# 1. Effective (Isotropic) Radiated Power Output Data

## 1.1 B2_1.4MHz_EIRP

### 1.1.1 Test Result

| Band: 2 / Bandwidth: 1.4MHz / NTNV | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) | | Verdict |
| | | Size | Offset | | | Result | Limit | |
| QPSK | 1850.7 | 1 | 0 | 18.07 | 0.51 | 18.58 | <=33.01 | Pass |
| | | | 2 | 18.20 | 0.51 | 18.71 | <=33.01 | Pass |
| | | | 5 | 18.24 | 0.51 | 18.75 | <=33.01 | Pass |
| | | 3 | 0 | 18.32 | 0.51 | 18.83 | <=33.01 | Pass |
| | | | 2 | 18.24 | 0.51 | 18.75 | <=33.01 | Pass |
| | | | 3 | 18.21 | 0.51 | 18.72 | <=33.01 | Pass |
| | | 6 | 0 | 17.16 | 0.51 | 17.67 | <=33.01 | Pass |
| | 1880 | 1 | 0 | 21.23 | 0.51 | 21.74 | <=33.01 | Pass |
| | | | 2 | 21.28 | 0.51 | 21.79 | <=33.01 | Pass |
| | | | 5 | 21.27 | 0.51 | 21.78 | <=33.01 | Pass |
| | | 3 | 0 | 21.31 | 0.51 | 21.82 | <=33.01 | Pass |
| | | | 2 | 21.33 | 0.51 | 21.84 | <=33.01 | Pass |
| | | | 3 | 21.40 | 0.51 | 21.91 | <=33.01 | Pass |
| | | 6 | 0 | 20.27 | 0.51 | 20.78 | <=33.01 | Pass |
| | 1909.3 | 1 | 0 | 20.98 | 0.51 | 21.49 | <=33.01 | Pass |
| | | | 2 | 20.99 | 0.51 | 21.50 | <=33.01 | Pass |
| | | | 5 | 21.02 | 0.51 | 21.53 | <=33.01 | Pass |
| | | 3 | 0 | 20.96 | 0.51 | 21.47 | <=33.01 | Pass |
| | | | 2 | 20.97 | 0.51 | 21.48 | <=33.01 | Pass |
| | | | 3 | 20.89 | 0.51 | 21.40 | <=33.01 | Pass |
| | | 6 | 0 | 19.98 | 0.51 | 20.49 | <=33.01 | Pass |
| 16QAM | 1850.7 | 1 | 0 | 19.22 | 0.51 | 19.73 | <=33.01 | Pass |
| | | | 2 | 19.29 | 0.51 | 19.80 | <=33.01 | Pass |
| | | | 5 | 19.28 | 0.51 | 19.79 | <=33.01 | Pass |
| | | 3 | 0 | 19.10 | 0.51 | 19.61 | <=33.01 | Pass |
| | | | 2 | 19.12 | 0.51 | 19.63 | <=33.01 | Pass |
| | | | 3 | 19.12 | 0.51 | 19.63 | <=33.01 | Pass |
| | | 6 | 0 | 18.20 | 0.51 | 18.71 | <=33.01 | Pass |
| | 1880 | 1 | 0 | 19.96 | 0.51 | 20.47 | <=33.01 | Pass |
| | | | 2 | 19.97 | 0.51 | 20.48 | <=33.01 | Pass |
| | | | 5 | 20.03 | 0.51 | 20.54 | <=33.01 | Pass |
| | | 3 | 0 | 20.25 | 0.51 | 20.76 | <=33.01 | Pass |
| | | | 2 | 20.26 | 0.51 | 20.77 | <=33.01 | Pass |
| | | | 3 | 20.35 | 0.51 | 20.86 | <=33.01 | Pass |
| | | 6 | 0 | 19.35 | 0.51 | 19.86 | <=33.01 | Pass |
| | 1909.3 | 1 | 0 | 19.58 | 0.51 | 20.09 | <=33.01 | Pass |
| | | | 2 | 19.56 | 0.51 | 20.07 | <=33.01 | Pass |
| | | | 5 | 19.57 | 0.51 | 20.08 | <=33.01 | Pass |
| | | 3 | 0 | 19.98 | 0.51 | 20.49 | <=33.01 | Pass |
| | | | 2 | 19.94 | 0.51 | 20.45 | <=33.01 | Pass |
| | | | 3 | 19.91 | 0.51 | 20.42 | <=33.01 | Pass |
| | | 6 | 0 | 19.16 | 0.51 | 19.67 | <=33.01 | Pass |
| Note1: EIRP=Conducted Power+Antenna Gain | | | | | | | | |

## 1.2 B2_3MHz_EIRP

### 1.2.1 Test Result

| Band: 2 / Bandwidth: 3MHz / NTNV | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) | | Verdict |
| | | Size | Offset | | | Result | Limit | |
| QPSK | 1851.5 | 1 | 0 | 19.18 | 0.51 | 19.69 | <=33.01 | Pass |
| | | | 7 | 19.17 | 0.51 | 19.68 | <=33.01 | Pass |
| | | | 14 | 19.25 | 0.51 | 19.76 | <=33.01 | Pass |
| | | 8 | 0 | 19.21 | 0.51 | 19.72 | <=33.01 | Pass |
| | | | 4 | 19.19 | 0.51 | 19.70 | <=33.01 | Pass |
| | | | 7 | 19.24 | 0.51 | 19.75 | <=33.01 | Pass |
| | | 15 | 0 | 19.22 | 0.51 | 19.73 | <=33.01 | Pass |
| | 1880 | 1 | 0 | 20.34 | 0.51 | 20.85 | <=33.01 | Pass |
| | | | 7 | 20.32 | 0.51 | 20.83 | <=33.01 | Pass |
| | | | 14 | 20.31 | 0.51 | 20.82 | <=33.01 | Pass |
| | | 8 | 0 | 20.42 | 0.51 | 20.93 | <=33.01 | Pass |
| | | | 4 | 20.41 | 0.51 | 20.92 | <=33.01 | Pass |
| | | | 7 | 20.40 | 0.51 | 20.91 | <=33.01 | Pass |
| | | 15 | 0 | 20.39 | 0.51 | 20.90 | <=33.01 | Pass |
| | 1908.5 | 1 | 0 | 20.01 | 0.51 | 20.52 | <=33.01 | Pass |
| | | | 7 | 20.06 | 0.51 | 20.57 | <=33.01 | Pass |
| | | | 14 | 20.11 | 0.51 | 20.62 | <=33.01 | Pass |
| | | 8 | 0 | 20.10 | 0.51 | 20.61 | <=33.01 | Pass |
| | | | 4 | 20.09 | 0.51 | 20.60 | <=33.01 | Pass |
| | | | 7 | 20.07 | 0.51 | 20.58 | <=33.01 | Pass |
| | | 15 | 0 | 20.06 | 0.51 | 20.57 | <=33.01 | Pass |
| 16QAM | 1851.5 | 1 | 0 | 19.20 | 0.51 | 19.71 | <=33.01 | Pass |
| | | | 7 | 19.36 | 0.51 | 19.87 | <=33.01 | Pass |
| | | | 14 | 19.35 | 0.51 | 19.86 | <=33.01 | Pass |
| | | 8 | 0 | 19.33 | 0.51 | 19.84 | <=33.01 | Pass |
| | | | 4 | 19.32 | 0.51 | 19.83 | <=33.01 | Pass |
| | | | 7 | 19.31 | 0.51 | 19.82 | <=33.01 | Pass |
| | | 15 | 0 | 19.30 | 0.51 | 19.81 | <=33.01 | Pass |
| | 1880 | 1 | 0 | 20.38 | 0.51 | 20.89 | <=33.01 | Pass |
| | | | 7 | 20.38 | 0.51 | 20.89 | <=33.01 | Pass |
| | | | 14 | 20.37 | 0.51 | 20.88 | <=33.01 | Pass |
| | | 8 | 0 | 20.36 | 0.51 | 20.87 | <=33.01 | Pass |
| | | | 4 | 20.36 | 0.51 | 20.87 | <=33.01 | Pass |
| | | | 7 | 20.35 | 0.51 | 20.86 | <=33.01 | Pass |
| | | 15 | 0 | 20.34 | 0.51 | 20.85 | <=33.01 | Pass |
| | 1908.5 | 1 | 0 | 20.05 | 0.51 | 20.56 | <=33.01 | Pass |
| | | | 7 | 20.04 | 0.51 | 20.55 | <=33.01 | Pass |
| | | | 14 | 20.02 | 0.51 | 20.53 | <=33.01 | Pass |
| | | 8 | 0 | 20.02 | 0.51 | 20.53 | <=33.01 | Pass |
| | | | 4 | 20.01 | 0.51 | 20.52 | <=33.01 | Pass |
| | | | 7 | 20.13 | 0.51 | 20.64 | <=33.01 | Pass |
| | | 15 | 0 | 18.15 | 0.51 | 18.66 | <=33.01 | Pass |
| Note1: EIRP=Conducted Power+Antenna Gain | | | | | | | | |

## 1.3 B2_5MHz_EIRP

### 1.3.1 Test Result

| Band: 2 / Bandwidth: 5MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency | RB Allocation | Conducted Power | Gain | EIRP (dBm) | Verdict |

| | (MHz) | Size | Offset | (dBm) | (dBi) | Result | Limit | |
|---|---|---|---|---|---|---|---|---|
| QPSK | 1852.5 | 1 | 0 | 18.20 | 0.51 | 18.71 | <=33.01 | Pass |
| | | | 13 | 18.21 | 0.51 | 18.72 | <=33.01 | Pass |
| | | | 24 | 18.28 | 0.51 | 18.79 | <=33.01 | Pass |
| | | 12 | 0 | 17.26 | 0.51 | 17.77 | <=33.01 | Pass |
| | | | 6 | 17.28 | 0.51 | 17.79 | <=33.01 | Pass |
| | | | 13 | 17.35 | 0.51 | 17.86 | <=33.01 | Pass |
| | | 25 | 0 | 17.27 | 0.51 | 17.78 | <=33.01 | Pass |
| | 1880 | 1 | 0 | 19.23 | 0.51 | 19.74 | <=33.01 | Pass |
| | | | 13 | 19.23 | 0.51 | 19.74 | <=33.01 | Pass |
| | | | 24 | 19.24 | 0.51 | 19.75 | <=33.01 | Pass |
| | | 12 | 0 | 15.31 | 0.51 | 15.82 | <=33.01 | Pass |
| | | | 6 | 15.41 | 0.51 | 15.92 | <=33.01 | Pass |
| | | | 13 | 15.26 | 0.51 | 15.77 | <=33.01 | Pass |
| | | 25 | 0 | 15.32 | 0.51 | 15.83 | <=33.01 | Pass |
| | 1907.5 | 1 | 0 | 15.85 | 0.51 | 16.36 | <=33.01 | Pass |
| | | | 13 | 16.05 | 0.51 | 16.56 | <=33.01 | Pass |
| | | | 24 | 15.08 | 0.51 | 15.59 | <=33.01 | Pass |
| | | 12 | 0 | 15.15 | 0.51 | 15.66 | <=33.01 | Pass |
| | | | 6 | 15.15 | 0.51 | 15.66 | <=33.01 | Pass |
| | | | 13 | 14.74 | 0.51 | 15.25 | <=33.01 | Pass |
| | | 25 | 0 | 14.97 | 0.51 | 15.48 | <=33.01 | Pass |
| 16QAM | 1852.5 | 1 | 0 | 16.51 | 0.51 | 17.02 | <=33.01 | Pass |
| | | | 13 | 16.60 | 0.51 | 17.11 | <=33.01 | Pass |
| | | | 24 | 16.61 | 0.51 | 17.12 | <=33.01 | Pass |
| | | 12 | 0 | 15.55 | 0.51 | 16.06 | <=33.01 | Pass |
| | | | 6 | 15.84 | 0.51 | 16.35 | <=33.01 | Pass |
| | | | 13 | 15.82 | 0.51 | 16.33 | <=33.01 | Pass |
| | | 25 | 0 | 15.76 | 0.51 | 16.27 | <=33.01 | Pass |
| | 1880 | 1 | 0 | 15.10 | 0.51 | 15.61 | <=33.01 | Pass |
| | | | 13 | 15.57 | 0.51 | 16.08 | <=33.01 | Pass |
| | | | 24 | 15.04 | 0.51 | 15.55 | <=33.01 | Pass |
| | | 12 | 0 | 14.24 | 0.51 | 14.75 | <=33.01 | Pass |
| | | | 6 | 14.38 | 0.51 | 14.89 | <=33.01 | Pass |
| | | | 13 | 14.22 | 0.51 | 14.73 | <=33.01 | Pass |
| | | 25 | 0 | 14.29 | 0.51 | 14.80 | <=33.01 | Pass |
| | 1907.5 | 1 | 0 | 15.12 | 0.51 | 15.63 | <=33.01 | Pass |
| | | | 13 | 15.36 | 0.51 | 15.87 | <=33.01 | Pass |
| | | | 24 | 14.39 | 0.51 | 14.90 | <=33.01 | Pass |
| | | 12 | 0 | 14.10 | 0.51 | 14.61 | <=33.01 | Pass |
| | | | 6 | 14.11 | 0.51 | 14.62 | <=33.01 | Pass |
| | | | 13 | 13.71 | 0.51 | 14.22 | <=33.01 | Pass |
| | | 25 | 0 | 13.89 | 0.51 | 14.40 | <=33.01 | Pass |
| Note1: EIRP=Conducted Power+Antenna Gain | | | | | | | | |

## 1.4 B2_10MHz_EIRP

### 1.4.1 Test Result

| Band: 2 / Bandwidth: 10MHz / NTNV | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) | | Verdict |
| | | Size | Offset | | | Result | Limit | |
| QPSK | 1855 | 1 | 0 | 19.47 | 0.51 | 19.98 | <=33.01 | Pass |
| | | | 25 | 19.39 | 0.51 | 19.90 | <=33.01 | Pass |
| | | | 49 | 19.34 | 0.51 | 19.85 | <=33.01 | Pass |
| | | 25 | 0 | 19.43 | 0.51 | 19.94 | <=33.01 | Pass |
| | | | 13 | 19.40 | 0.51 | 19.91 | <=33.01 | Pass |
| | | | 25 | 19.38 | 0.51 | 19.89 | <=33.01 | Pass |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | 50 | 0 | 19.36 | 0.51 | 19.87 | <=33.01 | Pass |
| | 1880 | 1 | 0 | 20.47 | 0.51 | 20.98 | <=33.01 | Pass |
| | | | 25 | 20.44 | 0.51 | 20.95 | <=33.01 | Pass |
| | | | 49 | 20.43 | 0.51 | 20.94 | <=33.01 | Pass |
| | | 25 | 0 | 20.42 | 0.51 | 20.93 | <=33.01 | Pass |
| | | | 13 | 20.41 | 0.51 | 20.92 | <=33.01 | Pass |
| | | | 25 | 20.40 | 0.51 | 20.91 | <=33.01 | Pass |
| | | 50 | 0 | 20.39 | 0.51 | 20.90 | <=33.01 | Pass |
| | 1905 | 1 | 0 | 18.12 | 0.51 | 18.63 | <=33.01 | Pass |
| | | | 25 | 18.20 | 0.51 | 18.71 | <=33.01 | Pass |
| | | | 49 | 18.18 | 0.51 | 18.69 | <=33.01 | Pass |
| | | 25 | 0 | 18.17 | 0.51 | 18.68 | <=33.01 | Pass |
| | | | 13 | 18.17 | 0.51 | 18.68 | <=33.01 | Pass |
| | | | 25 | 18.16 | 0.51 | 18.67 | <=33.01 | Pass |
| | | 50 | 0 | 18.15 | 0.51 | 18.66 | <=33.01 | Pass |
| 16QAM | 1855 | 1 | 0 | 19.34 | 0.51 | 19.85 | <=33.01 | Pass |
| | | | 25 | 19.40 | 0.51 | 19.91 | <=33.01 | Pass |
| | | | 49 | 19.39 | 0.51 | 19.90 | <=33.01 | Pass |
| | | 25 | 0 | 19.37 | 0.51 | 19.88 | <=33.01 | Pass |
| | | | 13 | 19.53 | 0.51 | 20.04 | <=33.01 | Pass |
| | | | 25 | 19.55 | 0.51 | 20.06 | <=33.01 | Pass |
| | | 50 | 0 | 19.54 | 0.51 | 20.05 | <=33.01 | Pass |
| | 1880 | 1 | 0 | 18.38 | 0.51 | 18.89 | <=33.01 | Pass |
| | | | 25 | 18.38 | 0.51 | 18.89 | <=33.01 | Pass |
| | | | 49 | 18.39 | 0.51 | 18.90 | <=33.01 | Pass |
| | | 25 | 0 | 18.39 | 0.51 | 18.90 | <=33.01 | Pass |
| | | | 13 | 18.39 | 0.51 | 18.90 | <=33.01 | Pass |
| | | | 25 | 18.39 | 0.51 | 18.90 | <=33.01 | Pass |
| | | 50 | 0 | 18.39 | 0.51 | 18.90 | <=33.01 | Pass |
| | 1905 | 1 | 0 | 18.15 | 0.51 | 18.66 | <=33.01 | Pass |
| | | | 25 | 18.14 | 0.51 | 18.65 | <=33.01 | Pass |
| | | | 49 | 18.14 | 0.51 | 18.65 | <=33.01 | Pass |
| | | 25 | 0 | 18.13 | 0.51 | 18.64 | <=33.01 | Pass |
| | | | 13 | 18.13 | 0.51 | 18.64 | <=33.01 | Pass |
| | | | 25 | 15.38 | 0.51 | 15.89 | <=33.01 | Pass |
| | | 50 | 0 | 15.43 | 0.51 | 15.94 | <=33.01 | Pass |
| Note1: EIRP=Conducted Power+Antenna Gain | | | | | | | | |

## 1.5 B2_15MHz_EIRP

### 1.5.1 Test Result

| Band: 2 / Bandwidth: 15MHz / NTNV | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) | | Verdict |
| | | Size | Offset | | | Result | Limit | |
| QPSK | 1857.5 | 1 | 0 | 15.54 | 0.51 | 16.05 | <=33.01 | Pass |
| | | | 38 | 16.24 | 0.51 | 16.75 | <=33.01 | Pass |
| | | | 74 | 16.57 | 0.51 | 17.08 | <=33.01 | Pass |
| | | 36 | 0 | 15.02 | 0.51 | 15.53 | <=33.01 | Pass |
| | | | 18 | 15.23 | 0.51 | 15.74 | <=33.01 | Pass |
| | | | 39 | 15.59 | 0.51 | 16.10 | <=33.01 | Pass |
| | | 75 | 0 | 15.31 | 0.51 | 15.82 | <=33.01 | Pass |
| | 1880 | 1 | 0 | 16.31 | 0.51 | 16.82 | <=33.01 | Pass |
| | | | 38 | 14.27 | 0.51 | 14.78 | <=33.01 | Pass |
| | | | 74 | 14.11 | 0.51 | 14.62 | <=33.01 | Pass |
| | | 36 | 0 | 13.57 | 0.51 | 14.08 | <=33.01 | Pass |
| | | | 18 | 13.48 | 0.51 | 13.99 | <=33.01 | Pass |
| | | | 39 | 13.49 | 0.51 | 14.00 | <=33.01 | Pass |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | 75 | 0 | 13.54 | 0.51 | 14.05 | <=33.01 | Pass |
| | 1902.5 | 1 | 0 | 14.66 | 0.51 | 15.17 | <=33.01 | Pass |
| | | | 38 | 14.14 | 0.51 | 14.65 | <=33.01 | Pass |
| | | | 74 | 13.09 | 0.51 | 13.60 | <=33.01 | Pass |
| | | 36 | 0 | 13.78 | 0.51 | 14.29 | <=33.01 | Pass |
| | | | 18 | 13.31 | 0.51 | 13.82 | <=33.01 | Pass |
| | | | 39 | 20.23 | 0.51 | 20.74 | <=33.01 | Pass |
| | | 75 | 0 | 20.22 | 0.51 | 20.73 | <=33.01 | Pass |
| 16QAM | 1857.5 | 1 | 0 | 15.14 | 0.51 | 15.65 | <=33.01 | Pass |
| | | | 38 | 15.60 | 0.51 | 16.11 | <=33.01 | Pass |
| | | | 74 | 16.11 | 0.51 | 16.62 | <=33.01 | Pass |
| | | 36 | 0 | 13.93 | 0.51 | 14.44 | <=33.01 | Pass |
| | | | 18 | 14.16 | 0.51 | 14.67 | <=33.01 | Pass |
| | | | 39 | 14.52 | 0.51 | 15.03 | <=33.01 | Pass |
| | | 75 | 0 | 14.22 | 0.51 | 14.73 | <=33.01 | Pass |
| | 1880 | 1 | 0 | 13.90 | 0.51 | 14.41 | <=33.01 | Pass |
| | | | 38 | 13.82 | 0.51 | 14.33 | <=33.01 | Pass |
| | | | 74 | 13.65 | 0.51 | 14.16 | <=33.01 | Pass |
| | | 36 | 0 | 12.51 | 0.51 | 13.02 | <=33.01 | Pass |
| | | | 18 | 12.43 | 0.51 | 12.94 | <=33.01 | Pass |
| | | | 39 | 12.42 | 0.51 | 12.93 | <=33.01 | Pass |
| | | 75 | 0 | 12.47 | 0.51 | 12.98 | <=33.01 | Pass |
| | 1902.5 | 1 | 0 | 21.10 | 0.51 | 21.61 | <=33.01 | Pass |
| | | | 38 | 20.99 | 0.51 | 21.50 | <=33.01 | Pass |
| | | | 74 | 20.66 | 0.51 | 21.17 | <=33.01 | Pass |
| | | 36 | 0 | 19.54 | 0.51 | 20.05 | <=33.01 | Pass |
| | | | 18 | 19.38 | 0.51 | 19.89 | <=33.01 | Pass |
| | | | 39 | 19.33 | 0.51 | 19.84 | <=33.01 | Pass |
| | | 75 | 0 | 19.52 | 0.51 | 20.03 | <=33.01 | Pass |
| Note1: EIRP=Conducted Power+Antenna Gain | | | | | | | | |

## 1.6 B2_20MHz_EIRP

### 1.6.1 Test Result

| Band: 2 / Bandwidth: 20MHz / NTNV | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) | | Verdict |
| | | Size | Offset | | | Result | Limit | |
| QPSK | 1860 | 1 | 0 | 19.57 | 0.51 | 20.08 | <=33.01 | Pass |
| | | | 50 | 19.61 | 0.51 | 20.12 | <=33.01 | Pass |
| | | | 99 | 19.57 | 0.51 | 20.08 | <=33.01 | Pass |
| | | 50 | 0 | 19.53 | 0.51 | 20.04 | <=33.01 | Pass |
| | | | 25 | 19.62 | 0.51 | 20.13 | <=33.01 | Pass |
| | | | 50 | 19.60 | 0.51 | 20.11 | <=33.01 | Pass |
| | | 100 | 0 | 19.64 | 0.51 | 20.15 | <=33.01 | Pass |
| | 1880 | 1 | 0 | 20.40 | 0.51 | 20.91 | <=33.01 | Pass |
| | | | 50 | 18.33 | 0.51 | 18.84 | <=33.01 | Pass |
| | | | 99 | 18.33 | 0.51 | 18.84 | <=33.01 | Pass |
| | | 50 | 0 | 18.32 | 0.51 | 18.83 | <=33.01 | Pass |
| | | | 25 | 18.32 | 0.51 | 18.83 | <=33.01 | Pass |
| | | | 50 | 18.31 | 0.51 | 18.82 | <=33.01 | Pass |
| | | 100 | 0 | 18.31 | 0.51 | 18.82 | <=33.01 | Pass |
| | 1900 | 1 | 0 | 18.25 | 0.51 | 18.76 | <=33.01 | Pass |
| | | | 50 | 18.22 | 0.51 | 18.73 | <=33.01 | Pass |
| | | | 99 | 18.24 | 0.51 | 18.75 | <=33.01 | Pass |
| | | 50 | 0 | 18.23 | 0.51 | 18.74 | <=33.01 | Pass |
| | | | 25 | 18.22 | 0.51 | 18.73 | <=33.01 | Pass |
| | | | 50 | 15.28 | 0.51 | 15.79 | <=33.01 | Pass |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | 100 | 0 | 15.33 | 0.51 | 15.84 | <=33.01 | Pass |
| 16QAM | 1860 | 1 | 0 | 19.62 | 0.51 | 20.13 | <=33.01 | Pass |
| | | | 50 | 19.61 | 0.51 | 20.12 | <=33.01 | Pass |
| | | | 99 | 19.60 | 0.51 | 20.11 | <=33.01 | Pass |
| | | 50 | 0 | 19.58 | 0.51 | 20.09 | <=33.01 | Pass |
| | | | 25 | 19.57 | 0.51 | 20.08 | <=33.01 | Pass |
| | | | 50 | 19.56 | 0.51 | 20.07 | <=33.01 | Pass |
| | | 100 | 0 | 19.68 | 0.51 | 20.19 | <=33.01 | Pass |
| | 1880 | 1 | 0 | 18.31 | 0.51 | 18.82 | <=33.01 | Pass |
| | | | 50 | 18.32 | 0.51 | 18.83 | <=33.01 | Pass |
| | | | 99 | 18.31 | 0.51 | 18.82 | <=33.01 | Pass |
| | | 50 | 0 | 18.31 | 0.51 | 18.82 | <=33.01 | Pass |
| | | | 25 | 18.30 | 0.51 | 18.81 | <=33.01 | Pass |
| | | | 50 | 18.30 | 0.51 | 18.81 | <=33.01 | Pass |
| | | 100 | 0 | 18.30 | 0.51 | 18.81 | <=33.01 | Pass |
| | 1900 | 1 | 0 | 15.35 | 0.51 | 15.86 | <=33.01 | Pass |
| | | | 50 | 15.37 | 0.51 | 15.88 | <=33.01 | Pass |
| | | | 99 | 15.38 | 0.51 | 15.89 | <=33.01 | Pass |
| | | 50 | 0 | 15.39 | 0.51 | 15.90 | <=33.01 | Pass |
| | | | 25 | 15.40 | 0.51 | 15.91 | <=33.01 | Pass |
| | | | 50 | 15.41 | 0.51 | 15.92 | <=33.01 | Pass |
| | | 100 | 0 | 15.41 | 0.51 | 15.92 | <=33.01 | Pass |
| Note1: EIRP=Conducted Power+Antenna Gain | | | | | | | | |

# 2. Frequency Stability

## 2.1 B2_1.4MHz

### 2.1.1 Test Result

| Band: 2 / Bandwidth: 1.4MHz | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) | | Verdict |
| | | Size | Offset | | | | Result | Limit | |
| QPSK | 1850.7 | 6 | 0 | 20 | 3.27 | 5.322 | 0.0029 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 30.870 | 0.0167 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 6.137 | 0.0033 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 35.777 | 0.0193 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 19.040 | 0.0103 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 34.518 | 0.0187 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 46.048 | 0.0249 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 6.022 | 0.0033 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 12.946 | 0.0070 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 15.020 | 0.0081 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 15.750 | 0.0085 | -2.5 to 2.5 | Pass |
| | 1880 | 6 | 0 | 20 | 3.27 | -25.392 | -0.0135 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 7.911 | 0.0042 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 7.095 | 0.0038 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 9.613 | 0.0051 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 12.617 | 0.0067 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 12.875 | 0.0068 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 13.905 | 0.0074 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 13.676 | 0.0073 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 13.490 | 0.0072 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 13.833 | 0.0074 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 13.332 | 0.0071 | -2.5 to 2.5 | Pass |
| | 1909.3 | 6 | 0 | 20 | 3.27 | -51.069 | -0.0267 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -15.464 | -0.0081 | -2.5 to 2.5 | Pass |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | 4.43 | 38.524 | 0.0202 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 35.419 | 0.0186 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 19.069 | 0.0100 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 44.932 | 0.0235 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 12.431 | 0.0065 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 23.460 | 0.0123 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 30.541 | 0.0160 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 35.934 | 0.0188 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 39.067 | 0.0205 | -2.5 to 2.5 | Pass |
| 16QAM | 1850.7 | 6 | 0 | 20 | 3.27 | 15.492 | 0.0084 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 21.629 | 0.0117 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 21.915 | 0.0118 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 20.657 | 0.0112 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 21.772 | 0.0118 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 22.087 | 0.0119 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 21.858 | 0.0118 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 39.568 | 0.0214 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 51.327 | 0.0277 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 45.891 | 0.0248 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 41.928 | 0.0227 | -2.5 to 2.5 | Pass |
| | 1880 | 6 | 0 | 20 | 3.27 | 12.903 | 0.0069 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 40.741 | 0.0217 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 40.798 | 0.0217 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 34.046 | 0.0181 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 28.152 | 0.0150 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 23.589 | 0.0125 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 19.197 | 0.0102 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 15.993 | 0.0085 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 13.661 | 0.0073 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 11.559 | 0.0061 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 8.826 | 0.0047 | -2.5 to 2.5 | Pass |
| | 1909.3 | 6 | 0 | 20 | 3.27 | 36.821 | 0.0193 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 47.522 | 0.0249 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 50.154 | 0.0263 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 50.297 | 0.0263 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 49.424 | 0.0259 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 48.337 | 0.0253 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 48.037 | 0.0252 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 46.449 | 0.0243 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 17.309 | 0.0091 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 34.418 | 0.0180 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 29.197 | 0.0153 | -2.5 to 2.5 | Pass |

## 2.2 B2_3MHz

### 2.2.1 Test Result

| Band: 2 / Bandwidth: 3MHz | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) | | Verdict |
| | | Size | Offset | | | | Result | Limit | |
| QPSK | 1851.5 | 15 | 0 | 20 | 3.27 | 16.108 | 0.0087 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 18.311 | 0.0099 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 36.335 | 0.0196 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -11.129 | -0.0060 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 0.243 | 0.0001 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 7.839 | 0.0042 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 13.418 | 0.0072 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 17.595 | 0.0095 | -2.5 to 2.5 | Pass |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | 30 | 3.85 | 20.270 | 0.0109 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 23.246 | 0.0126 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 24.190 | 0.0131 | -2.5 to 2.5 | Pass |
| | 1880 | 15 | 0 | 20 | 3.27 | -9.141 | -0.0049 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -22.345 | -0.0119 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -21.186 | -0.0113 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -16.751 | -0.0089 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -12.345 | -0.0066 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -9.685 | -0.0052 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -7.839 | -0.0042 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 13.919 | 0.0074 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 18.682 | 0.0099 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 13.790 | 0.0073 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 8.526 | 0.0045 | -2.5 to 2.5 | Pass |
| | 1908.5 | 15 | 0 | 20 | 3.27 | 1.903 | 0.0010 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -6.409 | -0.0034 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -7.038 | -0.0037 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -5.407 | -0.0028 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -4.034 | -0.0021 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -2.933 | -0.0015 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -1.659 | -0.0009 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -1.903 | -0.0010 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -1.431 | -0.0007 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -23.189 | -0.0122 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -9.441 | -0.0049 | -2.5 to 2.5 | Pass |
| 16QAM | 1851.5 | 15 | 0 | 20 | 3.27 | 25.077 | 0.0135 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 31.986 | 0.0173 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 15.035 | 0.0081 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 22.502 | 0.0122 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 16.522 | 0.0089 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 11.101 | 0.0060 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 7.124 | 0.0038 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 3.004 | 0.0016 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 0.043 | 0.0000 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -2.203 | -0.0012 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -4.005 | -0.0022 | -2.5 to 2.5 | Pass |
| | 1880 | 15 | 0 | 20 | 3.27 | 3.262 | 0.0017 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 2.303 | 0.0012 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -1.216 | -0.0006 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -4.234 | -0.0023 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -7.138 | -0.0038 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -8.426 | -0.0045 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -10.414 | -0.0055 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -11.959 | -0.0064 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -13.804 | -0.0073 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -14.305 | -0.0076 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -14.648 | -0.0078 | -2.5 to 2.5 | Pass |
| | 1908.5 | 15 | 0 | 20 | 3.27 | 2.089 | 0.0011 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 19.698 | 0.0103 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 26.665 | 0.0140 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 29.883 | 0.0157 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 31.972 | 0.0168 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 33.045 | 0.0173 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 40.512 | 0.0212 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 37.837 | 0.0198 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 35.319 | 0.0185 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 25.849 | 0.0135 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 19.140 | 0.0100 | -2.5 to 2.5 | Pass |

## 2.3 B2_5MHz

### 2.3.1 Test Result

| Band: 2 / Bandwidth: 5MHz | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) | | Verdict |
| | | Size | Offset | | | | Result | Limit | |
| QPSK | 1852.5 | 25 | 0 | 20 | 3.27 | 21.658 | 0.0117 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 22.144 | 0.0120 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 34.432 | 0.0186 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 46.234 | 0.0250 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -5.879 | -0.0032 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 1.860 | 0.0010 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 8.469 | 0.0046 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 12.102 | 0.0065 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 15.678 | 0.0085 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 18.153 | 0.0098 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 21.000 | 0.0113 | -2.5 to 2.5 | Pass |
| | 1880 | 25 | 0 | 20 | 3.27 | 27.523 | 0.0146 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 25.320 | 0.0135 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 16.880 | 0.0090 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 9.270 | 0.0049 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 3.362 | 0.0018 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -1.330 | -0.0007 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -4.821 | -0.0026 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -7.052 | -0.0038 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -9.041 | -0.0048 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -12.374 | -0.0066 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -13.576 | -0.0072 | -2.5 to 2.5 | Pass |
| | 1907.5 | 25 | 0 | 20 | 3.27 | -11.730 | -0.0061 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -14.048 | -0.0074 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -13.318 | -0.0070 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -12.002 | -0.0063 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -10.614 | -0.0056 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -21.315 | -0.0112 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 7.310 | 0.0038 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 12.689 | 0.0067 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 23.303 | 0.0122 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 33.216 | 0.0174 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 40.941 | 0.0215 | -2.5 to 2.5 | Pass |
| 16QAM | 1852.5 | 25 | 0 | 20 | 3.27 | 23.704 | 0.0128 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 25.091 | 0.0135 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 26.851 | 0.0145 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 28.324 | 0.0153 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 29.469 | 0.0159 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 29.683 | 0.0160 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 31.614 | 0.0171 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 31.915 | 0.0172 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 31.815 | 0.0172 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 31.757 | 0.0171 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 32.287 | 0.0174 | -2.5 to 2.5 | Pass |
| | 1880 | 25 | 0 | 20 | 3.27 | -15.049 | -0.0080 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -17.037 | -0.0091 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -18.611 | -0.0099 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -19.412 | -0.0103 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -19.269 | -0.0102 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -23.961 | -0.0127 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -23.446 | -0.0125 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -23.575 | -0.0125 | -2.5 to 2.5 | Pass |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | 30 | 3.85 | -22.788 | -0.0121 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -21.930 | -0.0117 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -22.273 | -0.0118 | -2.5 to 2.5 | Pass |
| | 1907.5 | 25 | 0 | 20 | 3.27 | 46.964 | 0.0246 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 51.284 | 0.0269 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 39.067 | 0.0205 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 12.159 | 0.0064 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 12.131 | 0.0064 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 9.284 | 0.0049 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 6.437 | 0.0034 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 4.535 | 0.0024 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 3.591 | 0.0019 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 4.520 | 0.0024 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 4.735 | 0.0025 | -2.5 to 2.5 | Pass |

## 2.4 B2_10MHz

### 2.4.1 Test Result

| Band: 2 / Bandwidth: 10MHz | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) | | Verdict |
| | | Size | Offset | | | | Result | Limit | |
| QPSK | 1855 | 50 | 0 | 20 | 3.27 | -19.698 | -0.0106 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -49.810 | -0.0269 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -50.354 | -0.0271 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -47.622 | -0.0257 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -44.217 | -0.0238 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -19.856 | -0.0107 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -24.433 | -0.0132 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -34.890 | -0.0188 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -42.958 | -0.0232 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -49.510 | -0.0267 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -32.201 | -0.0174 | -2.5 to 2.5 | Pass |
| | 1880 | 50 | 0 | 20 | 3.27 | -12.460 | -0.0066 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -13.990 | -0.0074 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -14.863 | -0.0079 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -14.935 | -0.0079 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -14.491 | -0.0077 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -14.992 | -0.0080 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -15.106 | -0.0080 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -15.421 | -0.0082 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -16.365 | -0.0087 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -15.836 | -0.0084 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -16.651 | -0.0089 | -2.5 to 2.5 | Pass |
| | 1905 | 50 | 0 | 20 | 3.27 | -19.383 | -0.0102 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -20.127 | -0.0106 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -17.881 | -0.0094 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -37.522 | -0.0197 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 7.367 | 0.0039 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 20.914 | 0.0110 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 33.259 | 0.0175 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 42.973 | 0.0226 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -10.400 | -0.0055 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -2.818 | -0.0015 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 17.781 | 0.0093 | -2.5 to 2.5 | Pass |
| 16QAM | 1855 | 50 | 0 | 20 | 3.27 | -19.455 | -0.0105 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -22.073 | -0.0119 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -24.333 | -0.0131 | -2.5 to 2.5 | Pass |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | -30 | 3.85 | -29.039 | -0.0157 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -30.785 | -0.0166 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -32.458 | -0.0175 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -31.514 | -0.0170 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -31.843 | -0.0172 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -34.304 | -0.0185 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -36.006 | -0.0194 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -37.565 | -0.0203 | -2.5 to 2.5 | Pass |
| | 1880 | 50 | 0 | 20 | 3.27 | -16.451 | -0.0088 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -15.507 | -0.0082 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -15.936 | -0.0085 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -16.351 | -0.0087 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -16.809 | -0.0089 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -17.223 | -0.0092 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -17.738 | -0.0094 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -17.881 | -0.0095 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -19.798 | -0.0105 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -20.843 | -0.0111 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -20.227 | -0.0108 | -2.5 to 2.5 | Pass |
| | 1905 | 50 | 0 | 20 | 3.27 | 21.014 | 0.0110 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 13.375 | 0.0070 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -3.505 | -0.0018 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -12.259 | -0.0064 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -18.854 | -0.0099 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -24.118 | -0.0127 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -27.652 | -0.0145 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -29.812 | -0.0156 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -32.530 | -0.0171 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -34.060 | -0.0179 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -35.391 | -0.0186 | -2.5 to 2.5 | Pass |

## 2.5 B2_15MHz

### 2.5.1 Test Result

| Band: 2 / Bandwidth: 15MHz | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) | | Verdict |
| | | Size | Offset | | | | Result | Limit | |
| QPSK | 1857.5 | 75 | 0 | 20 | 3.27 | 2.561 | 0.0014 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 19.097 | 0.0103 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 31.629 | 0.0170 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 39.840 | 0.0214 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 45.519 | 0.0245 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 12.302 | 0.0066 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 14.634 | 0.0079 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 17.037 | 0.0092 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 1.831 | 0.0010 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -2.031 | -0.0011 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 5.336 | 0.0029 | -2.5 to 2.5 | Pass |
| | 1880 | 75 | 0 | 20 | 3.27 | -13.533 | -0.0072 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -19.541 | -0.0104 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -23.074 | -0.0123 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -26.236 | -0.0140 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -28.725 | -0.0153 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -30.484 | -0.0162 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -32.358 | -0.0172 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -33.474 | -0.0178 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -34.146 | -0.0182 | -2.5 to 2.5 | Pass |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | 40 | 3.85 | -36.063 | -0.0192 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -36.435 | -0.0194 | -2.5 to 2.5 | Pass |
| | 1902.5 | 75 | 0 | 20 | 3.27 | -1.631 | -0.0009 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -3.304 | -0.0017 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -2.117 | -0.0011 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -0.315 | -0.0002 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 1.030 | 0.0005 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 1.760 | 0.0009 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 2.203 | 0.0012 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 1.860 | 0.0010 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 1.101 | 0.0006 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 0.415 | 0.0002 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 1.001 | 0.0005 | -2.5 to 2.5 | Pass |
| 16QAM | 1857.5 | 75 | 0 | 20 | 3.27 | 10.486 | 0.0056 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 15.435 | 0.0083 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 19.083 | 0.0103 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 22.359 | 0.0120 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 24.419 | 0.0131 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 26.951 | 0.0145 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 29.068 | 0.0156 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 30.928 | 0.0167 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 32.244 | 0.0174 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 24.447 | 0.0132 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 13.003 | 0.0070 | -2.5 to 2.5 | Pass |
| | 1880 | 75 | 0 | 20 | 3.27 | -37.365 | -0.0199 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -38.638 | -0.0206 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -38.624 | -0.0205 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -39.024 | -0.0208 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -39.754 | -0.0211 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -40.255 | -0.0214 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -40.555 | -0.0216 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -41.099 | -0.0219 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -41.513 | -0.0221 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -41.485 | -0.0221 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -41.399 | -0.0220 | -2.5 to 2.5 | Pass |
| | 1902.5 | 75 | 0 | 20 | 3.27 | -24.590 | -0.0129 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -26.865 | -0.0141 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -15.521 | -0.0082 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -6.294 | -0.0033 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 0.830 | 0.0004 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 5.364 | 0.0028 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 10.257 | 0.0054 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 13.661 | 0.0072 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 17.323 | 0.0091 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 20.585 | 0.0108 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 23.003 | 0.0121 | -2.5 to 2.5 | Pass |

## 2.6 B2_20MHz

### 2.6.1 Test Result

| Band: 2 / Bandwidth: 20MHz | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) | | Verdict |
| | | Size | Offset | | | | Result | Limit | |
| QPSK | 1860 | 100 | 0 | 20 | 3.27 | -19.956 | -0.0107 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -34.232 | -0.0184 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -2.747 | -0.0015 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 1.330 | 0.0007 | -2.5 to 2.5 | Pass |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | -20 | 3.85 | -2.847 | -0.0015 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -5.093 | -0.0027 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -7.353 | -0.0040 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -9.041 | -0.0049 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -10.629 | -0.0057 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -11.659 | -0.0063 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -12.817 | -0.0069 | -2.5 to 2.5 | Pass |
| | 1880 | 100 | 0 | 20 | 3.27 | -13.161 | -0.0070 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -11.930 | -0.0063 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -10.014 | -0.0053 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -8.855 | -0.0047 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -8.626 | -0.0046 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -8.912 | -0.0047 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -8.683 | -0.0046 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -8.211 | -0.0044 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -9.742 | -0.0052 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -8.612 | -0.0046 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -8.683 | -0.0046 | -2.5 to 2.5 | Pass |
| | 1900 | 100 | 0 | 20 | 3.27 | 2.103 | 0.0011 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -1.516 | -0.0008 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 0.873 | 0.0005 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 1.731 | 0.0009 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 2.217 | 0.0012 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 3.777 | 0.0020 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 4.492 | 0.0024 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 4.334 | 0.0023 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 4.563 | 0.0024 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 5.307 | 0.0028 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 5.751 | 0.0030 | -2.5 to 2.5 | Pass |
| 16QAM | 1860 | 100 | 0 | 20 | 3.27 | -12.789 | -0.0069 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -12.903 | -0.0069 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -14.348 | -0.0077 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -16.050 | -0.0086 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -16.708 | -0.0090 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -17.366 | -0.0093 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -18.539 | -0.0100 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -18.482 | -0.0099 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -19.369 | -0.0104 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -19.298 | -0.0104 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -19.898 | -0.0107 | -2.5 to 2.5 | Pass |
| | 1880 | 100 | 0 | 20 | 3.27 | -7.668 | -0.0041 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -7.496 | -0.0040 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -8.540 | -0.0045 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -9.112 | -0.0048 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -10.185 | -0.0054 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -10.271 | -0.0055 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -13.089 | -0.0070 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -14.076 | -0.0075 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -11.702 | -0.0062 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -10.729 | -0.0057 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -10.400 | -0.0055 | -2.5 to 2.5 | Pass |
| | 1900 | 100 | 0 | 20 | 3.27 | 8.326 | 0.0044 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 7.753 | 0.0041 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 6.280 | 0.0033 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 5.150 | 0.0027 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 9.141 | 0.0048 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 7.010 | 0.0037 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 4.821 | 0.0025 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 3.161 | 0.0017 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 1.588 | 0.0008 | -2.5 to 2.5 | Pass |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | 40 | 3.85 | 0.687 | 0.0004 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 0.658 | 0.0003 | -2.5 to 2.5 | Pass |

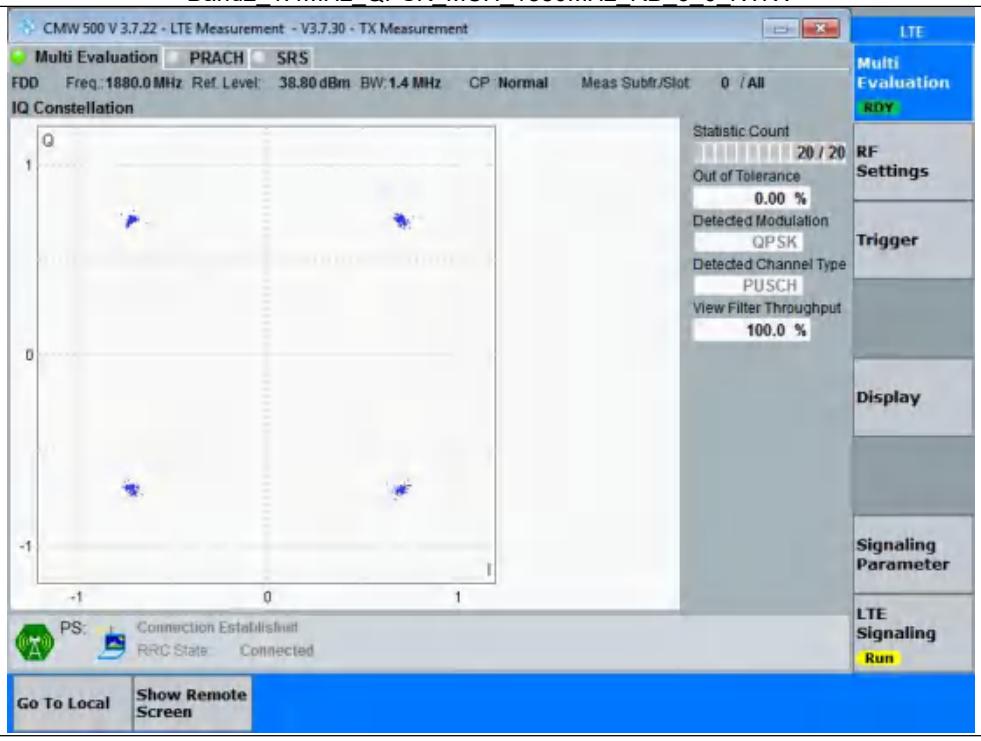
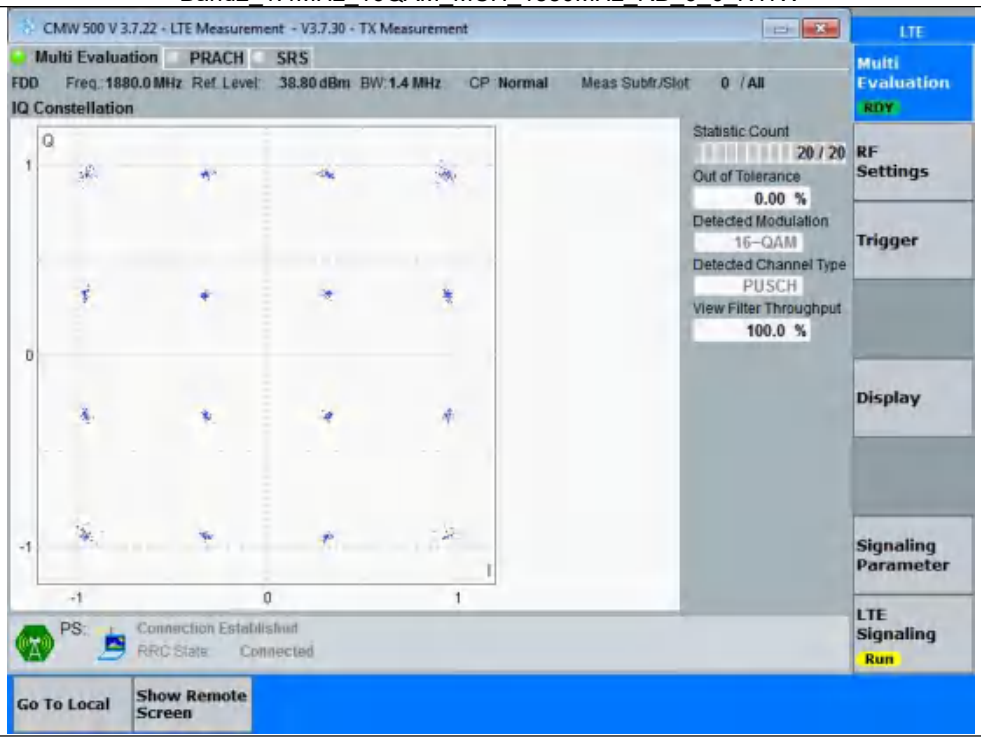
# 3. Modulation Characteristics

## 3.1 B2_1.4MHz

### 3.1.1 Test Result

| Band: 2 / Bandwidth: 1.4MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Modulation Characteristics | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 1880 | 6 | 0 | Refer To Test Graph | | Pass |
| 16QAM | 1880 | 6 | 0 | Refer To Test Graph | | Pass |

### 3.1.2 Test Graph

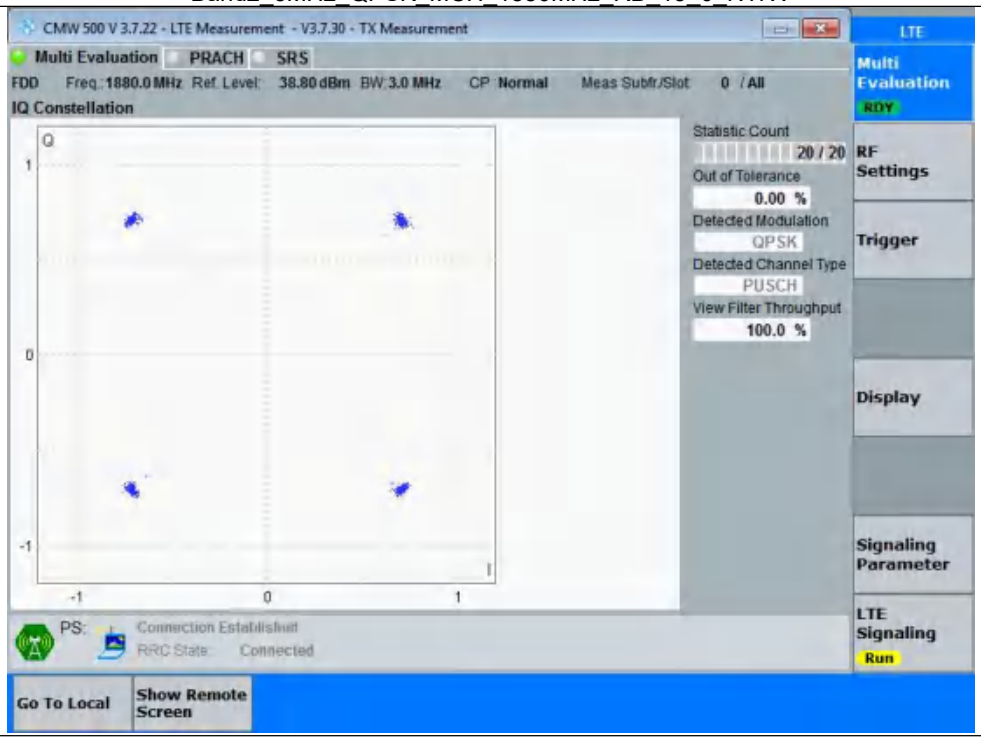
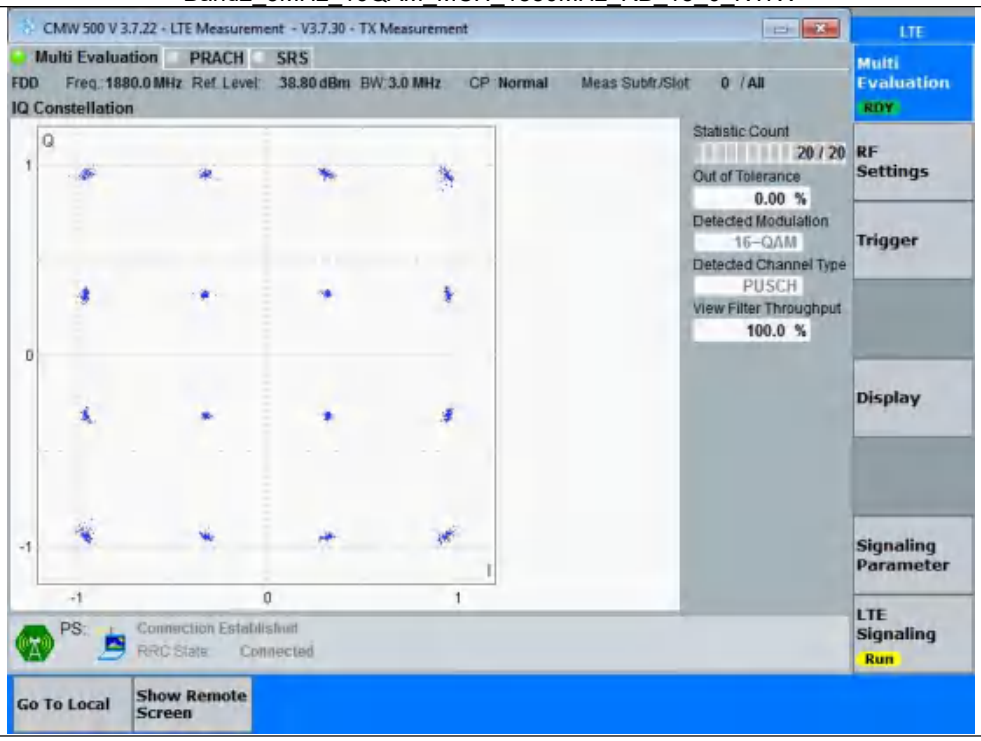
| Band2_1.4MHz_QPSK_MCH_1880MHz_RB_6_0_NTNV |
| --- |
|  |
| Band2_1.4MHz_16QAM_MCH_1880MHz_RB_6_0_NTNV |
|  |

## 3.2 B2_3MHz

### 3.2.1 Test Result

| Band: 2 / Bandwidth: 3MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Modulation Characteristics | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 1880 | 15 | 0 | Refer To Test Graph | | Pass |
| 16QAM | 1880 | 15 | 0 | Refer To Test Graph | | Pass |

### 3.2.2 Test Graph

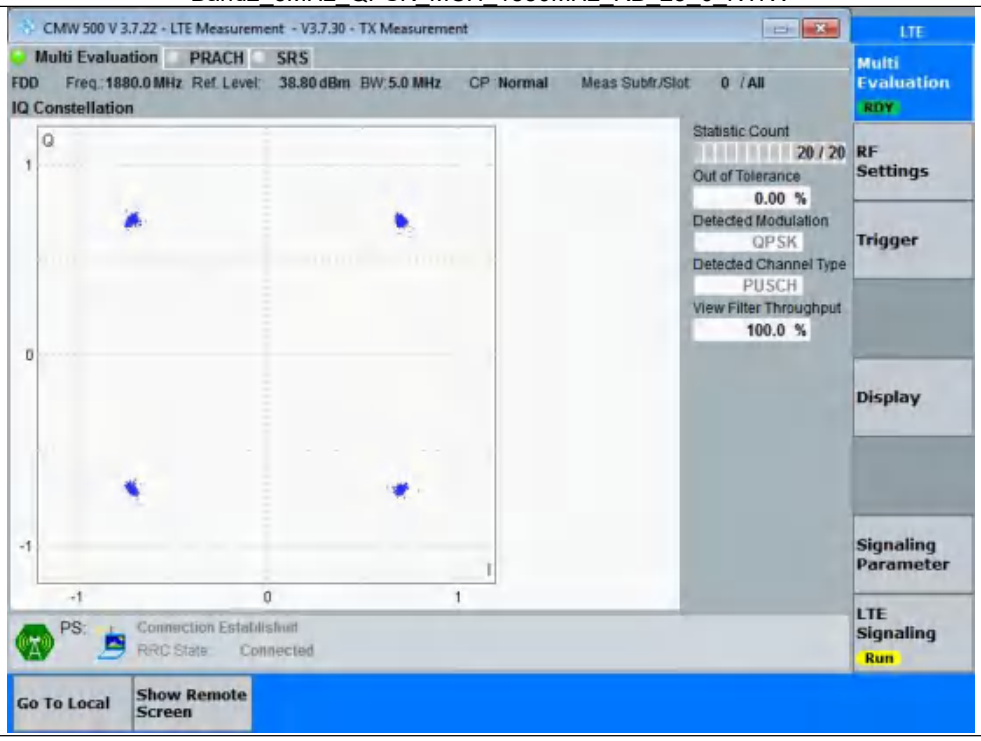
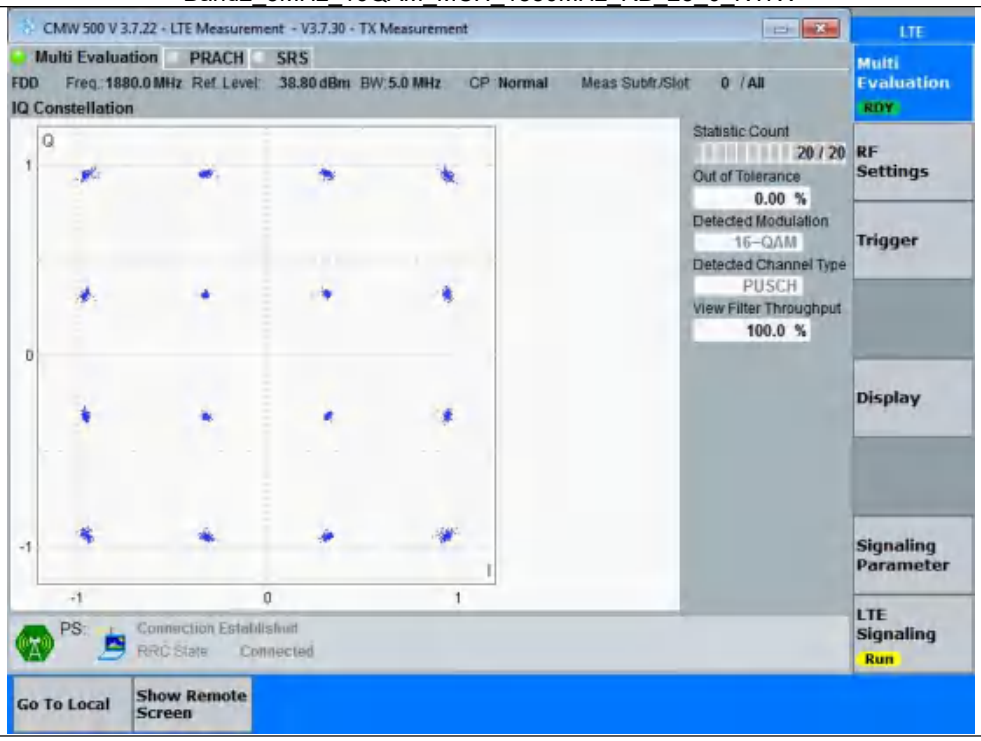
| Band2_3MHz_QPSK_MCH_1880MHz_RB_15_0_NTNV |
| --- |
|  |
| Band2_3MHz_16QAM_MCH_1880MHz_RB_15_0_NTNV |
|  |

## 3.3 B2_5MHz

### 3.3.1 Test Result

| Band: 2 / Bandwidth: 5MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Modulation Characteristics | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 1880 | 25 | 0 | Refer To Test Graph | | Pass |
| 16QAM | 1880 | 25 | 0 | Refer To Test Graph | | Pass |

### 3.3.2 Test Graph

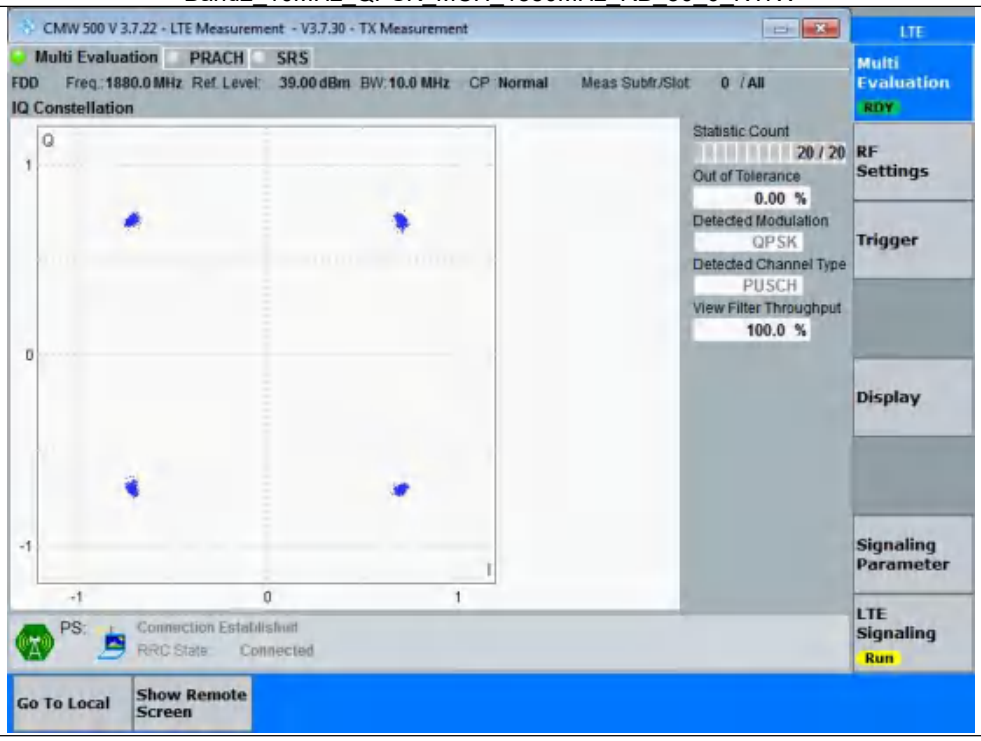
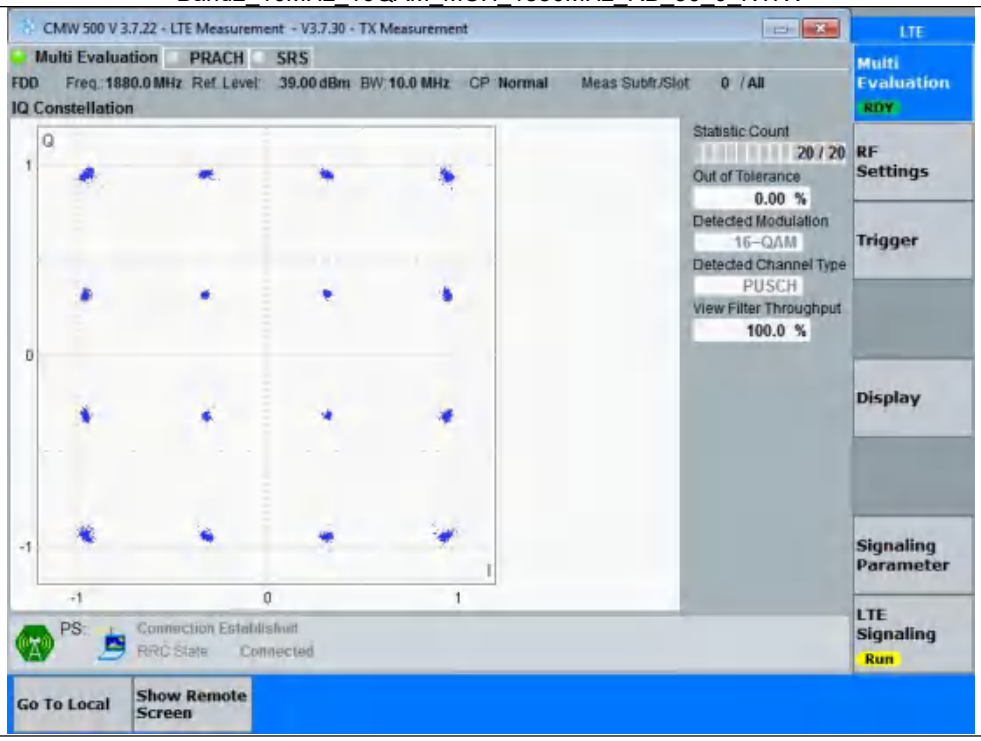
| Band2_5MHz_QPSK_MCH_1880MHz_RB_25_0_NTNV |
| --- |
|  |
| Band2_5MHz_16QAM_MCH_1880MHz_RB_25_0_NTNV |
|  |

## 3.4 B2_10MHz

### 3.4.1 Test Result

| Band: 2 / Bandwidth: 10MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Modulation Characteristics | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 1880 | 50 | 0 | Refer To Test Graph | | Pass |
| 16QAM | 1880 | 50 | 0 | Refer To Test Graph | | Pass |

### 3.4.2 Test Graph

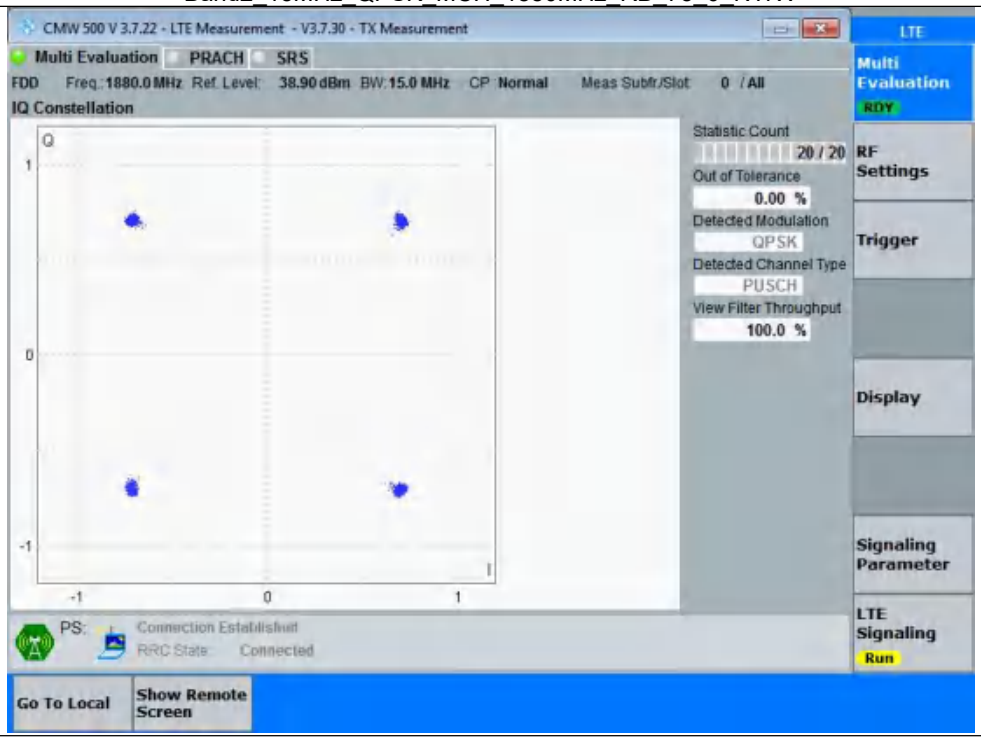
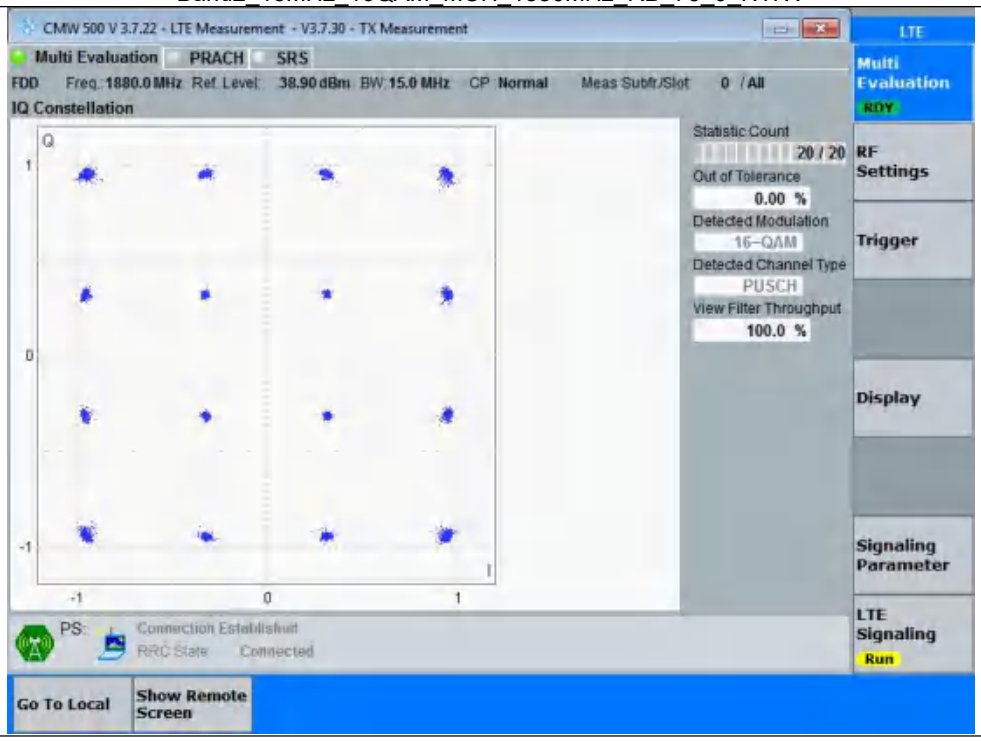
| Band2_10MHz_QPSK_MCH_1880MHz_RB_50_0_NTNV |
| --- |
|  |
| Band2_10MHz_16QAM_MCH_1880MHz_RB_50_0_NTNV |
|  |

