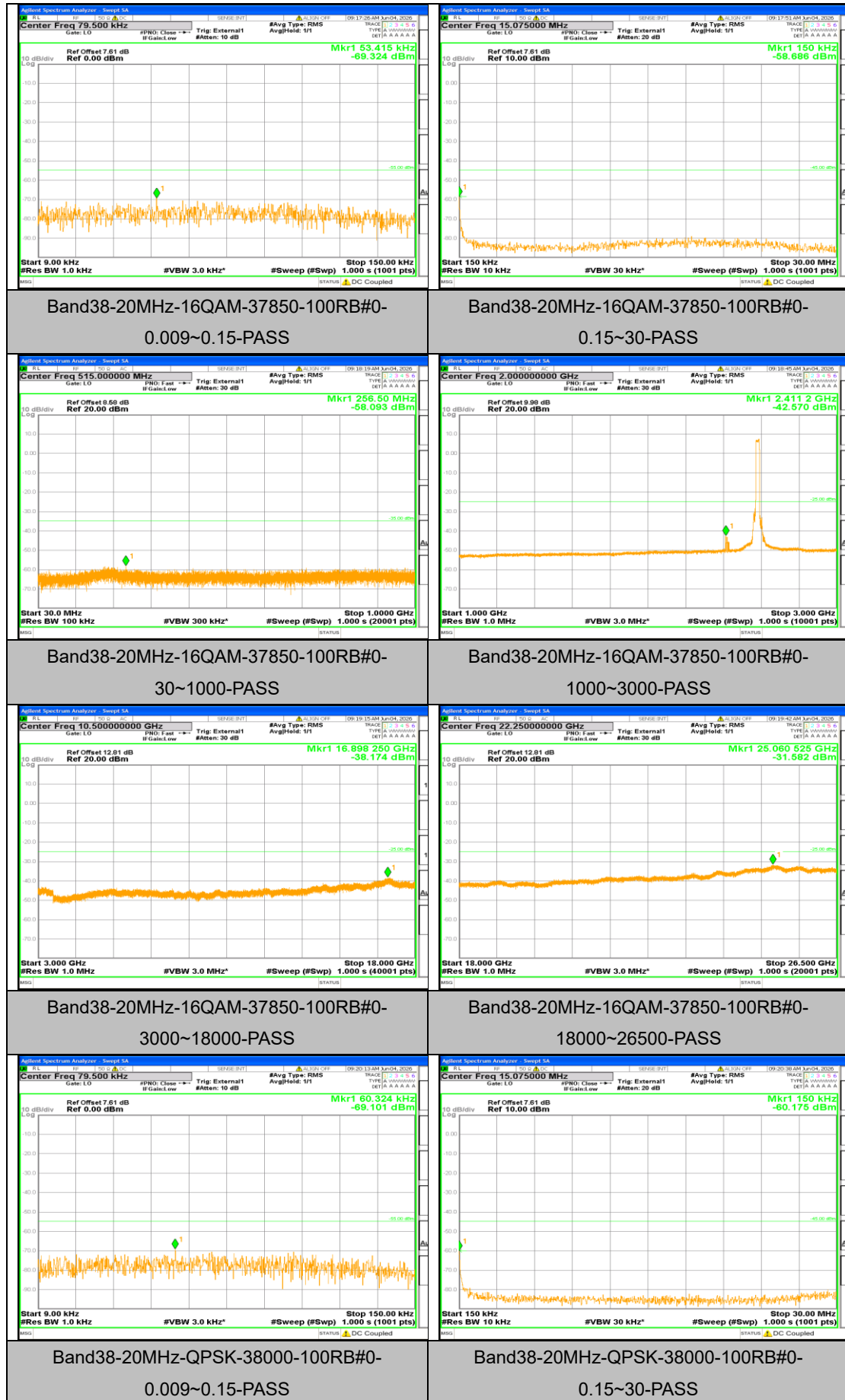
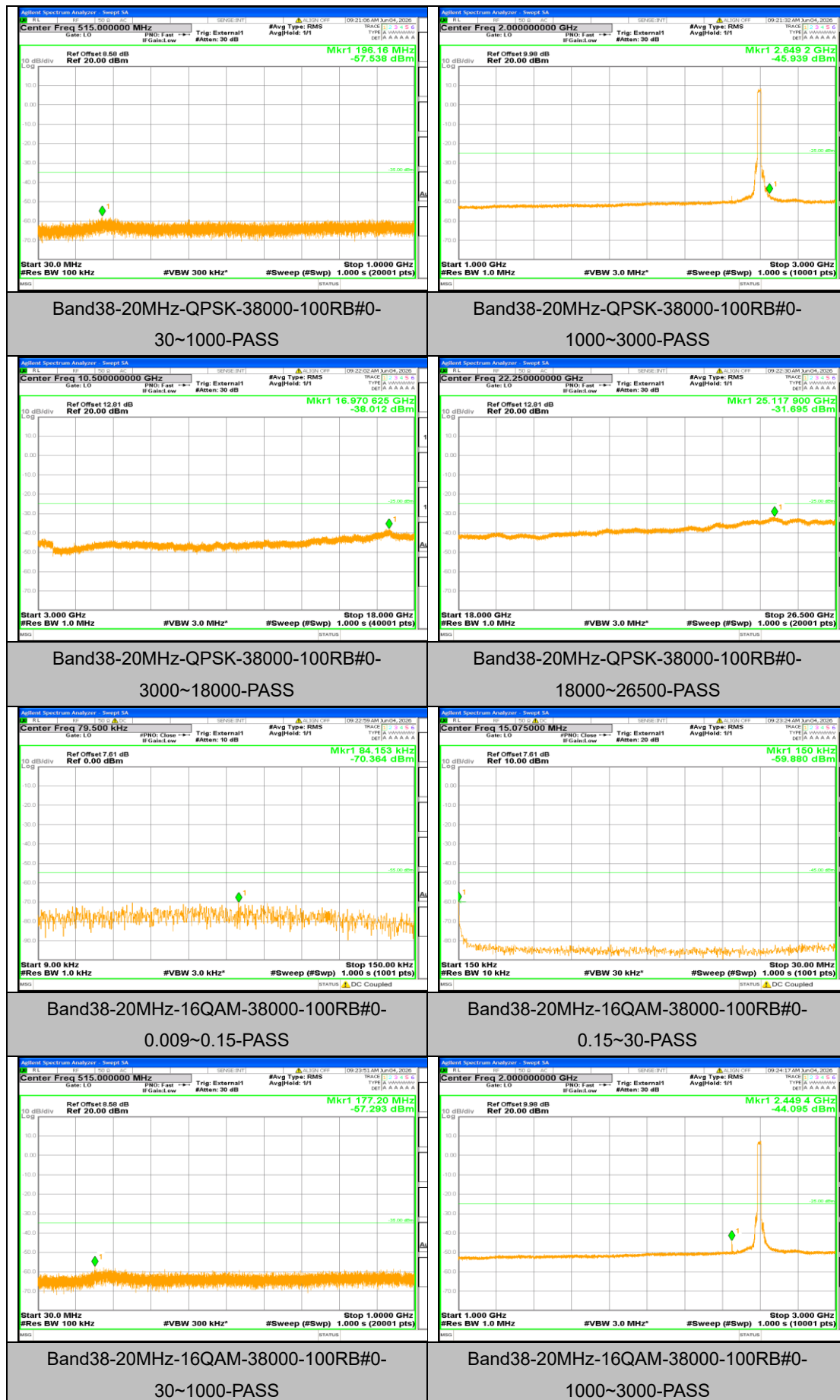
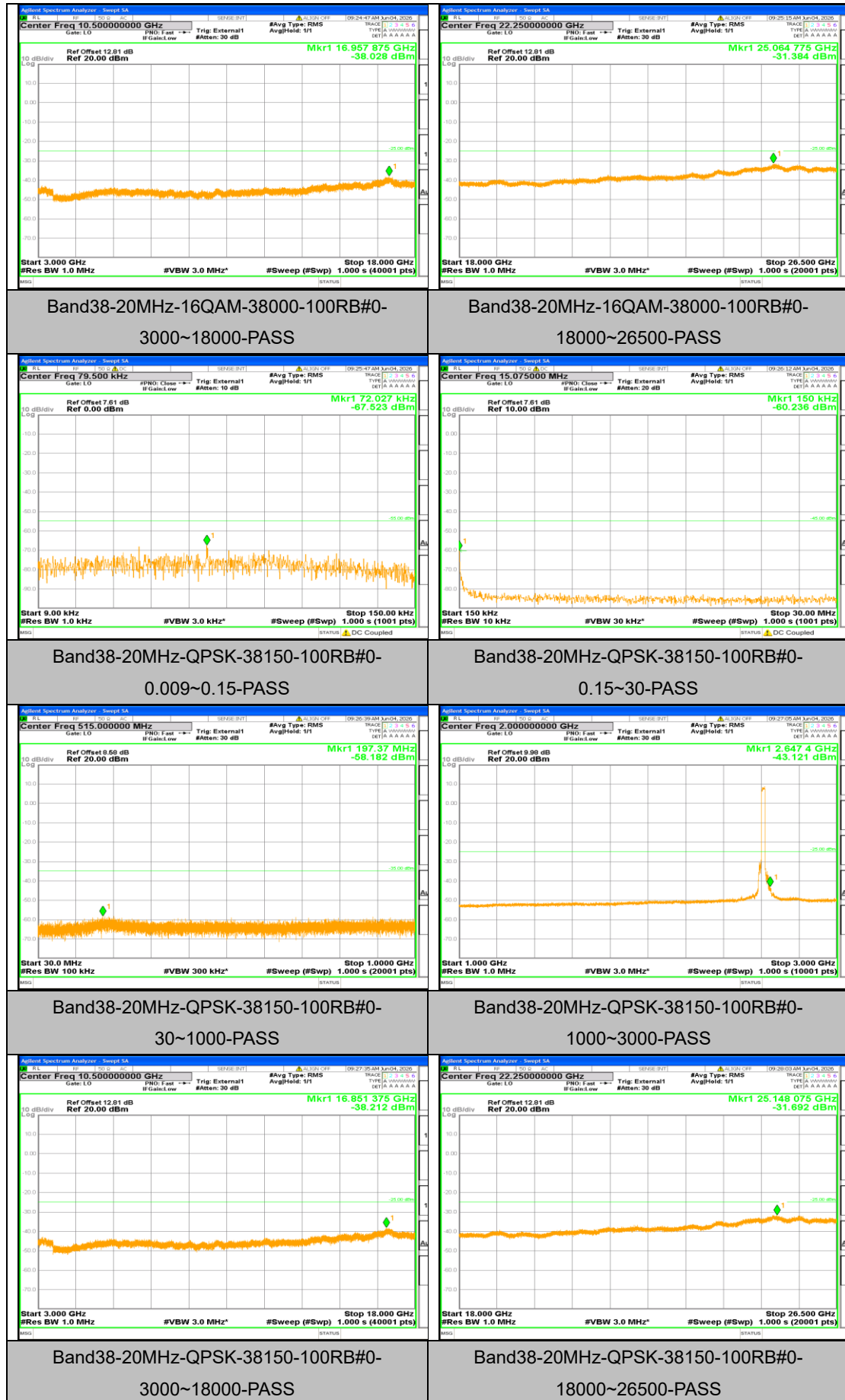
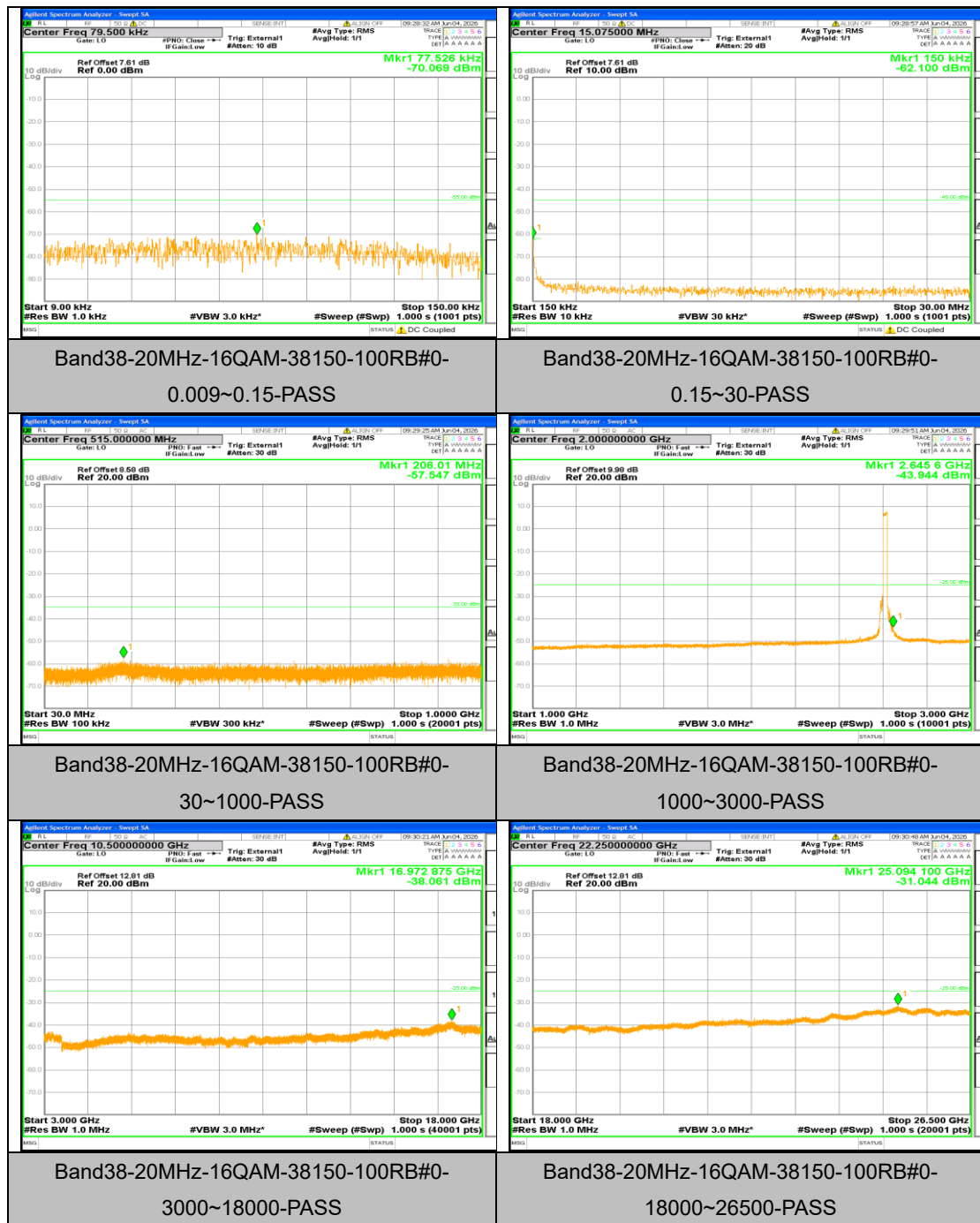










## Appendix F: Frequency Stability

### Test Result

| Temperature |           |            |         |                  |               |                  |                |                 |             |         |
|-------------|-----------|------------|---------|------------------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band        | Bandwidth | Modulation | Channel | RB Configuration | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| Band38      | 5MHz      | QPSK       | 37775   | 25RB#0           | NV            | -30              | 17.01          | 0.006612        | ±2.5        | PASS    |
| Band38      | 5MHz      | QPSK       | 37775   | 25RB#0           | NV            | -20              | 22.87          | 0.008890        | ±2.5        | PASS    |
| Band38      | 5MHz      | QPSK       | 37775   | 25RB#0           | NV            | -10              | 18.40          | 0.007153        | ±2.5        | PASS    |
| Band38      | 5MHz      | QPSK       | 37775   | 25RB#0           | NV            | 0                | 8.48           | 0.003296        | ±2.5        | PASS    |
| Band38      | 5MHz      | QPSK       | 37775   | 25RB#0           | NV            | 10               | -9.04          | -0.003514       | ±2.5        | PASS    |
| Band38      | 5MHz      | QPSK       | 37775   | 25RB#0           | NV            | 20               | 13.33          | 0.005182        | ±2.5        | PASS    |
| Band38      | 5MHz      | QPSK       | 37775   | 25RB#0           | NV            | 30               | 24.16          | 0.009392        | ±2.5        | PASS    |
| Band38      | 5MHz      | QPSK       | 37775   | 25RB#0           | NV            | 40               | 25.25          | 0.009815        | ±2.5        | PASS    |
| Band38      | 5MHz      | QPSK       | 37775   | 25RB#0           | NV            | 50               | 27.38          | 0.010643        | ±2.5        | PASS    |
| Band38      | 5MHz      | 16QAM      | 37775   | 25RB#0           | NV            | -30              | 14.26          | 0.005543        | ±2.5        | PASS    |
| Band38      | 5MHz      | 16QAM      | 37775   | 25RB#0           | NV            | -20              | 23.65          | 0.009193        | ±2.5        | PASS    |
| Band38      | 5MHz      | 16QAM      | 37775   | 25RB#0           | NV            | -10              | 22.76          | 0.008847        | ±2.5        | PASS    |
| Band38      | 5MHz      | 16QAM      | 37775   | 25RB#0           | NV            | 0                | 22.20          | 0.008630        | ±2.5        | PASS    |
| Band38      | 5MHz      | 16QAM      | 37775   | 25RB#0           | NV            | 10               | 31.73          | 0.012334        | ±2.5        | PASS    |
| Band38      | 5MHz      | 16QAM      | 37775   | 25RB#0           | NV            | 20               | 41.91          | 0.016292        | ±2.5        | PASS    |
| Band38      | 5MHz      | 16QAM      | 37775   | 25RB#0           | NV            | 30               | 39.30          | 0.015277        | ±2.5        | PASS    |
