

## Effective (Isotropic) Radiated Power Output Data

### Test Result

| Band  | Bandwidth | Modulation | Channel | RB Configuration | Result (dBm) | Gain (dB) | EIRP (dBm) | Limit (dBm) | Verdict |
|-------|-----------|------------|---------|------------------|--------------|-----------|------------|-------------|---------|
| Band7 | 5MHz      | QPSK       | 20775   | 1RB#0            | 23.54        | 1.4       | 24.94      | 33          | PASS    |
| Band7 | 5MHz      | 16QAM      | 20775   | 1RB#0            | 22.98        | 1.4       | 24.38      | 33          | PASS    |
| Band7 | 5MHz      | 64QAM      | 20775   | 1RB#0            | 21.82        | 1.4       | 23.22      | 33          | PASS    |
| Band7 | 5MHz      | QPSK       | 20775   | 1RB#12           | 23.65        | 1.4       | 25.05      | 33          | PASS    |
| Band7 | 5MHz      | 16QAM      | 20775   | 1RB#12           | 23.24        | 1.4       | 24.64      | 33          | PASS    |
| Band7 | 5MHz      | 64QAM      | 20775   | 1RB#12           | 22.56        | 1.4       | 23.96      | 33          | PASS    |
| Band7 | 5MHz      | QPSK       | 20775   | 1RB#24           | 23.60        | 1.4       | 25         | 33          | PASS    |
| Band7 | 5MHz      | 16QAM      | 20775   | 1RB#24           | 23.17        | 1.4       | 24.57      | 33          | PASS    |
| Band7 | 5MHz      | 64QAM      | 20775   | 1RB#24           | 22.53        | 1.4       | 23.93      | 33          | PASS    |
| Band7 | 5MHz      | QPSK       | 20775   | 25RB#0           | 23.05        | 1.4       | 24.45      | 33          | PASS    |
| Band7 | 5MHz      | 16QAM      | 20775   | 25RB#0           | 22.12        | 1.4       | 23.52      | 33          | PASS    |
| Band7 | 5MHz      | 64QAM      | 20775   | 25RB#0           | 21.16        | 1.4       | 22.56      | 33          | PASS    |
| Band7 | 5MHz      | QPSK       | 21100   | 1RB#0            | 23.52        | 1.4       | 24.92      | 33          | PASS    |
| Band7 | 5MHz      | 16QAM      | 21100   | 1RB#0            | 23.02        | 1.4       | 24.42      | 33          | PASS    |
| Band7 | 5MHz      | 64QAM      | 21100   | 1RB#0            | 21.83        | 1.4       | 23.23      | 33          | PASS    |
| Band7 | 5MHz      | QPSK       | 21100   | 1RB#12           | 23.64        | 1.4       | 25.04      | 33          | PASS    |
| Band7 | 5MHz      | 16QAM      | 21100   | 1RB#12           | 23.24        | 1.4       | 24.64      | 33          | PASS    |
| Band7 | 5MHz      | 64QAM      | 21100   | 1RB#12           | 22.60        | 1.4       | 24         | 33          | PASS    |
| Band7 | 5MHz      | QPSK       | 21100   | 1RB#24           | 23.57        | 1.4       | 24.97      | 33          | PASS    |
| Band7 | 5MHz      | 16QAM      | 21100   | 1RB#24           | 23.21        | 1.4       | 24.61      | 33          | PASS    |
| Band7 | 5MHz      | 64QAM      | 21100   | 1RB#24           | 22.56        | 1.4       | 23.96      | 33          | PASS    |
| Band7 | 5MHz      | QPSK       | 21100   | 25RB#0           | 23.10        | 1.4       | 24.5       | 33          | PASS    |
| Band7 | 5MHz      | 16QAM      | 21100   | 25RB#0           | 22.10        | 1.4       | 23.5       | 33          | PASS    |
| Band7 | 5MHz      | 64QAM      | 21100   | 25RB#0           | 21.14        | 1.4       | 22.54      | 33          | PASS    |
| Band7 | 5MHz      | QPSK       | 21425   | 1RB#0            | 23.41        | 1.4       | 24.81      | 33          | PASS    |
| Band7 | 5MHz      | 16QAM      | 21425   | 1RB#0            | 23.07        | 1.4       | 24.47      | 33          | PASS    |
| Band7 | 5MHz      | 64QAM      | 21425   | 1RB#0            | 22.41        | 1.4       | 23.81      | 33          | PASS    |
| Band7 | 5MHz      | QPSK       | 21425   | 1RB#12           | 23.63        | 1.4       | 25.03      | 33          | PASS    |
| Band7 | 5MHz      | 16QAM      | 21425   | 1RB#12           | 23.25        | 1.4       | 24.65      | 33          | PASS    |
| Band7 | 5MHz      | 64QAM      | 21425   | 1RB#12           | 22.64        | 1.4       | 24.04      | 33          | PASS    |
| Band7 | 5MHz      | QPSK       | 21425   | 1RB#24           | 23.54        | 1.4       | 24.94      | 33          | PASS    |
| Band7 | 5MHz      | 16QAM      | 21425   | 1RB#24           | 23.24        | 1.4       | 24.64      | 33          | PASS    |
| Band7 | 5MHz      | 64QAM      | 21425   | 1RB#24           | 22.58        | 1.4       | 23.98      | 33          | PASS    |
| Band7 | 5MHz      | QPSK       | 21425   | 25RB#0           | 23.03        | 1.4       | 24.43      | 33          | PASS    |
| Band7 | 5MHz      | 16QAM      | 21425   | 25RB#0           | 22.04        | 1.4       | 23.44      | 33          | PASS    |

|       |       |       |       |        |       |     |       |    |      |
|-------|-------|-------|-------|--------|-------|-----|-------|----|------|
| Band7 | 5MHz  | 64QAM | 21425 | 25RB#0 | 21.05 | 1.4 | 22.45 | 33 | PASS |
| Band7 | 10MHz | QPSK  | 20800 | 1RB#0  | 23.43 | 1.4 | 24.83 | 33 | PASS |
| Band7 | 10MHz | 16QAM | 20800 | 1RB#0  | 22.81 | 1.4 | 24.21 | 33 | PASS |
| Band7 | 10MHz | 64QAM | 20800 | 1RB#0  | 21.72 | 1.4 | 23.12 | 33 | PASS |
| Band7 | 10MHz | QPSK  | 20800 | 1RB#24 | 23.40 | 1.4 | 24.8  | 33 | PASS |
| Band7 | 10MHz | 16QAM | 20800 | 1RB#24 | 22.73 | 1.4 | 24.13 | 33 | PASS |
| Band7 | 10MHz | 64QAM | 20800 | 1RB#24 | 21.66 | 1.4 | 23.06 | 33 | PASS |
| Band7 | 10MHz | QPSK  | 20800 | 1RB#49 | 23.45 | 1.4 | 24.85 | 33 | PASS |
| Band7 | 10MHz | 16QAM | 20800 | 1RB#49 | 22.87 | 1.4 | 24.27 | 33 | PASS |
| Band7 | 10MHz | 64QAM | 20800 | 1RB#49 | 21.73 | 1.4 | 23.13 | 33 | PASS |
| Band7 | 10MHz | QPSK  | 20800 | 50RB#0 | 23.04 | 1.4 | 24.44 | 33 | PASS |
| Band7 | 10MHz | 16QAM | 20800 | 50RB#0 | 22.08 | 1.4 | 23.48 | 33 | PASS |
| Band7 | 10MHz | 64QAM | 20800 | 50RB#0 | 21.09 | 1.4 | 22.49 | 33 | PASS |
| Band7 | 10MHz | QPSK  | 21100 | 1RB#0  | 23.54 | 1.4 | 24.94 | 33 | PASS |
| Band7 | 10MHz | 16QAM | 21100 | 1RB#0  | 23.09 | 1.4 | 24.49 | 33 | PASS |
| Band7 | 10MHz | 64QAM | 21100 | 1RB#0  | 21.89 | 1.4 | 23.29 | 33 | PASS |
| Band7 | 10MHz | QPSK  | 21100 | 1RB#24 | 23.41 | 1.4 | 24.81 | 33 | PASS |
| Band7 | 10MHz | 16QAM | 21100 | 1RB#24 | 22.78 | 1.4 | 24.18 | 33 | PASS |
| Band7 | 10MHz | 64QAM | 21100 | 1RB#24 | 21.66 | 1.4 | 23.06 | 33 | PASS |
| Band7 | 10MHz | QPSK  | 21100 | 1RB#49 | 23.45 | 1.4 | 24.85 | 33 | PASS |
| Band7 | 10MHz | 16QAM | 21100 | 1RB#49 | 22.74 | 1.4 | 24.14 | 33 | PASS |
| Band7 | 10MHz | 64QAM | 21100 | 1RB#49 | 21.73 | 1.4 | 23.13 | 33 | PASS |
| Band7 | 10MHz | QPSK  | 21100 | 50RB#0 | 23.04 | 1.4 | 24.44 | 33 | PASS |
| Band7 | 10MHz | 16QAM | 21100 | 50RB#0 | 22.12 | 1.4 | 23.52 | 33 | PASS |
| Band7 | 10MHz | 64QAM | 21100 | 50RB#0 | 21.13 | 1.4 | 22.53 | 33 | PASS |
| Band7 | 10MHz | QPSK  | 21400 | 1RB#0  | 23.32 | 1.4 | 24.72 | 33 | PASS |
| Band7 | 10MHz | 16QAM | 21400 | 1RB#0  | 22.86 | 1.4 | 24.26 | 33 | PASS |
| Band7 | 10MHz | 64QAM | 21400 | 1RB#0  | 21.72 | 1.4 | 23.12 | 33 | PASS |
| Band7 | 10MHz | QPSK  | 21400 | 1RB#24 | 23.34 | 1.4 | 24.74 | 33 | PASS |
| Band7 | 10MHz | 16QAM | 21400 | 1RB#24 | 22.68 | 1.4 | 24.08 | 33 | PASS |
| Band7 | 10MHz | 64QAM | 21400 | 1RB#24 | 21.61 | 1.4 | 23.01 | 33 | PASS |
| Band7 | 10MHz | QPSK  | 21400 | 1RB#49 | 23.39 | 1.4 | 24.79 | 33 | PASS |
| Band7 | 10MHz | 16QAM | 21400 | 1RB#49 | 22.80 | 1.4 | 24.2  | 33 | PASS |
| Band7 | 10MHz | 64QAM | 21400 | 1RB#49 | 21.77 | 1.4 | 23.17 | 33 | PASS |
| Band7 | 10MHz | QPSK  | 21400 | 50RB#0 | 23.00 | 1.4 | 24.4  | 33 | PASS |
| Band7 | 10MHz | 16QAM | 21400 | 50RB#0 | 22.06 | 1.4 | 23.46 | 33 | PASS |
| Band7 | 10MHz | 64QAM | 21400 | 50RB#0 | 21.11 | 1.4 | 22.51 | 33 | PASS |
| Band7 | 15MHz | QPSK  | 20825 | 1RB#0  | 23.63 | 1.4 | 25.03 | 33 | PASS |
| Band7 | 15MHz | 16QAM | 20825 | 1RB#0  | 23.29 | 1.4 | 24.69 | 33 | PASS |
| Band7 | 15MHz | 64QAM | 20825 | 1RB#0  | 22.35 | 1.4 | 23.75 | 33 | PASS |
| Band7 | 15MHz | QPSK  | 20825 | 1RB#38 | 23.56 | 1.4 | 24.96 | 33 | PASS |

