

## Appendix for LTE Band17

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## Appendix A: Effective (Isotropic) Radiated Power Output Data

### Test Result

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Result(dBm) | Verdict |
|--------|-----------|------------|---------|------------------|-------------|---------|
| Band17 | 5MHz      | QPSK       | 23755   | 1RB#0            | 20.15       | PASS    |
| Band17 | 5MHz      | QPSK       | 23755   | 1RB#12           | 20.59       | PASS    |
| Band17 | 5MHz      | QPSK       | 23755   | 1RB#24           | 20.74       | PASS    |
| Band17 | 5MHz      | QPSK       | 23755   | 12RB#0           | 19.29       | PASS    |
| Band17 | 5MHz      | QPSK       | 23755   | 12RB#6           | 19.31       | PASS    |
| Band17 | 5MHz      | QPSK       | 23755   | 12RB#13          | 19.55       | PASS    |
| Band17 | 5MHz      | QPSK       | 23755   | 25RB#0           | 19.44       | PASS    |
| Band17 | 5MHz      | QPSK       | 23790   | 1RB#0            | 20.70       | PASS    |
| Band17 | 5MHz      | QPSK       | 23790   | 1RB#12           | 21.18       | PASS    |
| Band17 | 5MHz      | QPSK       | 23790   | 1RB#24           | 21.36       | PASS    |
| Band17 | 5MHz      | QPSK       | 23790   | 12RB#0           | 19.84       | PASS    |
| Band17 | 5MHz      | QPSK       | 23790   | 12RB#6           | 19.79       | PASS    |
| Band17 | 5MHz      | QPSK       | 23790   | 12RB#13          | 20.14       | PASS    |
| Band17 | 5MHz      | QPSK       | 23790   | 25RB#0           | 19.99       | PASS    |
| Band17 | 5MHz      | QPSK       | 23825   | 1RB#0            | 21.21       | PASS    |
| Band17 | 5MHz      | QPSK       | 23825   | 1RB#12           | 21.62       | PASS    |
| Band17 | 5MHz      | QPSK       | 23825   | 1RB#24           | 21.55       | PASS    |
| Band17 | 5MHz      | QPSK       | 23825   | 12RB#0           | 20.33       | PASS    |
| Band17 | 5MHz      | QPSK       | 23825   | 12RB#6           | 20.38       | PASS    |
| Band17 | 5MHz      | QPSK       | 23825   | 12RB#13          | 20.50       | PASS    |
| Band17 | 5MHz      | QPSK       | 23825   | 25RB#0           | 20.49       | PASS    |
| Band17 | 5MHz      | 16QAM      | 23755   | 1RB#0            | 19.07       | PASS    |
| Band17 | 5MHz      | 16QAM      | 23755   | 1RB#12           | 19.52       | PASS    |
| Band17 | 5MHz      | 16QAM      | 23755   | 1RB#24           | 19.62       | PASS    |
| Band17 | 5MHz      | 16QAM      | 23755   | 12RB#0           | 18.29       | PASS    |
| Band17 | 5MHz      | 16QAM      | 23755   | 12RB#6           | 18.24       | PASS    |
| Band17 | 5MHz      | 16QAM      | 23755   | 12RB#13          | 18.64       | PASS    |
| Band17 | 5MHz      | 16QAM      | 23755   | 25RB#0           | 18.48       | PASS    |
| Band17 | 5MHz      | 16QAM      | 23790   | 1RB#0            | 19.57       | PASS    |
| Band17 | 5MHz      | 16QAM      | 23790   | 1RB#12           | 20.07       | PASS    |

|        |       |       |       |         |       |      |
|--------|-------|-------|-------|---------|-------|------|
| Band17 | 5MHz  | 16QAM | 23790 | 1RB#24  | 20.21 | PASS |
| Band17 | 5MHz  | 16QAM | 23790 | 12RB#0  | 18.84 | PASS |
| Band17 | 5MHz  | 16QAM | 23790 | 12RB#6  | 18.88 | PASS |
| Band17 | 5MHz  | 16QAM | 23790 | 12RB#13 | 19.19 | PASS |
| Band17 | 5MHz  | 16QAM | 23790 | 25RB#0  | 19.10 | PASS |
| Band17 | 5MHz  | 16QAM | 23825 | 1RB#0   | 20.25 | PASS |
| Band17 | 5MHz  | 16QAM | 23825 | 1RB#12  | 20.60 | PASS |
| Band17 | 5MHz  | 16QAM | 23825 | 1RB#24  | 20.60 | PASS |
| Band17 | 5MHz  | 16QAM | 23825 | 12RB#0  | 19.43 | PASS |
| Band17 | 5MHz  | 16QAM | 23825 | 12RB#6  | 19.45 | PASS |
| Band17 | 5MHz  | 16QAM | 23825 | 12RB#13 | 19.58 | PASS |
| Band17 | 5MHz  | 16QAM | 23825 | 25RB#0  | 19.48 | PASS |
| Band17 | 10MHz | QPSK  | 23780 | 1RB#0   | 20.17 | PASS |
| Band17 | 10MHz | QPSK  | 23780 | 1RB#24  | 21.10 | PASS |
| Band17 | 10MHz | QPSK  | 23780 | 1RB#49  | 21.42 | PASS |
| Band17 | 10MHz | QPSK  | 23780 | 25RB#0  | 19.62 | PASS |
| Band17 | 10MHz | QPSK  | 23780 | 25RB#12 | 19.60 | PASS |
| Band17 | 10MHz | QPSK  | 23780 | 25RB#25 | 20.21 | PASS |
| Band17 | 10MHz | QPSK  | 23780 | 50RB#0  | 19.93 | PASS |
| Band17 | 10MHz | QPSK  | 23790 | 1RB#0   | 20.33 | PASS |
| Band17 | 10MHz | QPSK  | 23790 | 1RB#24  | 21.38 | PASS |
| Band17 | 10MHz | QPSK  | 23790 | 1RB#49  | 21.53 | PASS |
| Band17 | 10MHz | QPSK  | 23790 | 25RB#0  | 19.80 | PASS |
| Band17 | 10MHz | QPSK  | 23790 | 25RB#12 | 19.81 | PASS |
| Band17 | 10MHz | QPSK  | 23790 | 25RB#25 | 20.42 | PASS |
| Band17 | 10MHz | QPSK  | 23790 | 50RB#0  | 20.12 | PASS |
| Band17 | 10MHz | QPSK  | 23800 | 1RB#0   | 20.58 | PASS |
| Band17 | 10MHz | QPSK  | 23800 | 1RB#24  | 21.50 | PASS |
| Band17 | 10MHz | QPSK  | 23800 | 1RB#49  | 21.62 | PASS |
| Band17 | 10MHz | QPSK  | 23800 | 25RB#0  | 19.99 | PASS |
| Band17 | 10MHz | QPSK  | 23800 | 25RB#12 | 19.92 | PASS |
| Band17 | 10MHz | QPSK  | 23800 | 25RB#25 | 20.56 | PASS |
| Band17 | 10MHz | QPSK  | 23800 | 50RB#0  | 20.21 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 1RB#0   | 19.16 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 1RB#24  | 20.06 | PASS |

|        |       |       |       |         |       |      |
|--------|-------|-------|-------|---------|-------|------|
| Band17 | 10MHz | 16QAM | 23780 | 1RB#49  | 20.37 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 25RB#0  | 18.64 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 25RB#12 | 18.62 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 25RB#25 | 19.26 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 50RB#0  | 18.98 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 1RB#0   | 19.36 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 1RB#24  | 20.27 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 1RB#49  | 20.53 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 25RB#0  | 18.82 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 25RB#12 | 18.82 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 25RB#25 | 19.46 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 50RB#0  | 19.12 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 1RB#0   | 19.39 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 1RB#24  | 20.23 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 1RB#49  | 20.48 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 25RB#0  | 19.04 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 25RB#12 | 19.06 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 25RB#25 | 19.59 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 50RB#0  | 19.30 | PASS |

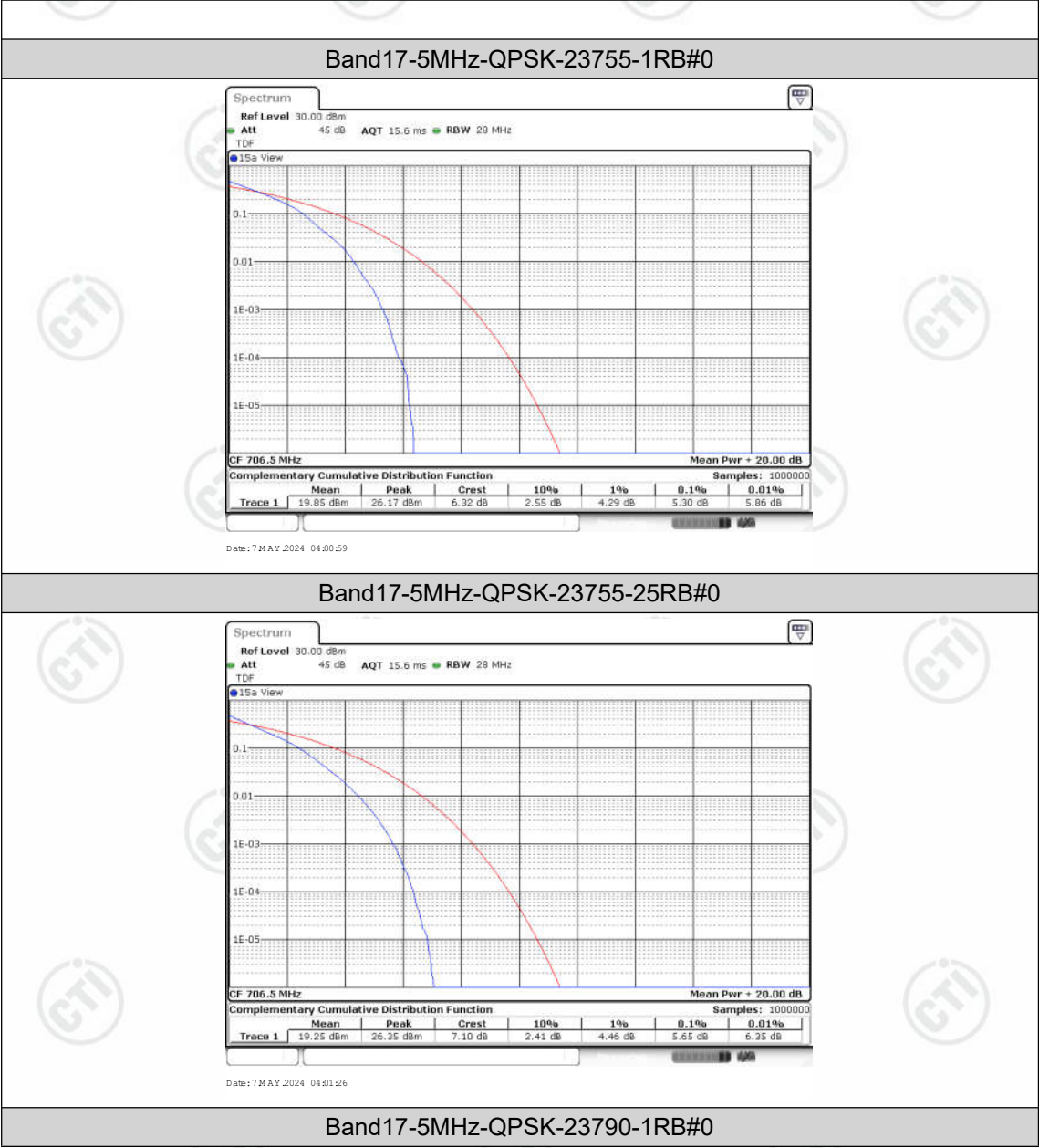


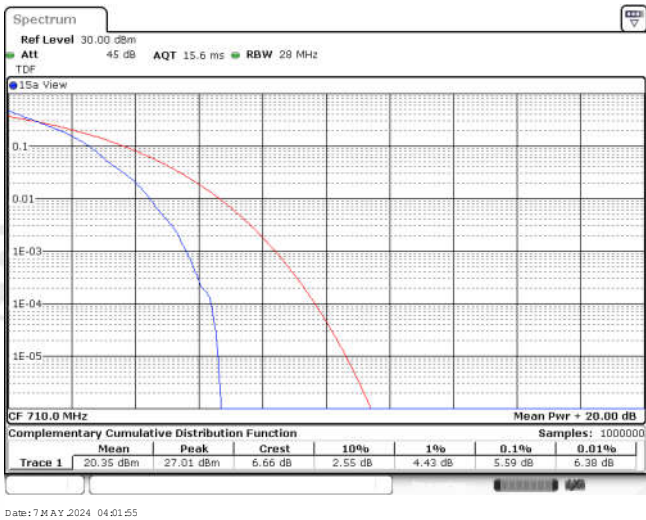
## Appendix B: Peak-to-Average Ratio(CCDF)

### Test Result

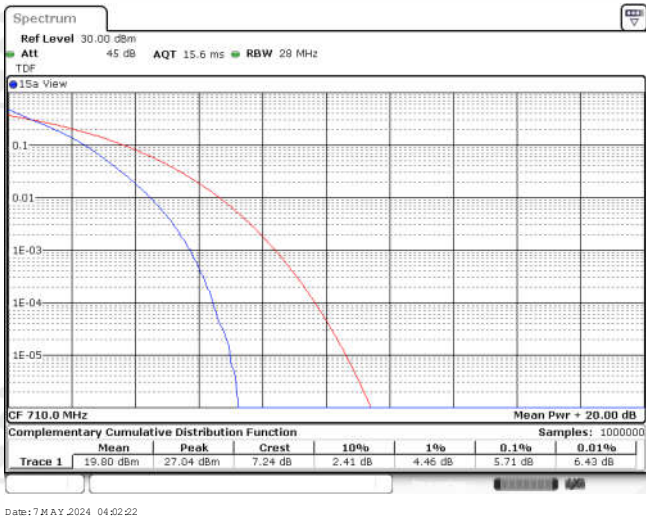
| Band   | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|--------|-----------|------------|---------|------------------|------------|-----------|---------|
| Band17 | 5MHz      | QPSK       | 23755   | 1RB#0            | 5.30       | 13        | PASS    |
| Band17 | 5MHz      | QPSK       | 23755   | 25RB#0           | 5.65       | 13        | PASS    |
| Band17 | 5MHz      | QPSK       | 23790   | 1RB#0            | 5.59       | 13        | PASS    |
| Band17 | 5MHz      | QPSK       | 23790   | 25RB#0           | 5.71       | 13        | PASS    |
| Band17 | 5MHz      | QPSK       | 23825   | 1RB#0            | 5.62       | 13        | PASS    |
| Band17 | 5MHz      | QPSK       | 23825   | 25RB#0           | 5.62       | 13        | PASS    |
| Band17 | 5MHz      | 16QAM      | 23755   | 1RB#0            | 5.91       | 13        | PASS    |
| Band17 | 5MHz      | 16QAM      | 23755   | 25RB#0           | 6.32       | 13        | PASS    |
| Band17 | 5MHz      | 16QAM      | 23790   | 1RB#0            | 6.03       | 13        | PASS    |
| Band17 | 5MHz      | 16QAM      | 23790   | 25RB#0           | 6.38       | 13        | PASS    |
| Band17 | 5MHz      | 16QAM      | 23825   | 1RB#0            | 6.17       | 13        | PASS    |
| Band17 | 5MHz      | 16QAM      | 23825   | 25RB#0           | 6.32       | 13        | PASS    |
| Band17 | 10MHz     | QPSK       | 23780   | 1RB#0            | 5.22       | 13        | PASS    |
| Band17 | 10MHz     | QPSK       | 23780   | 50RB#0           | 5.68       | 13        | PASS    |
| Band17 | 10MHz     | QPSK       | 23790   | 1RB#0            | 5.36       | 13        | PASS    |
| Band17 | 10MHz     | QPSK       | 23790   | 50RB#0           | 5.68       | 13        | PASS    |
| Band17 | 10MHz     | QPSK       | 23800   | 1RB#0            | 5.30       | 13        | PASS    |
| Band17 | 10MHz     | QPSK       | 23800   | 50RB#0           | 5.62       | 13        | PASS    |
| Band17 | 10MHz     | 16QAM      | 23780   | 1RB#0            | 6.20       | 13        | PASS    |
| Band17 | 10MHz     | 16QAM      | 23780   | 50RB#0           | 6.41       | 13        | PASS    |
| Band17 | 10MHz     | 16QAM      | 23790   | 1RB#0            | 6.12       | 13        | PASS    |
| Band17 | 10MHz     | 16QAM      | 23790   | 50RB#0           | 6.41       | 13        | PASS    |
| Band17 | 10MHz     | 16QAM      | 23800   | 1RB#0            | 5.97       | 13        | PASS    |
| Band17 | 10MHz     | 16QAM      | 23800   | 50RB#0           | 6.41       | 13        | PASS    |

Test Graphs

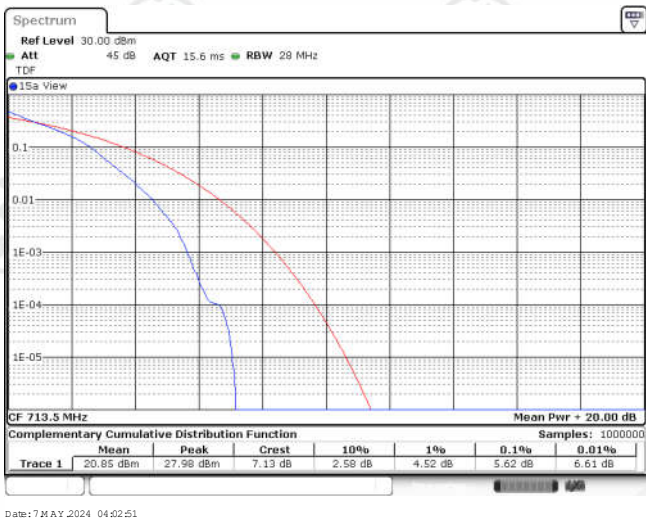




Band17-5MHz-QPSK-23790-25RB#0

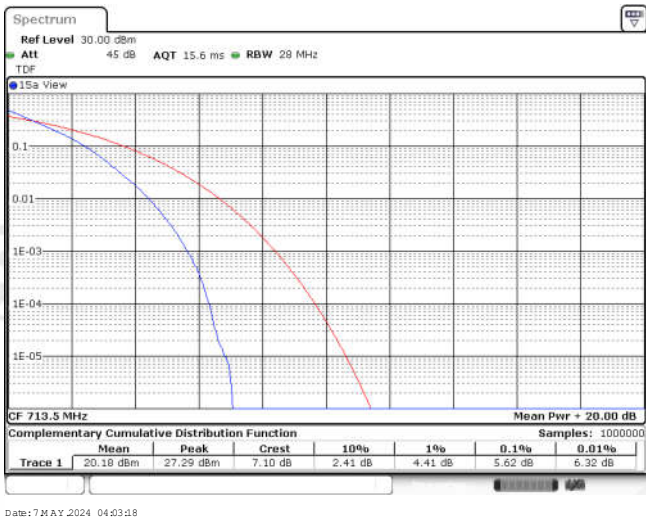


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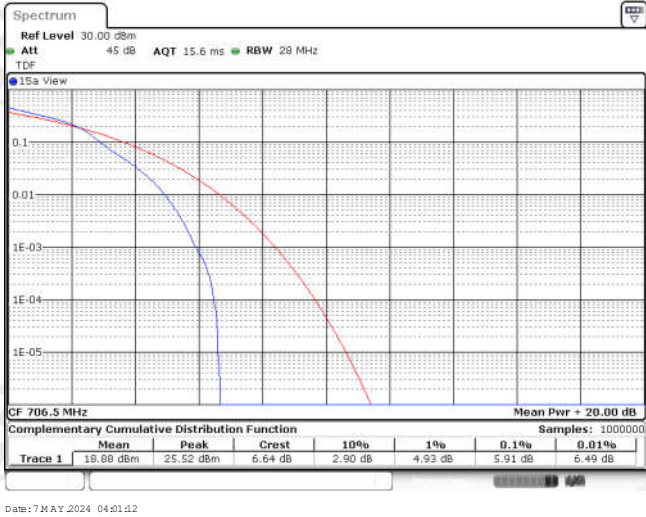


