

## Effective (Isotropic) Radiated Power Output Data

### Test Result

| Band  | Bandwidth | Modulation | Channel | RB Configuration | Result (dBm) | EIRP (dBm) | Limit (dBm) | Verdict |
|-------|-----------|------------|---------|------------------|--------------|------------|-------------|---------|
| Band4 | 1.4MHz    | QPSK       | 19957   | 1RB#0            | 24.12        | 26.12      | 30          | PASS    |
| Band4 | 1.4MHz    | QPSK       | 19957   | 6RB#0            | 23.00        | 25         | 30          | PASS    |
| Band4 | 1.4MHz    | QPSK       | 19957   | 1RB#2            | 23.97        | 25.97      | 30          | PASS    |
| Band4 | 1.4MHz    | QPSK       | 19957   | 1RB#5            | 23.91        | 25.91      | 30          | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20175   | 1RB#0            | 24.10        | 26.1       | 30          | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20175   | 6RB#0            | 23.09        | 25.09      | 30          | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20175   | 1RB#2            | 24.10        | 26.1       | 30          | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20175   | 1RB#5            | 24.07        | 26.07      | 30          | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20393   | 1RB#0            | 23.97        | 25.97      | 30          | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20393   | 6RB#0            | 23.07        | 25.07      | 30          | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20393   | 1RB#2            | 24.08        | 26.08      | 30          | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20393   | 1RB#5            | 24.20        | 26.2       | 30          | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 19957   | 1RB#0            | 22.99        | 24.99      | 30          | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 19957   | 6RB#0            | 21.96        | 23.96      | 30          | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 19957   | 1RB#2            | 22.96        | 24.96      | 30          | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 19957   | 1RB#5            | 23.03        | 25.03      | 30          | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20175   | 1RB#0            | 23.08        | 25.08      | 30          | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20175   | 6RB#0            | 21.96        | 23.96      | 30          | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20175   | 1RB#2            | 23.04        | 25.04      | 30          | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20175   | 1RB#5            | 23.01        | 25.01      | 30          | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20393   | 1RB#0            | 22.98        | 24.98      | 30          | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20393   | 6RB#0            | 22.09        | 24.09      | 30          | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20393   | 1RB#2            | 23.17        | 25.17      | 30          | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20393   | 1RB#5            | 23.12        | 25.12      | 30          | PASS    |
| Band4 | 3MHz      | QPSK       | 19965   | 1RB#0            | 23.81        | 25.81      | 30          | PASS    |
| Band4 | 3MHz      | QPSK       | 19965   | 15RB#0           | 22.92        | 24.92      | 30          | PASS    |
| Band4 | 3MHz      | QPSK       | 19965   | 1RB#8            | 24.00        | 26         | 30          | PASS    |
| Band4 | 3MHz      | QPSK       | 19965   | 1RB#14           | 23.78        | 25.78      | 30          | PASS    |
| Band4 | 3MHz      | QPSK       | 20175   | 1RB#0            | 24.10        | 26.1       | 30          | PASS    |
| Band4 | 3MHz      | QPSK       | 20175   | 15RB#0           | 23.17        | 25.17      | 30          | PASS    |
| Band4 | 3MHz      | QPSK       | 20175   | 1RB#8            | 24.17        | 26.17      | 30          | PASS    |
| Band4 | 3MHz      | QPSK       | 20175   | 1RB#14           | 24.03        | 26.03      | 30          | PASS    |
| Band4 | 3MHz      | QPSK       | 20385   | 1RB#0            | 23.80        | 25.8       | 30          | PASS    |
| Band4 | 3MHz      | QPSK       | 20385   | 15RB#0           | 22.99        | 24.99      | 30          | PASS    |
| Band4 | 3MHz      | QPSK       | 20385   | 1RB#8            | 24.13        | 26.13      | 30          | PASS    |
| Band4 | 3MHz      | QPSK       | 20385   | 1RB#14           | 24.00        | 26         | 30          | PASS    |

|       |       |       |       |        |       |       |    |      |
|-------|-------|-------|-------|--------|-------|-------|----|------|
| Band4 | 3MHz  | 16QAM | 19965 | 1RB#0  | 23.04 | 25.04 | 30 | PASS |
| Band4 | 3MHz  | 16QAM | 19965 | 15RB#0 | 21.97 | 23.97 | 30 | PASS |
| Band4 | 3MHz  | 16QAM | 19965 | 1RB#8  | 23.18 | 25.18 | 30 | PASS |
| Band4 | 3MHz  | 16QAM | 19965 | 1RB#14 | 22.97 | 24.97 | 30 | PASS |
| Band4 | 3MHz  | 16QAM | 20175 | 1RB#0  | 23.04 | 25.04 | 30 | PASS |
| Band4 | 3MHz  | 16QAM | 20175 | 15RB#0 | 22.09 | 24.09 | 30 | PASS |
| Band4 | 3MHz  | 16QAM | 20175 | 1RB#8  | 23.15 | 25.15 | 30 | PASS |
| Band4 | 3MHz  | 16QAM | 20175 | 1RB#14 | 23.00 | 25    | 30 | PASS |
| Band4 | 3MHz  | 16QAM | 20385 | 1RB#0  | 23.09 | 25.09 | 30 | PASS |
| Band4 | 3MHz  | 16QAM | 20385 | 15RB#0 | 22.09 | 24.09 | 30 | PASS |
| Band4 | 3MHz  | 16QAM | 20385 | 1RB#8  | 23.19 | 25.19 | 30 | PASS |
| Band4 | 3MHz  | 16QAM | 20385 | 1RB#14 | 23.07 | 25.07 | 30 | PASS |
| Band4 | 5MHz  | QPSK  | 19975 | 1RB#0  | 24.05 | 26.05 | 30 | PASS |
| Band4 | 5MHz  | QPSK  | 19975 | 25RB#0 | 22.95 | 24.95 | 30 | PASS |
| Band4 | 5MHz  | QPSK  | 19975 | 1RB#12 | 23.99 | 25.99 | 30 | PASS |
| Band4 | 5MHz  | QPSK  | 19975 | 1RB#24 | 23.89 | 25.89 | 30 | PASS |
| Band4 | 5MHz  | QPSK  | 20175 | 1RB#0  | 24.25 | 26.25 | 30 | PASS |
| Band4 | 5MHz  | QPSK  | 20175 | 25RB#0 | 23.24 | 25.24 | 30 | PASS |
| Band4 | 5MHz  | QPSK  | 20175 | 1RB#12 | 24.23 | 26.23 | 30 | PASS |
| Band4 | 5MHz  | QPSK  | 20175 | 1RB#24 | 24.23 | 26.23 | 30 | PASS |
| Band4 | 5MHz  | QPSK  | 20375 | 1RB#0  | 24.31 | 26.31 | 30 | PASS |
| Band4 | 5MHz  | QPSK  | 20375 | 25RB#0 | 23.16 | 25.16 | 30 | PASS |
| Band4 | 5MHz  | QPSK  | 20375 | 1RB#12 | 24.24 | 26.24 | 30 | PASS |
| Band4 | 5MHz  | QPSK  | 20375 | 1RB#24 | 24.24 | 26.24 | 30 | PASS |
| Band4 | 5MHz  | 16QAM | 19975 | 1RB#0  | 22.75 | 24.75 | 30 | PASS |
| Band4 | 5MHz  | 16QAM | 19975 | 25RB#0 | 21.99 | 23.99 | 30 | PASS |
| Band4 | 5MHz  | 16QAM | 19975 | 1RB#12 | 22.71 | 24.71 | 30 | PASS |
| Band4 | 5MHz  | 16QAM | 19975 | 1RB#24 | 22.60 | 24.6  | 30 | PASS |
| Band4 | 5MHz  | 16QAM | 20175 | 1RB#0  | 23.42 | 25.42 | 30 | PASS |
| Band4 | 5MHz  | 16QAM | 20175 | 25RB#0 | 22.11 | 24.11 | 30 | PASS |
| Band4 | 5MHz  | 16QAM | 20175 | 1RB#12 | 23.38 | 25.38 | 30 | PASS |
| Band4 | 5MHz  | 16QAM | 20175 | 1RB#24 | 23.39 | 25.39 | 30 | PASS |
| Band4 | 5MHz  | 16QAM | 20375 | 1RB#0  | 22.96 | 24.96 | 30 | PASS |
| Band4 | 5MHz  | 16QAM | 20375 | 25RB#0 | 22.23 | 24.23 | 30 | PASS |
| Band4 | 5MHz  | 16QAM | 20375 | 1RB#12 | 22.87 | 24.87 | 30 | PASS |
| Band4 | 5MHz  | 16QAM | 20375 | 1RB#24 | 22.90 | 24.9  | 30 | PASS |
| Band4 | 10MHz | QPSK  | 20000 | 1RB#0  | 24.15 | 26.15 | 30 | PASS |
| Band4 | 10MHz | QPSK  | 20000 | 50RB#0 | 23.06 | 25.06 | 30 | PASS |
| Band4 | 10MHz | QPSK  | 20000 | 1RB#24 | 24.01 | 26.01 | 30 | PASS |
| Band4 | 10MHz | QPSK  | 20000 | 1RB#49 | 24.02 | 26.02 | 30 | PASS |
| Band4 | 10MHz | QPSK  | 20175 | 1RB#0  | 24.28 | 26.28 | 30 | PASS |

