

## Effective (Isotropic) Radiated Power Output Data

### Test Result

| Band  | Bandwidth | Modulation | Channel | RB Configuration | Result (dBm) | Gain (dBi) | E(I)RP (dBm) | Limit (dBm) | Verdict |
|-------|-----------|------------|---------|------------------|--------------|------------|--------------|-------------|---------|
| Band5 | 1.4MHz    | QPSK       | 20407   | 1RB#0            | 23.21        | 2.13       | 23.19        | 38.45       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20407   | 1RB#2            | 23.54        | 2.13       | 23.52        | 38.45       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20407   | 1RB#5            | 22.78        | 2.13       | 22.76        | 38.45       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20407   | 6RB#0            | 22.07        | 2.13       | 22.05        | 38.45       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 1RB#0            | 23.55        | 2.13       | 23.53        | 38.45       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 1RB#2            | 23.85        | 2.13       | 23.83        | 38.45       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 1RB#5            | 23.08        | 2.13       | 23.06        | 38.45       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 6RB#0            | 22.36        | 2.13       | 22.34        | 38.45       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 1RB#0            | 23.56        | 2.13       | 23.54        | 38.45       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 1RB#2            | 23.61        | 2.13       | 23.59        | 38.45       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 1RB#5            | 23.5         | 2.13       | 23.48        | 38.45       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 6RB#0            | 22.16        | 2.13       | 22.14        | 38.45       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 1RB#0            | 22.08        | 2.13       | 22.06        | 38.45       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 1RB#2            | 22.52        | 2.13       | 22.5         | 38.45       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 1RB#5            | 21.77        | 2.13       | 21.75        | 38.45       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 6RB#0            | 21.08        | 2.13       | 21.06        | 38.45       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20525   | 1RB#0            | 22.34        | 2.13       | 22.32        | 38.45       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20525   | 1RB#2            | 22.72        | 2.13       | 22.7         | 38.45       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20525   | 1RB#5            | 21.92        | 2.13       | 21.9         | 38.45       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20525   | 6RB#0            | 21.35        | 2.13       | 21.33        | 38.45       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20643   | 1RB#0            | 22.37        | 2.13       | 22.35        | 38.45       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20643   | 1RB#2            | 22.83        | 2.13       | 22.81        | 38.45       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20643   | 1RB#5            | 22.35        | 2.13       | 22.33        | 38.45       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20643   | 6RB#0            | 21.03        | 2.13       | 21.01        | 38.45       | PASS    |
| Band5 | 3MHz      | QPSK       | 20415   | 1RB#0            | 23.14        | 2.13       | 23.12        | 38.45       | PASS    |
| Band5 | 3MHz      | QPSK       | 20415   | 1RB#8            | 23.49        | 2.13       | 23.47        | 38.45       | PASS    |
| Band5 | 3MHz      | QPSK       | 20415   | 1RB#14           | 22.74        | 2.13       | 22.72        | 38.45       | PASS    |
| Band5 | 3MHz      | QPSK       | 20415   | 15RB#0           | 22.13        | 2.13       | 22.11        | 38.45       | PASS    |
| Band5 | 3MHz      | QPSK       | 20525   | 1RB#0            | 23.43        | 2.13       | 23.41        | 38.45       | PASS    |
| Band5 | 3MHz      | QPSK       | 20525   | 1RB#8            | 23.82        | 2.13       | 23.8         | 38.45       | PASS    |
| Band5 | 3MHz      | QPSK       | 20525   | 1RB#14           | 23.01        | 2.13       | 22.99        | 38.45       | PASS    |
| Band5 | 3MHz      | QPSK       | 20525   | 15RB#0           | 22.41        | 2.13       | 22.39        | 38.45       | PASS    |
| Band5 | 3MHz      | QPSK       | 20635   | 1RB#0            | 23.36        | 2.13       | 23.34        | 38.45       | PASS    |
| Band5 | 3MHz      | QPSK       | 20635   | 1RB#8            | 23.67        | 2.13       | 23.65        | 38.45       | PASS    |