Band17-5MHz-QPSK-23825-25RB#0

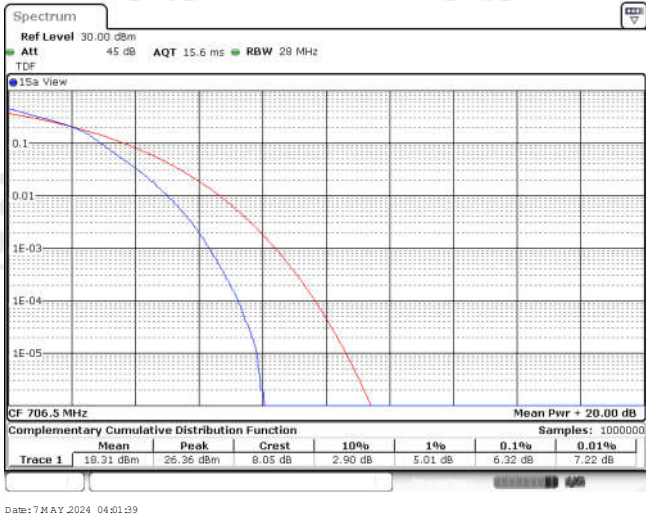




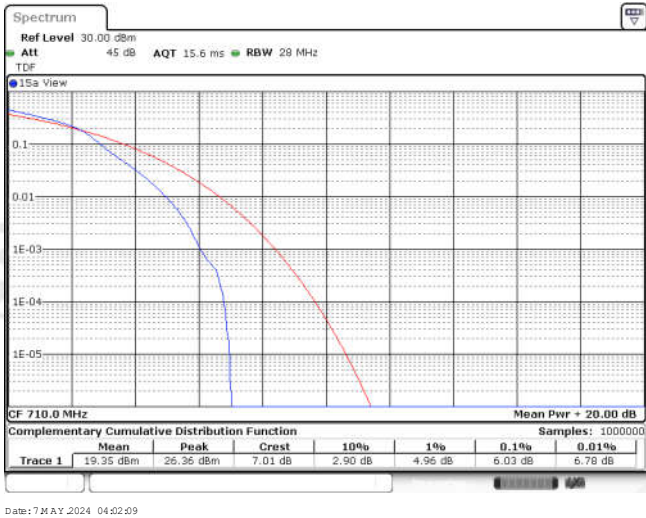
Band17-5MHz-16QAM-23755-1RB#0



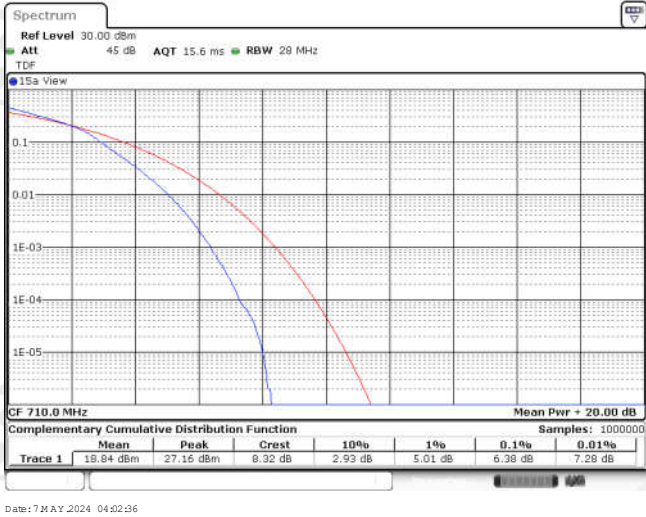
Band17-5MHz-16QAM-23755-25RB#0



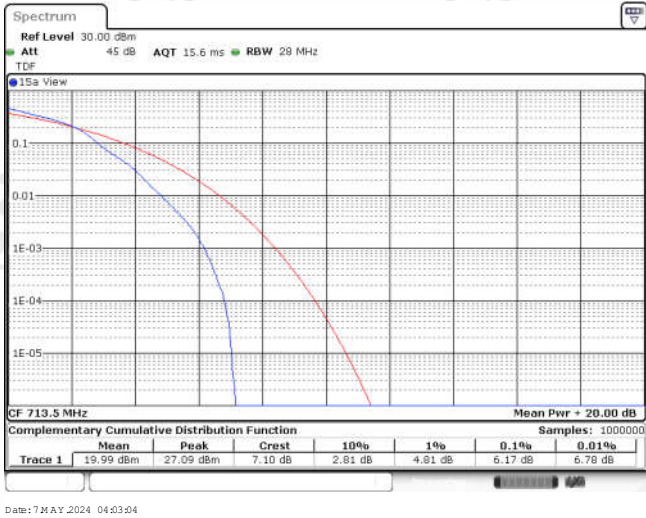
Band17-5MHz-16QAM-23790-1RB#0



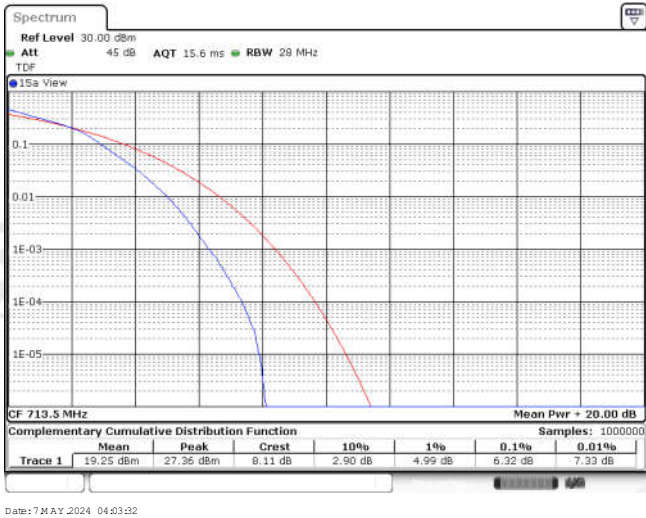
Band17-5MHz-16QAM-23790-25RB#0



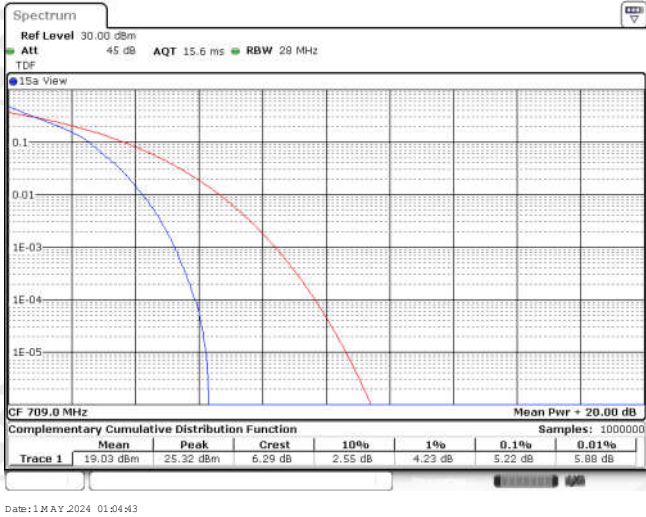
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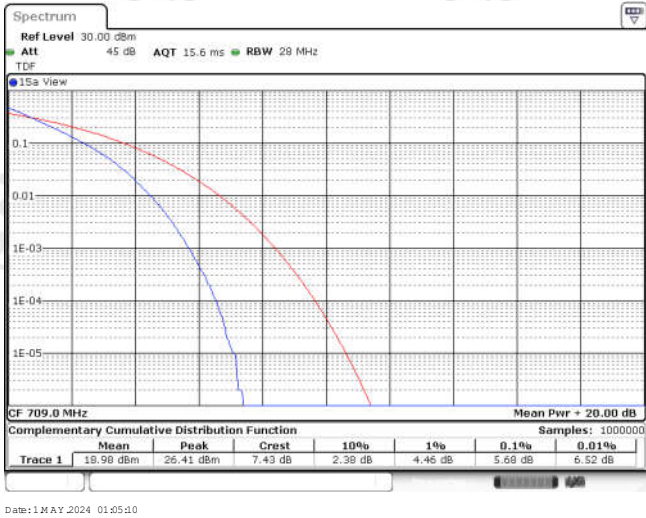
Band17-5MHz-16QAM-23825-25RB#0



Band17-10MHz-QPSK-23780-1RB#0

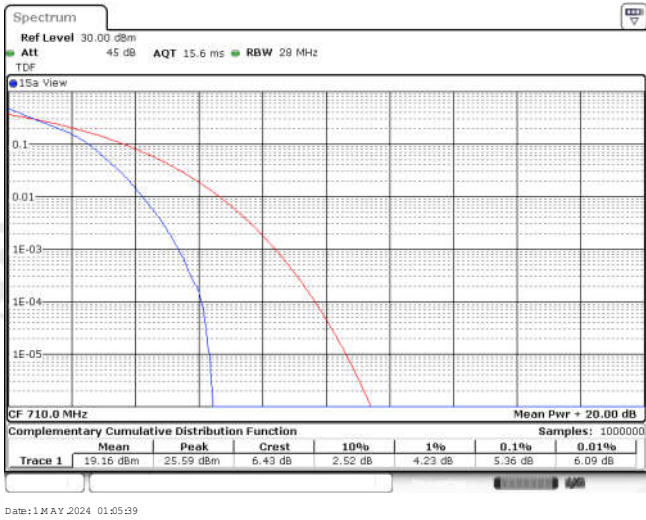


Band17-10MHz-QPSK-23780-50RB#0

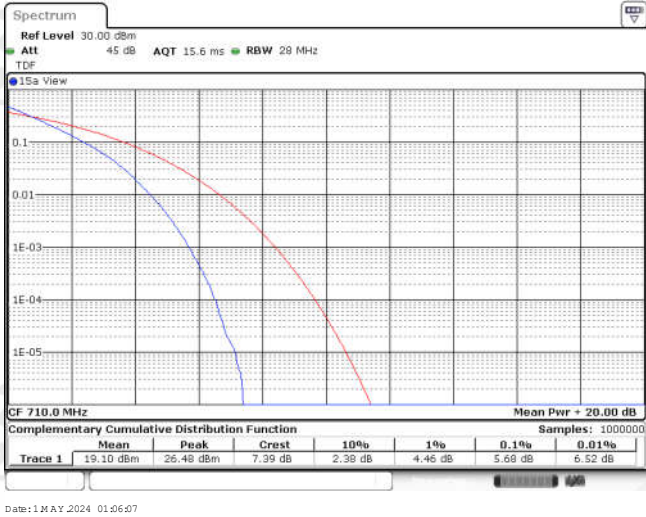


Band17-10MHz-QPSK-23790-1RB#0

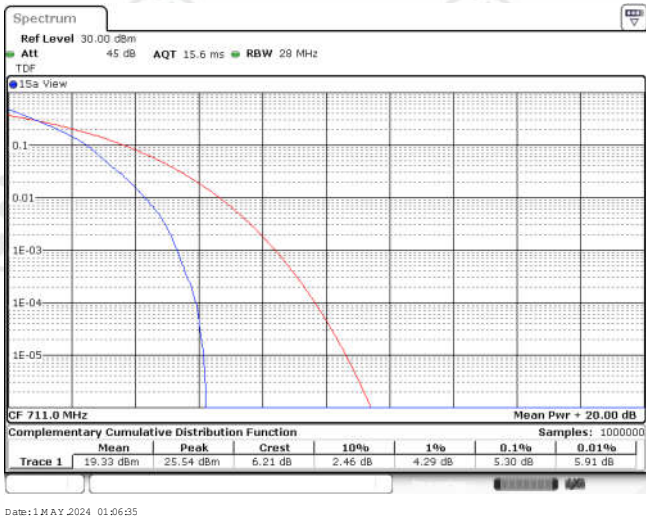




Band17-10MHz-QPSK-23790-50RB#0

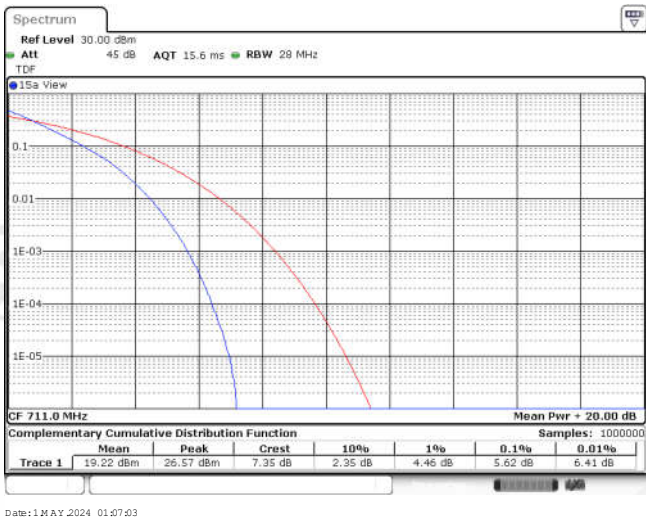


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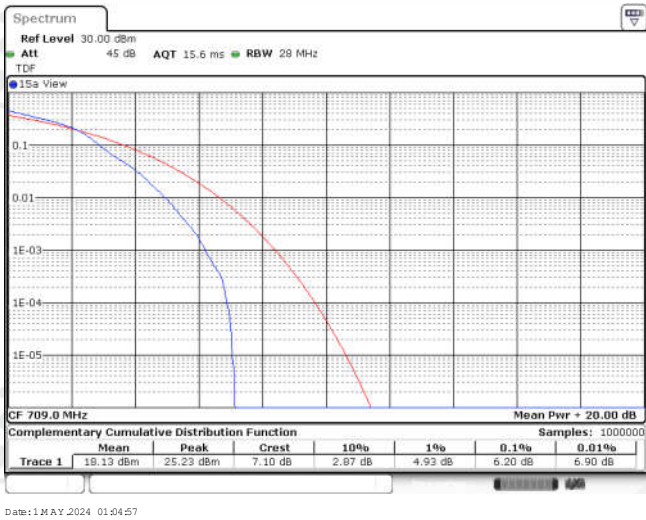


Band17-10MHz-QPSK-23800-50RB#0

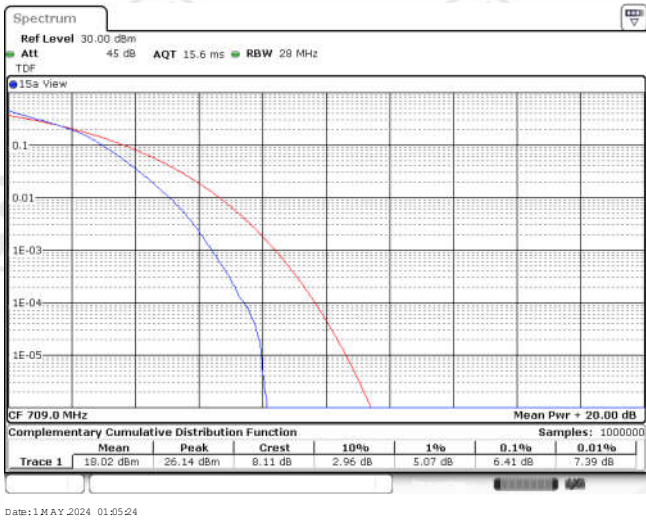




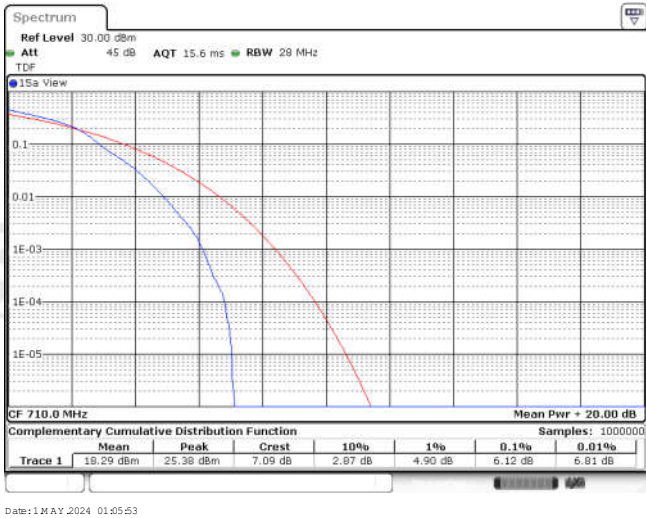
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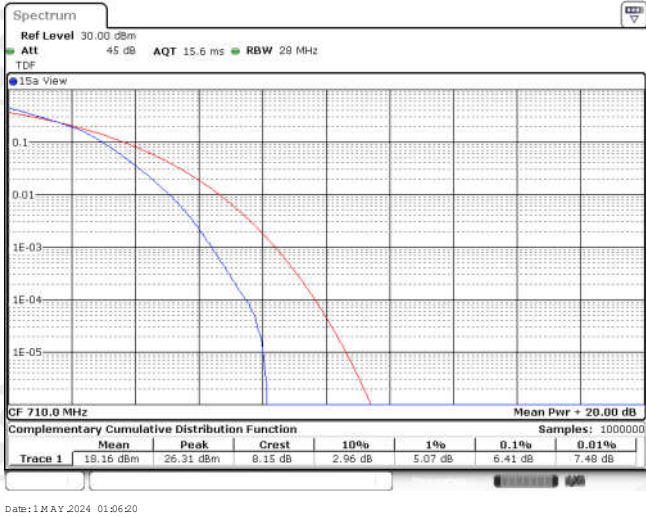
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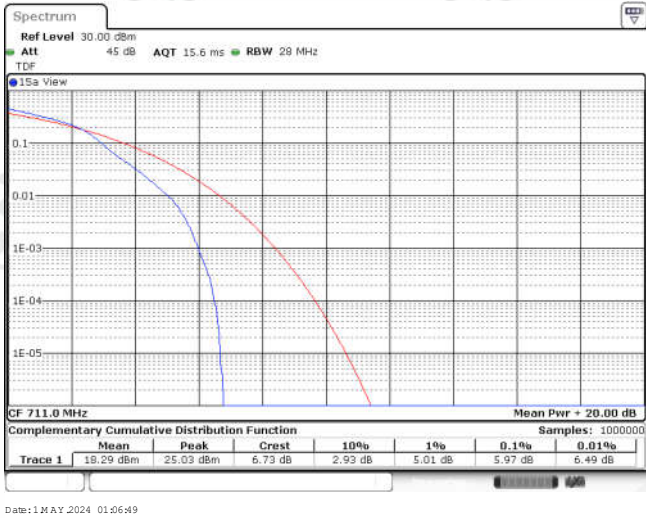
Band17-10MHz-16QAM-23790-1RB#0



