

# **LTE Band5**

## **QPSK/16QAM Test Data**

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

### Test Result

| Band  | Bandwidth | Modulation | Channel | RB Configuration | Result(dBm) | Verdict |
|-------|-----------|------------|---------|------------------|-------------|---------|
| Band5 | 1.4MHz    | QPSK       | 20407   | 1RB#0            | 22.80       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20407   | 1RB#2            | 22.83       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20407   | 1RB#5            | 22.77       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20407   | 3RB#0            | 22.77       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20407   | 3RB#1            | 22.78       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20407   | 3RB#3            | 22.79       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20407   | 6RB#0            | 21.76       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 1RB#0            | 22.86       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 1RB#2            | 22.93       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 1RB#5            | 22.87       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 3RB#0            | 22.87       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 3RB#1            | 22.86       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 3RB#3            | 22.86       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 6RB#0            | 21.88       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 1RB#0            | 22.86       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 1RB#2            | 22.87       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 1RB#5            | 22.88       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 3RB#0            | 22.82       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 3RB#1            | 22.79       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 3RB#3            | 22.82       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 6RB#0            | 21.80       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 1RB#0            | 21.99       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 1RB#2            | 22.06       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 1RB#5            | 21.96       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 3RB#0            | 21.69       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 3RB#1            | 21.70       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 3RB#3            | 21.66       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 6RB#0            | 20.82       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20525   | 1RB#0            | 22.02       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20525   | 1RB#2            | 22.16       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20525   | 1RB#5            | 22.09       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20525   | 3RB#0            | 21.77       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20525   | 3RB#1            | 21.77       | PASS    |

|       |        |       |       |        |       |      |
|-------|--------|-------|-------|--------|-------|------|
| Band5 | 1.4MHz | 16QAM | 20525 | 3RB#3  | 21.80 | PASS |
| Band5 | 1.4MHz | 16QAM | 20525 | 6RB#0  | 20.79 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 1RB#0  | 21.72 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 1RB#2  | 21.90 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 1RB#5  | 21.60 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 3RB#0  | 21.68 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 3RB#1  | 21.63 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 3RB#3  | 21.62 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 6RB#0  | 20.80 | PASS |
| Band5 | 3MHz   | QPSK  | 20415 | 1RB#0  | 22.85 | PASS |
| Band5 | 3MHz   | QPSK  | 20415 | 1RB#8  | 22.82 | PASS |
| Band5 | 3MHz   | QPSK  | 20415 | 1RB#14 | 22.81 | PASS |
| Band5 | 3MHz   | QPSK  | 20415 | 8RB#0  | 21.85 | PASS |
| Band5 | 3MHz   | QPSK  | 20415 | 8RB#4  | 21.85 | PASS |
| Band5 | 3MHz   | QPSK  | 20415 | 8RB#7  | 21.86 | PASS |
| Band5 | 3MHz   | QPSK  | 20415 | 15RB#0 | 21.84 | PASS |
| Band5 | 3MHz   | QPSK  | 20525 | 1RB#0  | 22.97 | PASS |
| Band5 | 3MHz   | QPSK  | 20525 | 1RB#8  | 22.91 | PASS |
| Band5 | 3MHz   | QPSK  | 20525 | 1RB#14 | 22.91 | PASS |
| Band5 | 3MHz   | QPSK  | 20525 | 8RB#0  | 22.01 | PASS |
| Band5 | 3MHz   | QPSK  | 20525 | 8RB#4  | 22.03 | PASS |
| Band5 | 3MHz   | QPSK  | 20525 | 8RB#7  | 21.97 | PASS |
| Band5 | 3MHz   | QPSK  | 20525 | 15RB#0 | 21.94 | PASS |
| Band5 | 3MHz   | QPSK  | 20635 | 1RB#0  | 22.93 | PASS |
| Band5 | 3MHz   | QPSK  | 20635 | 1RB#8  | 22.89 | PASS |
| Band5 | 3MHz   | QPSK  | 20635 | 1RB#14 | 22.80 | PASS |
| Band5 | 3MHz   | QPSK  | 20635 | 8RB#0  | 21.95 | PASS |
| Band5 | 3MHz   | QPSK  | 20635 | 8RB#4  | 21.96 | PASS |
| Band5 | 3MHz   | QPSK  | 20635 | 8RB#7  | 21.92 | PASS |
| Band5 | 3MHz   | QPSK  | 20635 | 15RB#0 | 21.93 | PASS |
| Band5 | 3MHz   | 16QAM | 20415 | 1RB#0  | 22.05 | PASS |
| Band5 | 3MHz   | 16QAM | 20415 | 1RB#8  | 21.95 | PASS |
| Band5 | 3MHz   | 16QAM | 20415 | 1RB#14 | 21.91 | PASS |
| Band5 | 3MHz   | 16QAM | 20415 | 8RB#0  | 20.93 | PASS |
| Band5 | 3MHz   | 16QAM | 20415 | 8RB#4  | 20.90 | PASS |
| Band5 | 3MHz   | 16QAM | 20415 | 8RB#7  | 20.89 | PASS |
| Band5 | 3MHz   | 16QAM | 20415 | 15RB#0 | 20.90 | PASS |

|       |      |       |       |         |       |      |
|-------|------|-------|-------|---------|-------|------|
| Band5 | 3MHz | 16QAM | 20525 | 1RB#0   | 22.16 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 1RB#8   | 22.17 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 1RB#14  | 22.11 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 8RB#0   | 20.99 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 8RB#4   | 20.98 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 8RB#7   | 20.94 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 15RB#0  | 20.85 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 1RB#0   | 21.80 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 1RB#8   | 21.85 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 1RB#14  | 21.80 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 8RB#0   | 20.96 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 8RB#4   | 20.96 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 8RB#7   | 20.91 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 15RB#0  | 20.80 | PASS |
| Band5 | 5MHz | QPSK  | 20425 | 1RB#0   | 22.97 | PASS |
| Band5 | 5MHz | QPSK  | 20425 | 1RB#12  | 23.01 | PASS |
| Band5 | 5MHz | QPSK  | 20425 | 1RB#24  | 23.00 | PASS |
| Band5 | 5MHz | QPSK  | 20425 | 12RB#0  | 21.87 | PASS |
| Band5 | 5MHz | QPSK  | 20425 | 12RB#6  | 21.86 | PASS |
| Band5 | 5MHz | QPSK  | 20425 | 12RB#13 | 21.96 | PASS |
| Band5 | 5MHz | QPSK  | 20425 | 25RB#0  | 21.85 | PASS |
| Band5 | 5MHz | QPSK  | 20525 | 1RB#0   | 23.05 | PASS |
| Band5 | 5MHz | QPSK  | 20525 | 1RB#12  | 23.06 | PASS |
| Band5 | 5MHz | QPSK  | 20525 | 1RB#24  | 22.95 | PASS |
| Band5 | 5MHz | QPSK  | 20525 | 12RB#0  | 22.02 | PASS |
| Band5 | 5MHz | QPSK  | 20525 | 12RB#6  | 22.00 | PASS |
| Band5 | 5MHz | QPSK  | 20525 | 12RB#13 | 21.91 | PASS |
| Band5 | 5MHz | QPSK  | 20525 | 25RB#0  | 21.95 | PASS |
| Band5 | 5MHz | QPSK  | 20625 | 1RB#0   | 22.95 | PASS |
| Band5 | 5MHz | QPSK  | 20625 | 1RB#12  | 22.97 | PASS |
| Band5 | 5MHz | QPSK  | 20625 | 1RB#24  | 22.86 | PASS |
| Band5 | 5MHz | QPSK  | 20625 | 12RB#0  | 21.96 | PASS |
| Band5 | 5MHz | QPSK  | 20625 | 12RB#6  | 21.96 | PASS |
| Band5 | 5MHz | QPSK  | 20625 | 12RB#13 | 21.91 | PASS |
| Band5 | 5MHz | QPSK  | 20625 | 25RB#0  | 21.95 | PASS |
| Band5 | 5MHz | 16QAM | 20425 | 1RB#0   | 22.06 | PASS |
| Band5 | 5MHz | 16QAM | 20425 | 1RB#12  | 21.98 | PASS |

|       |       |       |       |         |       |      |
|-------|-------|-------|-------|---------|-------|------|
| Band5 | 5MHz  | 16QAM | 20425 | 1RB#24  | 22.00 | PASS |
| Band5 | 5MHz  | 16QAM | 20425 | 12RB#0  | 20.89 | PASS |
| Band5 | 5MHz  | 16QAM | 20425 | 12RB#6  | 20.90 | PASS |
| Band5 | 5MHz  | 16QAM | 20425 | 12RB#13 | 20.91 | PASS |
| Band5 | 5MHz  | 16QAM | 20425 | 25RB#0  | 20.91 | PASS |
| Band5 | 5MHz  | 16QAM | 20525 | 1RB#0   | 22.34 | PASS |
| Band5 | 5MHz  | 16QAM | 20525 | 1RB#12  | 22.27 | PASS |
| Band5 | 5MHz  | 16QAM | 20525 | 1RB#24  | 22.19 | PASS |
| Band5 | 5MHz  | 16QAM | 20525 | 12RB#0  | 21.06 | PASS |
| Band5 | 5MHz  | 16QAM | 20525 | 12RB#6  | 21.07 | PASS |
| Band5 | 5MHz  | 16QAM | 20525 | 12RB#13 | 21.01 | PASS |
| Band5 | 5MHz  | 16QAM | 20525 | 25RB#0  | 20.97 | PASS |
| Band5 | 5MHz  | 16QAM | 20625 | 1RB#0   | 21.91 | PASS |
| Band5 | 5MHz  | 16QAM | 20625 | 1RB#12  | 22.07 | PASS |
| Band5 | 5MHz  | 16QAM | 20625 | 1RB#24  | 21.97 | PASS |
| Band5 | 5MHz  | 16QAM | 20625 | 12RB#0  | 20.99 | PASS |
| Band5 | 5MHz  | 16QAM | 20625 | 12RB#6  | 20.97 | PASS |
| Band5 | 5MHz  | 16QAM | 20625 | 12RB#13 | 20.95 | PASS |
| Band5 | 5MHz  | 16QAM | 20625 | 25RB#0  | 20.95 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 1RB#0   | 22.83 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 1RB#24  | 22.90 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 1RB#49  | 22.85 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 25RB#0  | 21.84 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 25RB#12 | 21.87 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 25RB#25 | 21.90 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 50RB#0  | 21.94 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 1RB#0   | 23.01 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 1RB#24  | 22.99 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 1RB#49  | 22.82 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 25RB#0  | 22.01 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 25RB#12 | 22.02 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 25RB#25 | 21.96 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 50RB#0  | 21.99 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 1RB#0   | 22.95 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 1RB#24  | 22.89 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 1RB#49  | 22.83 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 25RB#0  | 21.95 | PASS |

|       |       |       |       |         |       |      |
|-------|-------|-------|-------|---------|-------|------|
| Band5 | 10MHz | QPSK  | 20600 | 25RB#12 | 21.91 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 25RB#25 | 21.93 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 50RB#0  | 21.88 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 1RB#0   | 22.07 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 1RB#24  | 22.04 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 1RB#49  | 22.06 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 25RB#0  | 20.87 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 25RB#12 | 20.87 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 25RB#25 | 20.93 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 50RB#0  | 20.91 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 1RB#0   | 22.29 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 1RB#24  | 22.18 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 1RB#49  | 22.11 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 25RB#0  | 21.07 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 25RB#12 | 21.07 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 25RB#25 | 21.00 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 50RB#0  | 21.01 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 1RB#0   | 21.96 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 1RB#24  | 21.80 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 1RB#49  | 21.84 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 25RB#0  | 20.95 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 25RB#12 | 20.96 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 25RB#25 | 21.00 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 50RB#0  | 20.89 | PASS |

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

### Test Result

| Band  | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|-------|-----------|------------|---------|------------------|------------|-----------|---------|
| Band5 | 1.4MHz    | QPSK       | 20407   | 6RB#0            | 5.26       | 13        | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 6RB#0            | 5.37       | 13        | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 6RB#0            | 4.94       | 13        | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 6RB#0            | 6.09       | 13        | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20525   | 6RB#0            | 6.17       | 13        | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20643   | 6RB#0            | 5.86       | 13        | PASS    |
| Band5 | 3MHz      | QPSK       | 20415   | 15RB#0           | 5.15       | 13        | PASS    |
| Band5 | 3MHz      | QPSK       | 20525   | 15RB#0           | 5.27       | 13        | PASS    |
| Band5 | 3MHz      | QPSK       | 20635   | 15RB#0           | 4.91       | 13        | PASS    |
| Band5 | 3MHz      | 16QAM      | 20415   | 15RB#0           | 6.08       | 13        | PASS    |
| Band5 | 3MHz      | 16QAM      | 20525   | 15RB#0           | 6.16       | 13        | PASS    |
| Band5 | 3MHz      | 16QAM      | 20635   | 15RB#0           | 5.85       | 13        | PASS    |
| Band5 | 5MHz      | QPSK       | 20425   | 25RB#0           | 5.16       | 13        | PASS    |
| Band5 | 5MHz      | QPSK       | 20525   | 25RB#0           | 5.31       | 13        | PASS    |
| Band5 | 5MHz      | QPSK       | 20625   | 25RB#0           | 4.95       | 13        | PASS    |
| Band5 | 5MHz      | 16QAM      | 20425   | 25RB#0           | 6.05       | 13        | PASS    |
| Band5 | 5MHz      | 16QAM      | 20525   | 25RB#0           | 6.17       | 13        | PASS    |
| Band5 | 5MHz      | 16QAM      | 20625   | 25RB#0           | 5.79       | 13        | PASS    |
| Band5 | 10MHz     | QPSK       | 20450   | 50RB#0           | 5.25       | 13        | PASS    |
| Band5 | 10MHz     | QPSK       | 20525   | 50RB#0           | 5.26       | 13        | PASS    |
| Band5 | 10MHz     | QPSK       | 20600   | 50RB#0           | 5.07       | 13        | PASS    |
| Band5 | 10MHz     | 16QAM      | 20450   | 50RB#0           | 6.09       | 13        | PASS    |
| Band5 | 10MHz     | 16QAM      | 20525   | 50RB#0           | 6.10       | 13        | PASS    |
| Band5 | 10MHz     | 16QAM      | 20600   | 50RB#0           | 5.92       | 13        | PASS    |

## Test Graphs

Band5-1.4MHz-QPSK-20407-6RB#0



Band5-1.4MHz-QPSK-20525-6RB#0



Band5-1.4MHz-QPSK-20643-6RB#0



Band5-1.4MHz-16QAM-20407-6RB#0



Band5-1.4MHz-16QAM-20525-6RB#0



Band5-1.4MHz-16QAM-20643-6RB#0



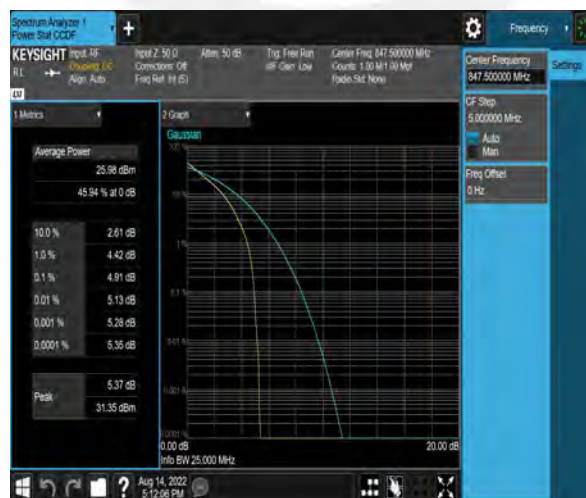
Band5-3MHz-QPSK-20415-15RB#0



Band5-3MHz-QPSK-20525-15RB#0



Band5-3MHz-QPSK-20635-15RB#0



Band5-3MHz-16QAM-20415-15RB#0



Band5-3MHz-16QAM-20525-15RB#0



Band5-3MHz-16QAM-20635-15RB#0



Band5-5MHz-QPSK-20425-25RB#0



Band5-5MHz-QPSK-20525-25RB#0



Band5-5MHz-QPSK-20625-25RB#0



Band5-5MHz-16QAM-20425-25RB#0



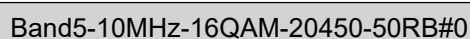
Band5-5MHz-16QAM-20525-25RB#0



Band5-5MHz-16QAM-20625-25RB#0



Band5-10MHz-QPSK-20450-50RB#0





Band5-10MHz-16QAM-20525-50RB#0



Band5-10MHz-16QAM-20600-50RB#0



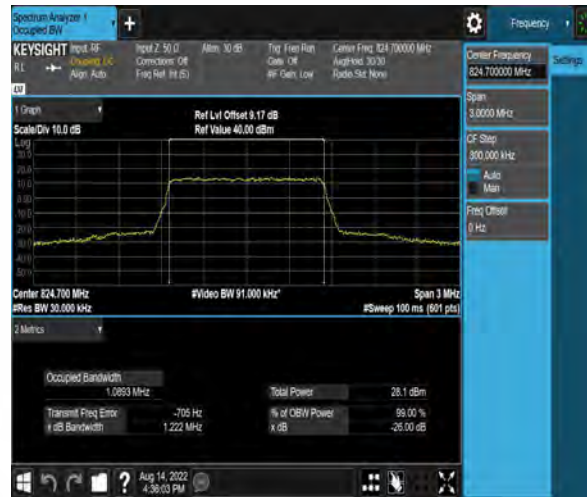
## Appendix C: 26dB Bandwidth and Occupied Bandwidth

### Test Result

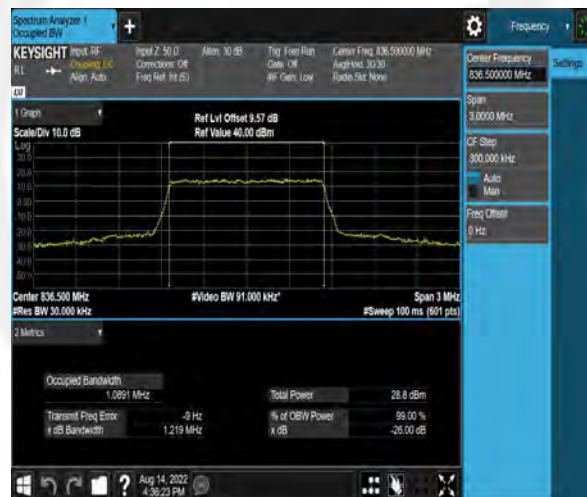
| Band  | Bandwidth | Modulation | Channel | RB Configuration | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|-------|-----------|------------|---------|------------------|--------------------------|----------------------|---------|
| Band5 | 1.4MHz    | QPSK       | 20407   | 6RB#0            | 1.0893                   | 1.222                | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 6RB#0            | 1.0891                   | 1.219                | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 6RB#0            | 1.0915                   | 1.224                | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 6RB#0            | 1.0900                   | 1.228                | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20525   | 6RB#0            | 1.0908                   | 1.227                | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20643   | 6RB#0            | 1.0882                   | 1.225                | PASS    |
| Band5 | 3MHz      | QPSK       | 20415   | 15RB#0           | 2.6864                   | 2.906                | PASS    |
| Band5 | 3MHz      | QPSK       | 20525   | 15RB#0           | 2.6916                   | 2.920                | PASS    |
| Band5 | 3MHz      | QPSK       | 20635   | 15RB#0           | 2.7002                   | 2.922                | PASS    |
| Band5 | 3MHz      | 16QAM      | 20415   | 15RB#0           | 2.6889                   | 2.914                | PASS    |
| Band5 | 3MHz      | 16QAM      | 20525   | 15RB#0           | 2.6914                   | 2.920                | PASS    |
| Band5 | 3MHz      | 16QAM      | 20635   | 15RB#0           | 2.6915                   | 2.932                | PASS    |
| Band5 | 5MHz      | QPSK       | 20425   | 25RB#0           | 4.4970                   | 4.852                | PASS    |
| Band5 | 5MHz      | QPSK       | 20525   | 25RB#0           | 4.5023                   | 4.879                | PASS    |
| Band5 | 5MHz      | QPSK       | 20625   | 25RB#0           | 4.4972                   | 4.843                | PASS    |
| Band5 | 5MHz      | 16QAM      | 20425   | 25RB#0           | 4.5005                   | 4.846                | PASS    |
| Band5 | 5MHz      | 16QAM      | 20525   | 25RB#0           | 4.5023                   | 4.835                | PASS    |
| Band5 | 5MHz      | 16QAM      | 20625   | 25RB#0           | 4.5010                   | 4.884                | PASS    |
| Band5 | 10MHz     | QPSK       | 20450   | 50RB#0           | 8.9735                   | 9.522                | PASS    |
| Band5 | 10MHz     | QPSK       | 20525   | 50RB#0           | 8.9778                   | 9.547                | PASS    |
| Band5 | 10MHz     | QPSK       | 20600   | 50RB#0           | 8.9834                   | 9.496                | PASS    |
| Band5 | 10MHz     | 16QAM      | 20450   | 50RB#0           | 8.9603                   | 9.518                | PASS    |
| Band5 | 10MHz     | 16QAM      | 20525   | 50RB#0           | 8.9620                   | 9.530                | PASS    |
| Band5 | 10MHz     | 16QAM      | 20600   | 50RB#0           | 8.9769                   | 9.548                | PASS    |

