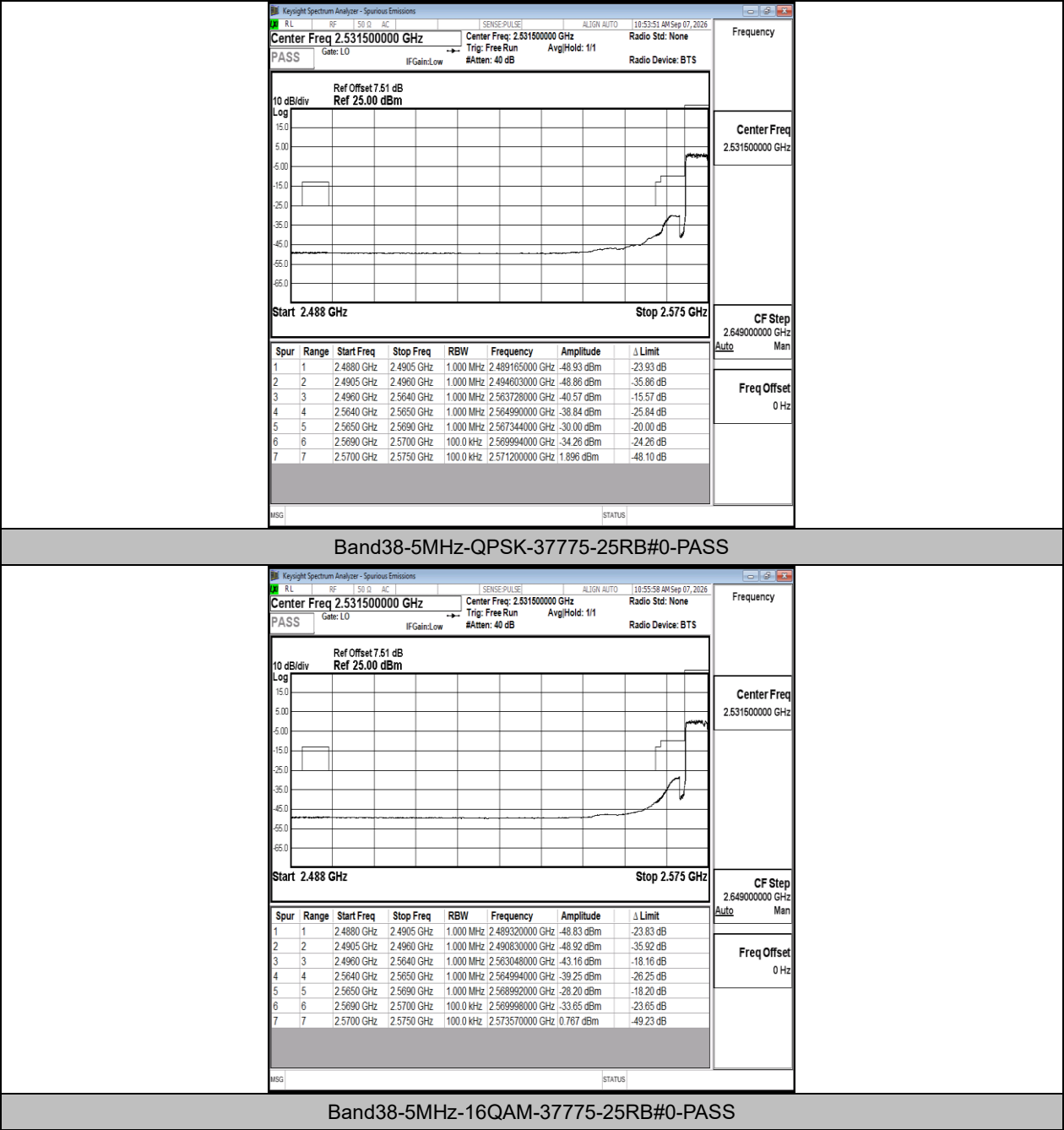


## Q.4 Band Edge

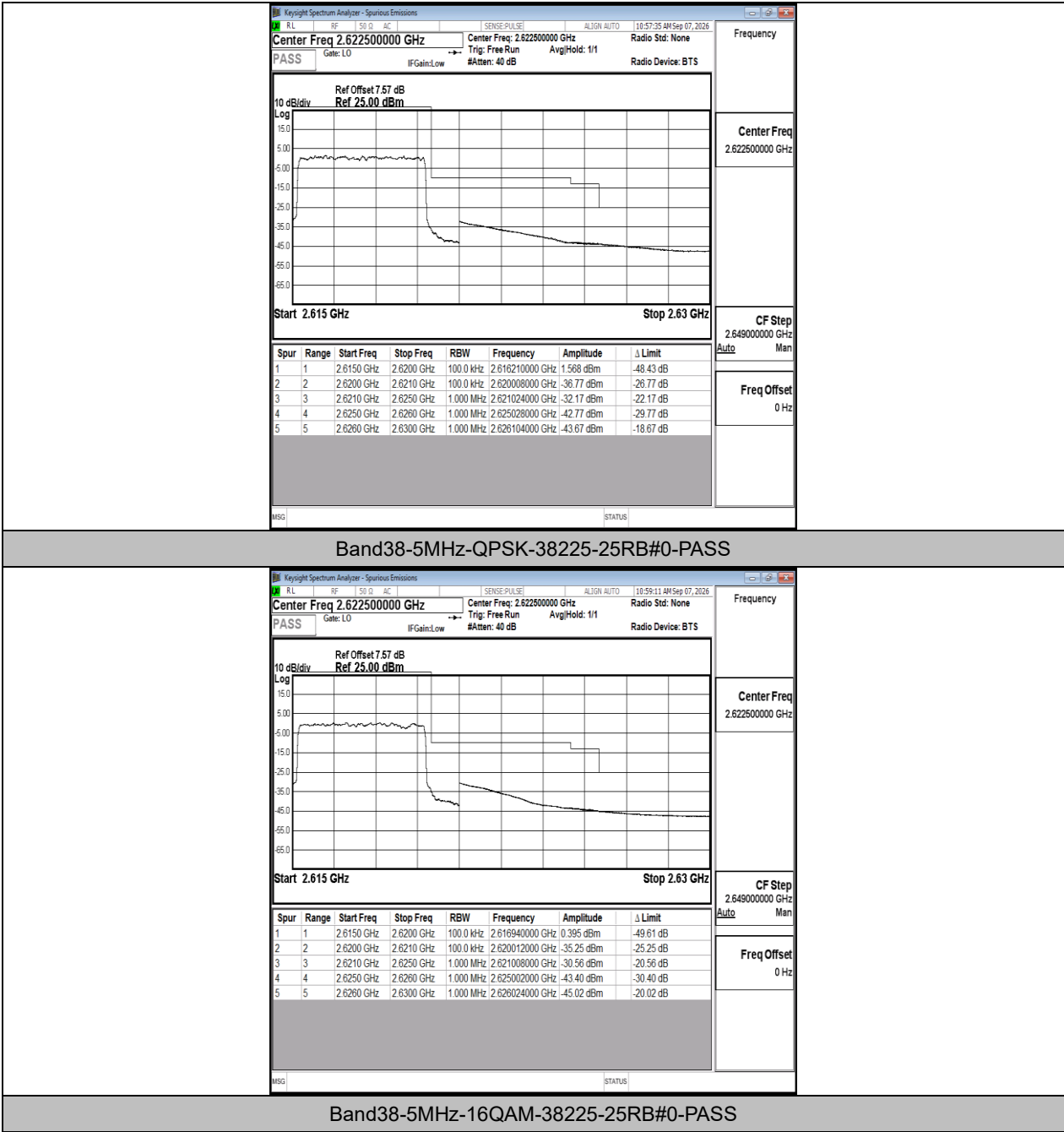
### Test Result

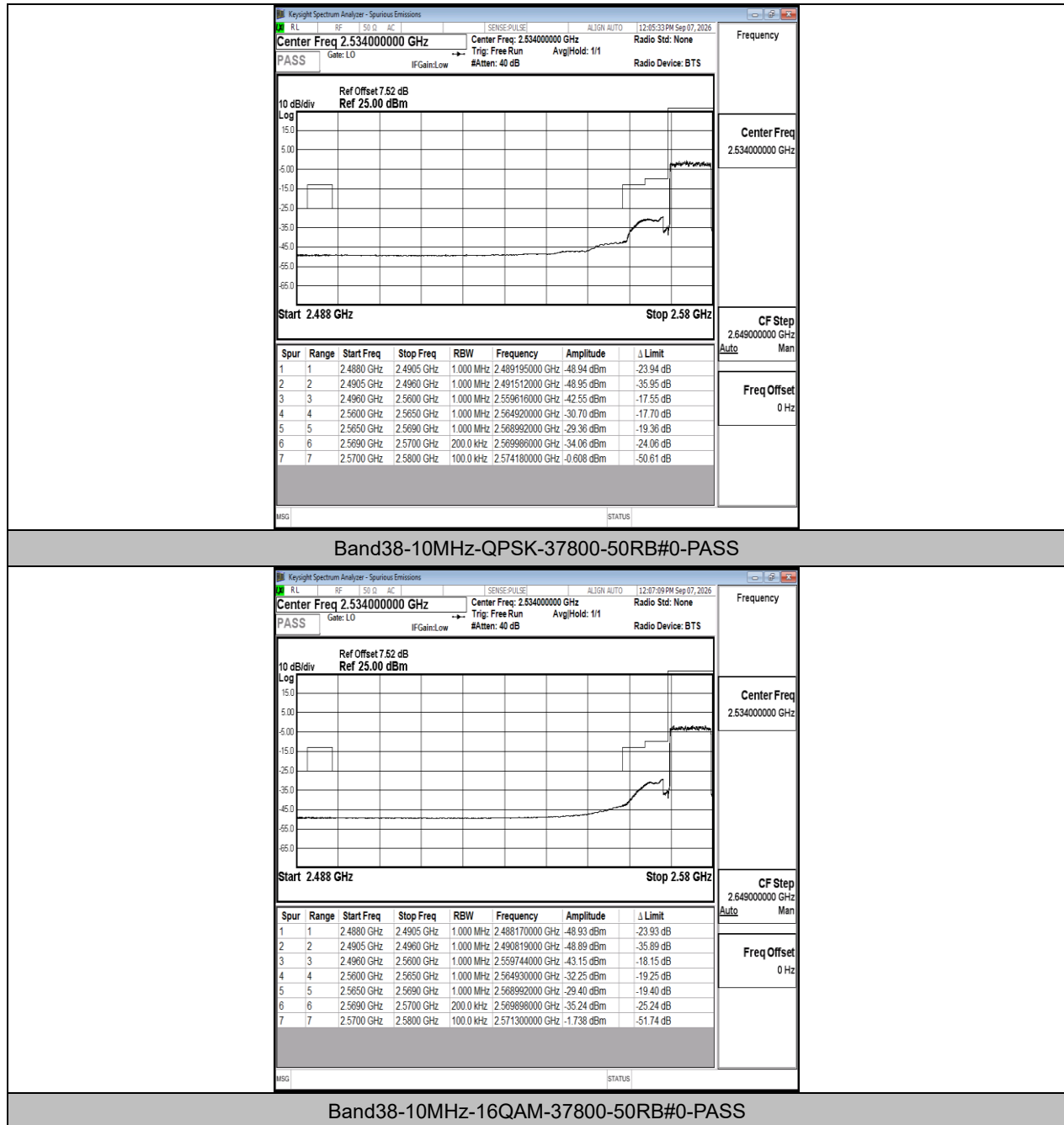
| Band   | Bandwidth | Modulation | Channel | RB Configuration | Result(dBm) | Margin (dB) | Verdict |
|--------|-----------|------------|---------|------------------|-------------|-------------|---------|
| Band38 | 5MHz      | QPSK       | 37775   | 25RB#0           | -40.57      | 15.57       | PASS    |
| Band38 | 5MHz      | 16QAM      | 37775   | 25RB#0           | -43.16      | 18.16       | PASS    |
| Band38 | 5MHz      | QPSK       | 38225   | 25RB#0           | -43.67      | 18.67       | PASS    |
| Band38 | 5MHz      | 16QAM      | 38225   | 25RB#0           | -45.02      | 20.02       | PASS    |
| Band38 | 10MHz     | QPSK       | 37800   | 50RB#0           | -42.55      | 17.55       | PASS    |
| Band38 | 10MHz     | 16QAM      | 37800   | 50RB#0           | -43.15      | 18.15       | PASS    |
| Band38 | 10MHz     | QPSK       | 38200   | 50RB#0           | -44.87      | 19.87       | PASS    |
| Band38 | 10MHz     | 16QAM      | 38200   | 50RB#0           | -44.34      | 19.34       | PASS    |
| Band38 | 15MHz     | QPSK       | 37825   | 75RB#0           | -29.89      | 16.89       | PASS    |
| Band38 | 15MHz     | 16QAM      | 37825   | 75RB#0           | -43.17      | 18.17       | PASS    |
| Band38 | 15MHz     | QPSK       | 38175   | 75RB#0           | -44.37      | 19.37       | PASS    |
| Band38 | 15MHz     | 16QAM      | 38175   | 75RB#0           | -44.15      | 19.15       | PASS    |
| Band38 | 20MHz     | QPSK       | 37850   | 100RB#0          | -32.35      | 19.35       | PASS    |
| Band38 | 20MHz     | 16QAM      | 37850   | 100RB#0          | -33.45      | 20.45       | PASS    |
| Band38 | 20MHz     | QPSK       | 38150   | 100RB#0          | -45.72      | 20.72       | PASS    |
| Band38 | 20MHz     | 16QAM      | 38150   | 100RB#0          | -45.57      | 20.57       | PASS    |

