

## **Appendix for LTE BAND 38**

Product Name: HTC Smartphone

Model No: Wildfire E7

## Appendix A: Average Power Output Data

### Test Result

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Result(dBm) | Verdict |
|--------|-----------|------------|---------|------------------|-------------|---------|
| Band38 | 5MHz      | QPSK       | 37775   | 1RB#0            | 21.98       | PASS    |
| Band38 | 5MHz      | QPSK       | 37775   | 1RB#12           | 22.24       | PASS    |
| Band38 | 5MHz      | QPSK       | 37775   | 1RB#24           | 21.89       | PASS    |
| Band38 | 5MHz      | QPSK       | 37775   | 12RB#0           | 21.09       | PASS    |
| Band38 | 5MHz      | QPSK       | 37775   | 12RB#6           | 21.11       | PASS    |
| Band38 | 5MHz      | QPSK       | 37775   | 12RB#13          | 21.01       | PASS    |
| Band38 | 5MHz      | QPSK       | 37775   | 25RB#0           | 21.08       | PASS    |
| Band38 | 5MHz      | 16QAM      | 37775   | 1RB#0            | 21.30       | PASS    |
| Band38 | 5MHz      | 16QAM      | 37775   | 1RB#12           | 21.63       | PASS    |
| Band38 | 5MHz      | 16QAM      | 37775   | 1RB#24           | 21.24       | PASS    |
| Band38 | 5MHz      | 16QAM      | 37775   | 12RB#0           | 20.08       | PASS    |
| Band38 | 5MHz      | 16QAM      | 37775   | 12RB#6           | 20.11       | PASS    |
| Band38 | 5MHz      | 16QAM      | 37775   | 12RB#13          | 20.00       | PASS    |
| Band38 | 5MHz      | 16QAM      | 37775   | 25RB#0           | 20.09       | PASS    |
| Band38 | 5MHz      | QPSK       | 38000   | 1RB#0            | 21.87       | PASS    |
| Band38 | 5MHz      | QPSK       | 38000   | 1RB#12           | 22.12       | PASS    |
| Band38 | 5MHz      | QPSK       | 38000   | 1RB#24           | 21.82       | PASS    |
| Band38 | 5MHz      | QPSK       | 38000   | 12RB#0           | 20.98       | PASS    |
| Band38 | 5MHz      | QPSK       | 38000   | 12RB#6           | 21.05       | PASS    |
| Band38 | 5MHz      | QPSK       | 38000   | 12RB#13          | 20.93       | PASS    |
| Band38 | 5MHz      | QPSK       | 38000   | 25RB#0           | 20.96       | PASS    |
| Band38 | 5MHz      | 16QAM      | 38000   | 1RB#0            | 21.01       | PASS    |
| Band38 | 5MHz      | 16QAM      | 38000   | 1RB#12           | 21.27       | PASS    |
| Band38 | 5MHz      | 16QAM      | 38000   | 1RB#24           | 20.96       | PASS    |
| Band38 | 5MHz      | 16QAM      | 38000   | 12RB#0           | 20.05       | PASS    |
| Band38 | 5MHz      | 16QAM      | 38000   | 12RB#6           | 20.04       | PASS    |
| Band38 | 5MHz      | 16QAM      | 38000   | 12RB#13          | 19.96       | PASS    |
| Band38 | 5MHz      | 16QAM      | 38000   | 25RB#0           | 19.99       | PASS    |
| Band38 | 5MHz      | QPSK       | 38225   | 1RB#0            | 21.84       | PASS    |
| Band38 | 5MHz      | QPSK       | 38225   | 1RB#12           | 22.15       | PASS    |
| Band38 | 5MHz      | QPSK       | 38225   | 1RB#24           | 21.80       | PASS    |
| Band38 | 5MHz      | QPSK       | 38225   | 12RB#0           | 20.92       | PASS    |
| Band38 | 5MHz      | QPSK       | 38225   | 12RB#6           | 20.94       | PASS    |
| Band38 | 5MHz      | QPSK       | 38225   | 12RB#13          | 20.80       | PASS    |
| Band38 | 5MHz      | QPSK       | 38225   | 25RB#0           | 20.84       | PASS    |
| Band38 | 5MHz      | 16QAM      | 38225   | 1RB#0            | 20.86       | PASS    |

|        |       |       |       |         |       |      |
|--------|-------|-------|-------|---------|-------|------|
| Band38 | 5MHz  | 16QAM | 38225 | 1RB#12  | 21.09 | PASS |
| Band38 | 5MHz  | 16QAM | 38225 | 1RB#24  | 20.78 | PASS |
| Band38 | 5MHz  | 16QAM | 38225 | 12RB#0  | 19.84 | PASS |
| Band38 | 5MHz  | 16QAM | 38225 | 12RB#6  | 19.84 | PASS |
| Band38 | 5MHz  | 16QAM | 38225 | 12RB#13 | 19.76 | PASS |
| Band38 | 5MHz  | 16QAM | 38225 | 25RB#0  | 19.84 | PASS |
| Band38 | 10MHz | QPSK  | 37800 | 1RB#0   | 22.01 | PASS |
| Band38 | 10MHz | QPSK  | 37800 | 1RB#24  | 22.17 | PASS |
| Band38 | 10MHz | QPSK  | 37800 | 1RB#49  | 21.91 | PASS |
| Band38 | 10MHz | QPSK  | 37800 | 25RB#0  | 21.13 | PASS |
| Band38 | 10MHz | QPSK  | 37800 | 25RB#12 | 21.07 | PASS |
| Band38 | 10MHz | QPSK  | 37800 | 25RB#25 | 21.04 | PASS |
| Band38 | 10MHz | QPSK  | 37800 | 50RB#0  | 21.09 | PASS |
| Band38 | 10MHz | 16QAM | 37800 | 1RB#0   | 21.24 | PASS |
| Band38 | 10MHz | 16QAM | 37800 | 1RB#24  | 21.35 | PASS |
| Band38 | 10MHz | 16QAM | 37800 | 1RB#49  | 21.16 | PASS |
| Band38 | 10MHz | 16QAM | 37800 | 25RB#0  | 20.21 | PASS |
| Band38 | 10MHz | 16QAM | 37800 | 25RB#12 | 20.11 | PASS |
| Band38 | 10MHz | 16QAM | 37800 | 25RB#25 | 20.14 | PASS |
| Band38 | 10MHz | 16QAM | 37800 | 50RB#0  | 20.11 | PASS |
| Band38 | 10MHz | QPSK  | 38000 | 1RB#0   | 22.01 | PASS |
| Band38 | 10MHz | QPSK  | 38000 | 1RB#24  | 22.14 | PASS |
| Band38 | 10MHz | QPSK  | 38000 | 1RB#49  | 21.93 | PASS |
| Band38 | 10MHz | QPSK  | 38000 | 25RB#0  | 21.07 | PASS |
| Band38 | 10MHz | QPSK  | 38000 | 25RB#12 | 21.04 | PASS |
| Band38 | 10MHz | QPSK  | 38000 | 25RB#25 | 20.96 | PASS |
| Band38 | 10MHz | QPSK  | 38000 | 50RB#0  | 21.01 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 1RB#0   | 20.72 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 1RB#24  | 20.78 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 1RB#49  | 20.58 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 25RB#0  | 20.09 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 25RB#12 | 20.06 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 25RB#25 | 19.99 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 50RB#0  | 20.04 | PASS |
| Band38 | 10MHz | QPSK  | 38200 | 1RB#0   | 21.96 | PASS |
| Band38 | 10MHz | QPSK  | 38200 | 1RB#24  | 22.04 | PASS |
| Band38 | 10MHz | QPSK  | 38200 | 1RB#49  | 21.81 | PASS |
| Band38 | 10MHz | QPSK  | 38200 | 25RB#0  | 21.03 | PASS |
| Band38 | 10MHz | QPSK  | 38200 | 25RB#12 | 20.97 | PASS |
| Band38 | 10MHz | QPSK  | 38200 | 25RB#25 | 20.84 | PASS |
| Band38 | 10MHz | QPSK  | 38200 | 50RB#0  | 20.96 | PASS |
| Band38 | 10MHz | 16QAM | 38200 | 1RB#0   | 20.88 | PASS |

