

# **FCC&ISED LTE Band Test Data**

**FCC ID** : **2BNR7-W90**

**IC** : **33471-W90**

**Company:** : **Shenzhen Baijin Technology Co., Ltd**

**EUT** : **TABLET COMPUTER**

**Model(HVIN)** : **W90**

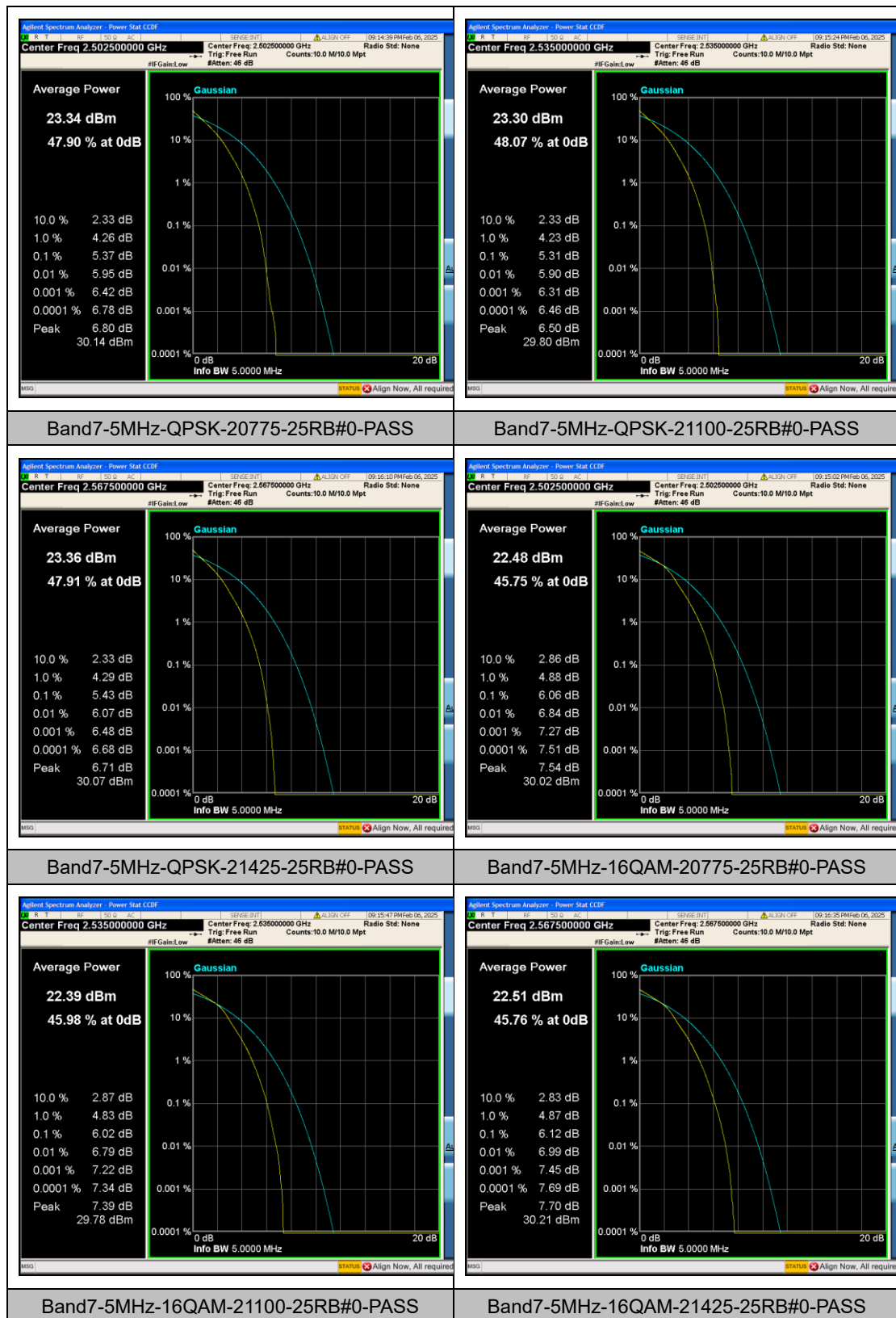
**Reviewed By** : **Eric Wang**

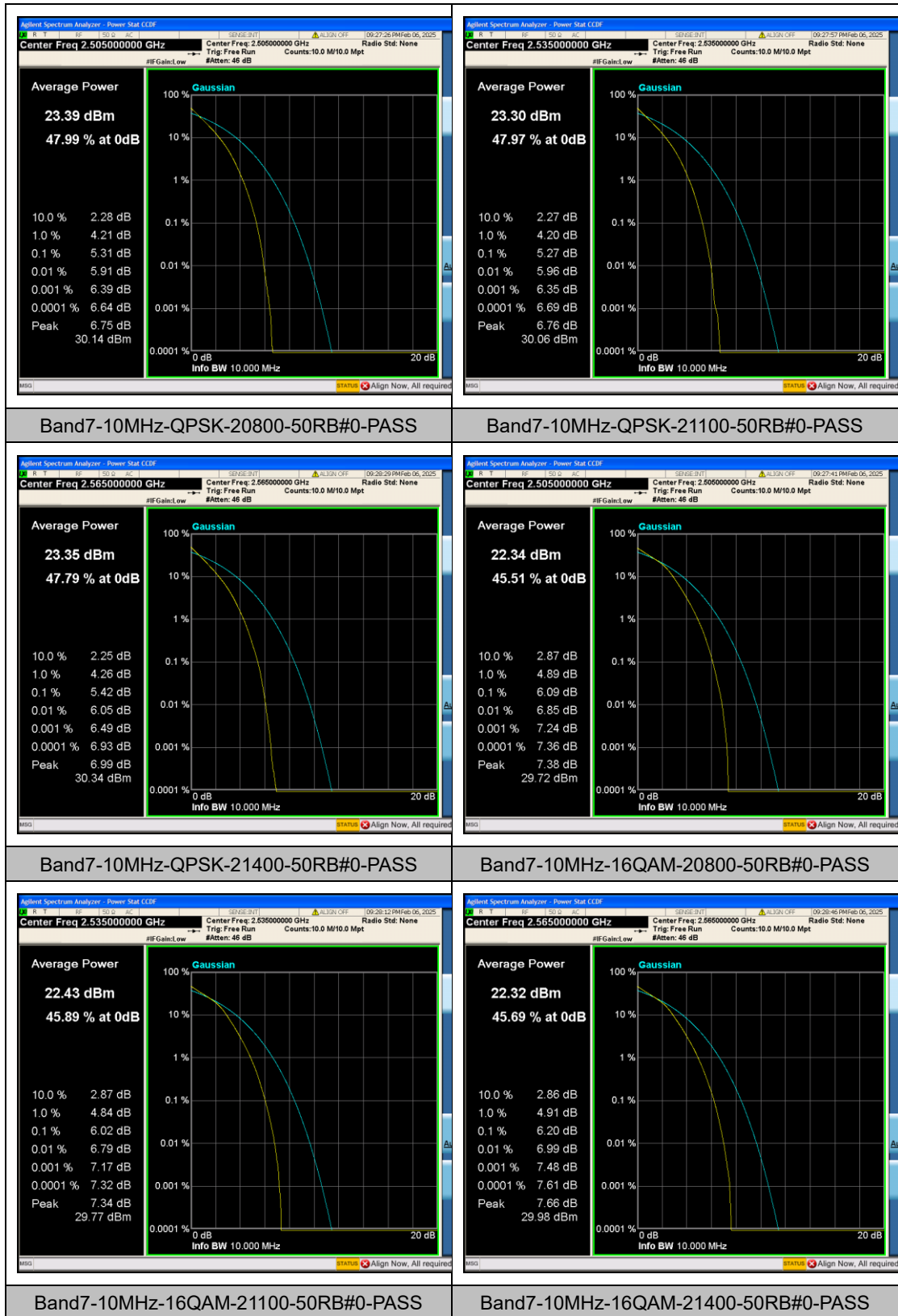
## Appendix B: Peak-to-Average Ratio(CCDF)

