

## **FCC Appendix RF Test Data for LTE Band 17**

**FCC ID** : 2BT4L-M5-CX

**Company** : Infinity Mobile Limited

**EUT** : Portable WIFI

**Model Number** : M5-CX

**Report No.** : CTA25103000207

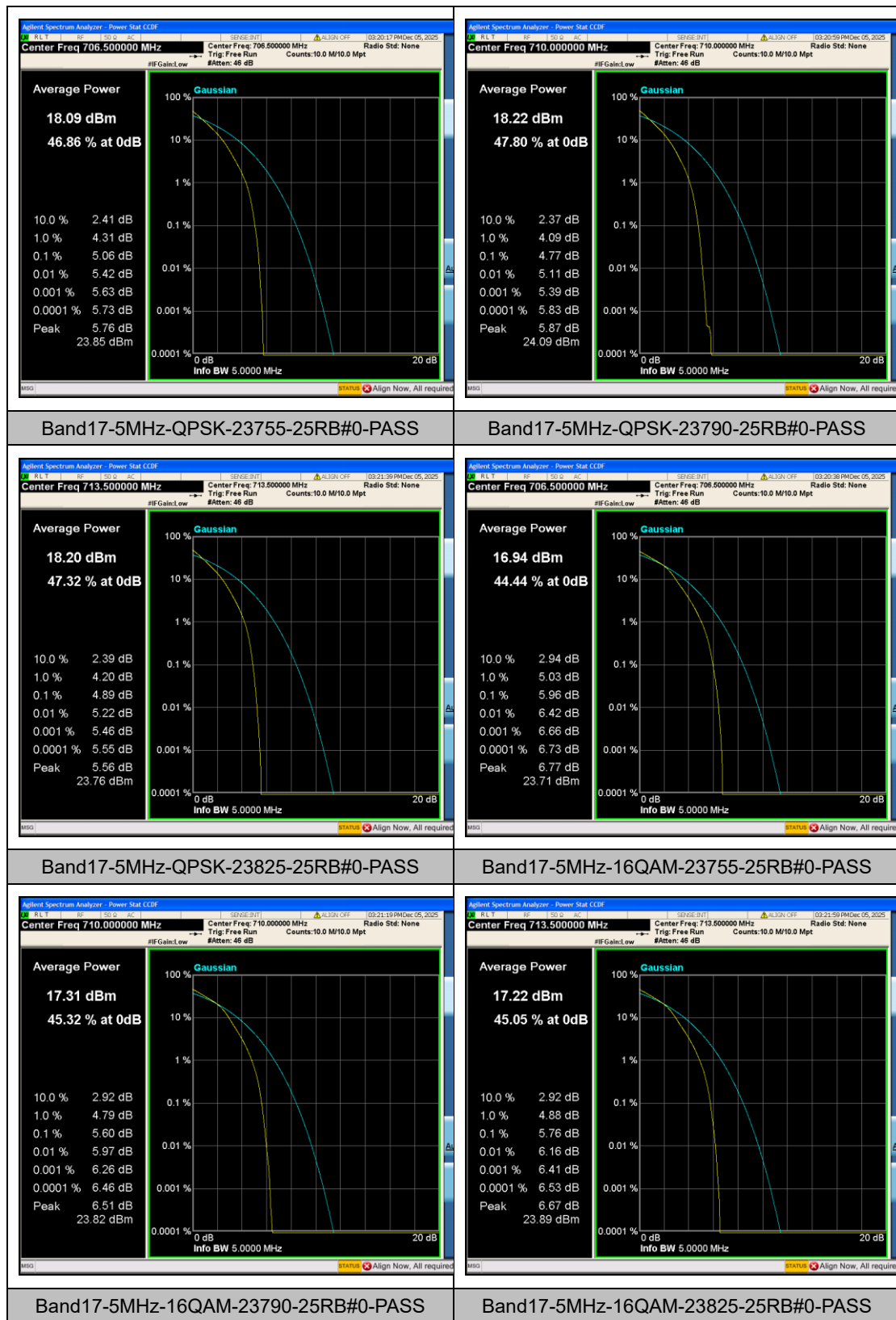
**Reviewed By** : Eric Wang

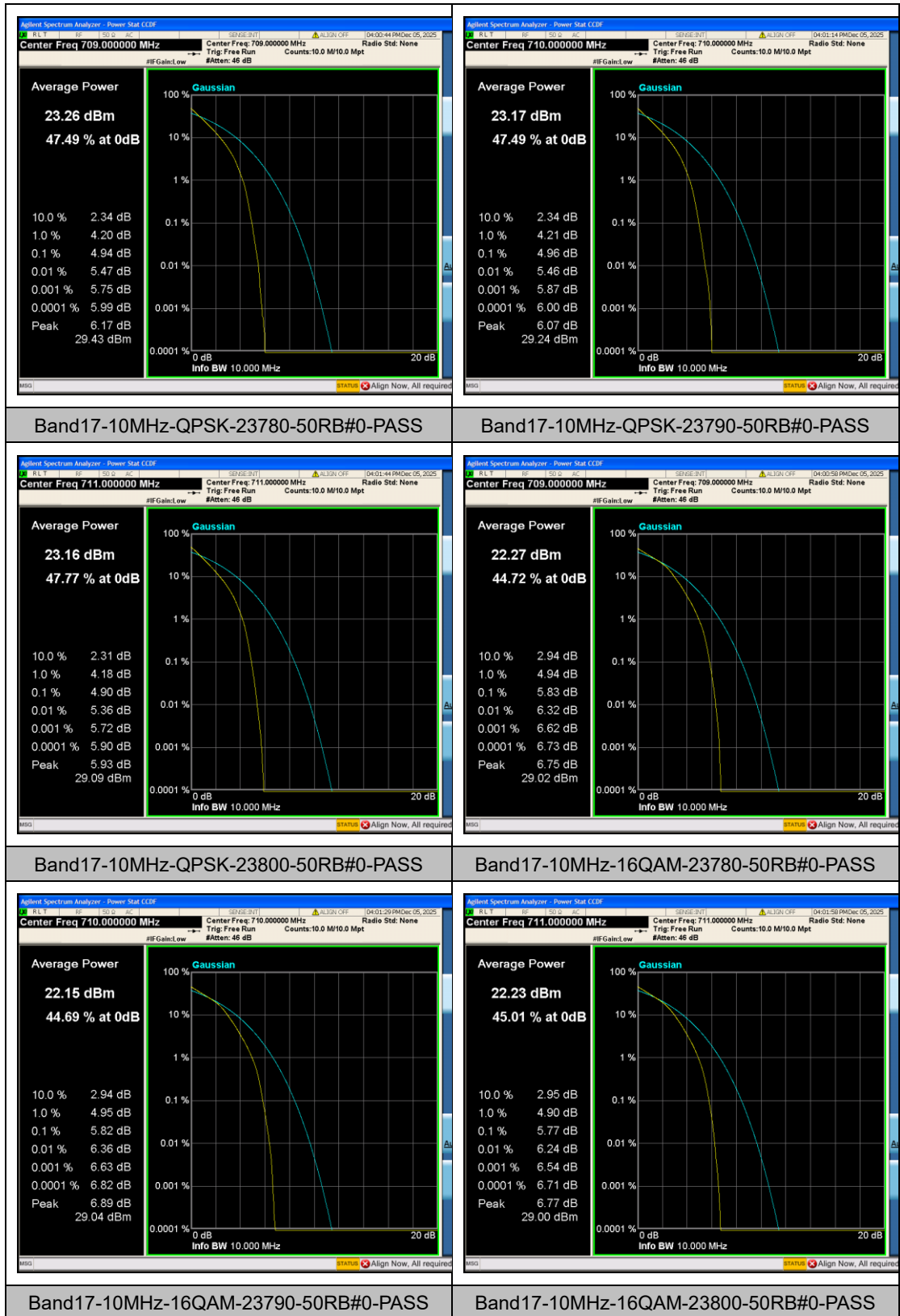
## Appendix B: Peak-to-Average Ratio(CCDF)