|        |       |       |       |         |       |      |
|--------|-------|-------|-------|---------|-------|------|
| Band38 | 10MHz | 16QAM | 38200 | 1RB#24  | 20.92 | PASS |
| Band38 | 10MHz | 16QAM | 38200 | 1RB#49  | 20.74 | PASS |
| Band38 | 10MHz | 16QAM | 38200 | 25RB#0  | 20.04 | PASS |
| Band38 | 10MHz | 16QAM | 38200 | 25RB#12 | 19.99 | PASS |
| Band38 | 10MHz | 16QAM | 38200 | 25RB#25 | 19.86 | PASS |
| Band38 | 10MHz | 16QAM | 38200 | 50RB#0  | 19.94 | PASS |
| Band38 | 15MHz | QPSK  | 37825 | 1RB#0   | 21.94 | PASS |
| Band38 | 15MHz | QPSK  | 37825 | 1RB#38  | 22.04 | PASS |
| Band38 | 15MHz | QPSK  | 37825 | 1RB#74  | 21.76 | PASS |
| Band38 | 15MHz | QPSK  | 37825 | 38RB#0  | 21.01 | PASS |
| Band38 | 15MHz | QPSK  | 37825 | 38RB#18 | 21.07 | PASS |
| Band38 | 15MHz | QPSK  | 37825 | 38RB#37 | 21.01 | PASS |
| Band38 | 15MHz | QPSK  | 37825 | 75RB#0  | 21.02 | PASS |
| Band38 | 15MHz | 16QAM | 37825 | 1RB#0   | 21.16 | PASS |
| Band38 | 15MHz | 16QAM | 37825 | 1RB#38  | 21.17 | PASS |
| Band38 | 15MHz | 16QAM | 37825 | 1RB#74  | 20.97 | PASS |
| Band38 | 15MHz | 16QAM | 37825 | 38RB#0  | 21.06 | PASS |
| Band38 | 15MHz | 16QAM | 37825 | 38RB#18 | 20.10 | PASS |
| Band38 | 15MHz | 16QAM | 37825 | 38RB#37 | 21.04 | PASS |
| Band38 | 15MHz | 16QAM | 37825 | 75RB#0  | 20.08 | PASS |
| Band38 | 15MHz | QPSK  | 38000 | 1RB#0   | 21.97 | PASS |
| Band38 | 15MHz | QPSK  | 38000 | 1RB#38  | 21.97 | PASS |
| Band38 | 15MHz | QPSK  | 38000 | 1RB#74  | 21.78 | PASS |
| Band38 | 15MHz | QPSK  | 38000 | 38RB#0  | 20.98 | PASS |
| Band38 | 15MHz | QPSK  | 38000 | 38RB#18 | 21.02 | PASS |
| Band38 | 15MHz | QPSK  | 38000 | 38RB#37 | 21.00 | PASS |
| Band38 | 15MHz | QPSK  | 38000 | 75RB#0  | 20.98 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 1RB#0   | 20.78 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 1RB#38  | 20.84 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 1RB#74  | 20.59 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 38RB#0  | 20.97 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 38RB#18 | 19.98 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 38RB#37 | 21.01 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 75RB#0  | 20.00 | PASS |
| Band38 | 15MHz | QPSK  | 38175 | 1RB#0   | 21.85 | PASS |
| Band38 | 15MHz | QPSK  | 38175 | 1RB#38  | 21.88 | PASS |
| Band38 | 15MHz | QPSK  | 38175 | 1RB#74  | 21.62 | PASS |
| Band38 | 15MHz | QPSK  | 38175 | 38RB#0  | 20.95 | PASS |
| Band38 | 15MHz | QPSK  | 38175 | 38RB#18 | 20.97 | PASS |
| Band38 | 15MHz | QPSK  | 38175 | 38RB#37 | 20.93 | PASS |
| Band38 | 15MHz | QPSK  | 38175 | 75RB#0  | 20.91 | PASS |
| Band38 | 15MHz | 16QAM | 38175 | 1RB#0   | 20.75 | PASS |

|        |       |       |       |         |       |      |
|--------|-------|-------|-------|---------|-------|------|
| Band38 | 15MHz | 16QAM | 38175 | 1RB#38  | 20.81 | PASS |
| Band38 | 15MHz | 16QAM | 38175 | 1RB#74  | 20.55 | PASS |
| Band38 | 15MHz | 16QAM | 38175 | 38RB#0  | 20.95 | PASS |
| Band38 | 15MHz | 16QAM | 38175 | 38RB#18 | 19.99 | PASS |
| Band38 | 15MHz | 16QAM | 38175 | 38RB#37 | 20.91 | PASS |
| Band38 | 15MHz | 16QAM | 38175 | 75RB#0  | 19.94 | PASS |
| Band38 | 20MHz | QPSK  | 37850 | 1RB#0   | 21.84 | PASS |
| Band38 | 20MHz | QPSK  | 37850 | 1RB#49  | 22.31 | PASS |
| Band38 | 20MHz | QPSK  | 37850 | 1RB#99  | 21.68 | PASS |
| Band38 | 20MHz | QPSK  | 37850 | 50RB#0  | 21.08 | PASS |
| Band38 | 20MHz | QPSK  | 37850 | 50RB#25 | 21.07 | PASS |
| Band38 | 20MHz | QPSK  | 37850 | 50RB#50 | 20.96 | PASS |
| Band38 | 20MHz | QPSK  | 37850 | 100RB#0 | 21.05 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 1RB#0   | 20.89 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 1RB#49  | 21.25 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 1RB#99  | 20.75 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 50RB#0  | 20.15 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 50RB#25 | 20.15 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 50RB#50 | 20.03 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 100RB#0 | 20.05 | PASS |
| Band38 | 20MHz | QPSK  | 38000 | 1RB#0   | 21.75 | PASS |
| Band38 | 20MHz | QPSK  | 38000 | 1RB#49  | 22.16 | PASS |
| Band38 | 20MHz | QPSK  | 38000 | 1RB#99  | 21.53 | PASS |
| Band38 | 20MHz | QPSK  | 38000 | 50RB#0  | 21.08 | PASS |
| Band38 | 20MHz | QPSK  | 38000 | 50RB#25 | 21.00 | PASS |
| Band38 | 20MHz | QPSK  | 38000 | 50RB#50 | 20.85 | PASS |
| Band38 | 20MHz | QPSK  | 38000 | 100RB#0 | 20.99 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 1RB#0   | 20.38 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 1RB#49  | 21.11 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 1RB#99  | 20.14 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 50RB#0  | 20.12 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 50RB#25 | 20.09 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 50RB#50 | 19.93 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 100RB#0 | 20.00 | PASS |
| Band38 | 20MHz | QPSK  | 38150 | 1RB#0   | 21.80 | PASS |
| Band38 | 20MHz | QPSK  | 38150 | 1RB#49  | 22.09 | PASS |
| Band38 | 20MHz | QPSK  | 38150 | 1RB#99  | 21.53 | PASS |
| Band38 | 20MHz | QPSK  | 38150 | 50RB#0  | 21.01 | PASS |
| Band38 | 20MHz | QPSK  | 38150 | 50RB#25 | 20.91 | PASS |
| Band38 | 20MHz | QPSK  | 38150 | 50RB#50 | 20.74 | PASS |
| Band38 | 20MHz | QPSK  | 38150 | 100RB#0 | 20.89 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 1RB#0   | 20.52 | PASS |

|        |       |       |       |         |       |      |
|--------|-------|-------|-------|---------|-------|------|
| Band38 | 20MHz | 16QAM | 38150 | 1RB#49  | 21.11 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 1RB#99  | 20.22 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 50RB#0  | 20.06 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 50RB#25 | 19.92 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 50RB#50 | 19.72 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 100RB#0 | 19.93 | PASS |

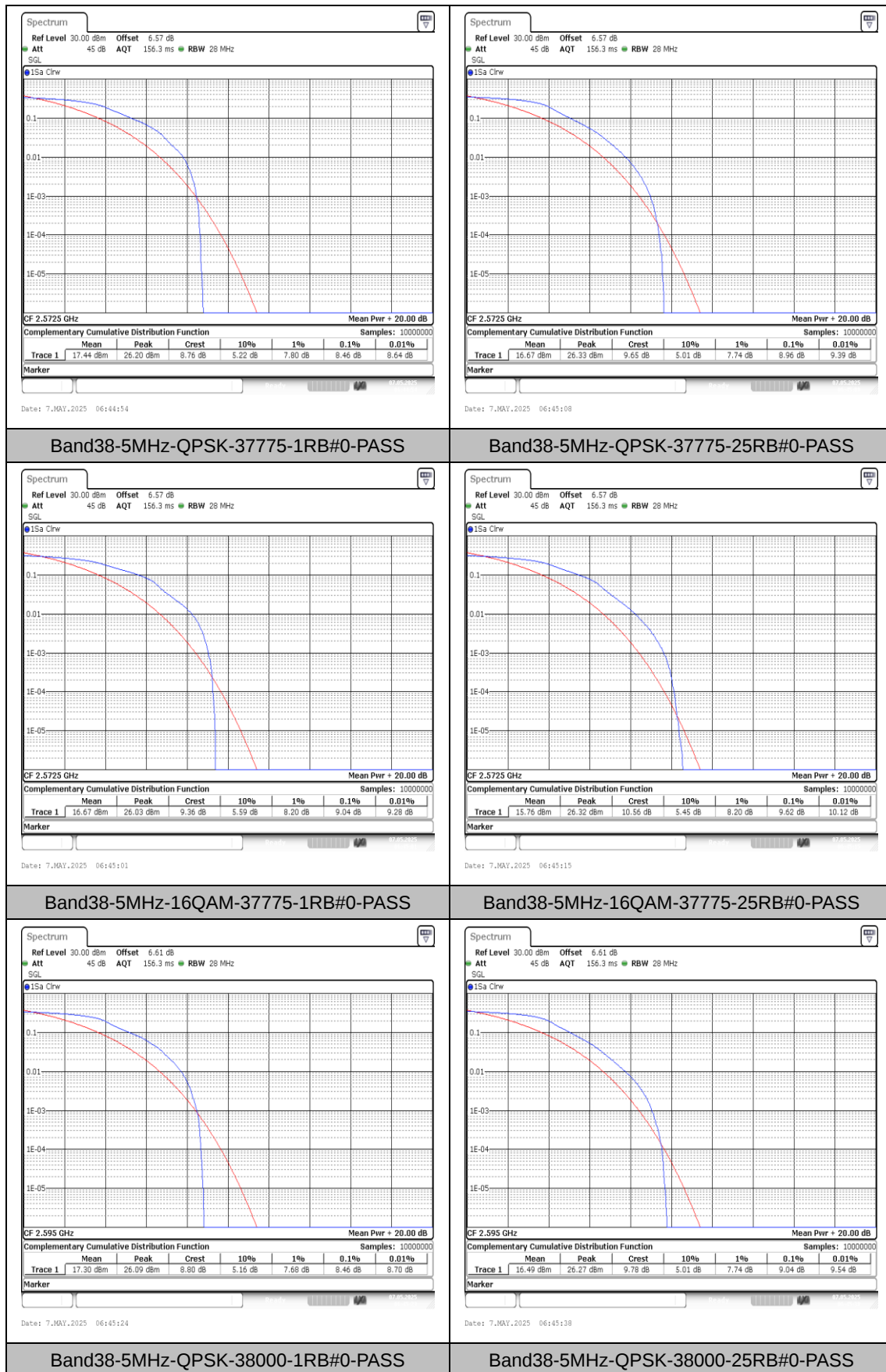
## Appendix B: Peak-to-Average Ratio(CCDF)

