

# LTE BandX Test Data

**Company:** : Shenzhen Jimi IoT Co., Ltd.

**EUT** : LTE CAT1 ASSET GNSS TRACKER

**Model Number** : LL301, LL301L, LL301E

**FCC ID** : 2AMLFJM-LL301L



## Appendix A: Radiated Power Output Data

### Test Result

| Band  | Bandwidth | Modulation | Channel | RB Configuration | Result(dBm) | Verdict |
|-------|-----------|------------|---------|------------------|-------------|---------|
| Band2 | 1.4MHz    | QPSK       | 18607   | 1RB#0            | 22.19       | PASS    |
| Band2 | 1.4MHz    | QPSK       | 18607   | 1RB#2            | 21.93       | PASS    |
| Band2 | 1.4MHz    | QPSK       | 18607   | 1RB#5            | 21.06       | PASS    |
| Band2 | 1.4MHz    | QPSK       | 18607   | 3RB#0            | 22.10       | PASS    |
| Band2 | 1.4MHz    | QPSK       | 18607   | 3RB#1            | 22.04       | PASS    |
| Band2 | 1.4MHz    | QPSK       | 18607   | 3RB#3            | 21.92       | PASS    |
| Band2 | 1.4MHz    | QPSK       | 18607   | 6RB#0            | 20.62       | PASS    |
| Band2 | 1.4MHz    | QPSK       | 18900   | 1RB#0            | 22.54       | PASS    |
| Band2 | 1.4MHz    | QPSK       | 18900   | 1RB#2            | 22.04       | PASS    |
| Band2 | 1.4MHz    | QPSK       | 18900   | 1RB#5            | 21.42       | PASS    |
| Band2 | 1.4MHz    | QPSK       | 18900   | 3RB#0            | 22.34       | PASS    |
| Band2 | 1.4MHz    | QPSK       | 18900   | 3RB#1            | 22.31       | PASS    |
| Band2 | 1.4MHz    | QPSK       | 18900   | 3RB#3            | 21.62       | PASS    |
| Band2 | 1.4MHz    | QPSK       | 18900   | 6RB#0            | 20.92       | PASS    |
| Band2 | 1.4MHz    | QPSK       | 19193   | 1RB#0            | 21.65       | PASS    |
| Band2 | 1.4MHz    | QPSK       | 19193   | 1RB#2            | 21.51       | PASS    |
| Band2 | 1.4MHz    | QPSK       | 19193   | 1RB#5            | 20.83       | PASS    |
| Band2 | 1.4MHz    | QPSK       | 19193   | 3RB#0            | 21.55       | PASS    |
| Band2 | 1.4MHz    | QPSK       | 19193   | 3RB#1            | 21.52       | PASS    |
| Band2 | 1.4MHz    | QPSK       | 19193   | 3RB#3            | 21.58       | PASS    |
| Band2 | 1.4MHz    | QPSK       | 19193   | 6RB#0            | 20.33       | PASS    |
| Band2 | 1.4MHz    | 16QAM      | 18607   | 1RB#0            | 21.05       | PASS    |
| Band2 | 1.4MHz    | 16QAM      | 18607   | 1RB#2            | 20.77       | PASS    |
| Band2 | 1.4MHz    | 16QAM      | 18607   | 1RB#5            | 19.93       | PASS    |
| Band2 | 1.4MHz    | 16QAM      | 18607   | 3RB#0            | 20.95       | PASS    |
| Band2 | 1.4MHz    | 16QAM      | 18607   | 3RB#1            | 21.05       | PASS    |
| Band2 | 1.4MHz    | 16QAM      | 18607   | 3RB#3            | 20.80       | PASS    |
| Band2 | 1.4MHz    | 16QAM      | 18607   | 6RB#0            | 19.61       | PASS    |
| Band2 | 1.4MHz    | 16QAM      | 18900   | 1RB#0            | 21.43       | PASS    |
| Band2 | 1.4MHz    | 16QAM      | 18900   | 1RB#2            | 21.14       | PASS    |
| Band2 | 1.4MHz    | 16QAM      | 18900   | 1RB#5            | 20.40       | PASS    |
| Band2 | 1.4MHz    | 16QAM      | 18900   | 3RB#0            | 21.21       | PASS    |
| Band2 | 1.4MHz    | 16QAM      | 18900   | 3RB#1            | 21.20       | PASS    |

|       |        |       |       |        |       |      |
|-------|--------|-------|-------|--------|-------|------|
| Band2 | 1.4MHz | 16QAM | 18900 | 3RB#3  | 20.48 | PASS |
| Band2 | 1.4MHz | 16QAM | 18900 | 6RB#0  | 19.92 | PASS |
| Band2 | 1.4MHz | 16QAM | 19193 | 1RB#0  | 20.55 | PASS |
| Band2 | 1.4MHz | 16QAM | 19193 | 1RB#2  | 20.40 | PASS |
| Band2 | 1.4MHz | 16QAM | 19193 | 1RB#5  | 19.69 | PASS |
| Band2 | 1.4MHz | 16QAM | 19193 | 3RB#0  | 20.47 | PASS |
| Band2 | 1.4MHz | 16QAM | 19193 | 3RB#1  | 20.43 | PASS |
| Band2 | 1.4MHz | 16QAM | 19193 | 3RB#3  | 20.45 | PASS |
| Band2 | 1.4MHz | 16QAM | 19193 | 6RB#0  | 19.28 | PASS |
| Band2 | 3MHz   | QPSK  | 18615 | 1RB#0  | 22.03 | PASS |
| Band2 | 3MHz   | QPSK  | 18615 | 1RB#8  | 21.87 | PASS |
| Band2 | 3MHz   | QPSK  | 18615 | 1RB#14 | 20.20 | PASS |
| Band2 | 3MHz   | QPSK  | 18615 | 8RB#0  | 22.17 | PASS |
| Band2 | 3MHz   | QPSK  | 18615 | 8RB#4  | 22.14 | PASS |
| Band2 | 3MHz   | QPSK  | 18615 | 8RB#7  | 22.08 | PASS |
| Band2 | 3MHz   | QPSK  | 18615 | 15RB#0 | 20.47 | PASS |
| Band2 | 3MHz   | QPSK  | 18900 | 1RB#0  | 17.53 | PASS |
| Band2 | 3MHz   | QPSK  | 18900 | 1RB#8  | 21.13 | PASS |
| Band2 | 3MHz   | QPSK  | 18900 | 1RB#14 | 22.50 | PASS |
| Band2 | 3MHz   | QPSK  | 18900 | 8RB#0  | 20.94 | PASS |
| Band2 | 3MHz   | QPSK  | 18900 | 8RB#4  | 22.44 | PASS |
| Band2 | 3MHz   | QPSK  | 18900 | 8RB#7  | 22.21 | PASS |
| Band2 | 3MHz   | QPSK  | 18900 | 15RB#0 | 20.88 | PASS |
| Band2 | 3MHz   | QPSK  | 19185 | 1RB#0  | 21.64 | PASS |
| Band2 | 3MHz   | QPSK  | 19185 | 1RB#8  | 21.96 | PASS |
| Band2 | 3MHz   | QPSK  | 19185 | 1RB#14 | 20.34 | PASS |
| Band2 | 3MHz   | QPSK  | 19185 | 8RB#0  | 22.00 | PASS |
| Band2 | 3MHz   | QPSK  | 19185 | 8RB#4  | 22.01 | PASS |
| Band2 | 3MHz   | QPSK  | 19185 | 8RB#7  | 22.01 | PASS |
| Band2 | 3MHz   | QPSK  | 19185 | 15RB#0 | 20.65 | PASS |
| Band2 | 3MHz   | 16QAM | 18615 | 1RB#0  | 20.96 | PASS |
| Band2 | 3MHz   | 16QAM | 18615 | 1RB#8  | 20.76 | PASS |
| Band2 | 3MHz   | 16QAM | 18615 | 1RB#14 | 19.04 | PASS |
| Band2 | 3MHz   | 16QAM | 18615 | 8RB#0  | 21.20 | PASS |
| Band2 | 3MHz   | 16QAM | 18615 | 8RB#4  | 21.17 | PASS |
| Band2 | 3MHz   | 16QAM | 18615 | 8RB#7  | 21.08 | PASS |
| Band2 | 3MHz   | 16QAM | 18615 | 15RB#0 | 19.46 | PASS |

|       |      |       |       |         |       |      |
|-------|------|-------|-------|---------|-------|------|
| Band2 | 3MHz | 16QAM | 18900 | 1RB#0   | 23.23 | PASS |
| Band2 | 3MHz | 16QAM | 18900 | 1RB#8   | 22.56 | PASS |
| Band2 | 3MHz | 16QAM | 18900 | 1RB#14  | 22.49 | PASS |
| Band2 | 3MHz | 16QAM | 18900 | 8RB#0   | 22.78 | PASS |
| Band2 | 3MHz | 16QAM | 18900 | 8RB#4   | 21.99 | PASS |
| Band2 | 3MHz | 16QAM | 18900 | 8RB#7   | 21.25 | PASS |
| Band2 | 3MHz | 16QAM | 18900 | 15RB#0  | 19.99 | PASS |
| Band2 | 3MHz | 16QAM | 19185 | 1RB#0   | 20.60 | PASS |
| Band2 | 3MHz | 16QAM | 19185 | 1RB#8   | 20.94 | PASS |
| Band2 | 3MHz | 16QAM | 19185 | 1RB#14  | 19.29 | PASS |
| Band2 | 3MHz | 16QAM | 19185 | 8RB#0   | 21.01 | PASS |
| Band2 | 3MHz | 16QAM | 19185 | 8RB#4   | 21.04 | PASS |
| Band2 | 3MHz | 16QAM | 19185 | 8RB#7   | 21.10 | PASS |
| Band2 | 3MHz | 16QAM | 19185 | 15RB#0  | 19.64 | PASS |
| Band2 | 5MHz | QPSK  | 18625 | 1RB#0   | 21.35 | PASS |
| Band2 | 5MHz | QPSK  | 18625 | 1RB#12  | 21.08 | PASS |
| Band2 | 5MHz | QPSK  | 18625 | 1RB#24  | 20.91 | PASS |
| Band2 | 5MHz | QPSK  | 18625 | 12RB#0  | 21.88 | PASS |
| Band2 | 5MHz | QPSK  | 18625 | 12RB#6  | 21.70 | PASS |
| Band2 | 5MHz | QPSK  | 18625 | 12RB#13 | 21.63 | PASS |
| Band2 | 5MHz | QPSK  | 18625 | 25RB#0  | 20.22 | PASS |
| Band2 | 5MHz | QPSK  | 18900 | 1RB#0   | 21.91 | PASS |
| Band2 | 5MHz | QPSK  | 18900 | 1RB#12  | 21.71 | PASS |
| Band2 | 5MHz | QPSK  | 18900 | 1RB#24  | 22.03 | PASS |
| Band2 | 5MHz | QPSK  | 18900 | 12RB#0  | 22.05 | PASS |
| Band2 | 5MHz | QPSK  | 18900 | 12RB#6  | 22.00 | PASS |
| Band2 | 5MHz | QPSK  | 18900 | 12RB#13 | 21.57 | PASS |
| Band2 | 5MHz | QPSK  | 18900 | 25RB#0  | 20.53 | PASS |
| Band2 | 5MHz | QPSK  | 19175 | 1RB#0   | 21.37 | PASS |
| Band2 | 5MHz | QPSK  | 19175 | 1RB#12  | 21.26 | PASS |
| Band2 | 5MHz | QPSK  | 19175 | 1RB#24  | 21.42 | PASS |
| Band2 | 5MHz | QPSK  | 19175 | 12RB#0  | 21.24 | PASS |
| Band2 | 5MHz | QPSK  | 19175 | 12RB#6  | 21.32 | PASS |
| Band2 | 5MHz | QPSK  | 19175 | 12RB#13 | 21.27 | PASS |
| Band2 | 5MHz | QPSK  | 19175 | 25RB#0  | 20.19 | PASS |
| Band2 | 5MHz | 16QAM | 18625 | 1RB#0   | 20.43 | PASS |
| Band2 | 5MHz | 16QAM | 18625 | 1RB#12  | 20.21 | PASS |