### Test Result

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|--------|-----------|------------|---------|------------------|------------|-----------|---------|
| Band17 | 5MHz      | QPSK       | 23755   | 25RB#0           | 5.06       | 13        | PASS    |
| Band17 | 5MHz      | QPSK       | 23790   | 25RB#0           | 4.77       | 13        | PASS    |
| Band17 | 5MHz      | QPSK       | 23825   | 25RB#0           | 4.89       | 13        | PASS    |
| Band17 | 5MHz      | 16QAM      | 23755   | 25RB#0           | 5.96       | 13        | PASS    |
| Band17 | 5MHz      | 16QAM      | 23790   | 25RB#0           | 5.60       | 13        | PASS    |
| Band17 | 5MHz      | 16QAM      | 23825   | 25RB#0           | 5.76       | 13        | PASS    |
| Band17 | 10MHz     | QPSK       | 23780   | 50RB#0           | 4.94       | 13        | PASS    |
| Band17 | 10MHz     | QPSK       | 23790   | 50RB#0           | 4.96       | 13        | PASS    |
| Band17 | 10MHz     | QPSK       | 23800   | 50RB#0           | 4.90       | 13        | PASS    |
| Band17 | 10MHz     | 16QAM      | 23780   | 50RB#0           | 5.83       | 13        | PASS    |
| Band17 | 10MHz     | 16QAM      | 23790   | 50RB#0           | 5.82       | 13        | PASS    |
| Band17 | 10MHz     | 16QAM      | 23800   | 50RB#0           | 5.77       | 13        | PASS    |

