

## Effective (Isotropic) Radiated Power Output Data

### Test Result

| Band  | Bandwidth | Modulation | Channel | RB Configuration | Result (dBm) | Gain (dBi) | EIRP/ERP (dBm) | Limit (dBm) | Verdict |
|-------|-----------|------------|---------|------------------|--------------|------------|----------------|-------------|---------|
| Band5 | 1.4MHz    | QPSK       | 20407   | 1RB#0            | 23.14        | 0.1        | 21.09          | 38.45       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20407   | 6RB#0            | 22.39        | 0.1        | 20.34          | 38.45       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20407   | 1RB#2            | 23.27        | 0.1        | 21.22          | 38.45       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20407   | 1RB#5            | 23.28        | 0.1        | 21.23          | 38.45       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 1RB#0            | 23.34        | 0.1        | 21.29          | 38.45       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 6RB#0            | 22.57        | 0.1        | 20.52          | 38.45       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 1RB#2            | 23.34        | 0.1        | 21.29          | 38.45       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 1RB#5            | 23.34        | 0.1        | 21.29          | 38.45       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 1RB#0            | 23.32        | 0.1        | 21.27          | 38.45       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 6RB#0            | 22.42        | 0.1        | 20.37          | 38.45       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 1RB#2            | 23.24        | 0.1        | 21.19          | 38.45       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 1RB#5            | 23.24        | 0.1        | 21.19          | 38.45       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 1RB#0            | 22.20        | 0.1        | 20.15          | 38.45       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 6RB#0            | 21.41        | 0.1        | 19.36          | 38.45       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 1RB#2            | 22.22        | 0.1        | 20.17          | 38.45       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 1RB#5            | 22.17        | 0.1        | 20.12          | 38.45       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20525   | 1RB#0            | 22.43        | 0.1        | 20.38          | 38.45       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20525   | 6RB#0            | 21.73        | 0.1        | 19.68          | 38.45       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20525   | 1RB#2            | 22.42        | 0.1        | 20.37          | 38.45       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20525   | 1RB#5            | 22.46        | 0.1        | 20.41          | 38.45       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20643   | 1RB#0            | 22.54        | 0.1        | 20.49          | 38.45       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20643   | 6RB#0            | 21.56        | 0.1        | 19.51          | 38.45       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20643   | 1RB#2            | 22.62        | 0.1        | 20.57          | 38.45       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20643   | 1RB#5            | 22.58        | 0.1        | 20.53          | 38.45       | PASS    |
| Band5 | 3MHz      | QPSK       | 20415   | 1RB#0            | 23.18        | 0.1        | 21.13          | 38.45       | PASS    |
| Band5 | 3MHz      | QPSK       | 20415   | 15RB#0           | 22.43        | 0.1        | 20.38          | 38.45       | PASS    |
| Band5 | 3MHz      | QPSK       | 20415   | 1RB#8            | 23.30        | 0.1        | 21.25          | 38.45       | PASS    |
| Band5 | 3MHz      | QPSK       | 20415   | 1RB#14           | 23.29        | 0.1        | 21.24          | 38.45       | PASS    |
| Band5 | 3MHz      | QPSK       | 20525   | 1RB#0            | 23.32        | 0.1        | 21.27          | 38.45       | PASS    |
| Band5 | 3MHz      | QPSK       | 20525   | 15RB#0           | 22.44        | 0.1        | 20.39          | 38.45       | PASS    |
| Band5 | 3MHz      | QPSK       | 20525   | 1RB#8            | 23.36        | 0.1        | 21.31          | 38.45       | PASS    |
| Band5 | 3MHz      | QPSK       | 20525   | 1RB#14           | 23.33        | 0.1        | 21.28          | 38.45       | PASS    |
| Band5 | 3MHz      | QPSK       | 20635   | 1RB#0            | 23.19        | 0.1        | 21.14          | 38.45       | PASS    |
| Band5 | 3MHz      | QPSK       | 20635   | 15RB#0           | 22.34        | 0.1        | 20.29          | 38.45       | PASS    |
| Band5 | 3MHz      | QPSK       | 20635   | 1RB#8            | 23.18        | 0.1        | 21.13          | 38.45       | PASS    |

|       |       |       |       |        |       |     |       |       |      |
|-------|-------|-------|-------|--------|-------|-----|-------|-------|------|
| Band5 | 3MHz  | QPSK  | 20635 | 1RB#14 | 23.15 | 0.1 | 21.1  | 38.45 | PASS |
| Band5 | 3MHz  | 16QAM | 20415 | 1RB#0  | 22.30 | 0.1 | 20.25 | 38.45 | PASS |
| Band5 | 3MHz  | 16QAM | 20415 | 15RB#0 | 21.56 | 0.1 | 19.51 | 38.45 | PASS |
| Band5 | 3MHz  | 16QAM | 20415 | 1RB#8  | 22.41 | 0.1 | 20.36 | 38.45 | PASS |
| Band5 | 3MHz  | 16QAM | 20415 | 1RB#14 | 22.43 | 0.1 | 20.38 | 38.45 | PASS |
| Band5 | 3MHz  | 16QAM | 20525 | 1RB#0  | 22.23 | 0.1 | 20.18 | 38.45 | PASS |
| Band5 | 3MHz  | 16QAM | 20525 | 15RB#0 | 21.30 | 0.1 | 19.25 | 38.45 | PASS |
| Band5 | 3MHz  | 16QAM | 20525 | 1RB#8  | 22.24 | 0.1 | 20.19 | 38.45 | PASS |
| Band5 | 3MHz  | 16QAM | 20525 | 1RB#14 | 22.20 | 0.1 | 20.15 | 38.45 | PASS |
| Band5 | 3MHz  | 16QAM | 20635 | 1RB#0  | 22.31 | 0.1 | 20.26 | 38.45 | PASS |
| Band5 | 3MHz  | 16QAM | 20635 | 15RB#0 | 21.60 | 0.1 | 19.55 | 38.45 | PASS |
| Band5 | 3MHz  | 16QAM | 20635 | 1RB#8  | 22.29 | 0.1 | 20.24 | 38.45 | PASS |
| Band5 | 3MHz  | 16QAM | 20635 | 1RB#14 | 22.29 | 0.1 | 20.24 | 38.45 | PASS |
| Band5 | 5MHz  | QPSK  | 20425 | 1RB#0  | 23.40 | 0.1 | 21.35 | 38.45 | PASS |
| Band5 | 5MHz  | QPSK  | 20425 | 25RB#0 | 22.35 | 0.1 | 20.3  | 38.45 | PASS |
| Band5 | 5MHz  | QPSK  | 20425 | 1RB#12 | 23.41 | 0.1 | 21.36 | 38.45 | PASS |
| Band5 | 5MHz  | QPSK  | 20425 | 1RB#24 | 23.46 | 0.1 | 21.41 | 38.45 | PASS |
| Band5 | 5MHz  | QPSK  | 20525 | 1RB#0  | 23.43 | 0.1 | 21.38 | 38.45 | PASS |
| Band5 | 5MHz  | QPSK  | 20525 | 25RB#0 | 22.48 | 0.1 | 20.43 | 38.45 | PASS |
| Band5 | 5MHz  | QPSK  | 20525 | 1RB#12 | 23.37 | 0.1 | 21.32 | 38.45 | PASS |
| Band5 | 5MHz  | QPSK  | 20525 | 1RB#24 | 23.40 | 0.1 | 21.35 | 38.45 | PASS |
| Band5 | 5MHz  | QPSK  | 20625 | 1RB#0  | 23.39 | 0.1 | 21.34 | 38.45 | PASS |
| Band5 | 5MHz  | QPSK  | 20625 | 25RB#0 | 22.30 | 0.1 | 20.25 | 38.45 | PASS |
| Band5 | 5MHz  | QPSK  | 20625 | 1RB#12 | 23.27 | 0.1 | 21.22 | 38.45 | PASS |
| Band5 | 5MHz  | QPSK  | 20625 | 1RB#24 | 23.25 | 0.1 | 21.2  | 38.45 | PASS |
| Band5 | 5MHz  | 16QAM | 20425 | 1RB#0  | 22.10 | 0.1 | 20.05 | 38.45 | PASS |
| Band5 | 5MHz  | 16QAM | 20425 | 25RB#0 | 21.47 | 0.1 | 19.42 | 38.45 | PASS |
| Band5 | 5MHz  | 16QAM | 20425 | 1RB#12 | 22.18 | 0.1 | 20.13 | 38.45 | PASS |
| Band5 | 5MHz  | 16QAM | 20425 | 1RB#24 | 22.16 | 0.1 | 20.11 | 38.45 | PASS |
| Band5 | 5MHz  | 16QAM | 20525 | 1RB#0  | 22.40 | 0.1 | 20.35 | 38.45 | PASS |
| Band5 | 5MHz  | 16QAM | 20525 | 25RB#0 | 21.45 | 0.1 | 19.4  | 38.45 | PASS |
| Band5 | 5MHz  | 16QAM | 20525 | 1RB#12 | 22.35 | 0.1 | 20.3  | 38.45 | PASS |
| Band5 | 5MHz  | 16QAM | 20525 | 1RB#24 | 22.31 | 0.1 | 20.26 | 38.45 | PASS |
| Band5 | 5MHz  | 16QAM | 20625 | 1RB#0  | 22.24 | 0.1 | 20.19 | 38.45 | PASS |
| Band5 | 5MHz  | 16QAM | 20625 | 25RB#0 | 21.44 | 0.1 | 19.39 | 38.45 | PASS |
| Band5 | 5MHz  | 16QAM | 20625 | 1RB#12 | 22.13 | 0.1 | 20.08 | 38.45 | PASS |
| Band5 | 5MHz  | 16QAM | 20625 | 1RB#24 | 21.96 | 0.1 | 19.91 | 38.45 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 1RB#0  | 23.02 | 0.1 | 20.97 | 38.45 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 25RB#0 | 22.19 | 0.1 | 20.14 | 38.45 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 50RB#0 | 22.25 | 0.1 | 20.2  | 38.45 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 1RB#24 | 23.08 | 0.1 | 21.03 | 38.45 | PASS |

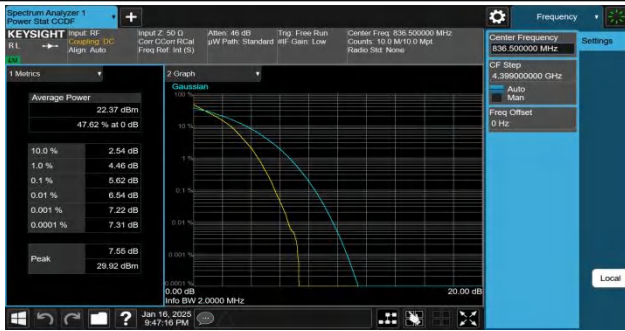
|       |       |       |       |        |       |     |       |       |      |
|-------|-------|-------|-------|--------|-------|-----|-------|-------|------|
| Band5 | 10MHz | QPSK  | 20450 | 1RB#49 | 23.26 | 0.1 | 21.21 | 38.45 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 1RB#0  | 23.21 | 0.1 | 21.16 | 38.45 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 25RB#0 | 22.26 | 0.1 | 20.21 | 38.45 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 50RB#0 | 22.27 | 0.1 | 20.22 | 38.45 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 1RB#24 | 23.25 | 0.1 | 21.2  | 38.45 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 1RB#49 | 23.22 | 0.1 | 21.17 | 38.45 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 1RB#0  | 23.14 | 0.1 | 21.09 | 38.45 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 25RB#0 | 22.41 | 0.1 | 20.36 | 38.45 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 50RB#0 | 22.30 | 0.1 | 20.25 | 38.45 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 1RB#24 | 23.10 | 0.1 | 21.05 | 38.45 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 1RB#49 | 22.98 | 0.1 | 20.93 | 38.45 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 1RB#0  | 22.19 | 0.1 | 20.14 | 38.45 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 25RB#0 | 21.24 | 0.1 | 19.19 | 38.45 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 50RB#0 | 21.28 | 0.1 | 19.23 | 38.45 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 1RB#24 | 22.30 | 0.1 | 20.25 | 38.45 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 1RB#49 | 22.43 | 0.1 | 20.38 | 38.45 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 1RB#0  | 22.12 | 0.1 | 20.07 | 38.45 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 25RB#0 | 21.34 | 0.1 | 19.29 | 38.45 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 50RB#0 | 21.34 | 0.1 | 19.29 | 38.45 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 1RB#24 | 22.21 | 0.1 | 20.16 | 38.45 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 1RB#49 | 22.21 | 0.1 | 20.16 | 38.45 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 1RB#0  | 22.34 | 0.1 | 20.29 | 38.45 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 25RB#0 | 21.47 | 0.1 | 19.42 | 38.45 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 50RB#0 | 21.28 | 0.1 | 19.23 | 38.45 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 1RB#24 | 22.26 | 0.1 | 20.21 | 38.45 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 1RB#49 | 22.17 | 0.1 | 20.12 | 38.45 | PASS |