|       |       |       |       |        |       |     |       |    |      |
|-------|-------|-------|-------|--------|-------|-----|-------|----|------|
| Band7 | 15MHz | 16QAM | 20825 | 1RB#38 | 23.29 | 1.4 | 24.69 | 33 | PASS |
| Band7 | 15MHz | 64QAM | 20825 | 1RB#38 | 22.36 | 1.4 | 23.76 | 33 | PASS |
| Band7 | 15MHz | QPSK  | 20825 | 1RB#74 | 23.58 | 1.4 | 24.98 | 33 | PASS |
| Band7 | 15MHz | 16QAM | 20825 | 1RB#74 | 23.38 | 1.4 | 24.78 | 33 | PASS |
| Band7 | 15MHz | 64QAM | 20825 | 1RB#74 | 22.37 | 1.4 | 23.77 | 33 | PASS |
| Band7 | 15MHz | QPSK  | 20825 | 75RB#0 | 23.28 | 1.4 | 24.68 | 33 | PASS |
| Band7 | 15MHz | 16QAM | 20825 | 75RB#0 | 22.28 | 1.4 | 23.68 | 33 | PASS |
| Band7 | 15MHz | 64QAM | 20825 | 75RB#0 | 21.30 | 1.4 | 22.7  | 33 | PASS |
| Band7 | 15MHz | QPSK  | 21100 | 1RB#0  | 23.75 | 1.4 | 25.15 | 33 | PASS |
| Band7 | 15MHz | 16QAM | 21100 | 1RB#0  | 23.36 | 1.4 | 24.76 | 33 | PASS |
| Band7 | 15MHz | 64QAM | 21100 | 1RB#0  | 22.16 | 1.4 | 23.56 | 33 | PASS |
| Band7 | 15MHz | QPSK  | 21100 | 1RB#38 | 23.58 | 1.4 | 24.98 | 33 | PASS |
| Band7 | 15MHz | 16QAM | 21100 | 1RB#38 | 23.31 | 1.4 | 24.71 | 33 | PASS |
| Band7 | 15MHz | 64QAM | 21100 | 1RB#38 | 22.33 | 1.4 | 23.73 | 33 | PASS |
| Band7 | 15MHz | QPSK  | 21100 | 1RB#74 | 23.51 | 1.4 | 24.91 | 33 | PASS |
| Band7 | 15MHz | 16QAM | 21100 | 1RB#74 | 23.23 | 1.4 | 24.63 | 33 | PASS |
| Band7 | 15MHz | 64QAM | 21100 | 1RB#74 | 22.27 | 1.4 | 23.67 | 33 | PASS |
| Band7 | 15MHz | QPSK  | 21100 | 75RB#0 | 23.24 | 1.4 | 24.64 | 33 | PASS |
| Band7 | 15MHz | 16QAM | 21100 | 75RB#0 | 22.29 | 1.4 | 23.69 | 33 | PASS |
| Band7 | 15MHz | 64QAM | 21100 | 75RB#0 | 21.34 | 1.4 | 22.74 | 33 | PASS |
| Band7 | 15MHz | QPSK  | 21375 | 1RB#0  | 23.59 | 1.4 | 24.99 | 33 | PASS |
| Band7 | 15MHz | 16QAM | 21375 | 1RB#0  | 23.28 | 1.4 | 24.68 | 33 | PASS |
| Band7 | 15MHz | 64QAM | 21375 | 1RB#0  | 22.35 | 1.4 | 23.75 | 33 | PASS |
| Band7 | 15MHz | QPSK  | 21375 | 1RB#38 | 23.54 | 1.4 | 24.94 | 33 | PASS |
| Band7 | 15MHz | 16QAM | 21375 | 1RB#38 | 23.24 | 1.4 | 24.64 | 33 | PASS |
| Band7 | 15MHz | 64QAM | 21375 | 1RB#38 | 22.29 | 1.4 | 23.69 | 33 | PASS |
| Band7 | 15MHz | QPSK  | 21375 | 1RB#74 | 23.55 | 1.4 | 24.95 | 33 | PASS |
| Band7 | 15MHz | 16QAM | 21375 | 1RB#74 | 23.31 | 1.4 | 24.71 | 33 | PASS |
| Band7 | 15MHz | 64QAM | 21375 | 1RB#74 | 22.36 | 1.4 | 23.76 | 33 | PASS |
| Band7 | 15MHz | QPSK  | 21375 | 75RB#0 | 23.25 | 1.4 | 24.65 | 33 | PASS |
| Band7 | 15MHz | 16QAM | 21375 | 75RB#0 | 22.23 | 1.4 | 23.63 | 33 | PASS |
| Band7 | 15MHz | 64QAM | 21375 | 75RB#0 | 21.27 | 1.4 | 22.67 | 33 | PASS |
| Band7 | 20MHz | QPSK  | 20850 | 1RB#0  | 23.71 | 1.4 | 25.11 | 33 | PASS |
| Band7 | 20MHz | 16QAM | 20850 | 1RB#0  | 23.29 | 1.4 | 24.69 | 33 | PASS |
| Band7 | 20MHz | 64QAM | 20850 | 1RB#0  | 22.37 | 1.4 | 23.77 | 33 | PASS |
| Band7 | 20MHz | QPSK  | 20850 | 1RB#49 | 23.71 | 1.4 | 25.11 | 33 | PASS |
| Band7 | 20MHz | 16QAM | 20850 | 1RB#49 | 23.34 | 1.4 | 24.74 | 33 | PASS |
| Band7 | 20MHz | 64QAM | 20850 | 1RB#49 | 22.44 | 1.4 | 23.84 | 33 | PASS |
| Band7 | 20MHz | QPSK  | 20850 | 1RB#99 | 23.74 | 1.4 | 25.14 | 33 | PASS |
| Band7 | 20MHz | 16QAM | 20850 | 1RB#99 | 23.48 | 1.4 | 24.88 | 33 | PASS |
| Band7 | 20MHz | 64QAM | 20850 | 1RB#99 | 22.54 | 1.4 | 23.94 | 33 | PASS |