|       |       |       |       |         |       |      |
|-------|-------|-------|-------|---------|-------|------|
| Band2 | 5MHz  | 16QAM | 18625 | 1RB#24  | 20.09 | PASS |
| Band2 | 5MHz  | 16QAM | 18625 | 12RB#0  | 20.93 | PASS |
| Band2 | 5MHz  | 16QAM | 18625 | 12RB#6  | 20.89 | PASS |
| Band2 | 5MHz  | 16QAM | 18625 | 12RB#13 | 20.68 | PASS |
| Band2 | 5MHz  | 16QAM | 18625 | 25RB#0  | 19.19 | PASS |
| Band2 | 5MHz  | 16QAM | 18900 | 1RB#0   | 20.92 | PASS |
| Band2 | 5MHz  | 16QAM | 18900 | 1RB#12  | 20.76 | PASS |
| Band2 | 5MHz  | 16QAM | 18900 | 1RB#24  | 21.14 | PASS |
| Band2 | 5MHz  | 16QAM | 18900 | 12RB#0  | 21.11 | PASS |
| Band2 | 5MHz  | 16QAM | 18900 | 12RB#6  | 21.10 | PASS |
| Band2 | 5MHz  | 16QAM | 18900 | 12RB#13 | 20.62 | PASS |
| Band2 | 5MHz  | 16QAM | 18900 | 25RB#0  | 19.61 | PASS |
| Band2 | 5MHz  | 16QAM | 19175 | 1RB#0   | 20.28 | PASS |
| Band2 | 5MHz  | 16QAM | 19175 | 1RB#12  | 20.21 | PASS |
| Band2 | 5MHz  | 16QAM | 19175 | 1RB#24  | 20.35 | PASS |
| Band2 | 5MHz  | 16QAM | 19175 | 12RB#0  | 20.37 | PASS |
| Band2 | 5MHz  | 16QAM | 19175 | 12RB#6  | 20.37 | PASS |
| Band2 | 5MHz  | 16QAM | 19175 | 12RB#13 | 20.33 | PASS |
| Band2 | 5MHz  | 16QAM | 19175 | 25RB#0  | 19.25 | PASS |
| Band2 | 10MHz | QPSK  | 18650 | 1RB#0   | 21.96 | PASS |
| Band2 | 10MHz | QPSK  | 18650 | 1RB#24  | 21.25 | PASS |
| Band2 | 10MHz | QPSK  | 18650 | 1RB#49  | 21.19 | PASS |
| Band2 | 10MHz | QPSK  | 18650 | 25RB#0  | 21.68 | PASS |
| Band2 | 10MHz | QPSK  | 18650 | 25RB#12 | 21.62 | PASS |
| Band2 | 10MHz | QPSK  | 18650 | 25RB#25 | 21.57 | PASS |
| Band2 | 10MHz | QPSK  | 18650 | 50RB#0  | 20.20 | PASS |
| Band2 | 10MHz | QPSK  | 18900 | 1RB#0   | 21.73 | PASS |
| Band2 | 10MHz | QPSK  | 18900 | 1RB#24  | 21.69 | PASS |
| Band2 | 10MHz | QPSK  | 18900 | 1RB#49  | 21.45 | PASS |
| Band2 | 10MHz | QPSK  | 18900 | 25RB#0  | 22.10 | PASS |
| Band2 | 10MHz | QPSK  | 18900 | 25RB#12 | 22.06 | PASS |
| Band2 | 10MHz | QPSK  | 18900 | 25RB#25 | 21.50 | PASS |
| Band2 | 10MHz | QPSK  | 18900 | 50RB#0  | 20.65 | PASS |
| Band2 | 10MHz | QPSK  | 19150 | 1RB#0   | 21.12 | PASS |
| Band2 | 10MHz | QPSK  | 19150 | 1RB#24  | 21.28 | PASS |
| Band2 | 10MHz | QPSK  | 19150 | 1RB#49  | 21.32 | PASS |
| Band2 | 10MHz | QPSK  | 19150 | 25RB#0  | 21.02 | PASS |

|       |       |       |       |         |       |      |
|-------|-------|-------|-------|---------|-------|------|
| Band2 | 10MHz | QPSK  | 19150 | 25RB#12 | 21.01 | PASS |
| Band2 | 10MHz | QPSK  | 19150 | 25RB#25 | 21.56 | PASS |
| Band2 | 10MHz | QPSK  | 19150 | 50RB#0  | 20.16 | PASS |
| Band2 | 10MHz | 16QAM | 18650 | 1RB#0   | 21.06 | PASS |
| Band2 | 10MHz | 16QAM | 18650 | 1RB#24  | 20.38 | PASS |
| Band2 | 10MHz | 16QAM | 18650 | 1RB#49  | 20.83 | PASS |
| Band2 | 10MHz | 16QAM | 18650 | 25RB#0  | 20.78 | PASS |
| Band2 | 10MHz | 16QAM | 18650 | 25RB#12 | 20.03 | PASS |
| Band2 | 10MHz | 16QAM | 18650 | 25RB#25 | 20.75 | PASS |
| Band2 | 10MHz | 16QAM | 18650 | 50RB#0  | 20.15 | PASS |
| Band2 | 10MHz | 16QAM | 18900 | 1RB#0   | 20.70 | PASS |
| Band2 | 10MHz | 16QAM | 18900 | 1RB#24  | 20.67 | PASS |
| Band2 | 10MHz | 16QAM | 18900 | 1RB#49  | 20.36 | PASS |
| Band2 | 15MHz | QPSK  | 18675 | 1RB#0   | 22.14 | PASS |
| Band2 | 15MHz | QPSK  | 18675 | 1RB#38  | 21.27 | PASS |
| Band2 | 15MHz | QPSK  | 18675 | 1RB#74  | 21.19 | PASS |
| Band2 | 15MHz | QPSK  | 18675 | 38RB#0  | 21.17 | PASS |
| Band2 | 15MHz | QPSK  | 18675 | 38RB#18 | 20.53 | PASS |
| Band2 | 15MHz | QPSK  | 18675 | 38RB#37 | 20.39 | PASS |
| Band2 | 15MHz | QPSK  | 18675 | 75RB#0  | 20.24 | PASS |
| Band2 | 15MHz | QPSK  | 18900 | 1RB#0   | 21.77 | PASS |
| Band2 | 15MHz | QPSK  | 18900 | 1RB#38  | 21.61 | PASS |
| Band2 | 15MHz | QPSK  | 18900 | 1RB#74  | 21.56 | PASS |
| Band2 | 15MHz | QPSK  | 18900 | 38RB#0  | 20.80 | PASS |
| Band2 | 15MHz | QPSK  | 18900 | 38RB#18 | 20.70 | PASS |
| Band2 | 15MHz | QPSK  | 18900 | 38RB#37 | 20.61 | PASS |
| Band2 | 15MHz | QPSK  | 18900 | 75RB#0  | 20.58 | PASS |
| Band2 | 15MHz | QPSK  | 19125 | 1RB#0   | 21.33 | PASS |
| Band2 | 15MHz | QPSK  | 19125 | 1RB#38  | 21.10 | PASS |
| Band2 | 15MHz | QPSK  | 19125 | 1RB#74  | 21.37 | PASS |
| Band2 | 15MHz | QPSK  | 19125 | 38RB#0  | 20.22 | PASS |
| Band2 | 15MHz | QPSK  | 19125 | 38RB#18 | 20.16 | PASS |
| Band2 | 15MHz | QPSK  | 19125 | 38RB#37 | 20.51 | PASS |
| Band2 | 15MHz | QPSK  | 19125 | 75RB#0  | 20.19 | PASS |
| Band2 | 15MHz | 16QAM | 18675 | 1RB#0   | 21.26 | PASS |
| Band2 | 15MHz | 16QAM | 18675 | 1RB#38  | 20.54 | PASS |
| Band2 | 15MHz | 16QAM | 18675 | 1RB#74  | 20.47 | PASS |