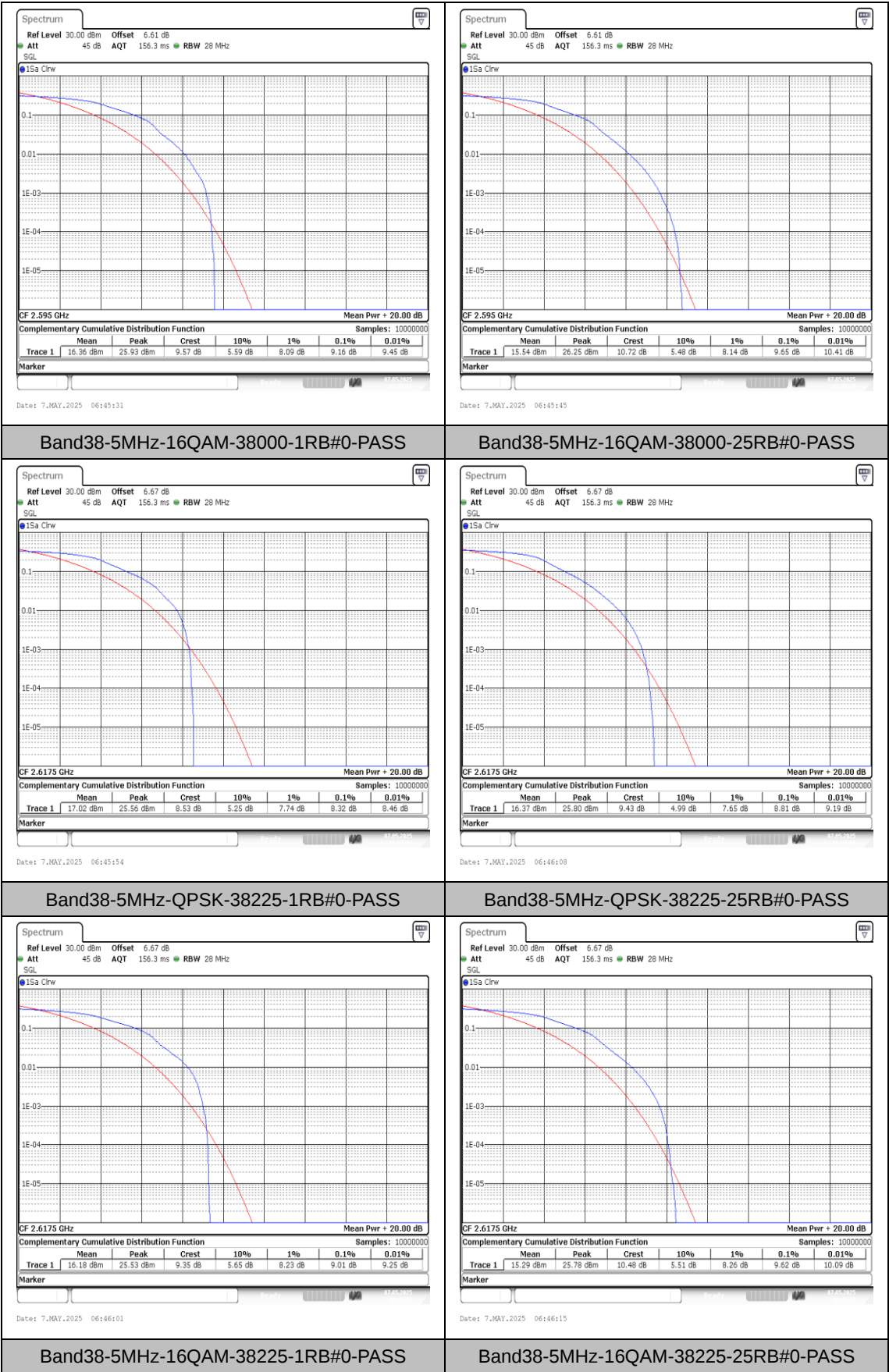
### Test Result

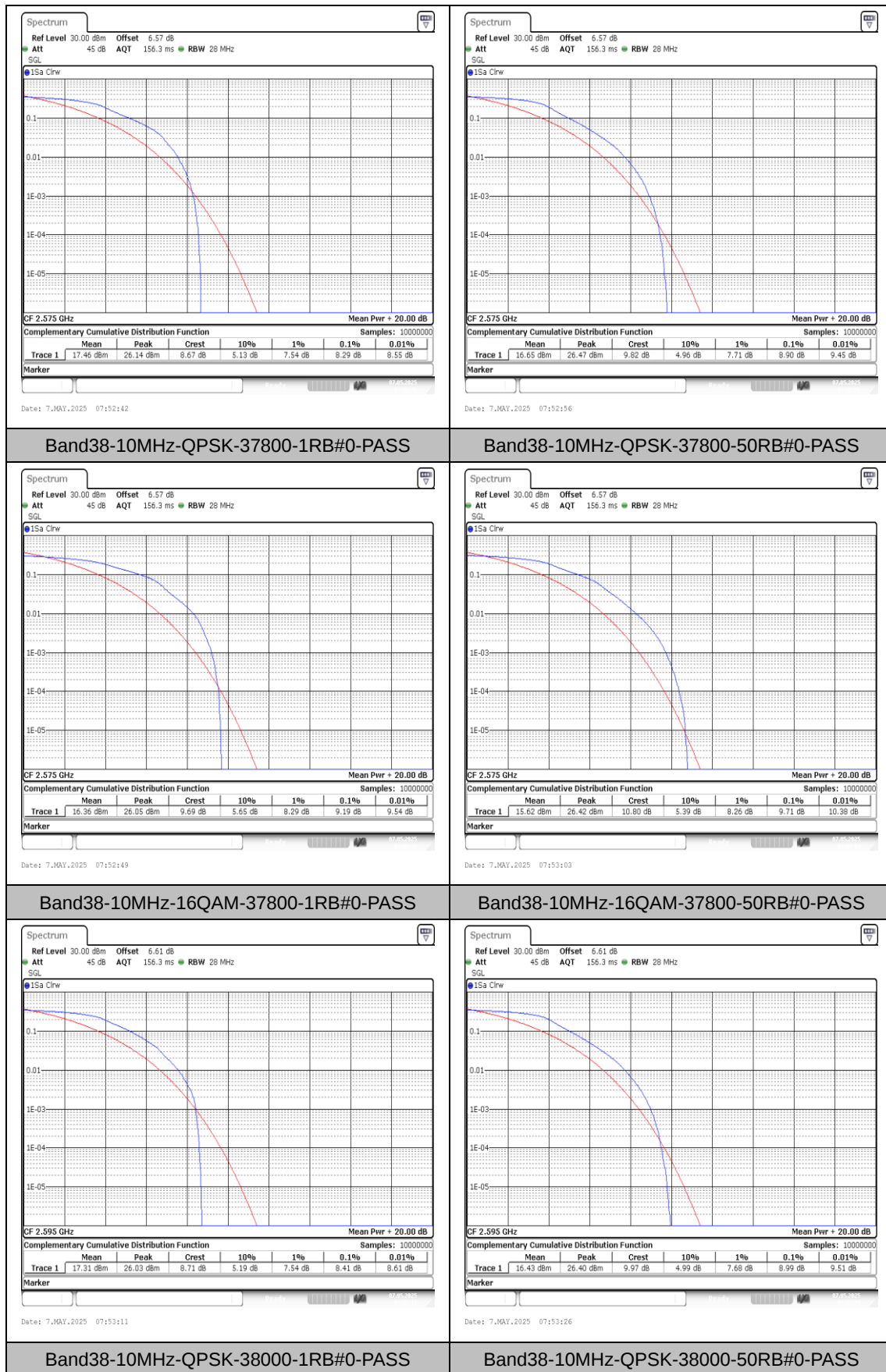
| Band   | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|--------|-----------|------------|---------|------------------|------------|-----------|---------|
| Band38 | 5MHz      | QPSK       | 37775   | 1RB#0            | 8.46       | 13        | PASS    |
| Band38 | 5MHz      | QPSK       | 37775   | 25RB#0           | 8.96       | 13        | PASS    |
| Band38 | 5MHz      | 16QAM      | 37775   | 1RB#0            | 9.04       | 13        | PASS    |
| Band38 | 5MHz      | 16QAM      | 37775   | 25RB#0           | 9.62       | 13        | PASS    |
| Band38 | 5MHz      | QPSK       | 38000   | 1RB#0            | 8.46       | 13        | PASS    |
| Band38 | 5MHz      | QPSK       | 38000   | 25RB#0           | 9.04       | 13        | PASS    |
| Band38 | 5MHz      | 16QAM      | 38000   | 1RB#0            | 9.16       | 13        | PASS    |
| Band38 | 5MHz      | 16QAM      | 38000   | 25RB#0           | 9.65       | 13        | PASS    |
| Band38 | 5MHz      | QPSK       | 38225   | 1RB#0            | 8.32       | 13        | PASS    |
| Band38 | 5MHz      | QPSK       | 38225   | 25RB#0           | 8.81       | 13        | PASS    |
| Band38 | 5MHz      | 16QAM      | 38225   | 1RB#0            | 9.01       | 13        | PASS    |
| Band38 | 5MHz      | 16QAM      | 38225   | 25RB#0           | 9.62       | 13        | PASS    |
| Band38 | 10MHz     | QPSK       | 37800   | 1RB#0            | 8.29       | 13        | PASS    |
| Band38 | 10MHz     | QPSK       | 37800   | 50RB#0           | 8.90       | 13        | PASS    |
| Band38 | 10MHz     | 16QAM      | 37800   | 1RB#0            | 9.19       | 13        | PASS    |
| Band38 | 10MHz     | 16QAM      | 37800   | 50RB#0           | 9.71       | 13        | PASS    |
| Band38 | 10MHz     | QPSK       | 38000   | 1RB#0            | 8.41       | 13        | PASS    |
| Band38 | 10MHz     | QPSK       | 38000   | 50RB#0           | 8.99       | 13        | PASS    |
| Band38 | 10MHz     | 16QAM      | 38000   | 1RB#0            | 9.33       | 13        | PASS    |
| Band38 | 10MHz     | 16QAM      | 38000   | 50RB#0           | 9.77       | 13        | PASS    |
| Band38 | 10MHz     | QPSK       | 38200   | 1RB#0            | 8.23       | 13        | PASS    |
| Band38 | 10MHz     | QPSK       | 38200   | 50RB#0           | 8.87       | 13        | PASS    |
| Band38 | 10MHz     | 16QAM      | 38200   | 1RB#0            | 9.07       | 13        | PASS    |
| Band38 | 10MHz     | 16QAM      | 38200   | 50RB#0           | 9.65       | 13        | PASS    |
| Band38 | 15MHz     | QPSK       | 37825   | 1RB#0            | 8.46       | 13        | PASS    |
| Band38 | 15MHz     | QPSK       | 37825   | 75RB#0           | 9.19       | 13        | PASS    |
| Band38 | 15MHz     | 16QAM      | 37825   | 1RB#0            | 9.19       | 13        | PASS    |
| Band38 | 15MHz     | 16QAM      | 37825   | 75RB#0           | 9.86       | 13        | PASS    |
| Band38 | 15MHz     | QPSK       | 38000   | 1RB#0            | 8.58       | 13        | PASS    |
| Band38 | 15MHz     | QPSK       | 38000   | 75RB#0           | 9.22       | 13        | PASS    |
| Band38 | 15MHz     | 16QAM      | 38000   | 1RB#0            | 9.42       | 13        | PASS    |
| Band38 | 15MHz     | 16QAM      | 38000   | 75RB#0           | 9.77       | 13        | PASS    |
| Band38 | 15MHz     | QPSK       | 38175   | 1RB#0            | 8.38       | 13        | PASS    |
| Band38 | 15MHz     | QPSK       | 38175   | 75RB#0           | 8.99       | 13        | PASS    |
| Band38 | 15MHz     | 16QAM      | 38175   | 1RB#0            | 9.19       | 13        | PASS    |
| Band38 | 15MHz     | 16QAM      | 38175   | 75RB#0           | 9.80       | 13        | PASS    |
| Band38 | 20MHz     | QPSK       | 37850   | 1RB#0            | 8.26       | 13        | PASS    |