| Band38      | 5MHz      | 16QAM      | 37775   | 25RB#0           | NV            | 40               | 42.92          | 0.016684        | ±2.5        | PASS    |
| Band38      | 5MHz      | 16QAM      | 37775   | 25RB#0           | NV            | 50               | 46.62          | 0.018122        | ±2.5        | PASS    |
| Band38      | 5MHz      | QPSK       | 38000   | 25RB#0           | NV            | -30              | 33.26          | 0.012817        | ±2.5        | PASS    |
| Band38      | 5MHz      | QPSK       | 38000   | 25RB#0           | NV            | -20              | 18.53          | 0.007141        | ±2.5        | PASS    |
| Band38      | 5MHz      | QPSK       | 38000   | 25RB#0           | NV            | -10              | -7.77          | -0.002994       | ±2.5        | PASS    |
| Band38      | 5MHz      | QPSK       | 38000   | 25RB#0           | NV            | 0                | -26.44         | -0.010189       | ±2.5        | PASS    |
| Band38      | 5MHz      | QPSK       | 38000   | 25RB#0           | NV            | 10               | -28.88         | -0.011129       | ±2.5        | PASS    |
| Band38      | 5MHz      | QPSK       | 38000   | 25RB#0           | NV            | 20               | -34.38         | -0.013249       | ±2.5        | PASS    |
| Band38      | 5MHz      | QPSK       | 38000   | 25RB#0           | NV            | 30               | -34.42         | -0.013264       | ±2.5        | PASS    |
| Band38      | 5MHz      | QPSK       | 38000   | 25RB#0           | NV            | 40               | -40.35         | -0.015549       | ±2.5        | PASS    |
| Band38      | 5MHz      | QPSK       | 38000   | 25RB#0           | NV            | 50               | -44.65         | -0.017206       | ±2.5        | PASS    |
| Band38      | 5MHz      | 16QAM      | 38000   | 25RB#0           | NV            | -30              | -9.90          | -0.003815       | ±2.5        | PASS    |
| Band38      | 5MHz      | 16QAM      | 38000   | 25RB#0           | NV            | -20              | -10.66         | -0.004108       | ±2.5        | PASS    |
| Band38      | 5MHz      | 16QAM      | 38000   | 25RB#0           | NV            | -10              | -8.07          | -0.003110       | ±2.5        | PASS    |
| Band38      | 5MHz      | 16QAM      | 38000   | 25RB#0           | NV            | 0                | -11.60         | -0.004470       | ±2.5        | PASS    |
| Band38      | 5MHz      | 16QAM      | 38000   | 25RB#0           | NV            | 10               | -12.13         | -0.004674       | ±2.5        | PASS    |
| Band38      | 5MHz      | 16QAM      | 38000   | 25RB#0           | NV            | 20               | -11.36         | -0.004378       | ±2.5        | PASS    |
| Band38      | 5MHz      | 16QAM      | 38000   | 25RB#0           | NV            | 30               | -9.14          | -0.003522       | ±2.5        | PASS    |
| Band38      | 5MHz      | 16QAM      | 38000   | 25RB#0           | NV            | 40               | 4.82           | 0.001857        | ±2.5        | PASS    |

|        |       |       |       |        |    |     |        |           |      |      |
|--------|-------|-------|-------|--------|----|-----|--------|-----------|------|------|