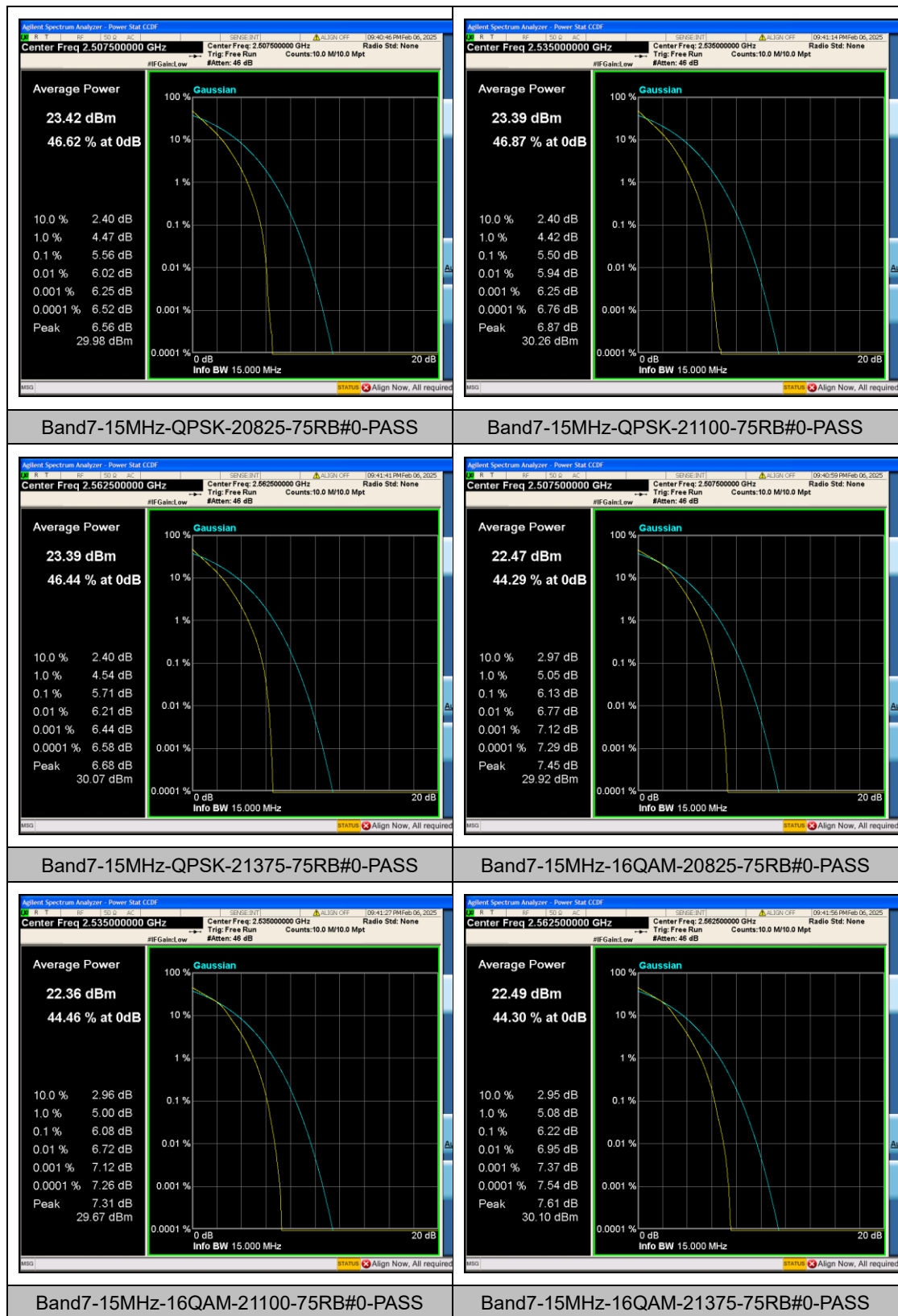
### Test Result

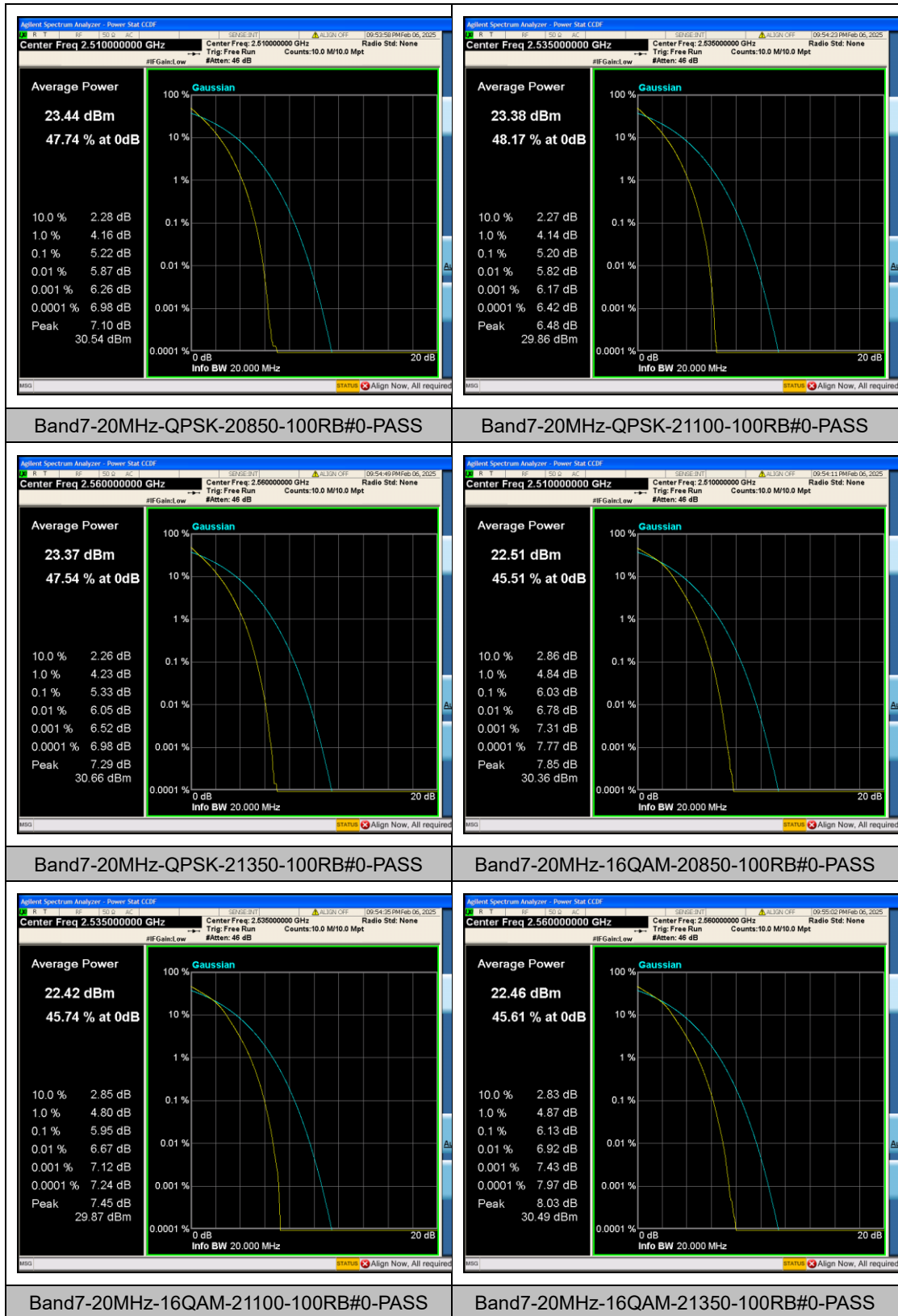
| Band  | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|-------|-----------|------------|---------|------------------|------------|-----------|---------|
| Band7 | 5MHz      | QPSK       | 20775   | 25RB#0           | 5.37       | 13        | PASS    |
| Band7 | 5MHz      | QPSK       | 21100   | 25RB#0           | 5.31       | 13        | PASS    |
| Band7 | 5MHz      | QPSK       | 21425   | 25RB#0           | 5.43       | 13        | PASS    |
| Band7 | 5MHz      | 16QAM      | 20775   | 25RB#0           | 6.06       | 13        | PASS    |
| Band7 | 5MHz      | 16QAM      | 21100   | 25RB#0           | 6.02       | 13        | PASS    |
| Band7 | 5MHz      | 16QAM      | 21425   | 25RB#0           | 6.12       | 13        | PASS    |
| Band7 | 10MHz     | QPSK       | 20800   | 50RB#0           | 5.31       | 13        | PASS    |
| Band7 | 10MHz     | QPSK       | 21100   | 50RB#0           | 5.27       | 13        | PASS    |
| Band7 | 10MHz     | QPSK       | 21400   | 50RB#0           | 5.42       | 13        | PASS    |
| Band7 | 10MHz     | 16QAM      | 20800   | 50RB#0           | 6.09       | 13        | PASS    |
| Band7 | 10MHz     | 16QAM      | 21100   | 50RB#0           | 6.02       | 13        | PASS    |
| Band7 | 10MHz     | 16QAM      | 21400   | 50RB#0           | 6.20       | 13        | PASS    |
| Band7 | 15MHz     | QPSK       | 20825   | 75RB#0           | 5.56       | 13        | PASS    |
| Band7 | 15MHz     | QPSK       | 21100   | 75RB#0           | 5.50       | 13        | PASS    |
| Band7 | 15MHz     | QPSK       | 21375   | 75RB#0           | 5.71       | 13        | PASS    |
| Band7 | 15MHz     | 16QAM      | 20825   | 75RB#0           | 6.13       | 13        | PASS    |
| Band7 | 15MHz     | 16QAM      | 21100   | 75RB#0           | 6.08       | 13        | PASS    |
| Band7 | 15MHz     | 16QAM      | 21375   | 75RB#0           | 6.22       | 13        | PASS    |
| Band7 | 20MHz     | QPSK       | 20850   | 100RB#0          | 5.22       | 13        | PASS    |
| Band7 | 20MHz     | QPSK       | 21100   | 100RB#0          | 5.20       | 13        | PASS    |
| Band7 | 20MHz     | QPSK       | 21350   | 100RB#0          | 5.33       | 13        | PASS    |
| Band7 | 20MHz     | 16QAM      | 20850   | 100RB#0          | 6.03       | 13        | PASS    |
| Band7 | 20MHz     | 16QAM      | 21100   | 100RB#0          | 5.95       | 13        | PASS    |
| Band7 | 20MHz     | 16QAM      | 21350   | 100RB#0          | 6.13       | 13        | PASS    |