## Test Graphs

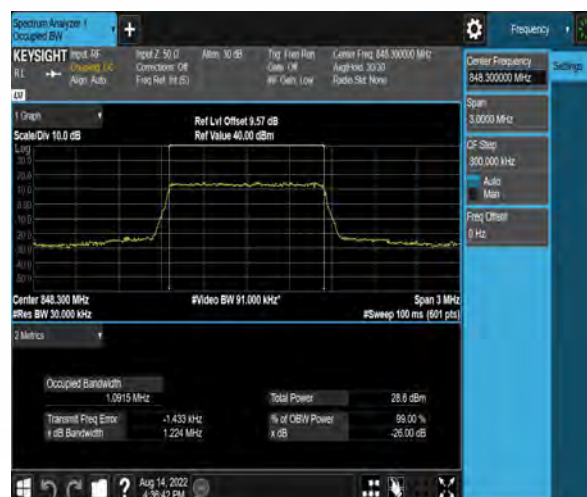
Band5-1.4MHz-QPSK-20407-6RB#0



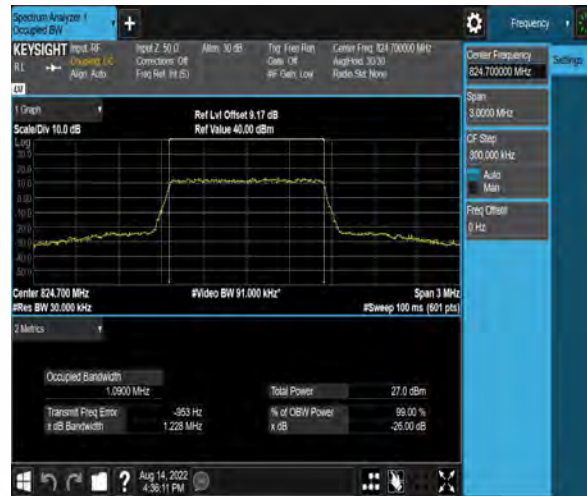
Band5-1.4MHz-QPSK-20525-6RB#0



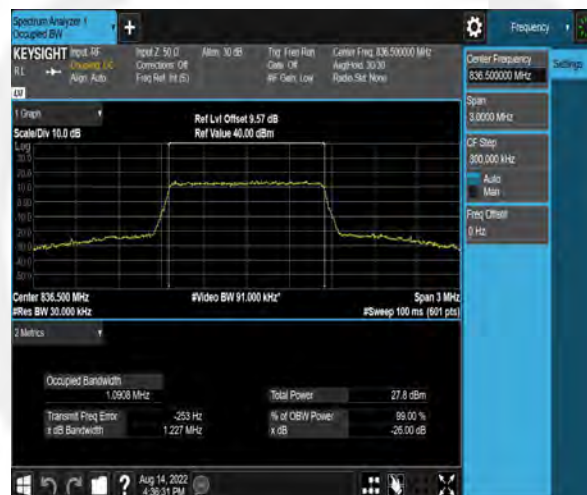
Band5-1.4MHz-QPSK-20643-6RB#0



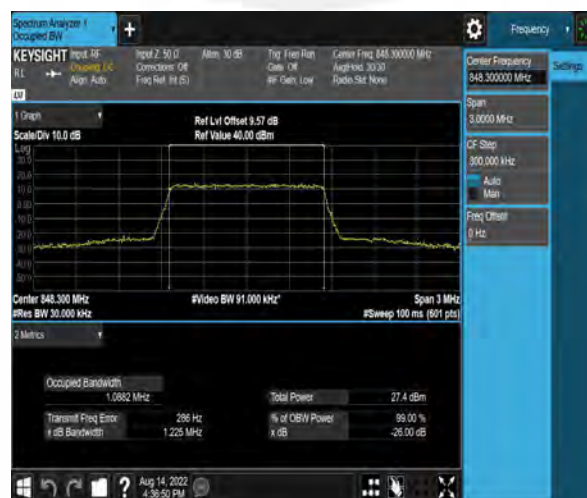
Band5-1.4MHz-16QAM-20407-6RB#0



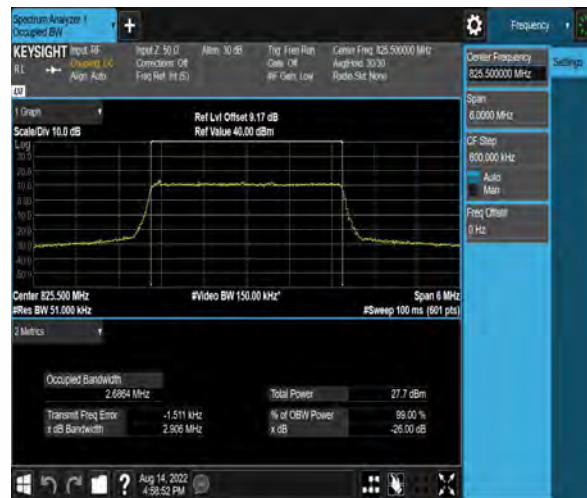
Band5-1.4MHz-16QAM-20525-6RB#0



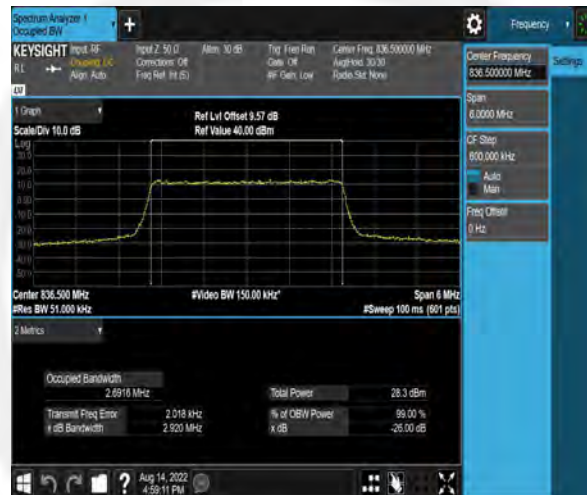
Band5-1.4MHz-16QAM-20643-6RB#0



Band5-3MHz-QPSK-20415-15RB#0



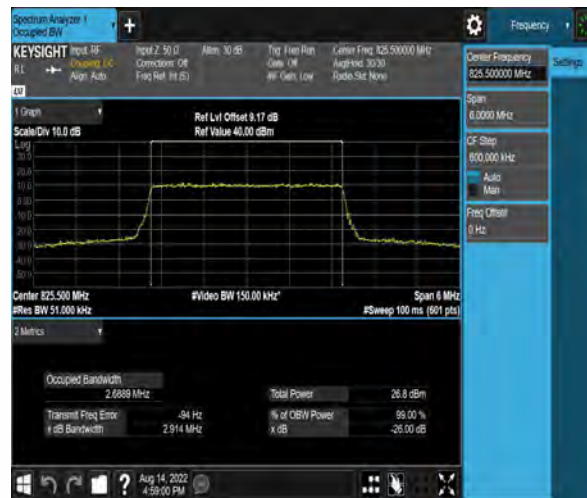
Band5-3MHz-QPSK-20525-15RB#0



Band5-3MHz-QPSK-20635-15RB#0



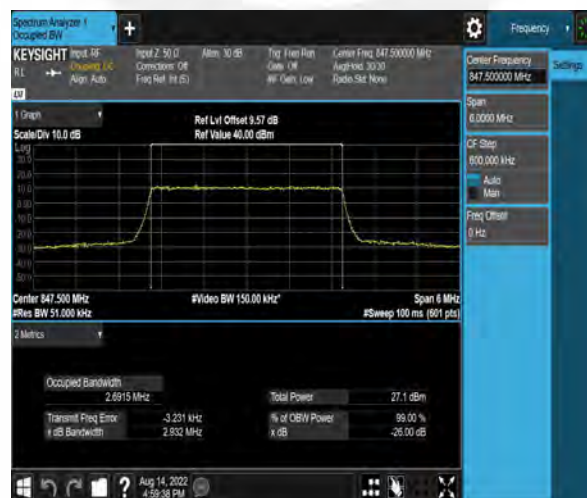
Band5-3MHz-16QAM-20415-15RB#0



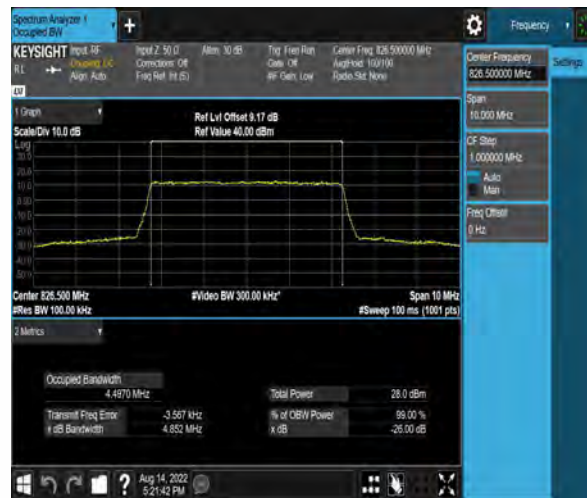
**Band5-3MHz-16QAM-20525-15RB#0**



**Band5-3MHz-16QAM-20635-15RB#0**



**Band5-5MHz-QPSK-20425-25RB#0**



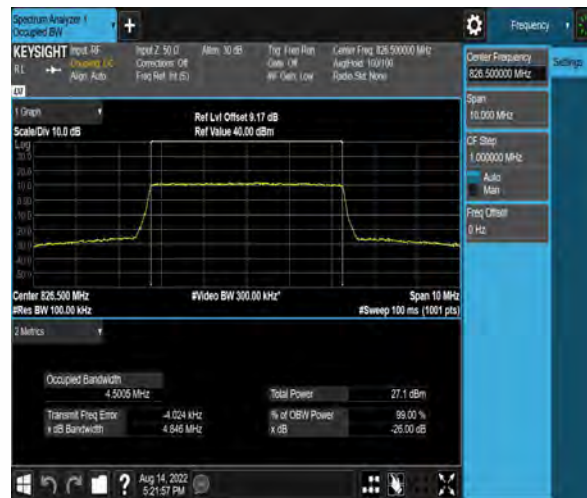
Band5-5MHz-QPSK-20525-25RB#0



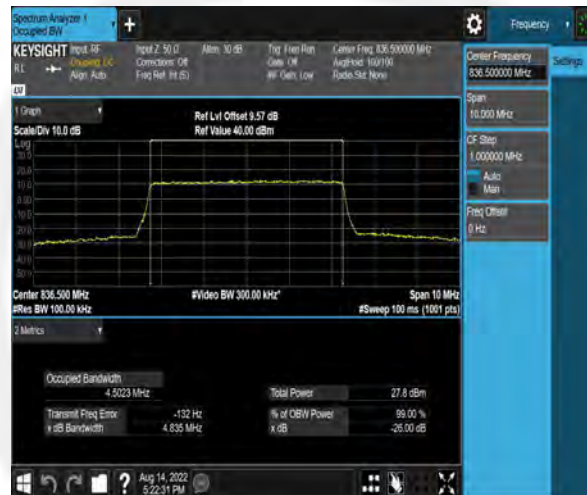
Band5-5MHz-QPSK-20625-25RB#0



Band5-5MHz-16QAM-20425-25RB#0



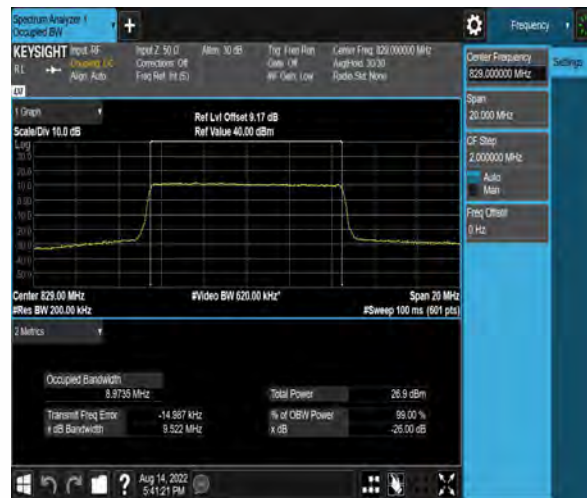
Band5-5MHz-16QAM-20525-25RB#0



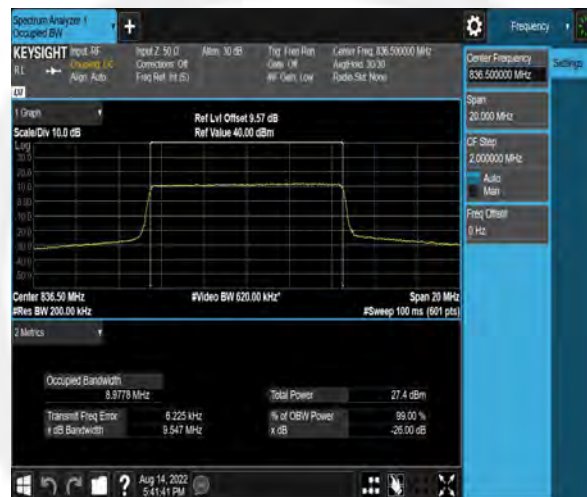
Band5-5MHz-16QAM-20625-25RB#0



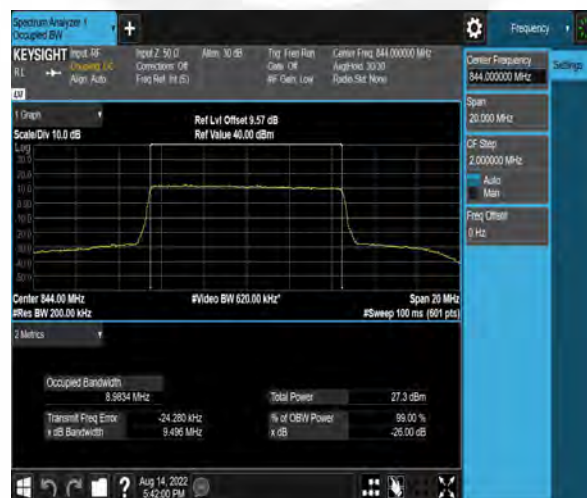
Band5-10MHz-QPSK-20450-50RB#0



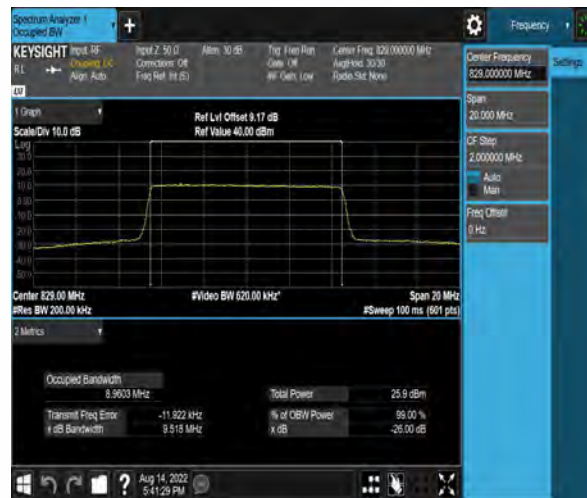
**Band5-10MHz-QPSK-20525-50RB#0**



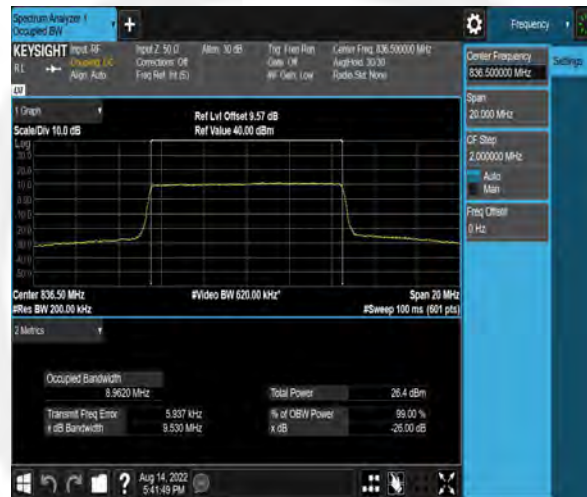
**Band5-10MHz-QPSK-20600-50RB#0**



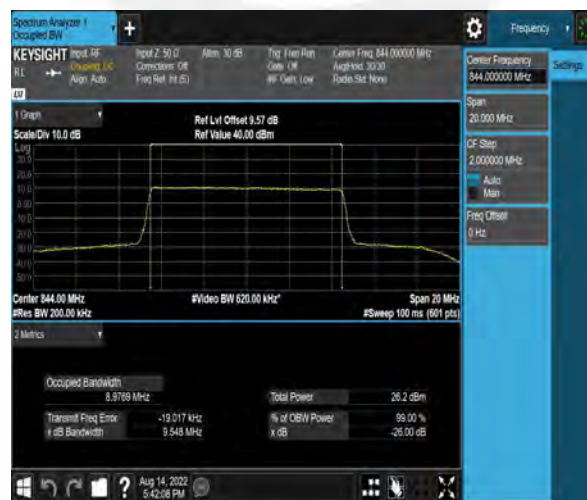
**Band5-10MHz-16QAM-20450-50RB#0**



**Band5-10MHz-16QAM-20525-50RB#0**



**Band5-10MHz-16QAM-20600-50RB#0**



## Appendix D: Band Edge

### Test Result

| Band  | Bandwidth | Modulation | Channel | RB Config. | Result (dBm) | Verdict |
|-------|-----------|------------|---------|------------|--------------|---------|
| Band5 | 1.4MHz    | QPSK       | 20407   | 6RB#0      | -25.59       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 6RB#0      | -25.60       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 6RB#0      | -26.25       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20643   | 6RB#0      | -25.54       | PASS    |
| Band5 | 3MHz      | QPSK       | 20415   | 15RB#0     | -20.52       | PASS    |
| Band5 | 3MHz      | QPSK       | 20635   | 15RB#0     | -21.45       | PASS    |
| Band5 | 3MHz      | 16QAM      | 20415   | 15RB#0     | -21.96       | PASS    |
| Band5 | 3MHz      | 16QAM      | 20635   | 15RB#0     | -22.29       | PASS    |
| Band5 | 5MHz      | QPSK       | 20425   | 25RB#0     | -23.00       | PASS    |
| Band5 | 5MHz      | QPSK       | 20625   | 25RB#0     | -23.09       | PASS    |
| Band5 | 5MHz      | 16QAM      | 20425   | 25RB#0     | -23.70       | PASS    |
| Band5 | 5MHz      | 16QAM      | 20625   | 25RB#0     | -24.10       | PASS    |
| Band5 | 10MHz     | QPSK       | 20450   | 50RB#0     | -25.05       | PASS    |
| Band5 | 10MHz     | QPSK       | 20600   | 50RB#0     | -26.63       | PASS    |
| Band5 | 10MHz     | 16QAM      | 20450   | 50RB#0     | -26.27       | PASS    |
| Band5 | 10MHz     | 16QAM      | 20600   | 50RB#0     | -27.01       | PASS    |