|       |       |       |       |        |       |      |       |       |      |
|-------|-------|-------|-------|--------|-------|------|-------|-------|------|
| Band5 | 3MHz  | QPSK  | 20635 | 1RB#14 | 23.42 | 2.13 | 23.4  | 38.45 | PASS |
| Band5 | 3MHz  | QPSK  | 20635 | 15RB#0 | 22.26 | 2.13 | 22.24 | 38.45 | PASS |
| Band5 | 3MHz  | 16QAM | 20415 | 1RB#0  | 22.18 | 2.13 | 22.16 | 38.45 | PASS |
| Band5 | 3MHz  | 16QAM | 20415 | 1RB#8  | 22.47 | 2.13 | 22.45 | 38.45 | PASS |
| Band5 | 3MHz  | 16QAM | 20415 | 1RB#14 | 21.88 | 2.13 | 21.86 | 38.45 | PASS |
| Band5 | 3MHz  | 16QAM | 20415 | 15RB#0 | 21.2  | 2.13 | 21.18 | 38.45 | PASS |
| Band5 | 3MHz  | 16QAM | 20525 | 1RB#0  | 22.3  | 2.13 | 22.28 | 38.45 | PASS |
| Band5 | 3MHz  | 16QAM | 20525 | 1RB#8  | 22.99 | 2.13 | 22.97 | 38.45 | PASS |
| Band5 | 3MHz  | 16QAM | 20525 | 1RB#14 | 21.88 | 2.13 | 21.86 | 38.45 | PASS |
| Band5 | 3MHz  | 16QAM | 20525 | 15RB#0 | 21.37 | 2.13 | 21.35 | 38.45 | PASS |
| Band5 | 3MHz  | 16QAM | 20635 | 1RB#0  | 22.28 | 2.13 | 22.26 | 38.45 | PASS |
| Band5 | 3MHz  | 16QAM | 20635 | 1RB#8  | 22.75 | 2.13 | 22.73 | 38.45 | PASS |
| Band5 | 3MHz  | 16QAM | 20635 | 1RB#14 | 22.55 | 2.13 | 22.53 | 38.45 | PASS |
| Band5 | 3MHz  | 16QAM | 20635 | 15RB#0 | 21.28 | 2.13 | 21.26 | 38.45 | PASS |
| Band5 | 5MHz  | QPSK  | 20425 | 1RB#0  | 23.19 | 2.13 | 23.17 | 38.45 | PASS |
| Band5 | 5MHz  | QPSK  | 20425 | 1RB#12 | 23.02 | 2.13 | 23    | 38.45 | PASS |
| Band5 | 5MHz  | QPSK  | 20425 | 1RB#24 | 23.04 | 2.13 | 23.02 | 38.45 | PASS |
| Band5 | 5MHz  | QPSK  | 20425 | 25RB#0 | 22.08 | 2.13 | 22.06 | 38.45 | PASS |
| Band5 | 5MHz  | QPSK  | 20525 | 1RB#0  | 23.37 | 2.13 | 23.35 | 38.45 | PASS |
| Band5 | 5MHz  | QPSK  | 20525 | 1RB#12 | 23.24 | 2.13 | 23.22 | 38.45 | PASS |
| Band5 | 5MHz  | QPSK  | 20525 | 1RB#24 | 23.59 | 2.13 | 23.57 | 38.45 | PASS |
| Band5 | 5MHz  | QPSK  | 20525 | 25RB#0 | 22.31 | 2.13 | 22.29 | 38.45 | PASS |
| Band5 | 5MHz  | QPSK  | 20625 | 1RB#0  | 23.26 | 2.13 | 23.24 | 38.45 | PASS |
| Band5 | 5MHz  | QPSK  | 20625 | 1RB#12 | 22.98 | 2.13 | 22.96 | 38.45 | PASS |
| Band5 | 5MHz  | QPSK  | 20625 | 1RB#24 | 23.49 | 2.13 | 23.47 | 38.45 | PASS |
| Band5 | 5MHz  | QPSK  | 20625 | 25RB#0 | 22.2  | 2.13 | 22.18 | 38.45 | PASS |
| Band5 | 5MHz  | 16QAM | 20425 | 1RB#0  | 22.23 | 2.13 | 22.21 | 38.45 | PASS |
| Band5 | 5MHz  | 16QAM | 20425 | 1RB#12 | 21.94 | 2.13 | 21.92 | 38.45 | PASS |
| Band5 | 5MHz  | 16QAM | 20425 | 1RB#24 | 21.94 | 2.13 | 21.92 | 38.45 | PASS |
| Band5 | 5MHz  | 16QAM | 20425 | 25RB#0 | 21.13 | 2.13 | 21.11 | 38.45 | PASS |
| Band5 | 5MHz  | 16QAM | 20525 | 1RB#0  | 22.56 | 2.13 | 22.54 | 38.45 | PASS |
| Band5 | 5MHz  | 16QAM | 20525 | 1RB#12 | 22.41 | 2.13 | 22.39 | 38.45 | PASS |
| Band5 | 5MHz  | 16QAM | 20525 | 1RB#24 | 22.73 | 2.13 | 22.71 | 38.45 | PASS |
| Band5 | 5MHz  | 16QAM | 20525 | 25RB#0 | 21.28 | 2.13 | 21.26 | 38.45 | PASS |
| Band5 | 5MHz  | 16QAM | 20625 | 1RB#0  | 22.09 | 2.13 | 22.07 | 38.45 | PASS |
| Band5 | 5MHz  | 16QAM | 20625 | 1RB#12 | 21.89 | 2.13 | 21.87 | 38.45 | PASS |
| Band5 | 5MHz  | 16QAM | 20625 | 1RB#24 | 22.4  | 2.13 | 22.38 | 38.45 | PASS |
| Band5 | 5MHz  | 16QAM | 20625 | 25RB#0 | 21.19 | 2.13 | 21.17 | 38.45 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 1RB#0  | 23.16 | 2.13 | 23.14 | 38.45 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 1RB#24 | 23.28 | 2.13 | 23.26 | 38.45 | PASS |

