

## Appendix: LTE Band 14

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**Appendix A: Effective (Isotropic) Radiated Power Output Data****Test Result**

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Result(dBm)  | Verdict |
|--------|-----------|------------|---------|------------------|--------------|---------|
| Band14 | 5MHz      | QPSK       | 23305   | 1RB#0            | 23.47        | PASS    |
| Band14 | 5MHz      | QPSK       | 23305   | 1RB#12           | <b>23.52</b> | PASS    |
| Band14 | 5MHz      | QPSK       | 23305   | 1RB#24           | 23.28        | PASS    |
| Band14 | 5MHz      | QPSK       | 23305   | 12RB#0           | 22.49        | PASS    |
| Band14 | 5MHz      | QPSK       | 23305   | 12RB#6           | 22.54        | PASS    |
| Band14 | 5MHz      | QPSK       | 23305   | 12RB#13          | 22.33        | PASS    |
| Band14 | 5MHz      | QPSK       | 23305   | 25RB#0           | 22.39        | PASS    |
| Band14 | 5MHz      | QPSK       | 23330   | 1RB#0            | 23.48        | PASS    |
| Band14 | 5MHz      | QPSK       | 23330   | 1RB#12           | 23.07        | PASS    |
| Band14 | 5MHz      | QPSK       | 23330   | 1RB#24           | 23.18        | PASS    |
| Band14 | 5MHz      | QPSK       | 23330   | 12RB#0           | 22.10        | PASS    |
| Band14 | 5MHz      | QPSK       | 23330   | 12RB#6           | 22.10        | PASS    |
| Band14 | 5MHz      | QPSK       | 23330   | 12RB#13          | 22.16        | PASS    |
| Band14 | 5MHz      | QPSK       | 23330   | 25RB#0           | 22.05        | PASS    |
| Band14 | 5MHz      | QPSK       | 23355   | 1RB#0            | 23.22        | PASS    |
| Band14 | 5MHz      | QPSK       | 23355   | 1RB#12           | 23.12        | PASS    |
| Band14 | 5MHz      | QPSK       | 23355   | 1RB#24           | 23.15        | PASS    |
| Band14 | 5MHz      | QPSK       | 23355   | 12RB#0           | 22.09        | PASS    |
| Band14 | 5MHz      | QPSK       | 23355   | 12RB#6           | 22.11        | PASS    |
| Band14 | 5MHz      | QPSK       | 23355   | 12RB#13          | 22.25        | PASS    |
| Band14 | 5MHz      | QPSK       | 23355   | 25RB#0           | 22.15        | PASS    |
| Band14 | 5MHz      | 16QAM      | 23305   | 1RB#0            | 22.90        | PASS    |
| Band14 | 5MHz      | 16QAM      | 23305   | 1RB#12           | 22.36        | PASS    |
| Band14 | 5MHz      | 16QAM      | 23305   | 1RB#24           | 22.04        | PASS    |
| Band14 | 5MHz      | 16QAM      | 23305   | 12RB#0           | 21.48        | PASS    |
| Band14 | 5MHz      | 16QAM      | 23305   | 12RB#6           | 21.47        | PASS    |
| Band14 | 5MHz      | 16QAM      | 23305   | 12RB#13          | 21.18        | PASS    |
| Band14 | 5MHz      | 16QAM      | 23305   | 25RB#0           | 21.21        | PASS    |
| Band14 | 5MHz      | 16QAM      | 23330   | 1RB#0            | 22.39        | PASS    |
| Band14 | 5MHz      | 16QAM      | 23330   | 1RB#12           | 21.95        | PASS    |
| Band14 | 5MHz      | 16QAM      | 23330   | 1RB#24           | 22.06        | PASS    |

|        |       |       |       |         |       |      |
|--------|-------|-------|-------|---------|-------|------|
| Band14 | 5MHz  | 16QAM | 23330 | 12RB#0  | 20.98 | PASS |
| Band14 | 5MHz  | 16QAM | 23330 | 12RB#6  | 20.92 | PASS |
| Band14 | 5MHz  | 16QAM | 23330 | 12RB#13 | 21.02 | PASS |
| Band14 | 5MHz  | 16QAM | 23330 | 25RB#0  | 20.95 | PASS |
| Band14 | 5MHz  | 16QAM | 23355 | 1RB#0   | 22.04 | PASS |
| Band14 | 5MHz  | 16QAM | 23355 | 1RB#12  | 22.01 | PASS |
| Band14 | 5MHz  | 16QAM | 23355 | 1RB#24  | 22.14 | PASS |
| Band14 | 5MHz  | 16QAM | 23355 | 12RB#0  | 20.93 | PASS |
| Band14 | 5MHz  | 16QAM | 23355 | 12RB#6  | 20.95 | PASS |
| Band14 | 5MHz  | 16QAM | 23355 | 12RB#13 | 21.25 | PASS |
| Band14 | 5MHz  | 16QAM | 23355 | 25RB#0  | 21.00 | PASS |
| Band14 | 10MHz | QPSK  | 23330 | 1RB#0   | 23.32 | PASS |
| Band14 | 10MHz | QPSK  | 23330 | 1RB#24  | 23.11 | PASS |
| Band14 | 10MHz | QPSK  | 23330 | 1RB#49  | 23.09 | PASS |
| Band14 | 10MHz | QPSK  | 23330 | 25RB#0  | 22.17 | PASS |
| Band14 | 10MHz | QPSK  | 23330 | 25RB#12 | 22.17 | PASS |
| Band14 | 10MHz | QPSK  | 23330 | 25RB#25 | 22.06 | PASS |
| Band14 | 10MHz | QPSK  | 23330 | 50RB#0  | 21.87 | PASS |
| Band14 | 10MHz | 16QAM | 23330 | 1RB#0   | 22.35 | PASS |
| Band14 | 10MHz | 16QAM | 23330 | 1RB#12  | 22.01 | PASS |
| Band14 | 10MHz | 16QAM | 23330 | 1RB#24  | 22.24 | PASS |
| Band14 | 10MHz | 16QAM | 23330 | 12RB#0  | 22.22 | PASS |
| Band14 | 10MHz | 16QAM | 23330 | 12RB#6  | 22.26 | PASS |
| Band14 | 10MHz | 16QAM | 23330 | 12RB#13 | 22.25 | PASS |
| Band14 | 10MHz | 16QAM | 23330 | 25RB#0  | 21.01 | PASS |

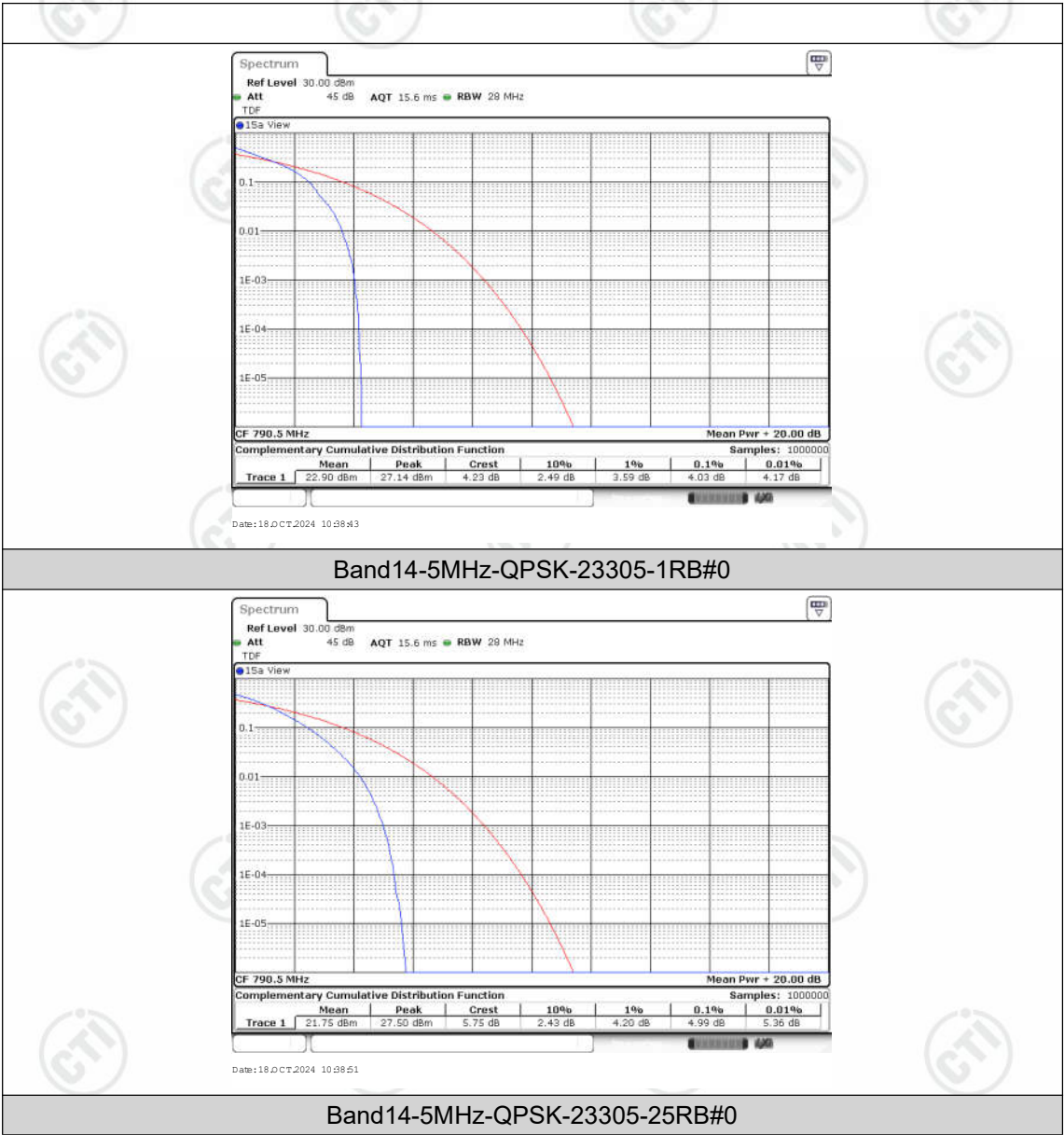
Appendix B: Peak-to-Average Ratio(CCDF)

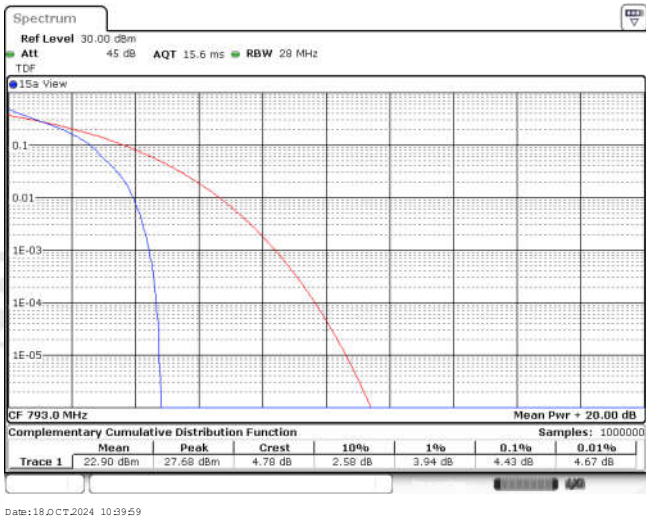
Test Result

| Band   | Bandwidth<br>h | Modulation | Channel | RB<br>Configuration | Result(dB) | Limit(dB) | Verdict |
|--------|----------------|------------|---------|---------------------|------------|-----------|---------|
| Band14 | 5MHz           | QPSK       | 23305   | 1RB#0               | 4.03       | 13        | PASS    |
| Band14 | 5MHz           | QPSK       | 23305   | 25RB#0              | 4.99       | 13        | PASS    |
| Band14 | 5MHz           | QPSK       | 23330   | 1RB#0               | 4.43       | 13        | PASS    |
| Band14 | 5MHz           | QPSK       | 23330   | 25RB#0              | 5.33       | 13        | PASS    |
| Band14 | 5MHz           | QPSK       | 23355   | 1RB#0               | 5.01       | 13        | PASS    |
| Band14 | 5MHz           | QPSK       | 23355   | 25RB#0              | 5.04       | 13        | PASS    |
| Band14 | 5MHz           | 16QAM      | 23305   | 1RB#0               | 4.67       | 13        | PASS    |
| Band14 | 5MHz           | 16QAM      | 23305   | 25RB#0              | 5.91       | 13        | PASS    |
| Band14 | 5MHz           | 16QAM      | 23330   | 1RB#0               | 5.54       | 13        | PASS    |
| Band14 | 5MHz           | 16QAM      | 23330   | 25RB#0              | 6.23       | 13        | PASS    |
| Band14 | 5MHz           | 16QAM      | 23355   | 1RB#0               | 6.17       | 13        | PASS    |
| Band14 | 5MHz           | 16QAM      | 23355   | 25RB#0              | 6.00       | 13        | PASS    |
| Band14 | 10MHz          | QPSK       | 23330   | 1RB#0               | 4.12       | 13        | PASS    |
| Band14 | 10MHz          | QPSK       | 23330   | 50RB#0              | 5.39       | 13        | PASS    |
| Band14 | 10MHz          | 16QAM      | 23330   | 1RB#0               | 5.01       | 13        | PASS    |
| Band14 | 10MHz          | 16QAM      | 23330   | 25RB#0              | 6.17       | 13        | PASS    |