## Test Graphs

Band5-1.4MHz-QPSK-20407-6RB#0



Band5-1.4MHz-QPSK-20643-6RB#0



Band5-1.4MHz-16QAM-20407-6RB#0



Band5-1.4MHz-16QAM-20643-6RB#0



Band5-3MHz-QPSK-20415-15RB#0



Band5-3MHz-QPSK-20635-15RB#0



Band5-3MHz-16QAM-20415-15RB#0



Band5-3MHz-16QAM-20635-15RB#0



Band5-5MHz-QPSK-20425-25RB#0



Band5-5MHz-QPSK-20625-25RB#0



Band5-5MHz-16QAM-20425-25RB#0



Band5-5MHz-16QAM-20625-25RB#0



Band5-10MHz-QPSK-20450-50RB#0



Band5-10MHz-QPSK-20600-50RB#0



Band5-10MHz-16QAM-20450-50RB#0



Band5-10MHz-16QAM-20600-50RB#0



## Appendix E: Conducted Spurious Emission

### Test Result

| Band  | Bandwidth | Modulation | Channel | RB Configuration | Frequency Range      | Result (dBm) | Verdict |
|-------|-----------|------------|---------|------------------|----------------------|--------------|---------|
| Band5 | 1.4MHz    | QPSK       | 20407   | 1RB#0            | Range1:30~1000MHz    | -46.12       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20407   | 1RB#0            | Range2:1000~10000MHz | -36.03       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 1RB#0            | Range1:30~1000MHz    | -45.77       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 1RB#0            | Range2:1000~10000MHz | -35.44       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 1RB#0            | Range1:30~1000MHz    | -45.15       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 1RB#0            | Range2:1000~10000MHz | -35.22       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 1RB#0            | Range1:30~1000MHz    | -45.77       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 1RB#0            | Range2:1000~10000MHz | -34.89       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20525   | 1RB#0            | Range1:30~1000MHz    | -46.16       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20525   | 1RB#0            | Range2:1000~10000MHz | -35.52       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20643   | 1RB#0            | Range1:30~1000MHz    | -46.63       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20643   | 1RB#0            | Range2:1000~10000MHz | -35.97       | PASS    |
| Band5 | 3MHz      | QPSK       | 20415   | 1RB#0            | Range1:30~1000MHz    | -45.46       | PASS    |
| Band5 | 3MHz      | QPSK       | 20415   | 1RB#0            | Range2:1000~10000MHz | -36.09       | PASS    |
| Band5 | 3MHz      | QPSK       | 20525   | 1RB#0            | Range1:30~1000MHz    | -45.83       | PASS    |
| Band5 | 3MHz      | QPSK       | 20525   | 1RB#0            | Range2:1000~10000MHz | -35.44       | PASS    |
| Band5 | 3MHz      | QPSK       | 20635   | 1RB#0            | Range1:30~1000MHz    | -45.89       | PASS    |

|       |      |       |       |       |                      |        |      |
|-------|------|-------|-------|-------|----------------------|--------|------|
|       |      |       |       |       | 00MHz                |        |      |
| Band5 | 3MHz | QPSK  | 20635 | 1RB#0 | Range2:1000~10000MHz | -35.82 | PASS |
| Band5 | 3MHz | 16QAM | 20415 | 1RB#0 | Range1:30~1000MHz    | -45.4  | PASS |
| Band5 | 3MHz | 16QAM | 20415 | 1RB#0 | Range2:1000~10000MHz | -36.58 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 1RB#0 | Range1:30~1000MHz    | -46.27 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 1RB#0 | Range2:1000~10000MHz | -36.29 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 1RB#0 | Range1:30~1000MHz    | -46.06 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 1RB#0 | Range2:1000~10000MHz | -35.36 | PASS |
| Band5 | 5MHz | QPSK  | 20425 | 1RB#0 | Range1:30~1000MHz    | -45.04 | PASS |
| Band5 | 5MHz | QPSK  | 20425 | 1RB#0 | Range2:1000~10000MHz | -35.88 | PASS |
| Band5 | 5MHz | QPSK  | 20525 | 1RB#0 | Range1:30~1000MHz    | -44.82 | PASS |
| Band5 | 5MHz | QPSK  | 20525 | 1RB#0 | Range2:1000~10000MHz | -34.71 | PASS |
| Band5 | 5MHz | QPSK  | 20625 | 1RB#0 | Range1:30~1000MHz    | -46.1  | PASS |
| Band5 | 5MHz | QPSK  | 20625 | 1RB#0 | Range2:1000~10000MHz | -36.2  | PASS |
| Band5 | 5MHz | 16QAM | 20425 | 1RB#0 | Range1:30~1000MHz    | -45.5  | PASS |
| Band5 | 5MHz | 16QAM | 20425 | 1RB#0 | Range2:1000~10000MHz | -35.15 | PASS |
| Band5 | 5MHz | 16QAM | 20525 | 1RB#0 | Range1:30~1000MHz    | -45.79 | PASS |
| Band5 | 5MHz | 16QAM | 20525 | 1RB#0 | Range2:1000~10000MHz | -36.52 | PASS |
| Band5 | 5MHz | 16QAM | 20625 | 1RB#0 | Range1:30~1000MHz    | -46.49 | PASS |

|       |       |       |       |       |                      |        |      |
|-------|-------|-------|-------|-------|----------------------|--------|------|
| Band5 | 5MHz  | 16QAM | 20625 | 1RB#0 | Range2:1000~10000MHz | -34.7  | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 1RB#0 | Range1:30~1000MHz    | -45.61 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 1RB#0 | Range2:1000~10000MHz | -36.47 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 1RB#0 | Range1:30~1000MHz    | -45.26 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 1RB#0 | Range2:1000~10000MHz | -35.41 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 1RB#0 | Range1:30~1000MHz    | -43.6  | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 1RB#0 | Range2:1000~10000MHz | -35.53 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 1RB#0 | Range1:30~1000MHz    | -45.67 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 1RB#0 | Range2:1000~10000MHz | -36.5  | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 1RB#0 | Range1:30~1000MHz    | -45.65 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 1RB#0 | Range2:1000~10000MHz | -35.93 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 1RB#0 | Range1:30~1000MHz    | -46.23 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 1RB#0 | Range2:1000~10000MHz | -35.84 | PASS |

## Test Graphs

Band5-1.4MHz-QPSK-20407-1RB#0-Range1:30~1000MHz



Band5-1.4MHz-QPSK-20407-1RB#0-Range2:1000~10000MHz



Band5-1.4MHz-QPSK-20525-1RB#0-Range1:30~1000MHz



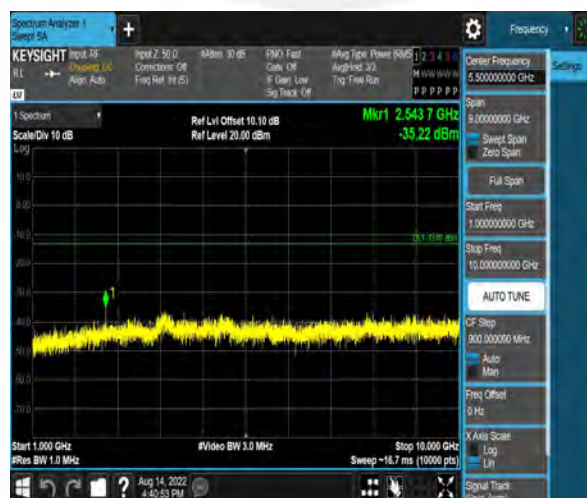
Band5-1.4MHz-QPSK-20525-1RB#0-Range2:1000~10000MHz



Band5-1.4MHz-QPSK-20643-1RB#0-Range1:30~1000MHz



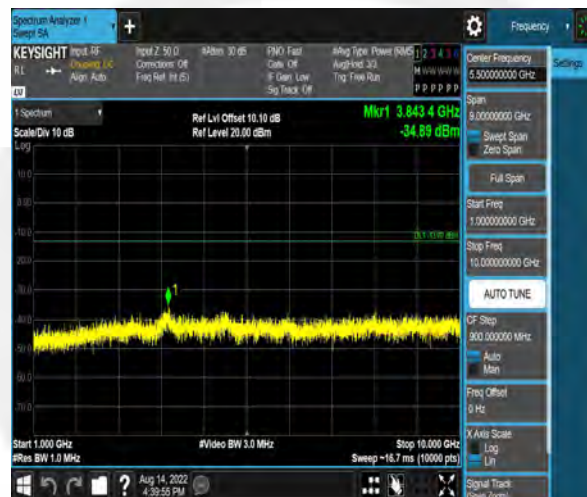
Band5-1.4MHz-QPSK-20643-1RB#0-Range2:1000~10000MHz



Band5-1.4MHz-16QAM-20407-1RB#0-Range1:30~1000MHz



Band5-1.4MHz-16QAM-20407-1RB#0-Range2:1000~10000MHz



Band5-1.4MHz-16QAM-20525-1RB#0-Range1:30~1000MHz



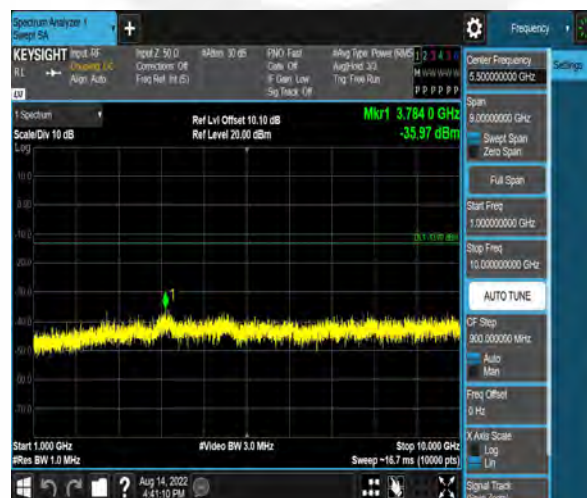
Band5-1.4MHz-16QAM-20525-1RB#0-Range2:1000~10000MHz



Band5-1.4MHz-16QAM-20643-1RB#0-Range1:30~1000MHz



Band5-1.4MHz-16QAM-20643-1RB#0-Range2:1000~10000MHz



Band5-3MHz-QPSK-20415-1RB#0-Range1:30~1000MHz



Band5-3MHz-QPSK-20415-1RB#0-Range2:1000~10000MHz



Band5-3MHz-QPSK-20525-1RB#0-Range1:30~1000MHz



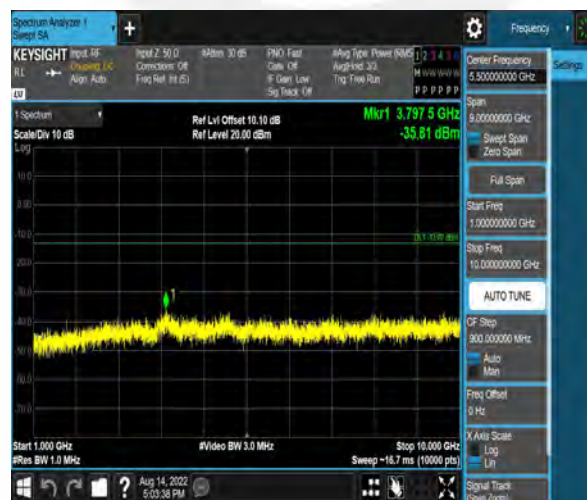
Band5-3MHz-QPSK-20525-1RB#0-Range2:1000~10000MHz



Band5-3MHz-QPSK-20635-1RB#0-Range1:30~1000MHz



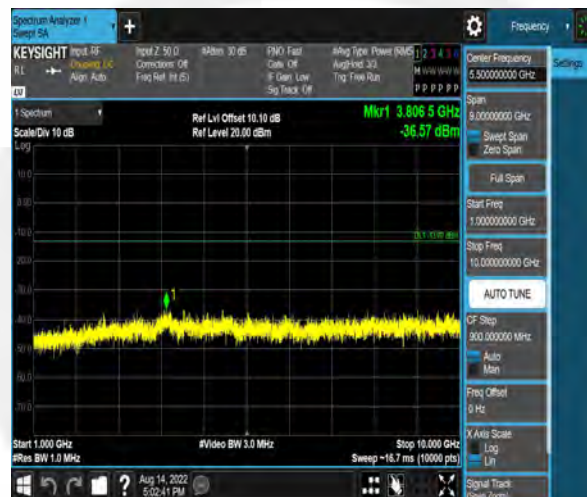
Band5-3MHz-QPSK-20635-1RB#0-Range2:1000~10000MHz



Band5-3MHz-16QAM-20415-1RB#0-Range1:30~1000MHz



Band5-3MHz-16QAM-20415-1RB#0-Range2:1000~10000MHz



Band5-3MHz-16QAM-20525-1RB#0-Range1:30~1000MHz



Band5-3MHz-16QAM-20525-1RB#0-Range2:1000~10000MHz



Band5-3MHz-16QAM-20635-1RB#0-Range1:30~1000MHz



Band5-3MHz-16QAM-20635-1RB#0-Range2:1000~10000MHz



Band5-5MHz-QPSK-20425-1RB#0-Range1:30~1000MHz



Band5-5MHz-QPSK-20425-1RB#0-Range2:1000~10000MHz



Band5-5MHz-QPSK-20525-1RB#0-Range1:30~1000MHz



Band5-5MHz-QPSK-20525-1RB#0-Range2:1000~10000MHz



Band5-5MHz-QPSK-20625-1RB#0-Range1:30~1000MHz



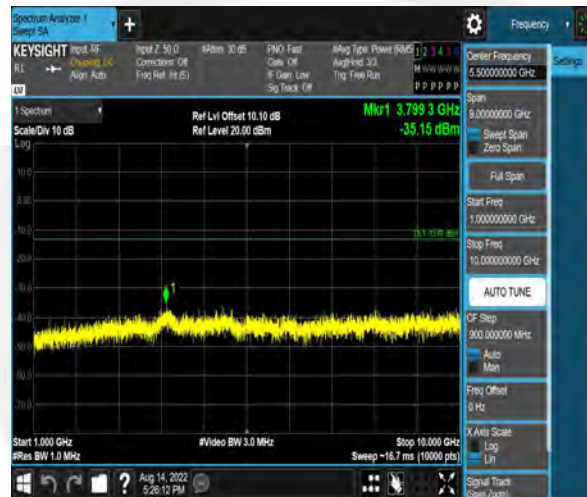
Band5-5MHz-QPSK-20625-1RB#0-Range2:1000~10000MHz



Band5-5MHz-16QAM-20425-1RB#0-Range1:30~1000MHz



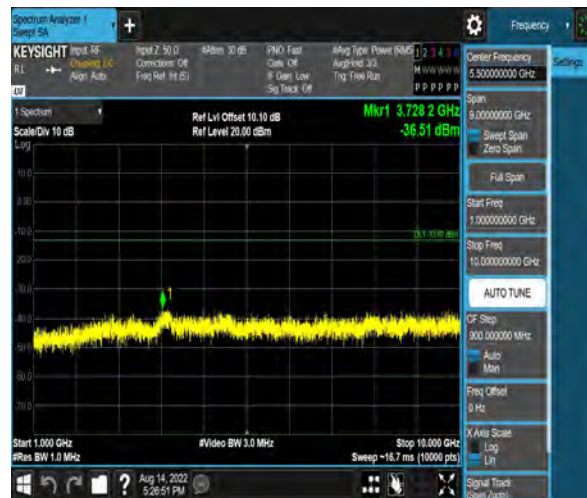
Band5-5MHz-16QAM-20425-1RB#0-Range2:1000~10000MHz



Band5-5MHz-16QAM-20525-1RB#0-Range1:30~1000MHz



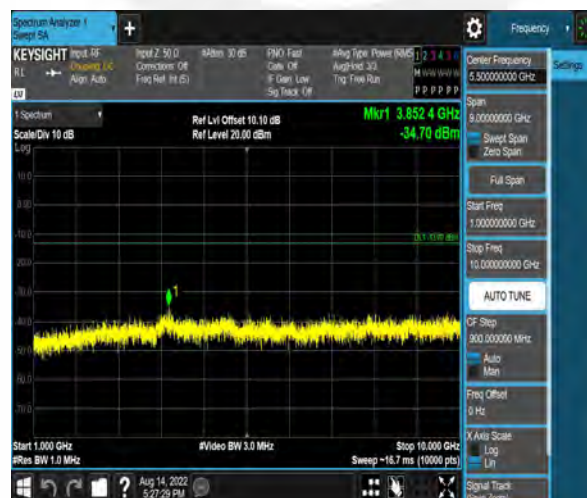
Band5-5MHz-16QAM-20525-1RB#0-Range2:1000~10000MHz



Band5-5MHz-16QAM-20625-1RB#0-Range1:30~1000MHz



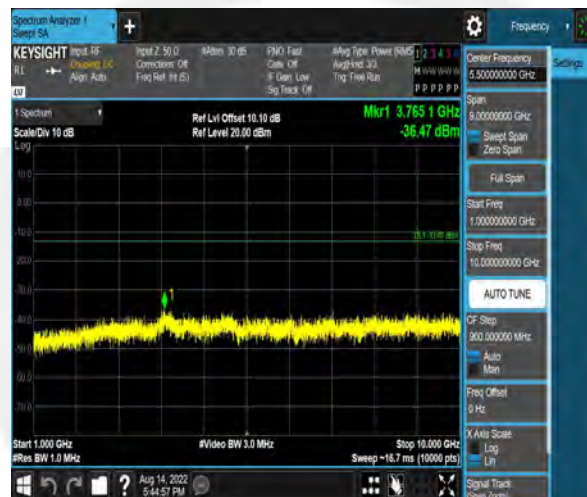
Band5-5MHz-16QAM-20625-1RB#0-Range2:1000~10000MHz



Band5-10MHz-QPSK-20450-1RB#0-Range1:30~1000MHz



Band5-10MHz-QPSK-20450-1RB#0-Range2:1000~10000MHz



Band5-10MHz-QPSK-20525-1RB#0-Range1:30~1000MHz



Band5-10MHz-QPSK-20525-1RB#0-Range2:1000~10000MHz



Band5-10MHz-QPSK-20600-1RB#0-Range1:30~1000MHz



Band5-10MHz-QPSK-20600-1RB#0-Range2:1000~10000MHz



Band5-10MHz-16QAM-20450-1RB#0-Range1:30~1000MHz



Band5-10MHz-16QAM-20450-1RB#0-Range2:1000~10000MHz



Band5-10MHz-16QAM-20525-1RB#0-Range1:30~1000MHz



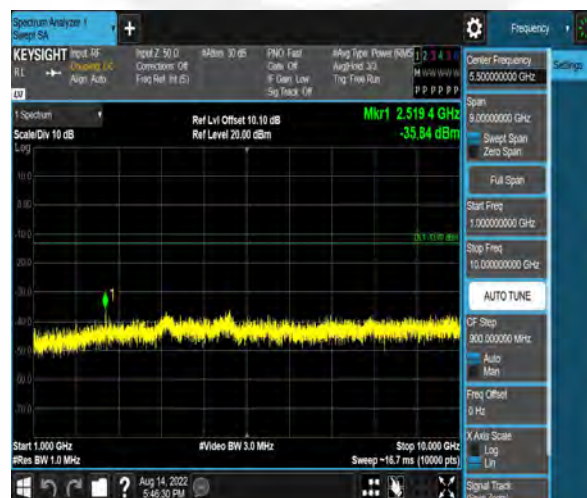
Band5-10MHz-16QAM-20525-1RB#0-Range2:1000~10000MHz