|       |       |       |       |        |       |       |    |      |
|-------|-------|-------|-------|--------|-------|-------|----|------|
| Band4 | 10MHz | QPSK  | 20175 | 50RB#0 | 23.30 | 25.3  | 30 | PASS |
| Band4 | 10MHz | QPSK  | 20175 | 1RB#24 | 24.24 | 26.24 | 30 | PASS |
| Band4 | 10MHz | QPSK  | 20175 | 1RB#49 | 24.31 | 26.31 | 30 | PASS |
| Band4 | 10MHz | QPSK  | 20350 | 1RB#0  | 24.14 | 26.14 | 30 | PASS |
| Band4 | 10MHz | QPSK  | 20350 | 50RB#0 | 23.23 | 25.23 | 30 | PASS |
| Band4 | 10MHz | QPSK  | 20350 | 1RB#24 | 24.20 | 26.2  | 30 | PASS |
| Band4 | 10MHz | QPSK  | 20350 | 1RB#49 | 24.19 | 26.19 | 30 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 27RB#0 | 22.03 | 24.03 | 30 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 27RB#0 | 22.14 | 24.14 | 30 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 27RB#0 | 22.02 | 24.02 | 30 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 1RB#0  | 23.29 | 25.29 | 30 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 1RB#24 | 23.18 | 25.18 | 30 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 1RB#49 | 23.19 | 25.19 | 30 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 1RB#0  | 23.25 | 25.25 | 30 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 1RB#24 | 23.16 | 25.16 | 30 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 1RB#49 | 23.24 | 25.24 | 30 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 1RB#0  | 23.23 | 25.23 | 30 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 1RB#24 | 23.13 | 25.13 | 30 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 1RB#49 | 23.14 | 25.14 | 30 | PASS |
| Band4 | 15MHz | QPSK  | 20025 | 1RB#0  | 24.16 | 26.16 | 30 | PASS |
| Band4 | 15MHz | QPSK  | 20025 | 75RB#0 | 23.18 | 25.18 | 30 | PASS |
| Band4 | 15MHz | QPSK  | 20025 | 1RB#38 | 24.05 | 26.05 | 30 | PASS |
| Band4 | 15MHz | QPSK  | 20025 | 1RB#74 | 24.08 | 26.08 | 30 | PASS |
| Band4 | 15MHz | QPSK  | 20175 | 1RB#0  | 24.30 | 26.3  | 30 | PASS |
| Band4 | 15MHz | QPSK  | 20175 | 75RB#0 | 23.29 | 25.29 | 30 | PASS |
| Band4 | 15MHz | QPSK  | 20175 | 1RB#38 | 24.35 | 26.35 | 30 | PASS |
| Band4 | 15MHz | QPSK  | 20175 | 1RB#74 | 24.40 | 26.4  | 30 | PASS |
| Band4 | 15MHz | QPSK  | 20325 | 1RB#0  | 23.96 | 25.96 | 30 | PASS |
| Band4 | 15MHz | QPSK  | 20325 | 75RB#0 | 23.20 | 25.2  | 30 | PASS |
| Band4 | 15MHz | QPSK  | 20325 | 1RB#38 | 24.04 | 26.04 | 30 | PASS |
| Band4 | 15MHz | QPSK  | 20325 | 1RB#74 | 23.99 | 25.99 | 30 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 27RB#0 | 22.29 | 24.29 | 30 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 27RB#0 | 22.38 | 24.38 | 30 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 27RB#0 | 22.33 | 24.33 | 30 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 1RB#0  | 23.30 | 25.3  | 30 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 1RB#38 | 23.22 | 25.22 | 30 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 1RB#74 | 23.24 | 25.24 | 30 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 1RB#0  | 23.27 | 25.27 | 30 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 1RB#38 | 23.28 | 25.28 | 30 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 1RB#74 | 23.35 | 25.35 | 30 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 1RB#0  | 23.17 | 25.17 | 30 | PASS |

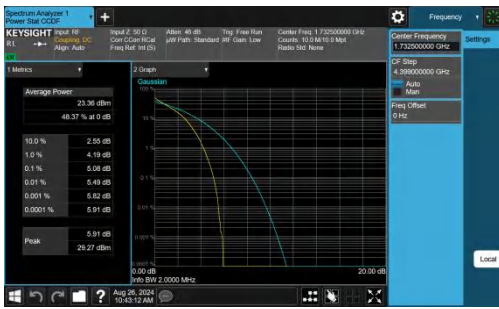
|       |       |       |       |         |       |       |    |      |
|-------|-------|-------|-------|---------|-------|-------|----|------|
| Band4 | 15MHz | 16QAM | 20325 | 1RB#38  | 23.08 | 25.08 | 30 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 1RB#74  | 23.03 | 25.03 | 30 | PASS |
| Band4 | 20MHz | QPSK  | 20050 | 1RB#0   | 24.17 | 26.17 | 30 | PASS |
| Band4 | 20MHz | QPSK  | 20050 | 100RB#0 | 23.21 | 25.21 | 30 | PASS |
| Band4 | 20MHz | QPSK  | 20050 | 1RB#49  | 24.13 | 26.13 | 30 | PASS |
| Band4 | 20MHz | QPSK  | 20050 | 1RB#99  | 24.21 | 26.21 | 30 | PASS |
| Band4 | 20MHz | QPSK  | 20175 | 1RB#0   | 24.24 | 26.24 | 30 | PASS |
| Band4 | 20MHz | QPSK  | 20175 | 100RB#0 | 23.32 | 25.32 | 30 | PASS |
| Band4 | 20MHz | QPSK  | 20175 | 1RB#49  | 24.31 | 26.31 | 30 | PASS |
| Band4 | 20MHz | QPSK  | 20175 | 1RB#99  | 24.34 | 26.34 | 30 | PASS |
| Band4 | 20MHz | QPSK  | 20300 | 1RB#0   | 24.17 | 26.17 | 30 | PASS |
| Band4 | 20MHz | QPSK  | 20300 | 100RB#0 | 23.24 | 25.24 | 30 | PASS |
| Band4 | 20MHz | QPSK  | 20300 | 1RB#49  | 24.25 | 26.25 | 30 | PASS |
| Band4 | 20MHz | QPSK  | 20300 | 1RB#99  | 24.10 | 26.1  | 30 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 27RB#0  | 22.27 | 24.27 | 30 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 27RB#0  | 22.29 | 24.29 | 30 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 27RB#0  | 22.35 | 24.35 | 30 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 1RB#0   | 23.11 | 25.11 | 30 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 1RB#49  | 23.08 | 25.08 | 30 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 1RB#99  | 23.18 | 25.18 | 30 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 1RB#0   | 23.61 | 25.61 | 30 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 1RB#49  | 23.64 | 25.64 | 30 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 1RB#99  | 23.68 | 25.68 | 30 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 1RB#0   | 23.43 | 25.43 | 30 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 1RB#49  | 23.46 | 25.46 | 30 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 1RB#99  | 23.28 | 25.28 | 30 | PASS |

## Peak-to-Average Ratio(CCDF)

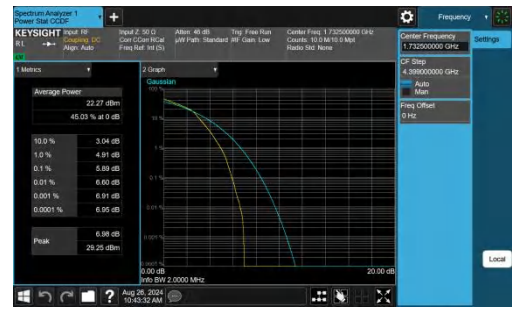
### Test Result

| Band  | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|-------|-----------|------------|---------|------------------|------------|-----------|---------|
| Band4 | 1.4MHz    | QPSK       | 20175   | 6RB#0            | 5.08       | 13        | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20175   | 6RB#0            | 5.89       | 13        | PASS    |
| Band4 | 3MHz      | QPSK       | 20175   | 15RB#0           | 5.25       | 13        | PASS    |
| Band4 | 3MHz      | 16QAM      | 20175   | 15RB#0           | 6.04       | 13        | PASS    |
| Band4 | 5MHz      | QPSK       | 20175   | 25RB#0           | 5.29       | 13        | PASS    |
| Band4 | 5MHz      | 16QAM      | 20175   | 25RB#0           | 5.99       | 13        | PASS    |
| Band4 | 10MHz     | QPSK       | 20175   | 50RB#0           | 5.18       | 13        | PASS    |
| Band4 | 10MHz     | 16QAM      | 20175   | 27RB#0           | 5.86       | 13        | PASS    |
| Band4 | 15MHz     | QPSK       | 20175   | 75RB#0           | 5.46       | 13        | PASS    |
| Band4 | 15MHz     | 16QAM      | 20175   | 27RB#0           | 5.86       | 13        | PASS    |
| Band4 | 20MHz     | QPSK       | 20175   | 100RB#0          | 5.21       | 13        | PASS    |
| Band4 | 20MHz     | 16QAM      | 20175   | 27RB#0           | 5.91       | 13        | PASS    |

# Test Graphs



Band4-1.4MHz-QPSK-20175-6RB#0-PASS



Band4-1.4MHz-16QAM-20175-6RB#0-PASS



Band4-3MHz-QPSK-20175-15RB#0-PASS



Band4-3MHz-16QAM-20175-15RB#0-PASS



Band4-5MHz-QPSK-20175-25RB#0-PASS



Band4-5MHz-16QAM-20175-25RB#0-PASS



Band4-10MHz-QPSK-20175-50RB#0-PASS



Band4-10MHz-16QAM-20175-27RB#0-PASS



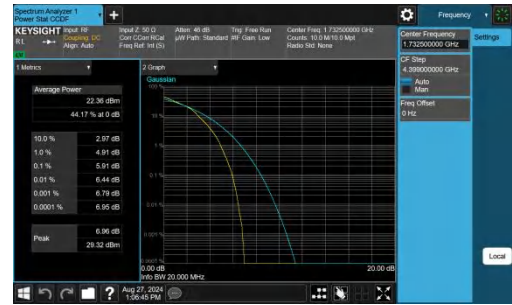
Band4-15MHz-QPSK-20175-75RB#0-PASS



Band4-15MHz-16QAM-20175-27RB#0-PASS



Band4-20MHz-QPSK-20175-100RB#0-PASS



Band4-20MHz-16QAM-20175-27RB#0-PASS

## 26dB Bandwidth and Occupied Bandwidth

### Test Result

| Band  | Bandwidth | Modulation | Channel | RB Configuration | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|-------|-----------|------------|---------|------------------|--------------------------|----------------------|---------|
| Band4 | 1.4MHz    | QPSK       | 20175   | 6RB#0            | 1.0953                   | 1.289                | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20175   | 6RB#0            | 1.0949                   | 1.286                | PASS    |
| Band4 | 3MHz      | QPSK       | 20175   | 15RB#0           | 2.6956                   | 2.952                | PASS    |
| Band4 | 3MHz      | 16QAM      | 20175   | 15RB#0           | 2.6920                   | 2.934                | PASS    |
| Band4 | 5MHz      | QPSK       | 20175   | 25RB#0           | 4.5172                   | 5.155                | PASS    |
| Band4 | 5MHz      | 16QAM      | 20175   | 25RB#0           | 4.5128                   | 5.334                | PASS    |
| Band4 | 10MHz     | QPSK       | 20175   | 50RB#0           | 8.9974                   | 10.21                | PASS    |
| Band4 | 10MHz     | 16QAM      | 20175   | 27RB#0           | 5.0278                   | 6.110                | PASS    |
| Band4 | 15MHz     | QPSK       | 20175   | 75RB#0           | 13.509                   | 15.33                | PASS    |
| Band4 | 15MHz     | 16QAM      | 20175   | 27RB#0           | 5.1737                   | 6.828                | PASS    |
| Band4 | 20MHz     | QPSK       | 20175   | 100RB#0          | 17.990                   | 20.09                | PASS    |
| Band4 | 20MHz     | 16QAM      | 20175   | 27RB#0           | 5.4286                   | 7.136                | PASS    |