## Test Graphs







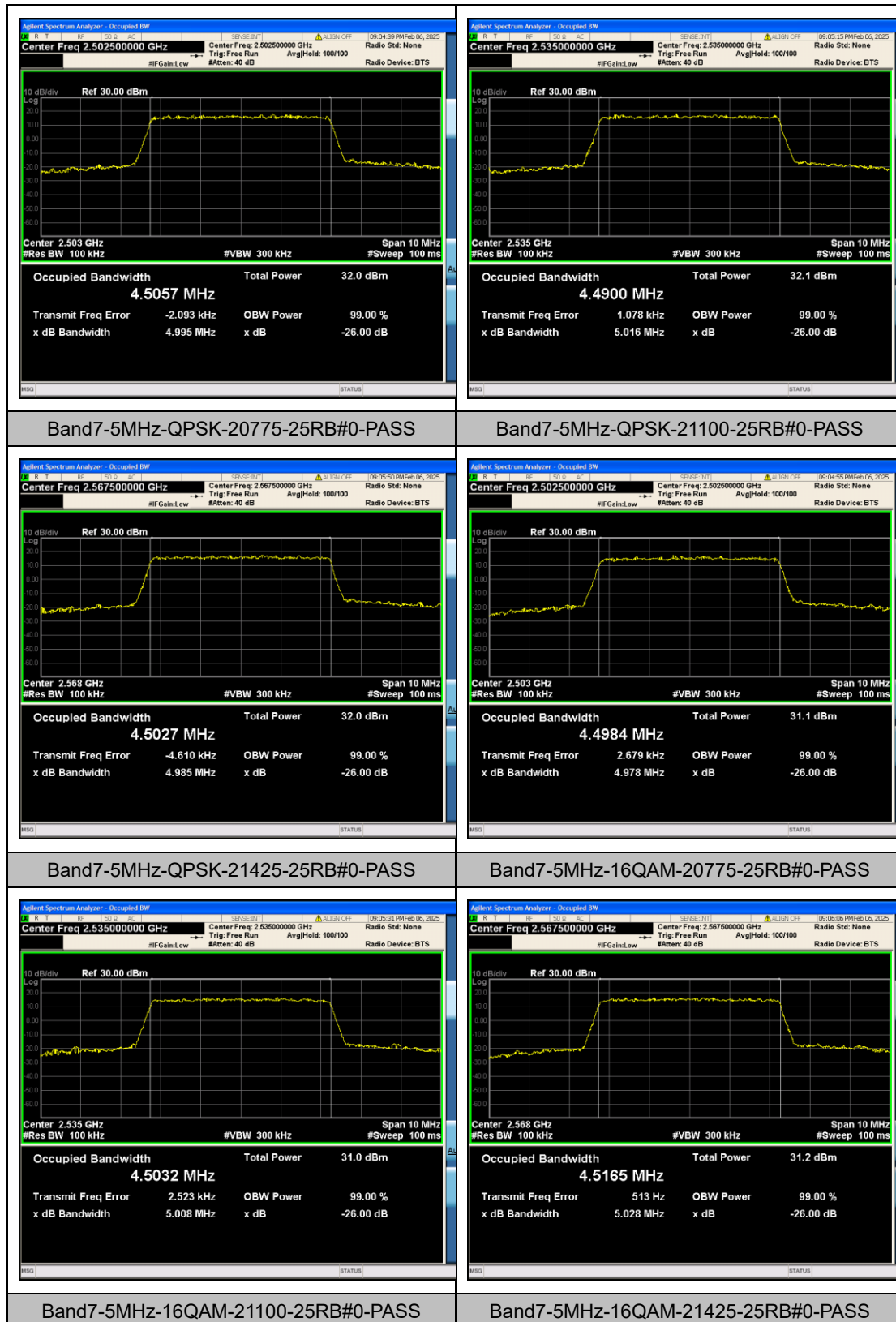


## Appendix C: 26dB Bandwidth and Occupied Bandwidth

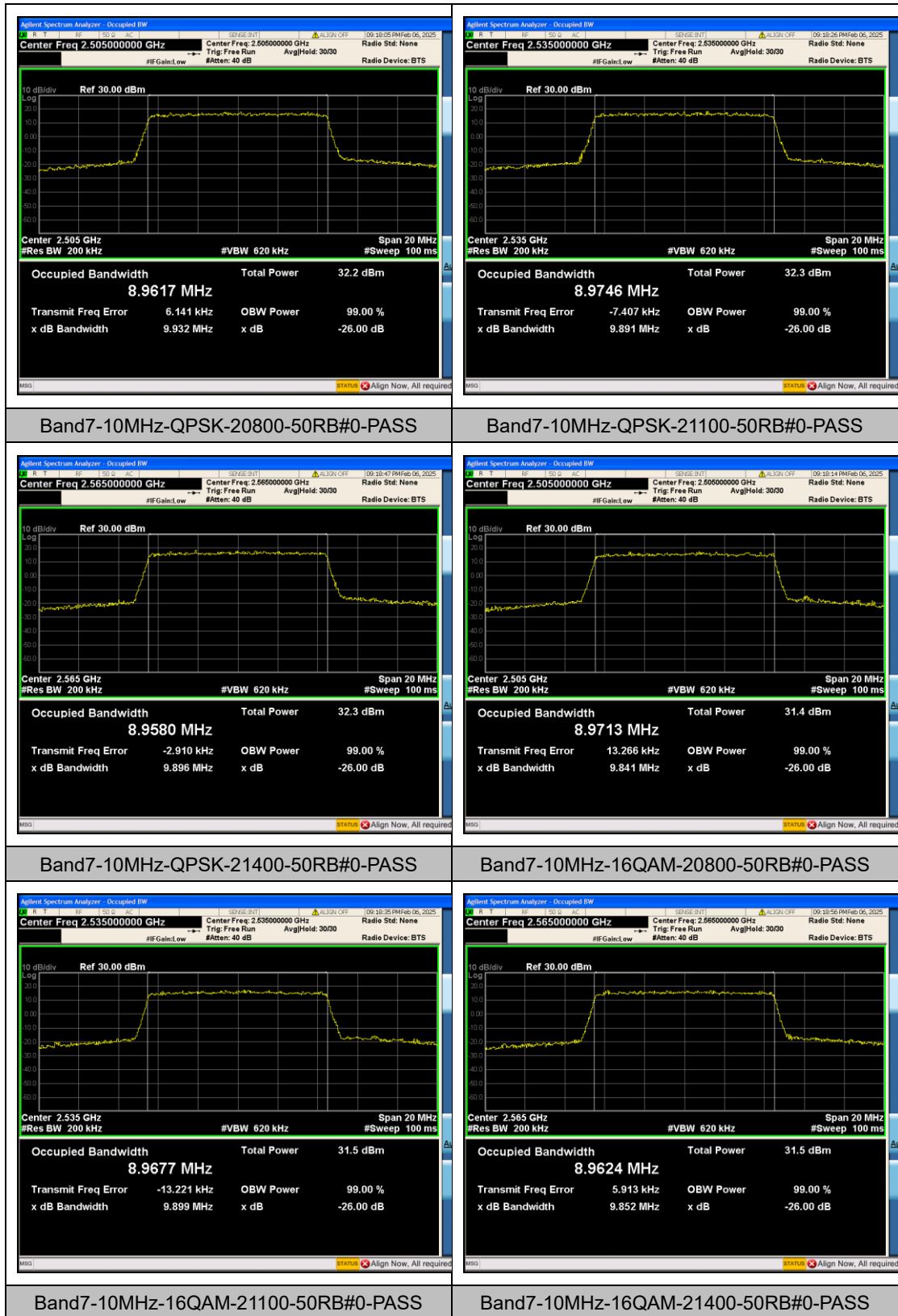
### Test Result

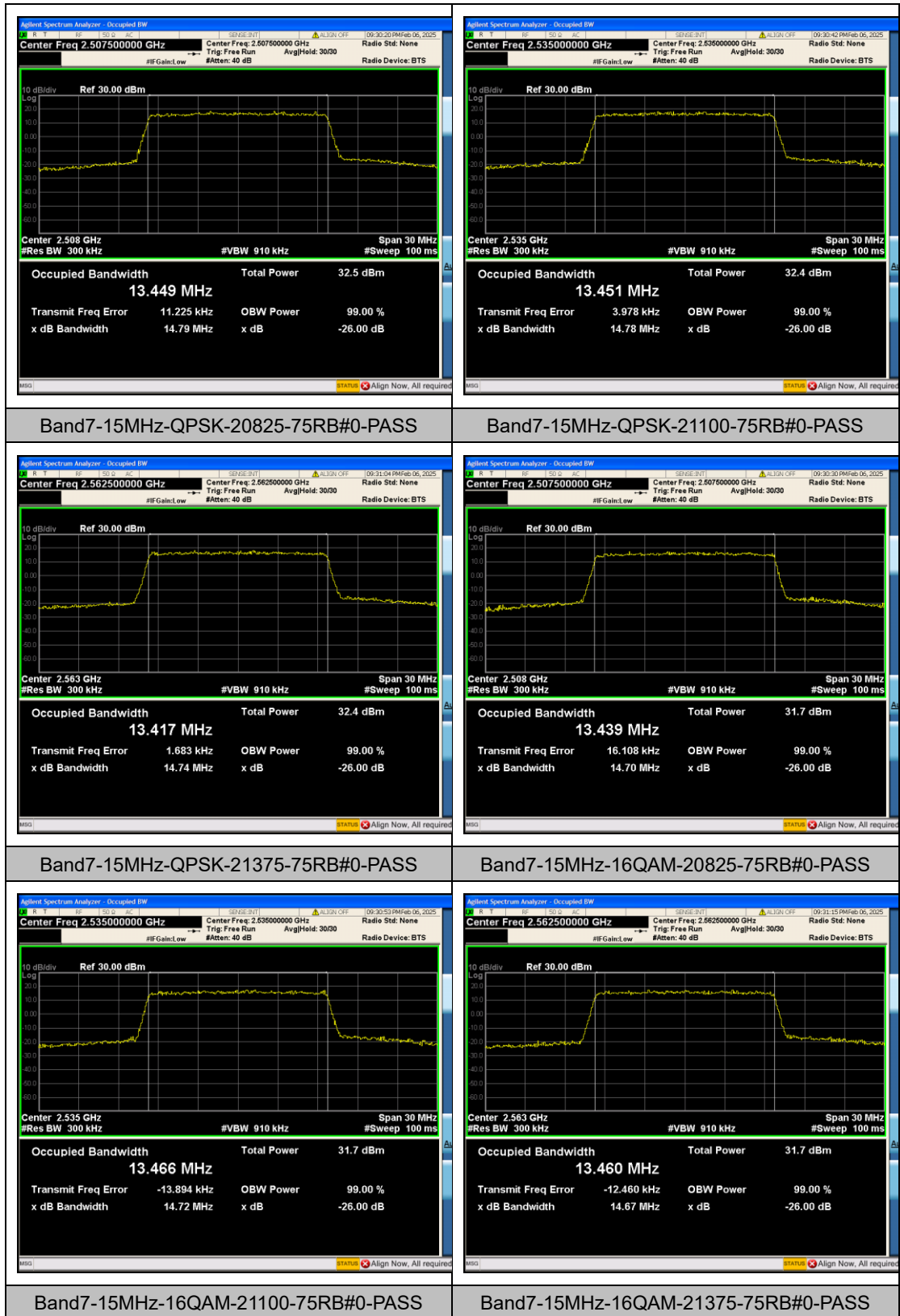
| Band  | Bandwidth | Modulation | Channel | RB Configuration | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|-------|-----------|------------|---------|------------------|--------------------------|----------------------|---------|
| Band7 | 5MHz      | QPSK       | 20775   | 25RB#0           | 4.5057                   | 4.995                | PASS    |
| Band7 | 5MHz      | QPSK       | 21100   | 25RB#0           | 4.4900                   | 5.016                | PASS    |
| Band7 | 5MHz      | QPSK       | 21425   | 25RB#0           | 4.5027                   | 4.985                | PASS    |
| Band7 | 5MHz      | 16QAM      | 20775   | 25RB#0           | 4.4984                   | 4.978                | PASS    |
| Band7 | 5MHz      | 16QAM      | 21100   | 25RB#0           | 4.5032                   | 5.008                | PASS    |
| Band7 | 5MHz      | 16QAM      | 21425   | 25RB#0           | 4.5165                   | 5.028                | PASS    |
| Band7 | 10MHz     | QPSK       | 20800   | 50RB#0           | 8.9617                   | 9.932                | PASS    |
| Band7 | 10MHz     | QPSK       | 21100   | 50RB#0           | 8.9746                   | 9.891                | PASS    |
| Band7 | 10MHz     | QPSK       | 21400   | 50RB#0           | 8.9580                   | 9.896                | PASS    |
| Band7 | 10MHz     | 16QAM      | 20800   | 50RB#0           | 8.9713                   | 9.841                | PASS    |