Band5-10MHz-16QAM-20600-1RB#0-Range1:30~1000MHz



Band5-10MHz-16QAM-20600-1RB#0-Range2:1000~10000MHz



## Appendix F: Frequency Stability

### Test Result

| Voltage |           |            |         |              |               |                  |                |                 |             |         |
|---------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band    | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| Band5   | 1.4MHz    | QPSK       | 20407   | 6RB#0        | VL            | NT               | -24.99         | -0.030302       | ±2.5        | PASS    |
| Band5   | 1.4MHz    | QPSK       | 20407   | 6RB#0        | VN            | NT               | -19.70         | -0.023887       | ±2.5        | PASS    |
| Band5   | 1.4MHz    | QPSK       | 20407   | 6RB#0        | VH            | NT               | -21.01         | -0.025476       | ±2.5        | PASS    |
| Band5   | 1.4MHz    | QPSK       | 20525   | 6RB#0        | VL            | NT               | 11.20          | 0.013389        | ±2.5        | PASS    |
| Band5   | 1.4MHz    | QPSK       | 20525   | 6RB#0        | VN            | NT               | 10.87          | 0.012995        | ±2.5        | PASS    |
| Band5   | 1.4MHz    | QPSK       | 20525   | 6RB#0        | VH            | NT               | -5.09          | -0.006085       | ±2.5        | PASS    |
| Band5   | 1.4MHz    | QPSK       | 20643   | 6RB#0        | VL            | NT               | -13.48         | -0.015891       | ±2.5        | PASS    |
| Band5   | 1.4MHz    | QPSK       | 20643   | 6RB#0        | VN            | NT               | -11.87         | -0.013993       | ±2.5        | PASS    |
| Band5   | 1.4MHz    | QPSK       | 20643   | 6RB#0        | VH            | NT               | -8.35          | -0.009843       | ±2.5        | PASS    |
| Band5   | 1.4MHz    | 16QAM      | 20407   | 6RB#0        | VL            | NT               | -9.34          | -0.011325       | ±2.5        | PASS    |
| Band5   | 1.4MHz    | 16QAM      | 20407   | 6RB#0        | VN            | NT               | -6.61          | -0.008015       | ±2.5        | PASS    |
| Band5   | 1.4MHz    | 16QAM      | 20407   | 6RB#0        | VH            | NT               | 2.06           | 0.002498        | ±2.5        | PASS    |
| Band5   | 1.4MHz    | 16QAM      | 20525   | 6RB#0        | VL            | NT               | -4.01          | -0.004794       | ±2.5        | PASS    |
| Band5   | 1.4MHz    | 16QAM      | 20525   | 6RB#0        | VN            | NT               | -3.55          | -0.004244       | ±2.5        | PASS    |
| Band5   | 1.4MHz    | 16QAM      | 20525   | 6RB#0        | VH            | NT               | -4.42          | -0.005284       | ±2.5        | PASS    |
| Band5   | 1.4MHz    | 16QAM      | 20643   | 6RB#0        | VL            | NT               | -7.24          | -0.008535       | ±2.5        | PASS    |

|       |        |       |       |        |    |    |        |               |      |      |
|-------|--------|-------|-------|--------|----|----|--------|---------------|------|------|
| Band5 | 1.4MHz | 16QAM | 20643 | 6RB#0  | VN | NT | -1.86  | -0.0021<br>93 | ±2.5 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 6RB#0  | VH | NT | -4.59  | -0.00541<br>1 | ±2.5 | PASS |
| Band5 | 3MHz   | QPSK  | 20415 | 15RB#0 | VL | NT | 2.90   | 0.00351<br>3  | ±2.5 | PASS |
| Band5 | 3MHz   | QPSK  | 20415 | 15RB#0 | VN | NT | 6.57   | 0.00795<br>9  | ±2.5 | PASS |
| Band5 | 3MHz   | QPSK  | 20415 | 15RB#0 | VH | NT | 7.40   | 0.00896<br>4  | ±2.5 | PASS |
| Band5 | 3MHz   | QPSK  | 20525 | 15RB#0 | VL | NT | -3.03  | -0.0036<br>22 | ±2.5 | PASS |
| Band5 | 3MHz   | QPSK  | 20525 | 15RB#0 | VN | NT | -9.44  | -0.01128<br>5 | ±2.5 | PASS |
| Band5 | 3MHz   | QPSK  | 20525 | 15RB#0 | VH | NT | -7.35  | -0.0087<br>87 | ±2.5 | PASS |
| Band5 | 3MHz   | QPSK  | 20635 | 15RB#0 | VL | NT | -10.89 | -0.0128<br>50 | ±2.5 | PASS |
| Band5 | 3MHz   | QPSK  | 20635 | 15RB#0 | VN | NT | -5.52  | -0.0065<br>13 | ±2.5 | PASS |
| Band5 | 3MHz   | QPSK  | 20635 | 15RB#0 | VH | NT | -7.00  | -0.0082<br>60 | ±2.5 | PASS |
| Band5 | 3MHz   | 16QAM | 20415 | 15RB#0 | VL | NT | 4.13   | 0.00500<br>3  | ±2.5 | PASS |
| Band5 | 3MHz   | 16QAM | 20415 | 15RB#0 | VN | NT | 5.44   | 0.00659<br>0  | ±2.5 | PASS |
| Band5 | 3MHz   | 16QAM | 20415 | 15RB#0 | VH | NT | 4.41   | 0.00534<br>2  | ±2.5 | PASS |
| Band5 | 3MHz   | 16QAM | 20525 | 15RB#0 | VL | NT | -7.01  | -0.0083<br>80 | ±2.5 | PASS |
| Band5 | 3MHz   | 16QAM | 20525 | 15RB#0 | VN | NT | -5.16  | -0.0061<br>69 | ±2.5 | PASS |
| Band5 | 3MHz   | 16QAM | 20525 | 15RB#0 | VH | NT | -6.58  | -0.0078<br>66 | ±2.5 | PASS |
| Band5 | 3MHz   | 16QAM | 20635 | 15RB#0 | VL | NT | -4.31  | -0.0050<br>86 | ±2.5 | PASS |
| Band5 | 3MHz   | 16QAM | 20635 | 15RB#0 | VN | NT | -5.91  | -0.0069       | ±2.5 | PASS |

|       |      |       |       |        |    |    |       |               |      |      |
|-------|------|-------|-------|--------|----|----|-------|---------------|------|------|
|       |      |       |       |        |    |    |       | 73            |      |      |
| Band5 | 3MHz | 16QAM | 20635 | 15RB#0 | VH | NT | -8.01 | -0.0094<br>51 | ±2.5 | PASS |
| Band5 | 5MHz | QPSK  | 20425 | 25RB#0 | VL | NT | 7.40  | 0.00895<br>3  | ±2.5 | PASS |
| Band5 | 5MHz | QPSK  | 20425 | 25RB#0 | VN | NT | 6.21  | 0.00751<br>4  | ±2.5 | PASS |
| Band5 | 5MHz | QPSK  | 20425 | 25RB#0 | VH | NT | -2.79 | -0.0033<br>76 | ±2.5 | PASS |
| Band5 | 5MHz | QPSK  | 20525 | 25RB#0 | VL | NT | -4.91 | -0.0058<br>70 | ±2.5 | PASS |
| Band5 | 5MHz | QPSK  | 20525 | 25RB#0 | VN | NT | -7.42 | -0.0088<br>70 | ±2.5 | PASS |
| Band5 | 5MHz | QPSK  | 20525 | 25RB#0 | VH | NT | -7.21 | -0.0086<br>19 | ±2.5 | PASS |
| Band5 | 5MHz | QPSK  | 20625 | 25RB#0 | VL | NT | 2.33  | 0.00275<br>3  | ±2.5 | PASS |
| Band5 | 5MHz | QPSK  | 20625 | 25RB#0 | VN | NT | 8.13  | 0.00960<br>4  | ±2.5 | PASS |
| Band5 | 5MHz | QPSK  | 20625 | 25RB#0 | VH | NT | 4.15  | 0.00490<br>3  | ±2.5 | PASS |
| Band5 | 5MHz | 16QAM | 20425 | 25RB#0 | VL | NT | -3.81 | -0.0046<br>10 | ±2.5 | PASS |
| Band5 | 5MHz | 16QAM | 20425 | 25RB#0 | VN | NT | 4.39  | 0.00531<br>2  | ±2.5 | PASS |
| Band5 | 5MHz | 16QAM | 20425 | 25RB#0 | VH | NT | -2.53 | -0.0030<br>61 | ±2.5 | PASS |
| Band5 | 5MHz | 16QAM | 20525 | 25RB#0 | VL | NT | -9.16 | -0.0109<br>50 | ±2.5 | PASS |
| Band5 | 5MHz | 16QAM | 20525 | 25RB#0 | VN | NT | -7.78 | -0.0093<br>01 | ±2.5 | PASS |
| Band5 | 5MHz | 16QAM | 20525 | 25RB#0 | VH | NT | -4.49 | -0.0053<br>68 | ±2.5 | PASS |
| Band5 | 5MHz | 16QAM | 20625 | 25RB#0 | VL | NT | 8.08  | 0.00954<br>5  | ±2.5 | PASS |
| Band5 | 5MHz | 16QAM | 20625 | 25RB#0 | VN | NT | 6.04  | 0.00713<br>5  | ±2.5 | PASS |

|       |       |       |       |        |    |    |        |               |      |      |
|-------|-------|-------|-------|--------|----|----|--------|---------------|------|------|
| Band5 | 5MHz  | 16QAM | 20625 | 25RB#0 | VH | NT | 7.57   | 0.00894<br>3  | ±2.5 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 50RB#0 | VL | NT | 8.54   | 0.01030<br>2  | ±2.5 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 50RB#0 | VN | NT | 9.57   | 0.01154<br>4  | ±2.5 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 50RB#0 | VH | NT | 10.20  | 0.01230<br>4  | ±2.5 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 50RB#0 | VL | NT | -11.73 | -0.0140<br>23 | ±2.5 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 50RB#0 | VN | NT | -7.30  | -0.0087<br>27 | ±2.5 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 50RB#0 | VH | NT | -6.12  | -0.0073<br>16 | ±2.5 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 50RB#0 | VL | NT | -7.18  | -0.0085<br>07 | ±2.5 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 50RB#0 | VN | NT | -6.69  | -0.0079<br>27 | ±2.5 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 50RB#0 | VH | NT | -4.69  | -0.0055<br>57 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 50RB#0 | VL | NT | 5.85   | 0.00705<br>7  | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 50RB#0 | VN | NT | 4.65   | 0.00560<br>9  | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 50RB#0 | VH | NT | 6.42   | 0.00774<br>4  | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 50RB#0 | VL | NT | -3.75  | -0.0044<br>83 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 50RB#0 | VN | NT | -3.25  | -0.0038<br>85 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 50RB#0 | VH | NT | -7.04  | -0.0084<br>16 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 50RB#0 | VL | NT | -5.56  | -0.0065<br>88 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 50RB#0 | VN | NT | -7.72  | -0.0091<br>47 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 50RB#0 | VH | NT | -7.65  | -0.0090       | ±2.5 | PASS |

|  |  |  |  |  |  |  |  |    |  |  |
|--|--|--|--|--|--|--|--|----|--|--|
|  |  |  |  |  |  |  |  | 64 |  |  |
|--|--|--|--|--|--|--|--|----|--|--|

| Voltage |           |            |         |              |               |                  |                |                 |             |         |
|---------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band    | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| Band5   | 1.4MHz    | QPSK       | 20407   | 6RB#0        | NV            | -30              | -15.29         | -0.018540       | ±2.5        | PASS    |
| Band5   | 1.4MHz    | QPSK       | 20407   | 6RB#0        | NV            | -20              | -8.31          | -0.010076       | ±2.5        | PASS    |
| Band5   | 1.4MHz    | QPSK       | 20407   | 6RB#0        | NV            | -10              | -11.14         | -0.013508       | ±2.5        | PASS    |
| Band5   | 1.4MHz    | QPSK       | 20407   | 6RB#0        | NV            | 0                | -4.41          | -0.005347       | ±2.5        | PASS    |
| Band5   | 1.4MHz    | QPSK       | 20407   | 6RB#0        | NV            | 10               | -8.51          | -0.010319       | ±2.5        | PASS    |
| Band5   | 1.4MHz    | QPSK       | 20407   | 6RB#0        | NV            | 20               | -9.51          | -0.011531       | ±2.5        | PASS    |
| Band5   | 1.4MHz    | QPSK       | 20407   | 6RB#0        | NV            | 30               | -2.63          | -0.003189       | ±2.5        | PASS    |
| Band5   | 1.4MHz    | QPSK       | 20407   | 6RB#0        | NV            | 40               | -3.76          | -0.004559       | ±2.5        | PASS    |
| Band5   | 1.4MHz    | QPSK       | 20407   | 6RB#0        | NV            | 50               | -7.32          | -0.008876       | ±2.5        | PASS    |
| Band5   | 1.4MHz    | QPSK       | 20525   | 6RB#0        | NV            | -30              | -4.42          | -0.005284       | ±2.5        | PASS    |
| Band5   | 1.4MHz    | QPSK       | 20525   | 6RB#0        | NV            | -20              | -7.41          | -0.008858       | ±2.5        | PASS    |
| Band5   | 1.4MHz    | QPSK       | 20525   | 6RB#0        | NV            | -10              | -10.80         | -0.012911       | ±2.5        | PASS    |
| Band5   | 1.4MHz    | QPSK       | 20525   | 6RB#0        | NV            | 0                | -4.59          | -0.005487       | ±2.5        | PASS    |
| Band5   | 1.4MHz    | QPSK       | 20525   | 6RB#0        | NV            | 10               | -7.00          | -0.008368       | ±2.5        | PASS    |
| Band5   | 1.4MHz    | QPSK       | 20525   | 6RB#0        | NV            | 20               | -11.10         | -0.013270       | ±2.5        | PASS    |
| Band5   | 1.4MHz    | QPSK       | 20525   | 6RB#0        | NV            | 30               | -4.78          | -0.005714       | ±2.5        | PASS    |

|       |        |       |       |       |    |     |        |               |      |      |
|-------|--------|-------|-------|-------|----|-----|--------|---------------|------|------|
| Band5 | 1.4MHz | QPSK  | 20525 | 6RB#0 | NV | 40  | -11.54 | -0.0137<br>96 | ±2.5 | PASS |
| Band5 | 1.4MHz | QPSK  | 20525 | 6RB#0 | NV | 50  | -2.37  | -0.0028<br>33 | ±2.5 | PASS |
| Band5 | 1.4MHz | QPSK  | 20643 | 6RB#0 | NV | -30 | -8.11  | -0.0095<br>60 | ±2.5 | PASS |
| Band5 | 1.4MHz | QPSK  | 20643 | 6RB#0 | NV | -20 | 1.42   | 0.00167<br>4  | ±2.5 | PASS |
| Band5 | 1.4MHz | QPSK  | 20643 | 6RB#0 | NV | -10 | 2.17   | 0.00255<br>8  | ±2.5 | PASS |
| Band5 | 1.4MHz | QPSK  | 20643 | 6RB#0 | NV | 0   | -2.23  | -0.0026<br>29 | ±2.5 | PASS |
| Band5 | 1.4MHz | QPSK  | 20643 | 6RB#0 | NV | 10  | -7.34  | -0.0086<br>53 | ±2.5 | PASS |
| Band5 | 1.4MHz | QPSK  | 20643 | 6RB#0 | NV | 20  | -4.71  | -0.0055<br>52 | ±2.5 | PASS |
| Band5 | 1.4MHz | QPSK  | 20643 | 6RB#0 | NV | 30  | 1.34   | 0.00158<br>0  | ±2.5 | PASS |
| Band5 | 1.4MHz | QPSK  | 20643 | 6RB#0 | NV | 40  | 2.23   | 0.00262<br>9  | ±2.5 | PASS |
| Band5 | 1.4MHz | QPSK  | 20643 | 6RB#0 | NV | 50  | -7.02  | -0.0082<br>75 | ±2.5 | PASS |
| Band5 | 1.4MHz | 16QAM | 20407 | 6RB#0 | NV | -30 | -2.45  | -0.0029<br>71 | ±2.5 | PASS |
| Band5 | 1.4MHz | 16QAM | 20407 | 6RB#0 | NV | -20 | -5.75  | -0.0069<br>72 | ±2.5 | PASS |
| Band5 | 1.4MHz | 16QAM | 20407 | 6RB#0 | NV | -10 | -7.28  | -0.0088<br>27 | ±2.5 | PASS |
| Band5 | 1.4MHz | 16QAM | 20407 | 6RB#0 | NV | 0   | -1.37  | -0.0016<br>61 | ±2.5 | PASS |
| Band5 | 1.4MHz | 16QAM | 20407 | 6RB#0 | NV | 10  | -5.12  | -0.0062<br>08 | ±2.5 | PASS |
| Band5 | 1.4MHz | 16QAM | 20407 | 6RB#0 | NV | 20  | 2.27   | 0.00275<br>3  | ±2.5 | PASS |
| Band5 | 1.4MHz | 16QAM | 20407 | 6RB#0 | NV | 30  | -5.39  | -0.0065<br>36 | ±2.5 | PASS |
| Band5 | 1.4MHz | 16QAM | 20407 | 6RB#0 | NV | 40  | -2.73  | -0.0033       | ±2.5 | PASS |

|       |        |       |       |       |    |     |        |               |      |      |
|-------|--------|-------|-------|-------|----|-----|--------|---------------|------|------|
|       |        |       |       |       |    |     |        | 10            |      |      |
| Band5 | 1.4MHz | 16QAM | 20407 | 6RB#0 | NV | 50  | -8.37  | -0.0101<br>49 | ±2.5 | PASS |
| Band5 | 1.4MHz | 16QAM | 20525 | 6RB#0 | NV | -30 | -7.84  | -0.0093<br>72 | ±2.5 | PASS |
| Band5 | 1.4MHz | 16QAM | 20525 | 6RB#0 | NV | -20 | -10.00 | -0.01195<br>5 | ±2.5 | PASS |
| Band5 | 1.4MHz | 16QAM | 20525 | 6RB#0 | NV | -10 | -4.11  | -0.0049<br>13 | ±2.5 | PASS |
| Band5 | 1.4MHz | 16QAM | 20525 | 6RB#0 | NV | 0   | -6.25  | -0.0074<br>72 | ±2.5 | PASS |
| Band5 | 1.4MHz | 16QAM | 20525 | 6RB#0 | NV | 10  | -9.07  | -0.0108<br>43 | ±2.5 | PASS |
| Band5 | 1.4MHz | 16QAM | 20525 | 6RB#0 | NV | 20  | -5.08  | -0.0060<br>73 | ±2.5 | PASS |
| Band5 | 1.4MHz | 16QAM | 20525 | 6RB#0 | NV | 30  | -9.67  | -0.01156<br>0 | ±2.5 | PASS |
| Band5 | 1.4MHz | 16QAM | 20525 | 6RB#0 | NV | 40  | -5.51  | -0.0065<br>87 | ±2.5 | PASS |
| Band5 | 1.4MHz | 16QAM | 20525 | 6RB#0 | NV | 50  | -1.75  | -0.0020<br>92 | ±2.5 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 6RB#0 | NV | -30 | -6.98  | -0.0082<br>28 | ±2.5 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 6RB#0 | NV | -20 | 0.94   | 0.00110<br>8  | ±2.5 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 6RB#0 | NV | -10 | -4.23  | -0.0049<br>86 | ±2.5 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 6RB#0 | NV | 0   | -6.37  | -0.0075<br>09 | ±2.5 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 6RB#0 | NV | 10  | -5.44  | -0.0064<br>13 | ±2.5 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 6RB#0 | NV | 20  | -4.31  | -0.0050<br>81 | ±2.5 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 6RB#0 | NV | 30  | -2.82  | -0.0033<br>24 | ±2.5 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 6RB#0 | NV | 40  | -8.31  | -0.0097<br>96 | ±2.5 | PASS |

|       |        |       |       |        |    |     |       |               |      |      |
|-------|--------|-------|-------|--------|----|-----|-------|---------------|------|------|
| Band5 | 1.4MHz | 16QAM | 20643 | 6RB#0  | NV | 50  | -4.33 | -0.0051<br>04 | ±2.5 | PASS |
| Band5 | 3MHz   | QPSK  | 20415 | 15RB#0 | NV | -30 | 6.74  | 0.00816<br>5  | ±2.5 | PASS |
| Band5 | 3MHz   | QPSK  | 20415 | 15RB#0 | NV | -20 | -2.70 | -0.0032<br>71 | ±2.5 | PASS |
| Band5 | 3MHz   | QPSK  | 20415 | 15RB#0 | NV | -10 | 2.72  | 0.00329<br>5  | ±2.5 | PASS |
| Band5 | 3MHz   | QPSK  | 20415 | 15RB#0 | NV | 0   | 4.35  | 0.00527<br>0  | ±2.5 | PASS |
| Band5 | 3MHz   | QPSK  | 20415 | 15RB#0 | NV | 10  | 9.43  | 0.01142<br>3  | ±2.5 | PASS |
| Band5 | 3MHz   | QPSK  | 20415 | 15RB#0 | NV | 20  | 6.75  | 0.00817<br>7  | ±2.5 | PASS |
| Band5 | 3MHz   | QPSK  | 20415 | 15RB#0 | NV | 30  | 11.89 | 0.01440<br>3  | ±2.5 | PASS |
| Band5 | 3MHz   | QPSK  | 20415 | 15RB#0 | NV | 40  | 10.77 | 0.01304<br>7  | ±2.5 | PASS |
| Band5 | 3MHz   | QPSK  | 20415 | 15RB#0 | NV | 50  | 7.04  | 0.00852<br>8  | ±2.5 | PASS |
| Band5 | 3MHz   | QPSK  | 20525 | 15RB#0 | NV | -30 | -7.18 | -0.0085<br>83 | ±2.5 | PASS |
| Band5 | 3MHz   | QPSK  | 20525 | 15RB#0 | NV | -20 | -1.26 | -0.0015<br>06 | ±2.5 | PASS |
| Band5 | 3MHz   | QPSK  | 20525 | 15RB#0 | NV | -10 | -7.20 | -0.0086<br>07 | ±2.5 | PASS |
| Band5 | 3MHz   | QPSK  | 20525 | 15RB#0 | NV | 0   | -2.13 | -0.0025<br>46 | ±2.5 | PASS |
| Band5 | 3MHz   | QPSK  | 20525 | 15RB#0 | NV | 10  | -3.48 | -0.0041<br>60 | ±2.5 | PASS |
| Band5 | 3MHz   | QPSK  | 20525 | 15RB#0 | NV | 20  | -5.18 | -0.0061<br>92 | ±2.5 | PASS |
| Band5 | 3MHz   | QPSK  | 20525 | 15RB#0 | NV | 30  | -6.31 | -0.0075<br>43 | ±2.5 | PASS |
| Band5 | 3MHz   | QPSK  | 20525 | 15RB#0 | NV | 40  | -1.27 | -0.0015<br>18 | ±2.5 | PASS |
| Band5 | 3MHz   | QPSK  | 20525 | 15RB#0 | NV | 50  | -2.85 | -0.0034       | ±2.5 | PASS |