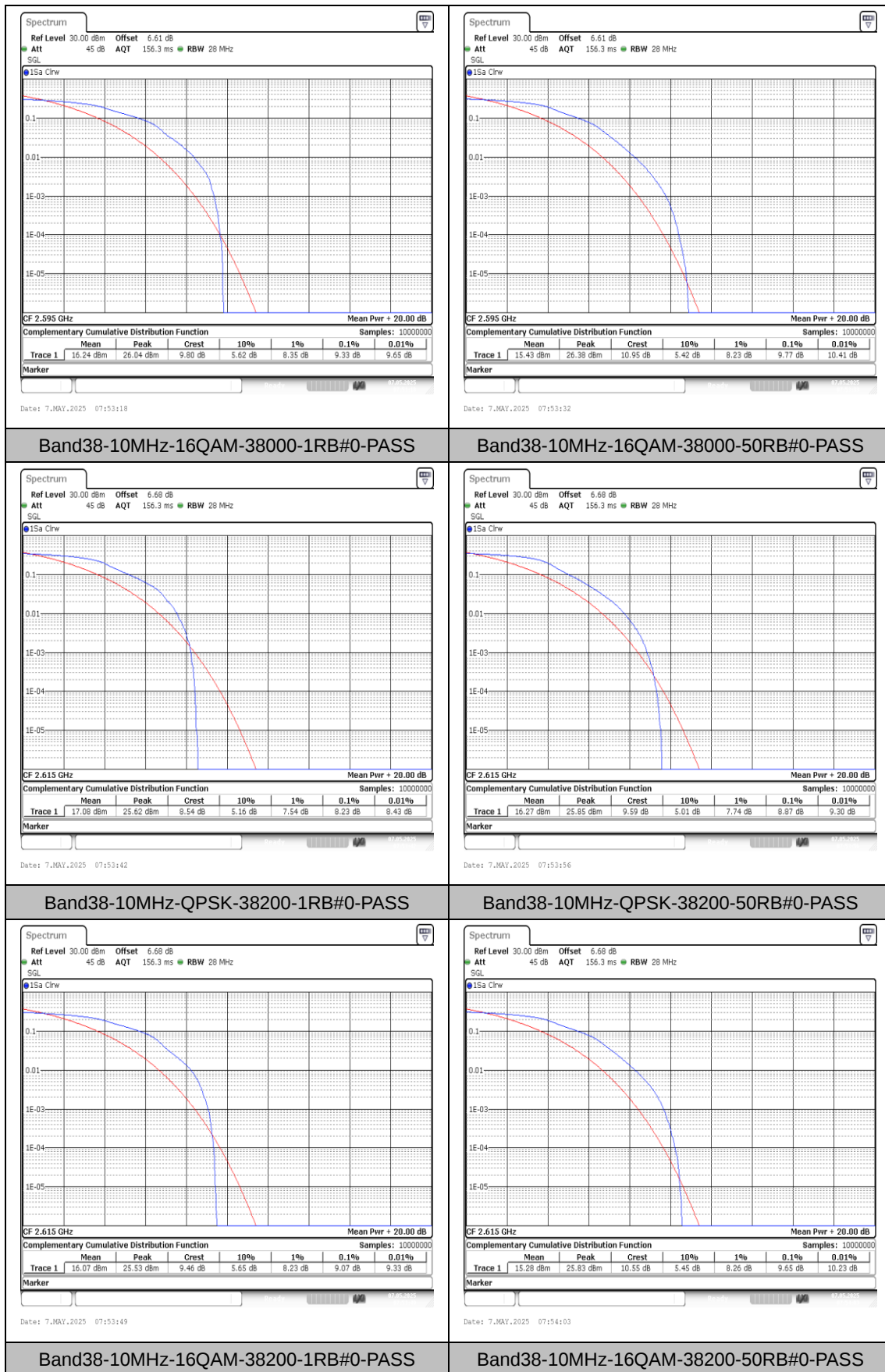
|        |       |       |       |         |      |    |      |
|--------|-------|-------|-------|---------|------|----|------|
| Band38 | 20MHz | QPSK  | 37850 | 100RB#0 | 8.87 | 13 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 1RB#0   | 9.07 | 13 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 100RB#0 | 9.68 | 13 | PASS |
| Band38 | 20MHz | QPSK  | 38000 | 1RB#0   | 8.55 | 13 | PASS |
| Band38 | 20MHz | QPSK  | 38000 | 100RB#0 | 8.96 | 13 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 1RB#0   | 9.45 | 13 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 100RB#0 | 9.65 | 13 | PASS |
| Band38 | 20MHz | QPSK  | 38150 | 1RB#0   | 8.23 | 13 | PASS |
| Band38 | 20MHz | QPSK  | 38150 | 100RB#0 | 8.87 | 13 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 1RB#0   | 9.01 | 13 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 100RB#0 | 9.57 | 13 | PASS |