| Band7 | 10MHz     | 16QAM      | 21100   | 50RB#0           | 8.9677                   | 9.899                | PASS    |
| Band7 | 10MHz     | 16QAM      | 21400   | 50RB#0           | 8.9624                   | 9.852                | PASS    |
| Band7 | 15MHz     | QPSK       | 20825   | 75RB#0           | 13.449                   | 14.79                | PASS    |
| Band7 | 15MHz     | QPSK       | 21100   | 75RB#0           | 13.451                   | 14.78                | PASS    |
| Band7 | 15MHz     | QPSK       | 21375   | 75RB#0           | 13.417                   | 14.74                | PASS    |
| Band7 | 15MHz     | 16QAM      | 20825   | 75RB#0           | 13.439                   | 14.70                | PASS    |
| Band7 | 15MHz     | 16QAM      | 21100   | 75RB#0           | 13.466                   | 14.72                | PASS    |
| Band7 | 15MHz     | 16QAM      | 21375   | 75RB#0           | 13.460                   | 14.67                | PASS    |
| Band7 | 20MHz     | QPSK       | 20850   | 100RB#0          | 17.884                   | 19.42                | PASS    |
| Band7 | 20MHz     | QPSK       | 21100   | 100RB#0          | 17.928                   | 19.51                | PASS    |
| Band7 | 20MHz     | QPSK       | 21350   | 100RB#0          | 17.923                   | 19.44                | PASS    |
| Band7 | 20MHz     | 16QAM      | 20850   | 100RB#0          | 17.882                   | 19.39                | PASS    |
| Band7 | 20MHz     | 16QAM      | 21100   | 100RB#0          | 17.897                   | 19.37                | PASS    |
| Band7 | 20MHz     | 16QAM      | 21350   | 100RB#0          | 17.990                   | 19.48                | PASS    |

