

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

**Company:** : Shenzhen Tuqiang IoT Technology Co., Ltd.

**EUT** : Rechargeable Tracker

**Model Number** : M501N

**FCC ID** : 2BTQO-M501N

**Report No.** : CTA25111402506

**Reviewed By** : Eric Wang

## Appendix A: Conducted Power Output Data

### Test Result

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Result(dBm) | Verdict |
|--------|-----------|------------|---------|------------------|-------------|---------|
| Band17 | 5MHz      | QPSK       | 23755   | 1RB#0            | 23.89       | PASS    |
| Band17 | 5MHz      | QPSK       | 23755   | 1RB#12           | 24.05       | PASS    |
| Band17 | 5MHz      | QPSK       | 23755   | 1RB#24           | 23.80       | PASS    |
| Band17 | 5MHz      | QPSK       | 23755   | 12RB#0           | 23.03       | PASS    |
| Band17 | 5MHz      | QPSK       | 23755   | 12RB#6           | 23.02       | PASS    |
| Band17 | 5MHz      | QPSK       | 23755   | 12RB#13          | 23.10       | PASS    |
| Band17 | 5MHz      | QPSK       | 23755   | 25RB#0           | 22.94       | PASS    |
| Band17 | 5MHz      | QPSK       | 23790   | 1RB#0            | 24.08       | PASS    |
| Band17 | 5MHz      | QPSK       | 23790   | 1RB#12           | 24.13       | PASS    |
| Band17 | 5MHz      | QPSK       | 23790   | 1RB#24           | 24.01       | PASS    |
| Band17 | 5MHz      | QPSK       | 23790   | 12RB#0           | 23.06       | PASS    |
| Band17 | 5MHz      | QPSK       | 23790   | 12RB#6           | 23.04       | PASS    |
| Band17 | 5MHz      | QPSK       | 23790   | 12RB#13          | 23.13       | PASS    |
| Band17 | 5MHz      | QPSK       | 23790   | 25RB#0           | 23.05       | PASS    |
| Band17 | 5MHz      | QPSK       | 23825   | 1RB#0            | 23.80       | PASS    |
| Band17 | 5MHz      | QPSK       | 23825   | 1RB#12           | 24.15       | PASS    |
| Band17 | 5MHz      | QPSK       | 23825   | 1RB#24           | 23.94       | PASS    |
| Band17 | 5MHz      | QPSK       | 23825   | 12RB#0           | 23.05       | PASS    |
| Band17 | 5MHz      | QPSK       | 23825   | 12RB#6           | 23.05       | PASS    |
| Band17 | 5MHz      | QPSK       | 23825   | 12RB#13          | 23.04       | PASS    |
| Band17 | 5MHz      | QPSK       | 23825   | 25RB#0           | 23.12       | PASS    |
| Band17 | 5MHz      | 16QAM      | 23755   | 1RB#0            | 23.29       | PASS    |
| Band17 | 5MHz      | 16QAM      | 23755   | 1RB#12           | 23.46       | PASS    |
| Band17 | 5MHz      | 16QAM      | 23755   | 1RB#24           | 23.36       | PASS    |
| Band17 | 5MHz      | 16QAM      | 23755   | 12RB#0           | 21.92       | PASS    |
| Band17 | 5MHz      | 16QAM      | 23755   | 12RB#6           | 21.90       | PASS    |
| Band17 | 5MHz      | 16QAM      | 23755   | 12RB#13          | 22.06       | PASS    |
| Band17 | 5MHz      | 16QAM      | 23755   | 25RB#0           | 22.24       | PASS    |
| Band17 | 5MHz      | 16QAM      | 23790   | 1RB#0            | 23.00       | PASS    |
| Band17 | 5MHz      | 16QAM      | 23790   | 1RB#12           | 23.00       | PASS    |
| Band17 | 5MHz      | 16QAM      | 23790   | 1RB#24           | 23.01       | PASS    |
| Band17 | 5MHz      | 16QAM      | 23790   | 12RB#0           | 22.11       | PASS    |
| Band17 | 5MHz      | 16QAM      | 23790   | 12RB#6           | 22.10       | PASS    |
| Band17 | 5MHz      | 16QAM      | 23790   | 12RB#13          | 22.11       | PASS    |
| Band17 | 5MHz      | 16QAM      | 23790   | 25RB#0           | 22.22       | PASS    |
| Band17 | 5MHz      | 16QAM      | 23825   | 1RB#0            | 23.07       | PASS    |
| Band17 | 5MHz      | 16QAM      | 23825   | 1RB#12           | 23.38       | PASS    |
| Band17 | 5MHz      | 16QAM      | 23825   | 1RB#24           | 22.99       | PASS    |

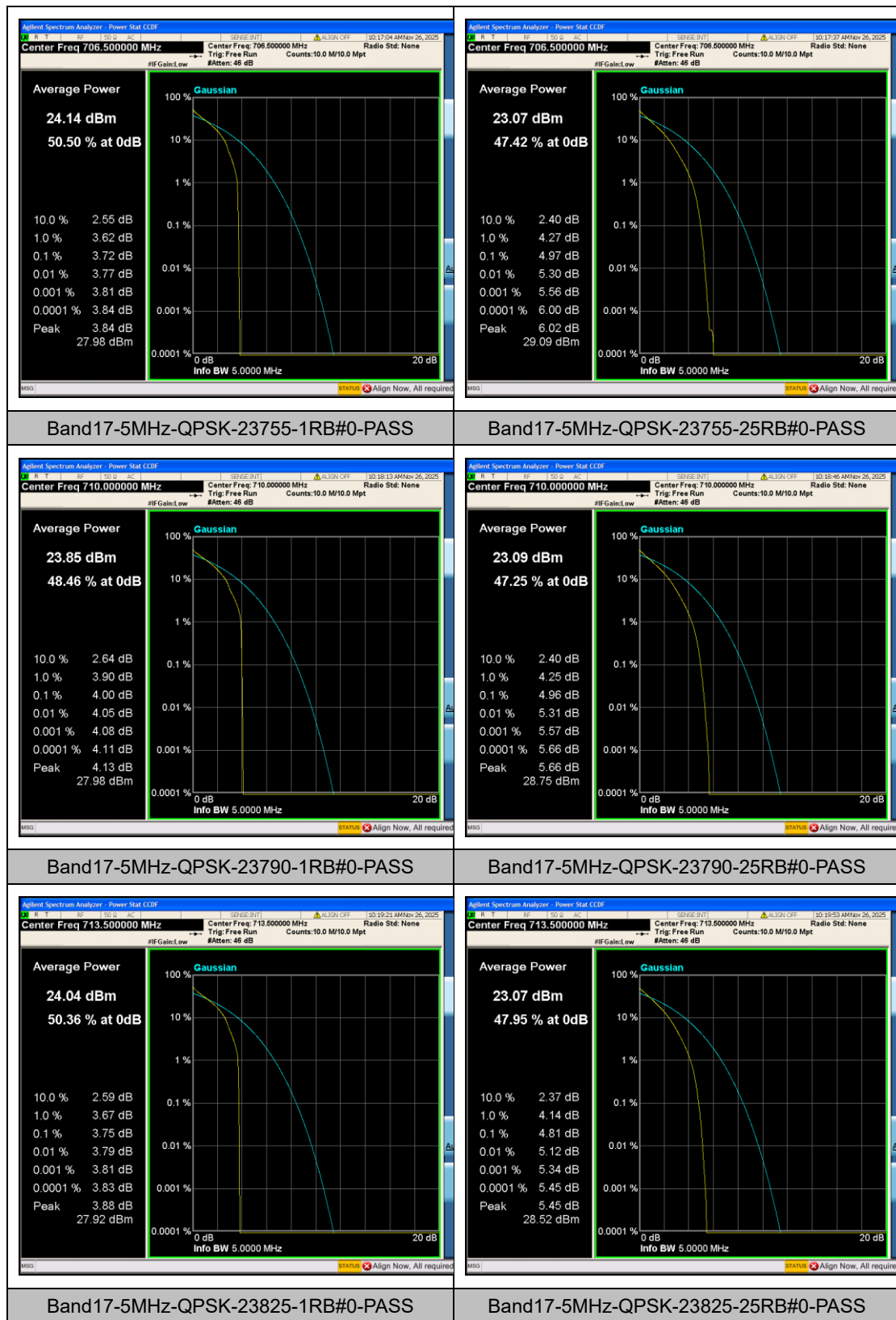
|        |       |       |       |         |       |      |
|--------|-------|-------|-------|---------|-------|------|
| Band17 | 5MHz  | 16QAM | 23825 | 12RB#0  | 21.96 | PASS |
| Band17 | 5MHz  | 16QAM | 23825 | 12RB#6  | 21.96 | PASS |
| Band17 | 5MHz  | 16QAM | 23825 | 12RB#13 | 22.09 | PASS |
| Band17 | 5MHz  | 16QAM | 23825 | 25RB#0  | 22.35 | PASS |
| Band17 | 10MHz | QPSK  | 23780 | 1RB#0   | 23.96 | PASS |
| Band17 | 10MHz | QPSK  | 23780 | 1RB#24  | 24.36 | PASS |
| Band17 | 10MHz | QPSK  | 23780 | 1RB#49  | 24.03 | PASS |
| Band17 | 10MHz | QPSK  | 23780 | 25RB#0  | 23.26 | PASS |
| Band17 | 10MHz | QPSK  | 23780 | 25RB#12 | 23.26 | PASS |
| Band17 | 10MHz | QPSK  | 23780 | 25RB#25 | 23.16 | PASS |
| Band17 | 10MHz | QPSK  | 23780 | 50RB#0  | 23.16 | PASS |
| Band17 | 10MHz | QPSK  | 23790 | 1RB#0   | 24.18 | PASS |
| Band17 | 10MHz | QPSK  | 23790 | 1RB#24  | 24.42 | PASS |
| Band17 | 10MHz | QPSK  | 23790 | 1RB#49  | 23.98 | PASS |
| Band17 | 10MHz | QPSK  | 23790 | 25RB#0  | 23.13 | PASS |
| Band17 | 10MHz | QPSK  | 23790 | 25RB#12 | 23.13 | PASS |
| Band17 | 10MHz | QPSK  | 23790 | 25RB#25 | 23.10 | PASS |
| Band17 | 10MHz | QPSK  | 23790 | 50RB#0  | 23.11 | PASS |
| Band17 | 10MHz | QPSK  | 23800 | 1RB#0   | 24.21 | PASS |
| Band17 | 10MHz | QPSK  | 23800 | 1RB#24  | 24.22 | PASS |
| Band17 | 10MHz | QPSK  | 23800 | 1RB#49  | 24.02 | PASS |
| Band17 | 10MHz | QPSK  | 23800 | 25RB#0  | 23.22 | PASS |
| Band17 | 10MHz | QPSK  | 23800 | 25RB#12 | 23.22 | PASS |
| Band17 | 10MHz | QPSK  | 23800 | 25RB#25 | 23.12 | PASS |
| Band17 | 10MHz | QPSK  | 23800 | 50RB#0  | 23.08 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 1RB#0   | 23.09 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 1RB#24  | 23.61 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 1RB#49  | 23.13 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 25RB#0  | 22.04 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 25RB#12 | 22.03 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 25RB#25 | 22.04 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 1RB#0   | 23.34 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 1RB#24  | 23.44 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 1RB#49  | 23.20 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 25RB#0  | 22.05 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 25RB#12 | 22.35 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 25RB#25 | 22.03 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 1RB#0   | 23.01 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 1RB#24  | 23.30 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 1RB#49  | 22.94 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 25RB#0  | 22.33 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 25RB#12 | 22.34 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 25RB#25 | 22.24 | PASS |