## 3.5 B2_15MHz

### 3.5.1 Test Result

| Band: 2 / Bandwidth: 15MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Modulation Characteristics | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 1880 | 75 | 0 | Refer To Test Graph | | Pass |
| 16QAM | 1880 | 75 | 0 | Refer To Test Graph | | Pass |

### 3.5.2 Test Graph

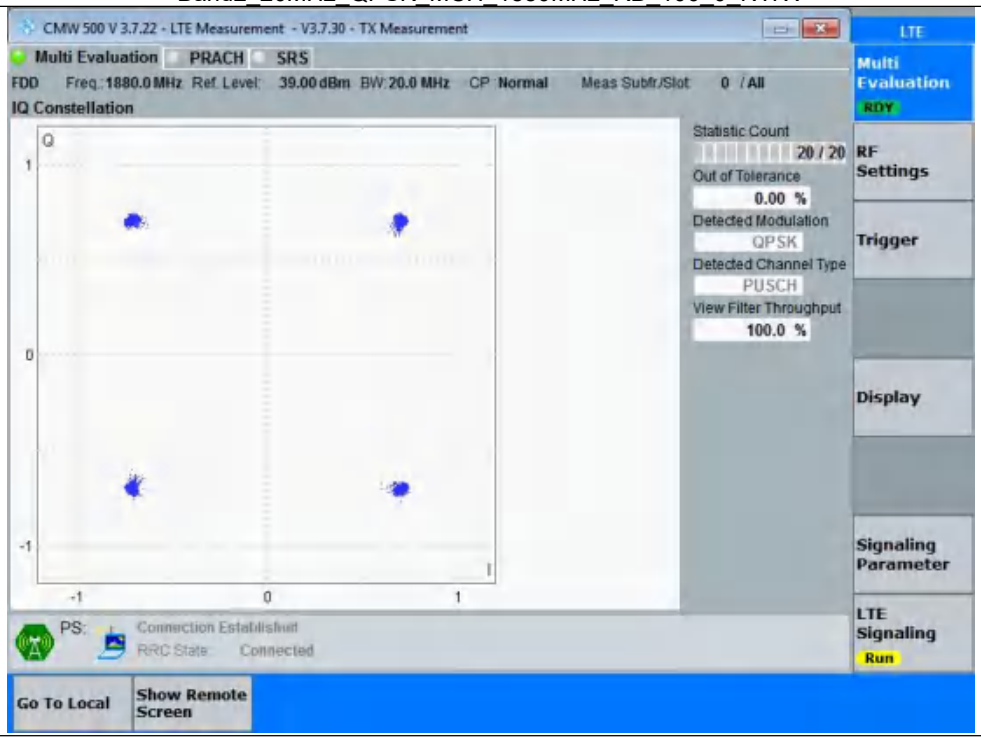
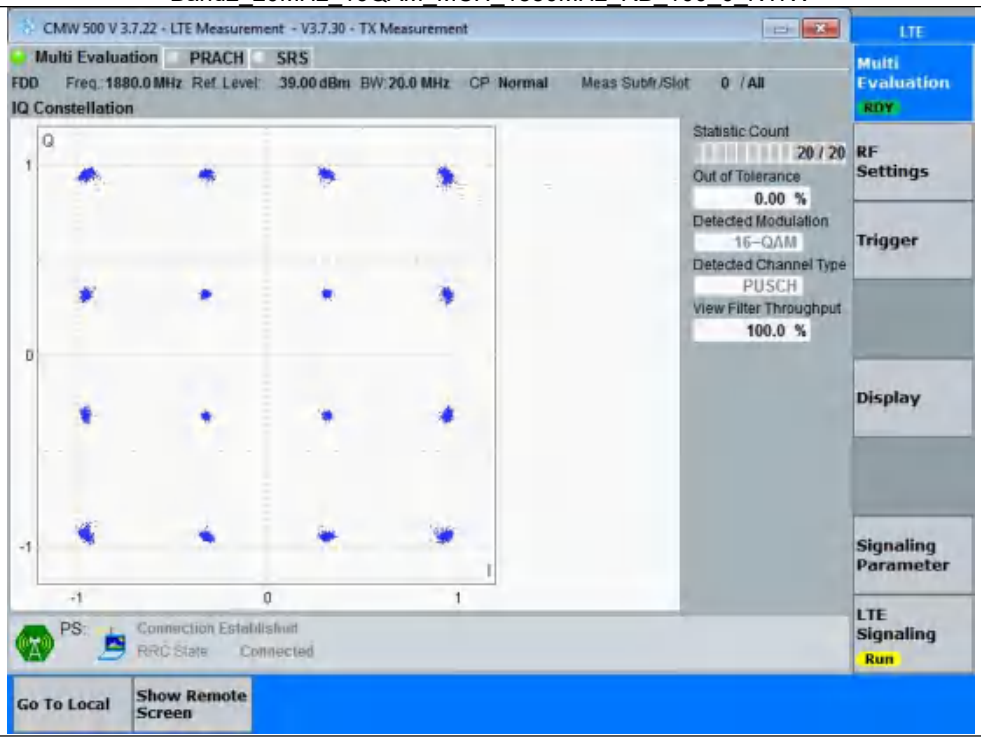
| Band2_15MHz_QPSK_MCH_1880MHz_RB_75_0_NTNV |
| --- |
|  |
| Band2_15MHz_16QAM_MCH_1880MHz_RB_75_0_NTNV |
|  |

## 3.6 B2_20MHz

### 3.6.1 Test Result

| Band: 2 / Bandwidth: 20MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Modulation Characteristics | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 1880 | 100 | 0 | Refer To Test Graph | | Pass |
| 16QAM | 1880 | 100 | 0 | Refer To Test Graph | | Pass |

### 3.6.2 Test Graph

| Band2_20MHz_QPSK_MCH_1880MHz_RB_100_0_NTNV |
| --- |
|  |
| Band2_20MHz_16QAM_MCH_1880MHz_RB_100_0_NTNV |
|  |

# 4. 99% & 26dB Bandwidth

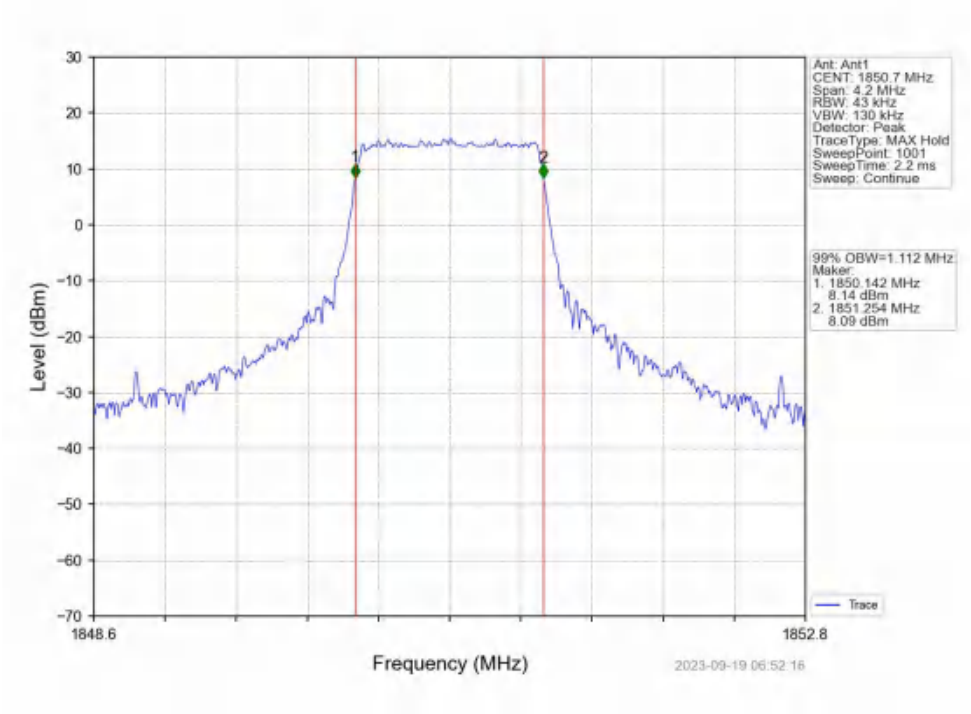
## 4.1 Band2_OBW

### 4.1.1 Test Result

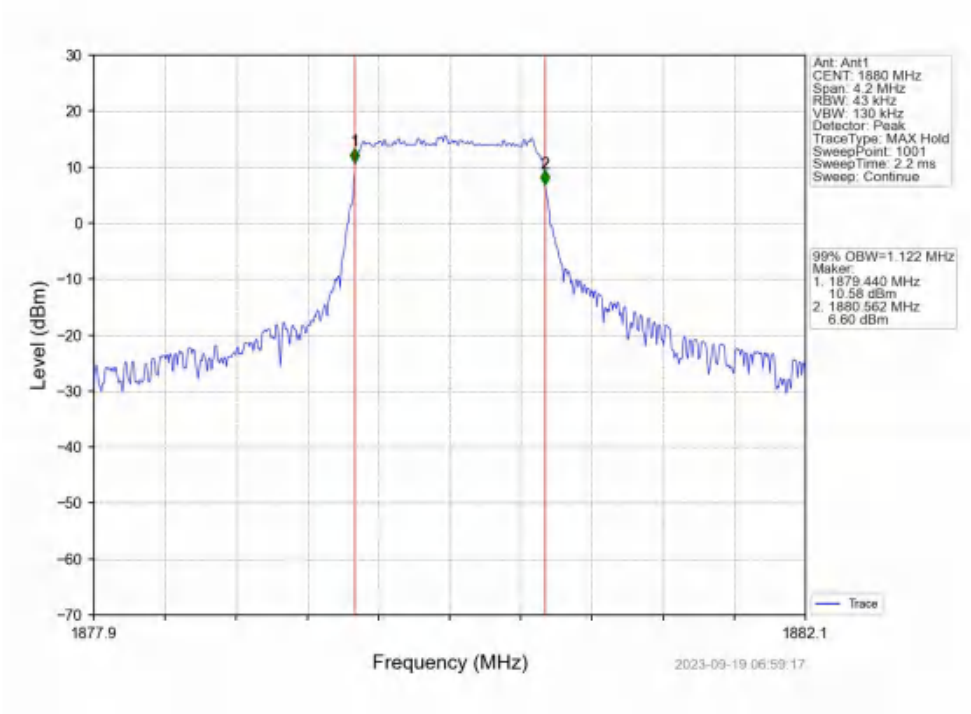
| Band: 2 / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation | | 99% Occupied Bandwidth (MHz) | Verdict |
| | | | Size | Offset | Result | |
| 1.4 | QPSK | 1850.7 | 6 | 0 | 1.112 | Pass |
| | | 1880 | 6 | 0 | 1.122 | Pass |
| | | 1909.3 | 6 | 0 | 1.110 | Pass |
| | 16QAM | 1850.7 | 6 | 0 | 1.118 | Pass |
| | | 1880 | 6 | 0 | 1.128 | Pass |
| | | 1909.3 | 6 | 0 | 1.117 | Pass |
| 3 | QPSK | 1851.5 | 15 | 0 | 2.772 | Pass |
| | | 1880 | 15 | 0 | 2.765 | Pass |
| | | 1908.5 | 15 | 0 | 2.779 | Pass |
| | 16QAM | 1851.5 | 15 | 0 | 2.785 | Pass |
| | | 1880 | 15 | 0 | 2.775 | Pass |
| | | 1908.5 | 15 | 0 | 2.786 | Pass |
| 5 | QPSK | 1852.5 | 25 | 0 | 4.566 | Pass |
| | | 1880 | 25 | 0 | 4.572 | Pass |
| | | 1907.5 | 25 | 0 | 4.572 | Pass |
| | 16QAM | 1852.5 | 25 | 0 | 4.573 | Pass |
| | | 1880 | 25 | 0 | 4.600 | Pass |
| | | 1907.5 | 25 | 0 | 4.597 | Pass |
| 10 | QPSK | 1855 | 50 | 0 | 9.077 | Pass |
| | | 1880 | 50 | 0 | 9.071 | Pass |
| | | 1905 | 50 | 0 | 9.083 | Pass |
| | 16QAM | 1855 | 50 | 0 | 9.069 | Pass |
| | | 1880 | 50 | 0 | 9.051 | Pass |
| | | 1905 | 50 | 0 | 9.059 | Pass |
| 15 | QPSK | 1857.5 | 75 | 0 | 13.642 | Pass |
| | | 1880 | 75 | 0 | 13.563 | Pass |
| | | 1902.5 | 75 | 0 | 13.624 | Pass |
| | 16QAM | 1857.5 | 75 | 0 | 13.649 | Pass |
| | | 1880 | 75 | 0 | 13.586 | Pass |
| | | 1902.5 | 75 | 0 | 13.559 | Pass |
| 20 | QPSK | 1860 | 100 | 0 | 18.164 | Pass |
| | | 1880 | 100 | 0 | 18.173 | Pass |
| | | 1900 | 100 | 0 | 18.121 | Pass |
| | 16QAM | 1860 | 100 | 0 | 18.188 | Pass |
| | | 1880 | 100 | 0 | 18.185 | Pass |
| | | 1900 | 100 | 0 | 18.130 | Pass |

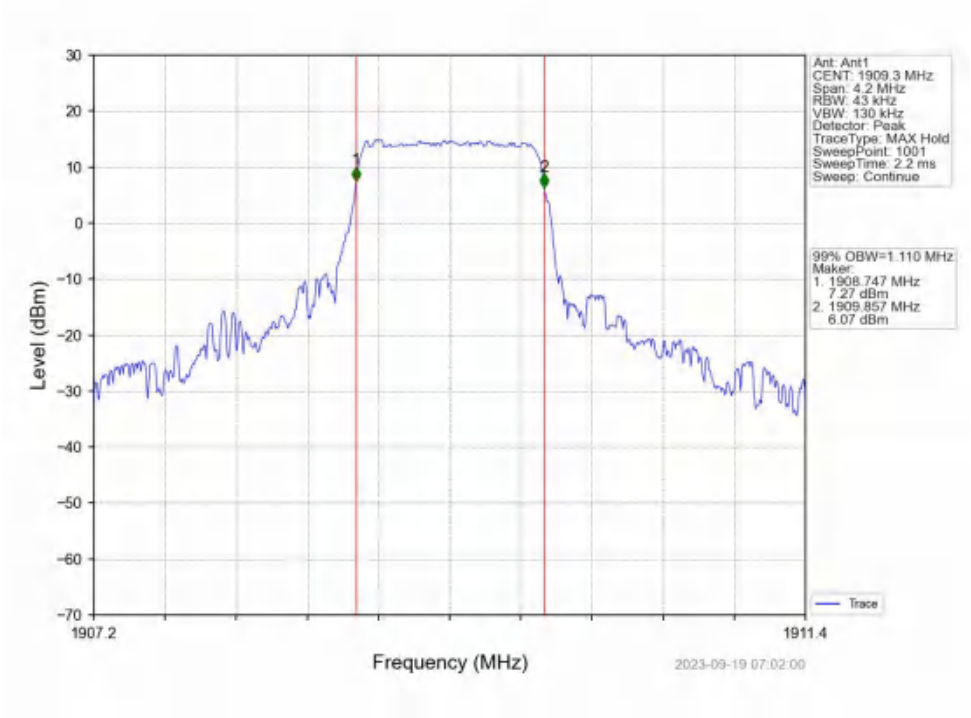
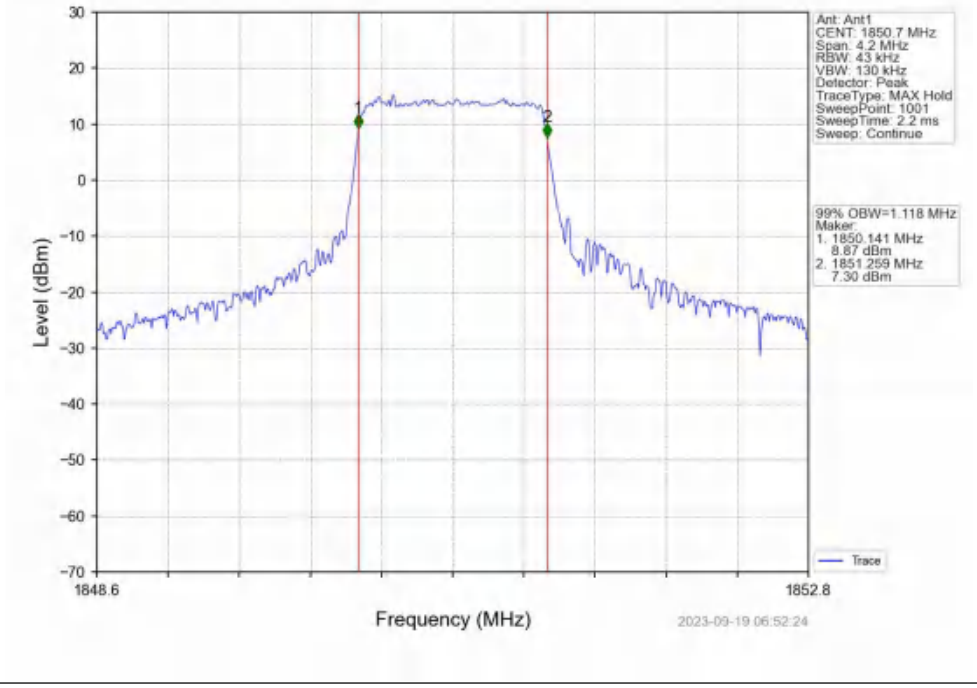
## 4.1.2 Test Graph

Band2_1.4MHz_QPSK_LCH_1850.7MHz_RB_6_0_NTNV

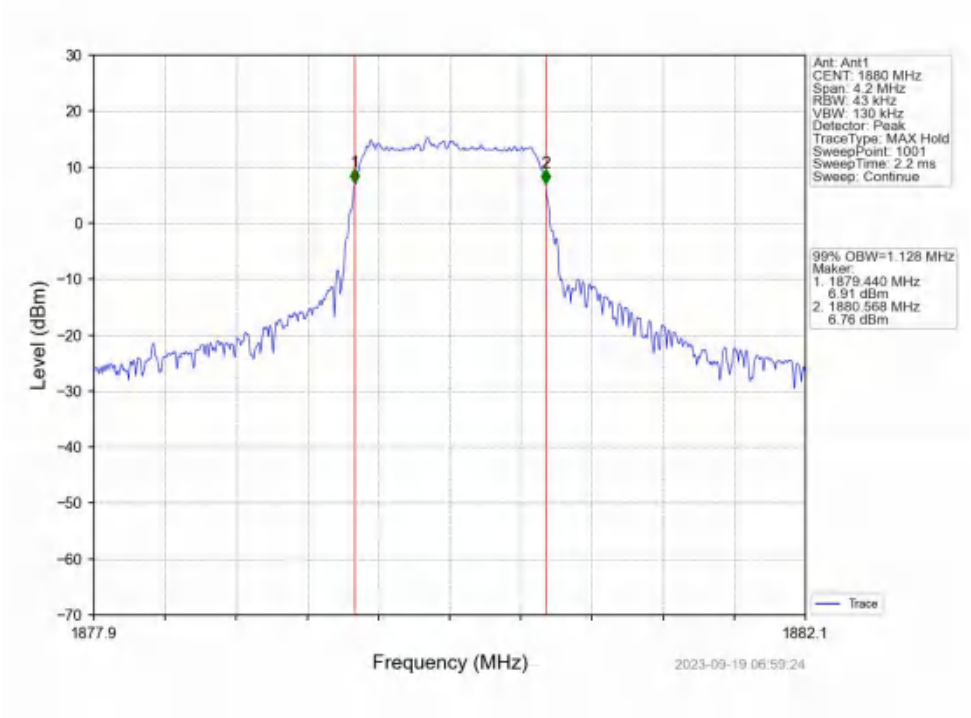



Band2_1.4MHz_QPSK_MCH_1880MHz_RB_6_0_NTNV

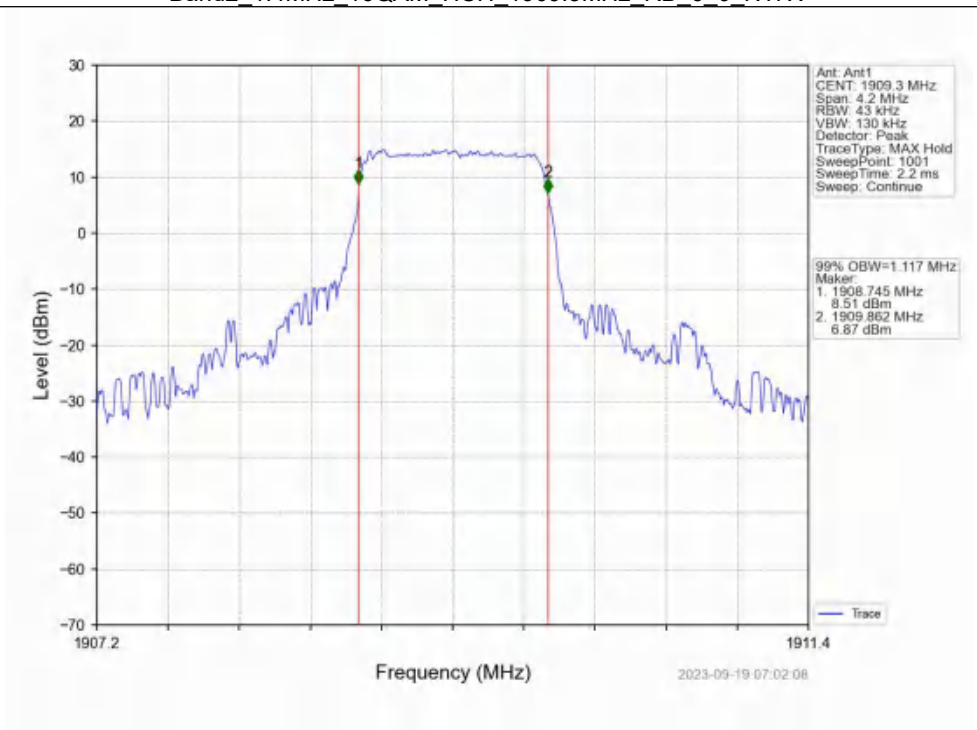


| Band2_1.4MHz_QPSK_HCH_1909.3MHz_RB_6_0_NTNV |
| --- |
|  |
| Band2_1.4MHz_16QAM_LCH_1850.7MHz_RB_6_0_NTNV |
|  |

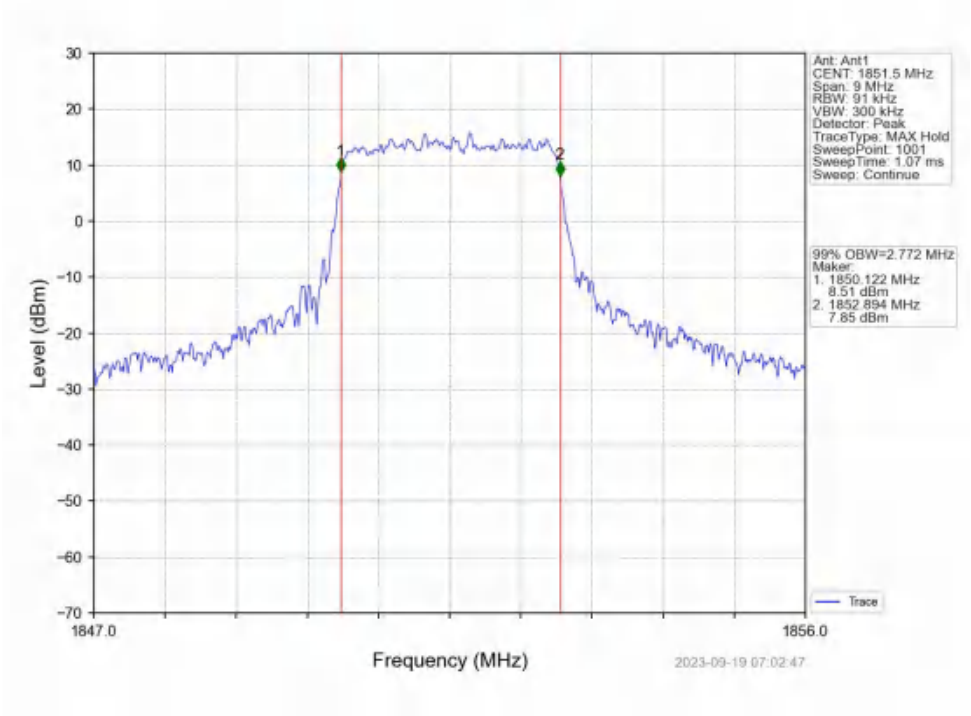
Band2_1.4MHz_16QAM_MCH_1880MHz_RB_6_0_NTNV



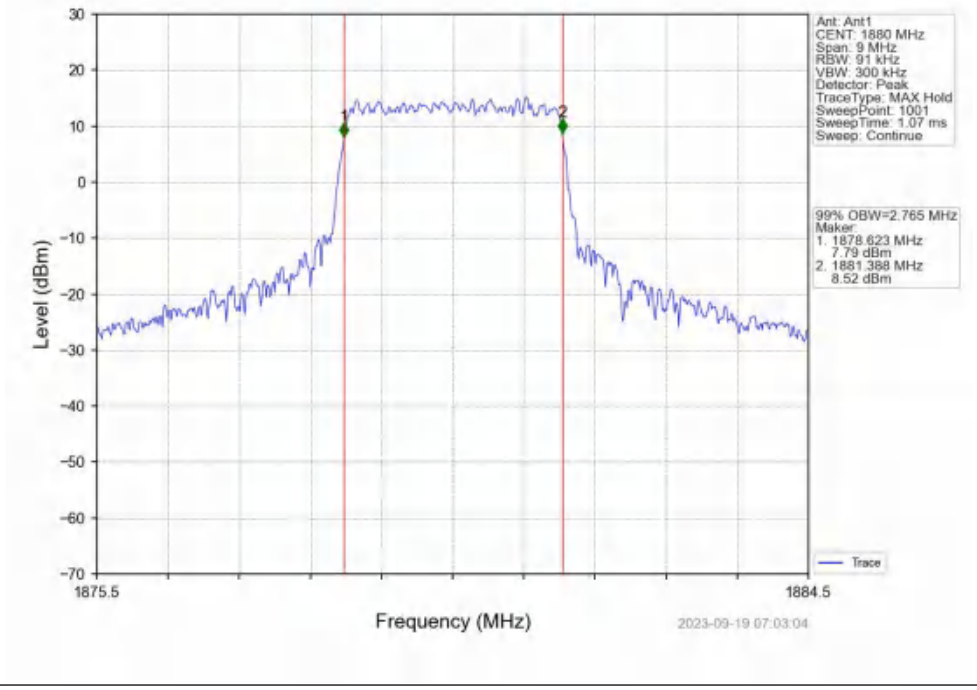

Band2_1.4MHz_16QAM_HCH_1909.3MHz_RB_6_0_NTNV



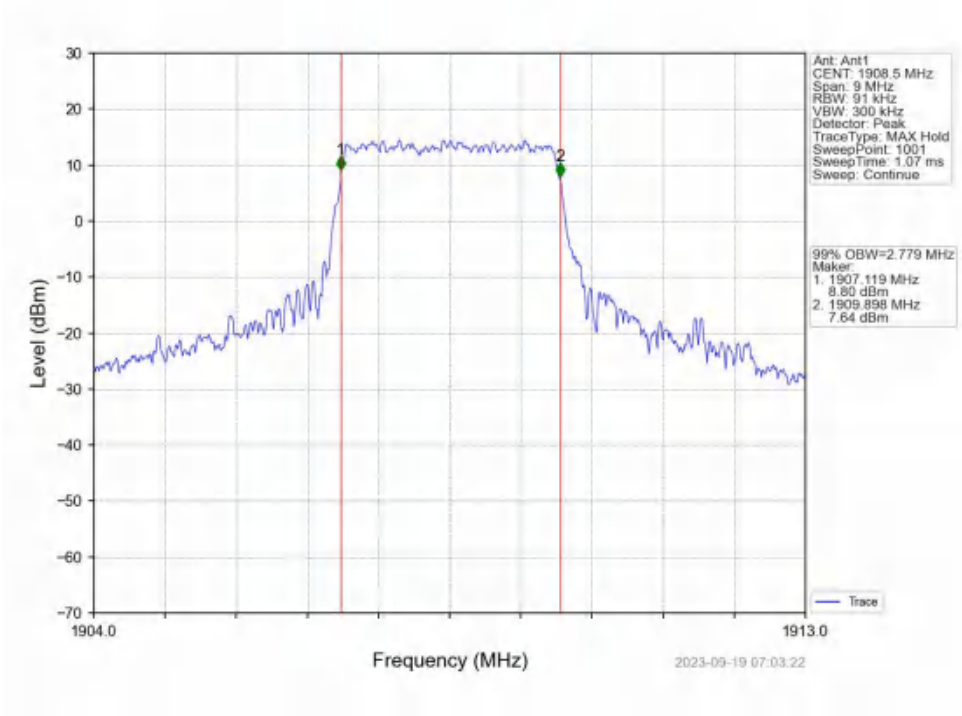
Band2_3MHz_QPSK_LCH_1851.5MHz_RB_15_0_NTNV



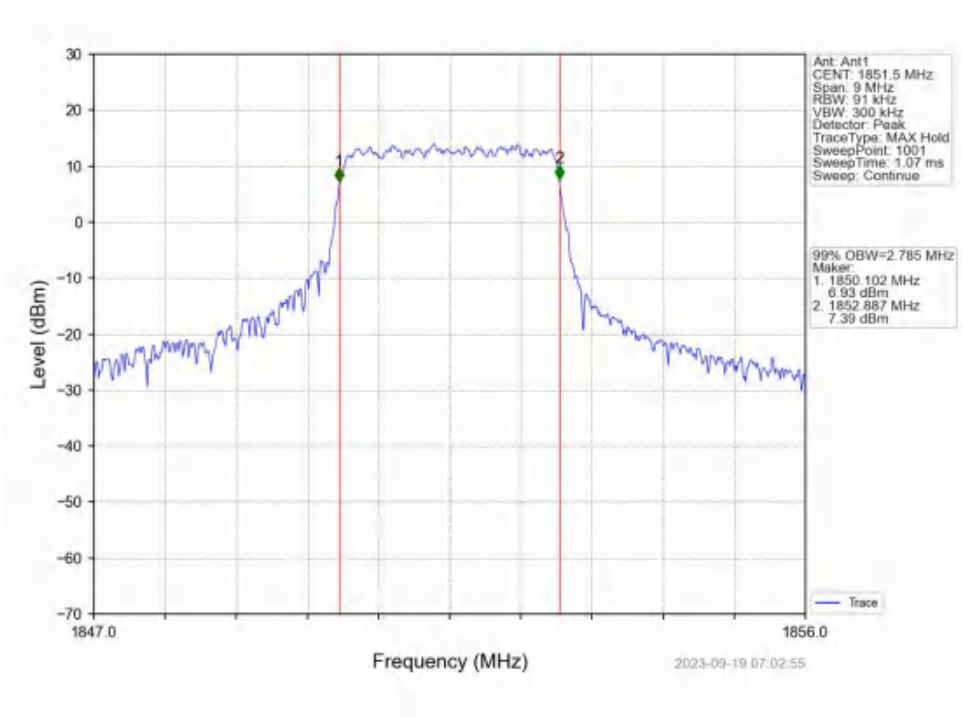

Band2_3MHz_QPSK_MCH_1880MHz_RB_15_0_NTNV



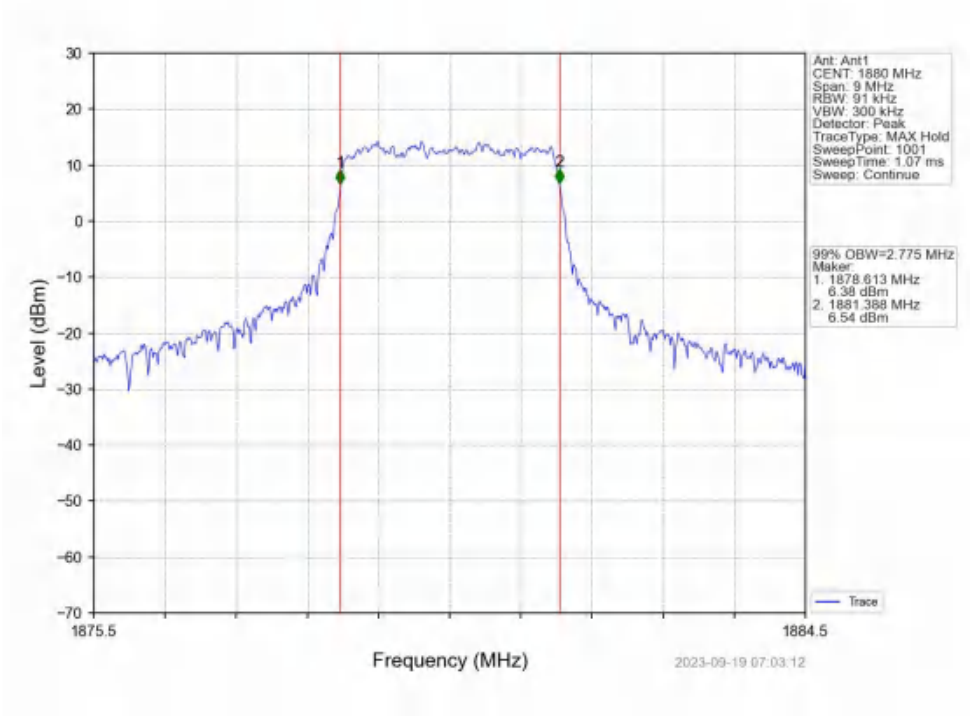
Band2_3MHz_QPSK_HCH_1908.5MHz_RB_15_0_NTNV



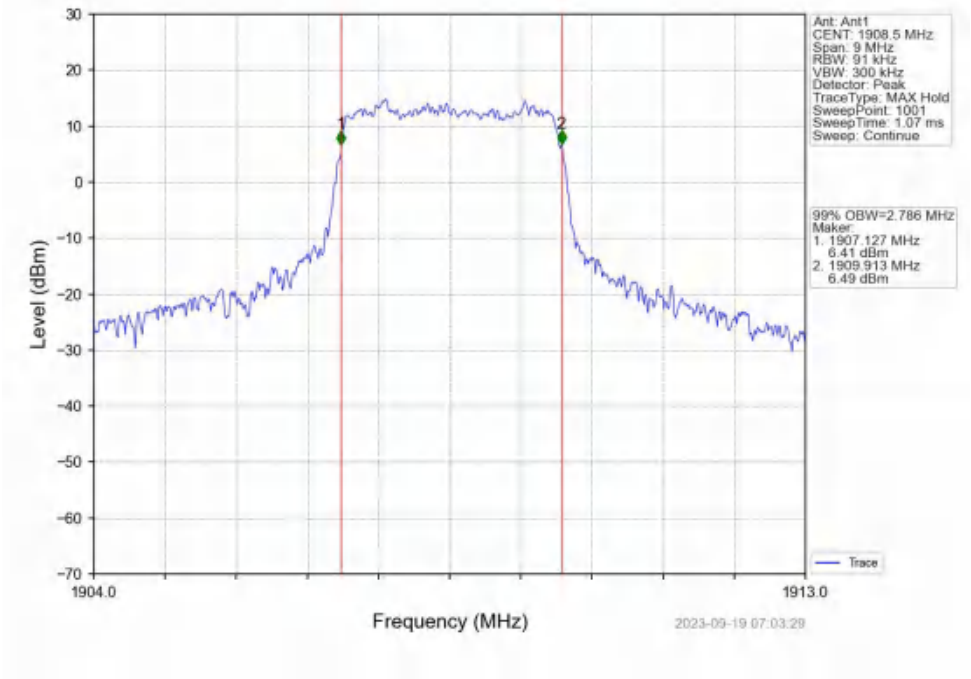

Band2_3MHz_16QAM_LCH_1851.5MHz_RB_15_0_NTNV

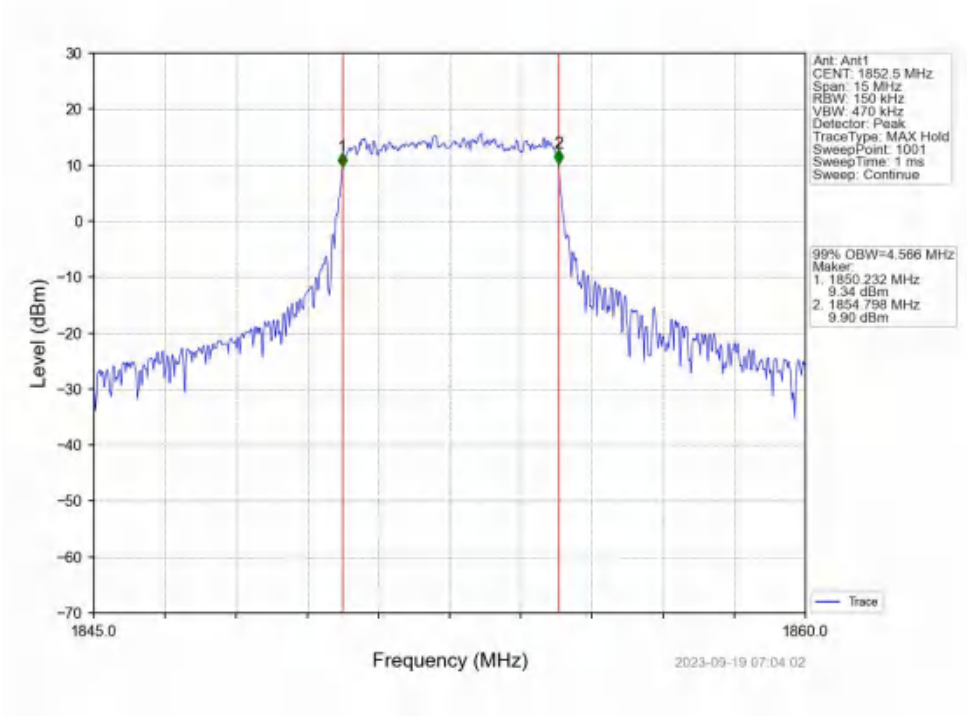
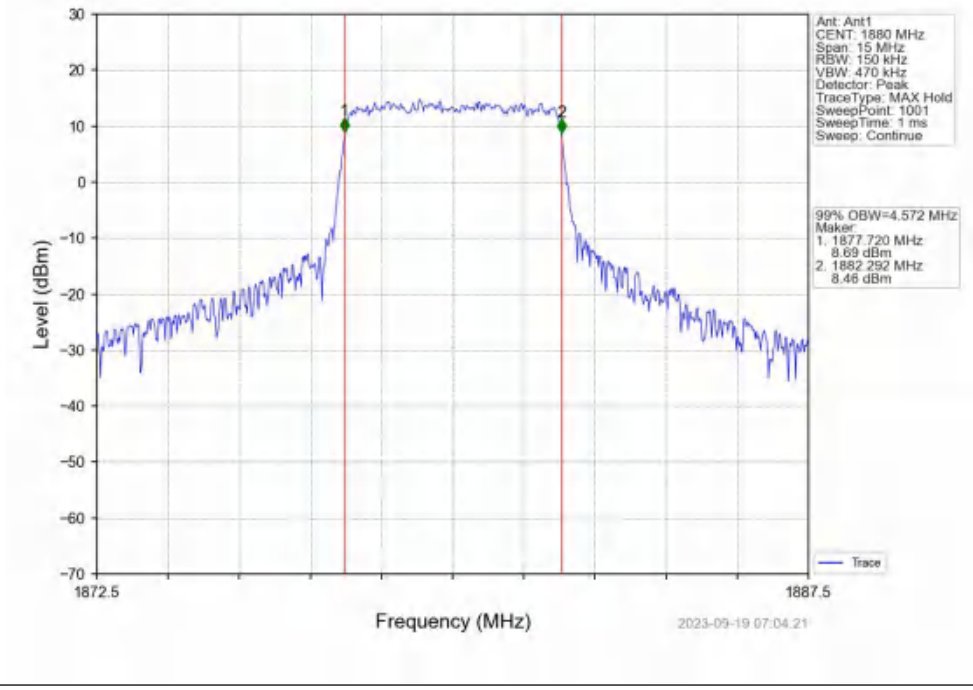


Band2_3MHz_16QAM_MCH_1880MHz_RB_15_0_NTNV

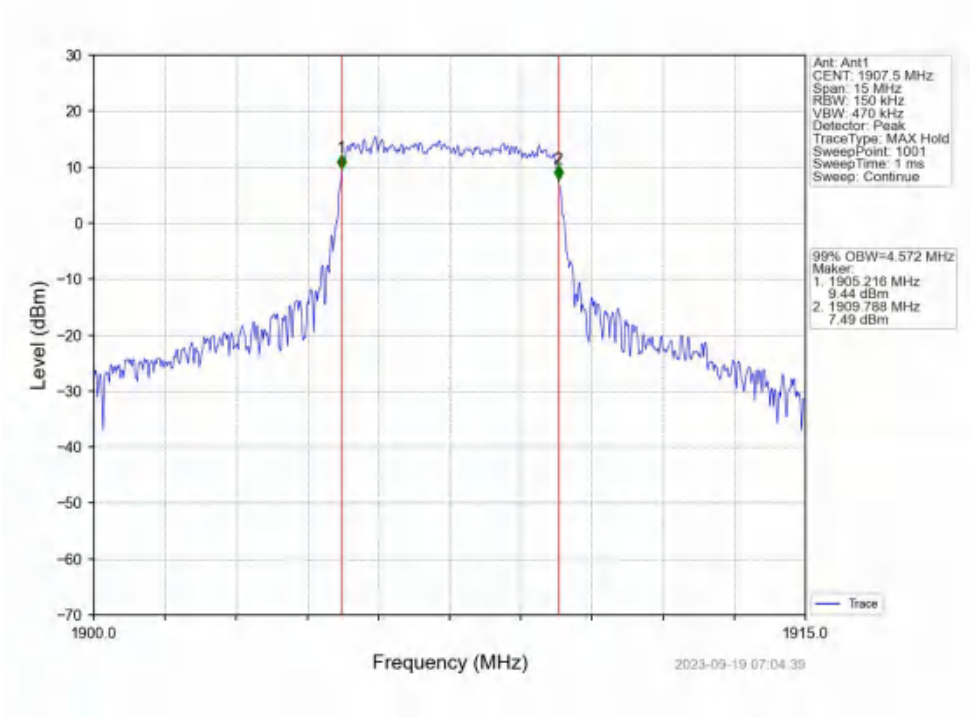



Band2_3MHz_16QAM_HCH_1908.5MHz_RB_15_0_NTNV

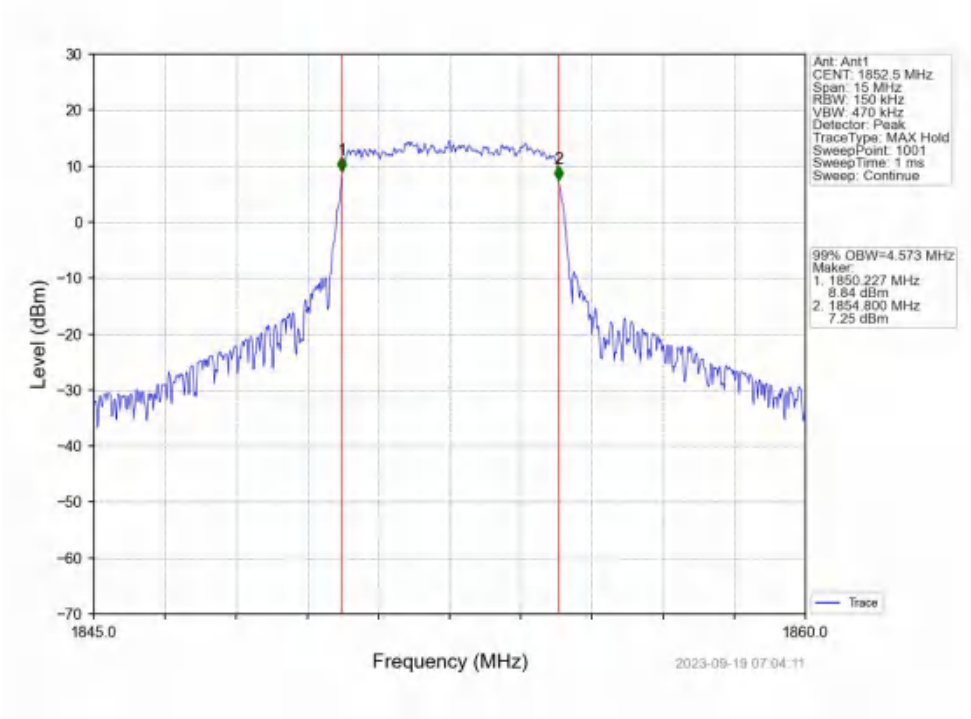


| Band2_5MHz_QPSK_LCH_1852.5MHz_RB_25_0_NTNV |
| --- |
|  |
| Band2_5MHz_QPSK_MCH_1880MHz_RB_25_0_NTNV |
|  |

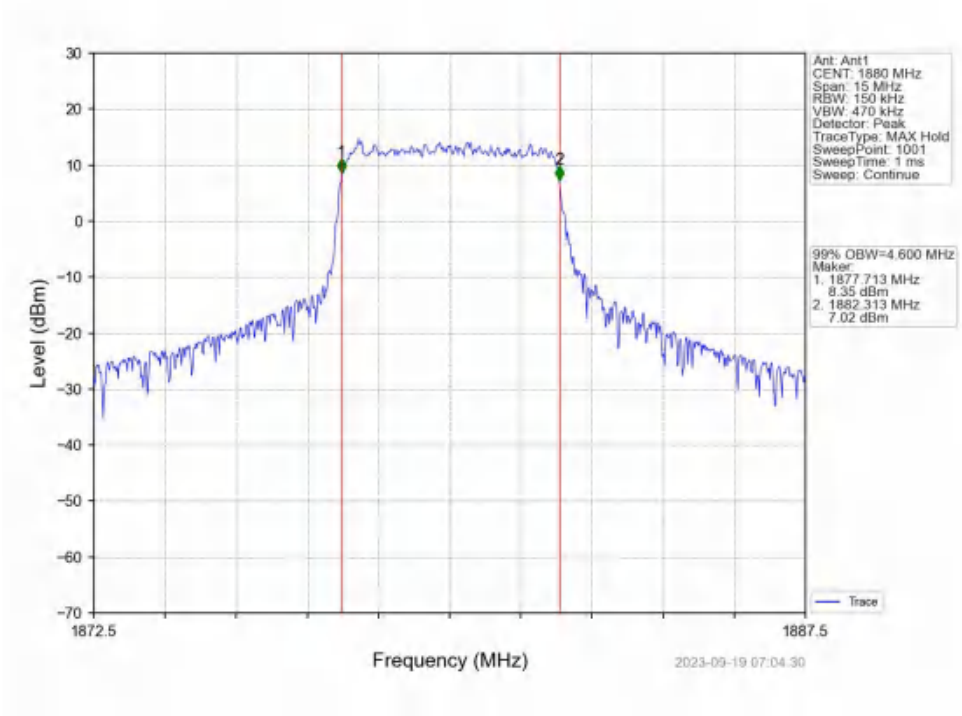
Band2_5MHz_QPSK_HCH_1907.5MHz_RB_25_0_NTNV



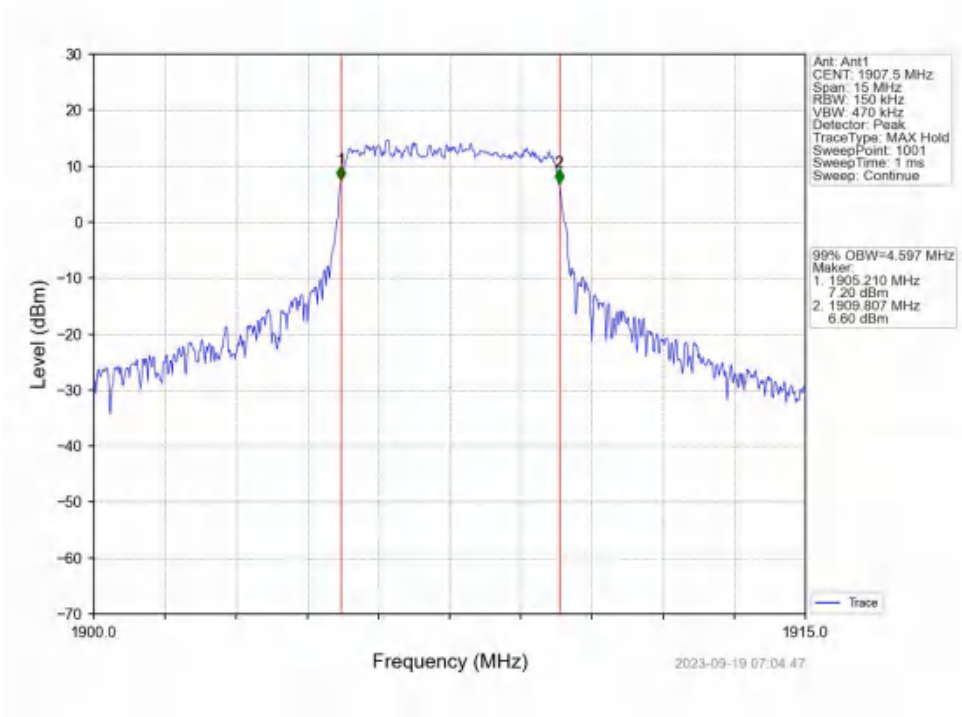

Band2_5MHz_16QAM_LCH_1852.5MHz_RB_25_0_NTNV



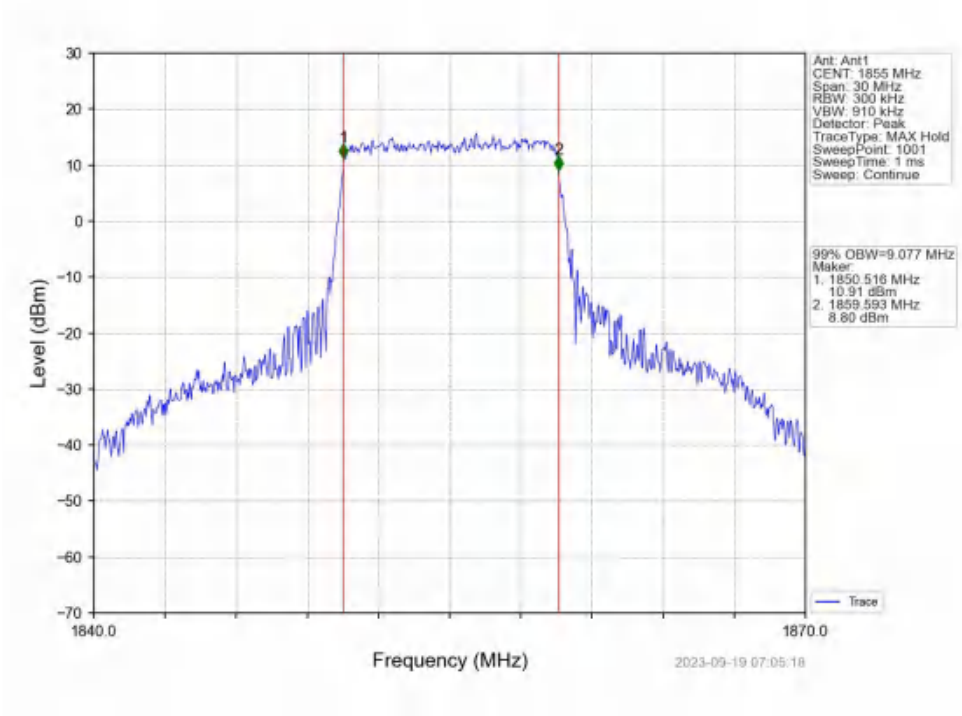
Band2_5MHz_16QAM_MCH_1880MHz_RB_25_0_NTNV



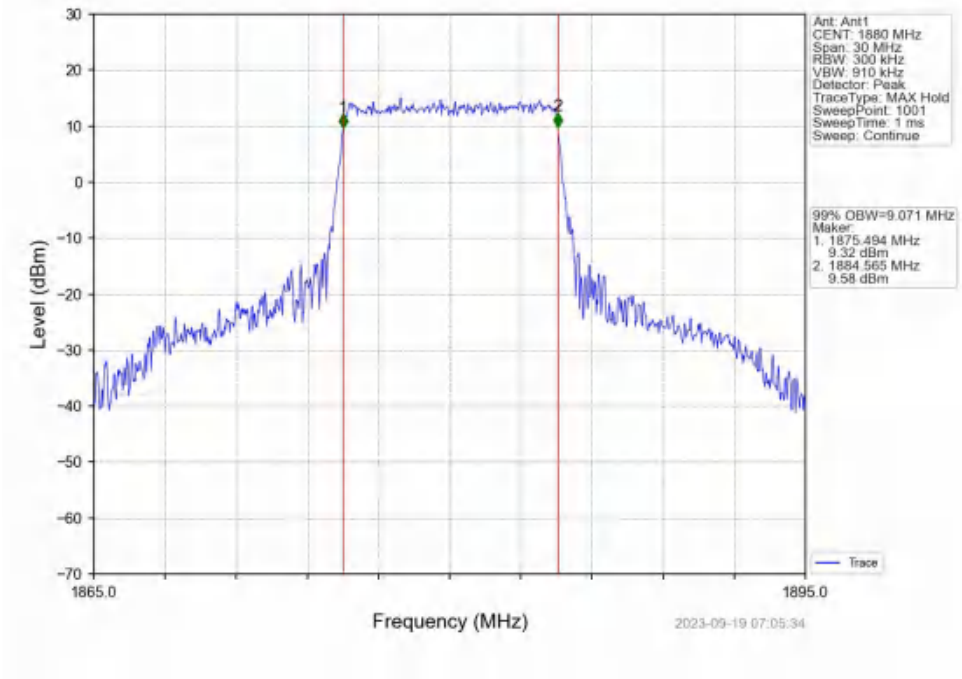

Band2_5MHz_16QAM_HCH_1907.5MHz_RB_25_0_NTNV



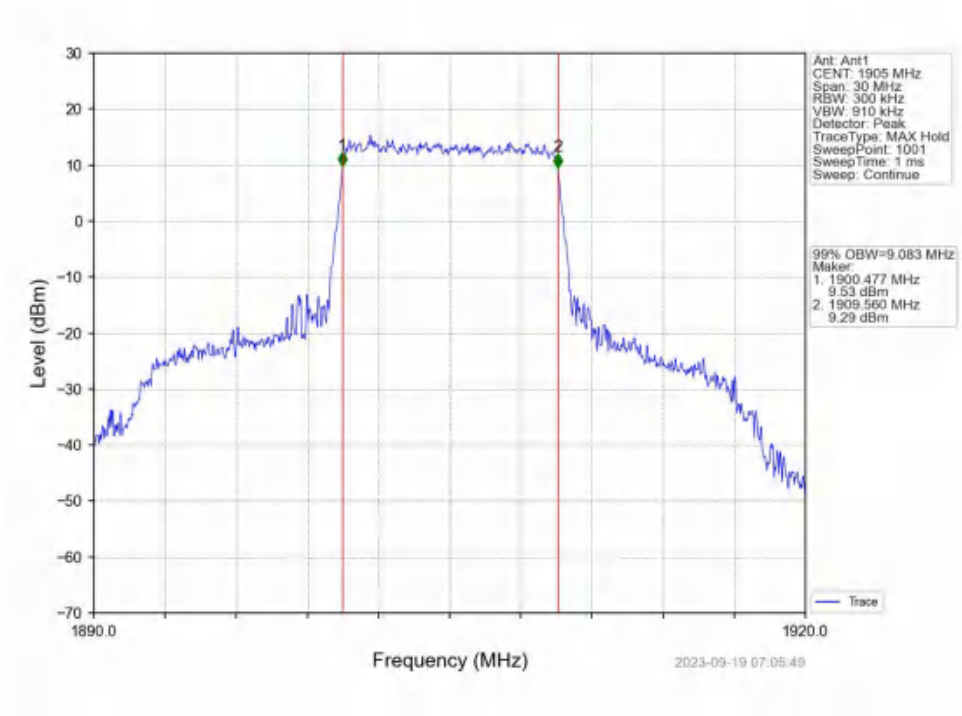
Band2_10MHz_QPSK_LCH_1855MHz_RB_50_0_NTNV



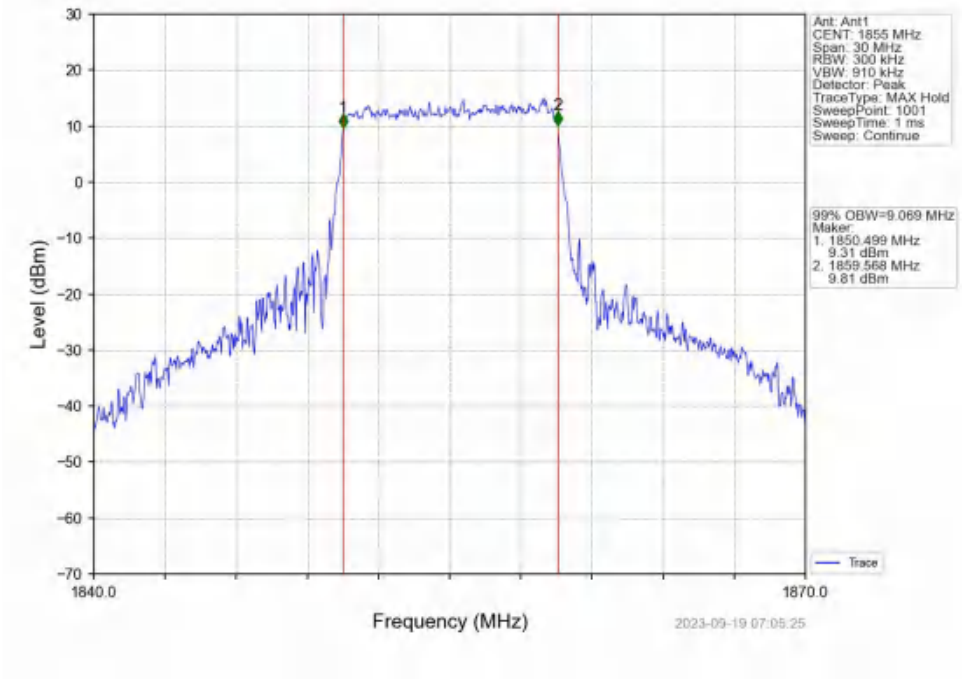

Band2_10MHz_QPSK_MCH_1880MHz_RB_50_0_NTNV



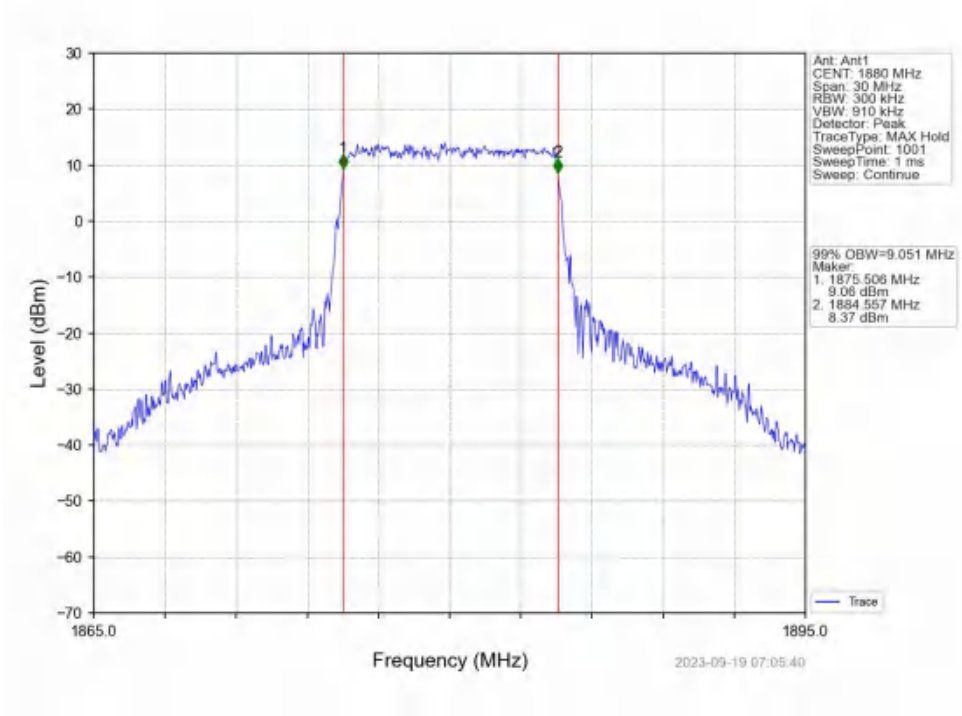
Band2_10MHz_QPSK_HCH_1905MHz_RB_50_0_NTNV



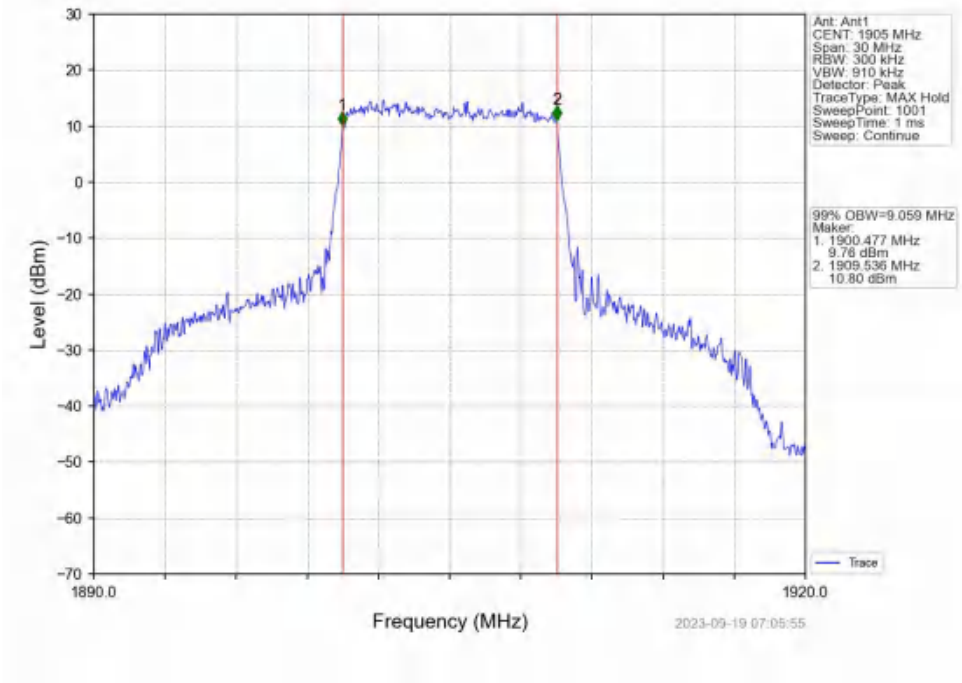

Band2_10MHz_16QAM_LCH_1855MHz_RB_50_0_NTNV



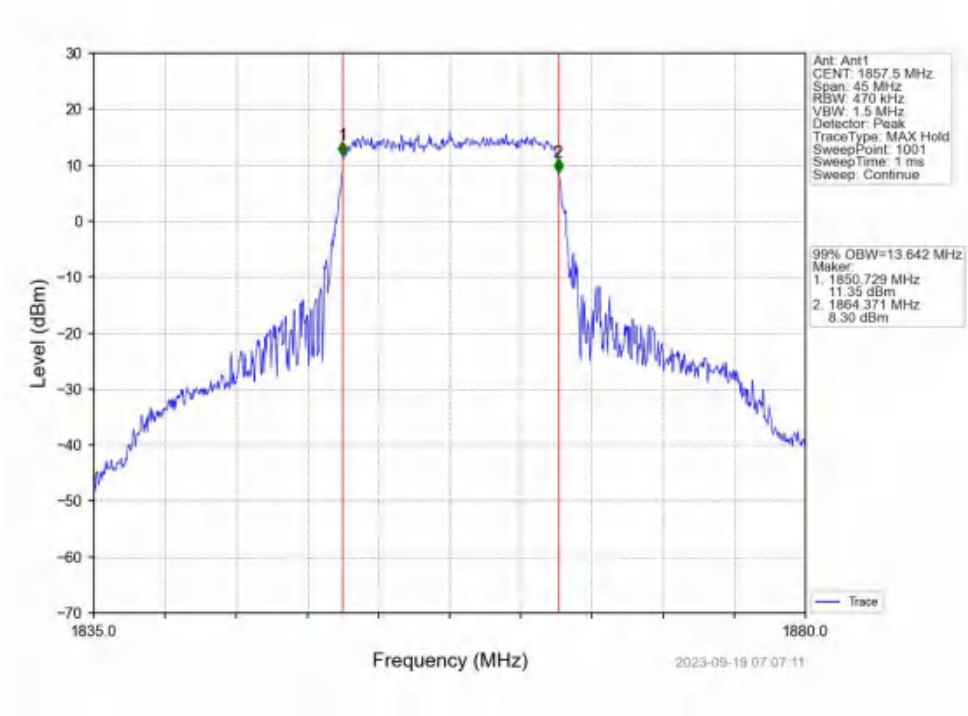
Band2_10MHz_16QAM_MCH_1880MHz_RB_50_0_NTNV



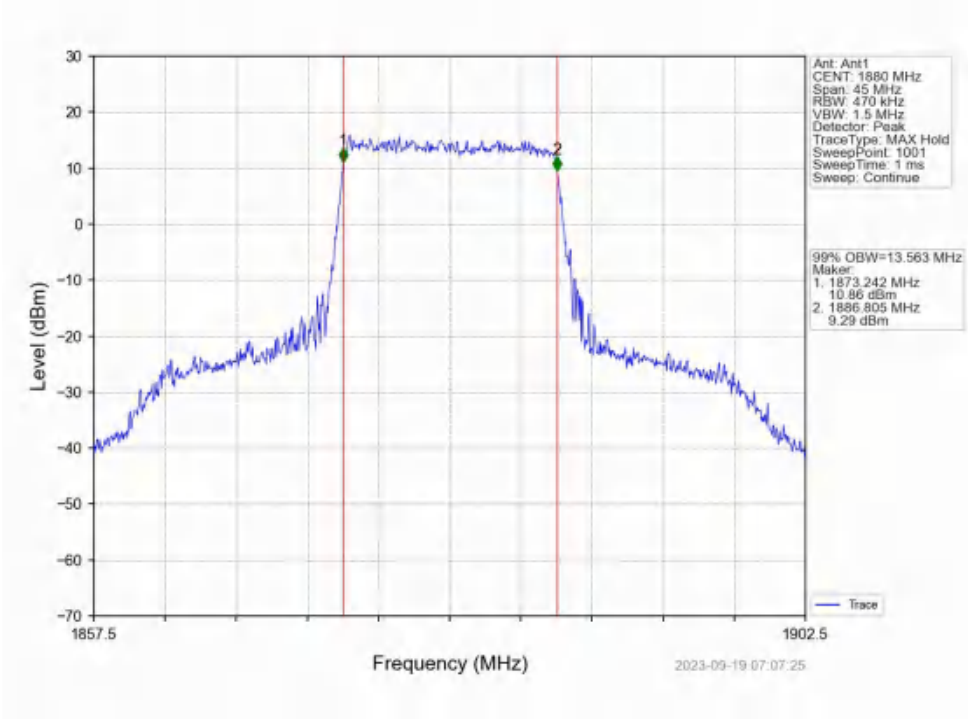

Band2_10MHz_16QAM_HCH_1905MHz_RB_50_0_NTNV



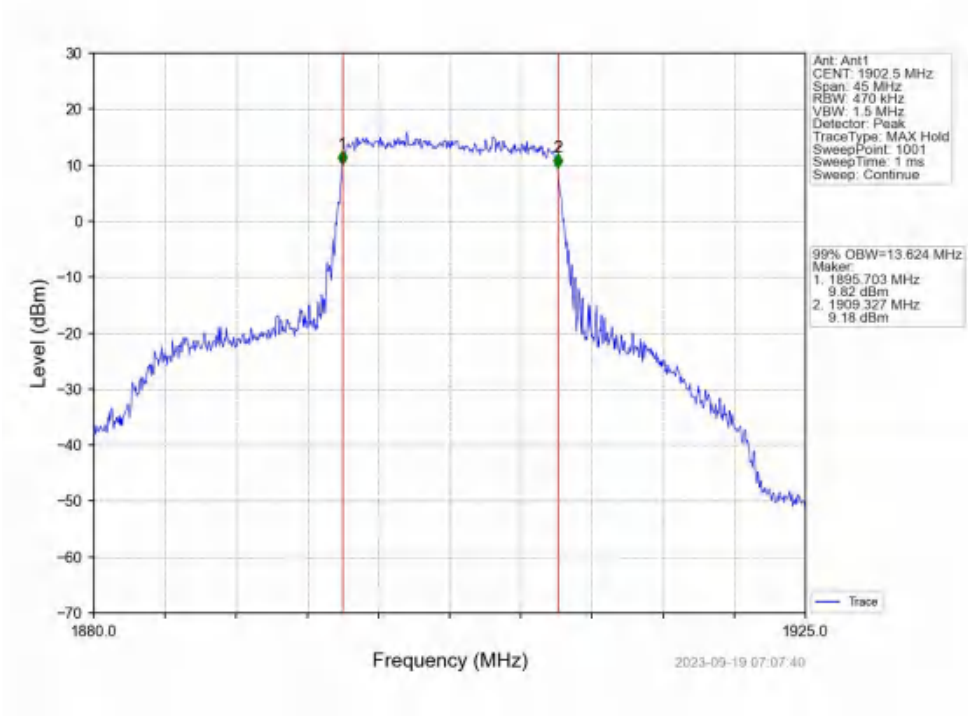
Band2_15MHz_QPSK_LCH_1857.5MHz_RB_75_0_NTNV