## Peak-to-Average Ratio(CCDF)

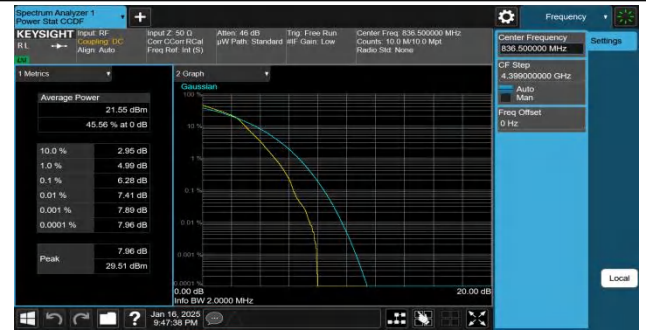
### Test Result

| Band  | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|-------|-----------|------------|---------|------------------|------------|-----------|---------|
| Band5 | 1.4MHz    | QPSK       | 20525   | 6RB#0            | 5.62       | 13        | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20525   | 6RB#0            | 6.28       | 13        | PASS    |
| Band5 | 3MHz      | QPSK       | 20525   | 15RB#0           | 5.66       | 13        | PASS    |
| Band5 | 3MHz      | 16QAM      | 20525   | 15RB#0           | 6.34       | 13        | PASS    |
| Band5 | 5MHz      | QPSK       | 20525   | 25RB#0           | 5.66       | 13        | PASS    |
| Band5 | 5MHz      | 16QAM      | 20525   | 25RB#0           | 6.28       | 13        | PASS    |
| Band5 | 10MHz     | QPSK       | 20525   | 50RB#0           | 5.58       | 13        | PASS    |
| Band5 | 10MHz     | 16QAM      | 20525   | 50RB#0           | 6.27       | 13        | PASS    |

# Test Graphs



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



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



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



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



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



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



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



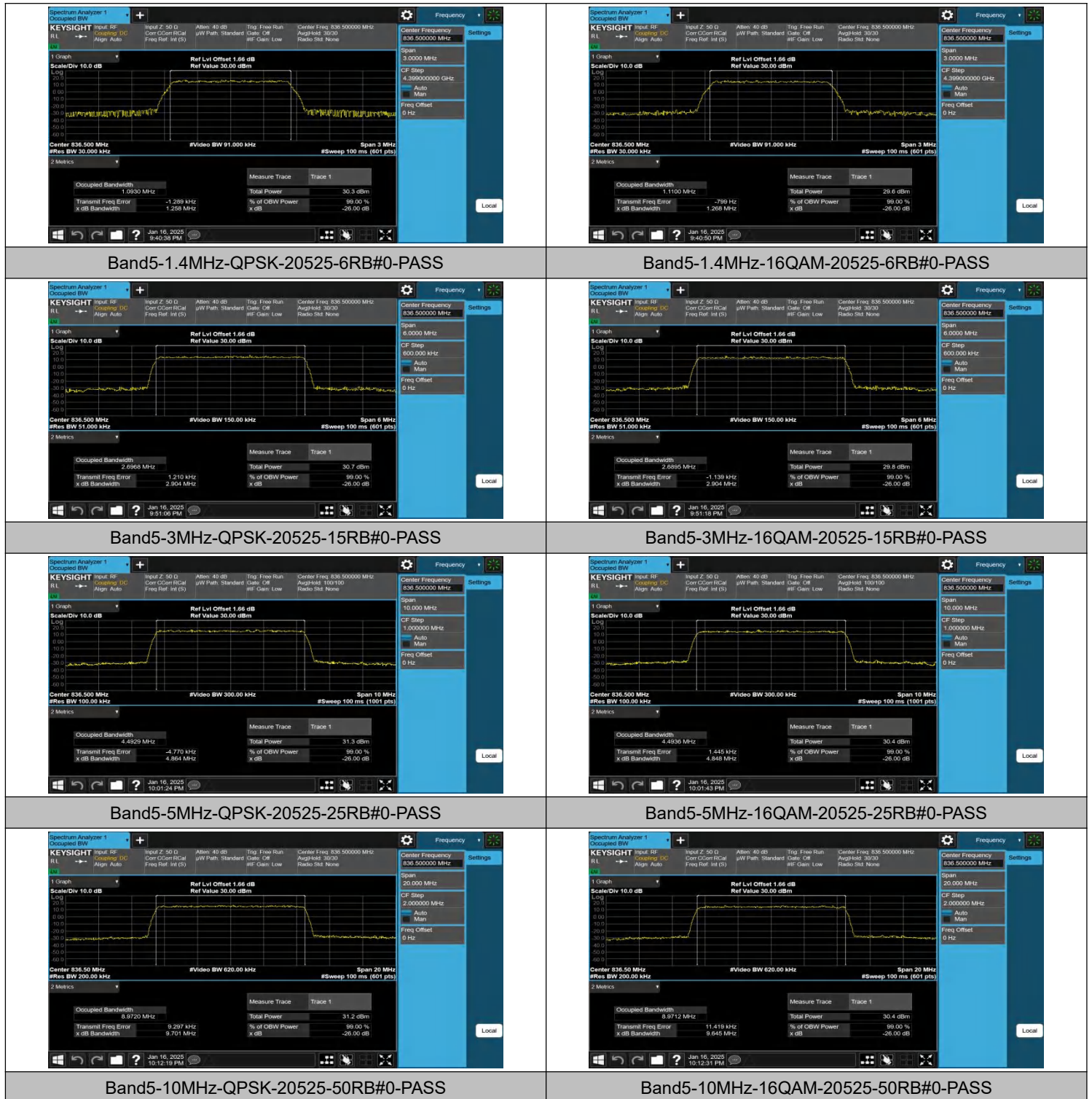
Band5-10MHz-16QAM-20525-50RB#0-PASS

## 26dB Bandwidth and Occupied Bandwidth

### Test Result

| Band  | Bandwidth | Modulation | Channel | RB Configuration | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|-------|-----------|------------|---------|------------------|--------------------------|----------------------|---------|
| Band5 | 1.4MHz    | QPSK       | 20525   | 6RB#0            | 1.0930                   | 1.258                | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20525   | 6RB#0            | 1.1100                   | 1.268                | PASS    |
| Band5 | 3MHz      | QPSK       | 20525   | 15RB#0           | 2.6968                   | 2.904                | PASS    |
| Band5 | 3MHz      | 16QAM      | 20525   | 15RB#0           | 2.6895                   | 2.904                | PASS    |
| Band5 | 5MHz      | QPSK       | 20525   | 25RB#0           | 4.4929                   | 4.864                | PASS    |
| Band5 | 5MHz      | 16QAM      | 20525   | 25RB#0           | 4.4936                   | 4.848                | PASS    |
| Band5 | 10MHz     | QPSK       | 20525   | 50RB#0           | 8.9720                   | 9.701                | PASS    |
| Band5 | 10MHz     | 16QAM      | 20525   | 50RB#0           | 8.9712                   | 9.645                | PASS    |

# Test Graphs

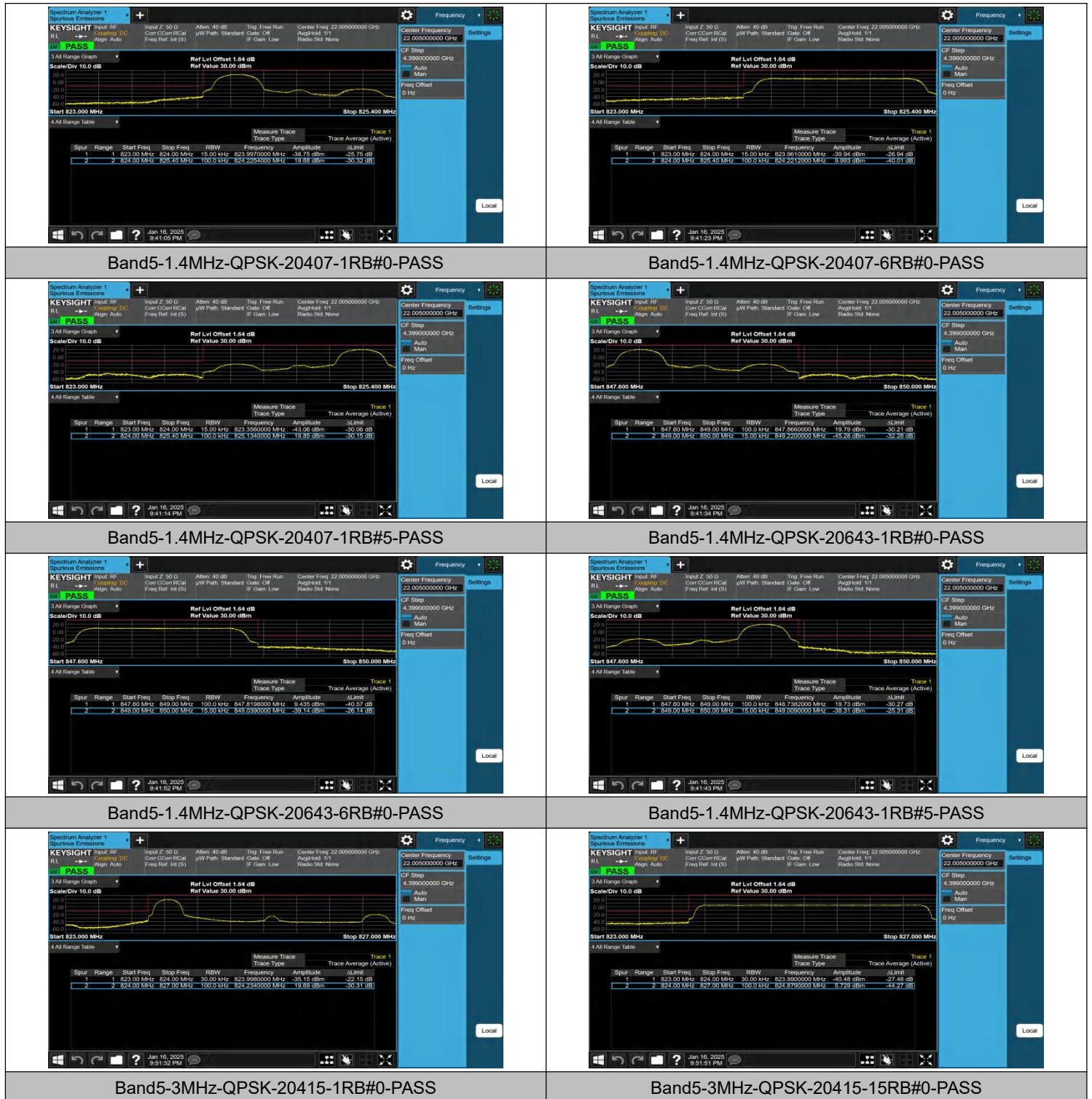


## Band Edge

### Test Result

| Band  | Bandwidth | Modulation | Channel | RB Configuration | Result(dBm) | Margin(dB) | Verdict |
|-------|-----------|------------|---------|------------------|-------------|------------|---------|
| Band5 | 1.4MHz    | QPSK       | 20407   | 1RB#0            | -38.75      | 25.75      | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20407   | 6RB#0            | -39.94      | 26.94      | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20407   | 1RB#5            | -43.06      | 30.06      | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 1RB#0            | -45.28      | 32.28      | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 6RB#0            | -39.14      | 26.14      | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 1RB#5            | -38.31      | 25.31      | PASS    |
| Band5 | 3MHz      | QPSK       | 20415   | 1RB#0            | -35.15      | 22.15      | PASS    |
| Band5 | 3MHz      | QPSK       | 20415   | 15RB#0           | -40.48      | 27.48      | PASS    |
| Band5 | 3MHz      | QPSK       | 20415   | 1RB#14           | -40.88      | 27.88      | PASS    |
| Band5 | 3MHz      | QPSK       | 20635   | 1RB#0            | -42.48      | 29.48      | PASS    |
| Band5 | 3MHz      | QPSK       | 20635   | 15RB#0           | -40.36      | 27.36      | PASS    |
| Band5 | 3MHz      | QPSK       | 20635   | 1RB#14           | -36.83      | 23.83      | PASS    |
| Band5 | 5MHz      | QPSK       | 20425   | 1RB#0            | -37.29      | 24.29      | PASS    |
| Band5 | 5MHz      | QPSK       | 20425   | 25RB#0           | -41.66      | 28.66      | PASS    |
| Band5 | 5MHz      | QPSK       | 20425   | 1RB#24           | -56.43      | 43.43      | PASS    |
| Band5 | 5MHz      | QPSK       | 20625   | 1RB#0            | -57.25      | 44.25      | PASS    |
| Band5 | 5MHz      | QPSK       | 20625   | 25RB#0           | -40.89      | 27.89      | PASS    |
| Band5 | 5MHz      | QPSK       | 20625   | 1RB#24           | -37.31      | 24.31      | PASS    |
| Band5 | 10MHz     | QPSK       | 20450   | 1RB#0            | -44.83      | 31.83      | PASS    |
| Band5 | 10MHz     | QPSK       | 20450   | 50RB#0           | -43.78      | 30.78      | PASS    |
| Band5 | 10MHz     | QPSK       | 20450   | 1RB#49           | -57.36      | 44.36      | PASS    |
| Band5 | 10MHz     | QPSK       | 20600   | 1RB#0            | -57.44      | 44.44      | PASS    |
| Band5 | 10MHz     | QPSK       | 20600   | 50RB#0           | -41.23      | 28.23      | PASS    |
| Band5 | 10MHz     | QPSK       | 20600   | 1RB#49           | -45.17      | 32.17      | PASS    |

