

# Appendix-B LTE Band 2

## Effective (Isotropic) Radiated Power Output Data

### Test Result

| Band  | Bandwidth | Modulation | Channel | RB Configuration | Result (dBm) | EIRP (dBm) | Limit (dBm) | Verdict |
|-------|-----------|------------|---------|------------------|--------------|------------|-------------|---------|
| Band2 | 1.4MHz    | QPSK       | 18607   | 1RB#0            | 23.54        | 24.54      | 33.01       | PASS    |
| Band2 | 1.4MHz    | QPSK       | 18607   | 6RB#0            | 22.39        | 23.39      | 33.01       | PASS    |
| Band2 | 1.4MHz    | QPSK       | 18607   | 1RB#2            | 23.71        | 24.71      | 33.01       | PASS    |
| Band2 | 1.4MHz    | QPSK       | 18607   | 1RB#5            | 22.84        | 23.84      | 33.01       | PASS    |
| Band2 | 1.4MHz    | QPSK       | 18900   | 1RB#0            | 23.28        | 24.28      | 33.01       | PASS    |
| Band2 | 1.4MHz    | QPSK       | 18900   | 6RB#0            | 22.69        | 23.69      | 33.01       | PASS    |
| Band2 | 1.4MHz    | QPSK       | 18900   | 1RB#2            | 23.51        | 24.51      | 33.01       | PASS    |
| Band2 | 1.4MHz    | QPSK       | 18900   | 1RB#5            | 22.65        | 23.65      | 33.01       | PASS    |
| Band2 | 1.4MHz    | QPSK       | 19193   | 1RB#0            | 23.24        | 24.24      | 33.01       | PASS    |
| Band2 | 1.4MHz    | QPSK       | 19193   | 6RB#0            | 23.44        | 24.44      | 33.01       | PASS    |
| Band2 | 1.4MHz    | QPSK       | 19193   | 1RB#2            | 24.00        | 25         | 33.01       | PASS    |
| Band2 | 1.4MHz    | QPSK       | 19193   | 1RB#5            | 23.30        | 24.3       | 33.01       | PASS    |
| Band2 | 1.4MHz    | 16QAM      | 18607   | 1RB#0            | 22.94        | 23.94      | 33.01       | PASS    |
| Band2 | 1.4MHz    | 16QAM      | 18607   | 6RB#0            | 21.61        | 22.61      | 33.01       | PASS    |
| Band2 | 1.4MHz    | 16QAM      | 18607   | 1RB#2            | 23.12        | 24.12      | 33.01       | PASS    |
| Band2 | 1.4MHz    | 16QAM      | 18607   | 1RB#5            | 22.18        | 23.18      | 33.01       | PASS    |
| Band2 | 1.4MHz    | 16QAM      | 18900   | 1RB#0            | 22.54        | 23.54      | 33.01       | PASS    |
| Band2 | 1.4MHz    | 16QAM      | 18900   | 6RB#0            | 21.80        | 22.8       | 33.01       | PASS    |
| Band2 | 1.4MHz    | 16QAM      | 18900   | 1RB#2            | 23.03        | 24.03      | 33.01       | PASS    |
| Band2 | 1.4MHz    | 16QAM      | 18900   | 1RB#5            | 22.05        | 23.05      | 33.01       | PASS    |
| Band2 | 1.4MHz    | 16QAM      | 19193   | 1RB#0            | 22.53        | 23.53      | 33.01       | PASS    |
| Band2 | 1.4MHz    | 16QAM      | 19193   | 6RB#0            | 22.31        | 23.31      | 33.01       | PASS    |
| Band2 | 1.4MHz    | 16QAM      | 19193   | 1RB#2            | 23.21        | 24.21      | 33.01       | PASS    |
| Band2 | 1.4MHz    | 16QAM      | 19193   | 1RB#5            | 22.39        | 23.39      | 33.01       | PASS    |
| Band2 | 3MHz      | QPSK       | 18615   | 1RB#0            | 23.49        | 24.49      | 33.01       | PASS    |
| Band2 | 3MHz      | QPSK       | 18615   | 15RB#0           | 22.60        | 23.6       | 33.01       | PASS    |
| Band2 | 3MHz      | QPSK       | 18615   | 1RB#8            | 23.84        | 24.84      | 33.01       | PASS    |
| Band2 | 3MHz      | QPSK       | 18615   | 1RB#14           | 22.50        | 23.5       | 33.01       | PASS    |
| Band2 | 3MHz      | QPSK       | 18900   | 1RB#0            | 23.36        | 24.36      | 33.01       | PASS    |
| Band2 | 3MHz      | QPSK       | 18900   | 15RB#0           | 22.81        | 23.81      | 33.01       | PASS    |
| Band2 | 3MHz      | QPSK       | 18900   | 1RB#8            | 23.67        | 24.67      | 33.01       | PASS    |
| Band2 | 3MHz      | QPSK       | 18900   | 1RB#14           | 22.23        | 23.23      | 33.01       | PASS    |
| Band2 | 3MHz      | QPSK       | 19185   | 1RB#0            | 23.45        | 24.45      | 33.01       | PASS    |
| Band2 | 3MHz      | QPSK       | 19185   | 15RB#0           | 22.70        | 23.7       | 33.01       | PASS    |
| Band2 | 3MHz      | QPSK       | 19185   | 1RB#8            | 24.24        | 25.24      | 33.01       | PASS    |
| Band2 | 3MHz      | QPSK       | 19185   | 1RB#14           | 22.85        | 23.85      | 33.01       | PASS    |

|       |       |       |       |        |       |       |       |      |
|-------|-------|-------|-------|--------|-------|-------|-------|------|
| Band2 | 3MHz  | 16QAM | 18615 | 1RB#0  | 22.77 | 23.77 | 33.01 | PASS |
| Band2 | 3MHz  | 16QAM | 18615 | 15RB#0 | 21.67 | 22.67 | 33.01 | PASS |
| Band2 | 3MHz  | 16QAM | 18615 | 1RB#8  | 23.22 | 24.22 | 33.01 | PASS |
| Band2 | 3MHz  | 16QAM | 18615 | 1RB#14 | 21.87 | 22.87 | 33.01 | PASS |
| Band2 | 3MHz  | 16QAM | 18900 | 1RB#0  | 22.52 | 23.52 | 33.01 | PASS |
| Band2 | 3MHz  | 16QAM | 18900 | 15RB#0 | 21.94 | 22.94 | 33.01 | PASS |
| Band2 | 3MHz  | 16QAM | 18900 | 1RB#8  | 22.94 | 23.94 | 33.01 | PASS |
| Band2 | 3MHz  | 16QAM | 18900 | 1RB#14 | 21.66 | 22.66 | 33.01 | PASS |
| Band2 | 3MHz  | 16QAM | 19185 | 1RB#0  | 22.74 | 23.74 | 33.01 | PASS |
| Band2 | 3MHz  | 16QAM | 19185 | 15RB#0 | 21.70 | 22.7  | 33.01 | PASS |
| Band2 | 3MHz  | 16QAM | 19185 | 1RB#8  | 23.35 | 24.35 | 33.01 | PASS |
| Band2 | 3MHz  | 16QAM | 19185 | 1RB#14 | 21.93 | 22.93 | 33.01 | PASS |
| Band2 | 5MHz  | QPSK  | 18625 | 1RB#0  | 24.08 | 25.08 | 33.01 | PASS |
| Band2 | 5MHz  | QPSK  | 18625 | 25RB#0 | 23.01 | 24.01 | 33.01 | PASS |
| Band2 | 5MHz  | QPSK  | 18625 | 1RB#12 | 23.41 | 24.41 | 33.01 | PASS |
| Band2 | 5MHz  | QPSK  | 18625 | 1RB#24 | 23.94 | 24.94 | 33.01 | PASS |
| Band2 | 5MHz  | QPSK  | 18900 | 1RB#0  | 23.37 | 24.37 | 33.01 | PASS |
| Band2 | 5MHz  | QPSK  | 18900 | 25RB#0 | 22.89 | 23.89 | 33.01 | PASS |
| Band2 | 5MHz  | QPSK  | 18900 | 1RB#12 | 23.09 | 24.09 | 33.01 | PASS |
| Band2 | 5MHz  | QPSK  | 18900 | 1RB#24 | 23.80 | 24.8  | 33.01 | PASS |
| Band2 | 5MHz  | QPSK  | 19175 | 1RB#0  | 23.57 | 24.57 | 33.01 | PASS |
| Band2 | 5MHz  | QPSK  | 19175 | 25RB#0 | 23.28 | 24.28 | 33.01 | PASS |
| Band2 | 5MHz  | QPSK  | 19175 | 1RB#12 | 23.52 | 24.52 | 33.01 | PASS |
| Band2 | 5MHz  | QPSK  | 19175 | 1RB#24 | 24.18 | 25.18 | 33.01 | PASS |
| Band2 | 5MHz  | 16QAM | 18625 | 1RB#0  | 23.39 | 24.39 | 33.01 | PASS |
| Band2 | 5MHz  | 16QAM | 18625 | 25RB#0 | 22.06 | 23.06 | 33.01 | PASS |
| Band2 | 5MHz  | 16QAM | 18625 | 1RB#12 | 22.79 | 23.79 | 33.01 | PASS |
| Band2 | 5MHz  | 16QAM | 18625 | 1RB#24 | 23.19 | 24.19 | 33.01 | PASS |
| Band2 | 5MHz  | 16QAM | 18900 | 1RB#0  | 22.47 | 23.47 | 33.01 | PASS |
| Band2 | 5MHz  | 16QAM | 18900 | 25RB#0 | 21.85 | 22.85 | 33.01 | PASS |
| Band2 | 5MHz  | 16QAM | 18900 | 1RB#12 | 22.50 | 23.5  | 33.01 | PASS |
| Band2 | 5MHz  | 16QAM | 18900 | 1RB#24 | 22.98 | 23.98 | 33.01 | PASS |
| Band2 | 5MHz  | 16QAM | 19175 | 1RB#0  | 22.67 | 23.67 | 33.01 | PASS |
| Band2 | 5MHz  | 16QAM | 19175 | 25RB#0 | 22.00 | 23    | 33.01 | PASS |
| Band2 | 5MHz  | 16QAM | 19175 | 1RB#12 | 22.76 | 23.76 | 33.01 | PASS |
| Band2 | 5MHz  | 16QAM | 19175 | 1RB#24 | 23.38 | 24.38 | 33.01 | PASS |
| Band2 | 10MHz | QPSK  | 18650 | 1RB#0  | 24.03 | 25.03 | 33.01 | PASS |
| Band2 | 10MHz | QPSK  | 18650 | 50RB#0 | 23.05 | 24.05 | 33.01 | PASS |
| Band2 | 10MHz | QPSK  | 18650 | 1RB#24 | 23.74 | 24.74 | 33.01 | PASS |
| Band2 | 10MHz | QPSK  | 18650 | 1RB#49 | 23.64 | 24.64 | 33.01 | PASS |
| Band2 | 10MHz | QPSK  | 18900 | 1RB#0  | 23.46 | 24.46 | 33.01 | PASS |
| Band2 | 10MHz | QPSK  | 18900 | 50RB#0 | 22.74 | 23.74 | 33.01 | PASS |
| Band2 | 10MHz | QPSK  | 18900 | 1RB#24 | 23.53 | 24.53 | 33.01 | PASS |
| Band2 | 10MHz | QPSK  | 18900 | 1RB#49 | 23.83 | 24.83 | 33.01 | PASS |
| Band2 | 10MHz | QPSK  | 19150 | 1RB#0  | 23.70 | 24.7  | 33.01 | PASS |