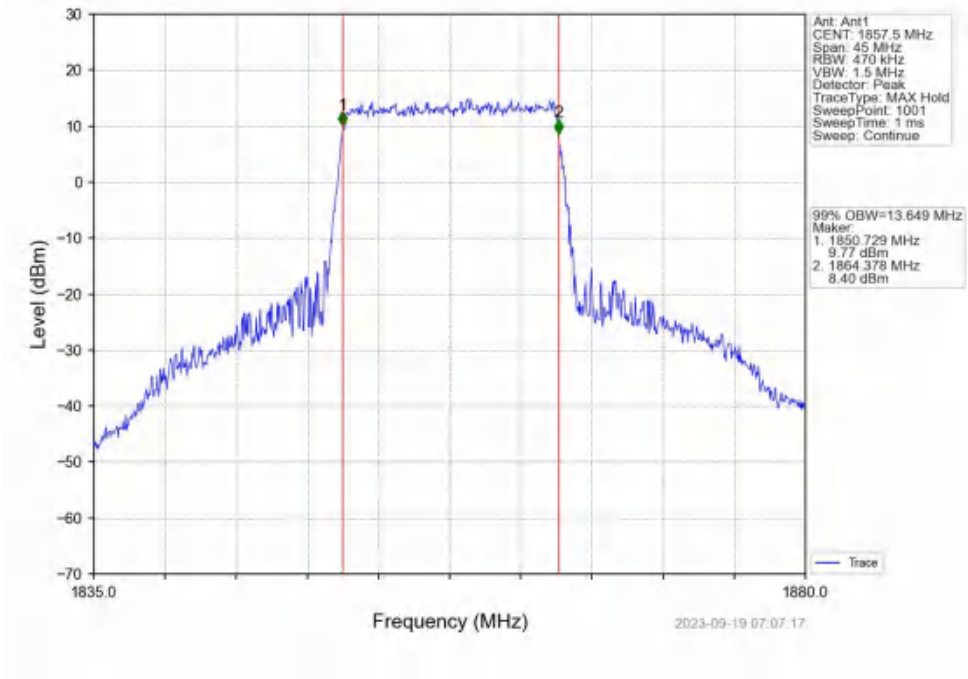

Band2_15MHz_QPSK_MCH_1880MHz_RB_75_0_NTNV



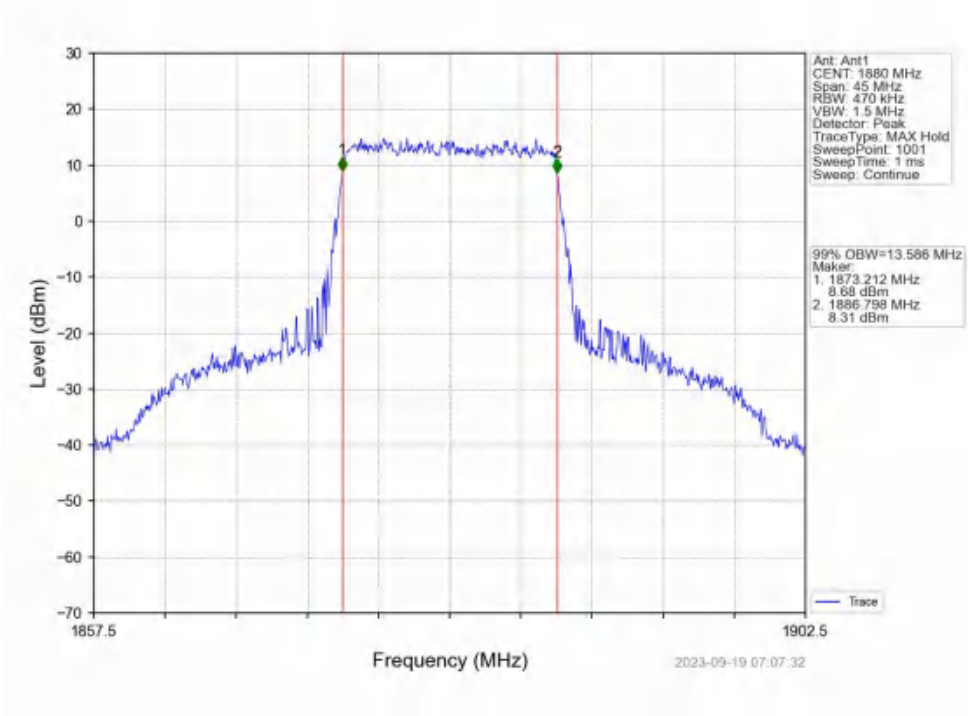
Band2_15MHz_QPSK_HCH_1902.5MHz_RB_75_0_NTNV



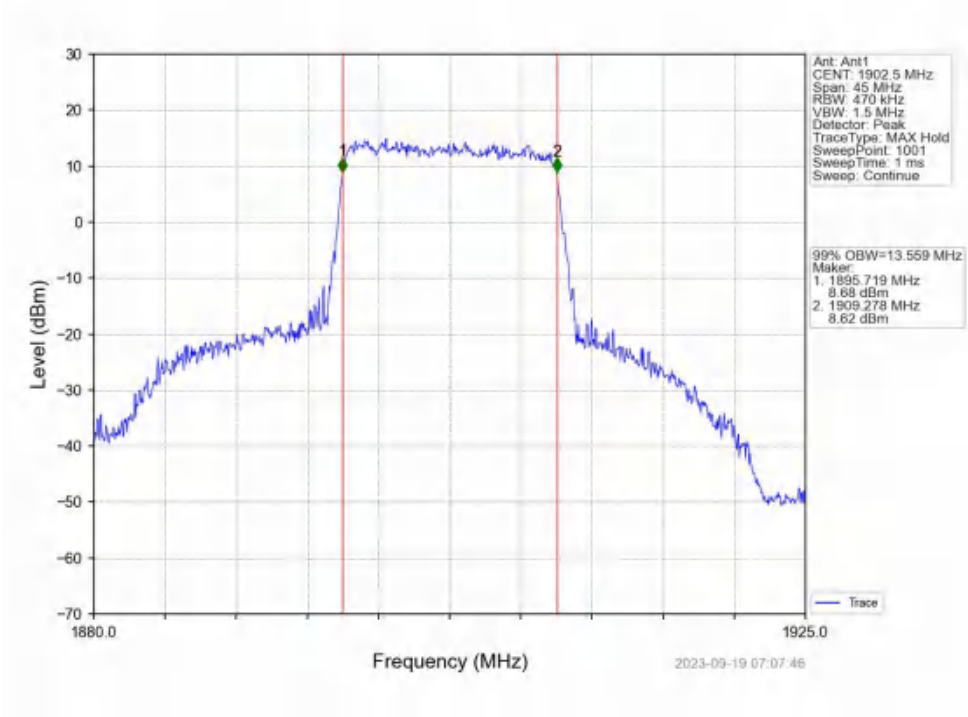

Band2_15MHz_16QAM_LCH_1857.5MHz_RB_75_0_NTNV



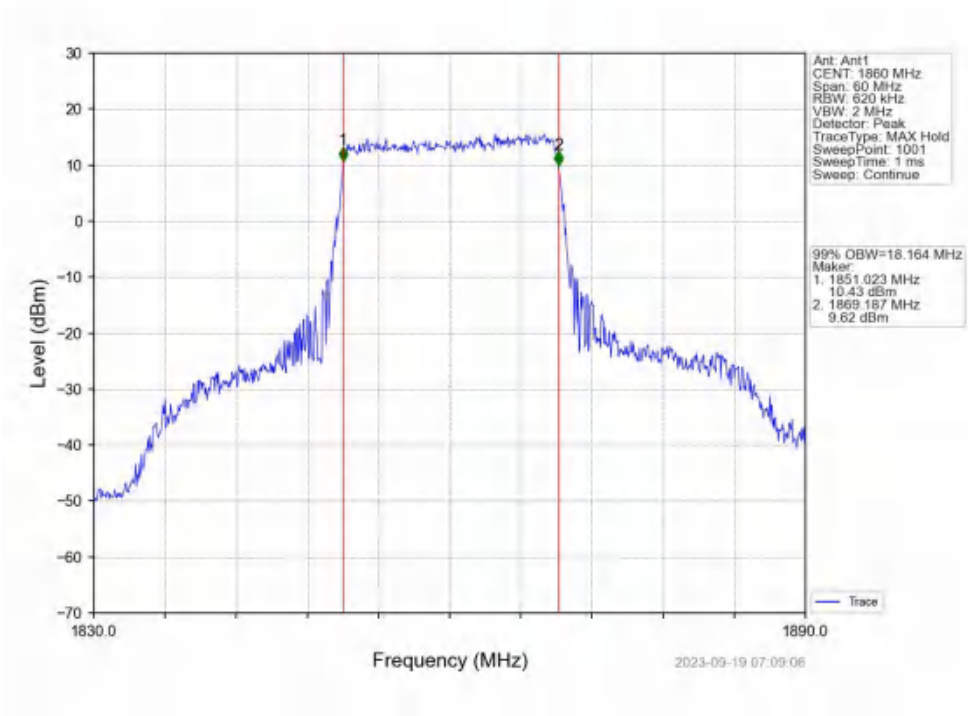
Band2_15MHz_16QAM_MCH_1880MHz_RB_75_0_NTNV



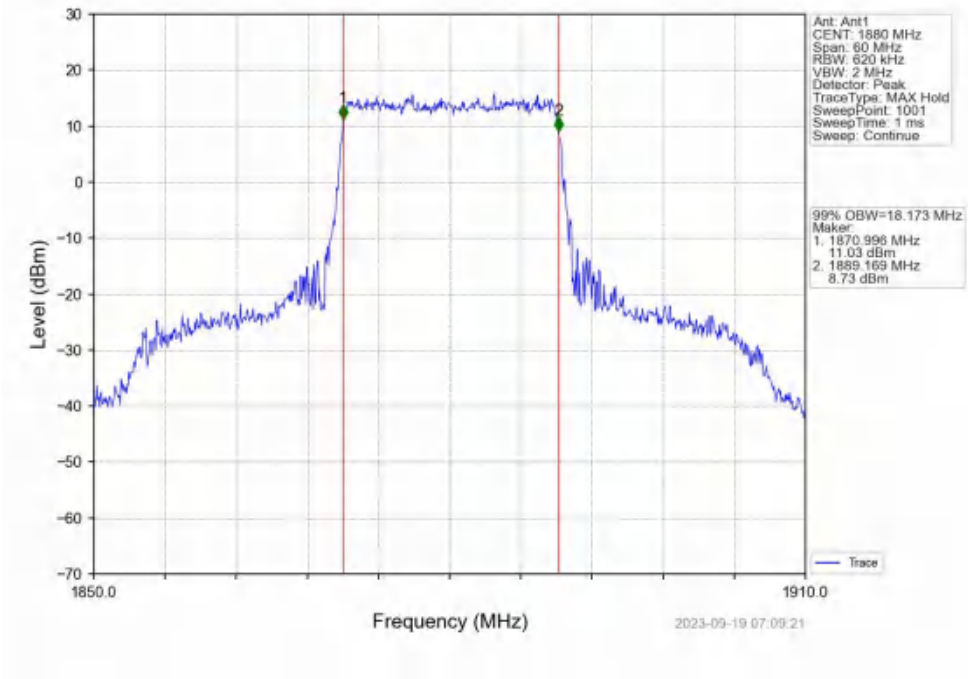

Band2_15MHz_16QAM_HCH_1902.5MHz_RB_75_0_NTNV



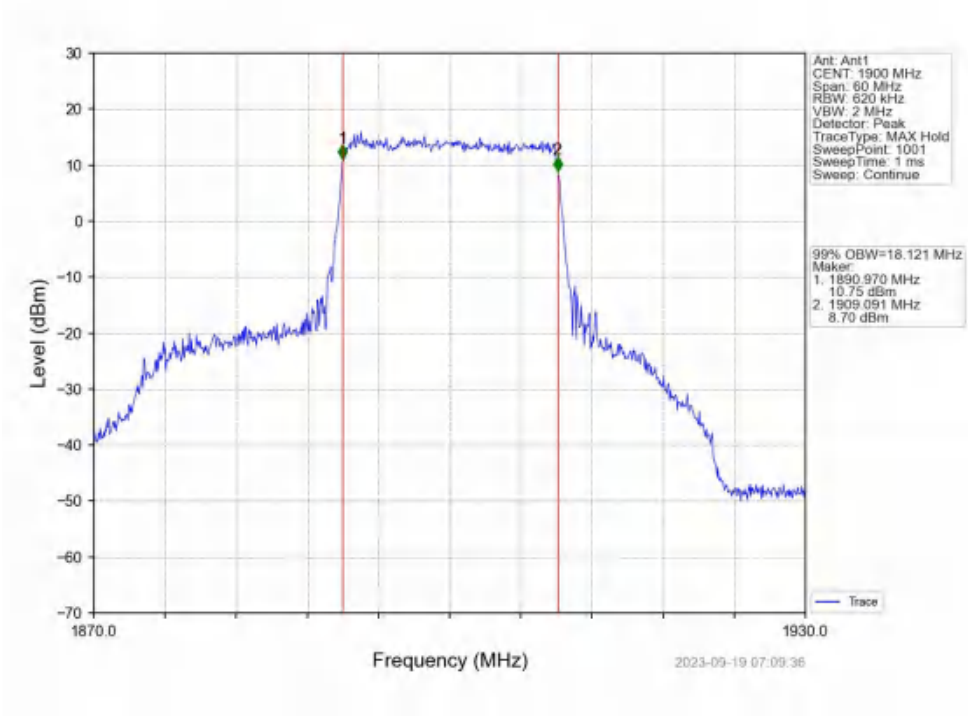
Band2_20MHz_QPSK_LCH_1860MHz_RB_100_0_NTNV



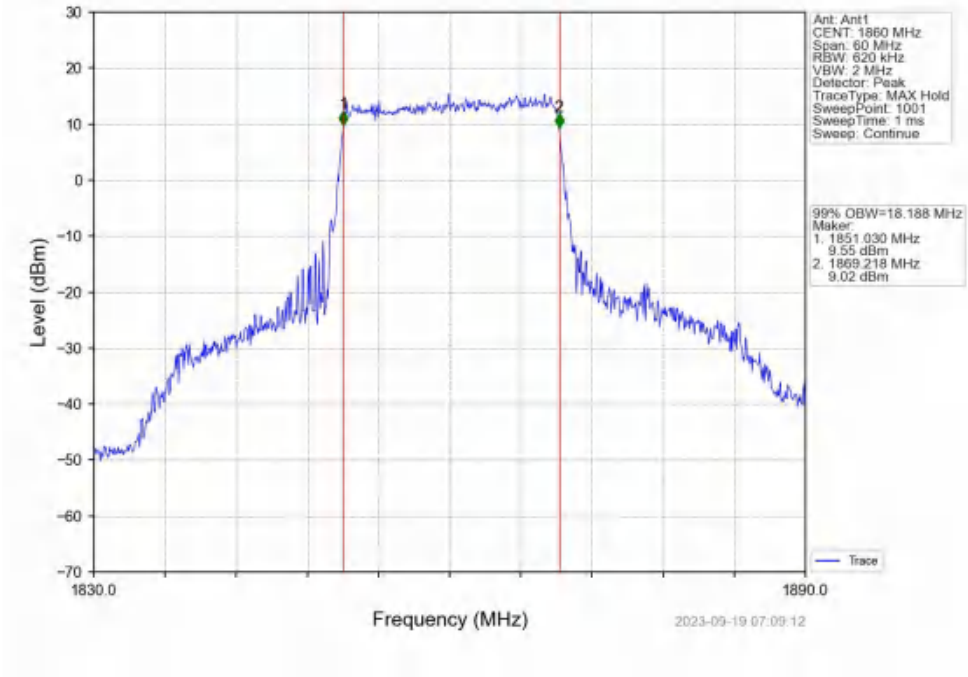

Band2_20MHz_QPSK_MCH_1880MHz_RB_100_0_NTNV

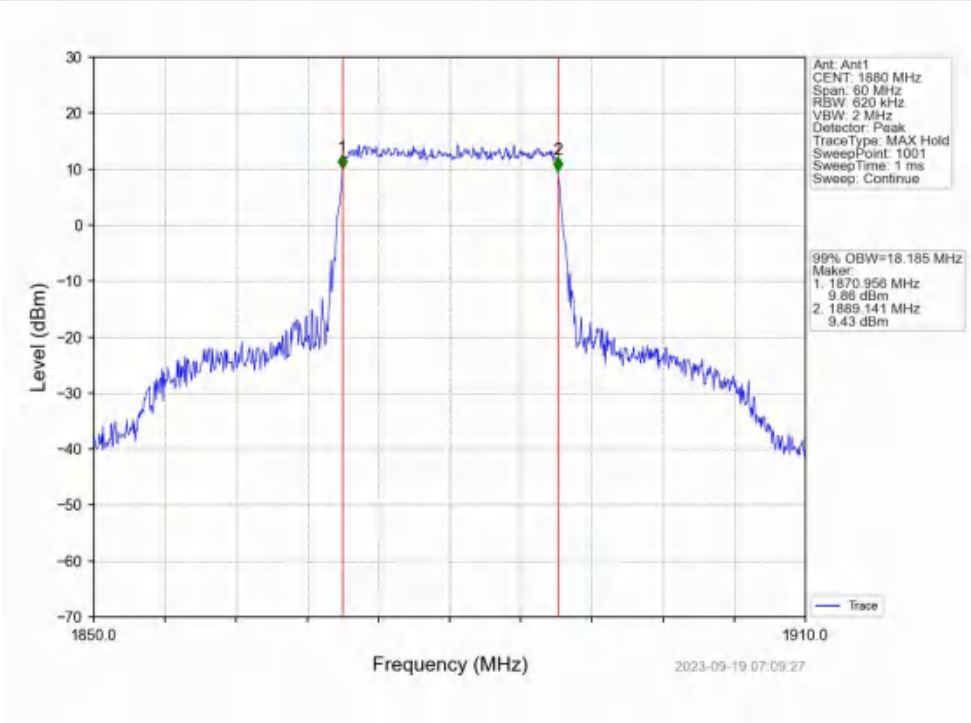
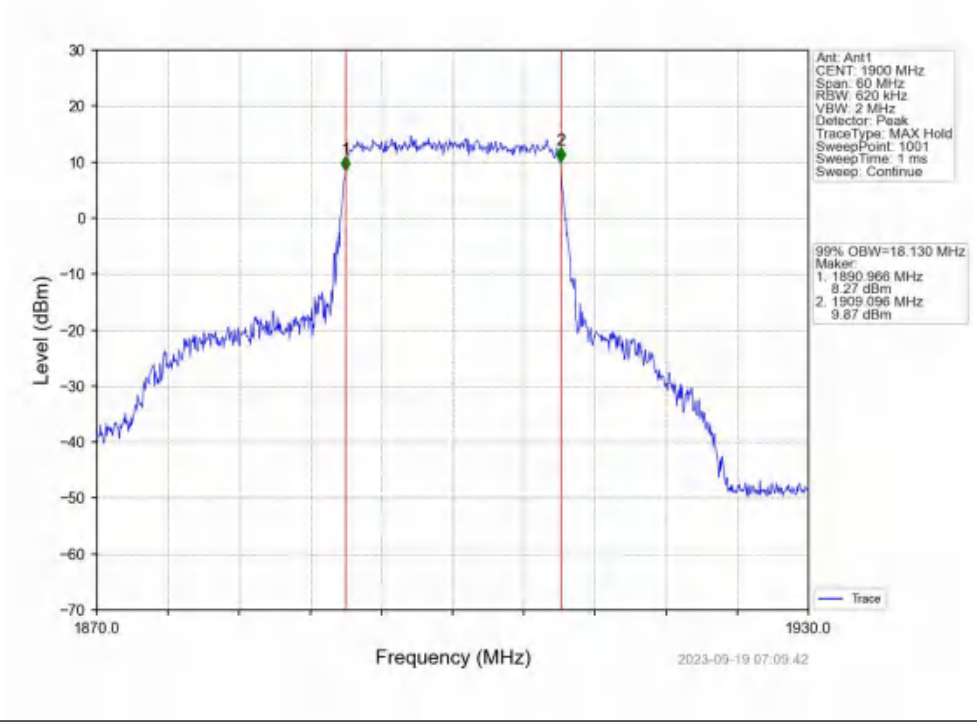


Band2_20MHz_QPSK_HCH_1900MHz_RB_100_0_NTNV




Band2_20MHz_16QAM_LCH_1860MHz_RB_100_0_NTNV



| Band2_20MHz_16QAM_MCH_1880MHz_RB_100_0_NTNV |
| --- |
|  |
| Band2_20MHz_16QAM_HCH_1900MHz_RB_100_0_NTNV |
|  |

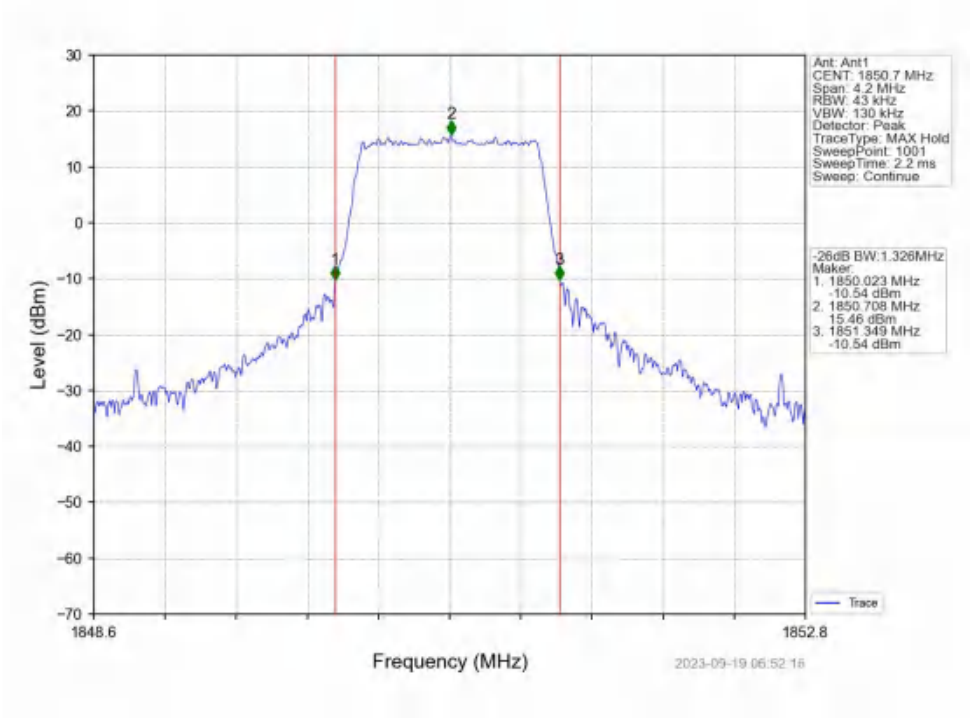
## 4.2 Band2_XDB

### 4.2.1 Test Result

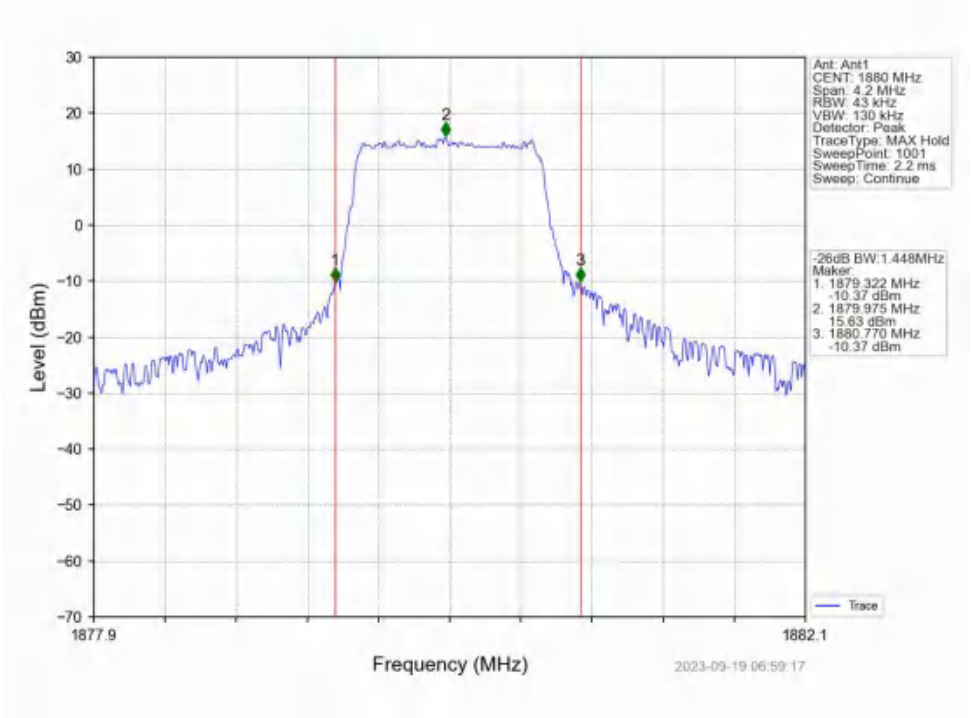
| Band: 2 / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation | | 26dB Bandwidth (MHz) | Verdict |
| | | | Size | Offset | Result | |
| 1.4 | QPSK | 1850.7 | 6 | 0 | 1.326 | Pass |
| | | 1880 | 6 | 0 | 1.448 | Pass |
| | | 1909.3 | 6 | 0 | 1.523 | Pass |
| | 16QAM | 1850.7 | 6 | 0 | 1.505 | Pass |
| | | 1880 | 6 | 0 | 1.463 | Pass |
| | | 1909.3 | 6 | 0 | 1.523 | Pass |
| 3 | QPSK | 1851.5 | 15 | 0 | 3.364 | Pass |
| | | 1880 | 15 | 0 | 3.280 | Pass |
| | | 1908.5 | 15 | 0 | 3.515 | Pass |
| | 16QAM | 1851.5 | 15 | 0 | 3.555 | Pass |
| | | 1880 | 15 | 0 | 3.525 | Pass |
| | | 1908.5 | 15 | 0 | 3.214 | Pass |
| 5 | QPSK | 1852.5 | 25 | 0 | 5.759 | Pass |
| | | 1880 | 25 | 0 | 5.545 | Pass |
| | | 1907.5 | 25 | 0 | 5.325 | Pass |
| | 16QAM | 1852.5 | 25 | 0 | 5.524 | Pass |
| | | 1880 | 25 | 0 | 5.446 | Pass |
| | | 1907.5 | 25 | 0 | 5.655 | Pass |
| 10 | QPSK | 1855 | 50 | 0 | 10.514 | Pass |
| | | 1880 | 50 | 0 | 10.276 | Pass |
| | | 1905 | 50 | 0 | 10.071 | Pass |
| | 16QAM | 1855 | 50 | 0 | 10.586 | Pass |
| | | 1880 | 50 | 0 | 10.220 | Pass |
| | | 1905 | 50 | 0 | 10.093 | Pass |
| 15 | QPSK | 1857.5 | 75 | 0 | 16.025 | Pass |
| | | 1880 | 75 | 0 | 15.464 | Pass |
| | | 1902.5 | 75 | 0 | 15.755 | Pass |
| | 16QAM | 1857.5 | 75 | 0 | 15.211 | Pass |
| | | 1880 | 75 | 0 | 15.648 | Pass |
| | | 1902.5 | 75 | 0 | 15.087 | Pass |
| 20 | QPSK | 1860 | 100 | 0 | 21.136 | Pass |
| | | 1880 | 100 | 0 | 20.351 | Pass |
| | | 1900 | 100 | 0 | 20.231 | Pass |
| | 16QAM | 1860 | 100 | 0 | 20.410 | Pass |
| | | 1880 | 100 | 0 | 20.305 | Pass |
| | | 1900 | 100 | 0 | 20.398 | Pass |

## 4.2.2 Test Graph

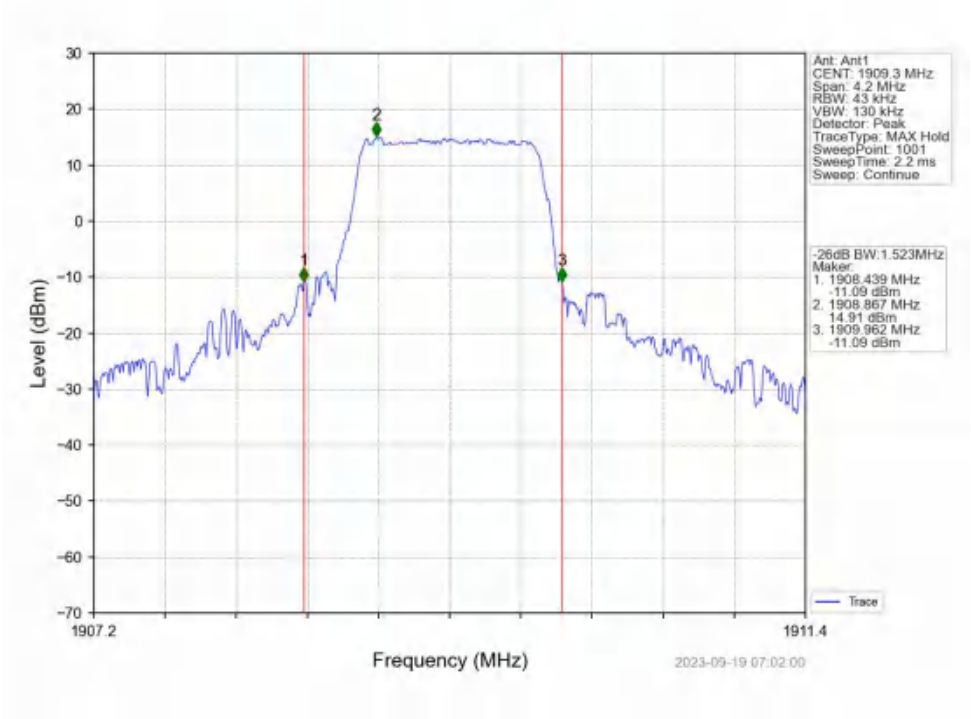
Band2_1.4MHz_QPSK_LCH_1850.7MHz_RB_6_0_NTNV



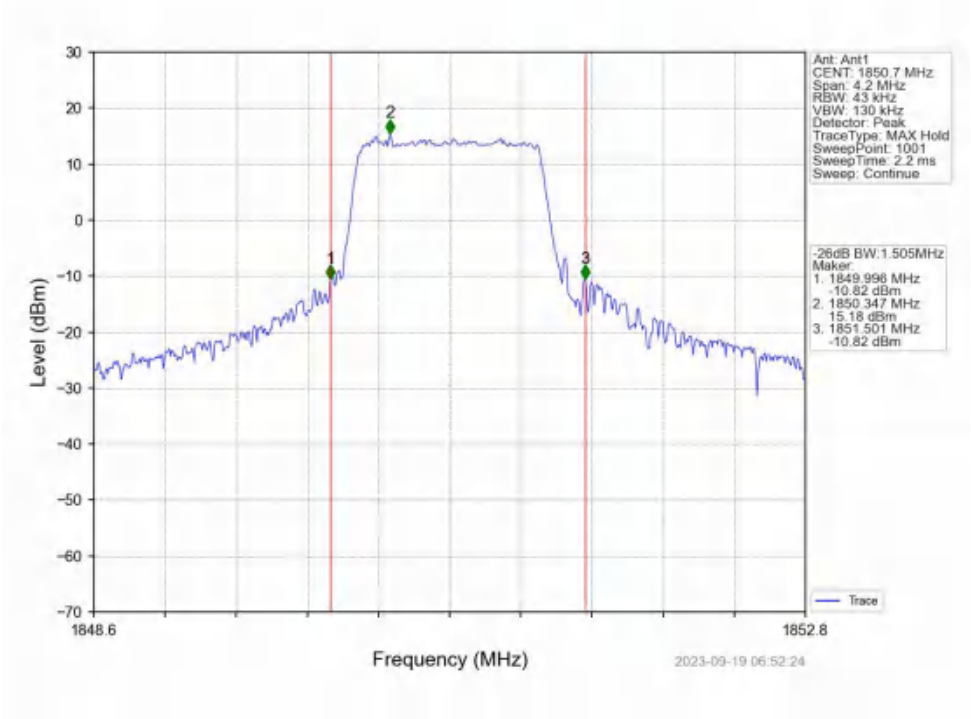

Band2_1.4MHz_QPSK_MCH_1880MHz_RB_6_0_NTNV



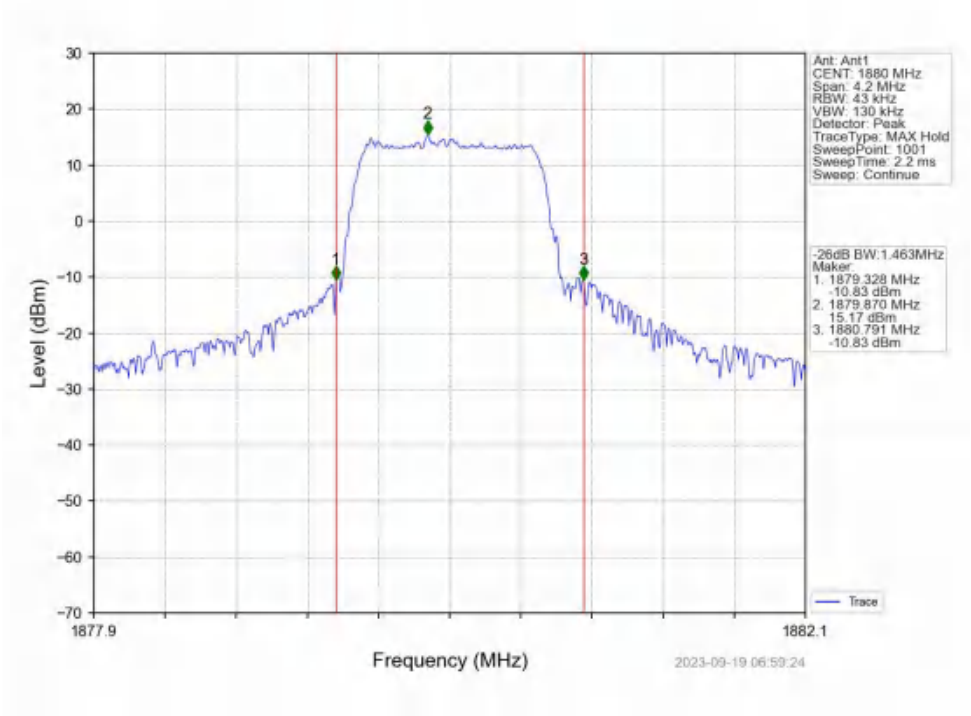
Band2_1.4MHz_QPSK_HCH_1909.3MHz_RB_6_0_NTNV



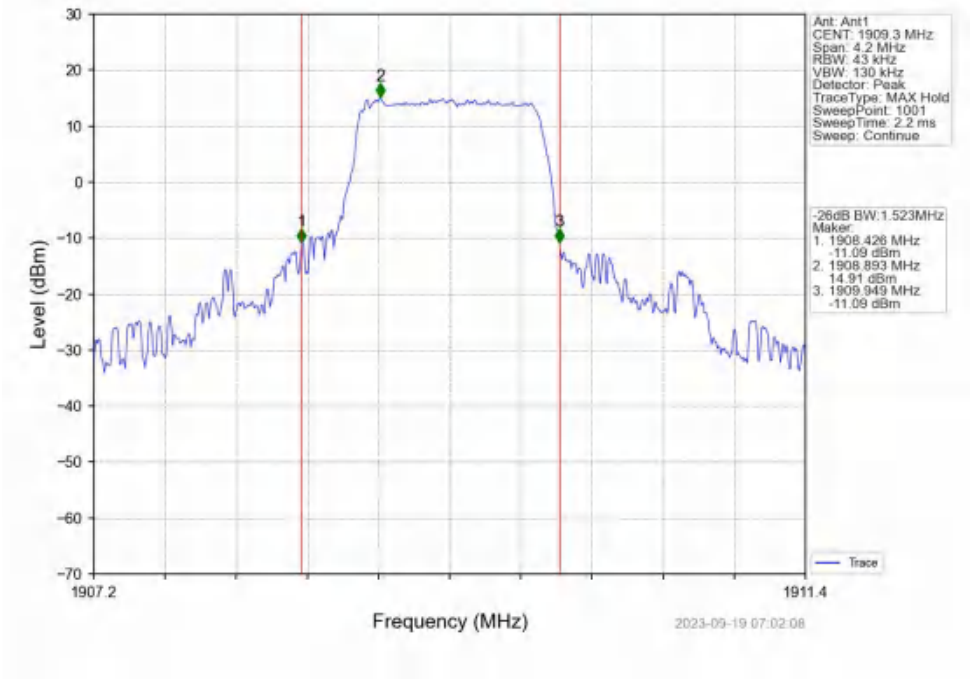

Band2_1.4MHz_16QAM_LCH_1850.7MHz_RB_6_0_NTNV



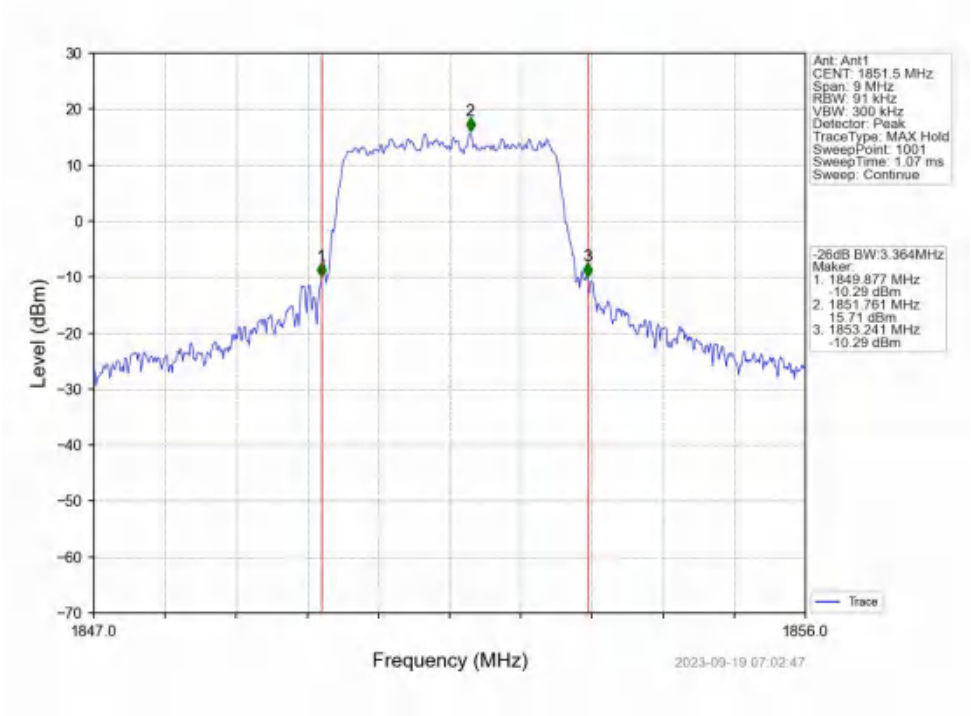
Band2_1.4MHz_16QAM_MCH_1880MHz_RB_6_0_NTNV



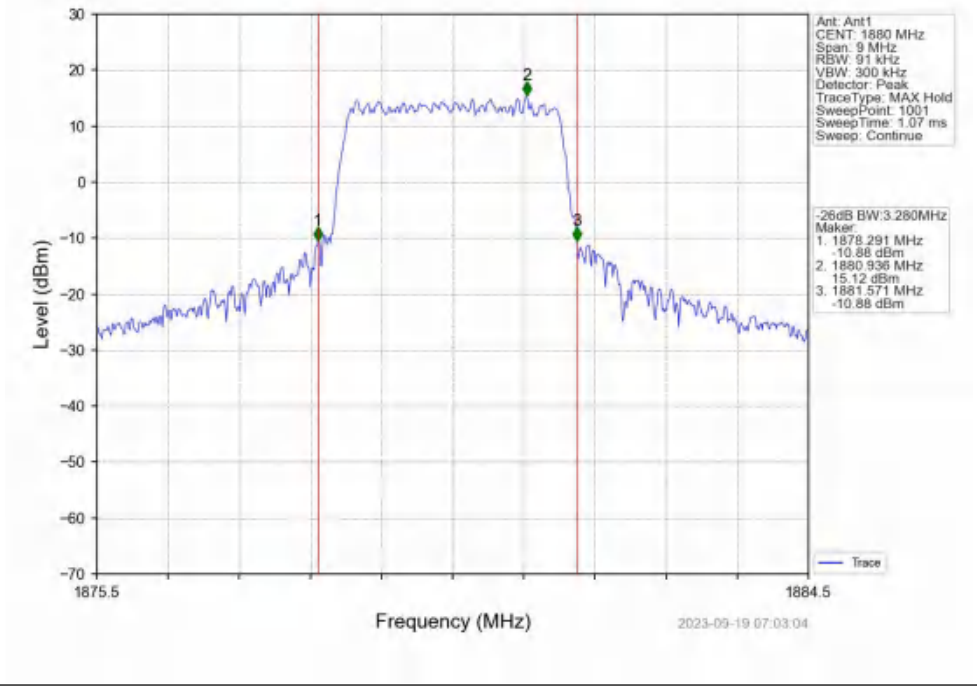

Band2_1.4MHz_16QAM_HCH_1909.3MHz_RB_6_0_NTNV



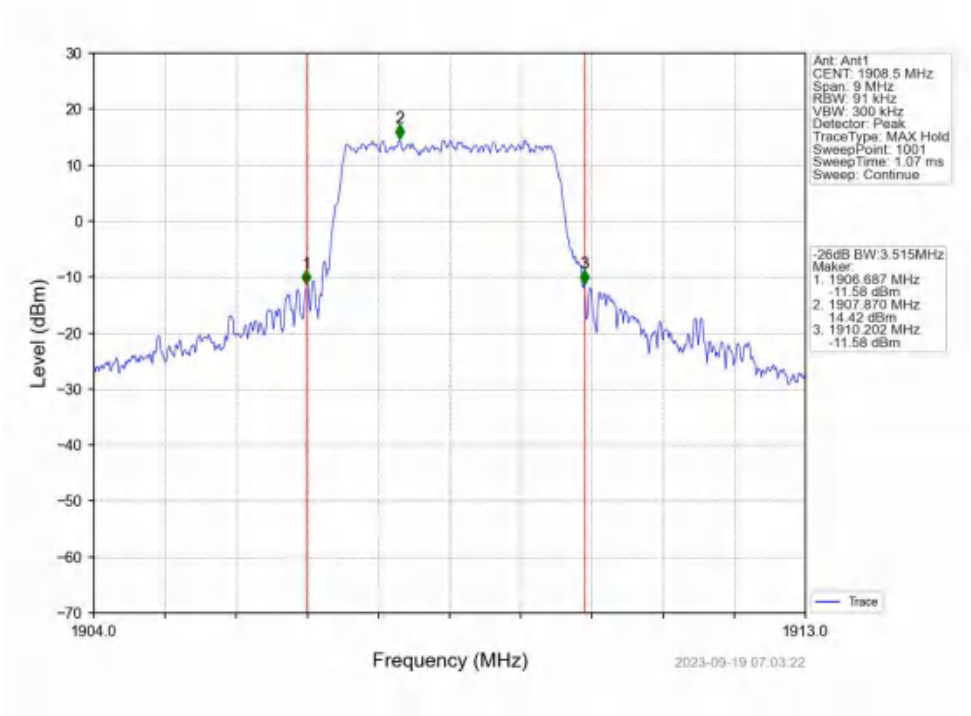
Band2_3MHz_QPSK_LCH_1851.5MHz_RB_15_0_NTNV



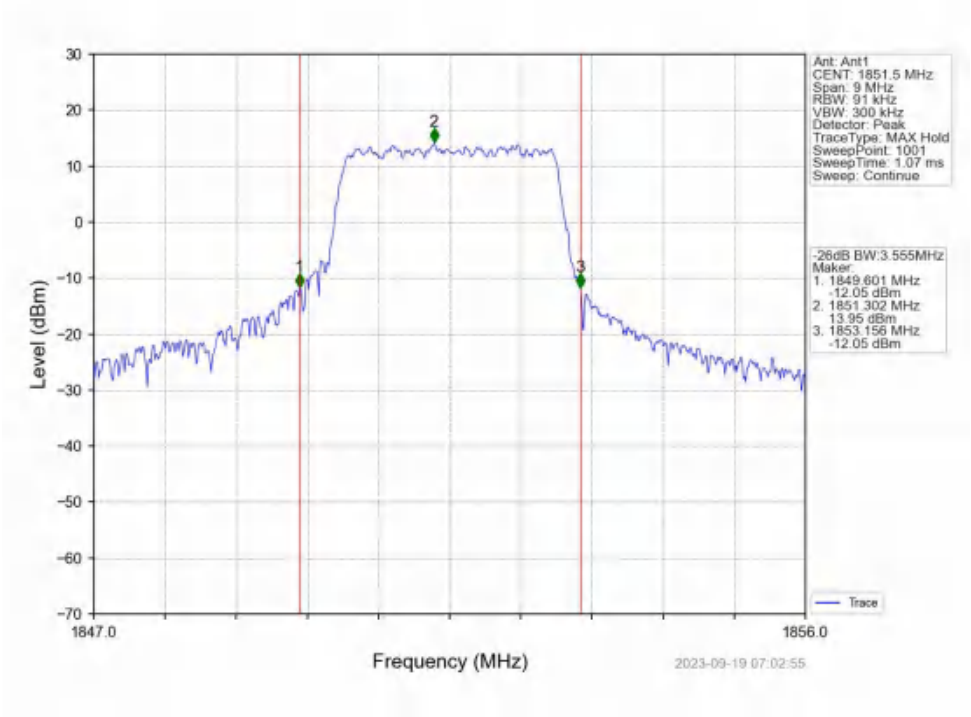

Band2_3MHz_QPSK_MCH_1880MHz_RB_15_0_NTNV



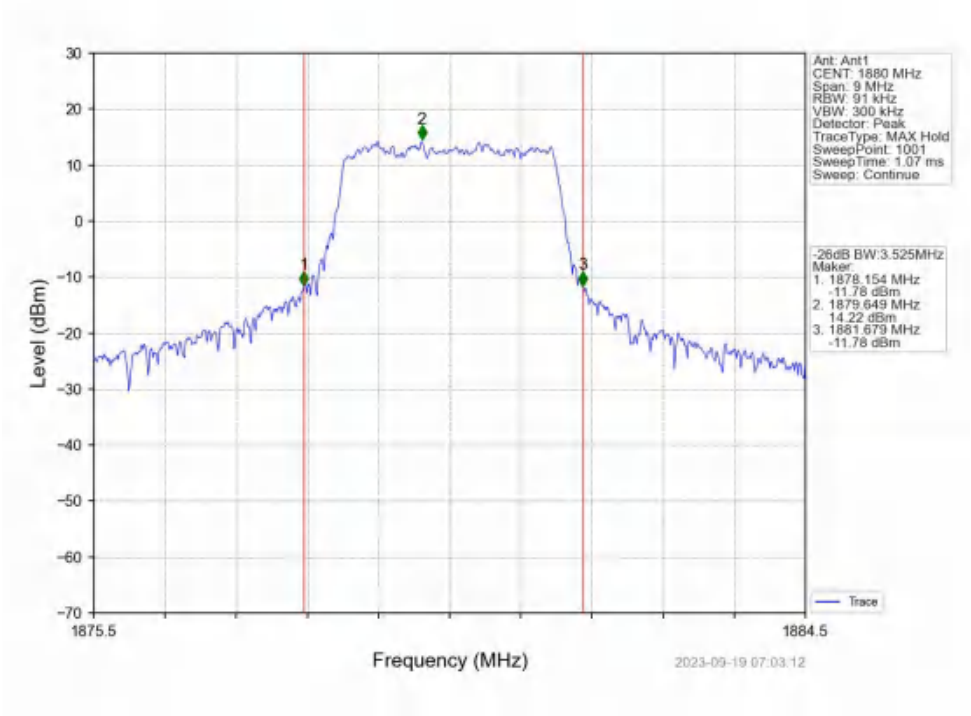
Band2_3MHz_QPSK_HCH_1908.5MHz_RB_15_0_NTNV



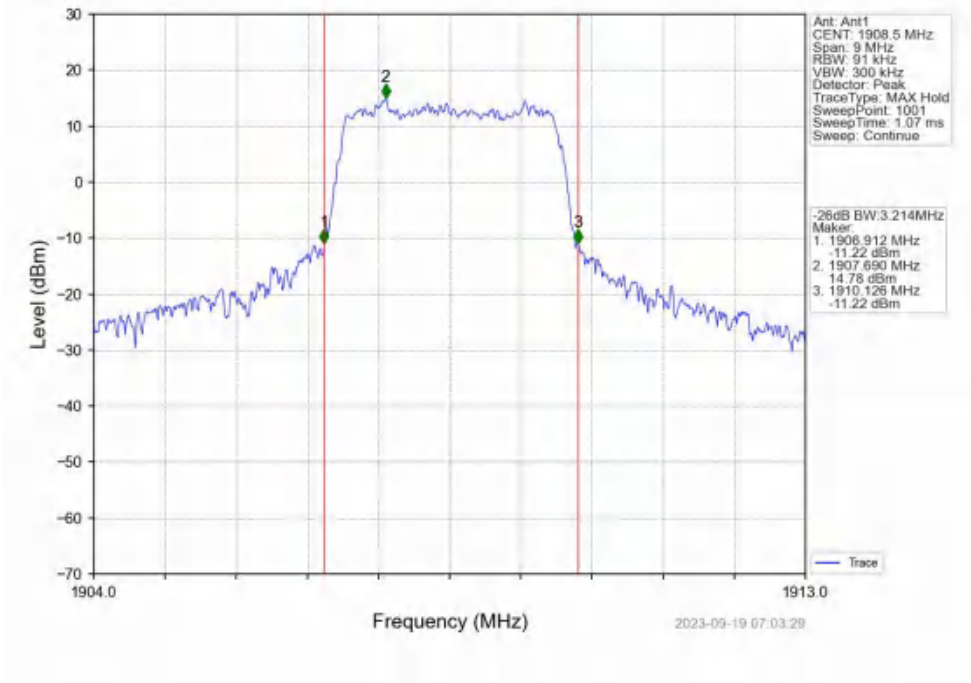

Band2_3MHz_16QAM_LCH_1851.5MHz_RB_15_0_NTNV



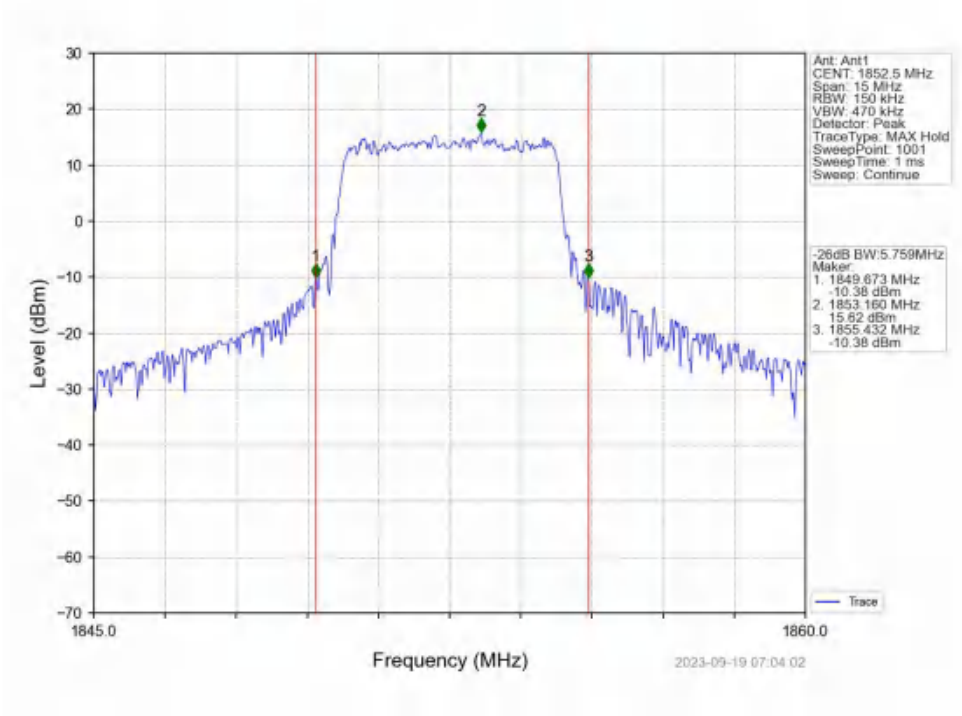
Band2_3MHz_16QAM_MCH_1880MHz_RB_15_0_NTNV



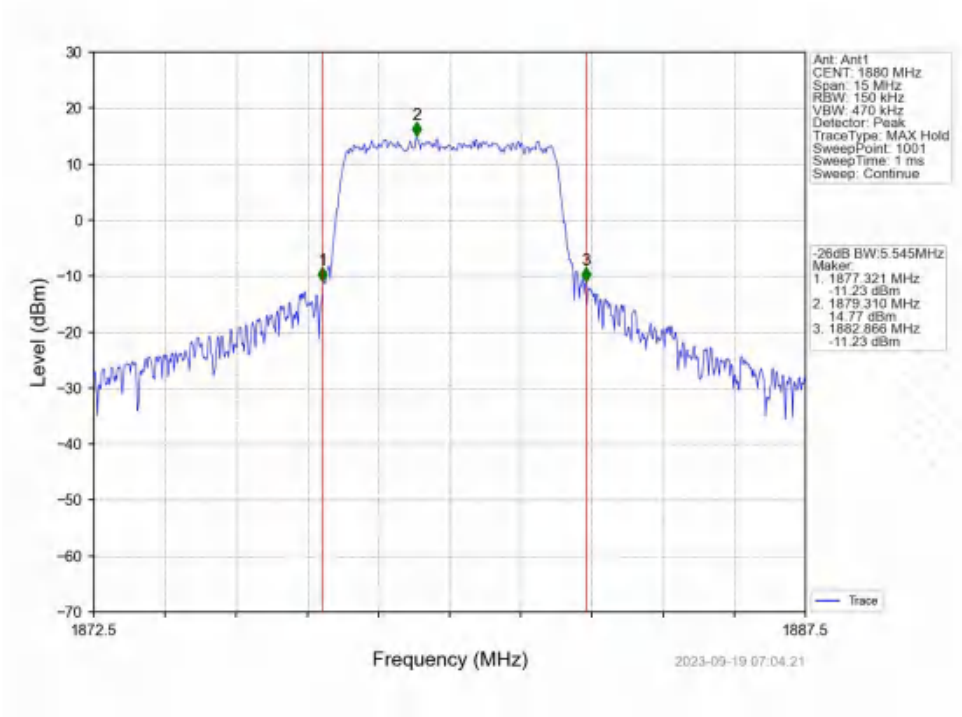

Band2_3MHz_16QAM_HCH_1908.5MHz_RB_15_0_NTNV



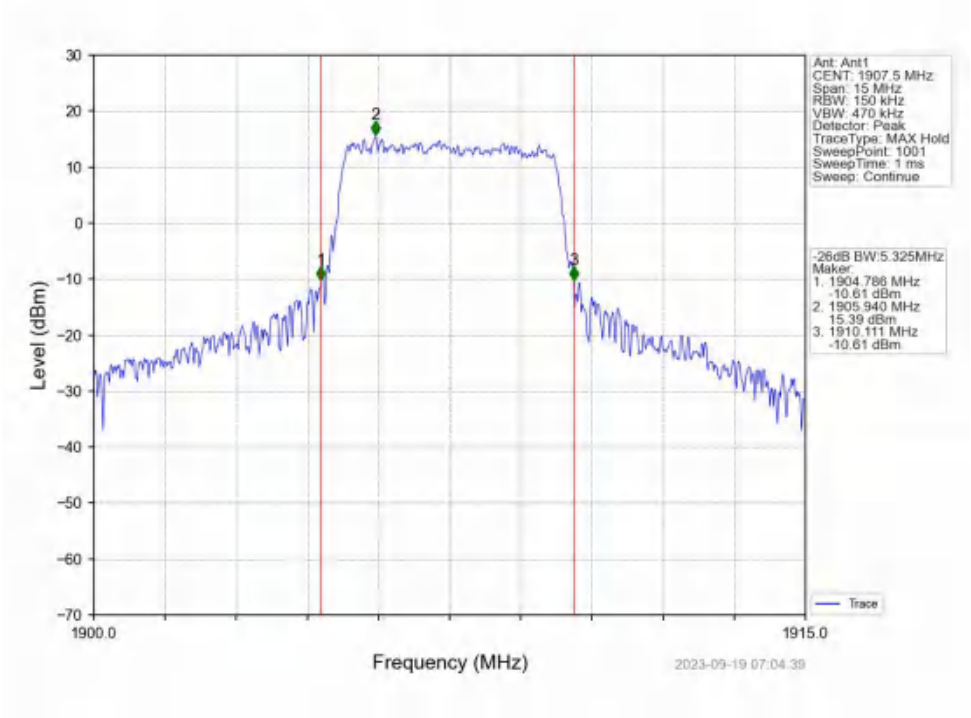
Band2_5MHz_QPSK_LCH_1852.5MHz_RB_25_0_NTNV



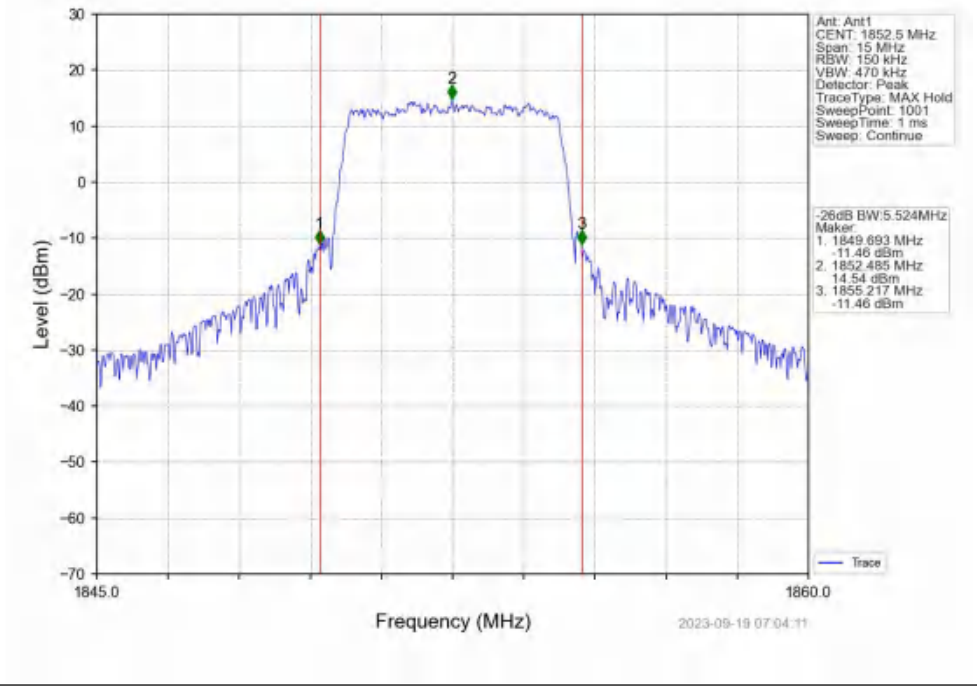

Band2_5MHz_QPSK_MCH_1880MHz_RB_25_0_NTNV



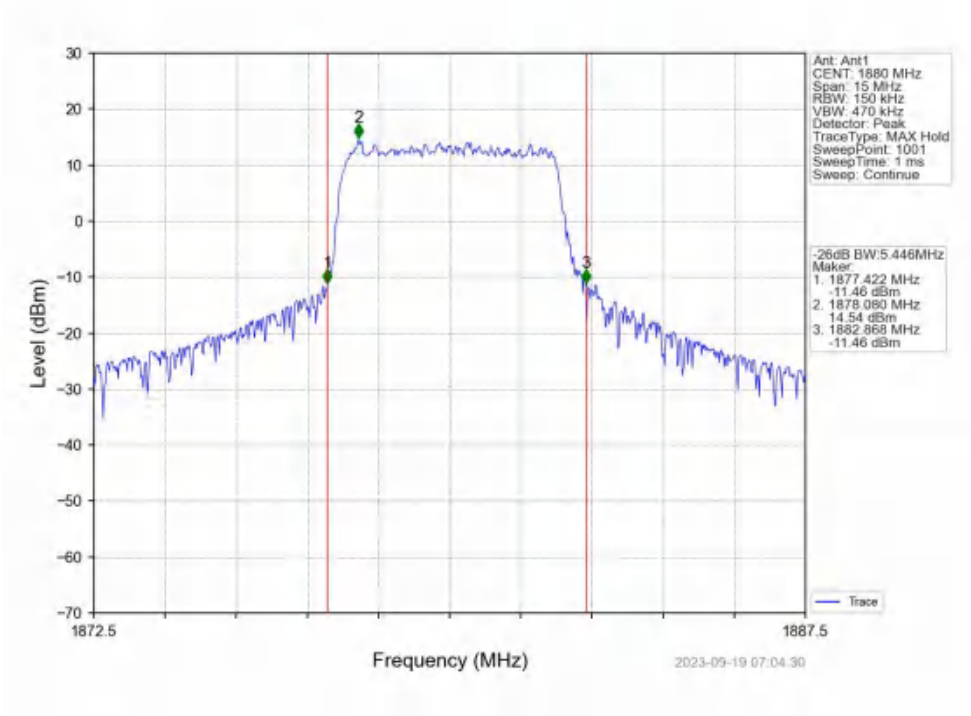
Band2_5MHz_QPSK_HCH_1907.5MHz_RB_25_0_NTNV



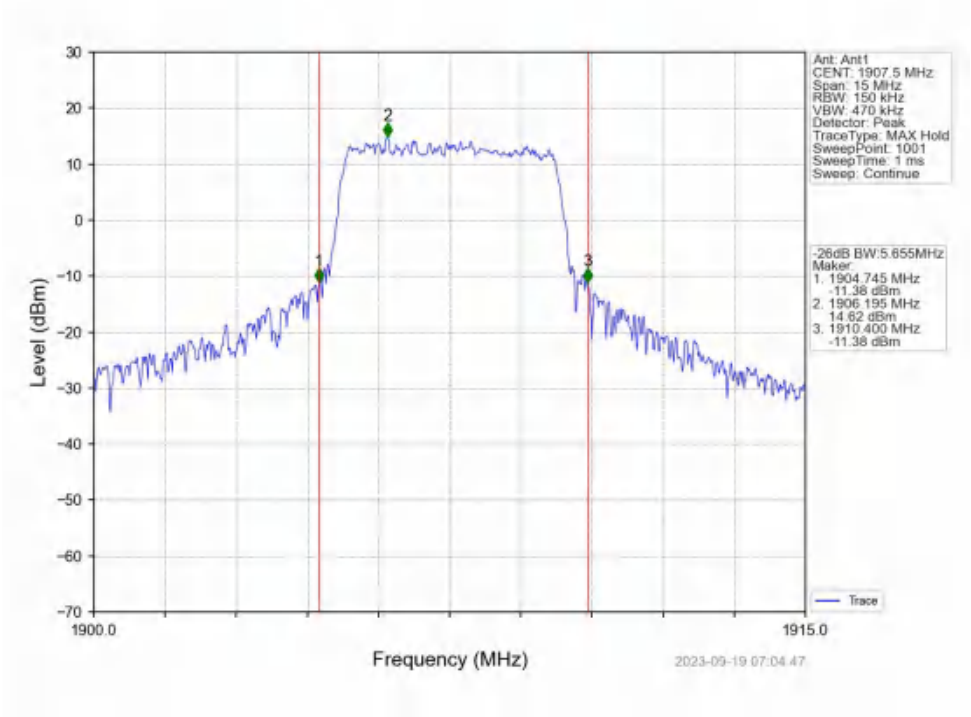

Band2_5MHz_16QAM_LCH_1852.5MHz_RB_25_0_NTNV



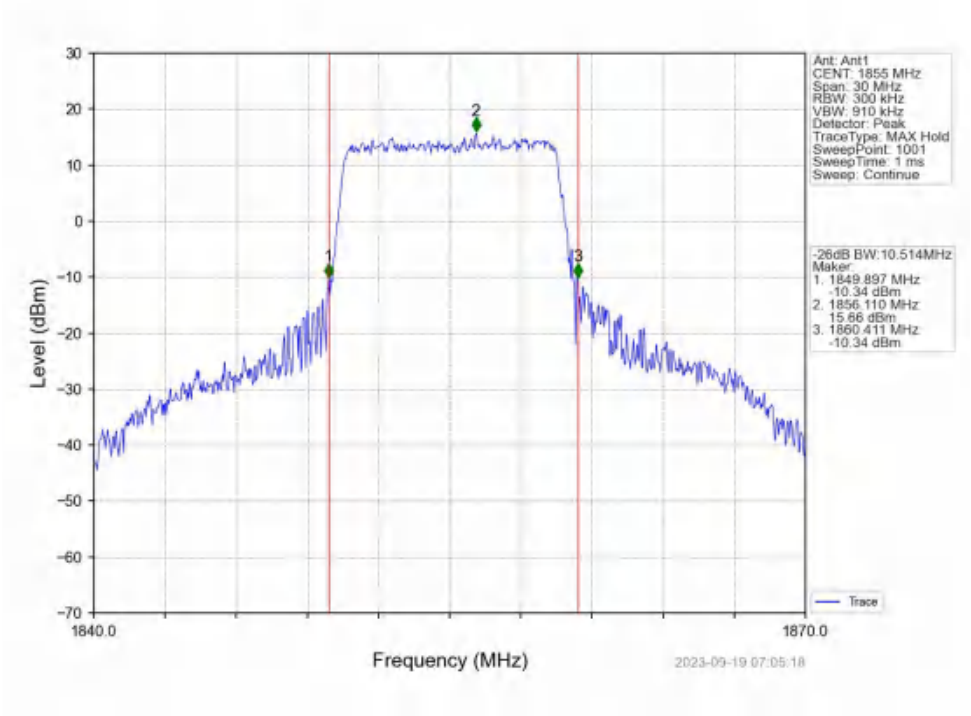
Band2_5MHz_16QAM_MCH_1880MHz_RB_25_0_NTNV



