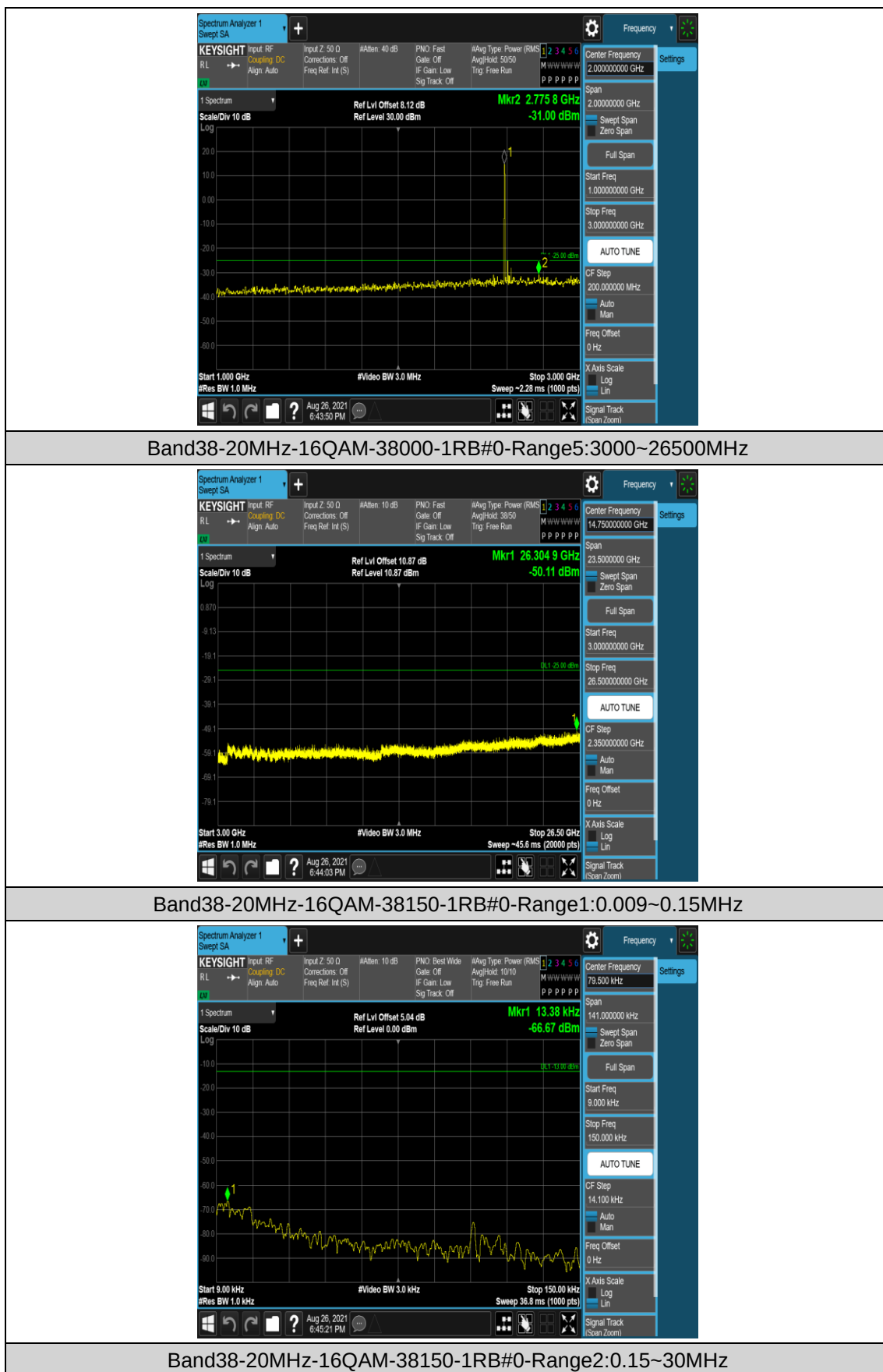
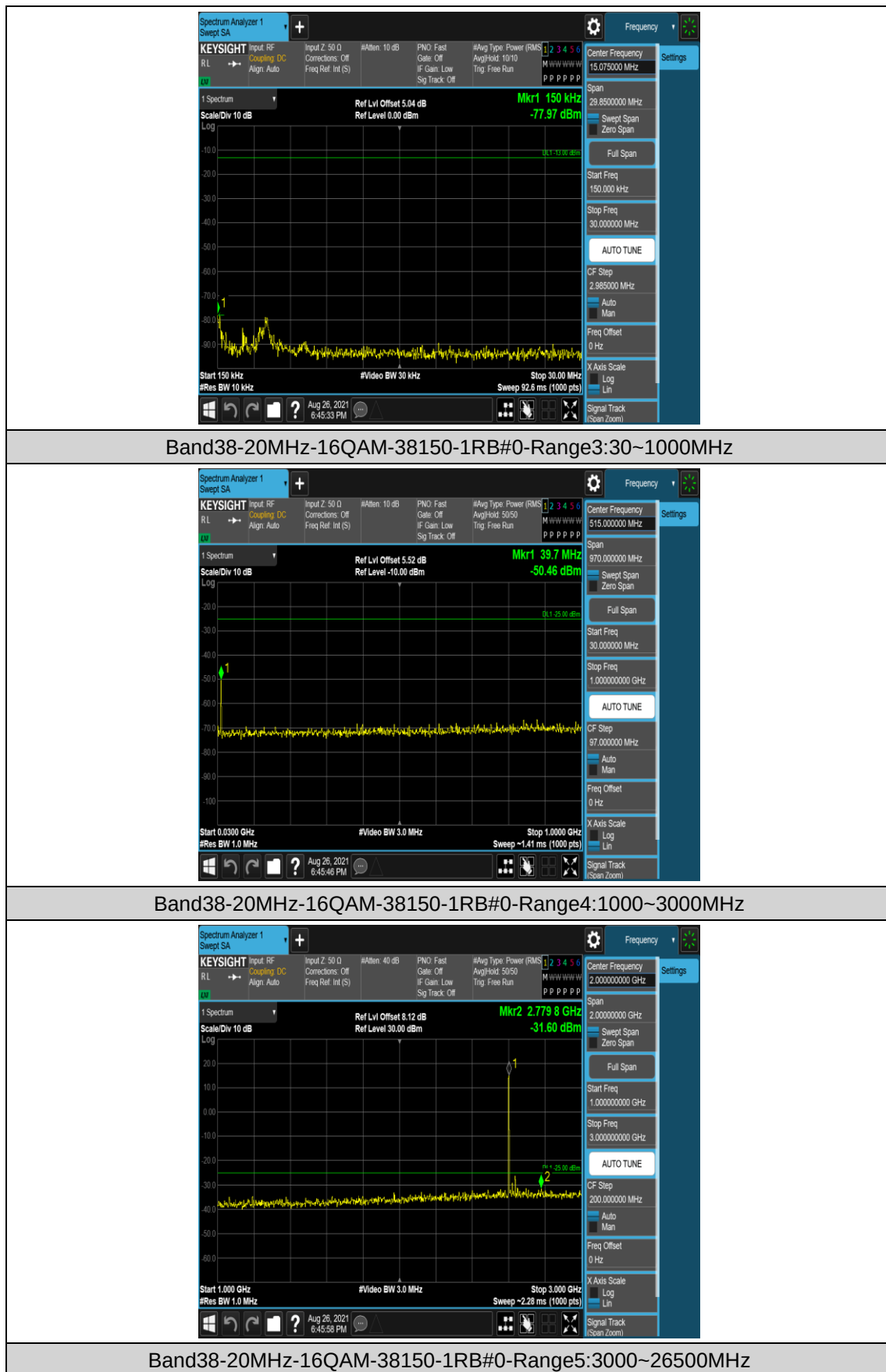








## Appendix F: Frequency Stability

### Test Result

| Band       | Bandwidth | Modulation | Channel | RB Configure | Voltage       |                  | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
|------------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|-------------|---------|
|            |           |            |         |              | Voltage [Vdc] | Temperature (°C) |                |                 |             |         |
| Band3<br>8 | 5MHz      | QPSK       | 37775   | 25RB#0       | VL            | NT               | -8.70          | -0.003382       | ±2.5        | PASS    |
| Band3<br>8 | 5MHz      | QPSK       | 37775   | 25RB#0       | VN            | NT               | -18.07         | -0.007024       | ±2.5        | PASS    |
| Band3<br>8 | 5MHz      | QPSK       | 37775   | 25RB#0       | VH            | NT               | -25.51         | -0.009916       | ±2.5        | PASS    |
| Band3<br>8 | 5MHz      | QPSK       | 38000   | 25RB#0       | VL            | NT               | 246.45         | 0.094971        | ±2.5        | PASS    |
| Band3<br>8 | 5MHz      | QPSK       | 38000   | 25RB#0       | VN            | NT               | 237.84         | 0.091653        | ±2.5        | PASS    |
| Band3<br>8 | 5MHz      | QPSK       | 38000   | 25RB#0       | VH            | NT               | 251.53         | 0.096929        | ±2.5        | PASS    |
| Band3<br>8 | 5MHz      | QPSK       | 38225   | 25RB#0       | VL            | NT               | 8.20           | 0.003133        | ±2.5        | PASS    |
| Band3<br>8 | 5MHz      | QPSK       | 38225   | 25RB#0       | VN            | NT               | 12.45          | 0.004756        | ±2.5        | PASS    |
| Band3<br>8 | 5MHz      | QPSK       | 38225   | 25RB#0       | VH            | NT               | 12.13          | 0.004634        | ±2.5        | PASS    |
| Band3<br>8 | 5MHz      | 16QAM      | 37775   | 25RB#0       | VL            | NT               | -33.86         | -0.013162       | ±2.5        | PASS    |
| Band3<br>8 | 5MHz      | 16QAM      | 37775   | 25RB#0       | VN            | NT               | -31.87         | -0.012389       | ±2.5        | PASS    |
| Band3<br>8 | 5MHz      | 16QAM      | 37775   | 25RB#0       | VH            | NT               | -38.15         | -0.014830       | ±2.5        | PASS    |
| Band3<br>8 | 5MHz      | 16QAM      | 38000   | 25RB#0       | VL            | NT               | 372.46         | 0.143530        | ±2.5        | PASS    |
| Band3<br>8 | 5MHz      | 16QAM      | 38000   | 25RB#0       | VN            | NT               | 353.48         | 0.136216        | ±2.5        | PASS    |