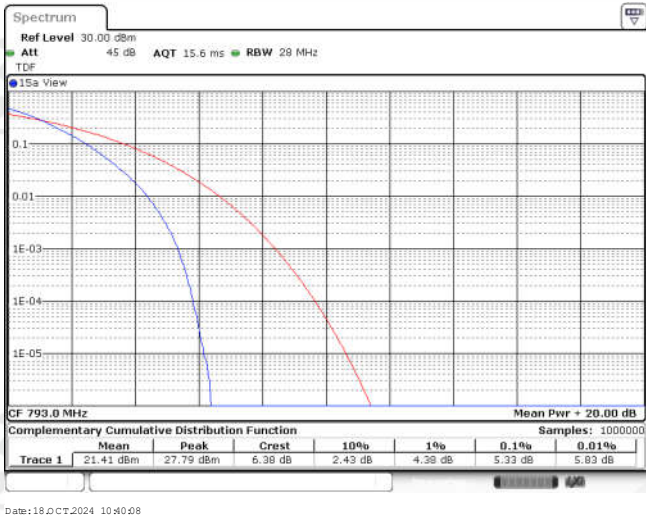


Test Graphs

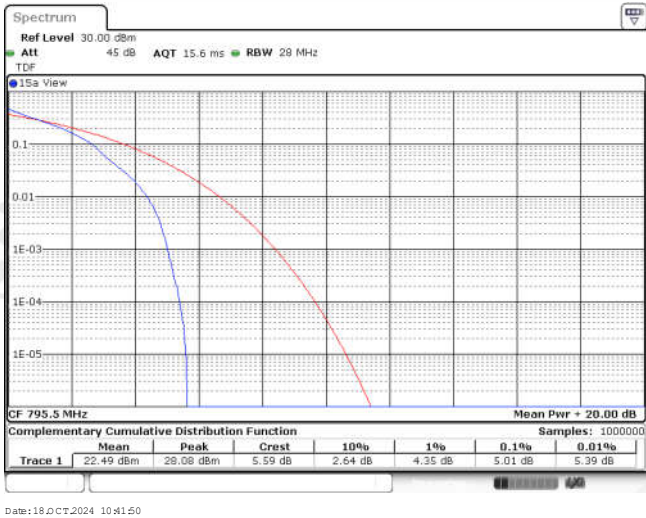




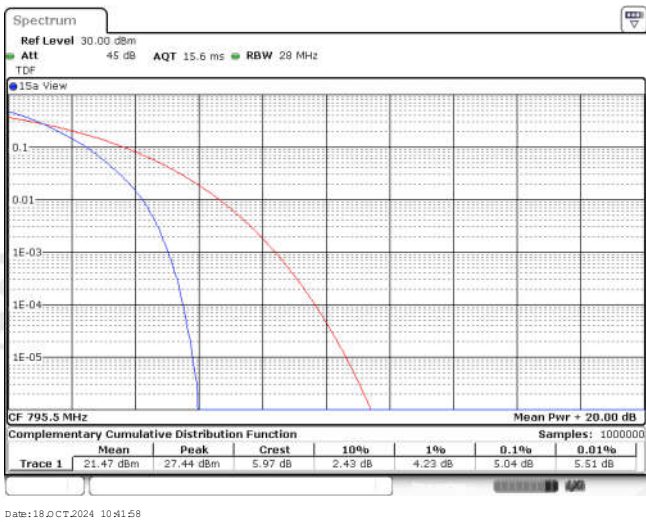
Band14-5MHz-QPSK-23330-1RB#0



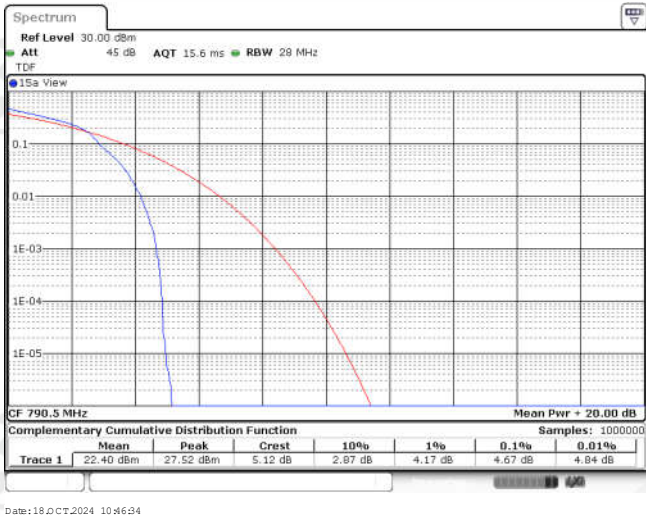
Band14-5MHz-QPSK-23330-25RB#0



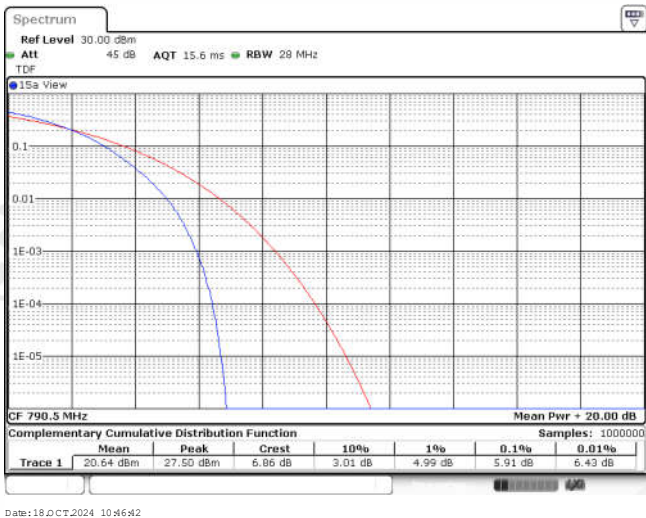
Band14-5MHz-QPSK-23355-1RB#0



Band14-5MHz-QPSK-23355-25RB#0

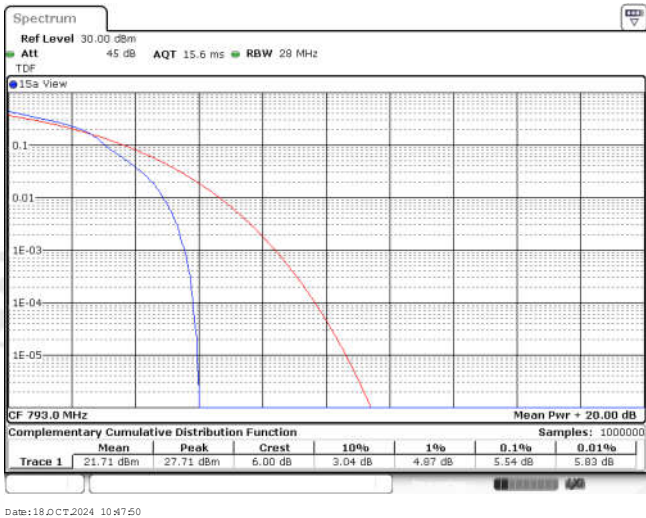


Band14-5MHz-16QAM-23305-1RB#0

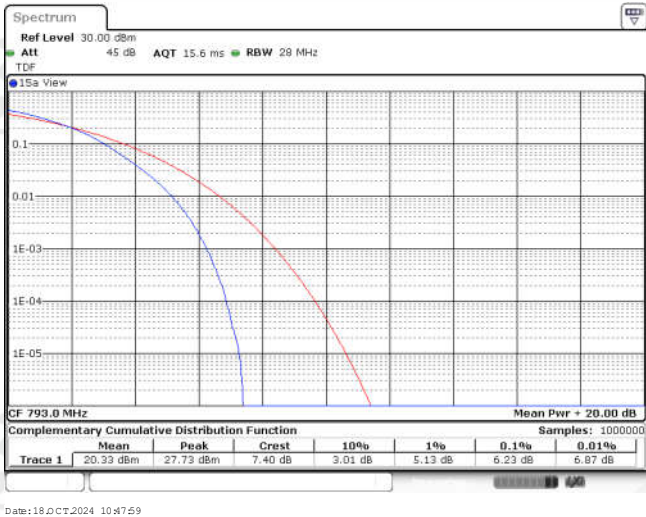


Band14-5MHz-16QAM-23305-25RB#0

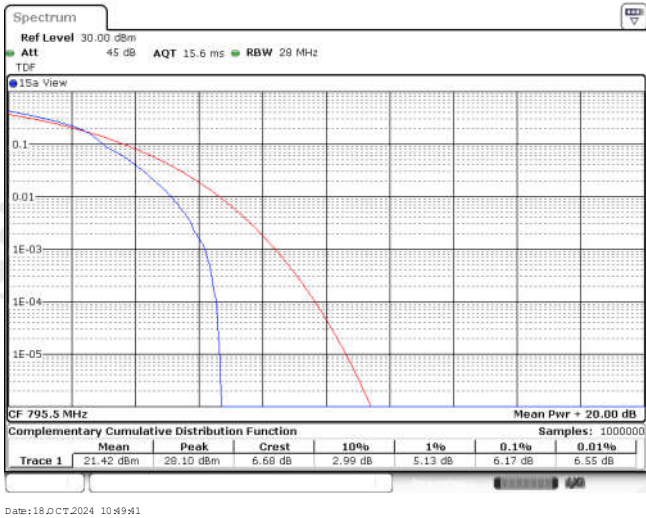




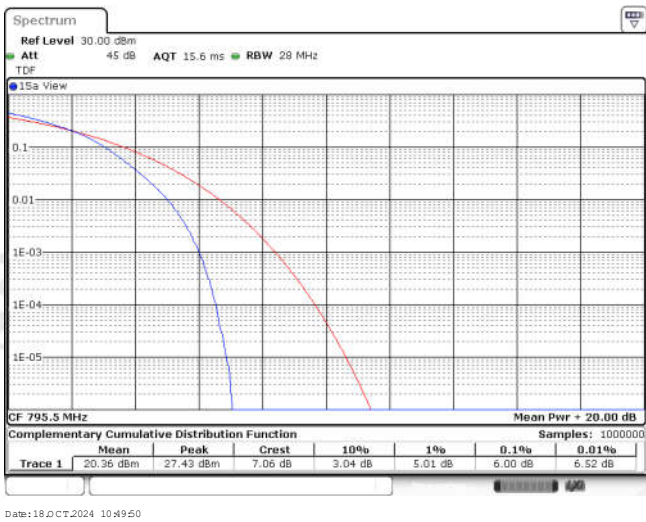
Band14-5MHz-16QAM-23330-1RB#0



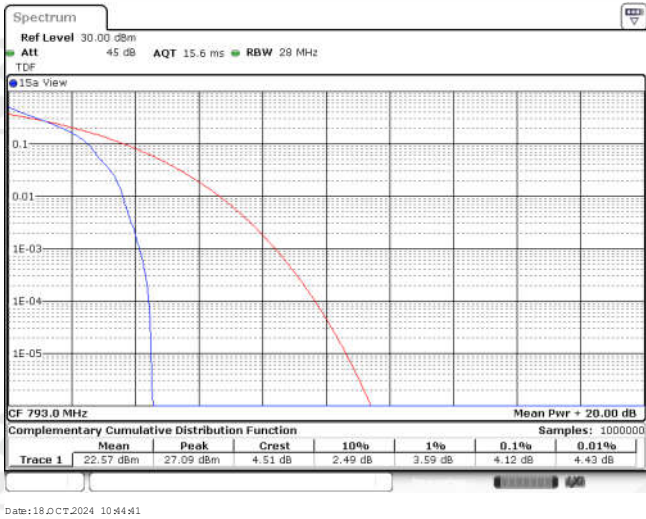
Band14-5MHz-16QAM-23330-25RB#0



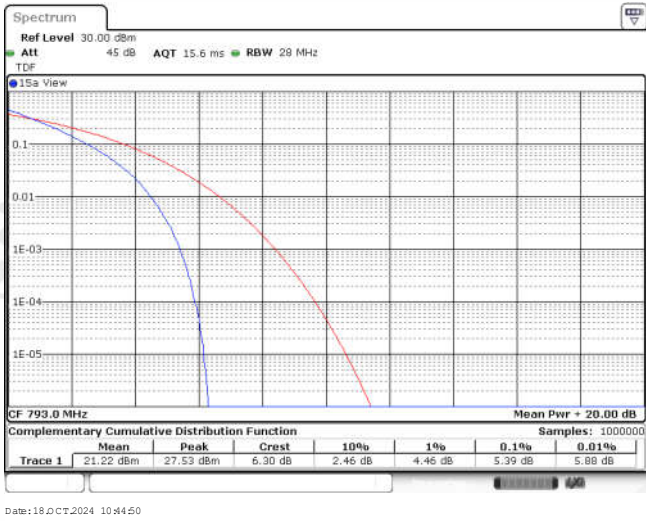
Band14-5MHz-16QAM-23355-1RB#0



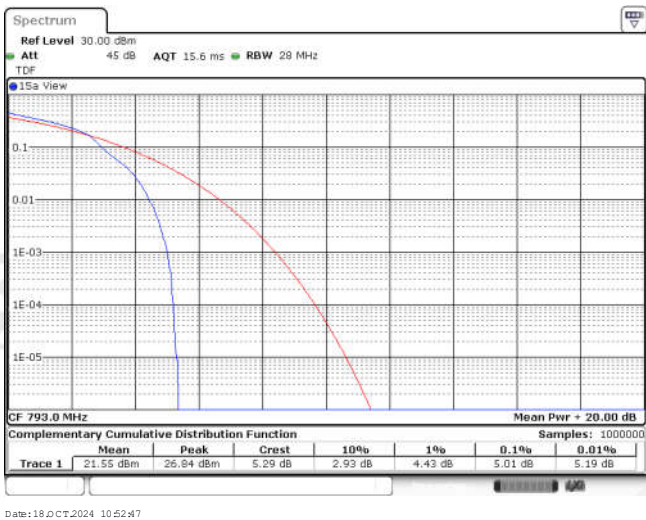
Band14-5MHz-16QAM-23355-25RB#0



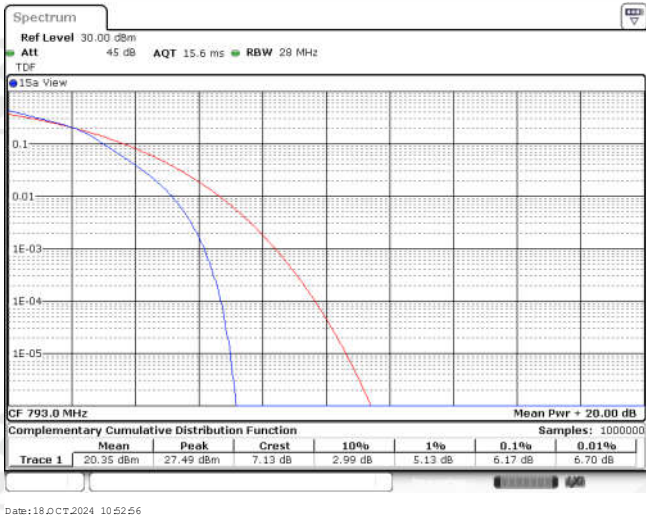
Band14-10MHz-QPSK-23330-1RB#0



Band14-10MHz-QPSK-23330-50RB#0



Band14-10MHz-16QAM-23330-1RB#0



Band14-10MHz-16QAM-23330-25RB#0



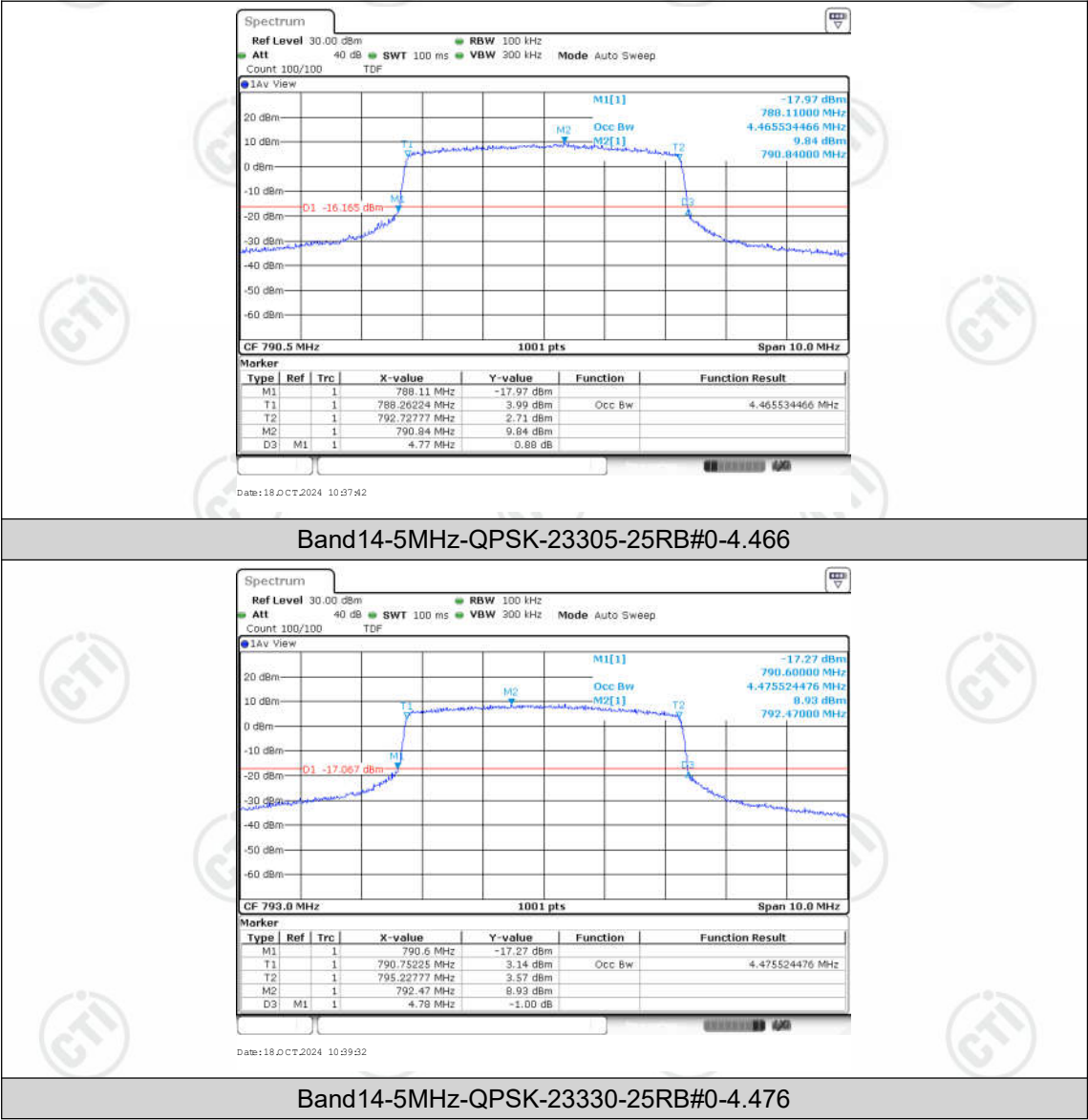
Appendix C: 26dB Bandwidth and Occupied Bandwidth

