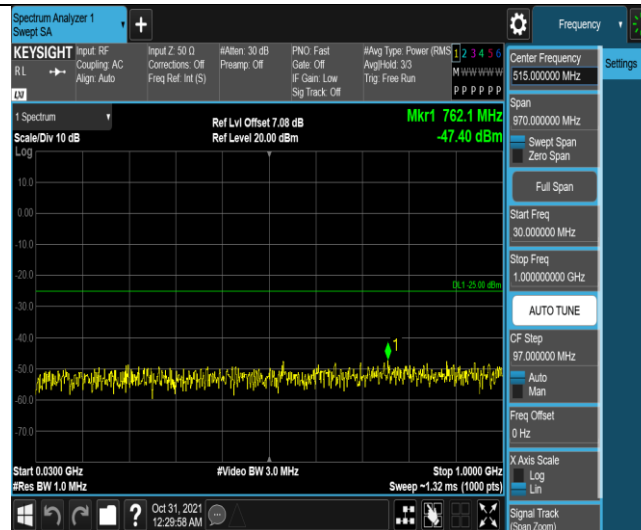
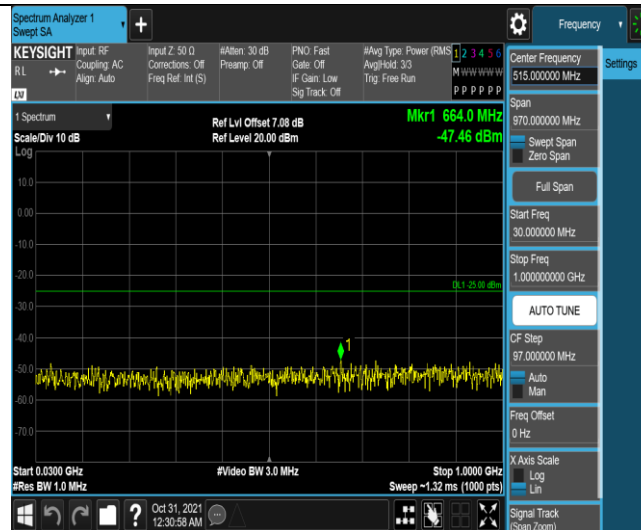




**Band38-15MHz-QPSK-38000-1RB#0-Range2:1000~27000MHz**



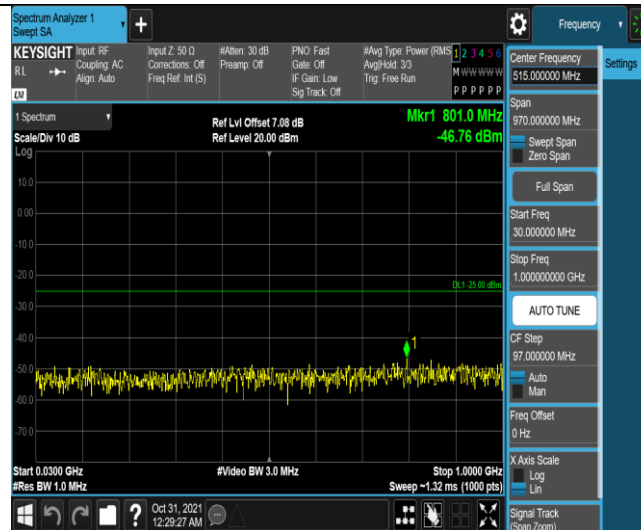
**Band38-15MHz-QPSK-38175-1RB#0-Range1:30~1000MHz**



**Band38-15MHz-QPSK-38175-1RB#0-Range2:1000~27000MHz**



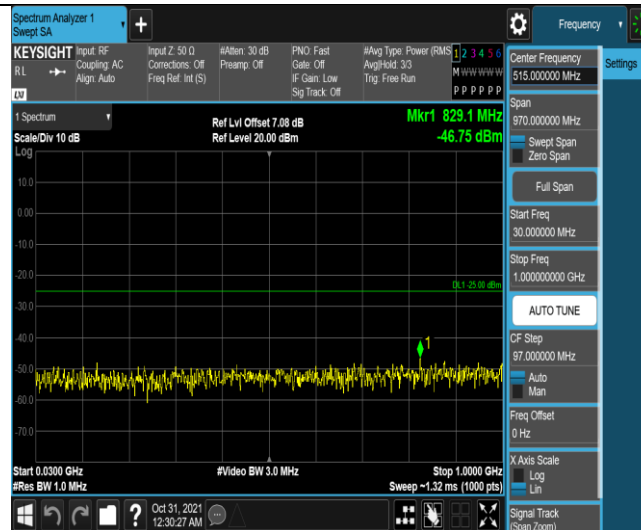
**Band38-15MHz-16QAM-37825-1RB#0-Range1:30~1000MHz**



**Band38-15MHz-16QAM-37825-1RB#0-Range2:1000~27000MHz**



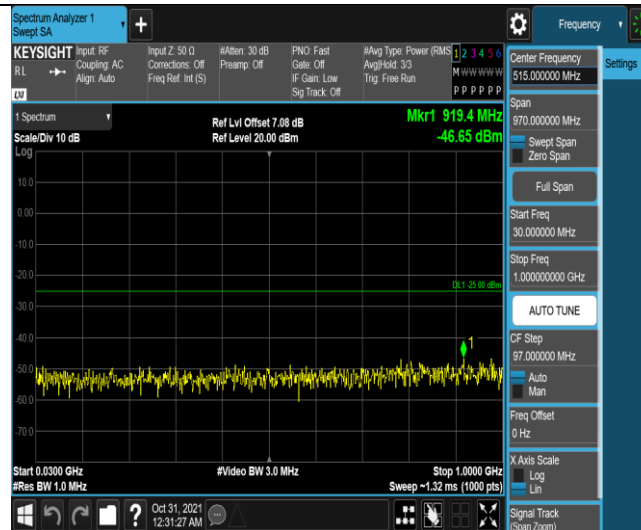
**Band38-15MHz-16QAM-38000-1RB#0-Range1:30~1000MHz**