| Band3<br>8 | 5MHz      | 16QAM      | 38000   | 25RB#0       | VH            | NT               | 383.98         | 0.147969        | ±2.5        | PASS    |
| Band3<br>8 | 5MHz      | 16QAM      | 38225   | 25RB#0       | VL            | NT               | 54.72          | 0.020905        | ±2.5        | PASS    |
| Band3<br>8 | 5MHz      | 16QAM      | 38225   | 25RB#0       | VN            | NT               | 57.86          | 0.022105        | ±2.5        | PASS    |

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|            |       |       |       |        |    |    |        |           |      |      |
|------------|-------|-------|-------|--------|----|----|--------|-----------|------|------|
| Band3<br>8 | 5MHz  | 16QAM | 38225 | 25RB#0 | VH | NT | 59.35  | 0.022674  | ±2.5 | PASS |
| Band3<br>8 | 10MHz | QPSK  | 37800 | 50RB#0 | VL | NT | -6.41  | -0.002489 | ±2.5 | PASS |
| Band3<br>8 | 10MHz | QPSK  | 37800 | 50RB#0 | VN | NT | -18.18 | -0.007060 | ±2.5 | PASS |
| Band3<br>8 | 10MHz | QPSK  | 37800 | 50RB#0 | VH | NT | -16.44 | -0.006384 | ±2.5 | PASS |
| Band3<br>8 | 10MHz | QPSK  | 38000 | 50RB#0 | VL | NT | -13.76 | -0.005303 | ±2.5 | PASS |
| Band3<br>8 | 10MHz | QPSK  | 38000 | 50RB#0 | VN | NT | -5.38  | -0.002073 | ±2.5 | PASS |
| Band3<br>8 | 10MHz | QPSK  | 38000 | 50RB#0 | VH | NT | -19.73 | -0.007603 | ±2.5 | PASS |
| Band3<br>8 | 10MHz | QPSK  | 38200 | 50RB#0 | VL | NT | -15.44 | -0.005904 | ±2.5 | PASS |
| Band3<br>8 | 10MHz | QPSK  | 38200 | 50RB#0 | VN | NT | -5.36  | -0.002050 | ±2.5 | PASS |
| Band3<br>8 | 10MHz | QPSK  | 38200 | 50RB#0 | VH | NT | -18.31 | -0.007002 | ±2.5 | PASS |
| Band3<br>8 | 10MHz | 16QAM | 37800 | 50RB#0 | VL | NT | -23.30 | -0.009049 | ±2.5 | PASS |
| Band3<br>8 | 10MHz | 16QAM | 37800 | 50RB#0 | VN | NT | -16.77 | -0.006513 | ±2.5 | PASS |
| Band3<br>8 | 10MHz | 16QAM | 37800 | 50RB#0 | VH | NT | -19.33 | -0.007507 | ±2.5 | PASS |
| Band3<br>8 | 10MHz | 16QAM | 38000 | 50RB#0 | VL | NT | 38.54  | 0.014852  | ±2.5 | PASS |
| Band3<br>8 | 10MHz | 16QAM | 38000 | 50RB#0 | VN | NT | -11.19 | -0.004312 | ±2.5 | PASS |
| Band3<br>8 | 10MHz | 16QAM | 38000 | 50RB#0 | VH | NT | -19.94 | -0.007684 | ±2.5 | PASS |
| Band3<br>8 | 10MHz | 16QAM | 38200 | 50RB#0 | VL | NT | -70.54 | -0.026975 | ±2.5 | PASS |
| Band3<br>8 | 10MHz | 16QAM | 38200 | 50RB#0 | VN | NT | -9.81  | -0.003751 | ±2.5 | PASS |
| Band3<br>8 | 10MHz | 16QAM | 38200 | 50RB#0 | VH | NT | 11.82  | 0.004520  | ±2.5 | PASS |
| Band3<br>8 | 15MHz | QPSK  | 37825 | 75RB#0 | VL | NT | -19.41 | -0.007531 | ±2.5 | PASS |
| Band3<br>8 | 15MHz | QPSK  | 37825 | 75RB#0 | VN | NT | -21.82 | -0.008466 | ±2.5 | PASS |

|            |       |       |       |         |    |    |        |           |      |      |
|------------|-------|-------|-------|---------|----|----|--------|-----------|------|------|
