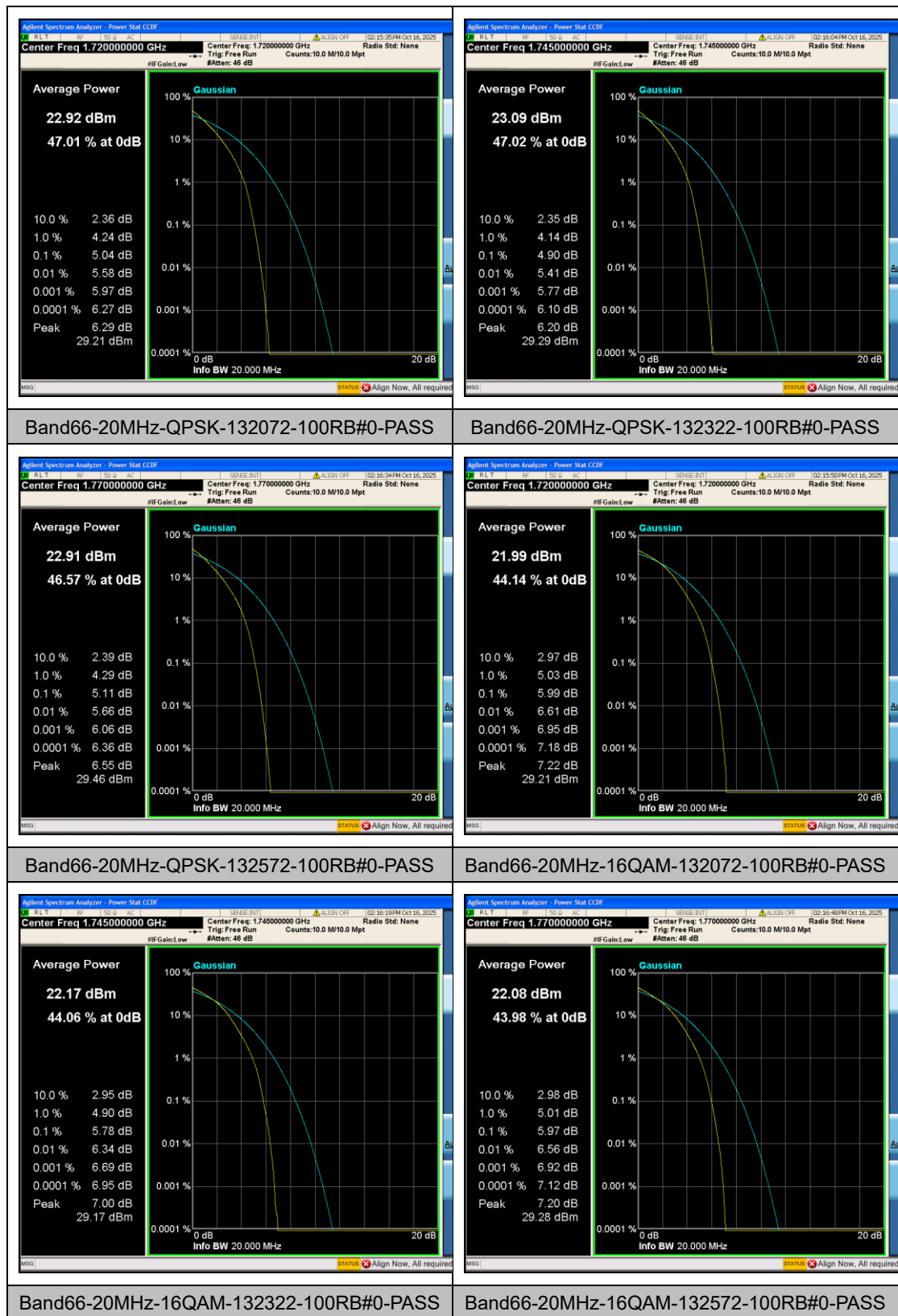












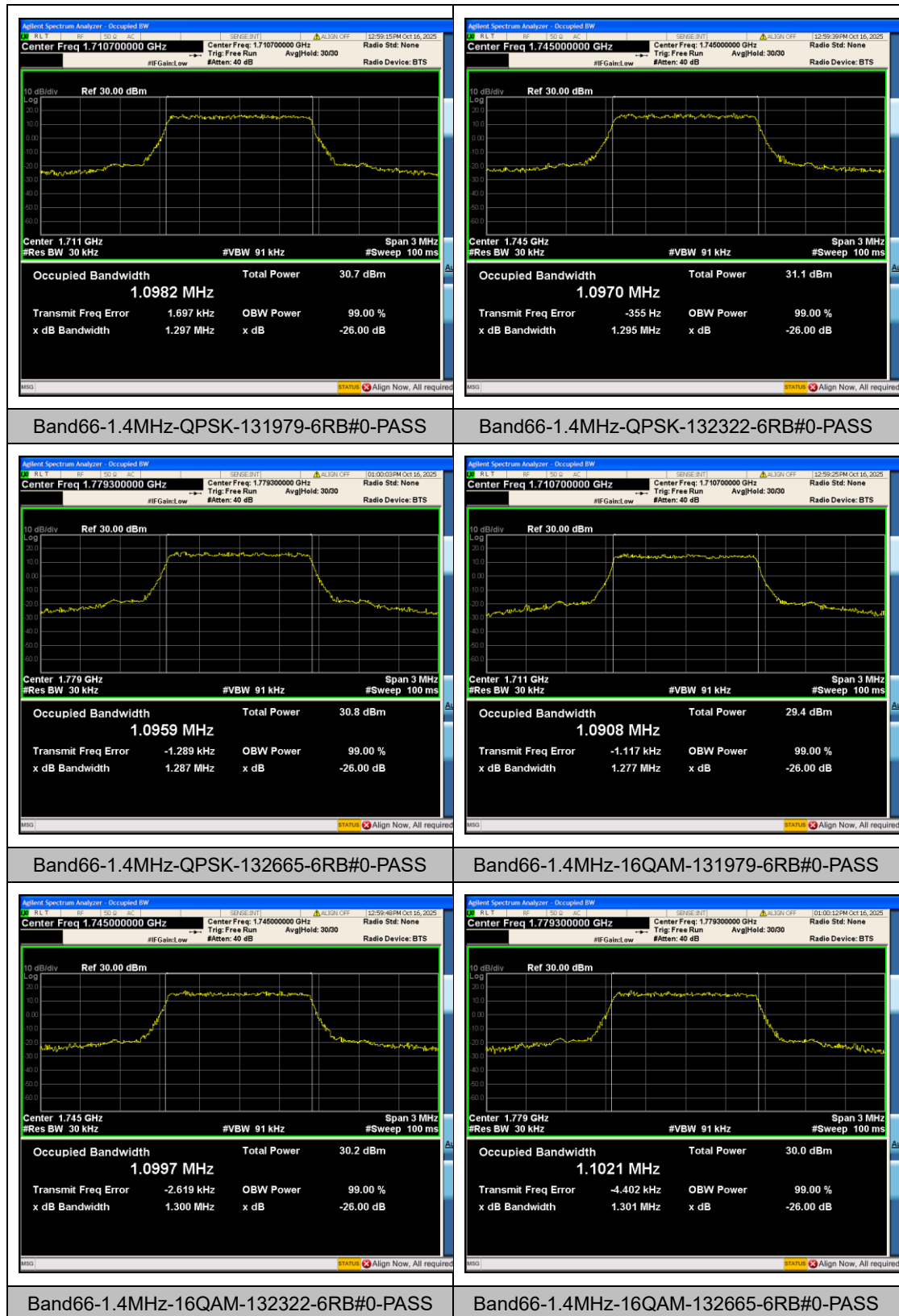
## Appendix C: 26dB Bandwidth and Occupied Bandwidth