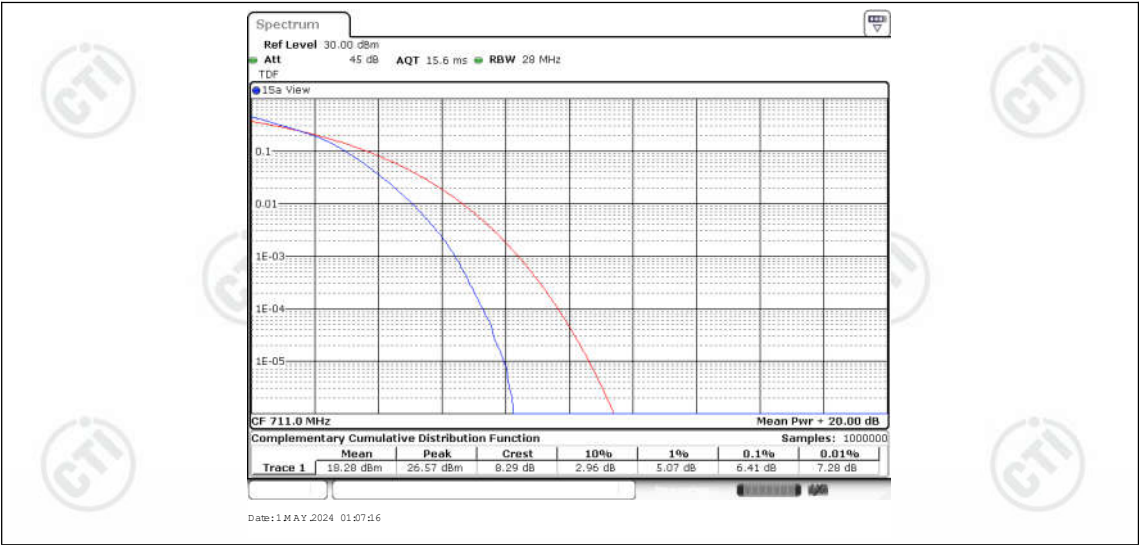
Band17-10MHz-16QAM-23790-50RB#0



Band17-10MHz-16QAM-23800-1RB#0



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



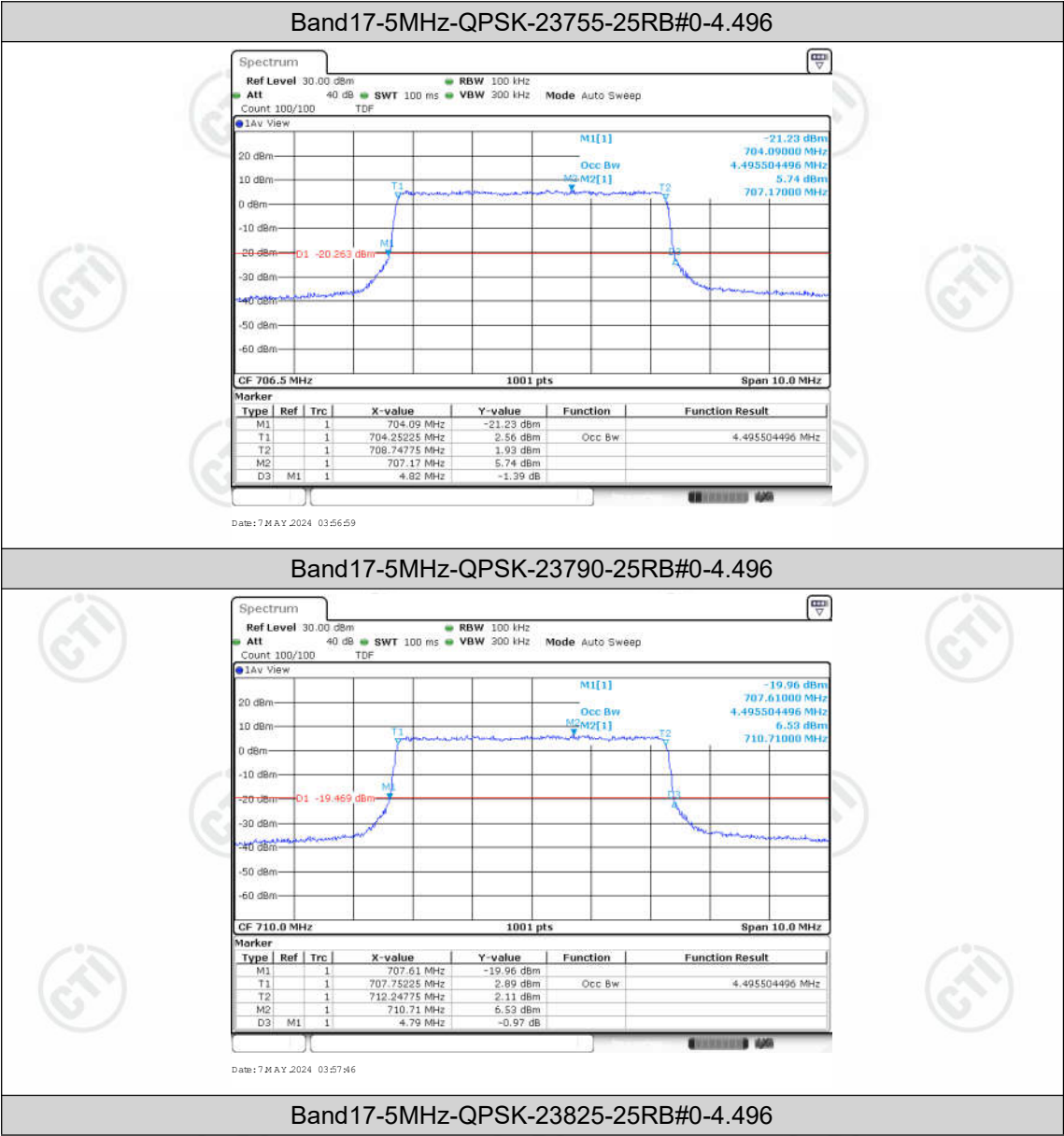
Appendix C: 26dB Bandwidth and Occupied Bandwidth

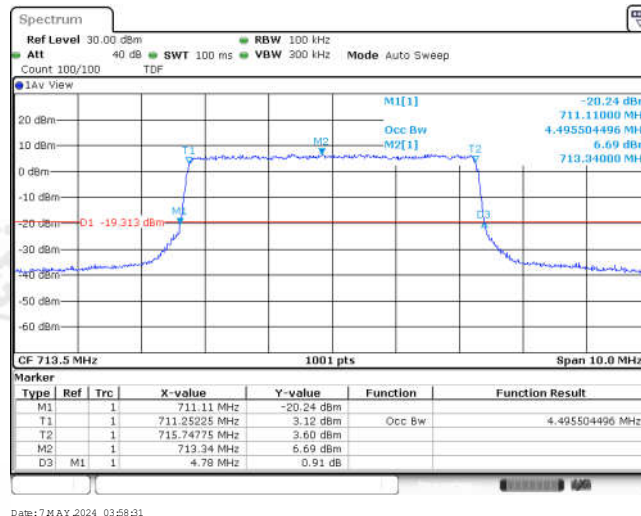
Test Result

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|--------|-----------|------------|---------|------------------|--------------------------|----------------------|---------|
| Band17 | 5MHz      | QPSK       | 23755   | 25RB#0           | 4.496                    | 4.820                | PASS    |
| Band17 | 5MHz      | QPSK       | 23790   | 25RB#0           | 4.496                    | 4.790                | PASS    |
| Band17 | 5MHz      | QPSK       | 23825   | 25RB#0           | 4.496                    | 4.780                | PASS    |
| Band17 | 5MHz      | 16QAM      | 23755   | 25RB#0           | 4.515                    | 4.780                | PASS    |
| Band17 | 5MHz      | 16QAM      | 23790   | 25RB#0           | 4.505                    | 4.780                | PASS    |
| Band17 | 5MHz      | 16QAM      | 23825   | 25RB#0           | 4.496                    | 4.790                | PASS    |
| Band17 | 10MHz     | QPSK       | 23780   | 50RB#0           | 8.985                    | 9.533                | PASS    |
| Band17 | 10MHz     | QPSK       | 23790   | 50RB#0           | 8.985                    | 9.533                | PASS    |
| Band17 | 10MHz     | QPSK       | 23800   | 50RB#0           | 8.985                    | 9.533                | PASS    |
| Band17 | 10MHz     | 16QAM      | 23780   | 50RB#0           | 8.985                    | 9.533                | PASS    |
| Band17 | 10MHz     | 16QAM      | 23790   | 50RB#0           | 8.985                    | 9.533                | PASS    |
| Band17 | 10MHz     | 16QAM      | 23800   | 50RB#0           | 8.985                    | 9.533                | PASS    |

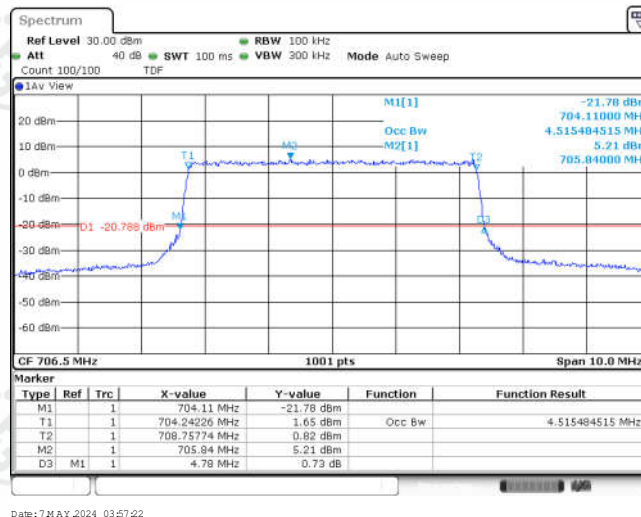


Test Graphs

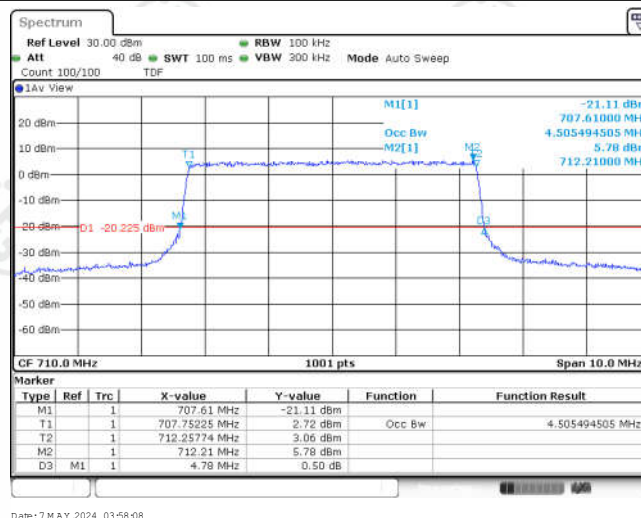




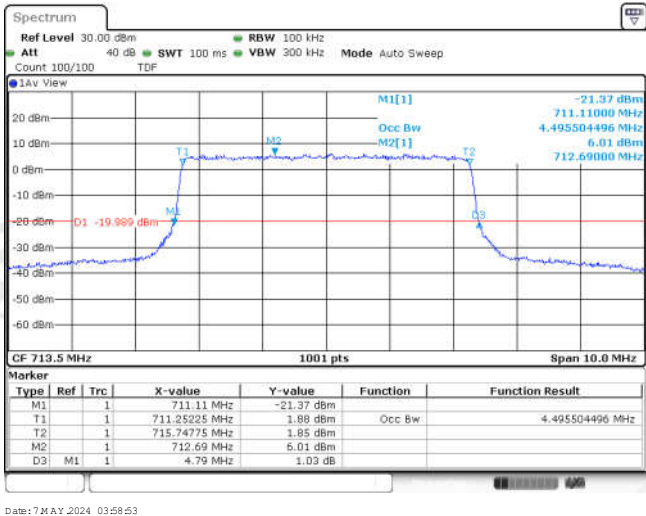
## Band17-5MHz-16QAM-23755-25RB#0-4.515



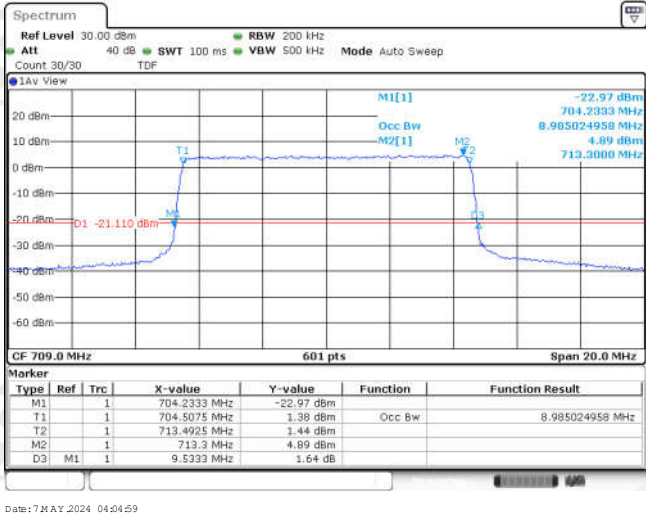
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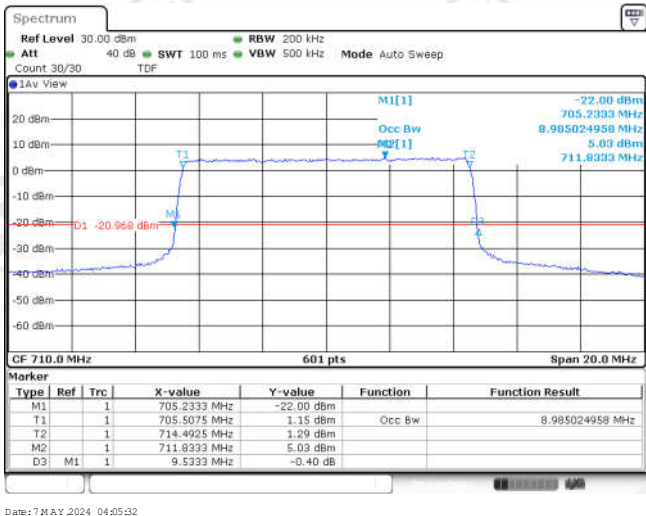
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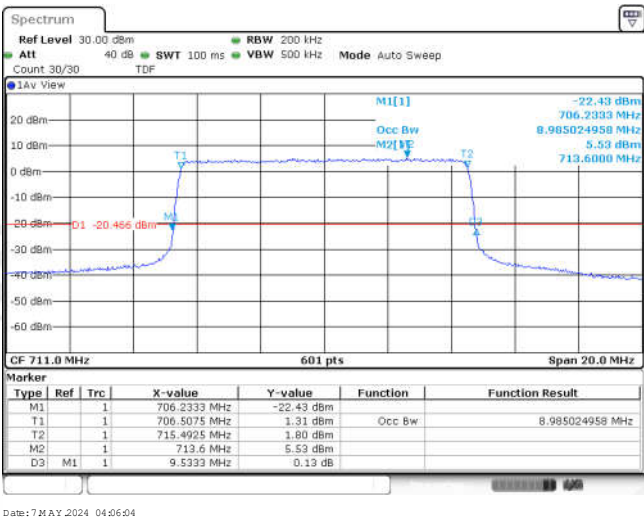
Band17-10MHz-QPSK-23780-50RB#0-8.985