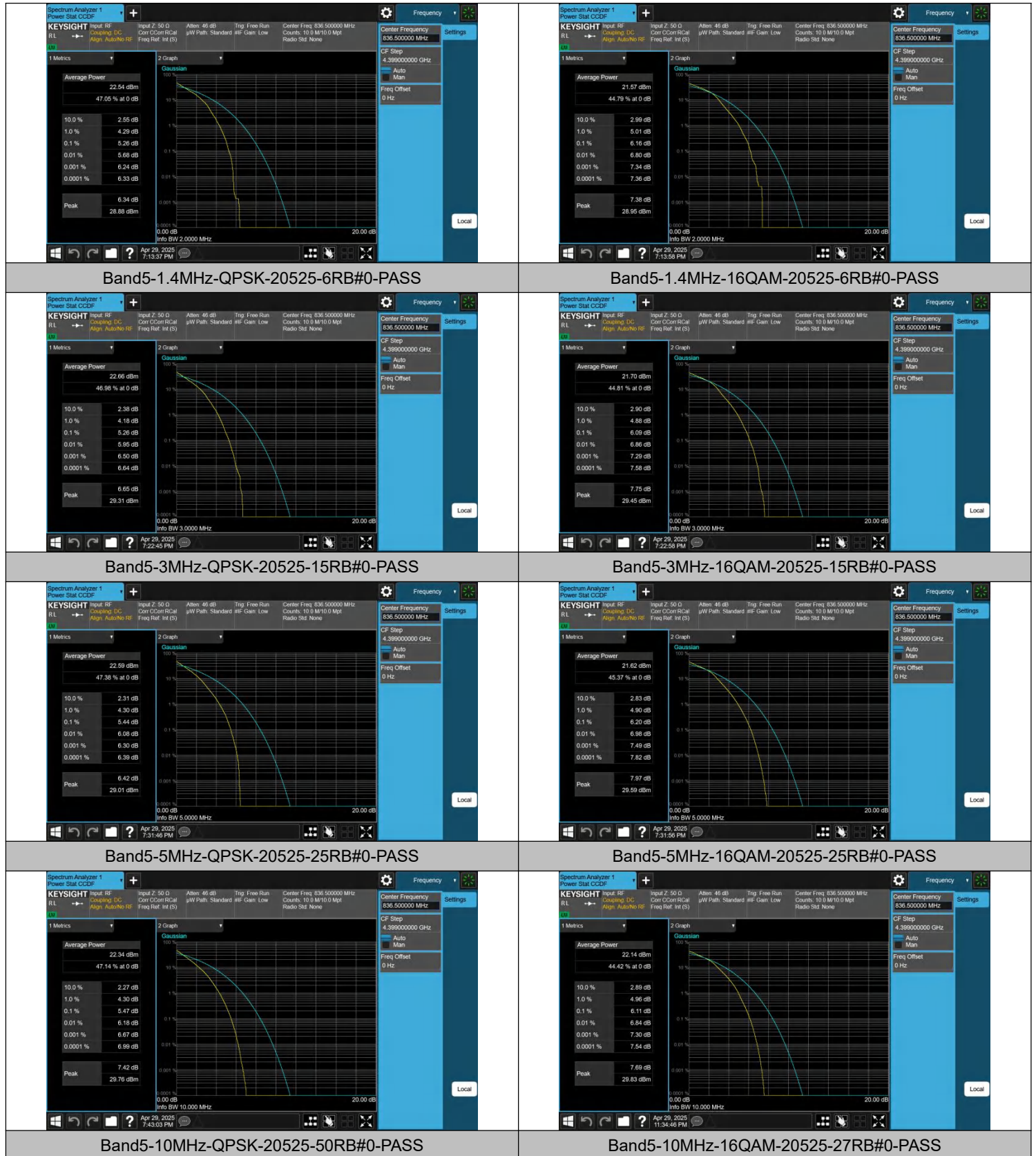
|       |       |       |       |        |       |      |       |       |      |
|-------|-------|-------|-------|--------|-------|------|-------|-------|------|
| Band5 | 10MHz | QPSK  | 20450 | 1RB#49 | 22.31 | 2.13 | 22.29 | 38.45 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 50RB#0 | 22.24 | 2.13 | 22.22 | 38.45 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 1RB#0  | 23.52 | 2.13 | 23.5  | 38.45 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 1RB#24 | 23.73 | 2.13 | 23.71 | 38.45 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 1RB#49 | 23.8  | 2.13 | 23.78 | 38.45 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 50RB#0 | 22.37 | 2.13 | 22.35 | 38.45 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 1RB#0  | 24.13 | 2.13 | 24.11 | 38.45 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 1RB#24 | 23.01 | 2.13 | 22.99 | 38.45 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 1RB#49 | 23.36 | 2.13 | 23.34 | 38.45 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 50RB#0 | 22.13 | 2.13 | 22.11 | 38.45 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 27RB#0 | 21.41 | 2.13 | 21.39 | 38.45 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 27RB#0 | 21.97 | 2.13 | 21.95 | 38.45 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 27RB#0 | 21.22 | 2.13 | 21.2  | 38.45 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 1RB#0  | 22.1  | 2.13 | 22.08 | 38.45 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 