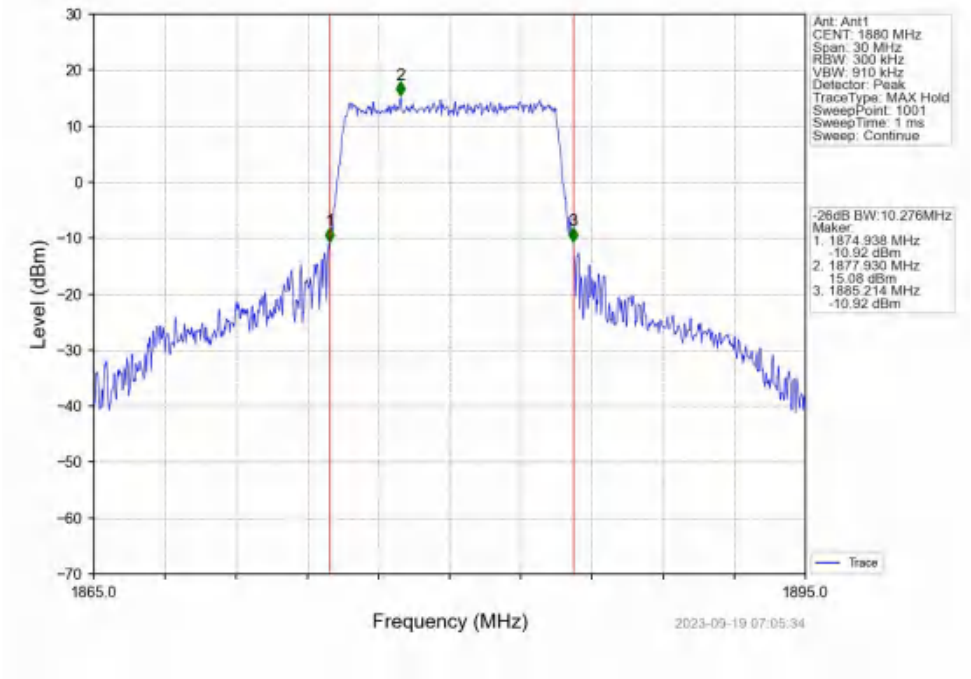

Band2_5MHz_16QAM_HCH_1907.5MHz_RB_25_0_NTNV



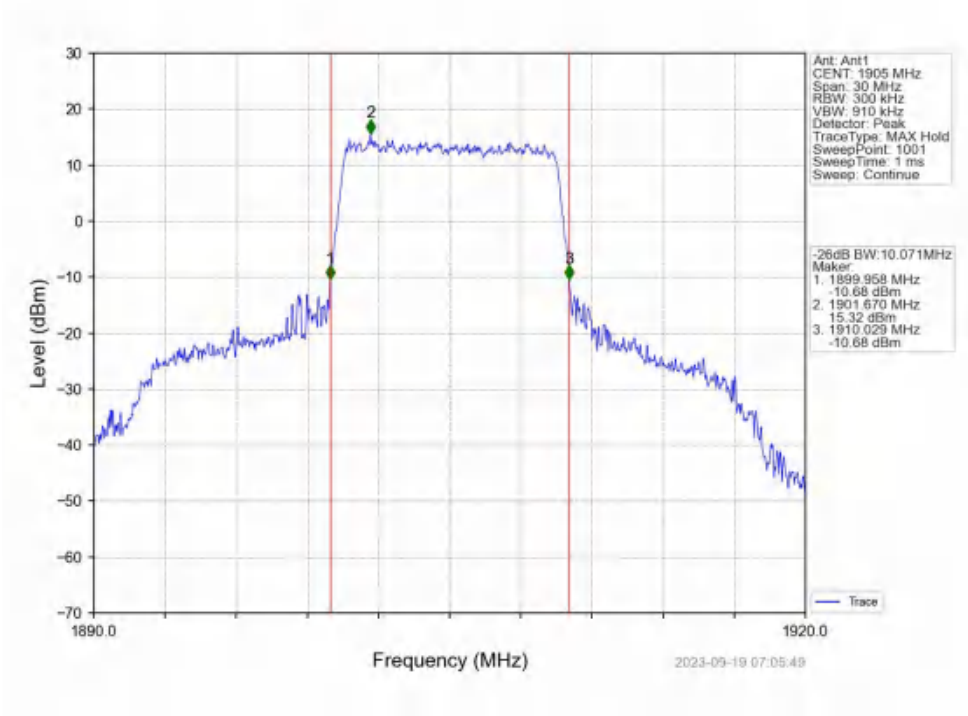
Band2_10MHz_QPSK_LCH_1855MHz_RB_50_0_NTNV



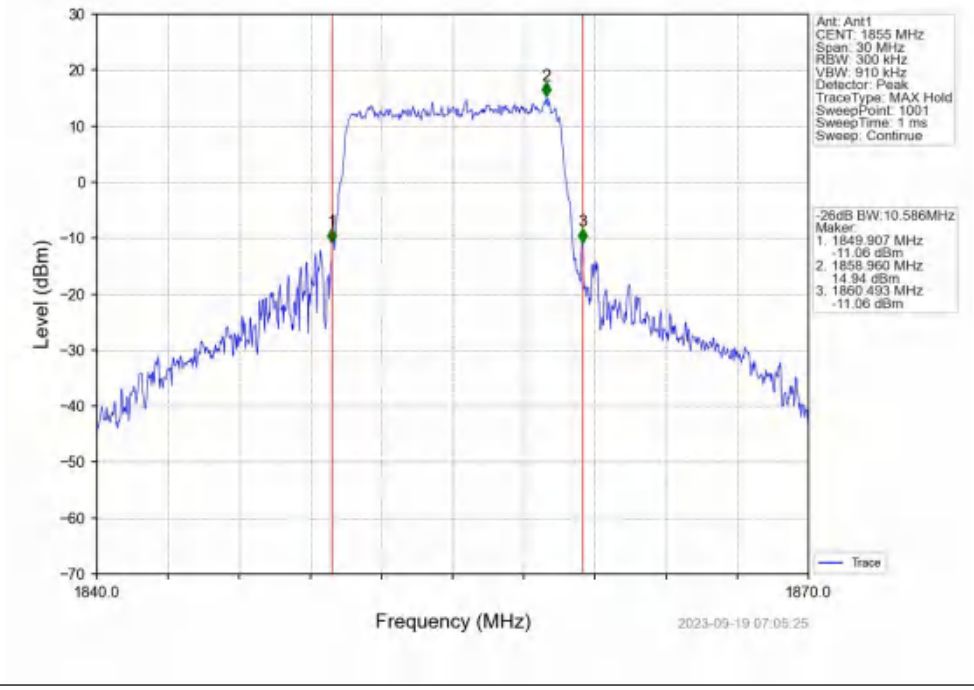

Band2_10MHz_QPSK_MCH_1880MHz_RB_50_0_NTNV



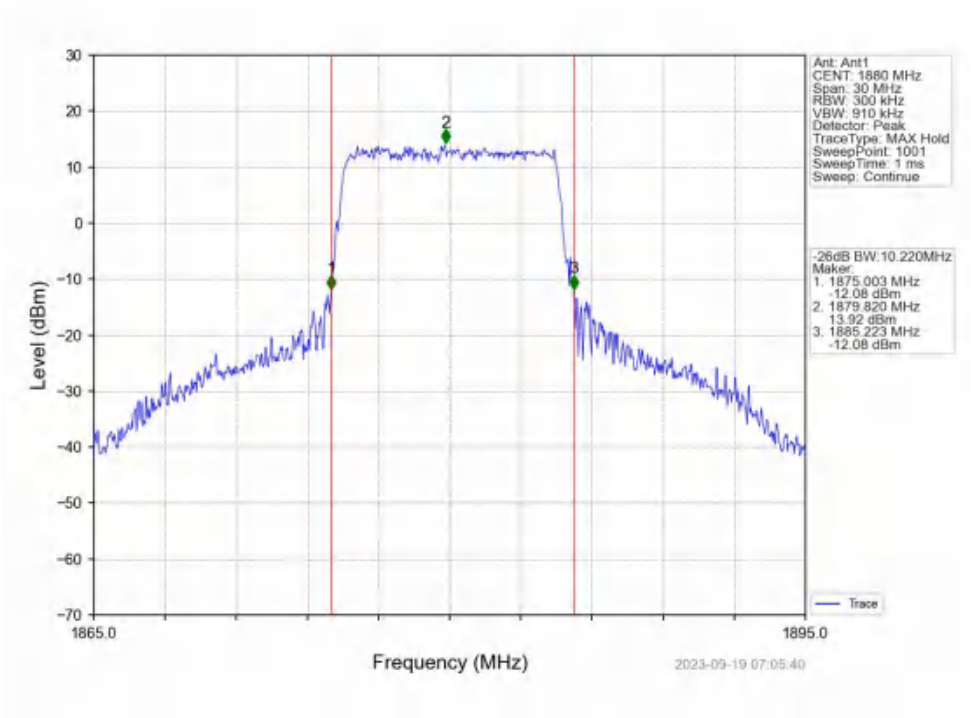
Band2_10MHz_QPSK_HCH_1905MHz_RB_50_0_NTNV



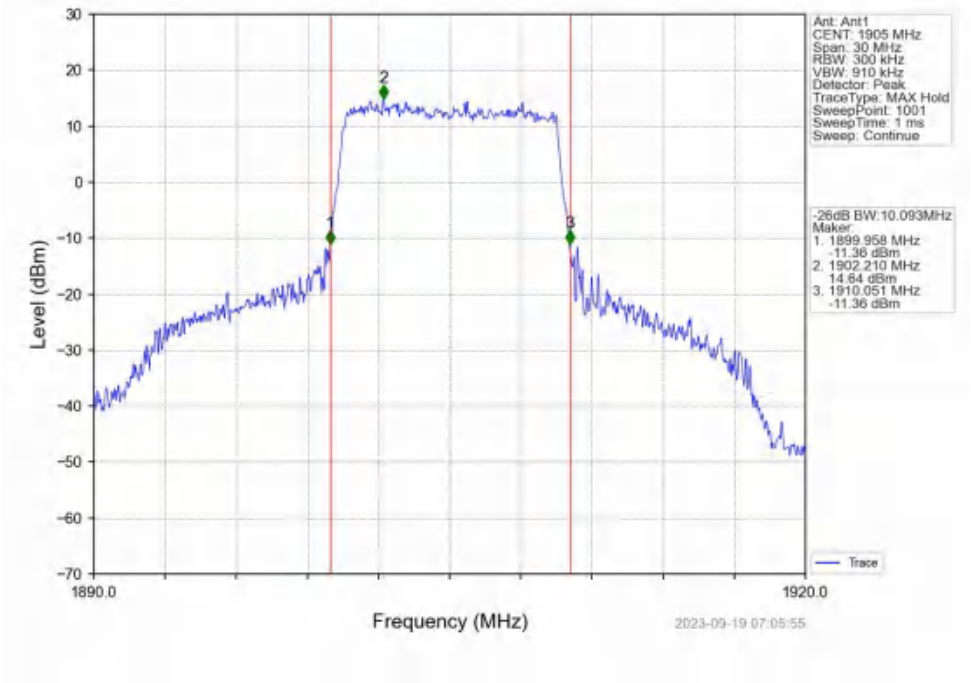

Band2_10MHz_16QAM_LCH_1855MHz_RB_50_0_NTNV



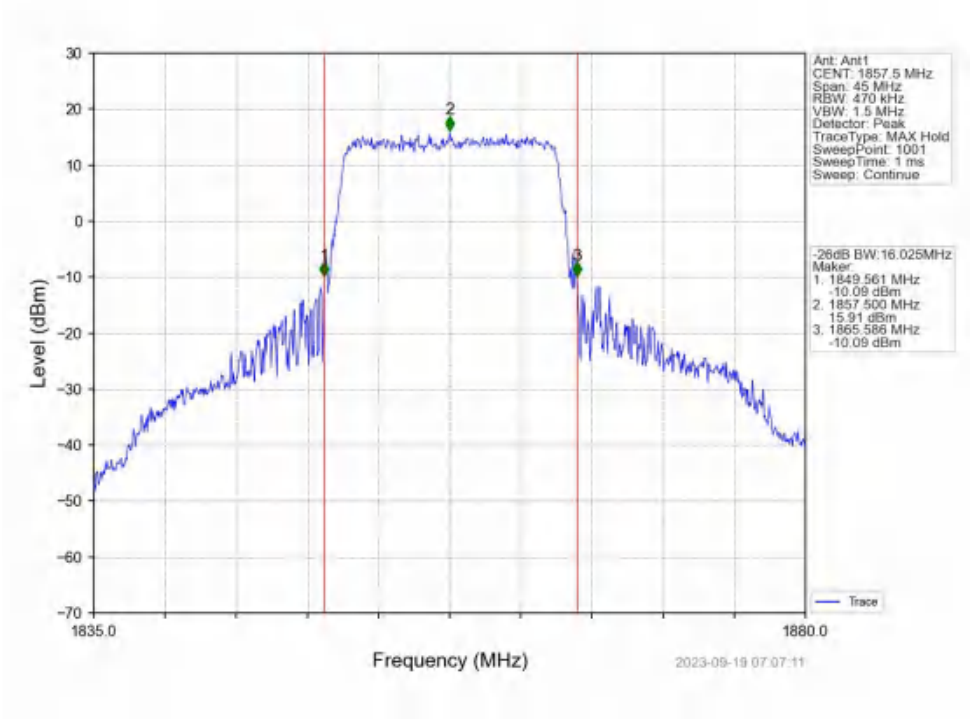
Band2_10MHz_16QAM_MCH_1880MHz_RB_50_0_NTNV



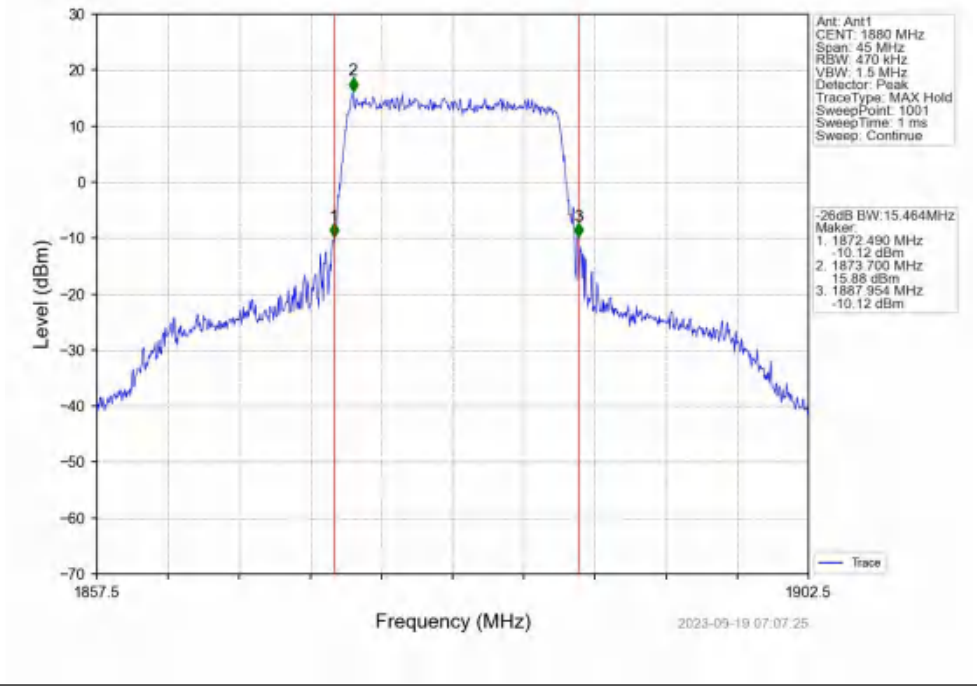

Band2_10MHz_16QAM_HCH_1905MHz_RB_50_0_NTNV



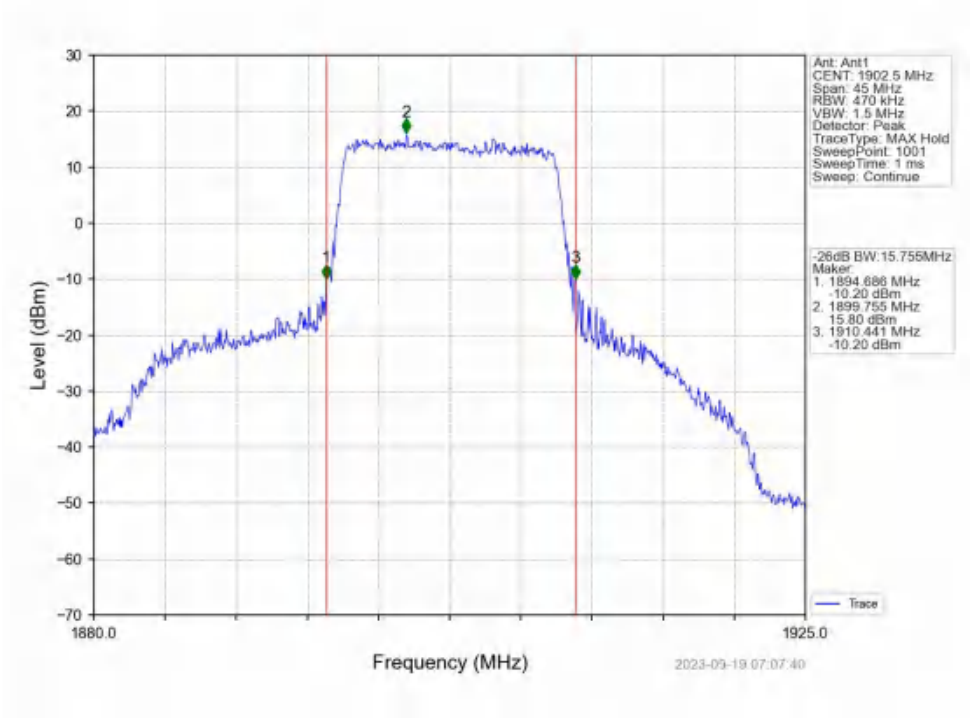
Band2_15MHz_QPSK_LCH_1857.5MHz_RB_75_0_NTNV



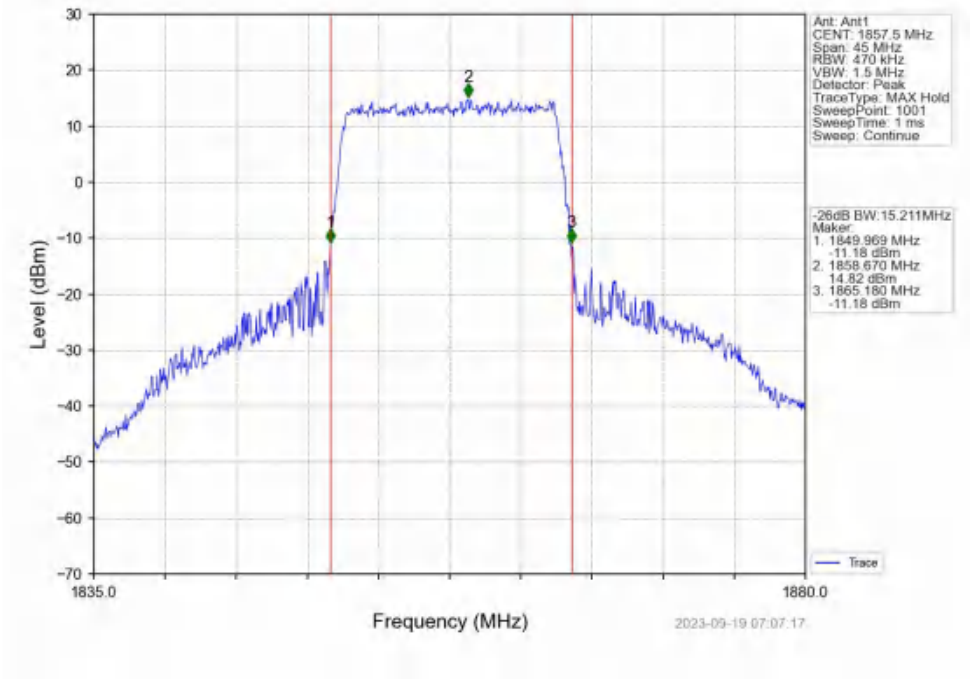

Band2_15MHz_QPSK_MCH_1880MHz_RB_75_0_NTNV



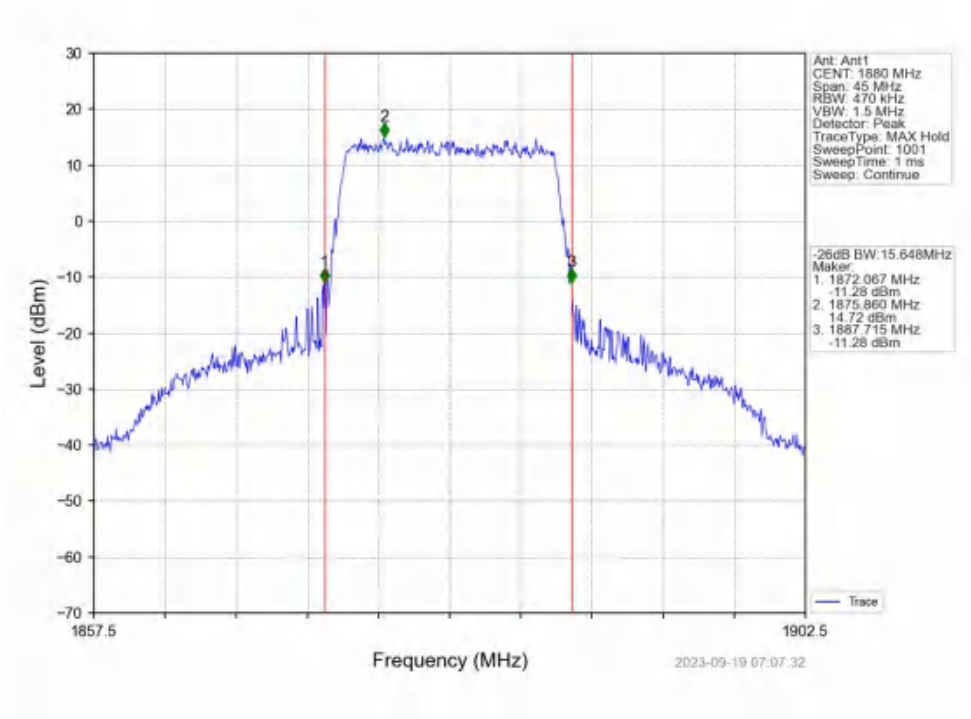
Band2_15MHz_QPSK_HCH_1902.5MHz_RB_75_0_NTNV



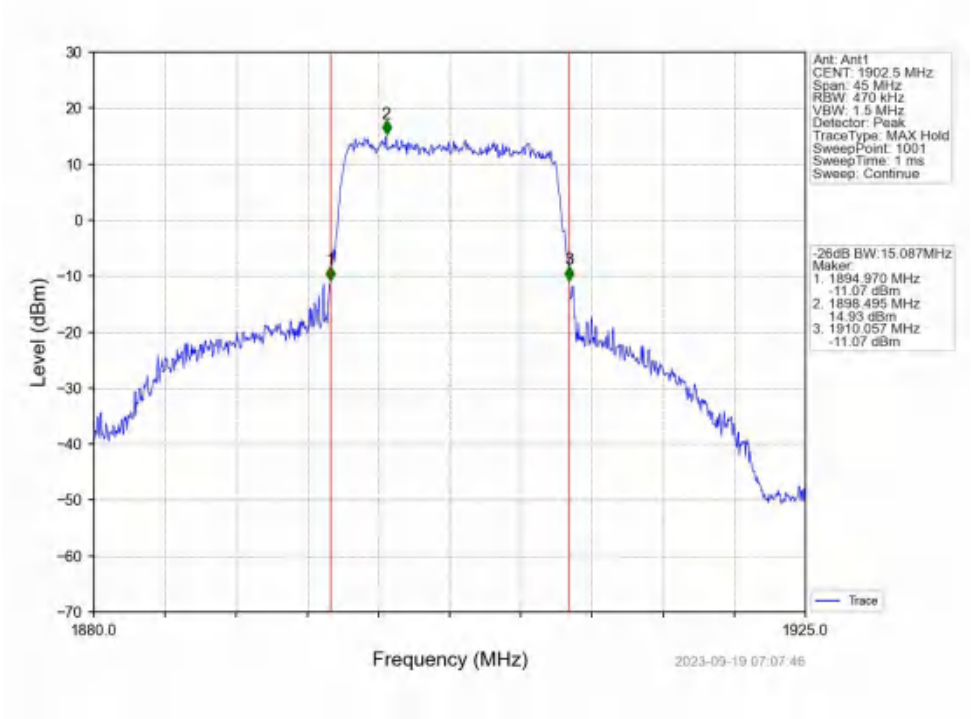

Band2_15MHz_16QAM_LCH_1857.5MHz_RB_75_0_NTNV



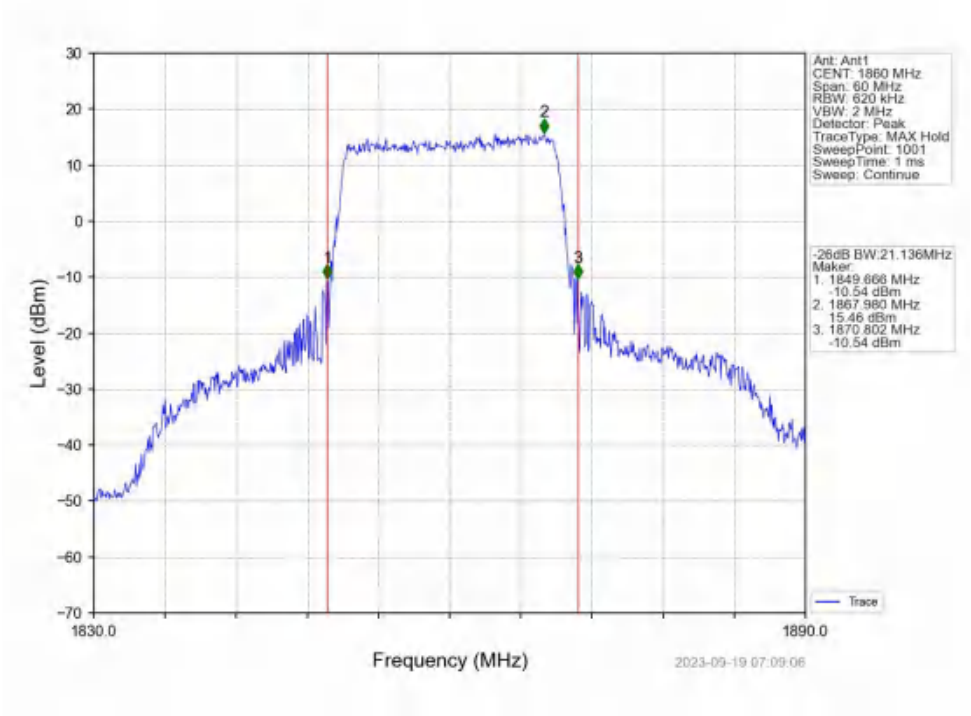
Band2_15MHz_16QAM_MCH_1880MHz_RB_75_0_NTNV



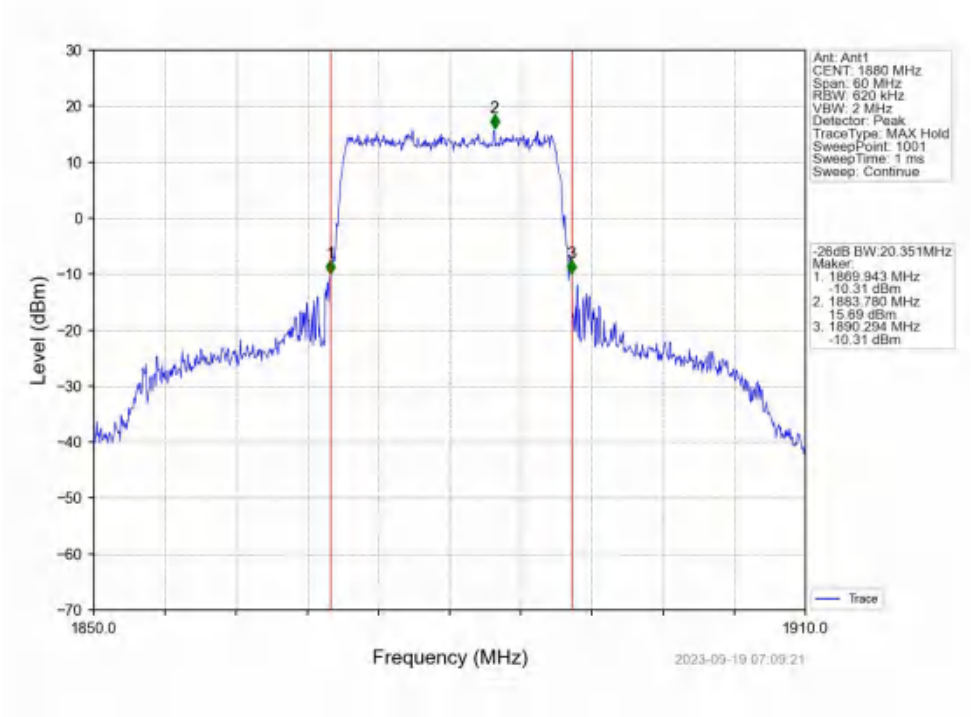

Band2_15MHz_16QAM_HCH_1902.5MHz_RB_75_0_NTNV



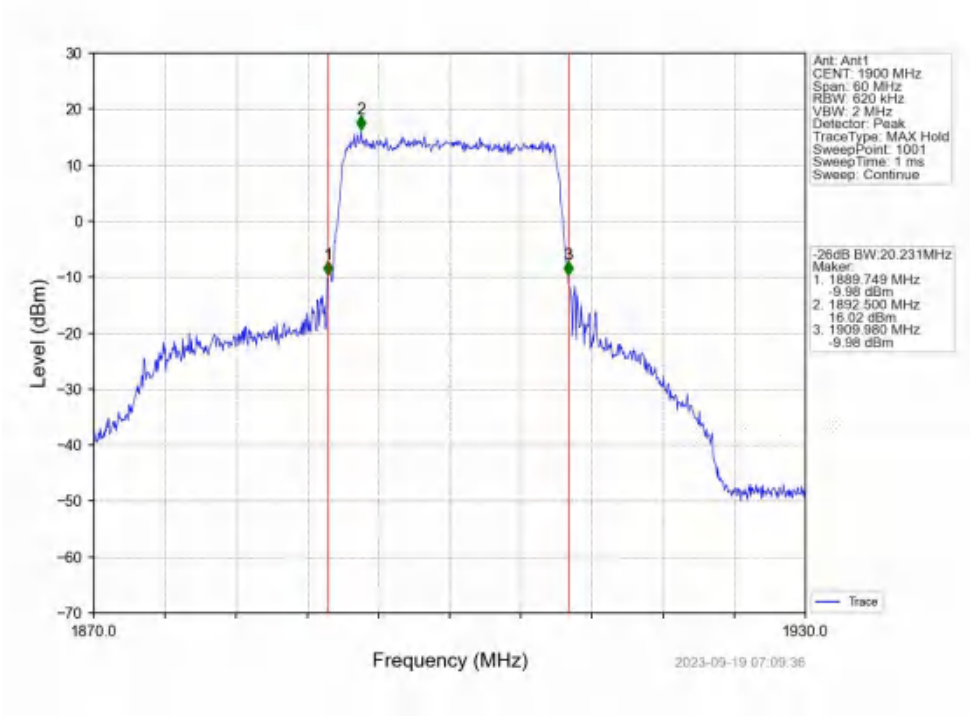
Band2_20MHz_QPSK_LCH_1860MHz_RB_100_0_NTNV



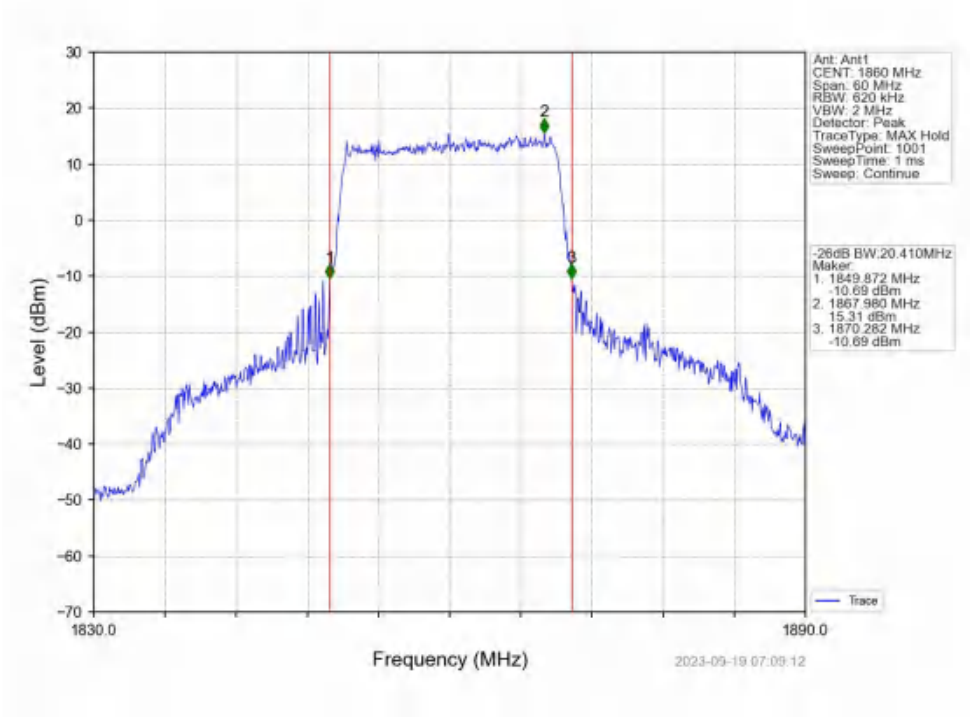

Band2_20MHz_QPSK_MCH_1880MHz_RB_100_0_NTNV

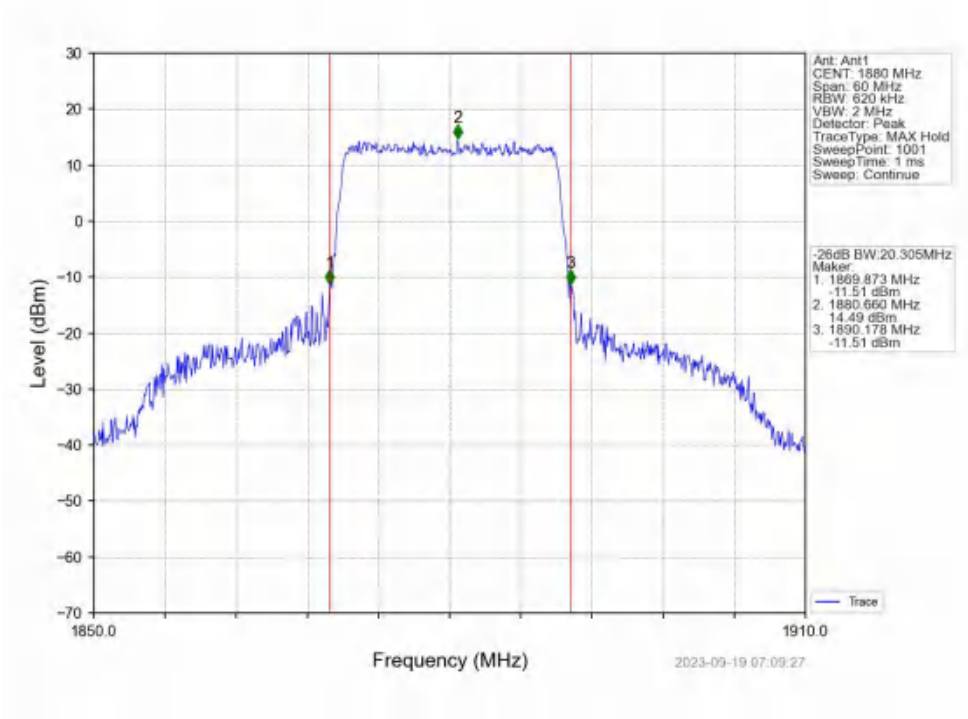
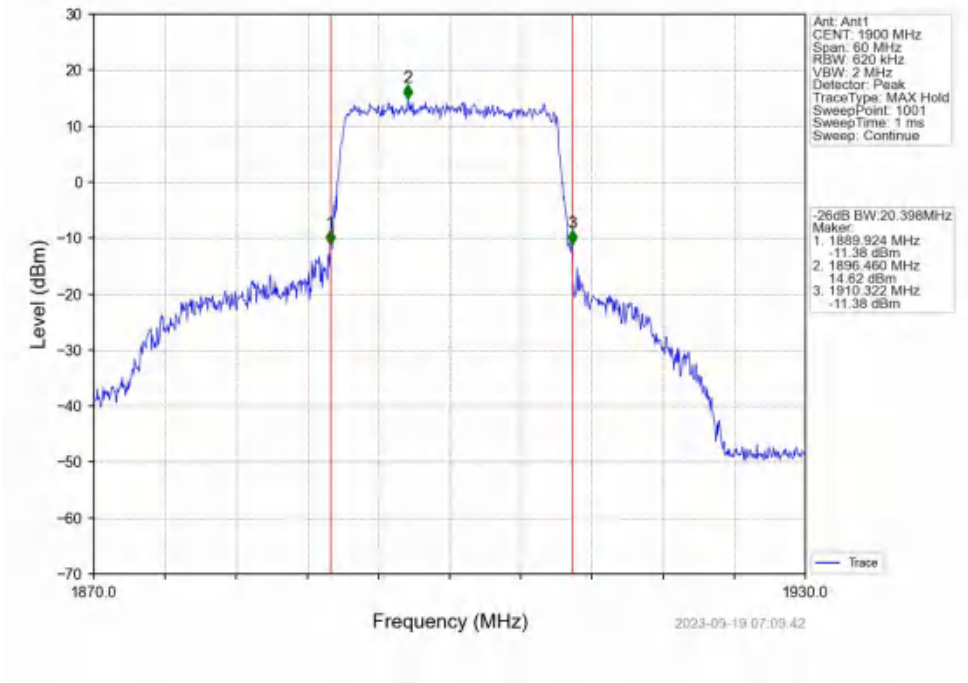


Band2_20MHz_QPSK_HCH_1900MHz_RB_100_0_NTNV




Band2_20MHz_16QAM_LCH_1860MHz_RB_100_0_NTNV



| Band2_20MHz_16QAM_MCH_1880MHz_RB_100_0_NTNV |
| --- |
|  |
| Band2_20MHz_16QAM_HCH_1900MHz_RB_100_0_NTNV |
|  |

# 5. Peak-Average Ratio

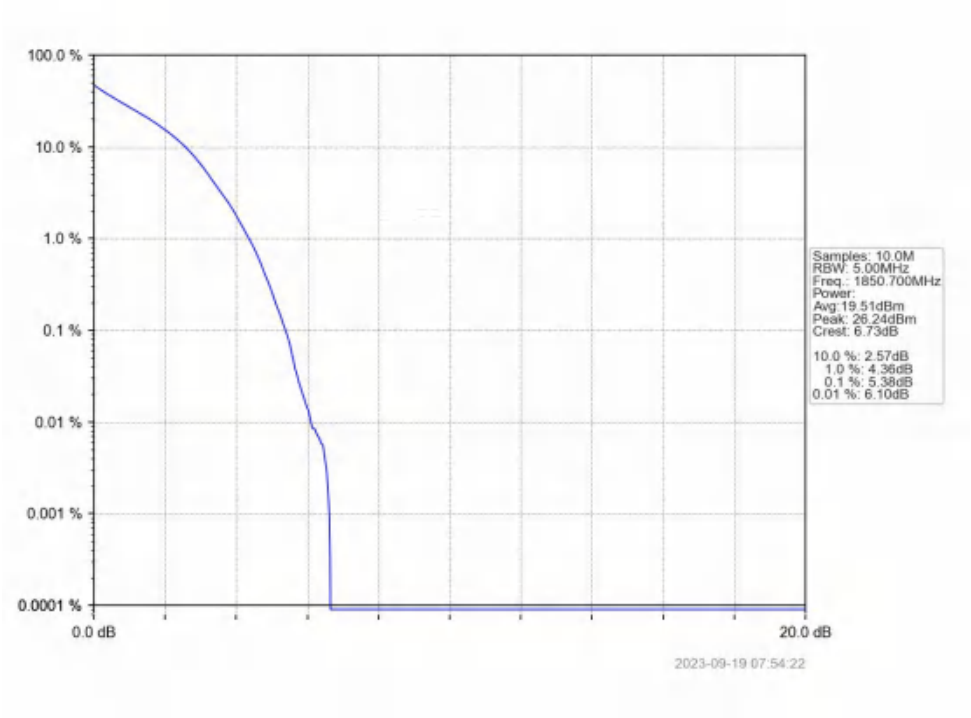
## 5.1 B2_1.4MHz

### 5.1.1 Test Result

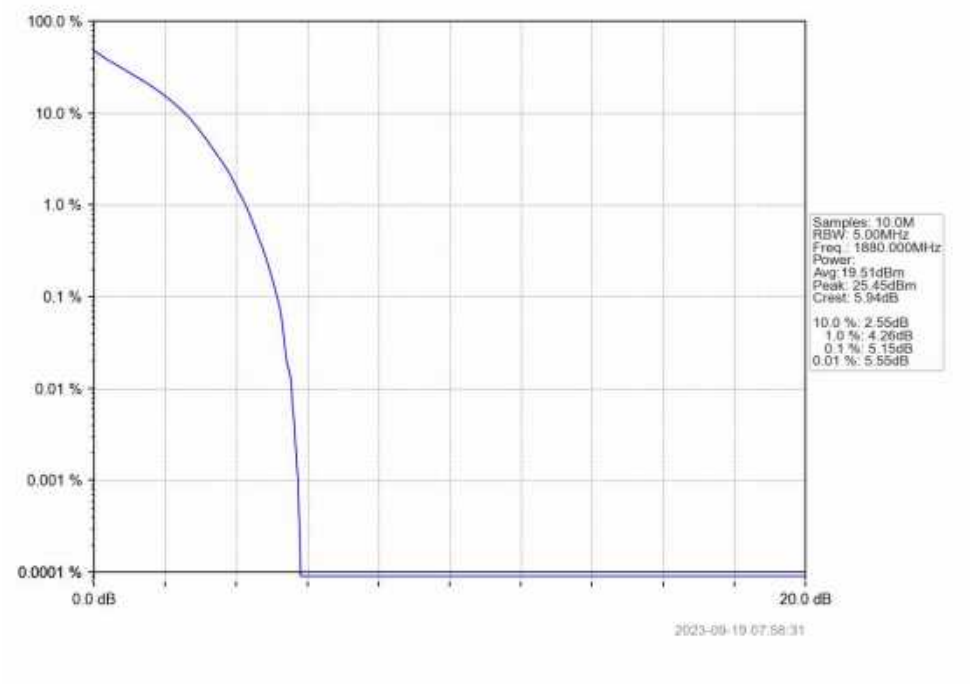
| Band: 2 / Bandwidth: 1.4MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Peak-Average Ratio (dB) | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 1850.7 | 6 | 0 | 5.38 | <=13 | Pass |
| | 1880 | 6 | 0 | 5.15 | <=13 | Pass |
| | 1909.3 | 6 | 0 | 4.66 | <=13 | Pass |
| 16QAM | 1850.7 | 6 | 0 | 6.07 | <=13 | Pass |
| | 1880 | 6 | 0 | 5.86 | <=13 | Pass |
| | 1909.3 | 6 | 0 | 5.42 | <=13 | Pass |

## 5.1.2 Test Graph

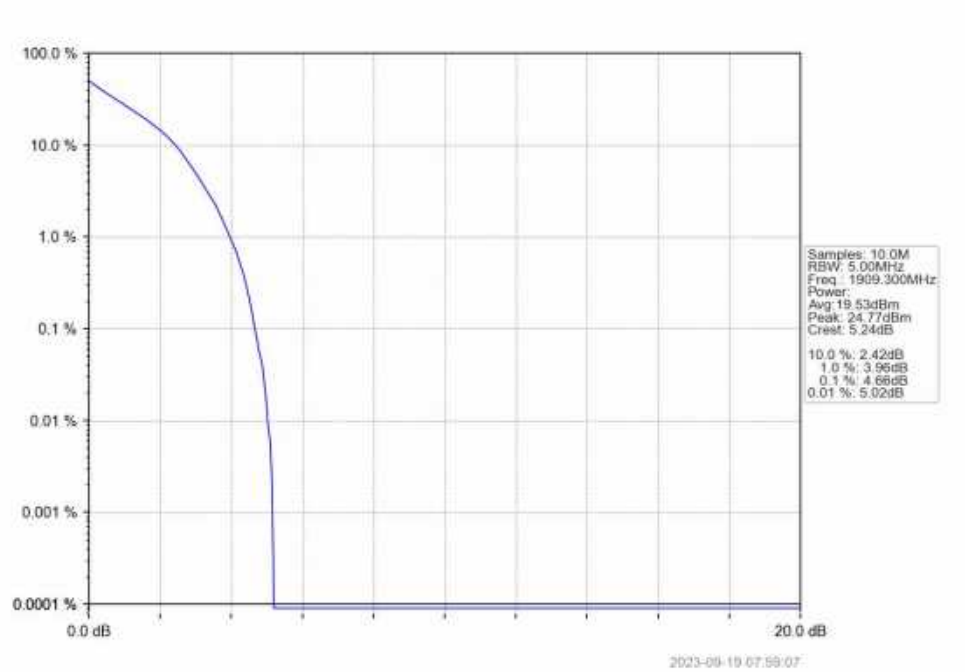
Band2_1.4MHz_QPSK_LCH_1850.7MHz_RB_6_0_NTNV



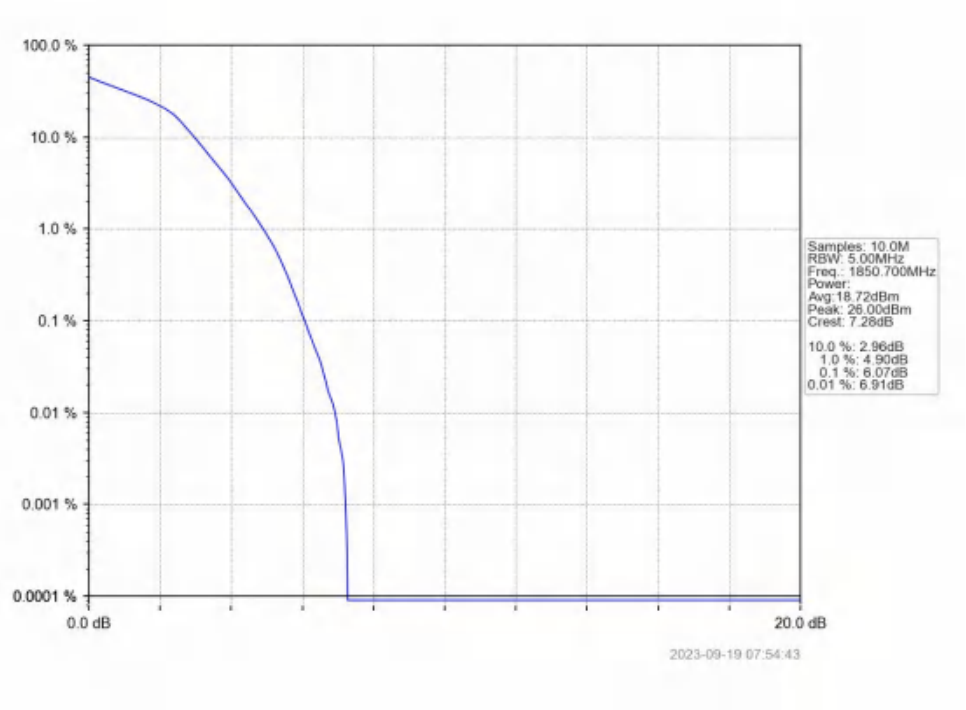

Band2_1.4MHz_QPSK_MCH_1880MHz_RB_6_0_NTNV



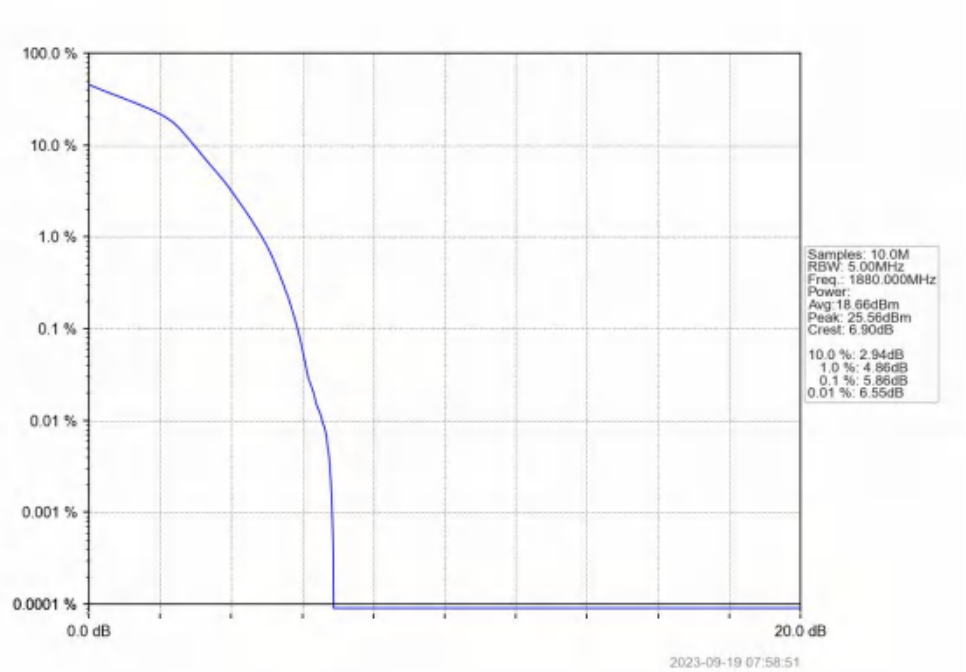
Band2_1.4MHz_QPSK_HCH_1909.3MHz_RB_6_0_NTNV



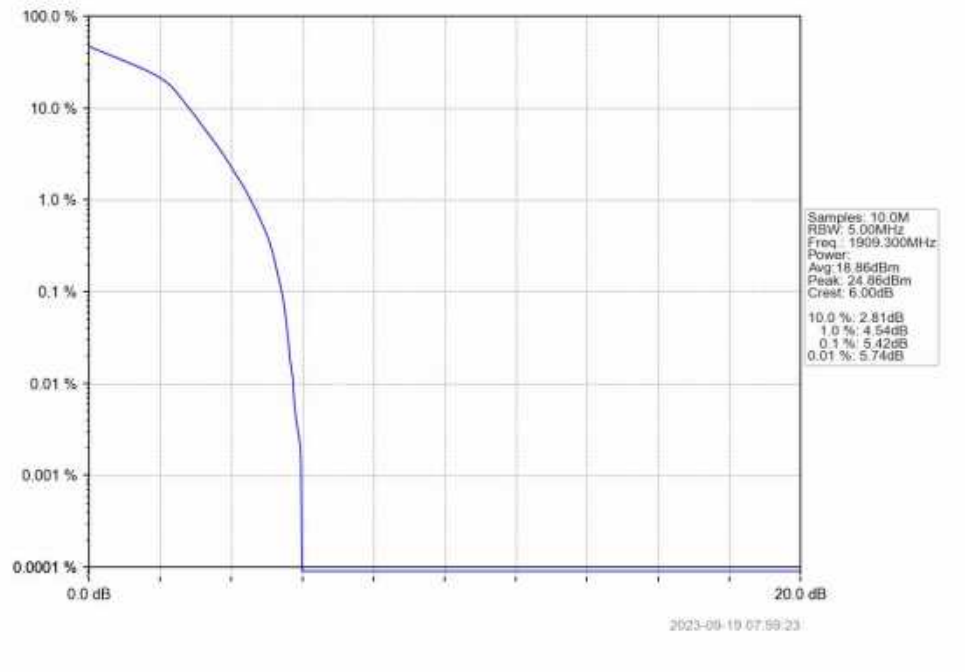

Band2_1.4MHz_16QAM_LCH_1850.7MHz_RB_6_0_NTNV



Band2_1.4MHz_16QAM_MCH_1880MHz_RB_6_0_NTNV




Band2_1.4MHz_16QAM_HCH_1909.3MHz_RB_6_0_NTNV



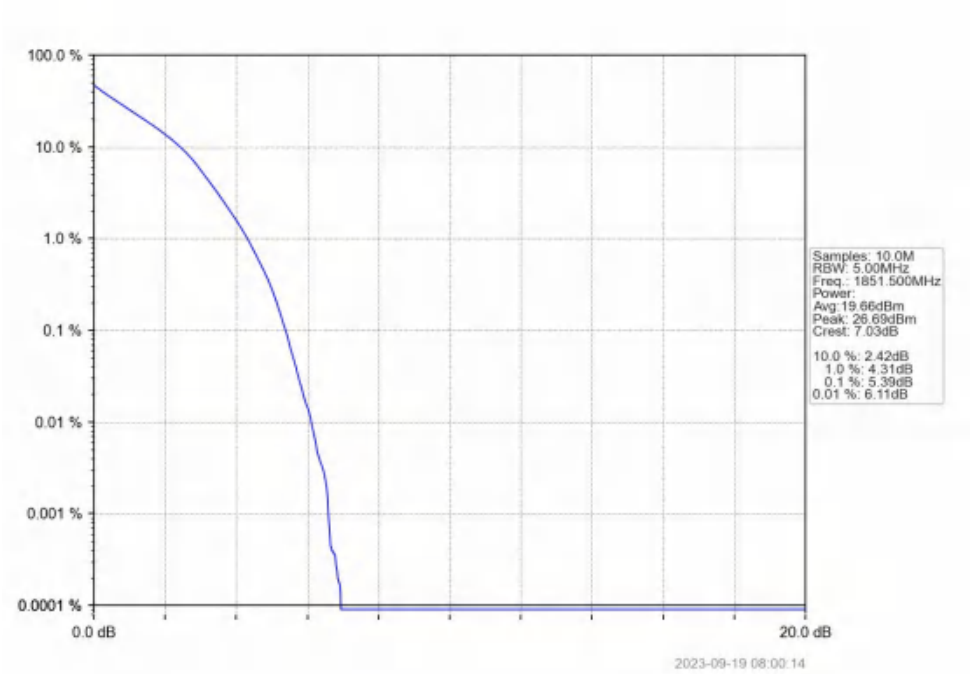
## 5.2 B2_3MHz

### 5.2.1 Test Result

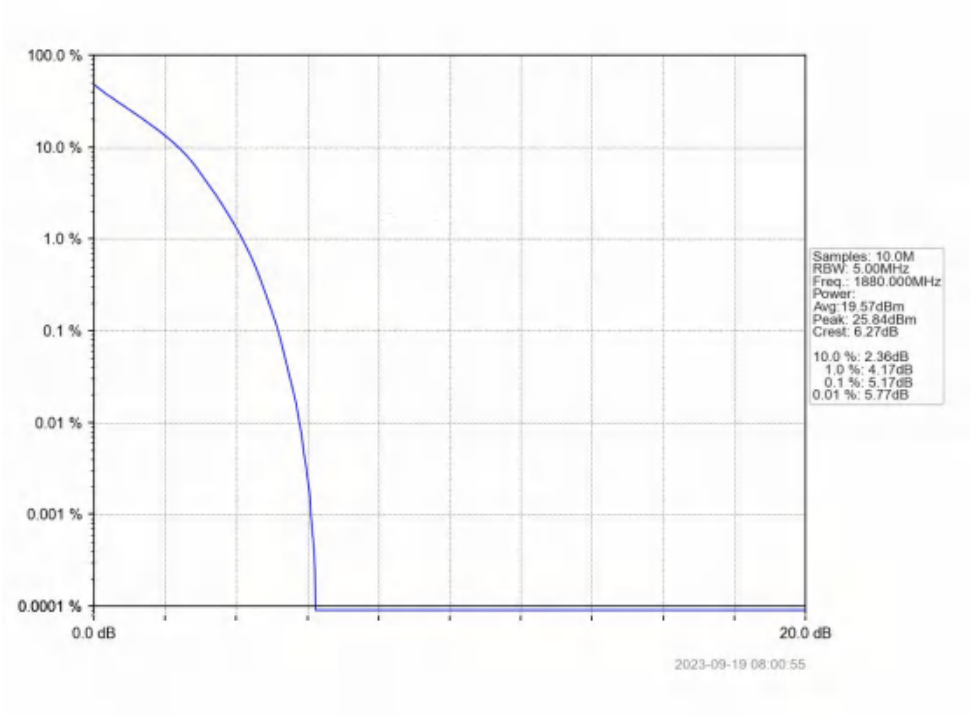
| Band: 2 / Bandwidth: 3MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Peak-Average Ratio (dB) | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 1851.5 | 15 | 0 | 5.39 | <=13 | Pass |
| | 1880 | 15 | 0 | 5.17 | <=13 | Pass |
| | 1908.5 | 15 | 0 | 4.99 | <=13 | Pass |
| 16QAM | 1851.5 | 15 | 0 | 6.13 | <=13 | Pass |
| | 1880 | 15 | 0 | 5.92 | <=13 | Pass |
| | 1908.5 | 15 | 0 | 5.70 | <=13 | Pass |

## 5.2.2 Test Graph

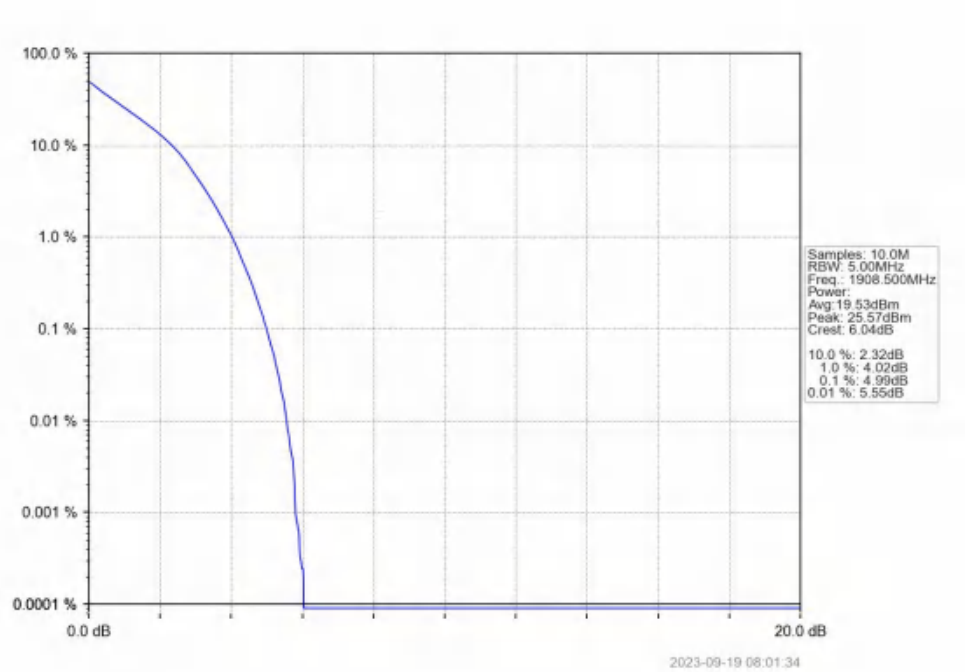
Band2_3MHz_QPSK_LCH_1851.5MHz_RB_15_0_NTNV



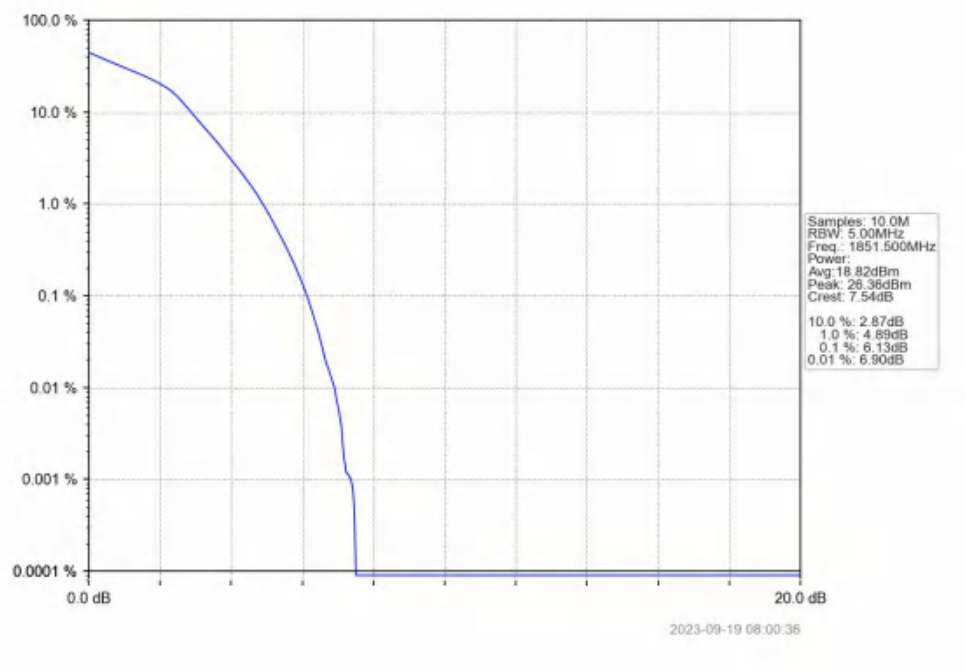

Band2_3MHz_QPSK_MCH_1880MHz_RB_15_0_NTNV



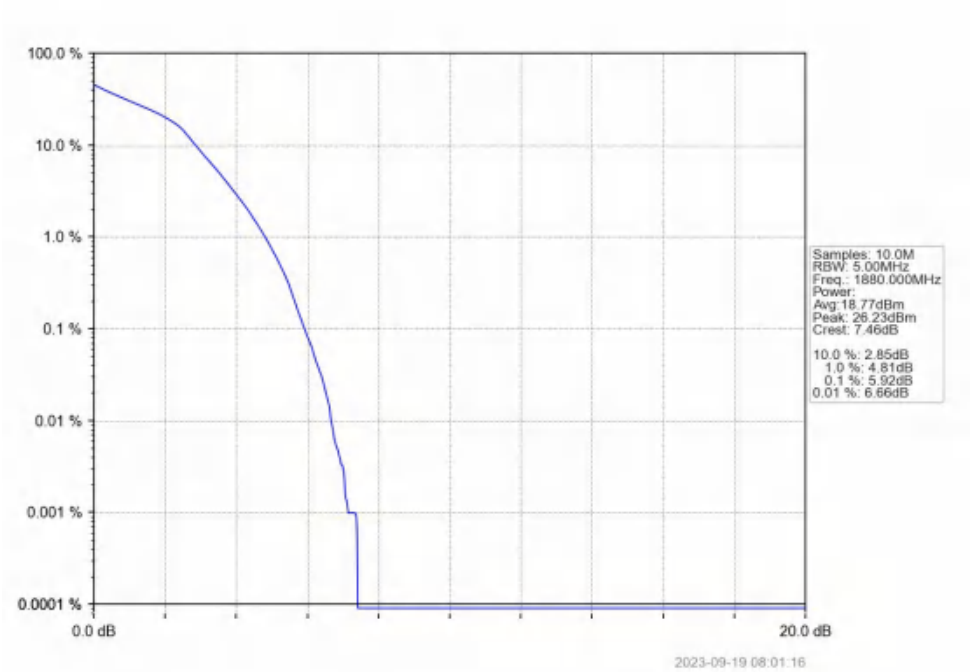
Band2_3MHz_QPSK_HCH_1908.5MHz_RB_15_0_NTNV



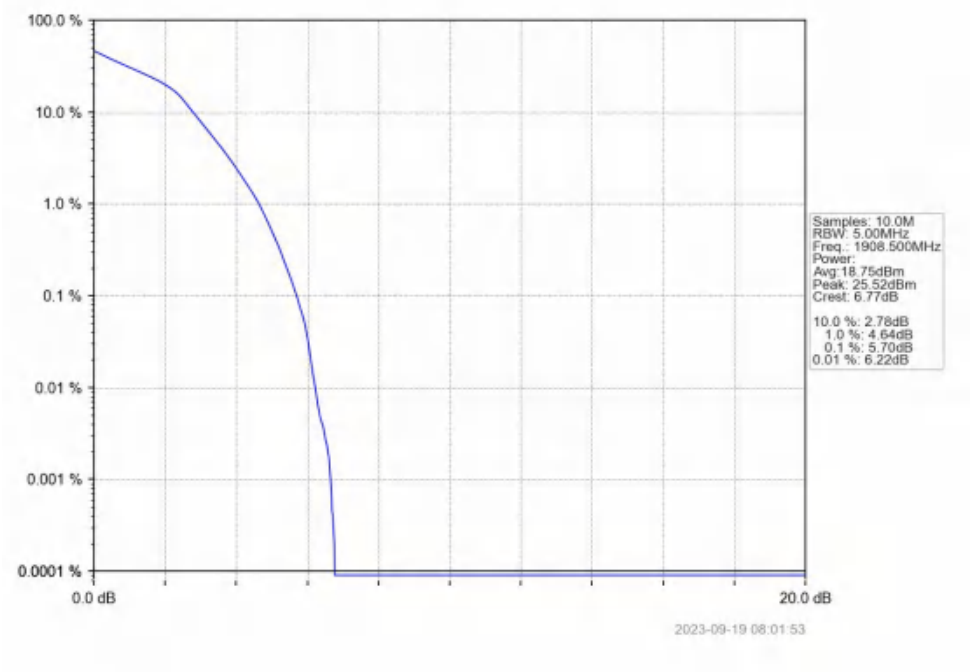

Band2_3MHz_16QAM_LCH_1851.5MHz_RB_15_0_NTNV



Band2_3MHz_16QAM_MCH_1880MHz_RB_15_0_NTNV




Band2_3MHz_16QAM_HCH_1908.5MHz_RB_15_0_NTNV



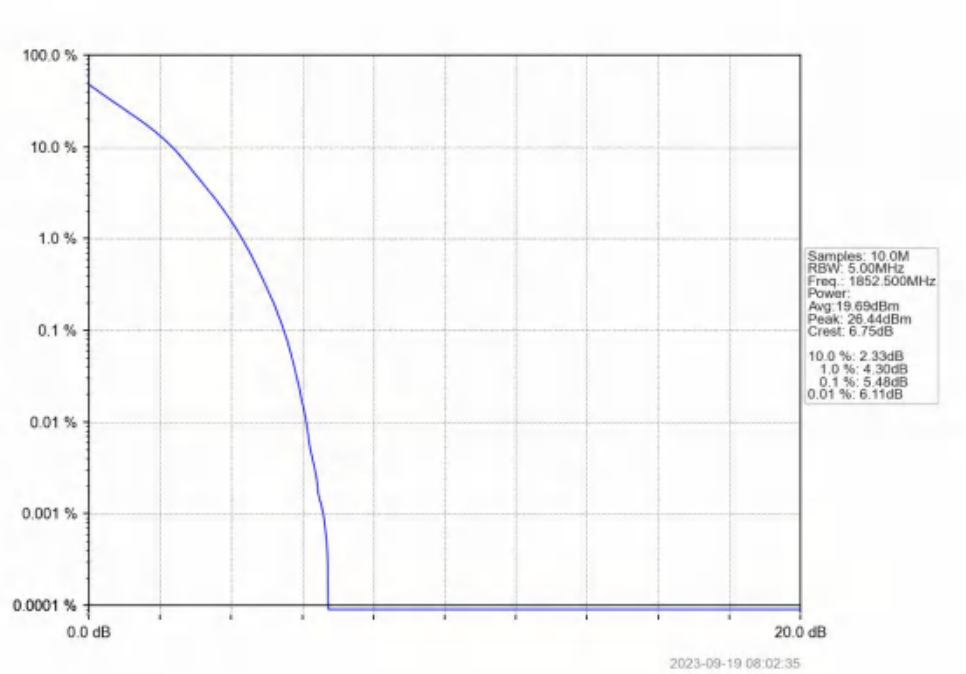
## 5.3 B2_5MHz

### 5.3.1 Test Result

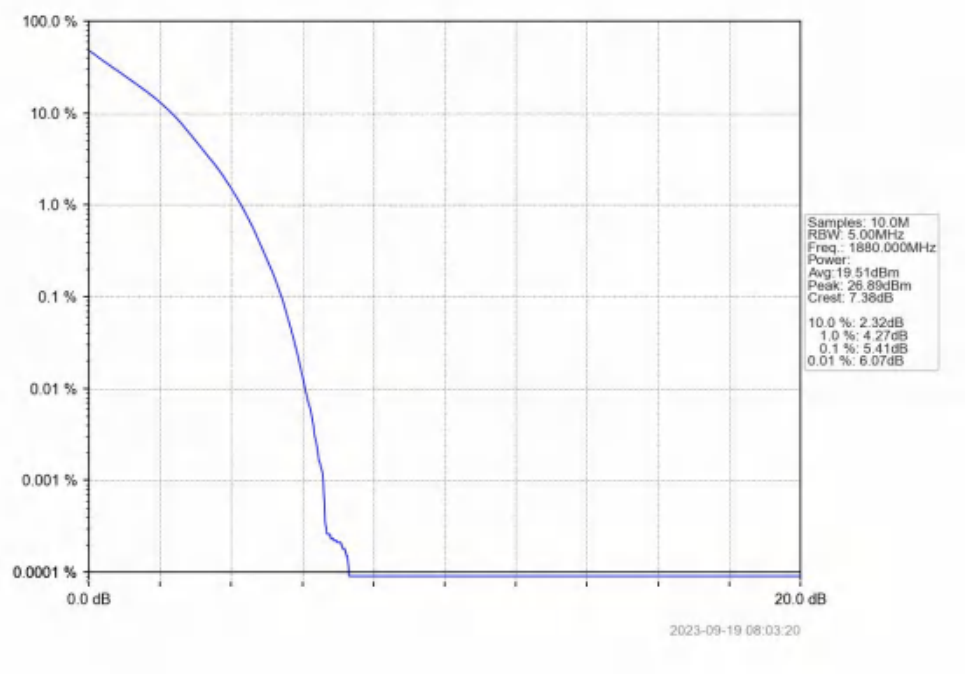
| Band: 2 / Bandwidth: 5MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Peak-Average Ratio (dB) | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 1852.5 | 25 | 0 | 5.48 | <=13 | Pass |
| | 1880 | 25 | 0 | 5.41 | <=13 | Pass |
| | 1907.5 | 25 | 0 | 5.26 | <=13 | Pass |
| 16QAM | 1852.5 | 25 | 0 | 6.18 | <=13 | Pass |
| | 1880 | 25 | 0 | 6.03 | <=13 | Pass |
| | 1907.5 | 25 | 0 | 5.88 | <=13 | Pass |