## Test Graphs



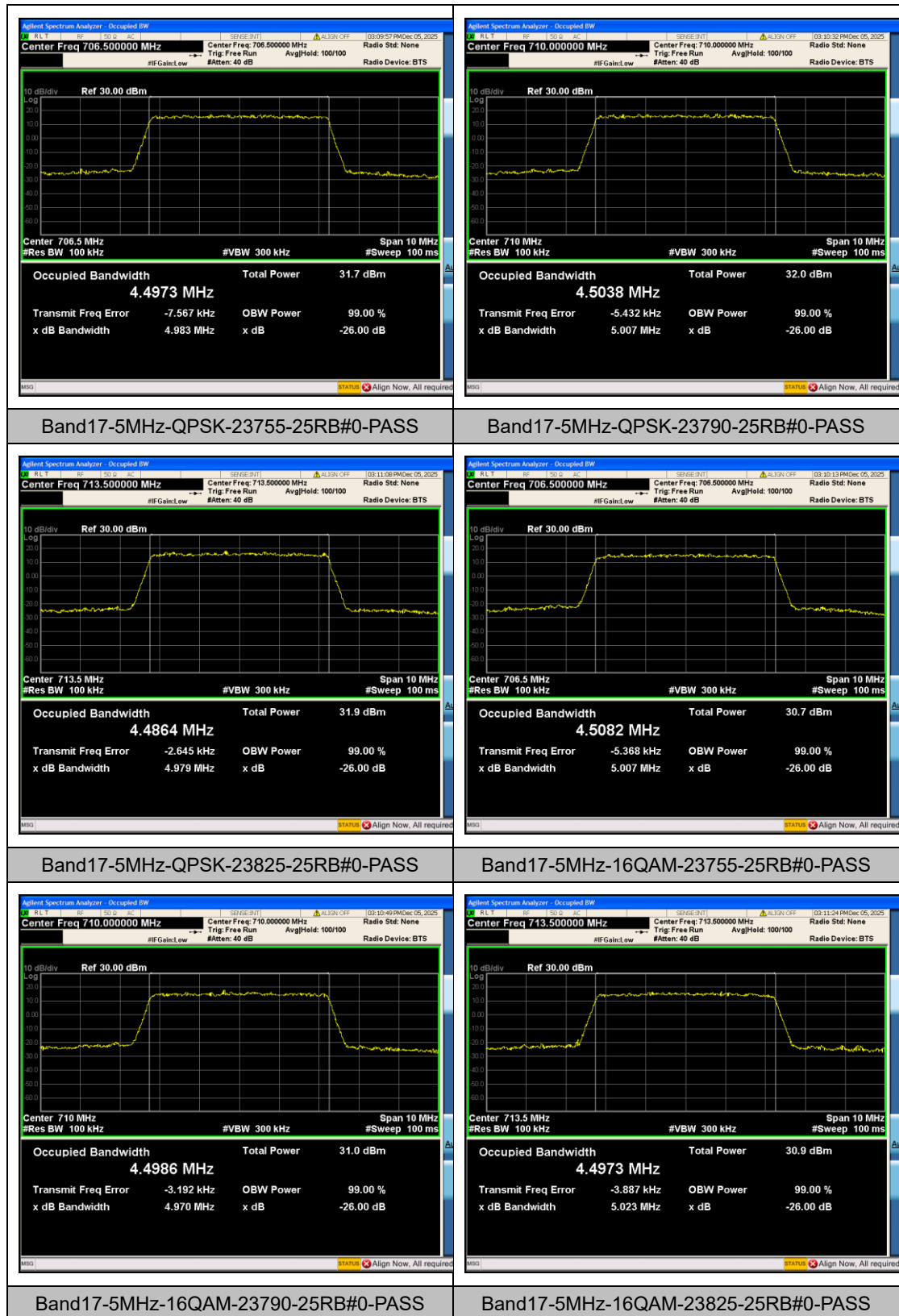


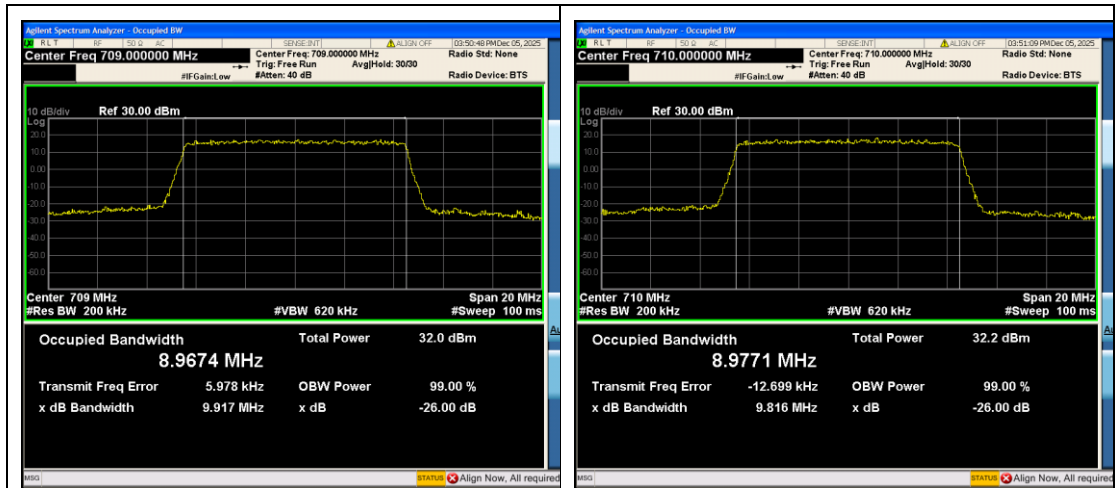
## Appendix C: 26dB Bandwidth and Occupied Bandwidth

### Test Result

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|--------|-----------|------------|---------|------------------|--------------------------|----------------------|---------|
| Band17 | 5MHz      | QPSK       | 23755   | 25RB#0           | 4.4973                   | 4.983                | PASS    |
| Band17 | 5MHz      | QPSK       | 23790   | 25RB#0           | 4.5038                   | 5.007                | PASS    |
| Band17 | 5MHz      | QPSK       | 23825   | 25RB#0           | 4.4864                   | 4.979                | PASS    |
| Band17 | 5MHz      | 16QAM      | 23755   | 25RB#0           | 4.5082                   | 5.007                | PASS    |
| Band17 | 5MHz      | 16QAM      | 23790   | 25RB#0           | 4.4986                   | 4.970                | PASS    |
| Band17 | 5MHz      | 16QAM      | 23825   | 25RB#0           | 4.4973                   | 5.023                | PASS    |
| Band17 | 10MHz     | QPSK       | 23780   | 50RB#0           | 8.9674                   | 9.917                | PASS    |
| Band17 | 10MHz     | QPSK       | 23790   | 50RB#0           | 8.9771                   | 9.816                | PASS    |
| Band17 | 10MHz     | QPSK       | 23800   | 50RB#0           | 8.9561                   | 9.875                | PASS    |
| Band17 | 10MHz     | 16QAM      | 23780   | 50RB#0           | 8.9667                   | 9.824                | PASS    |
| Band17 | 10MHz     | 16QAM      | 23790   | 50RB#0           | 8.9684                   | 9.881                | PASS    |
| Band17 | 10MHz     | 16QAM      | 23800   | 50RB#0           | 8.9541                   | 9.830                | PASS    |