|       |       |       |       |         |       |       |       |      |
|-------|-------|-------|-------|---------|-------|-------|-------|------|
| Band2 | 10MHz | QPSK  | 19150 | 50RB#0  | 23.16 | 24.16 | 33.01 | PASS |
| Band2 | 10MHz | QPSK  | 19150 | 1RB#24  | 23.41 | 24.41 | 33.01 | PASS |
| Band2 | 10MHz | QPSK  | 19150 | 1RB#49  | 24.28 | 25.28 | 33.01 | PASS |
| Band2 | 10MHz | 16QAM | 18650 | 1RB#0   | 23.39 | 24.39 | 33.01 | PASS |
| Band2 | 10MHz | 16QAM | 18650 | 27RB#0  | 21.87 | 22.87 | 33.01 | PASS |
| Band2 | 10MHz | 16QAM | 18650 | 1RB#24  | 23.04 | 24.04 | 33.01 | PASS |
| Band2 | 10MHz | 16QAM | 18650 | 1RB#49  | 22.68 | 23.68 | 33.01 | PASS |
| Band2 | 10MHz | 16QAM | 18900 | 1RB#0   | 22.53 | 23.53 | 33.01 | PASS |
| Band2 | 10MHz | 16QAM | 18900 | 27RB#0  | 21.49 | 22.49 | 33.01 | PASS |
| Band2 | 10MHz | 16QAM | 18900 | 1RB#24  | 22.69 | 23.69 | 33.01 | PASS |
| Band2 | 10MHz | 16QAM | 18900 | 1RB#49  | 23.17 | 24.17 | 33.01 | PASS |
| Band2 | 10MHz | 16QAM | 19150 | 1RB#0   | 22.73 | 23.73 | 33.01 | PASS |
| Band2 | 10MHz | 16QAM | 19150 | 27RB#0  | 21.59 | 22.59 | 33.01 | PASS |
| Band2 | 10MHz | 16QAM | 19150 | 1RB#24  | 22.49 | 23.49 | 33.01 | PASS |
| Band2 | 10MHz | 16QAM | 19150 | 1RB#49  | 23.42 | 24.42 | 33.01 | PASS |
| Band2 | 15MHz | QPSK  | 18675 | 1RB#0   | 23.89 | 24.89 | 33.01 | PASS |
| Band2 | 15MHz | QPSK  | 18675 | 75RB#0  | 23.11 | 24.11 | 33.01 | PASS |
| Band2 | 15MHz | QPSK  | 18675 | 1RB#38  | 23.54 | 24.54 | 33.01 | PASS |
| Band2 | 15MHz | QPSK  | 18675 | 1RB#74  | 23.61 | 24.61 | 33.01 | PASS |
| Band2 | 15MHz | QPSK  | 18900 | 1RB#0   | 23.15 | 24.15 | 33.01 | PASS |
| Band2 | 15MHz | QPSK  | 18900 | 75RB#0  | 22.92 | 23.92 | 33.01 | PASS |
| Band2 | 15MHz | QPSK  | 18900 | 1RB#38  | 23.25 | 24.25 | 33.01 | PASS |
| Band2 | 15MHz | QPSK  | 18900 | 1RB#74  | 23.63 | 24.63 | 33.01 | PASS |
| Band2 | 15MHz | QPSK  | 19125 | 1RB#0   | 23.65 | 24.65 | 33.01 | PASS |
| Band2 | 15MHz | QPSK  | 19125 | 75RB#0  | 23.29 | 24.29 | 33.01 | PASS |
| Band2 | 15MHz | QPSK  | 19125 | 1RB#38  | 23.31 | 24.31 | 33.01 | PASS |
| Band2 | 15MHz | QPSK  | 19125 | 1RB#74  | 24.07 | 25.07 | 33.01 | PASS |
| Band2 | 15MHz | 16QAM | 18675 | 1RB#0   | 23.22 | 24.22 | 33.01 | PASS |
| Band2 | 15MHz | 16QAM | 18675 | 27RB#0  | 21.96 | 22.96 | 33.01 | PASS |
| Band2 | 15MHz | 16QAM | 18675 | 1RB#38  | 19.95 | 20.95 | 33.01 | PASS |
| Band2 | 15MHz | 16QAM | 18675 | 1RB#74  | 22.11 | 23.11 | 33.01 | PASS |
| Band2 | 15MHz | 16QAM | 18900 | 1RB#0   | 23.06 | 24.06 | 33.01 | PASS |
| Band2 | 15MHz | 16QAM | 18900 | 27RB#0  | 21.45 | 22.45 | 33.01 | PASS |
| Band2 | 15MHz | 16QAM | 18900 | 1RB#38  | 22.83 | 23.83 | 33.01 | PASS |
| Band2 | 15MHz | 16QAM | 18900 | 1RB#74  | 22.59 | 23.59 | 33.01 | PASS |
| Band2 | 15MHz | 16QAM | 19125 | 1RB#0   | 22.46 | 23.46 | 33.01 | PASS |
| Band2 | 15MHz | 16QAM | 19125 | 27RB#0  | 22.00 | 23    | 33.01 | PASS |
| Band2 | 15MHz | 16QAM | 19125 | 1RB#38  | 22.74 | 23.74 | 33.01 | PASS |
| Band2 | 15MHz | 16QAM | 19125 | 1RB#74  | 23.24 | 24.24 | 33.01 | PASS |
| Band2 | 20MHz | QPSK  | 18700 | 1RB#0   | 24.12 | 25.12 | 33.01 | PASS |
| Band2 | 20MHz | QPSK  | 18700 | 100RB#0 | 23.07 | 24.07 | 33.01 | PASS |
| Band2 | 20MHz | QPSK  | 18700 | 1RB#49  | 23.81 | 24.81 | 33.01 | PASS |
| Band2 | 20MHz | QPSK  | 18700 | 1RB#99  | 23.53 | 24.53 | 33.01 | PASS |
| Band2 | 20MHz | QPSK  | 18900 | 1RB#0   | 23.03 | 24.03 | 33.01 | PASS |
| Band2 | 20MHz | QPSK  | 18900 | 100RB#0 | 22.85 | 23.85 | 33.01 | PASS |