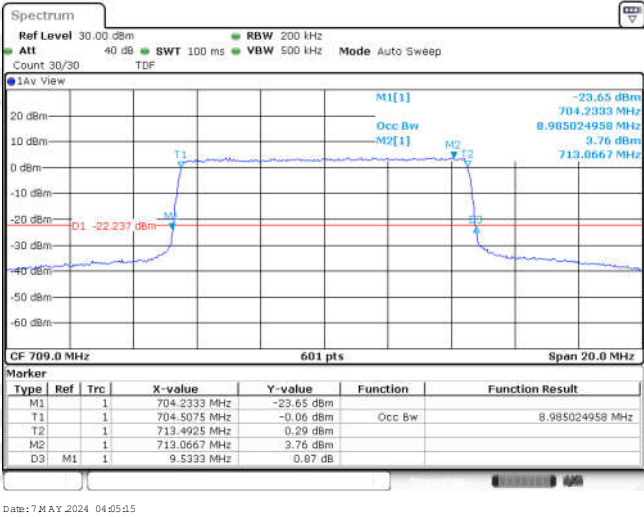
Band17-10MHz-QPSK-23790-50RB#0-8.985



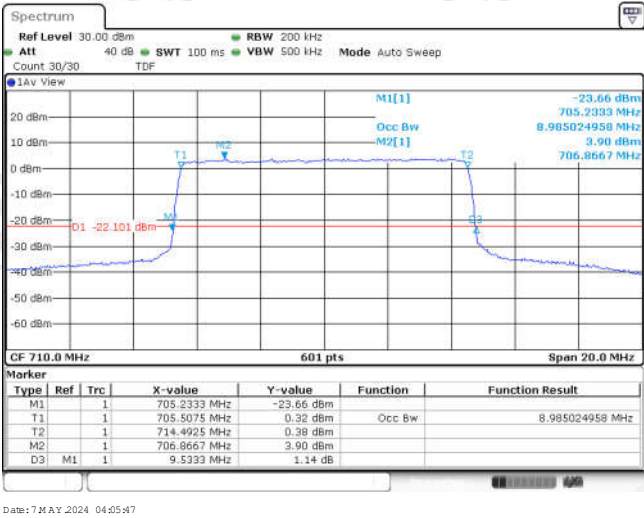
Band17-10MHz-QPSK-23800-50RB#0-8.985



Band17-10MHz-16QAM-23780-50RB#0-8.985

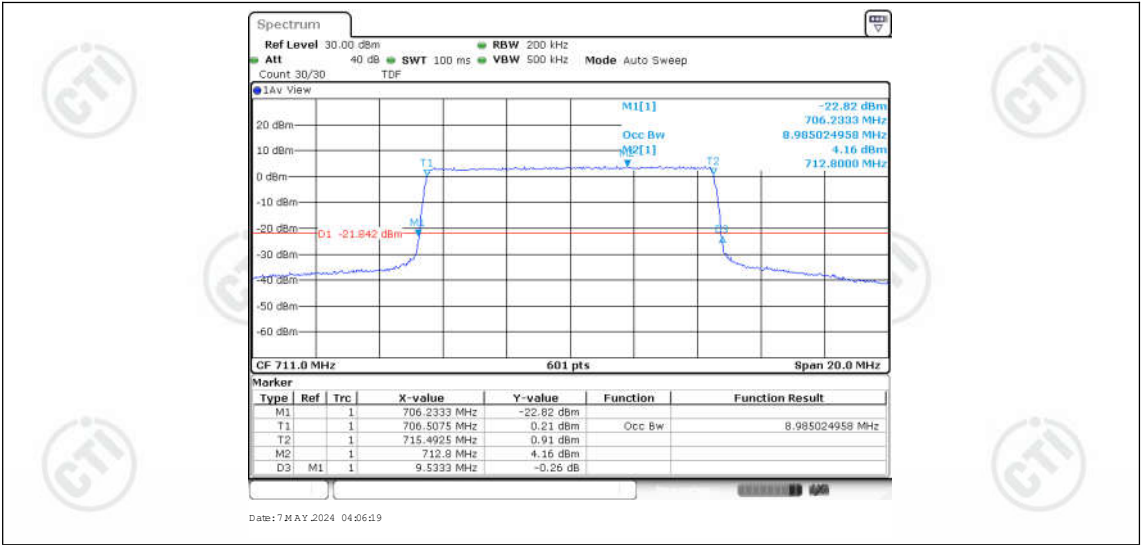


Band17-10MHz-16QAM-23790-50RB#0-8.985



Band17-10MHz-16QAM-23800-50RB#0-8.985

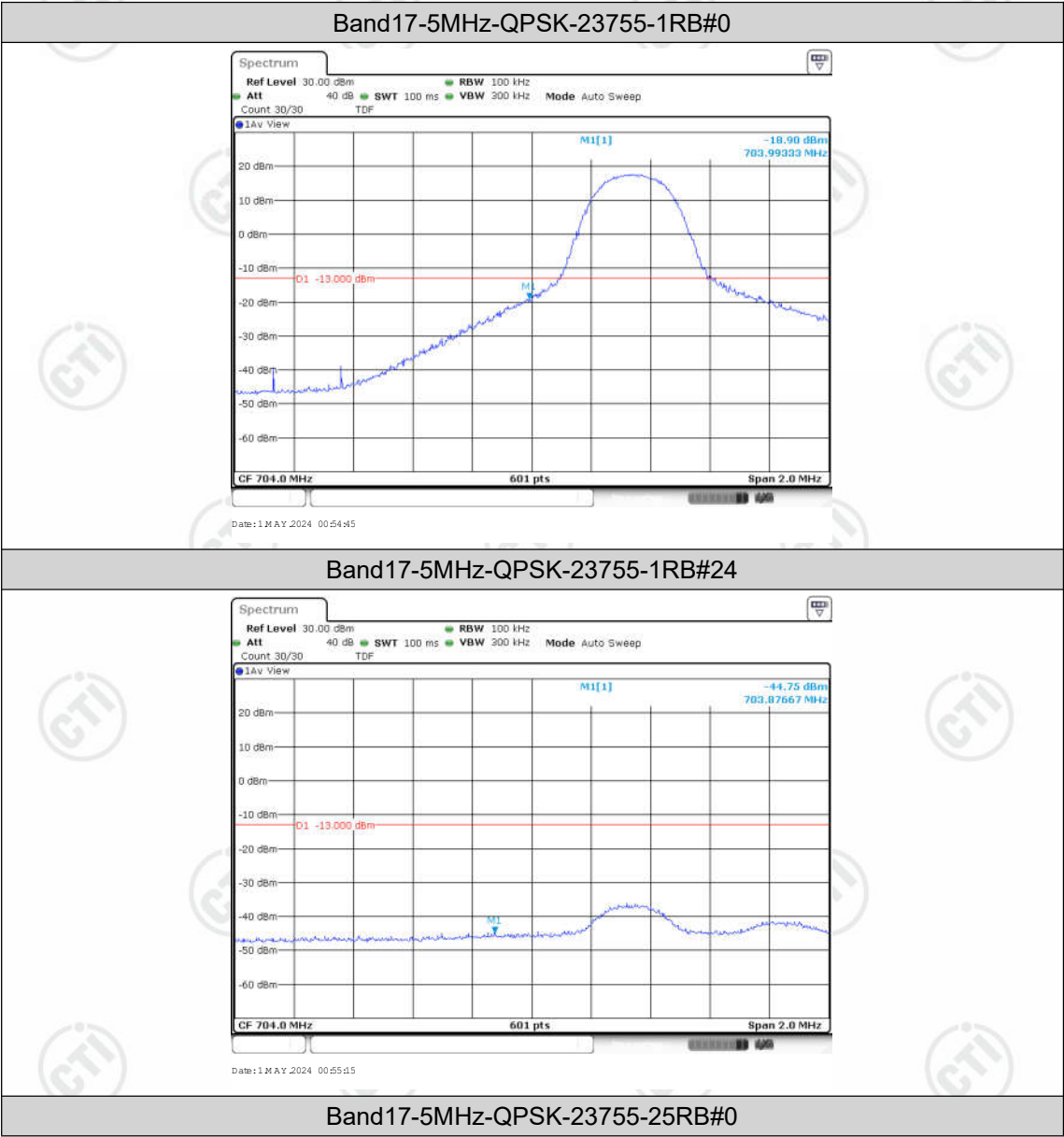


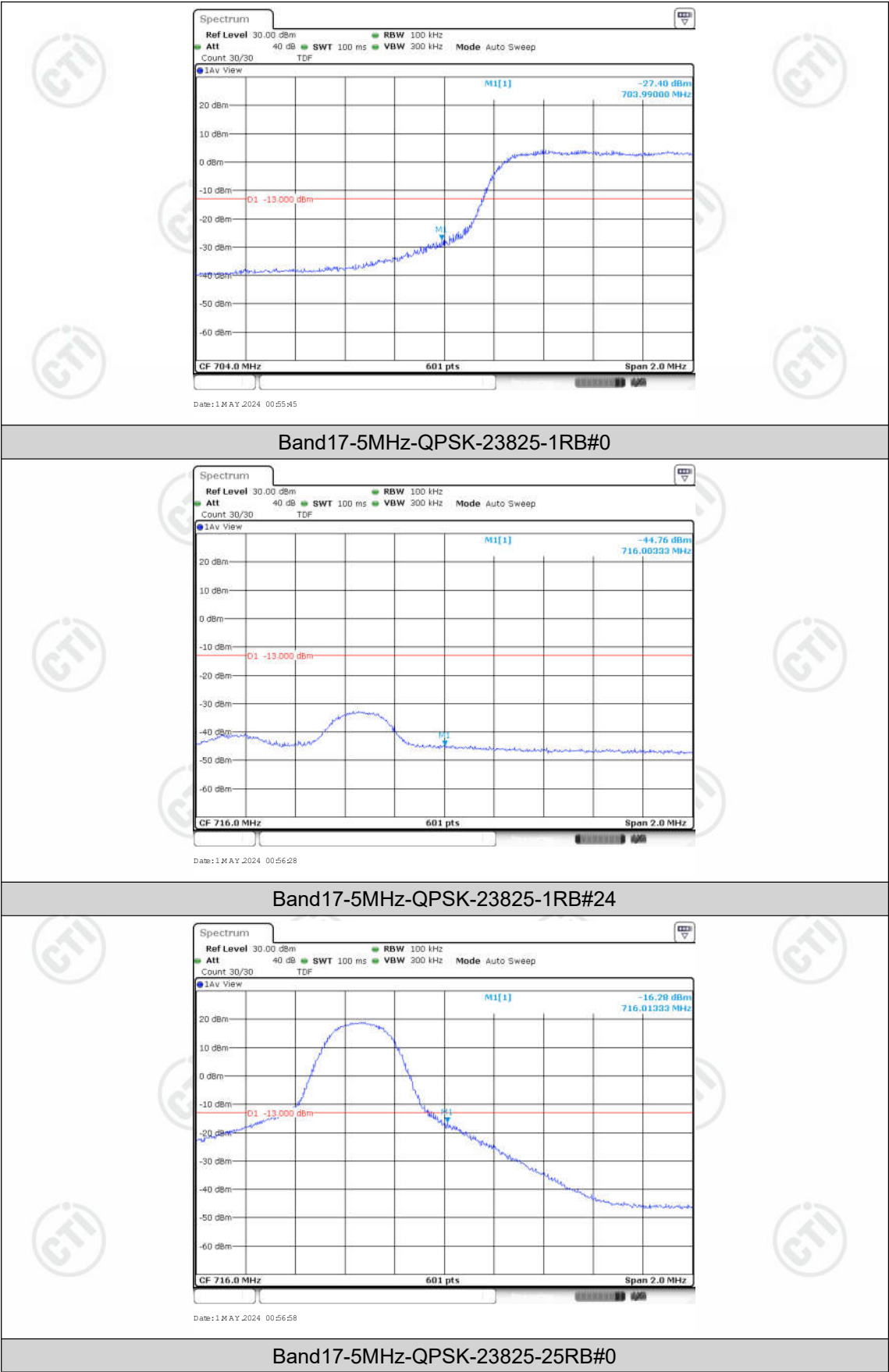


**Appendix D: Band Edge****Test Result**

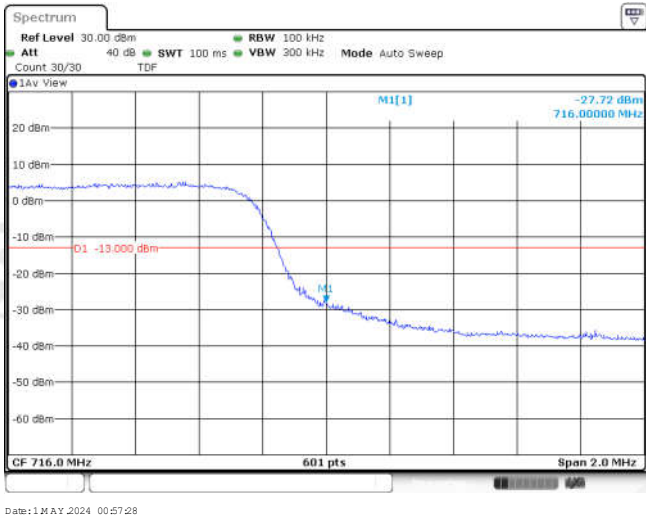
| Band   | Bandwidth | Modulation | Channel | RB Configuration | Result(dBm)   | Verdict |
|--------|-----------|------------|---------|------------------|---------------|---------|
| Band17 | 5MHz      | QPSK       | 23755   | 1RB#0            | -18.90        | PASS    |
| Band17 | 5MHz      | QPSK       | 23755   | 1RB#24           | -44.75        | PASS    |
| Band17 | 5MHz      | QPSK       | 23755   | 25RB#0           | -27.40        | PASS    |
| Band17 | 5MHz      | QPSK       | 23825   | 1RB#0            | -44.76        | PASS    |
| Band17 | 5MHz      | QPSK       | 23825   | 1RB#24           | -16.28        | PASS    |
| Band17 | 5MHz      | QPSK       | 23825   | 25RB#0           | -27.72        | PASS    |
| Band17 | 5MHz      | 16QAM      | 23755   | 1RB#0            | -18.08        | PASS    |
| Band17 | 5MHz      | 16QAM      | 23755   | 1RB#24           | -44.69        | PASS    |
| Band17 | 5MHz      | 16QAM      | 23755   | 25RB#0           | -28.27        | PASS    |
| Band17 | 5MHz      | 16QAM      | 23825   | 1RB#0            | -44.66        | PASS    |
| Band17 | 5MHz      | 16QAM      | 23825   | 1RB#24           | -17.05        | PASS    |
| Band17 | 5MHz      | 16QAM      | 23825   | 25RB#0           | -28.34        | PASS    |
| Band17 | 10MHz     | QPSK       | 23780   | 1RB#0            | -26.93,-23.98 | PASS    |
| Band17 | 10MHz     | QPSK       | 23780   | 1RB#49           | -43.61,-43.34 | PASS    |
| Band17 | 10MHz     | QPSK       | 23780   | 50RB#0           | -33.65,-32.10 | PASS    |
| Band17 | 10MHz     | QPSK       | 23800   | 1RB#0            | -43.52,-43.48 | PASS    |
| Band17 | 10MHz     | QPSK       | 23800   | 1RB#49           | -22.48,-25.30 | PASS    |
| Band17 | 10MHz     | QPSK       | 23800   | 50RB#0           | -32.24,-33.21 | PASS    |
| Band17 | 10MHz     | 16QAM      | 23780   | 1RB#0            | -26.26,-23.79 | PASS    |
| Band17 | 10MHz     | 16QAM      | 23780   | 1RB#49           | -43.19,-43.54 | PASS    |
| Band17 | 10MHz     | 16QAM      | 23780   | 50RB#0           | -33.87,-33.35 | PASS    |
| Band17 | 10MHz     | 16QAM      | 23800   | 1RB#0            | -43.81,-43.72 | PASS    |
| Band17 | 10MHz     | 16QAM      | 23800   | 1RB#49           | -21.77,-24.41 | PASS    |
| Band17 | 10MHz     | 16QAM      | 23800   | 50RB#0           | -31.90,-32.74 | PASS    |