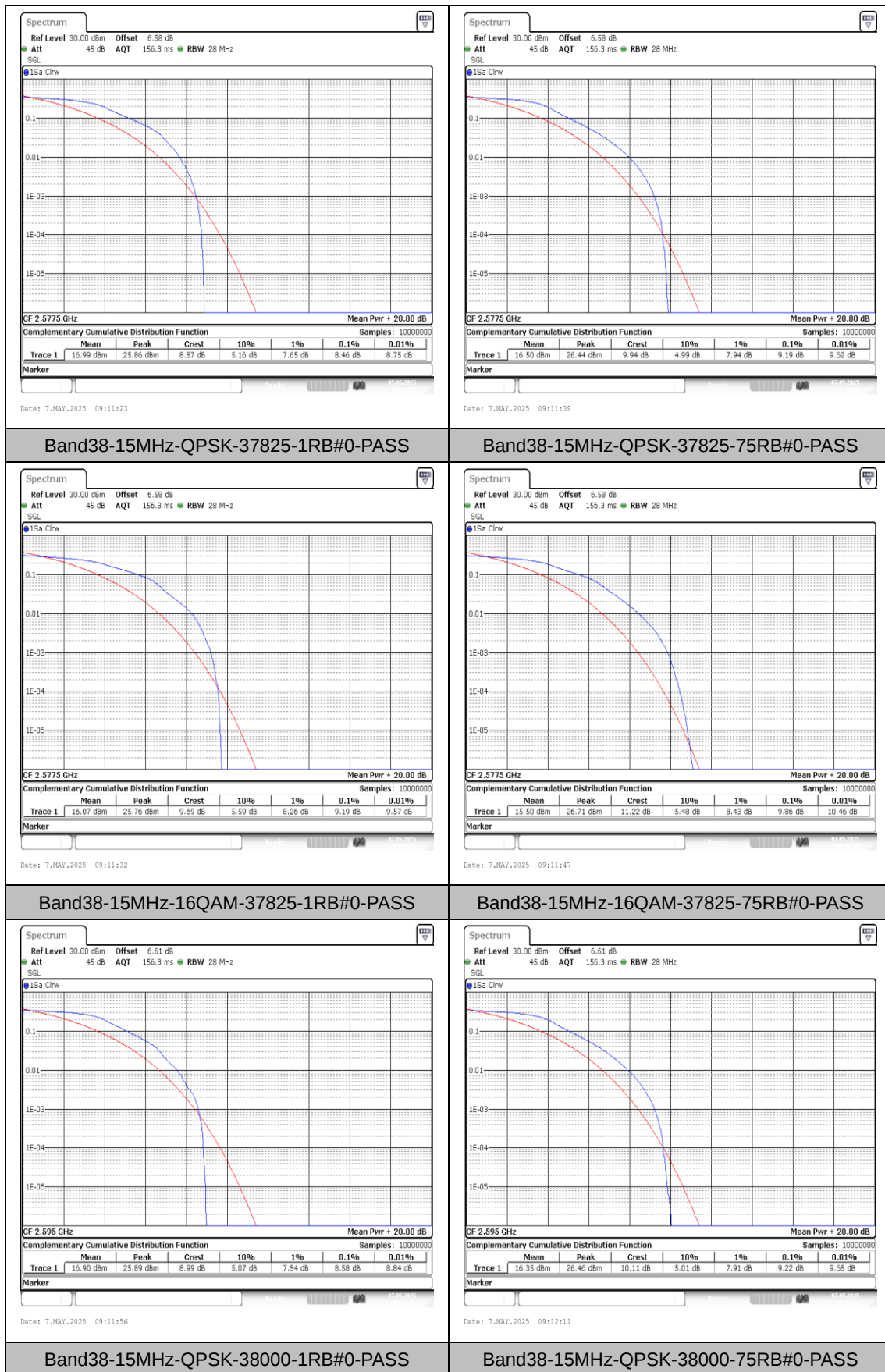
## Test Graphs

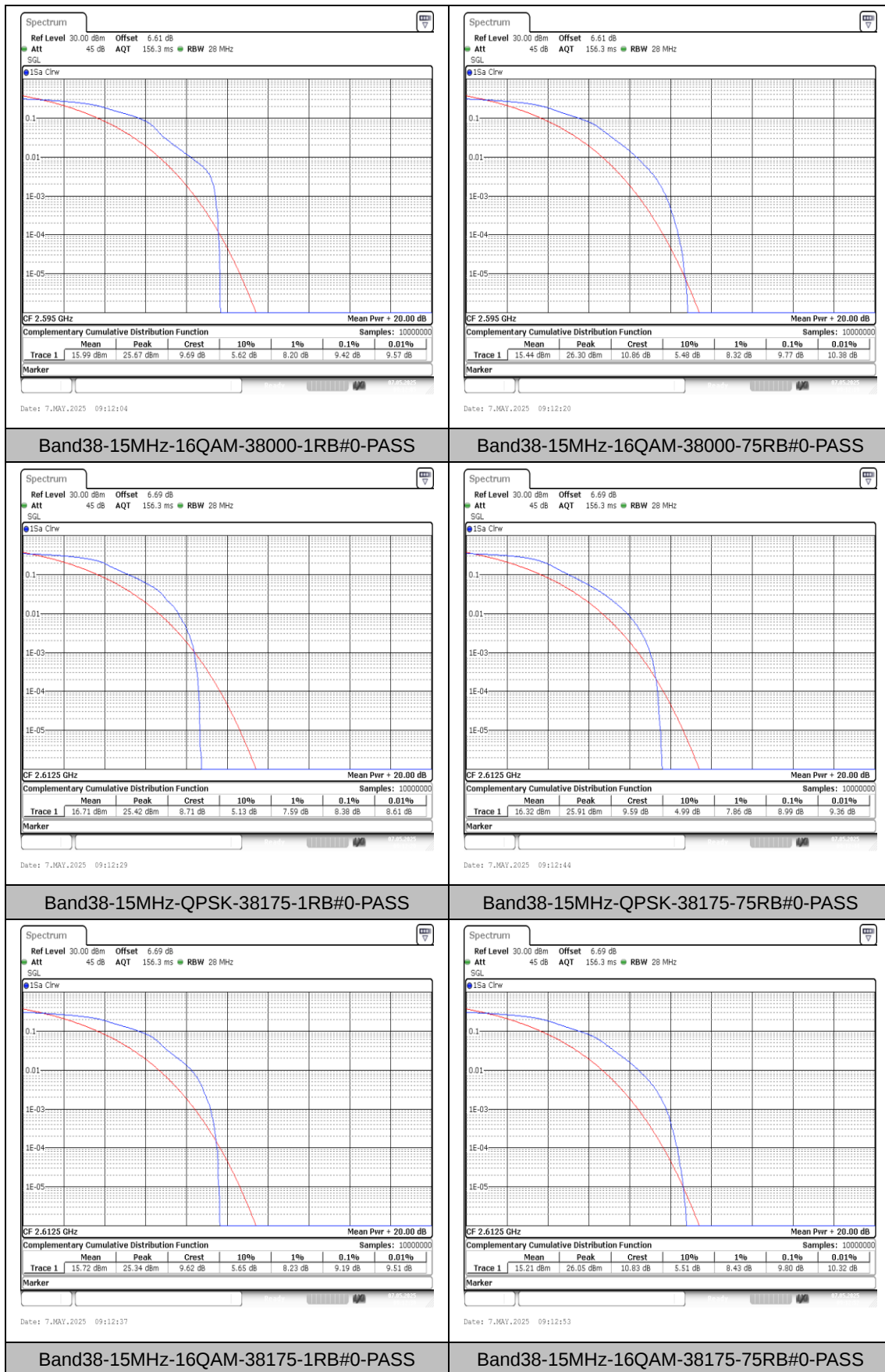


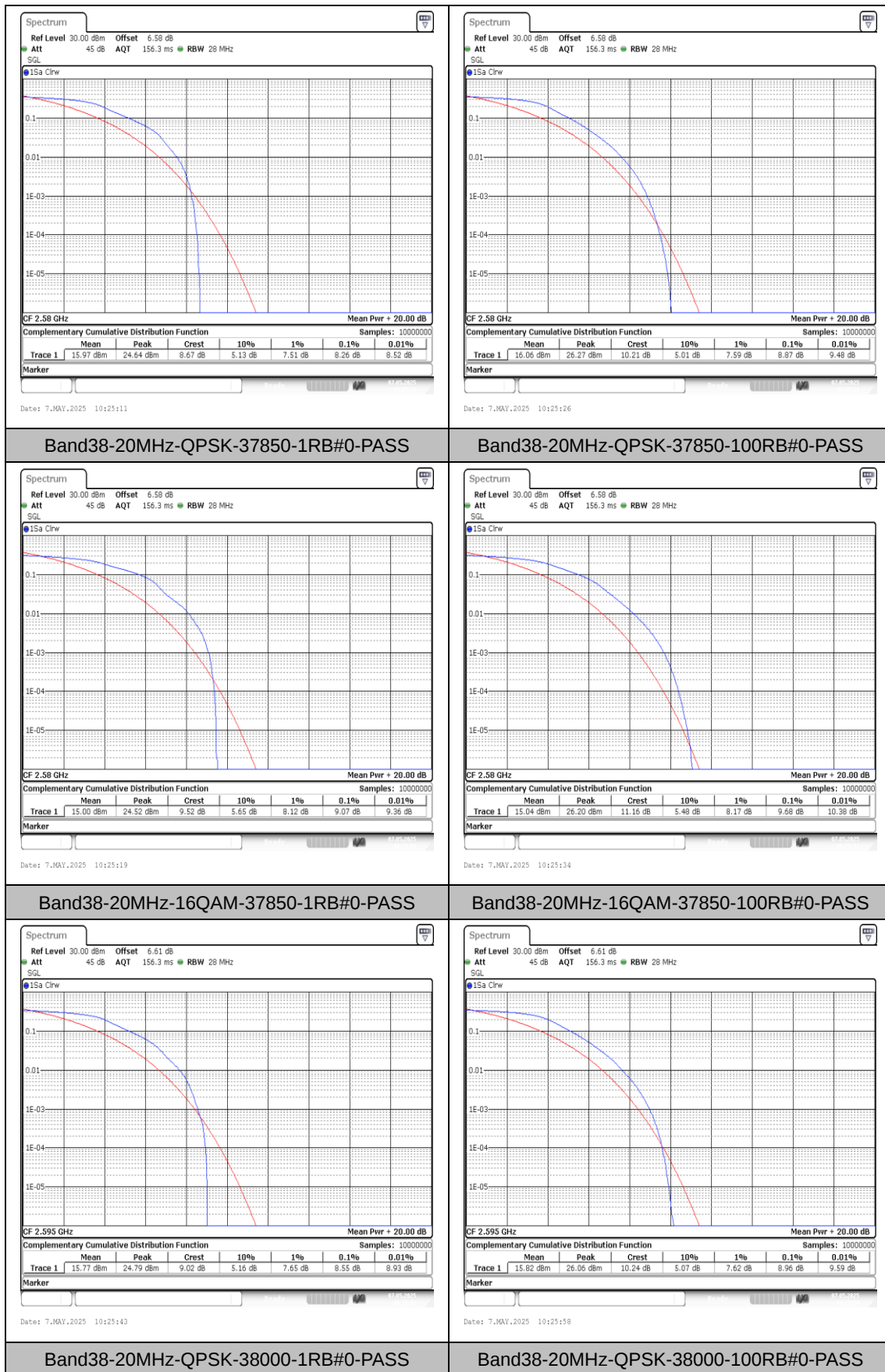