1RB#24 | 22.27 | 2.13 | 22.25 | 38.45 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 1RB#49 | 21.41 | 2.13 | 21.39 | 38.45 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 1RB#0  | 22.5  | 2.13 | 22.48 | 38.45 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 1RB#24 | 22.91 | 2.13 | 22.89 | 38.45 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 1RB#49 | 22.63 | 2.13 | 22.61 | 38.45 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 1RB#0  | 22.88 | 2.13 | 22.86 | 38.45 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 1RB#24 | 21.94 | 2.13 | 21.92 | 38.45 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 1RB#49 | 22.33 | 2.13 | 22.31 | 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            | 5.26       | 13        | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20525   | 6RB#0            | 6.16       | 13        | PASS    |
| Band5 | 3MHz      | QPSK       | 20525   | 15RB#0           | 5.26       | 13        | PASS    |
| Band5 | 3MHz      | 16QAM      | 20525   | 15RB#0           | 6.09       | 13        | PASS    |
| Band5 | 5MHz      | QPSK       | 20525   | 25RB#0           | 5.44       | 13        | PASS    |
| Band5 | 5MHz      | 16QAM      | 20525   | 25RB#0           | 6.20       | 13        | PASS    |
| Band5 | 10MHz     | QPSK       | 20525   | 50RB#0           | 5.47       | 13        | PASS    |
| Band5 | 10MHz     | 16QAM      | 20525   | 27RB#0           | 6.11       | 13        | PASS    |