**Band38-15MHz-16QAM-38000-1RB#0-Range2:1000~27000MHz**



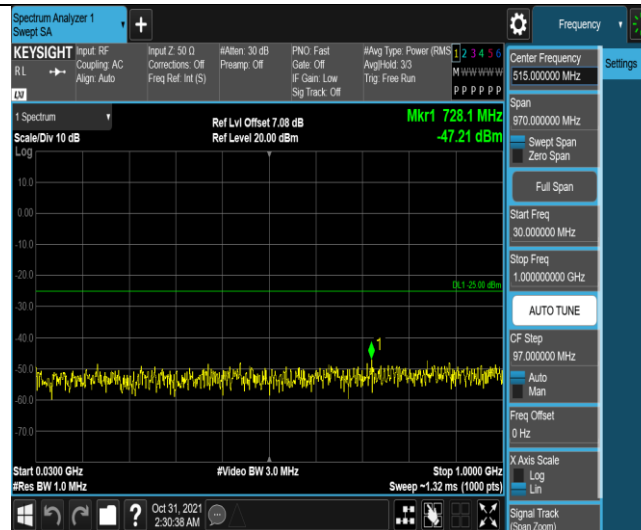
**Band38-15MHz-16QAM-38175-1RB#0-Range1:30~1000MHz**



**Band38-15MHz-16QAM-38175-1RB#0-Range2:1000~27000MHz**



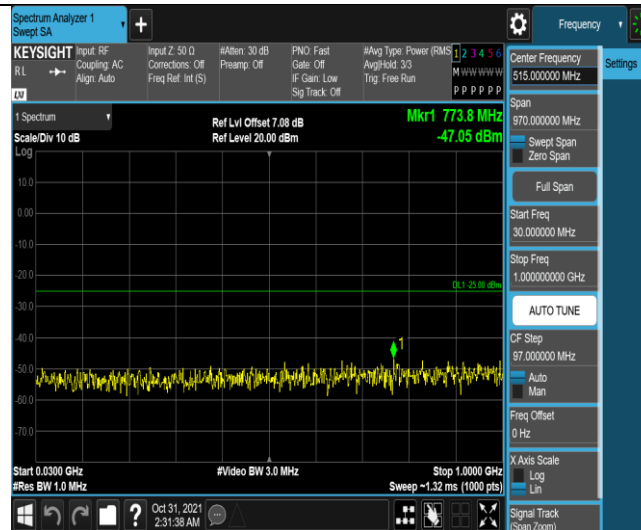
**Band38-20MHz-QPSK-37850-1RB#0-Range1:30~1000MHz**



**Band38-20MHz-QPSK-37850-1RB#0-Range2:1000~27000MHz**



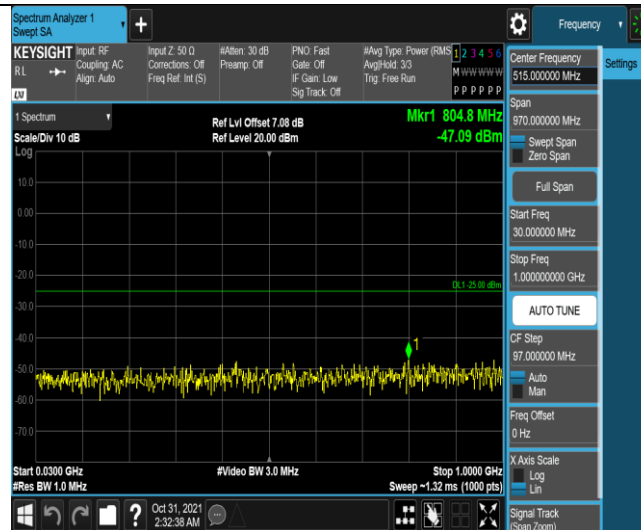
**Band38-20MHz-QPSK-38000-1RB#0-Range1:30~1000MHz**



**Band38-20MHz-QPSK-38000-1RB#0-Range2:1000~27000MHz**



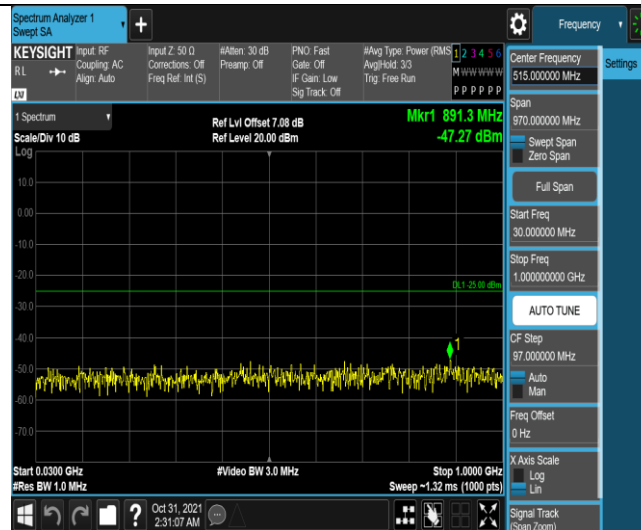
**Band38-20MHz-QPSK-38150-1RB#0-Range1:30~1000MHz**



**Band38-20MHz-QPSK-38150-1RB#0-Range2:1000~27000MHz**



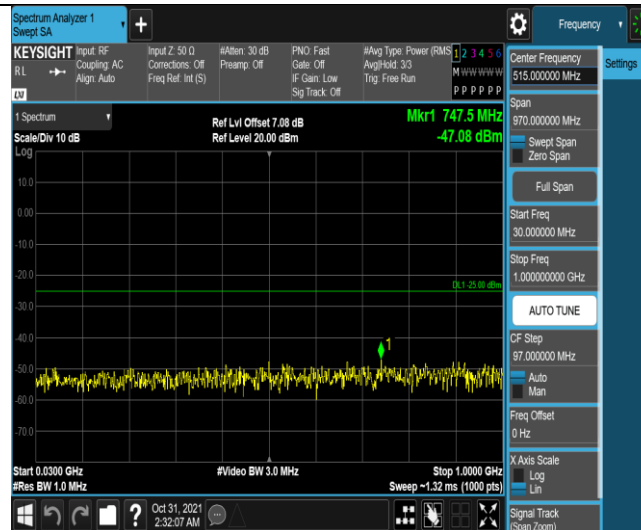
**Band38-20MHz-16QAM-37850-1RB#0-Range1:30~1000MHz**