# Test Graphs

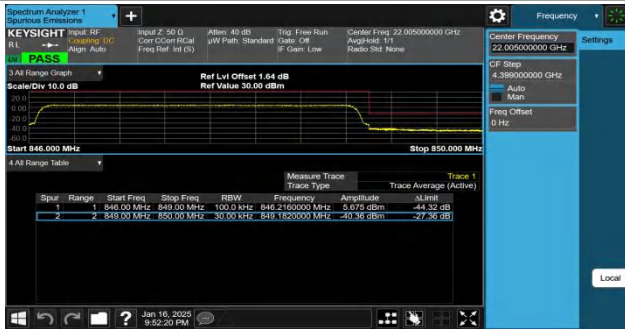




Band5-3MHz-QPSK-20415-1RB#14-PASS



Band5-3MHz-QPSK-20635-1RB#0-PASS



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



Band5-3MHz-QPSK-20635-1RB#14-PASS



Band5-5MHz-QPSK-20425-1RB#0-PASS



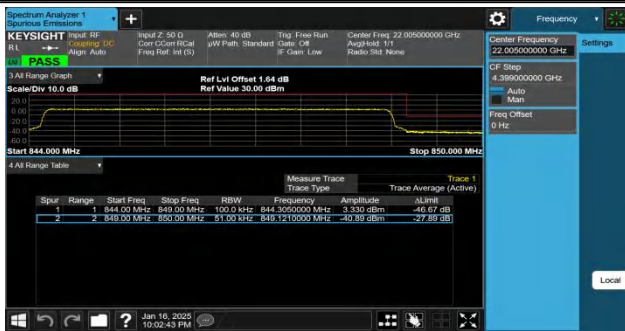
Band5-5MHz-QPSK-20425-25RB#0-PASS



Band5-5MHz-QPSK-20425-1RB#24-PASS



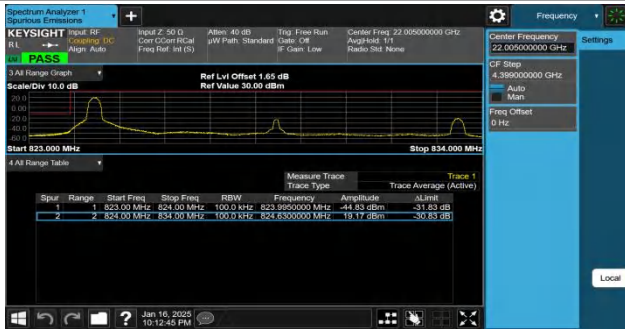
Band5-5MHz-QPSK-20625-1RB#0-PASS



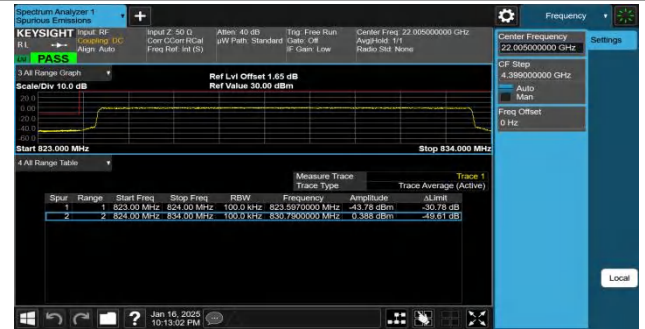
Band5-5MHz-QPSK-20625-25RB#0-PASS



Band5-5MHz-QPSK-20625-1RB#24-PASS



Band5-10MHz-QPSK-20450-1RB#0-PASS



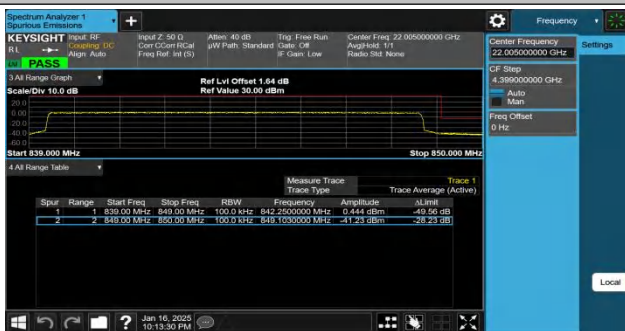
Band5-10MHz-QPSK-20450-50RB#0-PASS



Band5-10MHz-QPSK-20450-1RB#49-PASS



Band5-10MHz-QPSK-20600-1RB#0-PASS



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



Band5-10MHz-QPSK-20600-1RB#49-PASS

## Conducted Spurious Emission

### Test Result

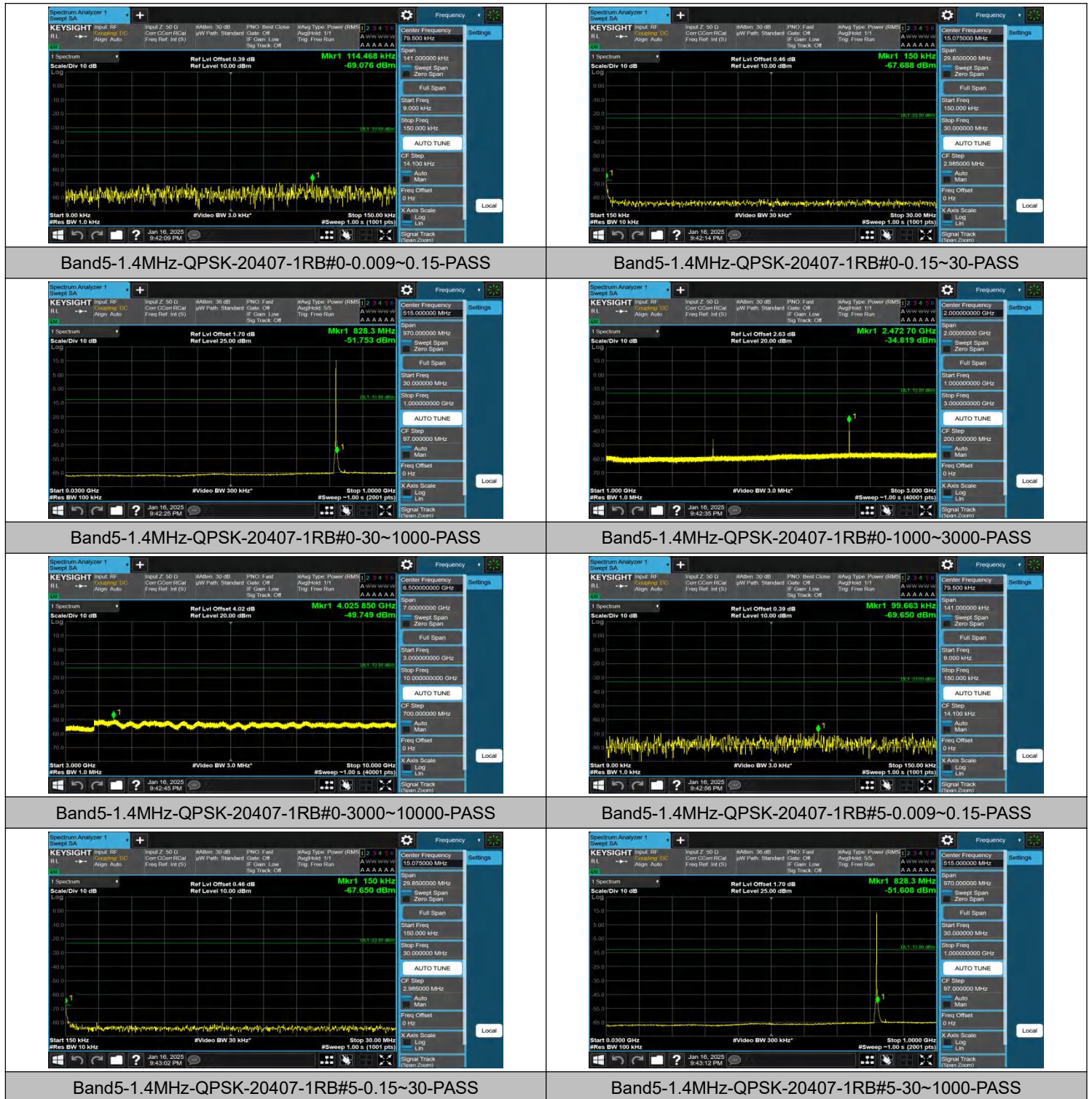
| Band  | Bandwidth | Modulation | Channel | RB Configuration | Frequency Range | Result (dBm) | Limit (dBm) | Verdict |
|-------|-----------|------------|---------|------------------|-----------------|--------------|-------------|---------|
| Band5 | 1.4MHz    | QPSK       | 20407   | 1RB#0            | 0.009~0.15      | -69.08       | -33.0       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20407   | 1RB#0            | 0.15~30         | -67.69       | -23.0       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20407   | 1RB#0            | 30~1000         | -51.75       | -13.0       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20407   | 1RB#0            | 1000~3000       | -34.82       | -13.0       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20407   | 1RB#0            | 3000~10000      | -49.75       | -13.0       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20407   | 1RB#5            | 0.009~0.15      | -69.65       | -33.0       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20407   | 1RB#5            | 0.15~30         | -67.65       | -23.0       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20407   | 1RB#5            | 30~1000         | -51.61       | -13.0       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20407   | 1RB#5            | 1000~3000       | -35.88       | -13.0       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20407   | 1RB#5            | 3000~10000      | -49.88       | -13.0       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 1RB#0            | 0.009~0.15      | -68.24       | -33.0       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 1RB#0            | 0.15~30         | -67.45       | -23.0       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 1RB#0            | 30~1000         | -53.32       | -13.0       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 1RB#0            | 1000~3000       | -36.81       | -13.0       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 1RB#0            | 3000~10000      | -49.76       | -13.0       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 1RB#5            | 0.009~0.15      | -67.86       | -33.0       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 1RB#5            | 0.15~30         | -67.49       | -23.0       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 1RB#5            | 30~1000         | -52.33       | -13.0       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 1RB#5            | 1000~3000       | -35.82       | -13.0       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 1RB#5            | 3000~10000      | -49.79       | -13.0       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 1RB#0            | 0.009~0.15      | -69.02       | -33.0       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 1RB#0            | 0.15~30         | -68.33       | -23.0       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 1RB#0            | 30~1000         | -52.62       | -13.0       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 1RB#0            | 1000~3000       | -34.90       | -13.0       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 1RB#0            | 3000~10000      | -49.82       | -13.0       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 1RB#5            | 0.009~0.15      | -69.26       | -33.0       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 1RB#5            | 0.15~30         | -67.95       | -23.0       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 1RB#5            | 30~1000         | -51.04       | -13.0       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 1RB#5            | 1000~3000       | -33.52       | -13.0       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 1RB#5            | 3000~10000      | -49.83       | -13.0       | PASS    |
| Band5 | 3MHz      | QPSK       | 20415   | 1RB#0            | 0.009~0.15      | -68.74       | -33.0       | PASS    |
| Band5 | 3MHz      | QPSK       | 20415   | 1RB#0            | 0.15~30         | -67.80       | -23.0       | PASS    |
| Band5 | 3MHz      | QPSK       | 20415   | 1RB#0            | 30~1000         | -60.46       | -13.0       | PASS    |
| Band5 | 3MHz      | QPSK       | 20415   | 1RB#0            | 1000~3000       | -36.93       | -13.0       | PASS    |
| Band5 | 3MHz      | QPSK       | 20415   | 1RB#0            | 3000~10000      | -49.84       | -13.0       | PASS    |
| Band5 | 3MHz      | QPSK       | 20415   | 1RB#14           | 0.009~0.15      | -68.58       | -33.0       | PASS    |