## Test Graphs



Band4-1.4MHz-QPSK-20175-6RB#0-PASS



Band4-1.4MHz-16QAM-20175-6RB#0-PASS



Band4-3MHz-QPSK-20175-15RB#0-PASS



Band4-3MHz-16QAM-20175-15RB#0-PASS



Band4-5MHz-QPSK-20175-25RB#0-PASS



Band4-5MHz-16QAM-20175-25RB#0-PASS



Band4-10MHz-QPSK-20175-50RB#0-PASS



Band4-10MHz-16QAM-20175-27RB#0-PASS



Band4-15MHz-QPSK-20175-75RB#0-PASS



Band4-15MHz-16QAM-20175-27RB#0-PASS



Band4-20MHz-QPSK-20175-100RB#0-PASS



Band4-20MHz-16QAM-20175-27RB#0-PASS

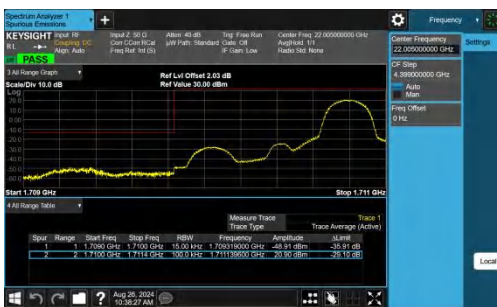
# Band Edge

## Test Graphs



Band4-1.4MHz-QPSK-19957-1RB#0-PASS

Band4-1.4MHz-QPSK-19957-6RB#0-PASS



Band4-1.4MHz-QPSK-19957-1RB#5-PASS

Band4-1.4MHz-QPSK-20393-1RB#0-PASS



Band4-1.4MHz-QPSK-20393-6RB#0-PASS

Band4-1.4MHz-QPSK-20393-1RB#5-PASS



Band4-3MHz-QPSK-19965-1RB#0-PASS

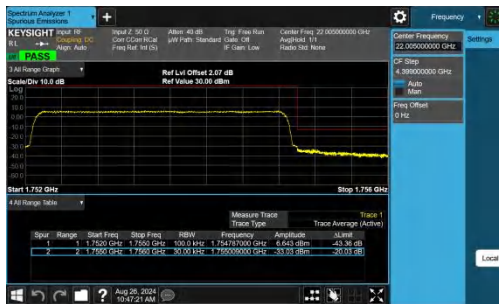
Band4-3MHz-QPSK-19965-15RB#0-PASS



Band4-3MHz-QPSK-19965-1RB#14-PASS



Band4-3MHz-QPSK-20385-1RB#0-PASS



Band4-3MHz-QPSK-20385-15RB#0-PASS



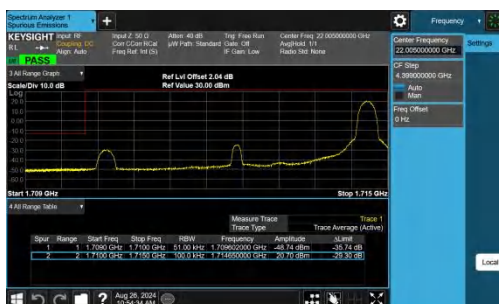
Band4-3MHz-QPSK-20385-1RB#14-PASS



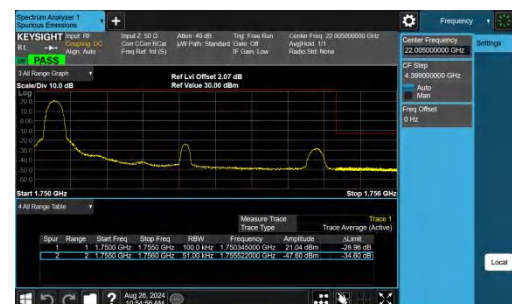
Band4-5MHz-QPSK-19975-1RB#0-PASS



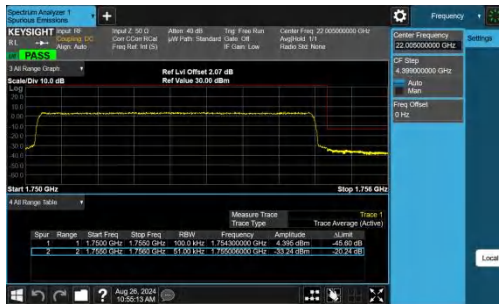
Band4-5MHz-QPSK-19975-25RB#0-PASS



Band4-5MHz-QPSK-19975-1RB#24-PASS



Band4-5MHz-QPSK-20375-1RB#0-PASS



Band4-5MHz-QPSK-20375-25RB#0-PASS



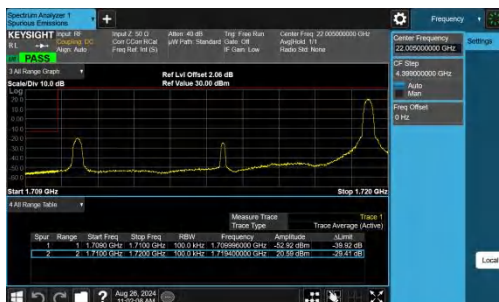
Band4-5MHz-QPSK-20375-1RB#24-PASS



Band4-10MHz-QPSK-20000-1RB#0-PASS



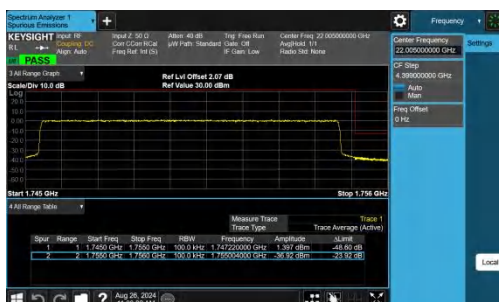
Band4-10MHz-QPSK-20000-50RB#0-PASS



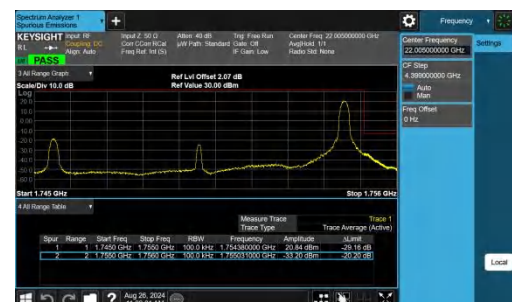
Band4-10MHz-QPSK-20000-1RB#49-PASS



Band4-10MHz-QPSK-20350-1RB#0-PASS



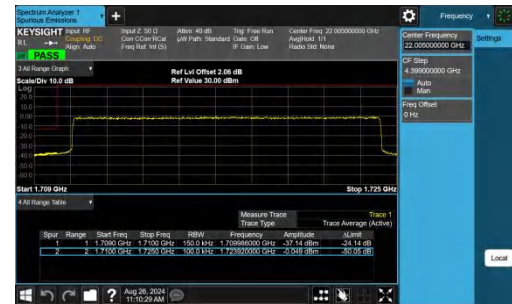
Band4-10MHz-QPSK-20350-50RB#0-PASS



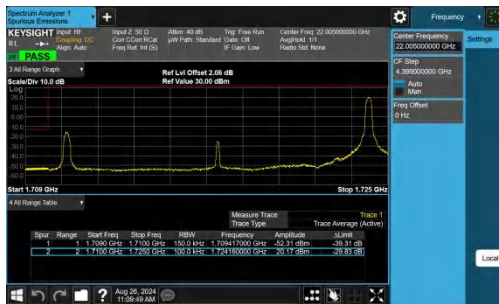
Band4-10MHz-QPSK-20350-1RB#49-PASS



Band4-15MHz-QPSK-20025-1RB#0-PASS



Band4-15MHz-QPSK-20025-75RB#0-PASS



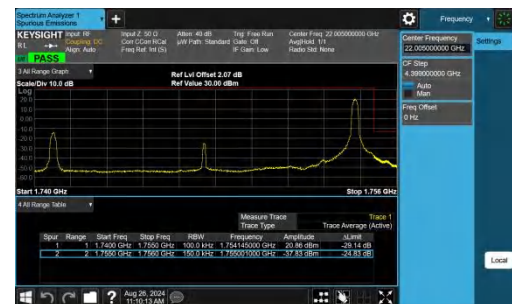
Band4-15MHz-QPSK-20025-1RB#74-PASS



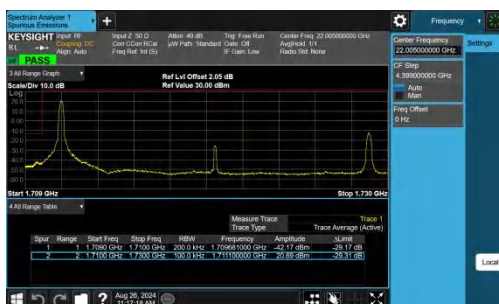
Band4-15MHz-QPSK-20325-1RB#0-PASS



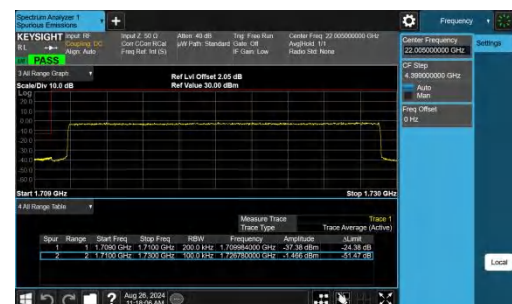
Band4-15MHz-QPSK-20325-75RB#0-PASS



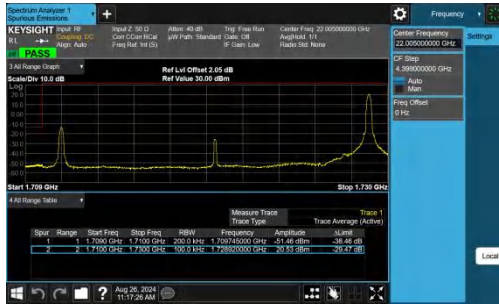
Band4-15MHz-QPSK-20325-1RB#74-PASS



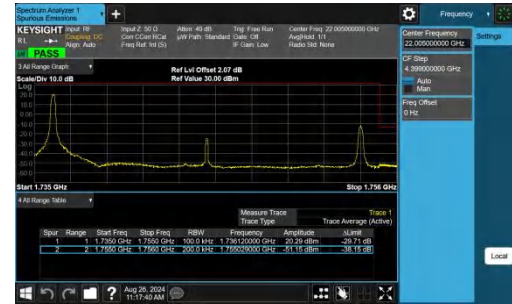