|       |       |       |       |         |       |     |       |    |      |
|-------|-------|-------|-------|---------|-------|-----|-------|----|------|
| Band7 | 20MHz | QPSK  | 20850 | 100RB#0 | 23.21 | 1.4 | 24.61 | 33 | PASS |
| Band7 | 20MHz | 16QAM | 20850 | 100RB#0 | 22.24 | 1.4 | 23.64 | 33 | PASS |
| Band7 | 20MHz | 64QAM | 20850 | 100RB#0 | 21.31 | 1.4 | 22.71 | 33 | PASS |
| Band7 | 20MHz | QPSK  | 21100 | 1RB#0   | 23.79 | 1.4 | 25.19 | 33 | PASS |
| Band7 | 20MHz | 16QAM | 21100 | 1RB#0   | 23.19 | 1.4 | 24.59 | 33 | PASS |
| Band7 | 20MHz | 64QAM | 21100 | 1RB#0   | 22.13 | 1.4 | 23.53 | 33 | PASS |
| Band7 | 20MHz | QPSK  | 21100 | 1RB#49  | 23.63 | 1.4 | 25.03 | 33 | PASS |
| Band7 | 20MHz | 16QAM | 21100 | 1RB#49  | 23.00 | 1.4 | 24.4  | 33 | PASS |
| Band7 | 20MHz | 64QAM | 21100 | 1RB#49  | 22.02 | 1.4 | 23.42 | 33 | PASS |
| Band7 | 20MHz | QPSK  | 21100 | 1RB#99  | 23.52 | 1.4 | 24.92 | 33 | PASS |
| Band7 | 20MHz | 16QAM | 21100 | 1RB#99  | 22.89 | 1.4 | 24.29 | 33 | PASS |
| Band7 | 20MHz | 64QAM | 21100 | 1RB#99  | 21.85 | 1.4 | 23.25 | 33 | PASS |
| Band7 | 20MHz | QPSK  | 21100 | 100RB#0 | 23.23 | 1.4 | 24.63 | 33 | PASS |
| Band7 | 20MHz | 16QAM | 21100 | 100RB#0 | 22.27 | 1.4 | 23.67 | 33 | PASS |
| Band7 | 20MHz | 64QAM | 21100 | 100RB#0 | 21.30 | 1.4 | 22.7  | 33 | PASS |
| Band7 | 20MHz | QPSK  | 21350 | 1RB#0   | 23.69 | 1.4 | 25.09 | 33 | PASS |
| Band7 | 20MHz | 16QAM | 21350 | 1RB#0   | 23.17 | 1.4 | 24.57 | 33 | PASS |
| Band7 | 20MHz | 64QAM | 21350 | 1RB#0   | 22.43 | 1.4 | 23.83 | 33 | PASS |
| Band7 | 20MHz | QPSK  | 21350 | 1RB#49  | 23.66 | 1.4 | 25.06 | 33 | PASS |
| Band7 | 20MHz | 16QAM | 21350 | 1RB#49  | 23.08 | 1.4 | 24.48 | 33 | PASS |
| Band7 | 20MHz | 64QAM | 21350 | 1RB#49  | 22.31 | 1.4 | 23.71 | 33 | PASS |
| Band7 | 20MHz | QPSK  | 21350 | 1RB#99  | 23.67 | 1.4 | 25.07 | 33 | PASS |
| Band7 | 20MHz | 16QAM | 21350 | 1RB#99  | 23.15 | 1.4 | 24.55 | 33 | PASS |
| Band7 | 20MHz | 64QAM | 21350 | 1RB#99  | 22.35 | 1.4 | 23.75 | 33 | PASS |
| Band7 | 20MHz | QPSK  | 21350 | 100RB#0 | 23.18 | 1.4 | 24.58 | 33 | PASS |
| Band7 | 20MHz | 16QAM | 21350 | 100RB#0 | 22.22 | 1.4 | 23.62 | 33 | PASS |
| Band7 | 20MHz | 64QAM | 21350 | 100RB#0 | 21.23 | 1.4 | 22.63 | 33 | PASS |

Note : EIRP = Transmitter output power(dBm) + Gain(dBi);

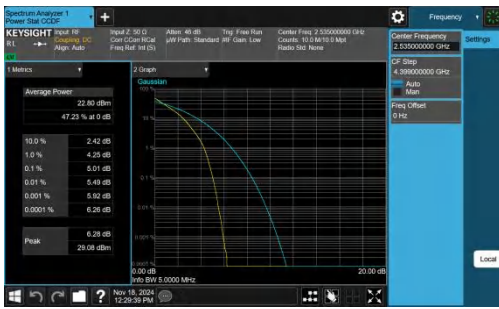
ERP = EIRP - 2.15

## Peak-to-Average Ratio(CCDF)

### Test Result

| Band  | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|-------|-----------|------------|---------|------------------|------------|-----------|---------|
| Band7 | 5MHz      | QPSK       | 21100   | 25RB#0           | 5.01       | 13        | PASS    |
| Band7 | 5MHz      | 16QAM      | 21100   | 25RB#0           | 5.82       | 13        | PASS    |
| Band7 | 5MHz      | 64QAM      | 21100   | 25RB#0           | 8.75       | 13        | PASS    |
| Band7 | 10MHz     | QPSK       | 21100   | 50RB#0           | 5.02       | 13        | PASS    |
| Band7 | 10MHz     | 16QAM      | 21100   | 50RB#0           | 5.83       | 13        | PASS    |
| Band7 | 10MHz     | 64QAM      | 21100   | 50RB#0           | 6.55       | 13        | PASS    |
| Band7 | 15MHz     | QPSK       | 21100   | 75RB#0           | 5.09       | 13        | PASS    |
| Band7 | 15MHz     | 16QAM      | 21100   | 75RB#0           | 5.84       | 13        | PASS    |
| Band7 | 15MHz     | 64QAM      | 21100   | 75RB#0           | 6.40       | 13        | PASS    |
| Band7 | 20MHz     | QPSK       | 21100   | 100RB#0          | 4.95       | 13        | PASS    |
| Band7 | 20MHz     | 16QAM      | 21100   | 100RB#0          | 5.78       | 13        | PASS    |
| Band7 | 20MHz     | 64QAM      | 21100   | 100RB#0          | 6.47       | 13        | PASS    |

# Test Graphs



Band7-5MHz-QPSK-21100-25RB#0-PASS



Band7-5MHz-16QAM-21100-25RB#0-PASS



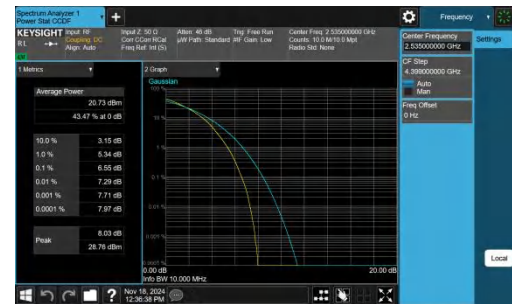
Band7-5MHz-64QAM-21100-25RB#0-PASS



Band7-10MHz-QPSK-21100-50RB#0-PASS



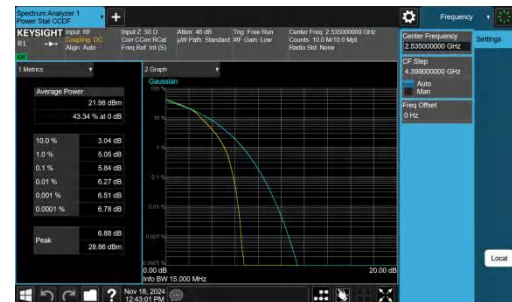
Band7-10MHz-16QAM-21100-50RB#0-PASS



Band7-10MHz-64QAM-21100-50RB#0-PASS



Band7-15MHz-QPSK-21100-75RB#0-PASS



Band7-15MHz-16QAM-21100-75RB#0-PASS



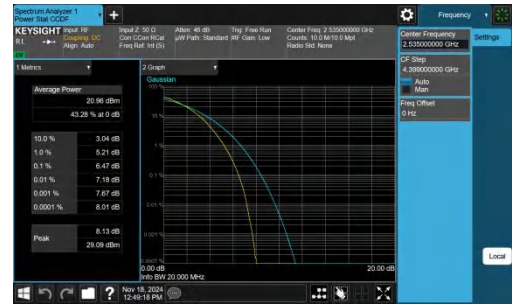
Band7-15MHz-64QAM-21100-75RB#0-PASS



Band7-20MHz-QPSK-21100-100RB#0-PASS



Band7-20MHz-16QAM-21100-100RB#0-PASS



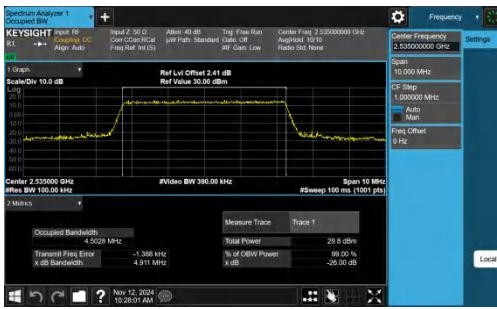
Band7-20MHz-64QAM-21100-100RB#0-PASS

## 26dB Bandwidth and Occupied Bandwidth

### Test Result

| Band  | Bandwidth | Modulation | Channel | RB Configuration | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|-------|-----------|------------|---------|------------------|--------------------------|----------------------|---------|
| Band7 | 5MHz      | QPSK       | 21100   | 25RB#0           | 4.5028                   | 4.911                | PASS    |
| Band7 | 5MHz      | 16QAM      | 21100   | 25RB#0           | 4.5127                   | 4.958                | PASS    |
| Band7 | 5MHz      | 64QAM      | 21100   | 25RB#0           | 4.5028                   | 4.911                | PASS    |
| Band7 | 10MHz     | QPSK       | 21100   | 50RB#0           | 8.9715                   | 9.853                | PASS    |
| Band7 | 10MHz     | 16QAM      | 21100   | 50RB#0           | 8.9841                   | 9.752                | PASS    |
| Band7 | 10MHz     | 64QAM      | 21100   | 50RB#0           | 8.9625                   | 9.763                | PASS    |
| Band7 | 15MHz     | QPSK       | 21100   | 75RB#0           | 13.471                   | 14.75                | PASS    |
| Band7 | 15MHz     | 16QAM      | 21100   | 75RB#0           | 13.456                   | 14.63                | PASS    |
| Band7 | 15MHz     | 64QAM      | 21100   | 75RB#0           | 13.447                   | 14.66                | PASS    |
| Band7 | 20MHz     | QPSK       | 21100   | 100RB#0          | 17.950                   | 19.52                | PASS    |
| Band7 | 20MHz     | 16QAM      | 21100   | 100RB#0          | 17.935                   | 19.46                | PASS    |
| Band7 | 20MHz     | 64QAM      | 21100   | 100RB#0          | 17.970                   | 19.57                | PASS    |