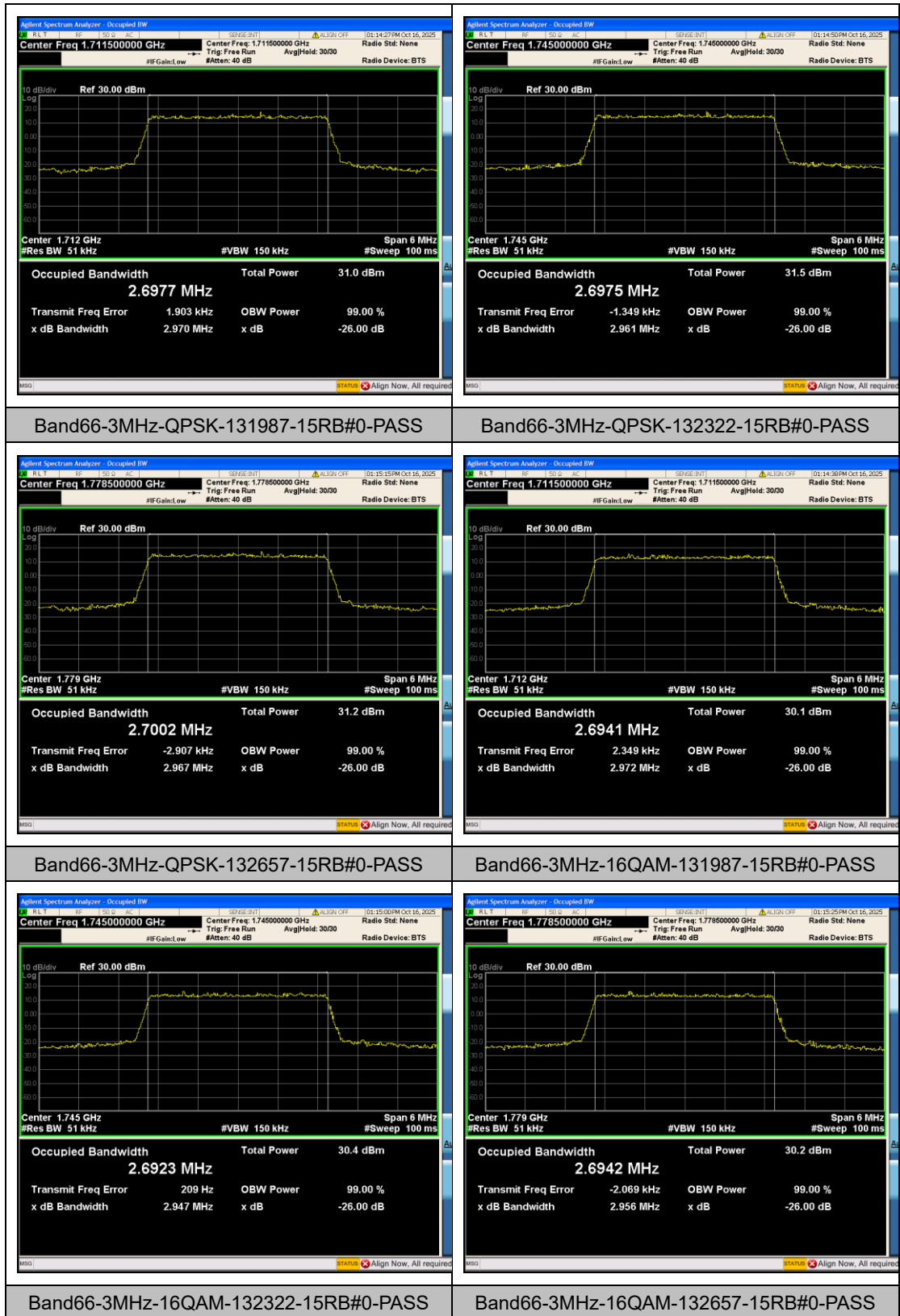
### Test Result

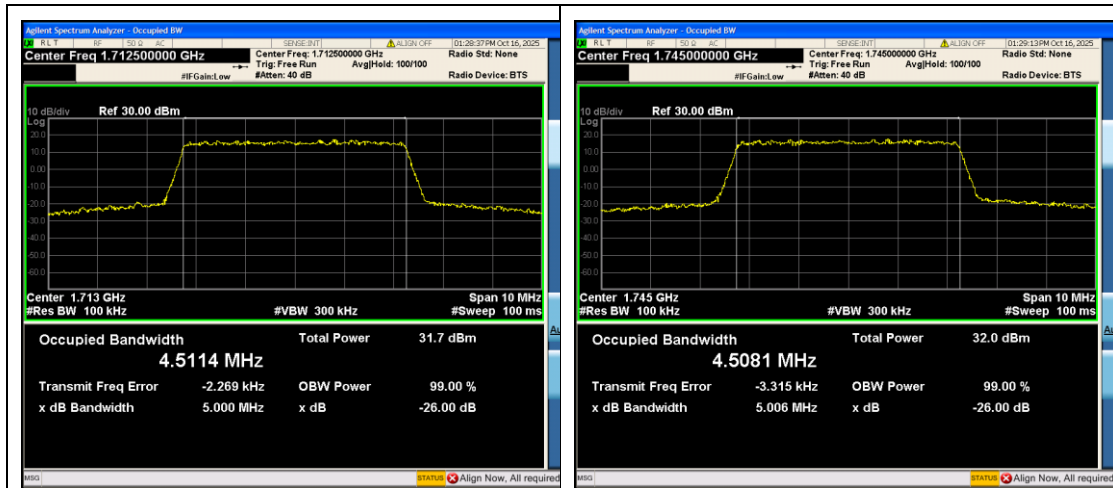
| Band   | Bandwidth | Modulation | Channel | RB Configuration | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|--------|-----------|------------|---------|------------------|--------------------------|----------------------|---------|
| Band66 | 1.4MHz    | QPSK       | 131979  | 6RB#0            | 1.0982                   | 1.297                | PASS    |
| Band66 | 1.4MHz    | QPSK       | 132322  | 6RB#0            | 1.0970                   | 1.295                | PASS    |
| Band66 | 1.4MHz    | QPSK       | 132665  | 6RB#0            | 1.0959                   | 1.287                | PASS    |
| Band66 | 1.4MHz    | 16QAM      | 131979  | 6RB#0            | 1.0908                   | 1.277                | PASS    |
| Band66 | 1.4MHz    | 16QAM      | 132322  | 6RB#0            | 1.0997                   | 1.300                | PASS    |
| Band66 | 1.4MHz    | 16QAM      | 132665  | 6RB#0            | 1.1021                   | 1.301                | PASS    |
| Band66 | 3MHz      | QPSK       | 131987  | 15RB#0           | 2.6977                   | 2.970                | PASS    |
| Band66 | 3MHz      | QPSK       | 132322  | 15RB#0           | 2.6975                   | 2.961                | PASS    |
| Band66 | 3MHz      | QPSK       | 132657  | 15RB#0           | 2.7002                   | 2.967                | PASS    |
| Band66 | 3MHz      | 16QAM      | 131987  | 15RB#0           | 2.6941                   | 2.972                | PASS    |
| Band66 | 3MHz      | 16QAM      | 132322  | 15RB#0           | 2.6923                   | 2.947                | PASS    |
| Band66 | 3MHz      | 16QAM      | 132657  | 15RB#0           | 2.6942                   | 2.956                | PASS    |
| Band66 | 5MHz      | QPSK       | 131997  | 25RB#0           | 4.5114                   | 5.000                | PASS    |
| Band66 | 5MHz      | QPSK       | 132322  | 25RB#0           | 4.5081                   | 5.006                | PASS    |
| Band66 | 5MHz      | QPSK       | 132647  | 25RB#0           | 4.5011                   | 5.013                | PASS    |
| Band66 | 5MHz      | 16QAM      | 131997  | 25RB#0           | 4.4961                   | 4.980                | PASS    |
| Band66 | 5MHz      | 16QAM      | 132322  | 25RB#0           | 4.5021                   | 4.970                | PASS    |