Band4-20MHz-QPSK-20050-1RB#0-PASS



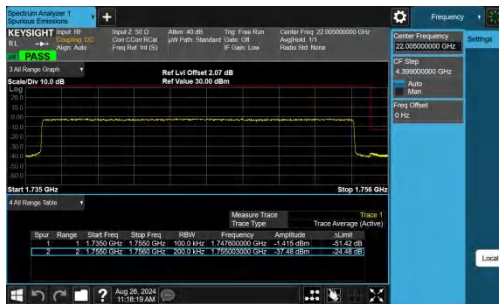
Band4-20MHz-QPSK-20050-100RB#0-PASS



Band4-20MHz-QPSK-20050-1RB#99-PASS



Band4-20MHz-QPSK-20300-1RB#0-PASS



Band4-20MHz-QPSK-20300-100RB#0-PASS



Band4-20MHz-QPSK-20300-1RB#99-PASS

# Conducted Spurious Emission

## Test Graphs



Band4-1.4MHz-QPSK-19957-1RB#0-0.009~0.15-PASS



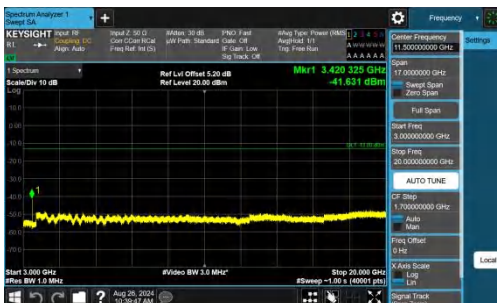
Band4-1.4MHz-QPSK-19957-1RB#0-0.15~30-PASS



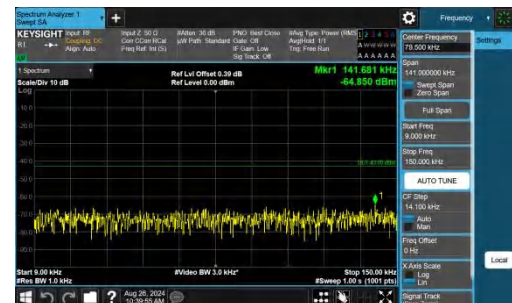
Band4-1.4MHz-QPSK-19957-1RB#0-30~1000-PASS



Band4-1.4MHz-QPSK-19957-1RB#0-1000~3000-PASS



Band4-1.4MHz-QPSK-19957-1RB#0-3000~20000-PASS



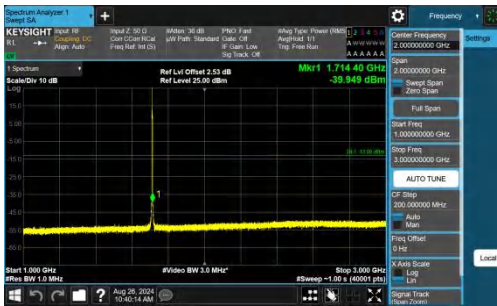
Band4-1.4MHz-QPSK-19957-1RB#5-0.009~0.15-PASS



Band4-1.4MHz-QPSK-19957-1RB#5-0.15~30-PASS



Band4-1.4MHz-QPSK-19957-1RB#5-30~1000-PASS



Band4-1.4MHz-QPSK-19957-1RB#5-1000~3000-PASS



Band4-1.4MHz-QPSK-19957-1RB#5-3000~20000-PASS



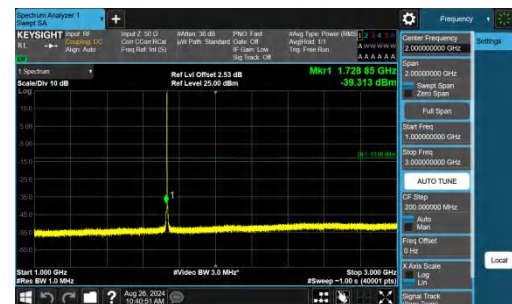
Band4-1.4MHz-QPSK-20175-1RB#0-0.009~0.15-PASS



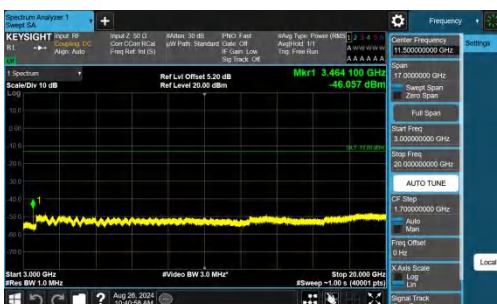
Band4-1.4MHz-QPSK-20175-1RB#0-0.15~30-PASS



Band4-1.4MHz-QPSK-20175-1RB#0-30~1000-PASS



Band4-1.4MHz-QPSK-20175-1RB#0-1000~3000-PASS



Band4-1.4MHz-QPSK-20175-1RB#0-3000~20000-PASS



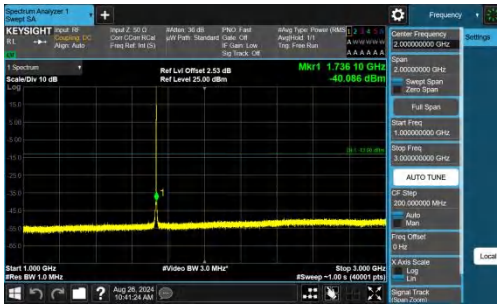
Band4-1.4MHz-QPSK-20175-1RB#5-0.009~0.15-PASS



Band4-1.4MHz-QPSK-20175-1RB#5-0.15~30-PASS



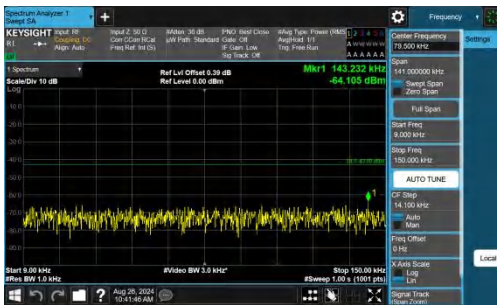
Band4-1.4MHz-QPSK-20175-1RB#5-30~1000-PASS



Band4-1.4MHz-QPSK-20175-1RB#5-1000~3000-PASS



Band4-1.4MHz-QPSK-20175-1RB#5-3000~20000-PASS



Band4-1.4MHz-QPSK-20393-1RB#0-0.009~0.15-PASS



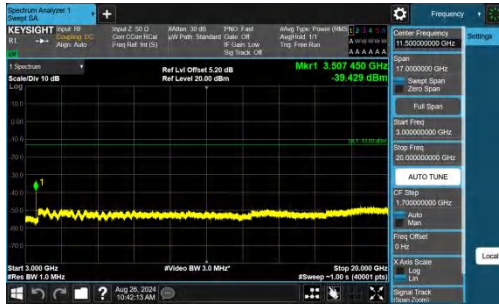
Band4-1.4MHz-QPSK-20393-1RB#0-0.15~30-PASS



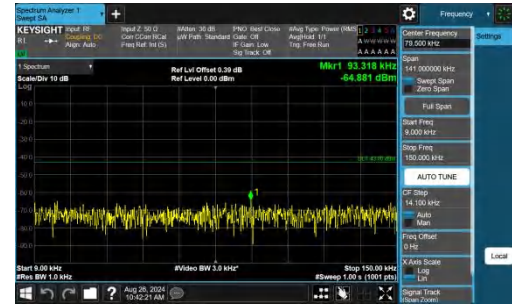
Band4-1.4MHz-QPSK-20393-1RB#0-30~1000-PASS



Band4-1.4MHz-QPSK-20393-1RB#0-1000~3000-PASS



Band4-1.4MHz-QPSK-20393-1RB#0-3000~20000-PASS



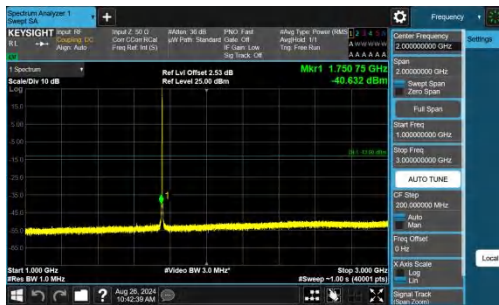
Band4-1.4MHz-QPSK-20393-1RB#5-0.009~0.15-PASS



Band4-1.4MHz-QPSK-20393-1RB#5-0.15~30-PASS



Band4-1.4MHz-QPSK-20393-1RB#5-30~1000-PASS



Band4-1.4MHz-QPSK-20393-1RB#5-1000~3000-PASS



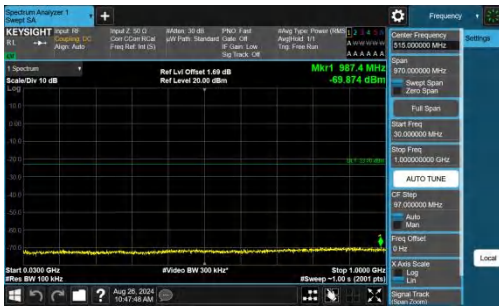
Band4-1.4MHz-QPSK-20393-1RB#5-3000~20000-PASS