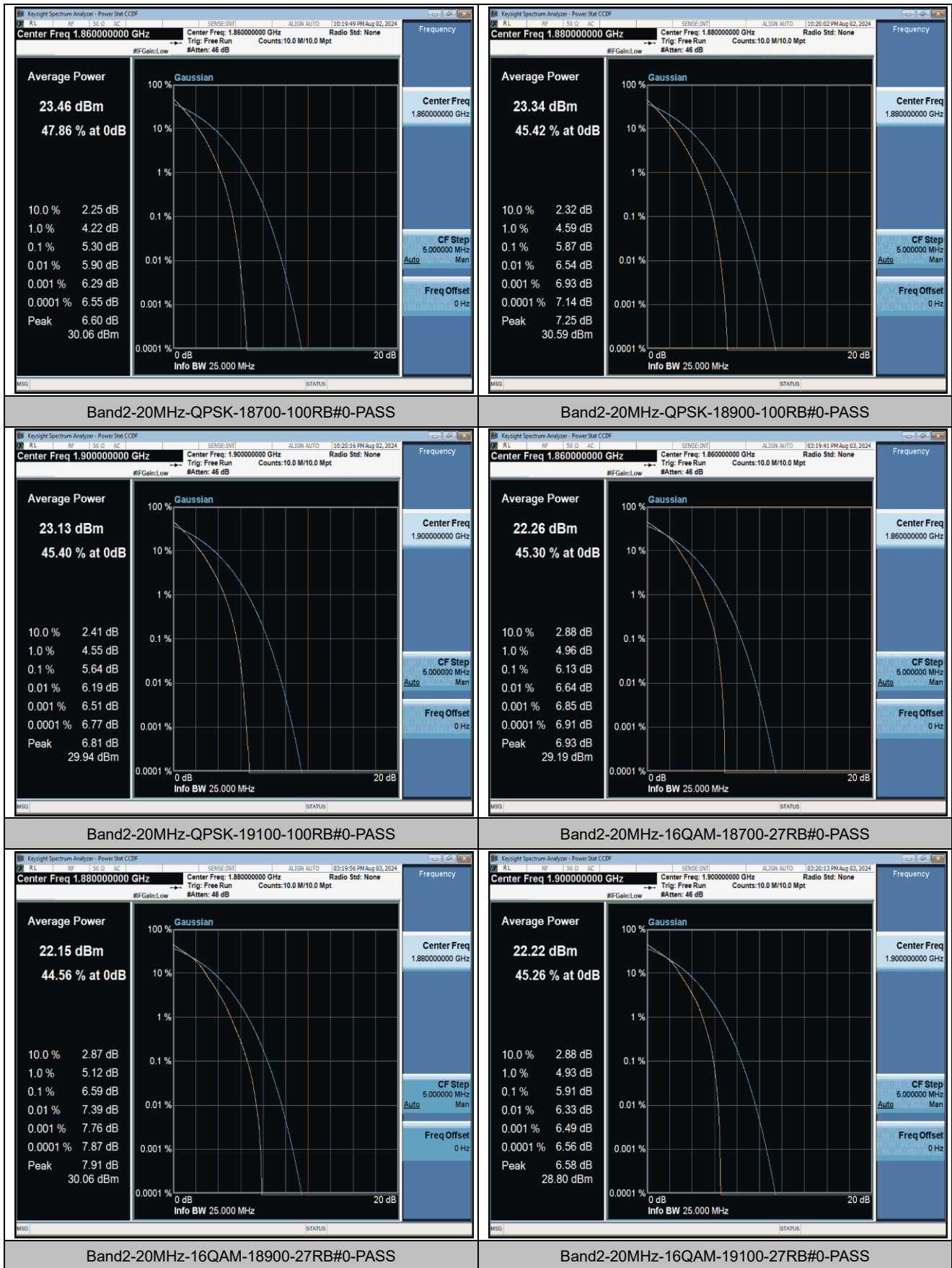
|       |       |       |       |         |       |       |       |      |
|-------|-------|-------|-------|---------|-------|-------|-------|------|
| Band2 | 20MHz | QPSK  | 18900 | 1RB#49  | 23.46 | 24.46 | 33.01 | PASS |
| Band2 | 20MHz | QPSK  | 18900 | 1RB#99  | 23.95 | 24.95 | 33.01 | PASS |
| Band2 | 20MHz | QPSK  | 19100 | 1RB#0   | 23.53 | 24.53 | 33.01 | PASS |
| Band2 | 20MHz | QPSK  | 19100 | 100RB#0 | 23.15 | 24.15 | 33.01 | PASS |
| Band2 | 20MHz | QPSK  | 19100 | 1RB#49  | 23.50 | 24.5  | 33.01 | PASS |
| Band2 | 20MHz | QPSK  | 19100 | 1RB#99  | 23.68 | 24.68 | 33.01 | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 1RB#0   | 23.24 | 24.24 | 33.01 | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 27RB#0  | 18.48 | 19.48 | 33.01 | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 1RB#49  | 22.93 | 23.93 | 33.01 | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 1RB#99  | 22.57 | 23.57 | 33.01 | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 1RB#0   | 22.26 | 23.26 | 33.01 | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 27RB#0  | 21.45 | 22.45 | 33.01 | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 1RB#49  | 22.68 | 23.68 | 33.01 | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 1RB#99  | 23.01 | 24.01 | 33.01 | PASS |
| Band2 | 20MHz | 16QAM | 19100 | 1RB#0   | 22.98 | 23.98 | 33.01 | PASS |
| Band2 | 20MHz | 16QAM | 19100 | 27RB#0  | 22.09 | 23.09 | 33.01 | PASS |
| Band2 | 20MHz | 16QAM | 19100 | 1RB#49  | 22.90 | 23.9  | 33.01 | PASS |
| Band2 | 20MHz | 16QAM | 19100 | 1RB#99  | 22.82 | 23.82 | 33.01 | PASS |

## Peak-to-Average Ratio(CCDF)

### Test Result

| Band  | Bandwidth | Modulation | Channel | RB Configuration | Result (dB) | Limit (dB) | Verdict |
|-------|-----------|------------|---------|------------------|-------------|------------|---------|
| Band2 | 20MHz     | QPSK       | 18700   | 100RB#0          | 5.30        | 13         | PASS    |
| Band2 | 20MHz     | QPSK       | 18900   | 100RB#0          | 5.87        | 13         | PASS    |
| Band2 | 20MHz     | QPSK       | 19100   | 100RB#0          | 5.64        | 13         | PASS    |
| Band2 | 20MHz     | 16QAM      | 18700   | 27RB#0           | 6.13        | 13         | PASS    |
| Band2 | 20MHz     | 16QAM      | 18900   | 27RB#0           | 6.59        | 13         | PASS    |
| Band2 | 20MHz     | 16QAM      | 19100   | 27RB#0           | 5.91        | 13         | PASS    |

## Test Graphs

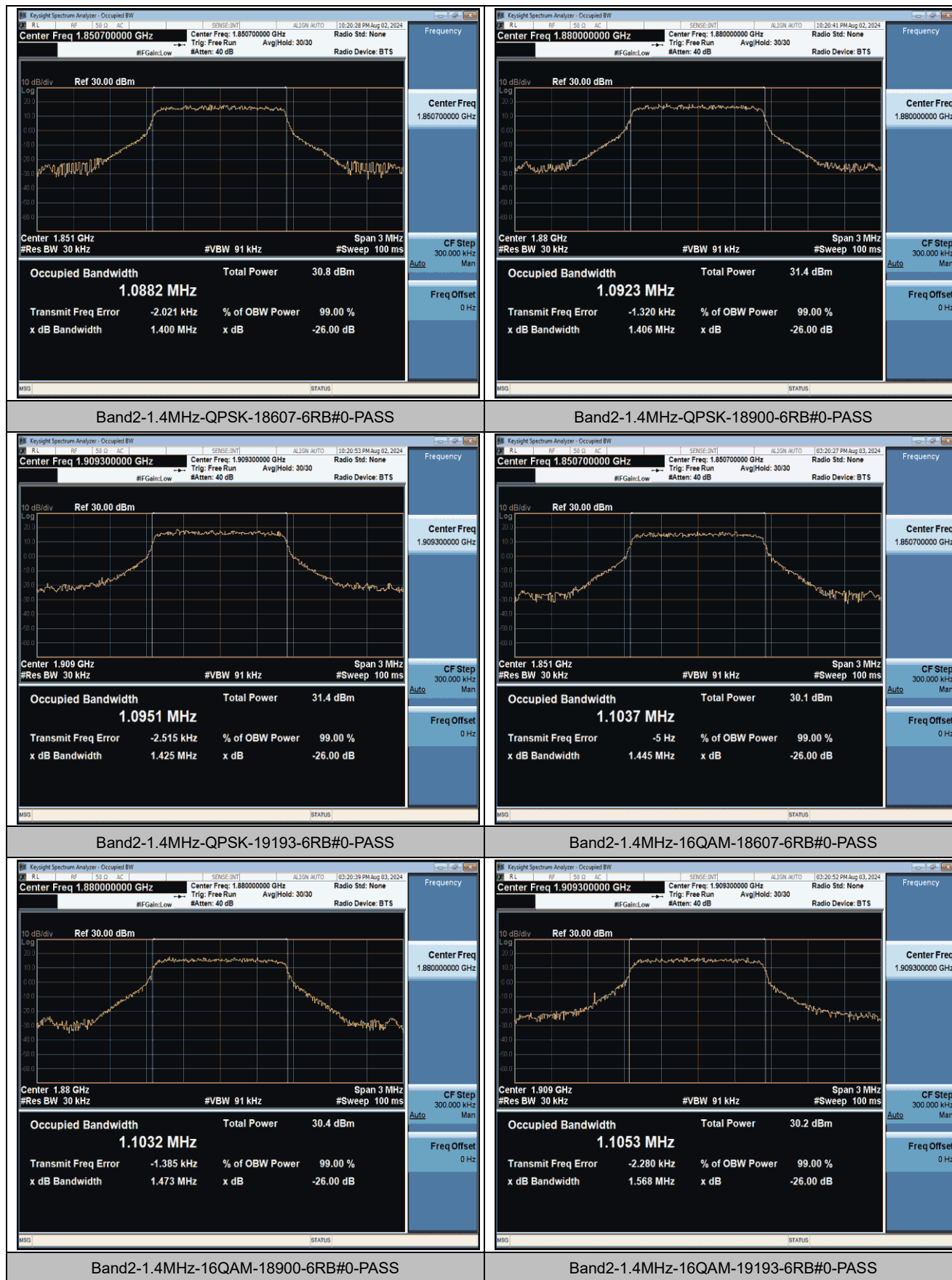


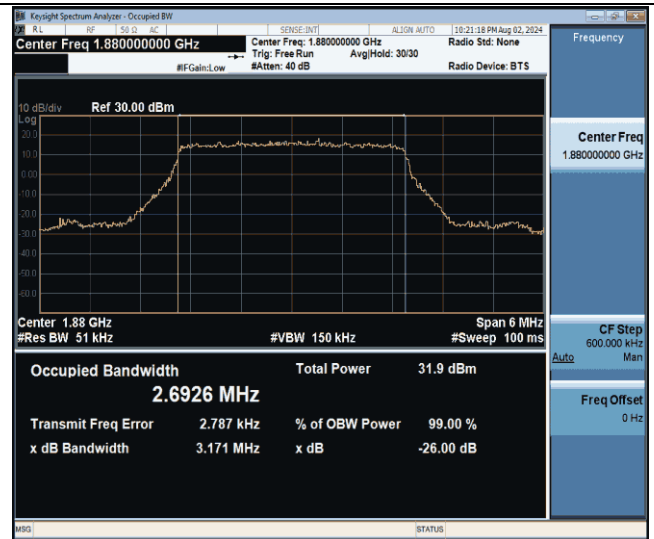
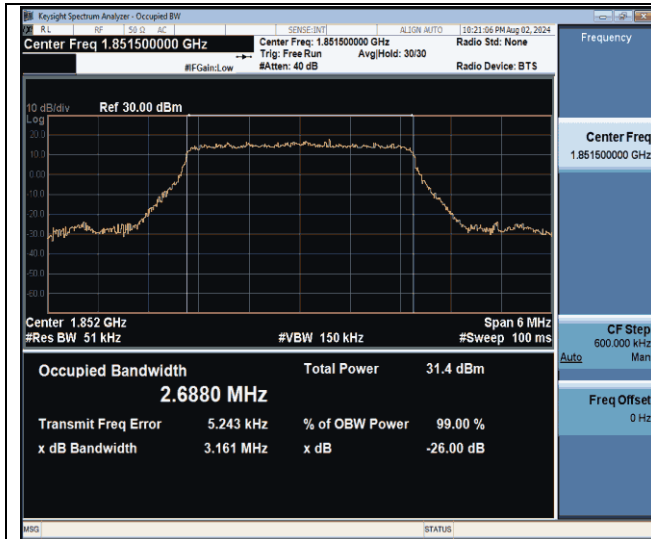
## 26dB Bandwidth and Occupied Bandwidth