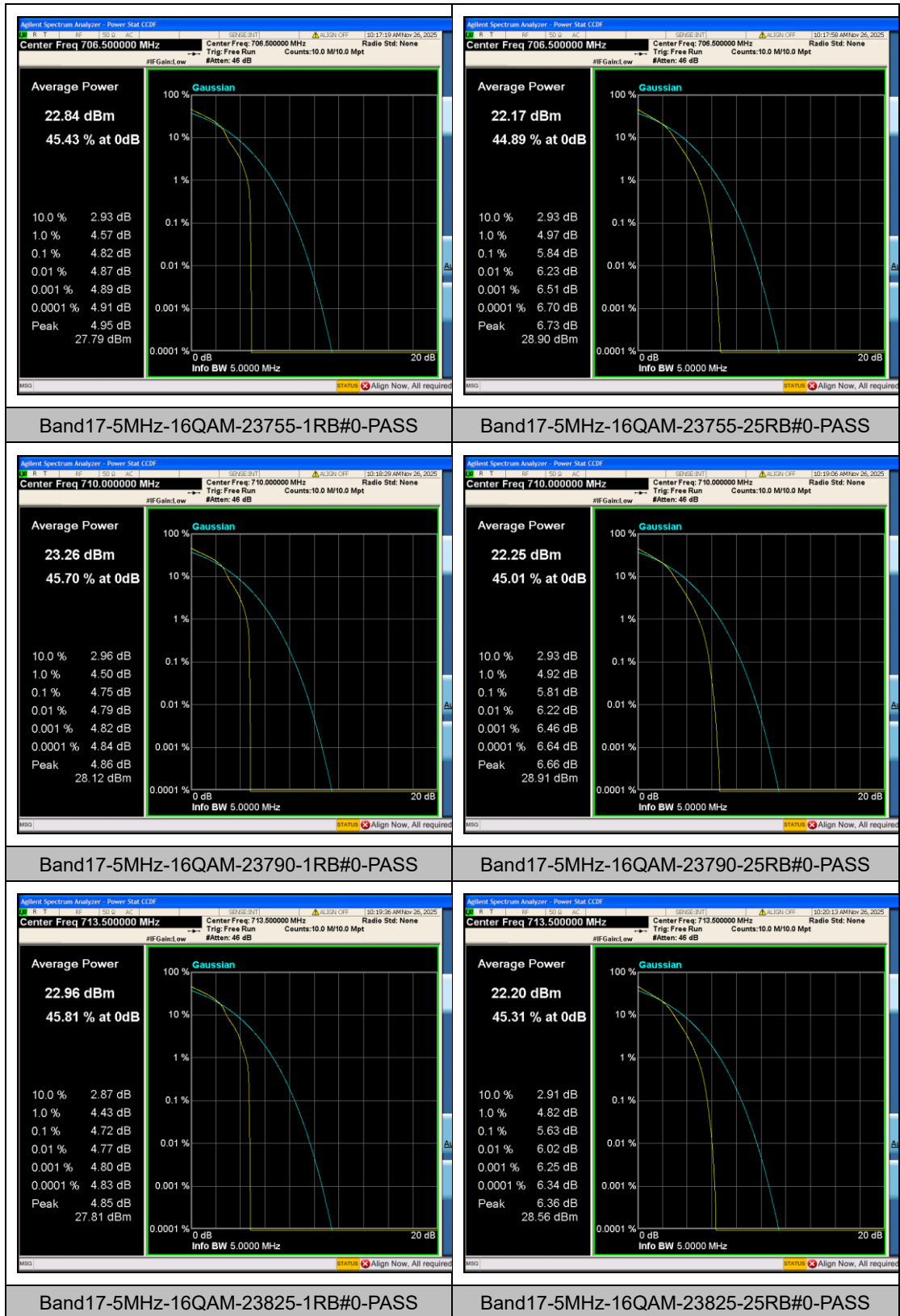
## Appendix B: Peak-to-Average Ratio(CCDF)