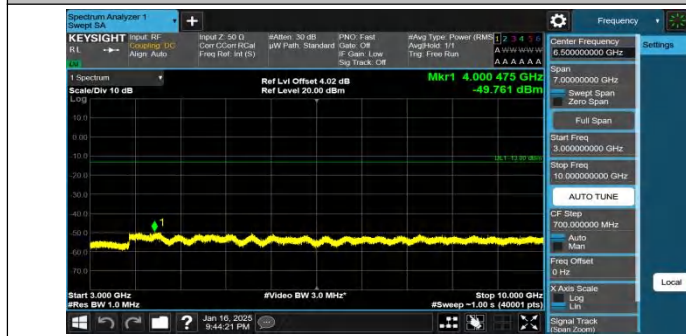
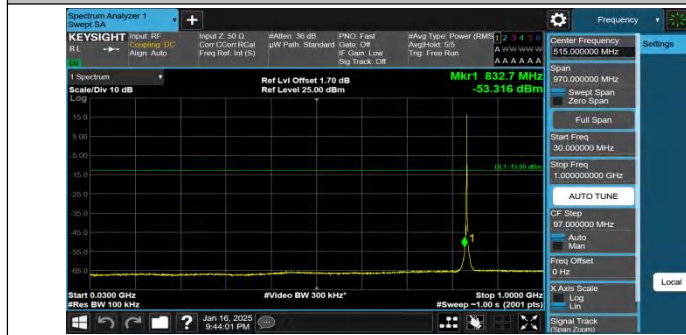
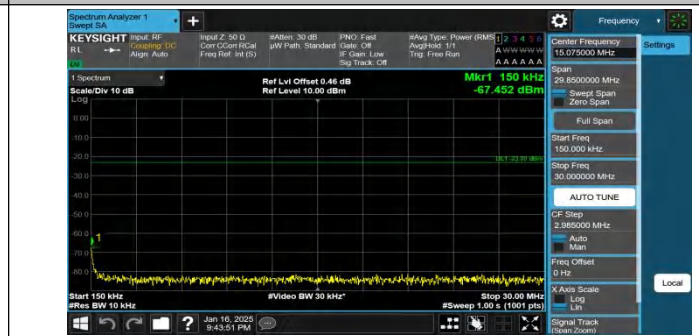
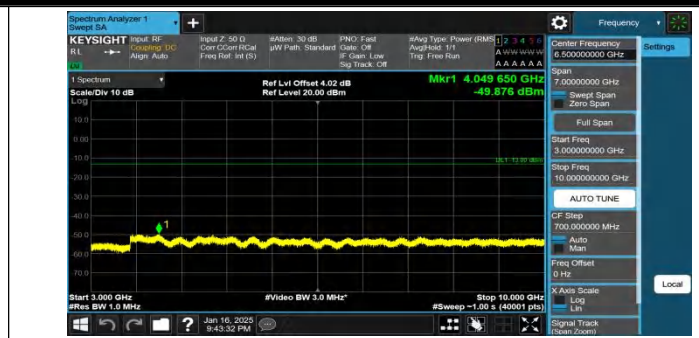
|       |      |      |       |        |            |        |       |      |
|-------|------|------|-------|--------|------------|--------|-------|------|
| Band5 | 3MHz | QPSK | 20415 | 1RB#14 | 0.15~30    | -68.78 | -23.0 | PASS |
| Band5 | 3MHz | QPSK | 20415 | 1RB#14 | 30~1000    | -58.78 | -13.0 | PASS |
| Band5 | 3MHz | QPSK | 20415 | 1RB#14 | 1000~3000  | -35.14 | -13.0 | PASS |
| Band5 | 3MHz | QPSK | 20415 | 1RB#14 | 3000~10000 | -49.96 | -13.0 | PASS |
| Band5 | 3MHz | QPSK | 20525 | 1RB#0  | 0.009~0.15 | -68.73 | -33.0 | PASS |
| Band5 | 3MHz | QPSK | 20525 | 1RB#0  | 0.15~30    | -65.48 | -23.0 | PASS |
| Band5 | 3MHz | QPSK | 20525 | 1RB#0  | 30~1000    | -58.67 | -13.0 | PASS |
| Band5 | 3MHz | QPSK | 20525 | 1RB#0  | 1000~3000  | -34.84 | -13.0 | PASS |
| Band5 | 3MHz | QPSK | 20525 | 1RB#0  | 3000~10000 | -49.61 | -13.0 | PASS |
| Band5 | 3MHz | QPSK | 20525 | 1RB#14 | 0.009~0.15 | -69.23 | -33.0 | PASS |
| Band5 | 3MHz | QPSK | 20525 | 1RB#14 | 0.15~30    | -65.09 | -23.0 | PASS |
| Band5 | 3MHz | QPSK | 20525 | 1RB#14 | 30~1000    | -59.33 | -13.0 | PASS |
| Band5 | 3MHz | QPSK | 20525 | 1RB#14 | 1000~3000  | -34.99 | -13.0 | PASS |
| Band5 | 3MHz | QPSK | 20525 | 1RB#14 | 3000~10000 | -48.88 | -13.0 | PASS |
| Band5 | 3MHz | QPSK | 20635 | 1RB#0  | 0.009~0.15 | -68.72 | -33.0 | PASS |
| Band5 | 3MHz | QPSK | 20635 | 1RB#0  | 0.15~30    | -67.09 | -23.0 | PASS |
| Band5 | 3MHz | QPSK | 20635 | 1RB#0  | 30~1000    | -58.53 | -13.0 | PASS |
| Band5 | 3MHz | QPSK | 20635 | 1RB#0  | 1000~3000  | -35.49 | -13.0 | PASS |
| Band5 | 3MHz | QPSK | 20635 | 1RB#0  | 3000~10000 | -49.88 | -13.0 | PASS |
| Band5 | 3MHz | QPSK | 20635 | 1RB#14 | 0.009~0.15 | -68.92 | -33.0 | PASS |
| Band5 | 3MHz | QPSK | 20635 | 1RB#14 | 0.15~30    | -68.16 | -23.0 | PASS |
| Band5 | 3MHz | QPSK | 20635 | 1RB#14 | 30~1000    | -60.88 | -13.0 | PASS |
| Band5 | 3MHz | QPSK | 20635 | 1RB#14 | 1000~3000  | -35.12 | -13.0 | PASS |
| Band5 | 3MHz | QPSK | 20635 | 1RB#14 | 3000~10000 | -49.74 | -13.0 | PASS |
| Band5 | 5MHz | QPSK | 20425 | 1RB#0  | 0.009~0.15 | -69.33 | -33.0 | PASS |
| Band5 | 5MHz | QPSK | 20425 | 1RB#0  | 0.15~30    | -67.89 | -23.0 | PASS |
| Band5 | 5MHz | QPSK | 20425 | 1RB#0  | 30~1000    | -63.51 | -13.0 | PASS |
| Band5 | 5MHz | QPSK | 20425 | 1RB#0  | 1000~3000  | -35.43 | -13.0 | PASS |
| Band5 | 5MHz | QPSK | 20425 | 1RB#0  | 3000~10000 | -49.61 | -13.0 | PASS |
| Band5 | 5MHz | QPSK | 20425 | 1RB#24 | 0.009~0.15 | -69.84 | -33.0 | PASS |
| Band5 | 5MHz | QPSK | 20425 | 1RB#24 | 0.15~30    | -66.84 | -23.0 | PASS |
| Band5 | 5MHz | QPSK | 20425 | 1RB#24 | 30~1000    | -62.73 | -13.0 | PASS |
| Band5 | 5MHz | QPSK | 20425 | 1RB#24 | 1000~3000  | -38.12 | -13.0 | PASS |
| Band5 | 5MHz | QPSK | 20425 | 1RB#24 | 3000~10000 | -49.63 | -13.0 | PASS |
| Band5 | 5MHz | QPSK | 20525 | 1RB#0  | 0.009~0.15 | -68.82 | -33.0 | PASS |
| Band5 | 5MHz | QPSK | 20525 | 1RB#0  | 0.15~30    | -66.79 | -23.0 | PASS |
| Band5 | 5MHz | QPSK | 20525 | 1RB#0  | 30~1000    | -62.82 | -13.0 | PASS |
| Band5 | 5MHz | QPSK | 20525 | 1RB#0  | 1000~3000  | -34.29 | -13.0 | PASS |
| Band5 | 5MHz | QPSK | 20525 | 1RB#0  | 3000~10000 | -49.64 | -13.0 | PASS |
| Band5 | 5MHz | QPSK | 20525 | 1RB#24 | 0.009~0.15 | -67.97 | -33.0 | PASS |
| Band5 | 5MHz | QPSK | 20525 | 1RB#24 | 0.15~30    | -66.73 | -23.0 | PASS |