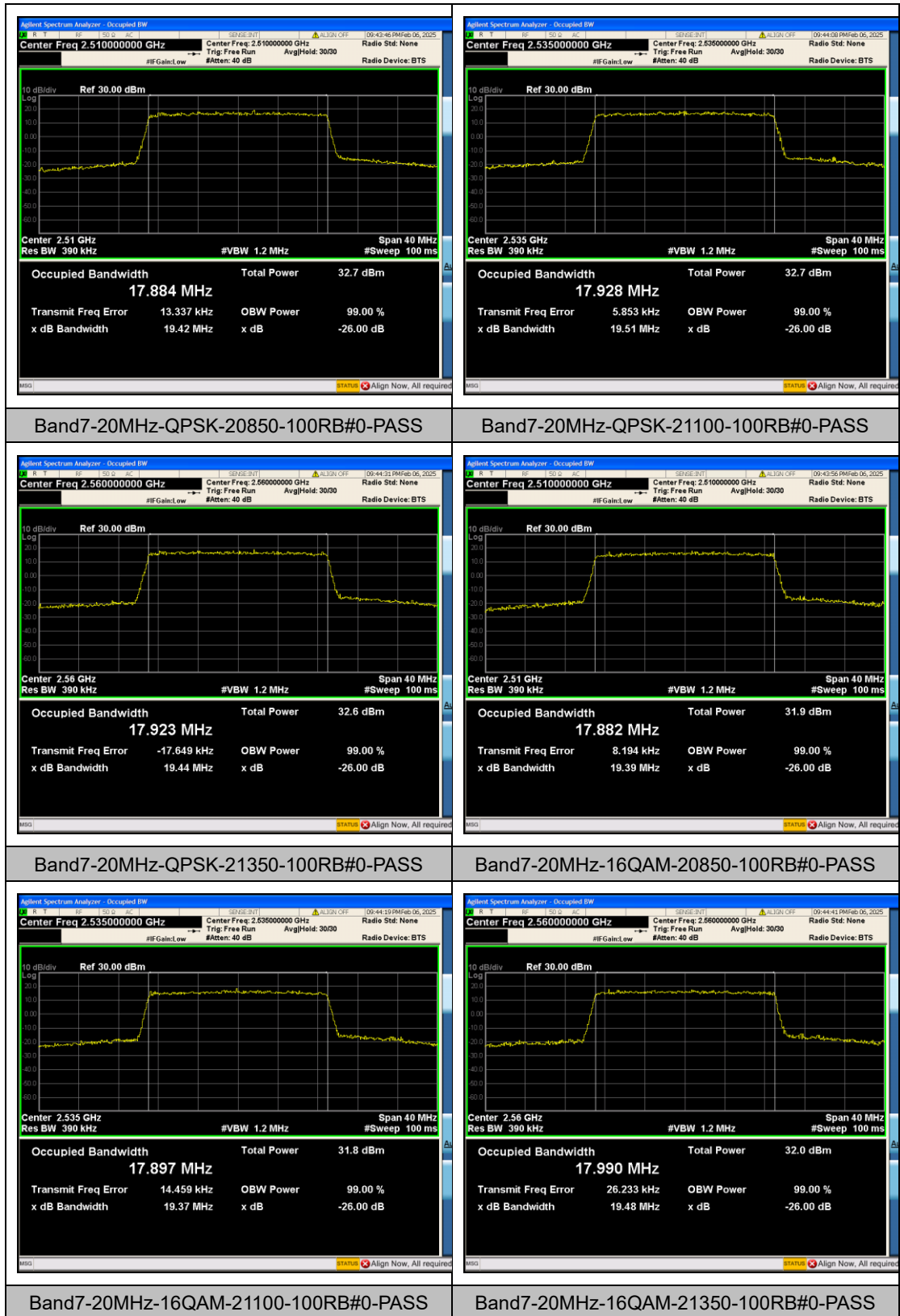
## Test Graphs









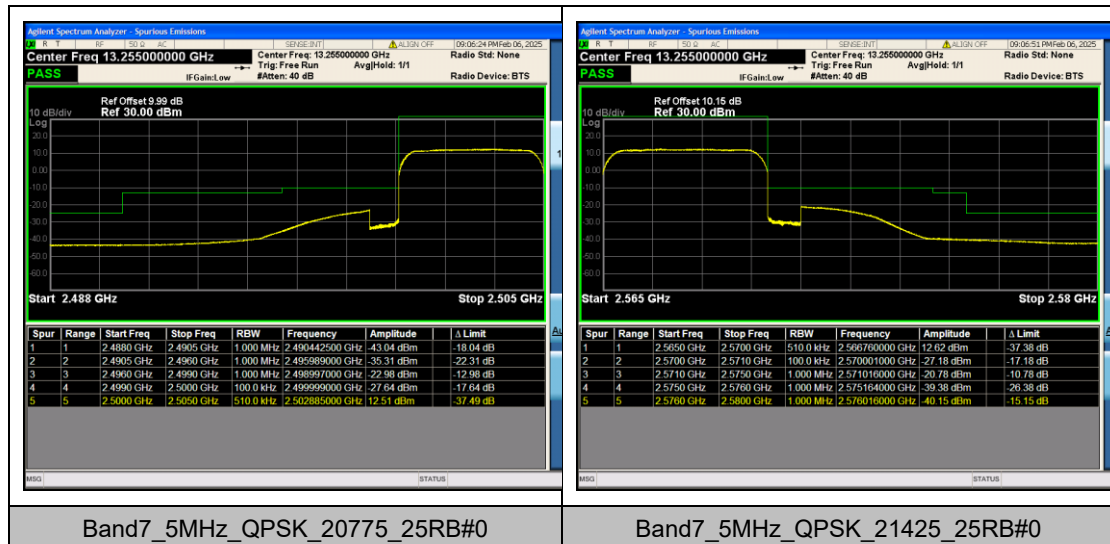


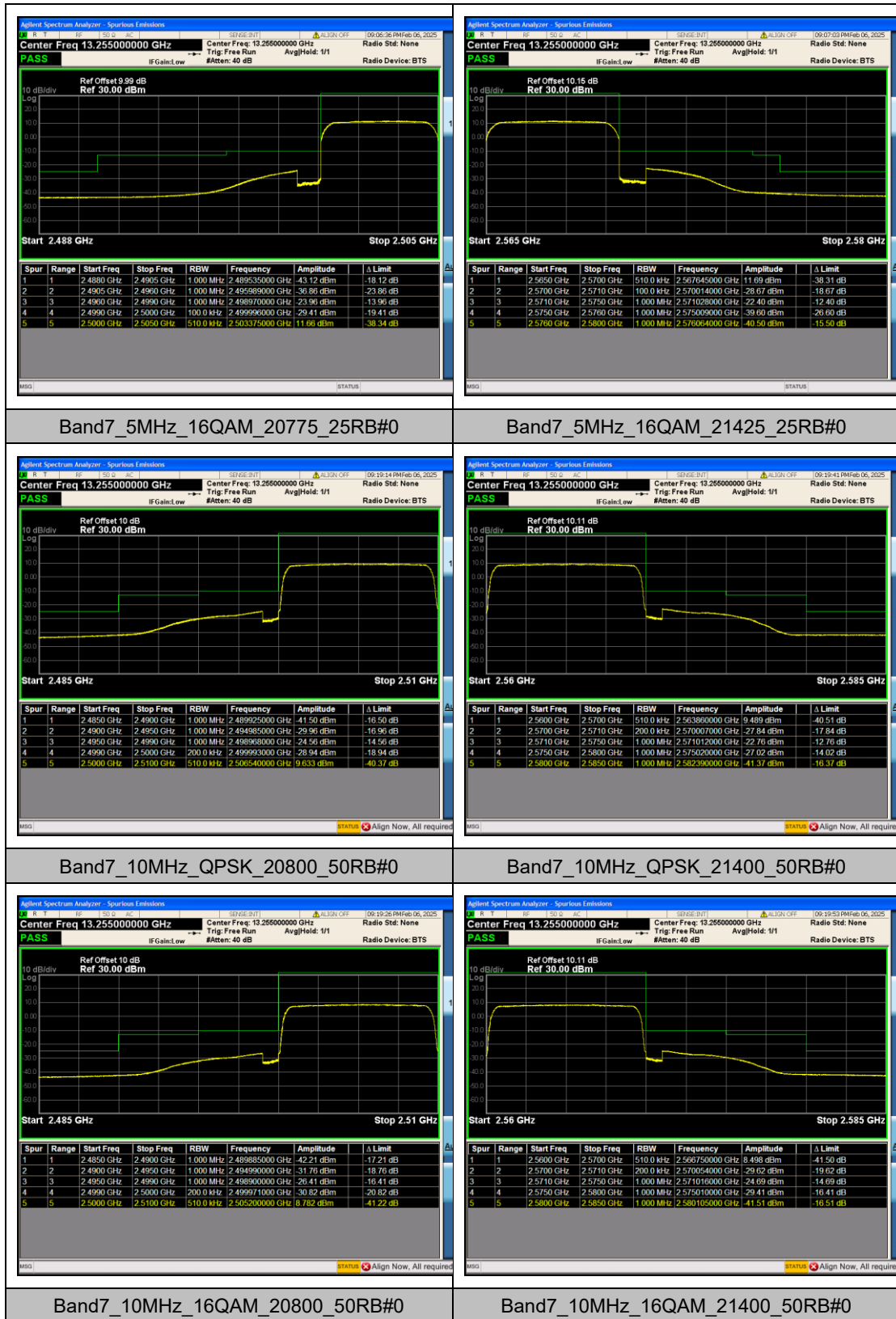
## Appendix D: Band Edge

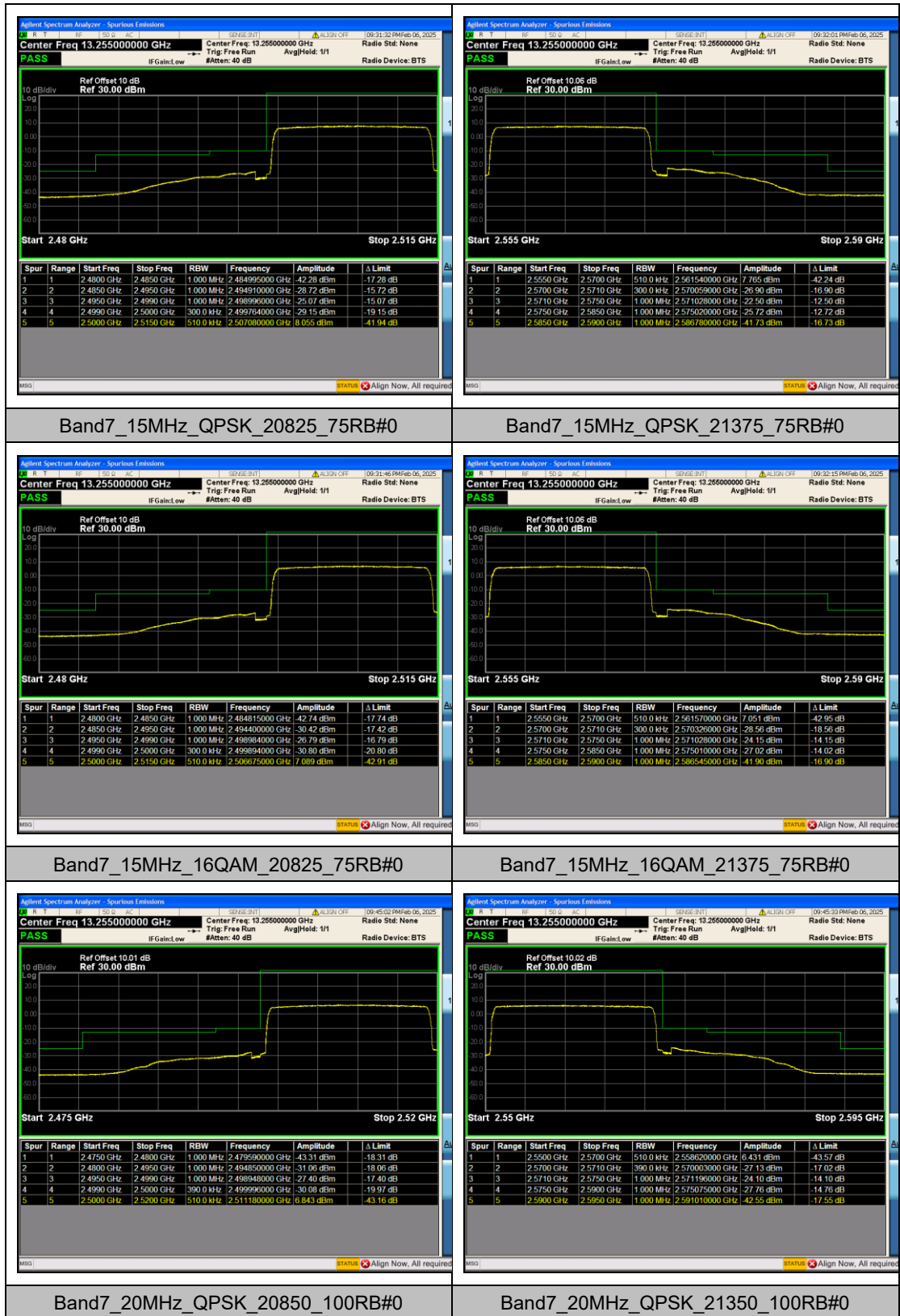
### Test Result

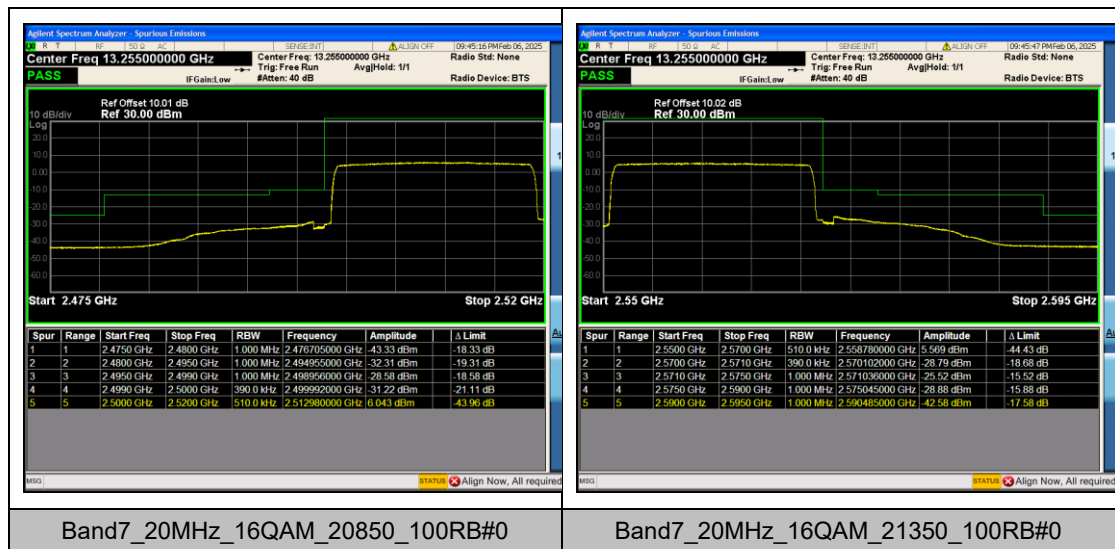
| Band  | Bandwidth | Modulation | Channel | RB Configuration | Result(dBm) | Verdict |
|-------|-----------|------------|---------|------------------|-------------|---------|
| Band7 | 5MHz      | QPSK       | 20775   | 25RB#0           | -22.98      | PASS    |
| Band7 | 5MHz      | QPSK       | 21425   | 25RB#0           | -20.78      | PASS    |
| Band7 | 5MHz      | 16QAM      | 20775   | 25RB#0           | -23.96      | PASS    |
| Band7 | 5MHz      | 16QAM      | 21425   | 25RB#0           | -22.40      | PASS    |
| Band7 | 10MHz     | QPSK       | 20800   | 50RB#0           | -24.56      | PASS    |
| Band7 | 10MHz     | QPSK       | 21400   | 50RB#0           | -22.76      | PASS    |
| Band7 | 10MHz     | 16QAM      | 20800   | 50RB#0           | -26.41      | PASS    |
| Band7 | 10MHz     | 16QAM      | 21400   | 50RB#0           | -24.69      | PASS    |
| Band7 | 15MHz     | QPSK       | 20825   | 75RB#0           | -25.07      | PASS    |
| Band7 | 15MHz     | QPSK       | 21375   | 75RB#0           | -22.50      | PASS    |
| Band7 | 15MHz     | 16QAM      | 20825   | 75RB#0           | -26.79      | PASS    |
| Band7 | 15MHz     | 16QAM      | 21375   | 75RB#0           | -27.02      | PASS    |
| Band7 | 20MHz     | QPSK       | 20850   | 100RB#0          | -27.40      | PASS    |
| Band7 | 20MHz     | QPSK       | 21350   | 100RB#0          | -24.10      | PASS    |
| Band7 | 20MHz     | 16QAM      | 20850   | 100RB#0          | -43.33      | PASS    |
| Band7 | 20MHz     | 16QAM      | 21350   | 100RB#0          | -25.52      | PASS    |