| Band38 | 5MHz  | 16QAM | 38000 | 25RB#0 | NV | 50  | 6.27   | 0.002416  | ±2.5 | PASS |
| Band38 | 5MHz  | QPSK  | 38225 | 25RB#0 | NV | -30 | -21.16 | -0.008084 | ±2.5 | PASS |
| Band38 | 5MHz  | QPSK  | 38225 | 25RB#0 | NV | -20 | -35.15 | -0.013429 | ±2.5 | PASS |
| Band38 | 5MHz  | QPSK  | 38225 | 25RB#0 | NV | -10 | -51.31 | -0.019603 | ±2.5 | PASS |
| Band38 | 5MHz  | QPSK  | 38225 | 25RB#0 | NV | 0   | -48.67 | -0.018594 | ±2.5 | PASS |
| Band38 | 5MHz  | QPSK  | 38225 | 25RB#0 | NV | 10  | -50.93 | -0.019457 | ±2.5 | PASS |
| Band38 | 5MHz  | QPSK  | 38225 | 25RB#0 | NV | 20  | 12.56  | 0.004798  | ±2.5 | PASS |
| Band38 | 5MHz  | QPSK  | 38225 | 25RB#0 | NV | 30  | -5.76  | -0.002201 | ±2.5 | PASS |
| Band38 | 5MHz  | QPSK  | 38225 | 25RB#0 | NV | 40  | -8.14  | -0.003110 | ±2.5 | PASS |
| Band38 | 5MHz  | QPSK  | 38225 | 25RB#0 | NV | 50  | -10.83 | -0.004138 | ±2.5 | PASS |
| Band38 | 5MHz  | 16QAM | 38225 | 25RB#0 | NV | -30 | 22.79  | 0.008707  | ±2.5 | PASS |
| Band38 | 5MHz  | 16QAM | 38225 | 25RB#0 | NV | -20 | 42.01  | 0.016050  | ±2.5 | PASS |
| Band38 | 5MHz  | 16QAM | 38225 | 25RB#0 | NV | -10 | 45.19  | 0.017265  | ±2.5 | PASS |
| Band38 | 5MHz  | 16QAM | 38225 | 25RB#0 | NV | 0   | 48.85  | 0.018663  | ±2.5 | PASS |
| Band38 | 5MHz  | 16QAM | 38225 | 25RB#0 | NV | 10  | -9.17  | -0.003503 | ±2.5 | PASS |
| Band38 | 5MHz  | 16QAM | 38225 | 25RB#0 | NV | 20  | 14.68  | 0.005608  | ±2.5 | PASS |
| Band38 | 5MHz  | 16QAM | 38225 | 25RB#0 | NV | 30  | 14.46  | 0.005524  | ±2.5 | PASS |
| Band38 | 5MHz  | 16QAM | 38225 | 25RB#0 | NV | 40  | 33.57  | 0.012825  | ±2.5 | PASS |
| Band38 | 5MHz  | 16QAM | 38225 | 25RB#0 | NV | 50  | 45.70  | 0.017459  | ±2.5 | PASS |
| Band38 | 10MHz | QPSK  | 37800 | 50RB#0 | NV | -30 | -36.33 | -0.014109 | ±2.5 | PASS |
| Band38 | 10MHz | QPSK  | 37800 | 50RB#0 | NV | -20 | -48.81 | -0.018955 | ±2.5 | PASS |
| Band38 | 10MHz | QPSK  | 37800 | 50RB#0 | NV | -10 | 13.83  | 0.005371  | ±2.5 | PASS |
| Band38 | 10MHz | QPSK  | 37800 | 50RB#0 | NV | 0   | 25.46  | 0.009887  | ±2.5 | PASS |
| Band38 | 10MHz | QPSK  | 37800 | 50RB#0 | NV | 10  | 23.22  | 0.009017  | ±2.5 | PASS |
| Band38 | 10MHz | QPSK  | 37800 | 50RB#0 | NV | 20  | 27.34  | 0.010617  | ±2.5 | PASS |
| Band38 | 10MHz | QPSK  | 37800 | 50RB#0 | NV | 30  | 17.44  | 0.006773  | ±2.5 | PASS |
| Band38 | 10MHz | QPSK  | 37800 | 50RB#0 | NV | 40  | 10.64  | 0.004132  | ±2.5 | PASS |
| Band38 | 10MHz | QPSK  | 37800 | 50RB#0 | NV | 50  | 7.11   | 0.002761  | ±2.5 | PASS |
| Band38 | 10MHz | 16QAM | 37800 | 50RB#0 | NV | -30 | -16.06 | -0.006237 | ±2.5 | PASS |
| Band38 | 10MHz | 16QAM | 37800 | 50RB#0 | NV | -20 | -9.03  | -0.003507 | ±2.5 | PASS |
| Band38 | 10MHz | 16QAM | 37800 | 50RB#0 | NV | -10 | 20.47  | 0.007950  | ±2.5 | PASS |
| Band38 | 10MHz | 16QAM | 37800 | 50RB#0 | NV | 0   | 26.05  | 0.010117  | ±2.5 | PASS |
| Band38 | 10MHz | 16QAM | 37800 | 50RB#0 | NV | 10  | 36.29  | 0.014093  | ±2.5 | PASS |
| Band38 | 10MHz | 16QAM | 37800 | 50RB#0 | NV | 20  | 32.94  | 0.012792  | ±2.5 | PASS |
| Band38 | 10MHz | 16QAM | 37800 | 50RB#0 | NV | 30  | 42.82  | 0.016629  | ±2.5 | PASS |
| Band38 | 10MHz | 16QAM | 37800 | 50RB#0 | NV | 40  | -13.56 | -0.005266 | ±2.5 | PASS |