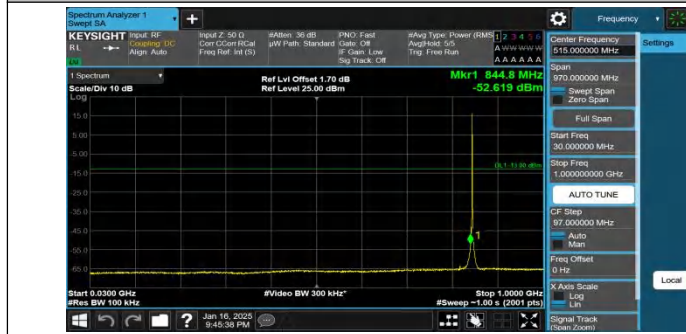
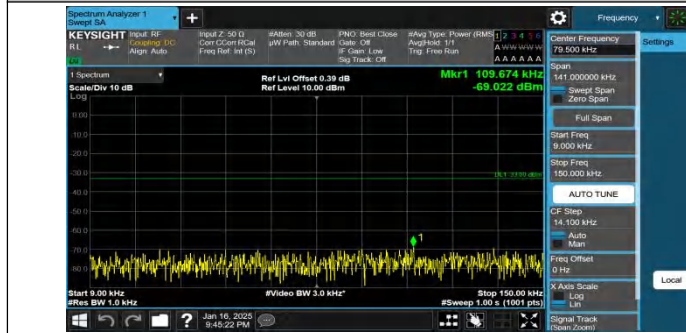
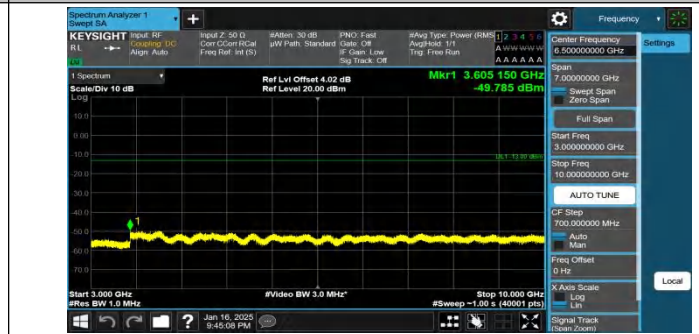
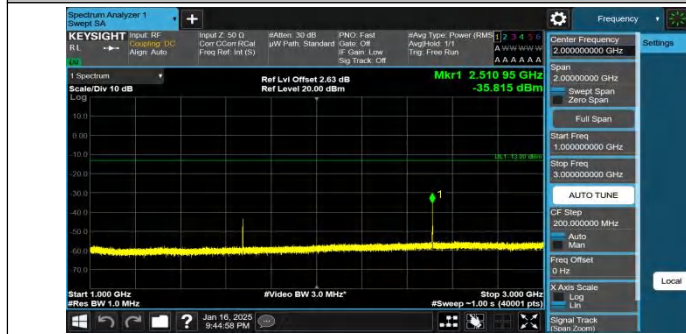
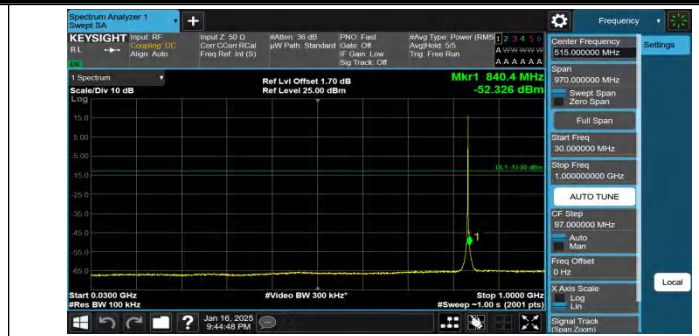
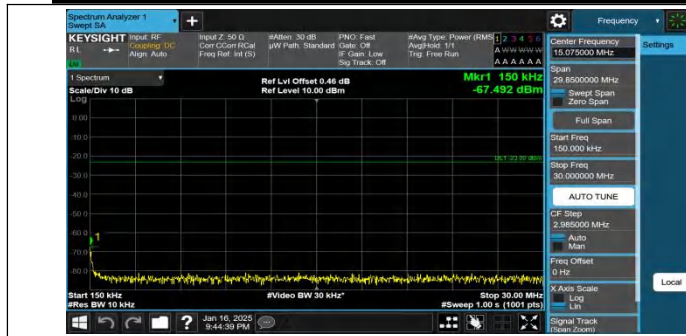
|       |       |      |       |        |            |        |       |      |
|-------|-------|------|-------|--------|------------|--------|-------|------|
| Band5 | 5MHz  | QPSK | 20525 | 1RB#24 | 30~1000    | -62.60 | -13.0 | PASS |
| Band5 | 5MHz  | QPSK | 20525 | 1RB#24 | 1000~3000  | -33.06 | -13.0 | PASS |
| Band5 | 5MHz  | QPSK | 20525 | 1RB#24 | 3000~10000 | -49.75 | -13.0 | PASS |
| Band5 | 5MHz  | QPSK | 20625 | 1RB#0  | 0.009~0.15 | -67.59 | -33.0 | PASS |
| Band5 | 5MHz  | QPSK | 20625 | 1RB#0  | 0.15~30    | -68.09 | -23.0 | PASS |
| Band5 | 5MHz  | QPSK | 20625 | 1RB#0  | 30~1000    | -62.82 | -13.0 | PASS |
| Band5 | 5MHz  | QPSK | 20625 | 1RB#0  | 1000~3000  | -35.34 | -13.0 | PASS |
| Band5 | 5MHz  | QPSK | 20625 | 1RB#0  | 3000~10000 | -49.50 | -13.0 | PASS |
| Band5 | 5MHz  | QPSK | 20625 | 1RB#24 | 0.009~0.15 | -69.47 | -33.0 | PASS |
| Band5 | 5MHz  | QPSK | 20625 | 1RB#24 | 0.15~30    | -67.45 | -23.0 | PASS |
| Band5 | 5MHz  | QPSK | 20625 | 1RB#24 | 30~1000    | -63.32 | -13.0 | PASS |
| Band5 | 5MHz  | QPSK | 20625 | 1RB#24 | 1000~3000  | -35.63 | -13.0 | PASS |
| Band5 | 5MHz  | QPSK | 20625 | 1RB#24 | 3000~10000 | -49.47 | -13.0 | PASS |
| Band5 | 10MHz | QPSK | 20450 | 1RB#0  | 0.009~0.15 | -69.34 | -33.0 | PASS |
| Band5 | 10MHz | QPSK | 20450 | 1RB#0  | 0.15~30    | -66.91 | -23.0 | PASS |
| Band5 | 10MHz | QPSK | 20450 | 1RB#0  | 30~1000    | -64.66 | -13.0 | PASS |
| Band5 | 10MHz | QPSK | 20450 | 1RB#0  | 1000~3000  | -36.39 | -13.0 | PASS |
| Band5 | 10MHz | QPSK | 20450 | 1RB#0  | 3000~10000 | -49.25 | -13.0 | PASS |
| Band5 | 10MHz | QPSK | 20450 | 1RB#49 | 0.009~0.15 | -68.51 | -33.0 | PASS |
| Band5 | 10MHz | QPSK | 20450 | 1RB#49 | 0.15~30    | -66.64 | -23.0 | PASS |
| Band5 | 10MHz | QPSK | 20450 | 1RB#49 | 30~1000    | -64.06 | -13.0 | PASS |
| Band5 | 10MHz | QPSK | 20450 | 1RB#49 | 1000~3000  | -38.20 | -13.0 | PASS |
| Band5 | 10MHz | QPSK | 20450 | 1RB#49 | 3000~10000 | -49.77 | -13.0 | PASS |
| Band5 | 10MHz | QPSK | 20525 | 1RB#0  | 0.009~0.15 | -67.29 | -33.0 | PASS |
| Band5 | 10MHz | QPSK | 20525 | 1RB#0  | 0.15~30    | -66.78 | -23.0 | PASS |
| Band5 | 10MHz | QPSK | 20525 | 1RB#0  | 30~1000    | -64.61 | -13.0 | PASS |
| Band5 | 10MHz | QPSK | 20525 | 1RB#0  | 1000~3000  | -36.96 | -13.0 | PASS |
| Band5 | 10MHz | QPSK | 20525 | 1RB#0  | 3000~10000 | -49.93 | -13.0 | PASS |
| Band5 | 10MHz | QPSK | 20525 | 1RB#49 | 0.009~0.15 | -69.55 | -33.0 | PASS |
| Band5 | 10MHz | QPSK | 20525 | 1RB#49 | 0.15~30    | -67.65 | -23.0 | PASS |
| Band5 | 10MHz | QPSK | 20525 | 1RB#49 | 30~1000    | -64.51 | -13.0 | PASS |
| Band5 | 10MHz | QPSK | 20525 | 1RB#49 | 1000~3000  | -35.06 | -13.0 | PASS |
| Band5 | 10MHz | QPSK | 20525 | 1RB#49 | 3000~10000 | -49.91 | -13.0 | PASS |
| Band5 | 10MHz | QPSK | 20600 | 1RB#0  | 0.009~0.15 | -69.33 | -33.0 | PASS |
| Band5 | 10MHz | QPSK | 20600 | 1RB#0  | 0.15~30    | -69.01 | -23.0 | PASS |
| Band5 | 10MHz | QPSK | 20600 | 1RB#0  | 30~1000    | -64.38 | -13.0 | PASS |
| Band5 | 10MHz | QPSK | 20600 | 1RB#0  | 1000~3000  | -33.46 | -13.0 | PASS |
| Band5 | 10MHz | QPSK | 20600 | 1RB#0  | 3000~10000 | -49.69 | -13.0 | PASS |
| Band5 | 10MHz | QPSK | 20600 | 1RB#49 | 0.009~0.15 | -67.96 | -33.0 | PASS |
| Band5 | 10MHz | QPSK | 20600 | 1RB#49 | 0.15~30    | -66.91 | -23.0 | PASS |
| Band5 | 10MHz | QPSK | 20600 | 1RB#49 | 30~1000    | -64.55 | -13.0 | PASS |

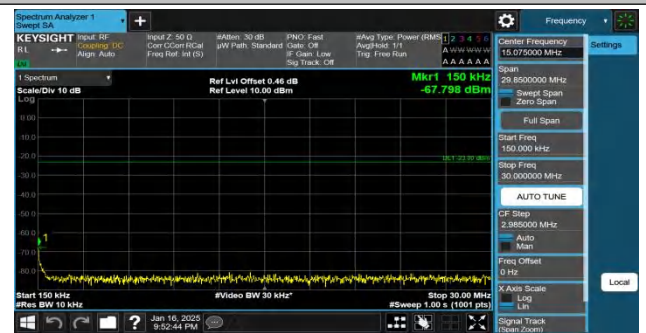
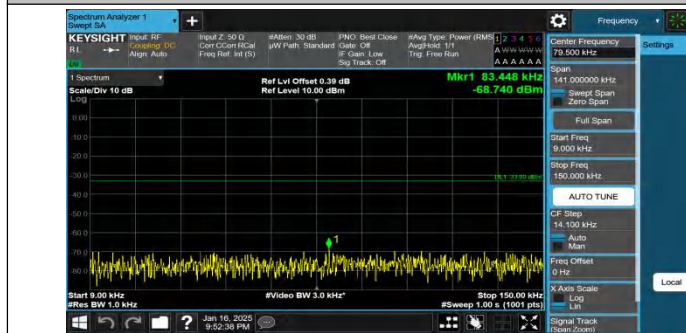
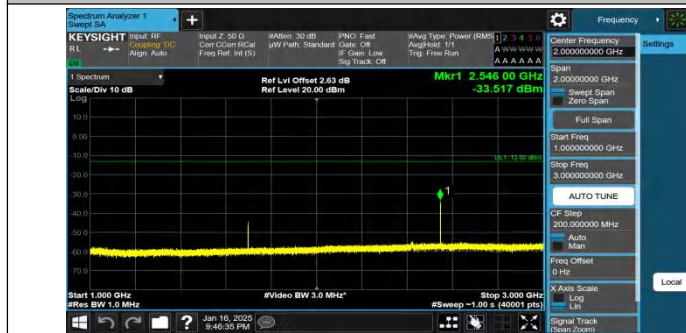
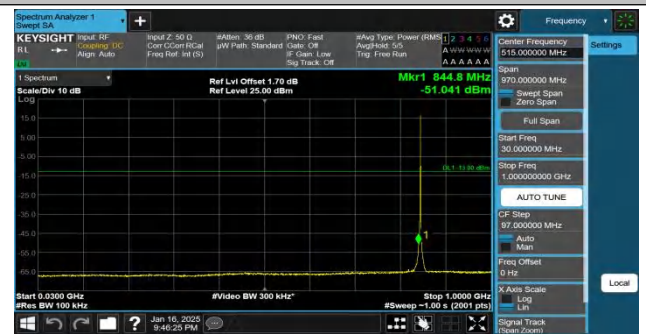
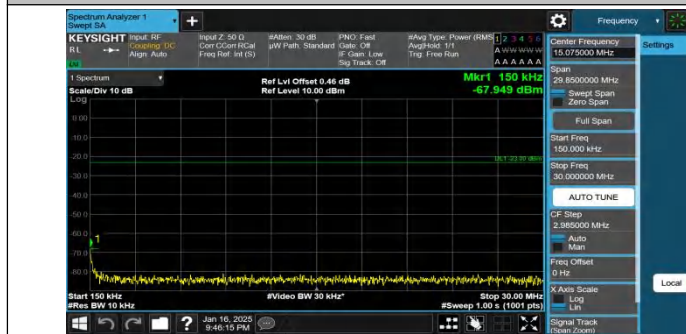
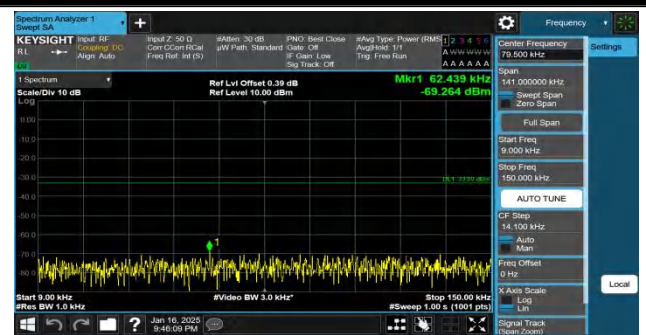
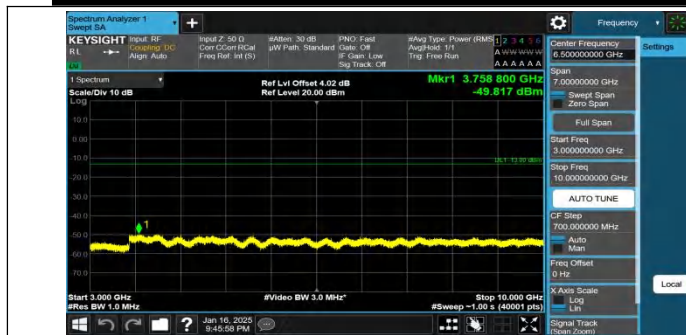
|       |       |      |       |        |            |        |       |      |
|-------|-------|------|-------|--------|------------|--------|-------|------|
| Band5 | 10MHz | QPSK | 20600 | 1RB#49 | 1000~3000  | -34.30 | -13.0 | PASS |
| Band5 | 10MHz | QPSK | 20600 | 1RB#49 | 3000~10000 | -49.65 | -13.0 | PASS |

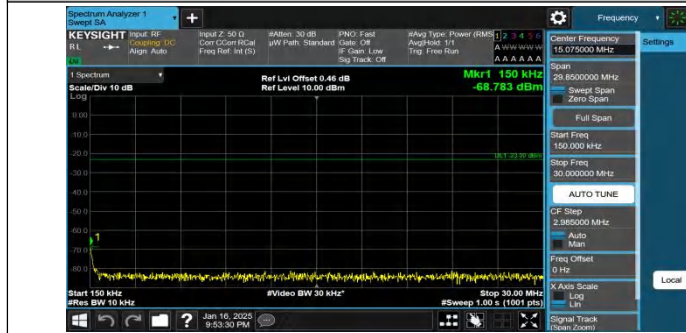
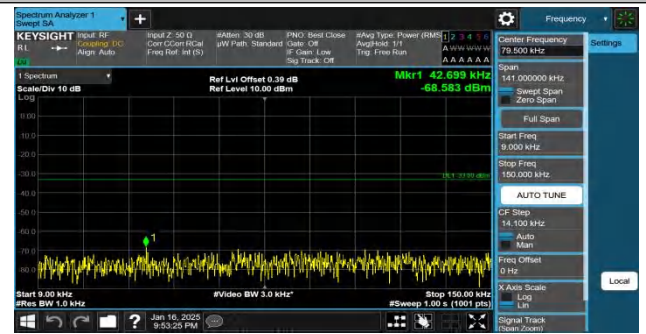
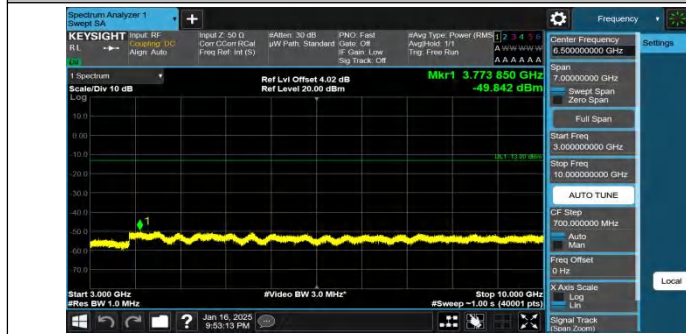
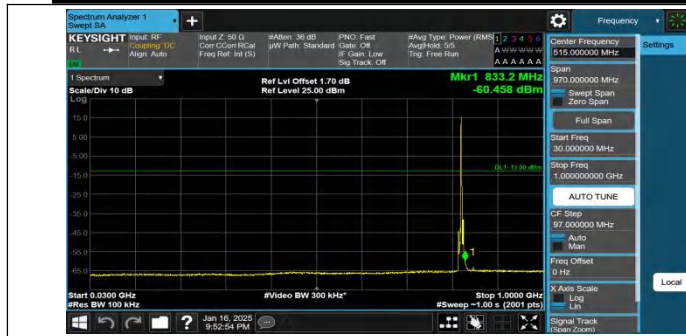
# Test Graphs