Band4-3MHz-QPSK-19965-1RB#0-0.009~0.15-PASS



Band4-3MHz-QPSK-19965-1RB#0-0.15~30-PASS



Band4-3MHz-QPSK-19965-1RB#0-30~1000-PASS



Band4-3MHz-QPSK-19965-1RB#0-1000~3000-PASS



Band4-3MHz-QPSK-19965-1RB#0-3000~20000-PASS



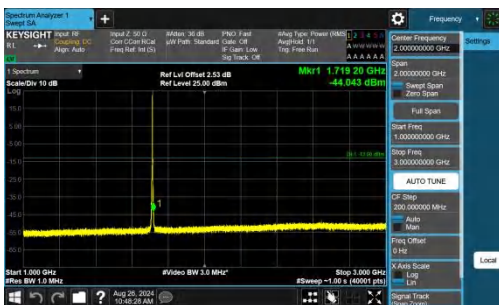
Band4-3MHz-QPSK-19965-1RB#14-0.009~0.15-PASS



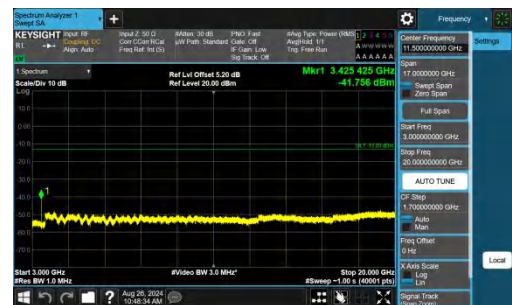
Band4-3MHz-QPSK-19965-1RB#14-0.15~30-PASS



Band4-3MHz-QPSK-19965-1RB#14-30~1000-PASS



Band4-3MHz-QPSK-19965-1RB#14-1000~3000-PASS



Band4-3MHz-QPSK-19965-1RB#14-3000~20000-PASS



Band4-3MHz-QPSK-20175-1RB#0-0.009~0.15-PASS



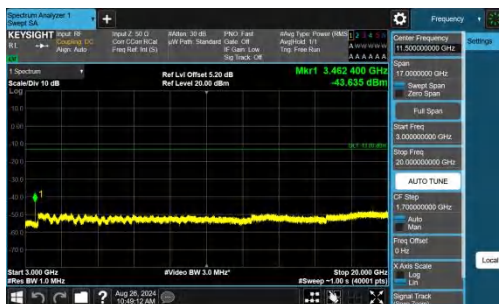
Band4-3MHz-QPSK-20175-1RB#0-0.15~30-PASS



Band4-3MHz-QPSK-20175-1RB#0-30~1000-PASS



Band4-3MHz-QPSK-20175-1RB#0-1000~3000-PASS



Band4-3MHz-QPSK-20175-1RB#0-3000~20000-PASS



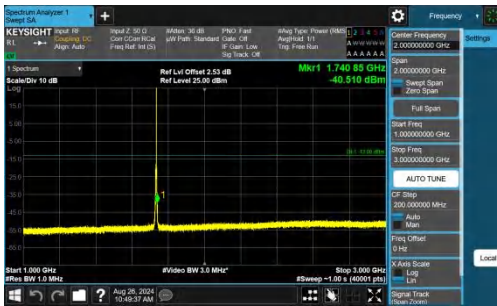
Band4-3MHz-QPSK-20175-1RB#14-0.009~0.15-PASS



Band4-3MHz-QPSK-20175-1RB#14-0.15~30-PASS



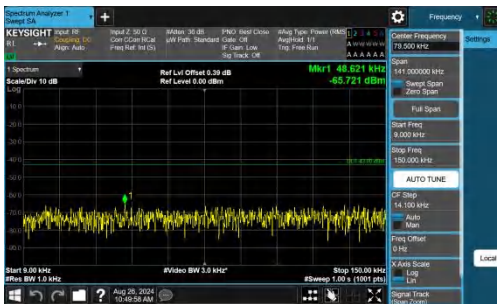
Band4-3MHz-QPSK-20175-1RB#14-30~1000-PASS



Band4-3MHz-QPSK-20175-1RB#14-1000~3000-PASS



Band4-3MHz-QPSK-20175-1RB#14-3000~20000-PASS



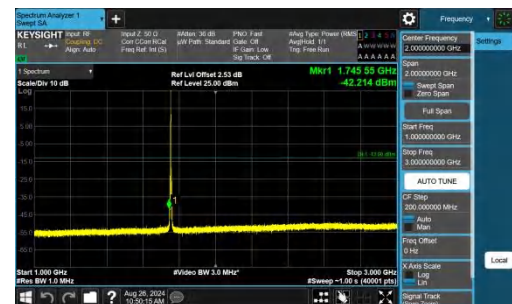
Band4-3MHz-QPSK-20385-1RB#0-0.009~0.15-PASS



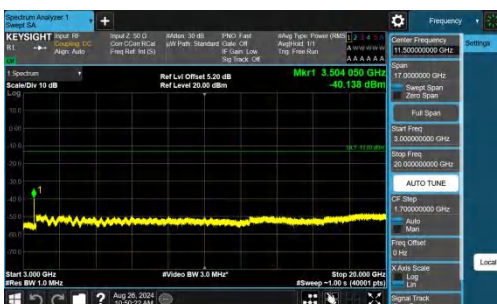
Band4-3MHz-QPSK-20385-1RB#0-0.15~30-PASS



Band4-3MHz-QPSK-20385-1RB#0-30~1000-PASS



Band4-3MHz-QPSK-20385-1RB#0-1000~3000-PASS



Band4-3MHz-QPSK-20385-1RB#0-3000~20000-PASS



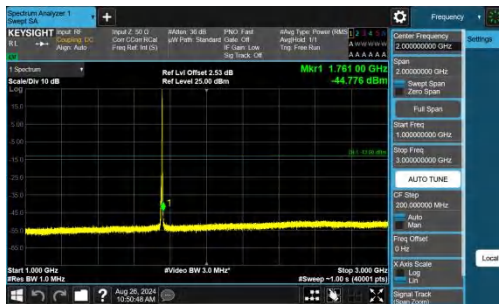
Band4-3MHz-QPSK-20385-1RB#14-0.009~0.15-PASS



Band4-3MHz-QPSK-20385-1RB#14-0.15~30-PASS



Band4-3MHz-QPSK-20385-1RB#14-30~1000-PASS



Band4-3MHz-QPSK-20385-1RB#14-1000~3000-PASS



Band4-3MHz-QPSK-20385-1RB#14-3000~20000-PASS



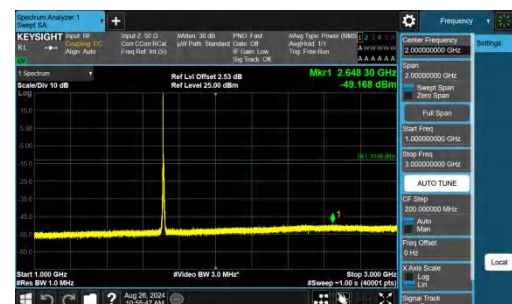
Band4-5MHz-QPSK-19975-1RB#0-0.009~0.15-PASS



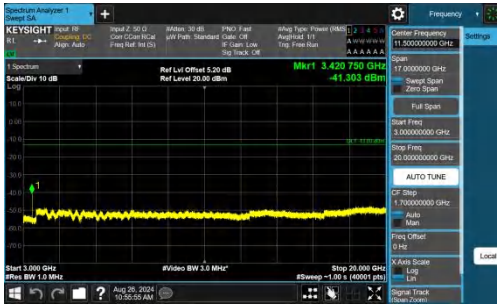
Band4-5MHz-QPSK-19975-1RB#0-0.15~30-PASS



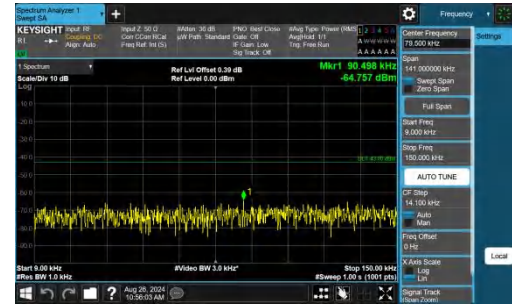
Band4-5MHz-QPSK-19975-1RB#0-30~1000-PASS



Band4-5MHz-QPSK-19975-1RB#0-1000~3000-PASS



Band4-5MHz-QPSK-19975-1RB#0-3000~20000-PASS



Band4-5MHz-QPSK-19975-1RB#24-0.009~0.15-PASS



Band4-5MHz-QPSK-19975-1RB#24-0.15~30-PASS



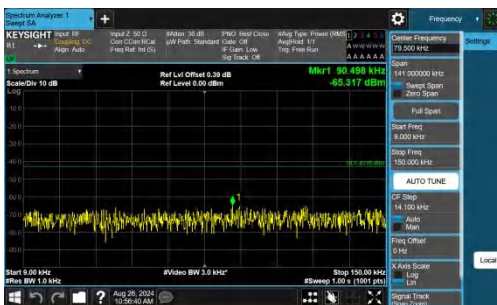
Band4-5MHz-QPSK-19975-1RB#24-30~1000-PASS



Band4-5MHz-QPSK-19975-1RB#24-1000~3000-PASS



Band4-5MHz-QPSK-19975-1RB#24-3000~20000-PASS



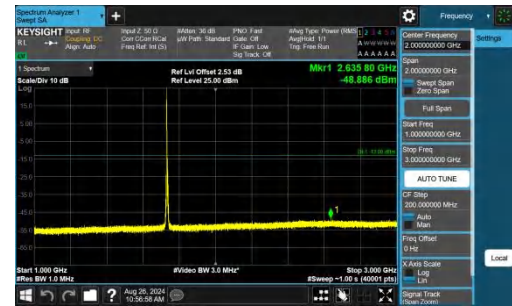
Band4-5MHz-QPSK-20175-1RB#0-0.009~0.15-PASS



Band4-5MHz-QPSK-20175-1RB#0-0.15~30-PASS



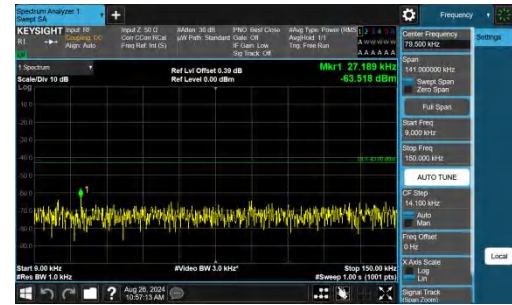
Band4-5MHz-QPSK-20175-1RB#0-30~1000-PASS