### Test Result

| Band  | Bandwidth | Modulation | Channel | RB Configuration | OBW (MHz) | 26dB EBW (MHz) | Verdict |
|-------|-----------|------------|---------|------------------|-----------|----------------|---------|
| Band2 | 1.4MHz    | QPSK       | 18607   | 6RB#0            | 1.0882    | 1.400          | PASS    |
| Band2 | 1.4MHz    | QPSK       | 18900   | 6RB#0            | 1.0923    | 1.406          | PASS    |
| Band2 | 1.4MHz    | QPSK       | 19193   | 6RB#0            | 1.0951    | 1.425          | PASS    |
| Band2 | 1.4MHz    | 16QAM      | 18607   | 6RB#0            | 1.1037    | 1.445          | PASS    |
| Band2 | 1.4MHz    | 16QAM      | 18900   | 6RB#0            | 1.1032    | 1.473          | PASS    |
| Band2 | 1.4MHz    | 16QAM      | 19193   | 6RB#0            | 1.1053    | 1.568          | PASS    |
| Band2 | 3MHz      | QPSK       | 18615   | 15RB#0           | 2.6880    | 3.161          | PASS    |
| Band2 | 3MHz      | QPSK       | 18900   | 15RB#0           | 2.6926    | 3.171          | PASS    |
| Band2 | 3MHz      | QPSK       | 19185   | 15RB#0           | 2.6832    | 3.123          | PASS    |
| Band2 | 3MHz      | 16QAM      | 18615   | 15RB#0           | 2.6822    | 3.142          | PASS    |
| Band2 | 3MHz      | 16QAM      | 18900   | 15RB#0           | 2.6854    | 3.154          | PASS    |
| Band2 | 3MHz      | 16QAM      | 19185   | 15RB#0           | 2.6841    | 3.173          | PASS    |
| Band2 | 5MHz      | QPSK       | 18625   | 25RB#0           | 4.4804    | 5.054          | PASS    |
| Band2 | 5MHz      | QPSK       | 18900   | 25RB#0           | 4.4760    | 5.079          | PASS    |
| Band2 | 5MHz      | QPSK       | 19175   | 25RB#0           | 4.4776    | 5.101          | PASS    |
| Band2 | 5MHz      | 16QAM      | 18625   | 25RB#0           | 4.4726    | 5.073          | PASS    |
| Band2 | 5MHz      | 16QAM      | 18900   | 25RB#0           | 4.4757    | 5.065          | PASS    |
| Band2 | 5MHz      | 16QAM      | 19175   | 25RB#0           | 4.4779    | 5.080          | PASS    |
| Band2 | 10MHz     | QPSK       | 18650   | 50RB#0           | 8.9276    | 9.661          | PASS    |
| Band2 | 10MHz     | QPSK       | 18900   | 50RB#0           | 8.9318    | 9.693          | PASS    |
| Band2 | 10MHz     | QPSK       | 19150   | 50RB#0           | 8.9284    | 9.733          | PASS    |
| Band2 | 10MHz     | 16QAM      | 18650   | 27RB#0           | 5.2652    | 8.950          | PASS    |
| Band2 | 10MHz     | 16QAM      | 18900   | 27RB#0           | 5.2398    | 8.347          | PASS    |
| Band2 | 10MHz     | 16QAM      | 19150   | 27RB#0           | 5.3574    | 9.121          | PASS    |
| Band2 | 15MHz     | QPSK       | 18675   | 75RB#0           | 13.562    | 16.44          | PASS    |
| Band2 | 15MHz     | QPSK       | 18900   | 75RB#0           | 13.556    | 16.41          | PASS    |
| Band2 | 15MHz     | QPSK       | 19125   | 75RB#0           | 13.579    | 16.67          | PASS    |
| Band2 | 15MHz     | 16QAM      | 18675   | 27RB#0           | 6.1302    | 12.97          | PASS    |
| Band2 | 15MHz     | 16QAM      | 18900   | 27RB#0           | 6.0037    | 8.877          | PASS    |
| Band2 | 15MHz     | 16QAM      | 19125   | 27RB#0           | 5.6452    | 8.162          | PASS    |
| Band2 | 20MHz     | QPSK       | 18700   | 100RB#0          | 17.971    | 21.01          | PASS    |
| Band2 | 20MHz     | QPSK       | 18900   | 100RB#0          | 18.018    | 21.16          | PASS    |
| Band2 | 20MHz     | QPSK       | 19100   | 100RB#0          | 18.050    | 21.25          | PASS    |
| Band2 | 20MHz     | 16QAM      | 18700   | 27RB#0           | 7.6239    | 11.66          | PASS    |
| Band2 | 20MHz     | 16QAM      | 18900   | 27RB#0           | 7.3604    | 10.15          | PASS    |
| Band2 | 20MHz     | 16QAM      | 19100   | 27RB#0           | 6.3923    | 9.440          | PASS    |