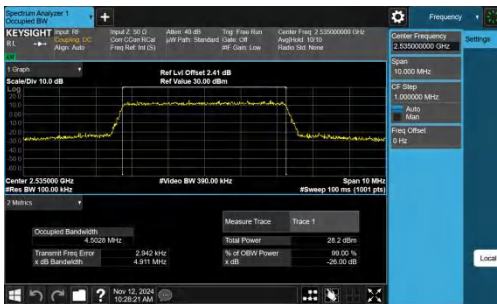
# Test Graphs



Band7-5MHz-QPSK-21100-25RB#0-PASS



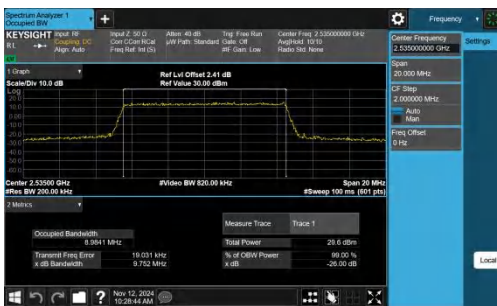
Band7-5MHz-16QAM-21100-25RB#0-PASS



Band7-5MHz-64QAM-21100-25RB#0-PASS



Band7-10MHz-QPSK-21100-50RB#0-PASS



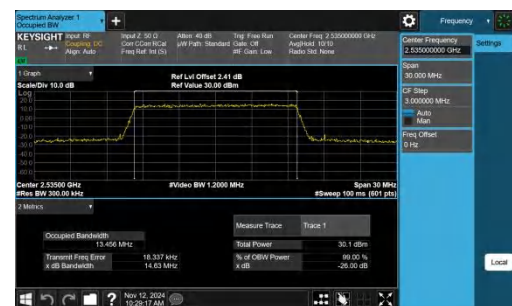
Band7-10MHz-16QAM-21100-50RB#0-PASS



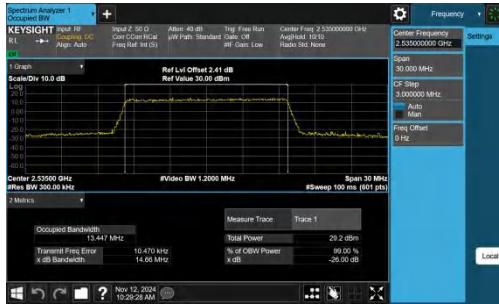
Band7-10MHz-64QAM-21100-50RB#0-PASS



Band7-15MHz-QPSK-21100-75RB#0-PASS



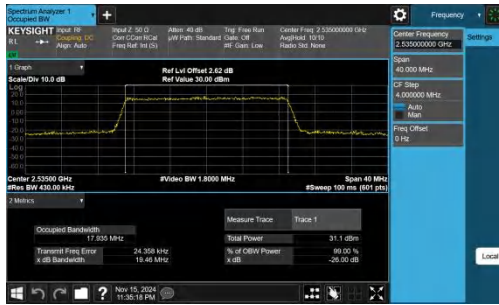
Band7-15MHz-16QAM-21100-75RB#0-PASS



Band7-15MHz-64QAM-21100-75RB#0-PASS



Band7-20MHz-QPSK-21100-100RB#0-PASS



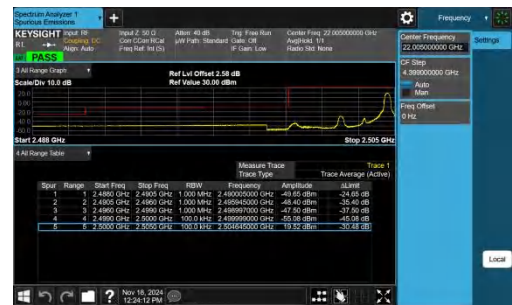
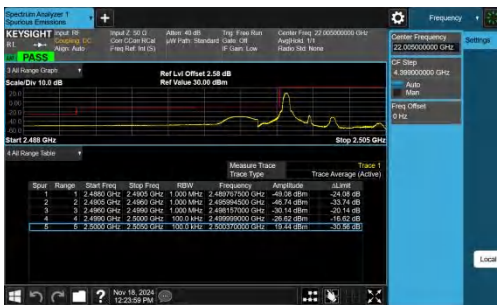
Band7-20MHz-16QAM-21100-100RB#0-PASS



Band7-20MHz-64QAM-21100-100RB#0-PASS

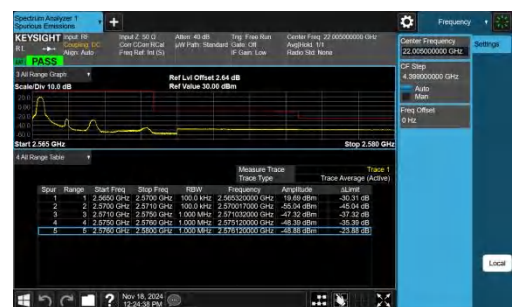
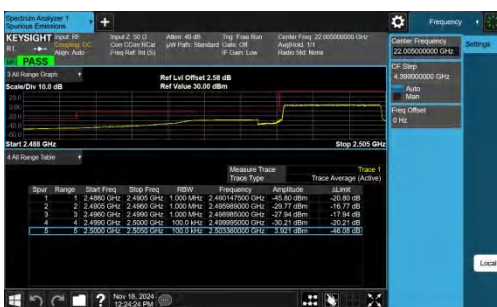
## Band Edge

## Test Graphs



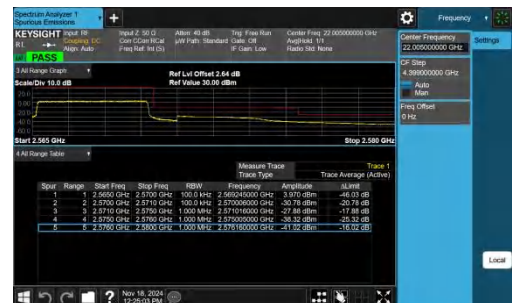
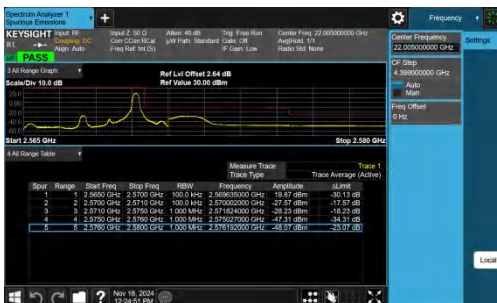
Band7-5MHz-QPSK-20775-1RB#0-PASS

Band7-5MHz-QPSK-20775-1RB#24-PASS



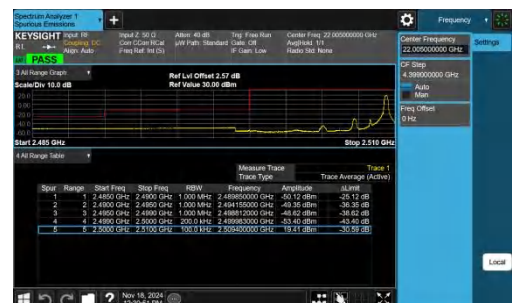
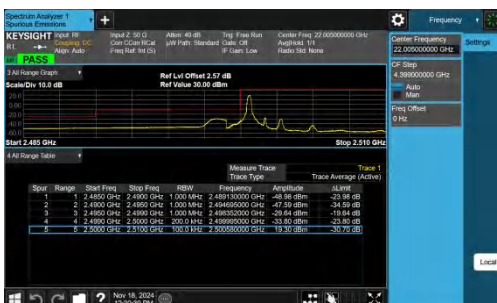
Band7-5MHz-QPSK-20775-25RB#0-PASS