Band4-5MHz-QPSK-20175-1RB#0-1000~3000-PASS



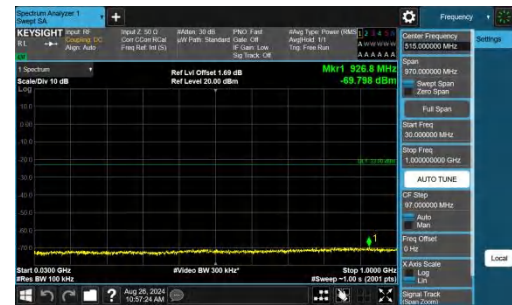
Band4-5MHz-QPSK-20175-1RB#0-3000~20000-PASS



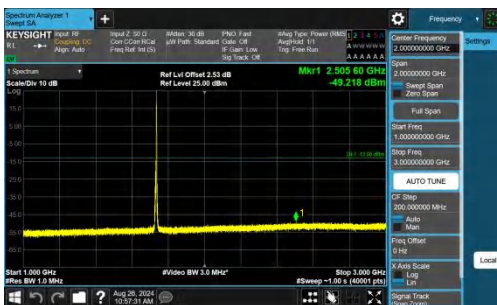
Band4-5MHz-QPSK-20175-1RB#24-0.009~0.15-PASS



Band4-5MHz-QPSK-20175-1RB#24-0.15~30-PASS



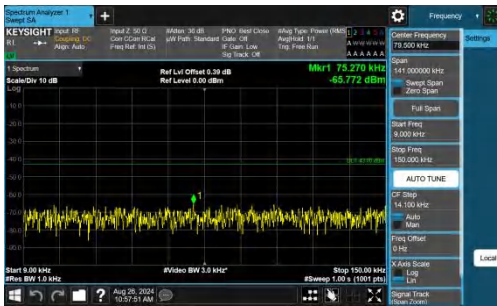
Band4-5MHz-QPSK-20175-1RB#24-30~1000-PASS



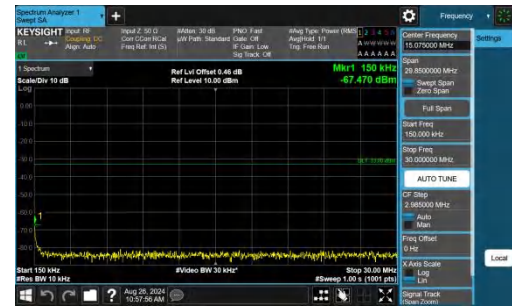
Band4-5MHz-QPSK-20175-1RB#24-1000~3000-PASS



Band4-5MHz-QPSK-20175-1RB#24-3000~20000-PASS



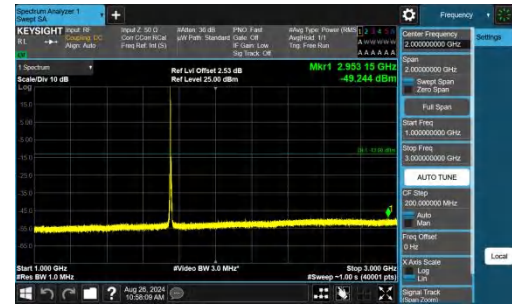
Band4-5MHz-QPSK-20375-1RB#0-0.009~0.15-PASS



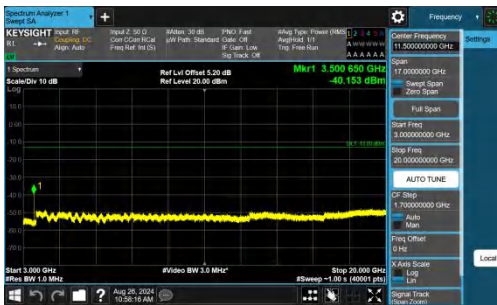
Band4-5MHz-QPSK-20375-1RB#0-0.15~30-PASS



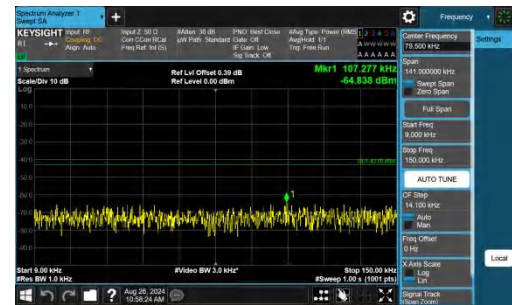
Band4-5MHz-QPSK-20375-1RB#0-30~1000-PASS



Band4-5MHz-QPSK-20375-1RB#0-1000~3000-PASS



Band4-5MHz-QPSK-20375-1RB#0-3000~20000-PASS



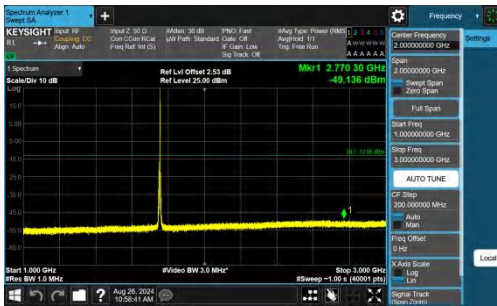
Band4-5MHz-QPSK-20375-1RB#24-0.009~0.15-PASS



Band4-5MHz-QPSK-20375-1RB#24-0.15~30-PASS



Band4-5MHz-QPSK-20375-1RB#24-30~1000-PASS



Band4-5MHz-QPSK-20375-1RB#24-1000~3000-PASS



Band4-5MHz-QPSK-20375-1RB#24-3000~20000-PASS



Band4-10MHz-QPSK-20000-1RB#0-0.009~0.15-PASS



Band4-10MHz-QPSK-20000-1RB#0-0.15~30-PASS



Band4-10MHz-QPSK-20000-1RB#0-30~1000-PASS



Band4-10MHz-QPSK-20000-1RB#0-1000~3000-PASS



Band4-10MHz-QPSK-20000-1RB#0-3000~20000-PASS



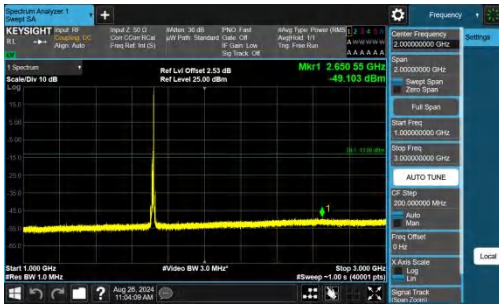
Band4-10MHz-QPSK-20000-1RB#49-0.009~0.15-PASS



Band4-10MHz-QPSK-20000-1RB#49-0.15~30-PASS



Band4-10MHz-QPSK-20000-1RB#49-30~1000-PASS



Band4-10MHz-QPSK-20000-1RB#49-1000~3000-PASS



Band4-10MHz-QPSK-20000-1RB#49-3000~20000-PASS



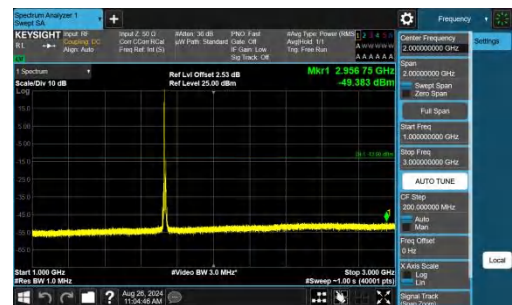
Band4-10MHz-QPSK-20175-1RB#0-0.009~0.15-PASS



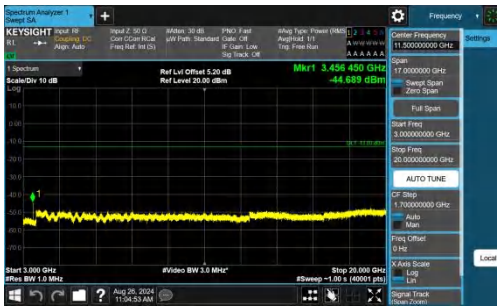
Band4-10MHz-QPSK-20175-1RB#0-0.15~30-PASS



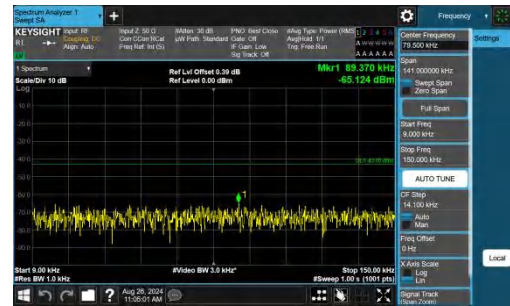
Band4-10MHz-QPSK-20175-1RB#0-30~1000-PASS



Band4-10MHz-QPSK-20175-1RB#0-1000~3000-PASS



Band4-10MHz-QPSK-20175-1RB#0-3000~20000-PASS



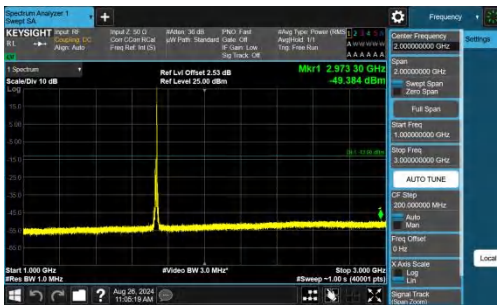
Band4-10MHz-QPSK-20175-1RB#49-0.009~0.15-PASS



Band4-10MHz-QPSK-20175-1RB#49-0.15~30-PASS



Band4-10MHz-QPSK-20175-1RB#49-30~1000-PASS



Band4-10MHz-QPSK-20175-1RB#49-1000~3000-PASS



Band4-10MHz-QPSK-20175-1RB#49-3000~20000-PASS



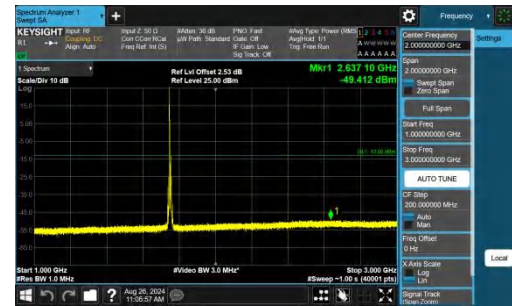
Band4-10MHz-QPSK-20350-1RB#0-0.009~0.15-PASS