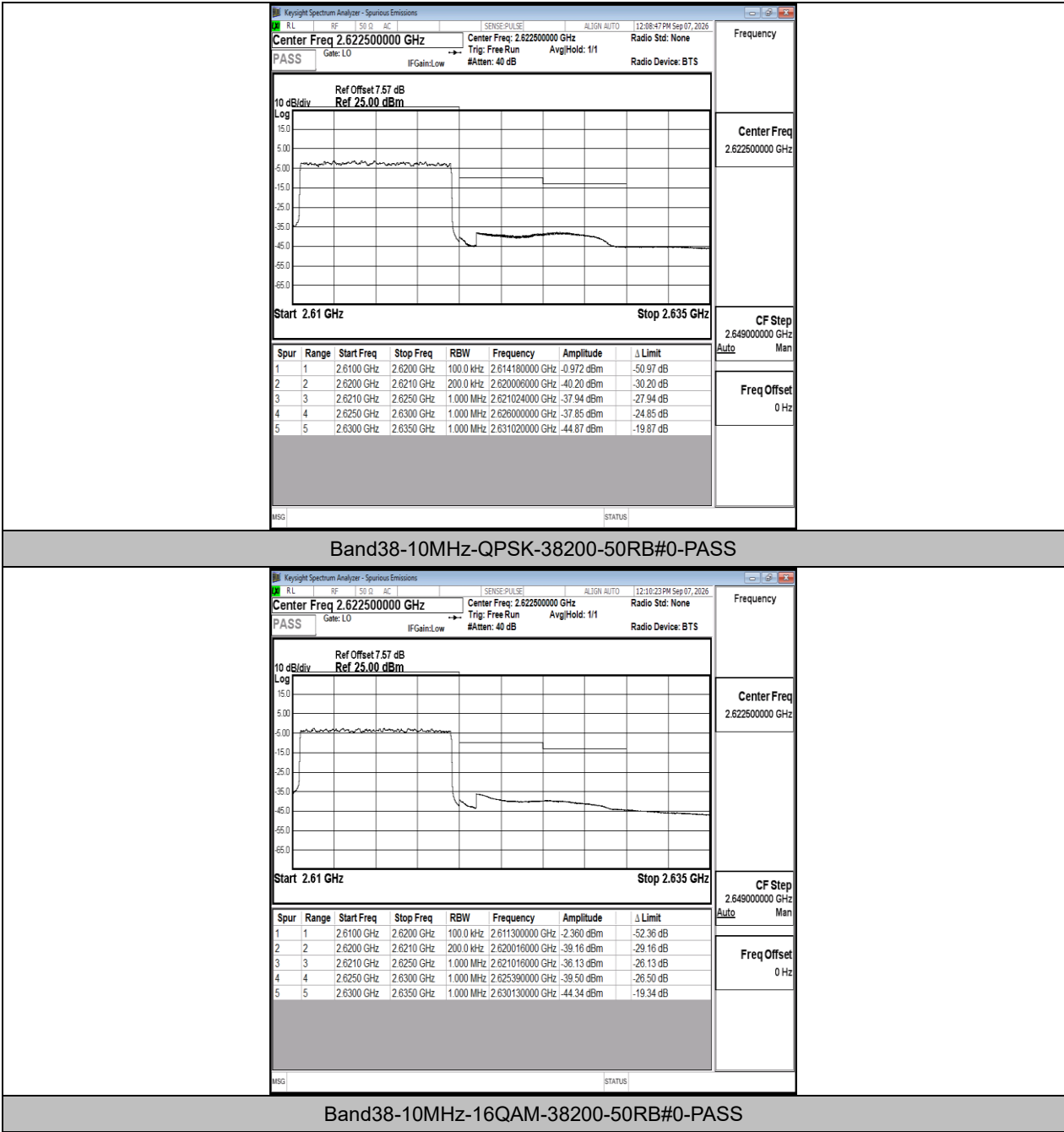
Test Graphs

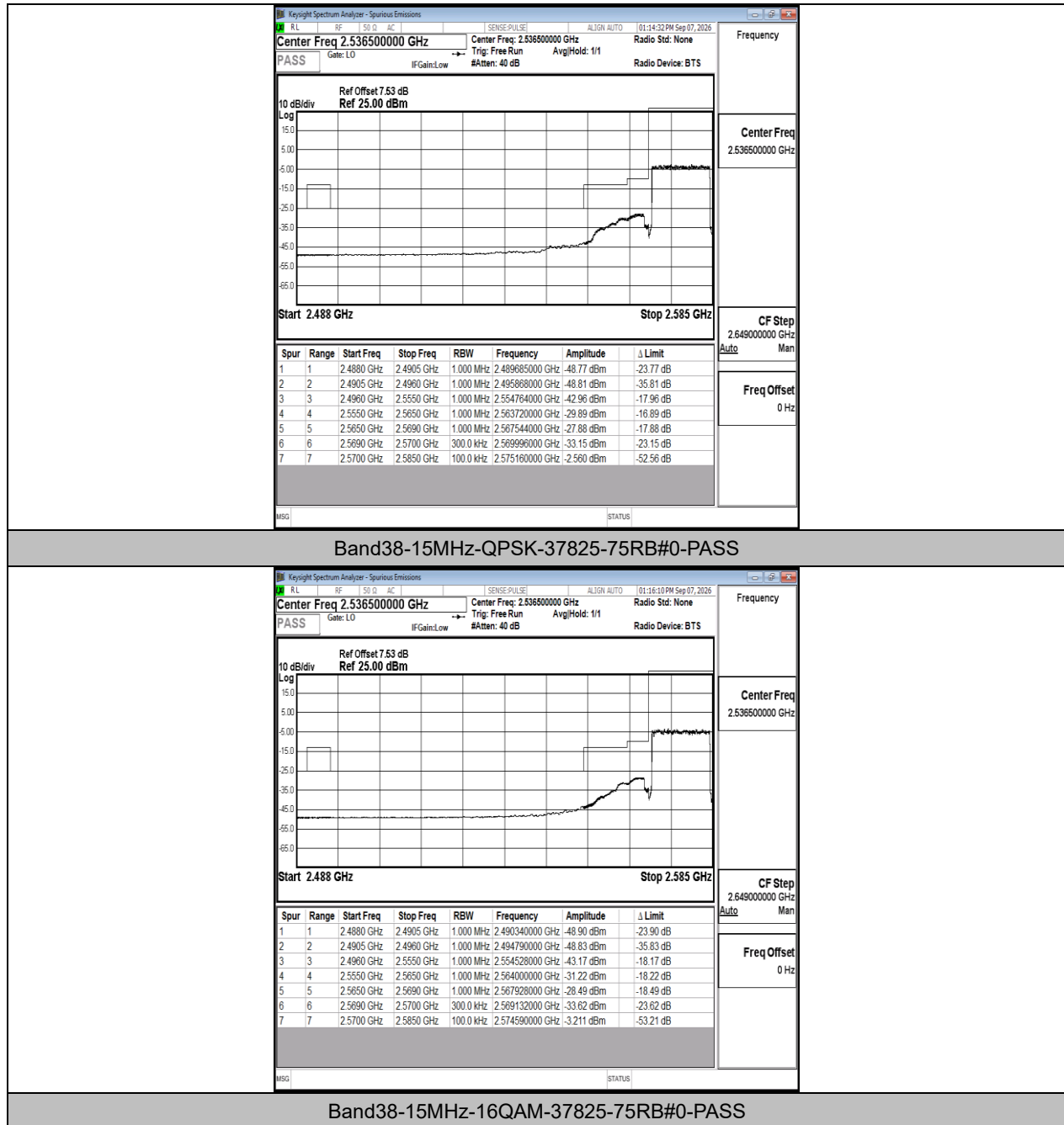


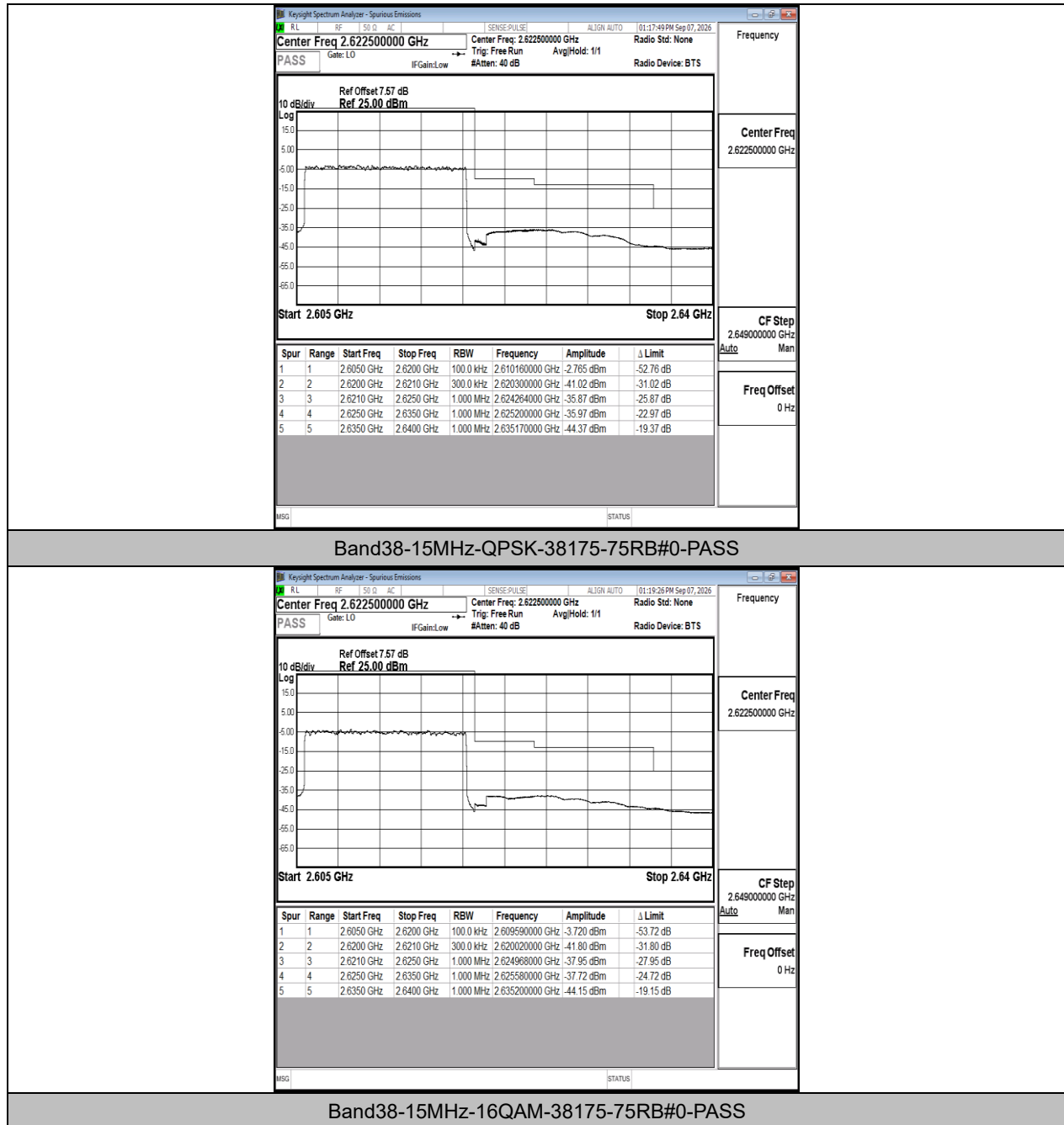
Band38-5MHz-16QAM-37775-25RB#0-PASS

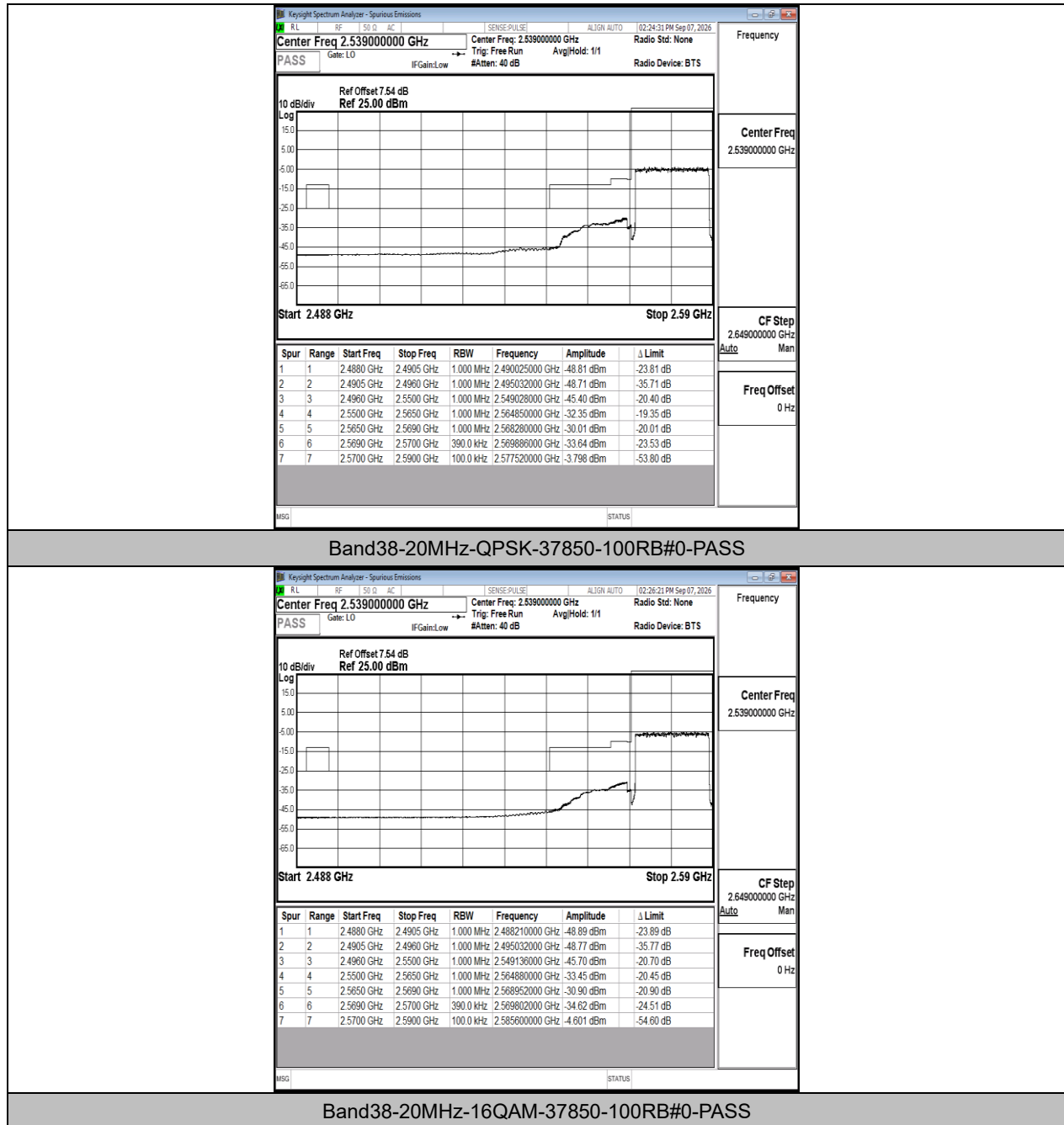


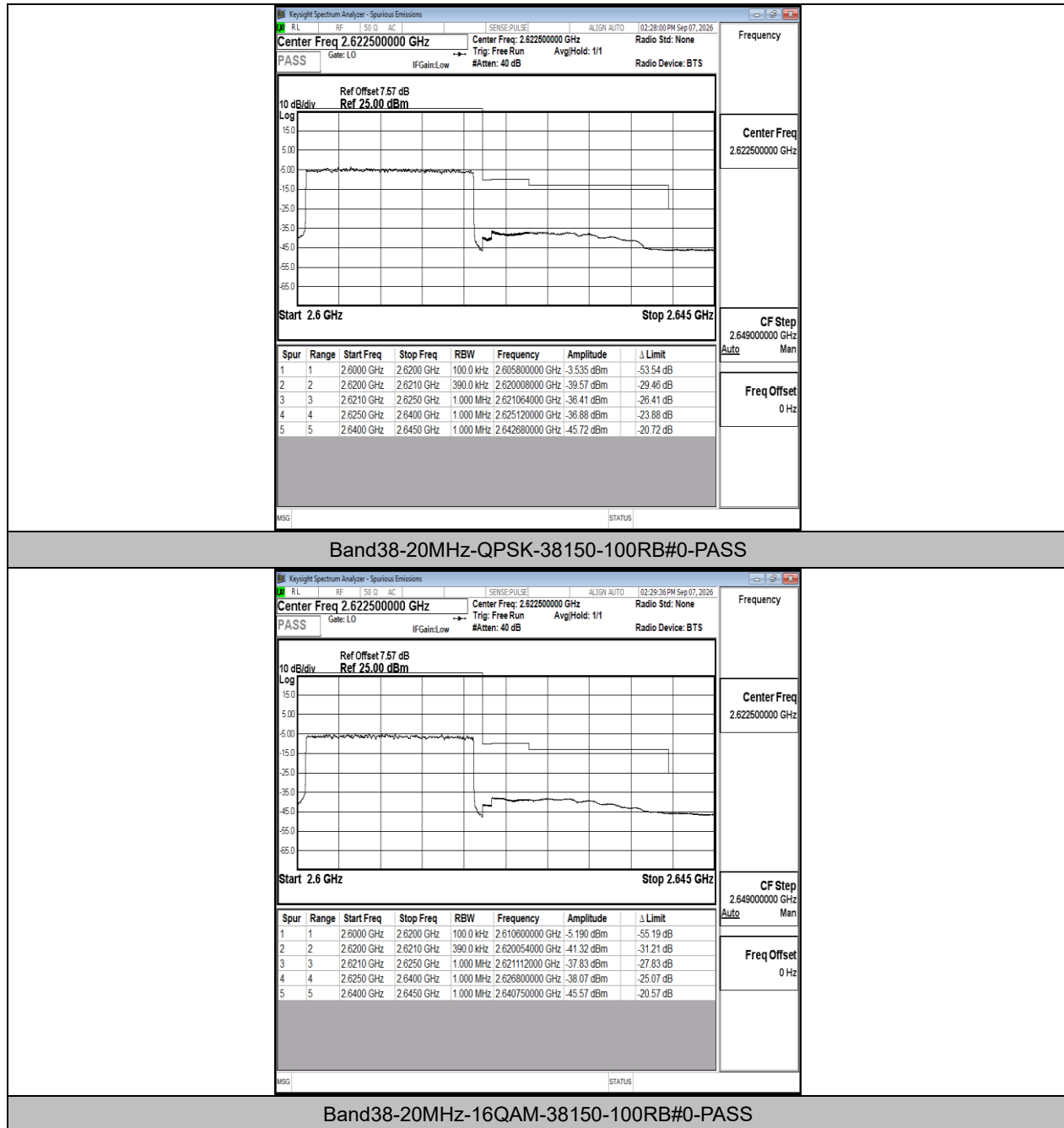












## Q.5 Conducted Spurious Emission

### Test Result

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Frequency Range | Result (dBm) | Limit (dBm) | Verdict |
|--------|-----------|------------|---------|------------------|-----------------|--------------|-------------|---------|
| Band38 | 5MHz      | QPSK       | 37775   | 1RB#0            | 0.009~0.15      | -75.68       | -55.0       | PASS    |
| Band38 | 5MHz      | QPSK       | 37775   | 1RB#0            | 0.15~30         | -70.84       | -45.0       | PASS    |
| Band38 | 5MHz      | QPSK       | 37775   | 1RB#0            | 30~1000         | -61.77       | -35.0       | PASS    |
| Band38 | 5MHz      | QPSK       | 37775   | 1RB#0            | 1000~3000       | -45.67       | -25.0       | PASS    |
| Band38 | 5MHz      | QPSK       | 37775   | 1RB#0            | 3000~18000      | -31.31       | -25.0       | PASS    |
| Band38 | 5MHz      | QPSK       | 37775   | 1RB#0            | 18000~27000     | -57.05       | -25.0       | PASS    |