Band7-5MHz-QPSK-21425-1RB#0-PASS



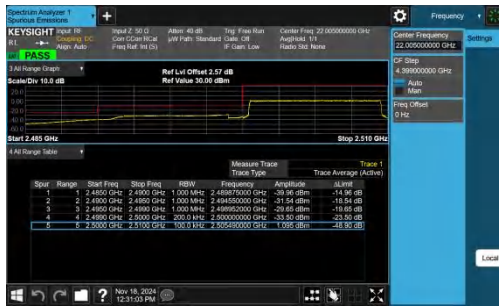
Band7-5MHz-QPSK-21425-1RB#24-PASS

Band7-5MHz-QPSK-21425-25RB#0-PASS

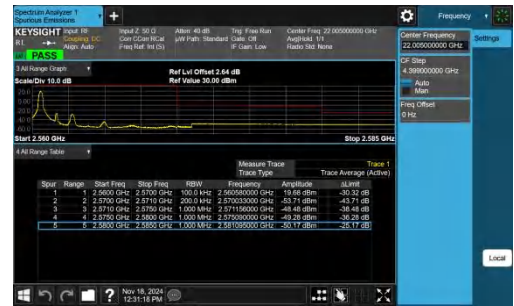


Band7-10MHz-QPSK-20800-1RB#0-PASS

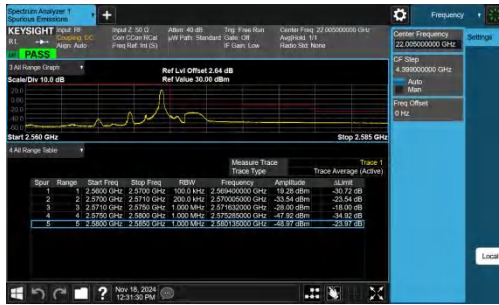
Band7-10MHz-QPSK-20800-1RB#49-PASS



Band7-10MHz-QPSK-20800-50RB#0-PASS



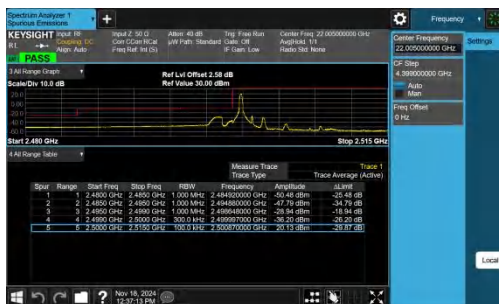
Band7-10MHz-QPSK-21400-1RB#0-PASS



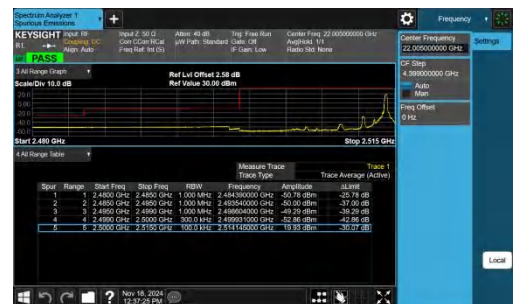
Band7-10MHz-QPSK-21400-1RB#49-PASS



Band7-10MHz-QPSK-21400-50RB#0-PASS



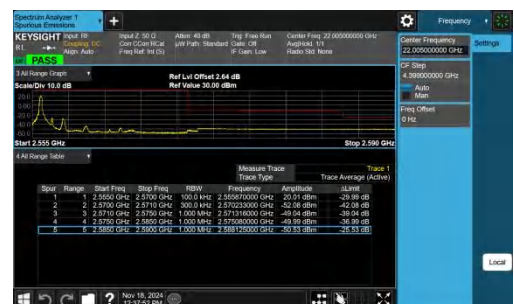
Band7-15MHz-QPSK-20825-1RB#0-PASS



Band7-15MHz-QPSK-20825-1RB#74-PASS



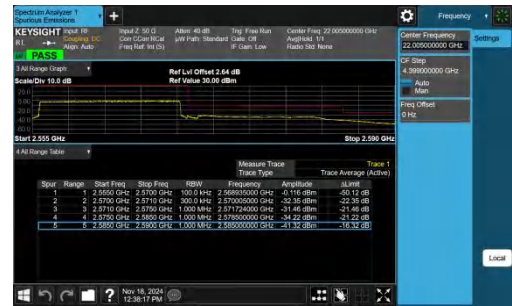
Band7-15MHz-QPSK-20825-75RB#0-PASS



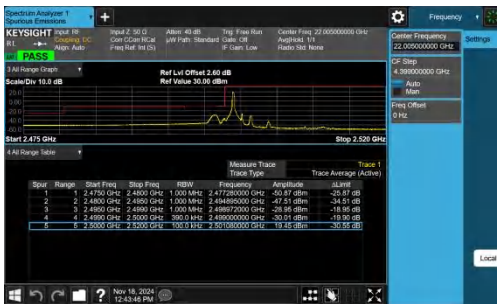
Band7-15MHz-QPSK-21375-1RB#0-PASS



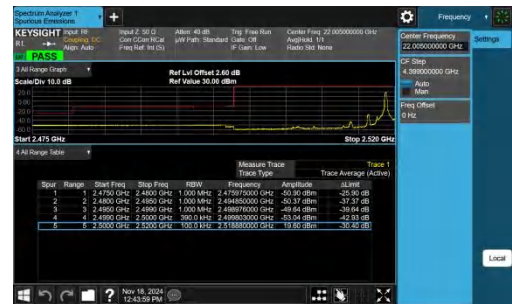
Band7-15MHz-QPSK-21375-1RB#74-PASS



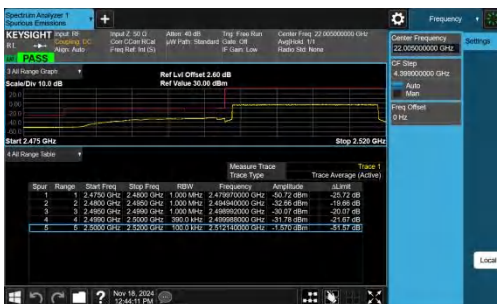
Band7-15MHz-QPSK-21375-75RB#0-PASS



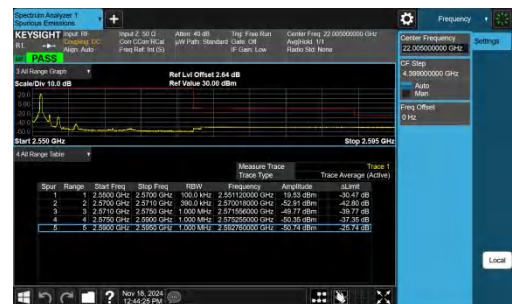
Band7-20MHz-QPSK-20850-1RB#0-PASS



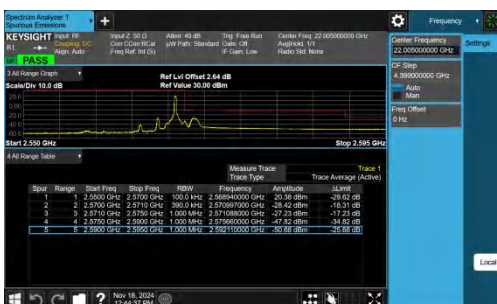
Band7-20MHz-QPSK-20850-1RB#99-PASS



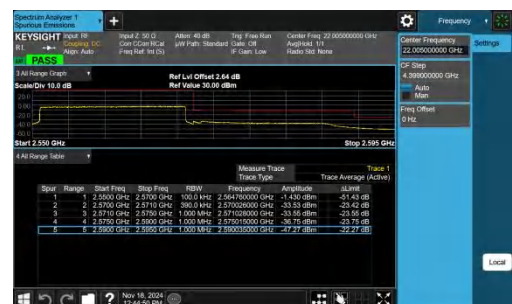
Band7-20MHz-QPSK-20850-100RB#0-PASS



Band7-20MHz-QPSK-21350-1RB#0-PASS



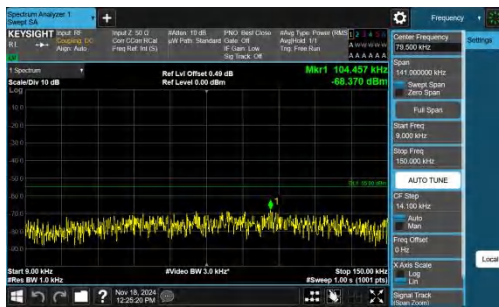
Band7-20MHz-QPSK-21350-1RB#99-PASS



Band7-20MHz-QPSK-21350-100RB#0-PASS

# Conducted Spurious Emission

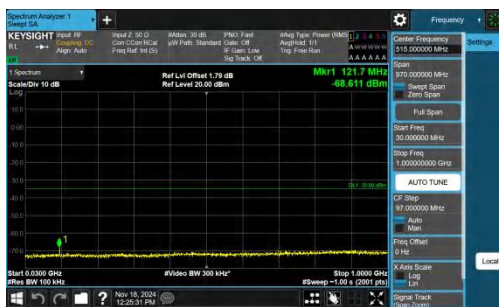
## Test Graphs



Band7-5MHz-QPSK-20775-1RB#0-0.009~0.15-PASS



Band7-5MHz-QPSK-20775-1RB#0-0.15~30-PASS



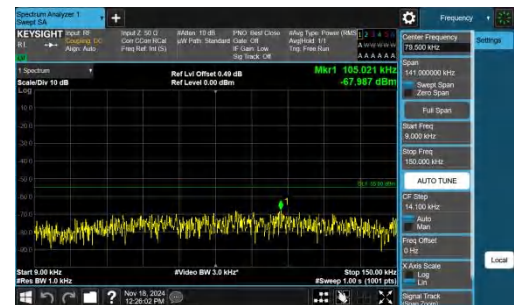
Band7-5MHz-QPSK-20775-1RB#0-30~1000-PASS



Band7-5MHz-QPSK-20775-1RB#0-1000~20000-PASS



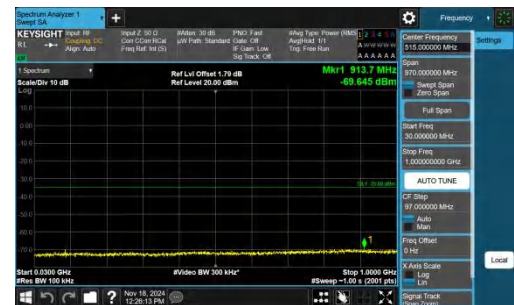
Band7-5MHz-QPSK-20775-1RB#0-20000~27000-PASS