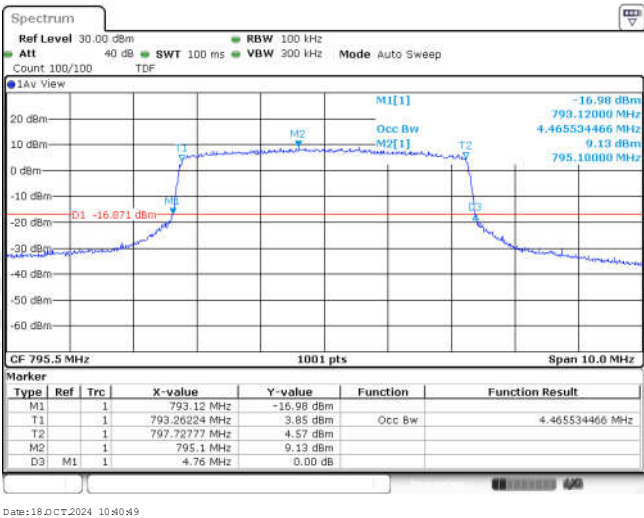
Test Result

| Band   | Bandwidth<br>h | Modulation | Channel | RB<br>Configuration | Occupied<br>Bandwidth<br>(MHz) | 26dB<br>Bandwidth<br>(MHz) | Verdict |
|--------|----------------|------------|---------|---------------------|--------------------------------|----------------------------|---------|
| Band14 | 5MHz           | QPSK       | 23305   | 25RB#0              | 4.466                          | 4.770                      | PASS    |
| Band14 | 5MHz           | QPSK       | 23330   | 25RB#0              | 4.476                          | 4.780                      | PASS    |
| Band14 | 5MHz           | QPSK       | 23355   | 25RB#0              | 4.466                          | 4.760                      | PASS    |
| Band14 | 5MHz           | 16QAM      | 23305   | 25RB#0              | 4.446                          | 4.760                      | PASS    |
| Band14 | 5MHz           | 16QAM      | 23330   | 25RB#0              | 4.456                          | 4.780                      | PASS    |
| Band14 | 5MHz           | 16QAM      | 23355   | 25RB#0              | 4.486                          | 4.760                      | PASS    |
| Band14 | 10MHz          | QPSK       | 23330   | 50RB#0              | 8.985                          | 9.600                      | PASS    |
| Band14 | 10MHz          | 16QAM      | 23330   | 25RB#0              | 4.595                          | 5.060                      | PASS    |

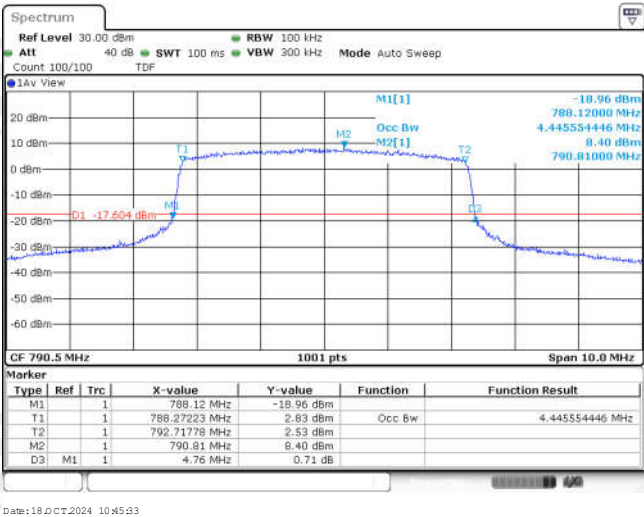


Test Graphs

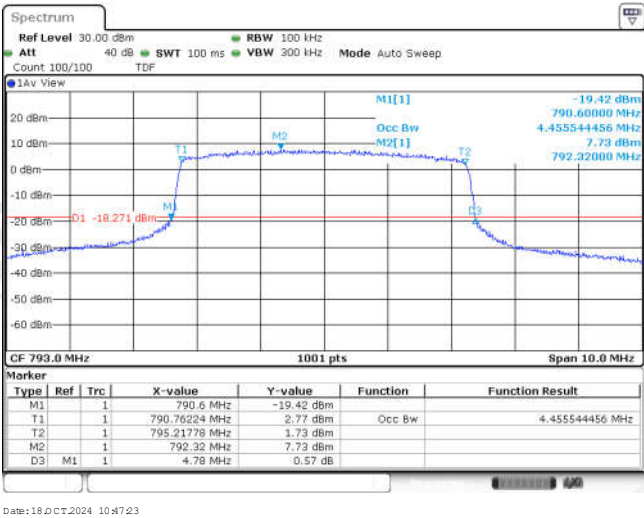




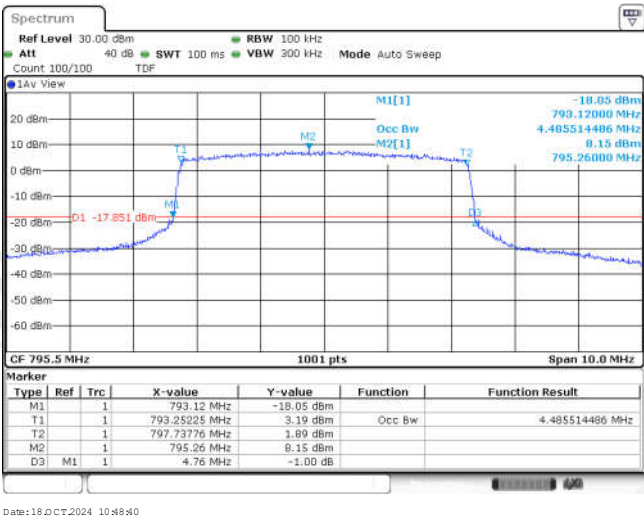
Band14-5MHz-QPSK-23355-25RB#0-4.466



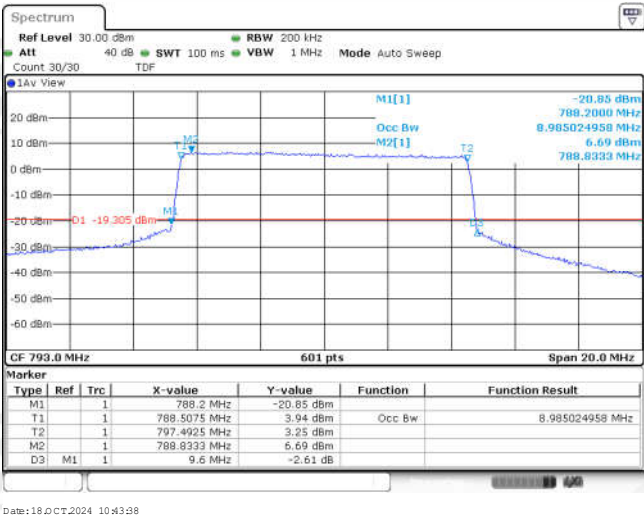
Band14-5MHz-16QAM-23305-25RB#0-4.446



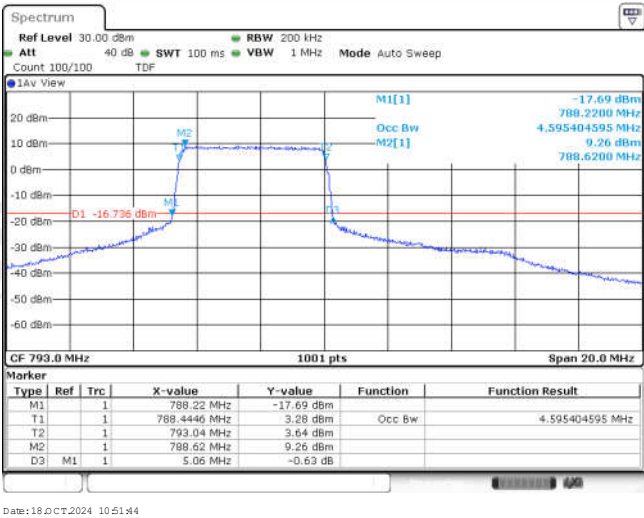
Band14-5MHz-16QAM-23330-25RB#0-4.456



Band14-5MHz-16QAM-23355-25RB#0-4.486



Band14-10MHz-QPSK-23330-50RB#0-8.985



Band14-10MHz-16QAM-23330-25RB#0-4.595

Appendix D: Band Edge

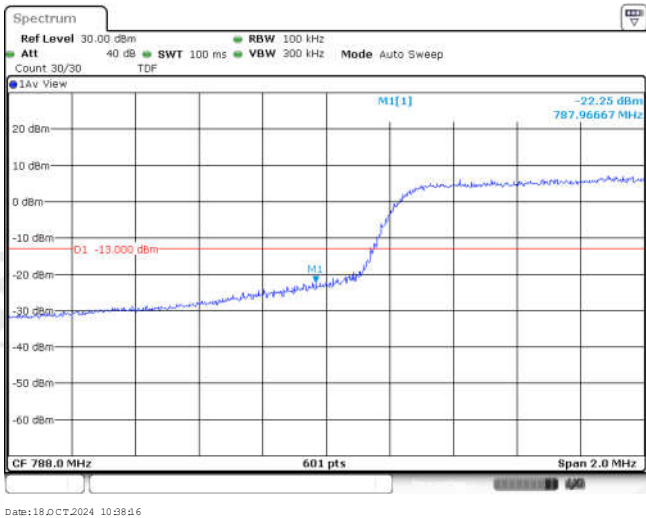
Test Result

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Result(dBm)   | Verdict |
|--------|-----------|------------|---------|------------------|---------------|---------|
| Band14 | 5MHz      | QPSK       | 23305   | 1RB#0            | -15.86        | PASS    |
| Band14 | 5MHz      | QPSK       | 23305   | 1RB#24           | -27.93        | PASS    |
| Band14 | 5MHz      | QPSK       | 23305   | 25RB#0           | -22.25        | PASS    |
| Band14 | 5MHz      | QPSK       | 23355   | 1RB#0            | -25.40        | PASS    |
| Band14 | 5MHz      | QPSK       | 23355   | 1RB#24           | -15.69        | PASS    |
| Band14 | 5MHz      | QPSK       | 23355   | 25RB#0           | -23.00        | PASS    |
| Band14 | 5MHz      | 16QAM      | 23305   | 1RB#0            | -15.85        | PASS    |
| Band14 | 5MHz      | 16QAM      | 23305   | 1RB#24           | -29.11        | PASS    |
| Band14 | 5MHz      | 16QAM      | 23305   | 25RB#0           | -23.77        | PASS    |
| Band14 | 5MHz      | 16QAM      | 23355   | 1RB#0            | -23.97        | PASS    |
| Band14 | 5MHz      | 16QAM      | 23355   | 1RB#24           | -13.05        | PASS    |
| Band14 | 5MHz      | 16QAM      | 23355   | 25RB#0           | -23.88        | PASS    |
| Band14 | 10MHz     | QPSK       | 23330   | 1RB#0            | -16.36,-29.76 | PASS    |
| Band14 | 10MHz     | QPSK       | 23330   | 1RB#49           | -28.36,-16.22 | PASS    |
| Band14 | 10MHz     | QPSK       | 23330   | 50RB#0           | -23.55,-26.08 | PASS    |
| Band14 | 10MHz     | 16QAM      | 23330   | 1RB#0            | -17.25,-30.46 | PASS    |
| Band14 | 10MHz     | 16QAM      | 23330   | 1RB#24           | -29.33,-30.23 | PASS    |
| Band14 | 10MHz     | 16QAM      | 23330   | 25RB#0           | -22.82,-32.35 | PASS    |