**Band38-20MHz-16QAM-37850-1RB#0-Range2:1000~27000MHz**



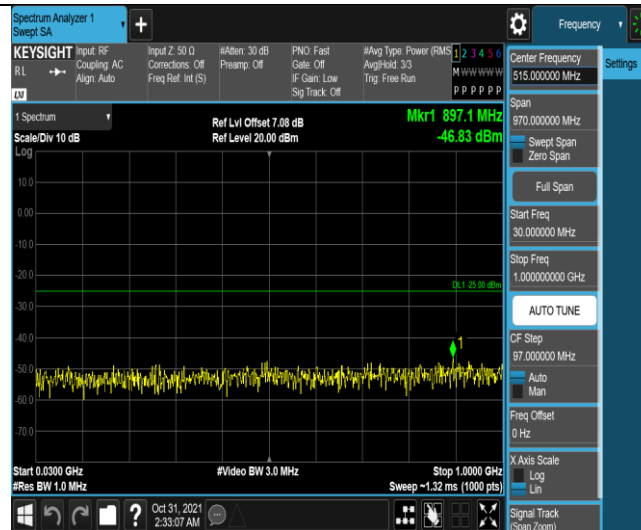
**Band38-20MHz-16QAM-38000-1RB#0-Range1:30~1000MHz**



**Band38-20MHz-16QAM-38000-1RB#0-Range2:1000~27000MHz**



**Band38-20MHz-16QAM-38150-1RB#0-Range1:30~1000MHz**



**Band38-20MHz-16QAM-38150-1RB#0-Range2:1000~27000MHz**



## Appendix G Field Strength of Spurious Radiation

The transmitting equipment under test (EUT) is placed on a styrene turntable which is four feet in diameter and approximately 0.8 meter up to 1GHz and 1.5 meter above 1GHz in height above the ground plane. During the radiated emissions test, the turntable is rotated and any cables leaving the EUT are manipulated to find the configuration resulting in maximum emissions. The EUT is adjusted through all three orthogonal axes to obtain maximum emission levels. The antenna height and polarization are varied during the testing to search for maximum signal levels.

The frequency range scanned is from the lowest radio frequency signal generated in the device which is greater than 9 kHz to the tenth harmonic of the highest fundamental frequency or 40 GHz, whichever is lower. The emissions were very low against the limit in the frequency range 9kHz to 30MHz and 18 GHz ~ 20 GHz.

Note: We tested all modes, but the data presented below is the worst case.

9kHz~150kHz, VBW = 200Hz, VBW = 600 Hz, Detector: PK

150kHz~30MHz, VBW = 9kHz, VBW = 30k Hz, Detector: PK

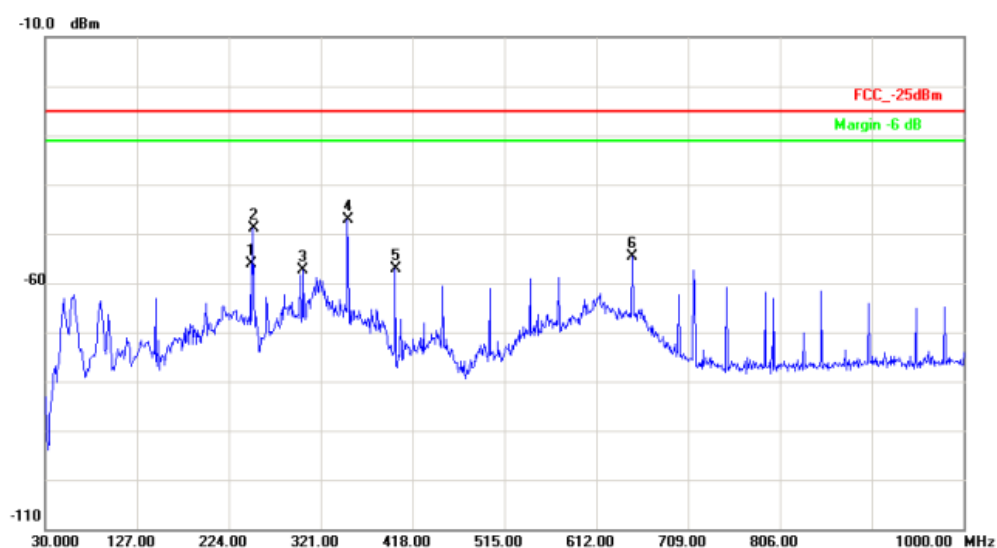
30MHz~1GHz, RBW = 100 kHz, VBW = 300 kHz. Detector: PK

Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

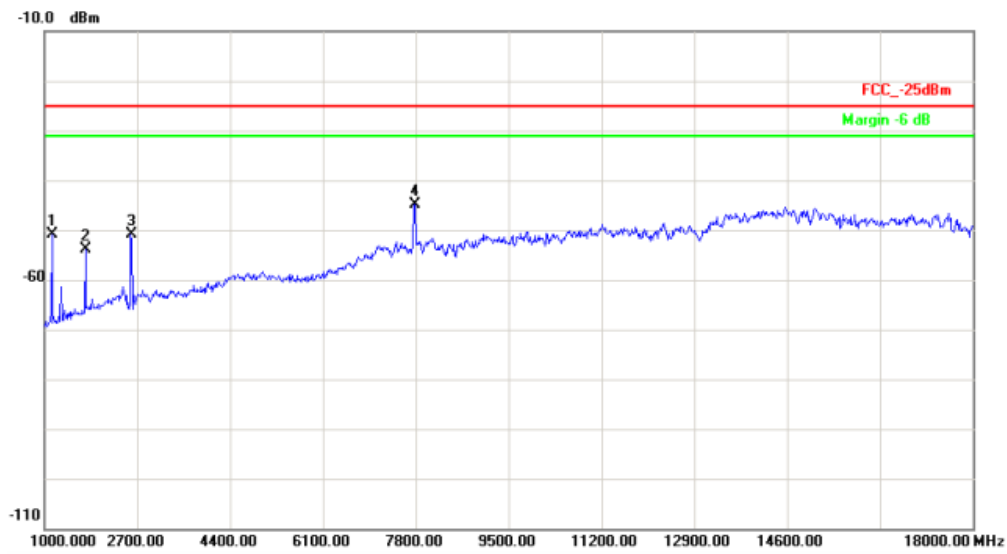
### Test Plots

Test Band = BAND38

Worst Test Bandwidth = 20MHz



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
|     |     | MHz      | dBm           | dB             | dBm         | dBm    | dB     | cm             | degree       | Comment |
| 1   |     | 247.7650 | -51.05        | -5.18          | -56.23      | -25.00 | -31.23 | RMS            |              |         |
| 2   |     | 249.9960 | -43.64        | -5.14          | -48.78      | -25.00 | -23.78 | RMS            |              |         |
| 3   |     | 302.8125 | -52.80        | -4.54          | -57.34      | -25.00 | -32.34 | RMS            |              |         |
| 4 * |     | 350.0030 | -43.58        | -3.58          | -47.16      | -25.00 | -22.16 | RMS            |              |         |
| 5   |     | 400.0065 | -54.10        | -2.96          | -57.06      | -25.00 | -32.06 | RMS            |              |         |
| 6   |     | 650.0725 | -55.88        | 1.31           | -54.57      | -25.00 | -29.57 | RMS            |              |         |