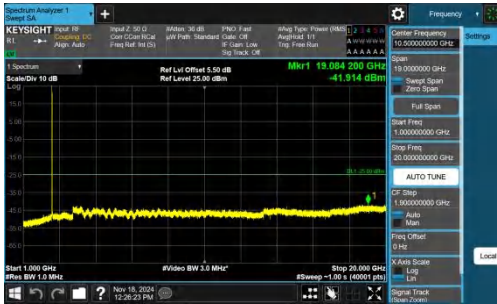
Band7-5MHz-QPSK-20775-1RB#24-0.009~0.15-PASS



Band7-5MHz-QPSK-20775-1RB#24-0.15~30-PASS



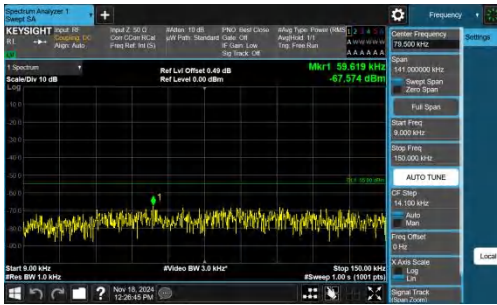
Band7-5MHz-QPSK-20775-1RB#24-30~1000-PASS



Band7-5MHz-QPSK-20775-1RB#24-1000~20000-PASS



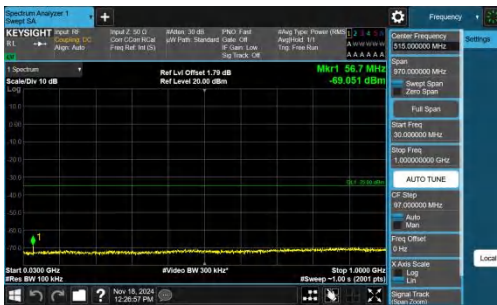
Band7-5MHz-QPSK-20775-1RB#24-20000~27000-PASS



Band7-5MHz-QPSK-21100-1RB#0-0.009~0.15-PASS



Band7-5MHz-QPSK-21100-1RB#0-0.15~30-PASS



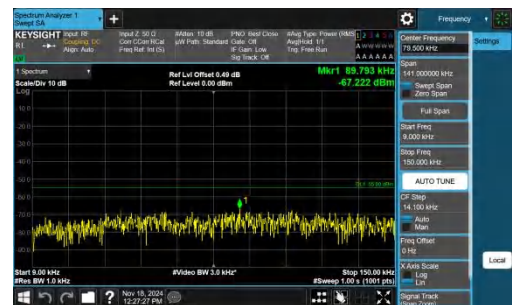
Band7-5MHz-QPSK-21100-1RB#0-30~1000-PASS



Band7-5MHz-QPSK-21100-1RB#0-1000~20000-PASS



Band7-5MHz-QPSK-21100-1RB#0-20000~27000-PASS



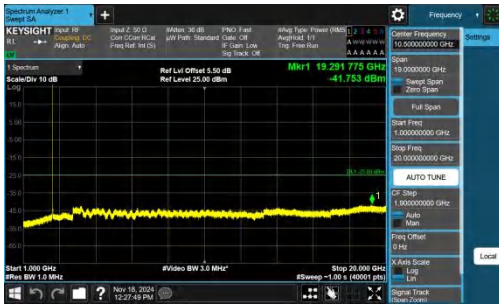
Band7-5MHz-QPSK-21100-1RB#24-0.009~0.15-PASS



Band7-5MHz-QPSK-21100-1RB#24-0.15~30-PASS



Band7-5MHz-QPSK-21100-1RB#24-30~1000-PASS



Band7-5MHz-QPSK-21100-1RB#24-1000~20000-PASS



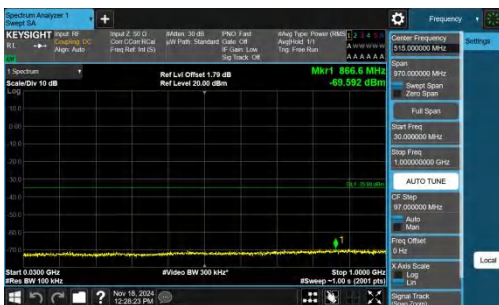
Band7-5MHz-QPSK-21100-1RB#24-20000~27000-PASS



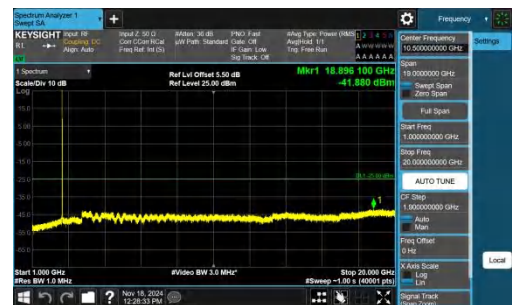
Band7-5MHz-QPSK-21425-1RB#0-0.009~0.15-PASS



Band7-5MHz-QPSK-21425-1RB#0-0.15~30-PASS



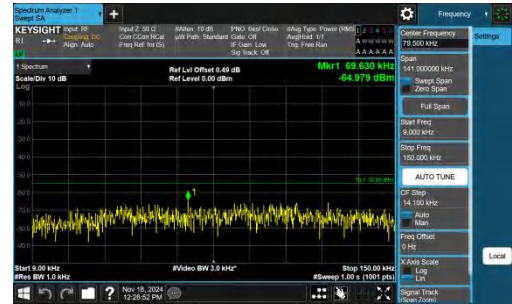
Band7-5MHz-QPSK-21425-1RB#0-30~1000-PASS



Band7-5MHz-QPSK-21425-1RB#0-1000~20000-PASS



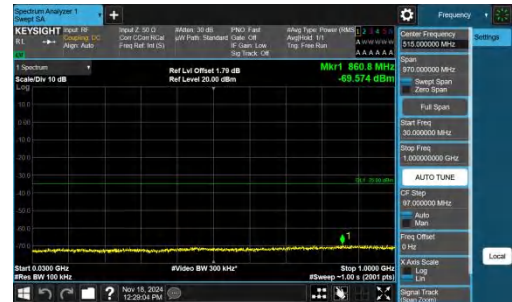
Band7-5MHz-QPSK-21425-1RB#0-20000-PASS



Band7-5MHz-QPSK-21425-1RB#24-0.009~0.15-PASS



Band7-5MHz-QPSK-21425-1RB#24-0.15~30-PASS



Band7-5MHz-QPSK-21425-1RB#24-30~1000-PASS



Band7-5MHz-QPSK-21425-1RB#24-1000~20000-PASS



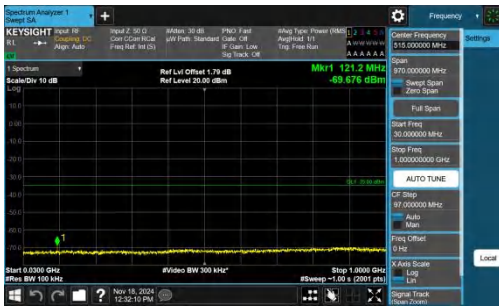
Band7-5MHz-QPSK-21425-1RB#24-20000~27000-PASS



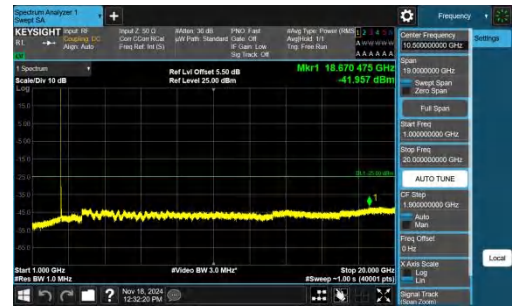
Band7-10MHz-QPSK-20800-1RB#0-0.009~0.15-PASS



Band7-10MHz-QPSK-20800-1RB#0-0.15~30-PASS



Band7-10MHz-QPSK-20800-1RB#0-30~1000-PASS



Band7-10MHz-QPSK-20800-1RB#0-1000~20000-PASS



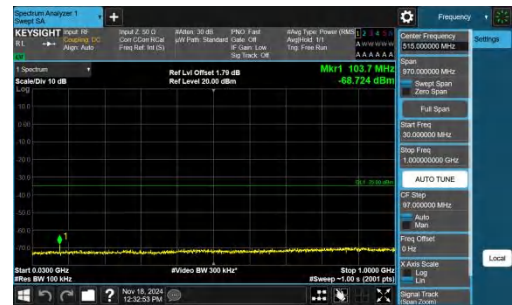
Band7-10MHz-QPSK-20800-1RB#0-20000~27000-PASS



Band7-10MHz-QPSK-20800-1RB#49-0.009~0.15-PASS



Band7-10MHz-QPSK-20800-1RB#49-0.15~30-PASS



Band7-10MHz-QPSK-20800-1RB#49-30~1000-PASS



Band7-10MHz-QPSK-20800-1RB#49-1000~20000-PASS



Band7-10MHz-QPSK-20800-1RB#49-20000~27000-PASS



Band7-10MHz-QPSK-21100-1RB#0-0.009~0.15-PASS



Band7-10MHz-QPSK-21100-1RB#0-0.15~30-PASS



Band7-10MHz-QPSK-21100-1RB#0-30~1000-PASS



Band7-10MHz-QPSK-21100-1RB#0-1000~20000-PASS



Band7-10MHz-QPSK-21100-1RB#0-20000~27000-PASS



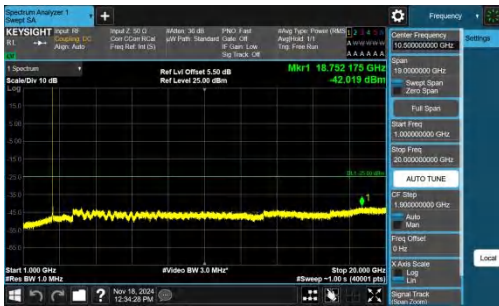
Band7-10MHz-QPSK-21100-1RB#49-0.009~0.15-PASS