Test Graphs

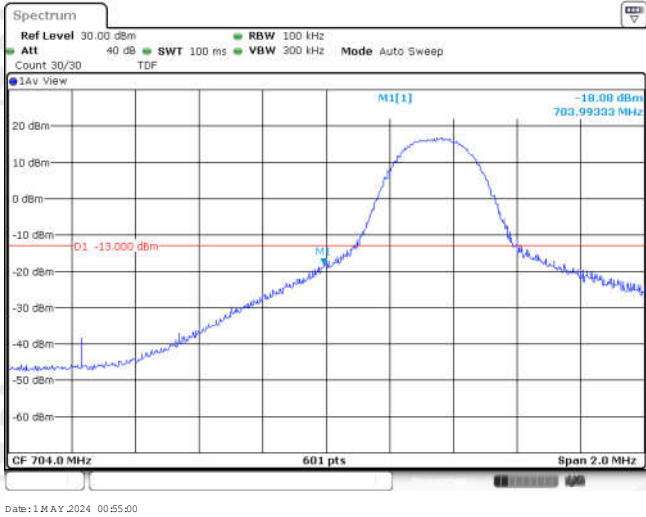




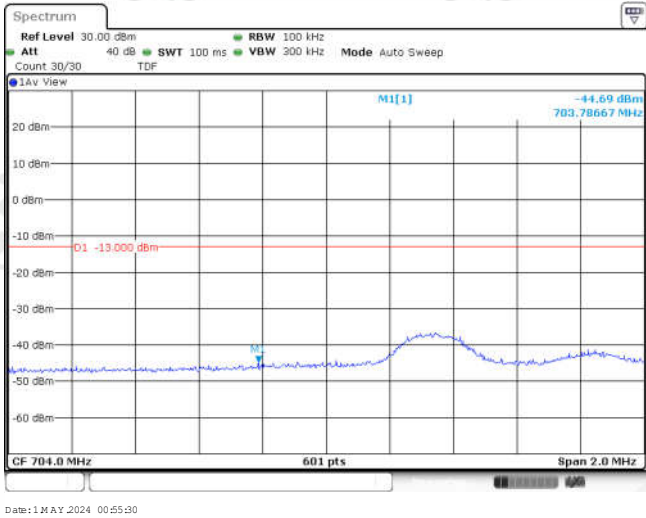




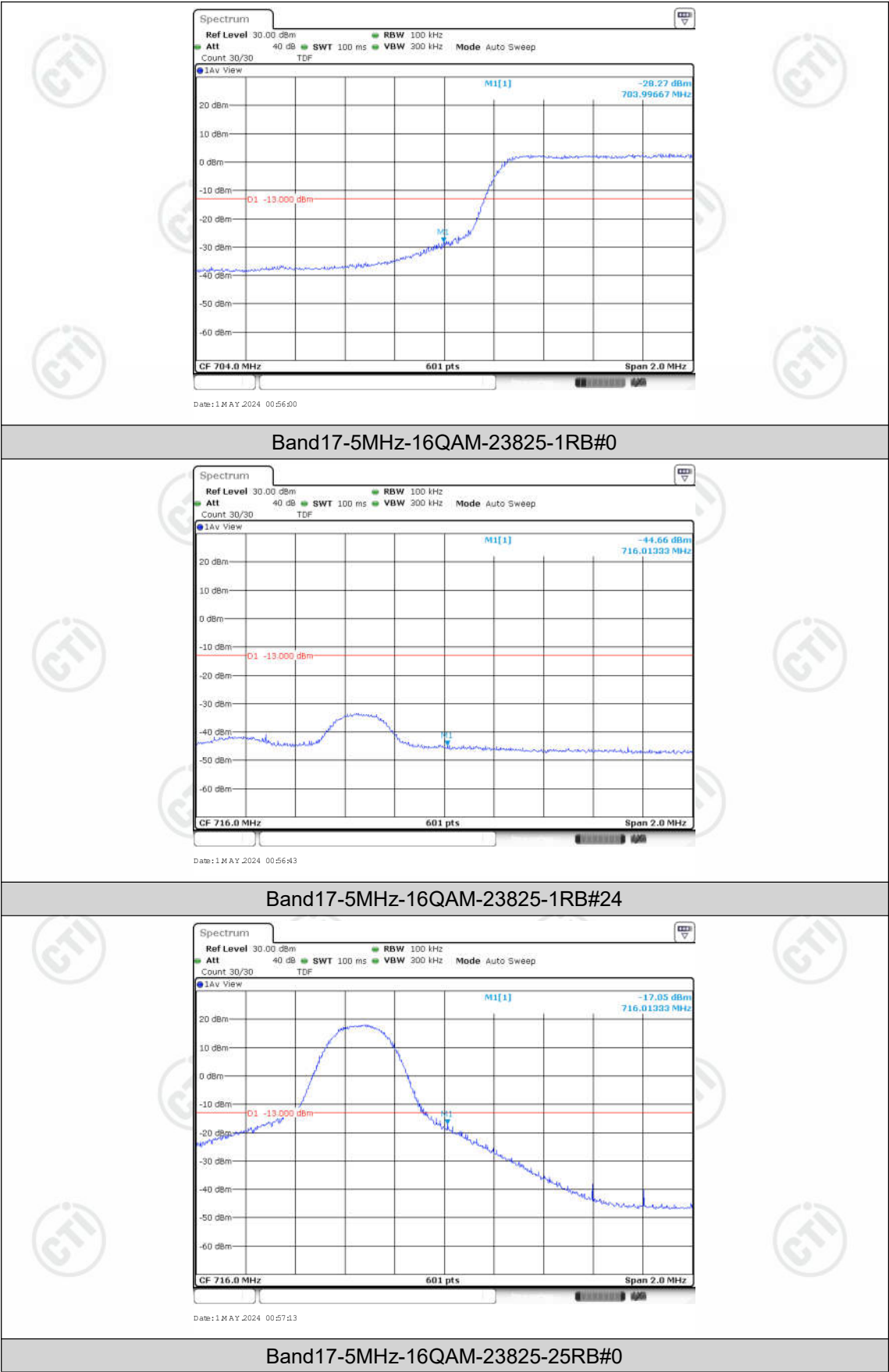
Band17-5MHz-16QAM-23755-1RB#0

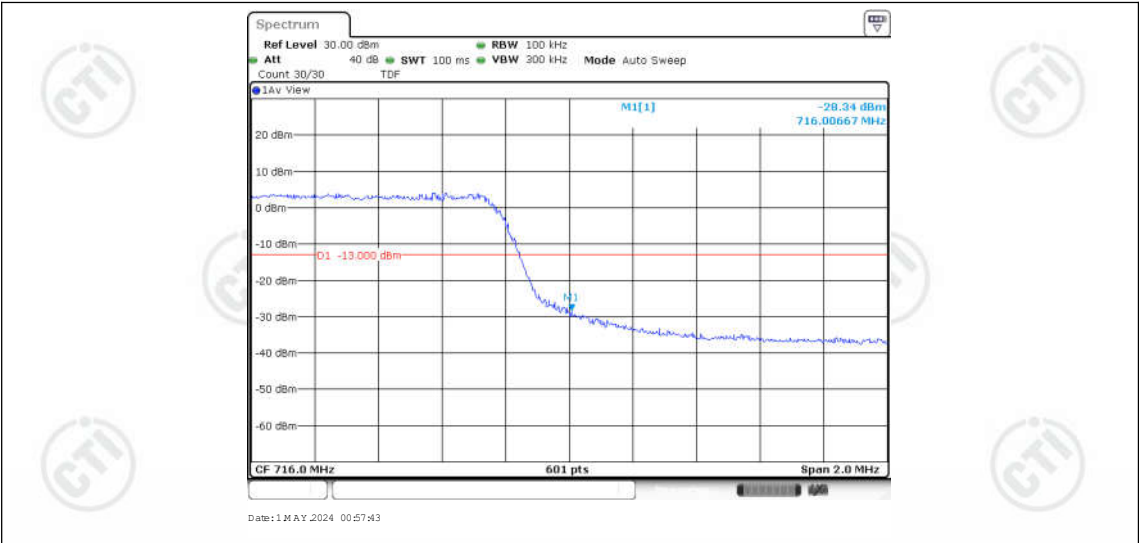


Band17-5MHz-16QAM-23755-1RB#24

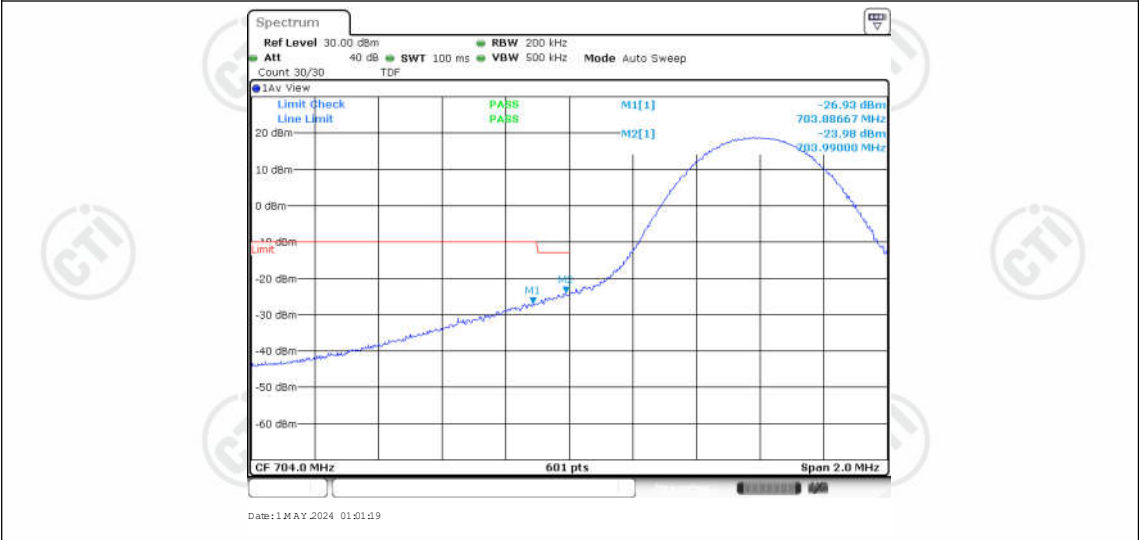


Band17-5MHz-16QAM-23755-25RB#0

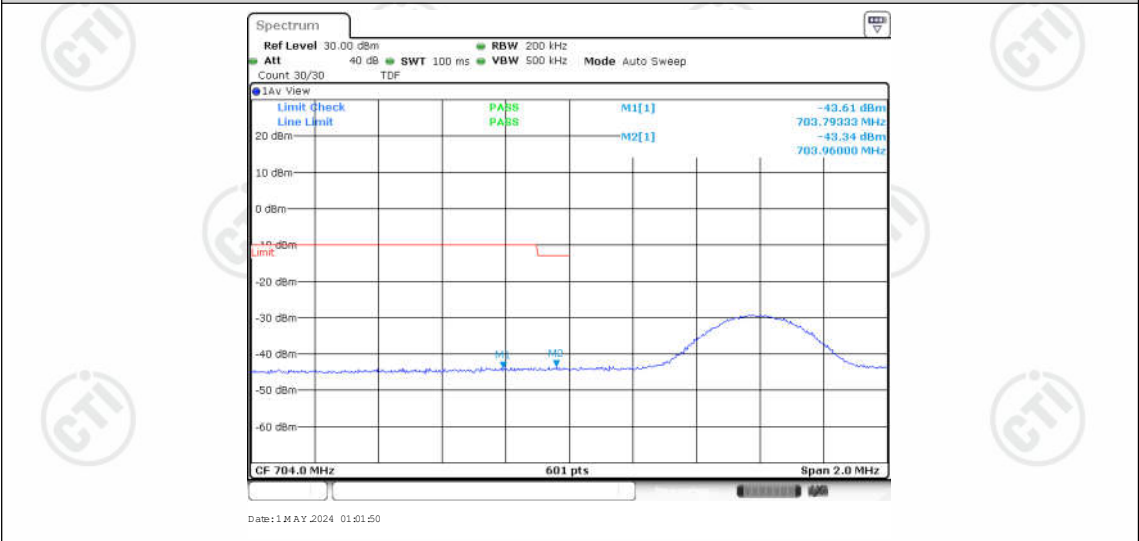




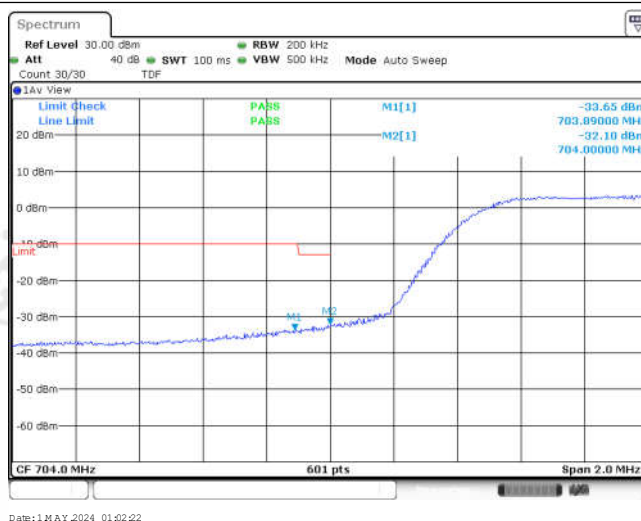
Band17-10MHz-QPSK-23780-1RB#0



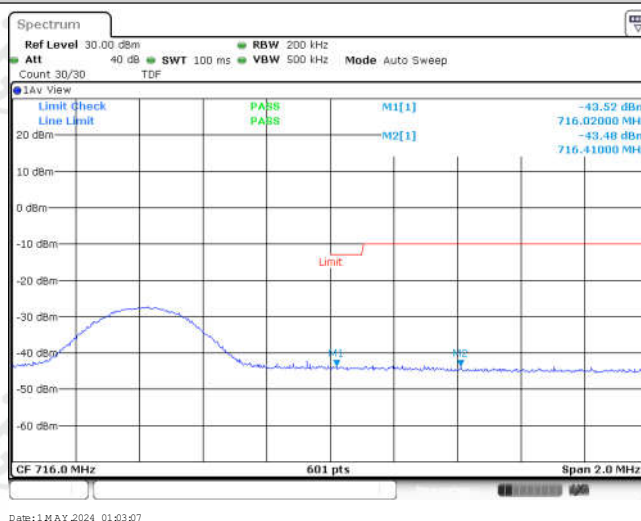
Band17-10MHz-QPSK-23780-1RB#49



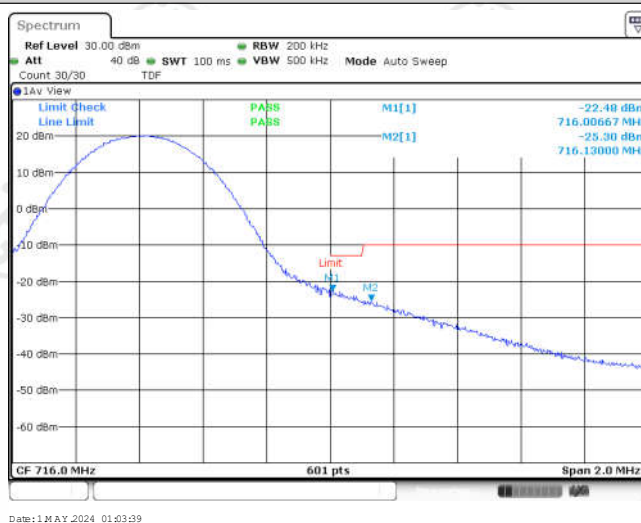
Band17-10MHz-QPSK-23780-50RB#0



Band17-10MHz-QPSK-23800-1RB#0

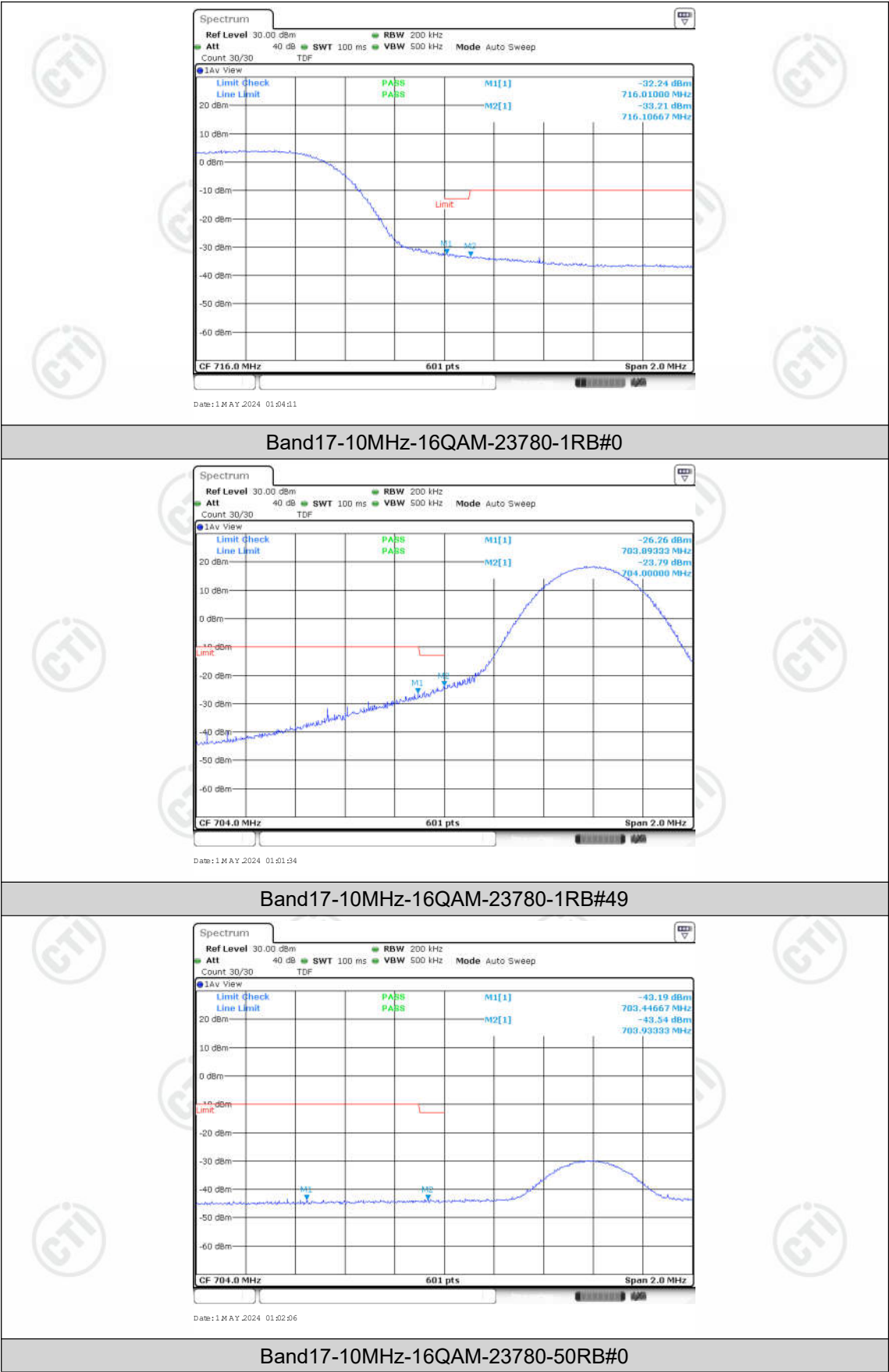


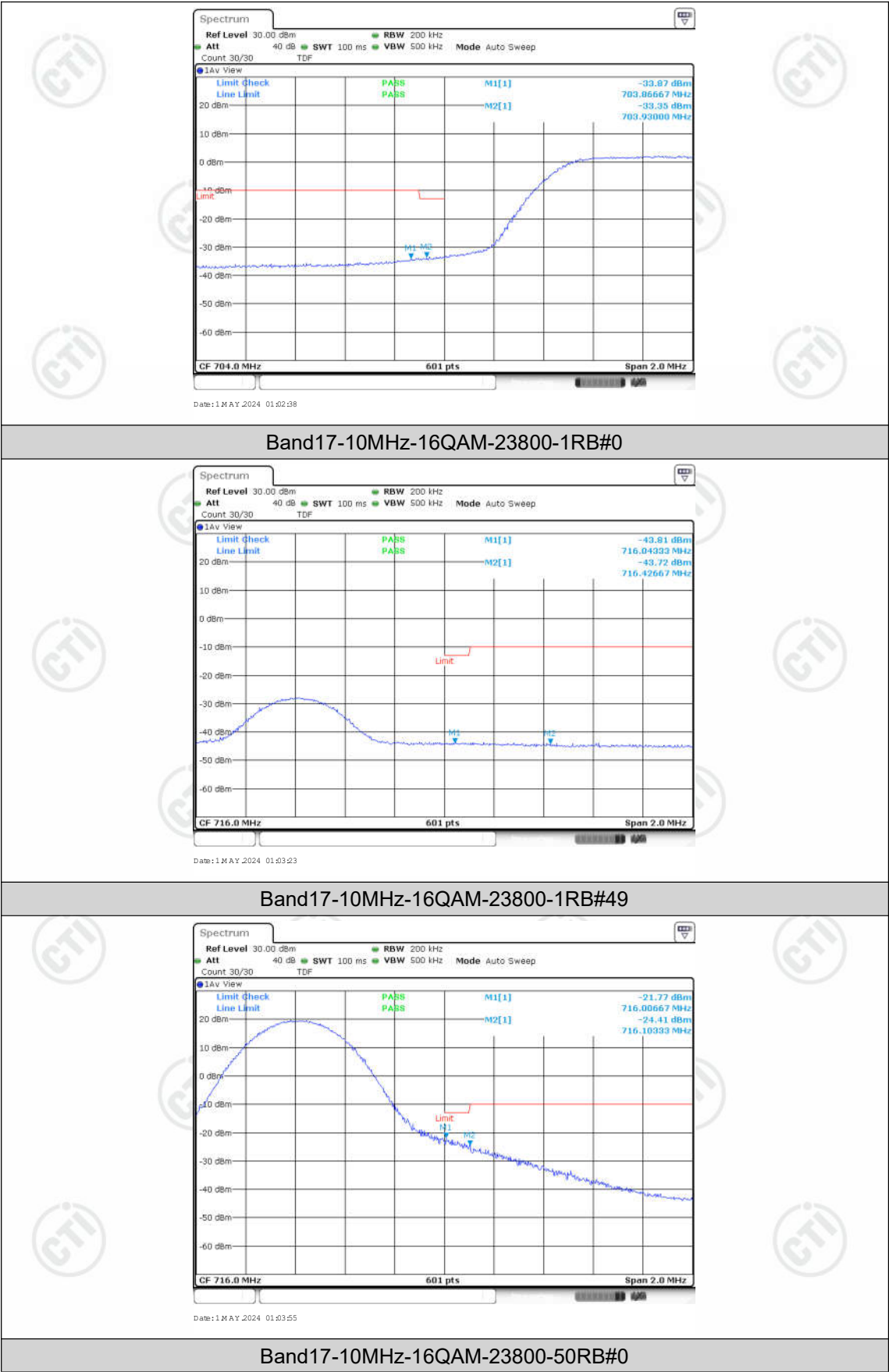
Band17-10MHz-QPSK-23800-1RB#49

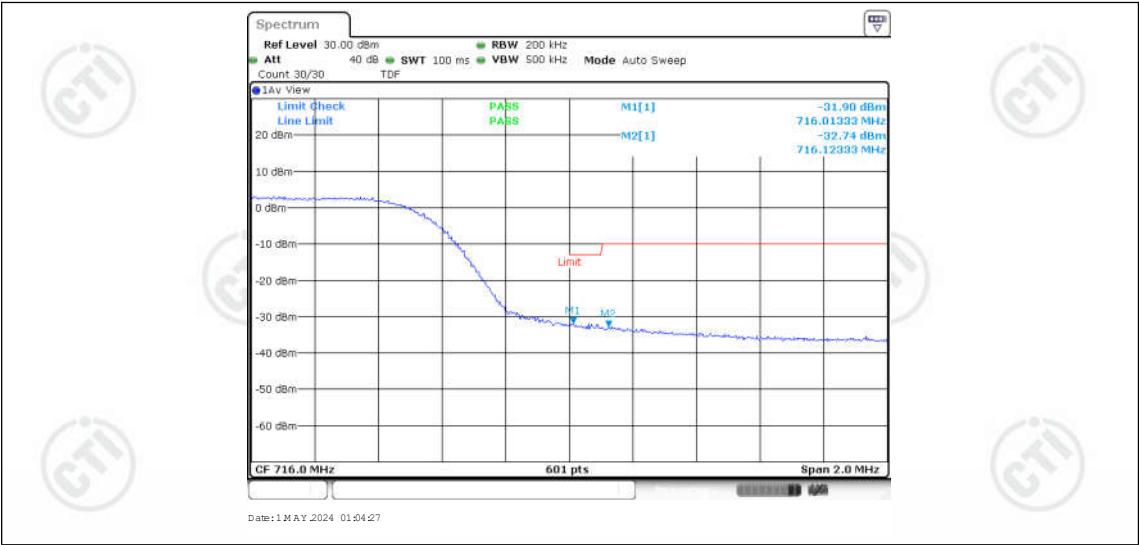


Band17-10MHz-QPSK-23800-50RB#0









## Appendix E: Conducted Spurious Emission

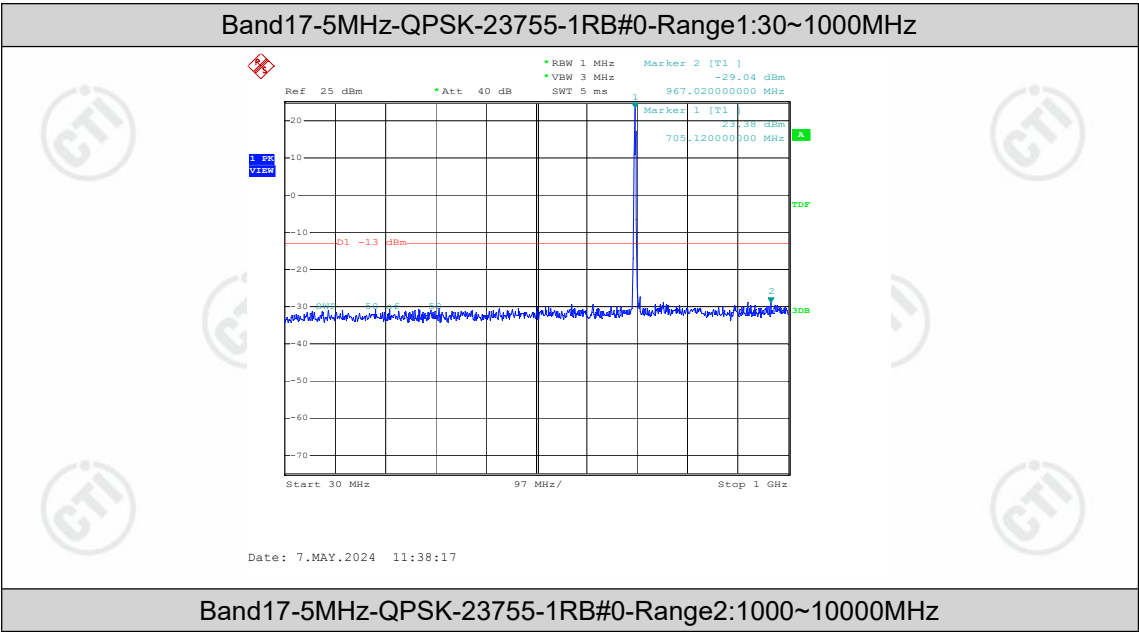
### Test Result

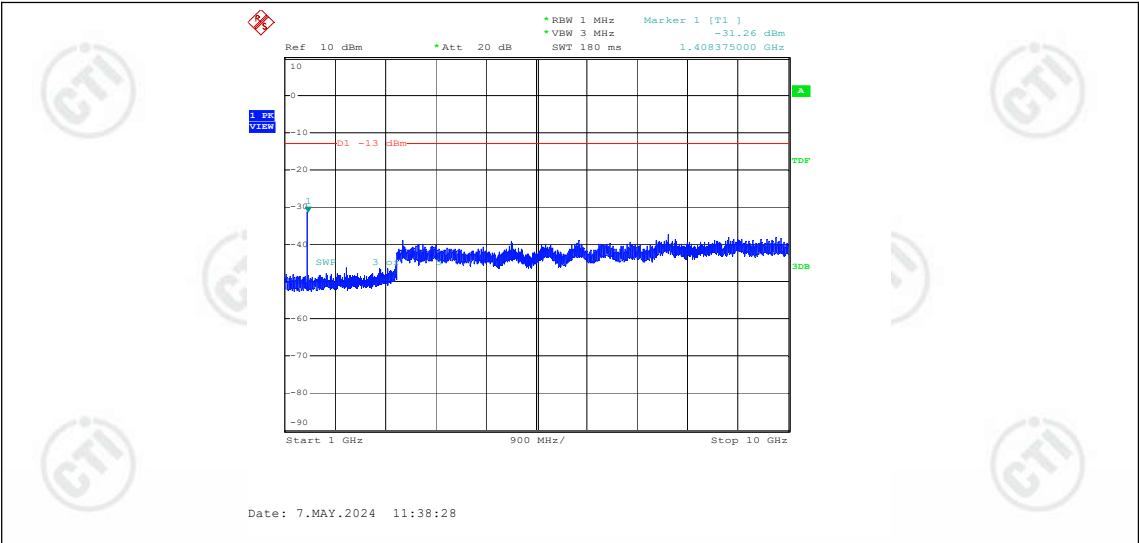
| Band   | Bandwidth | Modulation | Channel | RB Configuration | Frequency Range      | Result (dBm) | Verdict |
|--------|-----------|------------|---------|------------------|----------------------|--------------|---------|
| Band17 | 5MHz      | QPSK       | 23755   | 1RB#0            | Range1:30~1000MHz    | -29.04       | PASS    |
| Band17 | 5MHz      | QPSK       | 23755   | 1RB#0            | Range2:1000~10000MHz | -31.26       | PASS    |
| Band17 | 5MHz      | QPSK       | 23790   | 1RB#0            | Range1:30~1000MHz    | -29.39       | PASS    |
| Band17 | 5MHz      | QPSK       | 23790   | 1RB#0            | Range2:1000~10000MHz | -30.97       | PASS    |
| Band17 | 5MHz      | QPSK       | 23825   | 1RB#0            | Range1:30~1000MHz    | -29.34       | PASS    |
| Band17 | 5MHz      | QPSK       | 23825   | 1RB#0            | Range2:1000~10000MHz | -31.72       | PASS    |
| Band17 | 5MHz      | 16QAM      | 23755   | 1RB#0            | Range1:30~1000MHz    | -29.51       | PASS    |
| Band17 | 5MHz      | 16QAM      | 23755   | 1RB#0            | Range2:1000~10000MHz | -32.17       | PASS    |
| Band17 | 5MHz      | 16QAM      | 23790   | 1RB#0            | Range1:30~1000MHz    | -28.71       | PASS    |
| Band17 | 5MHz      | 16QAM      | 23790   | 1RB#0            | Range2:1000~10000MHz | -30.73       | PASS    |
| Band17 | 5MHz      | 16QAM      | 23825   | 1RB#0            | Range1:30~1000MHz    | -28.87       | PASS    |
| Band17 | 5MHz      | 16QAM      | 23825   | 1RB#0            | Range2:1000~10000MHz | -29.79       | PASS    |
| Band17 | 10MHz     | QPSK       | 23780   | 1RB#0            | Range1:30~1000MHz    | -29.14       | PASS    |
| Band17 | 10MHz     | QPSK       | 23780   | 1RB#0            | Range2:1000~10000MHz | -32.05       | PASS    |
| Band17 | 10MHz     | QPSK       | 23790   | 1RB#0            | Range1:30~1000MHz    | -29.1        | PASS    |
| Band17 | 10MHz     | QPSK       | 23790   | 1RB#0            | Range2:1000~10000MHz | -31.86       | PASS    |
| Band17 | 10MHz     | QPSK       | 23800   | 1RB#0            | Range1:30~1000MHz    | -29.56       | PASS    |