| Band3<br>8 | 15MHz | QPSK  | 37825 | 75RB#0  | VH | NT | -27.85 | -0.010805 | ±2.5 | PASS |
| Band3<br>8 | 15MHz | QPSK  | 38000 | 75RB#0  | VL | NT | -20.74 | -0.007992 | ±2.5 | PASS |
| Band3<br>8 | 15MHz | QPSK  | 38000 | 75RB#0  | VN | NT | -26.84 | -0.010343 | ±2.5 | PASS |
| Band3<br>8 | 15MHz | QPSK  | 38000 | 75RB#0  | VH | NT | -29.08 | -0.011206 | ±2.5 | PASS |
| Band3<br>8 | 15MHz | QPSK  | 38175 | 75RB#0  | VL | NT | -20.06 | -0.007678 | ±2.5 | PASS |
| Band3<br>8 | 15MHz | QPSK  | 38175 | 75RB#0  | VN | NT | -5.91  | -0.002262 | ±2.5 | PASS |
| Band3<br>8 | 15MHz | QPSK  | 38175 | 75RB#0  | VH | NT | -94.24 | -0.036073 | ±2.5 | PASS |
| Band3<br>8 | 15MHz | 16QAM | 37825 | 75RB#0  | VL | NT | -18.91 | -0.007337 | ±2.5 | PASS |
| Band3<br>8 | 15MHz | 16QAM | 37825 | 75RB#0  | VN | NT | -15.96 | -0.006192 | ±2.5 | PASS |
| Band3<br>8 | 15MHz | 16QAM | 37825 | 75RB#0  | VH | NT | -22.54 | -0.008745 | ±2.5 | PASS |
| Band3<br>8 | 15MHz | 16QAM | 38000 | 75RB#0  | VL | NT | -13.33 | -0.005137 | ±2.5 | PASS |
| Band3<br>8 | 15MHz | 16QAM | 38000 | 75RB#0  | VN | NT | -26.54 | -0.010227 | ±2.5 | PASS |
| Band3<br>8 | 15MHz | 16QAM | 38000 | 75RB#0  | VH | NT | -20.97 | -0.008081 | ±2.5 | PASS |
| Band3<br>8 | 15MHz | 16QAM | 38175 | 75RB#0  | VL | NT | -9.00  | -0.003445 | ±2.5 | PASS |
| Band3<br>8 | 15MHz | 16QAM | 38175 | 75RB#0  | VN | NT | -14.88 | -0.005696 | ±2.5 | PASS |
| Band3<br>8 | 15MHz | 16QAM | 38175 | 75RB#0  | VH | NT | -21.50 | -0.008230 | ±2.5 | PASS |
| Band3<br>8 | 20MHz | QPSK  | 37850 | 100RB#0 | VL | NT | -15.41 | -0.005973 | ±2.5 | PASS |
| Band3<br>8 | 20MHz | QPSK  | 37850 | 100RB#0 | VN | NT | -23.79 | -0.009221 | ±2.5 | PASS |
| Band3<br>8 | 20MHz | QPSK  | 37850 | 100RB#0 | VH | NT | -16.42 | -0.006364 | ±2.5 | PASS |
| Band3<br>8 | 20MHz | QPSK  | 38000 | 100RB#0 | VL | NT | -13.86 | -0.005341 | ±2.5 | PASS |
| Band3<br>8 | 20MHz | QPSK  | 38000 | 100RB#0 | VN | NT | -21.50 | -0.008285 | ±2.5 | PASS |

|            |       |       |       |         |    |    |        |           |      |      |
|------------|-------|-------|-------|---------|----|----|--------|-----------|------|------|
| Band3<br>8 | 20MHz | QPSK  | 38000 | 100RB#0 | VH | NT | -9.88  | -0.003807 | ±2.5 | PASS |
| Band3<br>8 | 20MHz | QPSK  | 38150 | 100RB#0 | VL | NT | -10.87 | -0.004165 | ±2.5 | PASS |
| Band3<br>8 | 20MHz | QPSK  | 38150 | 100RB#0 | VN | NT | -25.13 | -0.009628 | ±2.5 | PASS |
| Band3<br>8 | 20MHz | QPSK  | 38150 | 100RB#0 | VH | NT | -22.57 | -0.008648 | ±2.5 | PASS |
| Band3<br>8 | 20MHz | 16QAM | 37850 | 100RB#0 | VL | NT | -13.46 | -0.005217 | ±2.5 | PASS |
| Band3<br>8 | 20MHz | 16QAM | 37850 | 100RB#0 | VN | NT | -18.11 | -0.007019 | ±2.5 | PASS |
| Band3<br>8 | 20MHz | 16QAM | 37850 | 100RB#0 | VH | NT | -13.76 | -0.005333 | ±2.5 | PASS |
| Band3<br>8 | 20MHz | 16QAM | 38000 | 100RB#0 | VL | NT | 9.04   | 0.003484  | ±2.5 | PASS |