| Band38 | 5MHz      | 16QAM      | 37775   | 1RB#0            | 0.009~0.15      | -78.52       | -55.0       | PASS    |
| Band38 | 5MHz      | 16QAM      | 37775   | 1RB#0            | 0.15~30         | -71.14       | -45.0       | PASS    |
| Band38 | 5MHz      | 16QAM      | 37775   | 1RB#0            | 30~1000         | -61.89       | -35.0       | PASS    |
| Band38 | 5MHz      | 16QAM      | 37775   | 1RB#0            | 1000~3000       | -46.49       | -25.0       | PASS    |
| Band38 | 5MHz      | 16QAM      | 37775   | 1RB#0            | 3000~18000      | -30.99       | -25.0       | PASS    |
| Band38 | 5MHz      | 16QAM      | 37775   | 1RB#0            | 18000~27000     | -57.18       | -25.0       | PASS    |
| Band38 | 5MHz      | QPSK       | 38000   | 1RB#0            | 0.009~0.15      | -77.40       | -55.0       | PASS    |
| Band38 | 5MHz      | QPSK       | 38000   | 1RB#0            | 0.15~30         | -72.82       | -45.0       | PASS    |
| Band38 | 5MHz      | QPSK       | 38000   | 1RB#0            | 30~1000         | -61.80       | -35.0       | PASS    |
| Band38 | 5MHz      | QPSK       | 38000   | 1RB#0            | 1000~3000       | -50.18       | -25.0       | PASS    |