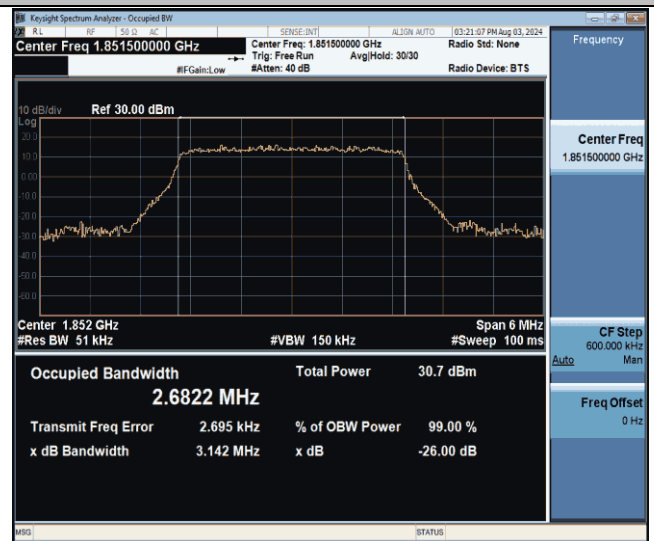
## Test Graphs





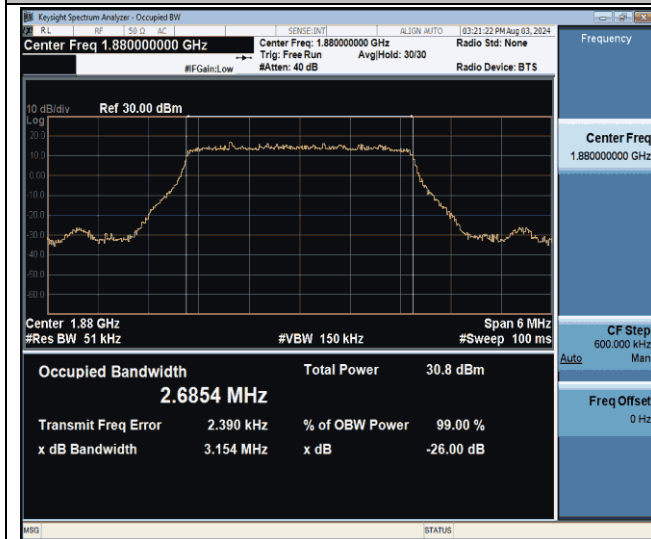
Band2-3MHz-QPSK-18615-15RB#0-PASS

Band2-3MHz-QPSK-18900-15RB#0-PASS



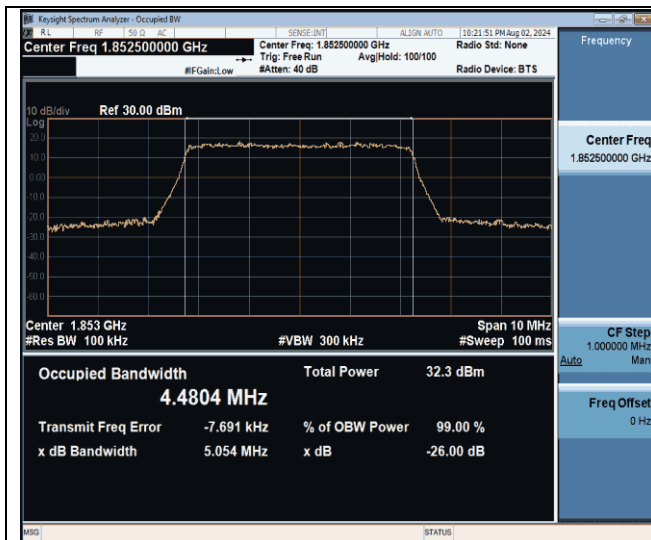
Band2-3MHz-QPSK-19185-15RB#0-PASS

Band2-3MHz-16QAM-18615-15RB#0-PASS



Band2-3MHz-16QAM-18900-15RB#0-PASS

Band2-3MHz-16QAM-19185-15RB#0-PASS



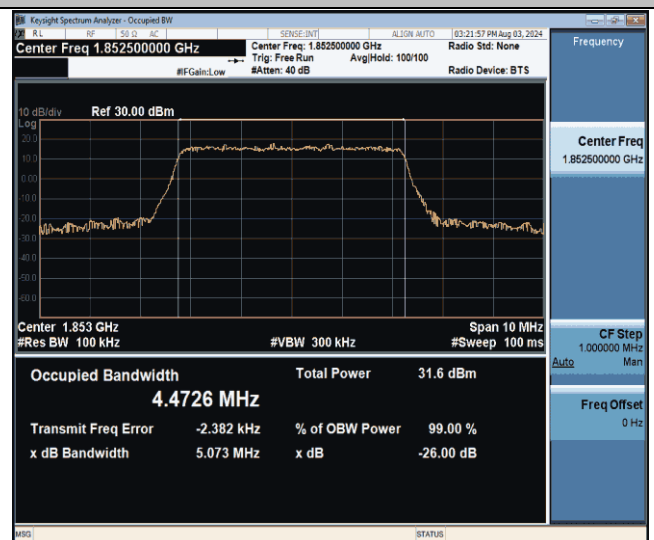
Band2-5MHz-QPSK-18625-25RB#0-PASS



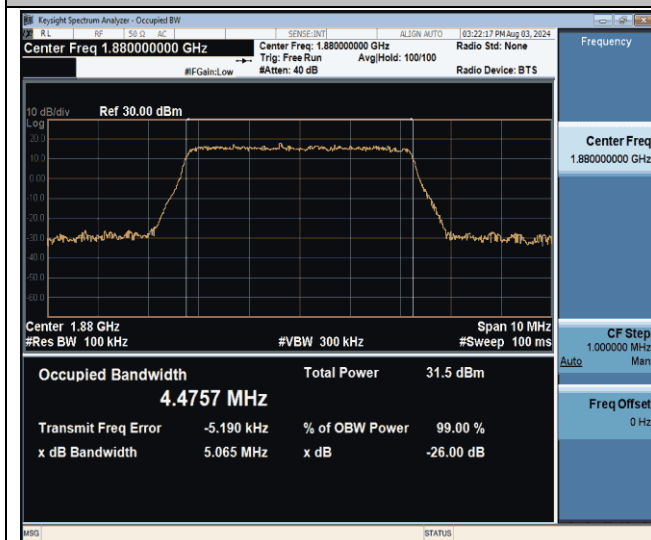
Band2-5MHz-QPSK-18900-25RB#0-PASS



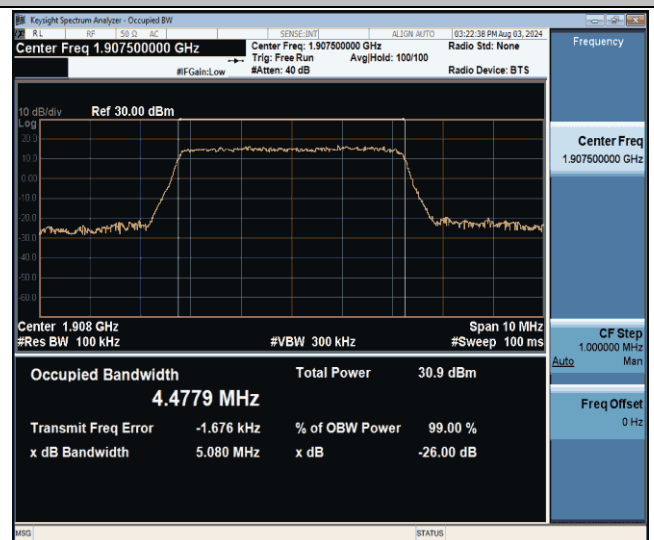
Band2-5MHz-QPSK-19175-25RB#0-PASS



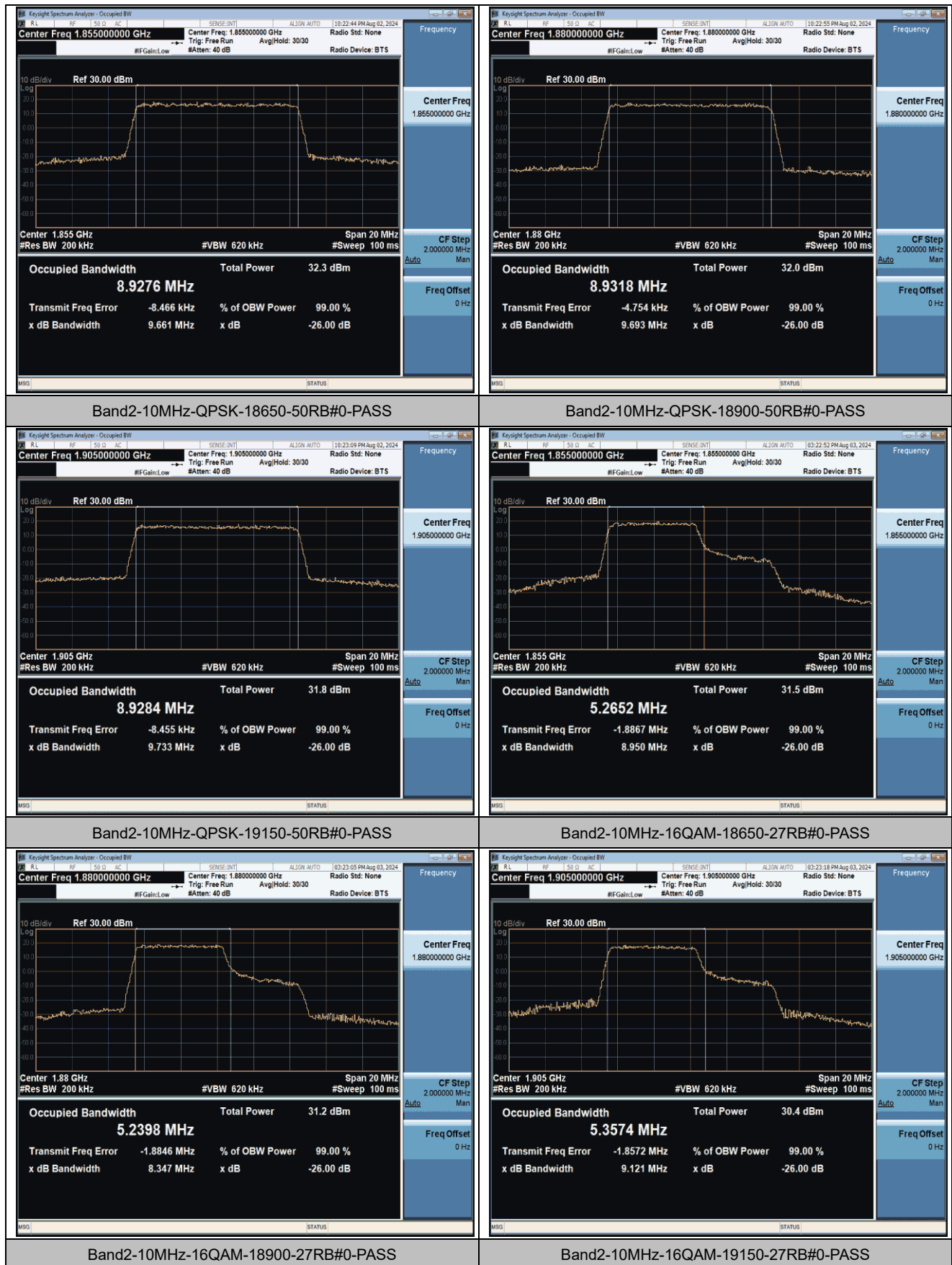
Band2-5MHz-16QAM-18625-25RB#0-PASS



Band2-5MHz-16QAM-18900-25RB#0-PASS



Band2-5MHz-16QAM-19175-25RB#0-PASS

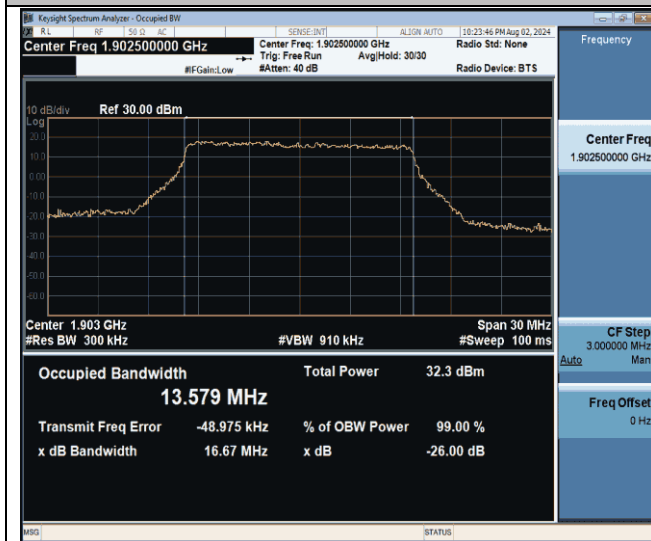




Band2-15MHz-QPSK-18675-75RB#0-PASS



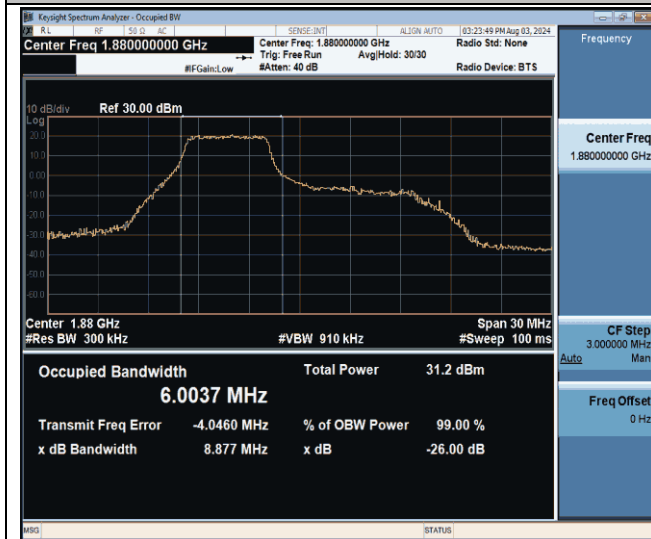
Band2-15MHz-QPSK-18900-75RB#0-PASS



Band2-15MHz-QPSK-19125-75RB#0-PASS



Band2-15MHz-16QAM-18675-27RB#0-PASS



Band2-15MHz-16QAM-18900-27RB#0-PASS



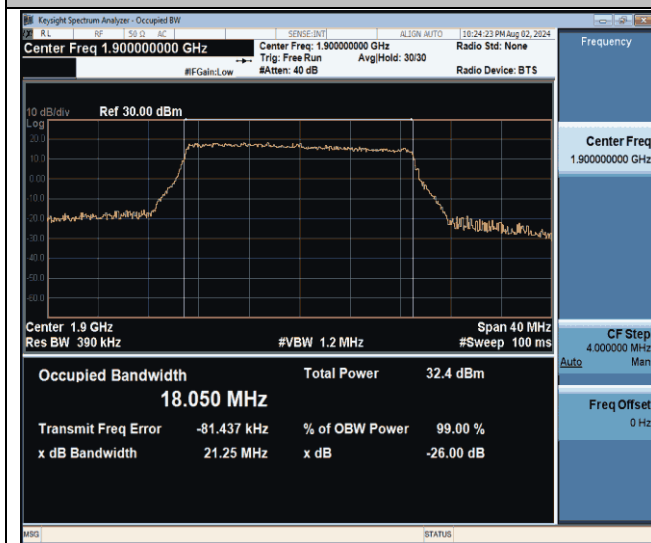
Band2-15MHz-16QAM-19125-27RB#0-PASS



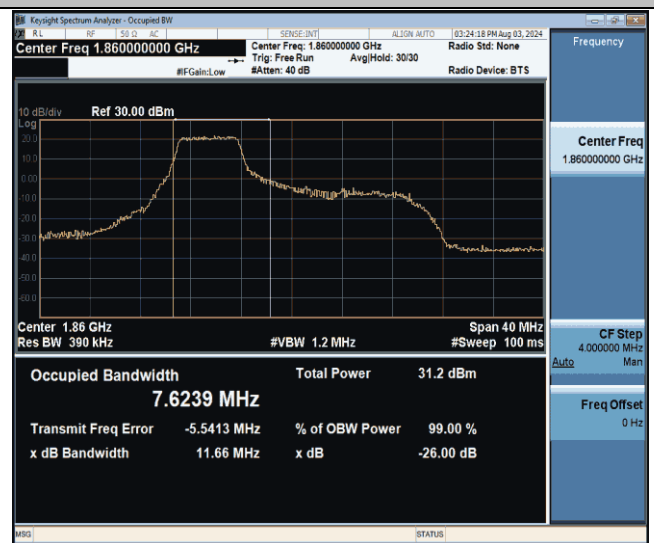
Band2-20MHz-QPSK-18700-100RB#0-PASS



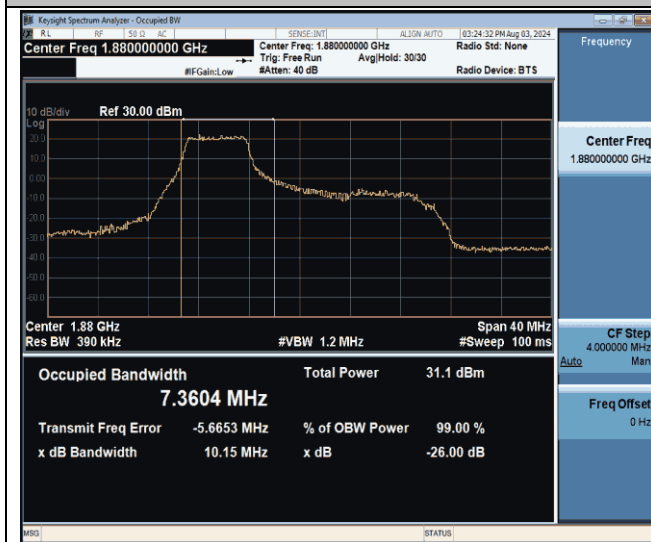
Band2-20MHz-QPSK-18900-100RB#0-PASS



Band2-20MHz-QPSK-19100-100RB#0-PASS