| Band3<br>8 | 20MHz | 16QAM | 38000 | 100RB#0 | VN | NT | 10.66  | 0.004108  | ±2.5 | PASS |
| Band3<br>8 | 20MHz | 16QAM | 38000 | 100RB#0 | VH | NT | -15.91 | -0.006131 | ±2.5 | PASS |
| Band3<br>8 | 20MHz | 16QAM | 38150 | 100RB#0 | VL | NT | -14.52 | -0.005563 | ±2.5 | PASS |
| Band3<br>8 | 20MHz | 16QAM | 38150 | 100RB#0 | VN | NT | -8.18  | -0.003134 | ±2.5 | PASS |
| Band3<br>8 | 20MHz | 16QAM | 38150 | 100RB#0 | VH | NT | -20.16 | -0.007724 | ±2.5 | PASS |

| Temperature |           |            |         |              |               |                  |                |                 |             |         |
|-------------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band        | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| Band3<br>8  | 5MHz      | QPSK       | 37775   | 25RB#0       | NV            | -30              | -96.29         | -0.037431       | ±2.5        | PASS    |
| Band3<br>8  | 5MHz      | QPSK       | 37775   | 25RB#0       | NV            | -20              | -39.51         | -0.015359       | ±2.5        | PASS    |
| Band3<br>8  | 5MHz      | QPSK       | 37775   | 25RB#0       | NV            | 0                | -38.47         | -0.014954       | ±2.5        | PASS    |
| Band3<br>8  | 5MHz      | QPSK       | 37775   | 25RB#0       | NV            | 10               | -50.15         | -0.019495       | ±2.5        | PASS    |
| Band3<br>8  | 5MHz      | QPSK       | 37775   | 25RB#0       | NV            | 20               | -60.22         | -0.023409       | ±2.5        | PASS    |
| Band3       | 5MHz      | QPSK       | 38000   | 25RB#0       | NV            | -30              | 256.61         | 0.098886        | ±2.5        | PASS    |

|            |      |       |       |        |    |     |        |           |      |      |
|------------|------|-------|-------|--------|----|-----|--------|-----------|------|------|
| 8          |      |       |       |        |    |     |        |           |      |      |
| Band3<br>8 | 5MHz | QPSK  | 38000 | 25RB#0 | NV | -20 | 264.00 | 0.101734  | ±2.5 | PASS |
| Band3<br>8 | 5MHz | QPSK  | 38000 | 25RB#0 | NV | 0   | 270.51 | 0.104243  | ±2.5 | PASS |
| Band3<br>8 | 5MHz | QPSK  | 38000 | 25RB#0 | NV | 10  | 268.19 | 0.103349  | ±2.5 | PASS |
| Band3<br>8 | 5MHz | QPSK  | 38000 | 25RB#0 | NV | 20  | 285.52 | 0.110027  | ±2.5 | PASS |
| Band3<br>8 | 5MHz | QPSK  | 38225 | 25RB#0 | NV | -30 | 18.38  | 0.007022  | ±2.5 | PASS |
| Band3<br>8 | 5MHz | QPSK  | 38225 | 25RB#0 | NV | -20 | 30.01  | 0.011465  | ±2.5 | PASS |
| Band3<br>8 | 5MHz | QPSK  | 38225 | 25RB#0 | NV | 0   | 32.06  | 0.012248  | ±2.5 | PASS |
| Band3<br>8 | 5MHz | QPSK  | 38225 | 25RB#0 | NV | 10  | 38.19  | 0.014590  | ±2.5 | PASS |
| Band3<br>8 | 5MHz | QPSK  | 38225 | 25RB#0 | NV | 20  | 37.45  | 0.014308  | ±2.5 | PASS |