| Band38 | 10MHz | 16QAM | 37800 | 50RB#0 | NV | 50  | -9.93  | -0.003856 | ±2.5 | PASS |
| Band38 | 10MHz | QPSK  | 38000 | 50RB#0 | NV | -30 | 19.33  | 0.007449  | ±2.5 | PASS |
| Band38 | 10MHz | QPSK  | 38000 | 50RB#0 | NV | -20 | 15.81  | 0.006092  | ±2.5 | PASS |
| Band38 | 10MHz | QPSK  | 38000 | 50RB#0 | NV | -10 | 5.11   | 0.001969  | ±2.5 | PASS |
| Band38 | 10MHz | QPSK  | 38000 | 50RB#0 | NV | 0   | -19.43 | -0.007487 | ±2.5 | PASS |

|        |       |       |       |        |    |     |        |           |      |      |
|--------|-------|-------|-------|--------|----|-----|--------|-----------|------|------|
| Band38 | 10MHz | QPSK  | 38000 | 50RB#0 | NV | 10  | -34.76 | -0.013395 | ±2.5 | PASS |
| Band38 | 10MHz | QPSK  | 38000 | 50RB#0 | NV | 20  | -56.83 | -0.021900 | ±2.5 | PASS |
| Band38 | 10MHz | QPSK  | 38000 | 50RB#0 | NV | 30  | 14.53  | 0.005599  | ±2.5 | PASS |
| Band38 | 10MHz | QPSK  | 38000 | 50RB#0 | NV | 40  | 5.14   | 0.001981  | ±2.5 | PASS |
| Band38 | 10MHz | QPSK  | 38000 | 50RB#0 | NV | 50  | 5.75   | 0.002216  | ±2.5 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 50RB#0 | NV | -30 | -13.28 | -0.005118 | ±2.5 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 50RB#0 | NV | -20 | -11.77 | -0.004536 | ±2.5 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 50RB#0 | NV | -10 | 5.28   | 0.002035  | ±2.5 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 50RB#0 | NV | 0   | 13.02  | 0.005017  | ±2.5 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 50RB#0 | NV | 10  | 11.90  | 0.004586  | ±2.5 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 50RB#0 | NV | 20  | 11.53  | 0.004443  | ±2.5 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 50RB#0 | NV | 30  | 12.73  | 0.004906  | ±2.5 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 50RB#0 | NV | 40  | 9.74   | 0.003753  | ±2.5 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 50RB#0 | NV | 50  | 13.76  | 0.005303  | ±2.5 | PASS |
| Band38 | 10MHz | QPSK  | 38200 | 50RB#0 | NV | -30 | 48.14  | 0.018409  | ±2.5 | PASS |
| Band38 | 10MHz | QPSK  | 38200 | 50RB#0 | NV | -20 | -4.09  | -0.001564 | ±2.5 | PASS |
| Band38 | 10MHz | QPSK  | 38200 | 50RB#0 | NV | -10 | -7.72  | -0.002952 | ±2.5 | PASS |
| Band38 | 10MHz | QPSK  | 38200 | 50RB#0 | NV | 0   | -12.19 | -0.004662 | ±2.5 | PASS |
| Band38 | 10MHz | QPSK  | 38200 | 50RB#0 | NV | 10  | -12.72 | -0.004864 | ±2.5 | PASS |
| Band38 | 10MHz | QPSK  | 38200 | 50RB#0 | NV | 20  | -22.66 | -0.008665 | ±2.5 | PASS |
| Band38 | 10MHz | QPSK  | 38200 | 50RB#0 | NV | 30  | -40.90 | -0.015641 | ±2.5 | PASS |
| Band38 | 10MHz | QPSK  | 38200 | 50RB#0 | NV | 40  | -55.66 | -0.021285 | ±2.5 | PASS |
| Band38 | 10MHz | QPSK  | 38200 | 50RB#0 | NV | 50  | -16.55 | -0.006329 | ±2.5 | PASS |
| Band38 | 10MHz | 16QAM | 38200 | 50RB#0 | NV | -30 | -22.96 | -0.008780 | ±2.5 | PASS |
| Band38 | 10MHz | 16QAM | 38200 | 50RB#0 | NV | -20 | -18.02 | -0.006891 | ±2.5 | PASS |
| Band38 | 10MHz | 16QAM | 38200 | 50RB#0 | NV | -10 | -8.77  | -0.003354 | ±2.5 | PASS |
| Band38 | 10MHz | 16QAM | 38200 | 50RB#0 | NV | 0   | 8.11   | 0.003101  | ±2.5 | PASS |
| Band38 | 10MHz | 16QAM | 38200 | 50RB#0 | NV | 10  | 15.59  | 0.005962  | ±2.5 | PASS |
| Band38 | 10MHz | 16QAM | 38200 | 50RB#0 | NV | 20  | 23.35  | 0.008929  | ±2.5 | PASS |