# Test Graphs

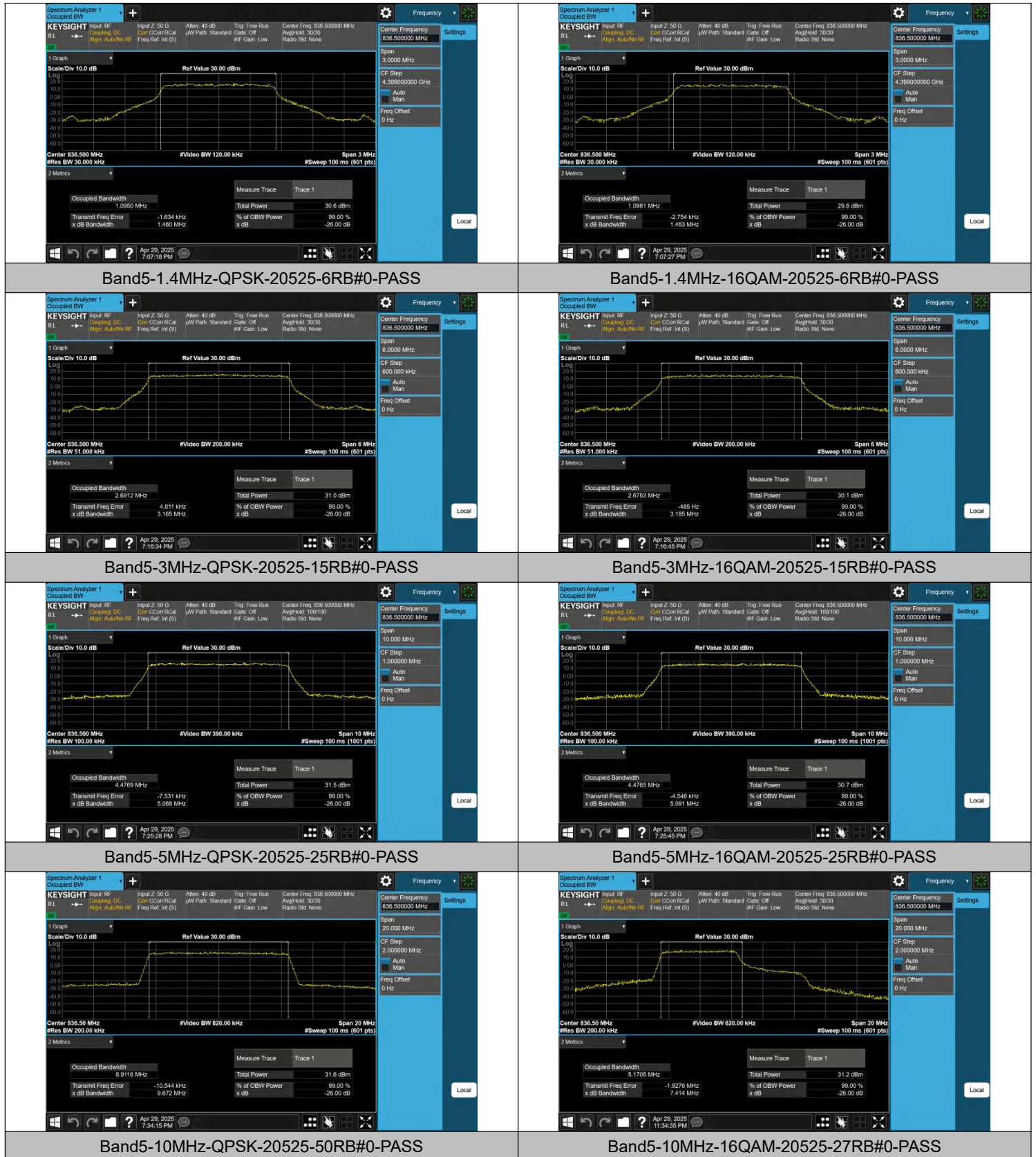


## 26dB Bandwidth and Occupied Bandwidth

### Test Result

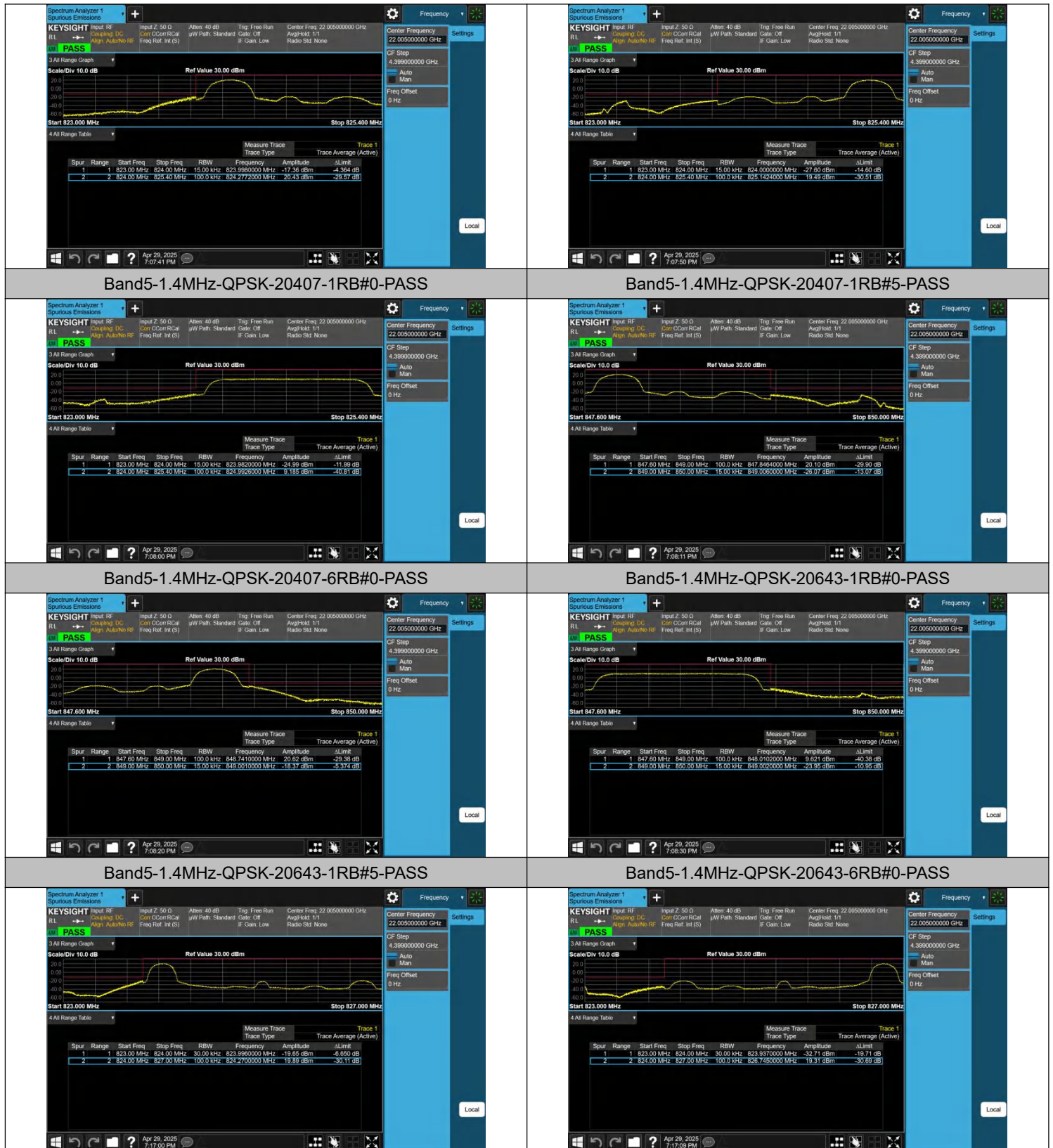
| Band  | Bandwidth | Modulation | Channel | RB Configuration | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|-------|-----------|------------|---------|------------------|--------------------------|----------------------|---------|
| Band5 | 1.4MHz    | QPSK       | 20525   | 6RB#0            | 1.0950                   | 1.460                | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20525   | 6RB#0            | 1.0981                   | 1.463                | PASS    |
| Band5 | 3MHz      | QPSK       | 20525   | 15RB#0           | 2.6912                   | 3.165                | PASS    |
| Band5 | 3MHz      | 16QAM      | 20525   | 15RB#0           | 2.6753                   | 3.185                | PASS    |
| Band5 | 5MHz      | QPSK       | 20525   | 25RB#0           | 4.4769                   | 5.068                | PASS    |
| Band5 | 5MHz      | 16QAM      | 20525   | 25RB#0           | 4.4765                   | 5.091                | PASS    |
| Band5 | 10MHz     | QPSK       | 20525   | 50RB#0           | 8.9116                   | 9.672                | PASS    |
| Band5 | 10MHz     | 16QAM      | 20525   | 27RB#0           | 5.1705                   | 7.414                | PASS    |