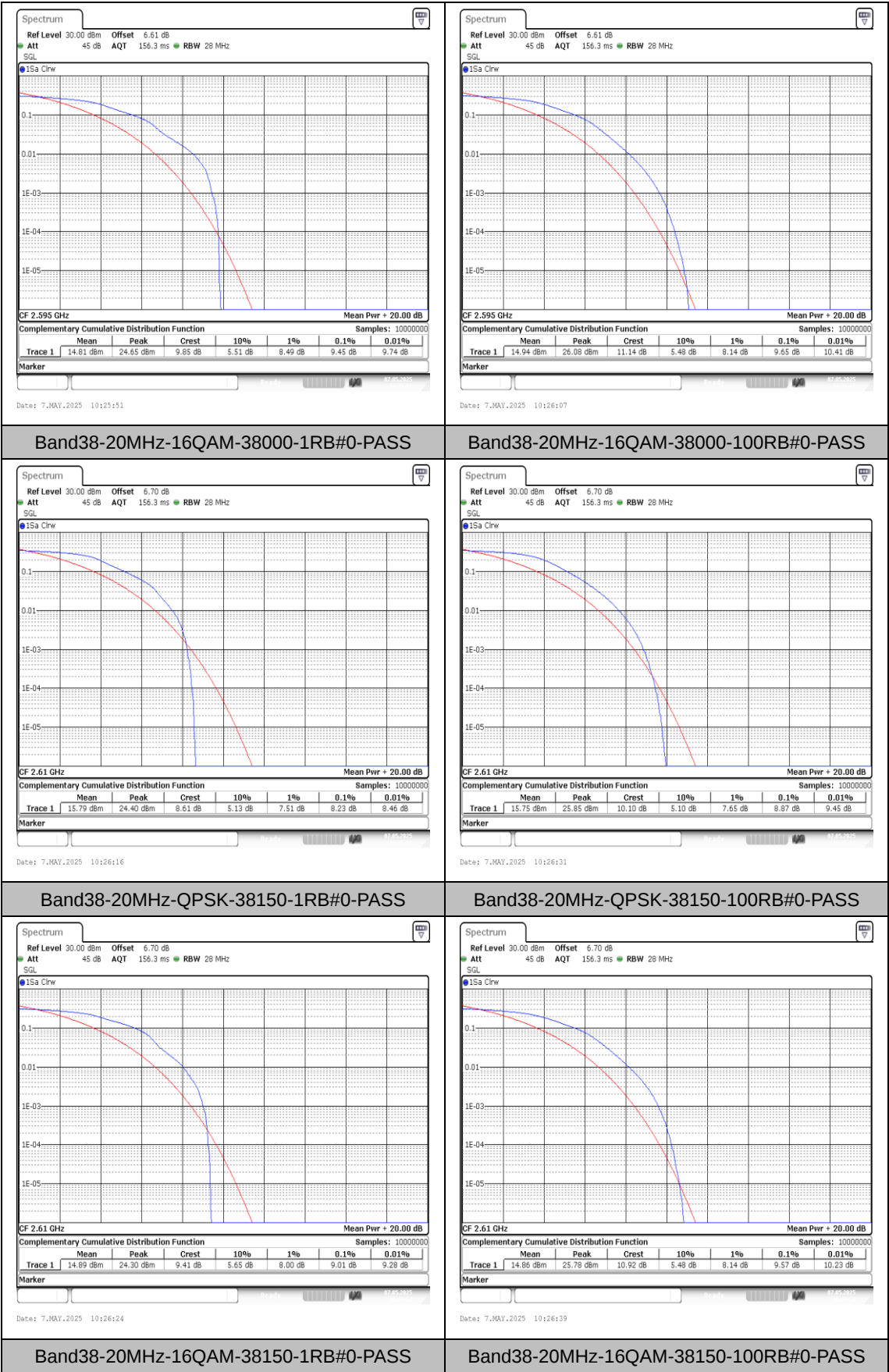










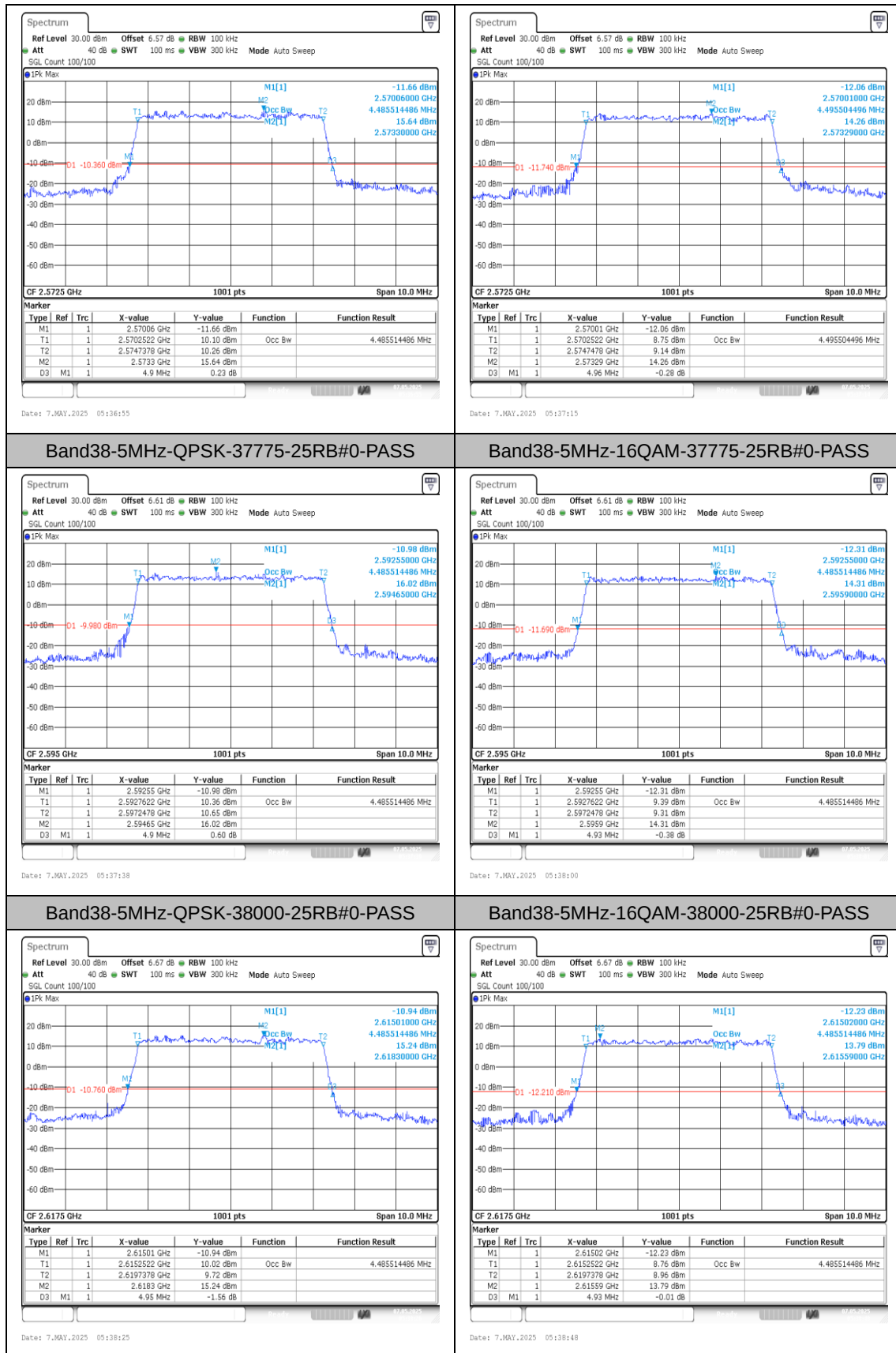


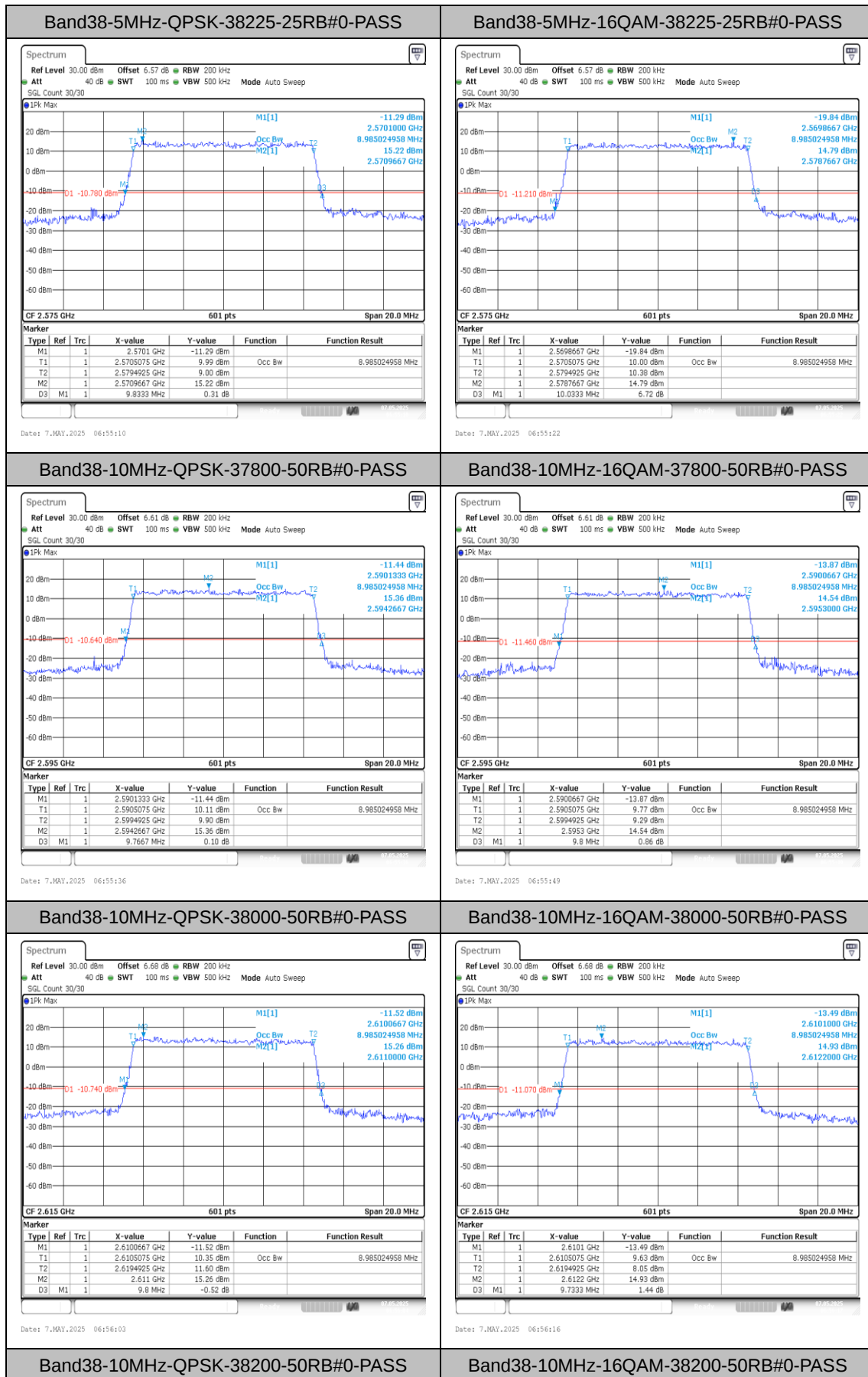
## Appendix C: 26dB Bandwidth and Occupied Bandwidth