| No. | Mk. | Freq.    | Reading | Correct | Measure- | Limit  | Over   | Antenna  | Table  |        |
|-----|-----|----------|---------|---------|----------|--------|--------|----------|--------|--------|
|     |     | MHz      | Level   | Factor  | ment     |        |        | Height   | Degree |        |
|     |     |          | dBm     | dB      | dBm      | dBm    | dB     | Detector | cm     | degree |
| 1   |     | 1149.600 | -47.67  | -3.18   | -50.85   | -25.00 | -25.85 | RMS      |        |        |
| 2   |     | 1761.600 | -53.73  | -0.23   | -53.96   | -25.00 | -28.96 | RMS      |        |        |
| 3   |     | 2595.450 | -54.27  | 3.50    | -50.77   | -25.00 | -25.77 | RMS      |        |        |
| 4   | *   | 7785.550 | -59.94  | 15.16   | -44.78   | -25.00 | -19.78 | RMS      |        |        |

## Appendix H: Frequency Stability

### Test Result

Frequency Error vs. Voltage:

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
|--------|-----------|------------|---------|------------------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band38 | 5MHz      | QPSK       | 37775   | 25RB#0           | VL            | NT               | 7.82           | 0.003040        | ±2.5        | PASS    |
| Band38 | 5MHz      | QPSK       | 37775   | 25RB#0           | VN            | NT               | 4.81           | 0.001870        | ±2.5        | PASS    |
| Band38 | 5MHz      | QPSK       | 37775   | 25RB#0           | VH            | NT               | 7.16           | 0.002783        | ±2.5        | PASS    |
| Band38 | 5MHz      | QPSK       | 38000   | 25RB#0           | VL            | NT               | -7.76          | -0.002990       | ±2.5        | PASS    |
| Band38 | 5MHz      | QPSK       | 38000   | 25RB#0           | VN            | NT               | -8.08          | -0.003114       | ±2.5        | PASS    |
| Band38 | 5MHz      | QPSK       | 38000   | 25RB#0           | VH            | NT               | -7.28          | -0.002805       | ±2.5        | PASS    |
| Band38 | 5MHz      | QPSK       | 38225   | 25RB#0           | VL            | NT               | -4.51          | -0.001723       | ±2.5        | PASS    |
| Band38 | 5MHz      | QPSK       | 38225   | 25RB#0           | VN            | NT               | -5.66          | -0.002162       | ±2.5        | PASS    |
| Band38 | 5MHz      | QPSK       | 38225   | 25RB#0           | VH            | NT               | -7.01          | -0.002678       | ±2.5        | PASS    |
| Band38 | 5MHz      | 16QAM      | 37775   | 25RB#0           | VL            | NT               | -8.83          | -0.003432       | ±2.5        | PASS    |
| Band38 | 5MHz      | 16QAM      | 37775   | 25RB#0           | VN            | NT               | -4.12          | -0.001602       | ±2.5        | PASS    |
| Band38 | 5MHz      | 16QAM      | 37775   | 25RB#0           | VH            | NT               | 8.30           | 0.003226        | ±2.5        | PASS    |
| Band38 | 5MHz      | 16QAM      | 38000   | 25RB#0           | VL            | NT               | -8.94          | -0.003445       | ±2.5        | PASS    |
| Band38 | 5MHz      | 16QAM      | 38000   | 25RB#0           | VN            | NT               | 7.79           | 0.003002        | ±2.5        | PASS    |
| Band38 | 5MHz      | 16QAM      | 38000   | 25RB#0           | VH            | NT               | -7.65          | -0.002948       | ±2.5        | PASS    |
| Band38 | 5MHz      | 16QAM      | 38225   | 25RB#0           | VL            | NT               | -6.88          | -0.002628       | ±2.5        | PASS    |
| Band38 | 5MHz      | 16QAM      | 38225   | 25RB#0           | VN            | NT               | 4.84           | 0.001849        | ±2.5        | PASS    |
| Band38 | 5MHz      | 16QAM      | 38225   | 25RB#0           | VH            | NT               | -5.68          | -0.002170       | ±2.5        | PASS    |
| Band38 | 10MHz     | QPSK       | 37800   | 50RB#0           | VL            | NT               | 11.19          | 0.004346        | ±2.5        | PASS    |
| Band38 | 10MHz     | QPSK       | 37800   | 50RB#0           | VN            | NT               | 8.01           | 0.003111        | ±2.5        | PASS    |
| Band38 | 10MHz     | QPSK       | 37800   | 50RB#0           | VH            | NT               | 11.25          | 0.004369        | ±2.5        | PASS    |
| Band38 | 10MHz     | QPSK       | 38000   | 50RB#0           | VL            | NT               | -6.18          | -0.002382       | ±2.5        | PASS    |
| Band38 | 10MHz     | QPSK       | 38000   | 50RB#0           | VN            | NT               | -11.00         | -0.004239       | ±2.5        | PASS    |
| Band38 | 10MHz     | QPSK       | 38000   | 50RB#0           | VH            | NT               | -7.98          | -0.003075       | ±2.5        | PASS    |
| Band38 | 10MHz     | QPSK       | 38200   | 50RB#0           | VL            | NT               | 9.13           | 0.003491        | ±2.5        | PASS    |
| Band38 | 10MHz     | QPSK       | 38200   | 50RB#0           | VN            | NT               | 4.42           | 0.001690        | ±2.5        | PASS    |
| Band38 | 10MHz     | QPSK       | 38200   | 50RB#0           | VH            | NT               | 5.62           | 0.002149        | ±2.5        | PASS    |
| Band38 | 10MHz     | 16QAM      | 37800   | 50RB#0           | VL            | NT               | 12.49          | 0.004850        | ±2.5        | PASS    |
| Band38 | 10MHz     | 16QAM      | 37800   | 50RB#0           | VN            | NT               | 12.45          | 0.004835        | ±2.5        | PASS    |
| Band38 | 10MHz     | 16QAM      | 37800   | 50RB#0           | VH            | NT               | 10.45          | 0.004058        | ±2.5        | PASS    |
| Band38 | 10MHz     | 16QAM      | 38000   | 50RB#0           | VL            | NT               | -12.13         | -0.004674       | ±2.5        | PASS    |
| Band38 | 10MHz     | 16QAM      | 38000   | 50RB#0           | VN            | NT               | 4.57           | 0.001761        | ±2.5        | PASS    |
| Band38 | 10MHz     | 16QAM      | 38000   | 50RB#0           | VH            | NT               | -3.11          | -0.001198       | ±2.5        | PASS    |
| Band38 | 10MHz     | 16QAM      | 38200   | 50RB#0           | VL            | NT               | 8.13           | 0.003109        | ±2.5        | PASS    |
| Band38 | 10MHz     | 16QAM      | 38200   | 50RB#0           | VN            | NT               | 5.27           | 0.002015        | ±2.5        | PASS    |
| Band38 | 10MHz     | 16QAM      | 38200   | 50RB#0           | VH            | NT               | 9.43           | 0.003606        | ±2.5        | PASS    |
| Band38 | 15MHz     | QPSK       | 37825   | 75RB#0           | VL            | NT               | 12.29          | 0.004768        | ±2.5        | PASS    |