## 5.3.2 Test Graph

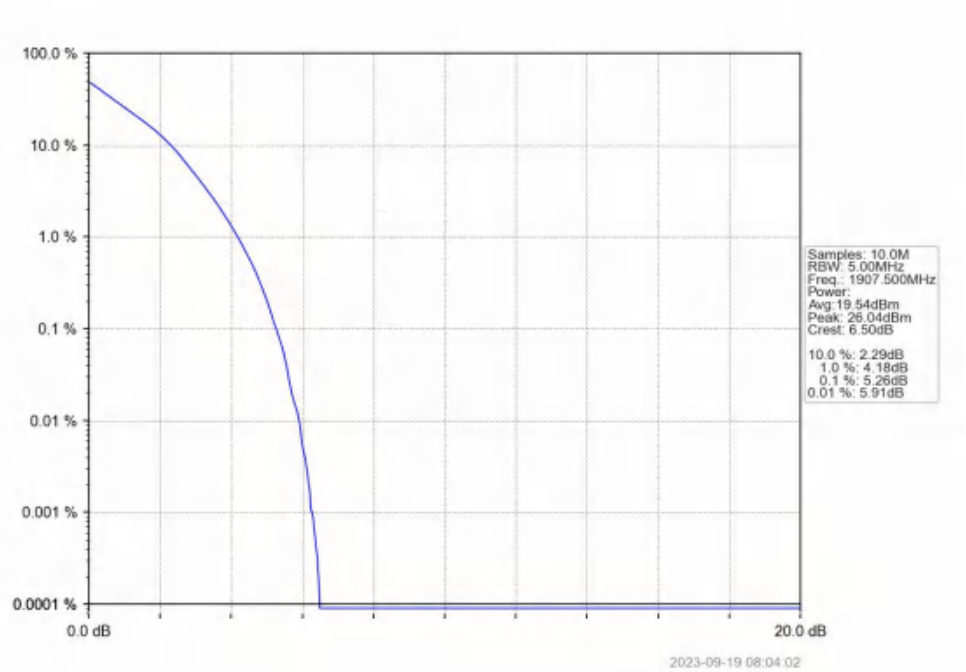
Band2_5MHz_QPSK_LCH_1852.5MHz_RB_25_0_NTNV



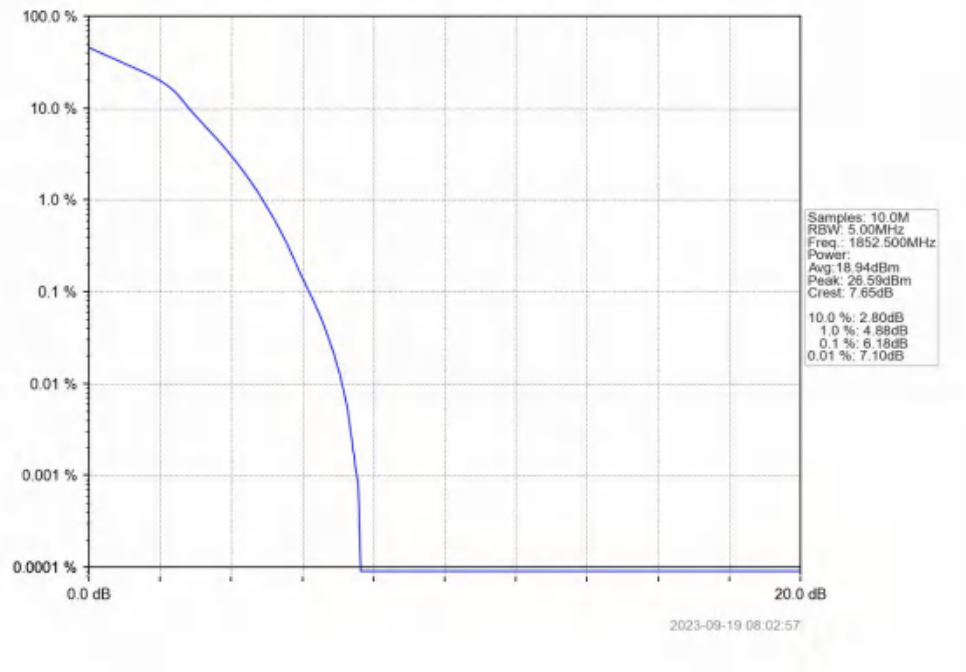

Band2_5MHz_QPSK_MCH_1880MHz_RB_25_0_NTNV



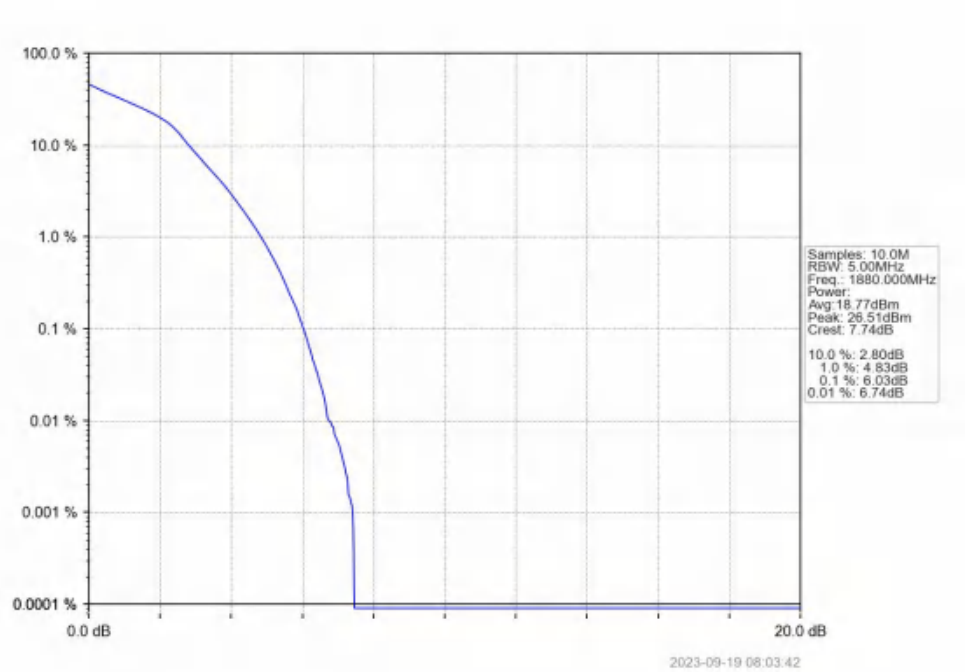
Band2_5MHz_QPSK_HCH_1907.5MHz_RB_25_0_NTNV



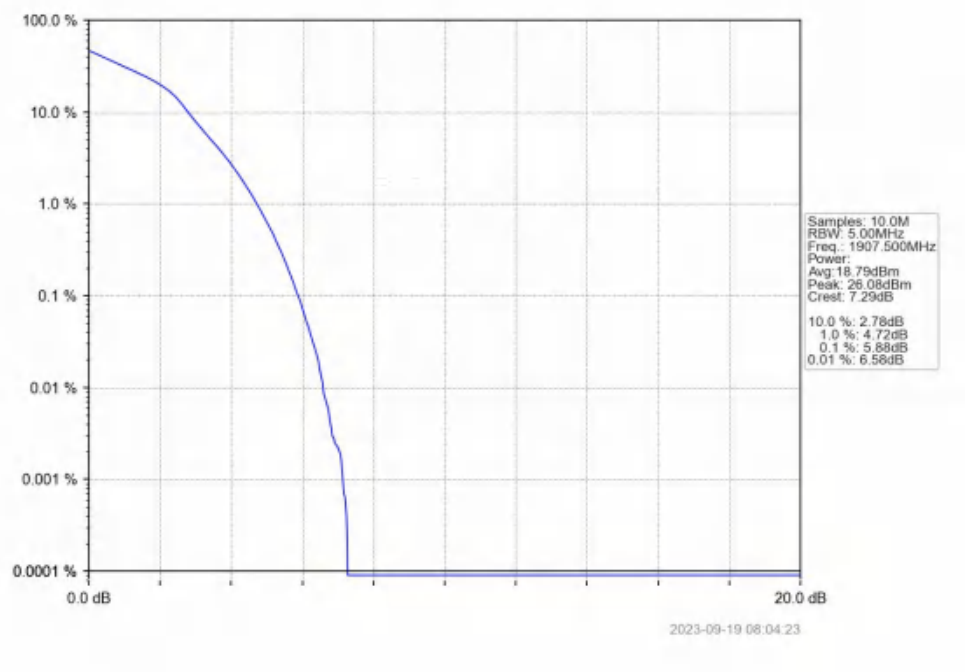

Band2_5MHz_16QAM_LCH_1852.5MHz_RB_25_0_NTNV



Band2_5MHz_16QAM_MCH_1880MHz_RB_25_0_NTNV




Band2_5MHz_16QAM_HCH_1907.5MHz_RB_25_0_NTNV



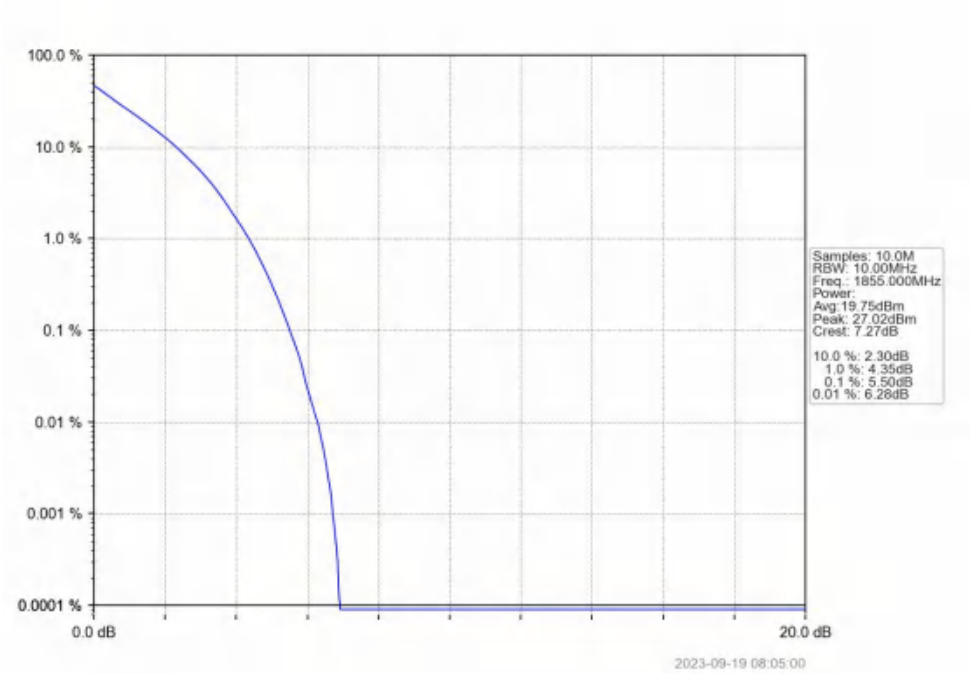
## 5.4 B2_10MHz

### 5.4.1 Test Result

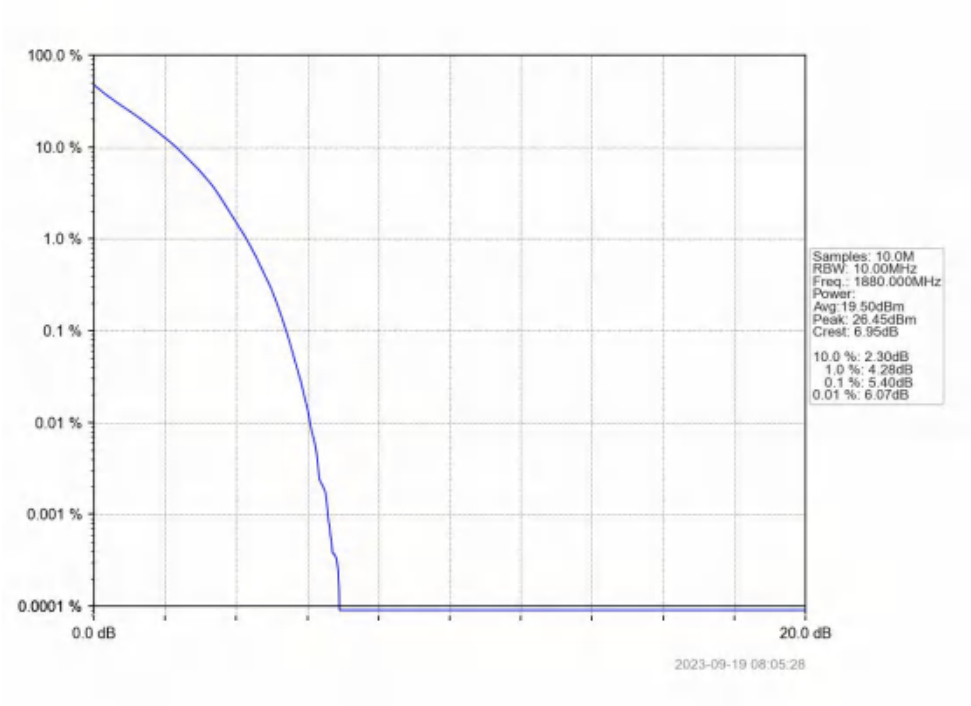
| Band: 2 / Bandwidth: 10MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Peak-Average Ratio (dB) | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 1855 | 50 | 0 | 5.50 | <=13 | Pass |
| | 1880 | 50 | 0 | 5.40 | <=13 | Pass |
| | 1905 | 50 | 0 | 5.25 | <=13 | Pass |
| 16QAM | 1855 | 50 | 0 | 6.23 | <=13 | Pass |
| | 1880 | 50 | 0 | 6.09 | <=13 | Pass |
| | 1905 | 50 | 0 | 5.90 | <=13 | Pass |

## 5.4.2 Test Graph

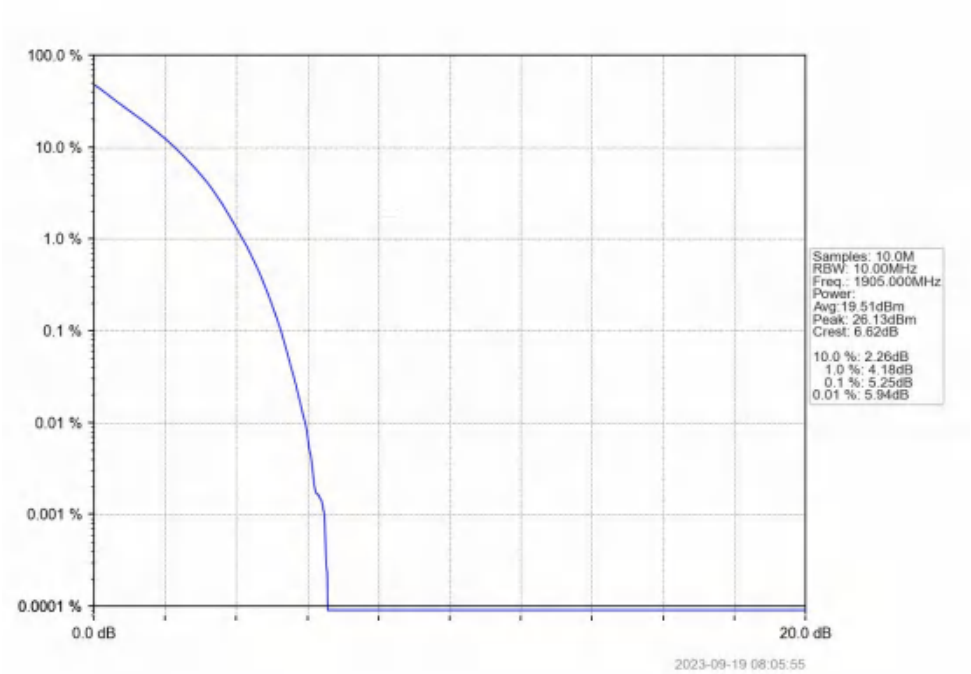
Band2_10MHz_QPSK_LCH_1855MHz_RB_50_0_NTNV



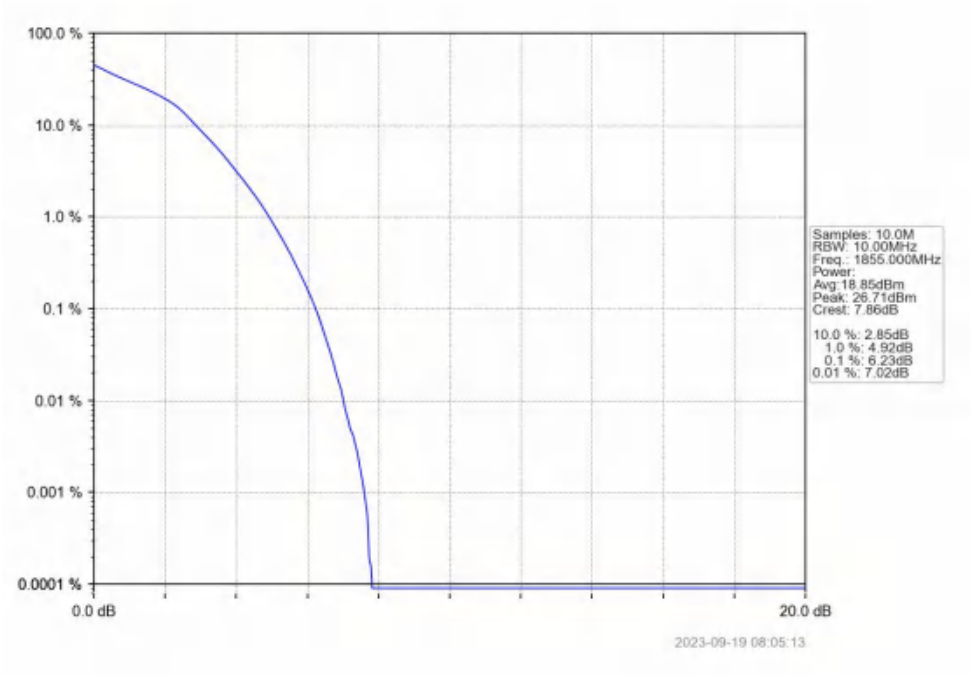

Band2_10MHz_QPSK_MCH_1880MHz_RB_50_0_NTNV



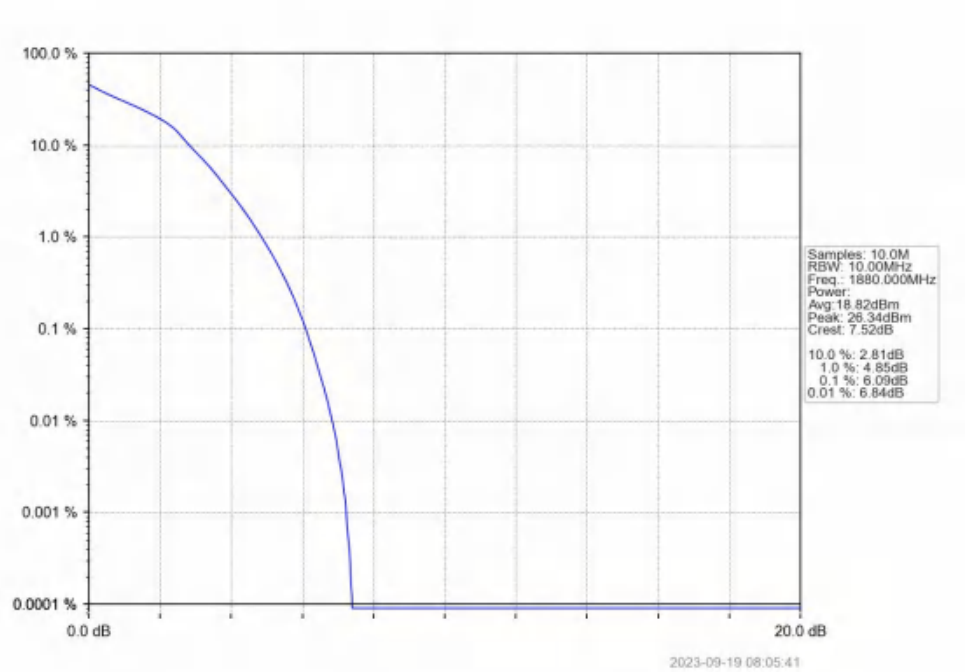
Band2_10MHz_QPSK_HCH_1905MHz_RB_50_0_NTNV



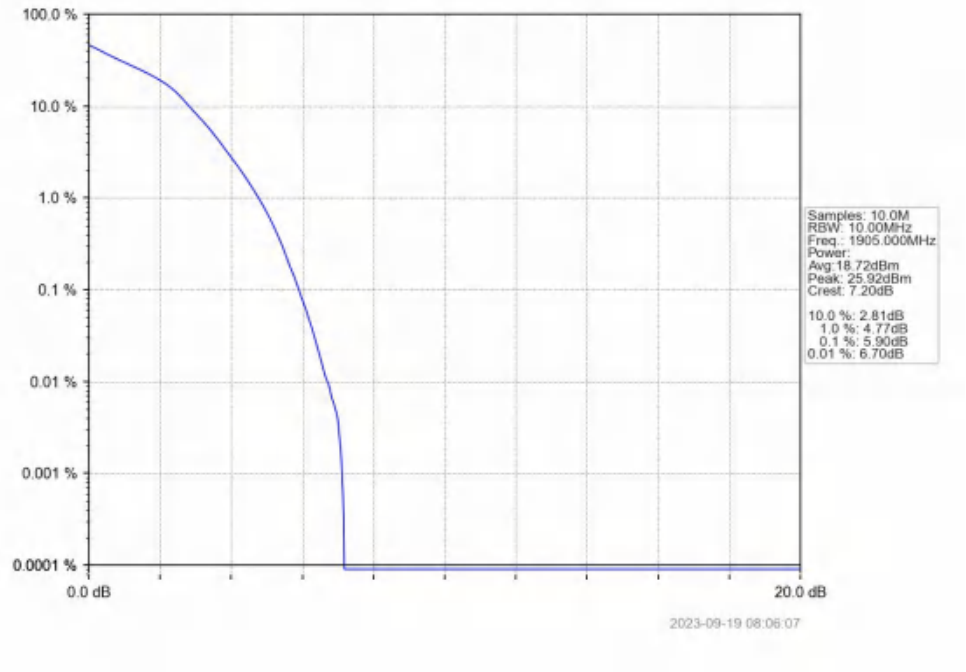

Band2_10MHz_16QAM_LCH_1855MHz_RB_50_0_NTNV



Band2_10MHz_16QAM_MCH_1880MHz_RB_50_0_NTNV




Band2_10MHz_16QAM_HCH_1905MHz_RB_50_0_NTNV



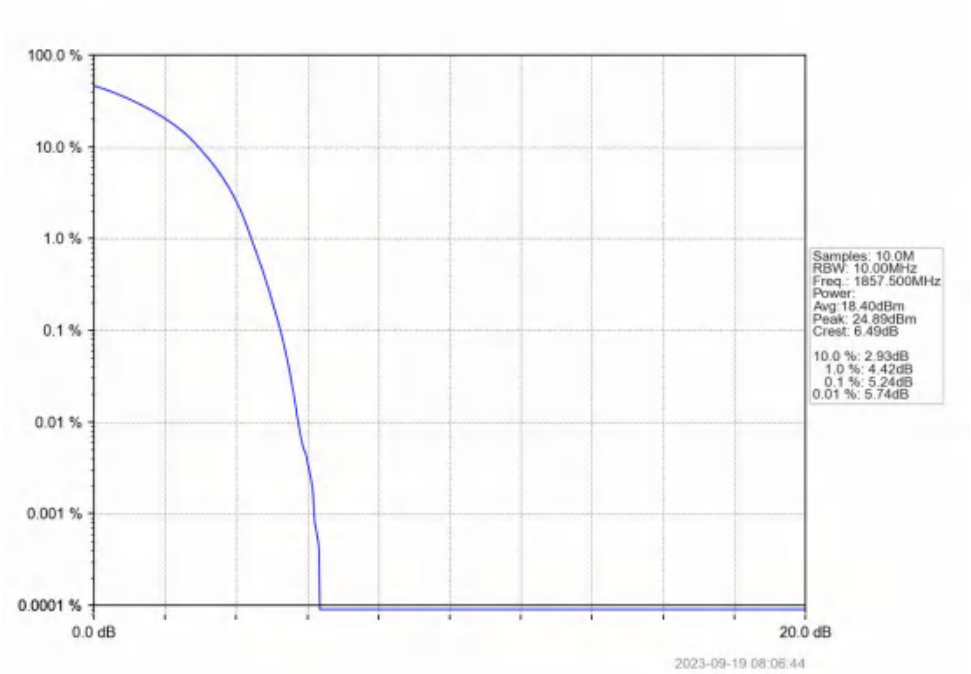
## 5.5 B2_15MHz

### 5.5.1 Test Result

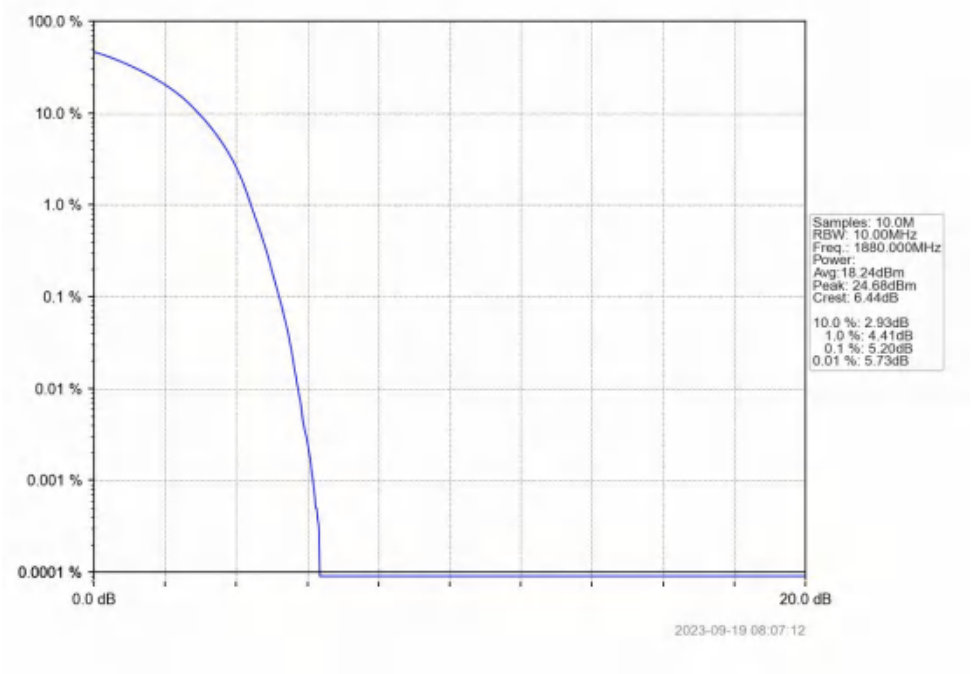
| Band: 2 / Bandwidth: 15MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Peak-Average Ratio (dB) | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 1857.5 | 75 | 0 | 5.24 | <=13 | Pass |
| | 1880 | 75 | 0 | 5.20 | <=13 | Pass |
| | 1902.5 | 75 | 0 | 5.21 | <=13 | Pass |
| 16QAM | 1857.5 | 75 | 0 | 6.31 | <=13 | Pass |
| | 1880 | 75 | 0 | 6.31 | <=13 | Pass |
| | 1902.5 | 75 | 0 | 6.14 | <=13 | Pass |

## 5.5.2 Test Graph

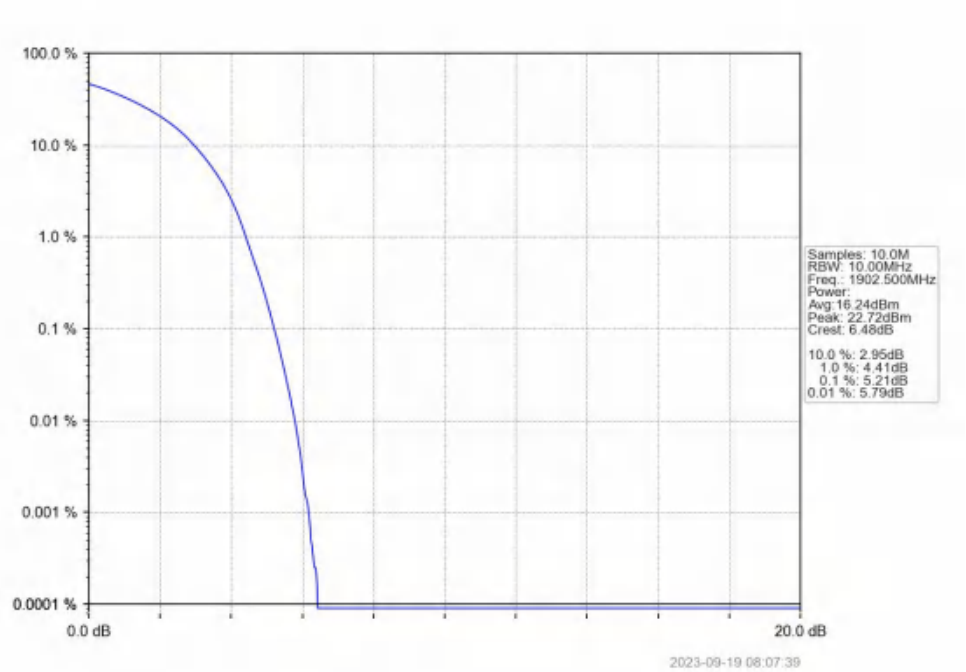
Band2_15MHz_QPSK_LCH_1857.5MHz_RB_75_0_NTNV



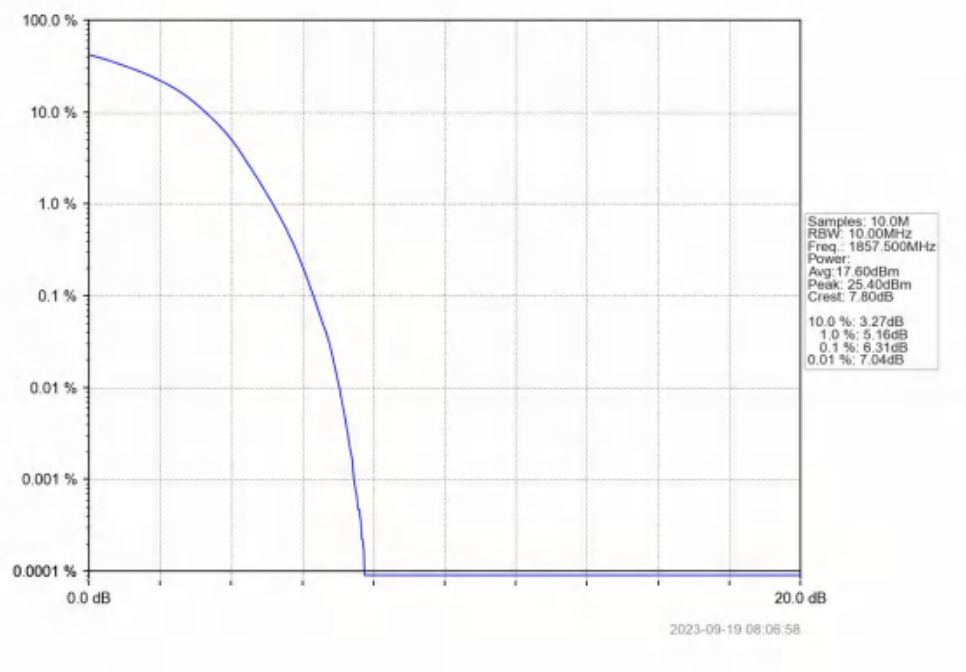

Band2_15MHz_QPSK_MCH_1880MHz_RB_75_0_NTNV



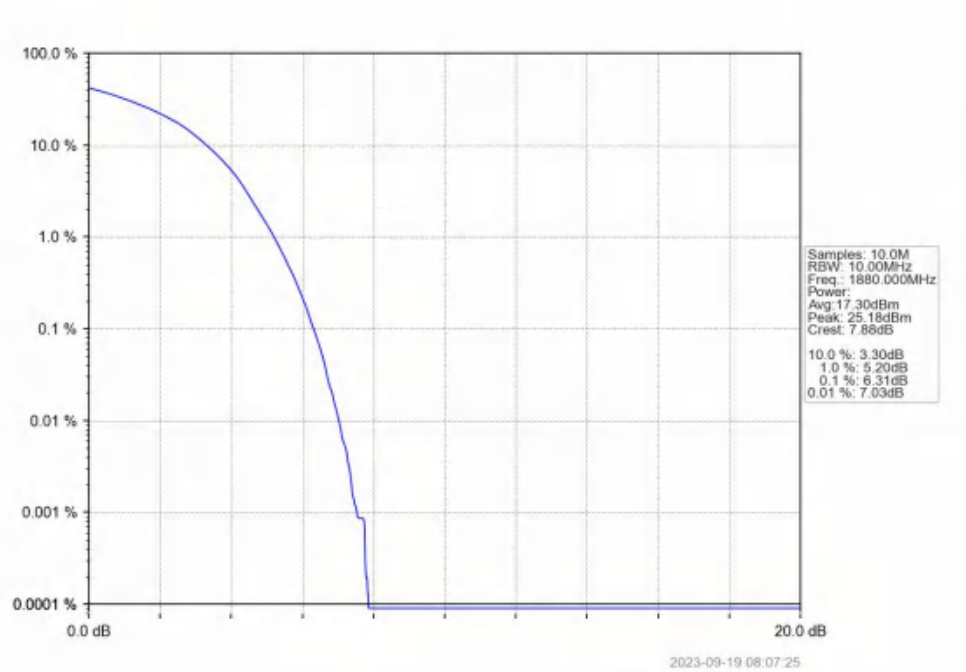
Band2_15MHz_QPSK_HCH_1902.5MHz_RB_75_0_NTNV



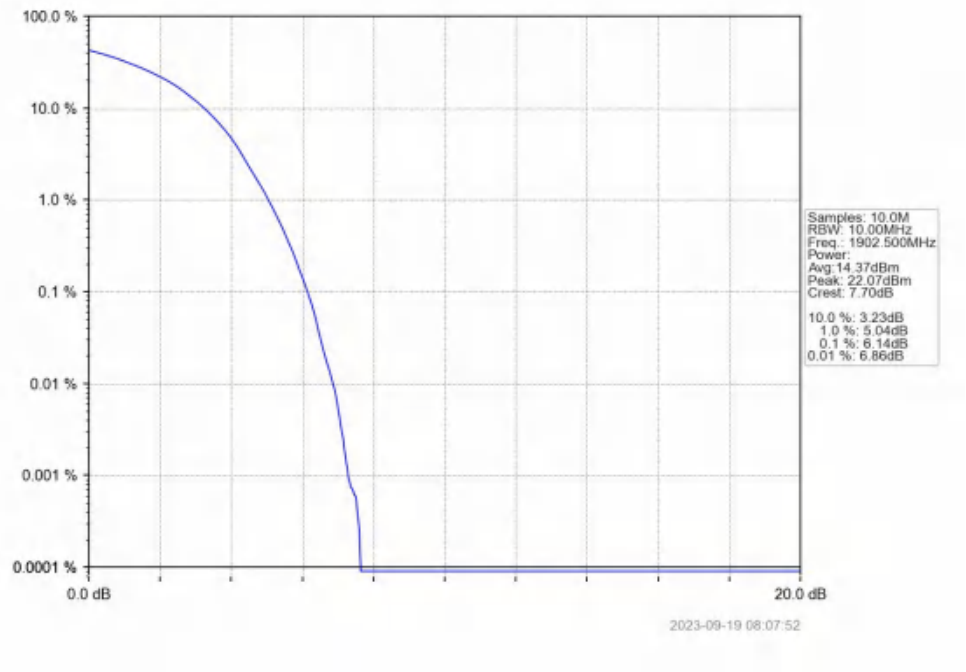

Band2_15MHz_16QAM_LCH_1857.5MHz_RB_75_0_NTNV



Band2_15MHz_16QAM_MCH_1880MHz_RB_75_0_NTNV




Band2_15MHz_16QAM_HCH_1902.5MHz_RB_75_0_NTNV



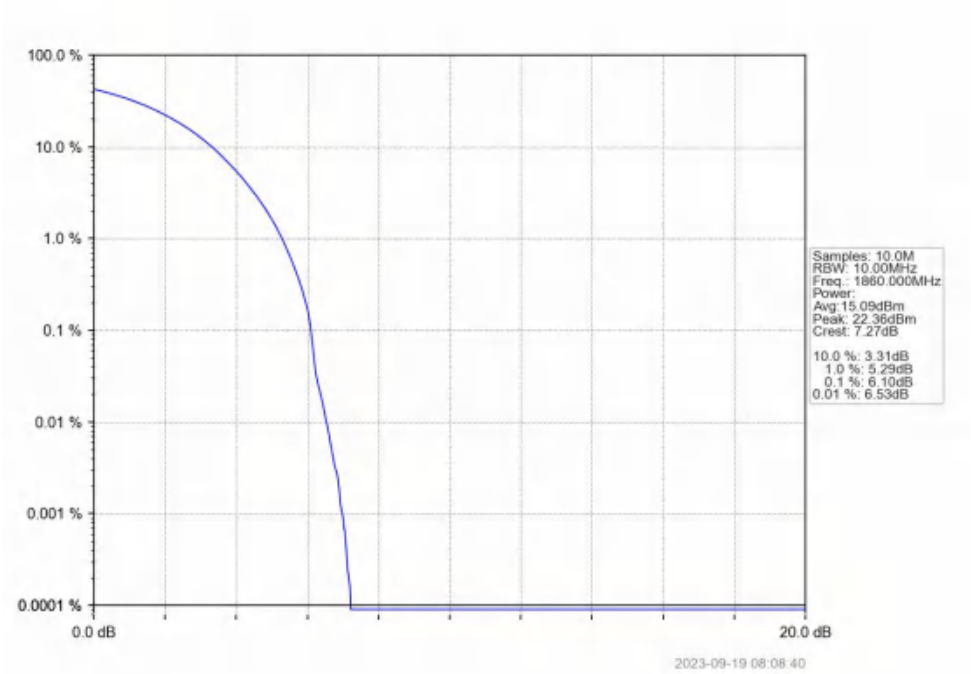
## 5.6 B2_20MHz

### 5.6.1 Test Result

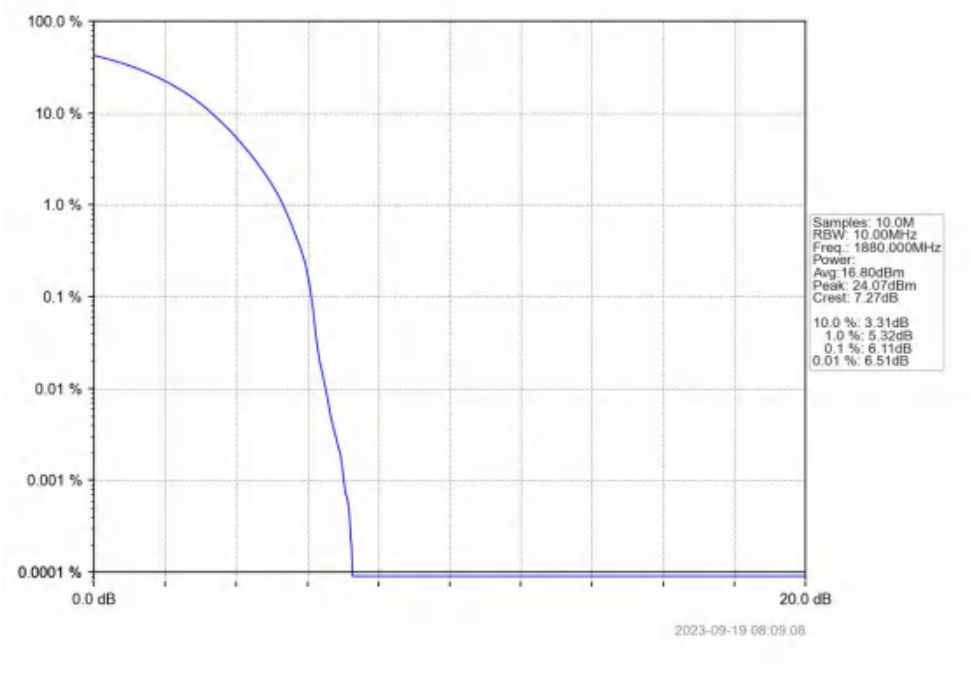
| Band: 2 / Bandwidth: 20MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Peak-Average Ratio (dB) | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 1860 | 100 | 0 | 6.10 | <=13 | Pass |
| | 1880 | 100 | 0 | 6.11 | <=13 | Pass |
| | 1900 | 100 | 0 | 5.98 | <=13 | Pass |
| 16QAM | 1860 | 100 | 0 | 6.10 | <=13 | Pass |
| | 1880 | 100 | 0 | 6.11 | <=13 | Pass |
| | 1900 | 100 | 0 | 5.97 | <=13 | Pass |

## 5.6.2 Test Graph

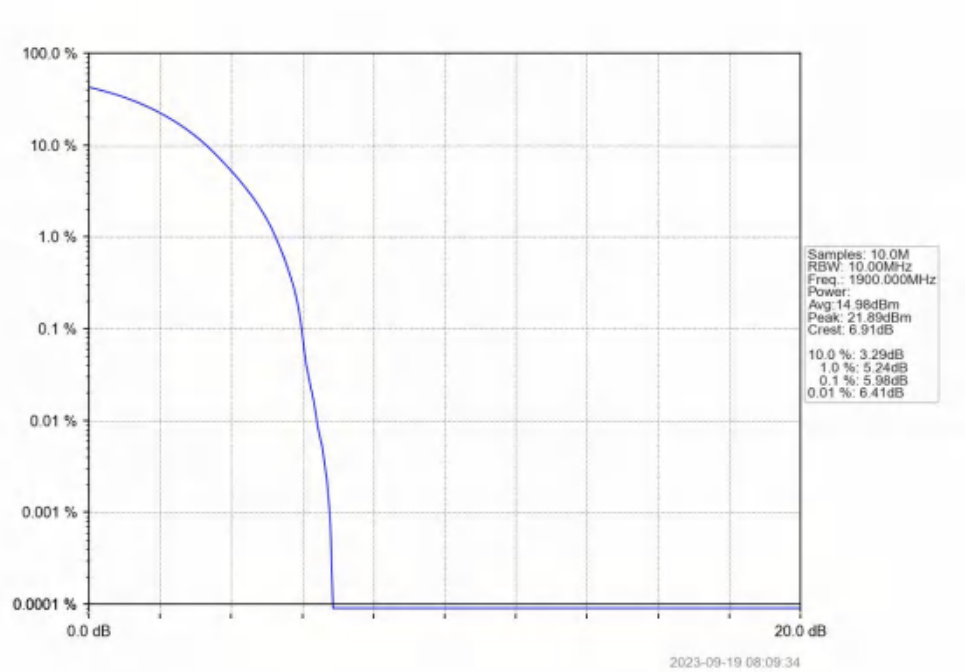
Band2_20MHz_QPSK_LCH_1860MHz_RB_100_0_NTNV



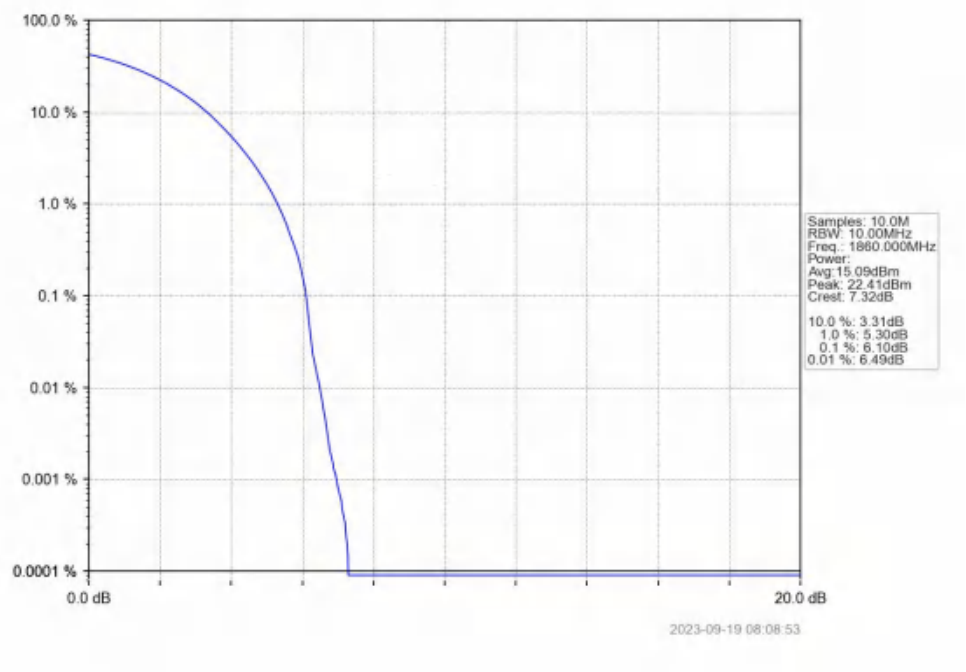

Band2_20MHz_QPSK_MCH_1880MHz_RB_100_0_NTNV



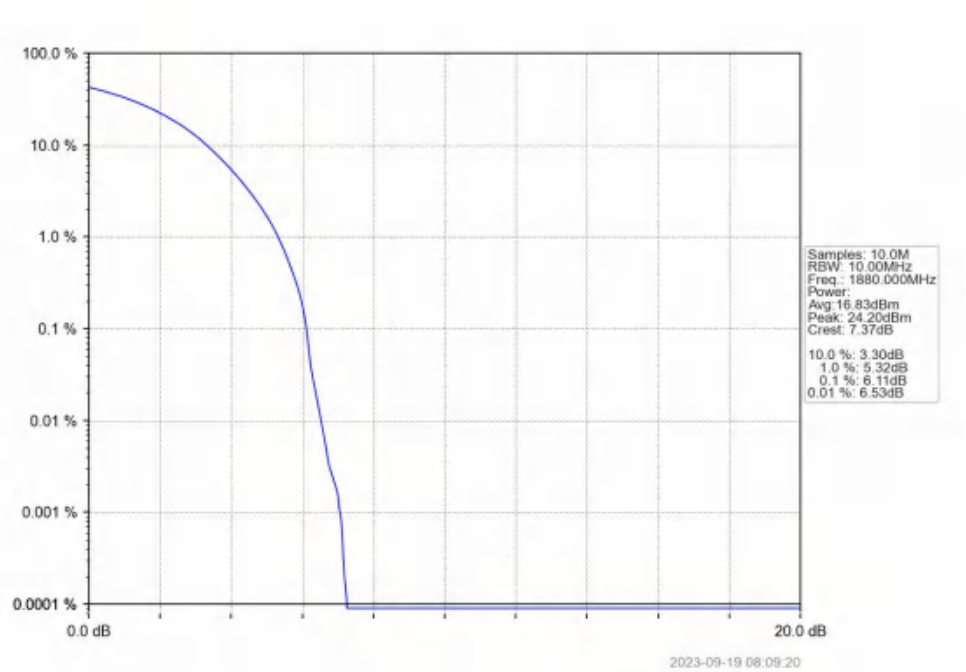
Band2_20MHz_QPSK_HCH_1900MHz_RB_100_0_NTNV



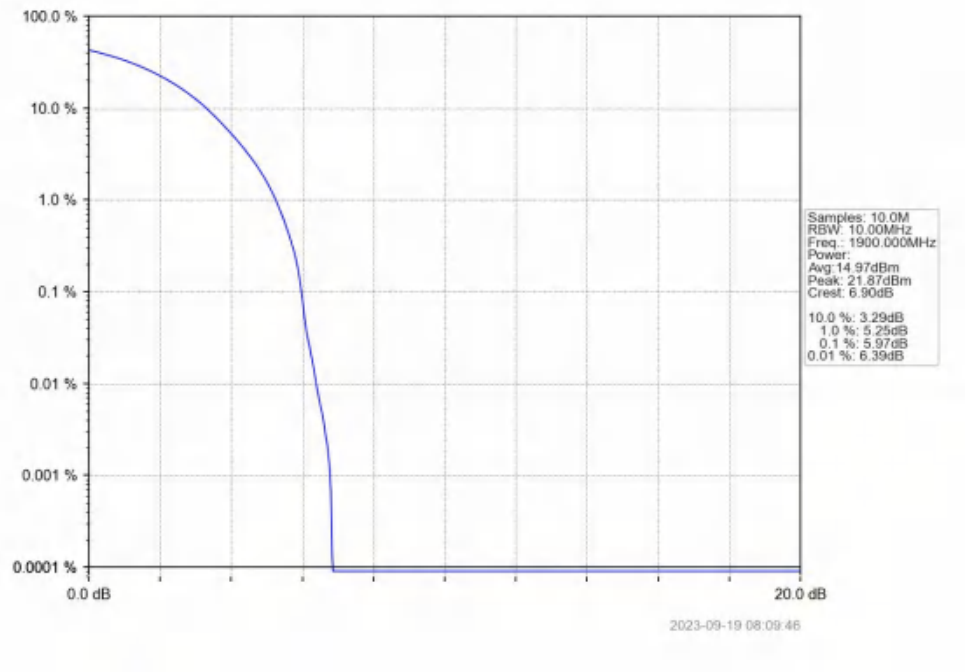

Band2_20MHz_16QAM_LCH_1860MHz_RB_100_0_NTNV



Band2_20MHz_16QAM_MCH_1880MHz_RB_100_0_NTNV




Band2_20MHz_16QAM_HCH_1900MHz_RB_100_0_NTNV



# 6. Spurious Emission

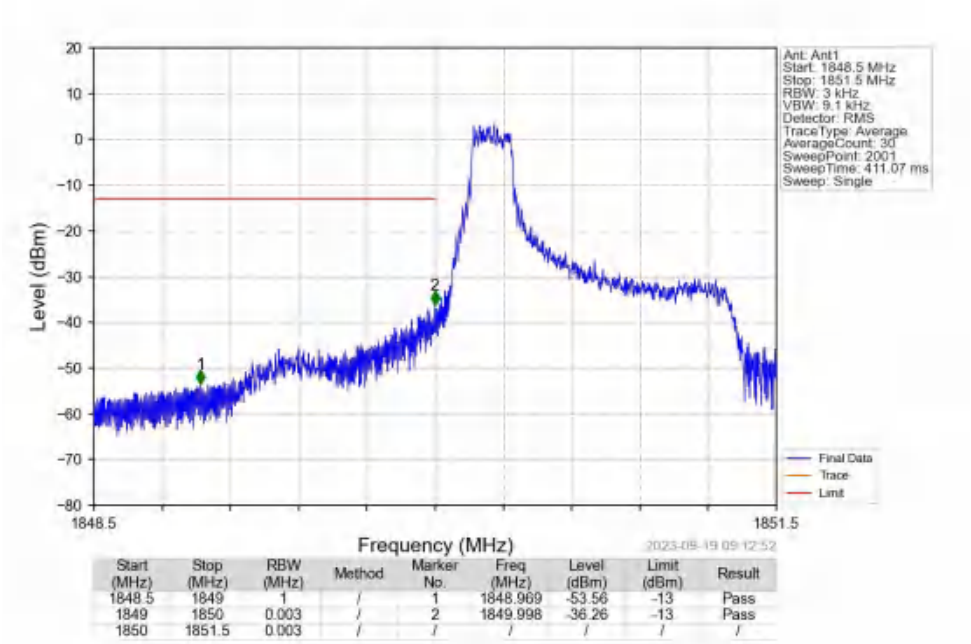
## 6.1 B2_1.4MHz

### 6.1.1 Test Result

| Band: 2 / Bandwidth: 1.4MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Spurious Emission | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 1850.7 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 6 | 0 | Refer To Test Graph | | Pass |
| | 1880 | 1 | 0 | Refer To Test Graph | | Pass |
| | 1909.3 | 1 | 0 | Refer To Test Graph | | Pass |
| | | | 5 | Refer To Test Graph | | Pass |
| | | 6 | 0 | Refer To Test Graph | | Pass |
| 16QAM | 1850.7 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 6 | 0 | Refer To Test Graph | | Pass |
| | 1880 | 1 | 0 | Refer To Test Graph | | Pass |
| | 1909.3 | 1 | 0 | Refer To Test Graph | | Pass |
| | | | 5 | Refer To Test Graph | | Pass |
| | | 6 | 0 | Refer To Test Graph | | Pass |

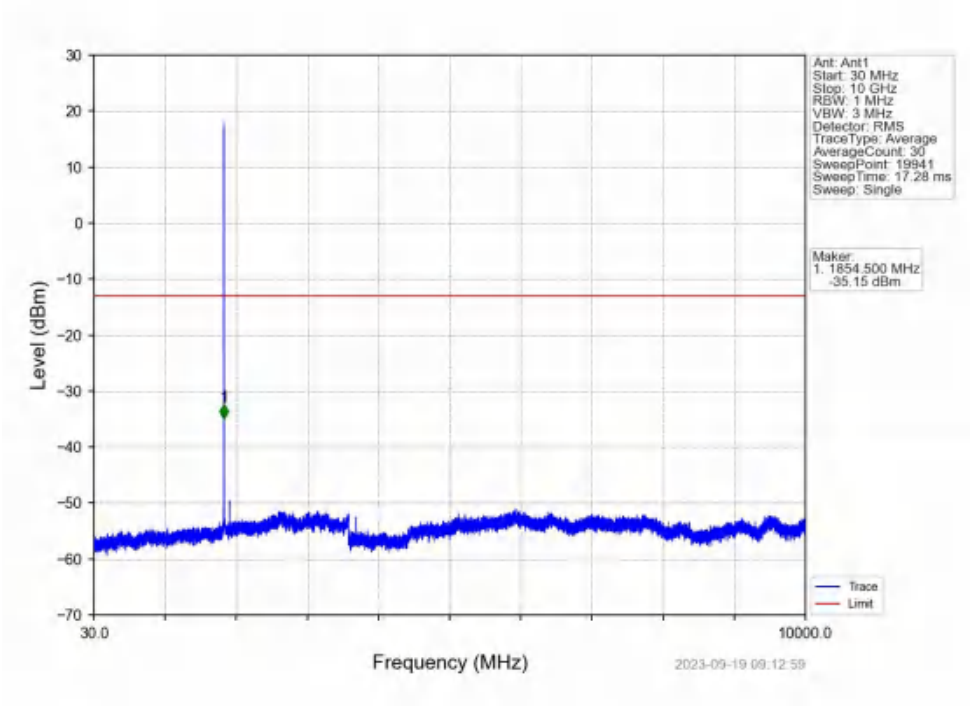
## 6.1.2 Test Graph

Band2_1.4MHz_QPSK_LCH_1850.7MHz_RB_1_0_NTNV

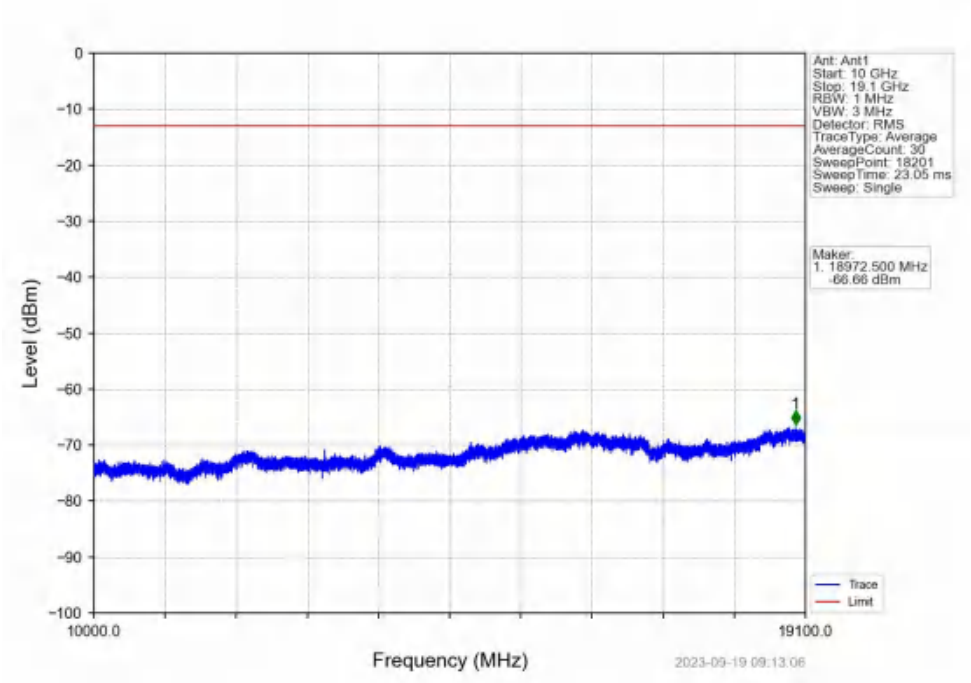



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1848.5 | 1849 | 1 | / | 1 | 1848.969 | -53.56 | -13 | Pass |
| 1849 | 1850 | 0.003 | / | 2 | 1849.998 | -36.26 | -13 | Pass |
| 1850 | 1851.5 | 0.003 | / | / | / | / | / | / |

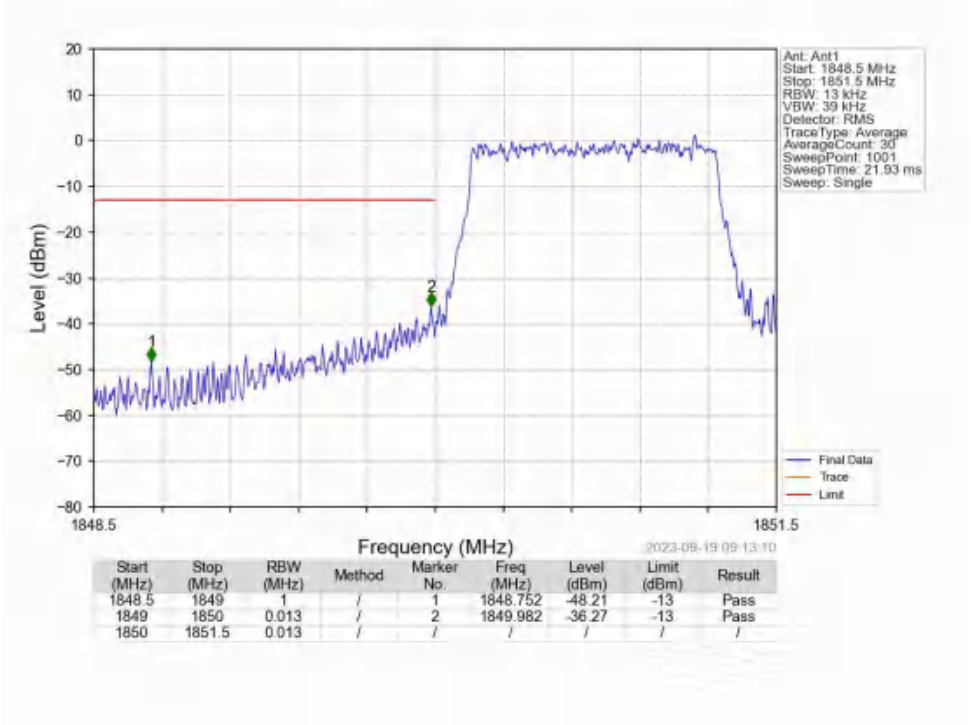
Band2_1.4MHz_QPSK_LCH_1850.7MHz_RB_1_0_NTNV



Band2_1.4MHz_QPSK_LCH_1850.7MHz_RB_1_0_NTNV

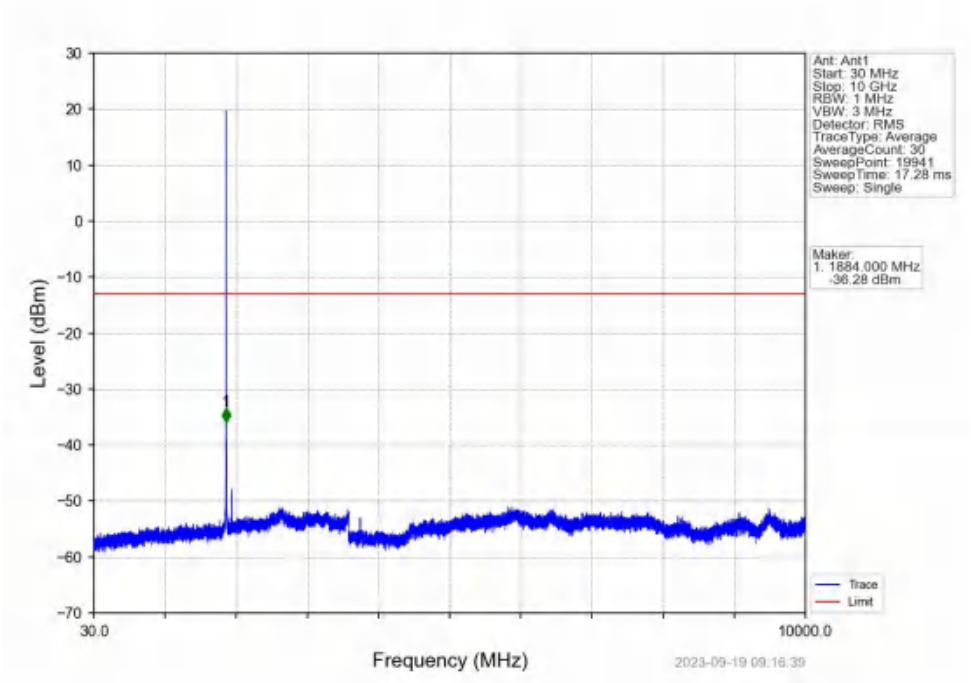



Band2_1.4MHz_QPSK_LCH_1850.7MHz_RB_6_0_NTNV

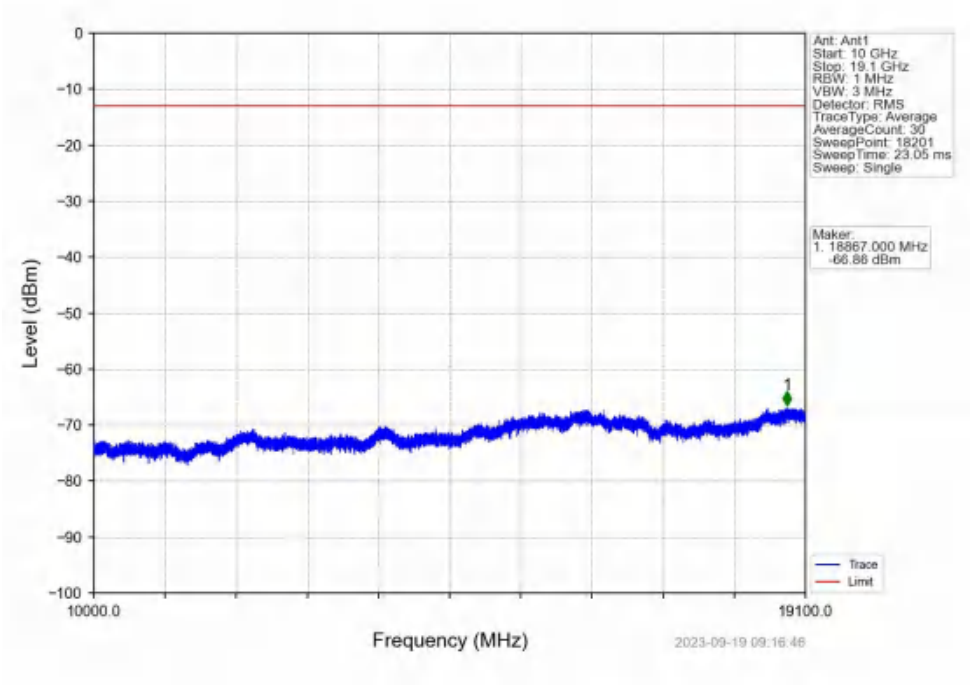



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1848.5 | 1849 | 1 | / | 1 | 1848.752 | -48.21 | -13 | Pass |
| 1849 | 1850 | 0.013 | / | 2 | 1849.982 | -36.27 | -13 | Pass |
| 1850 | 1851.5 | 0.013 | / | / | / | / | / | / |

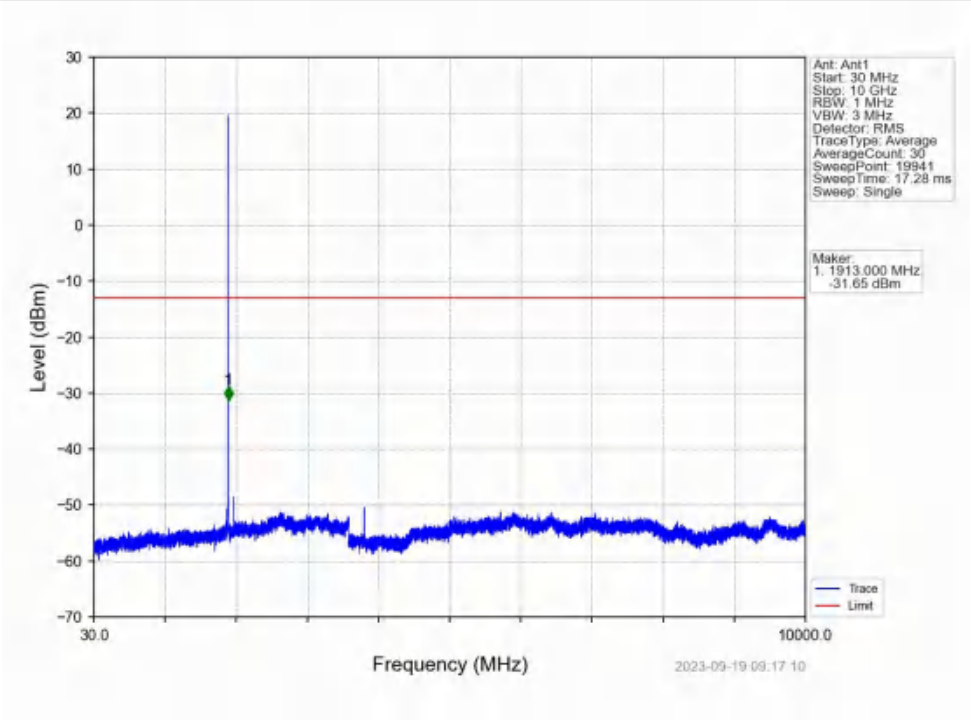
Band2_1.4MHz_QPSK_MCH_1880MHz_RB_1_0_NTNV



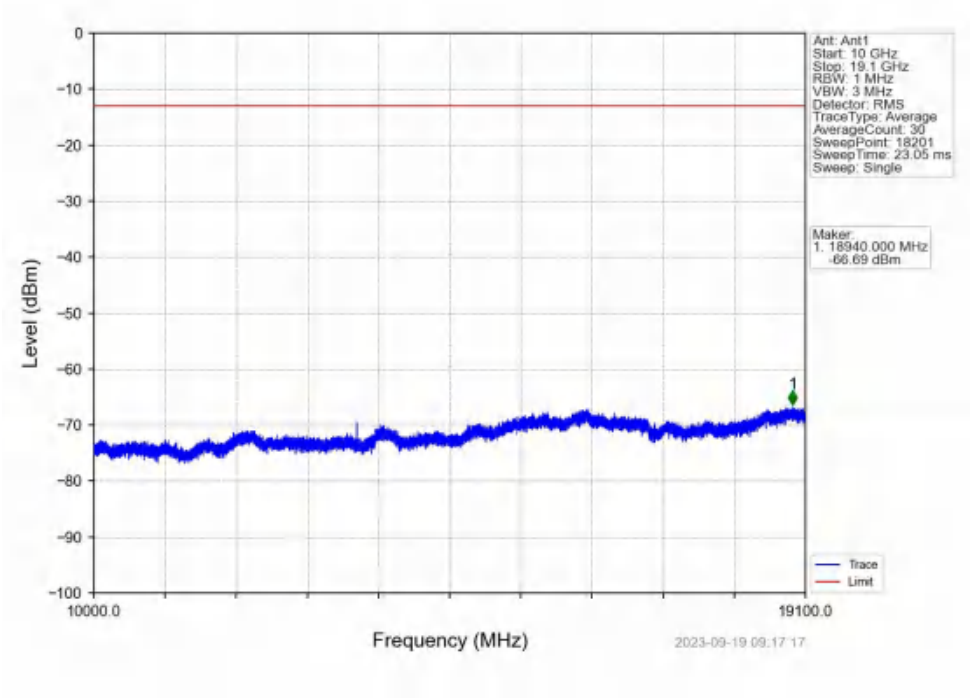

Band2_1.4MHz_QPSK_MCH_1880MHz_RB_1_0_NTNV



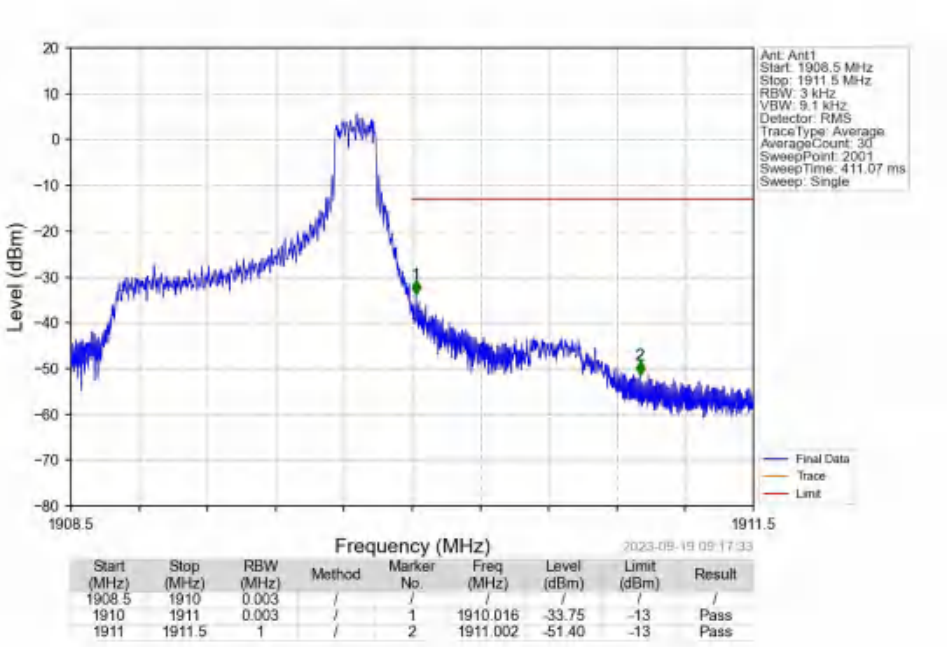
Band2_1.4MHz_QPSK_HCH_1909.3MHz_RB_1_0_NTNV