Band2-20MHz-16QAM-18700-27RB#0-PASS



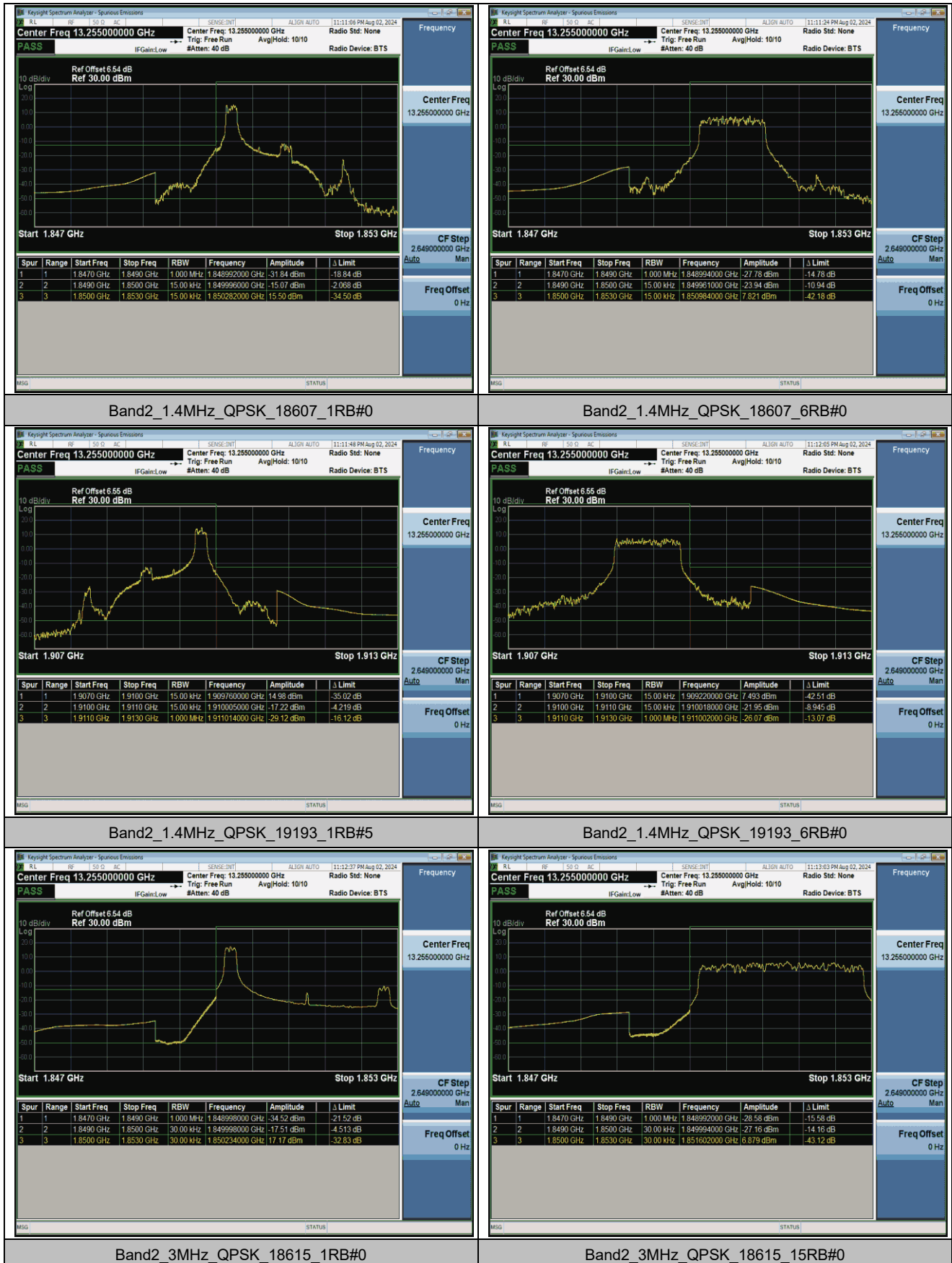
Band2-20MHz-16QAM-18900-27RB#0-PASS



Band2-20MHz-16QAM-19100-27RB#0-PASS

## Band Edge

### Test Graphs

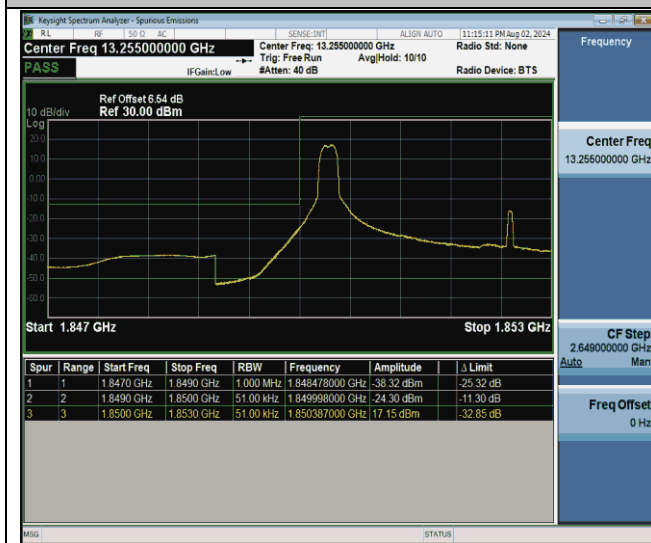




Band2\_3MHz\_QPSK\_19185\_1RB#14



Band2\_3MHz\_QPSK\_19185\_15RB#0



Band2\_5MHz\_QPSK\_18625\_1RB#0



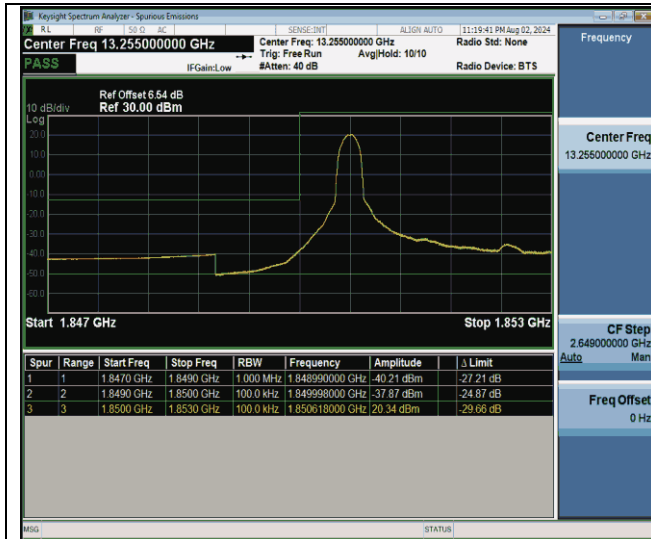
Band2\_5MHz\_QPSK\_18625\_25RB#0



Band2\_5MHz\_QPSK\_19175\_1RB#24



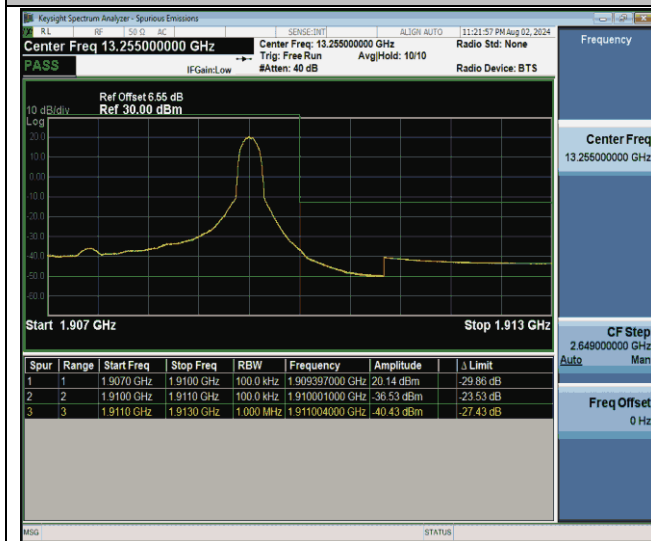
Band2\_5MHz\_QPSK\_19175\_25RB#0



Band2\_10MHz\_QPSK\_18650\_1RB#0



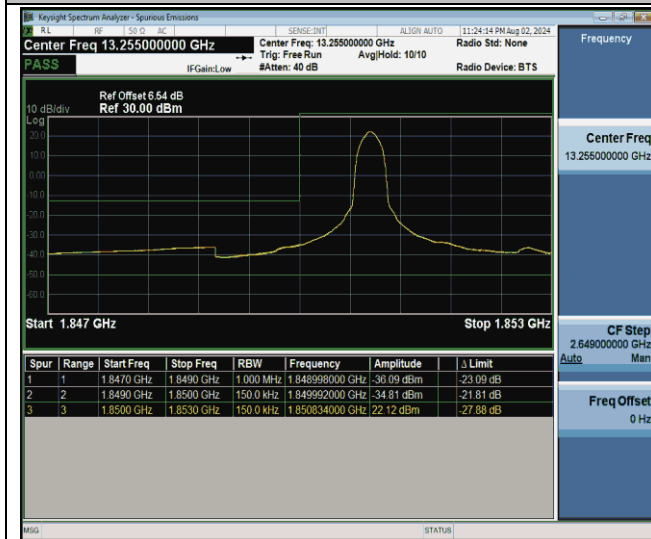
Band2\_10MHz\_QPSK\_18650\_50RB#0



Band2\_10MHz\_QPSK\_19150\_1RB#49



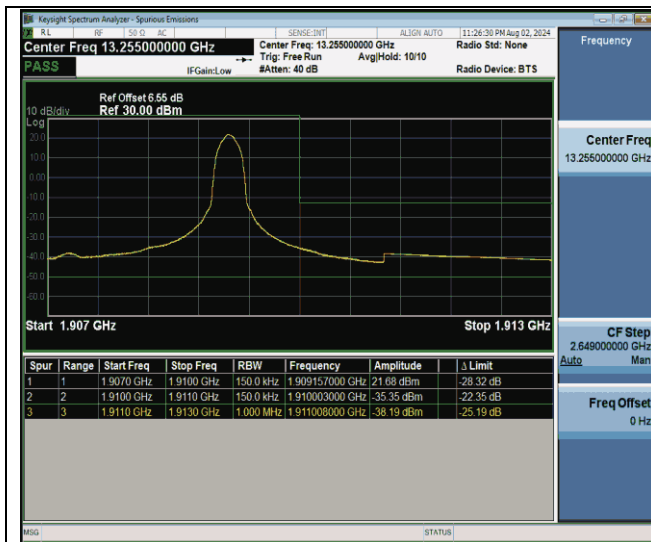
Band2\_10MHz\_QPSK\_19150\_50RB#0



Band2\_15MHz\_QPSK\_18675\_1RB#0



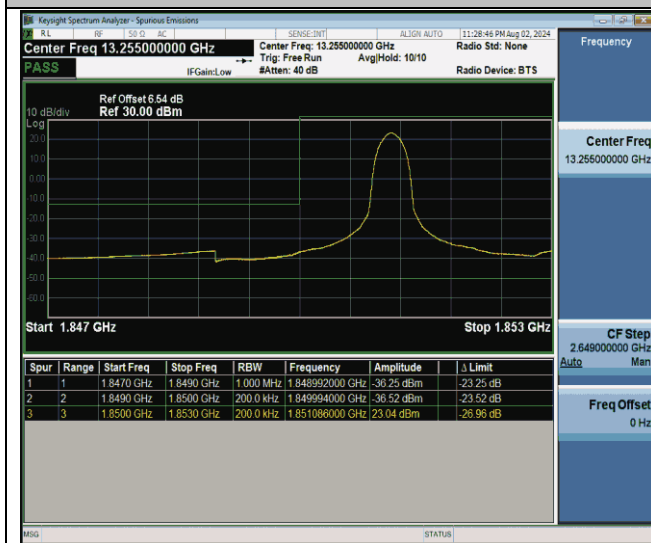
Band2\_15MHz\_QPSK\_18675\_75RB#0



Band2\_15MHz\_QPSK\_19125\_1RB#74



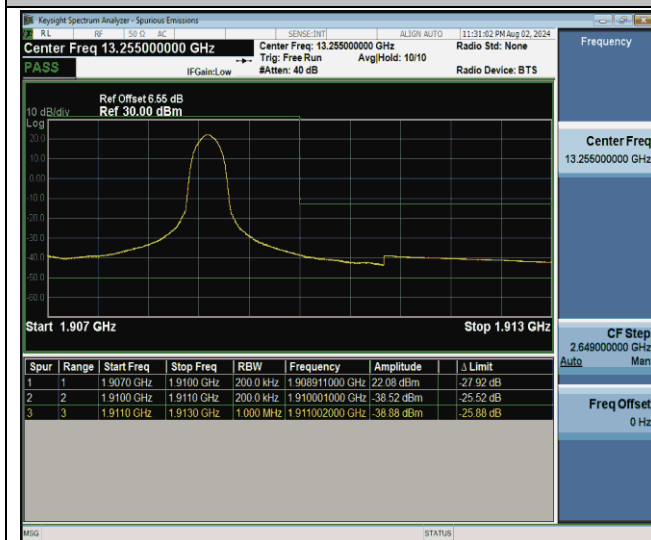
Band2\_15MHz\_QPSK\_19125\_75RB#0



Band2\_20MHz\_QPSK\_18700\_1RB#0



Band2\_20MHz\_QPSK\_18700\_100RB#0



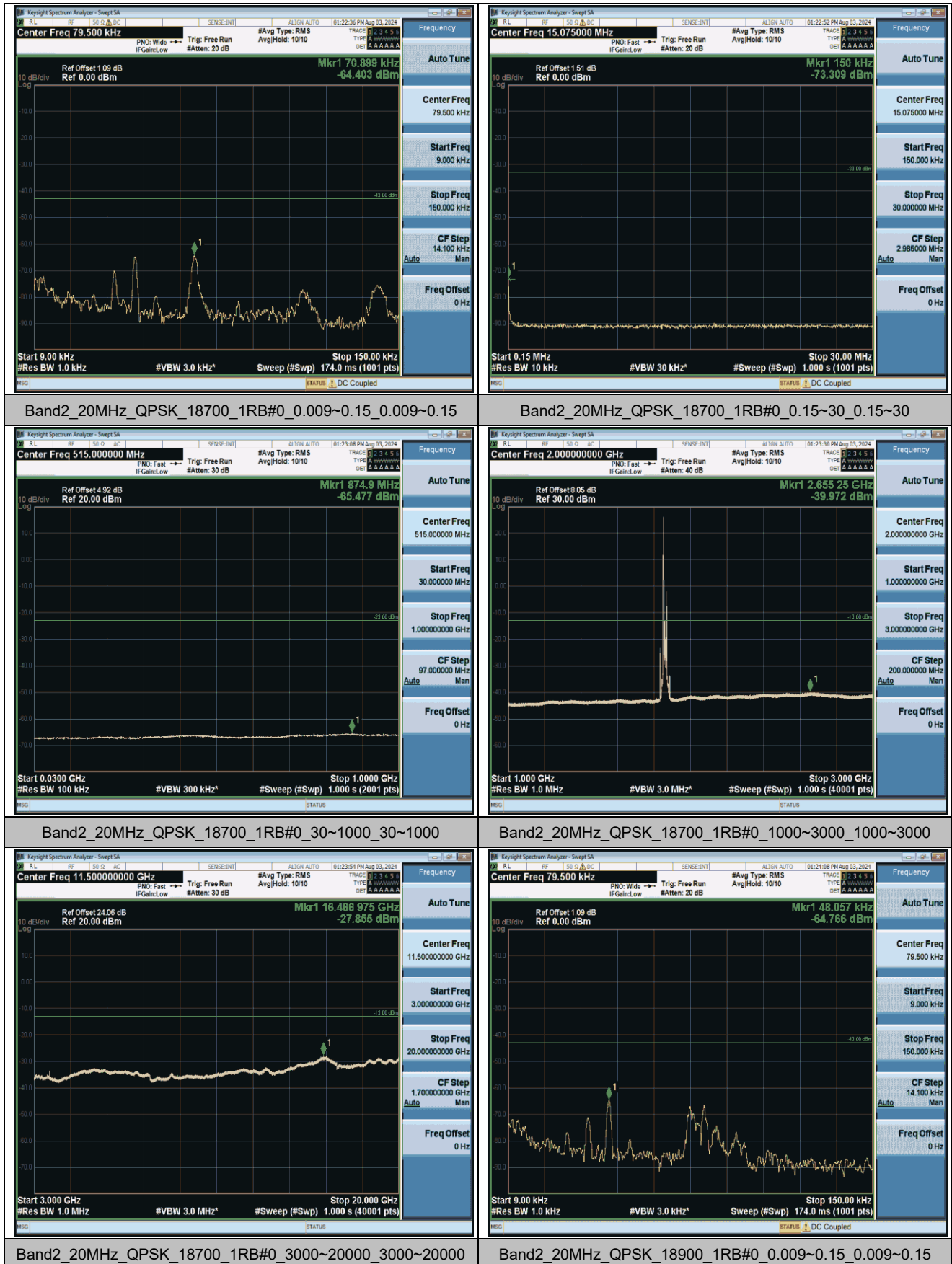
Band2\_20MHz\_QPSK\_19100\_1RB#99

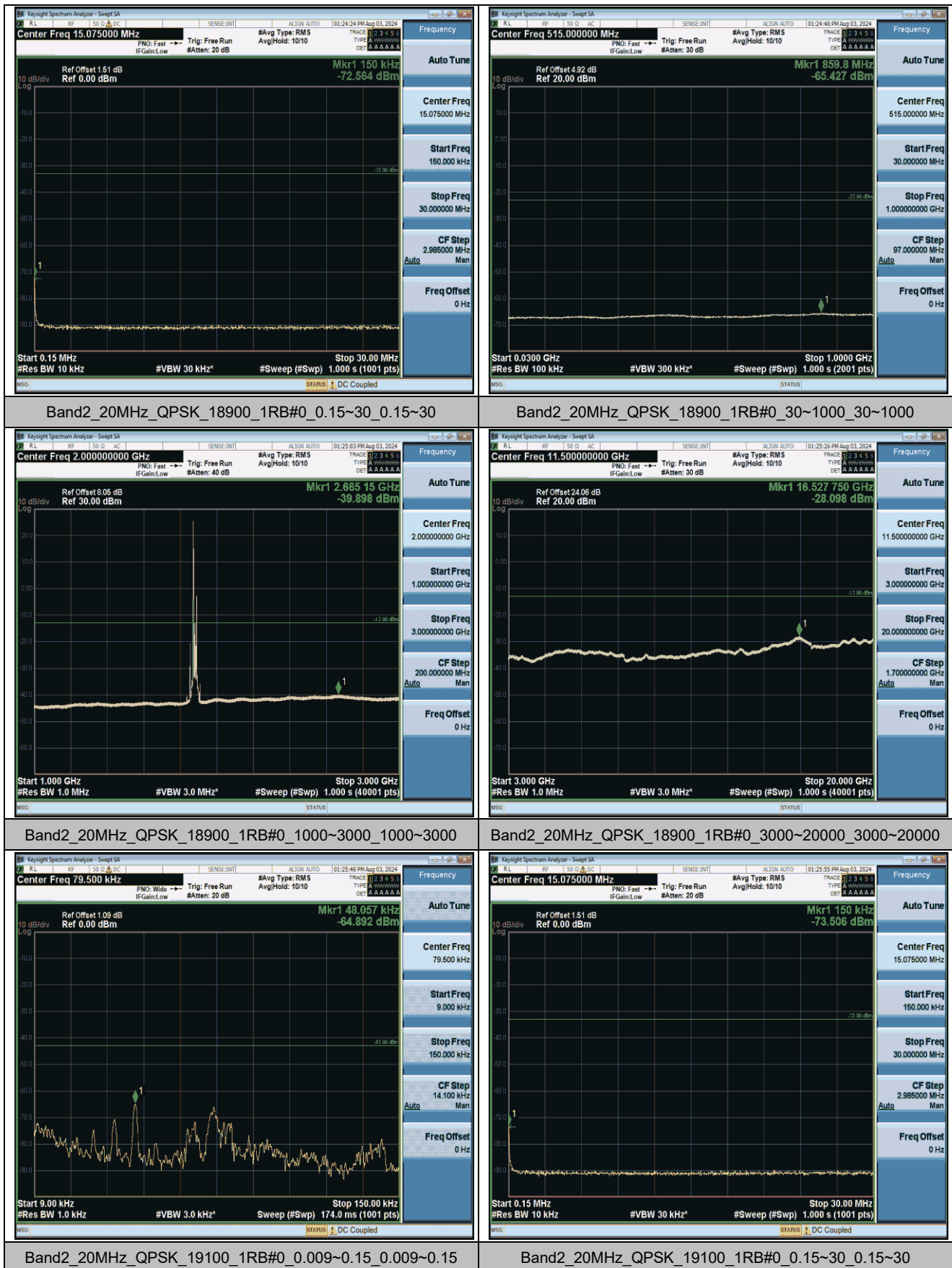


Band2\_20MHz\_QPSK\_19100\_100RB#0

# Conducted Spurious Emission

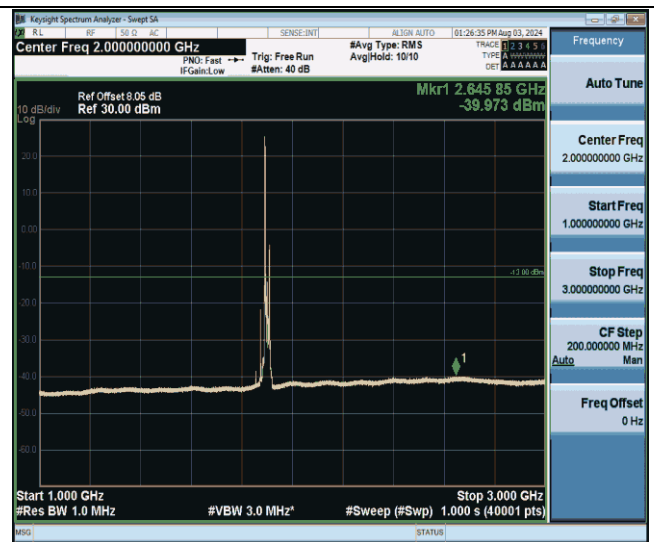