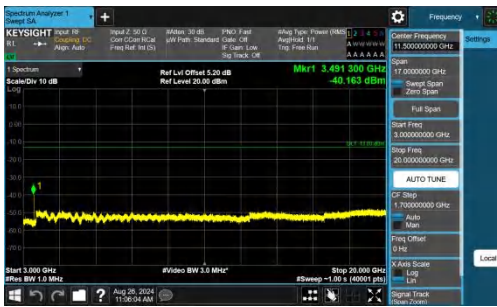
Band4-10MHz-QPSK-20350-1RB#0-0.15~30-PASS



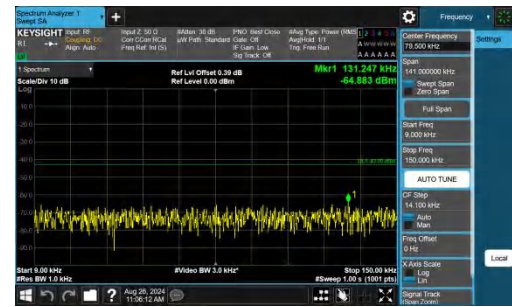
Band4-10MHz-QPSK-20350-1RB#0-30~1000-PASS



Band4-10MHz-QPSK-20350-1RB#0-1000~3000-PASS



Band4-10MHz-QPSK-20350-1RB#0-3000~20000-PASS



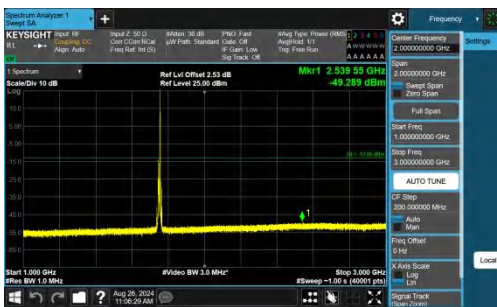
Band4-10MHz-QPSK-20350-1RB#49-0.009~0.15-PASS



Band4-10MHz-QPSK-20350-1RB#49-0.15~30-PASS



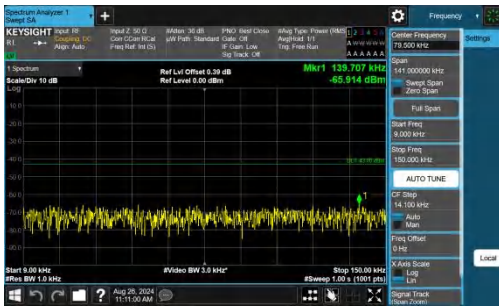
Band4-10MHz-QPSK-20350-1RB#49-30~1000-PASS



Band4-10MHz-QPSK-20350-1RB#49-1000~3000-PASS



Band4-10MHz-QPSK-20350-1RB#49-3000~20000-PASS



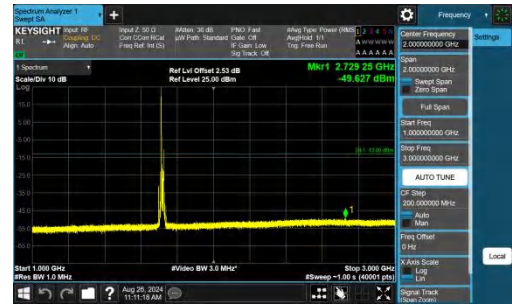
Band4-15MHz-QPSK-2025-1RB#0-0.009~0.15-PASS



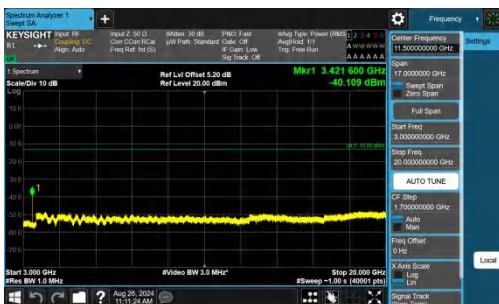
Band4-15MHz-QPSK-2025-1RB#0-0.15~30-PASS



Band4-15MHz-QPSK-2025-1RB#0-30~1000-PASS



Band4-15MHz-QPSK-2025-1RB#0-1000~3000-PASS



Band4-15MHz-QPSK-2025-1RB#0-3000~20000-PASS



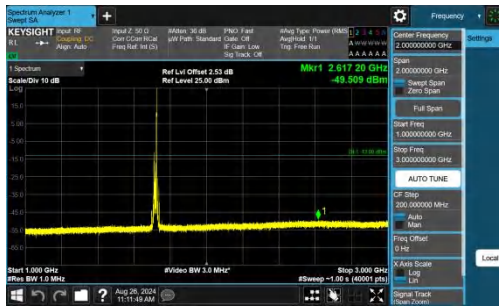
Band4-15MHz-QPSK-2025-1RB#74-0.009~0.15-PASS



Band4-15MHz-QPSK-2025-1RB#74-0.15~30-PASS



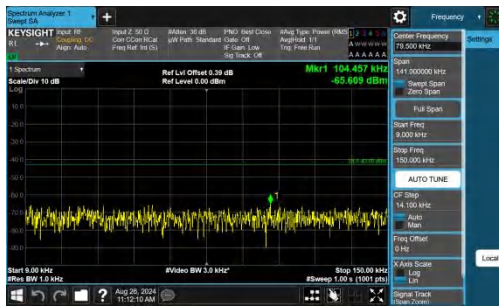
Band4-15MHz-QPSK-2025-1RB#74-30~1000-PASS



Band4-15MHz-QPSK-20025-1RB#74-1000~3000-PASS



Band4-15MHz-QPSK-20025-1RB#74-3000~20000-PASS



Band4-15MHz-QPSK-20175-1RB#0-0.009~0.15-PASS



Band4-15MHz-QPSK-20175-1RB#0-0.15~30-PASS



Band4-15MHz-QPSK-20175-1RB#0-30~1000-PASS



Band4-15MHz-QPSK-20175-1RB#0-1000~3000-PASS



Band4-15MHz-QPSK-20175-1RB#0-3000~20000-PASS



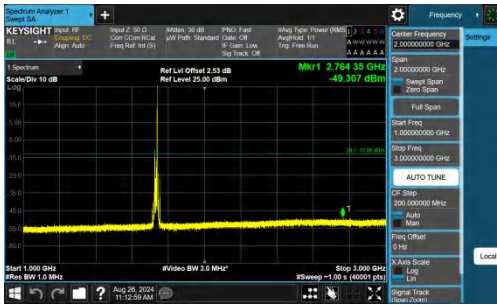
Band4-15MHz-QPSK-20175-1RB#74-0.009~0.15-PASS



Band4-15MHz-QPSK-20175-1RB#74-0.15~30-PASS



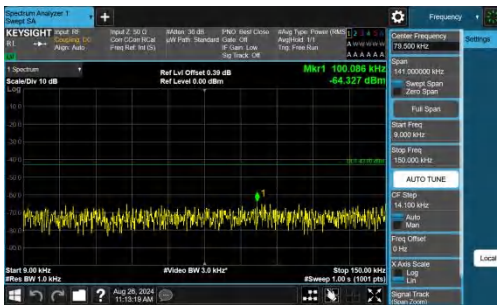
Band4-15MHz-QPSK-20175-1RB#74-30~1000-PASS



Band4-15MHz-QPSK-20175-1RB#74-1000~3000-PASS



Band4-15MHz-QPSK-20175-1RB#74-3000~20000-PASS



Band4-15MHz-QPSK-20325-1RB#0-0.009~0.15-PASS



Band4-15MHz-QPSK-20325-1RB#0-0.15~30-PASS



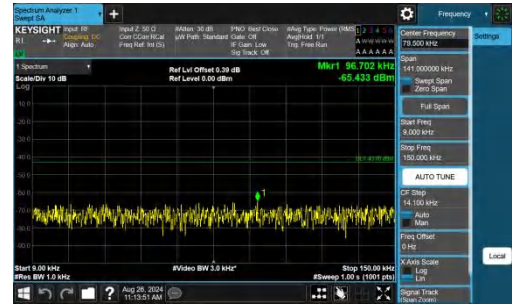
Band4-15MHz-QPSK-20325-1RB#0-30~1000-PASS



Band4-15MHz-QPSK-20325-1RB#0-1000~3000-PASS



Band4-15MHz-QPSK-20325-1RB#0-3000~20000-PASS



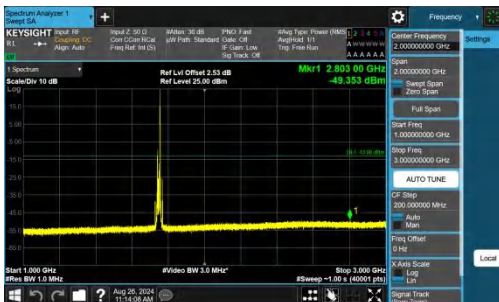
Band4-15MHz-QPSK-20325-1RB#74-0.009~0.15-PASS



Band4-15MHz-QPSK-20325-1RB#74-0.15~30-PASS



Band4-15MHz-QPSK-20325-1RB#74-30~1000-PASS



Band4-15MHz-QPSK-20325-1RB#74-1000~3000-PASS



Band4-15MHz-QPSK-20325-1RB#74-3000~20000-PASS



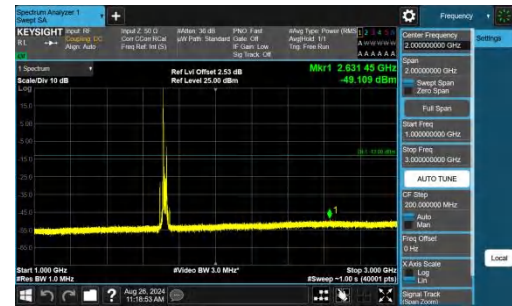
Band4-20MHz-QPSK-20050-1RB#0-0.009~0.15-PASS