|       |      |       |       |        |    |     |        |               |      |      |
|-------|------|-------|-------|--------|----|-----|--------|---------------|------|------|
|       |      |       |       |        |    |     |        | 07            |      |      |
| Band5 | 3MHz | QPSK  | 20635 | 15RB#0 | NV | -30 | -6.67  | -0.0078<br>70 | ±2.5 | PASS |
| Band5 | 3MHz | QPSK  | 20635 | 15RB#0 | NV | -20 | -11.53 | -0.0136<br>05 | ±2.5 | PASS |
| Band5 | 3MHz | QPSK  | 20635 | 15RB#0 | NV | -10 | -7.95  | -0.0093<br>81 | ±2.5 | PASS |
| Band5 | 3MHz | QPSK  | 20635 | 15RB#0 | NV | 0   | -7.05  | -0.0083<br>19 | ±2.5 | PASS |
| Band5 | 3MHz | QPSK  | 20635 | 15RB#0 | NV | 10  | -8.47  | -0.0099<br>94 | ±2.5 | PASS |
| Band5 | 3MHz | QPSK  | 20635 | 15RB#0 | NV | 20  | -8.77  | -0.0103<br>48 | ±2.5 | PASS |
| Band5 | 3MHz | QPSK  | 20635 | 15RB#0 | NV | 30  | -5.15  | -0.0060<br>77 | ±2.5 | PASS |
| Band5 | 3MHz | QPSK  | 20635 | 15RB#0 | NV | 40  | -3.79  | -0.0044<br>72 | ±2.5 | PASS |
| Band5 | 3MHz | QPSK  | 20635 | 15RB#0 | NV | 50  | -11.87 | -0.0140<br>06 | ±2.5 | PASS |
| Band5 | 3MHz | 16QAM | 20415 | 15RB#0 | NV | -30 | 2.96   | 0.00358<br>6  | ±2.5 | PASS |
| Band5 | 3MHz | 16QAM | 20415 | 15RB#0 | NV | -20 | 10.66  | 0.01291<br>3  | ±2.5 | PASS |
| Band5 | 3MHz | 16QAM | 20415 | 15RB#0 | NV | -10 | 4.73   | 0.00573<br>0  | ±2.5 | PASS |
| Band5 | 3MHz | 16QAM | 20415 | 15RB#0 | NV | 0   | 4.15   | 0.00502<br>7  | ±2.5 | PASS |
| Band5 | 3MHz | 16QAM | 20415 | 15RB#0 | NV | 10  | 4.33   | 0.00524<br>5  | ±2.5 | PASS |
| Band5 | 3MHz | 16QAM | 20415 | 15RB#0 | NV | 20  | 9.50   | 0.01150<br>8  | ±2.5 | PASS |
| Band5 | 3MHz | 16QAM | 20415 | 15RB#0 | NV | 30  | 4.59   | 0.00556<br>0  | ±2.5 | PASS |
| Band5 | 3MHz | 16QAM | 20415 | 15RB#0 | NV | 40  | 7.10   | 0.00860<br>1  | ±2.5 | PASS |
| Band5 | 3MHz | 16QAM | 20415 | 15RB#0 | NV | 50  | 2.17   | 0.00262<br>9  | ±2.5 | PASS |

|       |      |       |       |        |    |     |        |               |      |      |
|-------|------|-------|-------|--------|----|-----|--------|---------------|------|------|
| Band5 | 3MHz | 16QAM | 20525 | 15RB#0 | NV | -30 | 1.66   | 0.00198<br>4  | ±2.5 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 15RB#0 | NV | -20 | -6.41  | -0.0076<br>63 | ±2.5 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 15RB#0 | NV | -10 | 2.56   | 0.00306<br>0  | ±2.5 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 15RB#0 | NV | 0   | -5.76  | -0.0068<br>86 | ±2.5 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 15RB#0 | NV | 10  | -2.62  | -0.0031<br>32 | ±2.5 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 15RB#0 | NV | 20  | -6.47  | -0.0077<br>35 | ±2.5 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 15RB#0 | NV | 30  | -4.68  | -0.0055<br>95 | ±2.5 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 15RB#0 | NV | 40  | 3.20   | 0.00382<br>5  | ±2.5 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 15RB#0 | NV | 50  | -5.85  | -0.0069<br>93 | ±2.5 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 15RB#0 | NV | -30 | -2.27  | -0.0026<br>78 | ±2.5 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 15RB#0 | NV | -20 | -6.91  | -0.0081<br>53 | ±2.5 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 15RB#0 | NV | -10 | -6.94  | -0.0081<br>89 | ±2.5 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 15RB#0 | NV | 0   | -6.18  | -0.0072<br>92 | ±2.5 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 15RB#0 | NV | 10  | -10.56 | -0.0124<br>60 | ±2.5 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 15RB#0 | NV | 20  | -9.53  | -0.01124<br>5 | ±2.5 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 15RB#0 | NV | 30  | -5.62  | -0.0066<br>31 | ±2.5 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 15RB#0 | NV | 40  | -5.81  | -0.0068<br>55 | ±2.5 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 15RB#0 | NV | 50  | -4.99  | -0.0058<br>88 | ±2.5 | PASS |
| Band5 | 5MHz | QPSK  | 20425 | 25RB#0 | NV | -30 | 6.55   | 0.00792       | ±2.5 | PASS |

|       |      |      |       |        |    |     |       |               |      |      |
|-------|------|------|-------|--------|----|-----|-------|---------------|------|------|
|       |      |      |       |        |    |     |       | 5             |      |      |
| Band5 | 5MHz | QPSK | 20425 | 25RB#0 | NV | -20 | -5.52 | -0.0066<br>79 | ±2.5 | PASS |
| Band5 | 5MHz | QPSK | 20425 | 25RB#0 | NV | -10 | -4.06 | -0.0049<br>12 | ±2.5 | PASS |
| Band5 | 5MHz | QPSK | 20425 | 25RB#0 | NV | 0   | 1.86  | 0.00225<br>0  | ±2.5 | PASS |
| Band5 | 5MHz | QPSK | 20425 | 25RB#0 | NV | 10  | 6.29  | 0.00761<br>0  | ±2.5 | PASS |
| Band5 | 5MHz | QPSK | 20425 | 25RB#0 | NV | 20  | 3.42  | 0.00413<br>8  | ±2.5 | PASS |
| Band5 | 5MHz | QPSK | 20425 | 25RB#0 | NV | 30  | 1.24  | 0.00150<br>0  | ±2.5 | PASS |
| Band5 | 5MHz | QPSK | 20425 | 25RB#0 | NV | 40  | -6.08 | -0.0073<br>56 | ±2.5 | PASS |
| Band5 | 5MHz | QPSK | 20425 | 25RB#0 | NV | 50  | -2.73 | -0.0033<br>03 | ±2.5 | PASS |
| Band5 | 5MHz | QPSK | 20525 | 25RB#0 | NV | -30 | -4.63 | -0.0055<br>35 | ±2.5 | PASS |
| Band5 | 5MHz | QPSK | 20525 | 25RB#0 | NV | -20 | -7.10 | -0.0084<br>88 | ±2.5 | PASS |
| Band5 | 5MHz | QPSK | 20525 | 25RB#0 | NV | -10 | -2.65 | -0.0031<br>68 | ±2.5 | PASS |
| Band5 | 5MHz | QPSK | 20525 | 25RB#0 | NV | 0   | 2.49  | 0.00297<br>7  | ±2.5 | PASS |
| Band5 | 5MHz | QPSK | 20525 | 25RB#0 | NV | 10  | -6.54 | -0.0078<br>18 | ±2.5 | PASS |
| Band5 | 5MHz | QPSK | 20525 | 25RB#0 | NV | 20  | -8.31 | -0.0099<br>34 | ±2.5 | PASS |
| Band5 | 5MHz | QPSK | 20525 | 25RB#0 | NV | 30  | -8.43 | -0.0100<br>78 | ±2.5 | PASS |
| Band5 | 5MHz | QPSK | 20525 | 25RB#0 | NV | 40  | -7.87 | -0.0094<br>08 | ±2.5 | PASS |
| Band5 | 5MHz | QPSK | 20525 | 25RB#0 | NV | 50  | -7.45 | -0.0089<br>06 | ±2.5 | PASS |
| Band5 | 5MHz | QPSK | 20625 | 25RB#0 | NV | -30 | 8.01  | 0.00946<br>2  | ±2.5 | PASS |

|       |      |       |       |        |    |     |       |               |      |      |
|-------|------|-------|-------|--------|----|-----|-------|---------------|------|------|
| Band5 | 5MHz | QPSK  | 20625 | 25RB#0 | NV | -20 | 1.10  | 0.00129<br>9  | ±2.5 | PASS |
| Band5 | 5MHz | QPSK  | 20625 | 25RB#0 | NV | -10 | 7.22  | 0.00852<br>9  | ±2.5 | PASS |
| Band5 | 5MHz | QPSK  | 20625 | 25RB#0 | NV | 0   | 3.86  | 0.00456<br>0  | ±2.5 | PASS |
| Band5 | 5MHz | QPSK  | 20625 | 25RB#0 | NV | 10  | 12.32 | 0.01455<br>4  | ±2.5 | PASS |
| Band5 | 5MHz | QPSK  | 20625 | 25RB#0 | NV | 20  | 2.80  | 0.00330<br>8  | ±2.5 | PASS |
| Band5 | 5MHz | QPSK  | 20625 | 25RB#0 | NV | 30  | 3.18  | 0.00375<br>7  | ±2.5 | PASS |
| Band5 | 5MHz | QPSK  | 20625 | 25RB#0 | NV | 40  | 5.48  | 0.00647<br>4  | ±2.5 | PASS |
| Band5 | 5MHz | QPSK  | 20625 | 25RB#0 | NV | 50  | -1.87 | -0.0022<br>09 | ±2.5 | PASS |
| Band5 | 5MHz | 16QAM | 20425 | 25RB#0 | NV | -30 | 8.38  | 0.01013<br>9  | ±2.5 | PASS |
| Band5 | 5MHz | 16QAM | 20425 | 25RB#0 | NV | -20 | -2.86 | -0.0034<br>60 | ±2.5 | PASS |
| Band5 | 5MHz | 16QAM | 20425 | 25RB#0 | NV | -10 | 5.89  | 0.00712<br>6  | ±2.5 | PASS |
| Band5 | 5MHz | 16QAM | 20425 | 25RB#0 | NV | 0   | 3.05  | 0.00369<br>0  | ±2.5 | PASS |
| Band5 | 5MHz | 16QAM | 20425 | 25RB#0 | NV | 10  | 2.99  | 0.00361<br>8  | ±2.5 | PASS |
| Band5 | 5MHz | 16QAM | 20425 | 25RB#0 | NV | 20  | 7.44  | 0.00900<br>2  | ±2.5 | PASS |
| Band5 | 5MHz | 16QAM | 20425 | 25RB#0 | NV | 30  | -1.77 | -0.0021<br>42 | ±2.5 | PASS |
| Band5 | 5MHz | 16QAM | 20425 | 25RB#0 | NV | 40  | -2.39 | -0.0028<br>92 | ±2.5 | PASS |
| Band5 | 5MHz | 16QAM | 20425 | 25RB#0 | NV | 50  | 5.15  | 0.00623<br>1  | ±2.5 | PASS |
| Band5 | 5MHz | 16QAM | 20525 | 25RB#0 | NV | -30 | -9.13 | -0.0109<br>15 | ±2.5 | PASS |
| Band5 | 5MHz | 16QAM | 20525 | 25RB#0 | NV | -20 | -5.34 | -0.0063       | ±2.5 | PASS |

|       |       |       |       |        |    |     |       |               |      |      |
|-------|-------|-------|-------|--------|----|-----|-------|---------------|------|------|
|       |       |       |       |        |    |     |       | 84            |      |      |
| Band5 | 5MHz  | 16QAM | 20525 | 25RB#0 | NV | -10 | 1.77  | 0.00211<br>6  | ±2.5 | PASS |
| Band5 | 5MHz  | 16QAM | 20525 | 25RB#0 | NV | 0   | -6.21 | -0.0074<br>24 | ±2.5 | PASS |
| Band5 | 5MHz  | 16QAM | 20525 | 25RB#0 | NV | 10  | -3.89 | -0.0046<br>50 | ±2.5 | PASS |
| Band5 | 5MHz  | 16QAM | 20525 | 25RB#0 | NV | 20  | -8.64 | -0.0103<br>29 | ±2.5 | PASS |
| Band5 | 5MHz  | 16QAM | 20525 | 25RB#0 | NV | 30  | -2.86 | -0.0034<br>19 | ±2.5 | PASS |
| Band5 | 5MHz  | 16QAM | 20525 | 25RB#0 | NV | 40  | -8.63 | -0.0103<br>17 | ±2.5 | PASS |
| Band5 | 5MHz  | 16QAM | 20525 | 25RB#0 | NV | 50  | -6.38 | -0.0076<br>27 | ±2.5 | PASS |
| Band5 | 5MHz  | 16QAM | 20625 | 25RB#0 | NV | -30 | 2.62  | 0.00309<br>5  | ±2.5 | PASS |
| Band5 | 5MHz  | 16QAM | 20625 | 25RB#0 | NV | -20 | -3.66 | -0.0043<br>24 | ±2.5 | PASS |
| Band5 | 5MHz  | 16QAM | 20625 | 25RB#0 | NV | -10 | 5.92  | 0.00699<br>4  | ±2.5 | PASS |
| Band5 | 5MHz  | 16QAM | 20625 | 25RB#0 | NV | 0   | 5.48  | 0.00647<br>4  | ±2.5 | PASS |
| Band5 | 5MHz  | 16QAM | 20625 | 25RB#0 | NV | 10  | 8.90  | 0.01051<br>4  | ±2.5 | PASS |
| Band5 | 5MHz  | 16QAM | 20625 | 25RB#0 | NV | 20  | 11.29 | 0.01333<br>7  | ±2.5 | PASS |
| Band5 | 5MHz  | 16QAM | 20625 | 25RB#0 | NV | 30  | 4.12  | 0.00486<br>7  | ±2.5 | PASS |
| Band5 | 5MHz  | 16QAM | 20625 | 25RB#0 | NV | 40  | -3.19 | -0.0037<br>68 | ±2.5 | PASS |
| Band5 | 5MHz  | 16QAM | 20625 | 25RB#0 | NV | 50  | 4.05  | 0.00478<br>4  | ±2.5 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 50RB#0 | NV | -30 | 7.37  | 0.00889<br>0  | ±2.5 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 50RB#0 | NV | -20 | 10.19 | 0.01229<br>2  | ±2.5 | PASS |

|       |       |      |       |        |    |     |       |               |      |      |
|-------|-------|------|-------|--------|----|-----|-------|---------------|------|------|
| Band5 | 10MHz | QPSK | 20450 | 50RB#0 | NV | -10 | 11.00 | 0.01326<br>9  | ±2.5 | PASS |
| Band5 | 10MHz | QPSK | 20450 | 50RB#0 | NV | 0   | 11.46 | 0.01382<br>4  | ±2.5 | PASS |
| Band5 | 10MHz | QPSK | 20450 | 50RB#0 | NV | 10  | 6.98  | 0.00842<br>0  | ±2.5 | PASS |
| Band5 | 10MHz | QPSK | 20450 | 50RB#0 | NV | 20  | 11.44 | 0.01380<br>0  | ±2.5 | PASS |
| Band5 | 10MHz | QPSK | 20450 | 50RB#0 | NV | 30  | 9.51  | 0.01147<br>2  | ±2.5 | PASS |
| Band5 | 10MHz | QPSK | 20450 | 50RB#0 | NV | 40  | 6.47  | 0.00780<br>5  | ±2.5 | PASS |
| Band5 | 10MHz | QPSK | 20450 | 50RB#0 | NV | 50  | 8.98  | 0.01083<br>2  | ±2.5 | PASS |
| Band5 | 10MHz | QPSK | 20525 | 50RB#0 | NV | -30 | -2.43 | -0.0029<br>05 | ±2.5 | PASS |
| Band5 | 10MHz | QPSK | 20525 | 50RB#0 | NV | -20 | -2.50 | -0.0029<br>89 | ±2.5 | PASS |
| Band5 | 10MHz | QPSK | 20525 | 50RB#0 | NV | -10 | -1.62 | -0.0019<br>37 | ±2.5 | PASS |
| Band5 | 10MHz | QPSK | 20525 | 50RB#0 | NV | 0   | -6.88 | -0.0082<br>25 | ±2.5 | PASS |
| Band5 | 10MHz | QPSK | 20525 | 50RB#0 | NV | 10  | 2.55  | 0.00304<br>8  | ±2.5 | PASS |
| Band5 | 10MHz | QPSK | 20525 | 50RB#0 | NV | 20  | -1.66 | -0.0019<br>84 | ±2.5 | PASS |
| Band5 | 10MHz | QPSK | 20525 | 50RB#0 | NV | 30  | -6.71 | -0.0080<br>22 | ±2.5 | PASS |
| Band5 | 10MHz | QPSK | 20525 | 50RB#0 | NV | 40  | 3.12  | 0.00373<br>0  | ±2.5 | PASS |
| Band5 | 10MHz | QPSK | 20525 | 50RB#0 | NV | 50  | -5.46 | -0.0065<br>27 | ±2.5 | PASS |
| Band5 | 10MHz | QPSK | 20600 | 50RB#0 | NV | -30 | -5.72 | -0.0067<br>77 | ±2.5 | PASS |
| Band5 | 10MHz | QPSK | 20600 | 50RB#0 | NV | -20 | -8.13 | -0.0096<br>33 | ±2.5 | PASS |
| Band5 | 10MHz | QPSK | 20600 | 50RB#0 | NV | -10 | -5.19 | -0.0061       | ±2.5 | PASS |

|       |       |       |       |        |    |     |       |           |      |      |
|-------|-------|-------|-------|--------|----|-----|-------|-----------|------|------|
|       |       |       |       |        |    |     |       | 49        |      |      |
| Band5 | 10MHz | QPSK  | 20600 | 50RB#0 | NV | 0   | -5.24 | -0.006209 | ±2.5 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 50RB#0 | NV | 10  | -1.87 | -0.002216 | ±2.5 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 50RB#0 | NV | 20  | -6.55 | -0.007761 | ±2.5 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 50RB#0 | NV | 30  | -4.91 | -0.005818 | ±2.5 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 50RB#0 | NV | 40  | 3.25  | 0.003851  | ±2.5 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 50RB#0 | NV | 50  | -3.93 | -0.004656 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 50RB#0 | NV | -30 | 8.80  | 0.010615  | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 50RB#0 | NV | -20 | 8.04  | 0.009698  | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 50RB#0 | NV | -10 | 9.97  | 0.012027  | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 50RB#0 | NV | 0   | 1.53  | 0.001846  | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 50RB#0 | NV | 10  | 6.15  | 0.007419  | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 50RB#0 | NV | 20  | 8.96  | 0.010808  | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 50RB#0 | NV | 30  | 4.76  | 0.005742  | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 50RB#0 | NV | 40  | 9.01  | 0.010869  | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 50RB#0 | NV | 50  | 9.06  | 0.010929  | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 50RB#0 | NV | -30 | -2.65 | -0.003168 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 50RB#0 | NV | -20 | -5.94 | -0.007101 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 50RB#0 | NV | -10 | -6.25 | -0.007472 | ±2.5 | PASS |

|       |       |       |       |        |    |     |       |               |      |      |
|-------|-------|-------|-------|--------|----|-----|-------|---------------|------|------|
| Band5 | 10MHz | 16QAM | 20525 | 50RB#0 | NV | 0   | -2.78 | -0.0033<br>23 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 50RB#0 | NV | 10  | -2.25 | -0.0026<br>90 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 50RB#0 | NV | 20  | -1.50 | -0.0017<br>93 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 50RB#0 | NV | 30  | -6.79 | -0.00811<br>7 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 50RB#0 | NV | 40  | 2.83  | 0.00338<br>3  | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 50RB#0 | NV | 50  | -3.58 | -0.0042<br>80 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 50RB#0 | NV | -30 | -5.49 | -0.0065<br>05 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 50RB#0 | NV | -20 | -3.02 | -0.0035<br>78 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 50RB#0 | NV | -10 | 3.56  | 0.00421<br>8  | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 50RB#0 | NV | 0   | -7.47 | -0.0088<br>51 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 50RB#0 | NV | 10  | -6.75 | -0.0079<br>98 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 50RB#0 | NV | 20  | -4.19 | -0.0049<br>64 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 50RB#0 | NV | 30  | -2.43 | -0.0028<br>79 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 50RB#0 | NV | 40  | -3.45 | -0.0040<br>88 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 50RB#0 | NV | 50  | -6.14 | -0.0072<br>75 | ±2.5 | PASS |