| Band38 | 10MHz | 16QAM | 38200 | 50RB#0 | NV | 30  | 37.04  | 0.014164  | ±2.5 | PASS |
| Band38 | 10MHz | 16QAM | 38200 | 50RB#0 | NV | 40  | 46.85  | 0.017916  | ±2.5 | PASS |
| Band38 | 10MHz | 16QAM | 38200 | 50RB#0 | NV | 50  | 47.22  | 0.018057  | ±2.5 | PASS |
| Band38 | 15MHz | QPSK  | 37825 | 75RB#0 | NV | -30 | 21.76  | 0.008442  | ±2.5 | PASS |
| Band38 | 15MHz | QPSK  | 37825 | 75RB#0 | NV | -20 | 8.67   | 0.003364  | ±2.5 | PASS |
| Band38 | 15MHz | QPSK  | 37825 | 75RB#0 | NV | -10 | -9.77  | -0.003790 | ±2.5 | PASS |
| Band38 | 15MHz | QPSK  | 37825 | 75RB#0 | NV | 0   | -10.34 | -0.004012 | ±2.5 | PASS |
| Band38 | 15MHz | QPSK  | 37825 | 75RB#0 | NV | 10  | -17.67 | -0.006855 | ±2.5 | PASS |
| Band38 | 15MHz | QPSK  | 37825 | 75RB#0 | NV | 20  | -16.08 | -0.006239 | ±2.5 | PASS |
| Band38 | 15MHz | QPSK  | 37825 | 75RB#0 | NV | 30  | -4.92  | -0.001909 | ±2.5 | PASS |
| Band38 | 15MHz | QPSK  | 37825 | 75RB#0 | NV | 40  | -9.71  | -0.003767 | ±2.5 | PASS |
| Band38 | 15MHz | QPSK  | 37825 | 75RB#0 | NV | 50  | -7.24  | -0.002809 | ±2.5 | PASS |

|        |       |       |       |        |    |     |        |           |      |      |
|--------|-------|-------|-------|--------|----|-----|--------|-----------|------|------|
| Band38 | 15MHz | 16QAM | 37825 | 75RB#0 | NV | -30 | -21.27 | -0.008252 | ±2.5 | PASS |
| Band38 | 15MHz | 16QAM | 37825 | 75RB#0 | NV | -20 | -8.53  | -0.003309 | ±2.5 | PASS |
| Band38 | 15MHz | 16QAM | 37825 | 75RB#0 | NV | -10 | 7.52   | 0.002918  | ±2.5 | PASS |
| Band38 | 15MHz | 16QAM | 37825 | 75RB#0 | NV | 0   | 7.31   | 0.002836  | ±2.5 | PASS |
| Band38 | 15MHz | 16QAM | 37825 | 75RB#0 | NV | 10  | 33.13  | 0.012854  | ±2.5 | PASS |
| Band38 | 15MHz | 16QAM | 37825 | 75RB#0 | NV | 20  | 44.50  | 0.017265  | ±2.5 | PASS |
| Band38 | 15MHz | 16QAM | 37825 | 75RB#0 | NV | 30  | -21.01 | -0.008151 | ±2.5 | PASS |
| Band38 | 15MHz | 16QAM | 37825 | 75RB#0 | NV | 40  | -20.27 | -0.007864 | ±2.5 | PASS |
| Band38 | 15MHz | 16QAM | 37825 | 75RB#0 | NV | 50  | -17.51 | -0.006793 | ±2.5 | PASS |
| Band38 | 15MHz | QPSK  | 38000 | 75RB#0 | NV | -30 | 13.83  | 0.005329  | ±2.5 | PASS |
| Band38 | 15MHz | QPSK  | 38000 | 75RB#0 | NV | -20 | -16.04 | -0.006181 | ±2.5 | PASS |
| Band38 | 15MHz | QPSK  | 38000 | 75RB#0 | NV | -10 | -35.09 | -0.013522 | ±2.5 | PASS |
| Band38 | 15MHz | QPSK  | 38000 | 75RB#0 | NV | 0   | -46.18 | -0.017796 | ±2.5 | PASS |
| Band38 | 15MHz | QPSK  | 38000 | 75RB#0 | NV | 10  | 16.04  | 0.006181  | ±2.5 | PASS |
| Band38 | 15MHz | QPSK  | 38000 | 75RB#0 | NV | 20  | 9.38   | 0.003615  | ±2.5 | PASS |
| Band38 | 15MHz | QPSK  | 38000 | 75RB#0 | NV | 30  | 8.31   | 0.003202  | ±2.5 | PASS |
| Band38 | 15MHz | QPSK  | 38000 | 75RB#0 | NV | 40  | -8.20  | -0.003160 | ±2.5 | PASS |