## Test Graphs





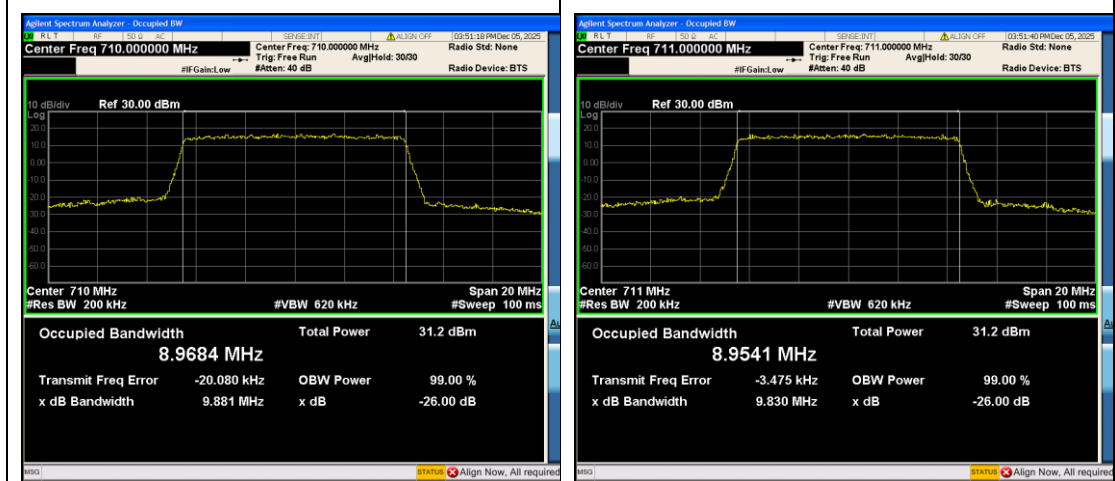
Band17-10MHz-QPSK-23780-50RB#0-PASS

Band17-10MHz-QPSK-23790-50RB#0-PASS



Band17-10MHz-QPSK-23800-50RB#0-PASS

Band17-10MHz-16QAM-23780-50RB#0-PASS



Band17-10MHz-16QAM-23790-50RB#0-PASS

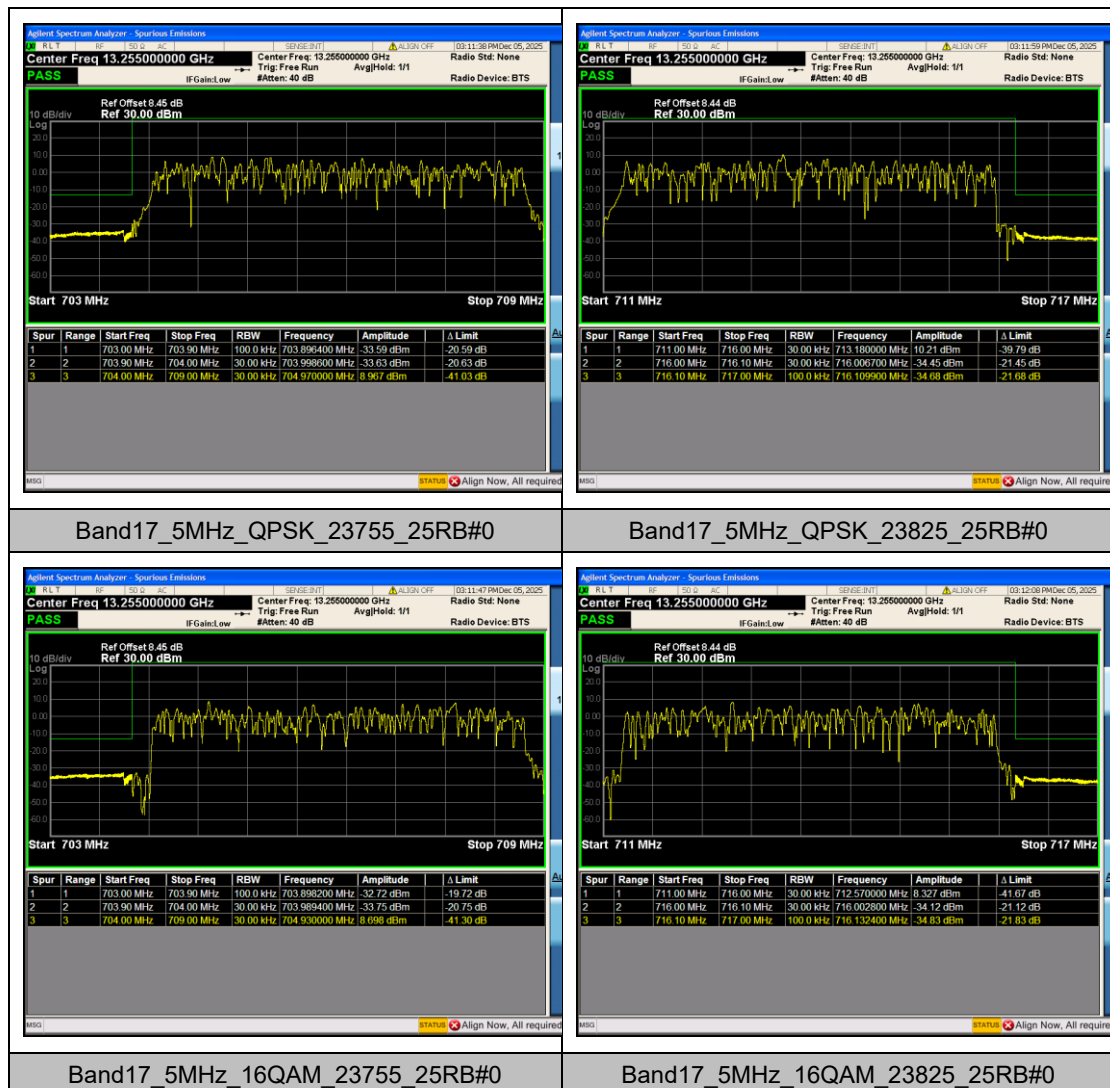
Band17-10MHz-16QAM-23800-50RB#0-PASS

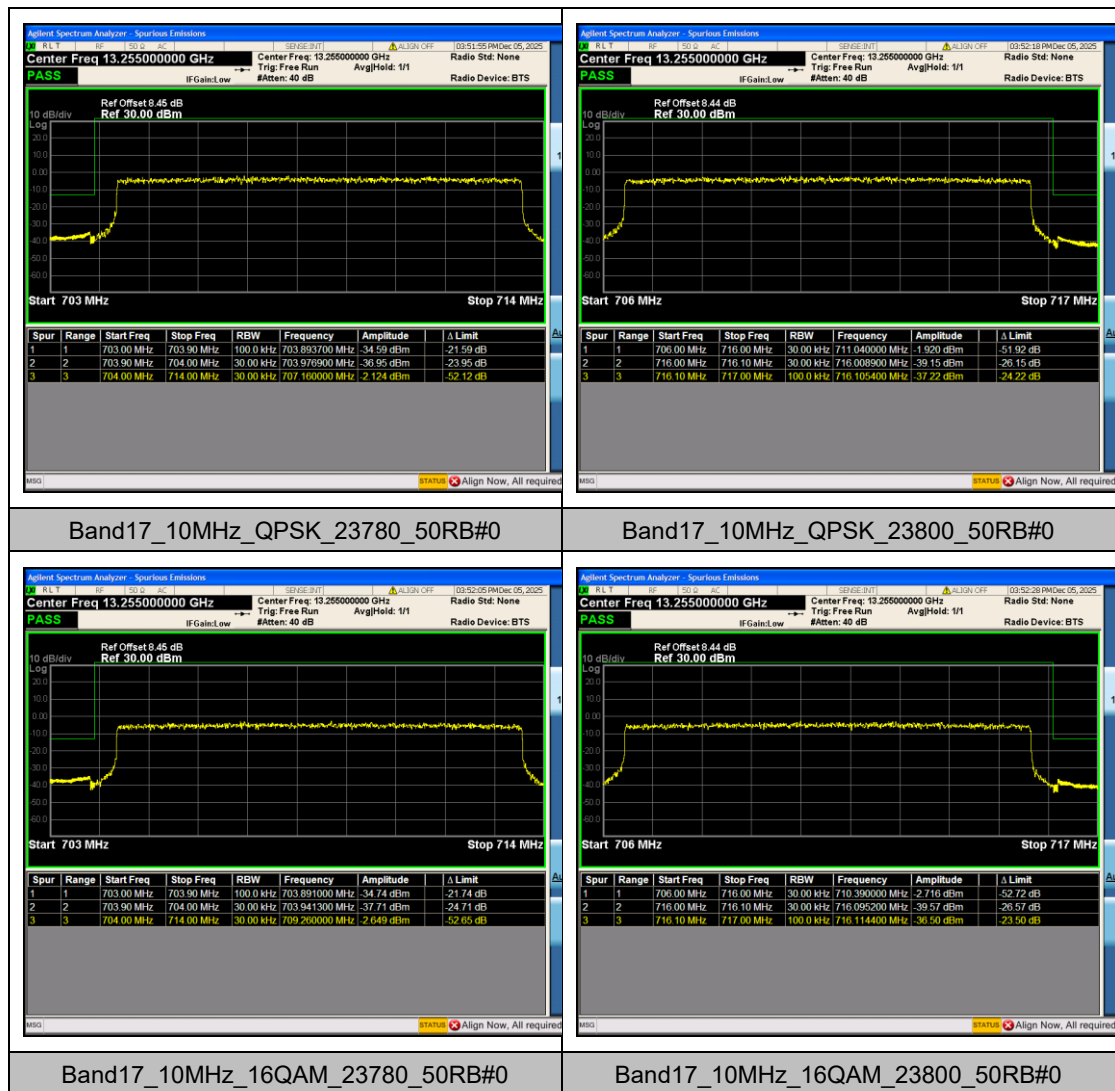
## Appendix D: Band Edge

### Test Result

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Result(dBm) | Verdict |
|--------|-----------|------------|---------|------------------|-------------|---------|
| Band17 | 5MHz      | QPSK       | 23755   | 25RB#0           | -33.59      | PASS    |
| Band17 | 5MHz      | QPSK       | 23825   | 25RB#0           | -34.45      | PASS    |
| Band17 | 5MHz      | 16QAM      | 23755   | 25RB#0           | -32.72      | PASS    |
| Band17 | 5MHz      | 16QAM      | 23825   | 25RB#0           | -34.12      | PASS    |
| Band17 | 10MHz     | QPSK       | 23780   | 50RB#0           | -34.59      | PASS    |
| Band17 | 10MHz     | QPSK       | 23800   | 50RB#0           | -37.22      | PASS    |
| Band17 | 10MHz     | 16QAM      | 23780   | 50RB#0           | -34.74      | PASS    |
| Band17 | 10MHz     | 16QAM      | 23800   | 50RB#0           | -36.50      | PASS    |

### Test Graphs





## Appendix E: Conducted Spurious Emission

### Test Result

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Frequency Range | Result (dBm) | Verdict |
|--------|-----------|------------|---------|------------------|-----------------|--------------|---------|
| Band17 | 5MHz      | QPSK       | 23755   | 25RB#0           | 0.009~0.15      | -43.38       | PASS    |
| Band17 | 5MHz      | QPSK       | 23755   | 25RB#0           | 0.15~30         | -51.99       | PASS    |