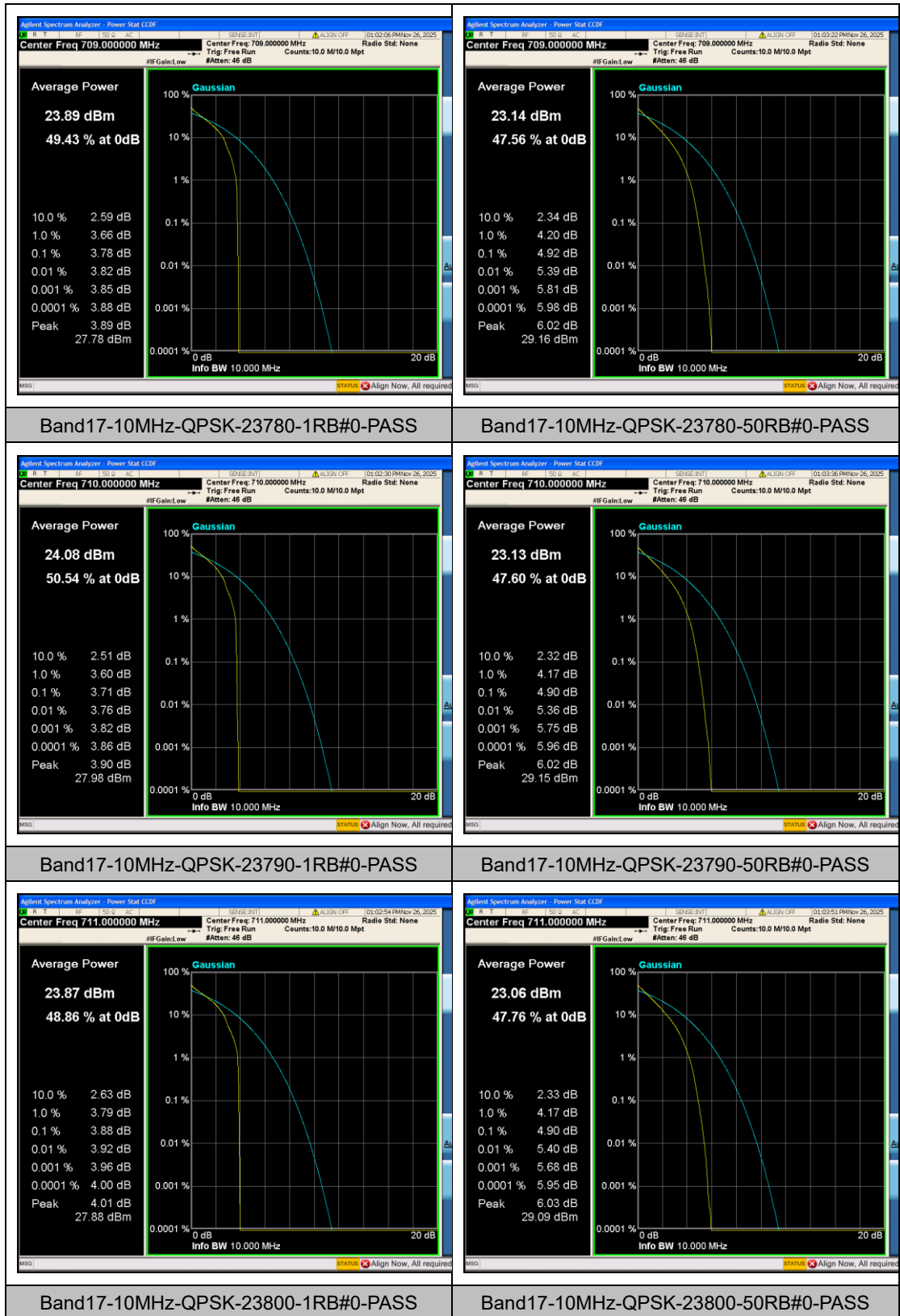
### Test Result

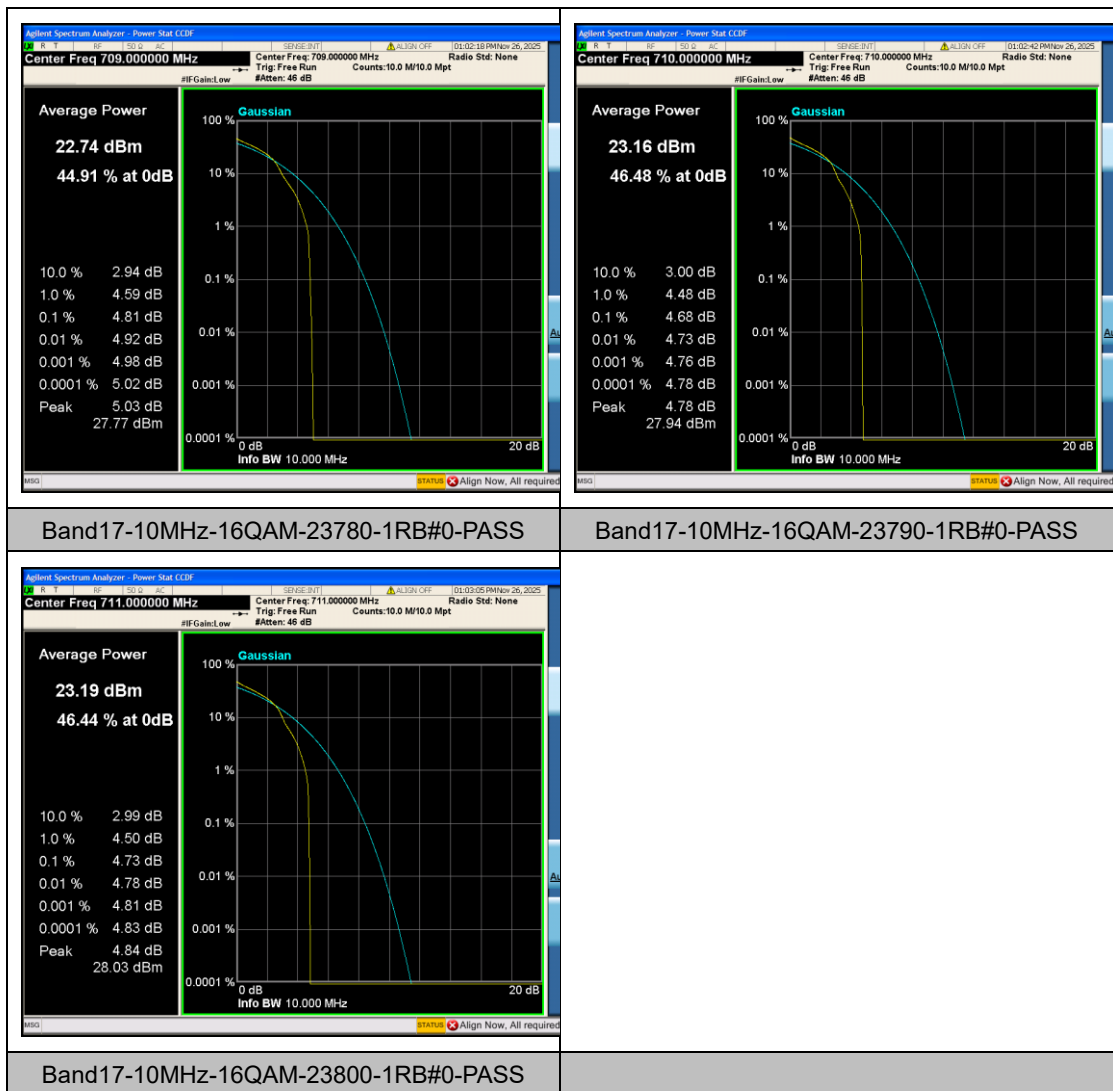
| Band   | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|--------|-----------|------------|---------|------------------|------------|-----------|---------|
| Band17 | 5MHz      | QPSK       | 23755   | 1RB#0            | 3.72       | 13        | PASS    |
| Band17 | 5MHz      | QPSK       | 23755   | 25RB#0           | 4.97       | 13        | PASS    |
| Band17 | 5MHz      | QPSK       | 23790   | 1RB#0            | 4.00       | 13        | PASS    |
| Band17 | 5MHz      | QPSK       | 23790   | 25RB#0           | 4.96       | 13        | PASS    |
| Band17 | 5MHz      | QPSK       | 23825   | 1RB#0            | 3.75       | 13        | PASS    |
| Band17 | 5MHz      | QPSK       | 23825   | 25RB#0           | 4.81       | 13        | PASS    |
| Band17 | 5MHz      | 16QAM      | 23755   | 1RB#0            | 4.82       | 13        | PASS    |
| Band17 | 5MHz      | 16QAM      | 23755   | 25RB#0           | 5.84       | 13        | PASS    |
| Band17 | 5MHz      | 16QAM      | 23790   | 1RB#0            | 4.75       | 13        | PASS    |
| Band17 | 5MHz      | 16QAM      | 23790   | 25RB#0           | 5.81       | 13        | PASS    |
| Band17 | 5MHz      | 16QAM      | 23825   | 1RB#0            | 4.72       | 13        | PASS    |
| Band17 | 5MHz      | 16QAM      | 23825   | 25RB#0           | 5.63       | 13        | PASS    |
| Band17 | 10MHz     | QPSK       | 23780   | 1RB#0            | 3.78       | 13        | PASS    |
| Band17 | 10MHz     | QPSK       | 23780   | 50RB#0           | 4.92       | 13        | PASS    |
| Band17 | 10MHz     | QPSK       | 23790   | 1RB#0            | 3.71       | 13        | PASS    |
| Band17 | 10MHz     | QPSK       | 23790   | 50RB#0           | 4.90       | 13        | PASS    |
| Band17 | 10MHz     | QPSK       | 23800   | 1RB#0            | 3.88       | 13        | PASS    |
| Band17 | 10MHz     | QPSK       | 23800   | 50RB#0           | 4.90       | 13        | PASS    |
| Band17 | 10MHz     | 16QAM      | 23780   | 1RB#0            | 4.81       | 13        | PASS    |
| Band17 | 10MHz     | 16QAM      | 23790   | 1RB#0            | 4.68       | 13        | PASS    |
| Band17 | 10MHz     | 16QAM      | 23800   | 1RB#0            | 4.73       | 13        | PASS    |