| Band66 | 5MHz      | 16QAM      | 132647  | 25RB#0           | 4.4977                   | 4.967                | PASS    |
| Band66 | 10MHz     | QPSK       | 132022  | 50RB#0           | 8.9609                   | 9.902                | PASS    |
| Band66 | 10MHz     | QPSK       | 132322  | 50RB#0           | 8.9616                   | 9.889                | PASS    |
| Band66 | 10MHz     | QPSK       | 132622  | 50RB#0           | 8.9580                   | 9.832                | PASS    |
| Band66 | 10MHz     | 16QAM      | 132022  | 50RB#0           | 8.9651                   | 9.830                | PASS    |
| Band66 | 10MHz     | 16QAM      | 132322  | 50RB#0           | 8.9526                   | 9.838                | PASS    |
| Band66 | 10MHz     | 16QAM      | 132622  | 50RB#0           | 8.9475                   | 9.818                | PASS    |
| Band66 | 15MHz     | QPSK       | 132047  | 75RB#0           | 13.414                   | 14.63                | PASS    |
| Band66 | 15MHz     | QPSK       | 132322  | 75RB#0           | 13.427                   | 14.82                | PASS    |
| Band66 | 15MHz     | QPSK       | 132597  | 75RB#0           | 13.428                   | 14.70                | PASS    |
| Band66 | 15MHz     | 16QAM      | 132047  | 75RB#0           | 13.422                   | 14.61                | PASS    |
| Band66 | 15MHz     | 16QAM      | 132322  | 75RB#0           | 13.433                   | 14.66                | PASS    |
| Band66 | 15MHz     | 16QAM      | 132597  | 75RB#0           | 13.402                   | 14.62                | PASS    |
| Band66 | 20MHz     | QPSK       | 132072  | 100RB#0          | 17.791                   | 19.28                | PASS    |
| Band66 | 20MHz     | QPSK       | 132322  | 100RB#0          | 17.867                   | 19.36                | PASS    |
| Band66 | 20MHz     | QPSK       | 132572  | 100RB#0          | 17.917                   | 19.41                | PASS    |
| Band66 | 20MHz     | 16QAM      | 132072  | 100RB#0          | 17.758                   | 19.29                | PASS    |

|        |       |       |        |         |        |       |      |
|--------|-------|-------|--------|---------|--------|-------|------|
| Band66 | 20MHz | 16QAM | 132322 | 100RB#0 | 17.866 | 19.47 | PASS |
| Band66 | 20MHz | 16QAM | 132572 | 100RB#0 | 17.940 | 19.47 | PASS |