| Band17 | 5MHz      | QPSK       | 23755   | 25RB#0           | 30~1000         | -54.15       | PASS    |
| Band17 | 5MHz      | QPSK       | 23755   | 25RB#0           | 1000~3000       | -46.83       | PASS    |
| Band17 | 5MHz      | QPSK       | 23755   | 25RB#0           | 3000~10000      | -43.89       | PASS    |
| Band17 | 5MHz      | QPSK       | 23790   | 25RB#0           | 0.009~0.15      | -41.79       | PASS    |
| Band17 | 5MHz      | QPSK       | 23790   | 25RB#0           | 0.15~30         | -54.21       | PASS    |
| Band17 | 5MHz      | QPSK       | 23790   | 25RB#0           | 30~1000         | -53.34       | PASS    |
| Band17 | 5MHz      | QPSK       | 23790   | 25RB#0           | 1000~3000       | -46.75       | PASS    |
| Band17 | 5MHz      | QPSK       | 23790   | 25RB#0           | 3000~10000      | -43.78       | PASS    |
| Band17 | 5MHz      | QPSK       | 23825   | 25RB#0           | 0.009~0.15      | -39.11       | PASS    |
| Band17 | 5MHz      | QPSK       | 23825   | 25RB#0           | 0.15~30         | -53.74       | PASS    |
| Band17 | 5MHz      | QPSK       | 23825   | 25RB#0           | 30~1000         | -53.88       | PASS    |
| Band17 | 5MHz      | QPSK       | 23825   | 25RB#0           | 1000~3000       | -46.86       | PASS    |
| Band17 | 5MHz      | QPSK       | 23825   | 25RB#0           | 3000~10000      | -44.01       | PASS    |
| Band17 | 5MHz      | 16QAM      | 23755   | 25RB#0           | 0.009~0.15      | -40.54       | PASS    |
| Band17 | 5MHz      | 16QAM      | 23755   | 25RB#0           | 0.15~30         | -53.32       | PASS    |
| Band17 | 5MHz      | 16QAM      | 23755   | 25RB#0           | 30~1000         | -56.29       | PASS    |
| Band17 | 5MHz      | 16QAM      | 23755   | 25RB#0           | 1000~3000       | -46.89       | PASS    |