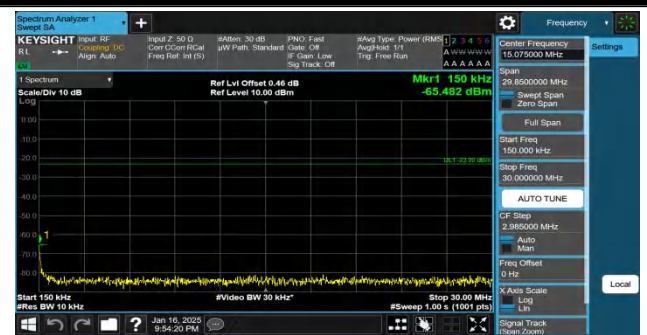




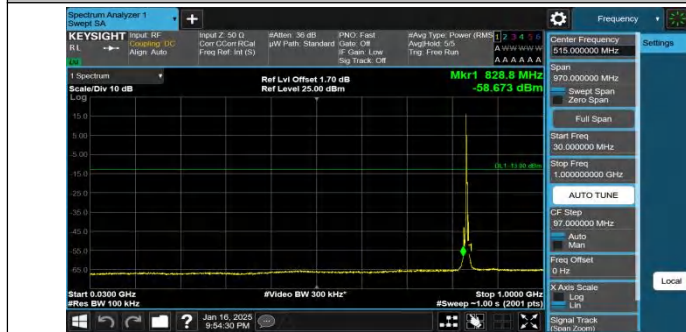




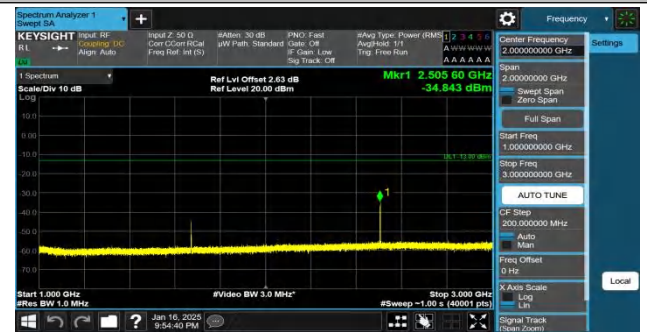
Band5-3MHz-QPSK-20525-1RB#0-0.009~0.15-PASS



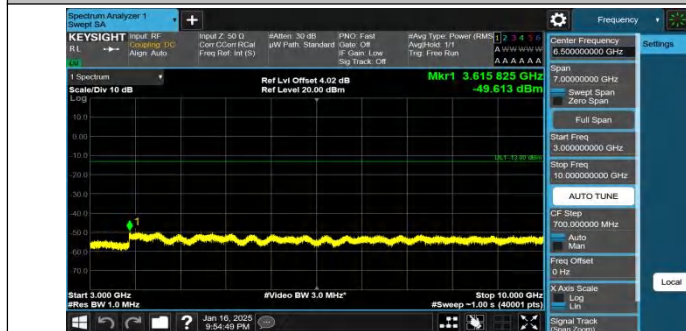
Band5-3MHz-QPSK-20525-1RB#0-0.15~30-PASS



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



Band5-3MHz-QPSK-20525-1RB#0-1000~3000-PASS



Band5-3MHz-QPSK-20525-1RB#0-3000~10000-PASS



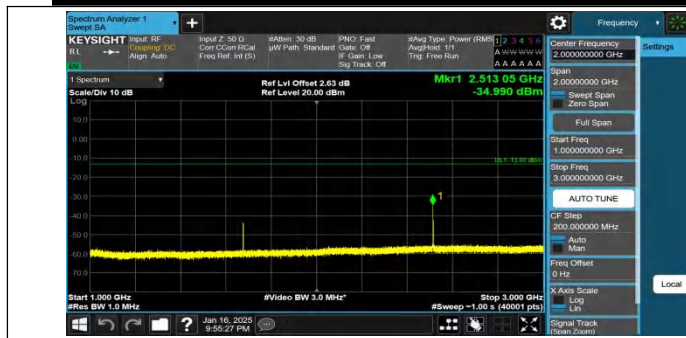
Band5-3MHz-QPSK-20525-1RB#14-0.009~0.15-PASS



Band5-3MHz-QPSK-20525-1RB#14-0.15~30-PASS



Band5-3MHz-QPSK-20525-1RB#14-30~1000-PASS



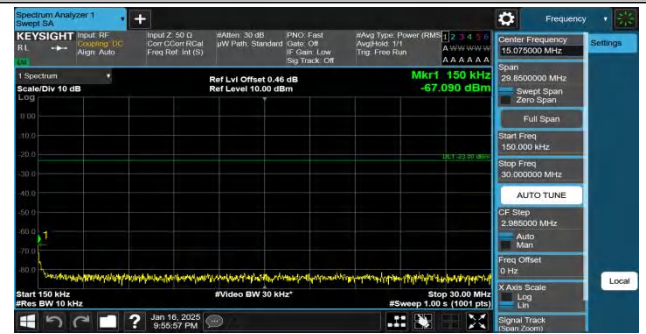
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Band5-3MHz-QPSK-20525-1RB#14-3000~10000-PASS



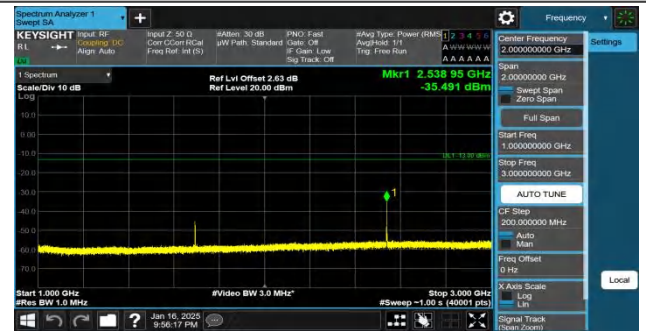
Band5-3MHz-QPSK-20635-1RB#0-0.009~0.15-PASS



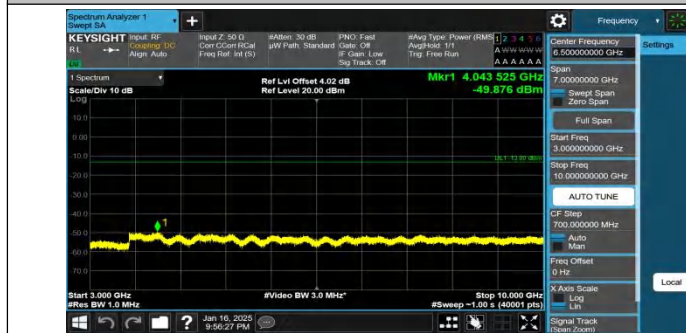
Band5-3MHz-QPSK-20635-1RB#0-0.15~30-PASS



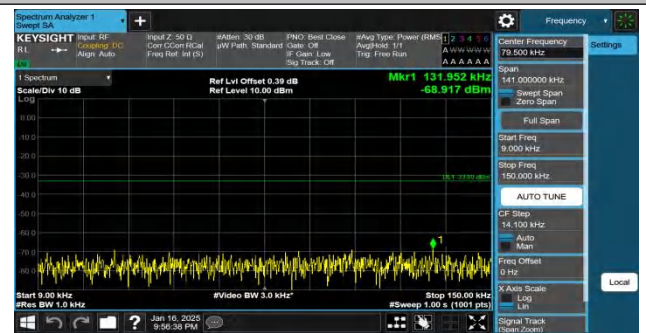
Band5-3MHz-QPSK-20635-1RB#0-30~1000-PASS



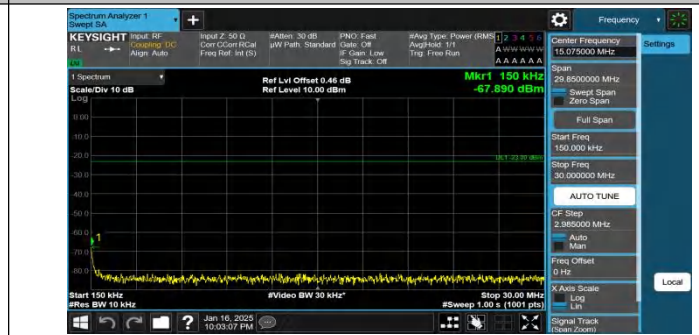
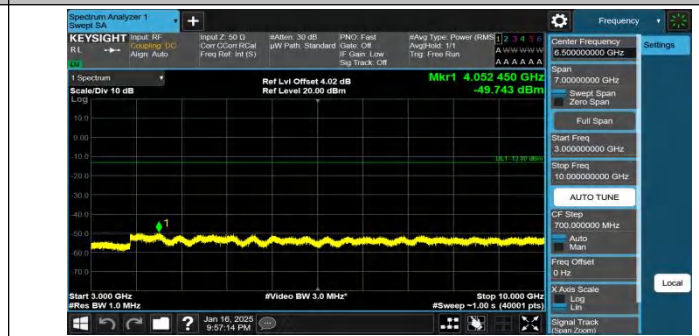
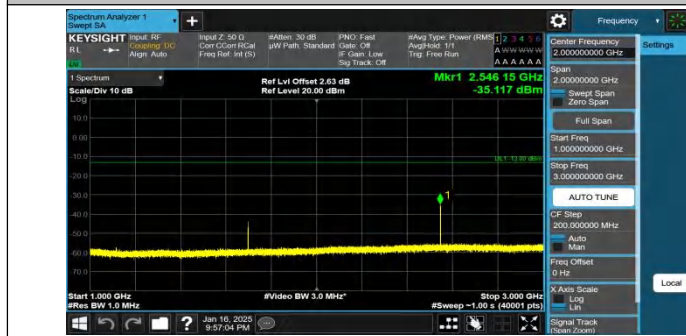
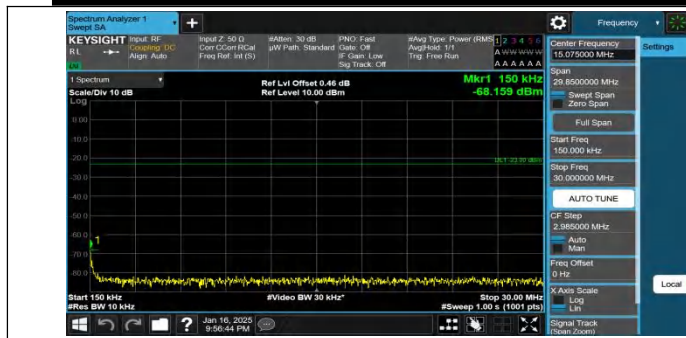
Band5-3MHz-QPSK-20635-1RB#0-1000~3000-PASS