| Band38 | 5MHz      | QPSK       | 38000   | 1RB#0            | 3000~18000      | -30.93       | -25.0       | PASS    |
| Band38 | 5MHz      | QPSK       | 38000   | 1RB#0            | 18000~27000     | -57.31       | -25.0       | PASS    |
| Band38 | 5MHz      | 16QAM      | 38000   | 1RB#0            | 0.009~0.15      | -78.79       | -55.0       | PASS    |
| Band38 | 5MHz      | 16QAM      | 38000   | 1RB#0            | 0.15~30         | -70.97       | -45.0       | PASS    |
| Band38 | 5MHz      | 16QAM      | 38000   | 1RB#0            | 30~1000         | -61.53       | -35.0       | PASS    |
| Band38 | 5MHz      | 16QAM      | 38000   | 1RB#0            | 1000~3000       | -50.29       | -25.0       | PASS    |
| Band38 | 5MHz      | 16QAM      | 38000   | 1RB#0            | 3000~18000      | -31.07       | -25.0       | PASS    |
| Band38 | 5MHz      | 16QAM      | 38000   | 1RB#0            | 18000~27000     | -57.31       | -25.0       | PASS    |
| Band38 | 5MHz      | QPSK       | 38225   | 1RB#0            | 0.009~0.15      | -77.22       | -55.0       | PASS    |
| Band38 | 5MHz      | QPSK       | 38225   | 1RB#0            | 0.15~30         | -71.93       | -45.0       | PASS    |
| Band38 | 5MHz      | QPSK       | 38225   | 1RB#0            | 30~1000         | -61.64       | -35.0       | PASS    |