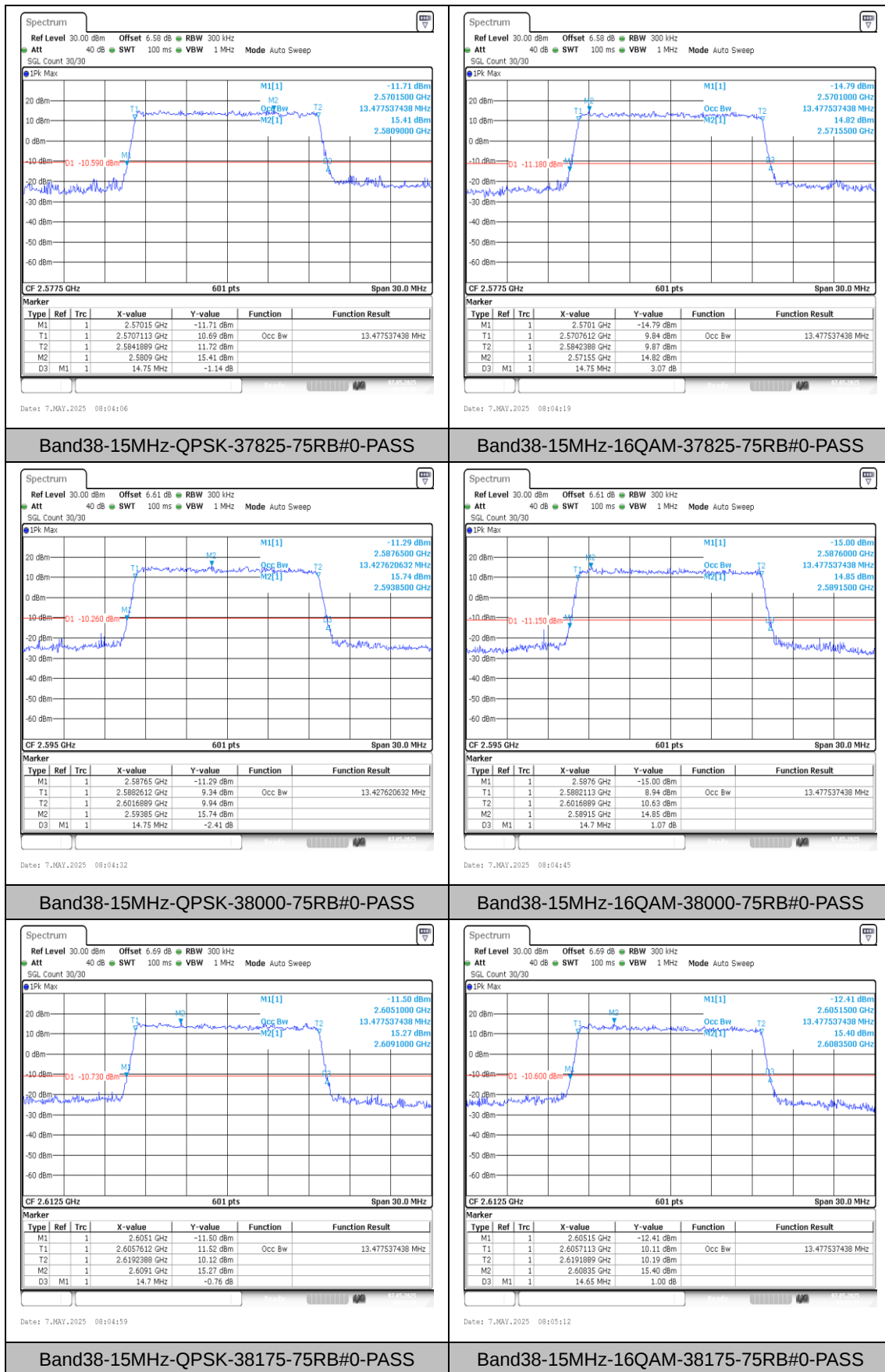
### Test Result

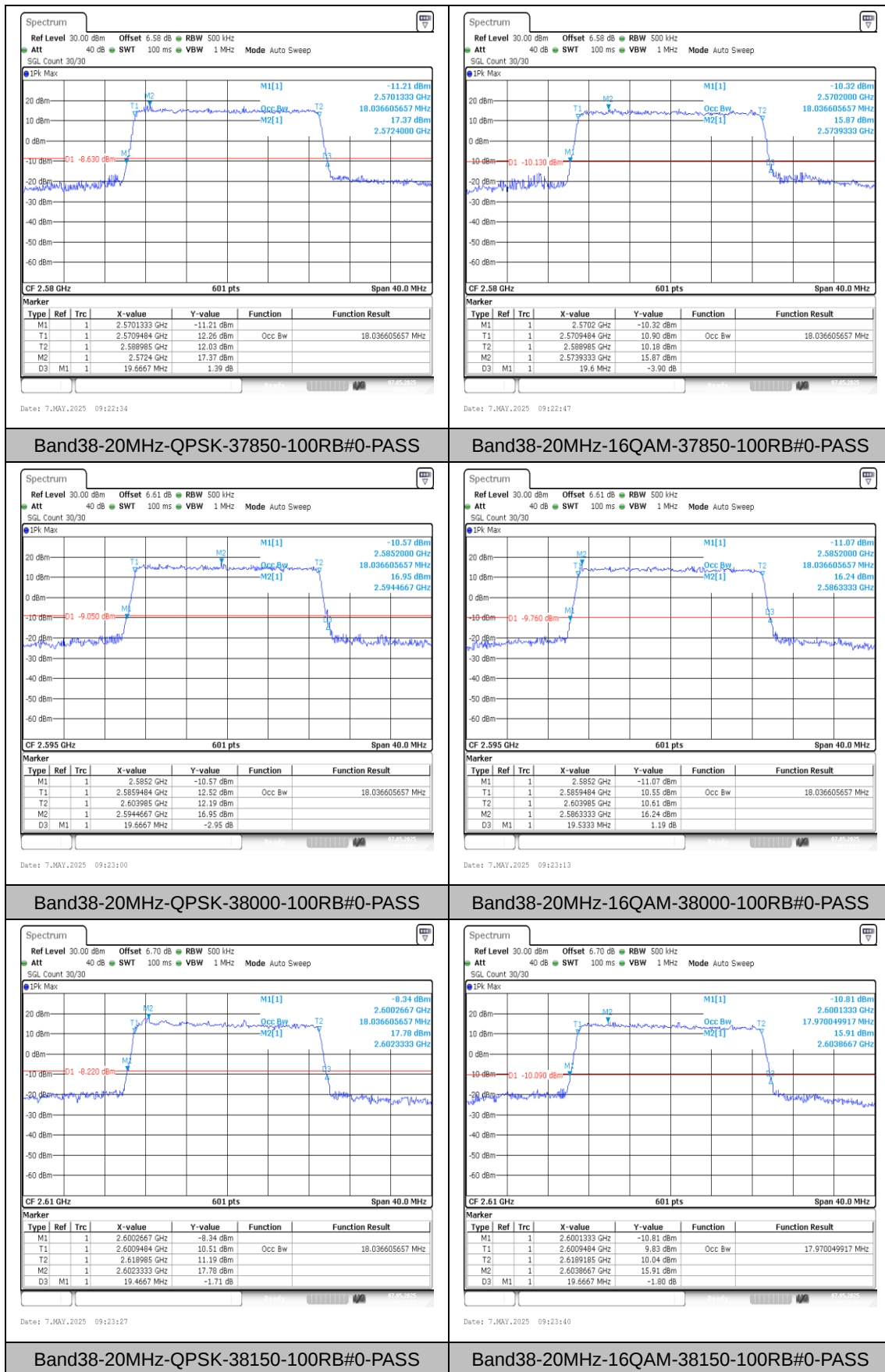
| Band   | Bandwidth | Modulation | Channel | RB Configuration | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|--------|-----------|------------|---------|------------------|--------------------------|----------------------|---------|
| Band38 | 5MHz      | QPSK       | 37775   | 25RB#0           | 4.486                    | 4.90                 | PASS    |
| Band38 | 5MHz      | 16QAM      | 37775   | 25RB#0           | 4.496                    | 4.96                 | PASS    |
| Band38 | 5MHz      | QPSK       | 38000   | 25RB#0           | 4.486                    | 4.90                 | PASS    |
| Band38 | 5MHz      | 16QAM      | 38000   | 25RB#0           | 4.486                    | 4.93                 | PASS    |
| Band38 | 5MHz      | QPSK       | 38225   | 25RB#0           | 4.486                    | 4.95                 | PASS    |
| Band38 | 5MHz      | 16QAM      | 38225   | 25RB#0           | 4.486                    | 4.93                 | PASS    |
| Band38 | 10MHz     | QPSK       | 37800   | 50RB#0           | 8.985                    | 9.83                 | PASS    |
| Band38 | 10MHz     | 16QAM      | 37800   | 50RB#0           | 8.985                    | 10.03                | PASS    |
| Band38 | 10MHz     | QPSK       | 38000   | 50RB#0           | 8.985                    | 9.77                 | PASS    |
| Band38 | 10MHz     | 16QAM      | 38000   | 50RB#0           | 8.985                    | 9.80                 | PASS    |
| Band38 | 10MHz     | QPSK       | 38200   | 50RB#0           | 8.985                    | 9.80                 | PASS    |
| Band38 | 10MHz     | 16QAM      | 38200   | 50RB#0           | 8.985                    | 9.73                 | PASS    |
| Band38 | 15MHz     | QPSK       | 37825   | 75RB#0           | 13.478                   | 14.75                | PASS    |
| Band38 | 15MHz     | 16QAM      | 37825   | 75RB#0           | 13.478                   | 14.75                | PASS    |
| Band38 | 15MHz     | QPSK       | 38000   | 75RB#0           | 13.428                   | 14.75                | PASS    |
| Band38 | 15MHz     | 16QAM      | 38000   | 75RB#0           | 13.478                   | 14.70                | PASS    |
| Band38 | 15MHz     | QPSK       | 38175   | 75RB#0           | 13.478                   | 14.70                | PASS    |
| Band38 | 15MHz     | 16QAM      | 38175   | 75RB#0           | 13.478                   | 14.65                | PASS    |
| Band38 | 20MHz     | QPSK       | 37850   | 100RB#0          | 18.037                   | 19.67                | PASS    |
| Band38 | 20MHz     | 16QAM      | 37850   | 100RB#0          | 18.037                   | 19.60                | PASS    |
| Band38 | 20MHz     | QPSK       | 38000   | 100RB#0          | 18.037                   | 19.67                | PASS    |
| Band38 | 20MHz     | 16QAM      | 38000   | 100RB#0          | 18.037                   | 19.53                | PASS    |
| Band38 | 20MHz     | QPSK       | 38150   | 100RB#0          | 18.037                   | 19.47                | PASS    |
| Band38 | 20MHz     | 16QAM      | 38150   | 100RB#0          | 17.97                    | 19.67                | PASS    |

## Test Graphs









## Appendix D: Band Edge

### Test Result

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Result(dBm) | Verdict |
|--------|-----------|------------|---------|------------------|-------------|---------|
| Band38 | 5MHz      | QPSK       | 37775   | 1RB#0            | -18.75      | PASS    |
| Band38 | 5MHz      | QPSK       | 37775   | 1RB#24           | -26.12      | PASS    |
| Band38 | 5MHz      | QPSK       | 37775   | 25RB#0           | -34.85      | PASS    |