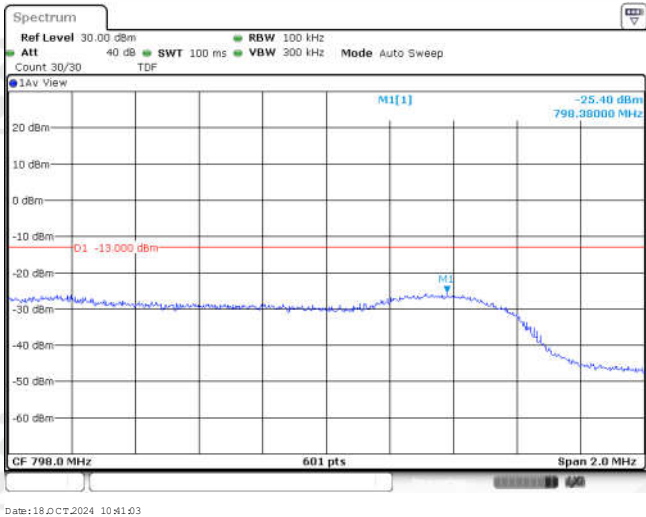


Test Graphs

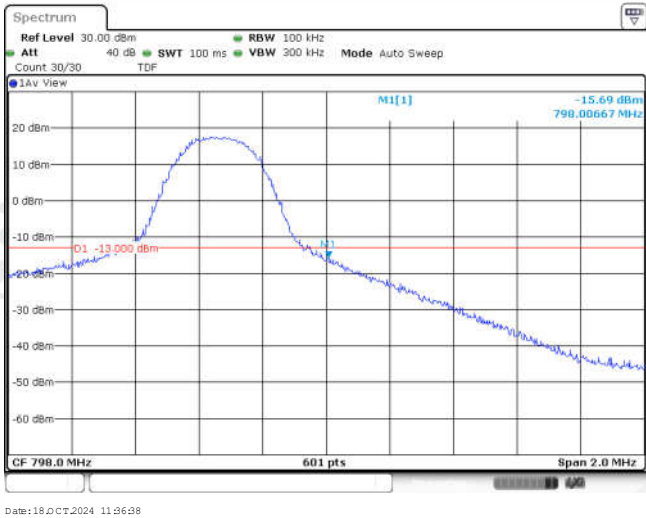




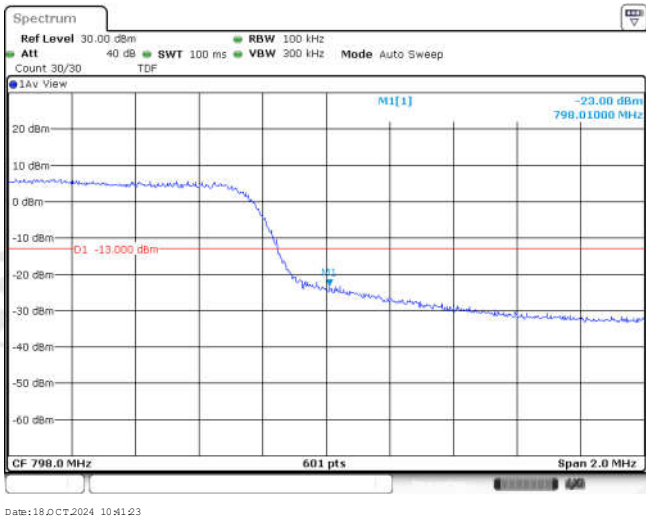
Band14-5MHz-QPSK-23305-25RB#0



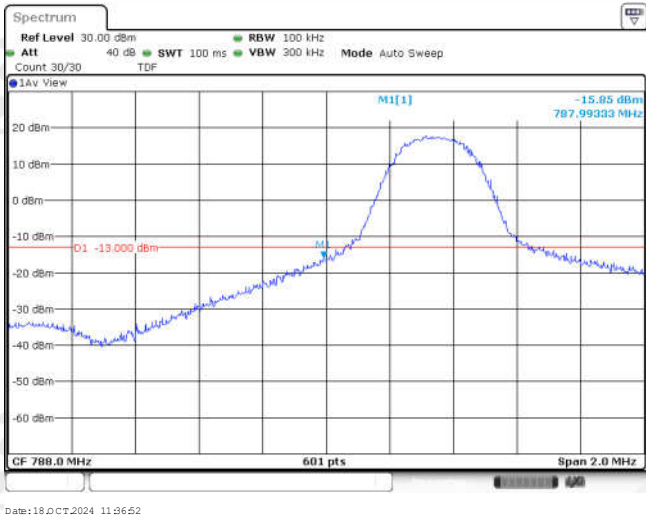
Band14-5MHz-QPSK-23355-1RB#0



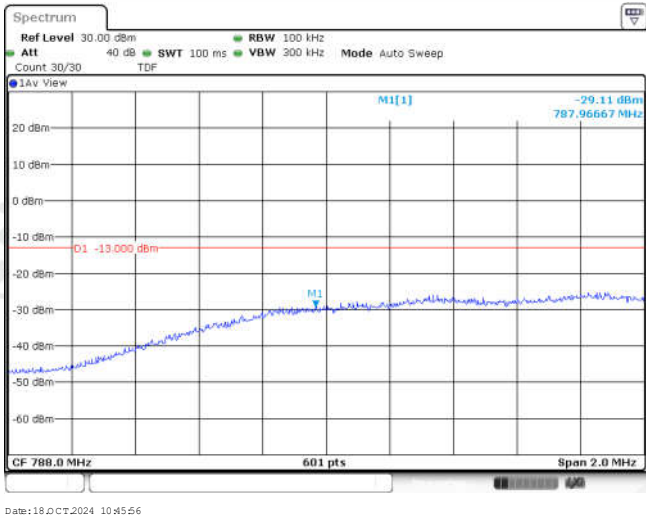
Band14-5MHz-QPSK-23355-1RB#24



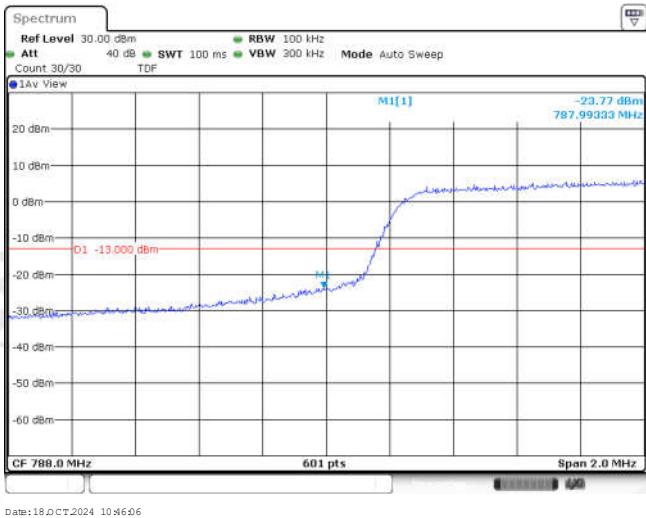
Band14-5MHz-QPSK-23355-25RB#0



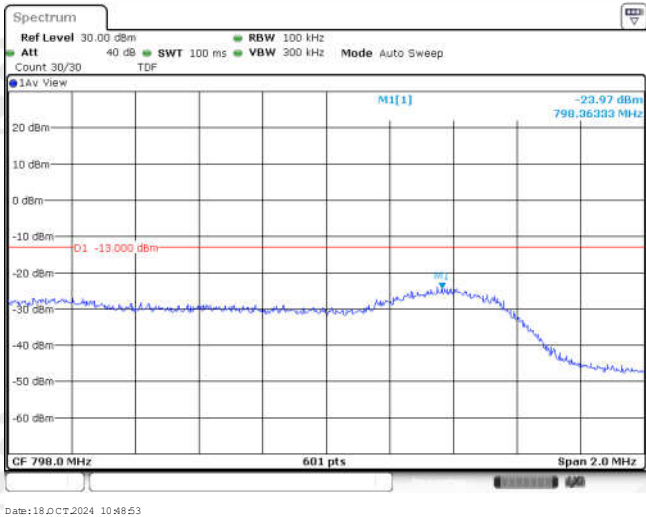
Band14-5MHz-16QAM-23305-1RB#0



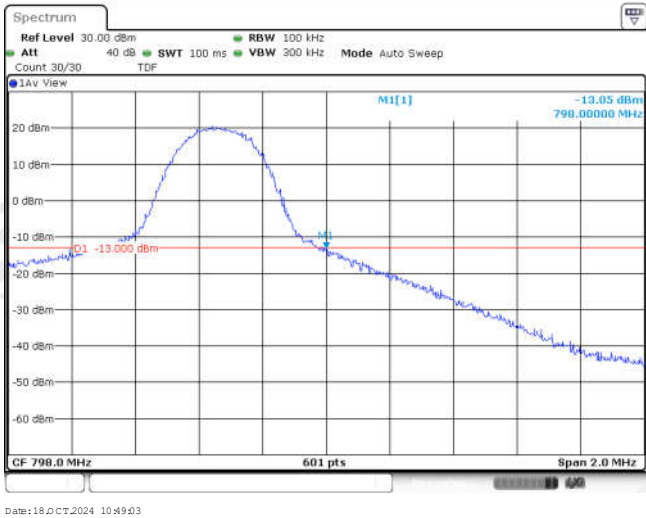
Band14-5MHz-16QAM-23305-1RB#24



Band14-5MHz-16QAM-23305-25RB#0

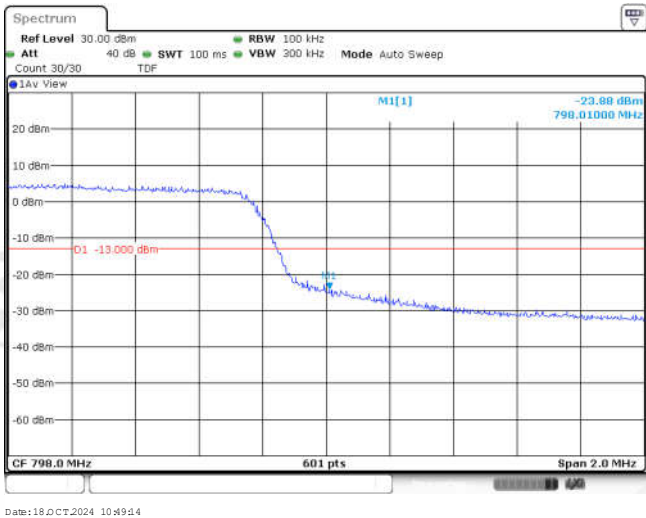


Band14-5MHz-16QAM-23355-1RB#0

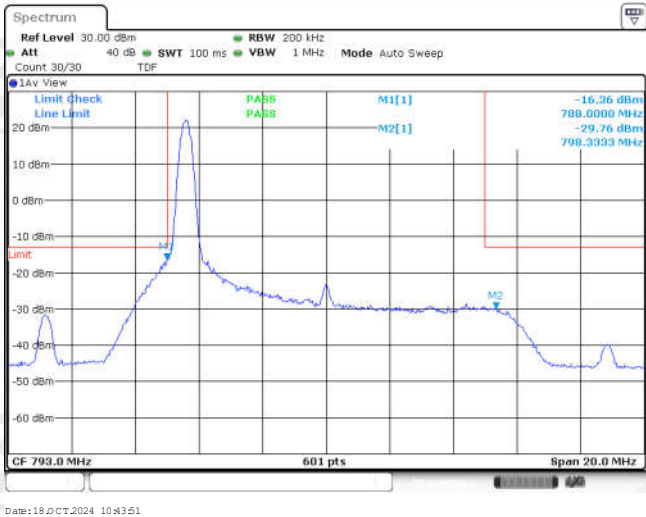


Band14-5MHz-16QAM-23355-1RB#24

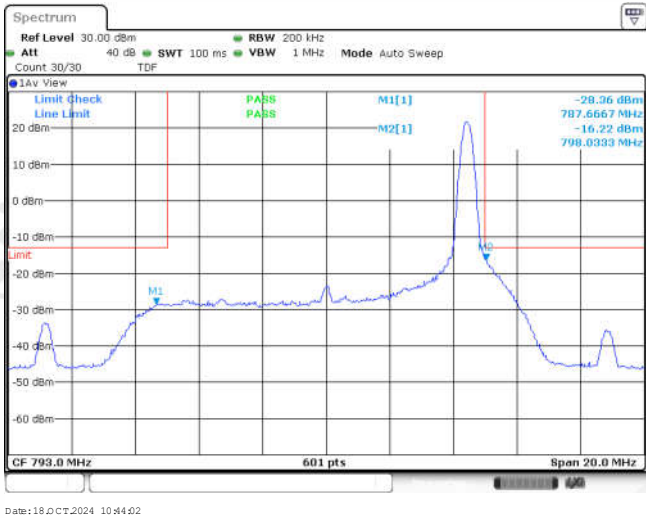




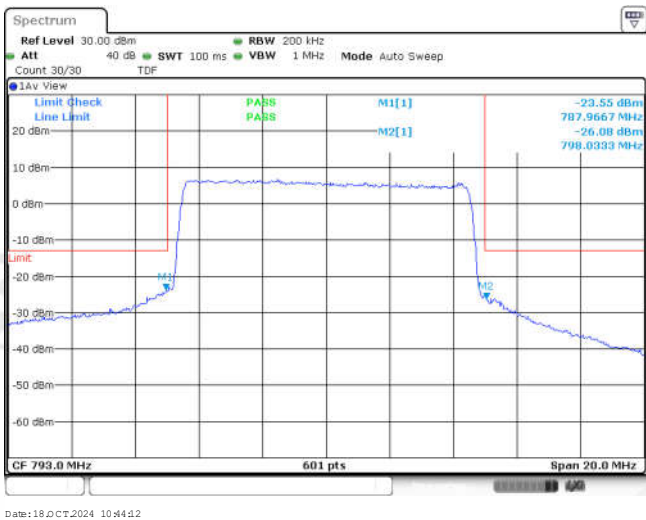
Band14-5MHz-16QAM-23355-25RB#0



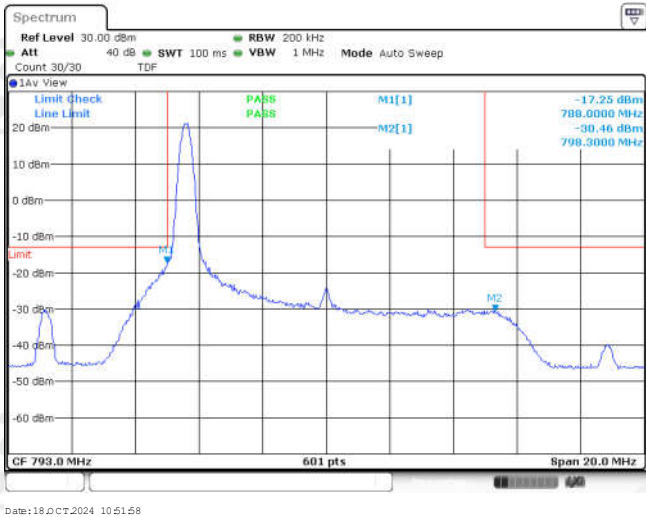
Band14-10MHz-QPSK-23330-1RB#0



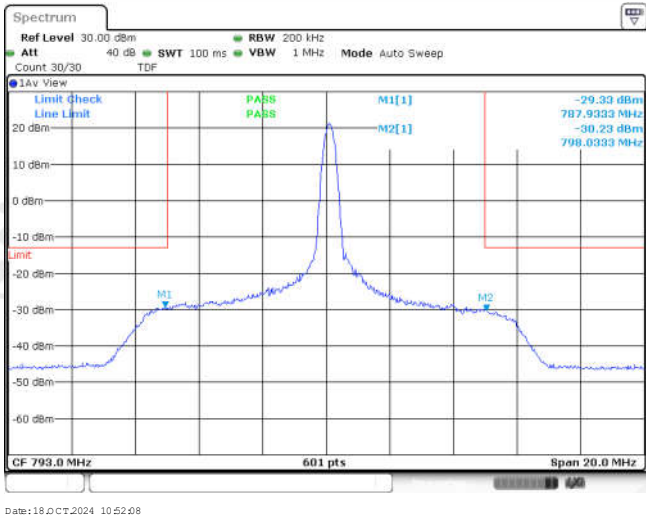
Band14-10MHz-QPSK-23330-1RB#49



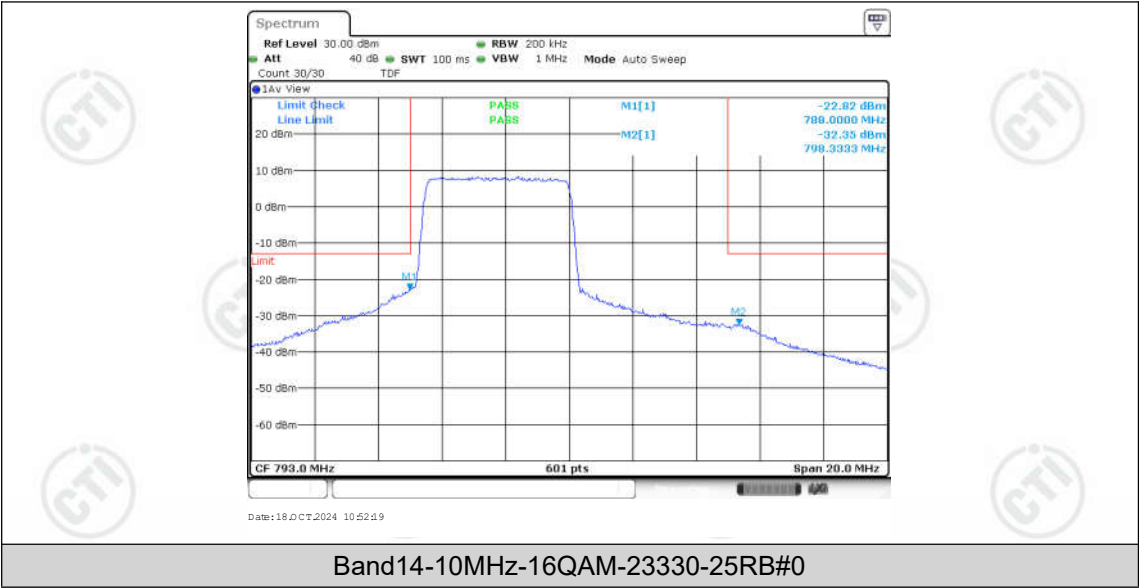
Band14-10MHz-QPSK-23330-50RB#0



Band14-10MHz-16QAM-23330-1RB#0



Band14-10MHz-16QAM-23330-1RB#24



## Appendix E: Conducted Spurious Emission

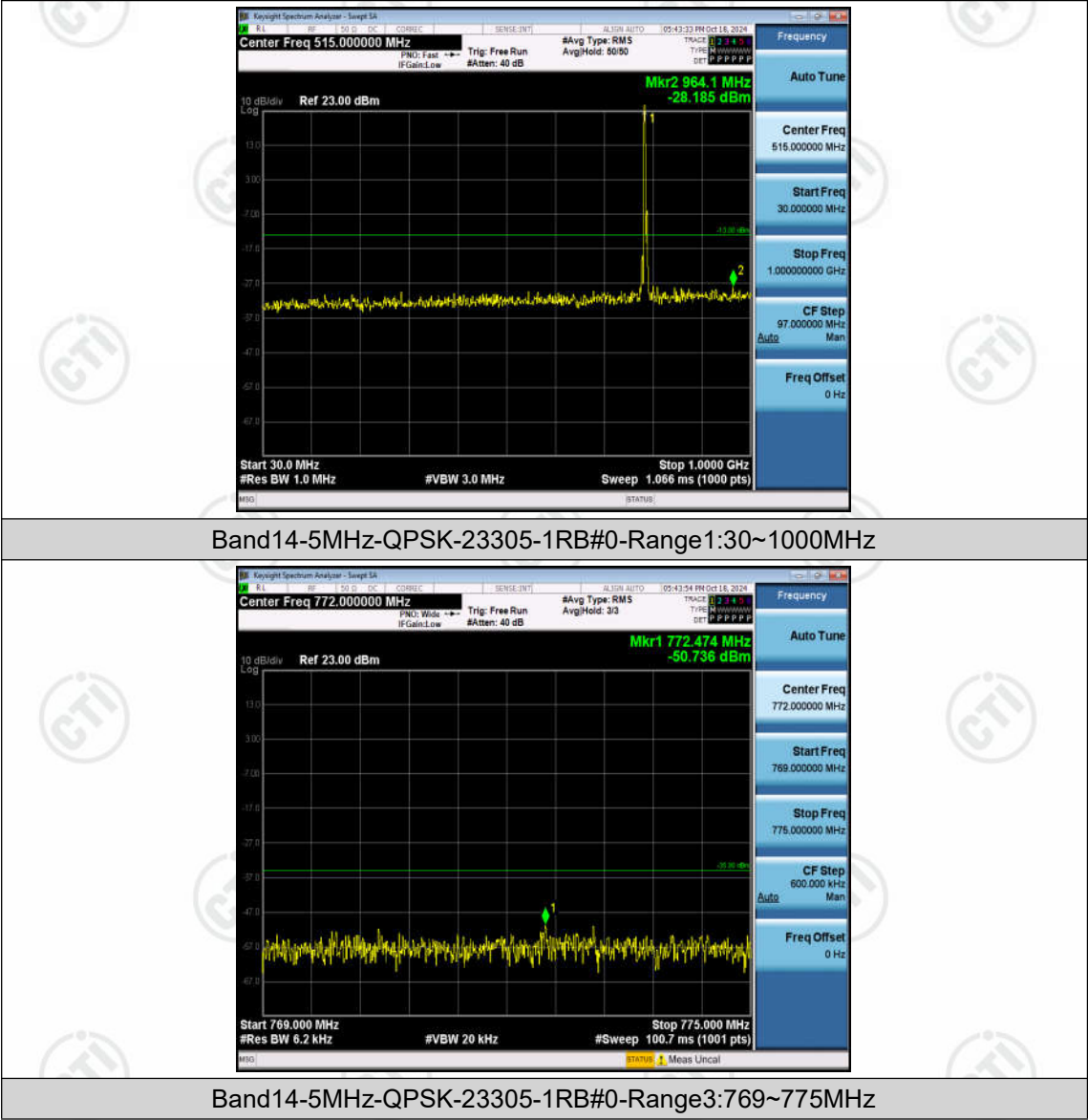
### Test Result

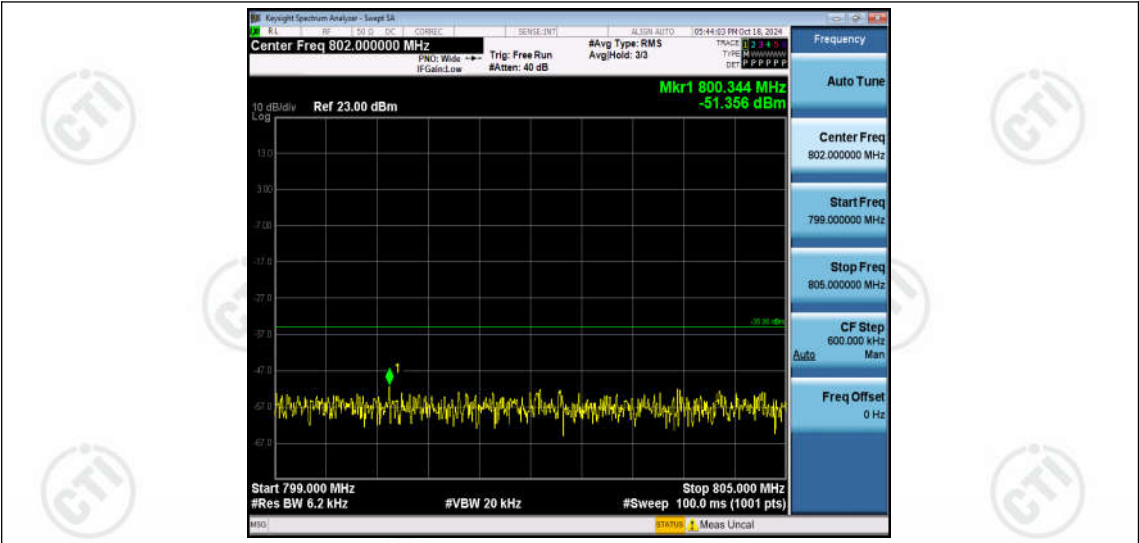
| Band   | Bandwidth | Modulation | Channel | RB Configuration | Frequency Range      | Result (dBm) | Verdict |
|--------|-----------|------------|---------|------------------|----------------------|--------------|---------|
| Band14 | 5MHz      | QPSK       | 23305   | 1RB#0            | Range1:30~1000MHz    | -28.19       | PASS    |
| Band14 | 5MHz      | QPSK       | 23305   | 1RB#0            | Range3:769~775MHz    | -50.74       | PASS    |
| Band14 | 5MHz      | QPSK       | 23305   | 1RB#0            | Range4:799~805MHz    | -51.36       | PASS    |
| Band14 | 5MHz      | QPSK       | 23305   | 1RB#0            | Range2:1000~10000MHz | -41.55       | PASS    |
| Band14 | 5MHz      | QPSK       | 23330   | 1RB#0            | Range1:30~1000MHz    | -27.18       | PASS    |
| Band14 | 5MHz      | QPSK       | 23330   | 1RB#0            | Range3:769~775MHz    | -50.02       | PASS    |
| Band14 | 5MHz      | QPSK       | 23330   | 1RB#0            | Range4:799~805MHz    | -51.6        | PASS    |
| Band14 | 5MHz      | QPSK       | 23330   | 1RB#0            | Range2:1000~10000MHz | -41.03       | PASS    |
| Band14 | 5MHz      | QPSK       | 23355   | 1RB#0            | Range1:30~1000MHz    | -27.02       | PASS    |
| Band14 | 5MHz      | QPSK       | 23355   | 1RB#0            | Range3:769~775MHz    | -51.79       | PASS    |