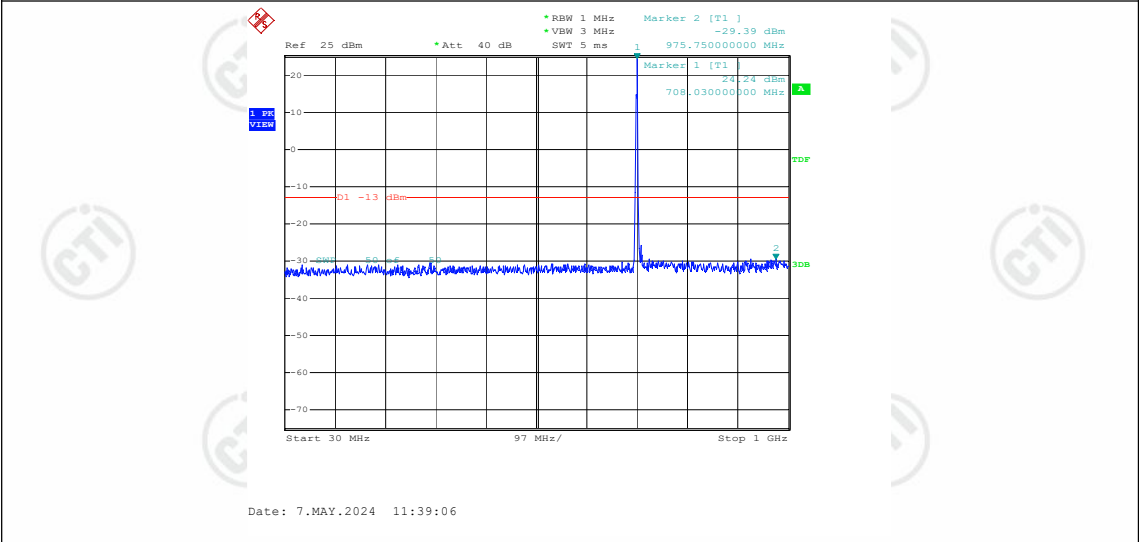
|        |       |       |       |       |                      |        |      |
|--------|-------|-------|-------|-------|----------------------|--------|------|
| Band17 | 10MHz | QPSK  | 23800 | 1RB#0 | Range2:1000~10000MHz | -31.47 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 1RB#0 | Range1:30~1000MHz    | -28.36 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 1RB#0 | Range2:1000~10000MHz | -31.73 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 1RB#0 | Range1:30~1000MHz    | -29.05 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 1RB#0 | Range2:1000~10000MHz | -32.05 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 1RB#0 | Range1:30~1000MHz    | -29.3  | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 1RB#0 | Range2:1000~10000MHz | -33.11 | PASS |

Test Graphs

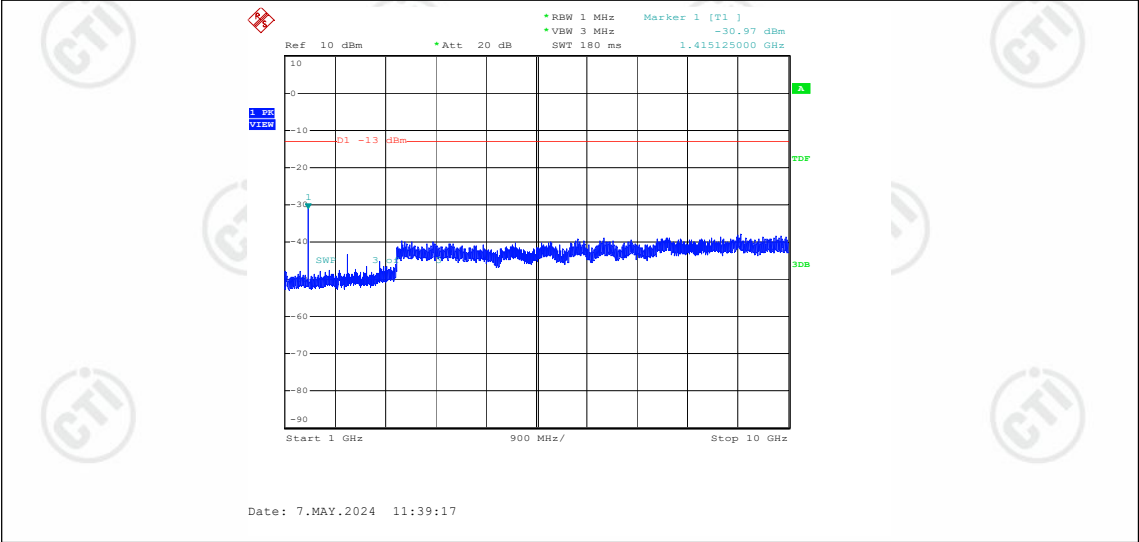




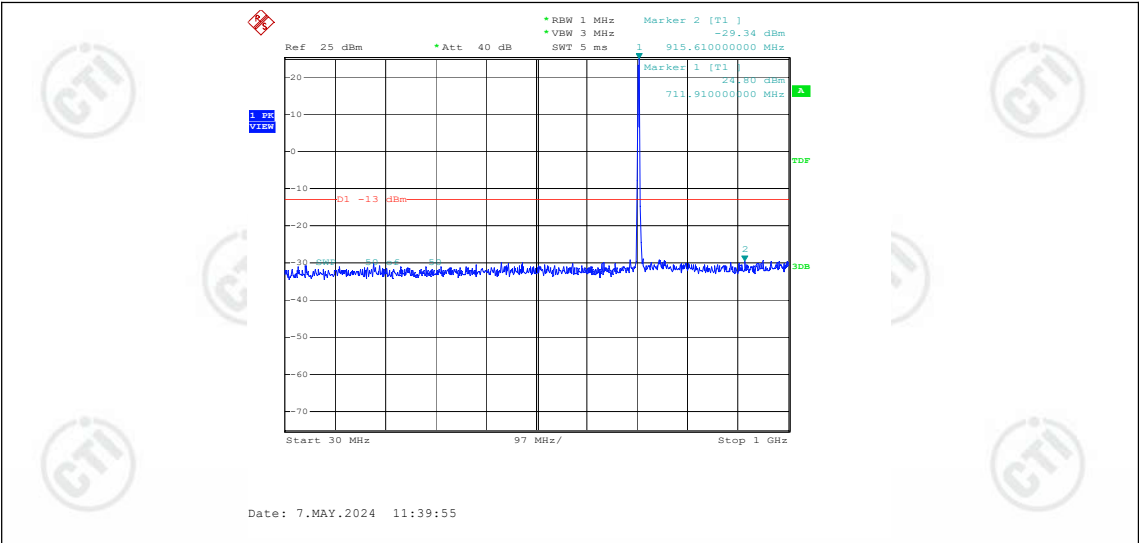
Band17-5MHz-QPSK-23790-1RB#0-Range1:30~1000MHz



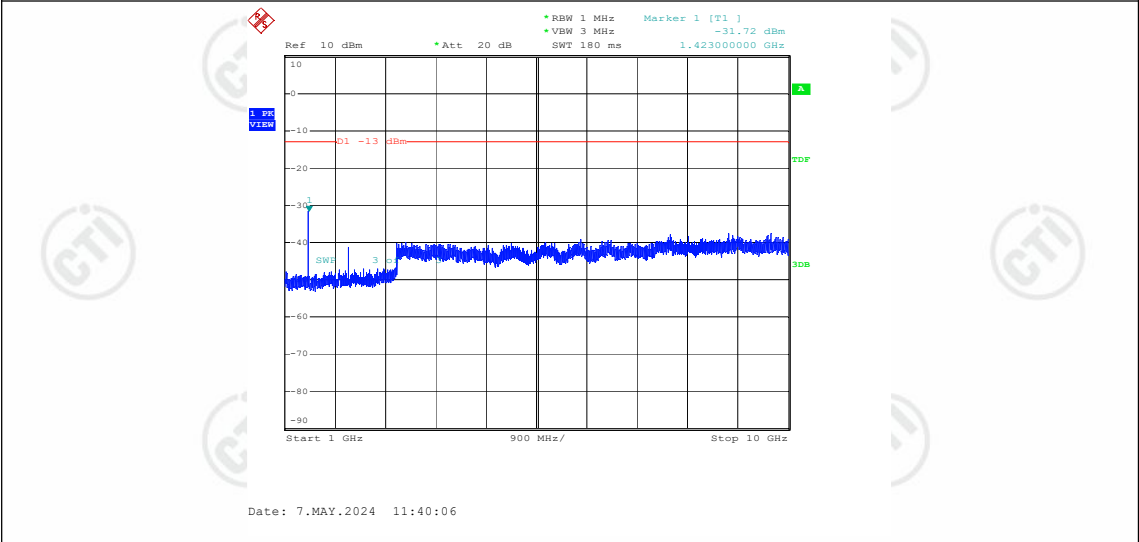
Band17-5MHz-QPSK-23790-1RB#0-Range2:1000~10000MHz



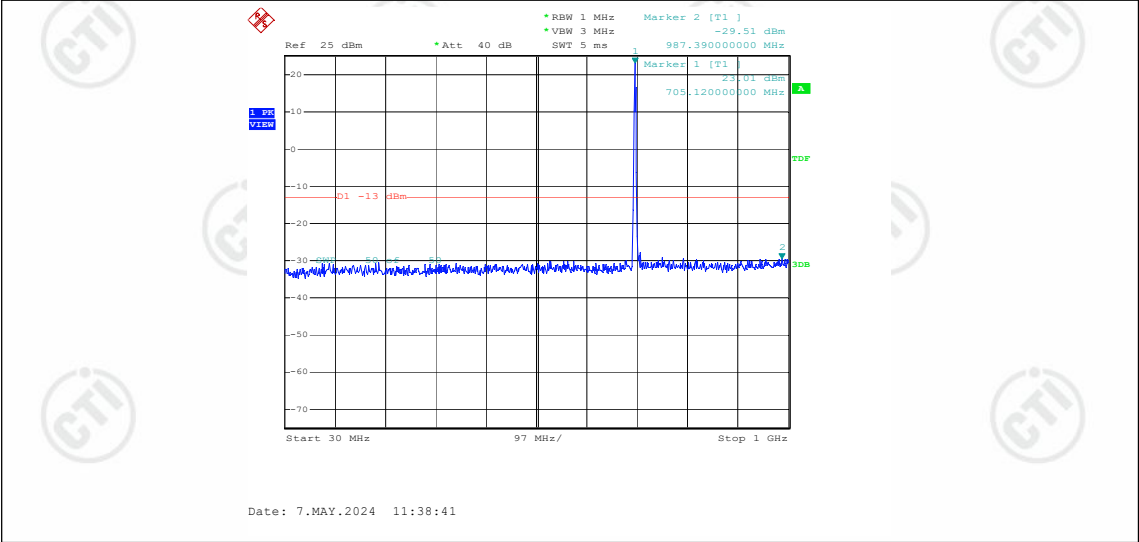
Band17-5MHz-QPSK-23825-1RB#0-Range1:30~1000MHz



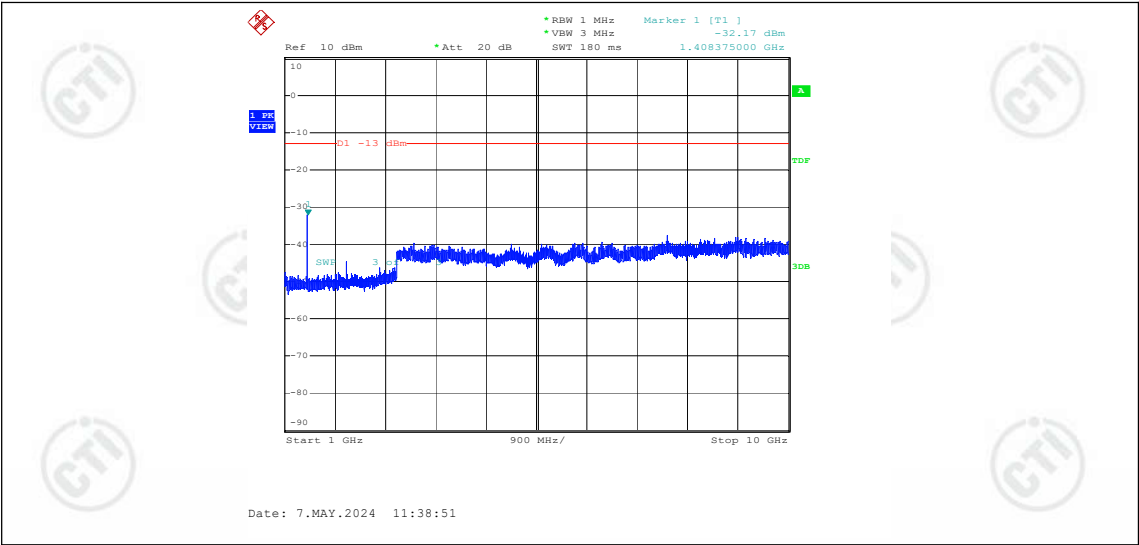
Band17-5MHz-QPSK-23825-1RB#0-Range2:1000~10000MHz



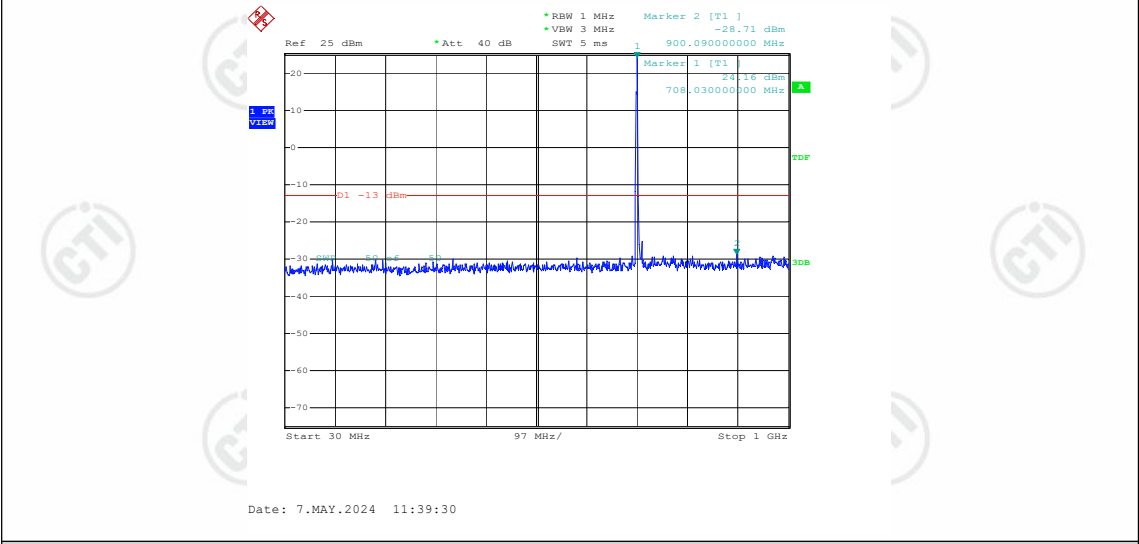
Band17-5MHz-16QAM-23755-1RB#0-Range1:30~1000MHz



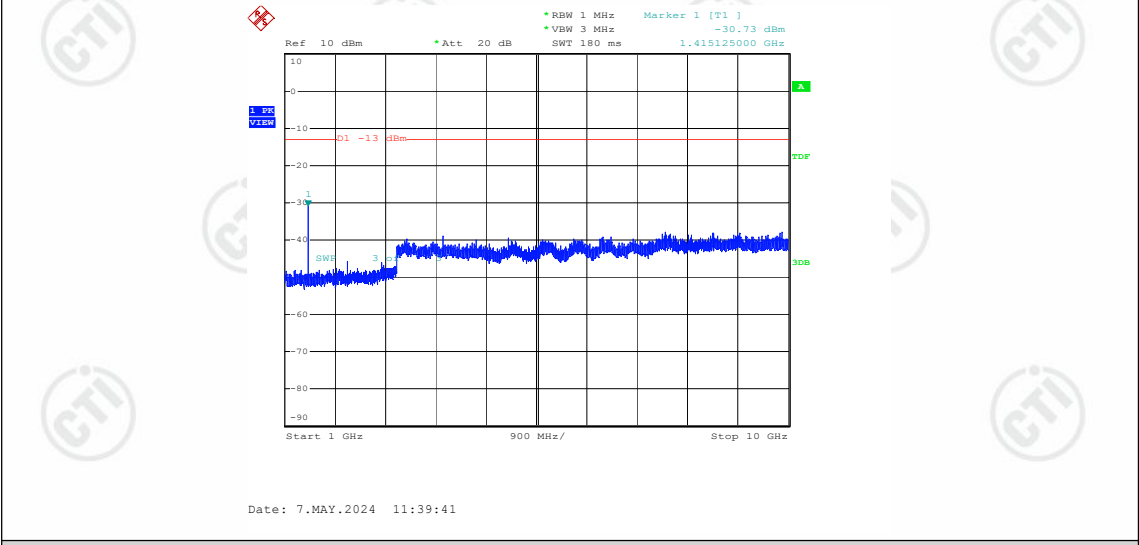
Band17-5MHz-16QAM-23755-1RB#0-Range2:1000~10000MHz