|       |       |       |       |         |       |      |
|-------|-------|-------|-------|---------|-------|------|
| Band2 | 15MHz | 16QAM | 18675 | 38RB#0  | 21.13 | PASS |
| Band2 | 15MHz | 16QAM | 18675 | 38RB#18 | 20.44 | PASS |
| Band2 | 15MHz | 16QAM | 18675 | 38RB#37 | 20.39 | PASS |
| Band2 | 15MHz | 16QAM | 18675 | 75RB#0  | 20.48 | PASS |
| Band2 | 15MHz | 16QAM | 18900 | 1RB#0   | 20.77 | PASS |
| Band2 | 15MHz | 16QAM | 18900 | 1RB#38  | 20.72 | PASS |
| Band2 | 15MHz | 16QAM | 18900 | 1RB#74  | 20.69 | PASS |
| Band2 | 15MHz | 16QAM | 18900 | 38RB#0  | 20.73 | PASS |
| Band2 | 15MHz | 16QAM | 18900 | 38RB#18 | 20.80 | PASS |
| Band2 | 15MHz | 16QAM | 18900 | 38RB#37 | 20.60 | PASS |
| Band2 | 15MHz | 16QAM | 18900 | 75RB#0  | 20.33 | PASS |
| Band2 | 15MHz | 16QAM | 19125 | 1RB#0   | 20.32 | PASS |
| Band2 | 15MHz | 16QAM | 19125 | 1RB#38  | 20.22 | PASS |
| Band2 | 15MHz | 16QAM | 19125 | 1RB#74  | 20.58 | PASS |
| Band2 | 15MHz | 16QAM | 19125 | 38RB#0  | 20.27 | PASS |
| Band2 | 15MHz | 16QAM | 19125 | 38RB#18 | 20.13 | PASS |
| Band2 | 15MHz | 16QAM | 19125 | 38RB#37 | 20.52 | PASS |
| Band2 | 15MHz | 16QAM | 19125 | 75RB#0  | 20.25 | PASS |
| Band2 | 20MHz | QPSK  | 18700 | 1RB#0   | 21.31 | PASS |
| Band2 | 20MHz | QPSK  | 18700 | 1RB#49  | 21.22 | PASS |
| Band2 | 20MHz | QPSK  | 18700 | 1RB#99  | 21.35 | PASS |
| Band2 | 20MHz | QPSK  | 18700 | 50RB#0  | 21.77 | PASS |
| Band2 | 20MHz | QPSK  | 18700 | 50RB#25 | 21.85 | PASS |
| Band2 | 20MHz | QPSK  | 18700 | 50RB#50 | 21.87 | PASS |
| Band2 | 20MHz | QPSK  | 18900 | 1RB#0   | 21.64 | PASS |
| Band2 | 20MHz | QPSK  | 18900 | 1RB#49  | 21.71 | PASS |
| Band2 | 20MHz | QPSK  | 18900 | 1RB#99  | 21.28 | PASS |
| Band2 | 20MHz | QPSK  | 18900 | 50RB#0  | 22.05 | PASS |
| Band2 | 20MHz | QPSK  | 18900 | 50RB#25 | 22.04 | PASS |
| Band2 | 20MHz | QPSK  | 18900 | 50RB#50 | 22.08 | PASS |
| Band2 | 20MHz | QPSK  | 19100 | 1RB#0   | 21.66 | PASS |
| Band2 | 20MHz | QPSK  | 19100 | 1RB#49  | 21.24 | PASS |
| Band2 | 20MHz | QPSK  | 19100 | 1RB#99  | 21.44 | PASS |
| Band2 | 20MHz | QPSK  | 19100 | 50RB#0  | 21.47 | PASS |
| Band2 | 20MHz | QPSK  | 19100 | 50RB#25 | 21.47 | PASS |
| Band2 | 20MHz | QPSK  | 19100 | 50RB#50 | 21.88 | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 1RB#0   | 20.72 | PASS |

|       |       |       |       |        |       |      |
|-------|-------|-------|-------|--------|-------|------|
| Band2 | 20MHz | 16QAM | 18700 | 1RB#49 | 20.48 | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 1RB#99 | 20.87 | PASS |



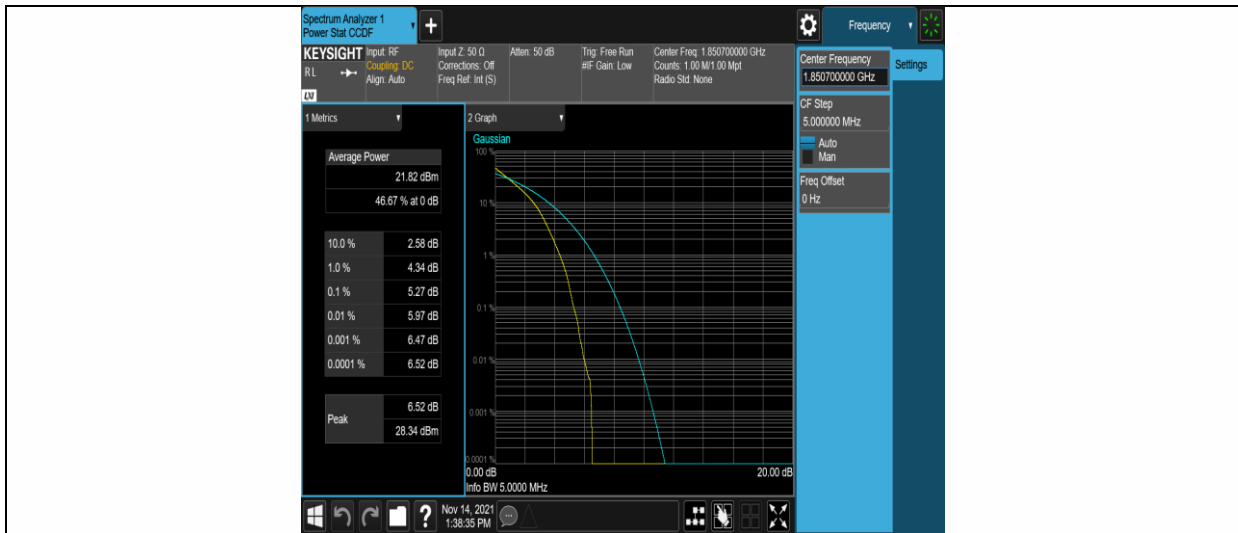
## Appendix B: Peak-to-Average Ratio(CCDF)

### Test Result

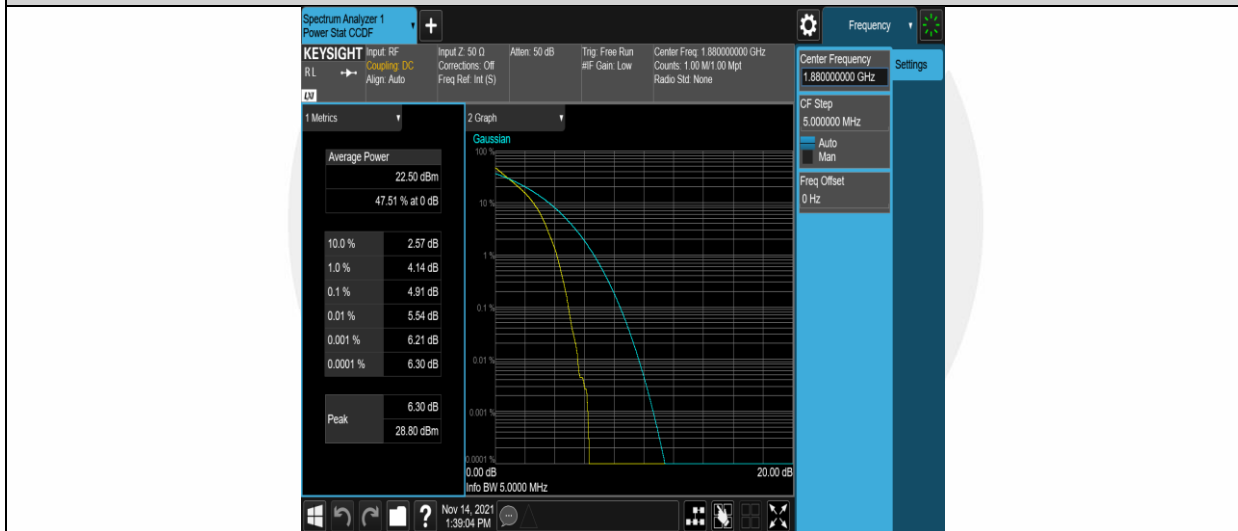
| Band  | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|-------|-----------|------------|---------|------------------|------------|-----------|---------|
| Band2 | 1.4MHz    | QPSK       | 18607   | 6RB#0            | 5.27       | 13        | PASS    |
| Band2 | 1.4MHz    | QPSK       | 18900   | 6RB#0            | 4.91       | 13        | PASS    |
| Band2 | 1.4MHz    | QPSK       | 19193   | 6RB#0            | 5.09       | 13        | PASS    |
| Band2 | 1.4MHz    | 16QAM      | 18607   | 6RB#0            | 6.18       | 13        | PASS    |
| Band2 | 1.4MHz    | 16QAM      | 18900   | 6RB#0            | 5.77       | 13        | PASS    |
| Band2 | 1.4MHz    | 16QAM      | 19193   | 6RB#0            | 5.98       | 13        | PASS    |
| Band2 | 3MHz      | QPSK       | 18615   | 15RB#0           | 5.36       | 13        | PASS    |
| Band2 | 3MHz      | QPSK       | 18900   | 15RB#0           | 5.07       | 13        | PASS    |
| Band2 | 3MHz      | QPSK       | 19185   | 15RB#0           | 5.14       | 13        | PASS    |
| Band2 | 3MHz      | 16QAM      | 18615   | 15RB#0           | 6.21       | 13        | PASS    |
| Band2 | 3MHz      | 16QAM      | 18900   | 15RB#0           | 5.97       | 13        | PASS    |
| Band2 | 3MHz      | 16QAM      | 19185   | 15RB#0           | 6.01       | 13        | PASS    |
| Band2 | 5MHz      | QPSK       | 18625   | 25RB#0           | 5.59       | 13        | PASS    |
| Band2 | 5MHz      | QPSK       | 18900   | 25RB#0           | 5.38       | 13        | PASS    |
| Band2 | 5MHz      | QPSK       | 19175   | 25RB#0           | 5.39       | 13        | PASS    |
| Band2 | 5MHz      | 16QAM      | 18625   | 25RB#0           | 6.35       | 13        | PASS    |
| Band2 | 5MHz      | 16QAM      | 18900   | 25RB#0           | 6.12       | 13        | PASS    |
| Band2 | 5MHz      | 16QAM      | 19175   | 25RB#0           | 6.18       | 13        | PASS    |
| Band2 | 10MHz     | QPSK       | 18650   | 50RB#0           | 4.69       | 13        | PASS    |
| Band2 | 10MHz     | QPSK       | 18900   | 50RB#0           | 4.63       | 13        | PASS    |
| Band2 | 10MHz     | QPSK       | 19150   | 50RB#0           | 4.67       | 13        | PASS    |
| Band2 | 10MHz     | 16QAM      | 18650   | 50RB#0           | 8.53       | 13        | PASS    |
| Band2 | 10MHz     | 16QAM      | 18900   | 50RB#0           | 8.47       | 13        | PASS    |
| Band2 | 10MHz     | 16QAM      | 19150   | 50RB#0           | 8.50       | 13        | PASS    |
| Band2 | 15MHz     | QPSK       | 18675   | 75RB#0           | 5.78       | 13        | PASS    |
| Band2 | 15MHz     | QPSK       | 18900   | 75RB#0           | 5.78       | 13        | PASS    |
| Band2 | 15MHz     | QPSK       | 19125   | 75RB#0           | 5.79       | 13        | PASS    |
| Band2 | 20MHz     | QPSK       | 18700   | 100RB#0          | 6.42       | 13        | PASS    |
| Band2 | 20MHz     | QPSK       | 18900   | 100RB#0          | 6.46       | 13        | PASS    |
| Band2 | 20MHz     | QPSK       | 19100   | 100RB#0          | 6.43       | 13        | PASS    |