# LTE Band5

## 64QAM Test Data

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

#### Test Result

| Band  | Bandwidth | Modulation | Channel | RB Configuration | Result(dBm) | Verdict |
|-------|-----------|------------|---------|------------------|-------------|---------|
| Band5 | 1.4MHz    | 64QAM      | 20407   | 1RB#0            | 22.65       | PASS    |
| Band5 | 1.4MHz    | 64QAM      | 20407   | 1RB#2            | 22.68       | PASS    |
| Band5 | 1.4MHz    | 64QAM      | 20407   | 1RB#5            | 22.64       | PASS    |
| Band5 | 1.4MHz    | 64QAM      | 20407   | 3RB#0            | 22.52       | PASS    |
| Band5 | 1.4MHz    | 64QAM      | 20407   | 3RB#1            | 22.57       | PASS    |
| Band5 | 1.4MHz    | 64QAM      | 20407   | 3RB#3            | 22.50       | PASS    |
| Band5 | 1.4MHz    | 64QAM      | 20407   | 6RB#0            | 21.41       | PASS    |
| Band5 | 1.4MHz    | 64QAM      | 20525   | 1RB#0            | 23.14       | PASS    |
| Band5 | 1.4MHz    | 64QAM      | 20525   | 1RB#2            | 23.08       | PASS    |
| Band5 | 1.4MHz    | 64QAM      | 20525   | 1RB#5            | 23.07       | PASS    |
| Band5 | 1.4MHz    | 64QAM      | 20525   | 3RB#0            | 22.72       | PASS    |
| Band5 | 1.4MHz    | 64QAM      | 20525   | 3RB#1            | 22.76       | PASS    |
| Band5 | 1.4MHz    | 64QAM      | 20525   | 3RB#3            | 22.66       | PASS    |
| Band5 | 1.4MHz    | 64QAM      | 20525   | 6RB#0            | 21.57       | PASS    |
| Band5 | 1.4MHz    | 64QAM      | 20643   | 1RB#0            | 22.86       | PASS    |
| Band5 | 1.4MHz    | 64QAM      | 20643   | 1RB#2            | 22.92       | PASS    |
| Band5 | 1.4MHz    | 64QAM      | 20643   | 1RB#5            | 22.79       | PASS    |
| Band5 | 1.4MHz    | 64QAM      | 20643   | 3RB#0            | 22.61       | PASS    |
| Band5 | 1.4MHz    | 64QAM      | 20643   | 3RB#1            | 22.68       | PASS    |
| Band5 | 1.4MHz    | 64QAM      | 20643   | 3RB#3            | 22.61       | PASS    |
| Band5 | 1.4MHz    | 64QAM      | 20643   | 6RB#0            | 21.71       | PASS    |
| Band5 | 3MHz      | 64QAM      | 20415   | 1RB#0            | 22.92       | PASS    |
| Band5 | 3MHz      | 64QAM      | 20415   | 1RB#8            | 22.87       | PASS    |
| Band5 | 3MHz      | 64QAM      | 20415   | 1RB#14           | 22.82       | PASS    |
| Band5 | 3MHz      | 64QAM      | 20415   | 8RB#0            | 21.51       | PASS    |
| Band5 | 3MHz      | 64QAM      | 20415   | 8RB#4            | 21.45       | PASS    |
| Band5 | 3MHz      | 64QAM      | 20415   | 8RB#7            | 21.49       | PASS    |

|       |       |       |       |         |       |      |
|-------|-------|-------|-------|---------|-------|------|
| Band5 | 3MHz  | 64QAM | 20415 | 15RB#0  | 21.50 | PASS |
| Band5 | 3MHz  | 64QAM | 20525 | 1RB#0   | 22.97 | PASS |
| Band5 | 3MHz  | 64QAM | 20525 | 1RB#8   | 22.90 | PASS |
| Band5 | 3MHz  | 64QAM | 20525 | 1RB#14  | 23.00 | PASS |
| Band5 | 3MHz  | 64QAM | 20525 | 8RB#0   | 21.69 | PASS |
| Band5 | 3MHz  | 64QAM | 20525 | 8RB#4   | 21.66 | PASS |
| Band5 | 3MHz  | 64QAM | 20525 | 8RB#7   | 21.67 | PASS |
| Band5 | 3MHz  | 64QAM | 20525 | 15RB#0  | 21.73 | PASS |
| Band5 | 3MHz  | 64QAM | 20635 | 1RB#0   | 22.92 | PASS |
| Band5 | 3MHz  | 64QAM | 20635 | 1RB#8   | 22.87 | PASS |
| Band5 | 3MHz  | 64QAM | 20635 | 1RB#14  | 22.78 | PASS |
| Band5 | 3MHz  | 64QAM | 20635 | 8RB#0   | 21.77 | PASS |
| Band5 | 3MHz  | 64QAM | 20635 | 8RB#4   | 21.82 | PASS |
| Band5 | 3MHz  | 64QAM | 20635 | 8RB#7   | 21.75 | PASS |
| Band5 | 3MHz  | 64QAM | 20635 | 15RB#0  | 21.65 | PASS |
| Band5 | 5MHz  | 64QAM | 20425 | 1RB#0   | 22.87 | PASS |
| Band5 | 5MHz  | 64QAM | 20425 | 1RB#12  | 22.85 | PASS |
| Band5 | 5MHz  | 64QAM | 20425 | 1RB#24  | 22.84 | PASS |
| Band5 | 5MHz  | 64QAM | 20425 | 12RB#0  | 21.69 | PASS |
| Band5 | 5MHz  | 64QAM | 20425 | 12RB#6  | 21.66 | PASS |
| Band5 | 5MHz  | 64QAM | 20425 | 12RB#13 | 21.70 | PASS |
| Band5 | 5MHz  | 64QAM | 20425 | 25RB#0  | 21.54 | PASS |
| Band5 | 5MHz  | 64QAM | 20525 | 1RB#0   | 23.03 | PASS |
| Band5 | 5MHz  | 64QAM | 20525 | 1RB#12  | 22.94 | PASS |
| Band5 | 5MHz  | 64QAM | 20525 | 1RB#24  | 22.98 | PASS |
| Band5 | 5MHz  | 64QAM | 20525 | 12RB#0  | 21.82 | PASS |
| Band5 | 5MHz  | 64QAM | 20525 | 12RB#6  | 21.82 | PASS |
| Band5 | 5MHz  | 64QAM | 20525 | 12RB#13 | 21.72 | PASS |
| Band5 | 5MHz  | 64QAM | 20525 | 25RB#0  | 21.77 | PASS |
| Band5 | 5MHz  | 64QAM | 20625 | 1RB#0   | 23.00 | PASS |
| Band5 | 5MHz  | 64QAM | 20625 | 1RB#12  | 23.03 | PASS |
| Band5 | 5MHz  | 64QAM | 20625 | 1RB#24  | 23.01 | PASS |
| Band5 | 5MHz  | 64QAM | 20625 | 12RB#0  | 21.78 | PASS |
| Band5 | 5MHz  | 64QAM | 20625 | 12RB#6  | 21.83 | PASS |
| Band5 | 5MHz  | 64QAM | 20625 | 12RB#13 | 21.69 | PASS |
| Band5 | 5MHz  | 64QAM | 20625 | 25RB#0  | 21.70 | PASS |
| Band5 | 10MHz | 64QAM | 20450 | 1RB#0   | 23.01 | PASS |

|       |       |       |       |         |       |      |
|-------|-------|-------|-------|---------|-------|------|
| Band5 | 10MHz | 64QAM | 20450 | 1RB#24  | 23.00 | PASS |
| Band5 | 10MHz | 64QAM | 20450 | 1RB#49  | 22.90 | PASS |
| Band5 | 10MHz | 64QAM | 20450 | 25RB#0  | 21.59 | PASS |
| Band5 | 10MHz | 64QAM | 20450 | 25RB#12 | 21.64 | PASS |
| Band5 | 10MHz | 64QAM | 20450 | 25RB#25 | 21.55 | PASS |
| Band5 | 10MHz | 64QAM | 20450 | 50RB#0  | 21.63 | PASS |
| Band5 | 10MHz | 64QAM | 20525 | 1RB#0   | 22.99 | PASS |
| Band5 | 10MHz | 64QAM | 20525 | 1RB#24  | 23.02 | PASS |
| Band5 | 10MHz | 64QAM | 20525 | 1RB#49  | 22.86 | PASS |
| Band5 | 10MHz | 64QAM | 20525 | 25RB#0  | 21.82 | PASS |
| Band5 | 10MHz | 64QAM | 20525 | 25RB#12 | 21.77 | PASS |
| Band5 | 10MHz | 64QAM | 20525 | 25RB#25 | 21.66 | PASS |
| Band5 | 10MHz | 64QAM | 20525 | 50RB#0  | 21.72 | PASS |
| Band5 | 10MHz | 64QAM | 20600 | 1RB#0   | 22.95 | PASS |
| Band5 | 10MHz | 64QAM | 20600 | 1RB#24  | 22.87 | PASS |
| Band5 | 10MHz | 64QAM | 20600 | 1RB#49  | 22.94 | PASS |
| Band5 | 10MHz | 64QAM | 20600 | 25RB#0  | 21.69 | PASS |
| Band5 | 10MHz | 64QAM | 20600 | 25RB#12 | 21.68 | PASS |
| Band5 | 10MHz | 64QAM | 20600 | 25RB#25 | 21.73 | PASS |
| Band5 | 10MHz | 64QAM | 20600 | 50RB#0  | 21.65 | PASS |

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

### Test Result

| Band  | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|-------|-----------|------------|---------|------------------|------------|-----------|---------|
| Band5 | 1.4MHz    | 64QAM      | 20407   | 6RB#0            | 5.98       | 13        | PASS    |
| Band5 | 1.4MHz    | 64QAM      | 20525   | 6RB#0            | 6.21       | 13        | PASS    |
| Band5 | 1.4MHz    | 64QAM      | 20643   | 6RB#0            | 5.74       | 13        | PASS    |
| Band5 | 3MHz      | 64QAM      | 20415   | 15RB#0           | 5.96       | 13        | PASS    |
| Band5 | 3MHz      | 64QAM      | 20525   | 15RB#0           | 6.07       | 13        | PASS    |
| Band5 | 3MHz      | 64QAM      | 20635   | 15RB#0           | 5.77       | 13        | PASS    |
| Band5 | 5MHz      | 64QAM      | 20425   | 25RB#0           | 5.96       | 13        | PASS    |
| Band5 | 5MHz      | 64QAM      | 20525   | 25RB#0           | 6.07       | 13        | PASS    |
| Band5 | 5MHz      | 64QAM      | 20625   | 25RB#0           | 5.71       | 13        | PASS    |
| Band5 | 10MHz     | 64QAM      | 20450   | 50RB#0           | 6.05       | 13        | PASS    |
| Band5 | 10MHz     | 64QAM      | 20525   | 50RB#0           | 6.05       | 13        | PASS    |
| Band5 | 10MHz     | 64QAM      | 20600   | 50RB#0           | 5.81       | 13        | PASS    |

## Test Graphs

Band5-1.4MHz-64QAM-20407-6RB#0



Band5-1.4MHz-64QAM-20525-6RB#0



Band5-1.4MHz-64QAM-20643-6RB#0



### Band5-3MHz-64QAM-20415-15RB#0



### Band5-3MHz-64QAM-20525-15RB#0



### Band5-3MHz-64QAM-20635-15RB#0



### Band5-5MHz-64QAM-20425-25RB#0



Band5-5MHz-64QAM-20525-25RB#0



Band5-5MHz-64QAM-20625-25RB#0



Band5-10MHz-64QAM-20450-50RB#0



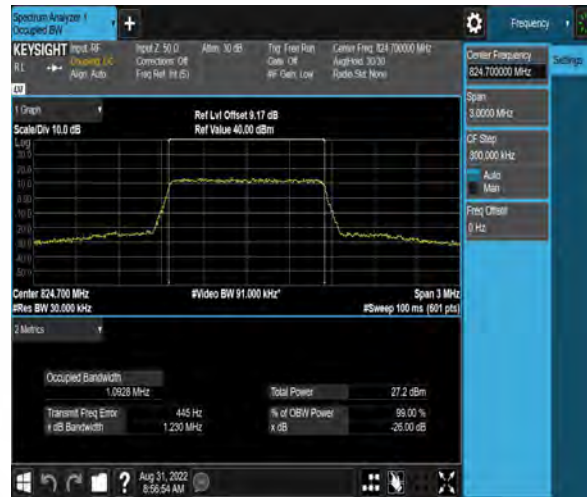
## Appendix C: 26dB Bandwidth and Occupied Bandwidth

### Test Result

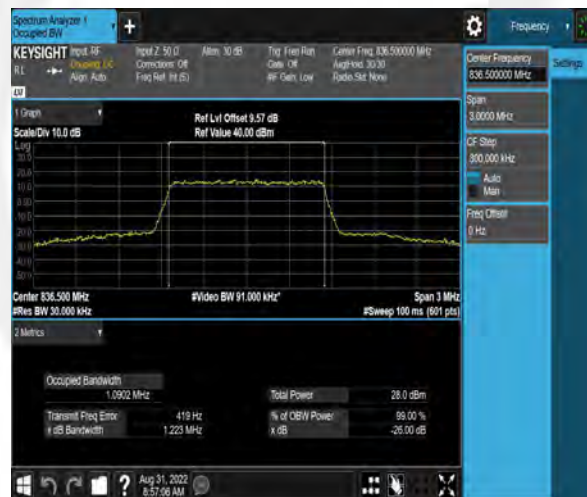
| Band  | Bandwidth | Modulation | Channel | RB Configuration | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|-------|-----------|------------|---------|------------------|--------------------------|----------------------|---------|
| Band5 | 1.4MHz    | 64QAM      | 20407   | 6RB#0            | 1.0928                   | 1.230                | PASS    |
| Band5 | 1.4MHz    | 64QAM      | 20525   | 6RB#0            | 1.0902                   | 1.223                | PASS    |
| Band5 | 1.4MHz    | 64QAM      | 20643   | 6RB#0            | 1.0889                   | 1.222                | PASS    |
| Band5 | 3MHz      | 64QAM      | 20415   | 15RB#0           | 2.6995                   | 2.926                | PASS    |
| Band5 | 3MHz      | 64QAM      | 20525   | 15RB#0           | 2.6901                   | 2.931                | PASS    |
| Band5 | 3MHz      | 64QAM      | 20635   | 15RB#0           | 2.6951                   | 2.944                | PASS    |
| Band5 | 5MHz      | 64QAM      | 20425   | 25RB#0           | 4.4989                   | 4.807                | PASS    |
| Band5 | 5MHz      | 64QAM      | 20525   | 25RB#0           | 4.4994                   | 4.886                | PASS    |
| Band5 | 5MHz      | 64QAM      | 20625   | 25RB#0           | 4.5120                   | 4.855                | PASS    |
| Band5 | 10MHz     | 64QAM      | 20450   | 50RB#0           | 8.9925                   | 9.545                | PASS    |
| Band5 | 10MHz     | 64QAM      | 20525   | 50RB#0           | 8.9669                   | 9.552                | PASS    |
| Band5 | 10MHz     | 64QAM      | 20600   | 50RB#0           | 8.9455                   | 9.521                | PASS    |