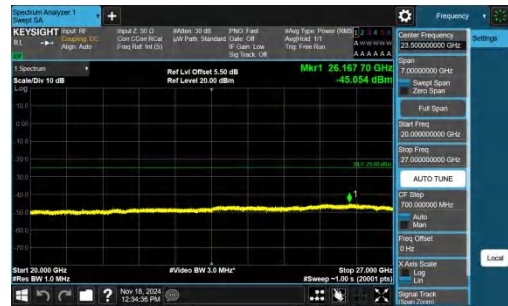
Band7-10MHz-QPSK-21100-1RB#49-0.15~30-PASS



Band7-10MHz-QPSK-21100-1RB#49-30~1000-PASS



Band7-10MHz-QPSK-21100-1RB#49-1000~20000-PASS



Band7-10MHz-QPSK-21100-1RB#49-20000~27000-PASS



Band7-10MHz-QPSK-21400-1RB#0-0.009~0.15-PASS



Band7-10MHz-QPSK-21400-1RB#0-0.15~30-PASS



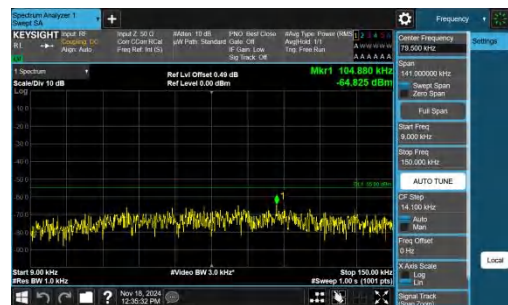
Band7-10MHz-QPSK-21400-1RB#0-30~1000-PASS



Band7-10MHz-QPSK-21400-1RB#0-1000~20000-PASS



Band7-10MHz-QPSK-21400-1RB#0-20000~27000-PASS



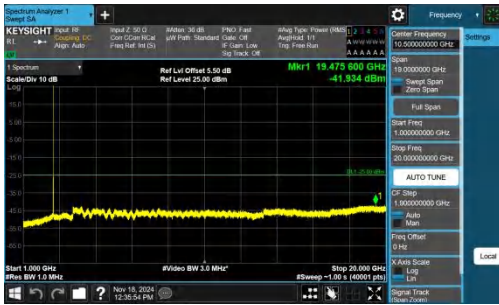
Band7-10MHz-QPSK-21400-1RB#49-0.009~0.15-PASS



Band7-10MHz-QPSK-21400-1RB#49-0.15~30-PASS



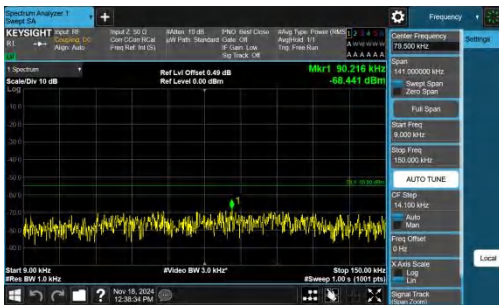
Band7-10MHz-QPSK-21400-1RB#49-30~1000-PASS



Band7-10MHz-QPSK-21400-1RB#49-1000~20000-PASS



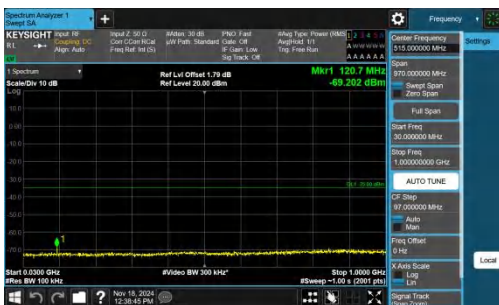
Band7-10MHz-QPSK-21400-1RB#49-20000~27000-PASS



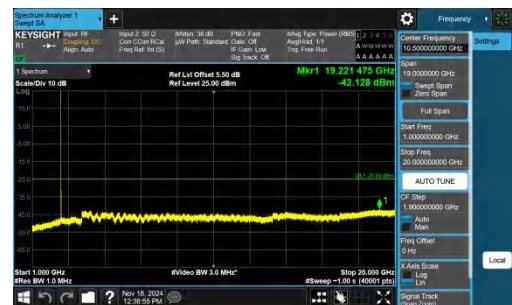
Band7-15MHz-QPSK-20825-1RB#0-0.009~0.15-PASS



Band7-15MHz-QPSK-20825-1RB#0-0.15~30-PASS



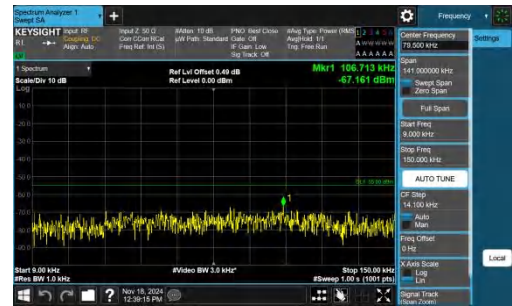
Band7-15MHz-QPSK-20825-1RB#0-30~1000-PASS



Band7-15MHz-QPSK-20825-1RB#0-1000~20000-PASS



Band7-15MHz-QPSK-20825-1RB#0-20000~27000-PASS



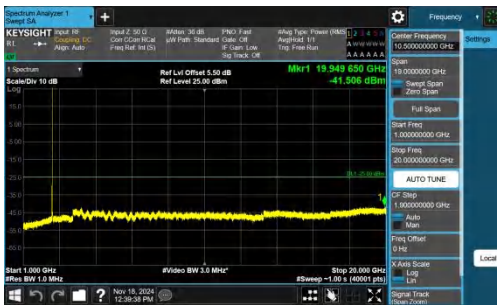
Band7-15MHz-QPSK-20825-1RB#74-0.009~0.15-PASS



Band7-15MHz-QPSK-20825-1RB#74-0.15~30-PASS



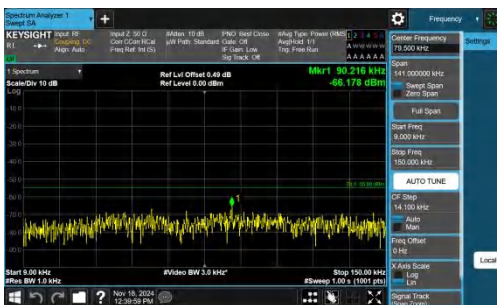
Band7-15MHz-QPSK-20825-1RB#74-30~1000-PASS



Band7-15MHz-QPSK-20825-1RB#74-1000~20000-PASS



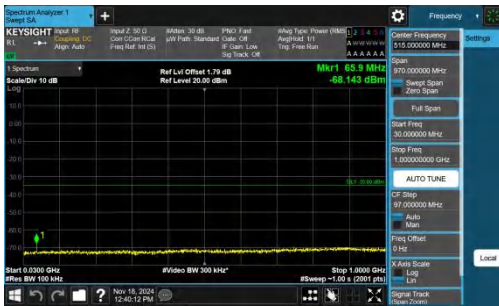
Band7-15MHz-QPSK-20825-1RB#74-20000~27000-PASS



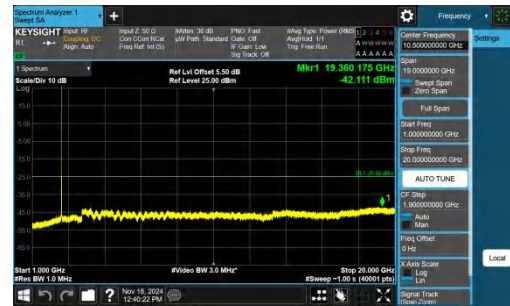
Band7-15MHz-QPSK-21100-1RB#0-0.009~0.15-PASS



Band7-15MHz-QPSK-21100-1RB#0-0.15~30-PASS



Band7-15MHz-QPSK-21100-1RB#0-30~1000-PASS



Band7-15MHz-QPSK-21100-1RB#0-1000~20000-PASS



Band7-15MHz-QPSK-21100-1RB#0-20000~27000-PASS



Band7-15MHz-QPSK-21100-1RB#74-0.009~0.15-PASS



Band7-15MHz-QPSK-21100-1RB#74-0.15~30-PASS



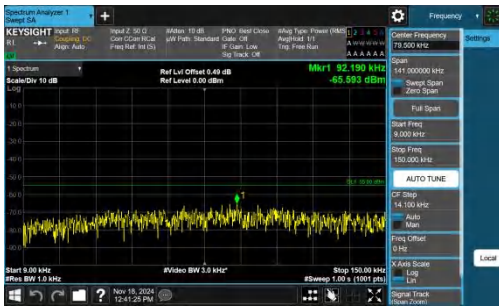
Band7-15MHz-QPSK-21100-1RB#74-30~1000-PASS