| Band14 | 5MHz      | QPSK       | 23355   | 1RB#0            | Range4:799~805MHz    | -49.75       | PASS    |
| Band14 | 5MHz      | QPSK       | 23355   | 1RB#0            | Range2:1000~10000MHz | -39.59       | PASS    |
| Band14 | 5MHz      | 16QAM      | 23305   | 1RB#0            | Range1:30~1000MHz    | -28.38       | PASS    |
| Band14 | 5MHz      | 16QAM      | 23305   | 1RB#0            | Range3:769~775MHz    | -51.96       | PASS    |
| Band14 | 5MHz      | 16QAM      | 23305   | 1RB#0            | Range4:799~805MHz    | -51.63       | PASS    |
| Band14 | 5MHz      | 16QAM      | 23305   | 1RB#0            | Range2:1000~10000MHz | -41.43       | PASS    |
| Band14 | 5MHz      | 16QAM      | 23330   | 1RB#0            | Range1:30~1000MHz    | -27.34       | PASS    |



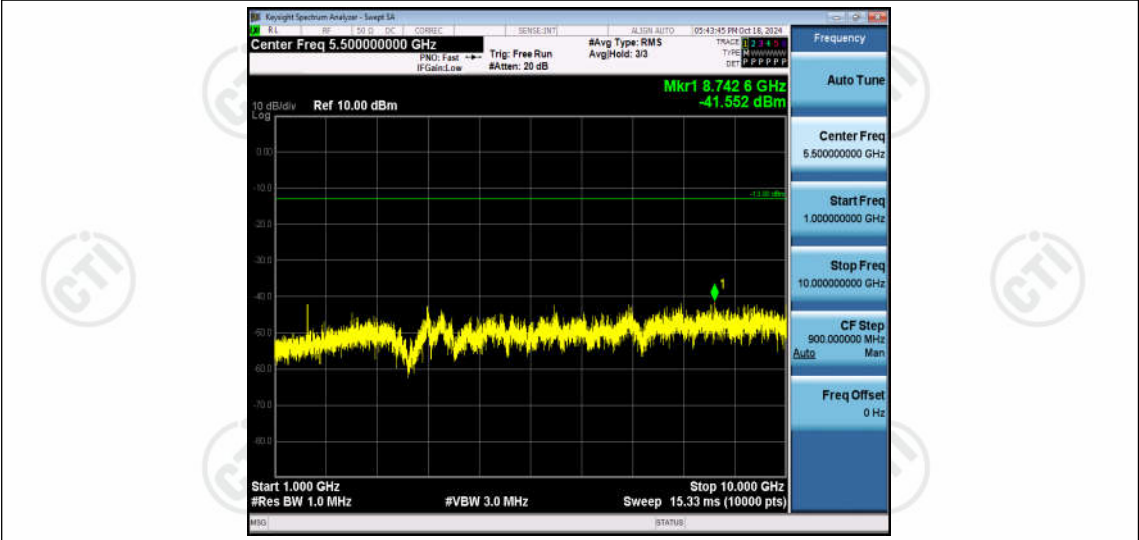
|        |       |       |       |       |                      |        |      |
|--------|-------|-------|-------|-------|----------------------|--------|------|
| Band14 | 5MHz  | 16QAM | 23330 | 1RB#0 | Range3:769~775MHz    | -51.5  | PASS |
| Band14 | 5MHz  | 16QAM | 23330 | 1RB#0 | Range4:799~805MHz    | -51.27 | PASS |
| Band14 | 5MHz  | 16QAM | 23330 | 1RB#0 | Range2:1000~10000MHz | -40.88 | PASS |
| Band14 | 5MHz  | 16QAM | 23355 | 1RB#0 | Range1:30~1000MHz    | -28.69 | PASS |
| Band14 | 5MHz  | 16QAM | 23355 | 1RB#0 | Range3:769~775MHz    | -50.53 | PASS |
| Band14 | 5MHz  | 16QAM | 23355 | 1RB#0 | Range4:799~805MHz    | -49.63 | PASS |
| Band14 | 5MHz  | 16QAM | 23355 | 1RB#0 | Range2:1000~10000MHz | -40.82 | PASS |
| Band14 | 10MHz | QPSK  | 23330 | 1RB#0 | Range1:30~1000MHz    | -28.67 | PASS |
| Band14 | 10MHz | QPSK  | 23330 | 1RB#0 | Range3:769~775MHz    | -51.6  | PASS |
| Band14 | 10MHz | QPSK  | 23330 | 1RB#0 | Range4:799~805MHz    | -38.85 | PASS |
| Band14 | 10MHz | QPSK  | 23330 | 1RB#0 | Range2:1000~10000MHz | -41.15 | PASS |
| Band14 | 10MHz | 16QAM | 23330 | 1RB#0 | Range1:30~1000MHz    | -28.01 | PASS |
| Band14 | 10MHz | 16QAM | 23330 | 1RB#0 | Range3:769~775MHz    | -51    | PASS |
| Band14 | 10MHz | 16QAM | 23330 | 1RB#0 | Range4:799~805MHz    | -40.56 | PASS |
| Band14 | 10MHz | 16QAM | 23330 | 1RB#0 | Range2:1000~10000MHz | -40.86 | PASS |

Test Graphs

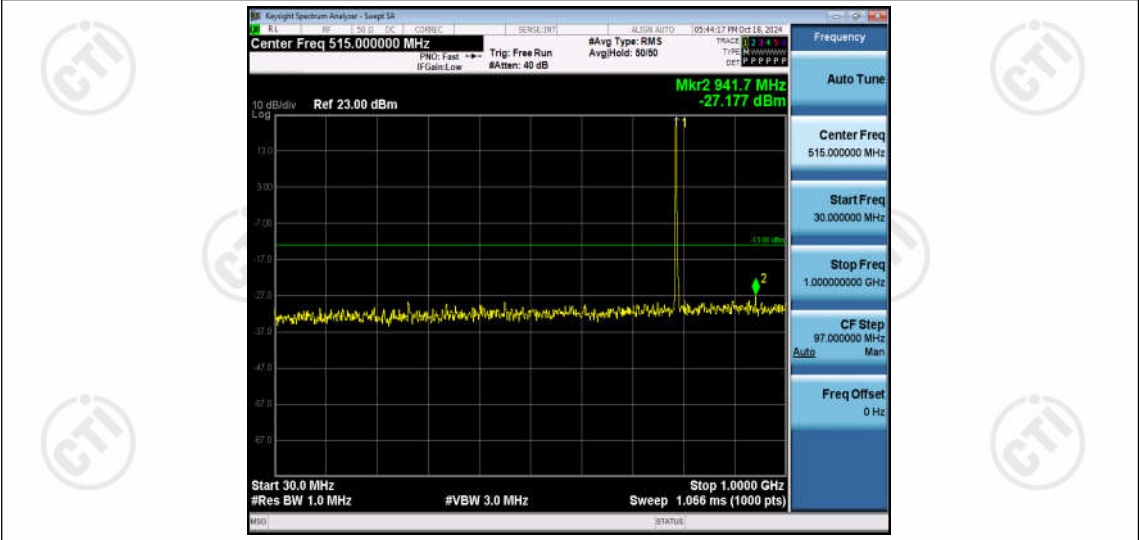




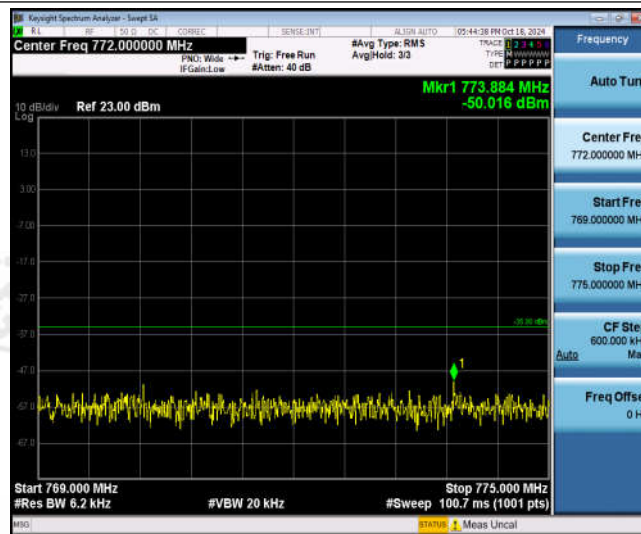
Band14-5MHz-QPSK-23305-1RB#0-Range4:799~805MHz



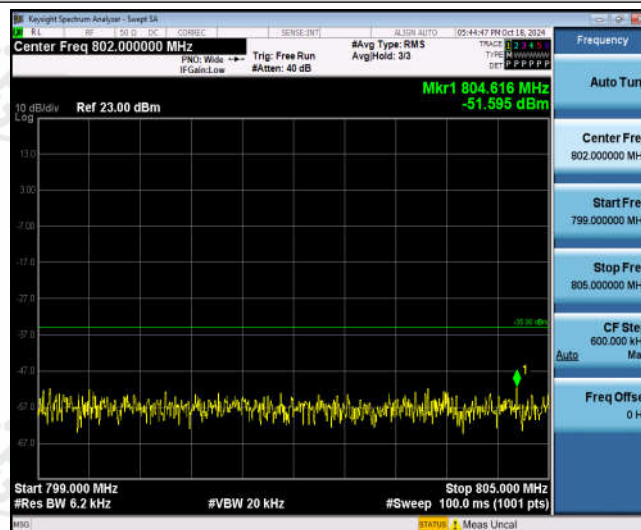
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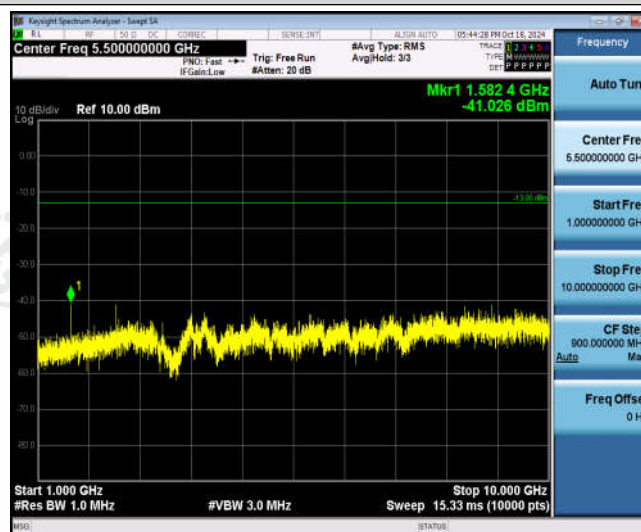
Band14-5MHz-QPSK-23330-1RB#0-Range1:30~1000MHz