## Test Graphs

Band5-1.4MHz-64QAM-20407-6RB#0



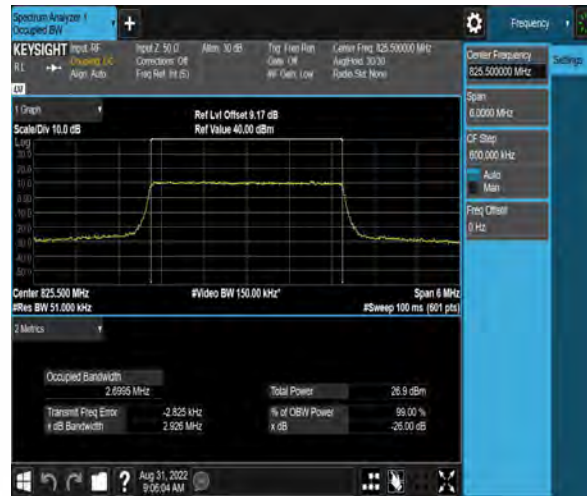
Band5-1.4MHz-64QAM-20525-6RB#0



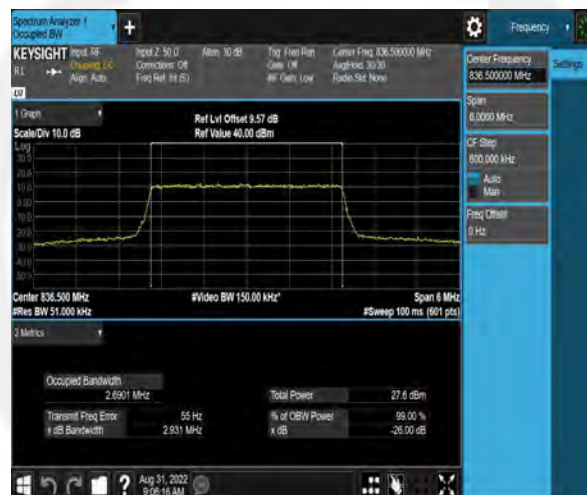
Band5-1.4MHz-64QAM-20643-6RB#0



Band5-3MHz-64QAM-20415-15RB#0



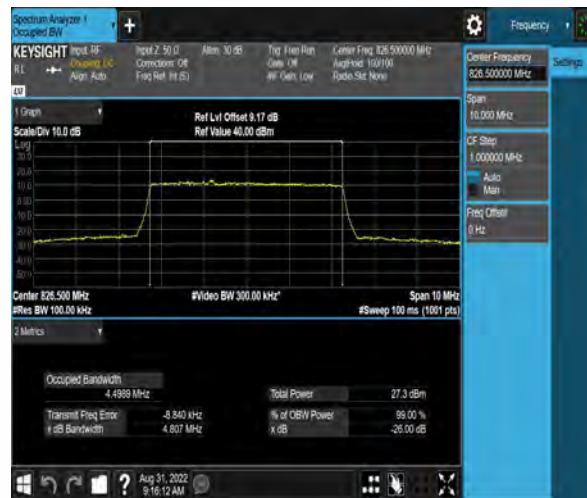
Band5-3MHz-64QAM-20525-15RB#0



Band5-3MHz-64QAM-20635-15RB#0



Band5-5MHz-64QAM-20425-25RB#0



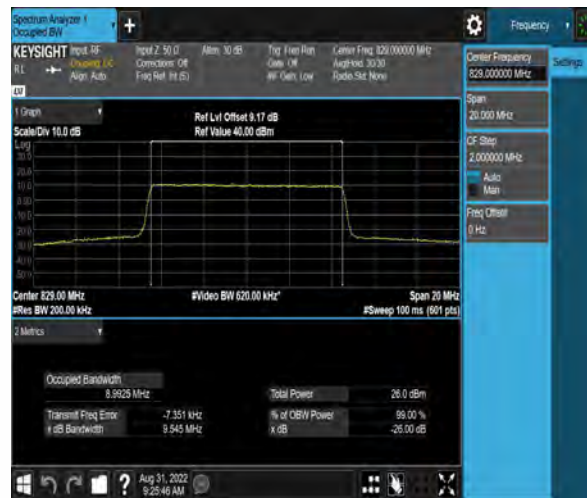
**Band5-5MHz-64QAM-20525-25RB#0**



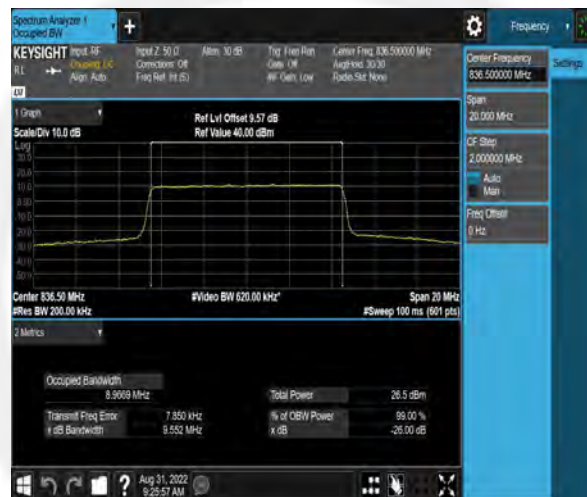
**Band5-5MHz-64QAM-20625-25RB#0**



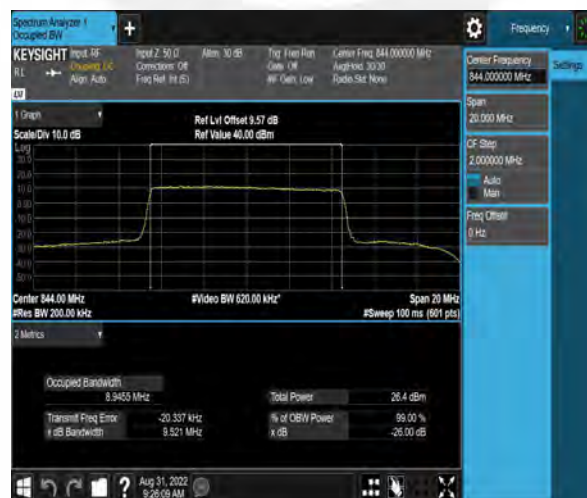
**Band5-10MHz-64QAM-20450-50RB#0**



Band5-10MHz-64QAM-20525-50RB#0



Band5-10MHz-64QAM-20600-50RB#0



## Appendix D: Band Edge

### Test Result

| Band  | Bandwidth | Modulation | Channel | RB Config. | Result (dBm) | Verdict |
|-------|-----------|------------|---------|------------|--------------|---------|
| Band5 | 1.4MHz    | 64QAM      | 20407   | 6RB#0      | -25.94       | PASS    |
| Band5 | 1.4MHz    | 64QAM      | 20643   | 6RB#0      | -24.46       | PASS    |
| Band5 | 3MHz      | 64QAM      | 20415   | 15RB#0     | -22.11       | PASS    |
| Band5 | 3MHz      | 64QAM      | 20635   | 15RB#0     | -21.37       | PASS    |
| Band5 | 5MHz      | 64QAM      | 20425   | 25RB#0     | -23.29       | PASS    |
| Band5 | 5MHz      | 64QAM      | 20625   | 25RB#0     | -23.36       | PASS    |
| Band5 | 10MHz     | 64QAM      | 20450   | 50RB#0     | -24.31       | PASS    |
| Band5 | 10MHz     | 64QAM      | 20600   | 50RB#0     | -26.21       | PASS    |

## Test Graphs

Band5-1.4MHz-64QAM-20407-6RB#0



Band5-1.4MHz-64QAM-20643-6RB#0



Band5-3MHz-64QAM-20415-15RB#0



Band5-3MHz-64QAM-20635-15RB#0



Band5-5MHz-64QAM-20425-25RB#0



Band5-5MHz-64QAM-20625-25RB#0



Band5-10MHz-64QAM-20450-50RB#0



Band5-10MHz-64QAM-20600-50RB#0



## Appendix E: Conducted Spurious Emission

### Test Result

| Band  | Bandwidth | Modulation | Channel | RB Configuration | Frequency Range      | Result (dBm) | Verdict |
|-------|-----------|------------|---------|------------------|----------------------|--------------|---------|
| Band5 | 1.4MHz    | 64QAM      | 20407   | 1RB#0            | Range1:30~1000MHz    | -45.35       | PASS    |
| Band5 | 1.4MHz    | 64QAM      | 20407   | 1RB#0            | Range2:1000~10000MHz | -36.56       | PASS    |
| Band5 | 1.4MHz    | 64QAM      | 20525   | 1RB#0            | Range1:30~1000MHz    | -45.85       | PASS    |
| Band5 | 1.4MHz    | 64QAM      | 20525   | 1RB#0            | Range2:1000~10000MHz | -35.77       | PASS    |
| Band5 | 1.4MHz    | 64QAM      | 20643   | 1RB#0            | Range1:30~1000MHz    | -46.06       | PASS    |
| Band5 | 1.4MHz    | 64QAM      | 20643   | 1RB#0            | Range2:1000~10000MHz | -32.47       | PASS    |
| Band5 | 3MHz      | 64QAM      | 20415   | 1RB#0            | Range1:30~1000MHz    | -45.95       | PASS    |
| Band5 | 3MHz      | 64QAM      | 20415   | 1RB#0            | Range2:1000~10000MHz | -36.49       | PASS    |
| Band5 | 3MHz      | 64QAM      | 20525   | 1RB#0            | Range1:30~1000MHz    | -46.09       | PASS    |
| Band5 | 3MHz      | 64QAM      | 20525   | 1RB#0            | Range2:1000~10000MHz | -35.1        | PASS    |
| Band5 | 3MHz      | 64QAM      | 20635   | 1RB#0            | Range1:30~1000MHz    | -45.89       | PASS    |
| Band5 | 3MHz      | 64QAM      | 20635   | 1RB#0            | Range2:1000~10000MHz | -36.65       | PASS    |
| Band5 | 5MHz      | 64QAM      | 20425   | 1RB#0            | Range1:30~1000MHz    | -45.62       | PASS    |
| Band5 | 5MHz      | 64QAM      | 20425   | 1RB#0            | Range2:1000~10000MHz | -36.09       | PASS    |
| Band5 | 5MHz      | 64QAM      | 20525   | 1RB#0            | Range1:30~1000MHz    | -44.99       | PASS    |
| Band5 | 5MHz      | 64QAM      | 20525   | 1RB#0            | Range2:1000~10000MHz | -35.13       | PASS    |
| Band5 | 5MHz      | 64QAM      | 20625   | 1RB#0            | Range1:30~1000MHz    | -46.04       | PASS    |

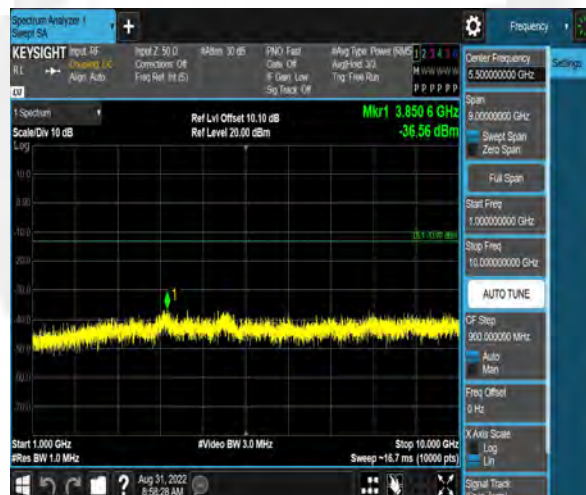
|       |       |       |       |       |                      |        |      |
|-------|-------|-------|-------|-------|----------------------|--------|------|
|       |       |       |       |       | 00MHz                |        |      |
| Band5 | 5MHz  | 64QAM | 20625 | 1RB#0 | Range2:1000~10000MHz | -35.88 | PASS |
| Band5 | 10MHz | 64QAM | 20450 | 1RB#0 | Range1:30~1000MHz    | -46.03 | PASS |
| Band5 | 10MHz | 64QAM | 20450 | 1RB#0 | Range2:1000~10000MHz | -35.66 | PASS |
| Band5 | 10MHz | 64QAM | 20525 | 1RB#0 | Range1:30~1000MHz    | -45.98 | PASS |
| Band5 | 10MHz | 64QAM | 20525 | 1RB#0 | Range2:1000~10000MHz | -36.27 | PASS |
| Band5 | 10MHz | 64QAM | 20600 | 1RB#0 | Range1:30~1000MHz    | -45.83 | PASS |
| Band5 | 10MHz | 64QAM | 20600 | 1RB#0 | Range2:1000~10000MHz | -34.19 | PASS |

## Test Graphs

Band5-1.4MHz-64QAM-20407-1RB#0-Range1:30~1000MHz



Band5-1.4MHz-64QAM-20407-1RB#0-Range2:1000~10000MHz



Band5-1.4MHz-64QAM-20525-1RB#0-Range1:30~1000MHz



Band5-1.4MHz-64QAM-20525-1RB#0-Range2:1000~10000MHz



Band5-1.4MHz-64QAM-20643-1RB#0-Range1:30~1000MHz



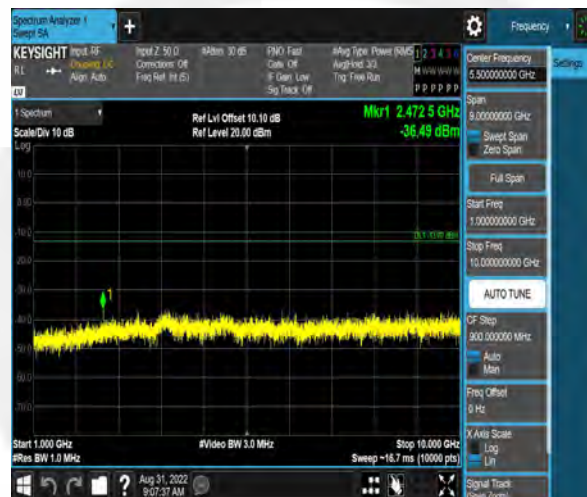
Band5-1.4MHz-64QAM-20643-1RB#0-Range2:1000~10000MHz



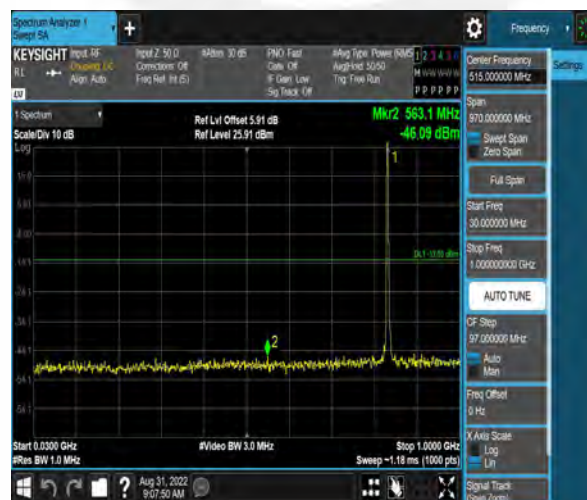
Band5-3MHz-64QAM-20415-1RB#0-Range1:30~1000MHz



Band5-3MHz-64QAM-20415-1RB#0-Range2:1000~10000MHz



Band5-3MHz-64QAM-20525-1RB#0-Range1:30~1000MHz



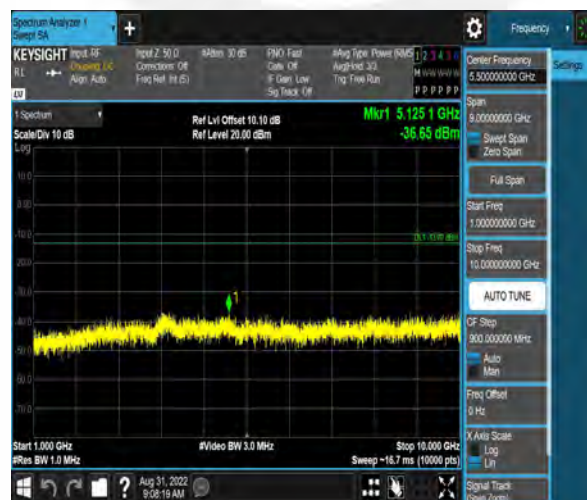
Band5-3MHz-64QAM-20525-1RB#0-Range2:1000~10000MHz



Band5-3MHz-64QAM-20635-1RB#0-Range1:30~1000MHz



Band5-3MHz-64QAM-20635-1RB#0-Range2:1000~10000MHz



Band5-5MHz-64QAM-20425-1RB#0-Range1:30~1000MHz



Band5-5MHz-64QAM-20425-1RB#0-Range2:1000~10000MHz



Band5-5MHz-64QAM-20525-1RB#0-Range1:30~1000MHz



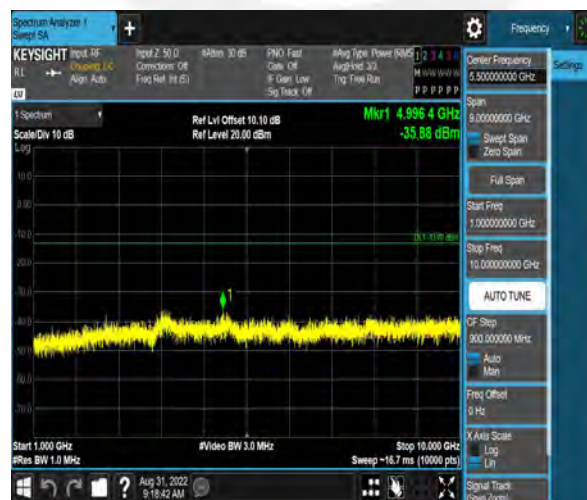
Band5-5MHz-64QAM-20525-1RB#0-Range2:1000~10000MHz



Band5-5MHz-64QAM-20625-1RB#0-Range1:30~1000MHz



Band5-5MHz-64QAM-20625-1RB#0-Range2:1000~10000MHz



Band5-10MHz-64QAM-20450-1RB#0-Range1:30~1000MHz



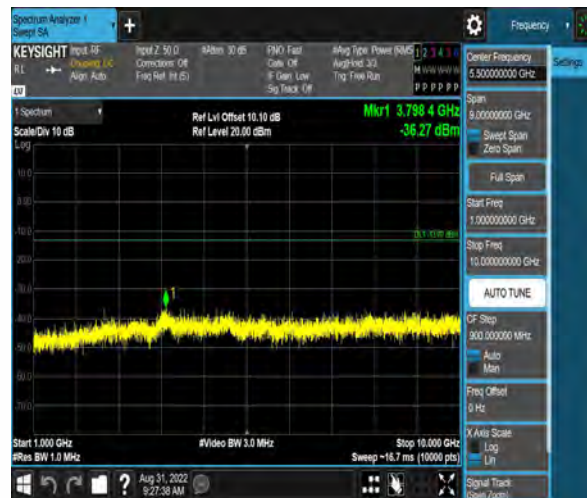
Band5-10MHz-64QAM-20450-1RB#0-Range2:1000~10000MHz



Band5-10MHz-64QAM-20525-1RB#0-Range1:30~1000MHz



Band5-10MHz-64QAM-20525-1RB#0-Range2:1000~10000MHz



## Appendix F: Frequency Stability

### Test Result

| Voltage |           |            |         |              |               |                  |                |                 |             |         |
|---------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band    | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| Band5   | 1.4MHz    | 64QAM      | 20407   | 6RB#0        | VL            | NT               | -18.35         | -0.022251       | ±2.5        | PASS    |
| Band5   | 1.4MHz    | 64QAM      | 20407   | 6RB#0        | VN            | NT               | -26.75         | -0.032436       | ±2.5        | PASS    |
| Band5   | 1.4MHz    | 64QAM      | 20407   | 6RB#0        | VH            | NT               | -13.26         | -0.016079       | ±2.5        | PASS    |
| Band5   | 1.4MHz    | 64QAM      | 20525   | 6RB#0        | VL            | NT               | -3.83          | -0.004579       | ±2.5        | PASS    |
| Band5   | 1.4MHz    | 64QAM      | 20525   | 6RB#0        | VN            | NT               | 9.06           | 0.010831        | ±2.5        | PASS    |
| Band5   | 1.4MHz    | 64QAM      | 20525   | 6RB#0        | VH            | NT               | 2.30           | 0.002750        | ±2.5        | PASS    |
| Band5   | 1.4MHz    | 64QAM      | 20643   | 6RB#0        | VL            | NT               | -5.01          | -0.005906       | ±2.5        | PASS    |
| Band5   | 1.4MHz    | 64QAM      | 20643   | 6RB#0        | VN            | NT               | 5.05           | 0.005953        | ±2.5        | PASS    |
| Band5   | 1.4MHz    | 64QAM      | 20643   | 6RB#0        | VH            | NT               | -9.14          | -0.010774       | ±2.5        | PASS    |
| Band5   | 3MHz      | 64QAM      | 20415   | 15RB#0       | VL            | NT               | -1.92          | -0.002326       | ±2.5        | PASS    |
| Band5   | 3MHz      | 64QAM      | 20415   | 15RB#0       | VN            | NT               | 4.58           | 0.005548        | ±2.5        | PASS    |
| Band5   | 3MHz      | 64QAM      | 20415   | 15RB#0       | VH            | NT               | 6.19           | 0.007498        | ±2.5        | PASS    |
| Band5   | 3MHz      | 64QAM      | 20525   | 15RB#0       | VL            | NT               | -2.55          | -0.003048       | ±2.5        | PASS    |
| Band5   | 3MHz      | 64QAM      | 20525   | 15RB#0       | VN            | NT               | 3.58           | 0.004280        | ±2.5        | PASS    |
| Band5   | 3MHz      | 64QAM      | 20525   | 15RB#0       | VH            | NT               | -6.92          | -0.008273       | ±2.5        | PASS    |
| Band5   | 3MHz      | 64QAM      | 20635   | 15RB#0       | VL            | NT               | -10.04         | -0.011847       | ±2.5        | PASS    |

|       |       |       |       |        |    |    |       |           |      |      |
|-------|-------|-------|-------|--------|----|----|-------|-----------|------|------|
| Band5 | 3MHz  | 64QAM | 20635 | 15RB#0 | VN | NT | -3.48 | -0.004106 | ±2.5 | PASS |
| Band5 | 3MHz  | 64QAM | 20635 | 15RB#0 | VH | NT | -9.54 | -0.011257 | ±2.5 | PASS |
| Band5 | 5MHz  | 64QAM | 20425 | 25RB#0 | VL | NT | -4.02 | -0.004864 | ±2.5 | PASS |
| Band5 | 5MHz  | 64QAM | 20425 | 25RB#0 | VN | NT | -3.42 | -0.004138 | ±2.5 | PASS |
| Band5 | 5MHz  | 64QAM | 20425 | 25RB#0 | VH | NT | 7.08  | 0.008566  | ±2.5 | PASS |
| Band5 | 5MHz  | 64QAM | 20525 | 25RB#0 | VL | NT | -7.77 | -0.009289 | ±2.5 | PASS |
| Band5 | 5MHz  | 64QAM | 20525 | 25RB#0 | VN | NT | -6.41 | -0.007663 | ±2.5 | PASS |
| Band5 | 5MHz  | 64QAM | 20525 | 25RB#0 | VH | NT | -2.72 | -0.003252 | ±2.5 | PASS |
| Band5 | 5MHz  | 64QAM | 20625 | 25RB#0 | VL | NT | 6.01  | 0.007100  | ±2.5 | PASS |
| Band5 | 5MHz  | 64QAM | 20625 | 25RB#0 | VN | NT | 3.42  | 0.004040  | ±2.5 | PASS |
| Band5 | 5MHz  | 64QAM | 20625 | 25RB#0 | VH | NT | 5.36  | 0.006332  | ±2.5 | PASS |
| Band5 | 10MHz | 64QAM | 20450 | 50RB#0 | VL | NT | 6.11  | 0.007370  | ±2.5 | PASS |
| Band5 | 10MHz | 64QAM | 20450 | 50RB#0 | VN | NT | 6.75  | 0.008142  | ±2.5 | PASS |
| Band5 | 10MHz | 64QAM | 20450 | 50RB#0 | VH | NT | 5.71  | 0.006888  | ±2.5 | PASS |
| Band5 | 10MHz | 64QAM | 20525 | 50RB#0 | VL | NT | -8.27 | -0.009886 | ±2.5 | PASS |
| Band5 | 10MHz | 64QAM | 20525 | 50RB#0 | VN | NT | -2.57 | -0.003072 | ±2.5 | PASS |
| Band5 | 10MHz | 64QAM | 20525 | 50RB#0 | VH | NT | -4.19 | -0.005009 | ±2.5 | PASS |
| Band5 | 10MHz | 64QAM | 20600 | 50RB#0 | VL | NT | -7.18 | -0.008507 | ±2.5 | PASS |
| Band5 | 10MHz | 64QAM | 20600 | 50RB#0 | VN | NT | -5.59 | -0.0066   | ±2.5 | PASS |