| Band38 | 5MHz      | QPSK       | 38225   | 1RB#0            | 1000~3000       | -45.47       | -25.0       | PASS    |
| Band38 | 5MHz      | QPSK       | 38225   | 1RB#0            | 3000~18000      | -30.56       | -25.0       | PASS    |
| Band38 | 5MHz      | QPSK       | 38225   | 1RB#0            | 18000~27000     | -57.34       | -25.0       | PASS    |
| Band38 | 5MHz      | 16QAM      | 38225   | 1RB#0            | 0.009~0.15      | -78.06       | -55.0       | PASS    |
| Band38 | 5MHz      | 16QAM      | 38225   | 1RB#0            | 0.15~30         | -70.25       | -45.0       | PASS    |
| Band38 | 5MHz      | 16QAM      | 38225   | 1RB#0            | 30~1000         | -61.41       | -35.0       | PASS    |
| Band38 | 5MHz      | 16QAM      | 38225   | 1RB#0            | 1000~3000       | -45.21       | -25.0       | PASS    |
| Band38 | 5MHz      | 16QAM      | 38225   | 1RB#0            | 3000~18000      | -31.03       | -25.0       | PASS    |
| Band38 | 5MHz      | 16QAM      | 38225   | 1RB#0            | 18000~27000     | -57.38       | -25.0       | PASS    |
| Band38 | 10MHz     | QPSK       | 37800   | 1RB#0            | 0.009~0.15      | -79.34       | -55.0       | PASS    |