Band2_1.4MHz_QPSK_HCH_1909.3MHz_RB_1_0_NTNV

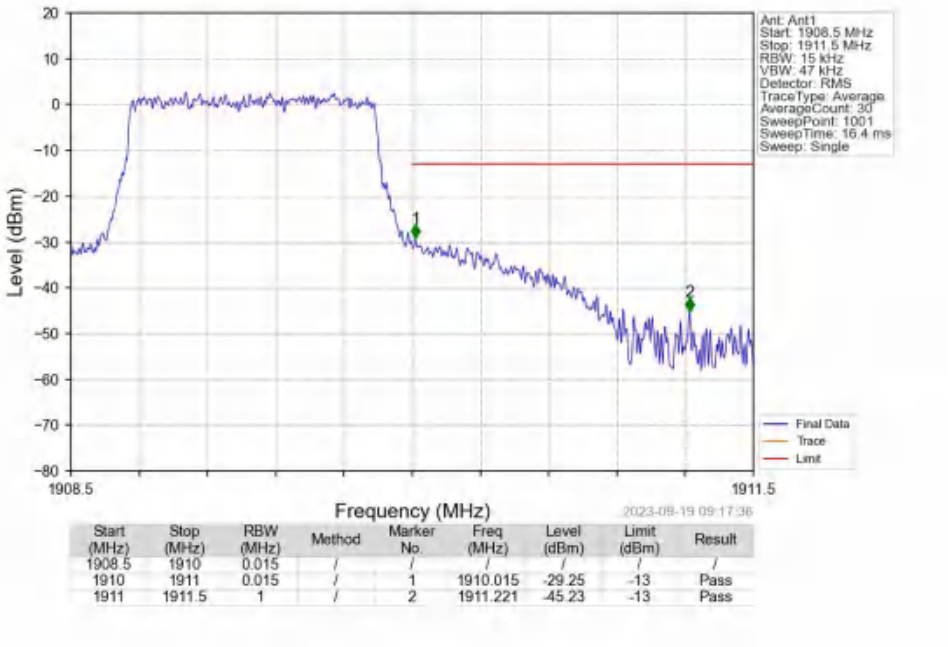


Band2_1.4MHz_QPSK_HCH_1909.3MHz_RB_1_5_NTNV



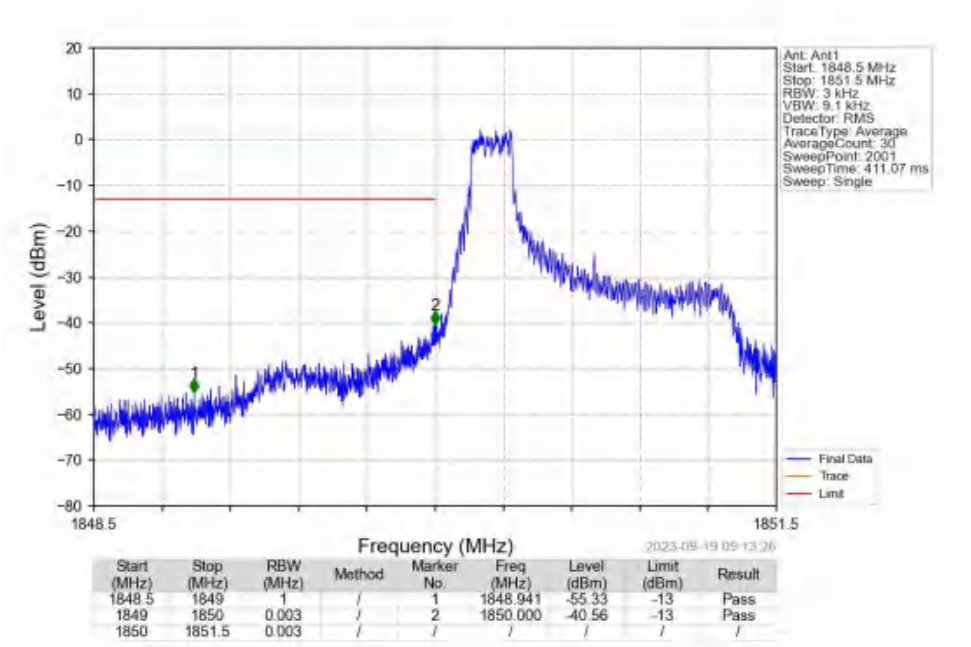

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1908.5 | 1910 | 0.003 | / | / | / | / | / | / |
| 1910 | 1911 | 0.003 | / | 1 | 1910.016 | -33.75 | -13 | Pass |
| 1911 | 1911.5 | 1 | / | 2 | 1911.002 | -51.40 | -13 | Pass |

Band2_1.4MHz_QPSK_HCH_1909.3MHz_RB_6_0_NTNV



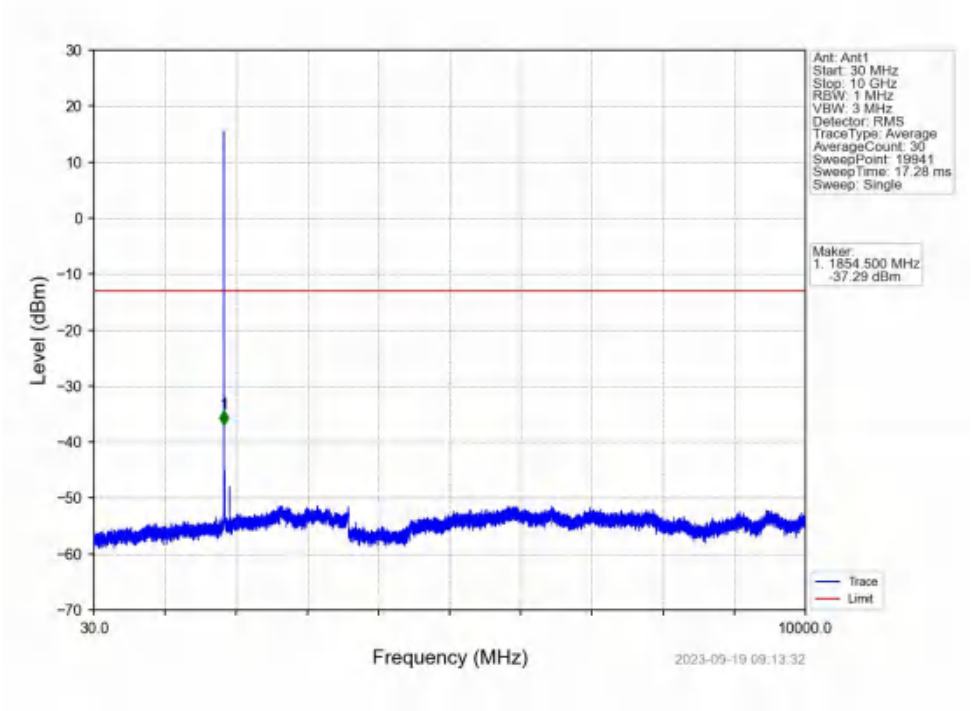

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1908.5 | 1910 | 0.015 | / | / | / | / | / | / |
| 1910 | 1911 | 0.015 | / | 1 | 1910.015 | -29.25 | -13 | Pass |
| 1911 | 1911.5 | 1 | / | 2 | 1911.221 | -45.23 | -13 | Pass |

Band2_1.4MHz_16QAM_LCH_1850.7MHz_RB_1_0_NTNV

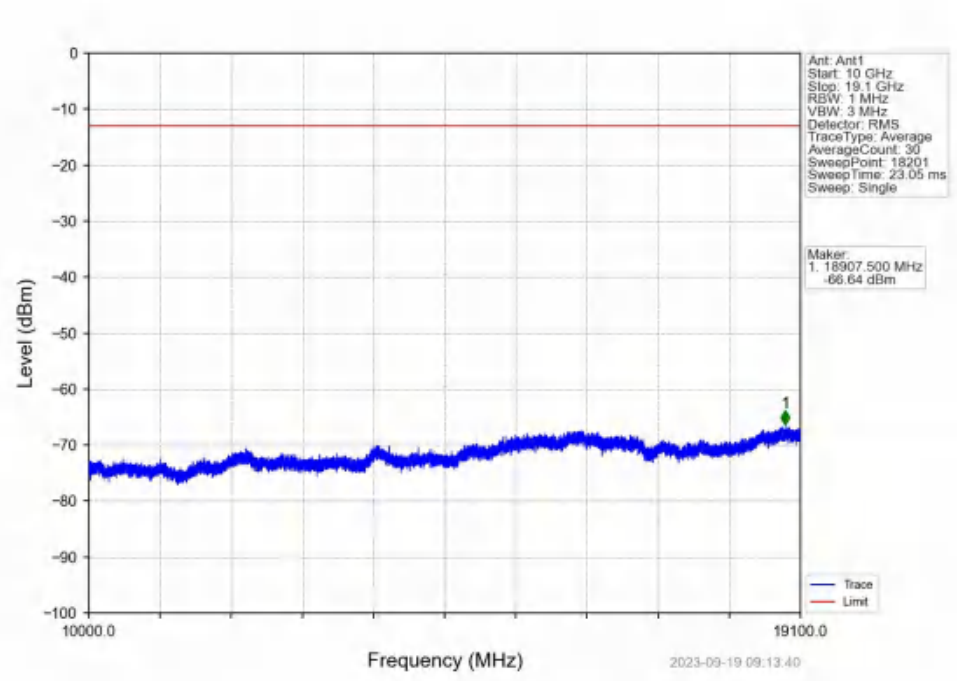



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1848.5 | 1849 | 1 | / | 1 | 1848.941 | -55.33 | -13 | Pass |
| 1849 | 1850 | 0.003 | / | 2 | 1850.000 | -40.56 | -13 | Pass |
| 1850 | 1851.5 | 0.003 | / | / | / | / | / | / |

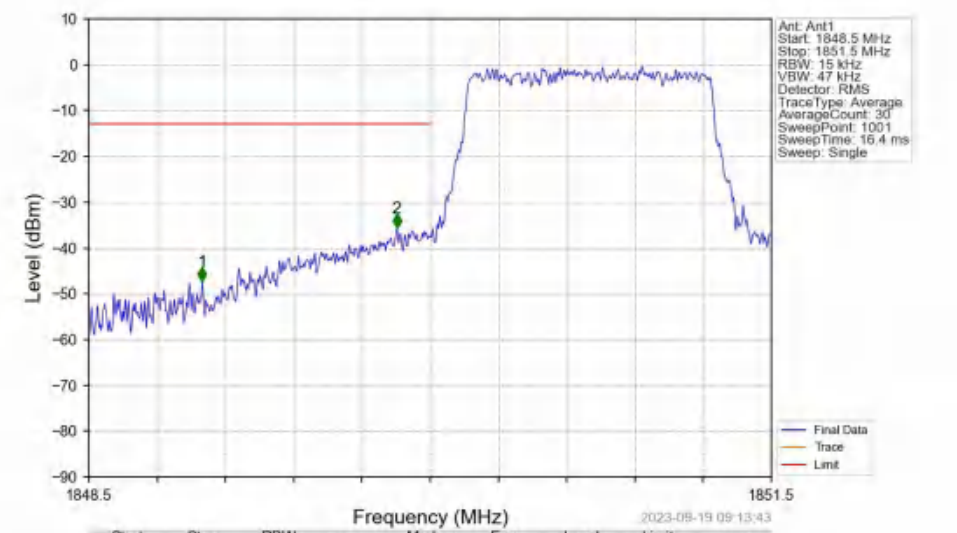
Band2_1.4MHz_16QAM_LCH_1850.7MHz_RB_1_0_NTNV



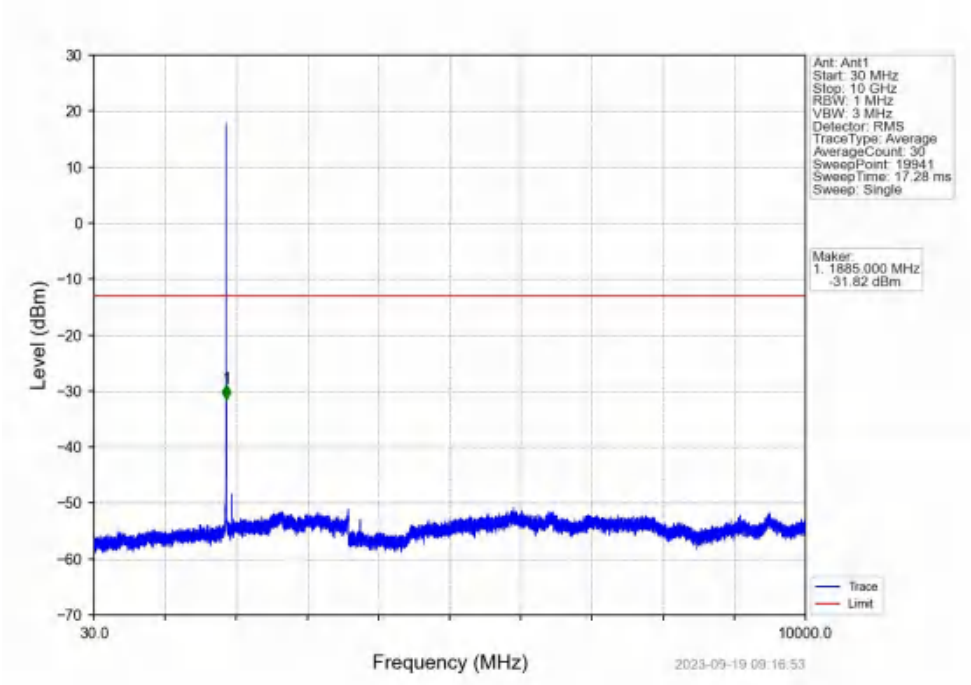
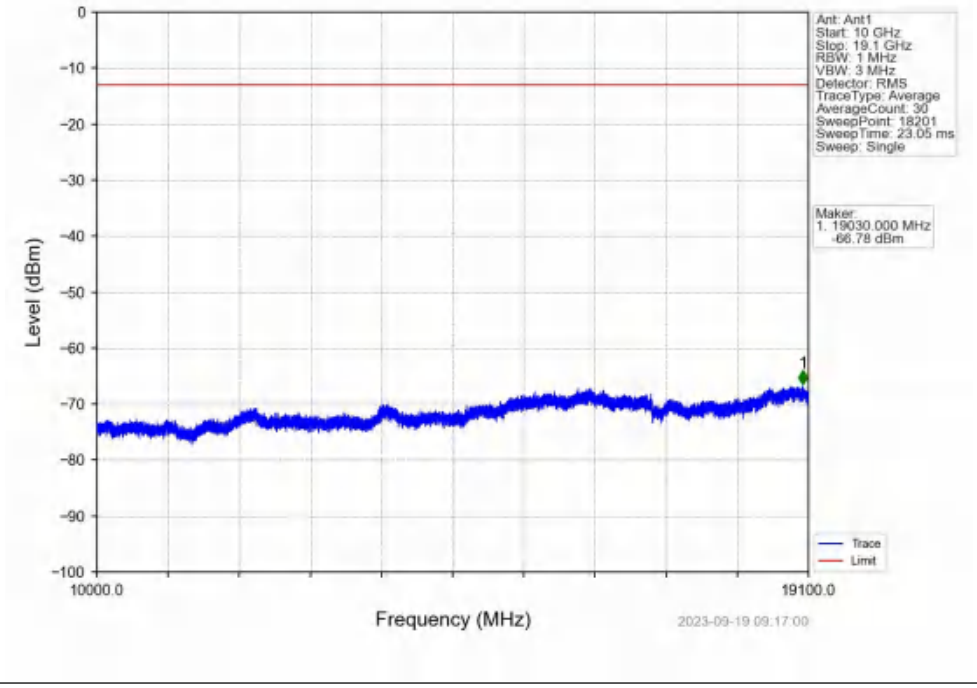
Band2_1.4MHz_16QAM_LCH_1850.7MHz_RB_1_0_NTNV



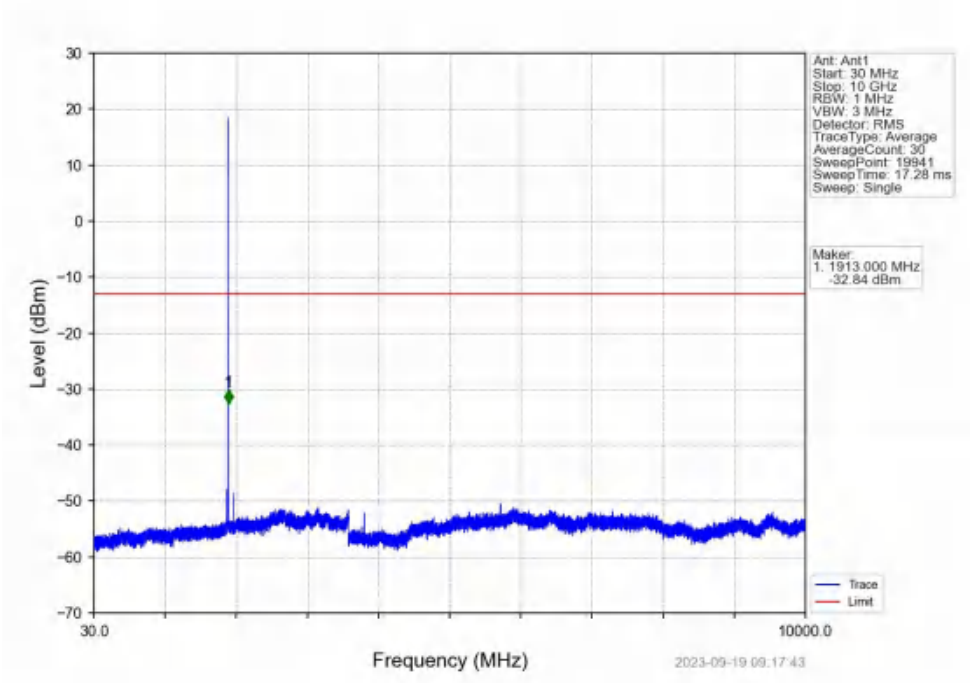

Band2_1.4MHz_16QAM_LCH_1850.7MHz_RB_6_0_NTNV



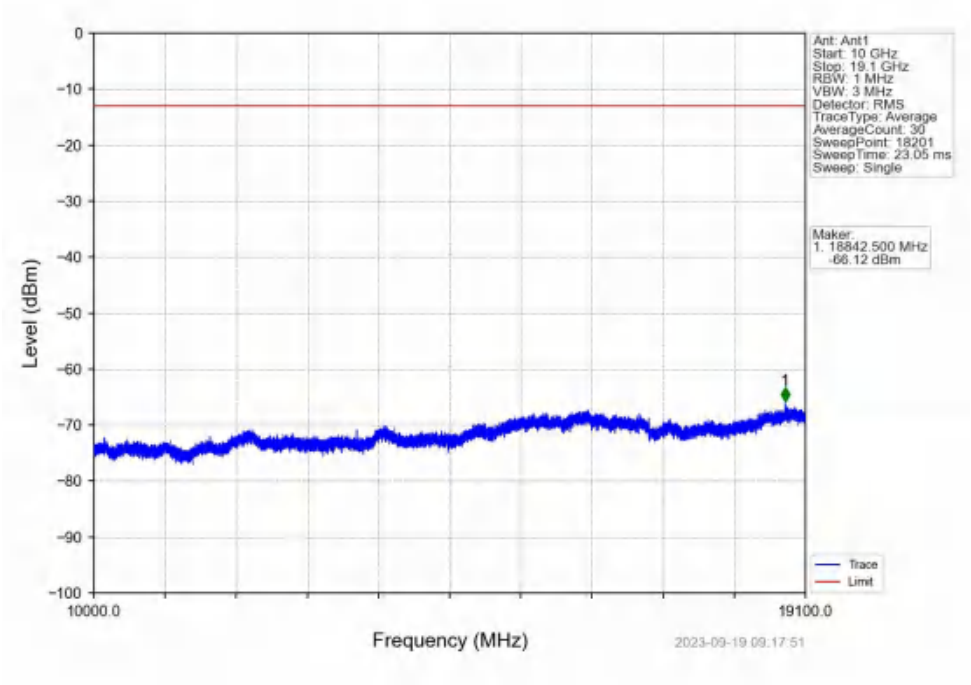

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1848.5 | 1849 | 1 | / | 1 | 1848.998 | -47.32 | -13 | Pass |
| 1849 | 1850 | 0.015 | / | 2 | 1849.853 | -35.72 | -13 | Pass |
| 1850 | 1851.5 | 0.015 | / | / | / | / | / | / |

| Band2_1.4MHz_16QAM_MCH_1880MHz_RB_1_0_NTNV |
| --- |
|  |
| Band2_1.4MHz_16QAM_MCH_1880MHz_RB_1_0_NTNV |
|  |

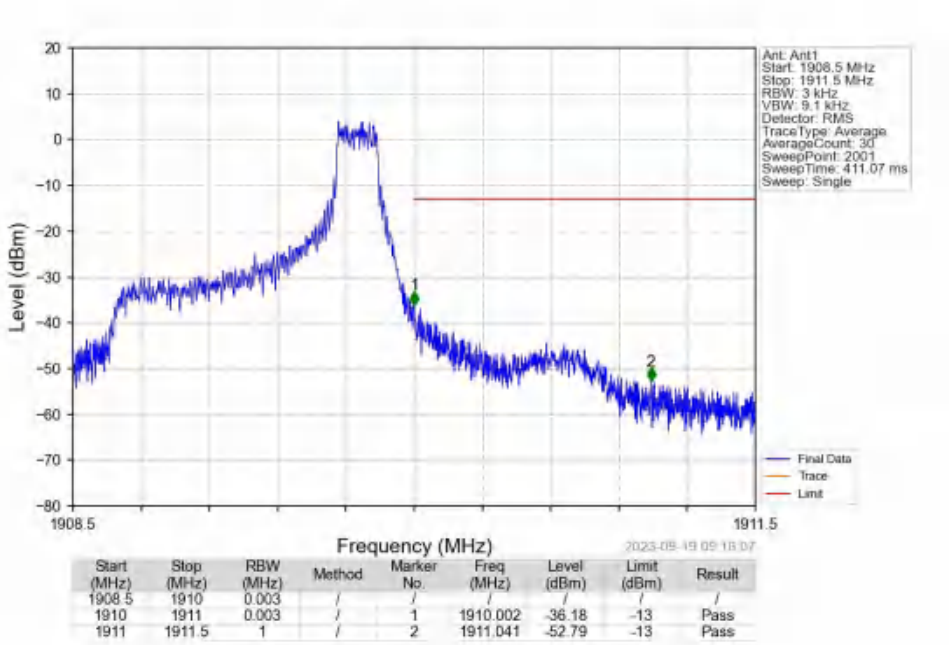
Band2_1.4MHz_16QAM_HCH_1909.3MHz_RB_1_0_NTNV




Band2_1.4MHz_16QAM_HCH_1909.3MHz_RB_1_0_NTNV

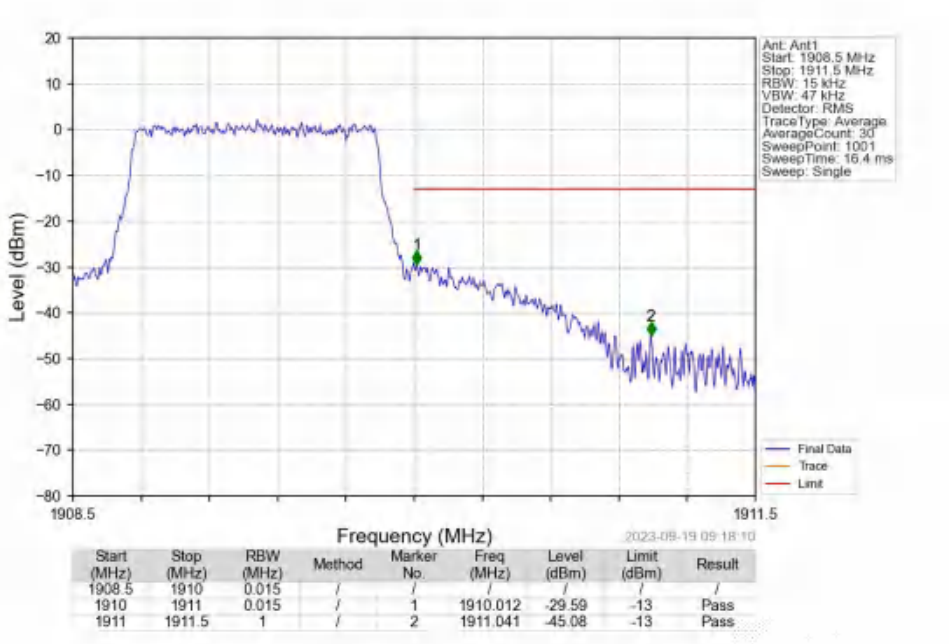


Band2_1.4MHz_16QAM_HCH_1909.3MHz_RB_1_5_NTNV




| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1908.5 | 1910 | 0.003 | / | / | / | / | / | / |
| 1910 | 1911 | 0.003 | / | 1 | 1910.002 | -36.18 | -13 | Pass |
| 1911 | 1911.5 | 1 | / | 2 | 1911.041 | -52.79 | -13 | Pass |

Band2_1.4MHz_16QAM_HCH_1909.3MHz_RB_6_0_NTNV




| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1908.5 | 1910 | 0.015 | / | / | / | / | / | / |
| 1910 | 1911 | 0.015 | / | 1 | 1910.012 | -29.59 | -13 | Pass |
| 1911 | 1911.5 | 1 | / | 2 | 1911.041 | -45.08 | -13 | Pass |

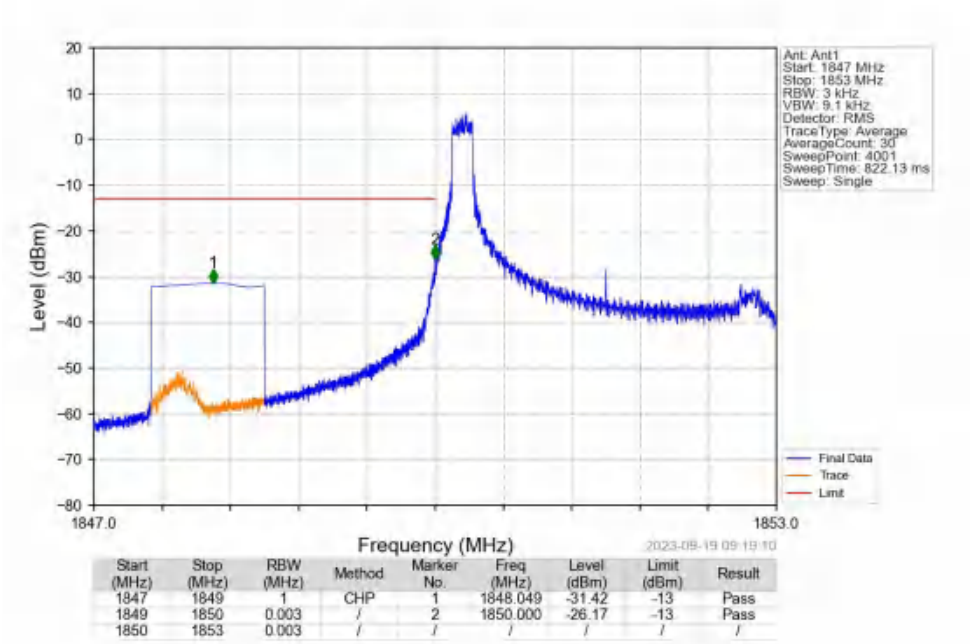
## 6.2 B2_3MHz

### 6.2.1 Test Result

| Band: 2 / Bandwidth: 3MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Spurious Emission | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 1851.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 15 | 0 | Refer To Test Graph | | Pass |
| | 1880 | 1 | 0 | Refer To Test Graph | | Pass |
| | 1908.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | | | 14 | Refer To Test Graph | | Pass |
| | | 15 | 0 | Refer To Test Graph | | Pass |
| 16QAM | 1851.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 15 | 0 | Refer To Test Graph | | Pass |
| | 1880 | 1 | 0 | Refer To Test Graph | | Pass |
| | 1908.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | | | 14 | Refer To Test Graph | | Pass |
| | | 15 | 0 | Refer To Test Graph | | Pass |

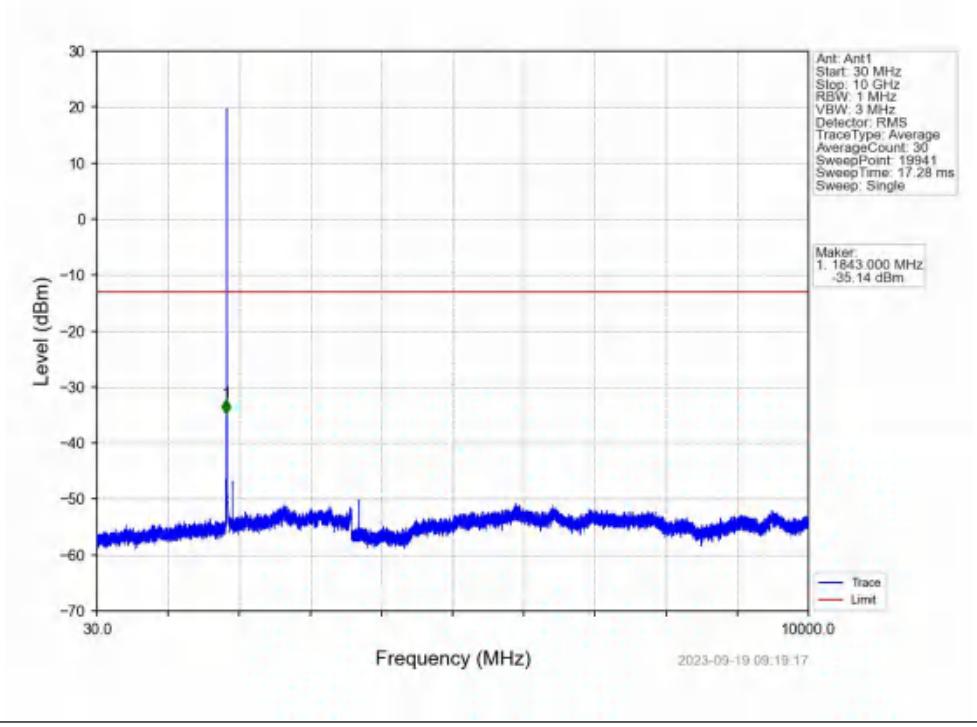
## 6.2.2 Test Graph

Band2_3MHz_QPSK_LCH_1851.5MHz_RB_1_0_NTNV

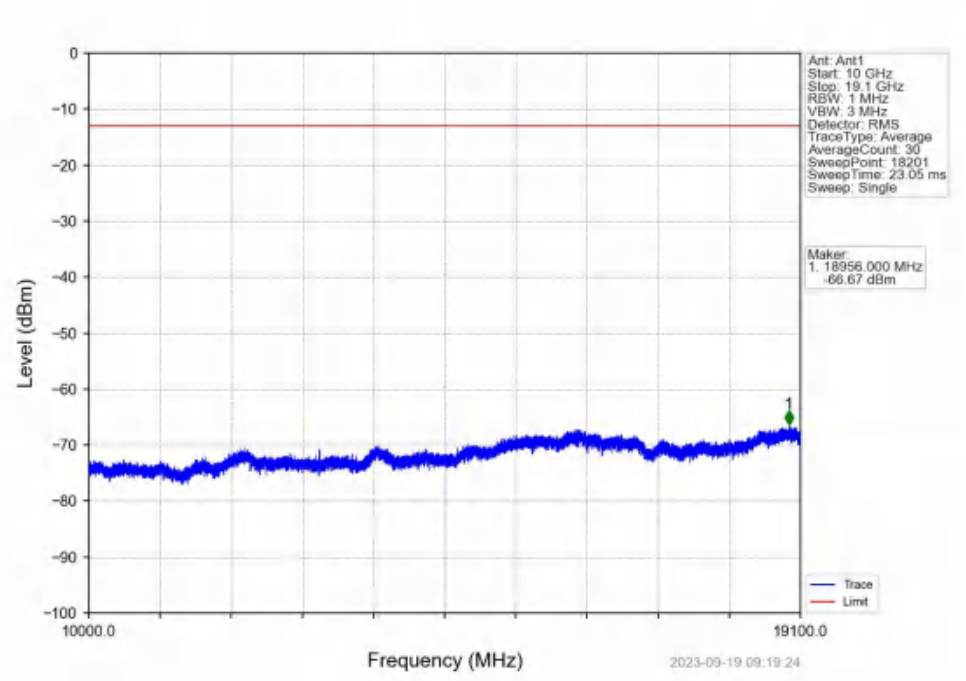



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1847 | 1849 | 1 | CHP | 1 | 1848.049 | -31.42 | -13 | Pass |
| 1849 | 1850 | 0.003 | / | 2 | 1850.000 | -26.17 | -13 | Pass |
| 1850 | 1853 | 0.003 | / | / | / | / | / | / |

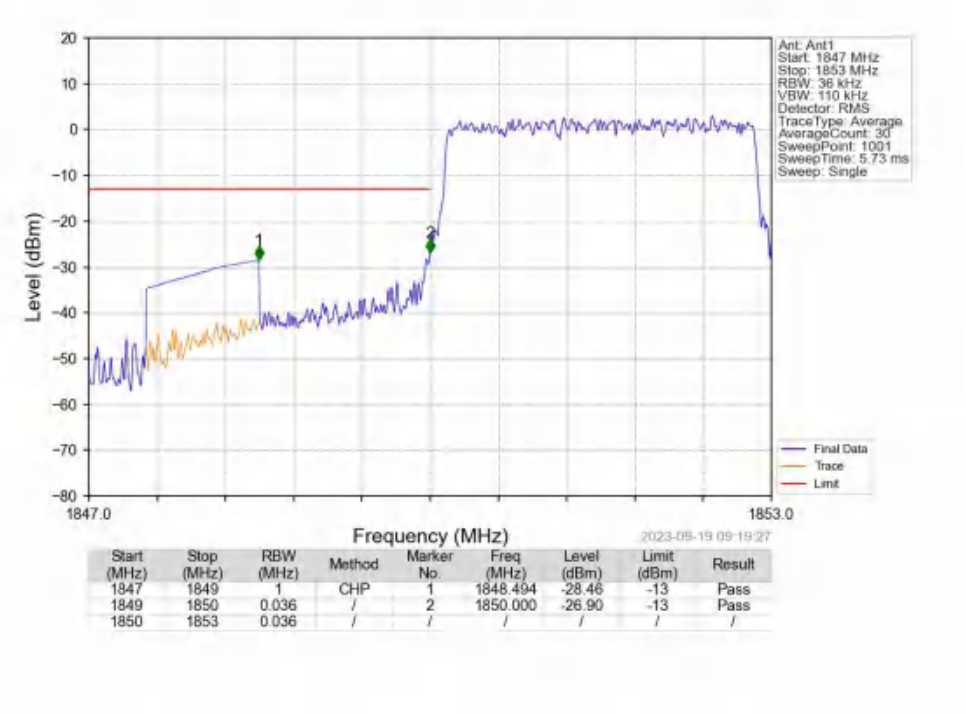
Band2_3MHz_QPSK_LCH_1851.5MHz_RB_1_0_NTNV



Band2_3MHz_QPSK_LCH_1851.5MHz_RB_1_0_NTNV

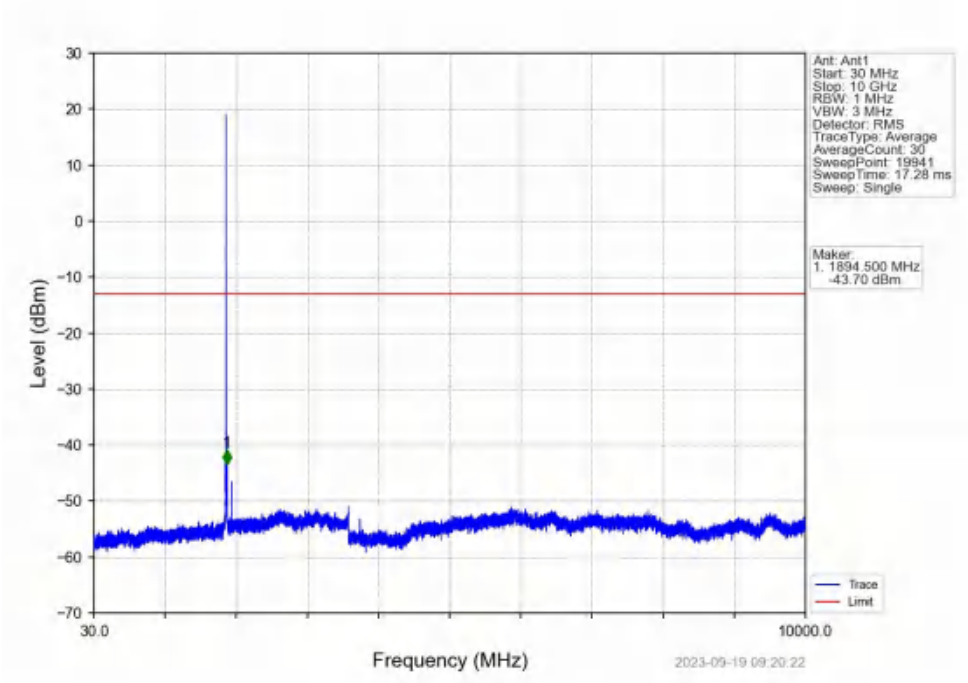



Band2_3MHz_QPSK_LCH_1851.5MHz_RB_15_0_NTNV

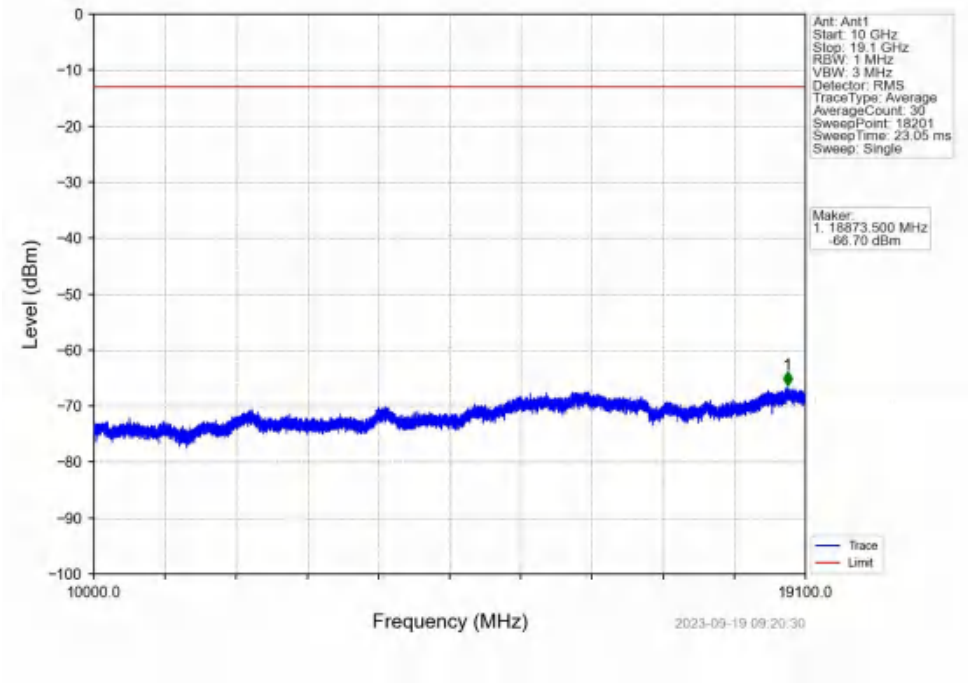



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1847 | 1849 | 1 | CHP | 1 | 1848.494 | -28.46 | -13 | Pass |
| 1849 | 1850 | 0.036 | / | 2 | 1850.000 | -26.90 | -13 | Pass |
| 1850 | 1853 | 0.036 | / | / | / | / | / | / |

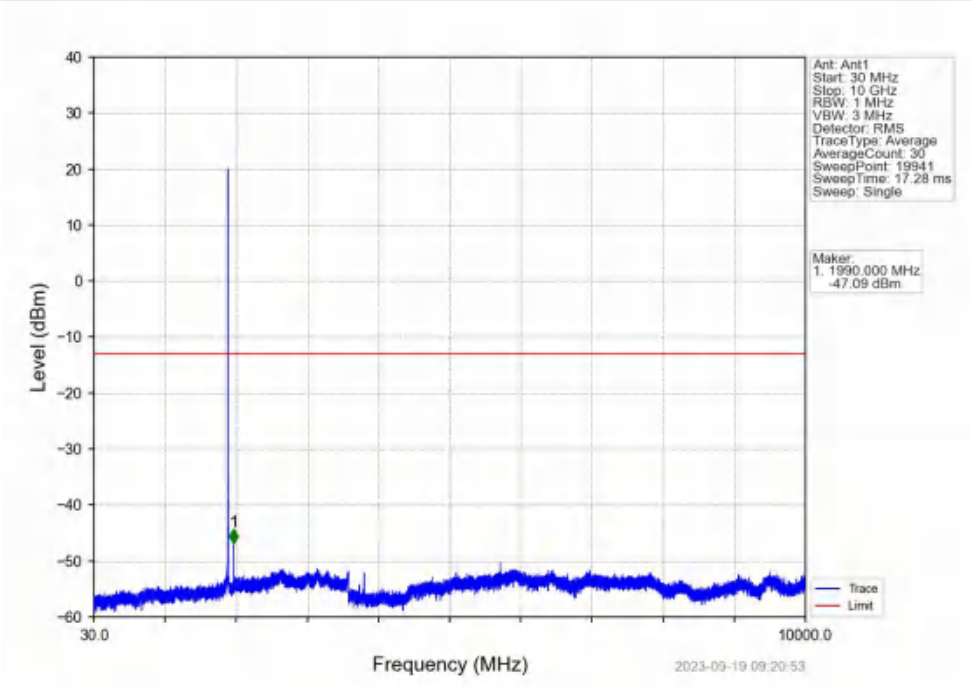
Band2_3MHz_QPSK_MCH_1880MHz_RB_1_0_NTNV



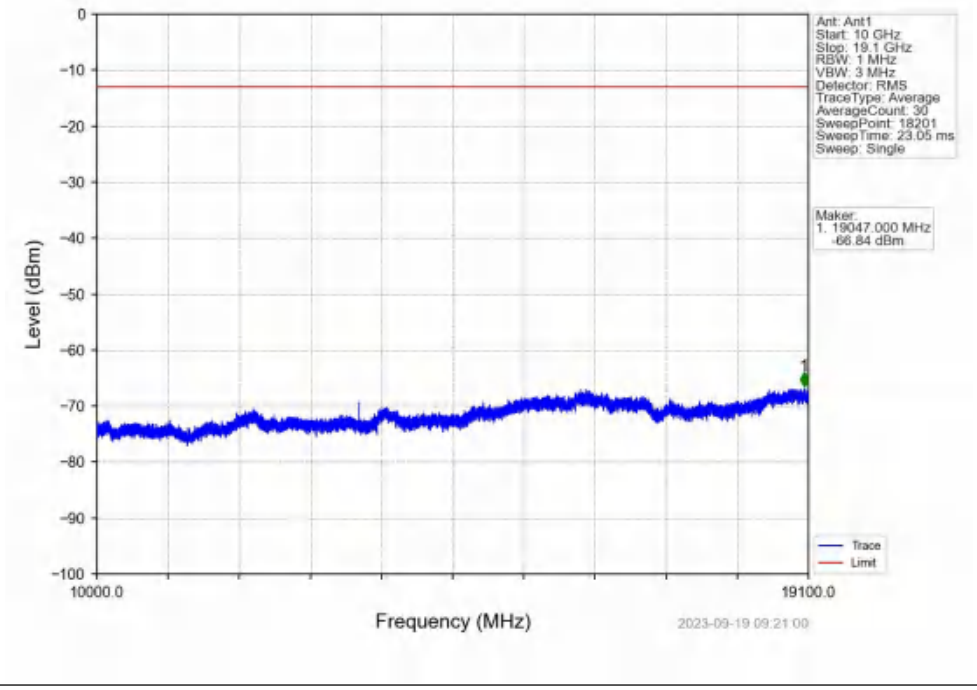

Band2_3MHz_QPSK_MCH_1880MHz_RB_1_0_NTNV



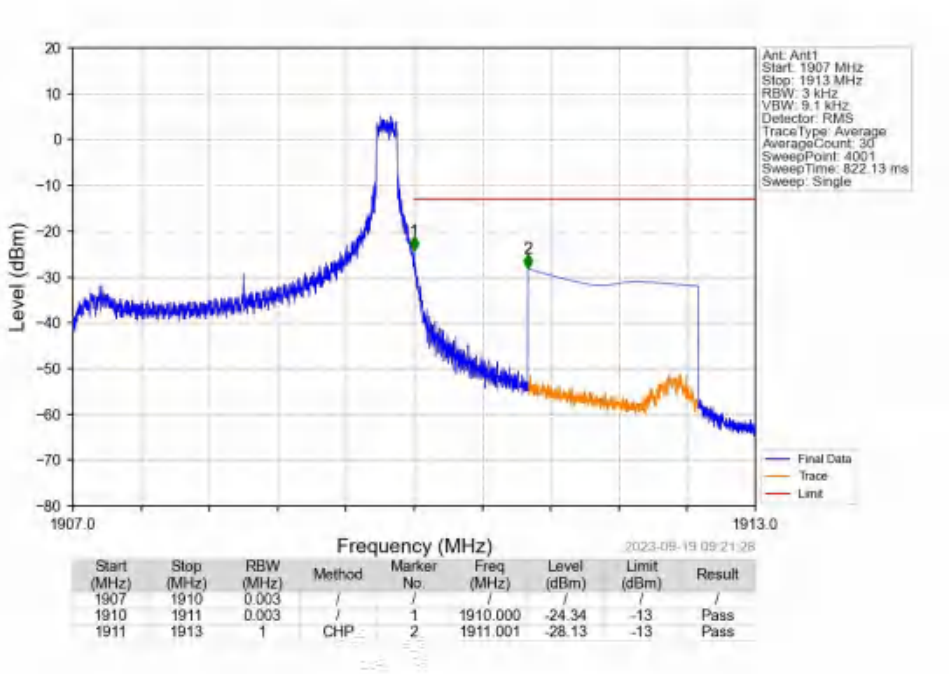
Band2_3MHz_QPSK_HCH_1908.5MHz_RB_1_0_NTNV




Band2_3MHz_QPSK_HCH_1908.5MHz_RB_1_0_NTNV

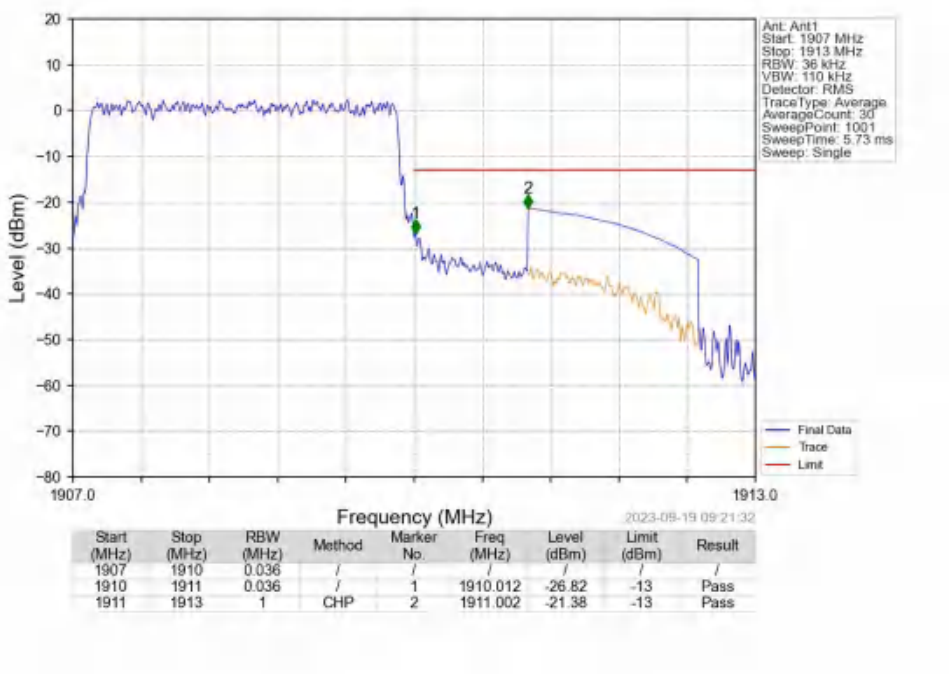


Band2_3MHz_QPSK_HCH_1908.5MHz_RB_1_14_NTNV



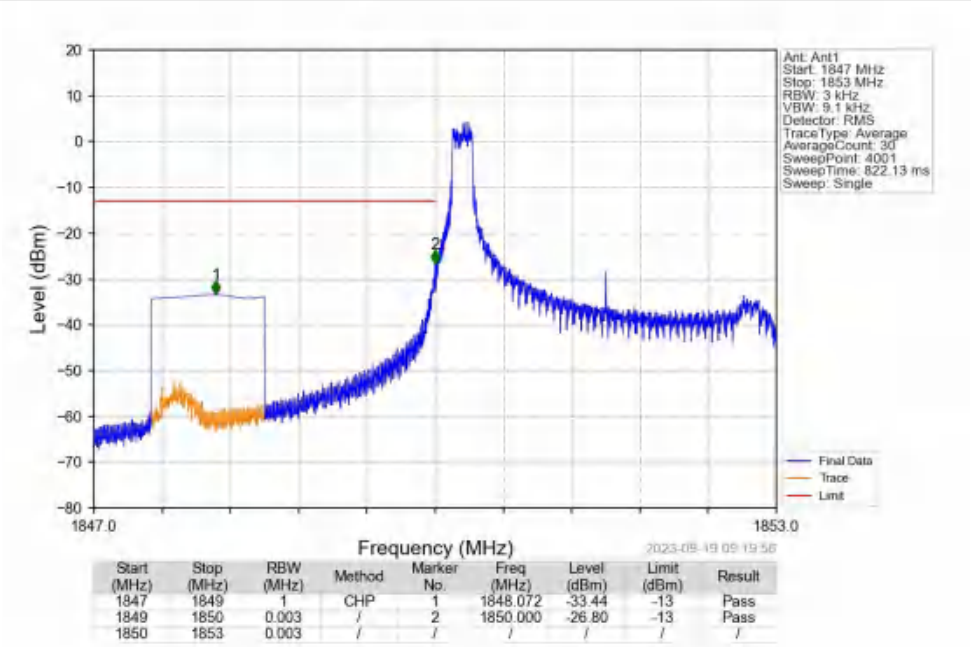

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1907 | 1910 | 0.003 | / | / | / | / | / | / |
| 1910 | 1911 | 0.003 | / | 1 | 1910.000 | -24.34 | -13 | Pass |
| 1911 | 1913 | 1 | CHP | 2 | 1911.001 | -28.13 | -13 | Pass |

Band2_3MHz_QPSK_HCH_1908.5MHz_RB_15_0_NTNV



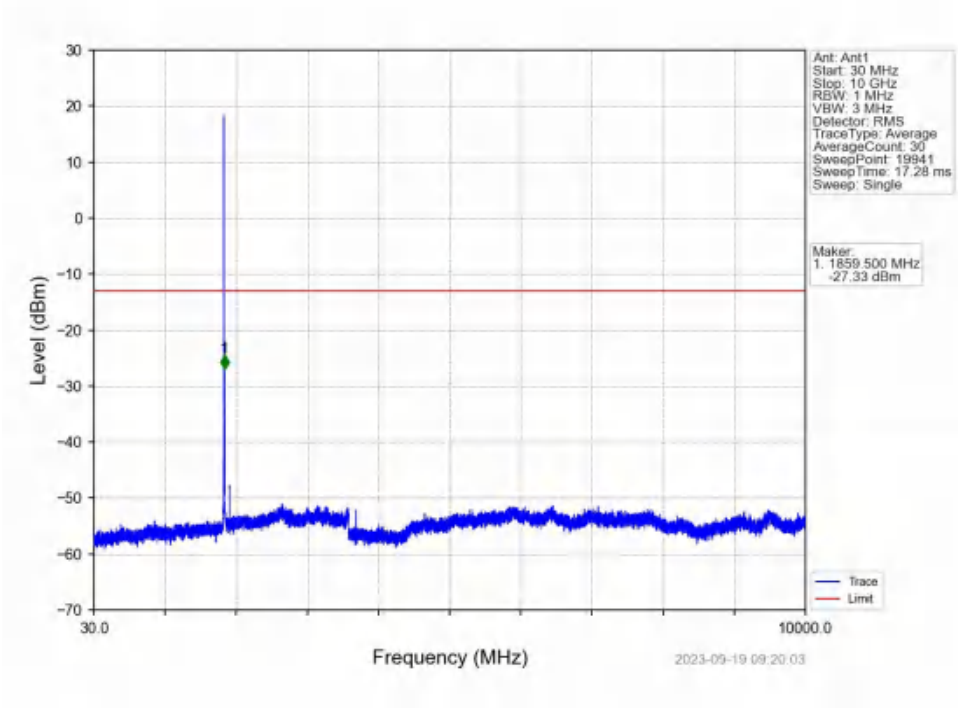

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1907 | 1910 | 0.036 | / | / | / | / | / | / |
| 1910 | 1911 | 0.036 | / | 1 | 1910.012 | -26.82 | -13 | Pass |
| 1911 | 1913 | 1 | CHP | 2 | 1911.002 | -21.38 | -13 | Pass |

Band2_3MHz_16QAM_LCH_1851.5MHz_RB_1_0_NTNV

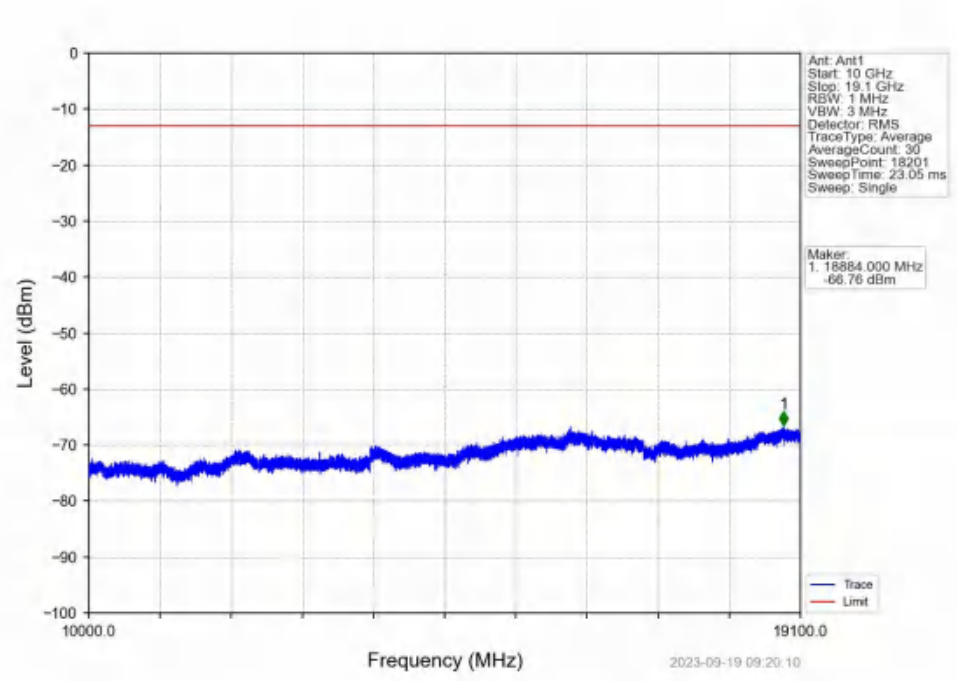



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1847 | 1849 | 1 | CHP | 1 | 1848.072 | -33.44 | -13 | Pass |
| 1849 | 1850 | 0.003 | / | 2 | 1850.000 | -26.80 | -13 | Pass |
| 1850 | 1853 | 0.003 | / | / | / | / | / | / |

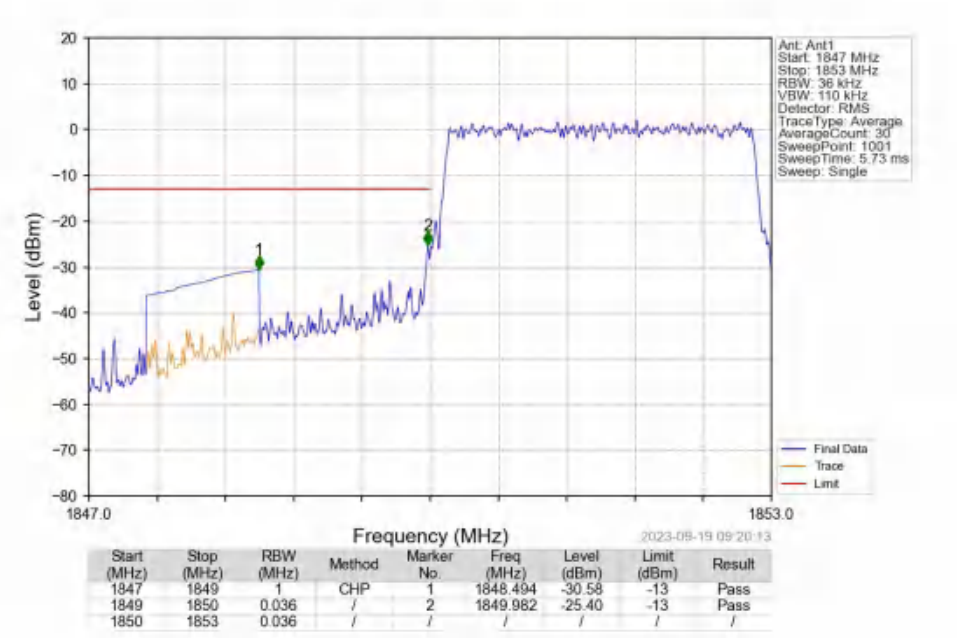
Band2_3MHz_16QAM_LCH_1851.5MHz_RB_1_0_NTNV



Band2_3MHz_16QAM_LCH_1851.5MHz_RB_1_0_NTNV

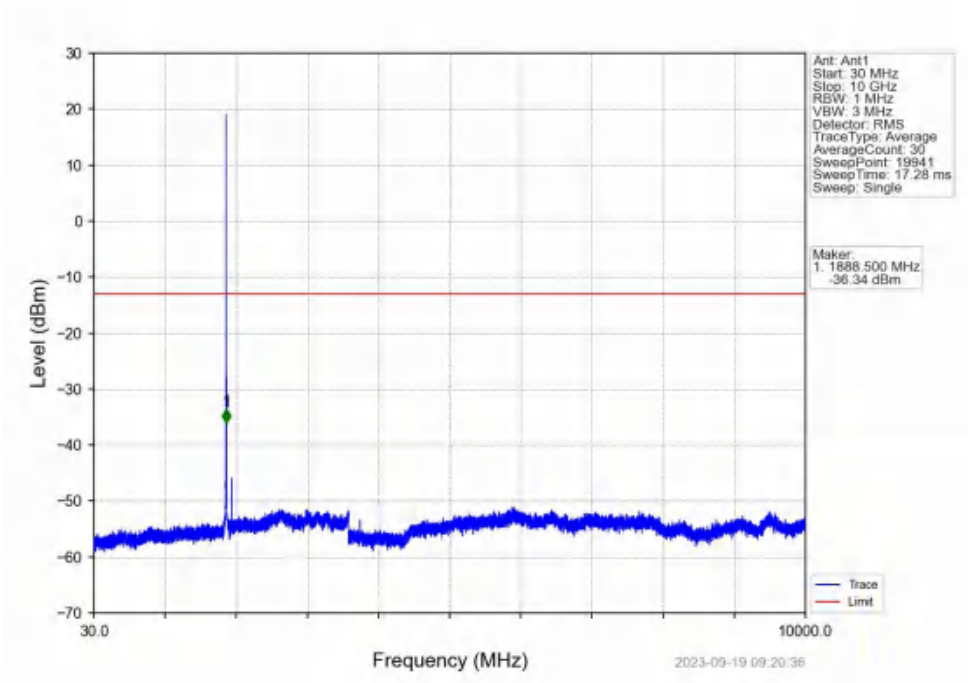



Band2_3MHz_16QAM_LCH_1851.5MHz_RB_15_0_NTNV

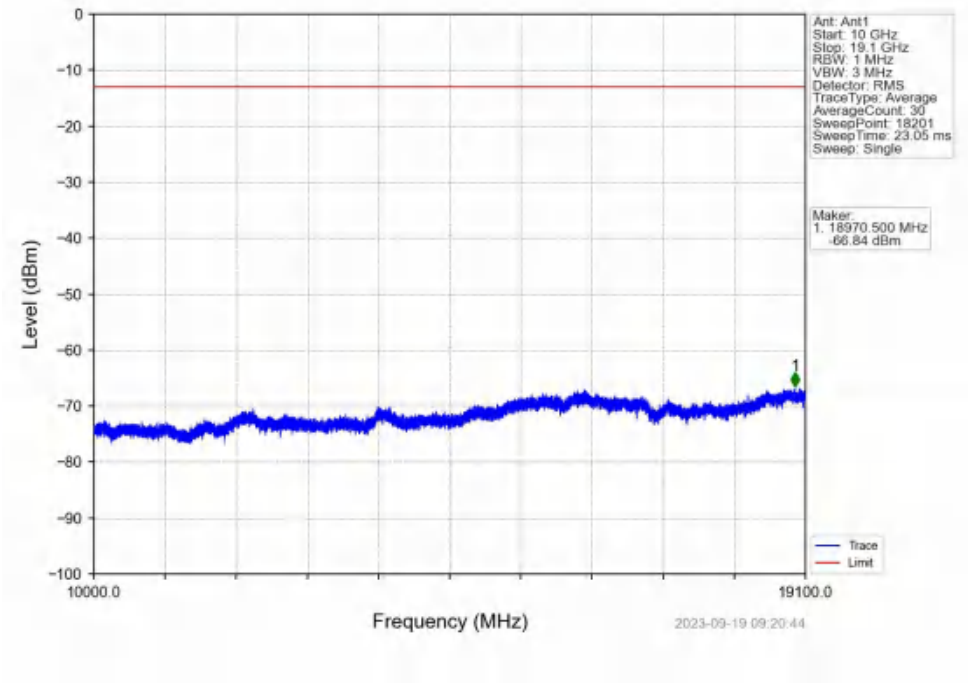



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1847 | 1849 | 1 | CHP | 1 | 1848.494 | -30.58 | -13 | Pass |
| 1849 | 1850 | 0.036 | / | 2 | 1849.982 | -25.40 | -13 | Pass |
| 1850 | 1853 | 0.036 | / | / | / | / | / | / |

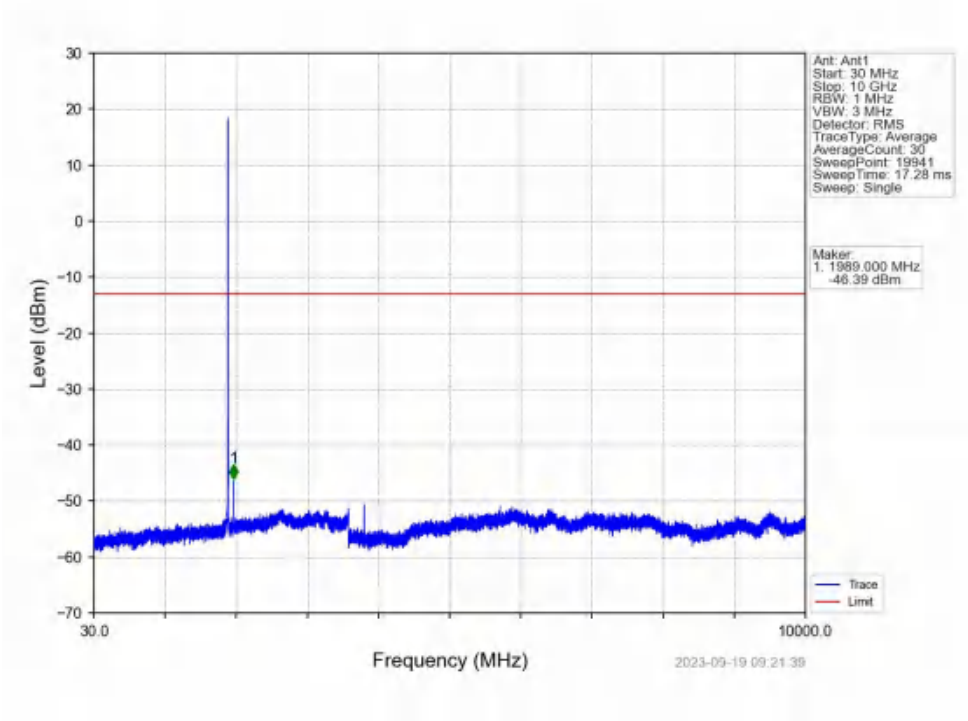
Band2_3MHz_16QAM_MCH_1880MHz_RB_1_0_NTNV



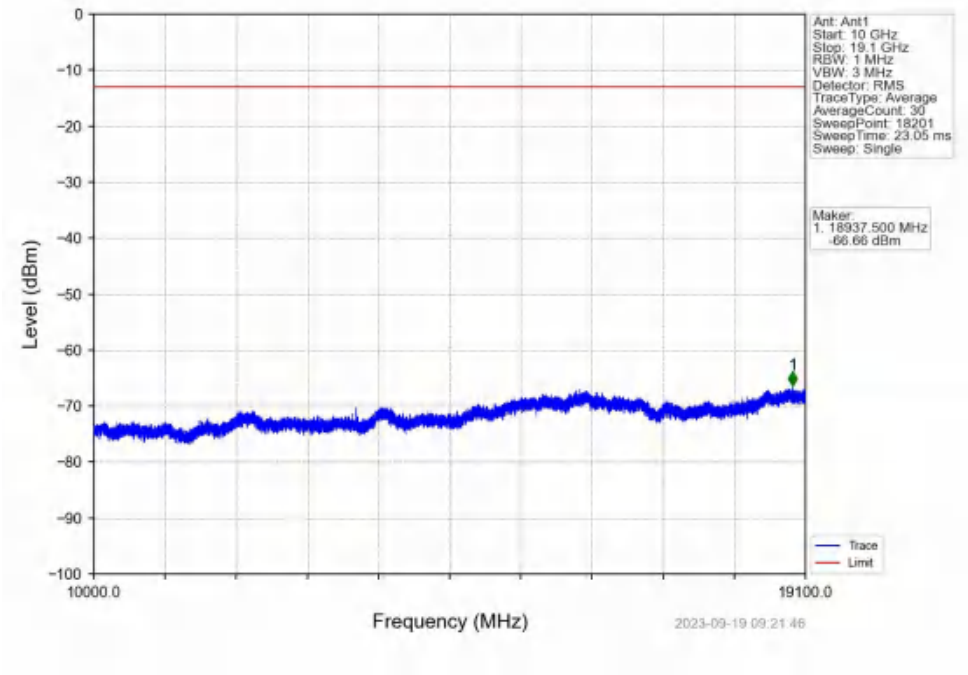

Band2_3MHz_16QAM_MCH_1880MHz_RB_1_0_NTNV



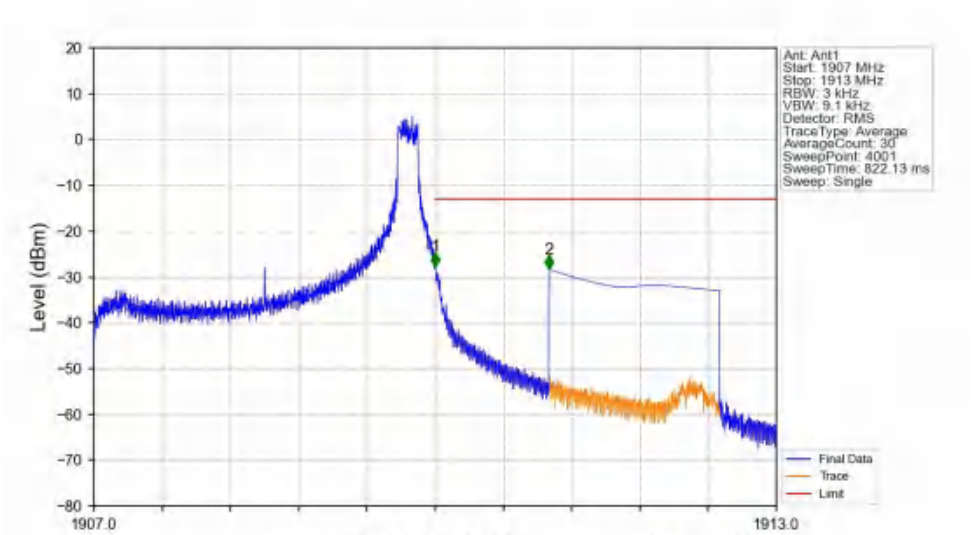
Band2_3MHz_16QAM_HCH_1908.5MHz_RB_1_0_NTNV