# Test Graphs



# Band Edge

## Test Graphs



Band5-3MHz-QPSK-20415-1RB#0-PASS



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



Band5-3MHz-QPSK-20415-15RB#0-PASS



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



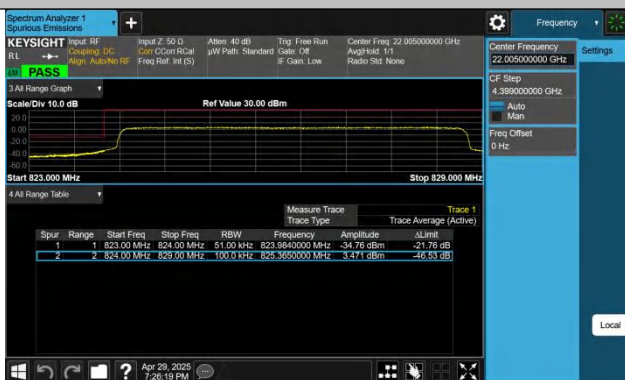
Band5-3MHz-QPSK-20635-1RB#14-PASS



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



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



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

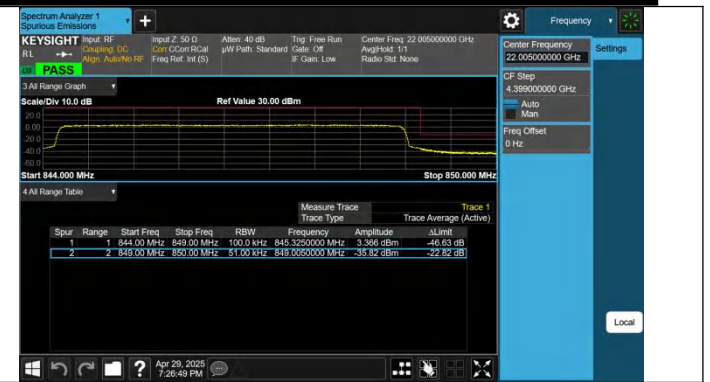


Band5-5MHz-QPSK-20425-25RB#0-PASS

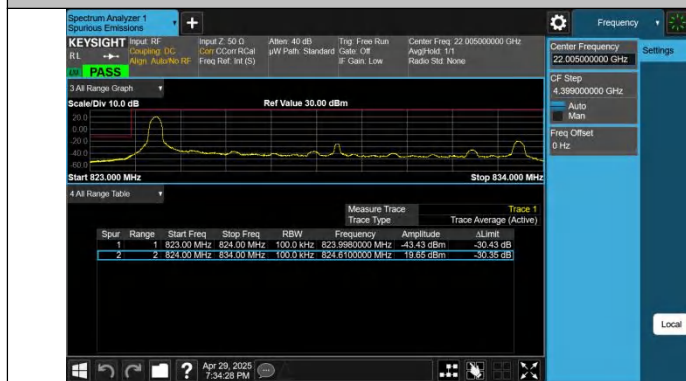
Band5-5MHz-QPSK-20625-1RB#0-PASS



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



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



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



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