## Test Graphs

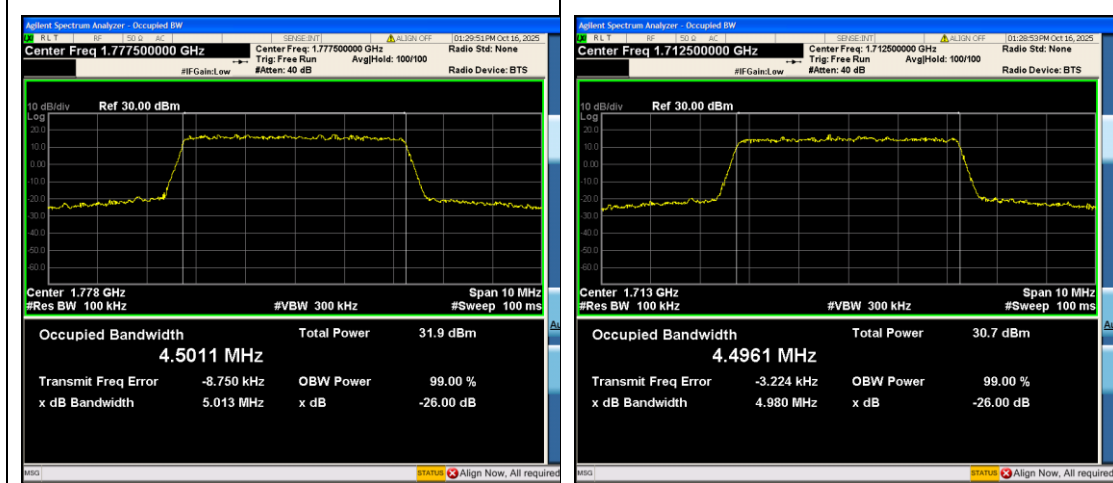






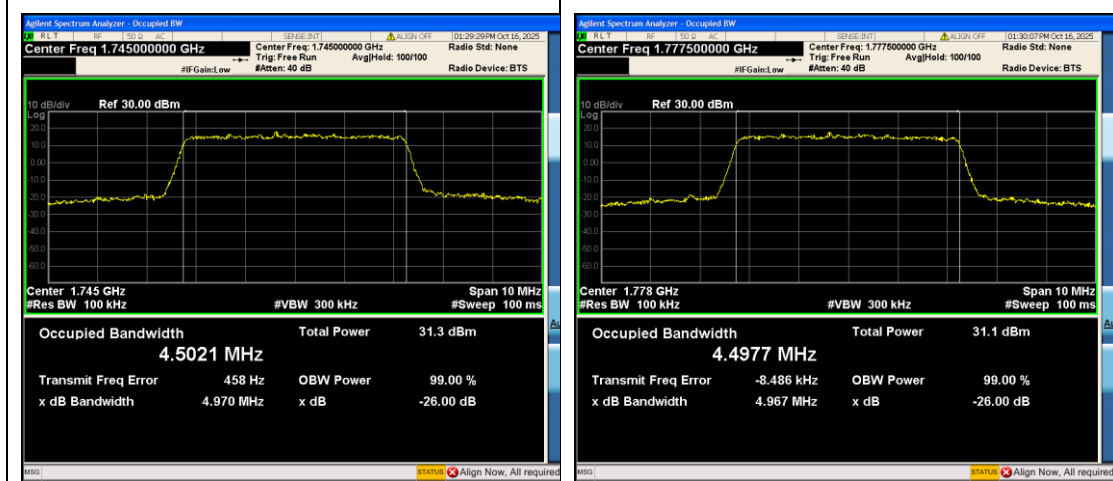
Band66-5MHz-QPSK-131997-25RB#0-PASS

Band66-5MHz-QPSK-132322-25RB#0-PASS



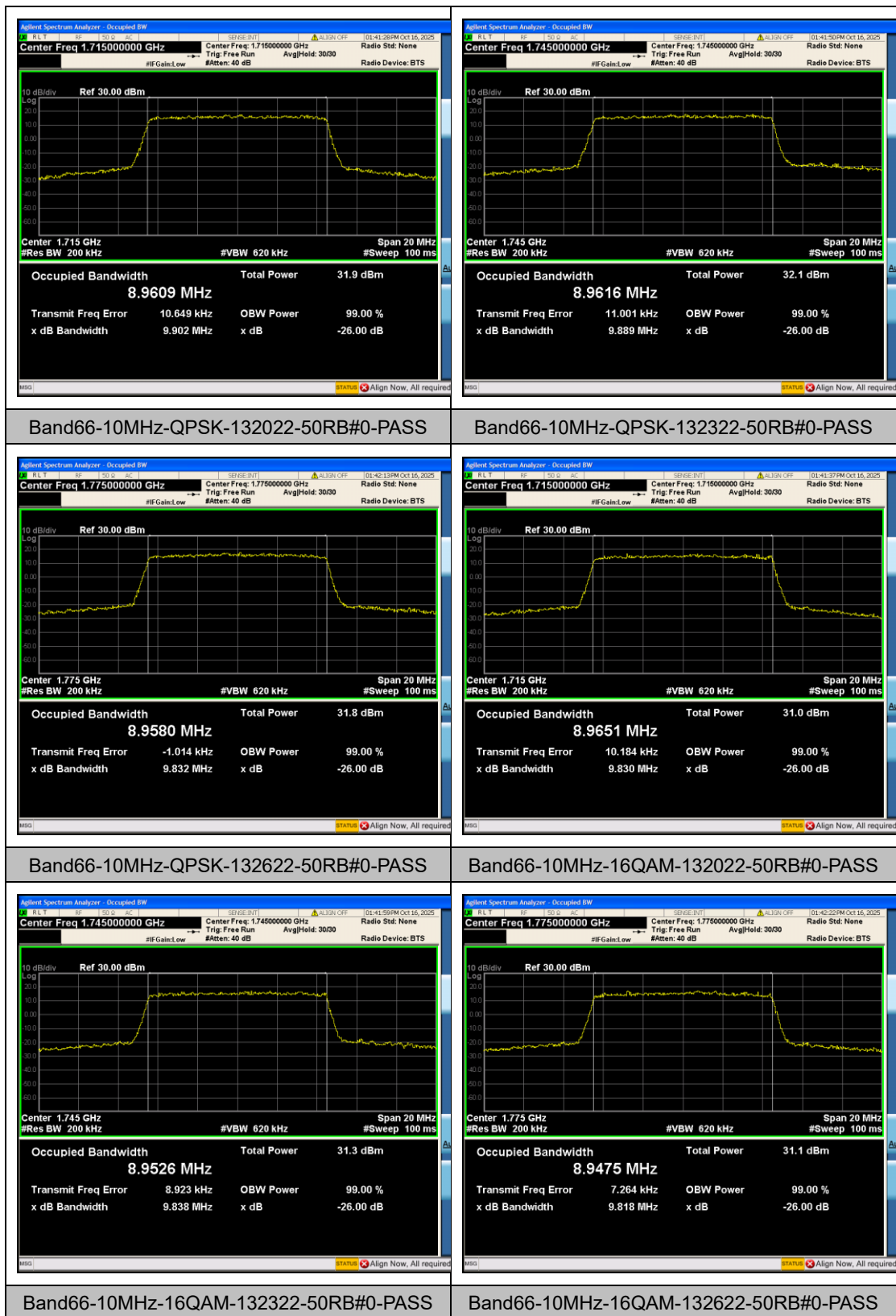
Band66-5MHz-QPSK-132647-25RB#0-PASS

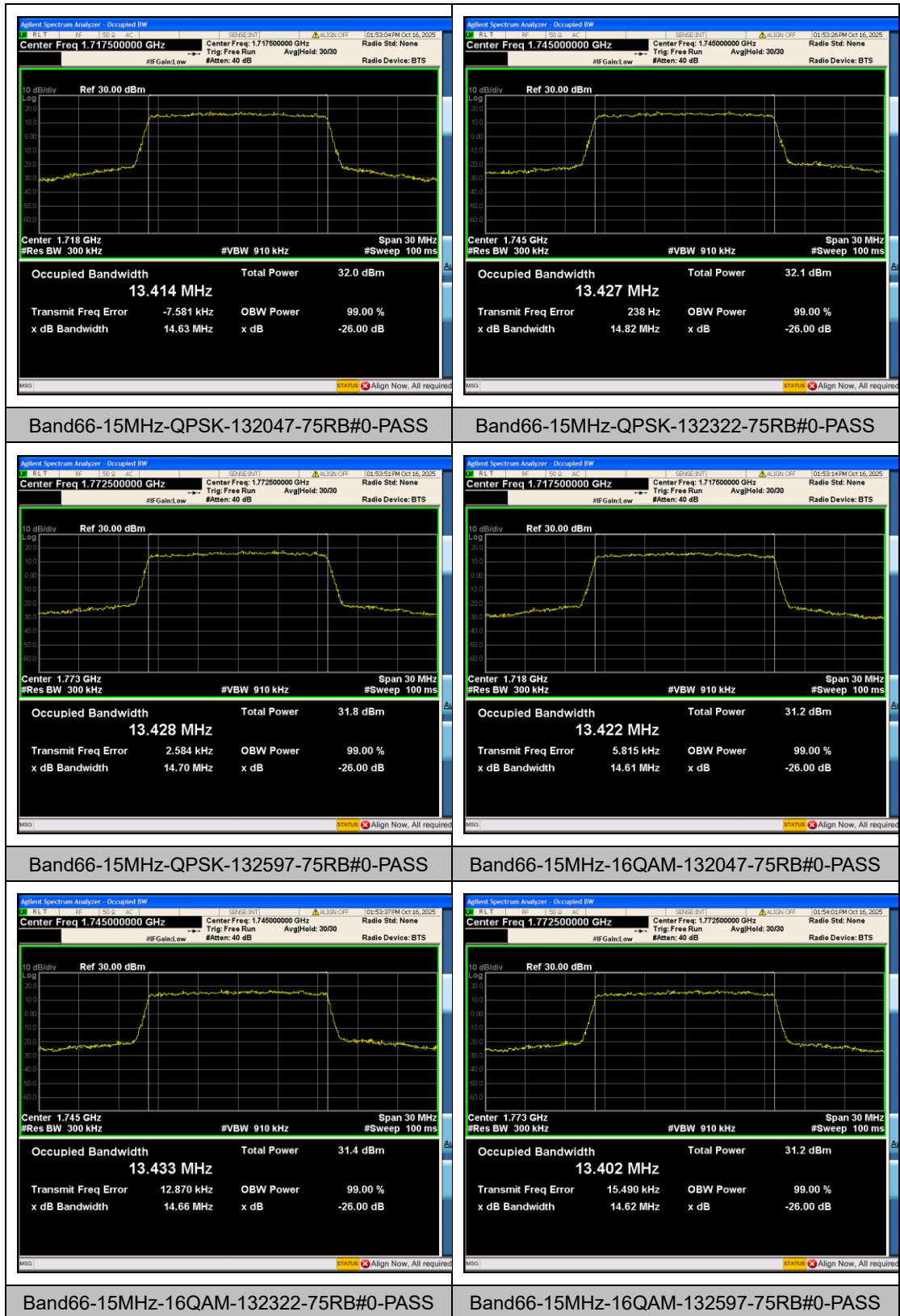
Band66-5MHz-16QAM-131997-25RB#0-PASS

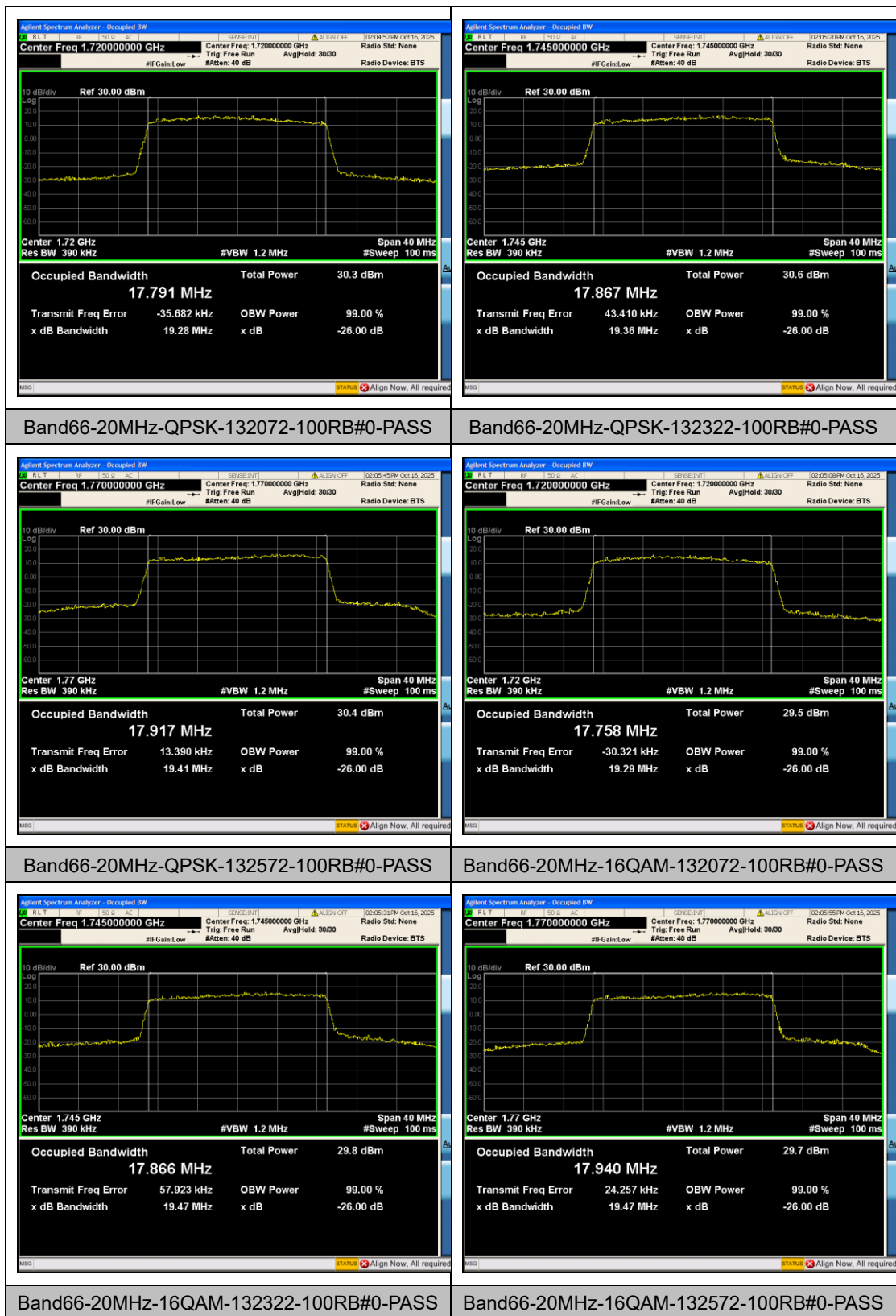


Band66-5MHz-16QAM-132322-25RB#0-PASS

Band66-5MHz-16QAM-132647-25RB#0-PASS







## Appendix D: Band Edge

### Test Result

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Result(dBm) | Verdict |
|--------|-----------|------------|---------|------------------|-------------|---------|