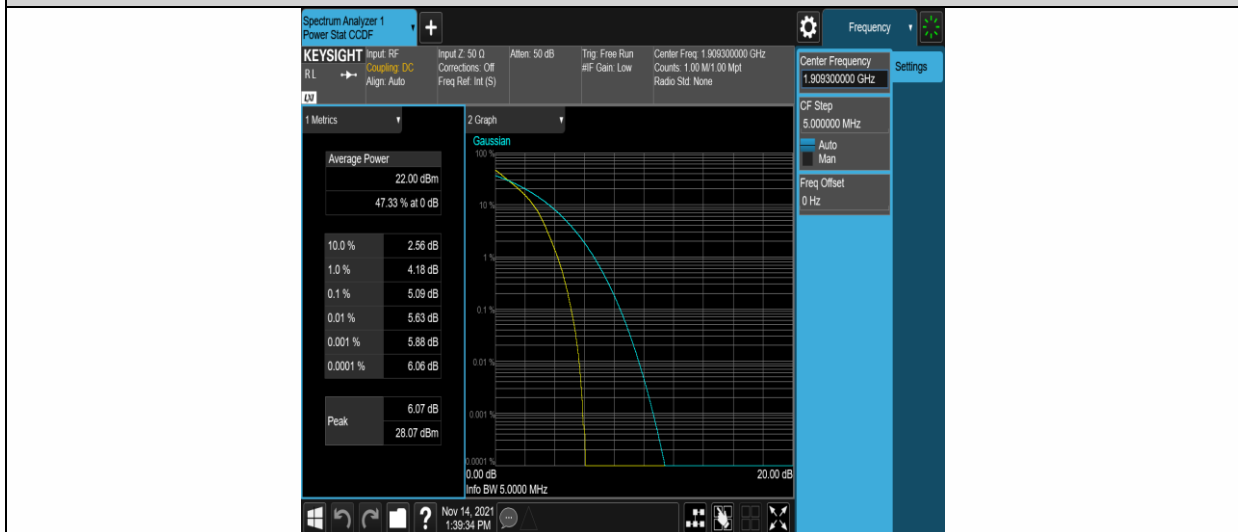
## Test Graphs



Band2-1.4MHz-QPSK-18607-6RB#0



Band2-1.4MHz-QPSK-18900-6RB#0



Band2-1.4MHz-QPSK-19193-6RB#0



Band2-1.4MHz-16QAM-18607-6RB#0



Band2-1.4MHz-16QAM-18900-6RB#0



Band2-1.4MHz-16QAM-19193-6RB#0



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



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



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



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



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



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



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



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



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



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



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



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



Band2-10MHz-QPSK-18650-50RB#0



Band2-10MHz-QPSK-18900-50RB#0



Band2-10MHz-QPSK-19150-50RB#0



Band2-10MHz-16QAM-18650-50RB#0



Band2-10MHz-16QAM-18900-50RB#0



## Band2-10MHz-16QAM-19150-50RB#0



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



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



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



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



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



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

## Appendix C: 26dB Bandwidth and Occupied Bandwidth

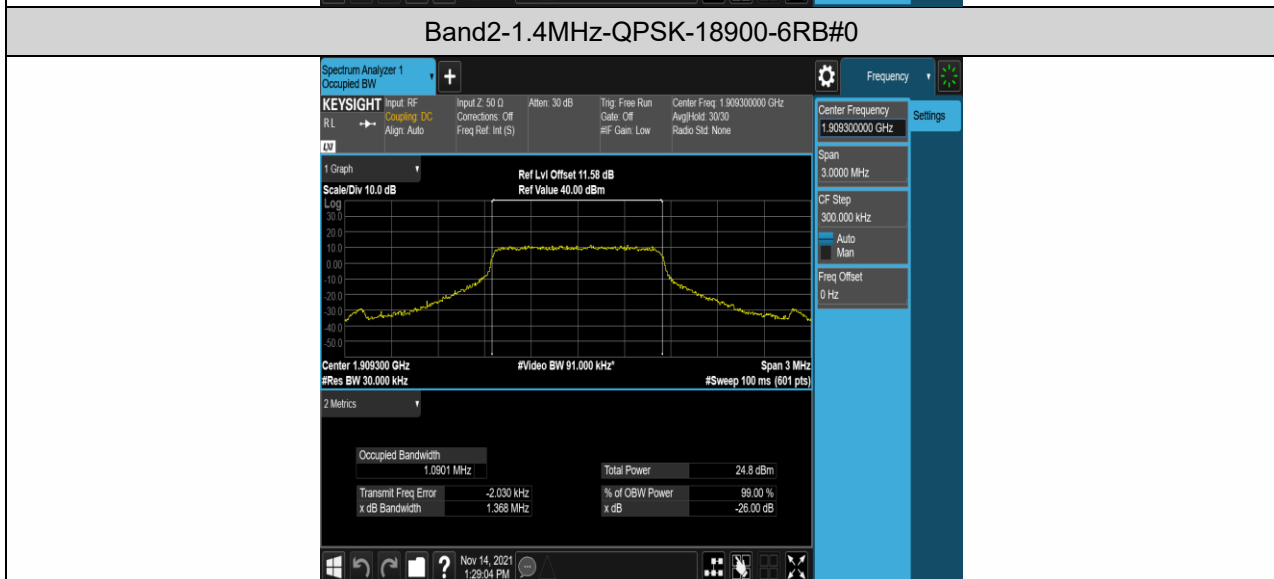
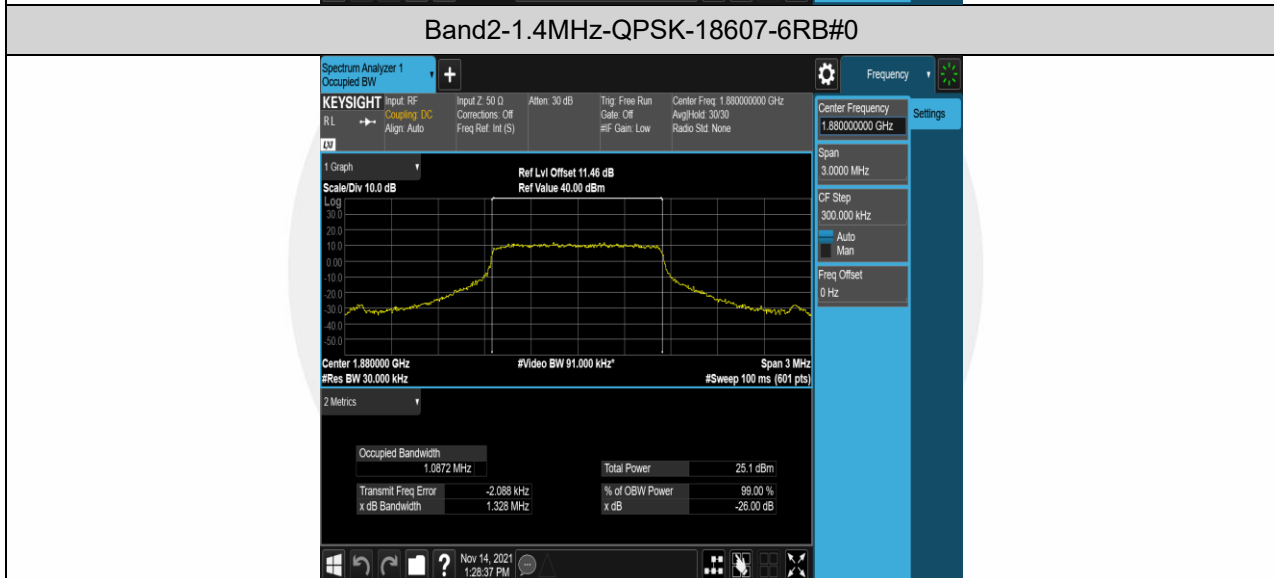
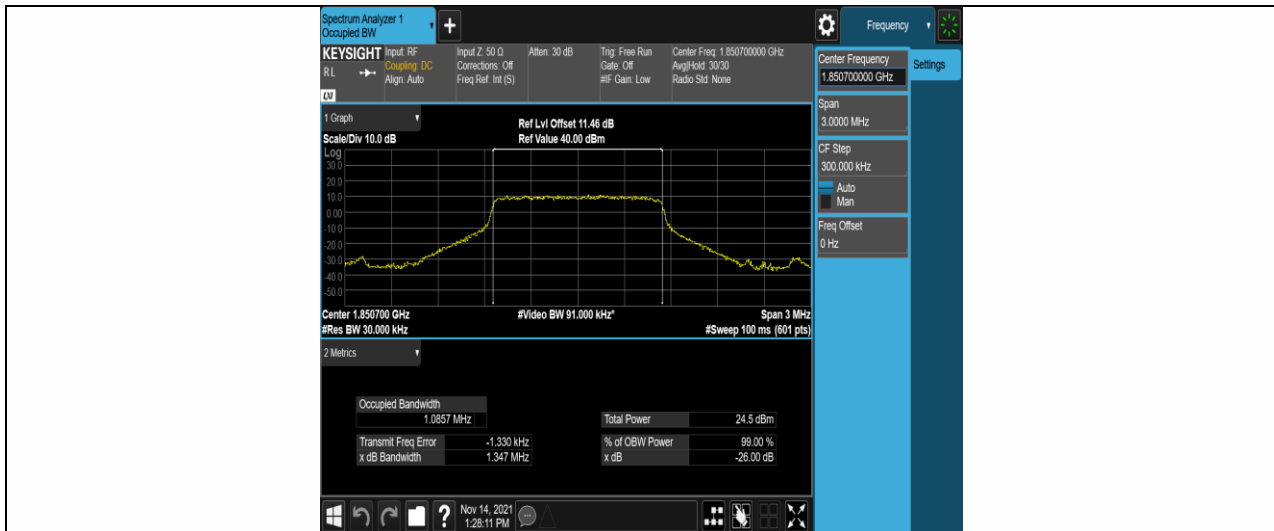
### Test Result