Band7-15MHz-QPSK-21100-1RB#74-1000~20000-PASS



Band7-15MHz-QPSK-21100-1RB#74-20000~27000-PASS



Band7-15MHz-QPSK-21375-1RB#0-0.009~0.15-PASS



Band7-15MHz-QPSK-21375-1RB#0-0.15~30-PASS



Band7-15MHz-QPSK-21375-1RB#0-30~1000-PASS



Band7-15MHz-QPSK-21375-1RB#0-1000~20000-PASS



Band7-15MHz-QPSK-21375-1RB#0-20000~27000-PASS



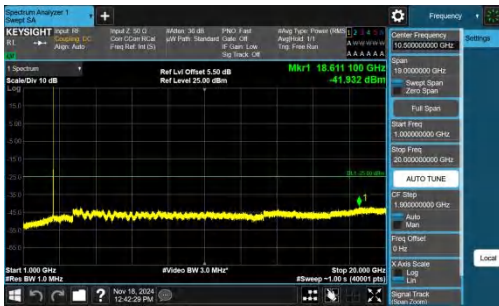
Band7-15MHz-QPSK-21375-1RB#74-0.009~0.15-PASS



Band7-15MHz-QPSK-21375-1RB#74-0.15~30-PASS



Band7-15MHz-QPSK-21375-1RB#74-30~1000-PASS



Band7-15MHz-QPSK-21375-1RB#74-1000~20000-PASS



Band7-15MHz-QPSK-21375-1RB#74-20000~27000-PASS



Band7-20MHz-QPSK-20850-1RB#0-0.009~0.15-PASS



Band7-20MHz-QPSK-20850-1RB#0-0.15~30-PASS



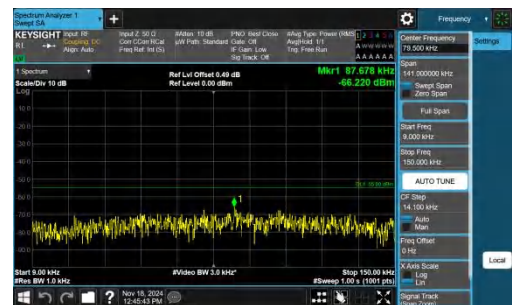
Band7-20MHz-QPSK-20850-1RB#0-30~1000-PASS



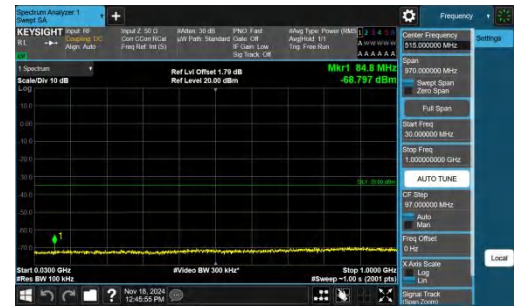
Band7-20MHz-QPSK-20850-1RB#0-1000~20000-PASS



Band7-20MHz-QPSK-20850-1RB#0-20000~27000-PASS

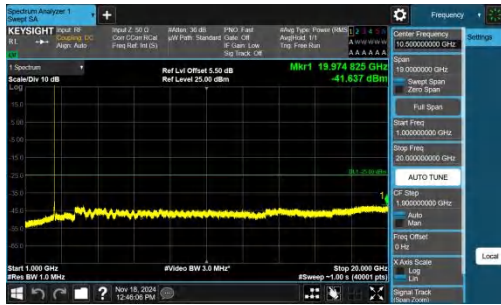


Band7-20MHz-QPSK-20850-1RB#99-0.009~0.15-PASS



Band7-20MHz-QPSK-20850-1RB#99-0.15~30-PASS

Band7-20MHz-QPSK-20850-1RB#99-30~1000-PASS



Band7-20MHz-QPSK-20850-1RB#99-1000~20000-PASS

Band7-20MHz-QPSK-20850-1RB#99-20000~27000-PASS



Band7-20MHz-QPSK-21100-1RB#0-0.009~0.15-PASS

Band7-20MHz-QPSK-21100-1RB#0-0.15~30-PASS



Band7-20MHz-QPSK-21100-1RB#0-30~1000-PASS

Band7-20MHz-QPSK-21100-1RB#0-1000~20000-PASS



Band7-20MHz-QPSK-21100-1RB#0-20000~27000-PASS



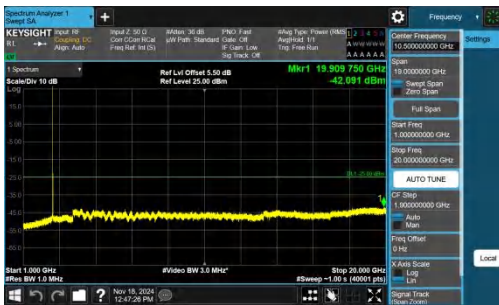
Band7-20MHz-QPSK-21100-1RB#99-0.009~0.15-PASS



Band7-20MHz-QPSK-21100-1RB#99-0.15~30-PASS



Band7-20MHz-QPSK-21100-1RB#99-30~1000-PASS



Band7-20MHz-QPSK-21100-1RB#99-1000~20000-PASS



Band7-20MHz-QPSK-21100-1RB#99-20000~27000-PASS



Band7-20MHz-QPSK-21350-1RB#0-0.009~0.15-PASS



Band7-20MHz-QPSK-21350-1RB#0-0.15~30-PASS



Band7-20MHz-QPSK-21350-1RB#0-30~1000-PASS



Band7-20MHz-QPSK-21350-1RB#0-1000~20000-PASS



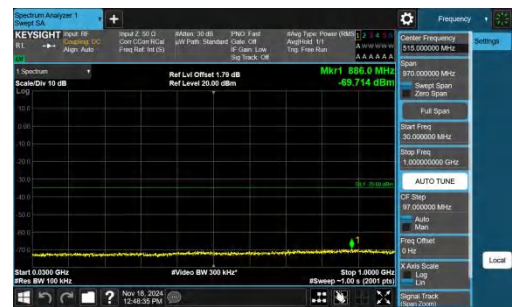
Band7-20MHz-QPSK-21350-1RB#0-20000~27000-PASS



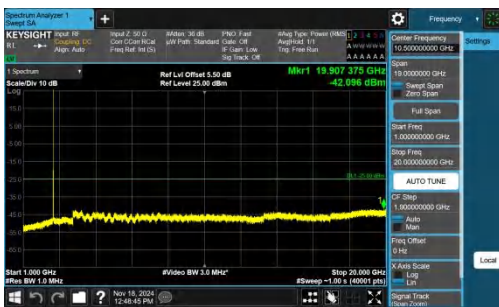
Band7-20MHz-QPSK-21350-1RB#99-0.009~0.15-PASS



Band7-20MHz-QPSK-21350-1RB#99-0.15~30-PASS



Band7-20MHz-QPSK-21350-1RB#99-30~1000-PASS



Band7-20MHz-QPSK-21350-1RB#99-1000~20000-PASS



Band7-20MHz-QPSK-21350-1RB#99-20000~27000-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 7  | 20MHz     | QPSK       | 21100   | 100RB#0          | VN            | NT               | 4170.00        | 1.644970        | ±NA         | 2526.06967 | 2543.93867 | 2500-2570   | PASS    |
| Band 7  | 20MHz     | QPSK       | 21100   | 100RB#0          | VL            | NT               | 19070.00       | 7.522682        | ±NA         | 2526.09157 | 2543.94657 | 2500-2570   | PASS    |
| Band 7  | 20MHz     | QPSK       | 21100   | 100RB#0          | VH            | NT               | 790.00         | 0.311637        | ±NA         | 2526.06979 | 2543.93179 | 2500-2570   | 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 7      | 20MHz     | QPSK       | 21100   | 100RB#0          | NV            | -30              | 11490.00       | 4.532544        | ±NA         | 2526.07299 | 2543.94999 | 2500-2570   | PASS    |
| Band 7      | 20MHz     | QPSK       | 21100   | 100RB#0          | NV            | -20              | 8850.00        | 3.491124        | ±NA         | 2526.07485 | 2543.94285 | 2500-2570   | PASS    |
| Band 7      | 20MHz     | QPSK       | 21100   | 100RB#0          | NV            | -10              | 6480.00        | 2.556213        | ±NA         | 2526.06998 | 2543.94298 | 2500-2570   | PASS    |
| Band 7      | 20MHz     | QPSK       | 21100   | 100RB#0          | NV            | 0                | 5650.00        | 2.228797        | ±NA         | 2526.06665 | 2543.94465 | 2500-2570   | PASS    |
| Band 7      | 20MHz     | QPSK       | 21100   | 100RB#0          | NV            | 10               | 14810.00       | 5.842209        | ±NA         | 2526.08331 | 2543.94631 | 2500-2570   | PASS    |
| Band 7      | 20MHz     | QPSK       | 21100   | 100RB#0          | NV            | 20               | 14980.00       | 5.909270        | ±NA         | 2526.09298 | 2543.93698 | 2500-2570   | PASS    |
| Band 7      | 20MHz     | QPSK       | 21100   | 100RB#0          | NV            | 30               | 19420.00       | 7.660750        | ±NA         | 2526.09092 | 2543.94792 | 2500-2570   | PASS    |
| Band 7      | 20MHz     | QPSK       | 21100   | 100RB#0          | NV            | 40               | 14340.00       | 5.656805        | ±NA         | 2526.08334 | 2543.94534 | 2500-2570   | PASS    |
| Band 7      | 20MHz     | QPSK       | 21100   | 100RB#0          | NV            | 50               | 2560.00        | 1.009862        | ±NA         | 2526.07306 | 2543.93206 | 2500-2570   | PASS    |

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