## Test Graphs







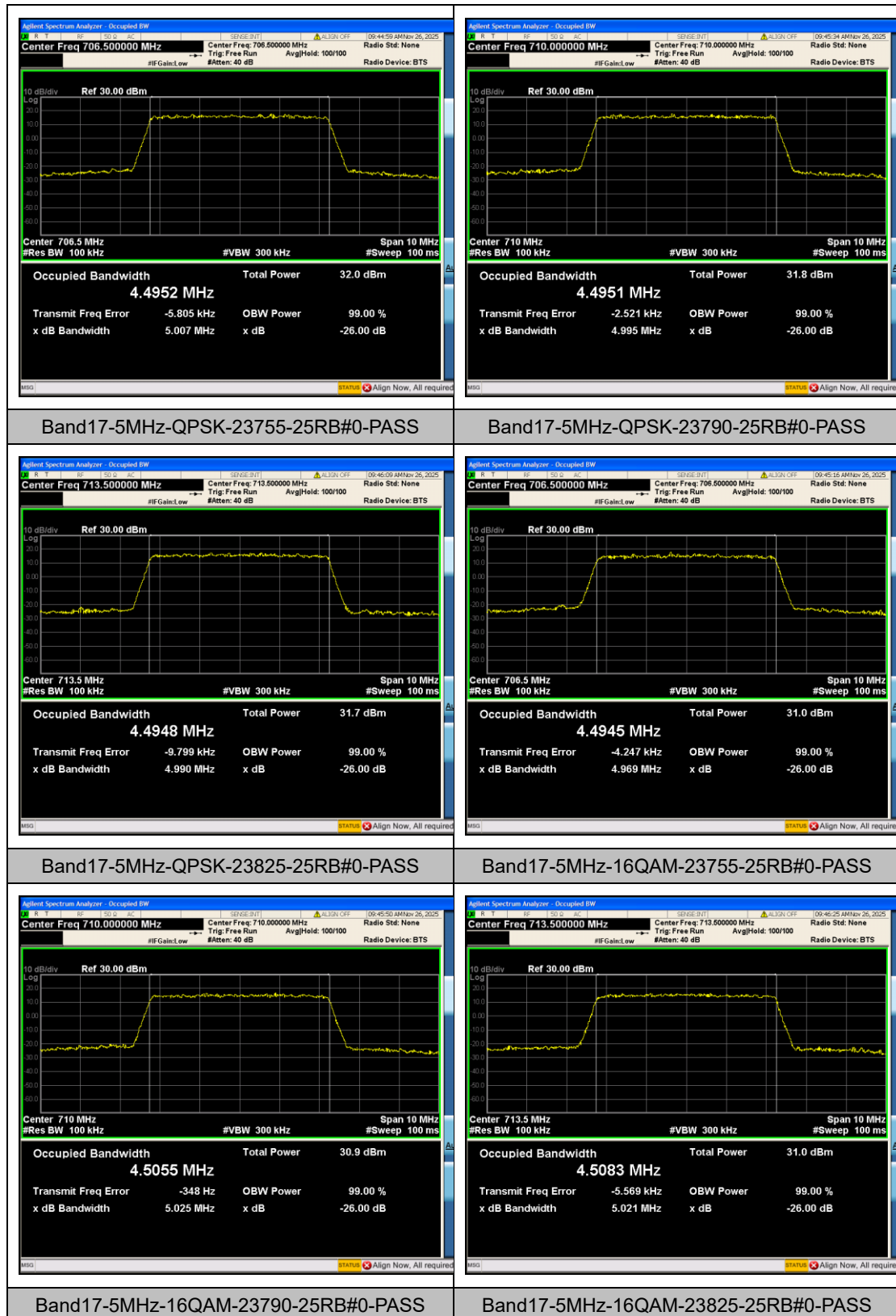


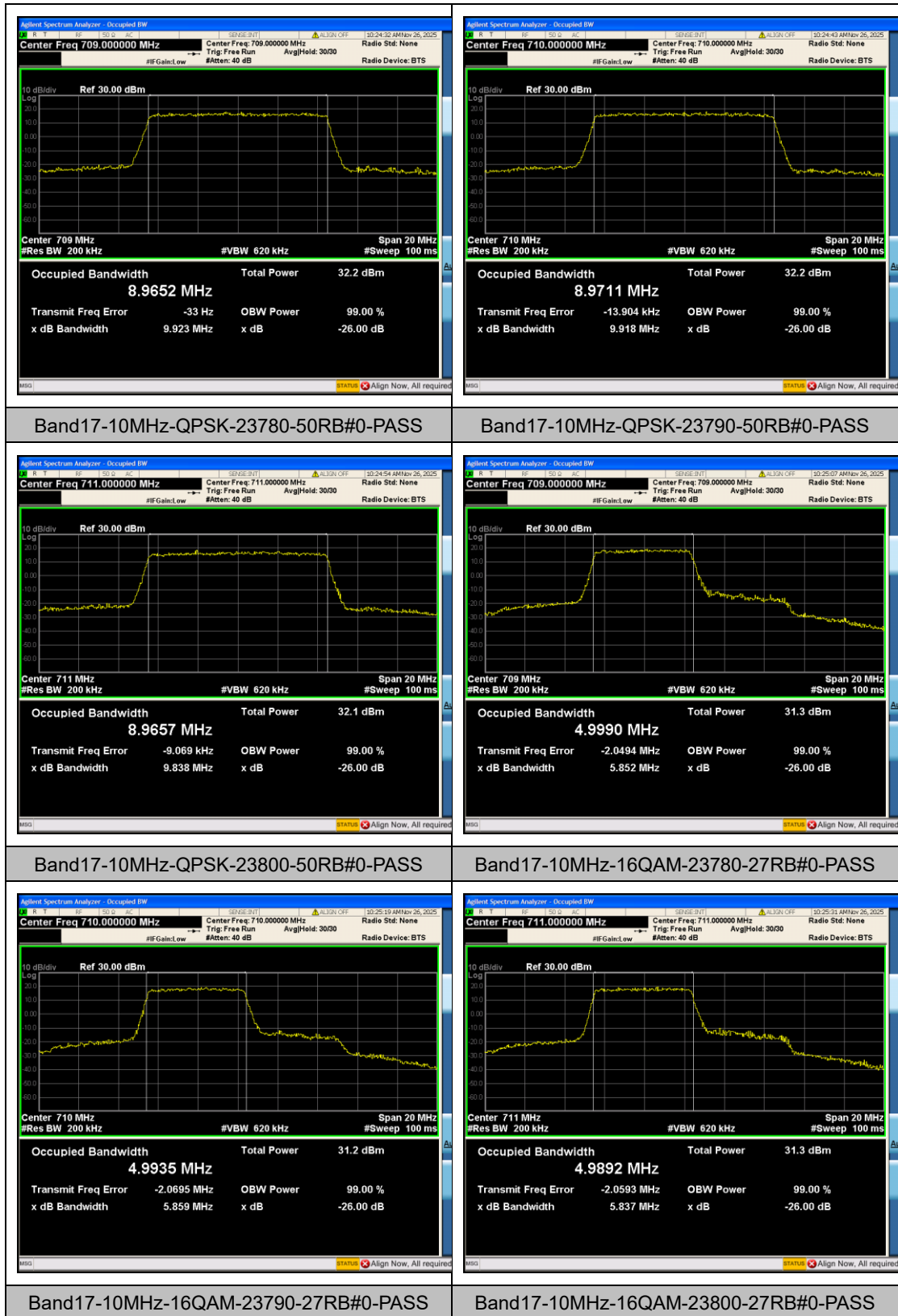
## Appendix C: 26dB Bandwidth and Occupied Bandwidth

### Test Result

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|--------|-----------|------------|---------|------------------|--------------------------|----------------------|---------|
| Band17 | 5MHz      | QPSK       | 23755   | 25RB#0           | 4.4952                   | 5.007                | PASS    |
| Band17 | 5MHz      | QPSK       | 23790   | 25RB#0           | 4.4951                   | 4.995                | PASS    |
| Band17 | 5MHz      | QPSK       | 23825   | 25RB#0           | 4.4948                   | 4.990                | PASS    |
| Band17 | 5MHz      | 16QAM      | 23755   | 25RB#0           | 4.4945                   | 4.969                | PASS    |
| Band17 | 5MHz      | 16QAM      | 23790   | 25RB#0           | 4.5055                   | 5.025                | PASS    |
| Band17 | 5MHz      | 16QAM      | 23825   | 25RB#0           | 4.5083                   | 5.021                | PASS    |
| Band17 | 10MHz     | QPSK       | 23780   | 50RB#0           | 8.9652                   | 9.923                | PASS    |
| Band17 | 10MHz     | QPSK       | 23790   | 50RB#0           | 8.9711                   | 9.918                | PASS    |
| Band17 | 10MHz     | QPSK       | 23800   | 50RB#0           | 8.9657                   | 9.838                | PASS    |
| Band17 | 10MHz     | 16QAM      | 23780   | 27RB#0           | 4.9990                   | 5.852                | PASS    |
| Band17 | 10MHz     | 16QAM      | 23790   | 27RB#0           | 4.9935                   | 5.859                | PASS    |
| Band17 | 10MHz     | 16QAM      | 23800   | 27RB#0           | 4.9892                   | 5.837                | PASS    |