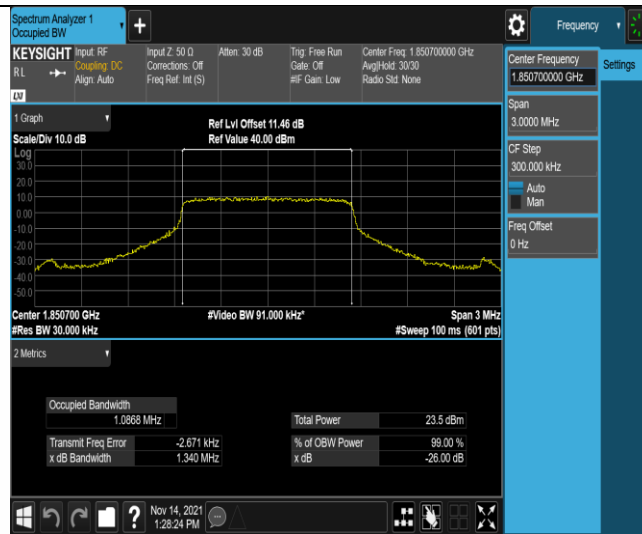
| Band  | Bandwidth | Modulation | Channel | RB Configuration | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|-------|-----------|------------|---------|------------------|--------------------------|----------------------|---------|
| Band2 | 1.4MHz    | QPSK       | 18607   | 6RB#0            | 1.0857                   | 1.347                | PASS    |
| Band2 | 1.4MHz    | QPSK       | 18900   | 6RB#0            | 1.0872                   | 1.328                | PASS    |
| Band2 | 1.4MHz    | QPSK       | 19193   | 6RB#0            | 1.0901                   | 1.368                | PASS    |
| Band2 | 1.4MHz    | 16QAM      | 18607   | 6RB#0            | 1.0868                   | 1.340                | PASS    |
| Band2 | 1.4MHz    | 16QAM      | 18900   | 6RB#0            | 1.0867                   | 1.356                | PASS    |
| Band2 | 1.4MHz    | 16QAM      | 19193   | 6RB#0            | 1.0863                   | 1.381                | PASS    |
| Band2 | 3MHz      | QPSK       | 18615   | 15RB#0           | 2.6753                   | 3.079                | PASS    |
| Band2 | 3MHz      | QPSK       | 18900   | 15RB#0           | 2.6785                   | 2.966                | PASS    |
| Band2 | 3MHz      | QPSK       | 19185   | 15RB#0           | 2.6754                   | 3.020                | PASS    |
| Band2 | 3MHz      | 16QAM      | 18615   | 15RB#0           | 2.6757                   | 2.974                | PASS    |
| Band2 | 3MHz      | 16QAM      | 18900   | 15RB#0           | 2.6761                   | 2.998                | PASS    |
| Band2 | 3MHz      | 16QAM      | 19185   | 15RB#0           | 2.6804                   | 2.994                | PASS    |
| Band2 | 5MHz      | QPSK       | 18625   | 25RB#0           | 4.4673                   | 4.888                | PASS    |
| Band2 | 5MHz      | QPSK       | 18900   | 25RB#0           | 4.4685                   | 4.906                | PASS    |
| Band2 | 5MHz      | QPSK       | 19175   | 25RB#0           | 4.4632                   | 4.906                | PASS    |
| Band2 | 5MHz      | 16QAM      | 18625   | 25RB#0           | 4.4740                   | 4.881                | PASS    |
| Band2 | 5MHz      | 16QAM      | 18900   | 25RB#0           | 4.4698                   | 4.893                | PASS    |
| Band2 | 5MHz      | 16QAM      | 19175   | 25RB#0           | 4.4705                   | 4.889                | PASS    |
| Band2 | 10MHz     | QPSK       | 18650   | 50RB#0           | 8.9318                   | 9.488                | PASS    |
| Band2 | 10MHz     | QPSK       | 18900   | 50RB#0           | 8.9149                   | 9.478                | PASS    |
| Band2 | 10MHz     | QPSK       | 19150   | 50RB#0           | 8.9181                   | 9.494                | PASS    |
| Band2 | 10MHz     | 16QAM      | 18650   | 50RB#0           | 8.9592                   | 9.557                | PASS    |
| Band2 | 10MHz     | 16QAM      | 18900   | 50RB#0           | 8.9562                   | 9.533                | PASS    |
| Band2 | 10MHz     | 16QAM      | 19150   | 50RB#0           | 8.9730                   | 9.569                | PASS    |
| Band2 | 15MHz     | QPSK       | 18675   | 75RB#0           | 13.459                   | 14.45                | PASS    |
| Band2 | 15MHz     | QPSK       | 18900   | 75RB#0           | 13.425                   | 14.40                | PASS    |
| Band2 | 15MHz     | QPSK       | 19125   | 75RB#0           | 13.453                   | 14.34                | PASS    |
| Band2 | 15MHz     | 16QAM      | 18675   | 75RB#0           | 13.442                   | 14.24                | PASS    |
| Band2 | 15MHz     | 16QAM      | 18900   | 75RB#0           | 13.432                   | 14.26                | PASS    |
| Band2 | 15MHz     | 16QAM      | 19125   | 75RB#0           | 13.440                   | 14.25                | PASS    |

|       |       |       |       |         |        |       |      |
|-------|-------|-------|-------|---------|--------|-------|------|
| Band2 | 20MHz | QPSK  | 18700 | 100RB#0 | 17.962 | 19.14 | PASS |
| Band2 | 20MHz | QPSK  | 18900 | 100RB#0 | 17.878 | 19.01 | PASS |
| Band2 | 20MHz | QPSK  | 19100 | 100RB#0 | 17.919 | 19.11 | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 100RB#0 | 17.946 | 19.19 | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 100RB#0 | 17.881 | 18.94 | PASS |
| Band2 | 20MHz | 16QAM | 19100 | 100RB#0 | 17.873 | 18.94 | PASS |