Total Quality. Assured.

|        |       |       |       |         |    |    |        |           |      |      |
|--------|-------|-------|-------|---------|----|----|--------|-----------|------|------|
| Band38 | 15MHz | QPSK  | 37825 | 75RB#0  | VN | NT | 11.29  | 0.004380  | ±2.5 | PASS |
| Band38 | 15MHz | QPSK  | 37825 | 75RB#0  | VH | NT | 5.22   | 0.002025  | ±2.5 | PASS |
| Band38 | 15MHz | QPSK  | 38000 | 75RB#0  | VL | NT | -9.79  | -0.003773 | ±2.5 | PASS |
| Band38 | 15MHz | QPSK  | 38000 | 75RB#0  | VN | NT | -7.00  | -0.002697 | ±2.5 | PASS |
| Band38 | 15MHz | QPSK  | 38000 | 75RB#0  | VH | NT | -10.67 | -0.004112 | ±2.5 | PASS |
| Band38 | 15MHz | QPSK  | 38175 | 75RB#0  | VL | NT | 11.27  | 0.004314  | ±2.5 | PASS |
| Band38 | 15MHz | QPSK  | 38175 | 75RB#0  | VN | NT | 15.03  | 0.005753  | ±2.5 | PASS |
| Band38 | 15MHz | QPSK  | 38175 | 75RB#0  | VH | NT | 9.02   | 0.003453  | ±2.5 | PASS |
| Band38 | 15MHz | 16QAM | 37825 | 75RB#0  | VL | NT | 9.70   | 0.003763  | ±2.5 | PASS |
| Band38 | 15MHz | 16QAM | 37825 | 75RB#0  | VN | NT | 9.83   | 0.003814  | ±2.5 | PASS |
| Band38 | 15MHz | 16QAM | 37825 | 75RB#0  | VH | NT | 8.87   | 0.003441  | ±2.5 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 75RB#0  | VL | NT | -6.17  | -0.002378 | ±2.5 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 75RB#0  | VN | NT | 7.02   | 0.002705  | ±2.5 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 75RB#0  | VH | NT | -8.06  | -0.003106 | ±2.5 | PASS |
| Band38 | 15MHz | 16QAM | 38175 | 75RB#0  | VL | NT | 15.19  | 0.005814  | ±2.5 | PASS |
| Band38 | 15MHz | 16QAM | 38175 | 75RB#0  | VN | NT | 8.81   | 0.003372  | ±2.5 | PASS |
| Band38 | 15MHz | 16QAM | 38175 | 75RB#0  | VH | NT | 12.08  | 0.004624  | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 37850 | 100RB#0 | VL | NT | -8.02  | -0.003109 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 37850 | 100RB#0 | VN | NT | 6.72   | 0.002605  | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 37850 | 100RB#0 | VH | NT | 5.52   | 0.002140  | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 38000 | 100RB#0 | VL | NT | -11.58 | -0.004462 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 38000 | 100RB#0 | VN | NT | -10.95 | -0.004220 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 38000 | 100RB#0 | VH | NT | 2.94   | 0.001133  | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 38150 | 100RB#0 | VL | NT | -8.63  | -0.003307 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 38150 | 100RB#0 | VN | NT | 9.32   | 0.003571  | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 38150 | 100RB#0 | VH | NT | 6.63   | 0.002540  | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 100RB#0 | VL | NT | -10.06 | -0.003899 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 100RB#0 | VN | NT | -6.97  | -0.002702 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 100RB#0 | VH | NT | -6.92  | -0.002682 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 100RB#0 | VL | NT | -8.02  | -0.003091 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 100RB#0 | VN | NT | -9.62  | -0.003707 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 100RB#0 | VH | NT | -4.67  | -0.001800 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 100RB#0 | VL | NT | 3.89   | 0.001490  | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 100RB#0 | VN | NT | 18.56  | 0.007111  | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 100RB#0 | VH | NT | 7.79   | 0.002985  | ±2.5 | PASS |