|        |       |       |       |       |             |        |       |      |
|--------|-------|-------|-------|-------|-------------|--------|-------|------|
| Band38 | 10MHz | QPSK  | 37800 | 1RB#0 | 0.15~30     | -70.29 | -45.0 | PASS |
| Band38 | 10MHz | QPSK  | 37800 | 1RB#0 | 30~1000     | -61.37 | -35.0 | PASS |
| Band38 | 10MHz | QPSK  | 37800 | 1RB#0 | 1000~3000   | -45.41 | -25.0 | PASS |
| Band38 | 10MHz | QPSK  | 37800 | 1RB#0 | 3000~18000  | -31.11 | -25.0 | PASS |
| Band38 | 10MHz | QPSK  | 37800 | 1RB#0 | 18000~27000 | -57.54 | -25.0 | PASS |
| Band38 | 10MHz | 16QAM | 37800 | 1RB#0 | 0.009~0.15  | -77.43 | -55.0 | PASS |
| Band38 | 10MHz | 16QAM | 37800 | 1RB#0 | 0.15~30     | -71.36 | -45.0 | PASS |
| Band38 | 10MHz | 16QAM | 37800 | 1RB#0 | 30~1000     | -61.70 | -35.0 | PASS |
| Band38 | 10MHz | 16QAM | 37800 | 1RB#0 | 1000~3000   | -45.98 | -25.0 | PASS |
| Band38 | 10MHz | 16QAM | 37800 | 1RB#0 | 3000~18000  | -30.86 | -25.0 | PASS |
| Band38 | 10MHz | 16QAM | 37800 | 1RB#0 | 18000~27000 | -57.39 | -25.0 | PASS |
| Band38 | 10MHz | QPSK  | 38000 | 1RB#0 | 0.009~0.15  | -78.99 | -55.0 | PASS |
| Band38 | 10MHz | QPSK  | 38000 | 1RB#0 | 0.15~30     | -70.93 | -45.0 | PASS |
| Band38 | 10MHz | QPSK  | 38000 | 1RB#0 | 30~1000     | -61.78 | -35.0 | PASS |
| Band38 | 10MHz | QPSK  | 38000 | 1RB#0 | 1000~3000   | -50.10 | -25.0 | PASS |
| Band38 | 10MHz | QPSK  | 38000 | 1RB#0 | 3000~18000  | -31.19 | -25.0 | PASS |
| Band38 | 10MHz | QPSK  | 38000 | 1RB#0 | 18000~27000 | -57.12 | -25.0 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 1RB#0 | 0.009~0.15  | -77.54 | -55.0 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 1RB#0 | 0.15~30     | -73.19 | -45.0 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 1RB#0 | 30~1000     | -61.15 | -35.0 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 1RB#0 | 1000~3000   | -50.17 | -25.0 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 1RB#0 | 3000~18000  | -31.38 | -25.0 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 1RB#0 | 18000~27000 | -57.38 | -25.0 | PASS |
| Band38 | 10MHz | QPSK  | 38200 | 1RB#0 | 0.009~0.15  | -78.48 | -55.0 | PASS |
| Band38 | 10MHz | QPSK  | 38200 | 1RB#0 | 0.15~30     | -72.73 | -45.0 | PASS |
| Band38 | 10MHz | QPSK  | 38200 | 1RB#0 | 30~1000     | -61.59 | -35.0 | PASS |
| Band38 | 10MHz | QPSK  | 38200 | 1RB#0 | 1000~3000   | -50.19 | -25.0 | PASS |
| Band38 | 10MHz | QPSK  | 38200 | 1RB#0 | 3000~18000  | -30.40 | -25.0 | PASS |
| Band38 | 10MHz | QPSK  | 38200 | 1RB#0 | 18000~27000 | -57.32 | -25.0 | PASS |
| Band38 | 10MHz | 16QAM | 38200 | 1RB#0 | 0.009~0.15  | -77.17 | -55.0 | PASS |
| Band38 | 10MHz | 16QAM | 38200 | 1RB#0 | 0.15~30     | -72.47 | -45.0 | PASS |
| Band38 | 10MHz | 16QAM | 38200 | 1RB#0 | 30~1000     | -61.44 | -35.0 | PASS |
| Band38 | 10MHz | 16QAM | 38200 | 1RB#0 | 1000~3000   | -50.18 | -25.0 | PASS |
| Band38 | 10MHz | 16QAM | 38200 | 1RB#0 | 3000~18000  | -31.10 | -25.0 | PASS |
| Band38 | 10MHz | 16QAM | 38200 | 1RB#0 | 18000~27000 | -57.25 | -25.0 | PASS |
| Band38 | 15MHz | QPSK  | 37825 | 1RB#0 | 0.009~0.15  | -79.35 | -55.0 | PASS |
| Band38 | 15MHz | QPSK  | 37825 | 1RB#0 | 0.15~30     | -70.60 | -45.0 | PASS |
| Band38 | 15MHz | QPSK  | 37825 | 1RB#0 | 30~1000     | -62.14 | -35.0 | PASS |
| Band38 | 15MHz | QPSK  | 37825 | 1RB#0 | 1000~3000   | -48.81 | -25.0 | PASS |
| Band38 | 15MHz | QPSK  | 37825 | 1RB#0 | 3000~18000  | -31.14 | -25.0 | PASS |
| Band38 | 15MHz | QPSK  | 37825 | 1RB#0 | 18000~27000 | -57.53 | -25.0 | PASS |
| Band38 | 15MHz | 16QAM | 37825 | 1RB#0 | 0.009~0.15  | -77.80 | -55.0 | PASS |
| Band38 | 15MHz | 16QAM | 37825 | 1RB#0 | 0.15~30     | -73.70 | -45.0 | PASS |