Band14-5MHz-QPSK-23330-1RB#0-Range3:769~775MHz

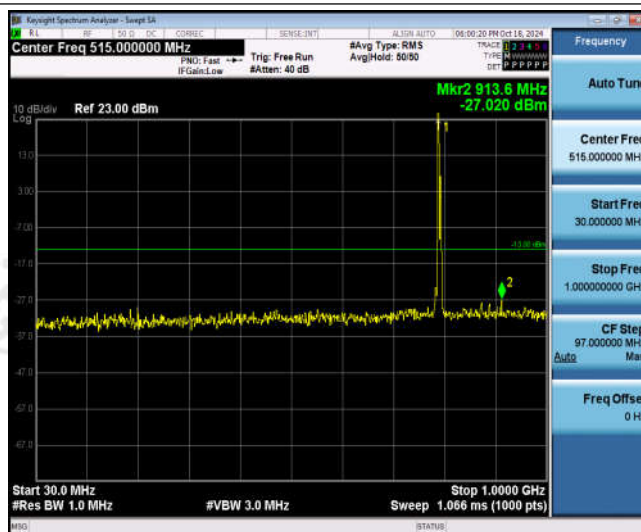


Band14-5MHz-QPSK-23330-1RB#0-Range4:799~805MHz

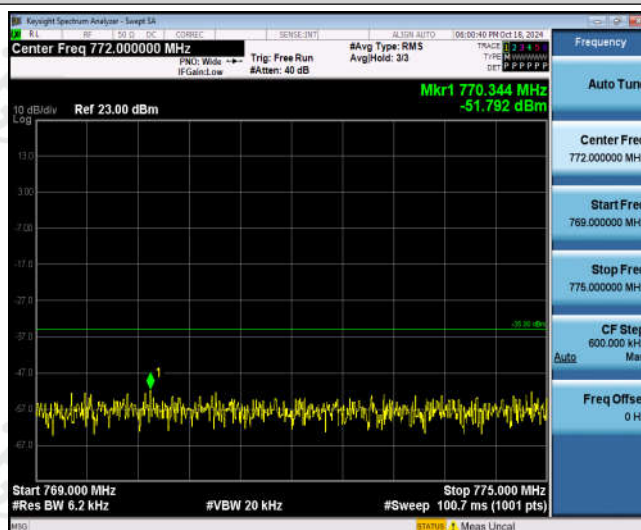


Band14-5MHz-QPSK-23330-1RB#0-Range2:1000~10000MHz

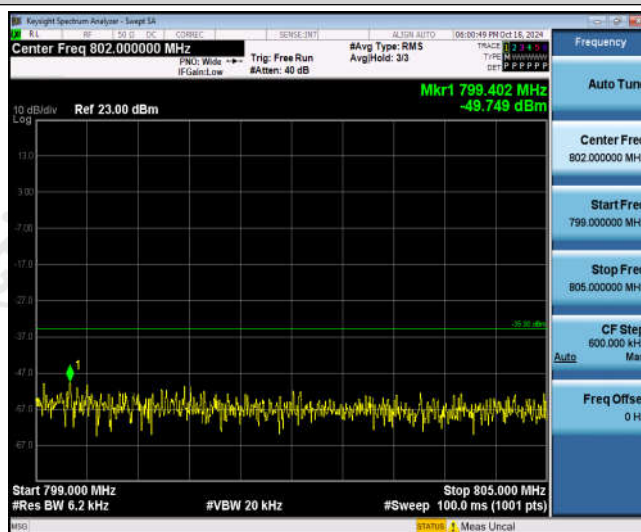




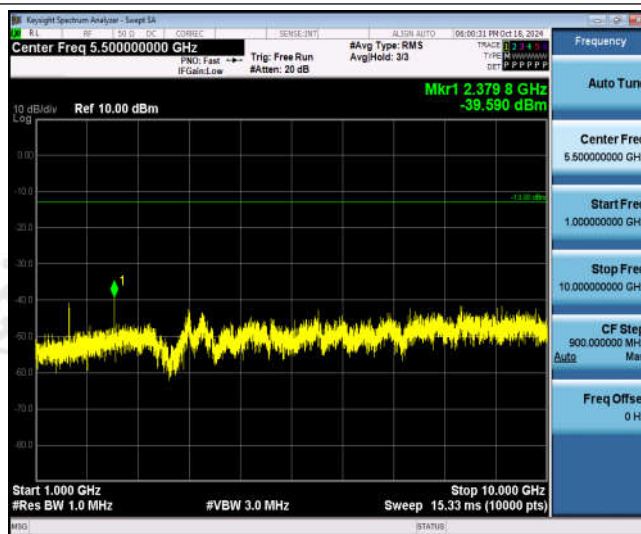
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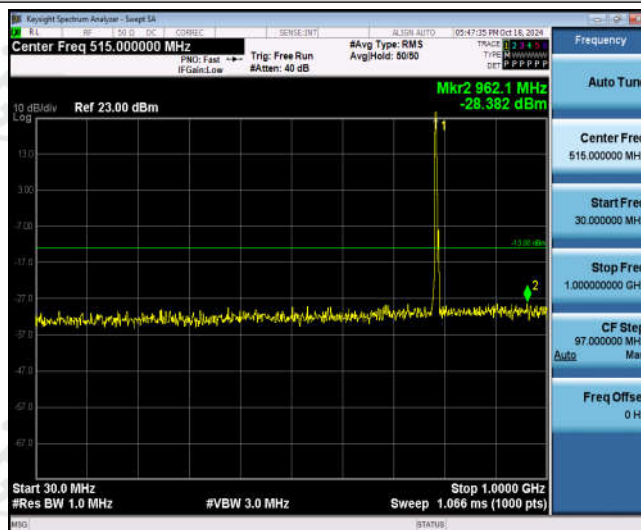
Band14-5MHz-QPSK-23355-1RB#0-Range3:769~775MHz



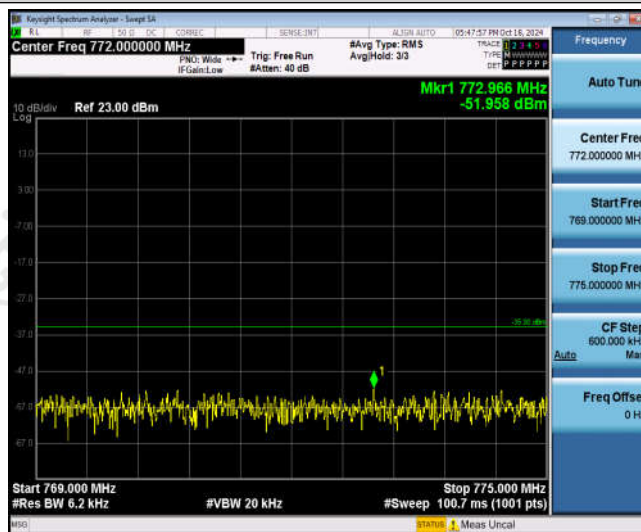
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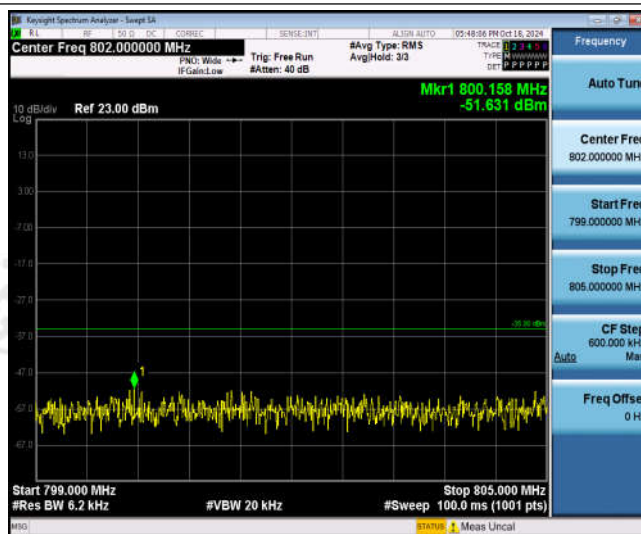
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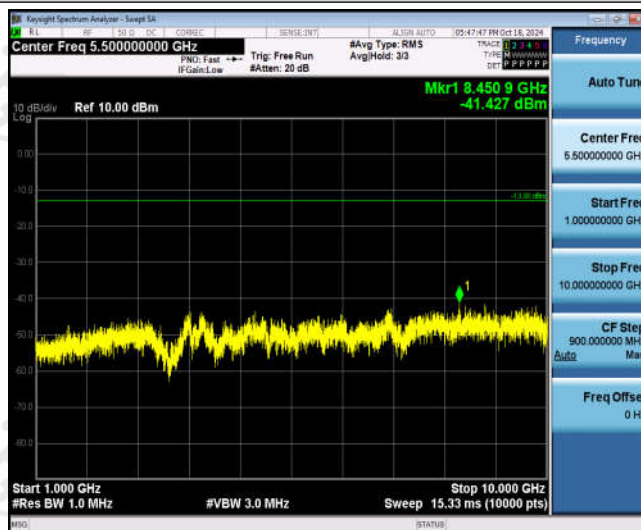
Band14-5MHz-16QAM-23305-1RB#0-Range1:30~1000MHz



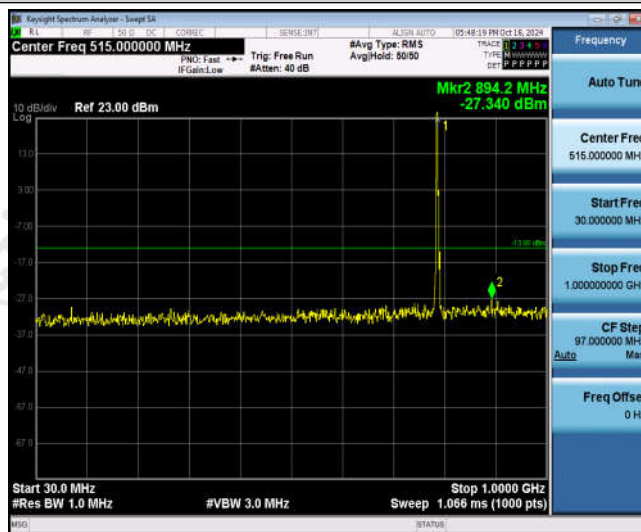
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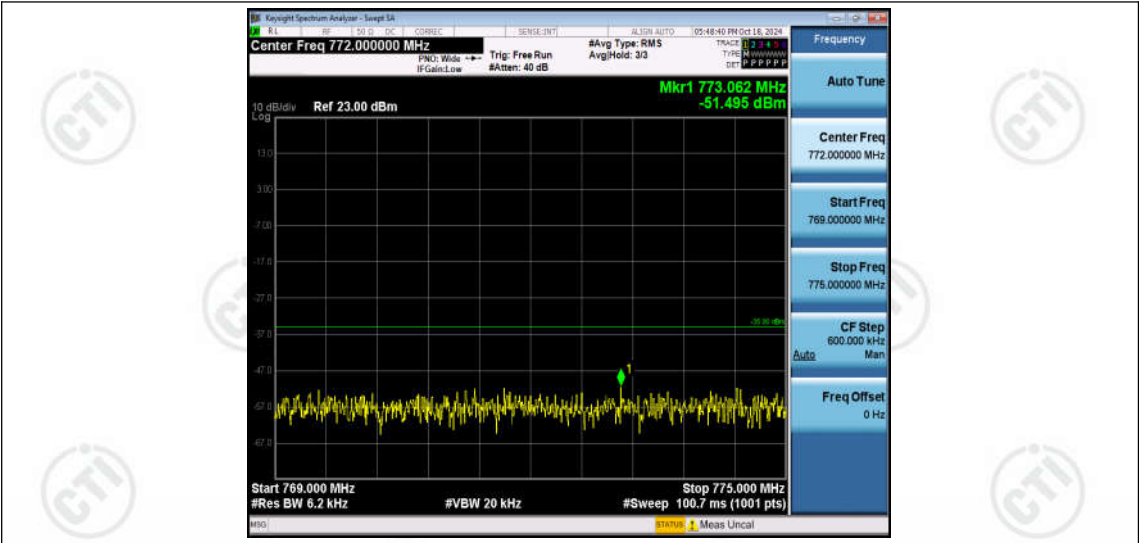
Band14-5MHz-16QAM-23305-1RB#0-Range4:799~805MHz



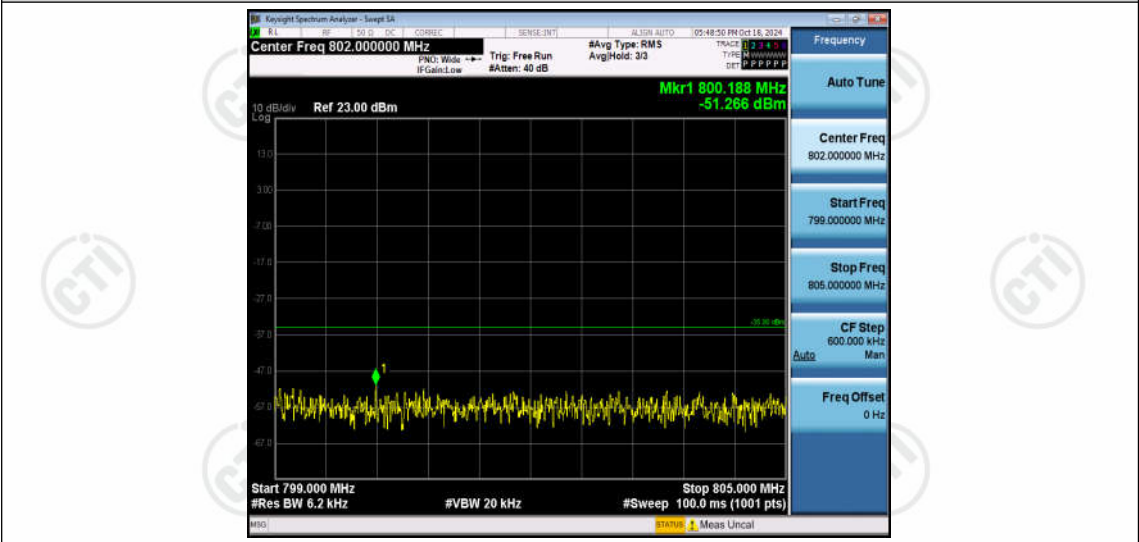
Band14-5MHz-16QAM-23305-1RB#0-Range2:1000~10000MHz