Band2_3MHz_16QAM_HCH_1908.5MHz_RB_1_0_NTNV

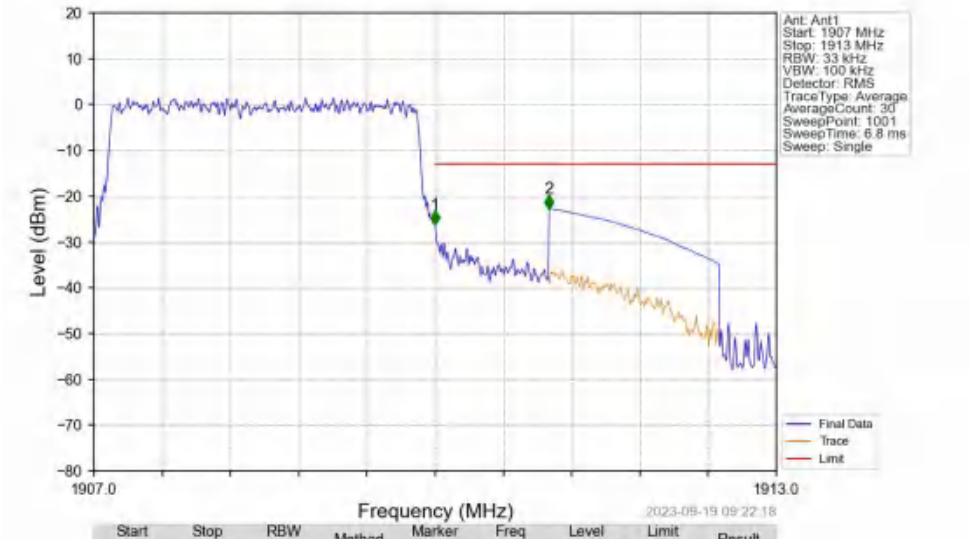


Band2_3MHz_16QAM_HCH_1908.5MHz_RB_1_14_NTNV




| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1907 | 1910 | 0.003 | / | / | / | / | / | / |
| 1910 | 1911 | 0.003 | / | 1 | 1910.002 | -27.72 | -13 | Pass |
| 1911 | 1913 | 1 | CHP | 2 | 1911.001 | -28.31 | -13 | Pass |

Band2_3MHz_16QAM_HCH_1908.5MHz_RB_15_0_NTNV




| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1907 | 1910 | 0.033 | / | / | / | / | / | / |
| 1910 | 1911 | 0.033 | / | 1 | 1910.000 | -26.28 | -13 | Pass |
| 1911 | 1913 | 1 | CHP | 2 | 1911.002 | -22.78 | -13 | Pass |

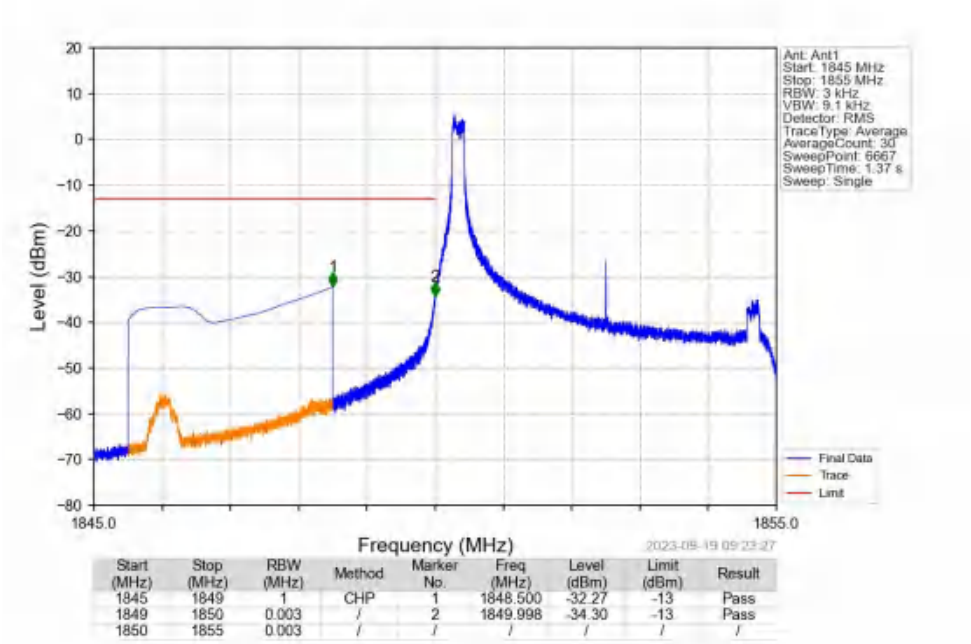
## 6.3 B2_5MHz

### 6.3.1 Test Result

| Band: 2 / Bandwidth: 5MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Spurious Emission | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 1852.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 25 | 0 | Refer To Test Graph | | Pass |
| | 1880 | 1 | 0 | Refer To Test Graph | | Pass |
| | 1907.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | | | 24 | Refer To Test Graph | | Pass |
| | | 25 | 0 | Refer To Test Graph | | Pass |
| 16QAM | 1852.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 25 | 0 | Refer To Test Graph | | Pass |
| | 1880 | 1 | 0 | Refer To Test Graph | | Pass |
| | 1907.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | | | 24 | Refer To Test Graph | | Pass |
| | | 25 | 0 | Refer To Test Graph | | Pass |

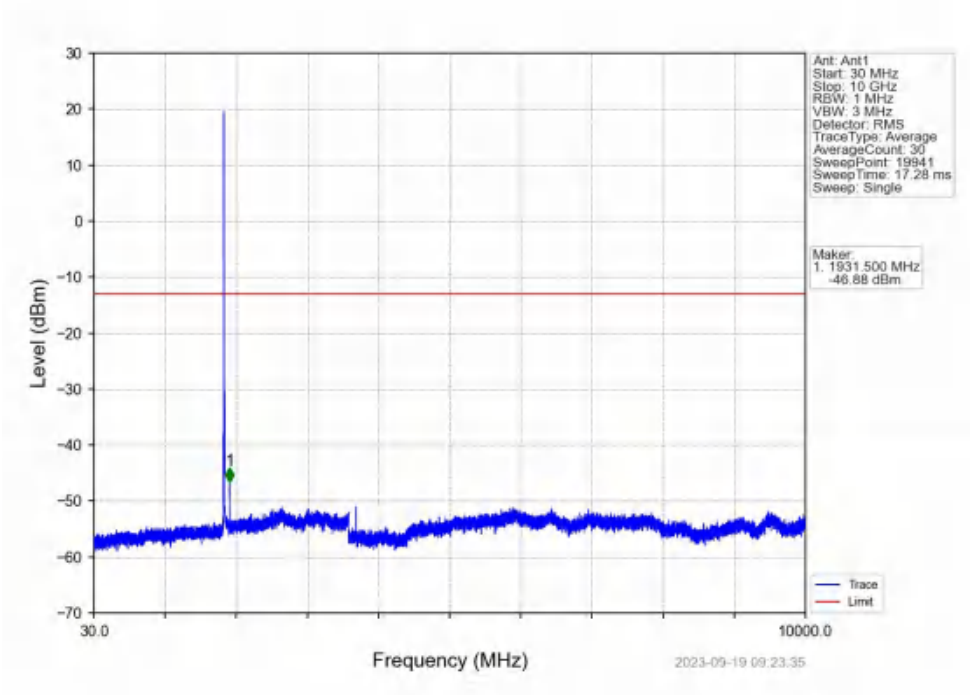
## 6.3.2 Test Graph

Band2_5MHz_QPSK_LCH_1852.5MHz_RB_1_0_NTNV

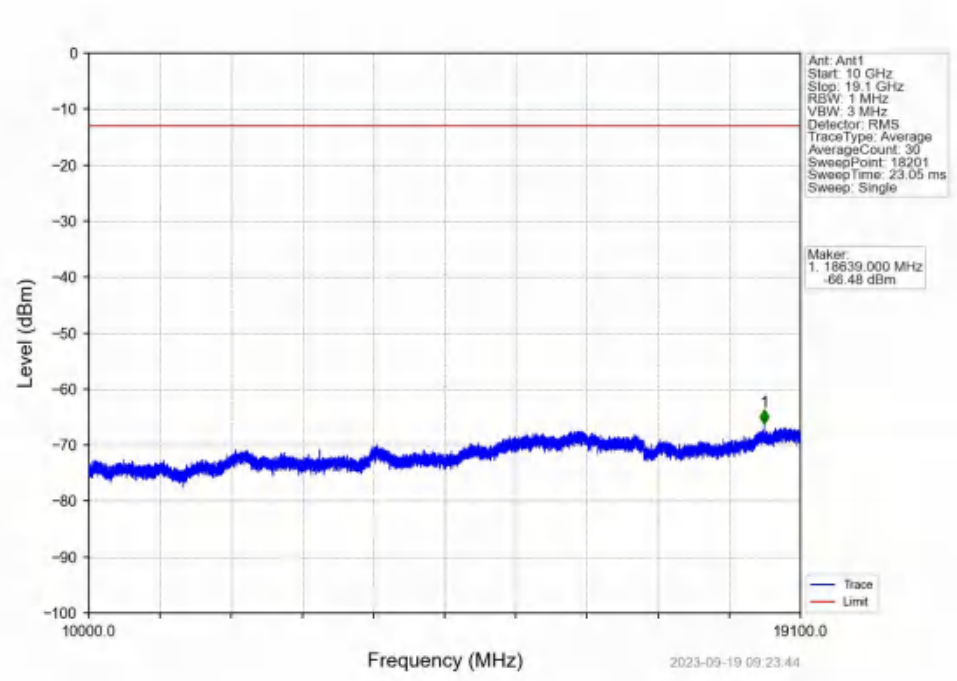



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1845 | 1849 | 1 | CHP | 1 | 1848.500 | -32.27 | -13 | Pass |
| 1849 | 1850 | 0.003 | / | 2 | 1849.998 | -34.30 | -13 | Pass |
| 1850 | 1855 | 0.003 | / | / | / | / | / | / |

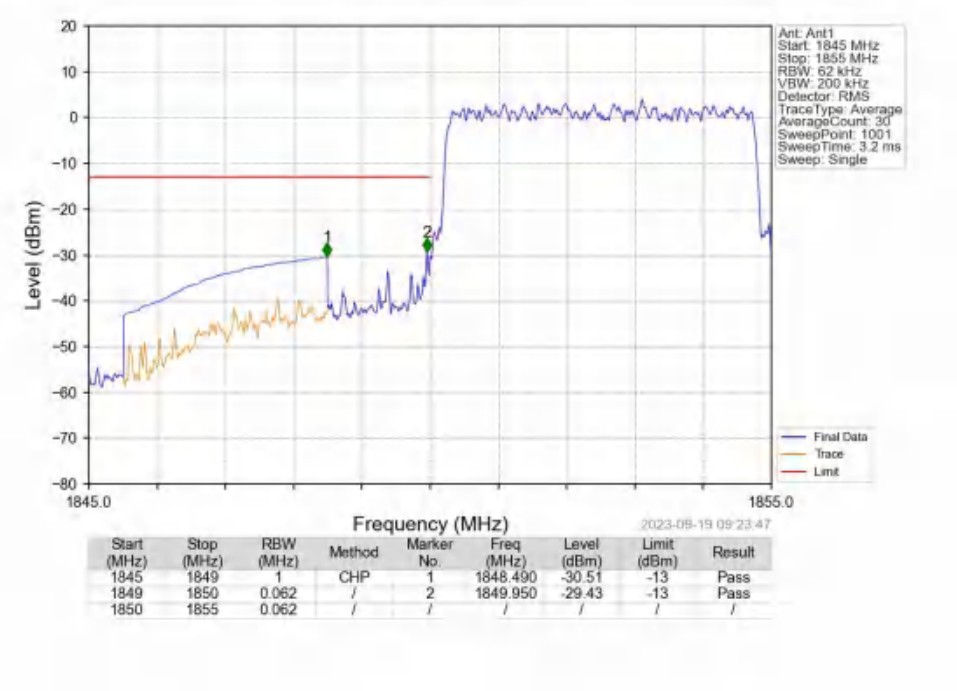
Band2_5MHz_QPSK_LCH_1852.5MHz_RB_1_0_NTNV



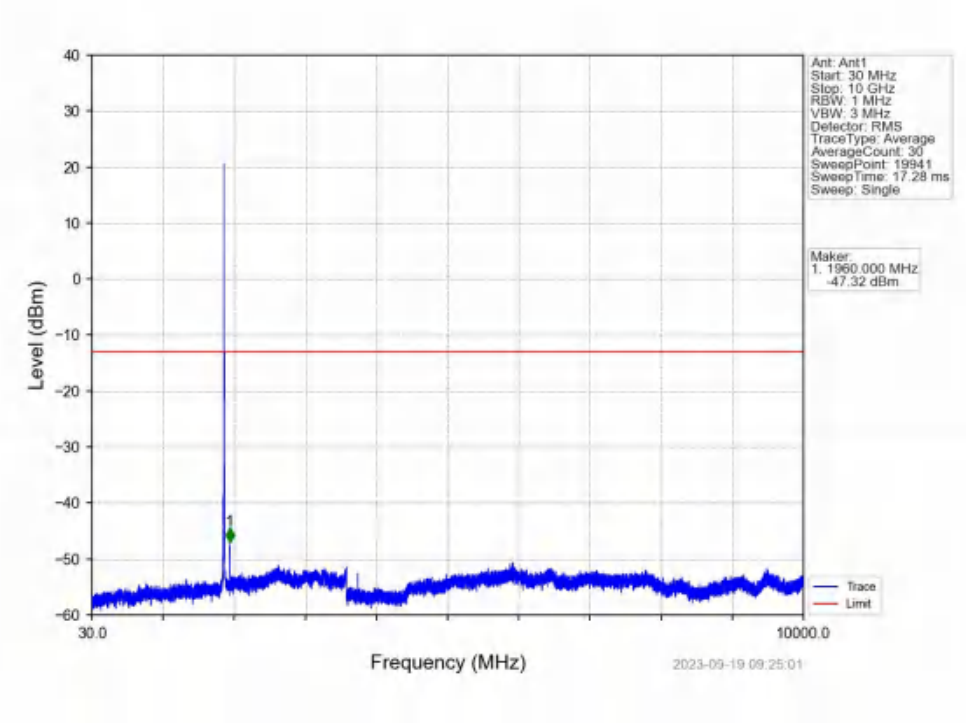
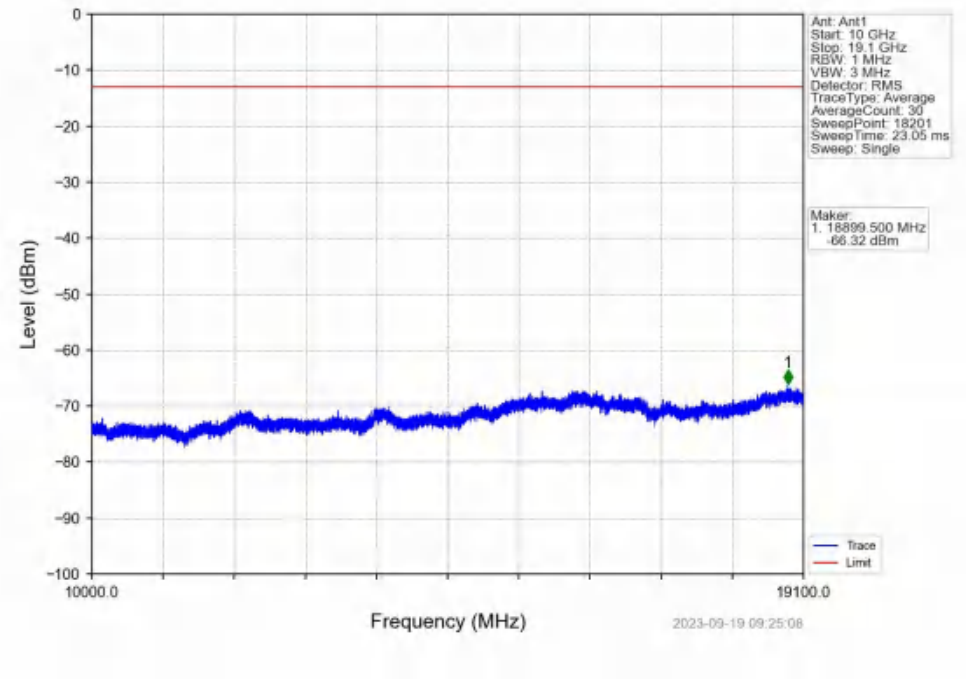
Band2_5MHz_QPSK_LCH_1852.5MHz_RB_1_0_NTNV



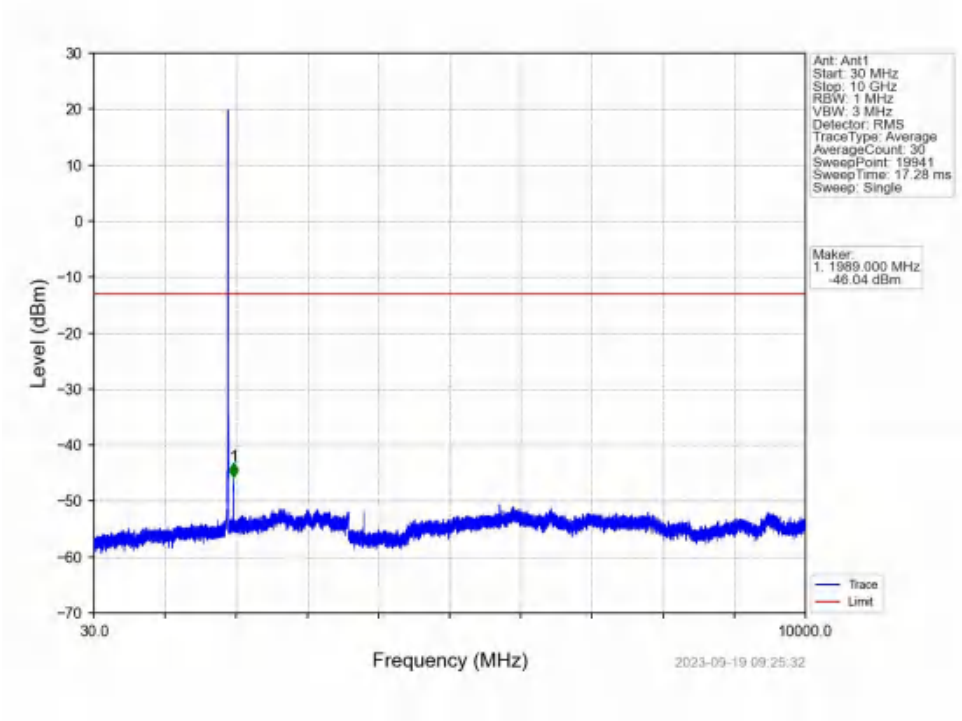

Band2_5MHz_QPSK_LCH_1852.5MHz_RB_25_0_NTNV



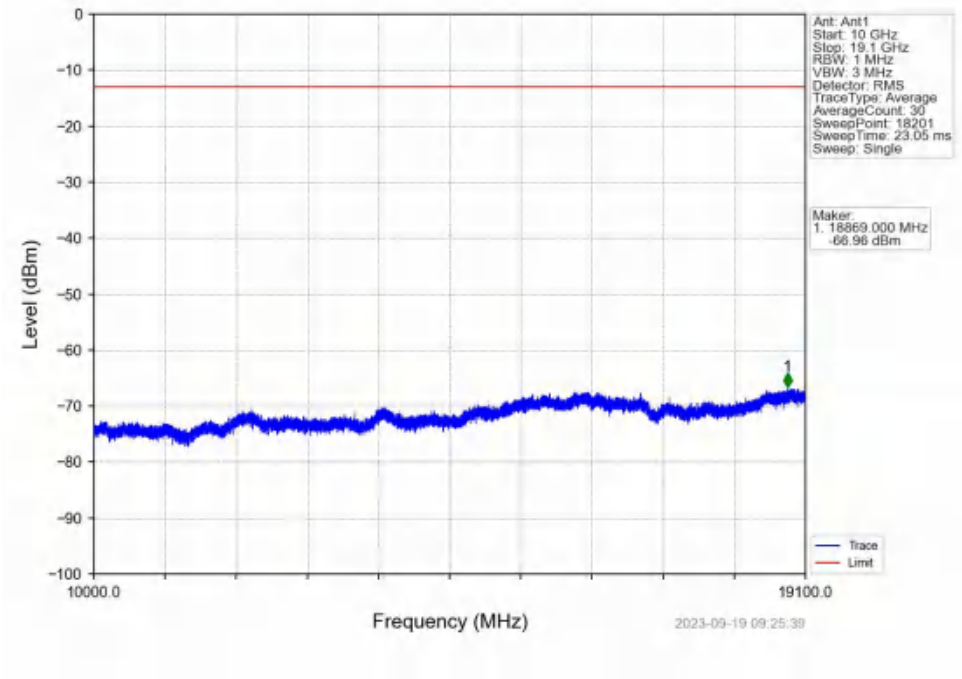

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1845 | 1849 | 1 | CHP | 1 | 1848.490 | -30.51 | -13 | Pass |
| 1849 | 1850 | 0.062 | / | 2 | 1849.950 | -29.43 | -13 | Pass |
| 1850 | 1855 | 0.062 | / | / | / | / | / | / |

| Band2_5MHz_QPSK_MCH_1880MHz_RB_1_0_NTNV |
| --- |
|  |
| Band2_5MHz_QPSK_MCH_1880MHz_RB_1_0_NTNV |
|  |

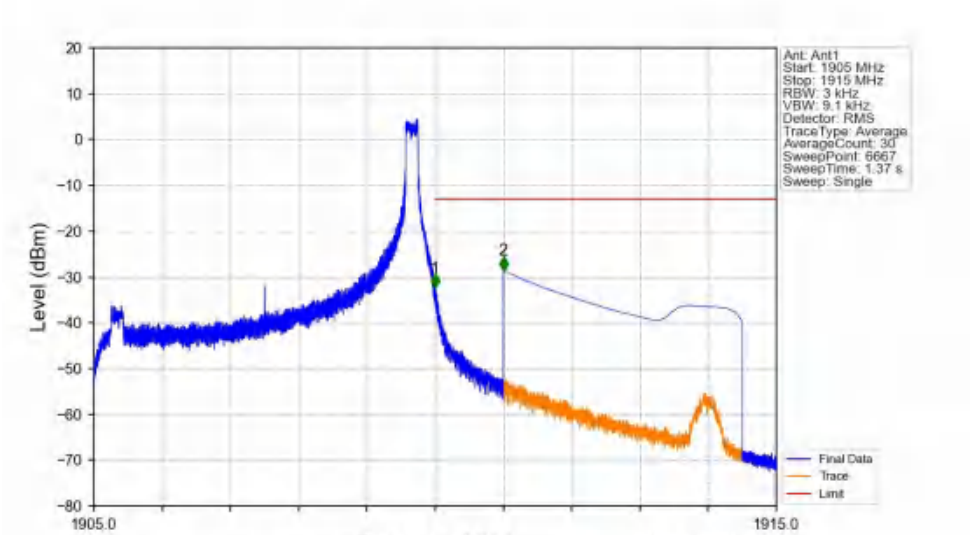
Band2_5MHz_QPSK_HCH_1907.5MHz_RB_1_0_NTNV




Band2_5MHz_QPSK_HCH_1907.5MHz_RB_1_0_NTNV

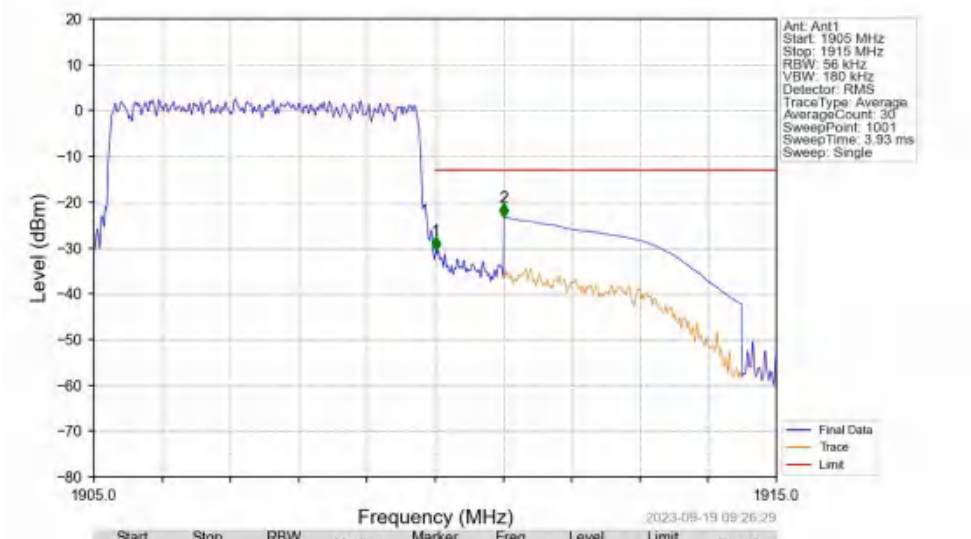


Band2_5MHz_QPSK_HCH_1907.5MHz_RB_1_24_NTNV



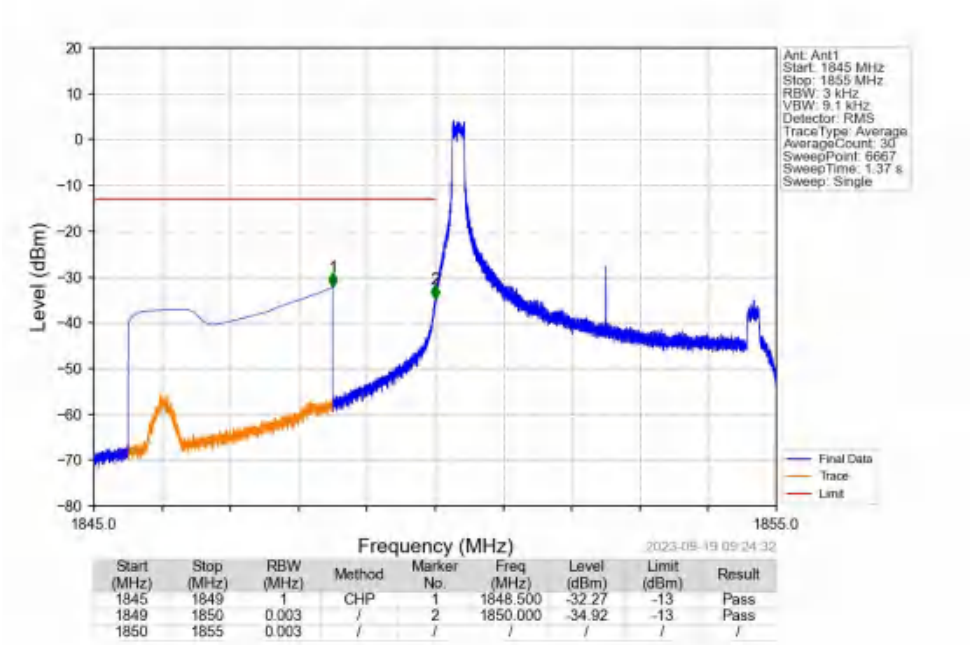

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1905 | 1910 | 0.003 | / | / | / | / | / | / |
| 1910 | 1911 | 0.003 | / | 1 | 1910.000 | -32.44 | -13 | Pass |
| 1911 | 1915 | 1 | CHP | 2 | 1911.001 | -28.61 | -13 | Pass |

Band2_5MHz_QPSK_HCH_1907.5MHz_RB_25_0_NTNV



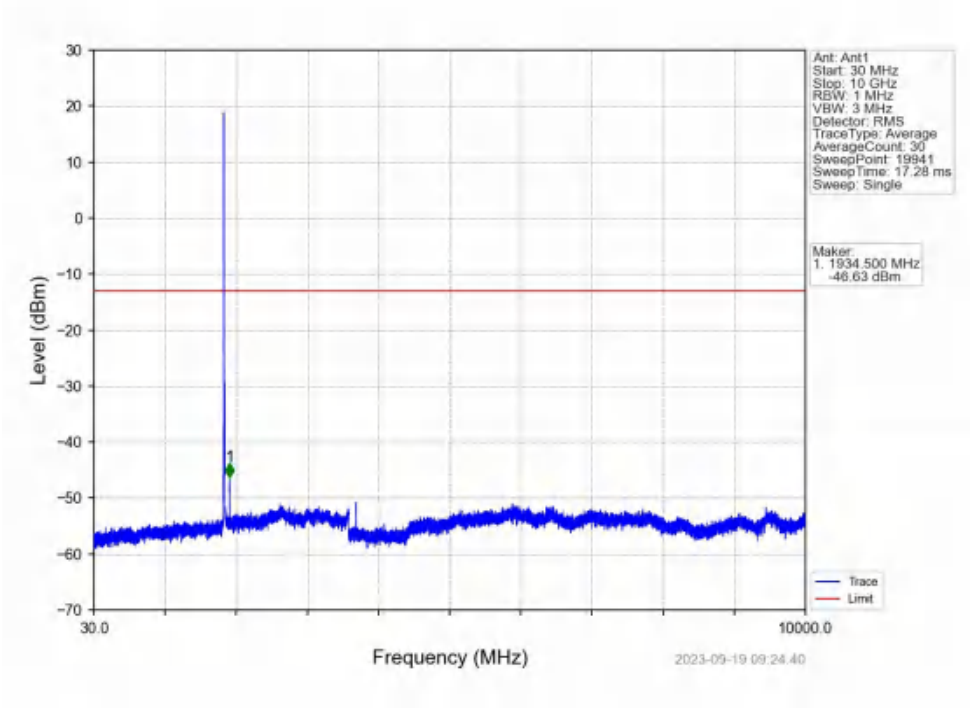

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1905 | 1910 | 0.056 | / | / | / | / | / | / |
| 1910 | 1911 | 0.056 | / | 1 | 1910.010 | -30.60 | -13 | Pass |
| 1911 | 1915 | 1 | CHP | 2 | 1911.010 | -23.33 | -13 | Pass |

Band2_5MHz_16QAM_LCH_1852.5MHz_RB_1_0_NTNV

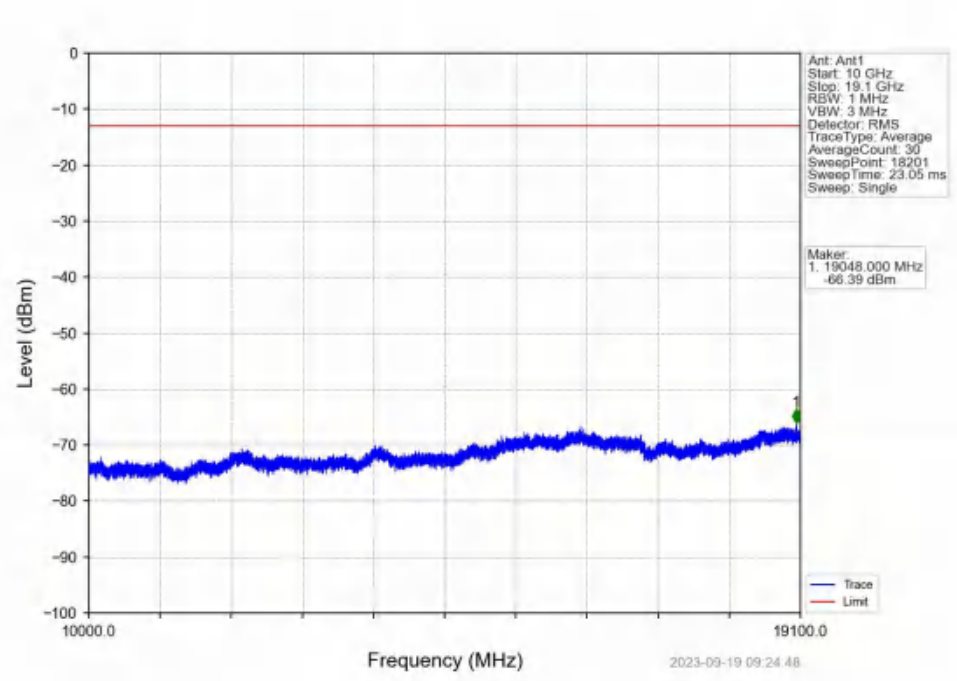



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1845 | 1849 | 1 | CHP | 1 | 1848.500 | -32.27 | -13 | Pass |
| 1849 | 1850 | 0.003 | / | 2 | 1850.000 | -34.92 | -13 | Pass |
| 1850 | 1855 | 0.003 | / | / | / | / | / | / |

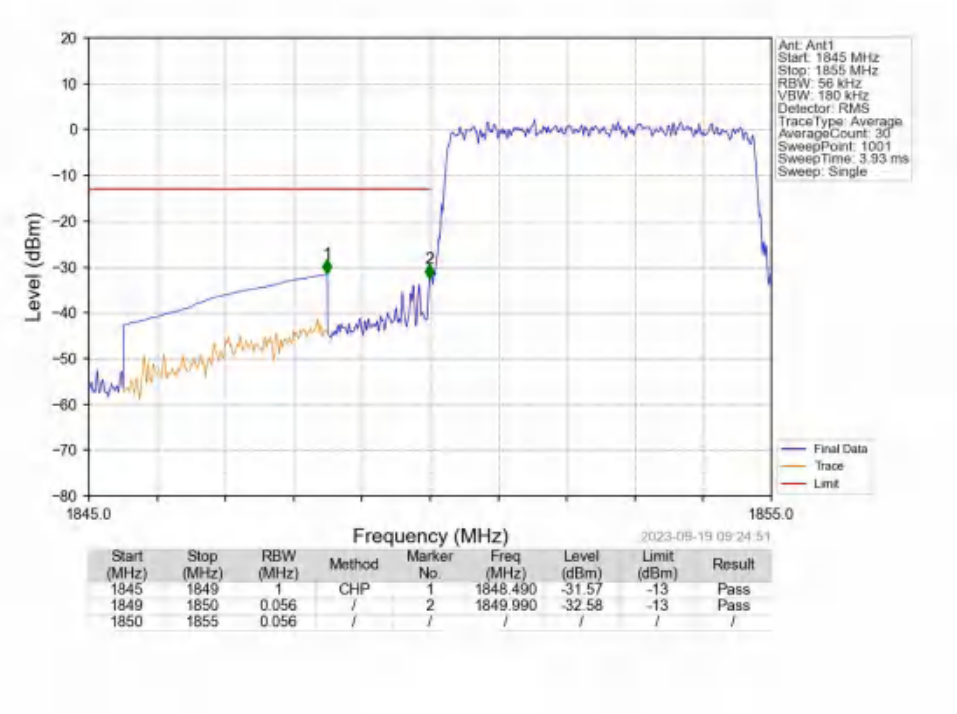
Band2_5MHz_16QAM_LCH_1852.5MHz_RB_1_0_NTNV



Band2_5MHz_16QAM_LCH_1852.5MHz_RB_1_0_NTNV

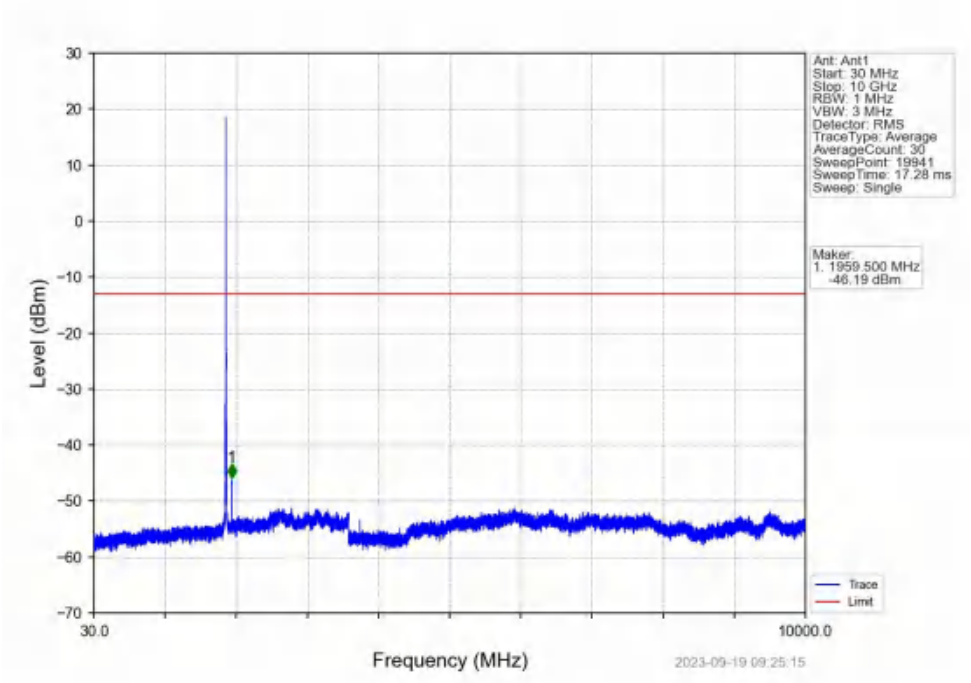



Band2_5MHz_16QAM_LCH_1852.5MHz_RB_25_0_NTNV

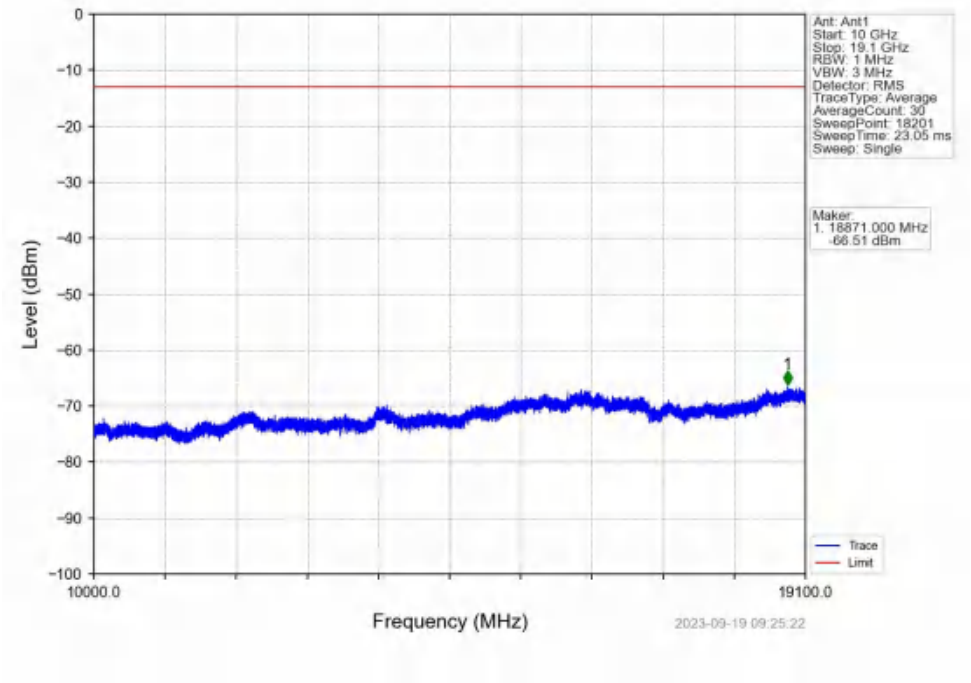



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1845 | 1849 | 1 | CHP | 1 | 1848.490 | -31.57 | -13 | Pass |
| 1849 | 1850 | 0.056 | / | 2 | 1849.990 | -32.58 | -13 | Pass |
| 1850 | 1855 | 0.056 | / | / | / | / | / | / |

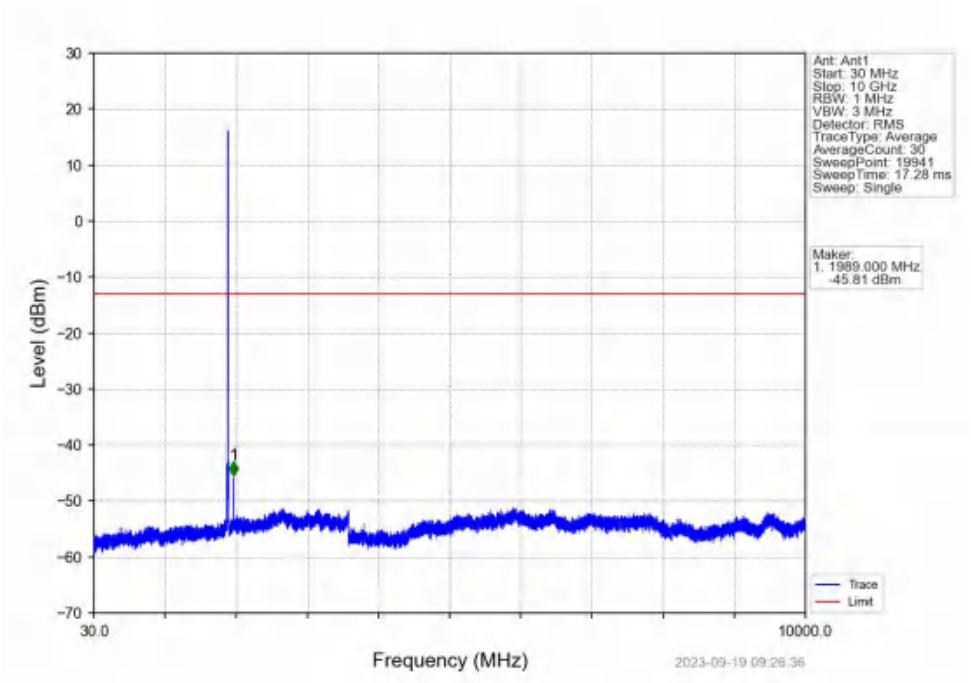
Band2_5MHz_16QAM_MCH_1880MHz_RB_1_0_NTNV



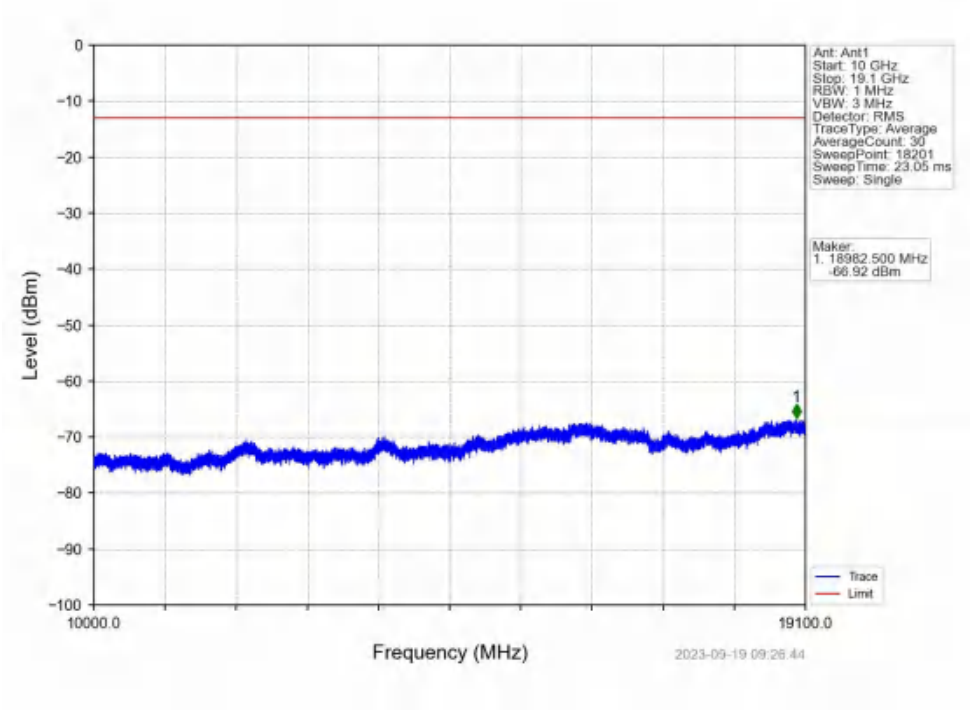

Band2_5MHz_16QAM_MCH_1880MHz_RB_1_0_NTNV



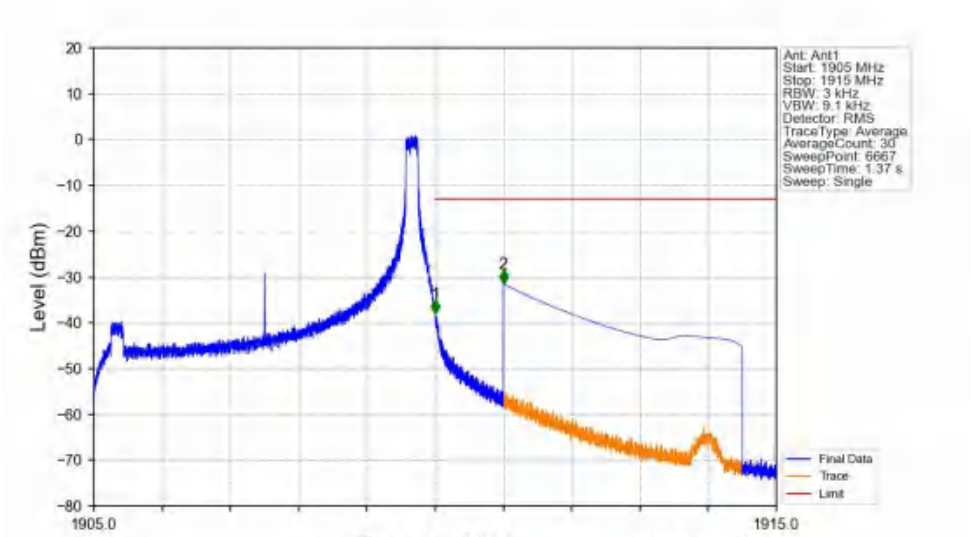
Band2_5MHz_16QAM_HCH_1907.5MHz_RB_1_0_NTNV




Band2_5MHz_16QAM_HCH_1907.5MHz_RB_1_0_NTNV

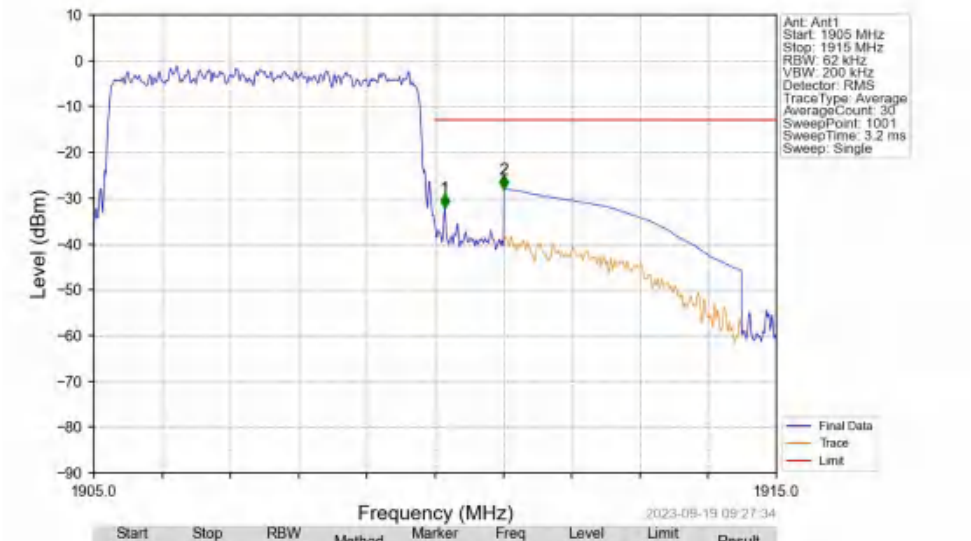


Band2_5MHz_16QAM_HCH_1907.5MHz_RB_1_24_NTNV




| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1905 | 1910 | 0.003 | / | / | / | / | / | / |
| 1910 | 1911 | 0.003 | / | 1 | 1910.002 | -38.00 | -13 | Pass |
| 1911 | 1915 | 1 | CHP | 2 | 1911.001 | -31.50 | -13 | Pass |

Band2_5MHz_16QAM_HCH_1907.5MHz_RB_25_0_NTNV




| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1905 | 1910 | 0.062 | / | / | / | / | / | / |
| 1910 | 1911 | 0.062 | / | 1 | 1910.140 | -32.21 | -13 | Pass |
| 1911 | 1915 | 1 | CHP | 2 | 1911.010 | -28.05 | -13 | Pass |

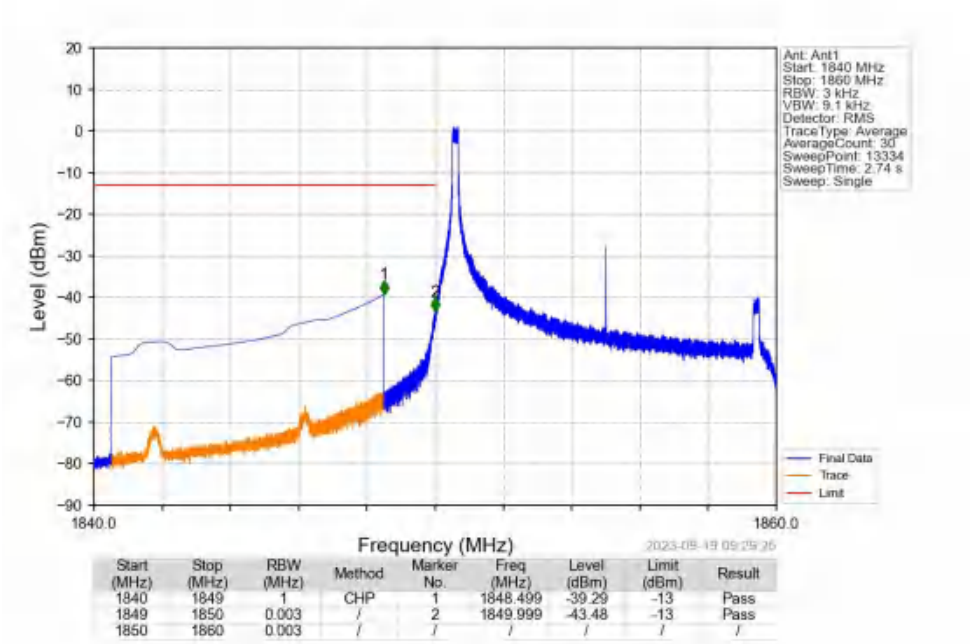
## 6.4 B2_10MHz

### 6.4.1 Test Result

| Band: 2 / Bandwidth: 10MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Spurious Emission | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 1855 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 50 | 0 | Refer To Test Graph | | Pass |
| | 1880 | 1 | 0 | Refer To Test Graph | | Pass |
| | 1905 | 1 | 0 | Refer To Test Graph | | Pass |
| | | | 49 | Refer To Test Graph | | Pass |
| | | 50 | 0 | Refer To Test Graph | | Pass |
| 16QAM | 1855 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 50 | 0 | Refer To Test Graph | | Pass |
| | 1880 | 1 | 0 | Refer To Test Graph | | Pass |
| | 1905 | 1 | 0 | Refer To Test Graph | | Pass |
| | | | 49 | Refer To Test Graph | | Pass |
| | | 50 | 0 | Refer To Test Graph | | Pass |

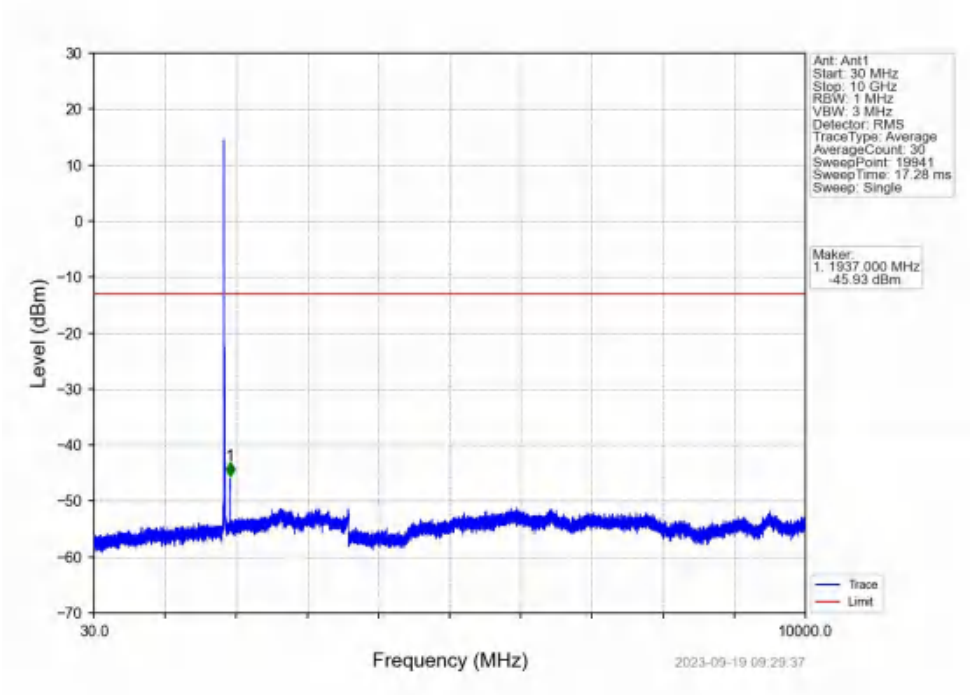
## 6.4.2 Test Graph

Band2_10MHz_QPSK_LCH_1855MHz_RB_1_0_NTNV

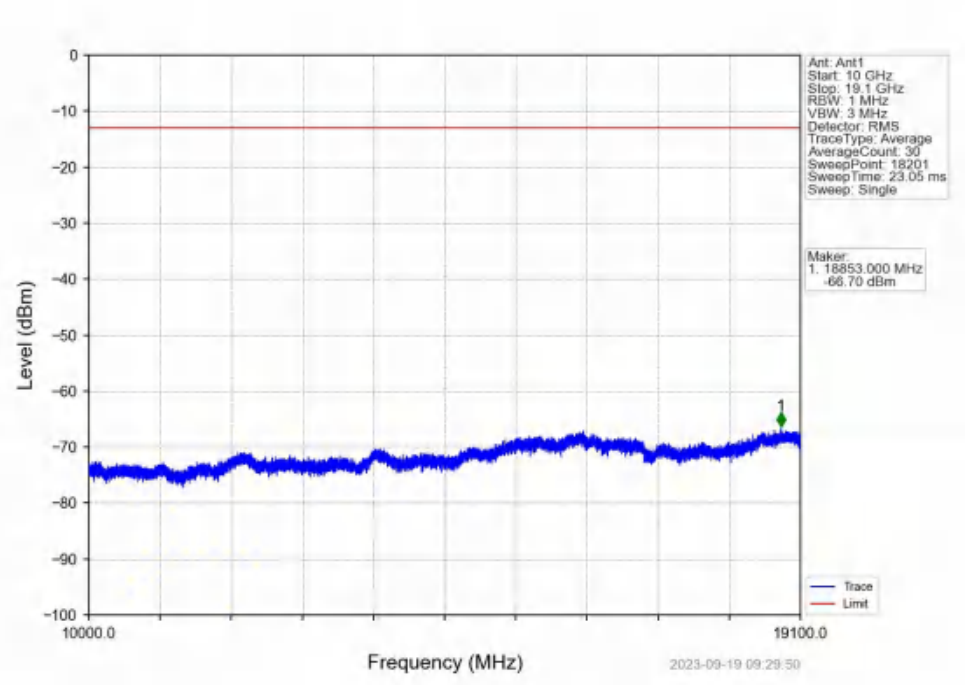



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1840 | 1849 | 1 | CHP | 1 | 1848.499 | -39.29 | -13 | Pass |
| 1849 | 1850 | 0.003 | / | 2 | 1849.999 | -43.48 | -13 | Pass |
| 1850 | 1860 | 0.003 | / | / | / | / | / | / |

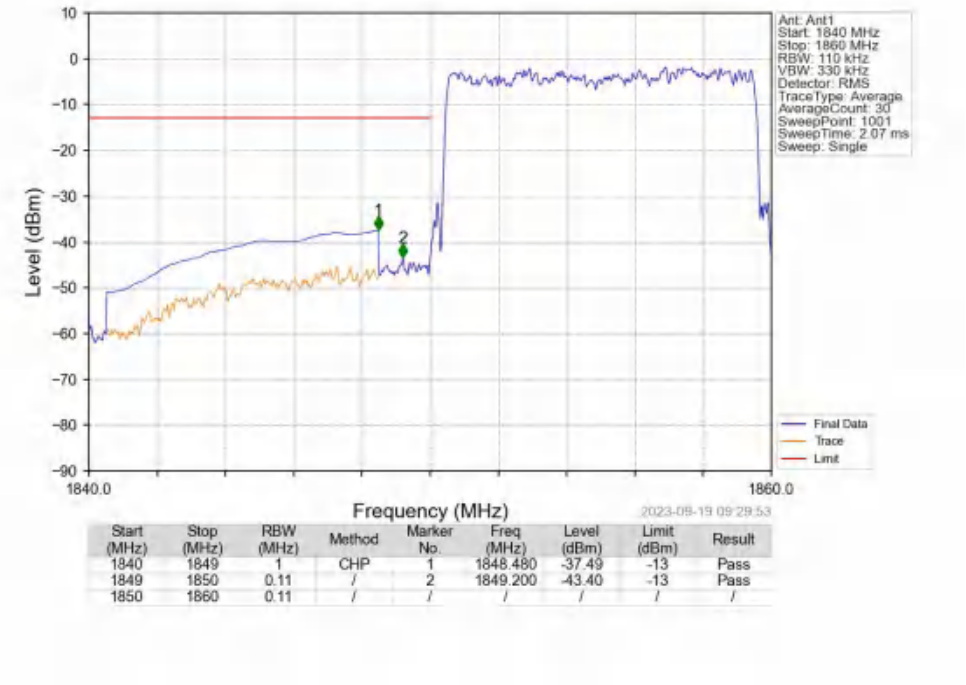
Band2_10MHz_QPSK_LCH_1855MHz_RB_1_0_NTNV



Band2_10MHz_QPSK_LCH_1855MHz_RB_1_0_NTNV

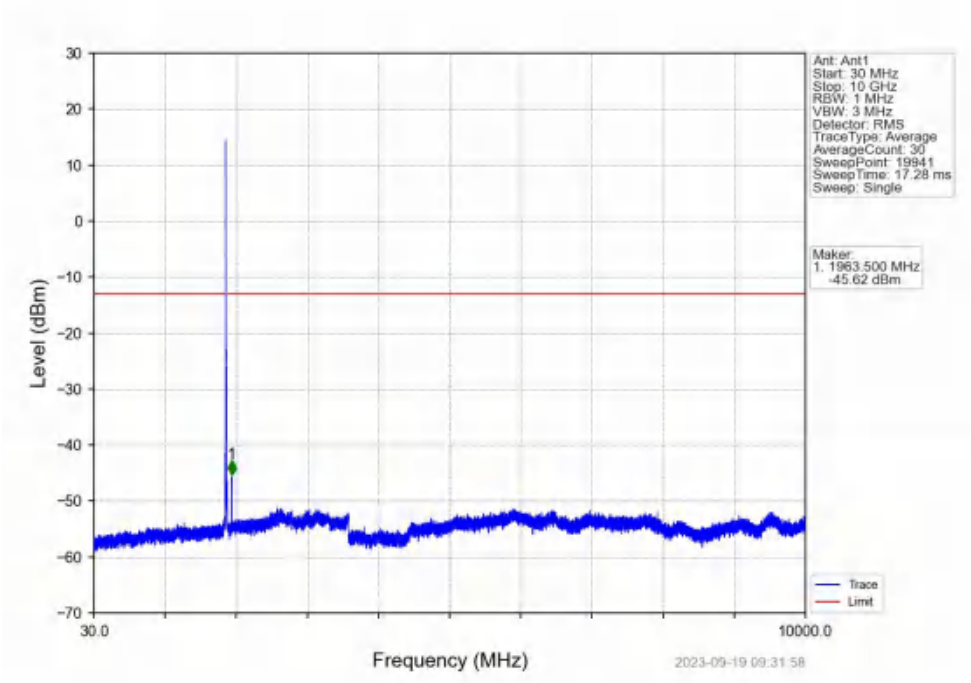



Band2_10MHz_QPSK_LCH_1855MHz_RB_50_0_NTNV

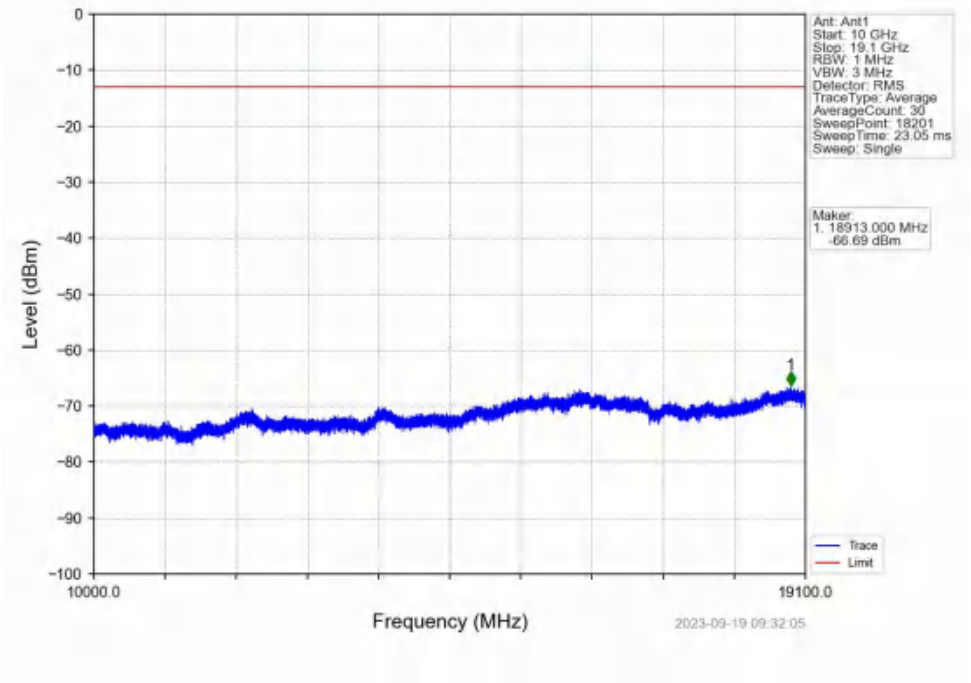


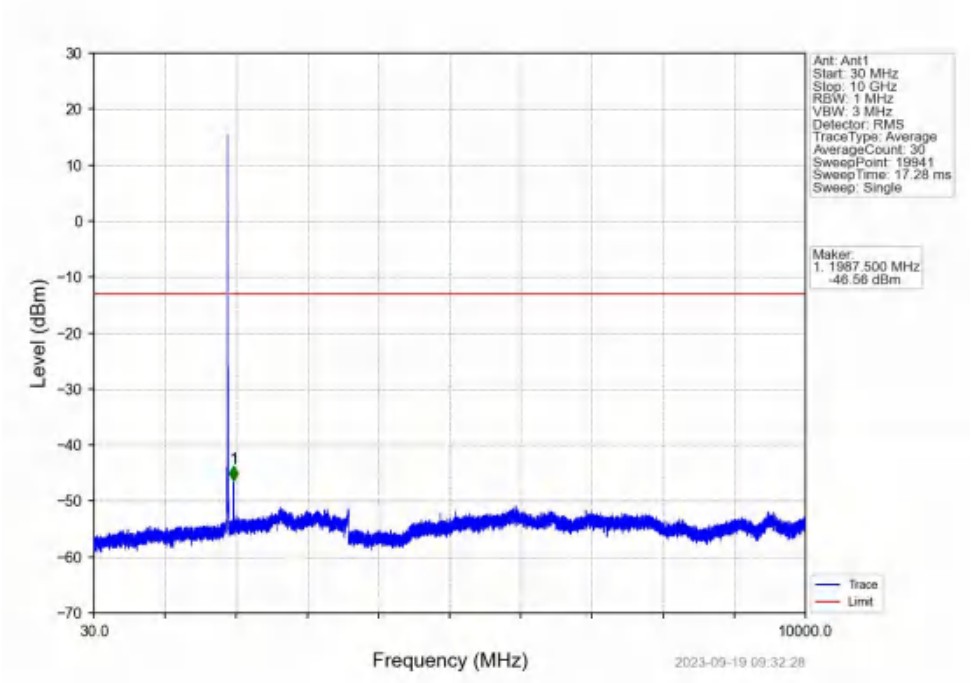
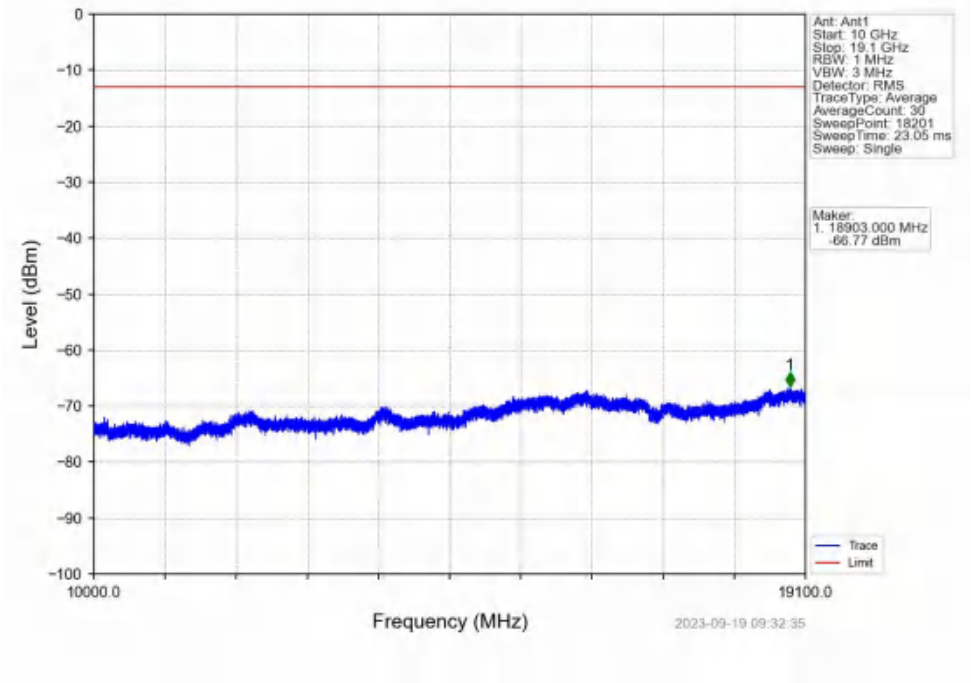

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1840 | 1849 | 1 | CHP | 1 | 1848.480 | -37.49 | -13 | Pass |
| 1849 | 1850 | 0.11 | / | 2 | 1849.200 | -43.40 | -13 | Pass |
| 1850 | 1860 | 0.11 | / | / | / | / | / | / |

Band2_10MHz_QPSK_MCH_1880MHz_RB_1_0_NTNV

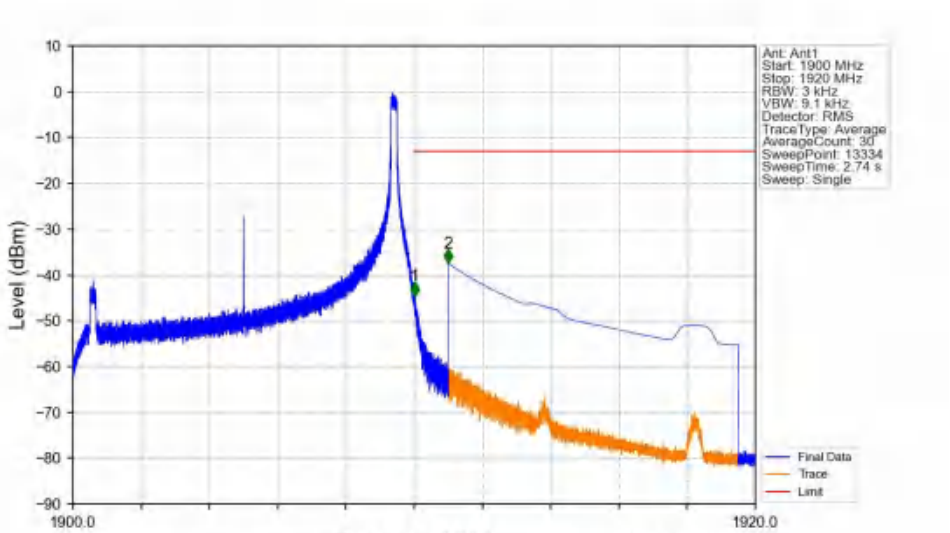



Band2_10MHz_QPSK_MCH_1880MHz_RB_1_0_NTNV



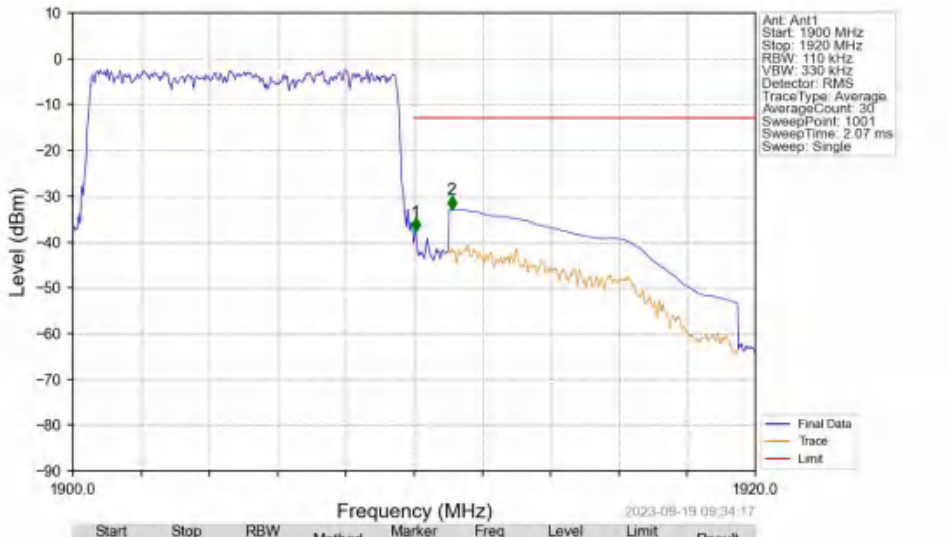
| Band2_10MHz_QPSK_HCH_1905MHz_RB_1_0_NTNV |
| --- |
|  |
| Band2_10MHz_QPSK_HCH_1905MHz_RB_1_0_NTNV |
|  |