| Band66 | 1.4MHz    | QPSK       | 131979  | 6RB#0            | -24.98      | PASS    |
| Band66 | 1.4MHz    | QPSK       | 132665  | 6RB#0            | -24.03      | PASS    |
| Band66 | 1.4MHz    | 16QAM      | 131979  | 6RB#0            | -26.48      | PASS    |
| Band66 | 1.4MHz    | 16QAM      | 132665  | 6RB#0            | -21.86      | PASS    |
| Band66 | 3MHz      | QPSK       | 131987  | 15RB#0           | -22.41      | PASS    |
| Band66 | 3MHz      | QPSK       | 132657  | 15RB#0           | -22.35      | PASS    |
| Band66 | 3MHz      | 16QAM      | 131987  | 15RB#0           | -22.86      | PASS    |
| Band66 | 3MHz      | 16QAM      | 132657  | 15RB#0           | -22.86      | PASS    |
| Band66 | 5MHz      | QPSK       | 131997  | 25RB#0           | -23.69      | PASS    |
| Band66 | 5MHz      | QPSK       | 132647  | 25RB#0           | -24.07      | PASS    |
| Band66 | 5MHz      | 16QAM      | 131997  | 25RB#0           | -23.78      | PASS    |
| Band66 | 5MHz      | 16QAM      | 132647  | 25RB#0           | -24.52      | PASS    |
| Band66 | 10MHz     | QPSK       | 132022  | 50RB#0           | -26.45      | PASS    |
| Band66 | 10MHz     | QPSK       | 132622  | 50RB#0           | -26.81      | PASS    |
| Band66 | 10MHz     | 16QAM      | 132022  | 50RB#0           | -26.99      | PASS    |
| Band66 | 10MHz     | 16QAM      | 132622  | 50RB#0           | -27.95      | PASS    |
| Band66 | 15MHz     | QPSK       | 132047  | 75RB#0           | -27.74      | PASS    |
| Band66 | 15MHz     | QPSK       | 132597  | 75RB#0           | -27.76      | PASS    |
| Band66 | 15MHz     | 16QAM      | 132047  | 75RB#0           | -28.06      | PASS    |
| Band66 | 15MHz     | 16QAM      | 132597  | 75RB#0           | -28.69      | PASS    |
| Band66 | 20MHz     | QPSK       | 132072  | 100RB#0          | -33.19      | PASS    |
| Band66 | 20MHz     | QPSK       | 132572  | 100RB#0          | -26.20      | PASS    |
| Band66 | 20MHz     | 16QAM      | 132072  | 100RB#0          | -33.47      | PASS    |
| Band66 | 20MHz     | 16QAM      | 132572  | 100RB#0          | -28.48      | PASS    |