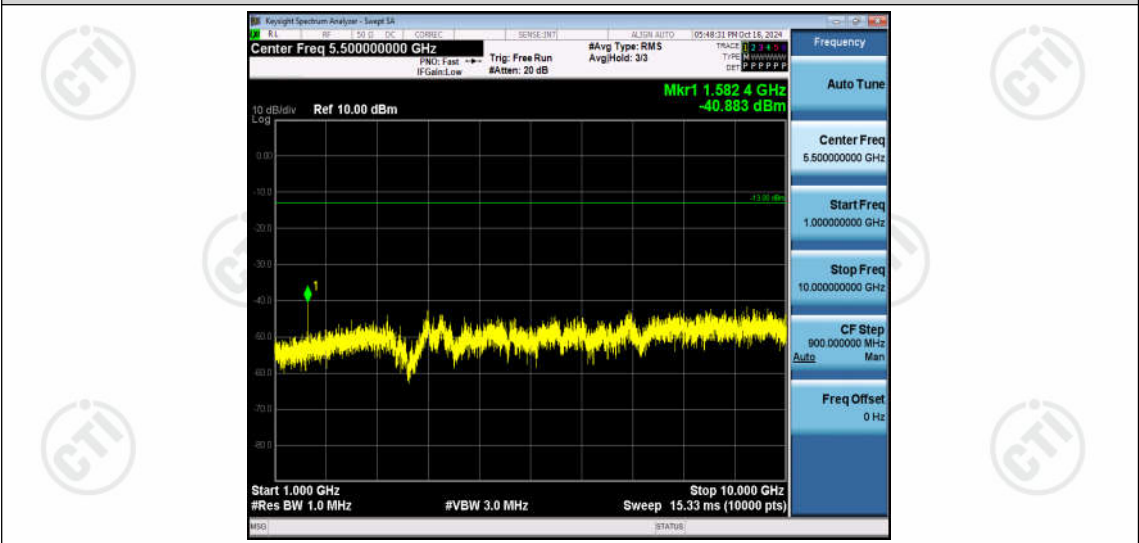
Band14-5MHz-16QAM-23330-1RB#0-Range1:30~1000MHz



Band14-5MHz-16QAM-23330-1RB#0-Range3:769~775MHz

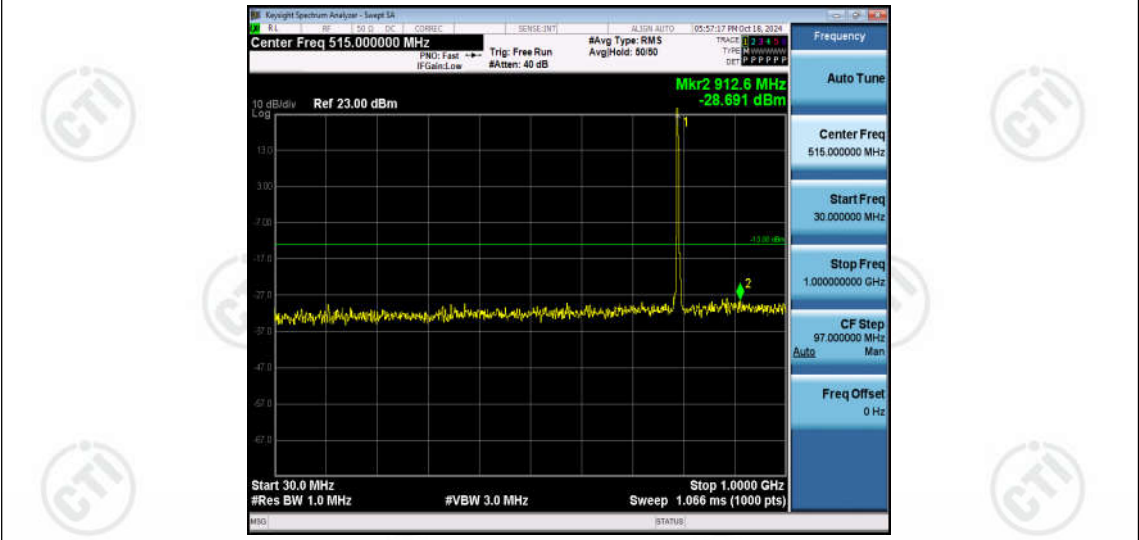


Band14-5MHz-16QAM-23330-1RB#0-Range4:799~805MHz

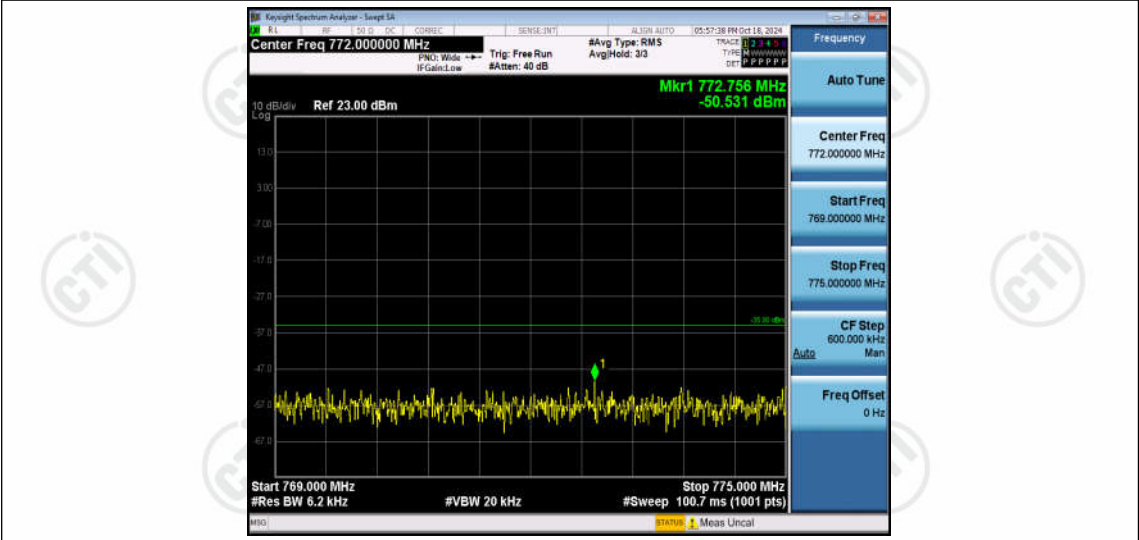


Band14-5MHz-16QAM-23330-1RB#0-Range2:1000~10000MHz

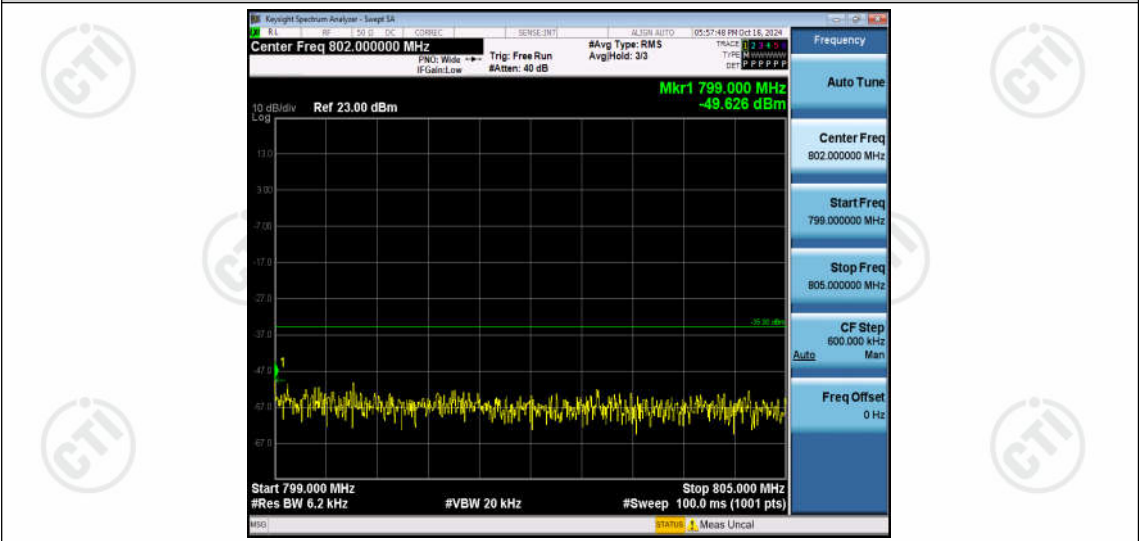




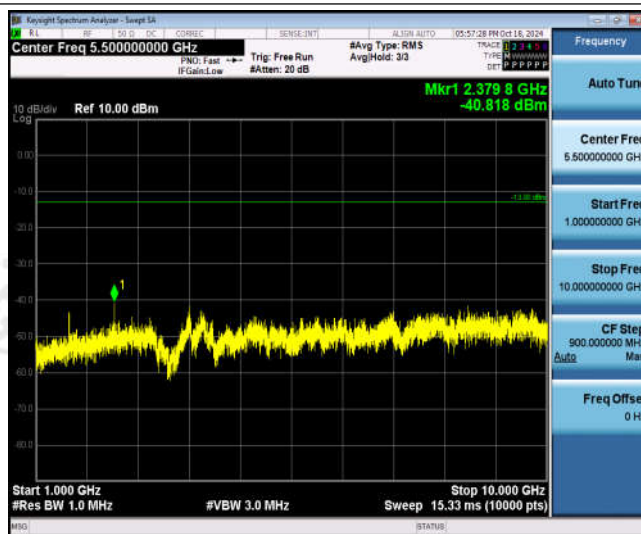
Band14-5MHz-16QAM-23355-1RB#0-Range1:30~1000MHz



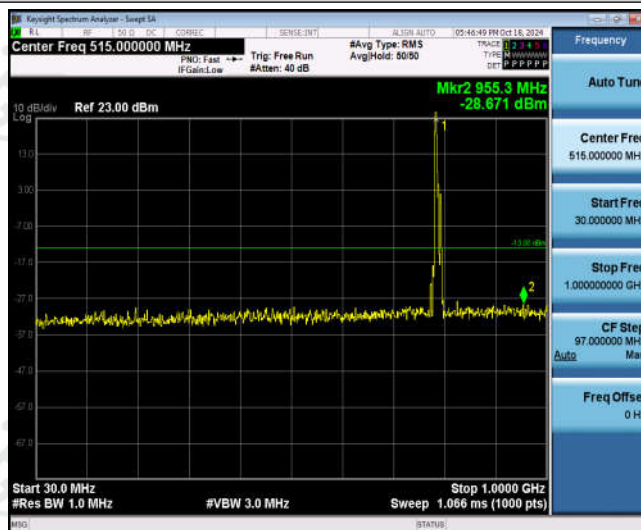
Band14-5MHz-16QAM-23355-1RB#0-Range3:769~775MHz



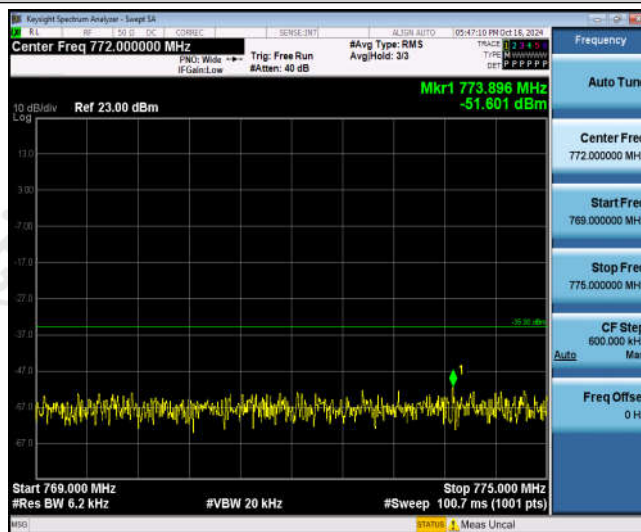
Band14-5MHz-16QAM-23355-1RB#0-Range4:799~805MHz



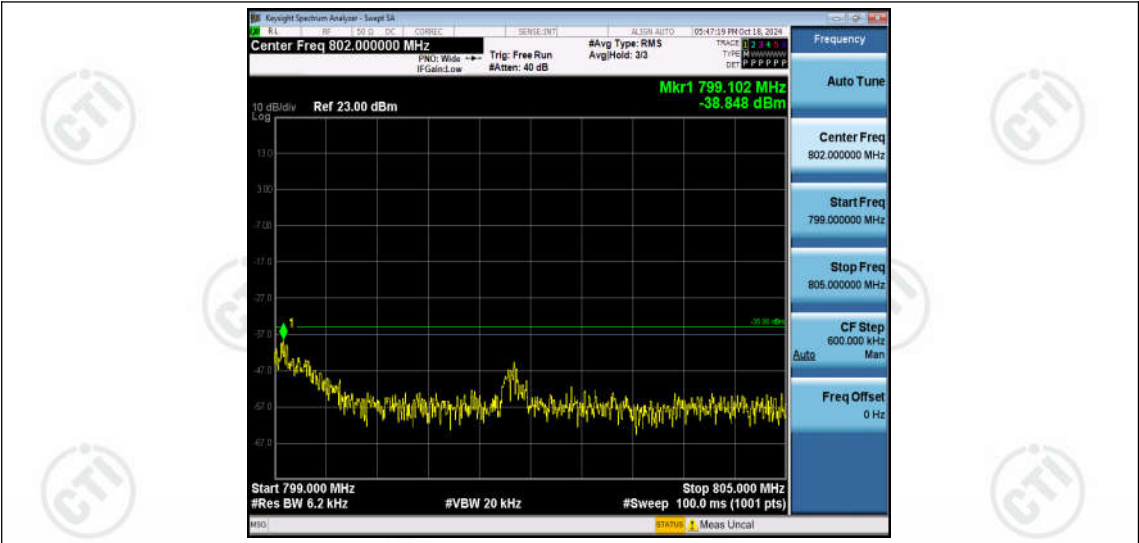
Band14-5MHz-16QAM-23355-1RB#0-Range2:1000~10000MHz



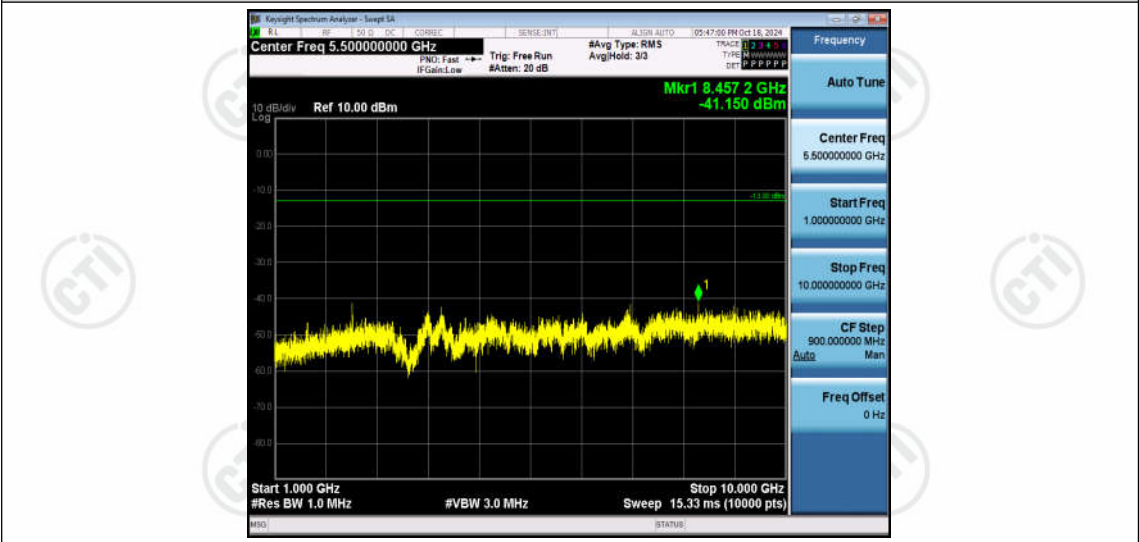
Band14-10MHz-QPSK-23330-1RB#0-Range1:30~1000MHz