## Frequency Error vs. 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            | 0                | 6.60           | 0.002566        | ±2.5        | PASS    |
| Band38 | 5MHz      | QPSK       | 37775   | 25RB#0           | NV            | 10               | -5.74          | -0.002231       | ±2.5        | PASS    |
| Band38 | 5MHz      | QPSK       | 37775   | 25RB#0           | NV            | 20               | -7.61          | -0.002958       | ±2.5        | PASS    |
| Band38 | 5MHz      | QPSK       | 37775   | 25RB#0           | NV            | 30               | 7.30           | 0.002838        | ±2.5        | PASS    |
| Band38 | 5MHz      | QPSK       | 37775   | 25RB#0           | NV            | 40               | -8.51          | -0.003308       | ±2.5        | PASS    |
| Band38 | 5MHz      | QPSK       | 37775   | 25RB#0           | NV            | 50               | -7.21          | -0.002803       | ±2.5        | PASS    |
| Band38 | 5MHz      | QPSK       | 38000   | 25RB#0           | NV            | 0                | -7.50          | -0.002890       | ±2.5        | PASS    |
| Band38 | 5MHz      | QPSK       | 38000   | 25RB#0           | NV            | 10               | -8.12          | -0.003129       | ±2.5        | PASS    |
| Band38 | 5MHz      | QPSK       | 38000   | 25RB#0           | NV            | 20               | -6.68          | -0.002574       | ±2.5        | PASS    |
| Band38 | 5MHz      | QPSK       | 38000   | 25RB#0           | NV            | 30               | -2.44          | -0.000940       | ±2.5        | PASS    |
| Band38 | 5MHz      | QPSK       | 38000   | 25RB#0           | NV            | 40               | -7.48          | -0.002882       | ±2.5        | PASS    |
| Band38 | 5MHz      | QPSK       | 38000   | 25RB#0           | NV            | 50               | -6.11          | -0.002355       | ±2.5        | PASS    |
| Band38 | 5MHz      | QPSK       | 38225   | 25RB#0           | NV            | 0                | -6.78          | -0.002590       | ±2.5        | PASS    |
| Band38 | 5MHz      | QPSK       | 38225   | 25RB#0           | NV            | 10               | -9.99          | -0.003817       | ±2.5        | PASS    |
| Band38 | 5MHz      | QPSK       | 38225   | 25RB#0           | NV            | 20               | -8.39          | -0.003205       | ±2.5        | PASS    |
| Band38 | 5MHz      | QPSK       | 38225   | 25RB#0           | NV            | 30               | -5.81          | -0.002220       | ±2.5        | PASS    |
| Band38 | 5MHz      | QPSK       | 38225   | 25RB#0           | NV            | 40               | 8.32           | 0.003179        | ±2.5        | PASS    |
| Band38 | 5MHz      | QPSK       | 38225   | 25RB#0           | NV            | 50               | -5.96          | -0.002277       | ±2.5        | PASS    |
| Band38 | 5MHz      | 16QAM      | 37775   | 25RB#0           | NV            | 0                | 4.62           | 0.001796        | ±2.5        | PASS    |
| Band38 | 5MHz      | 16QAM      | 37775   | 25RB#0           | NV            | 10               | -8.25          | -0.003207       | ±2.5        | PASS    |
| Band38 | 5MHz      | 16QAM      | 37775   | 25RB#0           | NV            | 20               | 6.57           | 0.002554        | ±2.5        | PASS    |
| Band38 | 5MHz      | 16QAM      | 37775   | 25RB#0           | NV            | 30               | -7.21          | -0.002803       | ±2.5        | PASS    |
| Band38 | 5MHz      | 16QAM      | 37775   | 25RB#0           | NV            | 40               | -9.09          | -0.003534       | ±2.5        | PASS    |
| Band38 | 5MHz      | 16QAM      | 37775   | 25RB#0           | NV            | 50               | 7.30           | 0.002838        | ±2.5        | PASS    |
| Band38 | 5MHz      | 16QAM      | 38000   | 25RB#0           | NV            | 0                | -11.47         | -0.004420       | ±2.5        | PASS    |
| Band38 | 5MHz      | 16QAM      | 38000   | 25RB#0           | NV            | 10               | -13.69         | -0.005276       | ±2.5        | PASS    |
| Band38 | 5MHz      | 16QAM      | 38000   | 25RB#0           | NV            | 20               | -7.77          | -0.002994       | ±2.5        | PASS    |
| Band38 | 5MHz      | 16QAM      | 38000   | 25RB#0           | NV            | 30               | -6.11          | -0.002355       | ±2.5        | PASS    |
| Band38 | 5MHz      | 16QAM      | 38000   | 25RB#0           | NV            | 40               | -9.36          | -0.003607       | ±2.5        | PASS    |
| Band38 | 5MHz      | 16QAM      | 38000   | 25RB#0           | NV            | 50               | -2.44          | -0.000940       | ±2.5        | PASS    |
| Band38 | 5MHz      | 16QAM      | 38225   | 25RB#0           | NV            | 0                | 4.10           | 0.001566        | ±2.5        | PASS    |
| Band38 | 5MHz      | 16QAM      | 38225   | 25RB#0           | NV            | 10               | 8.24           | 0.003148        | ±2.5        | PASS    |
| Band38 | 5MHz      | 16QAM      | 38225   | 25RB#0           | NV            | 20               | 5.09           | 0.001945        | ±2.5        | PASS    |
| Band38 | 5MHz      | 16QAM      | 38225   | 25RB#0           | NV            | 30               | -5.96          | -0.002277       | ±2.5        | PASS    |
| Band38 | 5MHz      | 16QAM      | 38225   | 25RB#0           | NV            | 40               | 7.36           | 0.002812        | ±2.5        | PASS    |
| Band38 | 5MHz      | 16QAM      | 38225   | 25RB#0           | NV            | 50               | -5.81          | -0.002220       | ±2.5        | PASS    |
| Band38 | 10MHz     | QPSK       | 37800   | 50RB#0           | NV            | 0                | 8.18           | 0.003177        | ±2.5        | PASS    |
| Band38 | 10MHz     | QPSK       | 37800   | 50RB#0           | NV            | 10               | -6.20          | -0.002408       | ±2.5        | PASS    |
| Band38 | 10MHz     | QPSK       | 37800   | 50RB#0           | NV            | 20               | 6.86           | 0.002664        | ±2.5        | PASS    |
| Band38 | 10MHz     | QPSK       | 37800   | 50RB#0           | NV            | 30               | 6.74           | 0.002617        | ±2.5        | PASS    |
| Band38 | 10MHz     | QPSK       | 37800   | 50RB#0           | NV            | 40               | 4.42           | 0.001717        | ±2.5        | PASS    |

Total Quality. Assured.