### Test Graphs











## Appendix E: Conducted Spurious Emission

### Test Result

| Band  | Bandwidth | Modulation | Channel | RB Configuration | Frequency Range | Result (dBm) | Verdict |
|-------|-----------|------------|---------|------------------|-----------------|--------------|---------|
| Band7 | 5MHz      | QPSK       | 20775   | 25RB#0           | 0.009~0.15      | -66.40       | PASS    |
| Band7 | 5MHz      | QPSK       | 20775   | 25RB#0           | 0.15~30         | -62.48       | PASS    |
| Band7 | 5MHz      | QPSK       | 20775   | 25RB#0           | 30~1000         | -61.67       | PASS    |
| Band7 | 5MHz      | QPSK       | 20775   | 25RB#0           | 1000~20000      | -38.19       | PASS    |
| Band7 | 5MHz      | QPSK       | 20775   | 25RB#0           | 20000~27000     | -32.05       | PASS    |
| Band7 | 5MHz      | QPSK       | 21100   | 25RB#0           | 0.009~0.15      | -65.21       | PASS    |
| Band7 | 5MHz      | QPSK       | 21100   | 25RB#0           | 0.15~30         | -63.85       | PASS    |
| Band7 | 5MHz      | QPSK       | 21100   | 25RB#0           | 30~1000         | -62.26       | PASS    |
| Band7 | 5MHz      | QPSK       | 21100   | 25RB#0           | 1000~20000      | -38.74       | PASS    |
| Band7 | 5MHz      | QPSK       | 21100   | 25RB#0           | 20000~27000     | -32.49       | PASS    |
| Band7 | 5MHz      | QPSK       | 21425   | 25RB#0           | 0.009~0.15      | -66.52       | PASS    |
| Band7 | 5MHz      | QPSK       | 21425   | 25RB#0           | 0.15~30         | -61.51       | PASS    |
| Band7 | 5MHz      | QPSK       | 21425   | 25RB#0           | 30~1000         | -61.65       | PASS    |
| Band7 | 5MHz      | QPSK       | 21425   | 25RB#0           | 1000~20000      | -38.43       | PASS    |
| Band7 | 5MHz      | QPSK       | 21425   | 25RB#0           | 20000~27000     | -32.50       | PASS    |
| Band7 | 5MHz      | 16QAM      | 20775   | 25RB#0           | 0.009~0.15      | -68.38       | PASS    |
| Band7 | 5MHz      | 16QAM      | 20775   | 25RB#0           | 0.15~30         | -63.45       | PASS    |
| Band7 | 5MHz      | 16QAM      | 20775   | 25RB#0           | 30~1000         | -62.22       | PASS    |
| Band7 | 5MHz      | 16QAM      | 20775   | 25RB#0           | 1000~20000      | -38.73       | PASS    |
| Band7 | 5MHz      | 16QAM      | 20775   | 25RB#0           | 20000~27000     | -32.01       | PASS    |
| Band7 | 5MHz      | 16QAM      | 21100   | 25RB#0           | 0.009~0.15      | -68.30       | PASS    |
| Band7 | 5MHz      | 16QAM      | 21100   | 25RB#0           | 0.15~30         | -64.15       | PASS    |
| Band7 | 5MHz      | 16QAM      | 21100   | 25RB#0           | 30~1000         | -62.29       | PASS    |
| Band7 | 5MHz      | 16QAM      | 21100   | 25RB#0           | 1000~20000      | -38.16       | PASS    |
| Band7 | 5MHz      | 16QAM      | 21100   | 25RB#0           | 20000~27000     | -32.22       | PASS    |
| Band7 | 5MHz      | 16QAM      | 21425   | 25RB#0           | 0.009~0.15      | -65.38       | PASS    |
| Band7 | 5MHz      | 16QAM      | 21425   | 25RB#0           | 0.15~30         | -64.84       | PASS    |
| Band7 | 5MHz      | 16QAM      | 21425   | 25RB#0           | 30~1000         | -61.74       | PASS    |
| Band7 | 5MHz      | 16QAM      | 21425   | 25RB#0           | 1000~20000      | -38.76       | PASS    |
| Band7 | 5MHz      | 16QAM      | 21425   | 25RB#0           | 20000~27000     | -32.38       | PASS    |
| Band7 | 10MHz     | QPSK       | 20800   | 50RB#0           | 0.009~0.15      | -70.41       | PASS    |
| Band7 | 10MHz     | QPSK       | 20800   | 50RB#0           | 0.15~30         | -62.62       | PASS    |
| Band7 | 10MHz     | QPSK       | 20800   | 50RB#0           | 30~1000         | -61.98       | PASS    |
| Band7 | 10MHz     | QPSK       | 20800   | 50RB#0           | 1000~20000      | -38.75       | PASS    |
| Band7 | 10MHz     | QPSK       | 20800   | 50RB#0           | 20000~27000     | -32.19       | PASS    |
| Band7 | 10MHz     | QPSK       | 21100   | 50RB#0           | 0.009~0.15      | -68.51       | PASS    |