| Band3<br>8 | 5MHz | 16QAM | 37775 | 25RB#0 | NV | -30 | -25.31 | -0.009839 | ±2.5 | PASS |
| Band3<br>8 | 5MHz | 16QAM | 37775 | 25RB#0 | NV | -20 | -23.82 | -0.009259 | ±2.5 | PASS |
| Band3<br>8 | 5MHz | 16QAM | 37775 | 25RB#0 | NV | 0   | -24.33 | -0.009458 | ±2.5 | PASS |
| Band3<br>8 | 5MHz | 16QAM | 37775 | 25RB#0 | NV | 10  | -25.29 | -0.009831 | ±2.5 | PASS |
| Band3<br>8 | 5MHz | 16QAM | 37775 | 25RB#0 | NV | 20  | -29.37 | -0.011417 | ±2.5 | PASS |
| Band3<br>8 | 5MHz | 16QAM | 38000 | 25RB#0 | NV | -30 | 387.20 | 0.149210  | ±2.5 | PASS |
| Band3<br>8 | 5MHz | 16QAM | 38000 | 25RB#0 | NV | -20 | 387.54 | 0.149341  | ±2.5 | PASS |
| Band3<br>8 | 5MHz | 16QAM | 38000 | 25RB#0 | NV | 0   | 396.75 | 0.152890  | ±2.5 | PASS |
| Band3<br>8 | 5MHz | 16QAM | 38000 | 25RB#0 | NV | 10  | 404.73 | 0.155965  | ±2.5 | PASS |
| Band3<br>8 | 5MHz | 16QAM | 38000 | 25RB#0 | NV | 20  | 412.85 | 0.159094  | ±2.5 | PASS |
| Band3<br>8 | 5MHz | 16QAM | 38225 | 25RB#0 | NV | -30 | 62.11  | 0.023729  | ±2.5 | PASS |
| Band3      | 5MHz | 16QAM | 38225 | 25RB#0 | NV | -20 | 50.15  | 0.019160  | ±2.5 | PASS |

|            |       |       |       |        |    |     |        |           |      |      |
|------------|-------|-------|-------|--------|----|-----|--------|-----------|------|------|
| 8          |       |       |       |        |    |     |        |           |      |      |
| Band3<br>8 | 5MHz  | 16QAM | 38225 | 25RB#0 | NV | 0   | 65.73  | 0.025112  | ±2.5 | PASS |
| Band3<br>8 | 5MHz  | 16QAM | 38225 | 25RB#0 | NV | 10  | 492.37 | 0.188107  | ±2.5 | PASS |
| Band3<br>8 | 5MHz  | 16QAM | 38225 | 25RB#0 | NV | 20  | 495.92 | 0.189463  | ±2.5 | PASS |
| Band3<br>8 | 10MHz | QPSK  | 37800 | 50RB#0 | NV | -30 | -14.86 | -0.005771 | ±2.5 | PASS |
| Band3<br>8 | 10MHz | QPSK  | 37800 | 50RB#0 | NV | -20 | -12.49 | -0.004850 | ±2.5 | PASS |
| Band3<br>8 | 10MHz | QPSK  | 37800 | 50RB#0 | NV | 0   | 9.90   | 0.003845  | ±2.5 | PASS |
| Band3<br>8 | 10MHz | QPSK  | 37800 | 50RB#0 | NV | 10  | 8.81   | 0.003421  | ±2.5 | PASS |
| Band3<br>8 | 10MHz | QPSK  | 37800 | 50RB#0 | NV | 20  | -9.98  | -0.003876 | ±2.5 | PASS |
| Band3<br>8 | 10MHz | QPSK  | 38000 | 50RB#0 | NV | -30 | -22.10 | -0.008516 | ±2.5 | PASS |
| Band3<br>8 | 10MHz | QPSK  | 38000 | 50RB#0 | NV | -20 | -17.78 | -0.006852 | ±2.5 | PASS |
| Band3<br>8 | 10MHz | QPSK  | 38000 | 50RB#0 | NV | 0   | -14.76 | -0.005688 | ±2.5 | PASS |
| Band3<br>8 | 10MHz | QPSK  | 38000 | 50RB#0 | NV | 10  | -18.22 | -0.007021 | ±2.5 | PASS |
| Band3<br>8 | 10MHz | QPSK  | 38000 | 50RB#0 | NV | 20  | -4.42  | -0.001703 | ±2.5 | PASS |
| Band3<br>8 | 10MHz | QPSK  | 38200 | 50RB#0 | NV | -30 | -12.27 | -0.004692 | ±2.5 | PASS |
| Band3<br>8 | 10MHz | QPSK  | 38200 | 50RB#0 | NV | -20 | -15.54 | -0.005943 | ±2.5 | PASS |