| Band17 | 5MHz      | 16QAM      | 23755   | 25RB#0           | 3000~10000      | -43.85       | PASS    |
| Band17 | 5MHz      | 16QAM      | 23790   | 25RB#0           | 0.009~0.15      | -39.62       | PASS    |
| Band17 | 5MHz      | 16QAM      | 23790   | 25RB#0           | 0.15~30         | -53.16       | PASS    |
| Band17 | 5MHz      | 16QAM      | 23790   | 25RB#0           | 30~1000         | -56.50       | PASS    |
| Band17 | 5MHz      | 16QAM      | 23790   | 25RB#0           | 1000~3000       | -46.79       | PASS    |
| Band17 | 5MHz      | 16QAM      | 23790   | 25RB#0           | 3000~10000      | -44.10       | PASS    |
| Band17 | 5MHz      | 16QAM      | 23825   | 25RB#0           | 0.009~0.15      | -41.92       | PASS    |
| Band17 | 5MHz      | 16QAM      | 23825   | 25RB#0           | 0.15~30         | -52.58       | PASS    |
| Band17 | 5MHz      | 16QAM      | 23825   | 25RB#0           | 30~1000         | -58.33       | PASS    |
| Band17 | 5MHz      | 16QAM      | 23825   | 25RB#0           | 1000~3000       | -34.31       | PASS    |
| Band17 | 5MHz      | 16QAM      | 23825   | 25RB#0           | 3000~10000      | -44.03       | PASS    |
| Band17 | 10MHz     | QPSK       | 23780   | 50RB#0           | 0.009~0.15      | -39.59       | PASS    |
| Band17 | 10MHz     | QPSK       | 23780   | 50RB#0           | 0.15~30         | -54.85       | PASS    |
| Band17 | 10MHz     | QPSK       | 23780   | 50RB#0           | 30~1000         | -60.79       | PASS    |
| Band17 | 10MHz     | QPSK       | 23780   | 50RB#0           | 1000~3000       | -46.15       | PASS    |
| Band17 | 10MHz     | QPSK       | 23780   | 50RB#0           | 3000~10000      | -43.77       | PASS    |
| Band17 | 10MHz     | QPSK       | 23790   | 50RB#0           | 0.009~0.15      | -42.56       | PASS    |