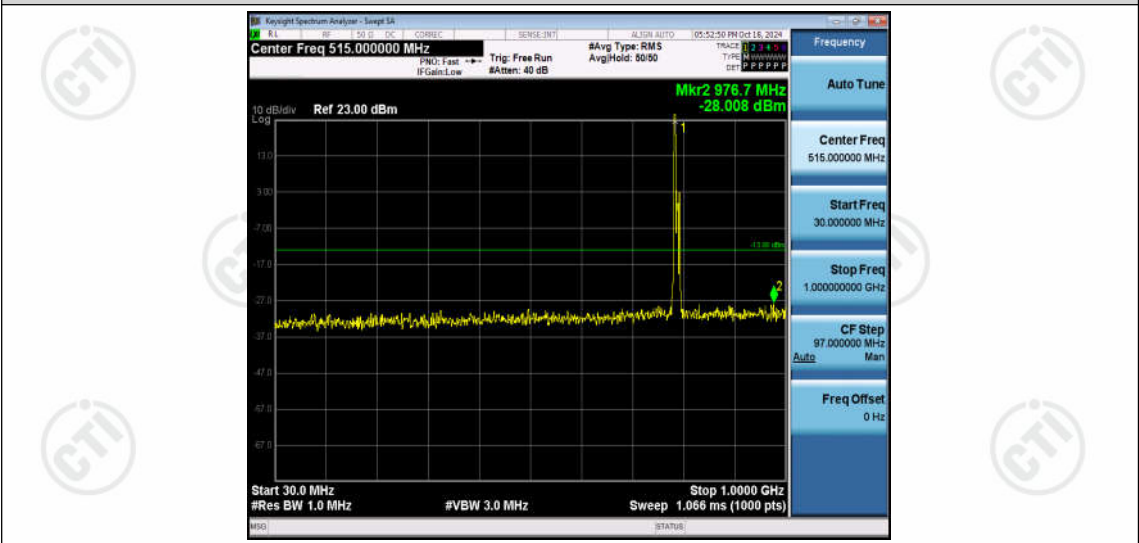
Band14-10MHz-QPSK-23330-1RB#0-Range3:769~775MHz



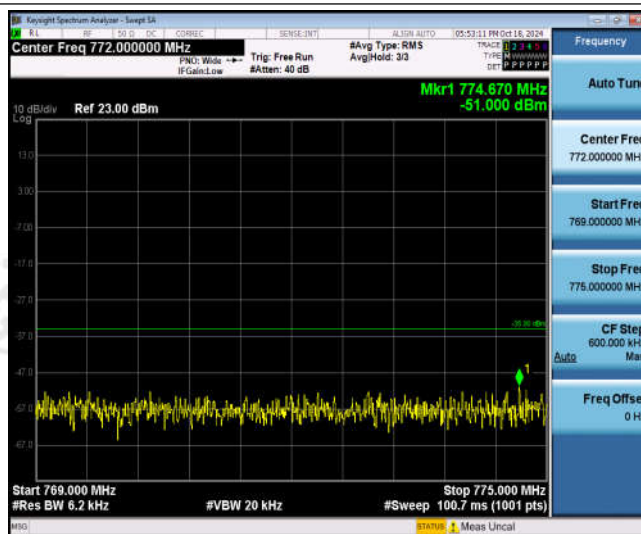
Band14-10MHz-QPSK-23330-1RB#0-Range4:799~805MHz



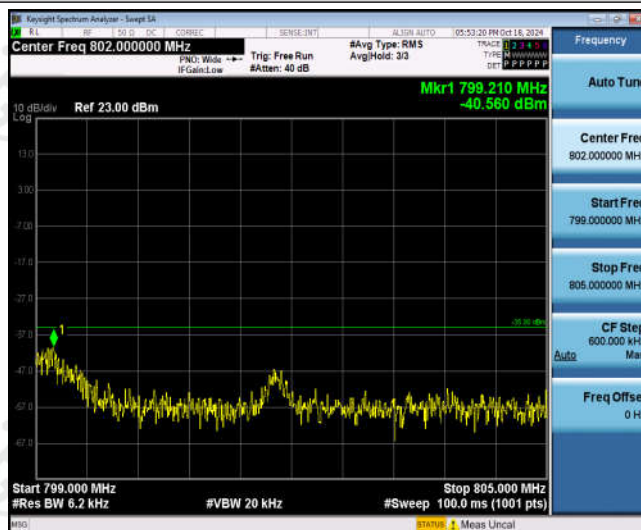
Band14-10MHz-QPSK-23330-1RB#0-Range2:1000~10000MHz



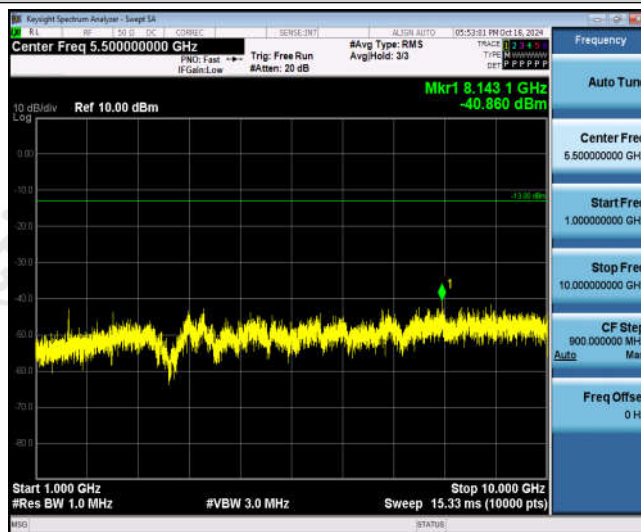
Band14-10MHz-16QAM-23330-1RB#0-Range1:30~1000MHz



Band14-10MHz-16QAM-23330-1RB#0-Range3:769~775MHz



Band14-10MHz-16QAM-23330-1RB#0-Range4:799~805MHz



Band14-10MHz-16QAM-23330-1RB#0-Range2:1000~10000MHz



## Appendix F: Frequency Stability

### Test Result

| Band   | Bandwidth | Modulation | Channel | RB Configure | Voltage       |                  | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
|--------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|-------------|---------|
|        |           |            |         |              | Voltage [Vdc] | Temperature (°C) |                |                 |             |         |
| Band14 | 5MHz      | QPSK       | 23305   | 25RB#0       | VL            | NT               | 4.22           | 0.005338        | ±2.5        | PASS    |
| Band14 | 5MHz      | QPSK       | 23305   | 25RB#0       | VN            | NT               | 2.25           | 0.002846        | ±2.5        | PASS    |
| Band14 | 5MHz      | QPSK       | 23305   | 25RB#0       | VH            | NT               | 4.09           | 0.005174        | ±2.5        | PASS    |
| Band14 | 5MHz      | QPSK       | 23330   | 25RB#0       | VL            | NT               | 2.68           | 0.003380        | ±2.5        | PASS    |
| Band14 | 5MHz      | QPSK       | 23330   | 25RB#0       | VN            | NT               | 4.18           | 0.005271        | ±2.5        | PASS    |
| Band14 | 5MHz      | QPSK       | 23330   | 25RB#0       | VH            | NT               | 1.72           | 0.002169        | ±2.5        | PASS    |
| Band14 | 5MHz      | QPSK       | 23355   | 25RB#0       | VL            | NT               | 3.63           | 0.004563        | ±2.5        | PASS    |
| Band14 | 5MHz      | QPSK       | 23355   | 25RB#0       | VN            | NT               | 2.49           | 0.003130        | ±2.5        | PASS    |
| Band14 | 5MHz      | QPSK       | 23355   | 25RB#0       | VH            | NT               | 3.71           | 0.004664        | ±2.5        | PASS    |
| Band14 | 5MHz      | 16QAM      | 23305   | 25RB#0       | VL            | NT               | -3.92          | -0.004959       | ±2.5        | PASS    |
| Band14 | 5MHz      | 16QAM      | 23305   | 25RB#0       | VN            | NT               | -3.48          | -0.004402       | ±2.5        | PASS    |
| Band14 | 5MHz      | 16QAM      | 23305   | 25RB#0       | VH            | NT               | 2.56           | 0.003238        | ±2.5        | PASS    |
| Band14 | 5MHz      | 16QAM      | 23330   | 25RB#0       | VL            | NT               | 2.35           | 0.002963        | ±2.5        | PASS    |
| Band14 | 5MHz      | 16QAM      | 23330   | 25RB#0       | VN            | NT               | -2.42          | -0.003052       | ±2.5        | PASS    |
| Band14 | 5MHz      | 16QAM      | 23330   | 25RB#0       | VH            | NT               | -2.23          | -0.002812       | ±2.5        | PASS    |
| Band14 | 5MHz      | 16QAM      | 23355   | 25RB#0       | VL            | NT               | 4.48           | 0.005632        | ±2.5        | PASS    |
| Band14 | 5MHz      | 16QAM      | 23355   | 25RB#0       | VN            | NT               | 3.05           | 0.003834        | ±2.5        | PASS    |
| Band14 | 5MHz      | 16QAM      | 23355   | 25RB#0       | VH            | NT               | 3.45           | 0.004337        | ±2.5        | PASS    |
| Band14 | 10MHz     | QPSK       | 23330   | 50RB#0       | VL            | NT               | -2.85          | -0.003594       | ±2.5        | PASS    |
| Band14 | 10MHz     | QPSK       | 23330   | 50RB#0       | VN            | NT               | -3.29          | -0.004149       | ±2.5        | PASS    |
| Band14 | 10MHz     | QPSK       | 23330   | 50RB#0       | VH            | NT               | -4.39          | -0.005536       | ±2.5        | PASS    |
| Band14 | 10MHz     | 16QAM      | 23330   | 25RB#0       | VL            | NT               | 2.57           | 0.003241        | ±2.5        | PASS    |
| Band14 | 10MHz     | 16QAM      | 23330   | 25RB#0       | VN            | NT               | 3.36           | 0.004237        | ±2.5        | PASS    |
| Band14 | 10MHz     | 16QAM      | 23330   | 25RB#0       | VH            | NT               | 3.23           | 0.004073        | ±2.5        | PASS    |

| Temperature |           |            |         |                  |               |                  |                |                 |             |         |
|-------------|-----------|------------|---------|------------------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band        | Bandwidth | Modulation | Channel | RB Configuration | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| Band14      | 5MHz      | QPSK       | 23305   | 25RB#0           | NV            | -30              | 2.02           | 0.002555        | ±2.5        | PASS    |
| Band14      | 5MHz      | QPSK       | 23305   | 25RB#0           | NV            | -20              | 3.79           | 0.004794        | ±2.5        | PASS    |
| Band14      | 5MHz      | QPSK       | 23305   | 25RB#0           | NV            | 0                | 3.03           | 0.003833        | ±2.5        | PASS    |
| Band14      | 5MHz      | QPSK       | 23305   | 25RB#0           | NV            | 10               | 2.69           | 0.003403        | ±2.5        | PASS    |
| Band14      | 5MHz      | QPSK       | 23305   | 25RB#0           | NV            | 20               | 3.85           | 0.004870        | ±2.5        | PASS    |
| Band14      | 5MHz      | QPSK       | 23330   | 25RB#0           | NV            | -30              | 2.50           | 0.003153        | ±2.5        | PASS    |
| Band14      | 5MHz      | QPSK       | 23330   | 25RB#0           | NV            | -20              | 3.81           | 0.004805        | ±2.5        | PASS    |
| Band14      | 5MHz      | QPSK       | 23330   | 25RB#0           | NV            | 0                | 2.39           | 0.003014        | ±2.5        | PASS    |
| Band14      | 5MHz      | QPSK       | 23330   | 25RB#0           | NV            | 10               | 2.12           | 0.002673        | ±2.5        | PASS    |
| Band14      | 5MHz      | QPSK       | 23330   | 25RB#0           | NV            | 20               | 3.15           | 0.003972        | ±2.5        | PASS    |
| Band14      | 5MHz      | QPSK       | 23355   | 25RB#0           | NV            | -30              | 3.26           | 0.004098        | ±2.5        | PASS    |
| Band14      | 5MHz      | QPSK       | 23355   | 25RB#0           | NV            | -20              | 3.42           | 0.004299        | ±2.5        | PASS    |
| Band14      | 5MHz      | QPSK       | 23355   | 25RB#0           | NV            | 0                | 4.79           | 0.006021        | ±2.5        | PASS    |
| Band14      | 5MHz      | QPSK       | 23355   | 25RB#0           | NV            | 10               | 4.12           | 0.005179        | ±2.5        | PASS    |
| Band14      | 5MHz      | QPSK       | 23355   | 25RB#0           | NV            | 20               | 4.76           | 0.005984        | ±2.5        | PASS    |
| Band14      | 5MHz      | 16QAM      | 23305   | 25RB#0           | NV            | -30              | -2.02          | -0.002555       | ±2.5        | PASS    |
| Band14      | 5MHz      | 16QAM      | 23305   | 25RB#0           | NV            | -20              | -3.98          | -0.005035       | ±2.5        | PASS    |
| Band14      | 5MHz      | 16QAM      | 23305   | 25RB#0           | NV            | 0                | 2.13           | 0.002694        | ±2.5        | PASS    |
| Band14      | 5MHz      | 16QAM      | 23305   | 25RB#0           | NV            | 10               | -1.27          | -0.001607       | ±2.5        | PASS    |
| Band14      | 5MHz      | 16QAM      | 23305   | 25RB#0           | NV            | 20               | -1.69          | -0.002138       | ±2.5        | PASS    |
| Band14      | 5MHz      | 16QAM      | 23330   | 25RB#0           | NV            | -30              | 2.88           | 0.003632        | ±2.5        | PASS    |
| Band14      | 5MHz      | 16QAM      | 23330   | 25RB#0           | NV            | -20              | -2.93          | -0.003695       | ±2.5        | PASS    |
| Band14      | 5MHz      | 16QAM      | 23330   | 25RB#0           | NV            | 0                | -2.19          | -0.002762       | ±2.5        | PASS    |
| Band14      | 5MHz      | 16QAM      | 23330   | 25RB#0           | NV            | 10               | -1.69          | -0.002131       | ±2.5        | PASS    |
| Band14      | 5MHz      | 16QAM      | 23330   | 25RB#0           | NV            | 20               | 1.59           | 0.002005        | ±2.5        | PASS    |
| Band14      | 5MHz      | 16QAM      | 23355   | 25RB#0           | NV            | -30              | 3.10           | 0.003897        | ±2.5        | PASS    |
| Band14      | 5MHz      | 16QAM      | 23355   | 25RB#0           | NV            | -20              | 3.42           | 0.004299        | ±2.5        | PASS    |
| Band14      | 5MHz      | 16QAM      | 23355   | 25RB#0           | NV            | 0                | 2.10           | 0.002640        | ±2.5        | PASS    |
| Band14      | 5MHz      | 16QAM      | 23355   | 25RB#0           | NV            | 10               | -2.59          | -0.003256       | ±2.5        | PASS    |
| Band14      | 5MHz      | 16QAM      | 23355   | 25RB#0           | NV            | 20               | 4.16           | 0.005229        | ±2.5        | PASS    |
| Band14      | 10MHz     | QPSK       | 23330   | 50RB#0           | NV            | -30              | -3.83          | -0.004830       | ±2.5        | PASS    |
| Band14      | 10MHz     | QPSK       | 23330   | 50RB#0           | NV            | -20              | -1.12          | -0.001412       | ±2.5        | PASS    |
| Band14      | 10MHz     | QPSK       | 23330   | 50RB#0           | NV            | 0                | 2.93           | 0.003695        | ±2.5        | PASS    |

|        |           |       |       |        |    |     |       |           |      |      |
|--------|-----------|-------|-------|--------|----|-----|-------|-----------|------|------|
| Band14 | 10MH<br>z | QPSK  | 23330 | 50RB#0 | NV | 10  | -1.89 | -0.002383 | ±2.5 | PASS |
| Band14 | 10MH<br>z | QPSK  | 23330 | 50RB#0 | NV | 20  | 3.12  | 0.003934  | ±2.5 | PASS |
| Band14 | 10MH<br>z | 16QAM | 23330 | 25RB#0 | NV | -30 | 2.66  | 0.003354  | ±2.5 | PASS |
| Band14 | 10MH<br>z | 16QAM | 23330 | 25RB#0 | NV | -20 | 3.49  | 0.004401  | ±2.5 | PASS |
| Band14 | 10MH<br>z | 16QAM | 23330 | 25RB#0 | NV | 0   | 3.22  | 0.004061  | ±2.5 | PASS |
| Band14 | 10MH<br>z | 16QAM | 23330 | 25RB#0 | NV | 10  | 4.05  | 0.005107  | ±2.5 | PASS |
| Band14 | 10MH<br>z | 16QAM | 23330 | 25RB#0 | NV | 20  | 3.53  | 0.004451  | ±2.5 | PASS |

\*\*\*END OF REPORT\*\*\*