Band17-5MHz-16QAM-23790-1RB#0-Range1:30~1000MHz

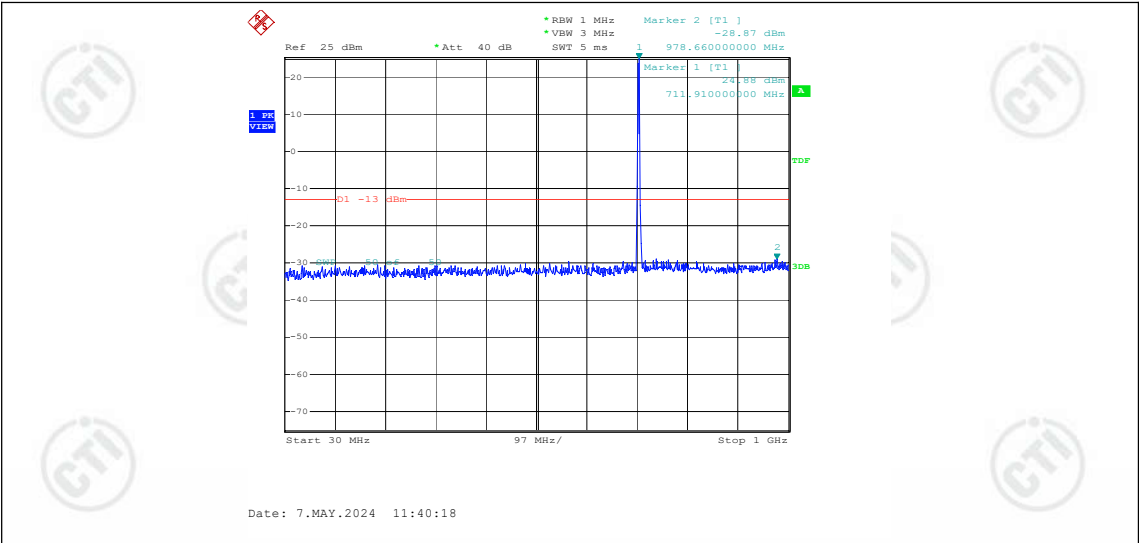


Band17-5MHz-16QAM-23790-1RB#0-Range2:1000~10000MHz

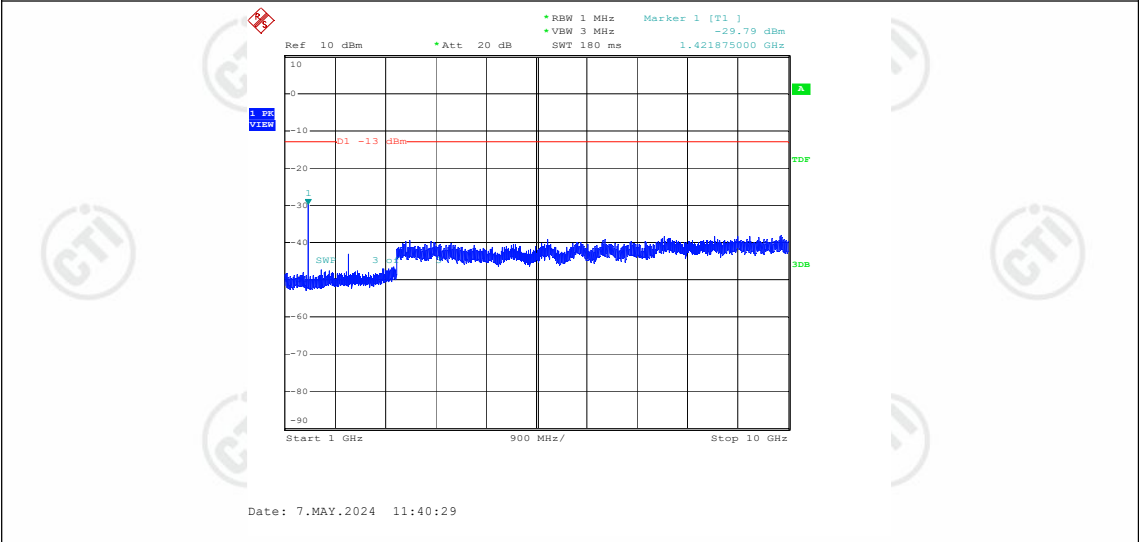


Band17-5MHz-16QAM-23825-1RB#0-Range1:30~1000MHz

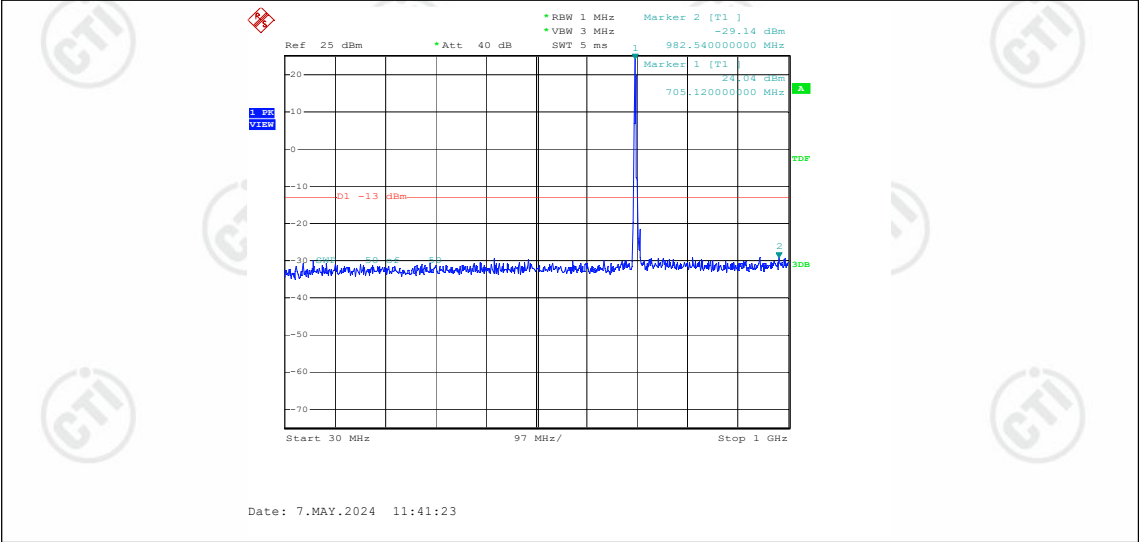




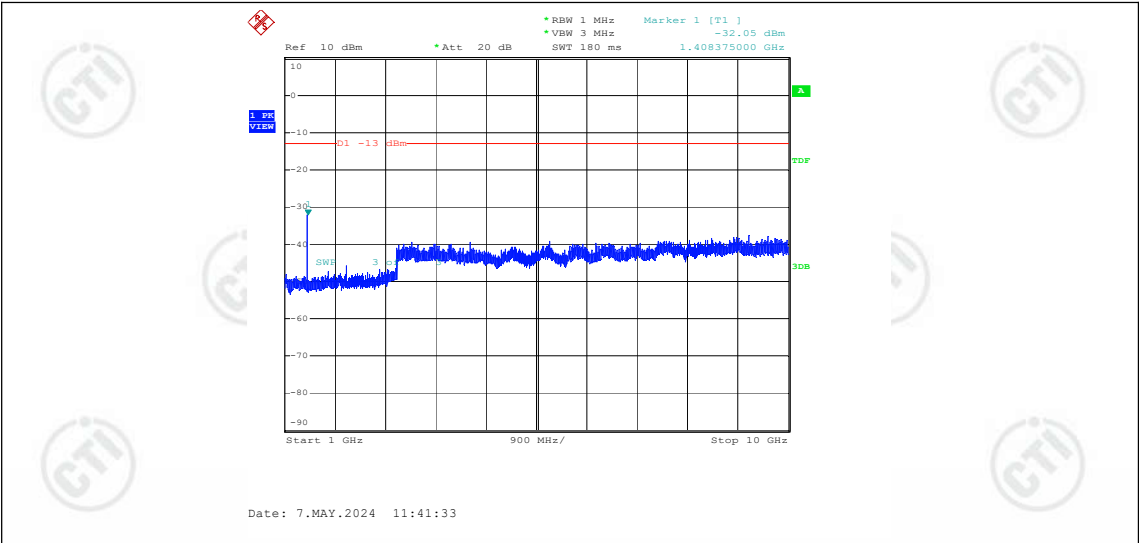
Band17-5MHz-16QAM-23825-1RB#0-Range2:1000~10000MHz



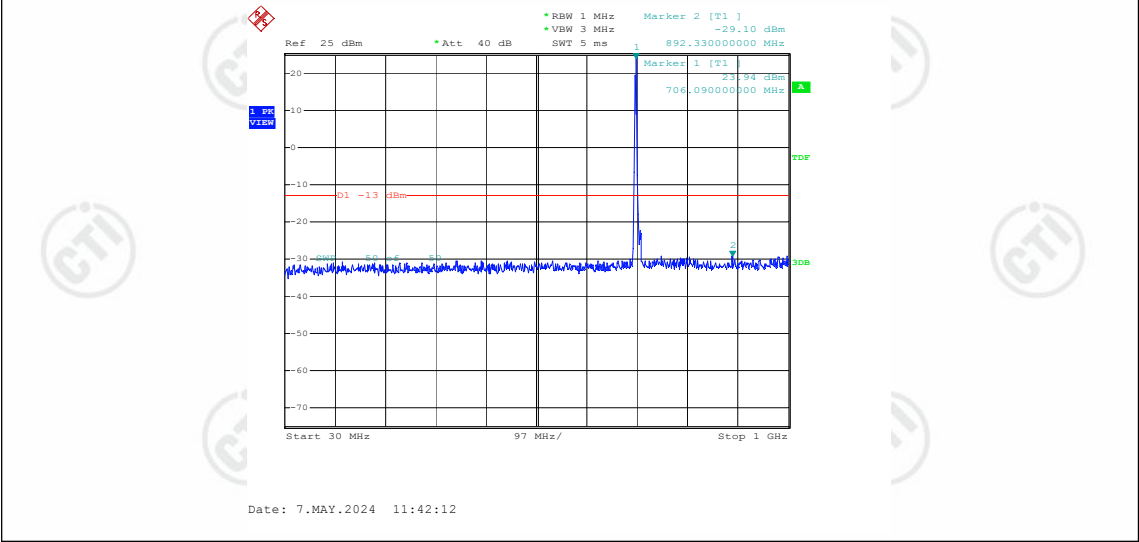
Band17-10MHz-QPSK-23780-1RB#0-Range1:30~1000MHz



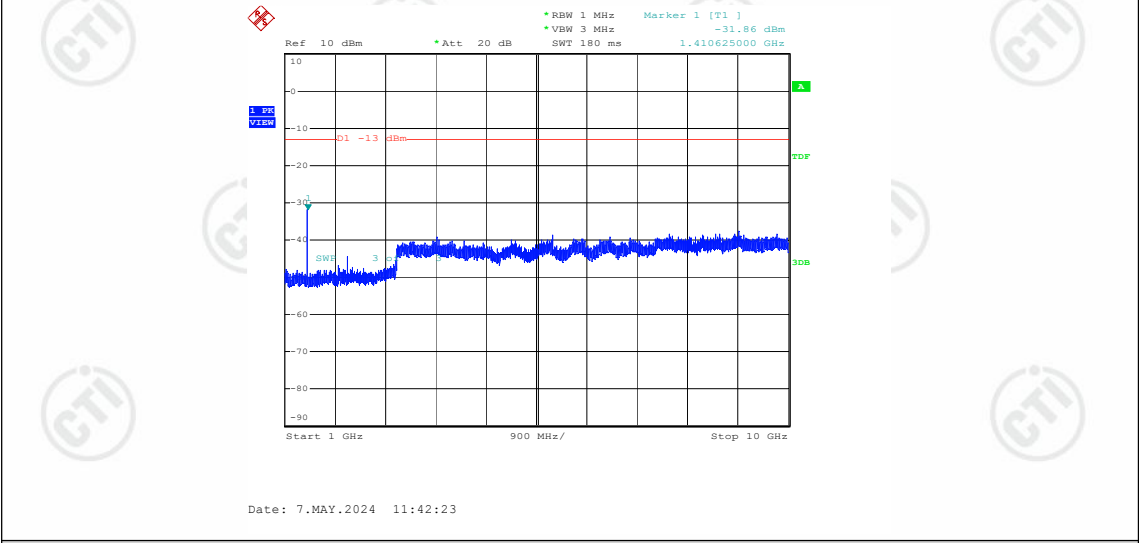
Band17-10MHz-QPSK-23780-1RB#0-Range2:1000~10000MHz



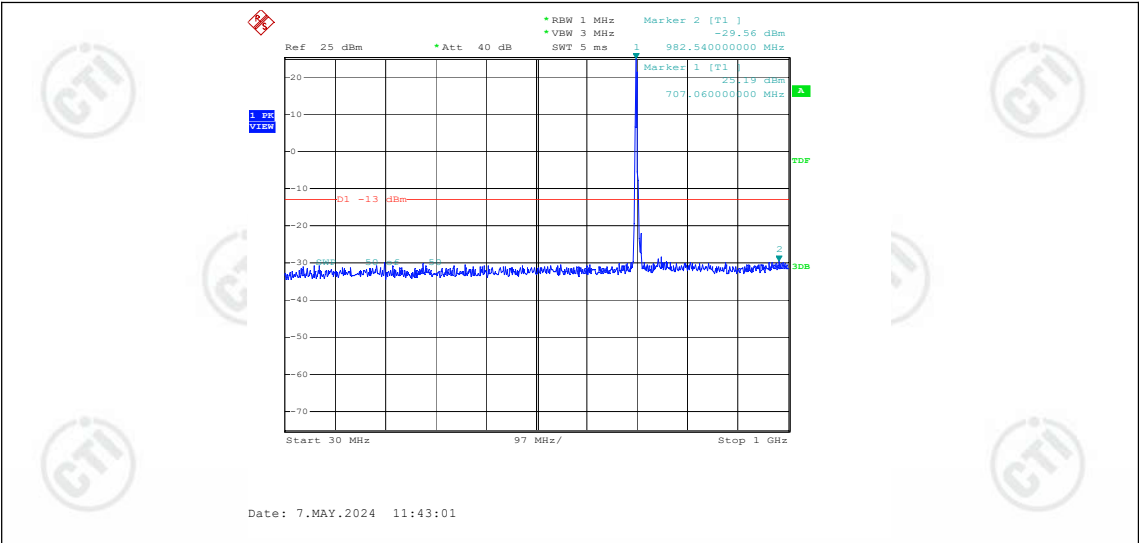
Band17-10MHz-QPSK-23790-1RB#0-Range1:30~1000MHz



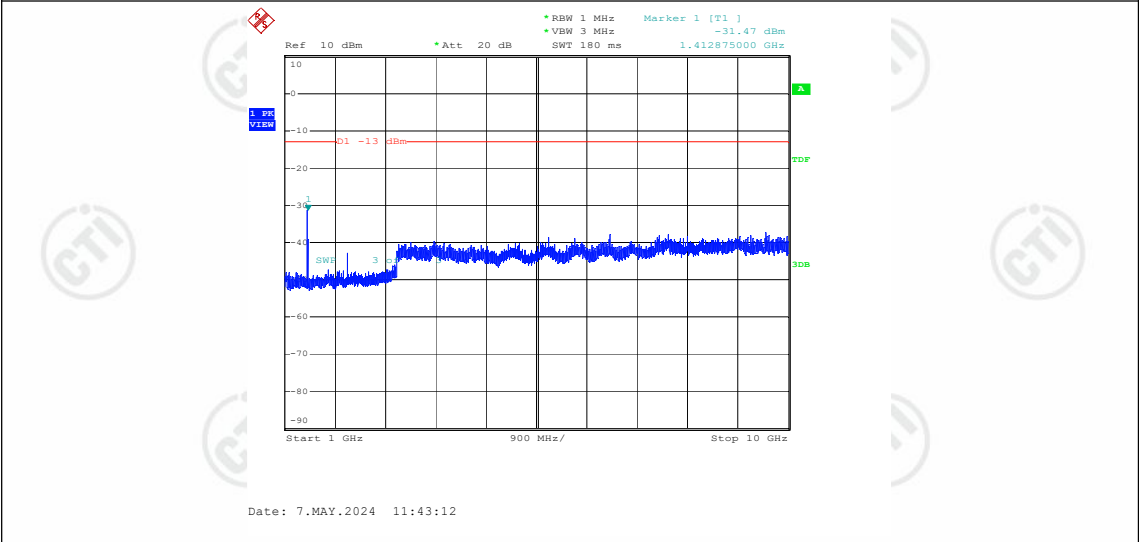
Band17-10MHz-QPSK-23790-1RB#0-Range2:1000~10000MHz



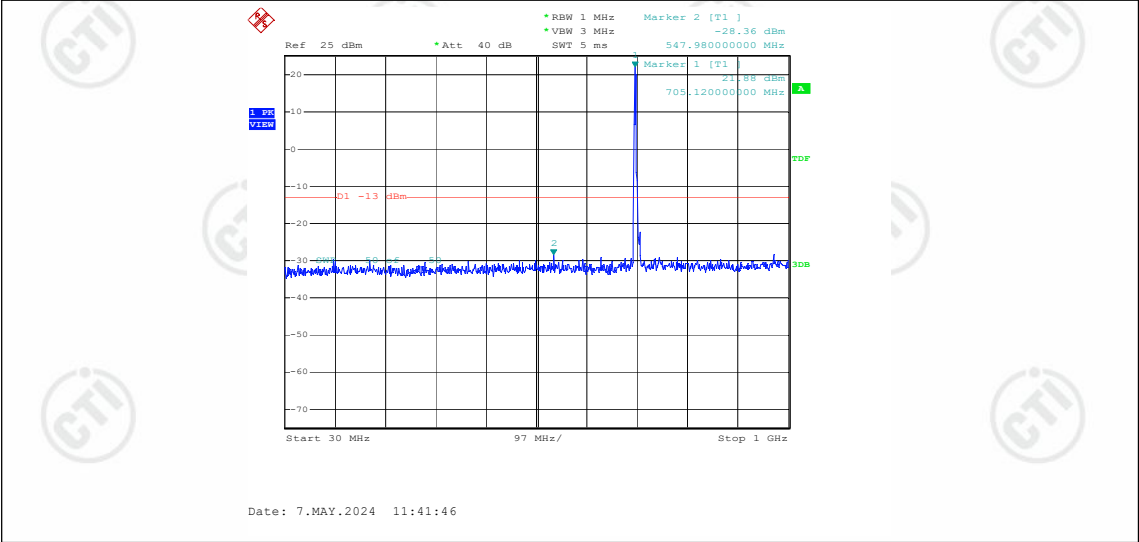
Band17-10MHz-QPSK-23800-1RB#0-Range1:30~1000MHz



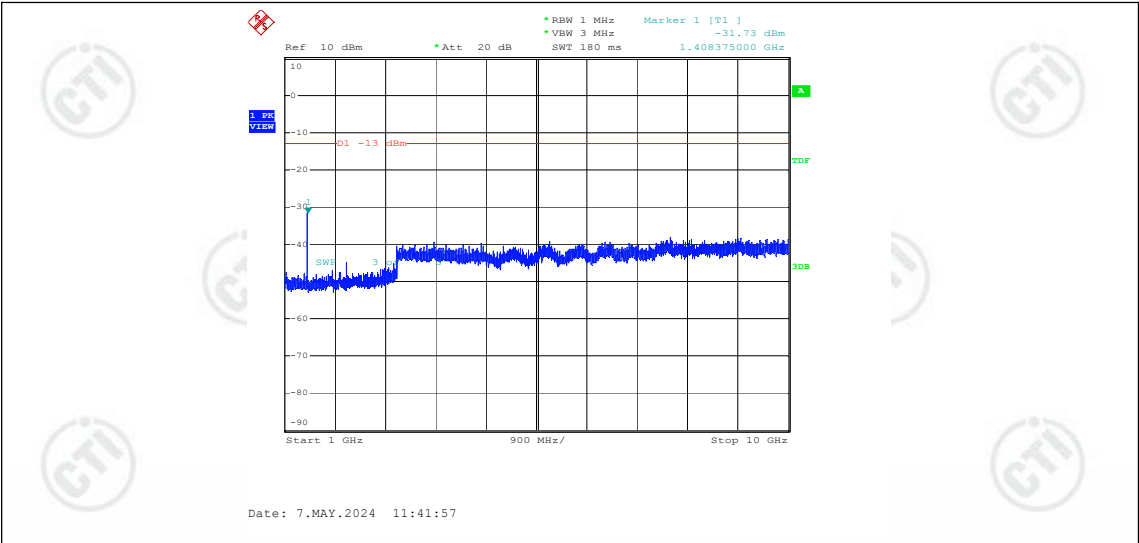
Band17-10MHz-QPSK-23800-1RB#0-Range2:1000~10000MHz