## Test Graphs







Band2\_20MHz\_QPSK\_19100\_1RB#0\_30~1000\_30~1000



Band2\_20MHz\_QPSK\_19100\_1RB#0\_1000~3000\_1000~3000



Band2\_20MHz\_QPSK\_19100\_1RB#0\_3000~20000\_3000~20000

## Frequency Stability

### Test Result

| Voltage |           |            |         |              |               |                  |                |                 |         |
|---------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|---------|
| Band    | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Verdict |
| Band2   | 20MHz     | QPSK       | 18900   | 100RB#0      | VN            | NT               | -17.35         | -0.009229       | PASS    |
| Band2   | 20MHz     | QPSK       | 18900   | 100RB#0      | VL            | NT               | -9.41          | -0.005005       | PASS    |
| Band2   | 20MHz     | QPSK       | 18900   | 100RB#0      | VH            | NT               | 11.00          | 0.005851        | PASS    |

| Temperature |           |            |         |              |               |                  |                |                 |         |
|-------------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|---------|
| Band        | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Verdict |
| Band2       | 20MHz     | QPSK       | 18900   | 100RB#0      | NV            | -30              | -13.25         | -0.007048       | PASS    |
| Band2       | 20MHz     | QPSK       | 18900   | 100RB#0      | NV            | -20              | -8.70          | -0.004628       | PASS    |
| Band2       | 20MHz     | QPSK       | 18900   | 100RB#0      | NV            | -10              | -6.92          | -0.003681       | PASS    |
| Band2       | 20MHz     | QPSK       | 18900   | 100RB#0      | NV            | 0                | -10.24         | -0.005447       | PASS    |
| Band2       | 20MHz     | QPSK       | 18900   | 100RB#0      | NV            | 10               | 8.84           | 0.004702        | PASS    |
| Band2       | 20MHz     | QPSK       | 18900   | 100RB#0      | NV            | 20               | -9.18          | -0.004883       | PASS    |
| Band2       | 20MHz     | QPSK       | 18900   | 100RB#0      | NV            | 30               | -14.22         | -0.007564       | PASS    |
| Band2       | 20MHz     | QPSK       | 18900   | 100RB#0      | NV            | 40               | -6.62          | -0.003521       | PASS    |
| Band2       | 20MHz     | QPSK       | 18900   | 100RB#0      | NV            | 50               | -8.71          | -0.004633       | PASS    |