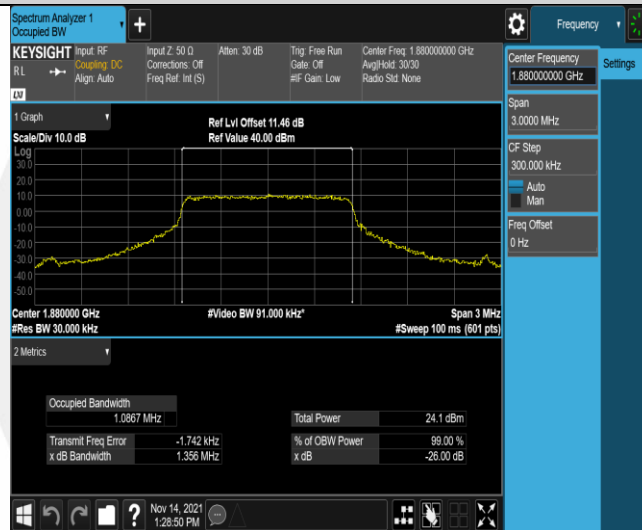


## Test Graphs

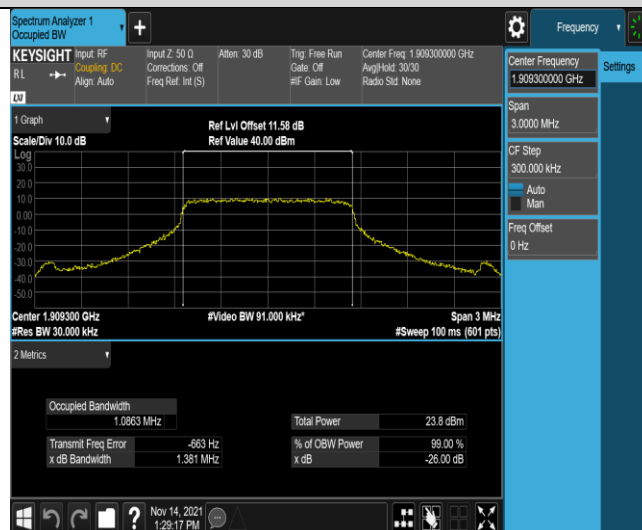




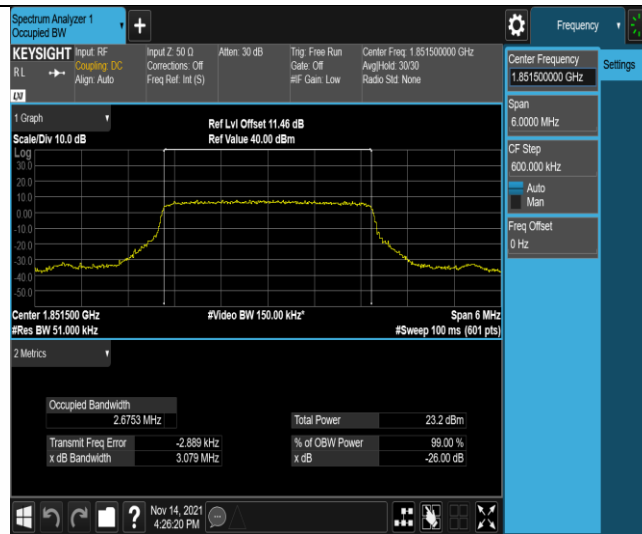
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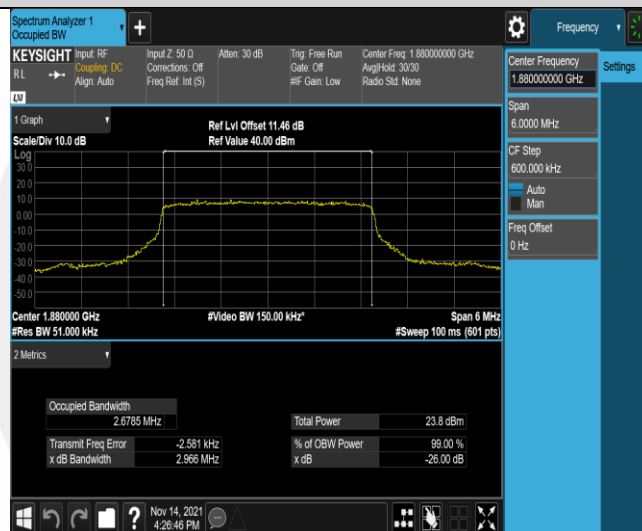
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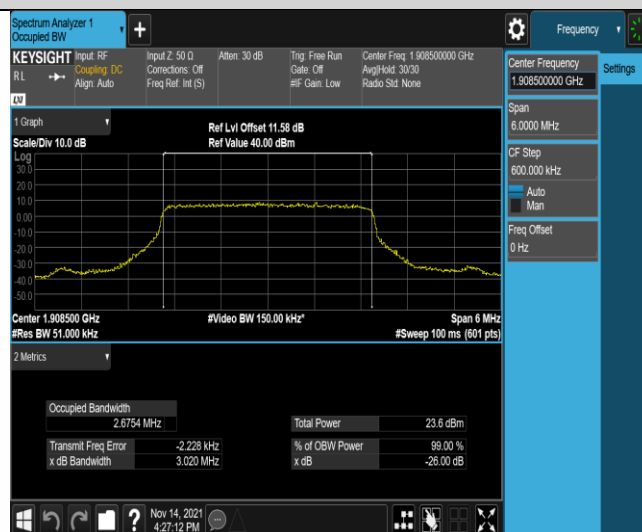
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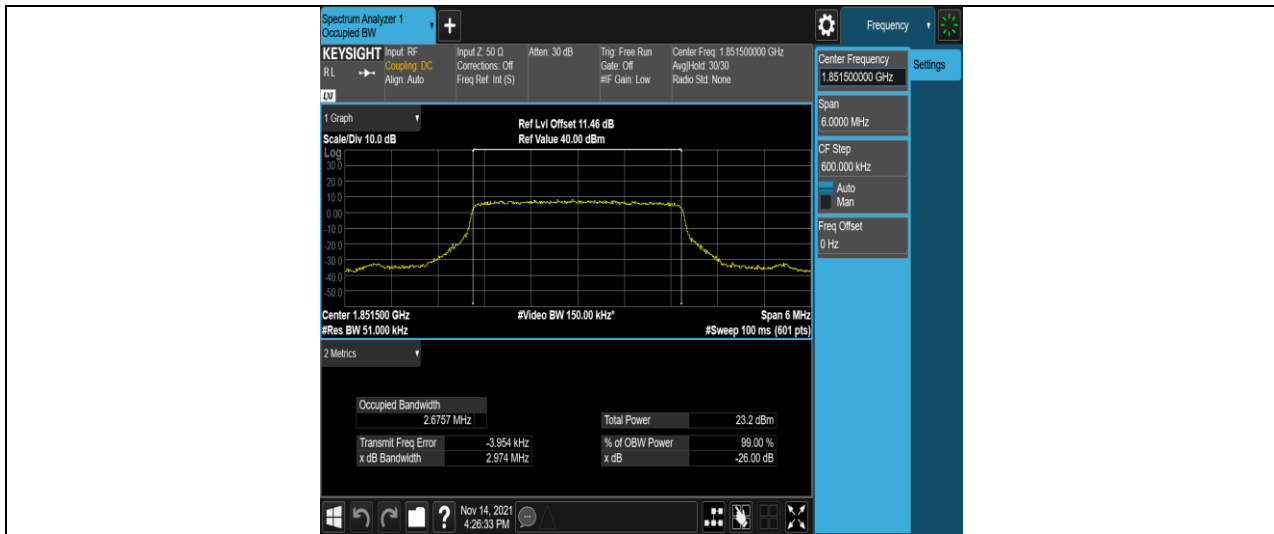
Band2-3MHz-QPSK-18615-15RB#0