| Band38 | 5MHz      | 16QAM      | 37775   | 1RB#0            | -20.10      | PASS    |
| Band38 | 5MHz      | 16QAM      | 37775   | 1RB#24           | -28.08      | PASS    |
| Band38 | 5MHz      | 16QAM      | 37775   | 25RB#0           | -36.18      | PASS    |
| Band38 | 5MHz      | QPSK       | 38225   | 1RB#0            | -25.93      | PASS    |
| Band38 | 5MHz      | QPSK       | 38225   | 1RB#24           | -19.14      | PASS    |
| Band38 | 5MHz      | QPSK       | 38225   | 25RB#0           | -36.65      | PASS    |
| Band38 | 5MHz      | 16QAM      | 38225   | 1RB#0            | -27.60      | PASS    |
| Band38 | 5MHz      | 16QAM      | 38225   | 1RB#24           | -20.72      | PASS    |
| Band38 | 5MHz      | 16QAM      | 38225   | 25RB#0           | -38.32      | PASS    |
| Band38 | 10MHz     | QPSK       | 37800   | 1RB#0            | -20.31      | PASS    |
| Band38 | 10MHz     | QPSK       | 37800   | 1RB#49           | -26.91      | PASS    |
| Band38 | 10MHz     | QPSK       | 37800   | 50RB#0           | -38.72      | PASS    |
| Band38 | 10MHz     | 16QAM      | 37800   | 1RB#0            | -22.34      | PASS    |
| Band38 | 10MHz     | 16QAM      | 37800   | 1RB#49           | -28.69      | PASS    |
| Band38 | 10MHz     | 16QAM      | 37800   | 50RB#0           | -37.95      | PASS    |
| Band38 | 10MHz     | QPSK       | 38200   | 1RB#0            | -25.89      | PASS    |
| Band38 | 10MHz     | QPSK       | 38200   | 1RB#49           | -20.89      | PASS    |
| Band38 | 10MHz     | QPSK       | 38200   | 50RB#0           | -39.96      | PASS    |
| Band38 | 10MHz     | 16QAM      | 38200   | 1RB#0            | -27.59      | PASS    |
| Band38 | 10MHz     | 16QAM      | 38200   | 1RB#49           | -22.20      | PASS    |
| Band38 | 10MHz     | 16QAM      | 38200   | 50RB#0           | -40.10      | PASS    |
| Band38 | 15MHz     | QPSK       | 37825   | 1RB#0            | -22.09      | PASS    |
| Band38 | 15MHz     | QPSK       | 37825   | 1RB#74           | -26.65      | PASS    |
| Band38 | 15MHz     | QPSK       | 37825   | 75RB#0           | -39.53      | PASS    |
| Band38 | 15MHz     | 16QAM      | 37825   | 1RB#0            | -22.24      | PASS    |
| Band38 | 15MHz     | 16QAM      | 37825   | 1RB#74           | -28.60      | PASS    |
| Band38 | 15MHz     | 16QAM      | 37825   | 75RB#0           | -39.76      | PASS    |
| Band38 | 15MHz     | QPSK       | 38175   | 1RB#0            | -25.48      | PASS    |
| Band38 | 15MHz     | QPSK       | 38175   | 1RB#74           | -22.12      | PASS    |
| Band38 | 15MHz     | QPSK       | 38175   | 75RB#0           | -39.22      | PASS    |
| Band38 | 15MHz     | 16QAM      | 38175   | 1RB#0            | -26.80      | PASS    |
| Band38 | 15MHz     | 16QAM      | 38175   | 1RB#74           | -24.55      | PASS    |

|        |       |       |       |         |        |      |
|--------|-------|-------|-------|---------|--------|------|
| Band38 | 15MHz | 16QAM | 38175 | 75RB#0  | -41.09 | PASS |
| Band38 | 20MHz | QPSK  | 37850 | 1RB#0   | -21.70 | PASS |
| Band38 | 20MHz | QPSK  | 37850 | 1RB#99  | -32.47 | PASS |
| Band38 | 20MHz | QPSK  | 37850 | 100RB#0 | -42.41 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 1RB#0   | -23.40 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 1RB#99  | -33.61 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 100RB#0 | -41.72 | PASS |
| Band38 | 20MHz | QPSK  | 38150 | 1RB#0   | -26.68 | PASS |
| Band38 | 20MHz | QPSK  | 38150 | 1RB#99  | -24.55 | PASS |
| Band38 | 20MHz | QPSK  | 38150 | 100RB#0 | -42.38 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 1RB#0   | -28.18 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 1RB#99  | -23.98 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 100RB#0 | -42.97 | PASS |

## Test Graphs