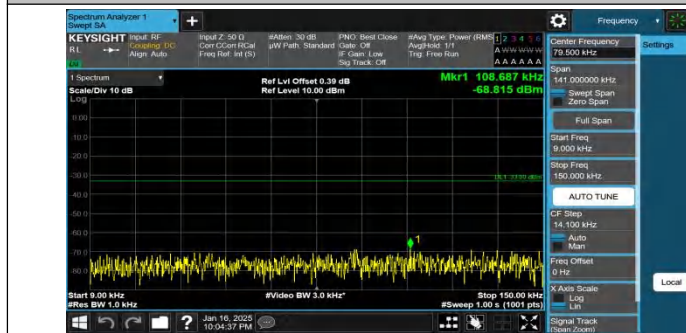
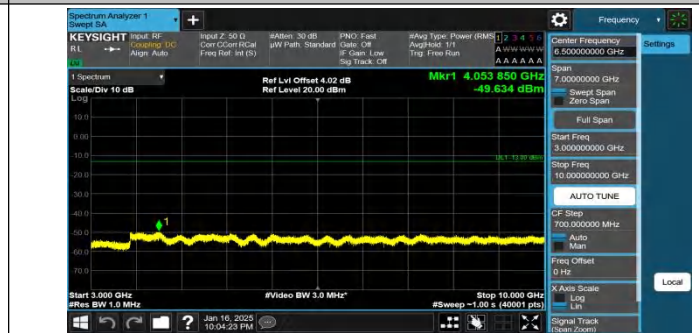
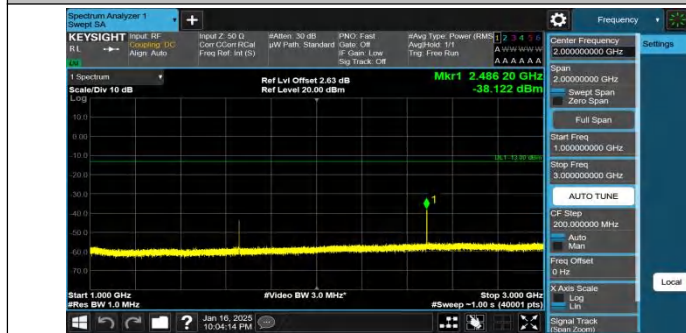
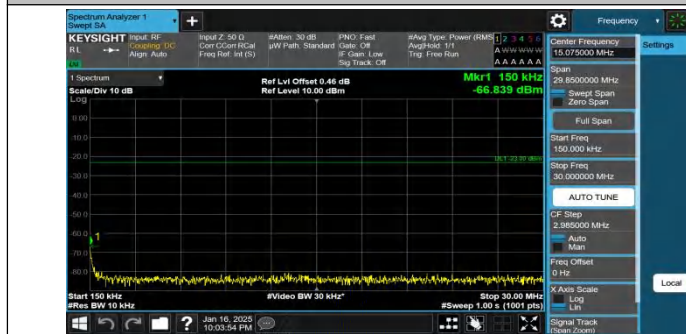
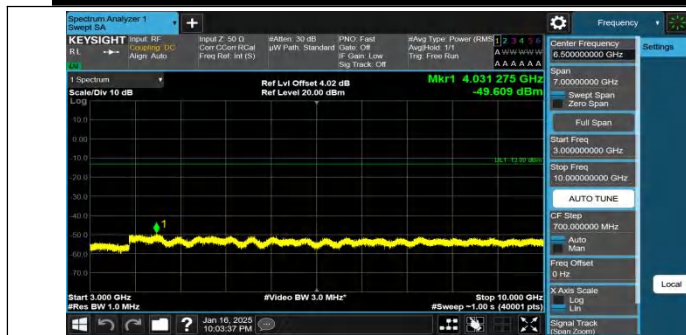


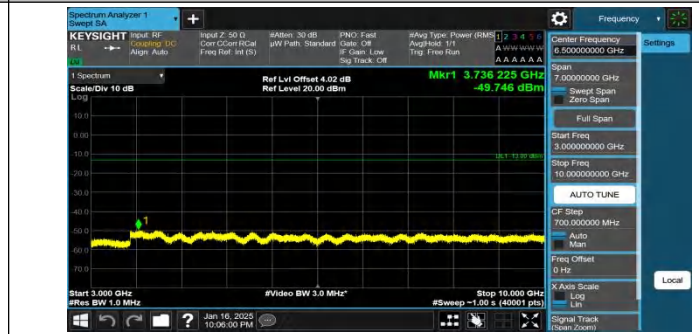
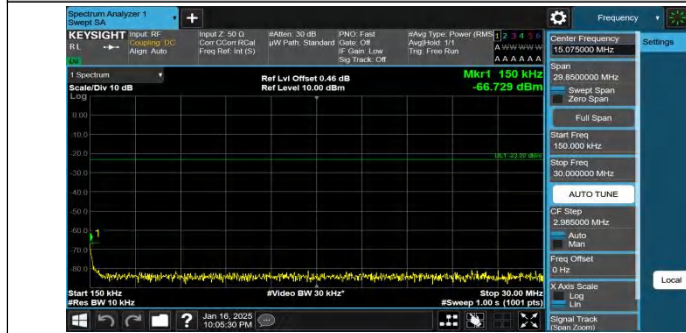
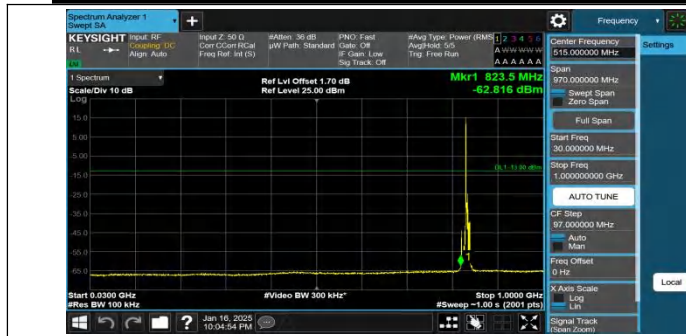
Band5-3MHz-QPSK-20635-1RB#0-3000~10000-PASS

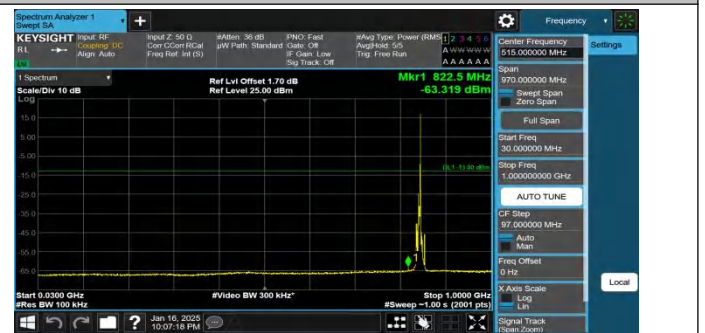
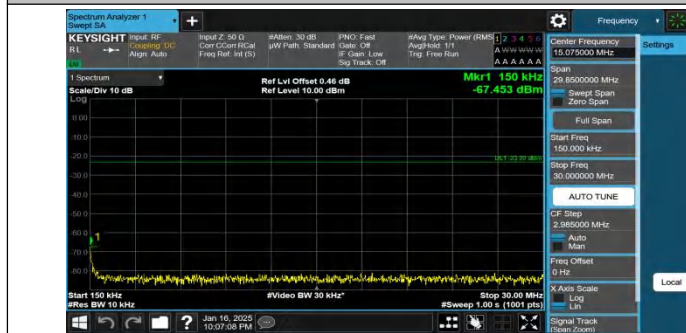
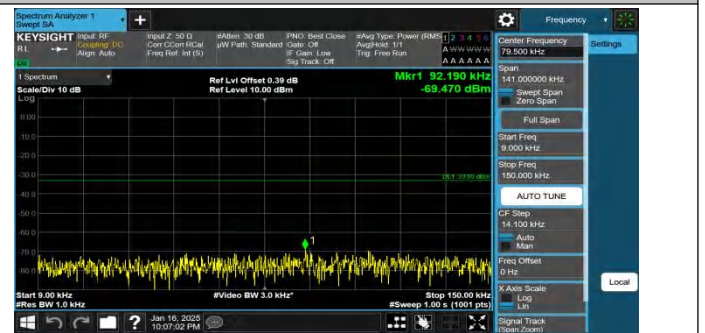
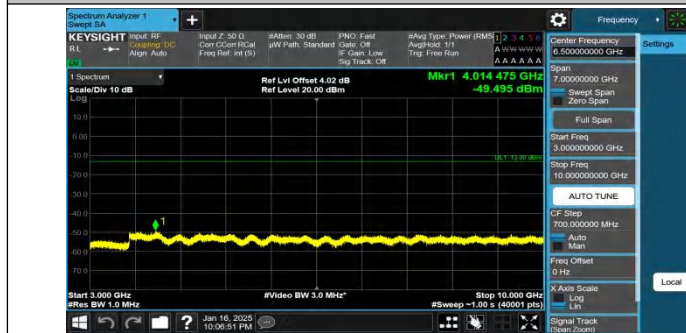
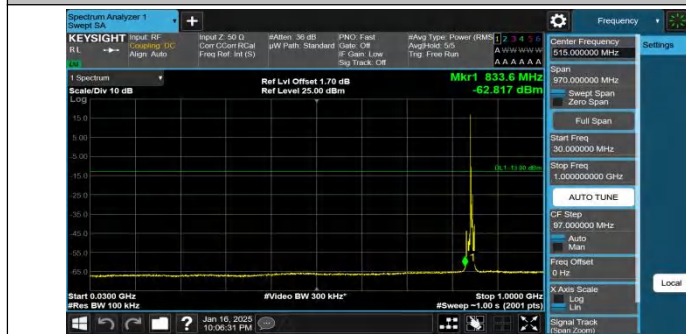


Band5-3MHz-QPSK-20635-1RB#14-0.009~0.15-PASS











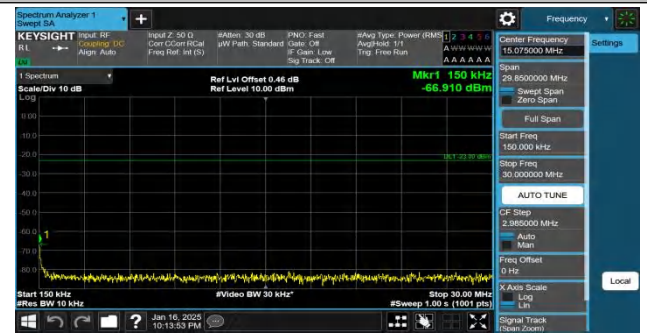
Band5-5MHz-QPSK-20625-1RB#24-1000~3000-PASS



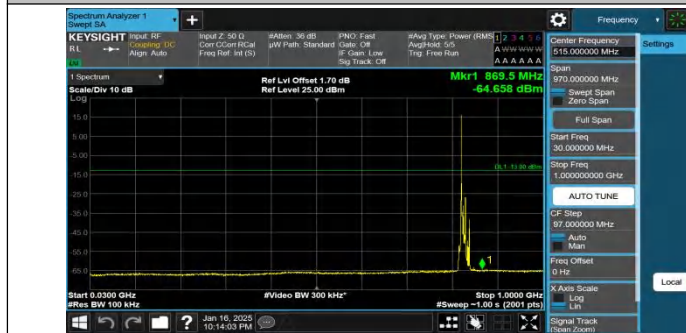
Band5-5MHz-QPSK-20625-1RB#24-3000~10000-PASS



Band5-10MHz-QPSK-20450-1RB#0-0.009~0.15-PASS



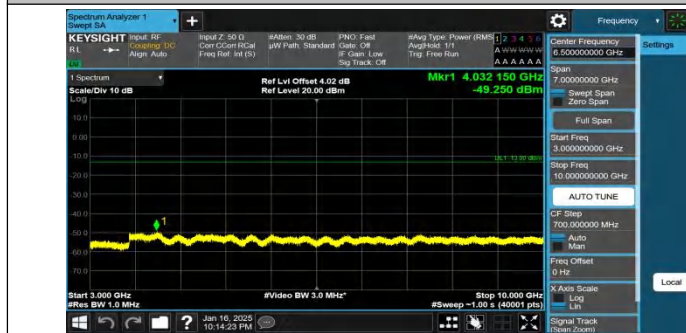
Band5-10MHz-QPSK-20450-1RB#0-0.15~30-PASS