|       |       |       |       |        |    |    |       |               |      |      |
|-------|-------|-------|-------|--------|----|----|-------|---------------|------|------|
|       |       |       |       |        |    |    |       | 23            |      |      |
| Band5 | 10MHz | 64QAM | 20600 | 50RB#0 | VH | NT | -8.41 | -0.0099<br>64 | ±2.5 | PASS |

| Voltage |           |            |         |              |               |                  |                |                 |             |         |
|---------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band    | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| Band5   | 1.4MHz    | 64QAM      | 20407   | 6RB#0        | NV            | -30              | -14.61         | -0.0177<br>16   | ±2.5        | PASS    |
| Band5   | 1.4MHz    | 64QAM      | 20407   | 6RB#0        | NV            | -20              | -10.77         | -0.0130<br>59   | ±2.5        | PASS    |
| Band5   | 1.4MHz    | 64QAM      | 20407   | 6RB#0        | NV            | -10              | -8.25          | -0.0100<br>04   | ±2.5        | PASS    |
| Band5   | 1.4MHz    | 64QAM      | 20407   | 6RB#0        | NV            | 0                | -6.25          | -0.0075<br>79   | ±2.5        | PASS    |
| Band5   | 1.4MHz    | 64QAM      | 20407   | 6RB#0        | NV            | 10               | -2.43          | -0.0029<br>47   | ±2.5        | PASS    |
| Band5   | 1.4MHz    | 64QAM      | 20407   | 6RB#0        | NV            | 20               | -7.60          | -0.0092<br>15   | ±2.5        | PASS    |
| Band5   | 1.4MHz    | 64QAM      | 20407   | 6RB#0        | NV            | 30               | -6.24          | -0.0075<br>66   | ±2.5        | PASS    |
| Band5   | 1.4MHz    | 64QAM      | 20407   | 6RB#0        | NV            | 40               | -2.20          | -0.0026<br>68   | ±2.5        | PASS    |
| Band5   | 1.4MHz    | 64QAM      | 20407   | 6RB#0        | NV            | 50               | -0.97          | -0.00117<br>6   | ±2.5        | PASS    |
| Band5   | 1.4MHz    | 64QAM      | 20525   | 6RB#0        | NV            | -30              | -9.63          | -0.01151<br>2   | ±2.5        | PASS    |
| Band5   | 1.4MHz    | 64QAM      | 20525   | 6RB#0        | NV            | -20              | -7.32          | -0.0087<br>51   | ±2.5        | PASS    |
| Band5   | 1.4MHz    | 64QAM      | 20525   | 6RB#0        | NV            | -10              | -3.56          | -0.0042<br>56   | ±2.5        | PASS    |
| Band5   | 1.4MHz    | 64QAM      | 20525   | 6RB#0        | NV            | 0                | -11.96         | -0.0142<br>98   | ±2.5        | PASS    |
| Band5   | 1.4MHz    | 64QAM      | 20525   | 6RB#0        | NV            | 10               | -11.59         | -0.0138<br>55   | ±2.5        | PASS    |
| Band5   | 1.4MHz    | 64QAM      | 20525   | 6RB#0        | NV            | 20               | -11.69         | -0.0139<br>75   | ±2.5        | PASS    |

|       |        |       |       |        |    |     |        |               |      |      |
|-------|--------|-------|-------|--------|----|-----|--------|---------------|------|------|
| Band5 | 1.4MHz | 64QAM | 20525 | 6RB#0  | NV | 30  | -4.05  | -0.0048<br>42 | ±2.5 | PASS |
| Band5 | 1.4MHz | 64QAM | 20525 | 6RB#0  | NV | 40  | -5.35  | -0.0063<br>96 | ±2.5 | PASS |
| Band5 | 1.4MHz | 64QAM | 20525 | 6RB#0  | NV | 50  | -10.64 | -0.0127<br>20 | ±2.5 | PASS |
| Band5 | 1.4MHz | 64QAM | 20643 | 6RB#0  | NV | -30 | -10.30 | -0.0121<br>42 | ±2.5 | PASS |
| Band5 | 1.4MHz | 64QAM | 20643 | 6RB#0  | NV | -20 | -10.53 | -0.0124<br>13 | ±2.5 | PASS |
| Band5 | 1.4MHz | 64QAM | 20643 | 6RB#0  | NV | -10 | -7.65  | -0.0090<br>18 | ±2.5 | PASS |
| Band5 | 1.4MHz | 64QAM | 20643 | 6RB#0  | NV | 0   | -11.37 | -0.0134<br>03 | ±2.5 | PASS |
| Band5 | 1.4MHz | 64QAM | 20643 | 6RB#0  | NV | 10  | -7.32  | -0.0086<br>29 | ±2.5 | PASS |
| Band5 | 1.4MHz | 64QAM | 20643 | 6RB#0  | NV | 20  | -6.35  | -0.0074<br>86 | ±2.5 | PASS |
| Band5 | 1.4MHz | 64QAM | 20643 | 6RB#0  | NV | 30  | -6.85  | -0.0080<br>75 | ±2.5 | PASS |
| Band5 | 1.4MHz | 64QAM | 20643 | 6RB#0  | NV | 40  | -9.57  | -0.01128<br>1 | ±2.5 | PASS |
| Band5 | 1.4MHz | 64QAM | 20643 | 6RB#0  | NV | 50  | -3.68  | -0.0043<br>38 | ±2.5 | PASS |
| Band5 | 3MHz   | 64QAM | 20415 | 15RB#0 | NV | -30 | 8.84   | 0.01070<br>9  | ±2.5 | PASS |
| Band5 | 3MHz   | 64QAM | 20415 | 15RB#0 | NV | -20 | 5.02   | 0.00608<br>1  | ±2.5 | PASS |
| Band5 | 3MHz   | 64QAM | 20415 | 15RB#0 | NV | -10 | 1.42   | 0.00172<br>0  | ±2.5 | PASS |
| Band5 | 3MHz   | 64QAM | 20415 | 15RB#0 | NV | 0   | 4.92   | 0.00596<br>0  | ±2.5 | PASS |
| Band5 | 3MHz   | 64QAM | 20415 | 15RB#0 | NV | 10  | 8.83   | 0.01069<br>7  | ±2.5 | PASS |
| Band5 | 3MHz   | 64QAM | 20415 | 15RB#0 | NV | 20  | -1.43  | -0.0017<br>32 | ±2.5 | PASS |
| Band5 | 3MHz   | 64QAM | 20415 | 15RB#0 | NV | 30  | 4.69   | 0.00568       | ±2.5 | PASS |

|       |      |       |       |        |    |     |       |           |      |      |
|-------|------|-------|-------|--------|----|-----|-------|-----------|------|------|
|       |      |       |       |        |    |     |       | 1         |      |      |
| Band5 | 3MHz | 64QAM | 20415 | 15RB#0 | NV | 40  | 7.70  | 0.009328  | ±2.5 | PASS |
| Band5 | 3MHz | 64QAM | 20415 | 15RB#0 | NV | 50  | 8.74  | 0.010588  | ±2.5 | PASS |
| Band5 | 3MHz | 64QAM | 20525 | 15RB#0 | NV | -30 | -6.61 | -0.007902 | ±2.5 | PASS |
| Band5 | 3MHz | 64QAM | 20525 | 15RB#0 | NV | -20 | -2.89 | -0.003455 | ±2.5 | PASS |
| Band5 | 3MHz | 64QAM | 20525 | 15RB#0 | NV | -10 | -5.72 | -0.006838 | ±2.5 | PASS |
| Band5 | 3MHz | 64QAM | 20525 | 15RB#0 | NV | 0   | -6.39 | -0.007639 | ±2.5 | PASS |
| Band5 | 3MHz | 64QAM | 20525 | 15RB#0 | NV | 10  | -8.64 | -0.010329 | ±2.5 | PASS |
| Band5 | 3MHz | 64QAM | 20525 | 15RB#0 | NV | 20  | -6.42 | -0.007675 | ±2.5 | PASS |
| Band5 | 3MHz | 64QAM | 20525 | 15RB#0 | NV | 30  | -5.76 | -0.006886 | ±2.5 | PASS |
| Band5 | 3MHz | 64QAM | 20525 | 15RB#0 | NV | 40  | -4.11 | -0.004913 | ±2.5 | PASS |
| Band5 | 3MHz | 64QAM | 20525 | 15RB#0 | NV | 50  | -7.91 | -0.009456 | ±2.5 | PASS |
| Band5 | 3MHz | 64QAM | 20635 | 15RB#0 | NV | -30 | -6.62 | -0.007811 | ±2.5 | PASS |
| Band5 | 3MHz | 64QAM | 20635 | 15RB#0 | NV | -20 | -9.27 | -0.010938 | ±2.5 | PASS |
| Band5 | 3MHz | 64QAM | 20635 | 15RB#0 | NV | -10 | -9.17 | -0.010820 | ±2.5 | PASS |
| Band5 | 3MHz | 64QAM | 20635 | 15RB#0 | NV | 0   | -9.44 | -0.011139 | ±2.5 | PASS |
| Band5 | 3MHz | 64QAM | 20635 | 15RB#0 | NV | 10  | -9.56 | -0.011280 | ±2.5 | PASS |
| Band5 | 3MHz | 64QAM | 20635 | 15RB#0 | NV | 20  | -8.04 | -0.009487 | ±2.5 | PASS |
| Band5 | 3MHz | 64QAM | 20635 | 15RB#0 | NV | 30  | -5.87 | -0.006926 | ±2.5 | PASS |

|       |      |       |       |        |    |     |       |               |      |      |
|-------|------|-------|-------|--------|----|-----|-------|---------------|------|------|
| Band5 | 3MHz | 64QAM | 20635 | 15RB#0 | NV | 40  | -3.00 | -0.0035<br>40 | ±2.5 | PASS |
| Band5 | 3MHz | 64QAM | 20635 | 15RB#0 | NV | 50  | -9.84 | -0.01161<br>1 | ±2.5 | PASS |
| Band5 | 5MHz | 64QAM | 20425 | 25RB#0 | NV | -30 | -4.86 | -0.0058<br>80 | ±2.5 | PASS |
| Band5 | 5MHz | 64QAM | 20425 | 25RB#0 | NV | -20 | -3.10 | -0.0037<br>51 | ±2.5 | PASS |
| Band5 | 5MHz | 64QAM | 20425 | 25RB#0 | NV | -10 | -3.03 | -0.0036<br>66 | ±2.5 | PASS |
| Band5 | 5MHz | 64QAM | 20425 | 25RB#0 | NV | 0   | -2.70 | -0.0032<br>67 | ±2.5 | PASS |
| Band5 | 5MHz | 64QAM | 20425 | 25RB#0 | NV | 10  | -3.13 | -0.0037<br>87 | ±2.5 | PASS |
| Band5 | 5MHz | 64QAM | 20425 | 25RB#0 | NV | 20  | -2.52 | -0.0030<br>49 | ±2.5 | PASS |
| Band5 | 5MHz | 64QAM | 20425 | 25RB#0 | NV | 30  | -3.12 | -0.0037<br>75 | ±2.5 | PASS |
| Band5 | 5MHz | 64QAM | 20425 | 25RB#0 | NV | 40  | -4.38 | -0.0052<br>99 | ±2.5 | PASS |
| Band5 | 5MHz | 64QAM | 20425 | 25RB#0 | NV | 50  | 6.72  | 0.00813<br>1  | ±2.5 | PASS |
| Band5 | 5MHz | 64QAM | 20525 | 25RB#0 | NV | -30 | -2.29 | -0.0027<br>38 | ±2.5 | PASS |
| Band5 | 5MHz | 64QAM | 20525 | 25RB#0 | NV | -20 | -6.47 | -0.0077<br>35 | ±2.5 | PASS |
| Band5 | 5MHz | 64QAM | 20525 | 25RB#0 | NV | -10 | -7.21 | -0.0086<br>19 | ±2.5 | PASS |
| Band5 | 5MHz | 64QAM | 20525 | 25RB#0 | NV | 0   | -8.10 | -0.0096<br>83 | ±2.5 | PASS |
| Band5 | 5MHz | 64QAM | 20525 | 25RB#0 | NV | 10  | -7.25 | -0.0086<br>67 | ±2.5 | PASS |
| Band5 | 5MHz | 64QAM | 20525 | 25RB#0 | NV | 20  | -5.06 | -0.0060<br>49 | ±2.5 | PASS |
| Band5 | 5MHz | 64QAM | 20525 | 25RB#0 | NV | 30  | -2.89 | -0.0034<br>55 | ±2.5 | PASS |
| Band5 | 5MHz | 64QAM | 20525 | 25RB#0 | NV | 40  | -2.43 | -0.0029       | ±2.5 | PASS |

|       |       |       |       |        |    |     |       |               |      |      |
|-------|-------|-------|-------|--------|----|-----|-------|---------------|------|------|
|       |       |       |       |        |    |     |       | 05            |      |      |
| Band5 | 5MHz  | 64QAM | 20525 | 25RB#0 | NV | 50  | -7.64 | -0.0091<br>33 | ±2.5 | PASS |
| Band5 | 5MHz  | 64QAM | 20625 | 25RB#0 | NV | -30 | 7.01  | 0.00828<br>1  | ±2.5 | PASS |
| Band5 | 5MHz  | 64QAM | 20625 | 25RB#0 | NV | -20 | 3.53  | 0.00417<br>0  | ±2.5 | PASS |
| Band5 | 5MHz  | 64QAM | 20625 | 25RB#0 | NV | -10 | 9.23  | 0.01090<br>4  | ±2.5 | PASS |
| Band5 | 5MHz  | 64QAM | 20625 | 25RB#0 | NV | 0   | 3.92  | 0.00463<br>1  | ±2.5 | PASS |
| Band5 | 5MHz  | 64QAM | 20625 | 25RB#0 | NV | 10  | 7.21  | 0.00851<br>7  | ±2.5 | PASS |
| Band5 | 5MHz  | 64QAM | 20625 | 25RB#0 | NV | 20  | 1.37  | 0.00161<br>8  | ±2.5 | PASS |
| Band5 | 5MHz  | 64QAM | 20625 | 25RB#0 | NV | 30  | 6.07  | 0.00717<br>1  | ±2.5 | PASS |
| Band5 | 5MHz  | 64QAM | 20625 | 25RB#0 | NV | 40  | 2.26  | 0.00267<br>0  | ±2.5 | PASS |
| Band5 | 5MHz  | 64QAM | 20625 | 25RB#0 | NV | 50  | 8.60  | 0.01015<br>9  | ±2.5 | PASS |
| Band5 | 10MHz | 64QAM | 20450 | 50RB#0 | NV | -30 | 7.82  | 0.00943<br>3  | ±2.5 | PASS |
| Band5 | 10MHz | 64QAM | 20450 | 50RB#0 | NV | -20 | 2.70  | 0.00325<br>7  | ±2.5 | PASS |
| Band5 | 10MHz | 64QAM | 20450 | 50RB#0 | NV | -10 | 8.50  | 0.01025<br>3  | ±2.5 | PASS |
| Band5 | 10MHz | 64QAM | 20450 | 50RB#0 | NV | 0   | 5.68  | 0.00685<br>2  | ±2.5 | PASS |
| Band5 | 10MHz | 64QAM | 20450 | 50RB#0 | NV | 10  | 11.03 | 0.01330<br>5  | ±2.5 | PASS |
| Band5 | 10MHz | 64QAM | 20450 | 50RB#0 | NV | 20  | 6.62  | 0.00798<br>6  | ±2.5 | PASS |
| Band5 | 10MHz | 64QAM | 20450 | 50RB#0 | NV | 30  | 3.75  | 0.00452<br>4  | ±2.5 | PASS |
| Band5 | 10MHz | 64QAM | 20450 | 50RB#0 | NV | 40  | 10.99 | 0.01325<br>7  | ±2.5 | PASS |

|       |       |       |       |        |    |     |        |               |      |      |
|-------|-------|-------|-------|--------|----|-----|--------|---------------|------|------|
| Band5 | 10MHz | 64QAM | 20450 | 50RB#0 | NV | 50  | 9.07   | 0.01094<br>1  | ±2.5 | PASS |
| Band5 | 10MHz | 64QAM | 20525 | 50RB#0 | NV | -30 | -7.98  | -0.0095<br>40 | ±2.5 | PASS |
| Band5 | 10MHz | 64QAM | 20525 | 50RB#0 | NV | -20 | -7.32  | -0.0087<br>51 | ±2.5 | PASS |
| Band5 | 10MHz | 64QAM | 20525 | 50RB#0 | NV | -10 | -7.93  | -0.0094<br>80 | ±2.5 | PASS |
| Band5 | 10MHz | 64QAM | 20525 | 50RB#0 | NV | 0   | -6.34  | -0.0075<br>79 | ±2.5 | PASS |
| Band5 | 10MHz | 64QAM | 20525 | 50RB#0 | NV | 10  | -3.96  | -0.0047<br>34 | ±2.5 | PASS |
| Band5 | 10MHz | 64QAM | 20525 | 50RB#0 | NV | 20  | -8.97  | -0.0107<br>23 | ±2.5 | PASS |
| Band5 | 10MHz | 64QAM | 20525 | 50RB#0 | NV | 30  | -6.51  | -0.0077<br>82 | ±2.5 | PASS |
| Band5 | 10MHz | 64QAM | 20525 | 50RB#0 | NV | 40  | -1.53  | -0.0018<br>29 | ±2.5 | PASS |
| Band5 | 10MHz | 64QAM | 20525 | 50RB#0 | NV | 50  | -6.82  | -0.0081<br>53 | ±2.5 | PASS |
| Band5 | 10MHz | 64QAM | 20600 | 50RB#0 | NV | -30 | -4.21  | -0.0049<br>88 | ±2.5 | PASS |
| Band5 | 10MHz | 64QAM | 20600 | 50RB#0 | NV | -20 | -4.43  | -0.0052<br>49 | ±2.5 | PASS |
| Band5 | 10MHz | 64QAM | 20600 | 50RB#0 | NV | -10 | -5.94  | -0.0070<br>38 | ±2.5 | PASS |
| Band5 | 10MHz | 64QAM | 20600 | 50RB#0 | NV | 0   | -7.64  | -0.0090<br>52 | ±2.5 | PASS |
| Band5 | 10MHz | 64QAM | 20600 | 50RB#0 | NV | 10  | -9.07  | -0.0107<br>46 | ±2.5 | PASS |
| Band5 | 10MHz | 64QAM | 20600 | 50RB#0 | NV | 20  | -10.74 | -0.0127<br>25 | ±2.5 | PASS |
| Band5 | 10MHz | 64QAM | 20600 | 50RB#0 | NV | 30  | -2.99  | -0.0035<br>43 | ±2.5 | PASS |
| Band5 | 10MHz | 64QAM | 20600 | 50RB#0 | NV | 40  | -4.72  | -0.0055<br>92 | ±2.5 | PASS |
| Band5 | 10MHz | 64QAM | 20600 | 50RB#0 | NV | 50  | -6.31  | -0.0074       | ±2.5 | PASS |

|  |  |  |  |  |  |  |  |    |  |  |
|--|--|--|--|--|--|--|--|----|--|--|
|  |  |  |  |  |  |  |  | 76 |  |  |
|--|--|--|--|--|--|--|--|----|--|--|