|       |       |       |       |        |             |        |      |
|-------|-------|-------|-------|--------|-------------|--------|------|
| Band7 | 10MHz | QPSK  | 21100 | 50RB#0 | 0.15~30     | -62.99 | PASS |
| Band7 | 10MHz | QPSK  | 21100 | 50RB#0 | 30~1000     | -61.98 | PASS |
| Band7 | 10MHz | QPSK  | 21100 | 50RB#0 | 1000~20000  | -38.70 | PASS |
| Band7 | 10MHz | QPSK  | 21100 | 50RB#0 | 20000~27000 | -32.63 | PASS |
| Band7 | 10MHz | QPSK  | 21400 | 50RB#0 | 0.009~0.15  | -64.43 | PASS |
| Band7 | 10MHz | QPSK  | 21400 | 50RB#0 | 0.15~30     | -63.01 | PASS |
| Band7 | 10MHz | QPSK  | 21400 | 50RB#0 | 30~1000     | -61.94 | PASS |
| Band7 | 10MHz | QPSK  | 21400 | 50RB#0 | 1000~20000  | -38.90 | PASS |
| Band7 | 10MHz | QPSK  | 21400 | 50RB#0 | 20000~27000 | -32.04 | PASS |
| Band7 | 10MHz | 16QAM | 20800 | 50RB#0 | 0.009~0.15  | -69.06 | PASS |
| Band7 | 10MHz | 16QAM | 20800 | 50RB#0 | 0.15~30     | -63.69 | PASS |
| Band7 | 10MHz | 16QAM | 20800 | 50RB#0 | 30~1000     | -62.20 | PASS |
| Band7 | 10MHz | 16QAM | 20800 | 50RB#0 | 1000~20000  | -38.48 | PASS |
| Band7 | 10MHz | 16QAM | 20800 | 50RB#0 | 20000~27000 | -32.49 | PASS |
| Band7 | 10MHz | 16QAM | 21100 | 50RB#0 | 0.009~0.15  | -69.57 | PASS |
| Band7 | 10MHz | 16QAM | 21100 | 50RB#0 | 0.15~30     | -63.61 | PASS |
| Band7 | 10MHz | 16QAM | 21100 | 50RB#0 | 30~1000     | -62.13 | PASS |
| Band7 | 10MHz | 16QAM | 21100 | 50RB#0 | 1000~20000  | -38.33 | PASS |
| Band7 | 10MHz | 16QAM | 21100 | 50RB#0 | 20000~27000 | -32.42 | PASS |
| Band7 | 10MHz | 16QAM | 21400 | 50RB#0 | 0.009~0.15  | -66.95 | PASS |
| Band7 | 10MHz | 16QAM | 21400 | 50RB#0 | 0.15~30     | -62.60 | PASS |
| Band7 | 10MHz | 16QAM | 21400 | 50RB#0 | 30~1000     | -62.02 | PASS |
| Band7 | 10MHz | 16QAM | 21400 | 50RB#0 | 1000~20000  | -38.77 | PASS |
| Band7 | 10MHz | 16QAM | 21400 | 50RB#0 | 20000~27000 | -32.24 | PASS |
| Band7 | 15MHz | QPSK  | 20825 | 75RB#0 | 0.009~0.15  | -68.85 | PASS |
| Band7 | 15MHz | QPSK  | 20825 | 75RB#0 | 0.15~30     | -65.33 | PASS |
| Band7 | 15MHz | QPSK  | 20825 | 75RB#0 | 30~1000     | -61.99 | PASS |
| Band7 | 15MHz | QPSK  | 20825 | 75RB#0 | 1000~20000  | -38.63 | PASS |
| Band7 | 15MHz | QPSK  | 20825 | 75RB#0 | 20000~27000 | -32.25 | PASS |
| Band7 | 15MHz | QPSK  | 21100 | 75RB#0 | 0.009~0.15  | -70.19 | PASS |
| Band7 | 15MHz | QPSK  | 21100 | 75RB#0 | 0.15~30     | -63.94 | PASS |
| Band7 | 15MHz | QPSK  | 21100 | 75RB#0 | 30~1000     | -61.98 | PASS |
| Band7 | 15MHz | QPSK  | 21100 | 75RB#0 | 1000~20000  | -38.77 | PASS |
| Band7 | 15MHz | QPSK  | 21100 | 75RB#0 | 20000~27000 | -32.30 | PASS |
| Band7 | 15MHz | QPSK  | 21375 | 75RB#0 | 0.009~0.15  | -63.26 | PASS |
| Band7 | 15MHz | QPSK  | 21375 | 75RB#0 | 0.15~30     | -62.80 | PASS |
| Band7 | 15MHz | QPSK  | 21375 | 75RB#0 | 30~1000     | -61.84 | PASS |
| Band7 | 15MHz | QPSK  | 21375 | 75RB#0 | 1000~20000  | -38.64 | PASS |
| Band7 | 15MHz | QPSK  | 21375 | 75RB#0 | 20000~27000 | -32.41 | PASS |
| Band7 | 15MHz | 16QAM | 20825 | 75RB#0 | 0.009~0.15  | -69.66 | PASS |
| Band7 | 15MHz | 16QAM | 20825 | 75RB#0 | 0.15~30     | -64.64 | PASS |
| Band7 | 15MHz | 16QAM | 20825 | 75RB#0 | 30~1000     | -61.82 | PASS |
| Band7 | 15MHz | 16QAM | 20825 | 75RB#0 | 1000~20000  | -38.34 | PASS |

|       |       |       |       |         |             |        |      |
|-------|-------|-------|-------|---------|-------------|--------|------|
| Band7 | 15MHz | 16QAM | 20825 | 75RB#0  | 20000~27000 | -32.46 | PASS |
| Band7 | 15MHz | 16QAM | 21100 | 75RB#0  | 0.009~0.15  | -69.19 | PASS |
| Band7 | 15MHz | 16QAM | 21100 | 75RB#0  | 0.15~30     | -63.65 | PASS |
| Band7 | 15MHz | 16QAM | 21100 | 75RB#0  | 30~1000     | -62.18 | PASS |
| Band7 | 15MHz | 16QAM | 21100 | 75RB#0  | 1000~20000  | -38.60 | PASS |
| Band7 | 15MHz | 16QAM | 21100 | 75RB#0  | 20000~27000 | -32.06 | PASS |
| Band7 | 15MHz | 16QAM | 21375 | 75RB#0  | 0.009~0.15  | -67.11 | PASS |
| Band7 | 15MHz | 16QAM | 21375 | 75RB#0  | 0.15~30     | -64.27 | PASS |
| Band7 | 15MHz | 16QAM | 21375 | 75RB#0  | 30~1000     | -62.04 | PASS |
| Band7 | 15MHz | 16QAM | 21375 | 75RB#0  | 1000~20000  | -38.56 | PASS |
| Band7 | 15MHz | 16QAM | 21375 | 75RB#0  | 20000~27000 | -32.27 | PASS |
| Band7 | 20MHz | QPSK  | 20850 | 100RB#0 | 0.009~0.15  | -66.13 | PASS |
| Band7 | 20MHz | QPSK  | 20850 | 100RB#0 | 0.15~30     | -62.53 | PASS |
| Band7 | 20MHz | QPSK  | 20850 | 100RB#0 | 30~1000     | -62.03 | PASS |
| Band7 | 20MHz | QPSK  | 20850 | 100RB#0 | 1000~20000  | -38.40 | PASS |
| Band7 | 20MHz | QPSK  | 20850 | 100RB#0 | 20000~27000 | -32.35 | PASS |
| Band7 | 20MHz | QPSK  | 21100 | 100RB#0 | 0.009~0.15  | -69.82 | PASS |
| Band7 | 20MHz | QPSK  | 21100 | 100RB#0 | 0.15~30     | -63.57 | PASS |
| Band7 | 20MHz | QPSK  | 21100 | 100RB#0 | 30~1000     | -61.92 | PASS |
| Band7 | 20MHz | QPSK  | 21100 | 100RB#0 | 1000~20000  | -38.58 | PASS |
| Band7 | 20MHz | QPSK  | 21100 | 100RB#0 | 20000~27000 | -32.39 | PASS |
| Band7 | 20MHz | QPSK  | 21350 | 100RB#0 | 0.009~0.15  | -66.85 | PASS |
| Band7 | 20MHz | QPSK  | 21350 | 100RB#0 | 0.15~30     | -61.95 | PASS |
| Band7 | 20MHz | QPSK  | 21350 | 100RB#0 | 30~1000     | -61.67 | PASS |
| Band7 | 20MHz | QPSK  | 21350 | 100RB#0 | 1000~20000  | -38.48 | PASS |
| Band7 | 20MHz | QPSK  | 21350 | 100RB#0 | 20000~27000 | -32.32 | PASS |
| Band7 | 20MHz | 16QAM | 20850 | 100RB#0 | 0.009~0.15  | -67.14 | PASS |
| Band7 | 20MHz | 16QAM | 20850 | 100RB#0 | 0.15~30     | -65.21 | PASS |
| Band7 | 20MHz | 16QAM | 20850 | 100RB#0 | 30~1000     | -62.20 | PASS |
| Band7 | 20MHz | 16QAM | 20850 | 100RB#0 | 1000~20000  | -38.58 | PASS |
| Band7 | 20MHz | 16QAM | 20850 | 100RB#0 | 20000~27000 | -32.30 | PASS |
| Band7 | 20MHz | 16QAM | 21100 | 100RB#0 | 0.009~0.15  | -67.33 | PASS |
| Band7 | 20MHz | 16QAM | 21100 | 100RB#0 | 0.15~30     | -65.79 | PASS |
| Band7 | 20MHz | 16QAM | 21100 | 100RB#0 | 30~1000     | -62.16 | PASS |
| Band7 | 20MHz | 16QAM | 21100 | 100RB#0 | 1000~20000  | -38.58 | PASS |
| Band7 | 20MHz | 16QAM | 21100 | 100RB#0 | 20000~27000 | -31.92 | PASS |
| Band7 | 20MHz | 16QAM | 21350 | 100RB#0 | 0.009~0.15  | -67.27 | PASS |
| Band7 | 20MHz | 16QAM | 21350 | 100RB#0 | 0.15~30     | -62.57 | PASS |
| Band7 | 20MHz | 16QAM | 21350 | 100RB#0 | 30~1000     | -61.70 | PASS |
| Band7 | 20MHz | 16QAM | 21350 | 100RB#0 | 1000~20000  | -38.59 | PASS |
| Band7 | 20MHz | 16QAM | 21350 | 100RB#0 | 20000~27000 | -32.18 | PASS |