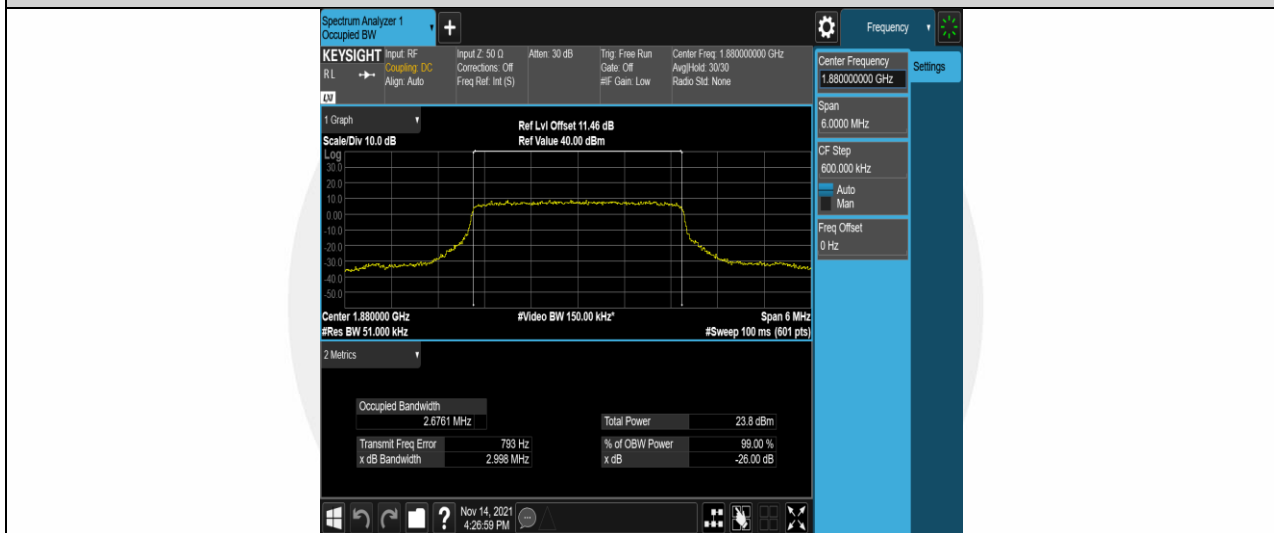
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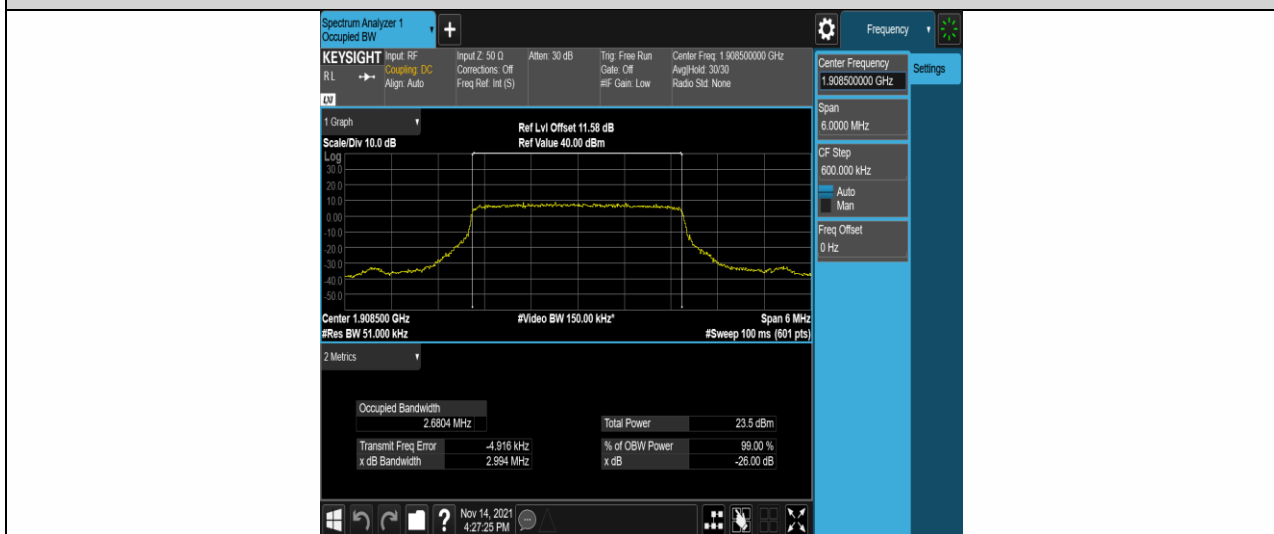
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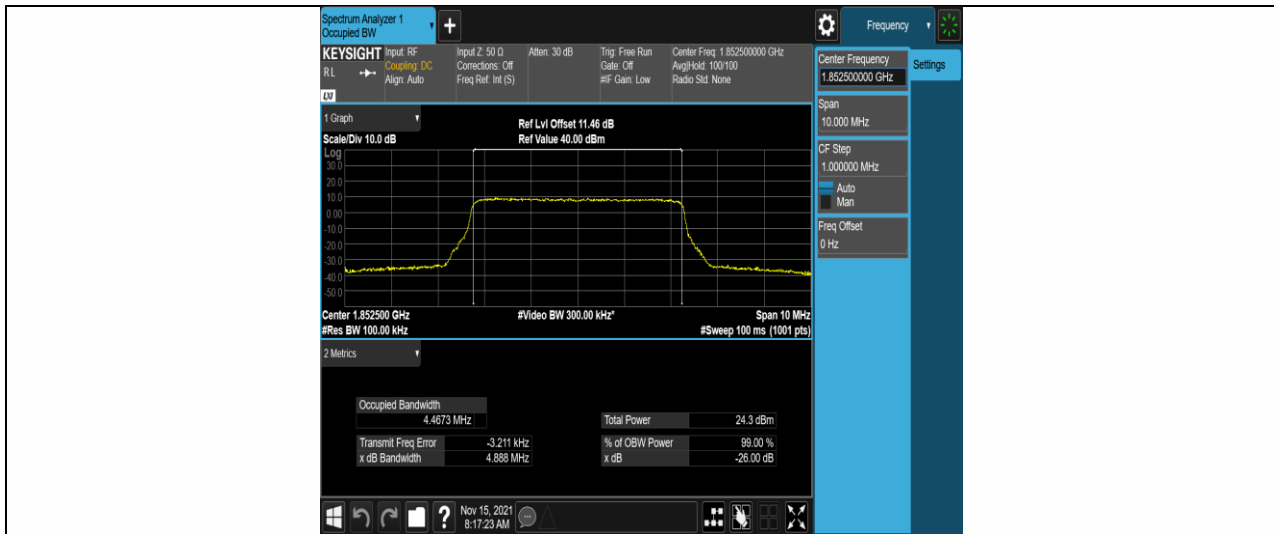
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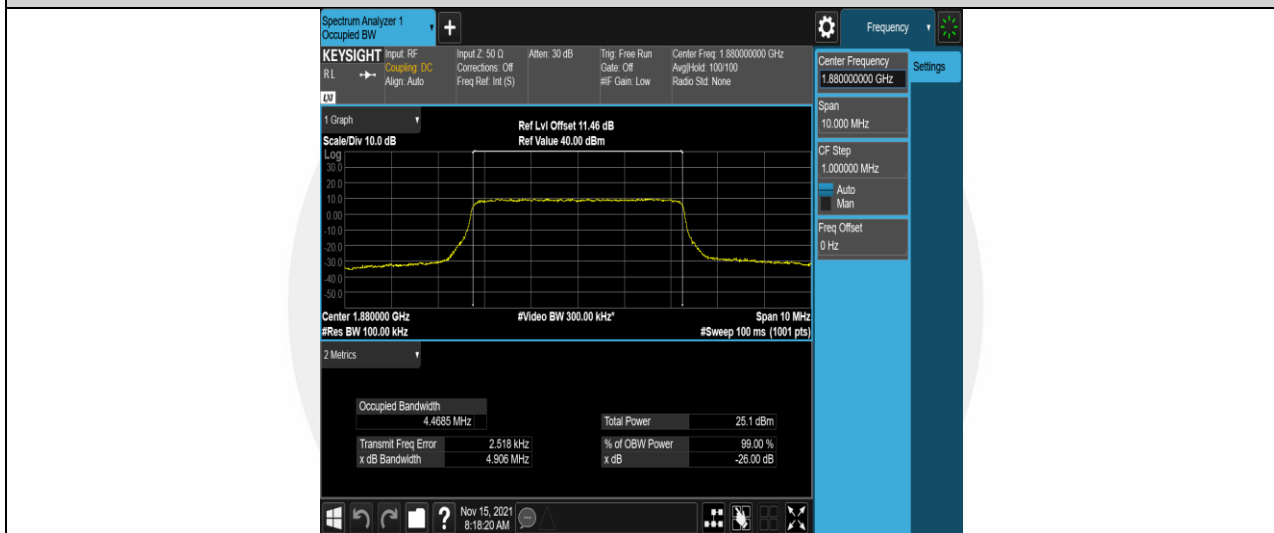
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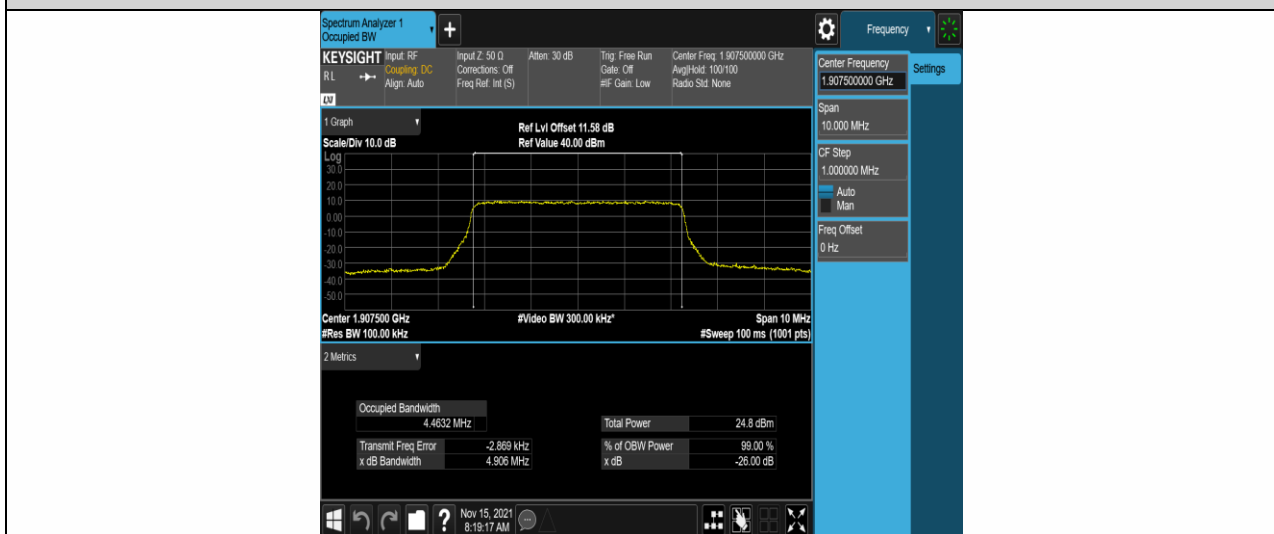
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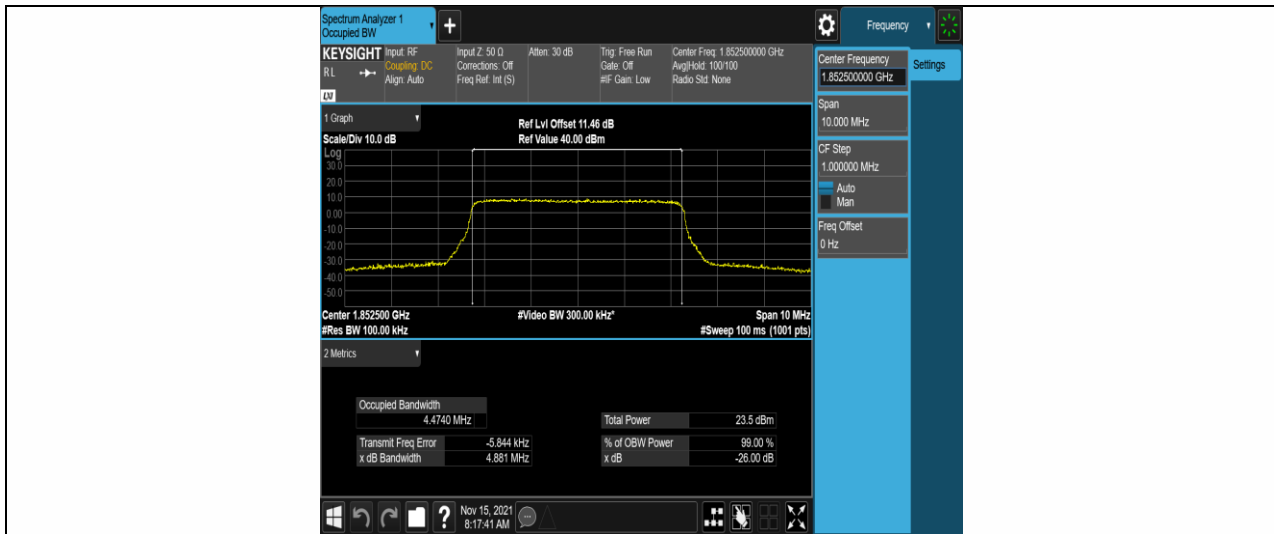
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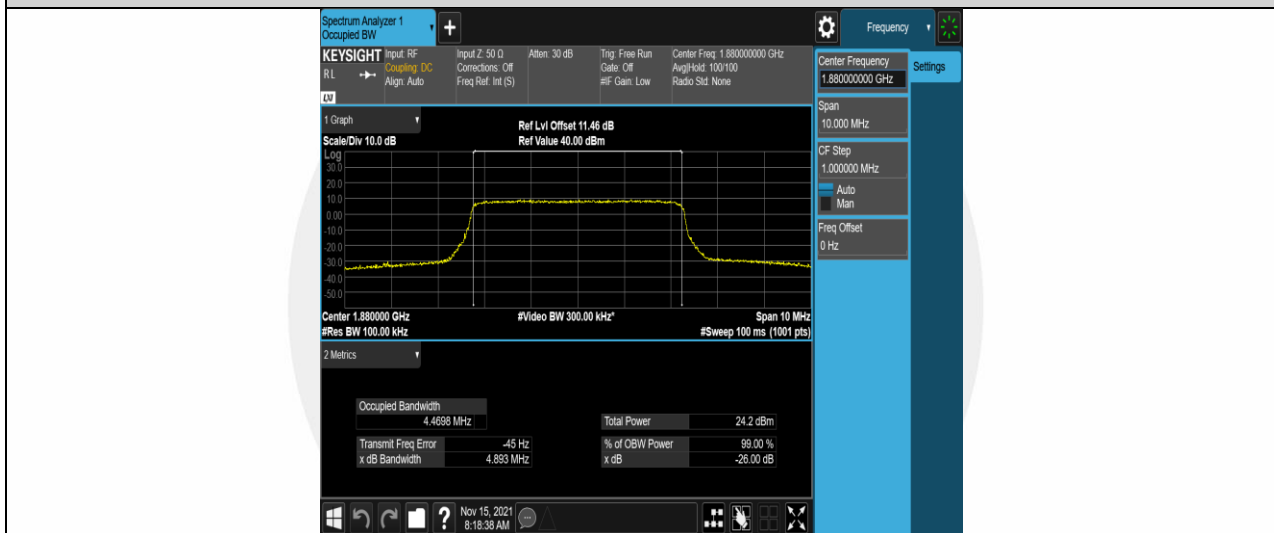