|        |       |       |       |        |    |    |        |           |      |      |
|--------|-------|-------|-------|--------|----|----|--------|-----------|------|------|
| Band38 | 10MHz | QPSK  | 37800 | 50RB#0 | NV | 50 | -5.73  | -0.002225 | ±2.5 | PASS |
| Band38 | 10MHz | QPSK  | 38000 | 50RB#0 | NV | 0  | -5.70  | -0.002197 | ±2.5 | PASS |
| Band38 | 10MHz | QPSK  | 38000 | 50RB#0 | NV | 10 | -10.86 | -0.004185 | ±2.5 | PASS |
| Band38 | 10MHz | QPSK  | 38000 | 50RB#0 | NV | 20 | 3.75   | 0.001445  | ±2.5 | PASS |
| Band38 | 10MHz | QPSK  | 38000 | 50RB#0 | NV | 30 | -6.57  | -0.002532 | ±2.5 | PASS |
| Band38 | 10MHz | QPSK  | 38000 | 50RB#0 | NV | 40 | -7.53  | -0.002902 | ±2.5 | PASS |
| Band38 | 10MHz | QPSK  | 38000 | 50RB#0 | NV | 50 | -9.24  | -0.003561 | ±2.5 | PASS |
| Band38 | 10MHz | QPSK  | 38200 | 50RB#0 | NV | 0  | 9.49   | 0.003629  | ±2.5 | PASS |
| Band38 | 10MHz | QPSK  | 38200 | 50RB#0 | NV | 10 | 6.94   | 0.002654  | ±2.5 | PASS |
| Band38 | 10MHz | QPSK  | 38200 | 50RB#0 | NV | 20 | -3.57  | -0.001365 | ±2.5 | PASS |
| Band38 | 10MHz | QPSK  | 38200 | 50RB#0 | NV | 30 | 5.04   | 0.001927  | ±2.5 | PASS |
| Band38 | 10MHz | QPSK  | 38200 | 50RB#0 | NV | 40 | 7.13   | 0.002727  | ±2.5 | PASS |
| Band38 | 10MHz | QPSK  | 38200 | 50RB#0 | NV | 50 | 6.30   | 0.002409  | ±2.5 | PASS |
| Band38 | 10MHz | 16QAM | 37800 | 50RB#0 | NV | 0  | 15.96  | 0.006198  | ±2.5 | PASS |
| Band38 | 10MHz | 16QAM | 37800 | 50RB#0 | NV | 10 | 8.97   | 0.003483  | ±2.5 | PASS |
| Band38 | 10MHz | 16QAM | 37800 | 50RB#0 | NV | 20 | 15.81  | 0.006140  | ±2.5 | PASS |
| Band38 | 10MHz | 16QAM | 37800 | 50RB#0 | NV | 30 | -5.73  | -0.002225 | ±2.5 | PASS |
| Band38 | 10MHz | 16QAM | 37800 | 50RB#0 | NV | 40 | 5.77   | 0.002241  | ±2.5 | PASS |
| Band38 | 10MHz | 16QAM | 37800 | 50RB#0 | NV | 50 | 6.74   | 0.002617  | ±2.5 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 50RB#0 | NV | 0  | -10.19 | -0.003927 | ±2.5 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 50RB#0 | NV | 10 | -4.70  | -0.001811 | ±2.5 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 50RB#0 | NV | 20 | -8.21  | -0.003164 | ±2.5 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 50RB#0 | NV | 30 | -9.24  | -0.003561 | ±2.5 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 50RB#0 | NV | 40 | -9.06  | -0.003491 | ±2.5 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 50RB#0 | NV | 50 | 3.75   | 0.001445  | ±2.5 | PASS |
| Band38 | 10MHz | 16QAM | 38200 | 50RB#0 | NV | 0  | 10.64  | 0.004069  | ±2.5 | PASS |
| Band38 | 10MHz | 16QAM | 38200 | 50RB#0 | NV | 10 | 6.83   | 0.002612  | ±2.5 | PASS |
| Band38 | 10MHz | 16QAM | 38200 | 50RB#0 | NV | 20 | 11.21  | 0.004287  | ±2.5 | PASS |
| Band38 | 10MHz | 16QAM | 38200 | 50RB#0 | NV | 30 | 6.30   | 0.002409  | ±2.5 | PASS |
| Band38 | 10MHz | 16QAM | 38200 | 50RB#0 | NV | 40 | 10.90  | 0.004168  | ±2.5 | PASS |
| Band38 | 10MHz | 16QAM | 38200 | 50RB#0 | NV | 50 | 5.04   | 0.001927  | ±2.5 | PASS |
| Band38 | 15MHz | QPSK  | 37825 | 75RB#0 | NV | 0  | 11.57  | 0.004489  | ±2.5 | PASS |
| Band38 | 15MHz | QPSK  | 37825 | 75RB#0 | NV | 10 | 5.87   | 0.002277  | ±2.5 | PASS |
| Band38 | 15MHz | QPSK  | 37825 | 75RB#0 | NV | 20 | 12.02  | 0.004663  | ±2.5 | PASS |
| Band38 | 15MHz | QPSK  | 37825 | 75RB#0 | NV | 30 | 9.38   | 0.003639  | ±2.5 | PASS |
| Band38 | 15MHz | QPSK  | 37825 | 75RB#0 | NV | 40 | 9.61   | 0.003728  | ±2.5 | PASS |
| Band38 | 15MHz | QPSK  | 37825 | 75RB#0 | NV | 50 | 12.70  | 0.004927  | ±2.5 | PASS |
| Band38 | 15MHz | QPSK  | 38000 | 75RB#0 | NV | 0  | -9.22  | -0.003553 | ±2.5 | PASS |
| Band38 | 15MHz | QPSK  | 38000 | 75RB#0 | NV | 10 | -8.57  | -0.003303 | ±2.5 | PASS |
| Band38 | 15MHz | QPSK  | 38000 | 75RB#0 | NV | 20 | 6.09   | 0.002347  | ±2.5 | PASS |
| Band38 | 15MHz | QPSK  | 38000 | 75RB#0 | NV | 30 | 7.65   | 0.002948  | ±2.5 | PASS |
| Band38 | 15MHz | QPSK  | 38000 | 75RB#0 | NV | 40 | -8.50  | -0.003276 | ±2.5 | PASS |
| Band38 | 15MHz | QPSK  | 38000 | 75RB#0 | NV | 50 | 6.31   | 0.002432  | ±2.5 | PASS |
| Band38 | 15MHz | QPSK  | 38175 | 75RB#0 | NV | 0  | 12.79  | 0.004896  | ±2.5 | PASS |
| Band38 | 15MHz | QPSK  | 38175 | 75RB#0 | NV | 10 | 17.12  | 0.006553  | ±2.5 | PASS |