| Band38 | 15MHz | QPSK  | 38000 | 75RB#0 | NV | 50  | -11.94 | -0.004601 | ±2.5 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 75RB#0 | NV | -30 | -29.23 | -0.011264 | ±2.5 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 75RB#0 | NV | -20 | -26.28 | -0.010127 | ±2.5 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 75RB#0 | NV | -10 | -18.53 | -0.007141 | ±2.5 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 75RB#0 | NV | 0   | -12.72 | -0.004902 | ±2.5 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 75RB#0 | NV | 10  | -16.51 | -0.006362 | ±2.5 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 75RB#0 | NV | 20  | -17.94 | -0.006913 | ±2.5 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 75RB#0 | NV | 30  | -18.42 | -0.007098 | ±2.5 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 75RB#0 | NV | 40  | -22.99 | -0.008859 | ±2.5 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 75RB#0 | NV | 50  | -28.25 | -0.010886 | ±2.5 | PASS |
| Band38 | 15MHz | QPSK  | 38175 | 75RB#0 | NV | -30 | 23.26  | 0.008903  | ±2.5 | PASS |
| Band38 | 15MHz | QPSK  | 38175 | 75RB#0 | NV | -20 | 19.37  | 0.007414  | ±2.5 | PASS |
| Band38 | 15MHz | QPSK  | 38175 | 75RB#0 | NV | -10 | -7.98  | -0.003055 | ±2.5 | PASS |
| Band38 | 15MHz | QPSK  | 38175 | 75RB#0 | NV | 0   | -12.60 | -0.004823 | ±2.5 | PASS |
| Band38 | 15MHz | QPSK  | 38175 | 75RB#0 | NV | 10  | -11.82 | -0.004524 | ±2.5 | PASS |
| Band38 | 15MHz | QPSK  | 38175 | 75RB#0 | NV | 20  | -30.08 | -0.011514 | ±2.5 | PASS |
| Band38 | 15MHz | QPSK  | 38175 | 75RB#0 | NV | 30  | -33.95 | -0.012995 | ±2.5 | PASS |
| Band38 | 15MHz | QPSK  | 38175 | 75RB#0 | NV | 40  | -45.70 | -0.017493 | ±2.5 | PASS |
| Band38 | 15MHz | QPSK  | 38175 | 75RB#0 | NV | 50  | -50.34 | -0.019269 | ±2.5 | PASS |
| Band38 | 15MHz | 16QAM | 38175 | 75RB#0 | NV | -30 | -17.75 | -0.006794 | ±2.5 | PASS |
| Band38 | 15MHz | 16QAM | 38175 | 75RB#0 | NV | -20 | 5.68   | 0.002174  | ±2.5 | PASS |
| Band38 | 15MHz | 16QAM | 38175 | 75RB#0 | NV | -10 | 22.90  | 0.008766  | ±2.5 | PASS |
| Band38 | 15MHz | 16QAM | 38175 | 75RB#0 | NV | 0   | 25.43  | 0.009734  | ±2.5 | PASS |
| Band38 | 15MHz | 16QAM | 38175 | 75RB#0 | NV | 10  | 36.91  | 0.014128  | ±2.5 | PASS |

|        |       |       |       |         |    |     |        |           |      |      |
|--------|-------|-------|-------|---------|----|-----|--------|-----------|------|------|
| Band38 | 15MHz | 16QAM | 38175 | 75RB#0  | NV | 20  | 33.85  | 0.012957  | ±2.5 | PASS |
| Band38 | 15MHz | 16QAM | 38175 | 75RB#0  | NV | 30  | 26.79  | 0.010255  | ±2.5 | PASS |
| Band38 | 15MHz | 16QAM | 38175 | 75RB#0  | NV | 40  | 28.61  | 0.010951  | ±2.5 | PASS |
| Band38 | 15MHz | 16QAM | 38175 | 75RB#0  | NV | 50  | 36.52  | 0.013979  | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 37850 | 100RB#0 | NV | -30 | 27.54  | 0.010674  | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 37850 | 100RB#0 | NV | -20 | 10.40  | 0.004031  | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 37850 | 100RB#0 | NV | -10 | -17.94 | -0.006953 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 37850 | 100RB#0 | NV | 0   | -31.03 | -0.012027 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 37850 | 100RB#0 | NV | 10  | -39.30 | -0.015233 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 37850 | 100RB#0 | NV | 20  | -42.77 | -0.016578 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 37850 | 100RB#0 | NV | 30  | -51.28 | -0.019876 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 37850 | 100RB#0 | NV | 40  | -23.85 | -0.009244 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 37850 | 100RB#0 | NV | 50  | -40.35 | -0.015640 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 