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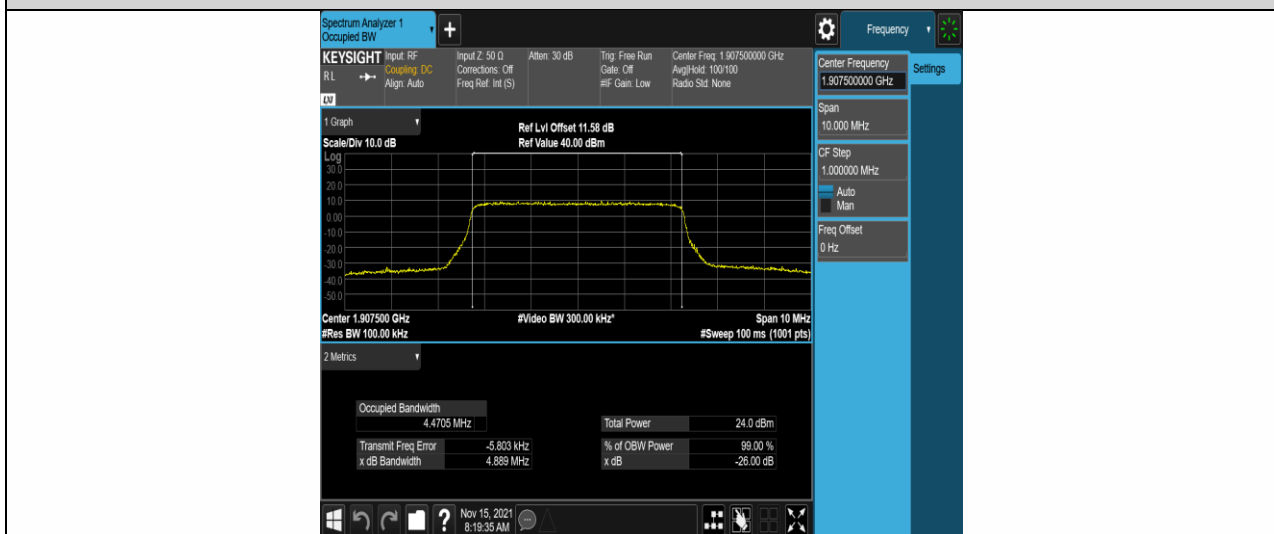
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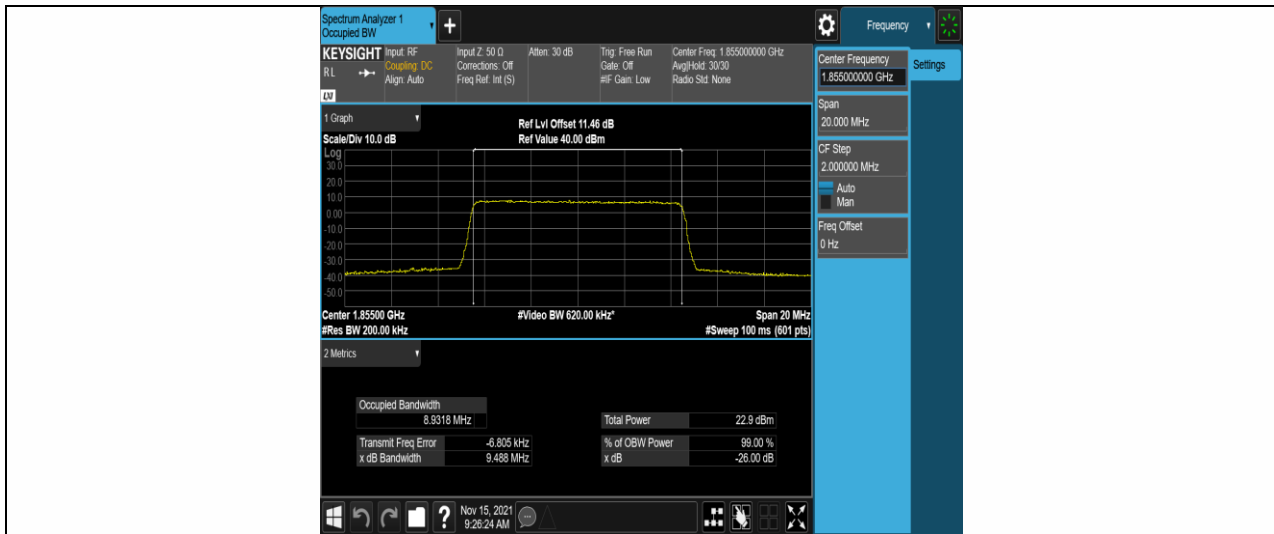
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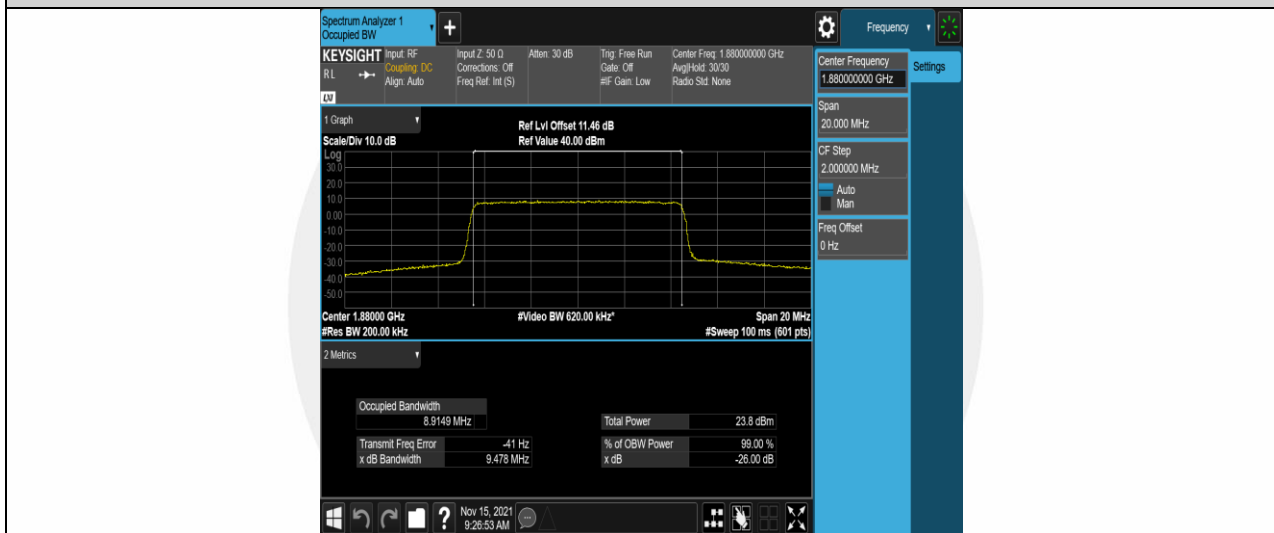
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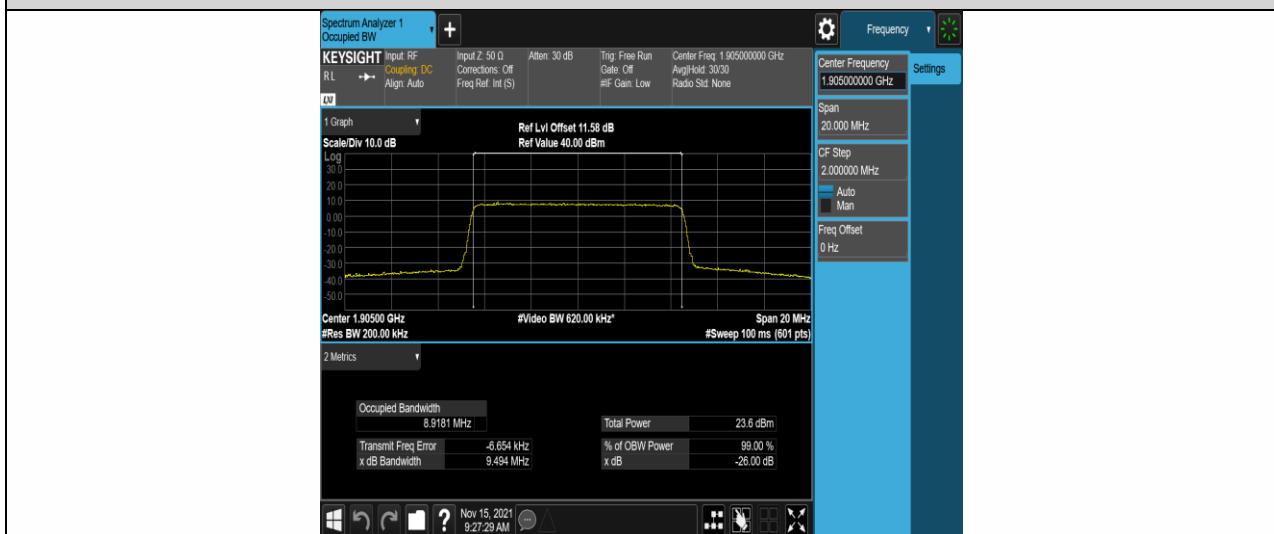
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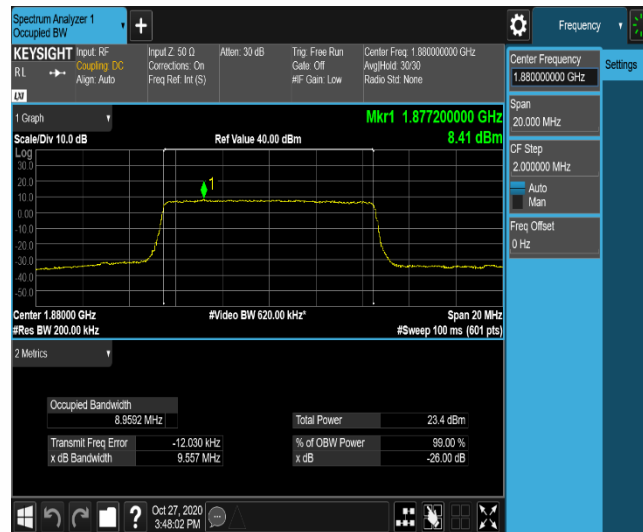
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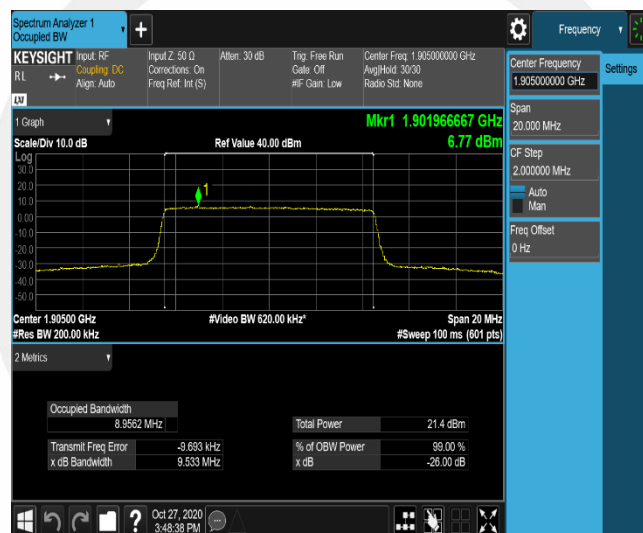
Band2-10MHz-QPSK-18900-50RB#0



Band2-10MHz-QPSK-19150-50RB#0



Band2-10MHz-16QAM-18650-50RB#0



Band2-10MHz-16QAM-18900-50RB#0