|        |       |       |       |        |            |        |      |
|--------|-------|-------|-------|--------|------------|--------|------|
| Band17 | 10MHz | QPSK  | 23790 | 50RB#0 | 0.15~30    | -54.27 | PASS |
| Band17 | 10MHz | QPSK  | 23790 | 50RB#0 | 30~1000    | -57.90 | PASS |
| Band17 | 10MHz | QPSK  | 23790 | 50RB#0 | 1000~3000  | -47.02 | PASS |
| Band17 | 10MHz | QPSK  | 23790 | 50RB#0 | 3000~10000 | -43.97 | PASS |
| Band17 | 10MHz | QPSK  | 23800 | 50RB#0 | 0.009~0.15 | -42.96 | PASS |
| Band17 | 10MHz | QPSK  | 23800 | 50RB#0 | 0.15~30    | -53.20 | PASS |
| Band17 | 10MHz | QPSK  | 23800 | 50RB#0 | 30~1000    | -60.68 | PASS |
| Band17 | 10MHz | QPSK  | 23800 | 50RB#0 | 1000~3000  | -46.74 | PASS |
| Band17 | 10MHz | QPSK  | 23800 | 50RB#0 | 3000~10000 | -43.80 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 50RB#0 | 0.009~0.15 | -41.34 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 50RB#0 | 0.15~30    | -52.31 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 50RB#0 | 30~1000    | -60.69 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 50RB#0 | 1000~3000  | -47.01 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 50RB#0 | 3000~10000 | -43.52 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 50RB#0 | 0.009~0.15 | -42.81 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 50RB#0 | 0.15~30    | -51.70 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 50RB#0 | 30~1000    | -60.80 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 50RB#0 | 1000~3000  | -46.40 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 50RB#0 | 3000~10000 | -44.19 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 50RB#0 | 0.009~0.15 | -41.87 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 50RB#0 | 0.15~30    | -53.43 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 50RB#0 | 30~1000    | -59.70 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 50RB#0 | 1000~3000  | -46.88 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 50RB#0 | 3000~10000 | -43.62 | PASS |

## Test Graphs