| Band3<br>8 | 10MHz | QPSK  | 38200 | 50RB#0 | NV | 0   | 9.97   | 0.003813  | ±2.5 | PASS |
| Band3<br>8 | 10MHz | QPSK  | 38200 | 50RB#0 | NV | 10  | 15.18  | 0.005805  | ±2.5 | PASS |
| Band3<br>8 | 10MHz | QPSK  | 38200 | 50RB#0 | NV | 20  | 3.19   | 0.001220  | ±2.5 | PASS |
| Band3<br>8 | 10MHz | 16QAM | 37800 | 50RB#0 | NV | -30 | -23.27 | -0.009037 | ±2.5 | PASS |
| Band3<br>8 | 10MHz | 16QAM | 37800 | 50RB#0 | NV | -20 | -21.97 | -0.008532 | ±2.5 | PASS |
| Band3      | 10MHz | 16QAM | 37800 | 50RB#0 | NV | 0   | -16.52 | -0.006416 | ±2.5 | PASS |

|            |       |       |       |        |    |     |        |           |      |      |
|------------|-------|-------|-------|--------|----|-----|--------|-----------|------|------|
| 8          |       |       |       |        |    |     |        |           |      |      |
| Band3<br>8 | 10MHz | 16QAM | 37800 | 50RB#0 | NV | 10  | -5.76  | -0.002237 | ±2.5 | PASS |
| Band3<br>8 | 10MHz | 16QAM | 37800 | 50RB#0 | NV | 20  | -17.27 | -0.006707 | ±2.5 | PASS |
| Band3<br>8 | 10MHz | 16QAM | 38000 | 50RB#0 | NV | -30 | -14.91 | -0.005746 | ±2.5 | PASS |
| Band3<br>8 | 10MHz | 16QAM | 38000 | 50RB#0 | NV | -20 | -20.69 | -0.007973 | ±2.5 | PASS |
| Band3<br>8 | 10MHz | 16QAM | 38000 | 50RB#0 | NV | 0   | -20.96 | -0.008077 | ±2.5 | PASS |
| Band3<br>8 | 10MHz | 16QAM | 38000 | 50RB#0 | NV | 10  | -6.18  | -0.002382 | ±2.5 | PASS |
| Band3<br>8 | 10MHz | 16QAM | 38000 | 50RB#0 | NV | 20  | 8.50   | 0.003276  | ±2.5 | PASS |
| Band3<br>8 | 10MHz | 16QAM | 38200 | 50RB#0 | NV | -30 | -7.20  | -0.002753 | ±2.5 | PASS |
| Band3<br>8 | 10MHz | 16QAM | 38200 | 50RB#0 | NV | -20 | -18.88 | -0.007220 | ±2.5 | PASS |
| Band3<br>8 | 10MHz | 16QAM | 38200 | 50RB#0 | NV | 0   | -18.47 | -0.007063 | ±2.5 | PASS |
| Band3<br>8 | 10MHz | 16QAM | 38200 | 50RB#0 | NV | 10  | -8.63  | -0.003300 | ±2.5 | PASS |
| Band3<br>8 | 10MHz | 16QAM | 38200 | 50RB#0 | NV | 20  | -12.19 | -0.004662 | ±2.5 | PASS |
| Band3<br>8 | 15MHz | QPSK  | 37825 | 75RB#0 | NV | -30 | -22.97 | -0.008912 | ±2.5 | PASS |
| Band3<br>8 | 15MHz | QPSK  | 37825 | 75RB#0 | NV | -20 | -22.47 | -0.008718 | ±2.5 | PASS |
| Band3<br>8 | 15MHz | QPSK  | 37825 | 75RB#0 | NV | 0   | -14.38 | -0.005579 | ±2.5 | PASS |
| Band3<br>8 | 15MHz | QPSK  | 37825 | 75RB#0 | NV | 10  | -14.48 | -0.005618 | ±2.5 | PASS |
| Band3<br>8 | 15MHz | QPSK  | 37825 | 75RB#0 | NV | 20  | -15.81 | -0.006134 | ±2.5 | PASS |
| Band3<br>8 | 15MHz | QPSK  | 38000 | 75RB#0 | NV | -30 | -25.28 | -0.009742 | ±2.5 | PASS |
| Band3<br>8 | 15MHz | QPSK  | 38000 | 75RB#0 | NV | -20 | -14.43 | -0.005561 | ±2.5 | PASS |
| Band3<br>8 | 15MHz | QPSK  | 38000 | 75RB#0 | NV | 0   | 9.67   | 0.003726  | ±2.5 | PASS |
| Band3      | 15MHz | QPSK  | 38000 | 75RB#0 | NV | 10  | 7.02   | 0.002705  | ±2.5 | PASS |