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|        |       |       |       |       |             |        |       |      |
|--------|-------|-------|-------|-------|-------------|--------|-------|------|
| Band38 | 15MHz | 16QAM | 37825 | 1RB#0 | 30~1000     | -61.45 | -35.0 | PASS |
| Band38 | 15MHz | 16QAM | 37825 | 1RB#0 | 1000~3000   | -49.16 | -25.0 | PASS |
| Band38 | 15MHz | 16QAM | 37825 | 1RB#0 | 3000~18000  | -31.05 | -25.0 | PASS |
| Band38 | 15MHz | 16QAM | 37825 | 1RB#0 | 18000~27000 | -57.25 | -25.0 | PASS |
| Band38 | 15MHz | QPSK  | 38000 | 1RB#0 | 0.009~0.15  | -78.85 | -55.0 | PASS |
| Band38 | 15MHz | QPSK  | 38000 | 1RB#0 | 0.15~30     | -71.27 | -45.0 | PASS |
| Band38 | 15MHz | QPSK  | 38000 | 1RB#0 | 30~1000     | -61.79 | -35.0 | PASS |
| Band38 | 15MHz | QPSK  | 38000 | 1RB#0 | 1000~3000   | -49.37 | -25.0 | PASS |
| Band38 | 15MHz | QPSK  | 38000 | 1RB#0 | 3000~18000  | -30.99 | -25.0 | PASS |
| Band38 | 15MHz | QPSK  | 38000 | 1RB#0 | 18000~27000 | -57.43 | -25.0 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 1RB#0 | 0.009~0.15  | -77.82 | -55.0 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 1RB#0 | 0.15~30     | -73.18 | -45.0 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 1RB#0 | 30~1000     | -61.89 | -35.0 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 1RB#0 | 1000~3000   | -49.49 | -25.0 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 1RB#0 | 3000~18000  | -30.94 | -25.0 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 1RB#0 | 18000~27000 | -57.40 | -25.0 | PASS |
| Band38 | 15MHz | QPSK  | 38175 | 1RB#0 | 0.009~0.15  | -77.61 | -55.0 | PASS |
| Band38 | 15MHz | QPSK  | 38175 | 1RB#0 | 0.15~30     | -73.24 | -45.0 | PASS |
| Band38 | 15MHz | QPSK  | 38175 | 1RB#0 | 30~1000     | -61.52 | -35.0 | PASS |
| Band38 | 15MHz | QPSK  | 38175 | 1RB#0 | 1000~3000   | -50.10 | -25.0 | PASS |
| Band38 | 15MHz | QPSK  | 38175 | 1RB#0 | 3000~18000  | -31.00 | -25.0 | PASS |
| Band38 | 15MHz | QPSK  | 38175 | 1RB#0 | 18000~27000 | -57.38 | -25.0 | PASS |
| Band38 | 15MHz | 16QAM | 38175 | 1RB#0 | 0.009~0.15  | -77.24 | -55.0 | PASS |
| Band38 | 15MHz | 16QAM | 38175 | 1RB#0 | 0.15~30     | -71.75 | -45.0 | PASS |
| Band38 | 15MHz | 16QAM | 38175 | 1RB#0 | 30~1000     | -61.76 | -35.0 | PASS |
| Band38 | 15MHz | 16QAM | 38175 | 1RB#0 | 1000~3000   | -50.06 | -25.0 | PASS |
| Band38 | 15MHz | 16QAM | 38175 | 1RB#0 | 3000~18000  | -31.00 | -25.0 | PASS |
| Band38 | 15MHz | 16QAM | 38175 | 1RB#0 | 18000~27000 | -57.02 | -25.0 | PASS |
| Band38 | 20MHz | QPSK  | 37850 | 1RB#0 | 0.009~0.15  | -79.66 | -55.0 | PASS |
| Band38 | 20MHz | QPSK  | 37850 | 1RB#0 | 0.15~30     | -69.15 | -45.0 | PASS |
| Band38 | 20MHz | QPSK  | 37850 | 1RB#0 | 30~1000     | -61.30 | -35.0 | PASS |
| Band38 | 20MHz | QPSK  | 37850 | 1RB#0 | 1000~3000   | -49.29 | -25.0 | PASS |
| Band38 | 20MHz | QPSK  | 37850 | 1RB#0 | 3000~18000  | -30.93 | -25.0 | PASS |
| Band38 | 20MHz | QPSK  | 37850 | 1RB#0 | 18000~27000 | -57.20 | -25.0 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 1RB#0 | 0.009~0.15  | -78.08 | -55.0 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 1RB#0 | 0.15~30     | -71.34 | -45.0 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 1RB#0 | 30~1000     | -61.55 | -35.0 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 1RB#0 | 1000~3000   | -49.93 | -25.0 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 1RB#0 | 3000~18000  | -30.50 | -25.0 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 1RB#0 | 18000~27000 | -57.16 | -25.0 | PASS |
| Band38 | 20MHz | QPSK  | 38000 | 1RB#0 | 0.009~0.15  | -78.05 | -55.0 | PASS |
| Band38 | 20MHz | QPSK  | 38000 | 1RB#0 | 0.15~30     | -71.00 | -45.0 | PASS |
| Band38 | 20MHz | QPSK  | 38000 | 1RB#0 | 30~1000     | -61.91 | -35.0 | PASS |

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|        |       |       |       |       |             |        |       |      |
|--------|-------|-------|-------|-------|-------------|--------|-------|------|
| Band38 | 20MHz | QPSK  | 38000 | 1RB#0 | 1000~3000   | -49.03 | -25.0 | PASS |
| Band38 | 20MHz | QPSK  | 38000 | 1RB#0 | 3000~18000  | -30.70 | -25.0 | PASS |
| Band38 | 20MHz | QPSK  | 38000 | 1RB#0 | 18000~27000 | -57.40 | -25.0 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 1RB#0 | 0.009~0.15  | -78.15 | -55.0 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 1RB#0 | 0.15~30     | -73.20 | -45.0 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 1RB#0 | 30~1000     | -60.91 | -35.0 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 1RB#0 | 1000~3000   | -49.43 | -25.0 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 1RB#0 | 3000~18000  | -31.25 | -25.0 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 1RB#0 | 18000~27000 | -56.65 | -25.0 | PASS |
| Band38 | 20MHz | QPSK  | 38150 | 1RB#0 | 0.009~0.15  | -78.86 | -55.0 | PASS |
| Band38 | 20MHz | QPSK  | 38150 | 1RB#0 | 0.15~30     | -73.20 | -45.0 | PASS |
| Band38 | 20MHz | QPSK  | 38150 | 1RB#0 | 30~1000     | -61.18 | -35.0 | PASS |
| Band38 | 20MHz | QPSK  | 38150 | 1RB#0 | 1000~3000   | -49.70 | -25.0 | PASS |
| Band38 | 20MHz | QPSK  | 38150 | 1RB#0 | 3000~18000  | -30.91 | -25.0 | PASS |
| Band38 | 20MHz | QPSK  | 38150 | 1RB#0 | 18000~27000 | -57.32 | -25.0 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 1RB#0 | 0.009~0.15  | -77.90 | -55.0 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 1RB#0 | 0.15~30     | -72.82 | -45.0 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 1RB#0 | 30~1000     | -62.05 | -35.0 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 1RB#0 | 1000~3000   | -50.13 | -25.0 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 1RB#0 | 3000~18000  | -31.03 | -25.0 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 1RB#0 | 18000~27000 | -57.23 | -25.0 | PASS |

Test Graphs