Band4-20MHz-QPSK-20050-1RB#0-0.15~30-PASS



Band4-20MHz-QPSK-20050-1RB#0-30~1000-PASS



Band4-20MHz-QPSK-20050-1RB#0-1000~3000-PASS



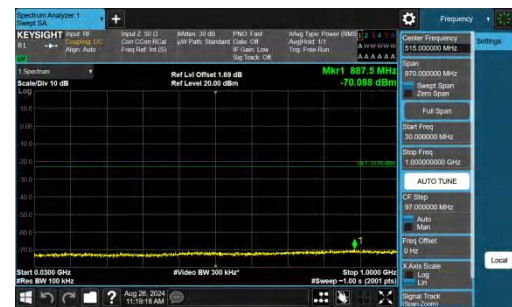
Band4-20MHz-QPSK-20050-1RB#0-3000~20000-PASS



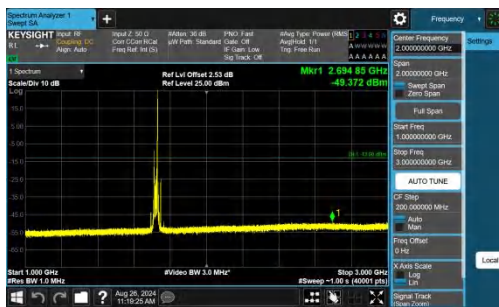
Band4-20MHz-QPSK-20050-1RB#99-0.009~0.15-PASS



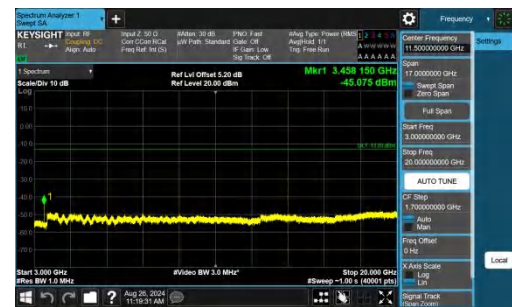
Band4-20MHz-QPSK-20050-1RB#99-0.15~30-PASS



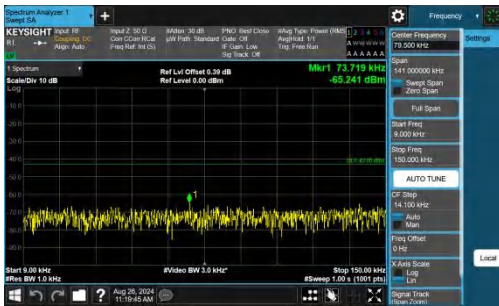
Band4-20MHz-QPSK-20050-1RB#99-30~1000-PASS



Band4-20MHz-QPSK-20050-1RB#99-1000~3000-PASS



Band4-20MHz-QPSK-20050-1RB#99-3000~20000-PASS



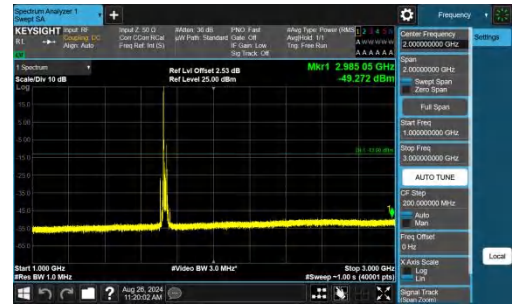
Band4-20MHz-QPSK-20175-1RB#0-0.009~0.15-PASS



Band4-20MHz-QPSK-20175-1RB#0-0.15~30-PASS



Band4-20MHz-QPSK-20175-1RB#0-30~1000-PASS



Band4-20MHz-QPSK-20175-1RB#0-1000~3000-PASS



Band4-20MHz-QPSK-20175-1RB#0-3000~20000-PASS



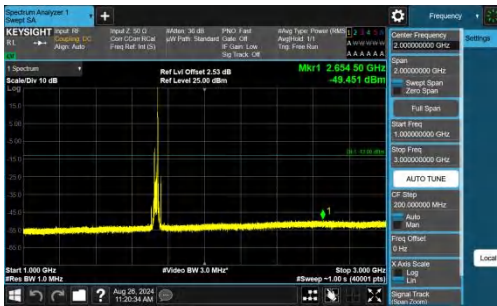
Band4-20MHz-QPSK-20175-1RB#99-0.009~0.15-PASS



Band4-20MHz-QPSK-20175-1RB#99-0.15~30-PASS



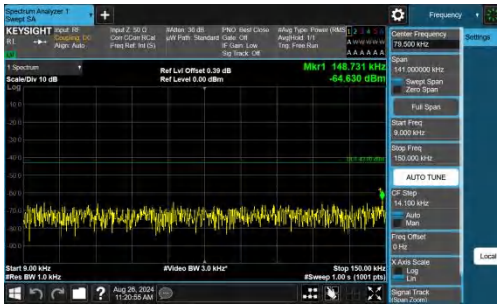
Band4-20MHz-QPSK-20175-1RB#99-30~1000-PASS



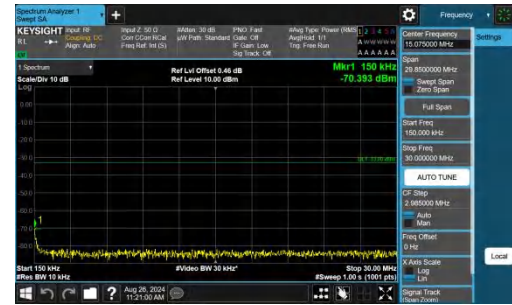
Band4-20MHz-QPSK-20175-1RB#99-1000~3000-PASS



Band4-20MHz-QPSK-20175-1RB#99-3000~20000-PASS



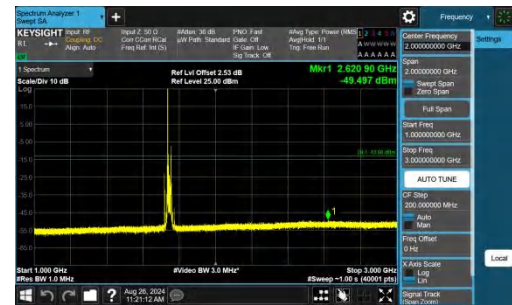
Band4-20MHz-QPSK-20300-1RB#0-0.009~0.15-PASS



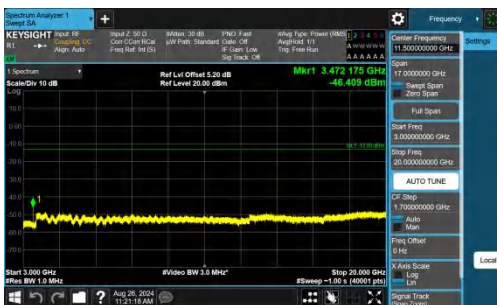
Band4-20MHz-QPSK-20300-1RB#0-0.15~30-PASS



Band4-20MHz-QPSK-20300-1RB#0-30~1000-PASS



Band4-20MHz-QPSK-20300-1RB#0-1000~3000-PASS



Band4-20MHz-QPSK-20300-1RB#0-3000~20000-PASS



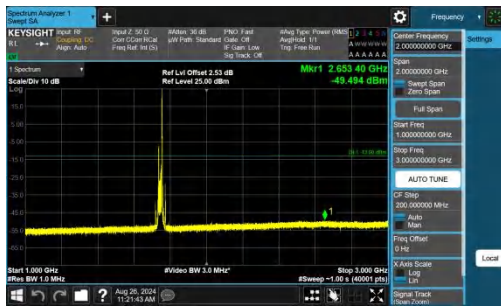
Band4-20MHz-QPSK-20300-1RB#99-0.009~0.15-PASS



Band4-20MHz-QPSK-20300-1RB#99-0.15~30-PASS



Band4-20MHz-QPSK-20300-1RB#99-30~1000-PASS



Band4-20MHz-QPSK-20300-1RB#99-1000~3000-PASS



Band4-20MHz-QPSK-20300-1RB#99-3000~20000-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 4  | 20MHz     | QPSK       | 20175   | 100RB#0          | VN            | NT               | 4130.00        | 2.383838        | ±NA         | 1723.57763 | 1741.43063 | 1710-1755   | PASS    |
| Band 4  | 20MHz     | QPSK       | 20175   | 100RB#0          | VL            | NT               | 5070.00        | 2.926407        | ±NA         | 1723.57657 | 1741.43357 | 1710-1755   | PASS    |
| Band 4  | 20MHz     | QPSK       | 20175   | 100RB#0          | VH            | NT               | 5500.00        | 3.174603        | ±NA         | 1723.5775  | 1741.4335  | 1710-1755   | 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 4      | 20MHz     | QPSK       | 20175   | 100RB#0          | NV            | -30              | 10510.00       | 6.066378        | ±NA         | 1723.59051 | 1741.43051 | 1710-1755   | PASS    |
| Band 4      | 20MHz     | QPSK       | 20175   | 100RB#0          | NV            | -20              | 8600.00        | 4.963925        | ±NA         | 1723.5791  | 1741.4381  | 1710-1755   | PASS    |
| Band 4      | 20MHz     | QPSK       | 20175   | 100RB#0          | NV            | -10              | 1140.00        | 0.658009        | ±NA         | 1723.57064 | 1741.43164 | 1710-1755   | PASS    |
| Band 4      | 20MHz     | QPSK       | 20175   | 100RB#0          | NV            | 0                | 3710.00        | 2.141414        | ±NA         | 1723.57921 | 1741.42821 | 1710-1755   | PASS    |
| Band 4      | 20MHz     | QPSK       | 20175   | 100RB#0          | NV            | 10               | 6910.00        | 3.988456        | ±NA         | 1723.57891 | 1741.43491 | 1710-1755   | PASS    |
| Band 4      | 20MHz     | QPSK       | 20175   | 100RB#0          | NV            | 20               | 2870.00        | 1.656566        | ±NA         | 1723.57487 | 1741.43087 | 1710-1755   | PASS    |
| Band 4      | 20MHz     | QPSK       | 20175   | 100RB#0          | NV            | 30               | 8360.00        | 4.825397        | ±NA         | 1723.57836 | 1741.43836 | 1710-1755   | PASS    |
| Band 4      | 20MHz     | QPSK       | 20175   | 100RB#0          | NV            | 40               | 6350.00        | 3.665224        | ±NA         | 1723.58085 | 1741.43185 | 1710-1755   | PASS    |
| Band 4      | 20MHz     | QPSK       | 20175   | 100RB#0          | NV            | 50               | 1990.00        | 1.148629        | ±NA         | 1723.57649 | 1741.42749 | 1710-1755   | PASS    |

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