## Test Graphs



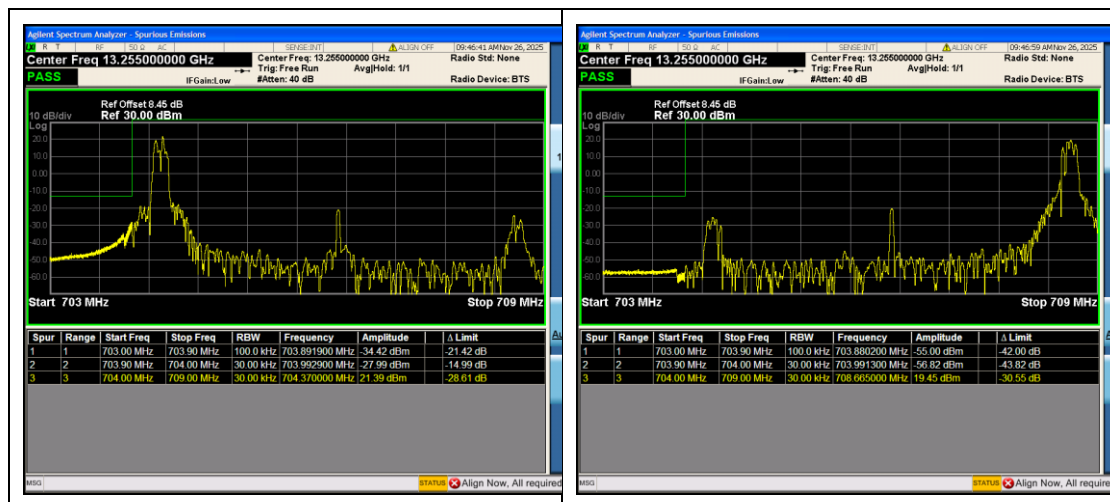


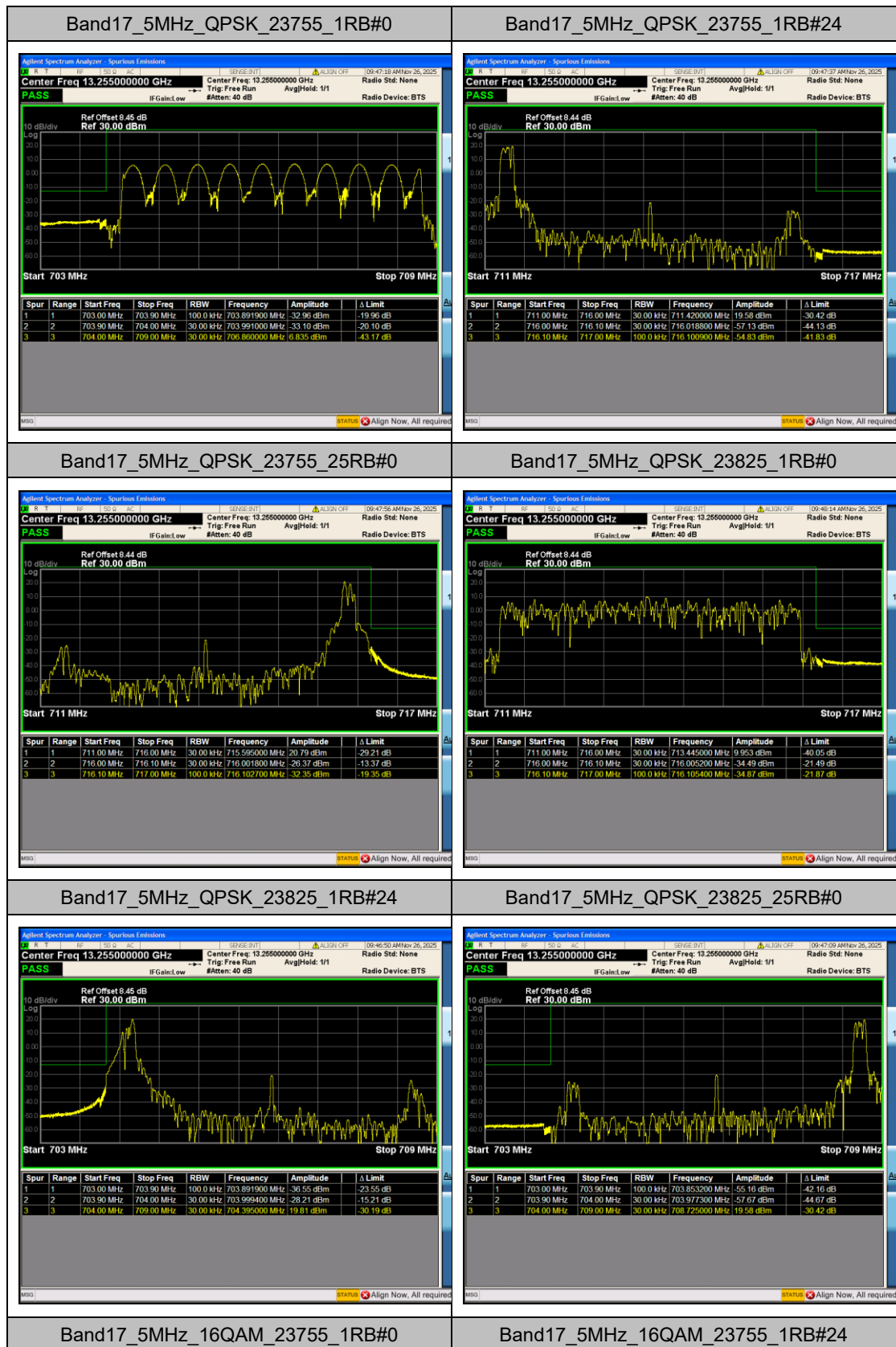
## Appendix D: Band Edge

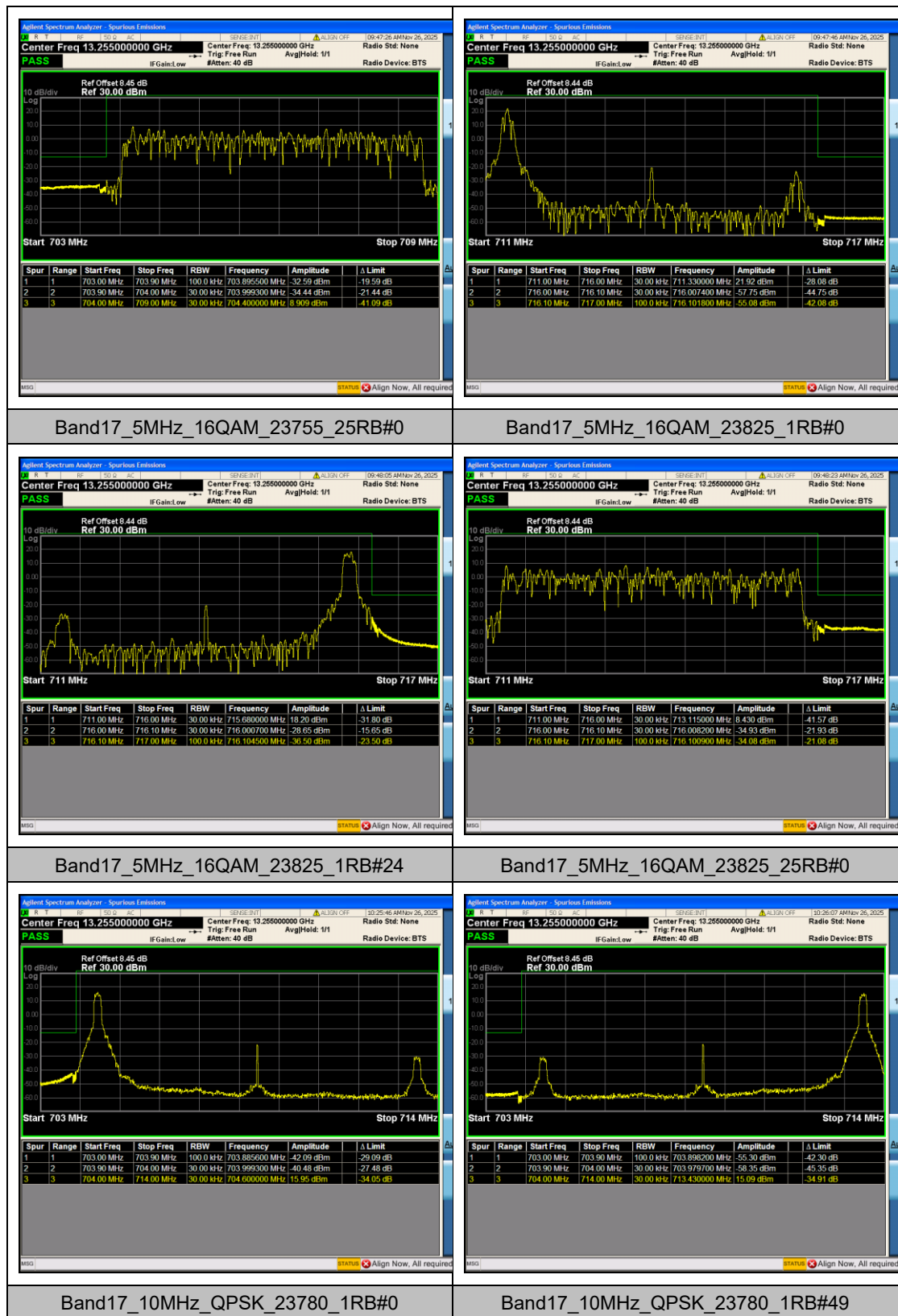
### Test Result

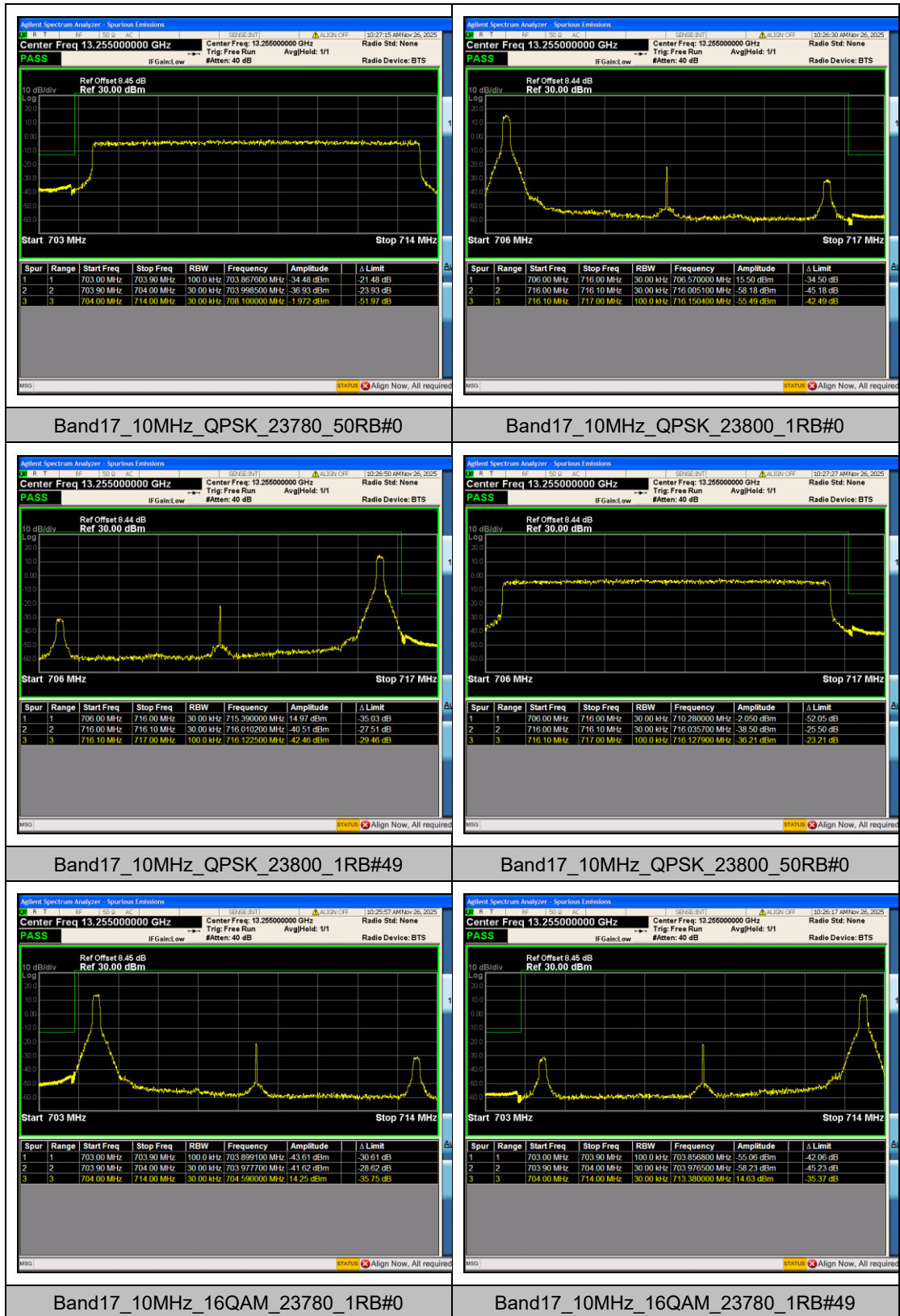
| Band   | Bandwidth | Modulation | Channel | RB Configuration | Result(dBm) | Verdict |
|--------|-----------|------------|---------|------------------|-------------|---------|
| Band17 | 5MHz      | QPSK       | 23755   | 1RB#0            | -27.99      | PASS    |
| Band17 | 5MHz      | QPSK       | 23755   | 1RB#24           | -55.00      | PASS    |
| Band17 | 5MHz      | QPSK       | 23755   | 25RB#0           | -32.96      | PASS    |
| Band17 | 5MHz      | QPSK       | 23825   | 1RB#0            | -54.83      | PASS    |
| Band17 | 5MHz      | QPSK       | 23825   | 1RB#24           | -26.37      | PASS    |
| Band17 | 5MHz      | QPSK       | 23825   | 25RB#0           | -34.49      | PASS    |
| Band17 | 5MHz      | 16QAM      | 23755   | 1RB#0            | -28.21      | PASS    |
| Band17 | 5MHz      | 16QAM      | 23755   | 1RB#24           | -55.16      | PASS    |
| Band17 | 5MHz      | 16QAM      | 23755   | 25RB#0           | -32.59      | PASS    |