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



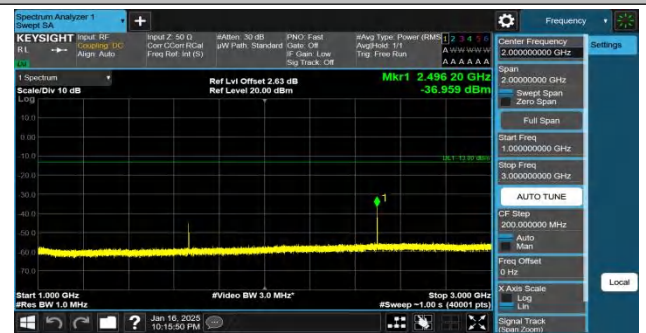
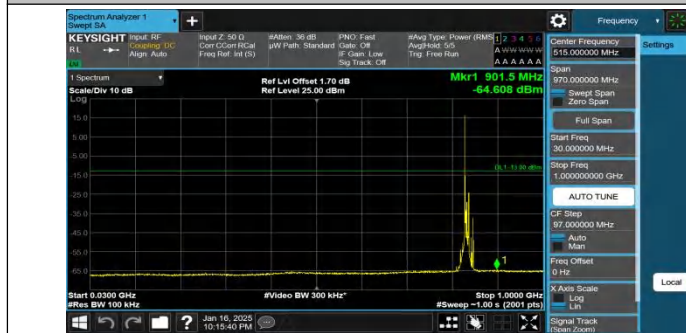
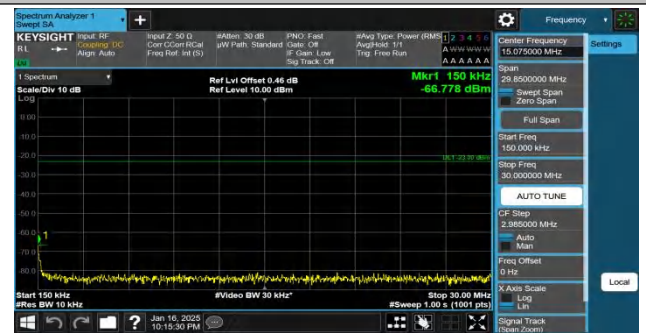
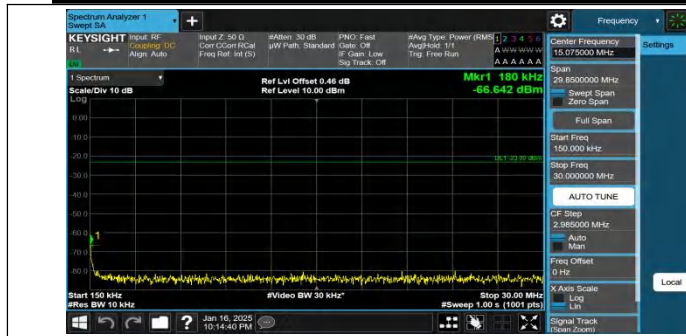
Band5-10MHz-QPSK-20450-1RB#0-1000~3000-PASS

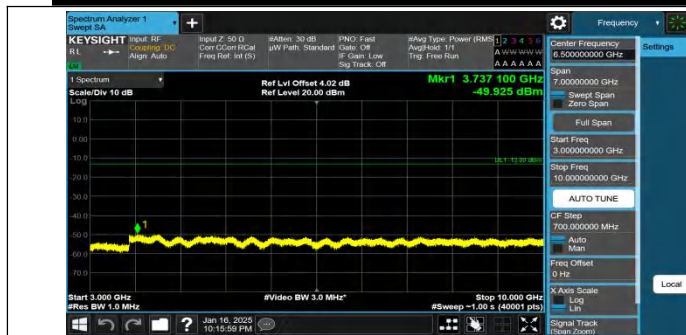


Band5-10MHz-QPSK-20450-1RB#0-3000~10000-PASS

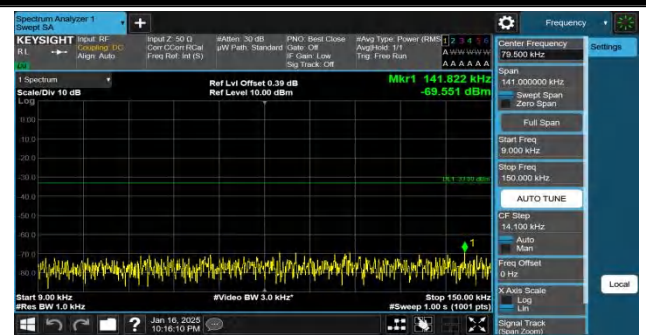


Band5-10MHz-QPSK-20450-1RB#49-0.009~0.15-PASS

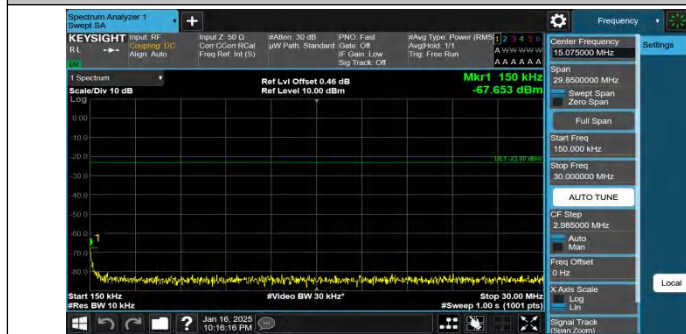




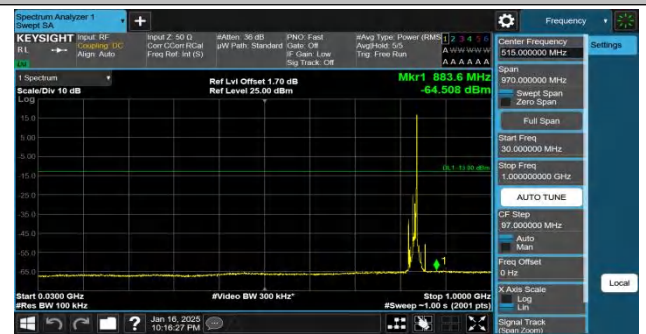
Band5-10MHz-QPSK-20525-1RB#0-3000~10000-PASS



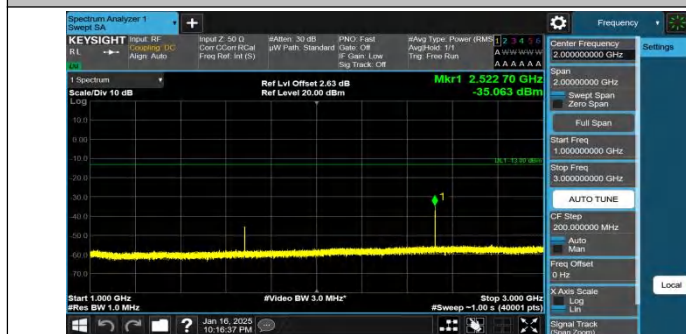
Band5-10MHz-QPSK-20525-1RB#49-0.009~0.15-PASS



Band5-10MHz-QPSK-20525-1RB#49-0.15~30-PASS



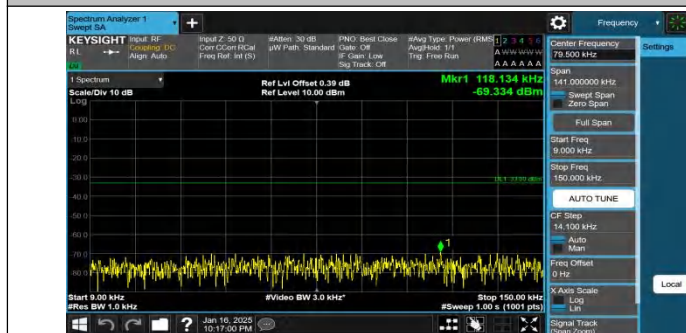
Band5-10MHz-QPSK-20525-1RB#49-30~1000-PASS



Band5-10MHz-QPSK-20525-1RB#49-1000~3000-PASS



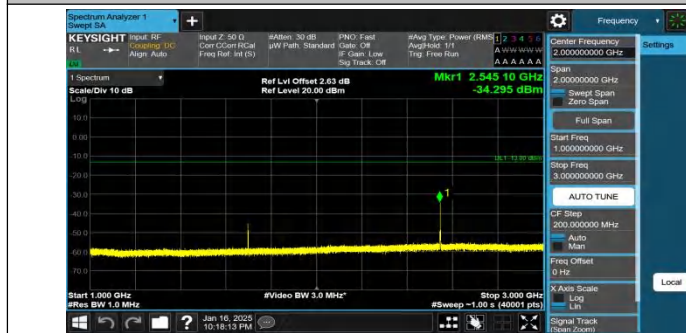
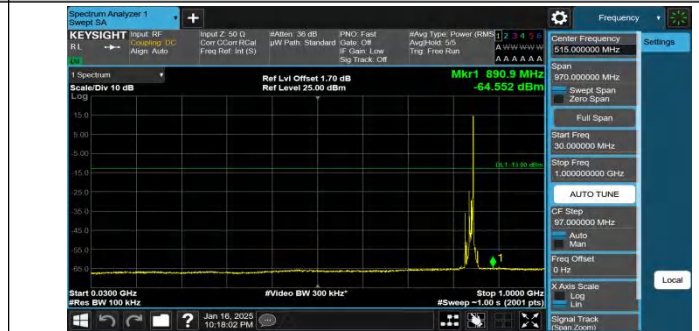
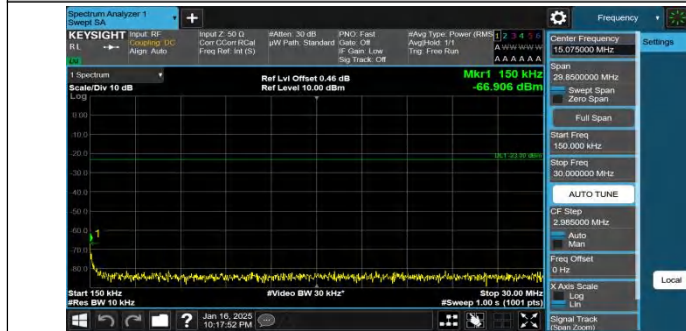
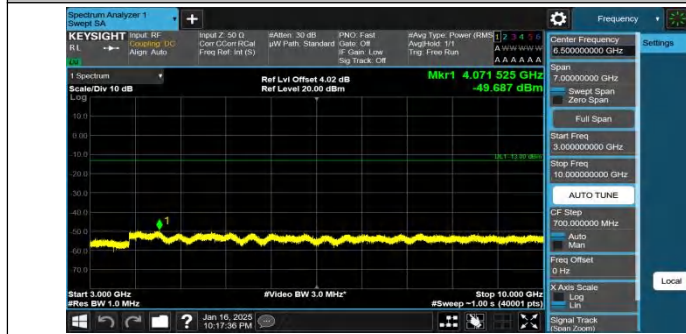
Band5-10MHz-QPSK-20525-1RB#49-3000~10000-PASS



Band5-10MHz-QPSK-20600-1RB#0-0.009~0.15-PASS



Band5-10MHz-QPSK-20600-1RB#0-0.15~30-PASS



## Frequency Stability

### Test Result

| Voltage |           |            |         |                  |               |                  |                |                 |             |          |          |             |         |
|---------|-----------|------------|---------|------------------|---------------|------------------|----------------|-----------------|-------------|----------|----------|-------------|---------|
| Band    | Bandwidth | Modulation | Channel | RB Configuration | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | FL (MHz) | FH (MHz) | Limit (MHz) | Verdict |
| Band 5  | 10MHz     | QPSK       | 20525   | 50RB#0           | VN            | NT               | 10.98          | 0.013126        | ±2.5        | ---      | ---      | ---         | PASS    |
| Band 5  | 10MHz     | QPSK       | 20525   | 50RB#0           | VL            | NT               | -21.96         | -0.026252       | ±2.5        | ---      | ---      | ---         | PASS    |
| Band 5  | 10MHz     | QPSK       | 20525   | 50RB#0           | VH            | NT               | -19.53         | -0.023347       | ±2.5        | ---      | ---      | ---         | PASS    |

| Temperature |           |            |         |                  |               |                  |                |                 |             |          |          |             |         |
|-------------|-----------|------------|---------|------------------|---------------|------------------|----------------|-----------------|-------------|----------|----------|-------------|---------|
| Band        | Bandwidth | Modulation | Channel | RB Configuration | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | FL (MHz) | FH (MHz) | Limit (MHz) | Verdict |
| Band 5      | 10MHz     | QPSK       | 20525   | 50RB#0           | NV            | -30              | -18.28         | -0.021853       | ±2.5        | ---      | ---      | ---         | PASS    |
| Band 5      | 10MHz     | QPSK       | 20525   | 50RB#0           | NV            | -20              | -15.58         | -0.018625       | ±2.5        | ---      | ---      | ---         | PASS    |
| Band 5      | 10MHz     | QPSK       | 20525   | 50RB#0           | NV            | -10              | -9.37          | -0.011201       | ±2.5        | ---      | ---      | ---         | PASS    |
| Band 5      | 10MHz     | QPSK       | 20525   | 50RB#0           | NV            | 0                | 7.82           | 0.009348        | ±2.5        | ---      | ---      | ---         | PASS    |
| Band 5      | 10MHz     | QPSK       | 20525   | 50RB#0           | NV            | 10               | -15.08         | -0.018027       | ±2.5        | ---      | ---      | ---         | PASS    |
| Band 5      | 10MHz     | QPSK       | 20525   | 50RB#0           | NV            | 20               | 7.67           | 0.009169        | ±2.5        | ---      | ---      | ---         | PASS    |
| Band 5      | 10MHz     | QPSK       | 20525   | 50RB#0           | NV            | 30               | -29.37         | -0.035111       | ±2.5        | ---      | ---      | ---         | PASS    |
| Band 5      | 10MHz     | QPSK       | 20525   | 50RB#0           | NV            | 40               | -29.17         | -0.034871       | ±2.5        | ---      | ---      | ---         | PASS    |
| Band 5      | 10MHz     | QPSK       | 20525   | 50RB#0           | NV            | 50               | -24.16         | -0.028882       | ±2.5        | ---      | ---      | ---         | PASS    |

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