100RB#0 | NV | -30 | -40.15 | -0.015562 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 100RB#0 | NV | -20 | -25.35 | -0.009826 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 100RB#0 | NV | -10 | -24.50 | -0.009496 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 100RB#0 | NV | 0   | -26.35 | -0.010213 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 100RB#0 | NV | 10  | -24.46 | -0.009481 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 100RB#0 | NV | 20  | -13.42 | -0.005202 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 100RB#0 | NV | 30  | 12.86  | 0.004984  | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 100RB#0 | NV | 40  | 27.12  | 0.010512  | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 100RB#0 | NV | 50  | 45.65  | 0.017694  | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 38000 | 100RB#0 | NV | -30 | 9.34   | 0.003599  | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 38000 | 100RB#0 | NV | -20 | -18.63 | -0.007179 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 38000 | 100RB#0 | NV | -10 | -38.71 | -0.014917 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 38000 | 100RB#0 | NV | 0   | -41.97 | -0.016173 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 38000 | 100RB#0 | NV | 10  | -57.66 | -0.022220 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 38000 | 100RB#0 | NV | 20  | -8.37  | -0.003225 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 38000 | 100RB#0 | NV | 30  | -20.38 | -0.007854 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 38000 | 100RB#0 | NV | 40  | -30.01 | -0.011565 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 38000 | 100RB#0 | NV | 50  | -35.83 | -0.013807 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 100RB#0 | NV | -30 | -51.03 | -0.019665 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 100RB#0 | NV | -20 | -56.76 | -0.021873 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 100RB#0 | NV | -10 | -56.68 | -0.021842 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 100RB#0 | NV | 0   | -26.68 | -0.010281 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 100RB#0 | NV | 10  | -20.56 | -0.007923 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 100RB#0 | NV | 20  | -13.02 | -0.005017 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 100RB#0 | NV | 30  | -17.74 | -0.006836 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 100RB#0 | NV | 40  | -14.05 | -0.005414 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 100RB#0 | NV | 50  | -17.77 | -0.006848 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 38150 | 100RB#0 | NV | -30 | -14.32 | -0.005487 | ±2.5 | PASS |

|        |       |       |       |         |    |     |        |           |      |      |
|--------|-------|-------|-------|---------|----|-----|--------|-----------|------|------|