| Band17 | 5MHz      | 16QAM      | 23825   | 1RB#0            | -55.08      | PASS    |
| Band17 | 5MHz      | 16QAM      | 23825   | 1RB#24           | -28.65      | PASS    |
| Band17 | 5MHz      | 16QAM      | 23825   | 25RB#0           | -34.08      | PASS    |
| Band17 | 10MHz     | QPSK       | 23780   | 1RB#0            | -40.48      | PASS    |
| Band17 | 10MHz     | QPSK       | 23780   | 1RB#49           | -55.30      | PASS    |
| Band17 | 10MHz     | QPSK       | 23780   | 50RB#0           | -34.48      | PASS    |
| Band17 | 10MHz     | QPSK       | 23800   | 1RB#0            | -55.49      | PASS    |
| Band17 | 10MHz     | QPSK       | 23800   | 1RB#49           | -40.51      | PASS    |
| Band17 | 10MHz     | QPSK       | 23800   | 50RB#0           | -36.21      | PASS    |
| Band17 | 10MHz     | 16QAM      | 23780   | 1RB#0            | -41.62      | PASS    |
| Band17 | 10MHz     | 16QAM      | 23780   | 1RB#49           | -55.06      | PASS    |
| Band17 | 10MHz     | 16QAM      | 23800   | 1RB#0            | -55.25      | PASS    |
| Band17 | 10MHz     | 16QAM      | 23800   | 1RB#49           | -42.70      | PASS    |