|            |       |       |       |        |    |     |        |           |      |      |
|------------|-------|-------|-------|--------|----|-----|--------|-----------|------|------|
| 8          |       |       |       |        |    |     |        |           |      |      |
| Band3<br>8 | 15MHz | QPSK  | 38000 | 75RB#0 | NV | 20  | -5.08  | -0.001958 | ±2.5 | PASS |
| Band3<br>8 | 15MHz | QPSK  | 38175 | 75RB#0 | NV | -30 | -10.36 | -0.003966 | ±2.5 | PASS |
| Band3<br>8 | 15MHz | QPSK  | 38175 | 75RB#0 | NV | -20 | -8.51  | -0.003257 | ±2.5 | PASS |
| Band3<br>8 | 15MHz | QPSK  | 38175 | 75RB#0 | NV | 0   | -18.05 | -0.006909 | ±2.5 | PASS |
| Band3<br>8 | 15MHz | QPSK  | 38175 | 75RB#0 | NV | 10  | -14.45 | -0.005531 | ±2.5 | PASS |
| Band3<br>8 | 15MHz | QPSK  | 38175 | 75RB#0 | NV | 20  | -12.99 | -0.004972 | ±2.5 | PASS |
| Band3<br>8 | 15MHz | 16QAM | 37825 | 75RB#0 | NV | -30 | -8.77  | -0.003403 | ±2.5 | PASS |
| Band3<br>8 | 15MHz | 16QAM | 37825 | 75RB#0 | NV | -20 | -22.30 | -0.008652 | ±2.5 | PASS |
| Band3<br>8 | 15MHz | 16QAM | 37825 | 75RB#0 | NV | 0   | -20.99 | -0.008144 | ±2.5 | PASS |
| Band3<br>8 | 15MHz | 16QAM | 37825 | 75RB#0 | NV | 10  | -19.84 | -0.007697 | ±2.5 | PASS |
| Band3<br>8 | 15MHz | 16QAM | 37825 | 75RB#0 | NV | 20  | -22.90 | -0.008885 | ±2.5 | PASS |
| Band3<br>8 | 15MHz | 16QAM | 38000 | 75RB#0 | NV | -30 | -30.73 | -0.011842 | ±2.5 | PASS |
| Band3<br>8 | 15MHz | 16QAM | 38000 | 75RB#0 | NV | -20 | -26.41 | -0.010177 | ±2.5 | PASS |
| Band3<br>8 | 15MHz | 16QAM | 38000 | 75RB#0 | NV | 0   | -11.14 | -0.004293 | ±2.5 | PASS |
| Band3<br>8 | 15MHz | 16QAM | 38000 | 75RB#0 | NV | 10  | -24.56 | -0.009464 | ±2.5 | PASS |
| Band3<br>8 | 15MHz | 16QAM | 38000 | 75RB#0 | NV | 20  | -22.57 | -0.008697 | ±2.5 | PASS |
| Band3<br>8 | 15MHz | 16QAM | 38175 | 75RB#0 | NV | -30 | -11.23 | -0.004299 | ±2.5 | PASS |
| Band3<br>8 | 15MHz | 16QAM | 38175 | 75RB#0 | NV | -20 | 11.19  | 0.004283  | ±2.5 | PASS |
| Band3<br>8 | 15MHz | 16QAM | 38175 | 75RB#0 | NV | 0   | -14.85 | -0.005684 | ±2.5 | PASS |
| Band3<br>8 | 15MHz | 16QAM | 38175 | 75RB#0 | NV | 10  | -12.33 | -0.004720 | ±2.5 | PASS |
| Band3      | 15MHz | 16QAM | 38175 | 75RB#0 | NV | 20  | -24.20 | -0.009263 | ±2.5 | PASS |

|            |       |       |       |         |    |     |        |           |      |      |
|------------|-------|-------|-------|---------|----|-----|--------|-----------|------|------|
| 8          |       |       |       |         |    |     |        |           |      |      |
| Band3<br>8 | 20MHz | QPSK  | 37850 | 100RB#0 | NV | -30 | -8.53  | -0.003306 | ±2.5 | PASS |
| Band3<br>8 | 20MHz | QPSK  | 37850 | 100RB#0 | NV | -20 | 4.52   | 0.001752  | ±2.5 | PASS |
| Band3<br>8 | 20MHz | QPSK  | 37850 | 100RB#0 | NV | 0   | -15.35 | -0.005950 | ±2.5 | PASS |