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



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



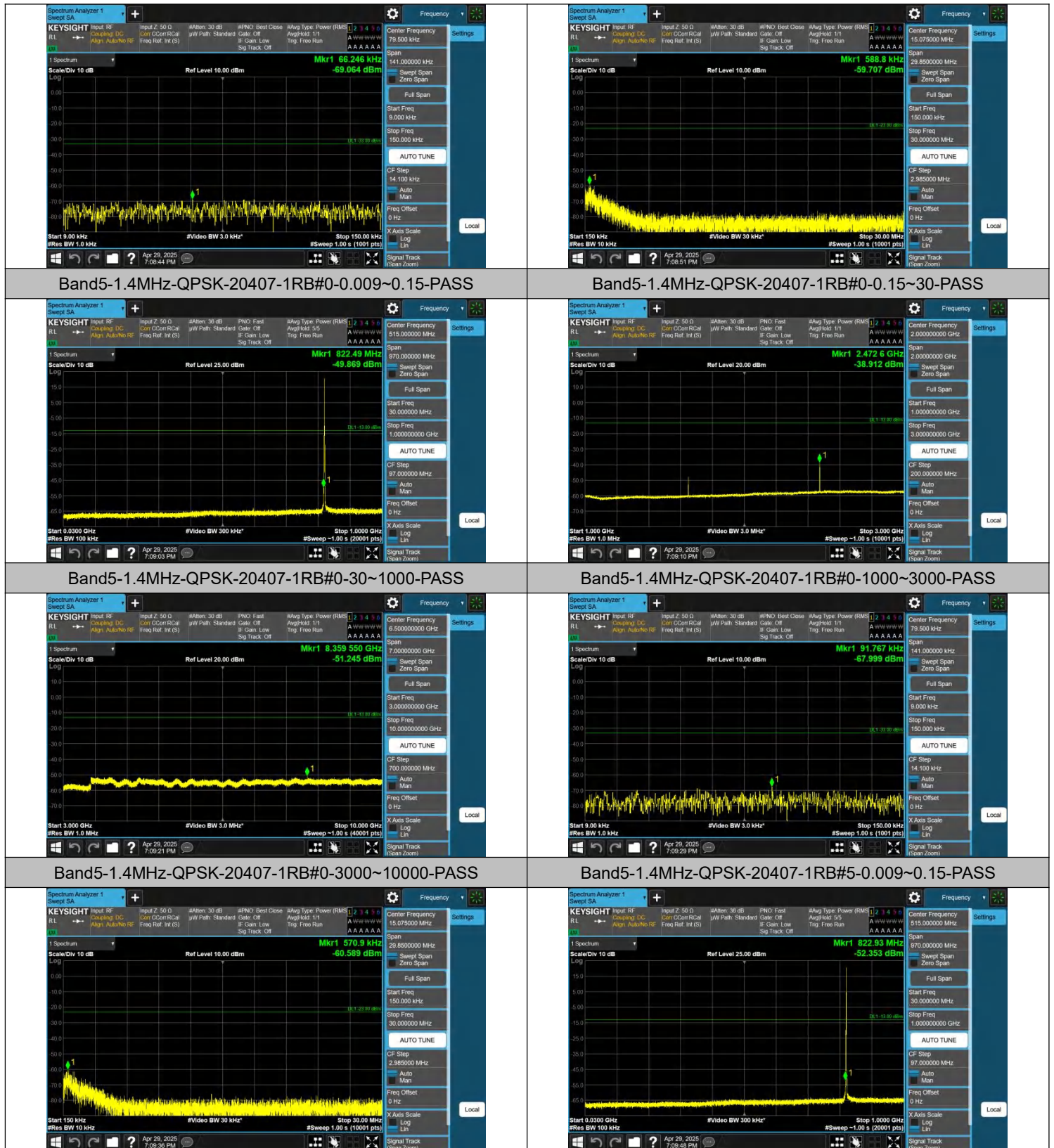
Band5-10MHz-QPSK-20600-1RB#49-PASS



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

# Conducted Spurious Emission

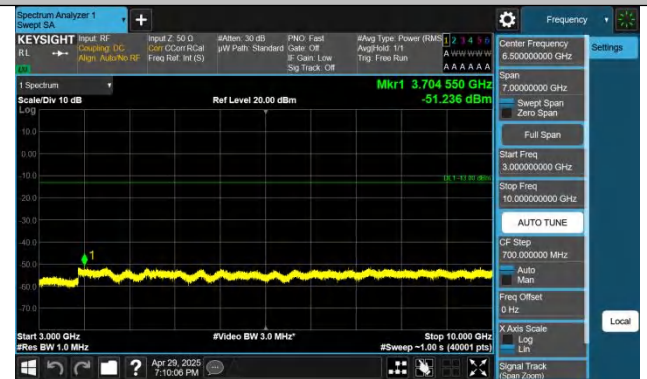
## Test Graphs



Band5-1.4MHz-QPSK-20407-1RB#5-0.15~30-PASS



Band5-1.4MHz-QPSK-20407-1RB#5-30~1000-PASS



Band5-1.4MHz-QPSK-20407-1RB#5-1000~3000-PASS



Band5-1.4MHz-QPSK-20407-1RB#5-3000~10000-PASS



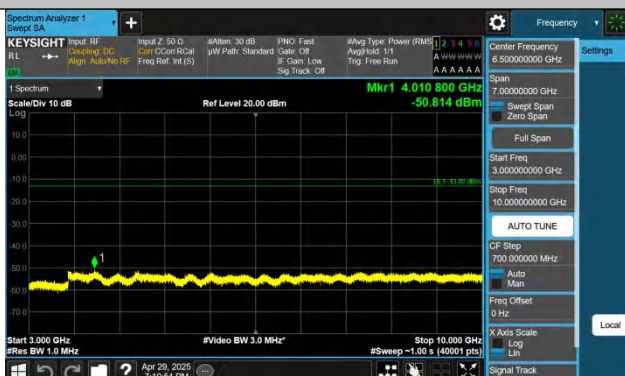
Band5-1.4MHz-QPSK-20525-1RB#0-0.009~0.15-PASS



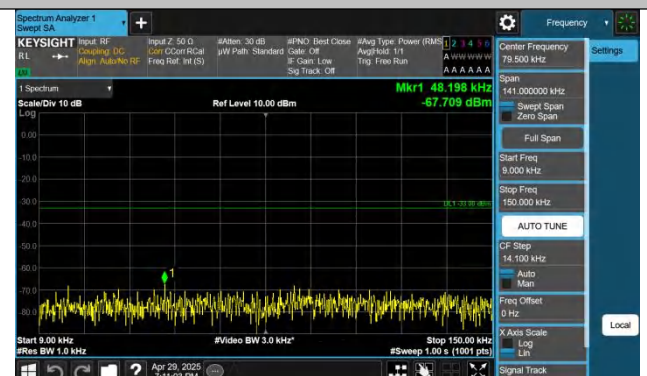
Band5-1.4MHz-QPSK-20525-1RB#0-0.15~30-PASS



Band5-1.4MHz-QPSK-20525-1RB#0-30~1000-PASS



Band5-1.4MHz-QPSK-20525-1RB#0-1000~3000-PASS



Band5-1.4MHz-QPSK-20525-1RB#0-3000~10000-PASS

Band5-1.4MHz-QPSK-20525-1RB#5-0.009~0.15-PASS