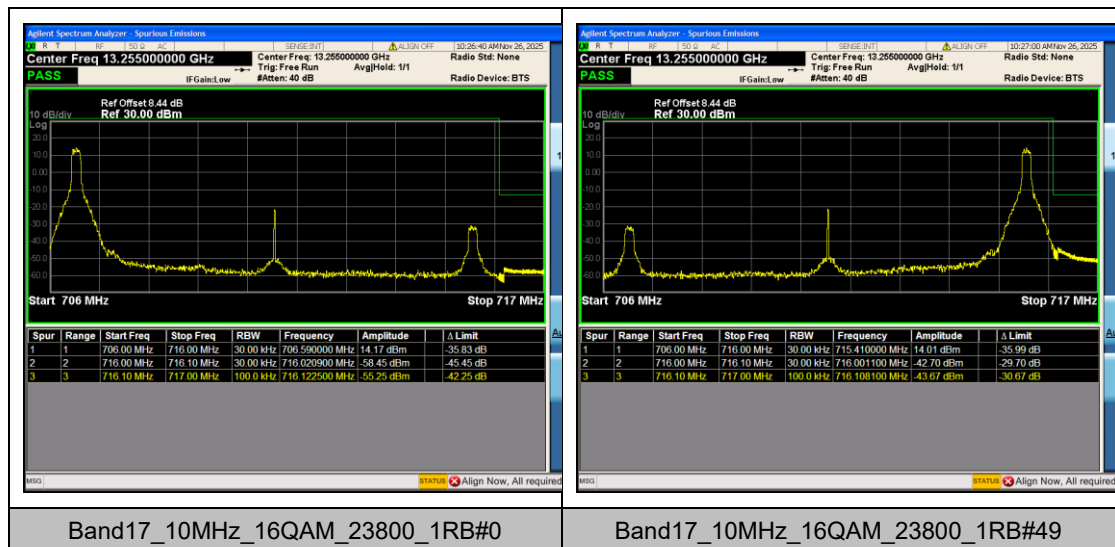
### Test Graphs











## Appendix E: Conducted Spurious Emission

### Test Result

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Frequency Range | Result (dBm) | Verdict |
|--------|-----------|------------|---------|------------------|-----------------|--------------|---------|
| Band17 | 5MHz      | QPSK       | 23755   | 1RB#0            | 0.009~0.15      | -41.29       | PASS    |
| Band17 | 5MHz      | QPSK       | 23755   | 1RB#0            | 0.15~30         | -54.36       | PASS    |
| Band17 | 5MHz      | QPSK       | 23755   | 1RB#0            | 30~1000         | -59.33       | PASS    |
| Band17 | 5MHz      | QPSK       | 23755   | 1RB#0            | 1000~3000       | -44.80       | PASS    |
| Band17 | 5MHz      | QPSK       | 23755   | 1RB#0            | 3000~10000      | -43.63       | PASS    |
| Band17 | 5MHz      | QPSK       | 23755   | 1RB#24           | 0.009~0.15      | -41.88       | PASS    |
| Band17 | 5MHz      | QPSK       | 23755   | 1RB#24           | 0.15~30         | -50.94       | PASS    |
| Band17 | 5MHz      | QPSK       | 23755   | 1RB#24           | 30~1000         | -58.74       | PASS    |
| Band17 | 5MHz      | QPSK       | 23755   | 1RB#24           | 1000~3000       | -44.02       | PASS    |
| Band17 | 5MHz      | QPSK       | 23755   | 1RB#24           | 3000~10000      | -43.87       | PASS    |
| Band17 | 5MHz      | QPSK       | 23755   | 25RB#0           | 0.009~0.15      | -41.26       | PASS    |
| Band17 | 5MHz      | QPSK       | 23755   | 25RB#0           | 0.15~30         | -54.18       | PASS    |
| Band17 | 5MHz      | QPSK       | 23755   | 25RB#0           | 30~1000         | -54.11       | PASS    |
| Band17 | 5MHz      | QPSK       | 23755   | 25RB#0           | 1000~3000       | -46.54       | PASS    |
| Band17 | 5MHz      | QPSK       | 23755   | 25RB#0           | 3000~10000      | -43.82       | PASS    |
| Band17 | 5MHz      | QPSK       | 23790   | 1RB#0            | 0.009~0.15      | -43.25       | PASS    |
| Band17 | 5MHz      | QPSK       | 23790   | 1RB#0            | 0.15~30         | -52.72       | PASS    |
| Band17 | 5MHz      | QPSK       | 23790   | 1RB#0            | 30~1000         | -56.49       | PASS    |
| Band17 | 5MHz      | QPSK       | 23790   | 1RB#0            | 1000~3000       | -43.84       | PASS    |
| Band17 | 5MHz      | QPSK       | 23790   | 1RB#0            | 3000~10000      | -43.41       | PASS    |
| Band17 | 5MHz      | QPSK       | 23790   | 1RB#24           | 0.009~0.15      | -41.28       | PASS    |
| Band17 | 5MHz      | QPSK       | 23790   | 1RB#24           | 0.15~30         | -53.59       | PASS    |
| Band17 | 5MHz      | QPSK       | 23790   | 1RB#24           | 30~1000         | -61.02       | PASS    |
| Band17 | 5MHz      | QPSK       | 23790   | 1RB#24           | 1000~3000       | -42.65       | PASS    |
| Band17 | 5MHz      | QPSK       | 23790   | 1RB#24           | 3000~10000      | -44.11       | PASS    |
| Band17 | 5MHz      | QPSK       | 23790   | 25RB#0           | 0.009~0.15      | -41.17       | PASS    |
| Band17 | 5MHz      | QPSK       | 23790   | 25RB#0           | 0.15~30         | -54.98       | PASS    |
| Band17 | 5MHz      | QPSK       | 23790   | 25RB#0           | 30~1000         | -54.02       | PASS    |
| Band17 | 5MHz      | QPSK       | 23790   | 25RB#0           | 1000~3000       | -46.85       | PASS    |
| Band17 | 5MHz      | QPSK       | 23790   | 25RB#0           | 3000~10000      | -43.95       | PASS    |
| Band17 | 5MHz      | QPSK       | 23825   | 1RB#0            | 0.009~0.15      | -41.54       | PASS    |
| Band17 | 5MHz      | QPSK       | 23825   | 1RB#0            | 0.15~30         | -52.67       | PASS    |
| Band17 | 5MHz      | QPSK       | 23825   | 1RB#0            | 30~1000         | -60.08       | PASS    |
| Band17 | 5MHz      | QPSK       | 23825   | 1RB#0            | 1000~3000       | -42.70       | PASS    |
| Band17 | 5MHz      | QPSK       | 23825   | 1RB#0            | 3000~10000      | -44.21       | PASS    |
| Band17 | 5MHz      | QPSK       | 23825   | 1RB#24           | 0.009~0.15      | -37.81       | PASS    |

|        |      |       |       |        |            |        |      |
|--------|------|-------|-------|--------|------------|--------|------|
| Band17 | 5MHz | QPSK  | 23825 | 1RB#24 | 0.15~30    | -53.37 | PASS |
| Band17 | 5MHz | QPSK  | 23825 | 1RB#24 | 30~1000    | -58.20 | PASS |
| Band17 | 5MHz | QPSK  | 23825 | 1RB#24 | 1000~3000  | -42.88 | PASS |
| Band17 | 5MHz | QPSK  | 23825 | 1RB#24 | 3000~10000 | -43.85 | PASS |
| Band17 | 5MHz | QPSK  | 23825 | 25RB#0 | 0.009~0.15 | -43.63 | PASS |
| Band17 | 5MHz | QPSK  | 23825 | 25RB#0 | 0.15~30    | -54.98 | PASS |
| Band17 | 5MHz | QPSK  | 23825 | 25RB#0 | 30~1000    | -53.35 | PASS |
| Band17 | 5MHz | QPSK  | 23825 | 25RB#0 | 1000~3000  | -46.71 | PASS |
| Band17 | 5MHz | QPSK  | 23825 | 25RB#0 | 3000~10000 | -43.79 | PASS |
| Band17 | 5MHz | 16QAM | 23755 | 1RB#0  | 0.009~0.15 | -40.42 | PASS |
| Band17 | 5MHz | 16QAM | 23755 | 1RB#0  | 0.15~30    | -54.80 | PASS |
| Band17 | 5MHz | 16QAM | 23755 | 1RB#0  | 30~1000    | -59.65 | PASS |
| Band17 | 5MHz | 16QAM | 23755 | 1RB#0  | 1000~3000  | -44.18 | PASS |
| Band17 | 5MHz | 16QAM | 23755 | 1RB#0  | 3000~10000 | -43.82 | PASS |
| Band17 | 5MHz | 16QAM | 23755 | 1RB#24 | 0.009~0.15 | -40.83 | PASS |
| Band17 | 5MHz | 16QAM | 23755 | 1RB#24 | 0.15~30    | -52.04 | PASS |
| Band17 | 5MHz | 16QAM | 23755 | 1RB#24 | 30~1000    | -59.91 | PASS |
| Band17 | 5MHz | 16QAM | 23755 | 1RB#24 | 1000~3000  | -44.28 | PASS |
| Band17 | 5MHz | 16QAM | 23755 | 1RB#24 | 3000~10000 | -43.66 | PASS |
| Band17 | 5MHz | 16QAM | 23755 | 25RB#0 | 0.009~0.15 | -42.81 | PASS |
| Band17 | 5MHz | 16QAM | 23755 | 25RB#0 | 0.15~30    | -54.97 | PASS |
| Band17 | 5MHz | 16QAM | 23755 | 25RB#0 | 30~1000    | -56.31 | PASS |
| Band17 | 5MHz | 16QAM | 23755 | 25RB#0 | 1000~3000  | -46.96 | PASS |
| Band17 | 5MHz | 16QAM | 23755 | 25RB#0 | 3000~10000 | -43.72 | PASS |
| Band17 | 5MHz | 16QAM | 23790 | 1RB#0  | 0.009~0.15 | -43.54 | PASS |
| Band17 | 5MHz | 16QAM | 23790 | 1RB#0  | 0.15~30    | -51.87 | PASS |
| Band17 | 5MHz | 16QAM | 23790 | 1RB#0  | 30~1000    | -60.12 | PASS |
| Band17 | 5MHz | 16QAM | 23790 | 1RB#0  | 1000~3000  | -46.52 | PASS |
| Band17 | 5MHz | 16QAM | 23790 | 1RB#0  | 3000~10000 | -43.52 | PASS |
| Band17 | 5MHz | 16QAM | 23790 | 1RB#24 | 0.009~0.15 | -41.09 | PASS |
| Band17 | 5MHz | 16QAM | 23790 | 1RB#24 | 0.15~30    | -52.69 | PASS |
| Band17 | 5MHz | 16QAM | 23790 | 1RB#24 | 30~1000    | -60.42 | PASS |
| Band17 | 5MHz | 16QAM | 23790 | 1RB#24 | 1000~3000  | -43.37 | PASS |
| Band17 | 5MHz | 16QAM | 23790 | 1RB#24 | 3000~10000 | -43.93 | PASS |
| Band17 | 5MHz | 16QAM | 23790 | 25RB#0 | 0.009~0.15 | -44.55 | PASS |
| Band17 | 5MHz | 16QAM | 23790 | 25RB#0 | 0.15~30    | -54.11 | PASS |
| Band17 | 5MHz | 16QAM | 23790 | 25RB#0 | 30~1000    | -55.20 | PASS |
| Band17 | 5MHz | 16QAM | 23790 | 25RB#0 | 1000~3000  | -47.16 | PASS |
| Band17 | 5MHz | 16QAM | 23790 | 25RB#0 | 3000~10000 | -43.82 | PASS |
| Band17 | 5MHz | 16QAM | 23825 | 1RB#0  | 0.009~0.15 | -44.24 | PASS |
| Band17 | 5MHz | 16QAM | 23825 | 1RB#0  | 0.15~30    | -51.61 | PASS |
| Band17 | 5MHz | 16QAM | 23825 | 1RB#0  | 30~1000    | -59.89 | PASS |
| Band17 | 5MHz | 16QAM | 23825 | 1RB#0  | 1000~3000  | -43.12 | PASS |