| Band38 | 20MHz | QPSK  | 38150 | 100RB#0 | NV | -20 | -22.65 | -0.008678 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 38150 | 100RB#0 | NV | -10 | -7.55  | -0.002893 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 38150 | 100RB#0 | NV | 0   | -5.82  | -0.002230 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 38150 | 100RB#0 | NV | 10  | -15.86 | -0.006077 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 38150 | 100RB#0 | NV | 20  | -23.47 | -0.008992 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 38150 | 100RB#0 | NV | 30  | -33.52 | -0.012843 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 38150 | 100RB#0 | NV | 40  | -41.58 | -0.015931 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 38150 | 100RB#0 | NV | 50  | -30.37 | -0.011636 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 100RB#0 | NV | -30 | -36.76 | -0.014084 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 100RB#0 | NV | -20 | -41.87 | -0.016042 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 100RB#0 | NV | -10 | -39.35 | -0.015077 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 100RB#0 | NV | 0   | -38.64 | -0.014805 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 100RB#0 | NV | 10  | -48.42 | -0.018552 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 100RB#0 | NV | 20  | -48.62 | -0.018628 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 100RB#0 | NV | 30  | -46.11 | -0.017667 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 100RB#0 | NV | 40  | -44.36 | -0.016996 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 100RB#0 | NV | 50  | -33.39 | -0.012793 | ±2.5 | PASS |

## Appendix G: Modulation Characteristics

### Test Result

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Verdict |
|--------|-----------|------------|---------|------------------|---------|
| Band38 | 5MHz      | QPSK       | 37775   | 25RB#0           | PASS    |
| Band38 | 5MHz      | 16QAM      | 37775   | 25RB#0           | PASS    |
| Band38 | 5MHz      | QPSK       | 38000   | 25RB#0           | PASS    |
| Band38 | 5MHz      | 16QAM      | 38000   | 25RB#0           | PASS    |
| Band38 | 5MHz      | QPSK       | 38225   | 25RB#0           | PASS    |
| Band38 | 5MHz      | 16QAM      | 38225   | 25RB#0           | PASS    |
| Band38 | 10MHz     | QPSK       | 37800   | 50RB#0           | PASS    |
| Band38 | 10MHz     | 16QAM      | 37800   | 50RB#0           | PASS    |
| Band38 | 10MHz     | QPSK       | 38000   | 50RB#0           | PASS    |
| Band38 | 10MHz     | 16QAM      | 38000   | 50RB#0           | PASS    |
| Band38 | 10MHz     | QPSK       | 38200   | 50RB#0           | PASS    |
| Band38 | 10MHz     | 16QAM      | 38200   | 50RB#0           | PASS    |
| Band38 | 15MHz     | QPSK       | 37825   | 75RB#0           | PASS    |
| Band38 | 15MHz     | 16QAM      | 37825   | 75RB#0           | PASS    |
| Band38 | 15MHz     | QPSK       | 38000   | 75RB#0           | PASS    |
| Band38 | 15MHz     | 16QAM      | 38000   | 75RB#0           | PASS    |
| Band38 | 15MHz     | QPSK       | 38175   | 75RB#0           | PASS    |
| Band38 | 15MHz     | 16QAM      | 38175   | 75RB#0           | PASS    |
| Band38 | 20MHz     | QPSK       | 37850   | 100RB#0          | PASS    |
| Band38 | 20MHz     | 16QAM      | 37850   | 100RB#0          | PASS    |
| Band38 | 20MHz     | QPSK       | 38000   | 100RB#0          | PASS    |
| Band38 | 20MHz     | 16QAM      | 38000   | 100RB#0          | PASS    |
| Band38 | 20MHz     | QPSK       | 38150   | 100RB#0          | PASS    |
| Band38 | 20MHz     | 16QAM      | 38150   | 100RB#0          | PASS    |

### Test Graphs