| Band3<br>8 | 20MHz | QPSK  | 37850 | 100RB#0 | NV | 10  | -12.73 | -0.004934 | ±2.5 | PASS |
| Band3<br>8 | 20MHz | QPSK  | 37850 | 100RB#0 | NV | 20  | -9.56  | -0.003705 | ±2.5 | PASS |
| Band3<br>8 | 20MHz | QPSK  | 38000 | 100RB#0 | NV | -30 | -14.96 | -0.005765 | ±2.5 | PASS |
| Band3<br>8 | 20MHz | QPSK  | 38000 | 100RB#0 | NV | -20 | -16.25 | -0.006262 | ±2.5 | PASS |
| Band3<br>8 | 20MHz | QPSK  | 38000 | 100RB#0 | NV | 0   | -4.11  | -0.001584 | ±2.5 | PASS |
| Band3<br>8 | 20MHz | QPSK  | 38000 | 100RB#0 | NV | 10  | -8.20  | -0.003160 | ±2.5 | PASS |
| Band3<br>8 | 20MHz | QPSK  | 38000 | 100RB#0 | NV | 20  | -12.72 | -0.004902 | ±2.5 | PASS |
| Band3<br>8 | 20MHz | QPSK  | 38150 | 100RB#0 | NV | -30 | -11.72 | -0.004490 | ±2.5 | PASS |
| Band3<br>8 | 20MHz | QPSK  | 38150 | 100RB#0 | NV | -20 | -20.67 | -0.007920 | ±2.5 | PASS |
| Band3<br>8 | 20MHz | QPSK  | 38150 | 100RB#0 | NV | 0   | -6.45  | -0.002471 | ±2.5 | PASS |
| Band3<br>8 | 20MHz | QPSK  | 38150 | 100RB#0 | NV | 10  | -17.85 | -0.006839 | ±2.5 | PASS |
| Band3<br>8 | 20MHz | QPSK  | 38150 | 100RB#0 | NV | 20  | -19.60 | -0.007510 | ±2.5 | PASS |
| Band3<br>8 | 20MHz | 16QAM | 37850 | 100RB#0 | NV | -30 | -14.71 | -0.005702 | ±2.5 | PASS |
| Band3<br>8 | 20MHz | 16QAM | 37850 | 100RB#0 | NV | -20 | -23.78 | -0.009217 | ±2.5 | PASS |
| Band3<br>8 | 20MHz | 16QAM | 37850 | 100RB#0 | NV | 0   | -7.52  | -0.002915 | ±2.5 | PASS |
| Band3<br>8 | 20MHz | 16QAM | 37850 | 100RB#0 | NV | 10  | -15.66 | -0.006070 | ±2.5 | PASS |
| Band3<br>8 | 20MHz | 16QAM | 37850 | 100RB#0 | NV | 20  | -18.08 | -0.007008 | ±2.5 | PASS |
| Band3      | 20MHz | 16QAM | 38000 | 100RB#0 | NV | -30 | -17.54 | -0.006759 | ±2.5 | PASS |

|            |       |       |       |         |    |     |        |           |      |      |
|------------|-------|-------|-------|---------|----|-----|--------|-----------|------|------|
| 8          |       |       |       |         |    |     |        |           |      |      |
| Band3<br>8 | 20MHz | 16QAM | 38000 | 100RB#0 | NV | -20 | 10.51  | 0.004050  | ±2.5 | PASS |
| Band3<br>8 | 20MHz | 16QAM | 38000 | 100RB#0 | NV | 0   | 11.94  | 0.004601  | ±2.5 | PASS |
| Band3<br>8 | 20MHz | 16QAM | 38000 | 100RB#0 | NV | 10  | -9.47  | -0.003649 | ±2.5 | PASS |
| Band3<br>8 | 20MHz | 16QAM | 38000 | 100RB#0 | NV | 20  | -8.37  | -0.003225 | ±2.5 | PASS |
| Band3<br>8 | 20MHz | 16QAM | 38150 | 100RB#0 | NV | -30 | 154.77 | 0.059299  | ±2.5 | PASS |
| Band3<br>8 | 20MHz | 16QAM | 38150 | 100RB#0 | NV | -20 | -18.04 | -0.006912 | ±2.5 | PASS |
| Band3<br>8 | 20MHz | 16QAM | 38150 | 100RB#0 | NV | 0   | -17.84 | -0.006835 | ±2.5 | PASS |
| Band3<br>8 | 20MHz | 16QAM | 38150 | 100RB#0 | NV | 10  | -16.29 | -0.006241 | ±2.5 | PASS |
| Band3<br>8 | 20MHz | 16QAM | 38150 | 100RB#0 | NV | 20  | -19.56 | -0.007494 | ±2.5 | PASS |