|        |       |       |       |        |            |        |      |
|--------|-------|-------|-------|--------|------------|--------|------|
| Band17 | 5MHz  | 16QAM | 23825 | 1RB#0  | 3000~10000 | -43.55 | PASS |
| Band17 | 5MHz  | 16QAM | 23825 | 1RB#24 | 0.009~0.15 | -39.58 | PASS |
| Band17 | 5MHz  | 16QAM | 23825 | 1RB#24 | 0.15~30    | -52.82 | PASS |
| Band17 | 5MHz  | 16QAM | 23825 | 1RB#24 | 30~1000    | -61.62 | PASS |
| Band17 | 5MHz  | 16QAM | 23825 | 1RB#24 | 1000~3000  | -44.01 | PASS |
| Band17 | 5MHz  | 16QAM | 23825 | 1RB#24 | 3000~10000 | -43.91 | PASS |
| Band17 | 5MHz  | 16QAM | 23825 | 25RB#0 | 0.009~0.15 | -43.33 | PASS |
| Band17 | 5MHz  | 16QAM | 23825 | 25RB#0 | 0.15~30    | -53.62 | PASS |
| Band17 | 5MHz  | 16QAM | 23825 | 25RB#0 | 30~1000    | -55.11 | PASS |
| Band17 | 5MHz  | 16QAM | 23825 | 25RB#0 | 1000~3000  | -46.75 | PASS |
| Band17 | 5MHz  | 16QAM | 23825 | 25RB#0 | 3000~10000 | -44.05 | PASS |
| Band17 | 10MHz | QPSK  | 23780 | 1RB#0  | 0.009~0.15 | -38.99 | PASS |
| Band17 | 10MHz | QPSK  | 23780 | 1RB#0  | 0.15~30    | -52.61 | PASS |
| Band17 | 10MHz | QPSK  | 23780 | 1RB#0  | 30~1000    | -62.17 | PASS |
| Band17 | 10MHz | QPSK  | 23780 | 1RB#0  | 1000~3000  | -44.19 | PASS |
| Band17 | 10MHz | QPSK  | 23780 | 1RB#0  | 3000~10000 | -44.21 | PASS |
| Band17 | 10MHz | QPSK  | 23780 | 1RB#49 | 0.009~0.15 | -39.55 | PASS |
| Band17 | 10MHz | QPSK  | 23780 | 1RB#49 | 0.15~30    | -53.41 | PASS |
| Band17 | 10MHz | QPSK  | 23780 | 1RB#49 | 30~1000    | -62.06 | PASS |
| Band17 | 10MHz | QPSK  | 23780 | 1RB#49 | 1000~3000  | -42.88 | PASS |
| Band17 | 10MHz | QPSK  | 23780 | 1RB#49 | 3000~10000 | -43.92 | PASS |
| Band17 | 10MHz | QPSK  | 23780 | 50RB#0 | 0.009~0.15 | -39.62 | PASS |
| Band17 | 10MHz | QPSK  | 23780 | 50RB#0 | 0.15~30    | -52.08 | PASS |
| Band17 | 10MHz | QPSK  | 23780 | 50RB#0 | 30~1000    | -60.96 | PASS |
| Band17 | 10MHz | QPSK  | 23780 | 50RB#0 | 1000~3000  | -46.59 | PASS |
| Band17 | 10MHz | QPSK  | 23780 | 50RB#0 | 3000~10000 | -43.81 | PASS |
| Band17 | 10MHz | QPSK  | 23790 | 1RB#0  | 0.009~0.15 | -41.32 | PASS |
| Band17 | 10MHz | QPSK  | 23790 | 1RB#0  | 0.15~30    | -52.42 | PASS |
| Band17 | 10MHz | QPSK  | 23790 | 1RB#0  | 30~1000    | -62.28 | PASS |
| Band17 | 10MHz | QPSK  | 23790 | 1RB#0  | 1000~3000  | -43.61 | PASS |
| Band17 | 10MHz | QPSK  | 23790 | 1RB#0  | 3000~10000 | -43.98 | PASS |
| Band17 | 10MHz | QPSK  | 23790 | 1RB#49 | 0.009~0.15 | -41.62 | PASS |
| Band17 | 10MHz | QPSK  | 23790 | 1RB#49 | 0.15~30    | -55.65 | PASS |
| Band17 | 10MHz | QPSK  | 23790 | 1RB#49 | 30~1000    | -62.11 | PASS |
| Band17 | 10MHz | QPSK  | 23790 | 1RB#49 | 1000~3000  | -43.44 | PASS |
| Band17 | 10MHz | QPSK  | 23790 | 1RB#49 | 3000~10000 | -43.81 | PASS |
| Band17 | 10MHz | QPSK  | 23790 | 50RB#0 | 0.009~0.15 | -40.91 | PASS |
| Band17 | 10MHz | QPSK  | 23790 | 50RB#0 | 0.15~30    | -55.53 | PASS |
| Band17 | 10MHz | QPSK  | 23790 | 50RB#0 | 30~1000    | -61.39 | PASS |
| Band17 | 10MHz | QPSK  | 23790 | 50RB#0 | 1000~3000  | -46.48 | PASS |
| Band17 | 10MHz | QPSK  | 23790 | 50RB#0 | 3000~10000 | -43.64 | PASS |
| Band17 | 10MHz | QPSK  | 23800 | 1RB#0  | 0.009~0.15 | -38.53 | PASS |
| Band17 | 10MHz | QPSK  | 23800 | 1RB#0  | 0.15~30    | -53.51 | PASS |

|        |       |       |       |        |            |        |      |
|--------|-------|-------|-------|--------|------------|--------|------|
| Band17 | 10MHz | QPSK  | 23800 | 1RB#0  | 30~1000    | -62.21 | PASS |
| Band17 | 10MHz | QPSK  | 23800 | 1RB#0  | 1000~3000  | -44.31 | PASS |
| Band17 | 10MHz | QPSK  | 23800 | 1RB#0  | 3000~10000 | -43.80 | PASS |
| Band17 | 10MHz | QPSK  | 23800 | 1RB#49 | 0.009~0.15 | -36.77 | PASS |
| Band17 | 10MHz | QPSK  | 23800 | 1RB#49 | 0.15~30    | -55.23 | PASS |
| Band17 | 10MHz | QPSK  | 23800 | 1RB#49 | 30~1000    | -62.35 | PASS |
| Band17 | 10MHz | QPSK  | 23800 | 1RB#49 | 1000~3000  | -43.69 | PASS |
| Band17 | 10MHz | QPSK  | 23800 | 1RB#49 | 3000~10000 | -43.96 | PASS |
| Band17 | 10MHz | QPSK  | 23800 | 50RB#0 | 0.009~0.15 | -42.29 | PASS |
| Band17 | 10MHz | QPSK  | 23800 | 50RB#0 | 0.15~30    | -51.03 | PASS |
| Band17 | 10MHz | QPSK  | 23800 | 50RB#0 | 30~1000    | -61.31 | PASS |
| Band17 | 10MHz | QPSK  | 23800 | 50RB#0 | 1000~3000  | -46.82 | PASS |
| Band17 | 10MHz | QPSK  | 23800 | 50RB#0 | 3000~10000 | -44.14 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 1RB#0  | 0.009~0.15 | -40.58 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 1RB#0  | 0.15~30    | -51.60 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 1RB#0  | 30~1000    | -62.36 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 1RB#0  | 1000~3000  | -44.54 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 1RB#0  | 3000~10000 | -43.38 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 1RB#49 | 0.009~0.15 | -42.13 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 1RB#49 | 0.15~30    | -52.80 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 1RB#49 | 30~1000    | -62.26 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 1RB#49 | 1000~3000  | -44.09 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 1RB#49 | 3000~10000 | -43.74 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 1RB#0  | 0.009~0.15 | -43.95 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 1RB#0  | 0.15~30    | -52.02 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 1RB#0  | 30~1000    | -62.22 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 1RB#0  | 1000~3000  | -45.37 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 1RB#0  | 3000~10000 | -43.77 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 1RB#49 | 0.009~0.15 | -40.36 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 1RB#49 | 0.15~30    | -52.14 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 1RB#49 | 30~1000    | -62.18 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 1RB#49 | 1000~3000  | -42.47 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 1RB#49 | 3000~10000 | -43.53 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 1RB#0  | 0.009~0.15 | -44.39 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 1RB#0  | 0.15~30    | -53.37 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 1RB#0  | 30~1000    | -62.17 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 1RB#0  | 1000~3000  | -45.17 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 1RB#0  | 3000~10000 | -43.61 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 1RB#49 | 0.009~0.15 | -41.71 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 1RB#49 | 0.15~30    | -51.79 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 1RB#49 | 30~1000    | -62.16 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 1RB#49 | 1000~3000  | -45.30 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 1RB#49 | 3000~10000 | -44.02 | PASS |

## Test Graphs