Total Quality. Assured.

|        |       |       |       |         |    |    |        |           |      |      |
|--------|-------|-------|-------|---------|----|----|--------|-----------|------|------|
| Band38 | 15MHz | QPSK  | 38175 | 75RB#0  | NV | 20 | 8.13   | 0.003112  | ±2.5 | PASS |
| Band38 | 15MHz | QPSK  | 38175 | 75RB#0  | NV | 30 | 8.82   | 0.003376  | ±2.5 | PASS |
| Band38 | 15MHz | QPSK  | 38175 | 75RB#0  | NV | 40 | 10.34  | 0.003958  | ±2.5 | PASS |
| Band38 | 15MHz | QPSK  | 38175 | 75RB#0  | NV | 50 | 4.85   | 0.001856  | ±2.5 | PASS |
| Band38 | 15MHz | 16QAM | 37825 | 75RB#0  | NV | 0  | 10.01  | 0.003884  | ±2.5 | PASS |
| Band38 | 15MHz | 16QAM | 37825 | 75RB#0  | NV | 10 | 10.34  | 0.004012  | ±2.5 | PASS |
| Band38 | 15MHz | 16QAM | 37825 | 75RB#0  | NV | 20 | 6.91   | 0.002681  | ±2.5 | PASS |
| Band38 | 15MHz | 16QAM | 37825 | 75RB#0  | NV | 30 | 12.70  | 0.004927  | ±2.5 | PASS |
| Band38 | 15MHz | 16QAM | 37825 | 75RB#0  | NV | 40 | 7.35   | 0.002852  | ±2.5 | PASS |
| Band38 | 15MHz | 16QAM | 37825 | 75RB#0  | NV | 50 | 9.38   | 0.003639  | ±2.5 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 75RB#0  | NV | 0  | -4.60  | -0.001773 | ±2.5 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 75RB#0  | NV | 10 | -7.38  | -0.002844 | ±2.5 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 75RB#0  | NV | 20 | -5.95  | -0.002293 | ±2.5 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 75RB#0  | NV | 30 | 6.31   | 0.002432  | ±2.5 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 75RB#0  | NV | 40 | 6.58   | 0.002536  | ±2.5 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 75RB#0  | NV | 50 | -8.57  | -0.003303 | ±2.5 | PASS |
| Band38 | 15MHz | 16QAM | 38175 | 75RB#0  | NV | 0  | 15.55  | 0.005952  | ±2.5 | PASS |
| Band38 | 15MHz | 16QAM | 38175 | 75RB#0  | NV | 10 | 10.45  | 0.004000  | ±2.5 | PASS |
| Band38 | 15MHz | 16QAM | 38175 | 75RB#0  | NV | 20 | 4.85   | 0.001856  | ±2.5 | PASS |
| Band38 | 15MHz | 16QAM | 38175 | 75RB#0  | NV | 30 | 9.96   | 0.003812  | ±2.5 | PASS |
| Band38 | 15MHz | 16QAM | 38175 | 75RB#0  | NV | 40 | 12.60  | 0.004823  | ±2.5 | PASS |
| Band38 | 15MHz | 16QAM | 38175 | 75RB#0  | NV | 50 | 8.82   | 0.003376  | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 37850 | 100RB#0 | NV | 0  | -10.00 | -0.003876 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 37850 | 100RB#0 | NV | 10 | -6.14  | -0.002380 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 37850 | 100RB#0 | NV | 20 | -9.53  | -0.003694 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 37850 | 100RB#0 | NV | 30 | -5.46  | -0.002116 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 37850 | 100RB#0 | NV | 40 | -10.51 | -0.004074 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 37850 | 100RB#0 | NV | 50 | -5.25  | -0.002035 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 38000 | 100RB#0 | NV | 0  | -6.29  | -0.002424 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 38000 | 100RB#0 | NV | 10 | -8.56  | -0.003299 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 38000 | 100RB#0 | NV | 20 | -7.64  | -0.002944 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 38000 | 100RB#0 | NV | 30 | -9.80  | -0.003776 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 38000 | 100RB#0 | NV | 40 | -8.78  | -0.003383 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 38000 | 100RB#0 | NV | 50 | -8.52  | -0.003283 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 38150 | 100RB#0 | NV | 0  | -6.63  | -0.002540 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 38150 | 100RB#0 | NV | 10 | -5.09  | -0.001950 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 38150 | 100RB#0 | NV | 20 | 9.03   | 0.003460  | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 38150 | 100RB#0 | NV | 30 | -8.96  | -0.003433 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 38150 | 100RB#0 | NV | 40 | 4.26   | 0.001632  | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 38150 | 100RB#0 | NV | 50 | 6.28   | 0.002406  | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 100RB#0 | NV | 0  | -8.55  | -0.003314 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 100RB#0 | NV | 10 | -5.25  | -0.002035 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 100RB#0 | NV | 20 | -7.04  | -0.002729 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 100RB#0 | NV | 30 | -8.31  | -0.003221 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 100RB#0 | NV | 40 | 5.68   | 0.002202  | ±2.5 | PASS |

Total Quality. Assured.

|        |       |       |       |         |    |    |       |           |      |      |
|--------|-------|-------|-------|---------|----|----|-------|-----------|------|------|
| Band38 | 20MHz | 16QAM | 37850 | 100RB#0 | NV | 50 | -6.14 | -0.002380 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 100RB#0 | NV | 0  | -7.12 | -0.002744 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 100RB#0 | NV | 10 | -8.52 | -0.003283 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 100RB#0 | NV | 20 | 9.70  | 0.003738  | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 100RB#0 | NV | 30 | 8.12  | 0.003129  | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 100RB#0 | NV | 40 | -4.93 | -0.001900 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 100RB#0 | NV | 50 | -8.56 | -0.003299 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 100RB#0 | NV | 0  | 7.10  | 0.002720  | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 100RB#0 | NV | 10 | 6.28  | 0.002406  | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 100RB#0 | NV | 20 | 9.56  | 0.003663  | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 100RB#0 | NV | 30 | 9.33  | 0.003575  | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 100RB#0 | NV | 40 | 8.02  | 0.003073  | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 100RB#0 | NV | 50 | 9.03  | 0.003460  | ±2.5 | PASS |

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END