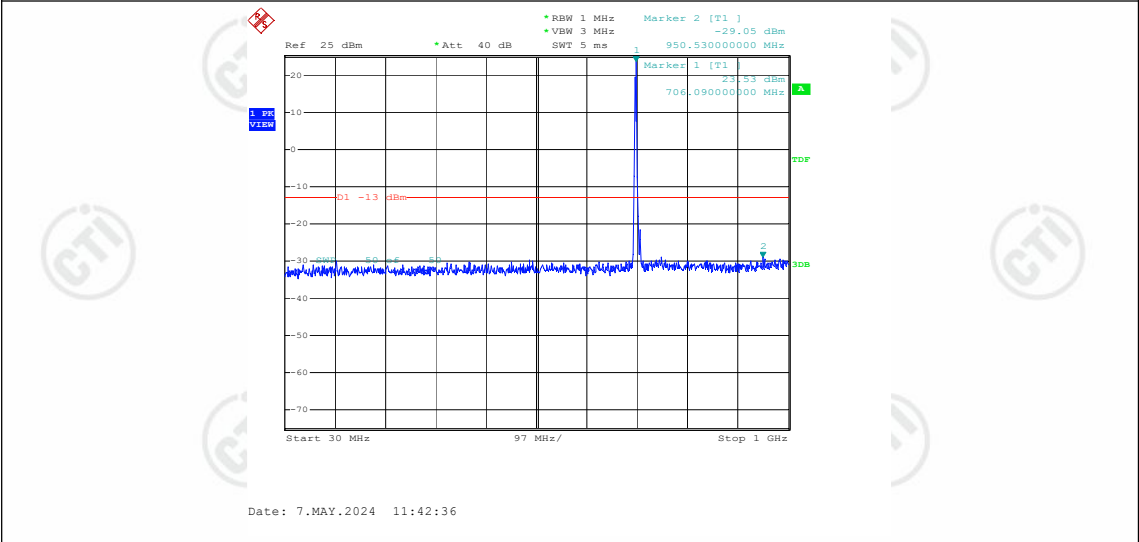
Band17-10MHz-16QAM-23780-1RB#0-Range1:30~1000MHz



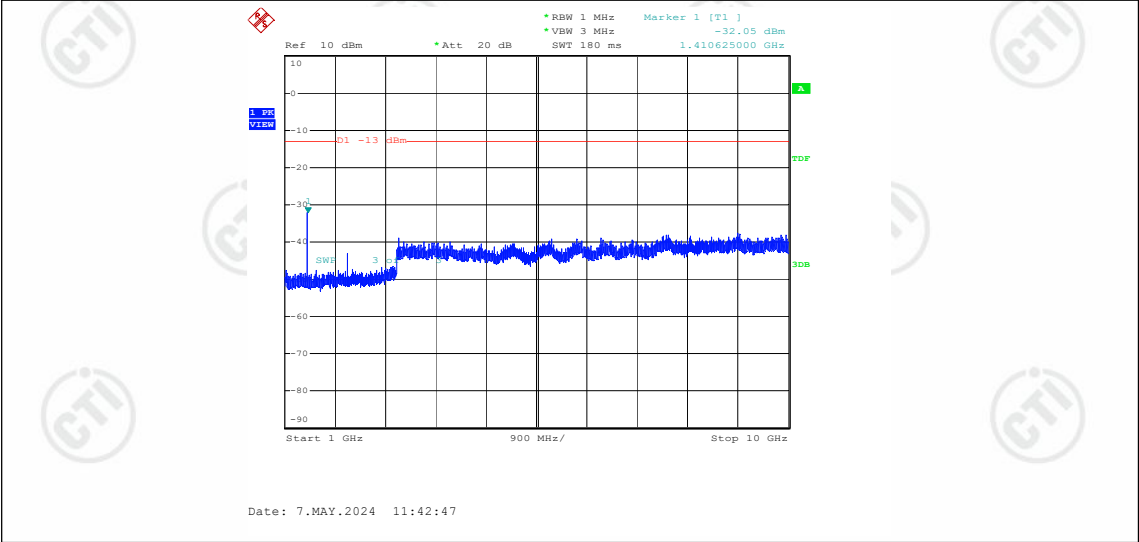
Band17-10MHz-16QAM-23780-1RB#0-Range2:1000~10000MHz



Band17-10MHz-16QAM-23790-1RB#0-Range1:30~1000MHz

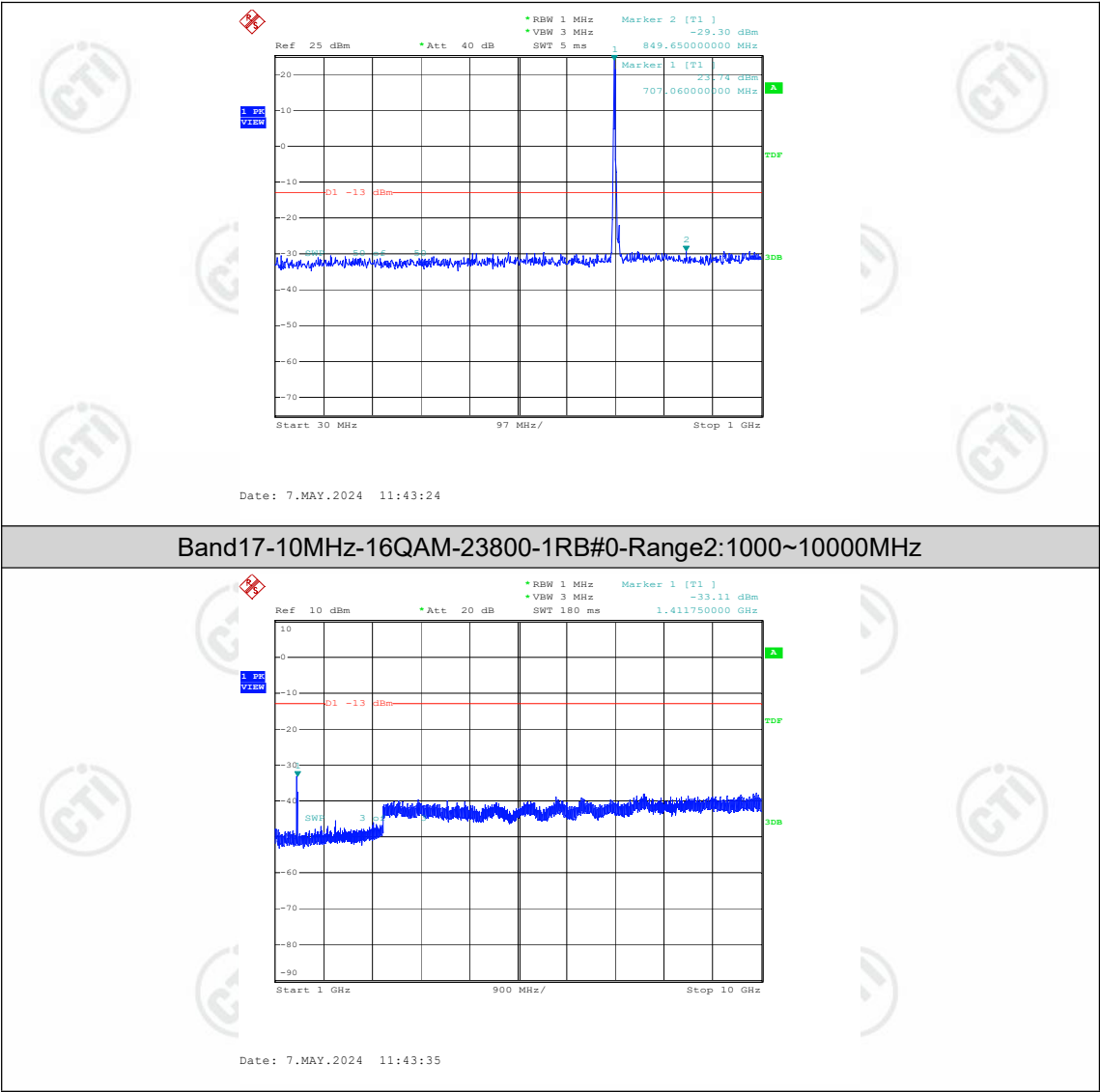


Band17-10MHz-16QAM-23790-1RB#0-Range2:1000~10000MHz



Band17-10MHz-16QAM-23800-1RB#0-Range1:30~1000MHz





**Appendix F: Frequency Stability****Test Result**

| Voltage |           |            |         |              |               |                  |                |                 |             |         |
|---------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band    | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| Band17  | 5MHz      | QPSK       | 23755   | 25RB#0       | VL            | NT               | -8.98          | -0.012711       | ±2.5        | PASS    |
| Band17  | 5MHz      | QPSK       | 23755   | 25RB#0       | VN            | NT               | -6.87          | -0.009724       | ±2.5        | PASS    |
| Band17  | 5MHz      | QPSK       | 23755   | 25RB#0       | VH            | NT               | -10.37         | -0.014678       | ±2.5        | PASS    |
| Band17  | 5MHz      | QPSK       | 23790   | 25RB#0       | VL            | NT               | -11.30         | -0.015915       | ±2.5        | PASS    |
| Band17  | 5MHz      | QPSK       | 23790   | 25RB#0       | VN            | NT               | -5.55          | -0.007817       | ±2.5        | PASS    |
| Band17  | 5MHz      | QPSK       | 23790   | 25RB#0       | VH            | NT               | -6.31          | -0.008887       | ±2.5        | PASS    |
| Band17  | 5MHz      | QPSK       | 23825   | 25RB#0       | VL            | NT               | -6.22          | -0.008718       | ±2.5        | PASS    |
| Band17  | 5MHz      | QPSK       | 23825   | 25RB#0       | VN            | NT               | -6.95          | -0.009741       | ±2.5        | PASS    |
| Band17  | 5MHz      | QPSK       | 23825   | 25RB#0       | VH            | NT               | -8.54          | -0.011969       | ±2.5        | PASS    |
| Band17  | 5MHz      | 16QAM      | 23755   | 25RB#0       | VL            | NT               | -8.37          | -0.011847       | ±2.5        | PASS    |
| Band17  | 5MHz      | 16QAM      | 23755   | 25RB#0       | VN            | NT               | -8.34          | -0.011805       | ±2.5        | PASS    |
| Band17  | 5MHz      | 16QAM      | 23755   | 25RB#0       | VH            | NT               | -7.00          | -0.009908       | ±2.5        | PASS    |
| Band17  | 5MHz      | 16QAM      | 23790   | 25RB#0       | VL            | NT               | -8.17          | -0.011507       | ±2.5        | PASS    |
| Band17  | 5MHz      | 16QAM      | 23790   | 25RB#0       | VN            | NT               | -6.42          | -0.009042       | ±2.5        | PASS    |
| Band17  | 5MHz      | 16QAM      | 23790   | 25RB#0       | VH            | NT               | -10.30         | -0.014507       | ±2.5        | PASS    |
| Band17  | 5MHz      | 16QAM      | 23825   | 25RB#0       | VL            | NT               | -11.12         | -0.015585       | ±2.5        | PASS    |

|        |       |       |       |        |    |    |        |           |      |      |
|--------|-------|-------|-------|--------|----|----|--------|-----------|------|------|
| Band17 | 5MHz  | 16QAM | 23825 | 25RB#0 | VN | NT | -7.54  | -0.010568 | ±2.5 | PASS |
| Band17 | 5MHz  | 16QAM | 23825 | 25RB#0 | VH | NT | -11.16 | -0.015641 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK  | 23780 | 50RB#0 | VL | NT | -6.90  | -0.009732 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK  | 23780 | 50RB#0 | VN | NT | -6.55  | -0.009238 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK  | 23780 | 50RB#0 | VH | NT | -9.14  | -0.012891 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK  | 23790 | 50RB#0 | VL | NT | -5.64  | -0.007944 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK  | 23790 | 50RB#0 | VN | NT | -1.75  | -0.002465 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK  | 23790 | 50RB#0 | VH | NT | -13.95 | -0.019648 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK  | 23800 | 50RB#0 | VL | NT | -5.69  | -0.008003 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK  | 23800 | 50RB#0 | VN | NT | -4.51  | -0.006343 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK  | 23800 | 50RB#0 | VH | NT | -7.70  | -0.010830 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 50RB#0 | VL | NT | -11.39 | -0.016065 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 50RB#0 | VN | NT | -7.02  | -0.009901 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 50RB#0 | VH | NT | -6.69  | -0.009436 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 50RB#0 | VL | NT | -10.07 | -0.014183 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 50RB#0 | VN | NT | -6.52  | -0.009183 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 50RB#0 | VH | NT | -5.69  | -0.008014 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 50RB#0 | VL | NT | -7.22  | -0.010155 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 50RB#0 | VN | NT | -8.74  | -0.012293 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 50RB#0 | VH | NT | -7.88  | -0.011083 | ±2.5 | PASS |

| Temperature |           |            |         |              |               |                  |                |                 |             |         |
|-------------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band        | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| Band17      | 5MHz      | QPSK       | 23755   | 25RB#0       | NV            | -30              | -8.27          | -0.011706       | ±2.5        | PASS    |
| Band17      | 5MHz      | QPSK       | 23755   | 25RB#0       | NV            | -20              | -4.41          | -0.006242       | ±2.5        | PASS    |
| Band17      | 5MHz      | QPSK       | 23755   | 25RB#0       | NV            | 0                | -13.65         | -0.019321       | ±2.5        | PASS    |
| Band17      | 5MHz      | QPSK       | 23755   | 25RB#0       | NV            | 10               | -10.09         | -0.014282       | ±2.5        | PASS    |
| Band17      | 5MHz      | QPSK       | 23755   | 25RB#0       | NV            | 20               | -4.11          | -0.005817       | ±2.5        | PASS    |
| Band17      | 5MHz      | QPSK       | 23790   | 25RB#0       | NV            | -30              | -8.44          | -0.011887       | ±2.5        | PASS    |
| Band17      | 5MHz      | QPSK       | 23790   | 25RB#0       | NV            | -20              | -6.84          | -0.009634       | ±2.5        | PASS    |
| Band17      | 5MHz      | QPSK       | 23790   | 25RB#0       | NV            | 0                | -8.55          | -0.012042       | ±2.5        | PASS    |
| Band17      | 5MHz      | QPSK       | 23790   | 25RB#0       | NV            | 10               | -5.25          | -0.007394       | ±2.5        | PASS    |
| Band17      | 5MHz      | QPSK       | 23790   | 25RB#0       | NV            | 20               | -7.20          | -0.010141       | ±2.5        | PASS    |
| Band17      | 5MHz      | QPSK       | 23825   | 25RB#0       | NV            | -30              | -7.90          | -0.011072       | ±2.5        | PASS    |
| Band17      | 5MHz      | QPSK       | 23825   | 25RB#0       | NV            | -20              | -7.20          | -0.010091       | ±2.5        | PASS    |
| Band17      | 5MHz      | QPSK       | 23825   | 25RB#0       | NV            | 0                | -5.62          | -0.007877       | ±2.5        | PASS    |
| Band17      | 5MHz      | QPSK       | 23825   | 25RB#0       | NV            | 10               | -4.41          | -0.006181       | ±2.5        | PASS    |



|        |      |       |       |        |    |     |        |           |      |      |
|--------|------|-------|-------|--------|----|-----|--------|-----------|------|------|
| Band17 | 5MHz | QPSK  | 23825 | 25RB#0 | NV | 20  | -4.56  | -0.006391 | ±2.5 | PASS |
| Band17 | 5MHz | 16QAM | 23755 | 25RB#0 | NV | -30 | -4.48  | -0.006341 | ±2.5 | PASS |
| Band17 | 5MHz | 16QAM | 23755 | 25RB#0 | NV | -20 | -9.93  | -0.014055 | ±2.5 | PASS |
| Band17 | 5MHz | 16QAM | 23755 | 25RB#0 | NV | 0   | -9.36  | -0.013248 | ±2.5 | PASS |
| Band17 | 5MHz | 16QAM | 23755 | 25RB#0 | NV | 10  | -8.43  | -0.011932 | ±2.5 | PASS |
| Band17 | 5MHz | 16QAM | 23755 | 25RB#0 | NV | 20  | -6.51  | -0.009214 | ±2.5 | PASS |
| Band17 | 5MHz | 16QAM | 23790 | 25RB#0 | NV | -30 | -12.77 | -0.017986 | ±2.5 | PASS |
| Band17 | 5MHz | 16QAM | 23790 | 25RB#0 | NV | -20 | -11.80 | -0.016620 | ±2.5 | PASS |
| Band17 | 5MHz | 16QAM | 23790 | 25RB#0 | NV | 0   | -11.46 | -0.016141 | ±2.5 | PASS |
| Band17 | 5MHz | 16QAM | 23790 | 25RB#0 | NV | 10  | -10.57 | -0.014887 | ±2.5 | PASS |
| Band17 | 5MHz | 16QAM | 23790 | 25RB#0 | NV | 20  | -7.08  | -0.009972 | ±2.5 | PASS |
| Band17 | 5MHz | 16QAM | 23825 | 25RB#0 | NV | -30 | -12.09 | -0.016945 | ±2.5 | PASS |
| Band17 | 5MHz | 16QAM | 23825 | 25RB#0 | NV | -20 | -12.49 | -0.017505 | ±2.5 | PASS |
| Band17 | 5MHz | 16QAM | 23825 | 25RB#0 | NV | 0   | -10.10 | -0.014156 | ±2.5 | PASS |
| Band17 | 5MHz | 16QAM | 23825 | 25RB#0 | NV | 10  | -8.58  | -0.012025 | ±2.5 | PASS |
| Band17 | 5MHz | 16QAM | 23825 | 25RB#0 | NV | 20  | -6.81  | -0.009544 | ±2.5 | PASS |

|        |       |       |       |        |    |     |        |           |      |      |
|--------|-------|-------|-------|--------|----|-----|--------|-----------|------|------|
| Band17 | 10MHz | QPSK  | 23780 | 50RB#0 | NV | -30 | -8.70  | -0.012271 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK  | 23780 | 50RB#0 | NV | -20 | -12.65 | -0.017842 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK  | 23780 | 50RB#0 | NV | 0   | -7.20  | -0.010155 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK  | 23780 | 50RB#0 | NV | 10  | -11.53 | -0.016262 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK  | 23780 | 50RB#0 | NV | 20  | -7.81  | -0.011016 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK  | 23790 | 50RB#0 | NV | -30 | -12.23 | -0.017225 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK  | 23790 | 50RB#0 | NV | -20 | -9.46  | -0.013324 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK  | 23790 | 50RB#0 | NV | 0   | -7.68  | -0.010817 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK  | 23790 | 50RB#0 | NV | 10  | -9.61  | -0.013535 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK  | 23790 | 50RB#0 | NV | 20  | -9.58  | -0.013493 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK  | 23800 | 50RB#0 | NV | -30 | -9.66  | -0.013586 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK  | 23800 | 50RB#0 | NV | -20 | -10.89 | -0.015316 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK  | 23800 | 50RB#0 | NV | 0   | -10.56 | -0.014852 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK  | 23800 | 50RB#0 | NV | 10  | -8.50  | -0.011955 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK  | 23800 | 50RB#0 | NV | 20  | -9.01  | -0.012672 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 50RB#0 | NV | -30 | -9.51  | -0.013413 | ±2.5 | PASS |

|        |       |       |       |        |    |     |        |           |      |      |
|--------|-------|-------|-------|--------|----|-----|--------|-----------|------|------|
| Band17 | 10MHz | 16QAM | 23780 | 50RB#0 | NV | -20 | -9.97  | -0.014062 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 50RB#0 | NV | 0   | -9.74  | -0.013738 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 50RB#0 | NV | 10  | -9.00  | -0.012694 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 50RB#0 | NV | 20  | -10.49 | -0.014795 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 50RB#0 | NV | -30 | -12.52 | -0.017634 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 50RB#0 | NV | -20 | -11.79 | -0.016606 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 50RB#0 | NV | 0   | -5.65  | -0.007958 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 50RB#0 | NV | 10  | -5.74  | -0.008085 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 50RB#0 | NV | 20  | -7.80  | -0.010986 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 50RB#0 | NV | -30 | -8.31  | -0.011688 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 50RB#0 | NV | -20 | -8.55  | -0.012025 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 50RB#0 | NV | 0   | -11.63 | -0.016357 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 50RB#0 | NV | 10  | -12.47 | -0.017539 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 50RB#0 | NV | 20  | -13.19 | -0.018551 | ±2.5 | PASS |

\*\*\* End of Report \*\*\*