Band2_10MHz_QPSK_HCH_1905MHz_RB_1_49_NTNV



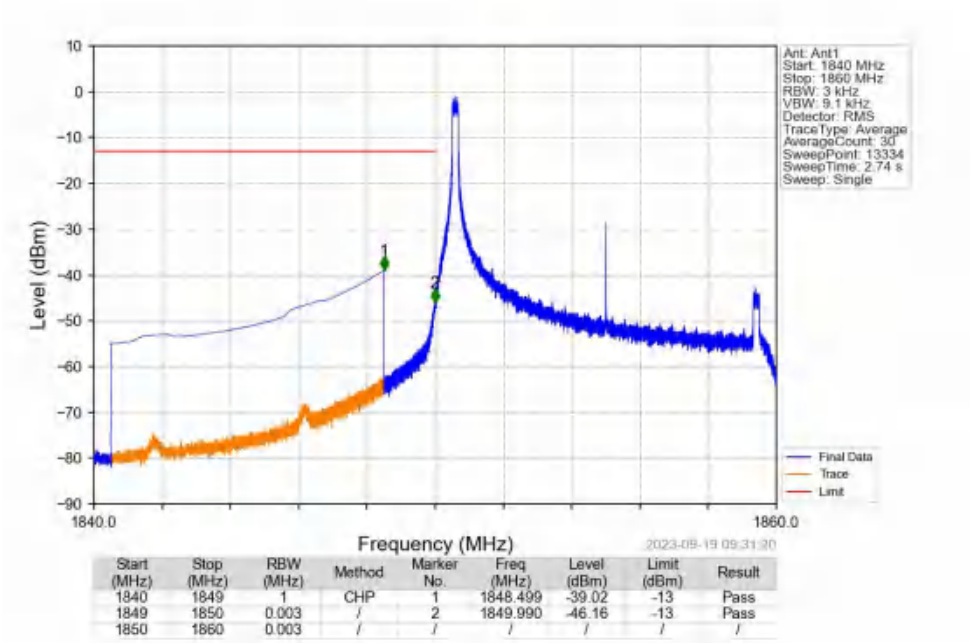

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1900 | 1910 | 0.003 | / | / | / | / | / | / |
| 1910 | 1911 | 0.003 | / | 1 | 1910.013 | -44.58 | -13 | Pass |
| 1911 | 1920 | 1 | CHP | 2 | 1911.001 | -37.46 | -13 | Pass |

Band2_10MHz_QPSK_HCH_1905MHz_RB_50_0_NTNV



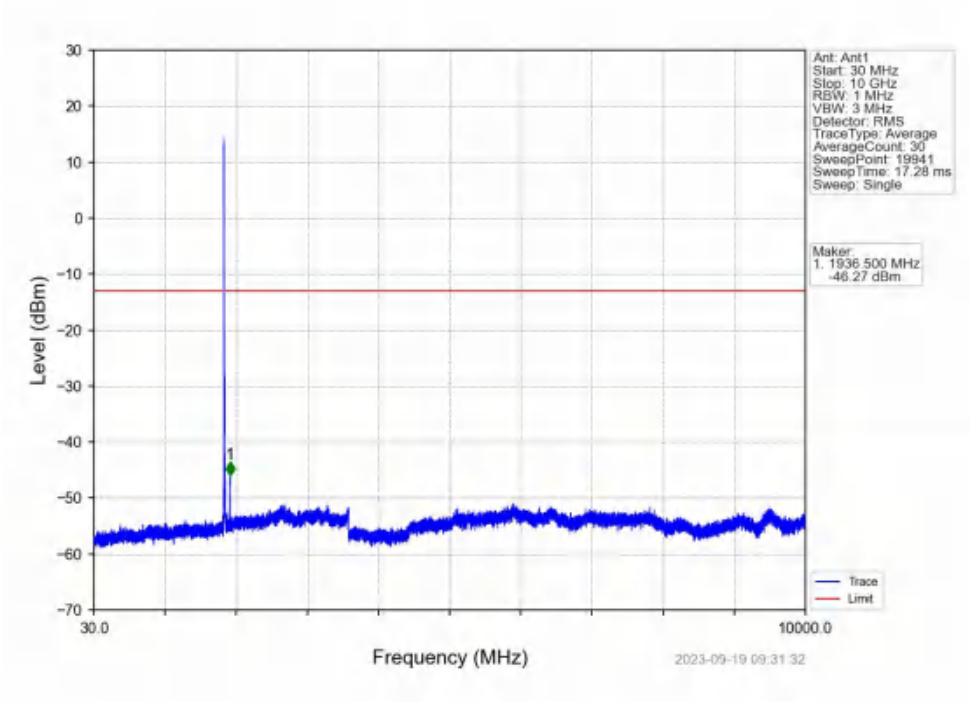

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1900 | 1910 | 0.11 | / | / | / | / | / | / |
| 1910 | 1911 | 0.11 | / | 1 | 1910.040 | -37.79 | -13 | Pass |
| 1911 | 1920 | 1 | CHP | 2 | 1911.100 | -32.97 | -13 | Pass |

Band2_10MHz_16QAM_LCH_1855MHz_RB_1_0_NTNV

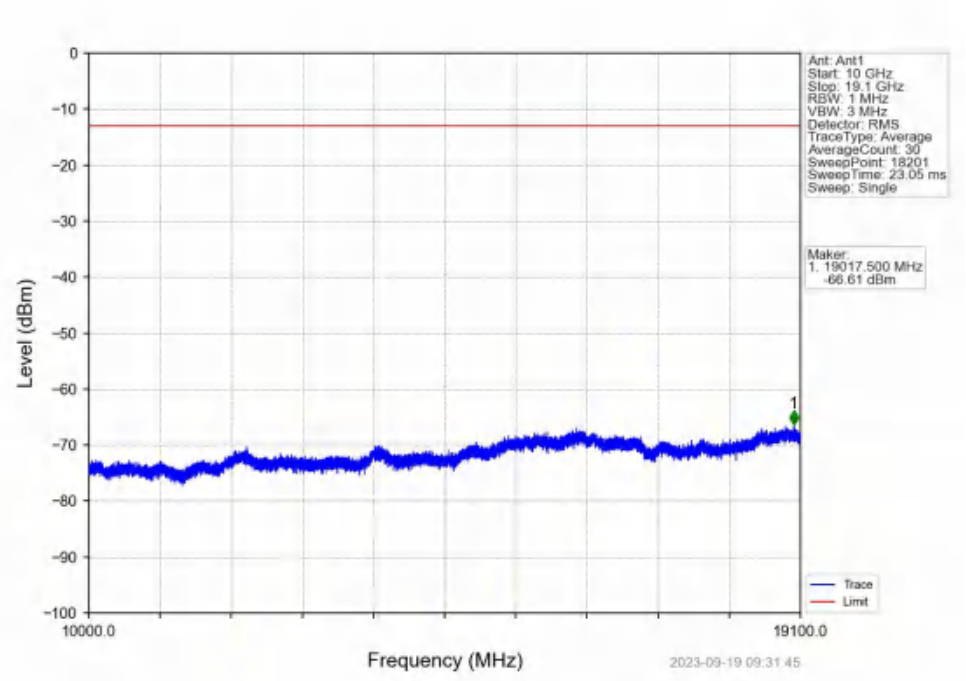



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1840 | 1849 | 1 | CHP | 1 | 1848.499 | -39.02 | -13 | Pass |
| 1849 | 1850 | 0.003 | / | 2 | 1849.990 | -46.16 | -13 | Pass |
| 1850 | 1860 | 0.003 | / | / | / | / | / | / |

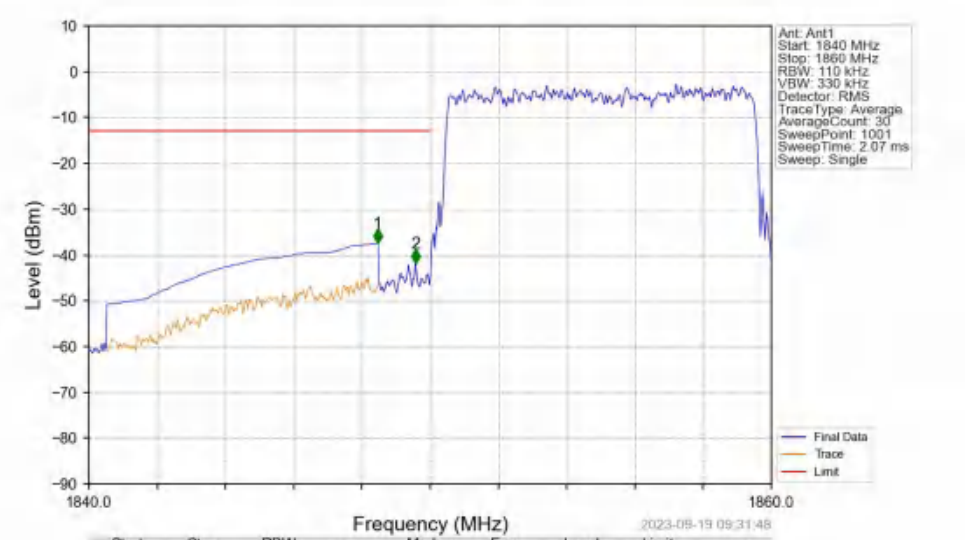
Band2_10MHz_16QAM_LCH_1855MHz_RB_1_0_NTNV



Band2_10MHz_16QAM_LCH_1855MHz_RB_1_0_NTNV

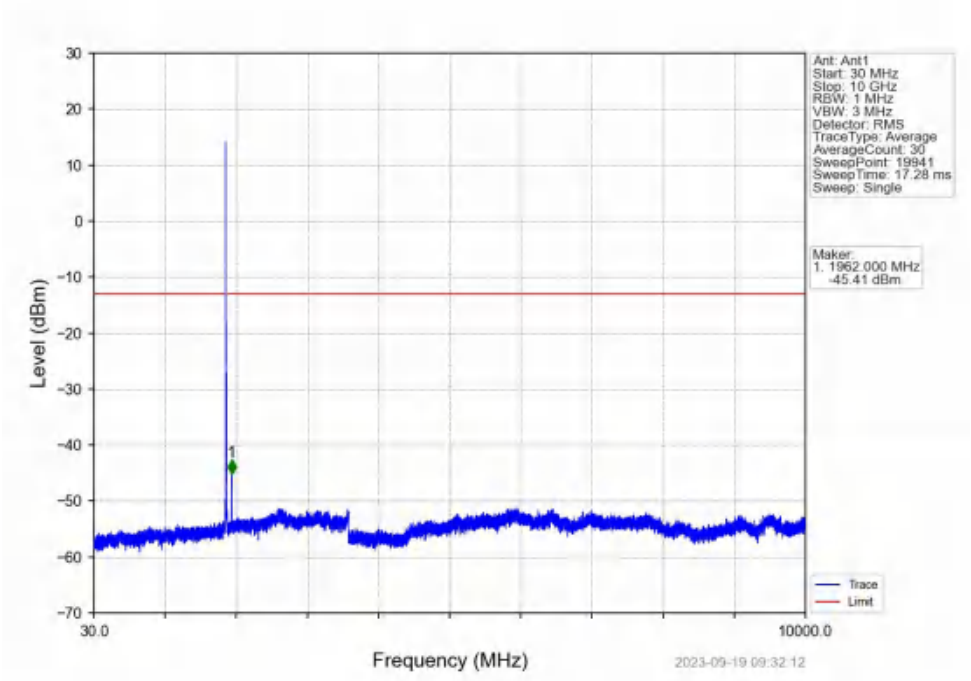



Band2_10MHz_16QAM_LCH_1855MHz_RB_50_0_NTNV

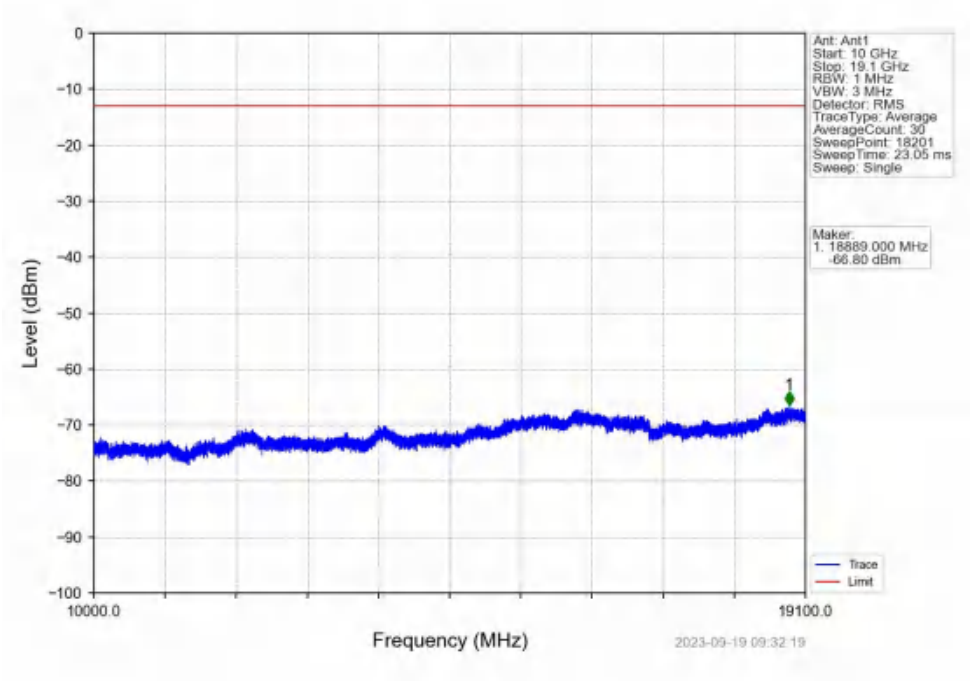



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1840 | 1849 | 1 | CHP | 1 | 1848.460 | -37.46 | -13 | Pass |
| 1849 | 1850 | 0.11 | / | 2 | 1849.580 | -41.91 | -13 | Pass |
| 1850 | 1860 | 0.11 | / | / | / | / | / | / |

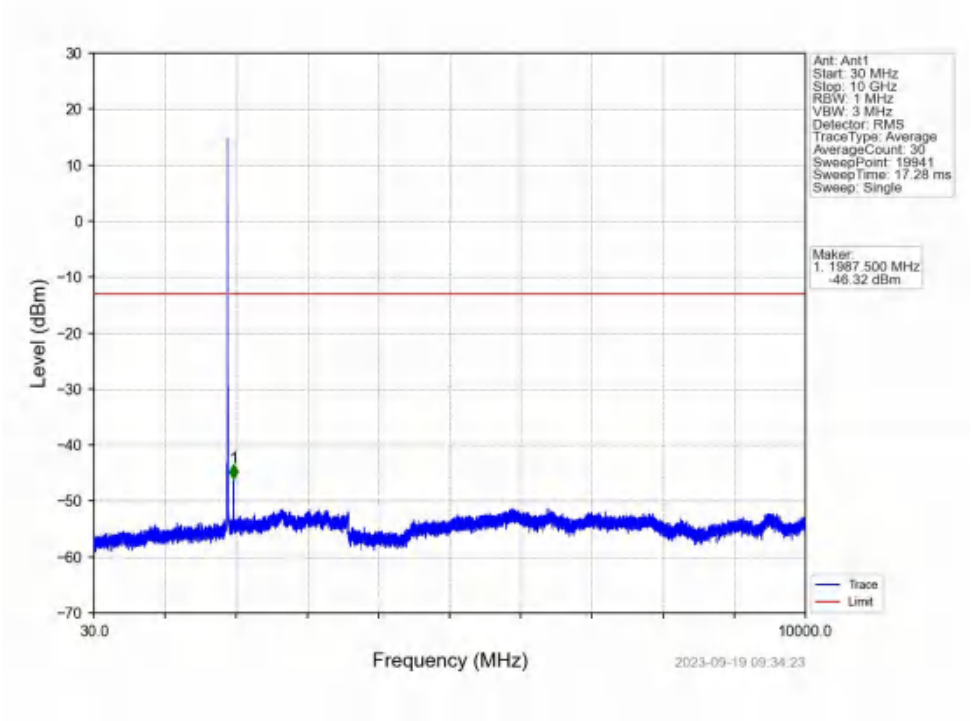
Band2_10MHz_16QAM_MCH_1880MHz_RB_1_0_NTNV



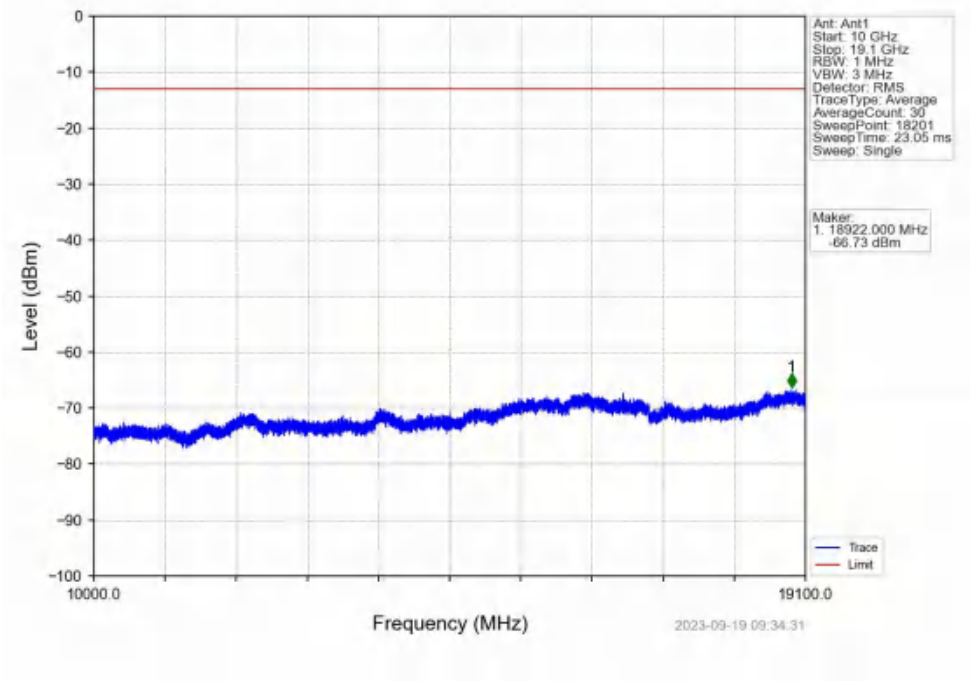

Band2_10MHz_16QAM_MCH_1880MHz_RB_1_0_NTNV



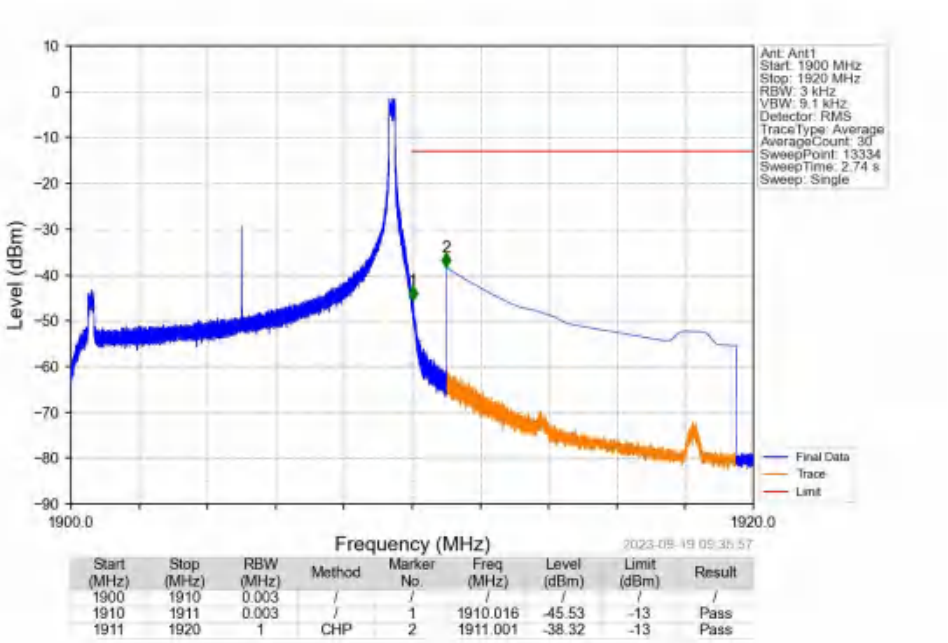
Band2_10MHz_16QAM_HCH_1905MHz_RB_1_0_NTNV




Band2_10MHz_16QAM_HCH_1905MHz_RB_1_0_NTNV

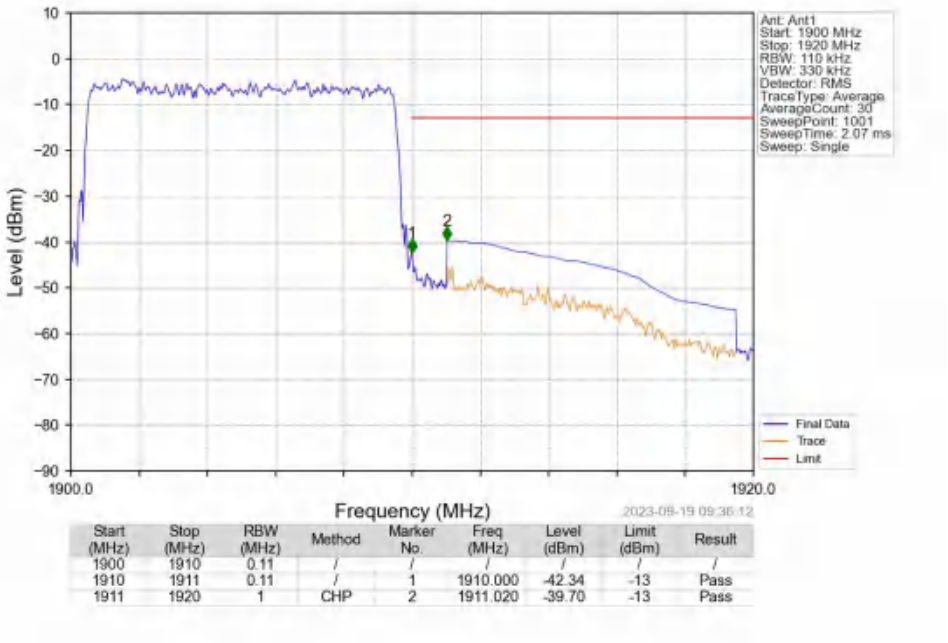


Band2_10MHz_16QAM_HCH_1905MHz_RB_1_49_NTNV




| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1900 | 1910 | 0.003 | / | / | / | / | / | / |
| 1910 | 1911 | 0.003 | / | 1 | 1910.016 | -45.53 | -13 | Pass |
| 1911 | 1920 | 1 | CHP | 2 | 1911.001 | -38.32 | -13 | Pass |

Band2_10MHz_16QAM_HCH_1905MHz_RB_50_0_NTNV




| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1900 | 1910 | 0.11 | / | / | / | / | / | / |
| 1910 | 1911 | 0.11 | / | 1 | 1910.000 | -42.34 | -13 | Pass |
| 1911 | 1920 | 1 | CHP | 2 | 1911.020 | -39.70 | -13 | Pass |

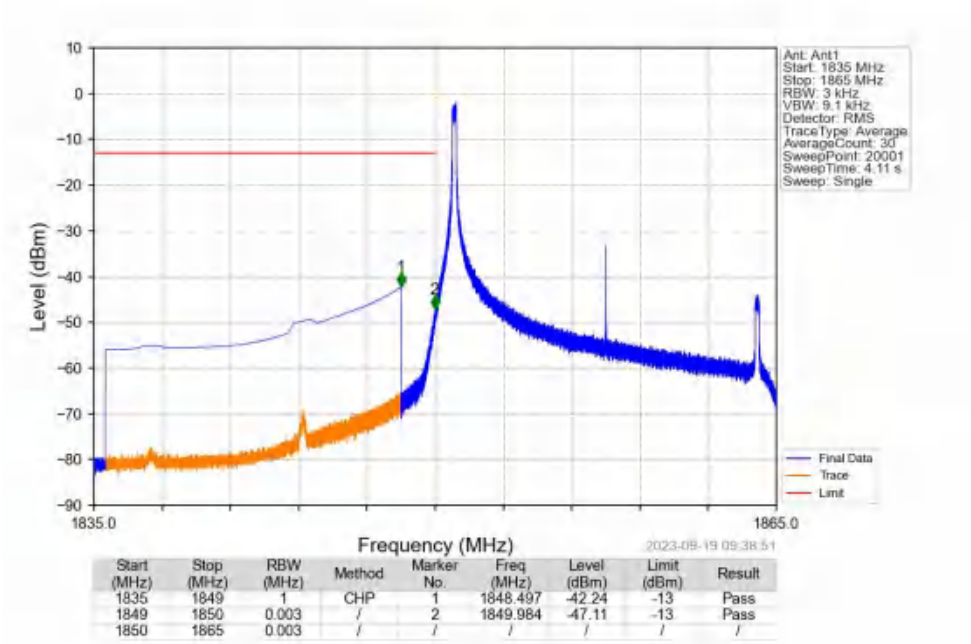
## 6.5 B2_15MHz

### 6.5.1 Test Result

| Band: 2 / Bandwidth: 15MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Spurious Emission | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 1857.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 75 | 0 | Refer To Test Graph | | Pass |
| | 1880 | 1 | 0 | Refer To Test Graph | | Pass |
| | 1902.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | | | 74 | Refer To Test Graph | | Pass |
| | | 75 | 0 | Refer To Test Graph | | Pass |
| 16QAM | 1857.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 75 | 0 | Refer To Test Graph | | Pass |
| | 1880 | 1 | 0 | Refer To Test Graph | | Pass |
| | 1902.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | | | 74 | Refer To Test Graph | | Pass |
| | | 75 | 0 | Refer To Test Graph | | Pass |

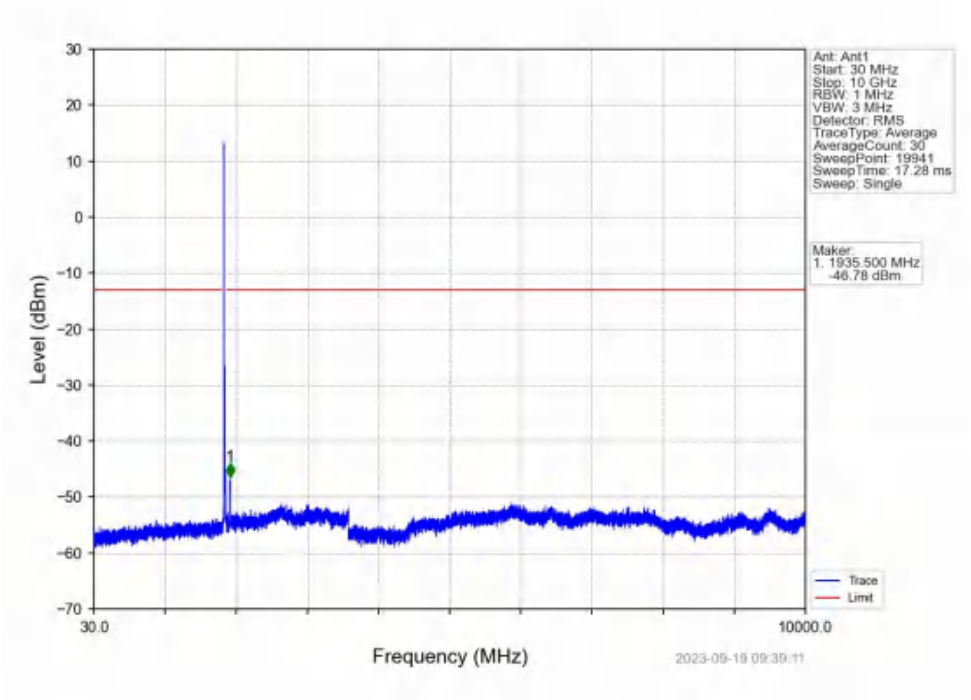
## 6.5.2 Test Graph

Band2_15MHz_QPSK_LCH_1857.5MHz_RB_1_0_NTNV

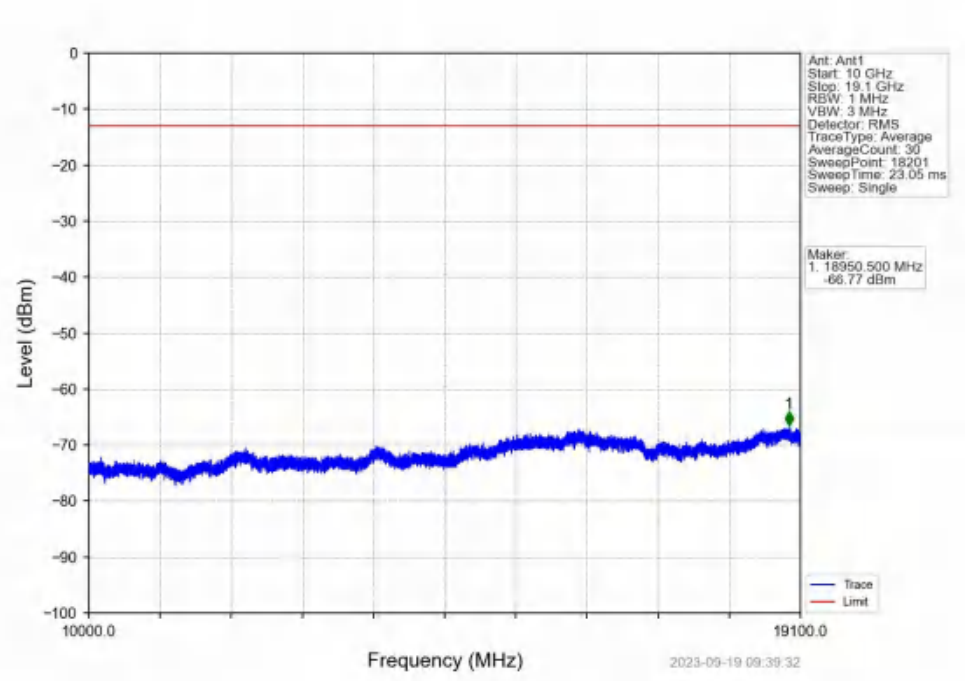



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1835 | 1849 | 1 | CHP | 1 | 1848.497 | -42.24 | -13 | Pass |
| 1849 | 1850 | 0.003 | / | 2 | 1849.984 | -47.11 | -13 | Pass |
| 1850 | 1865 | 0.003 | / | / | / | / | / | / |

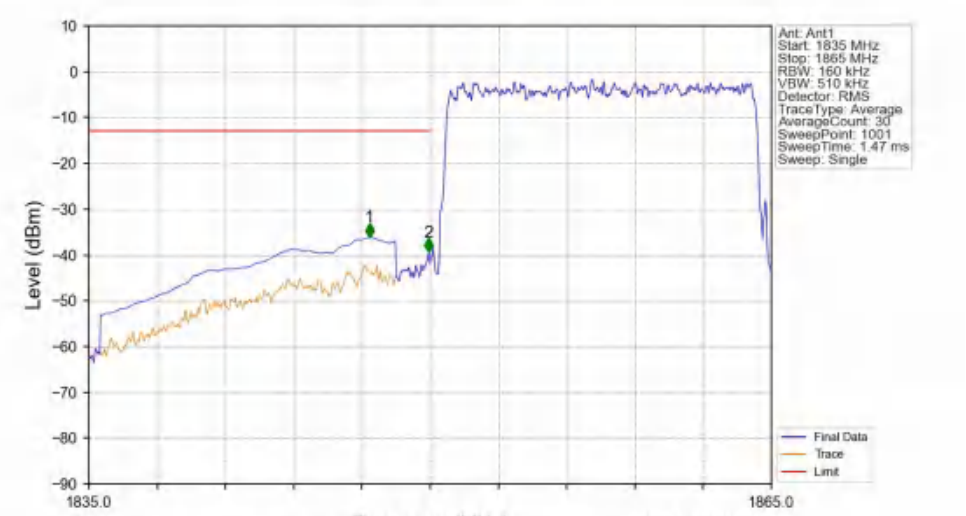
Band2_15MHz_QPSK_LCH_1857.5MHz_RB_1_0_NTNV



Band2_15MHz_QPSK_LCH_1857.5MHz_RB_1_0_NTNV

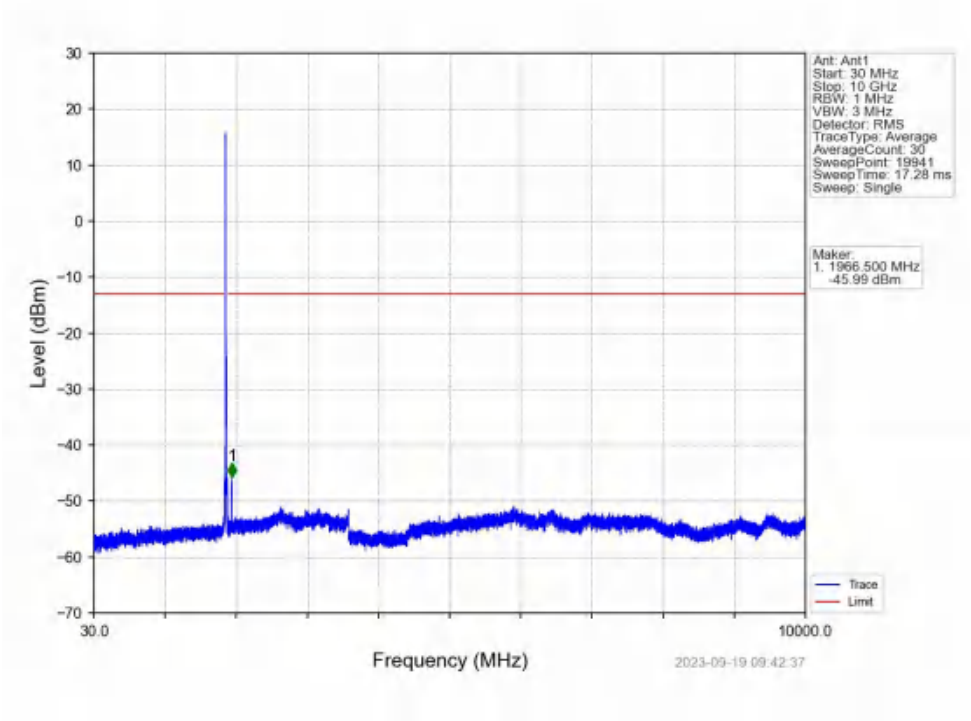



Band2_15MHz_QPSK_LCH_1857.5MHz_RB_75_0_NTNV

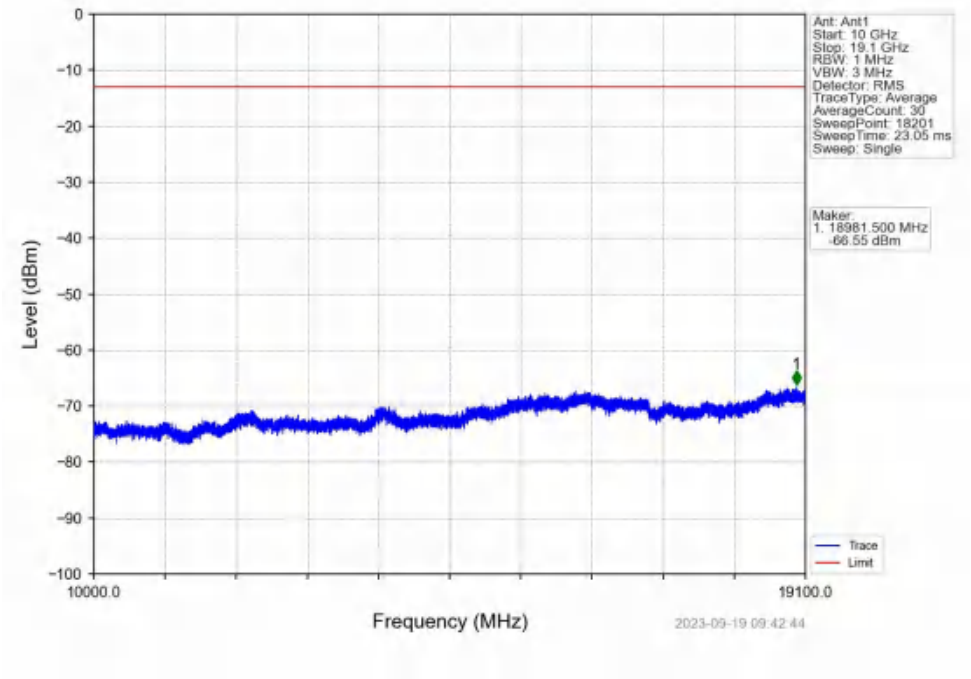



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1835 | 1849 | 1 | CHP | 1 | 1847.330 | -36.15 | -13 | Pass |
| 1849 | 1850 | 0.16 | / | 2 | 1849.940 | -39.39 | -13 | Pass |
| 1850 | 1865 | 0.16 | / | / | / | / | / | / |

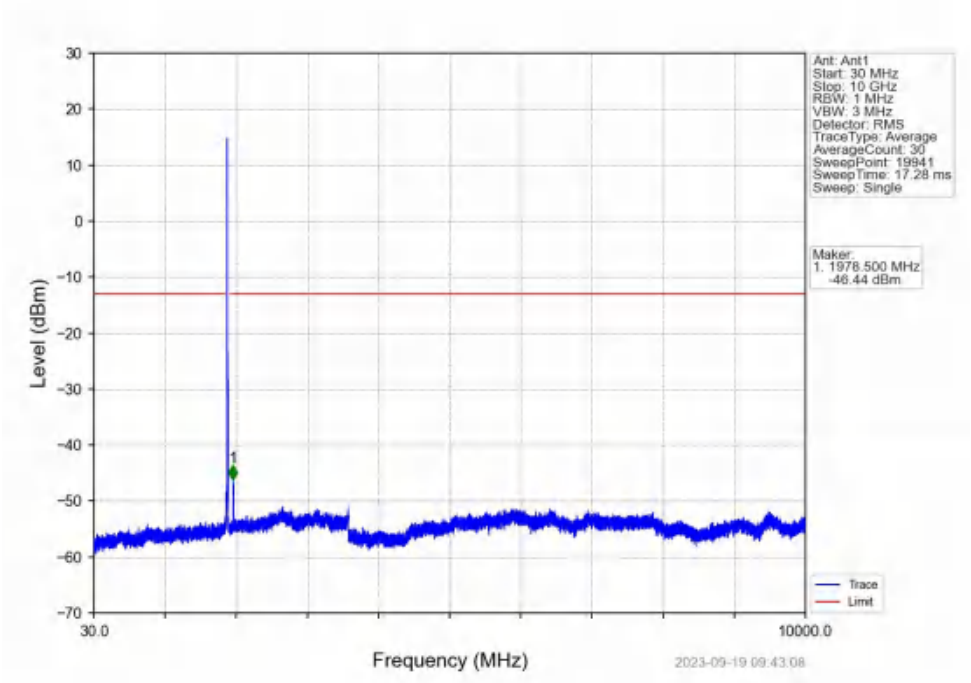
Band2_15MHz_QPSK_MCH_1880MHz_RB_1_0_NTNV



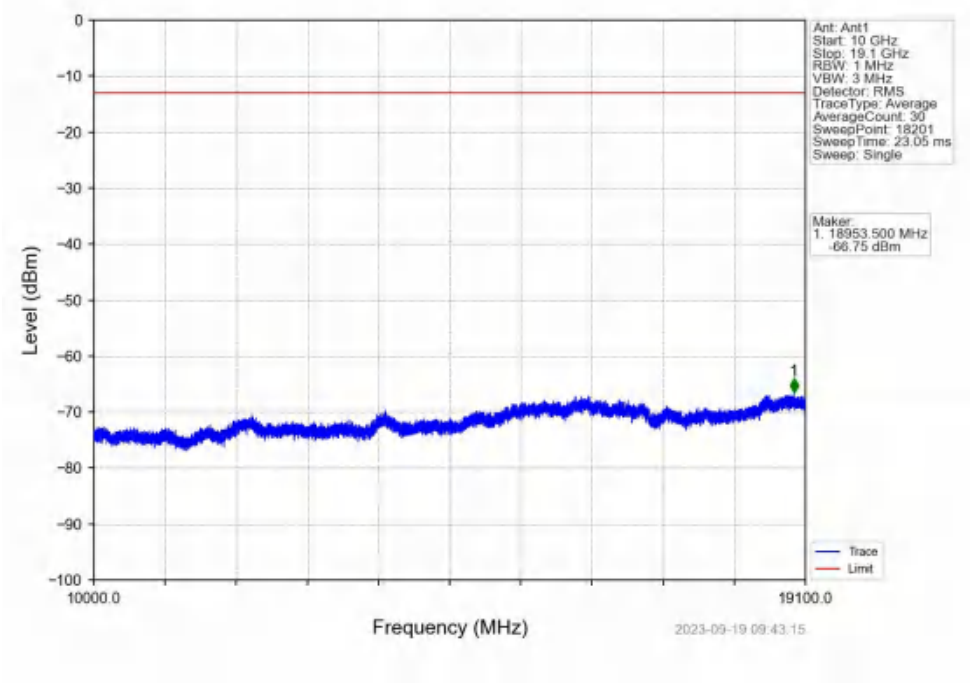

Band2_15MHz_QPSK_MCH_1880MHz_RB_1_0_NTNV



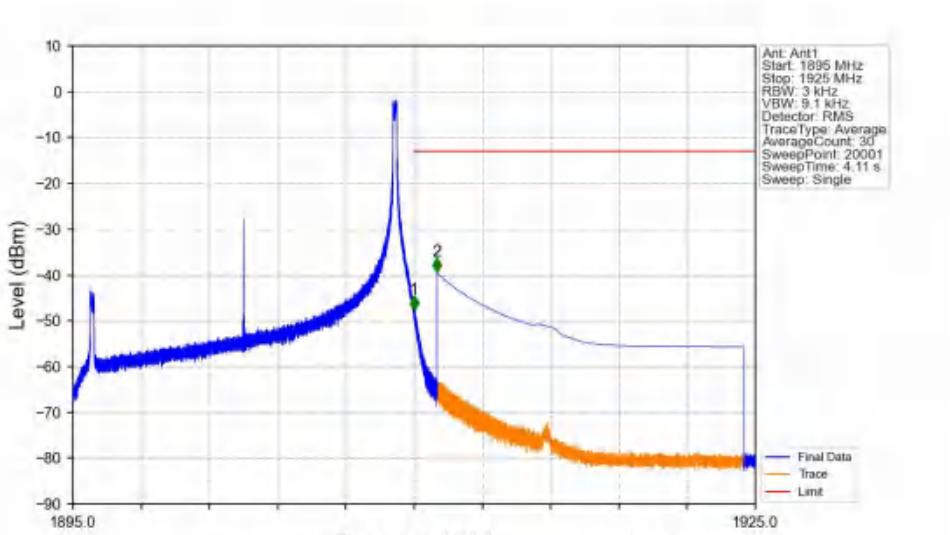
Band2_15MHz_QPSK_HCH_1902.5MHz_RB_1_0_NTNV




Band2_15MHz_QPSK_HCH_1902.5MHz_RB_1_0_NTNV

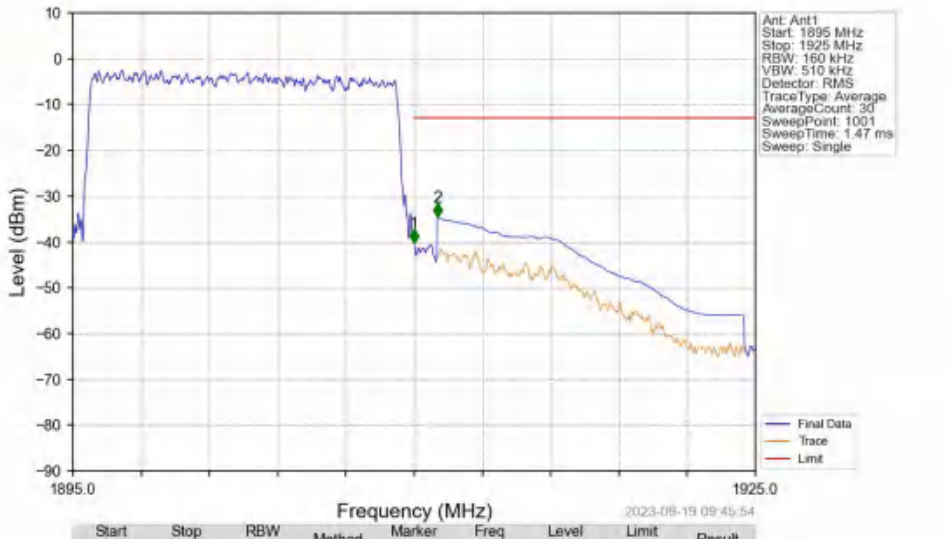


Band2_15MHz_QPSK_HCH_1902.5MHz_RB_1_74_NTNV



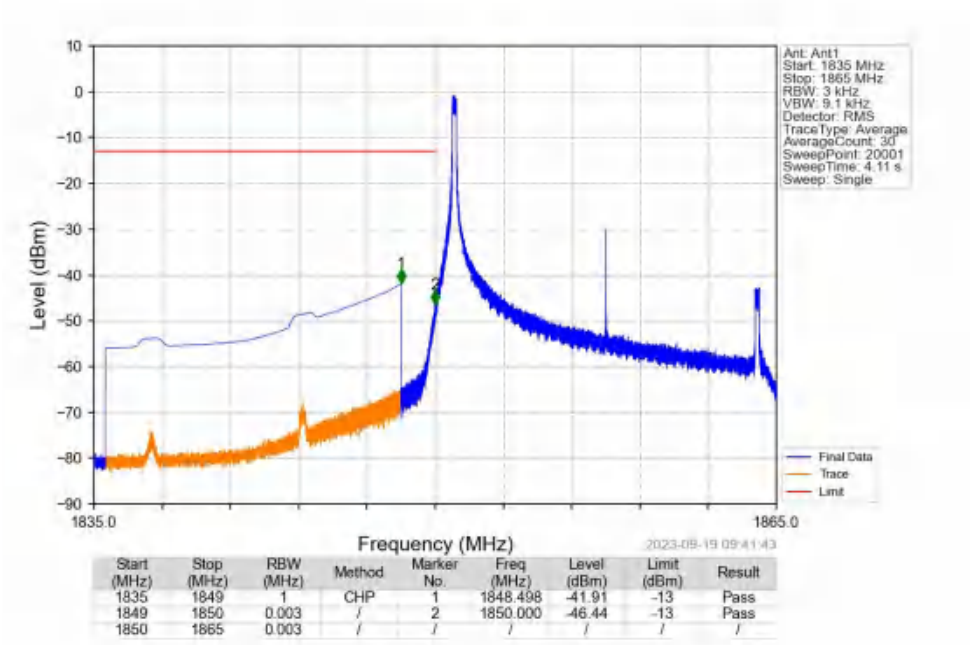

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1895 | 1910 | 0.003 | / | / | / | / | / | / |
| 1910 | 1911 | 0.003 | / | 1 | 1910.000 | -47.61 | -13 | Pass |
| 1911 | 1925 | 1 | CHP | 2 | 1911.001 | -39.31 | -13 | Pass |

Band2_15MHz_QPSK_HCH_1902.5MHz_RB_75_0_NTNV



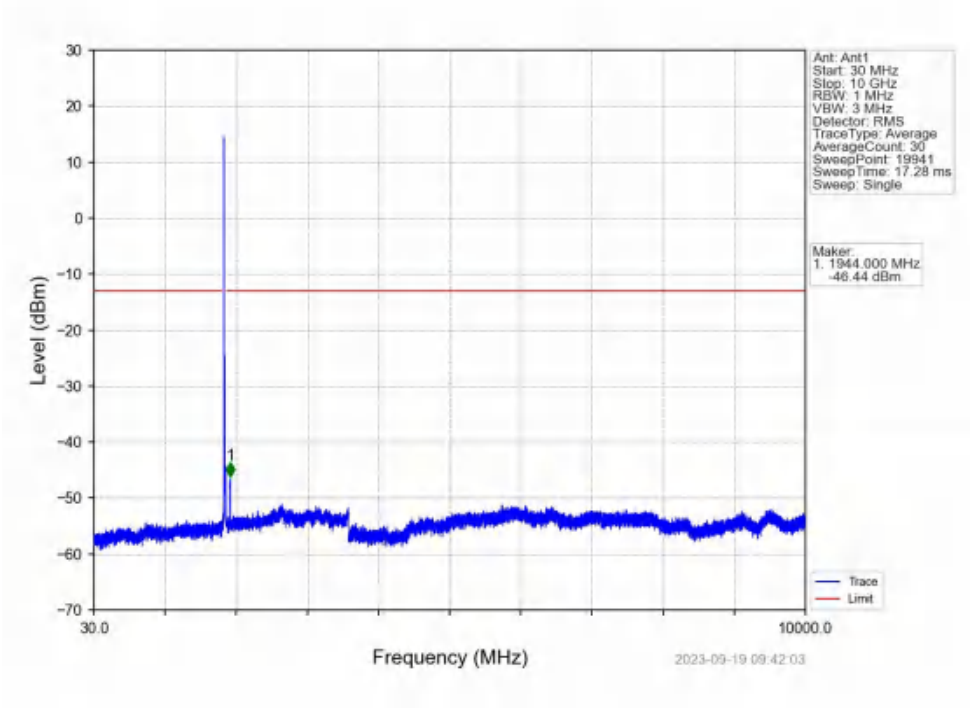

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1895 | 1910 | 0.16 | / | / | / | / | / | / |
| 1910 | 1911 | 0.16 | / | 1 | 1910.000 | -40.32 | -13 | Pass |
| 1911 | 1925 | 1 | CHP | 2 | 1911.020 | -34.69 | -13 | Pass |

Band2_15MHz_16QAM_LCH_1857.5MHz_RB_1_0_NTNV

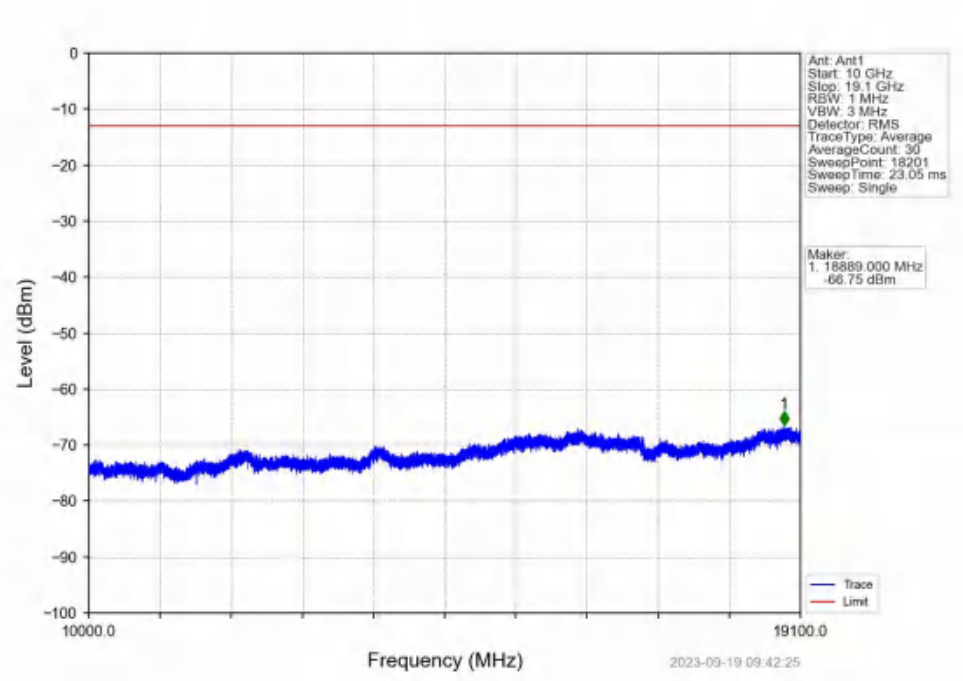



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1835 | 1849 | 1 | CHP | 1 | 1848.498 | -41.91 | -13 | Pass |
| 1849 | 1850 | 0.003 | / | 2 | 1850.000 | -46.44 | -13 | Pass |
| 1850 | 1865 | 0.003 | / | / | / | / | / | / |

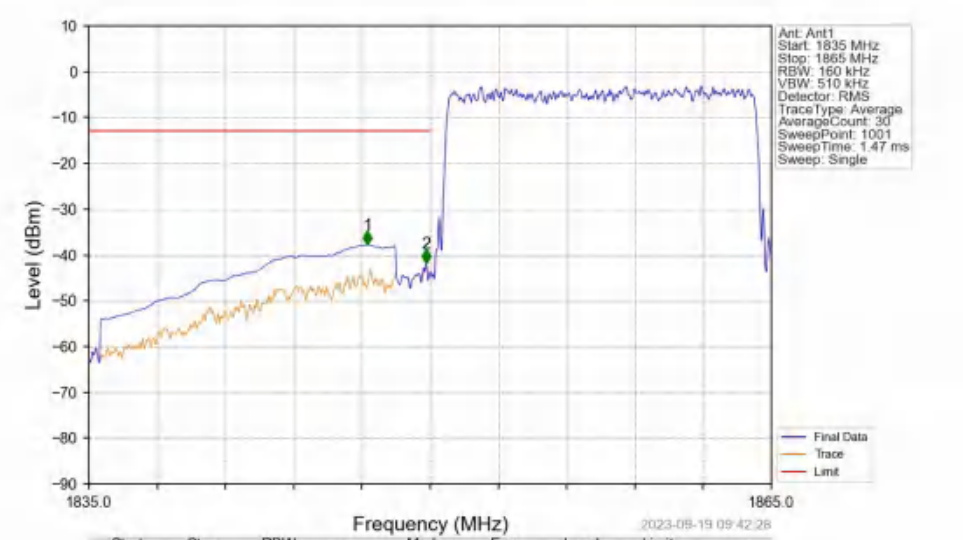
Band2_15MHz_16QAM_LCH_1857.5MHz_RB_1_0_NTNV



Band2_15MHz_16QAM_LCH_1857.5MHz_RB_1_0_NTNV

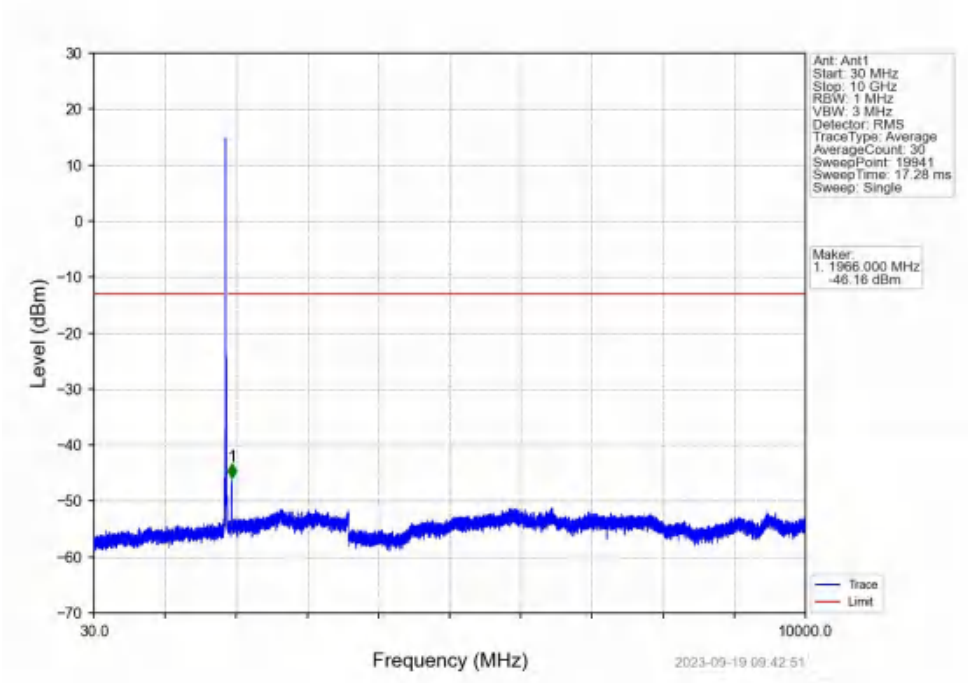



Band2_15MHz_16QAM_LCH_1857.5MHz_RB_75_0_NTNV

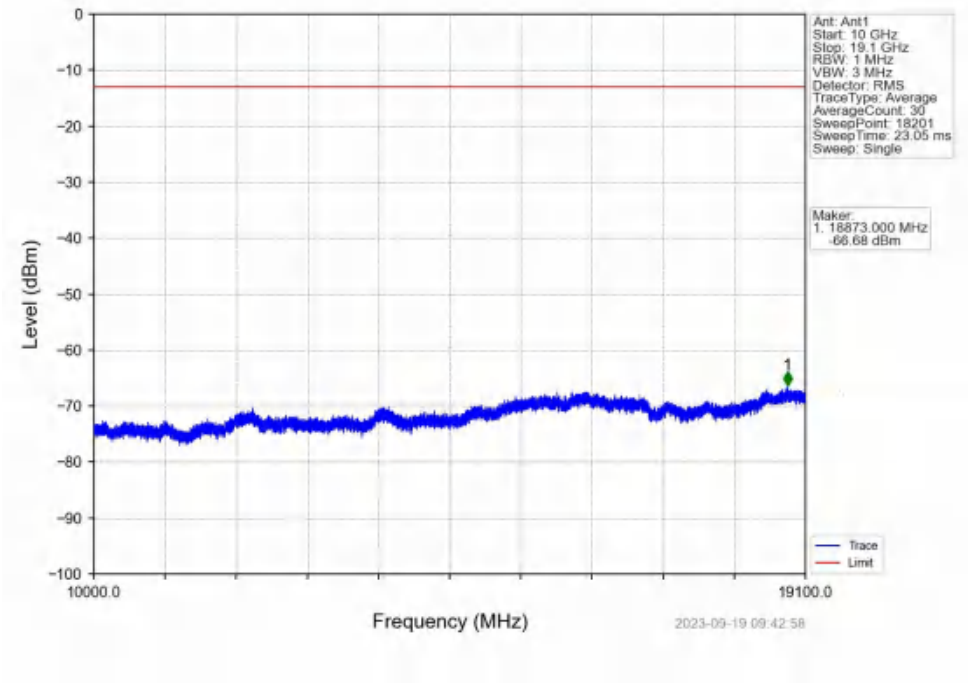



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1835 | 1849 | 1 | CHP | 1 | 1847.240 | -37.81 | -13 | Pass |
| 1849 | 1850 | 0.16 | / | 2 | 1849.820 | -41.84 | -13 | Pass |
| 1850 | 1865 | 0.16 | / | / | / | / | / | / |

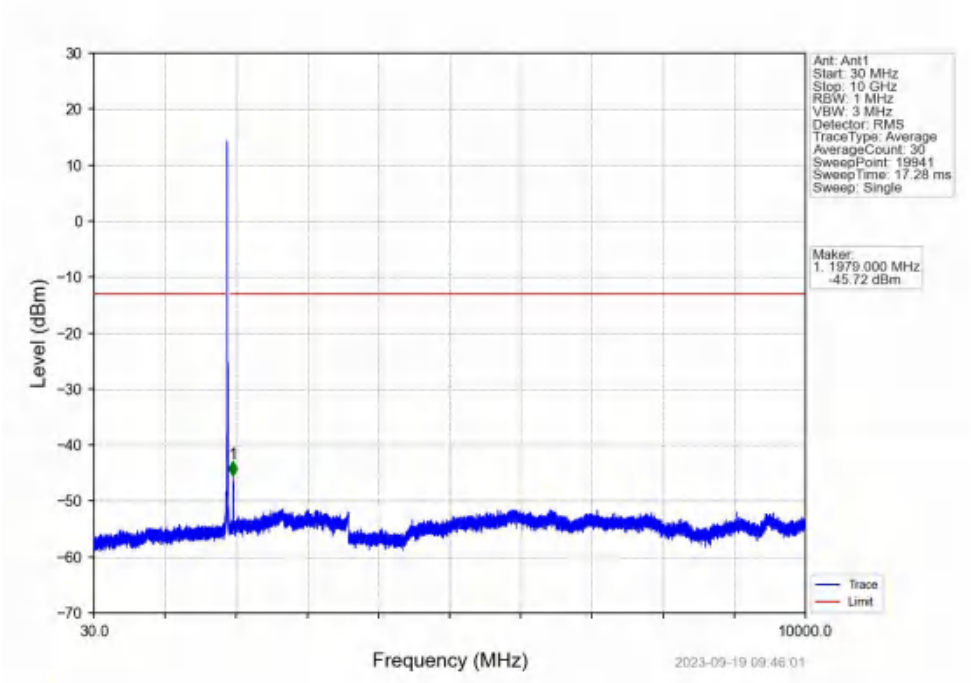
Band2_15MHz_16QAM_MCH_1880MHz_RB_1_0_NTNV



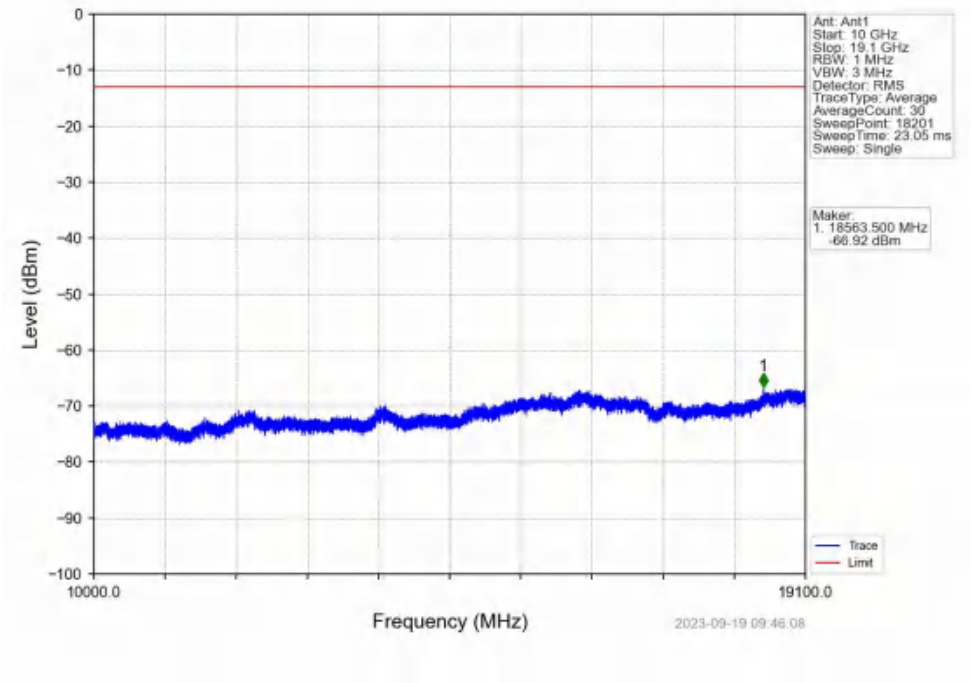

Band2_15MHz_16QAM_MCH_1880MHz_RB_1_0_NTNV



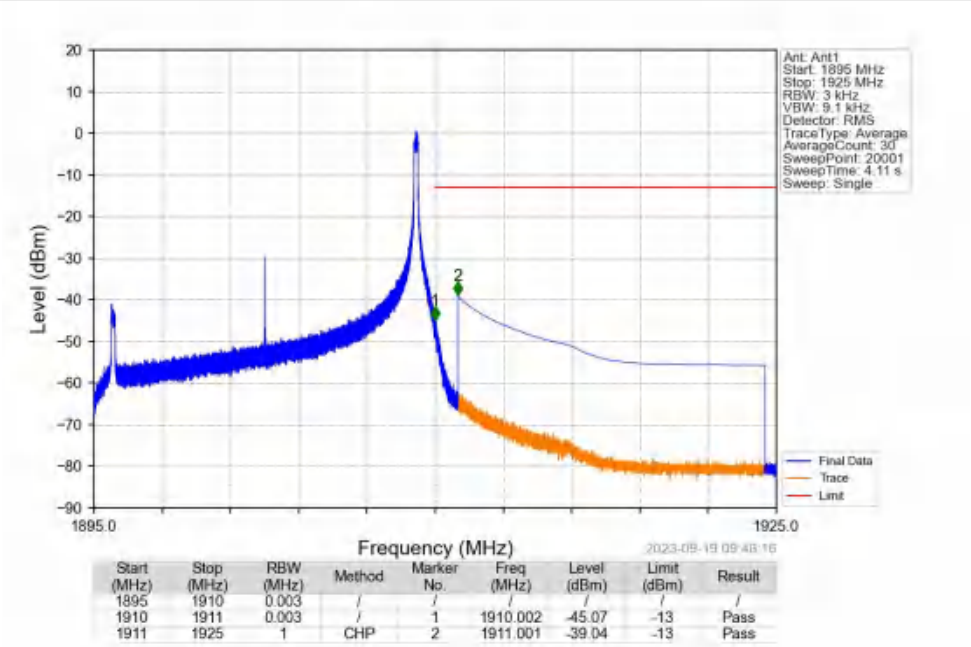
Band2_15MHz_16QAM_HCH_1902.5MHz_RB_1_0_NTNV




Band2_15MHz_16QAM_HCH_1902.5MHz_RB_1_0_NTNV

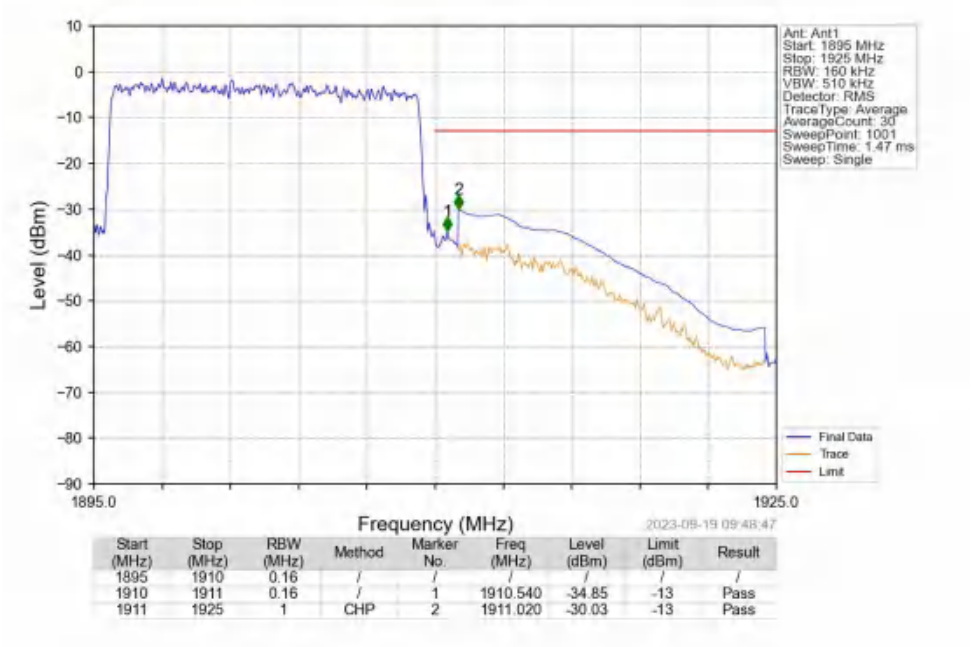


Band2_15MHz_16QAM_HCH_1902.5MHz_RB_1_74_NTNV




| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1895 | 1910 | 0.003 | / | / | / | / | / | / |
| 1910 | 1911 | 0.003 | / | 1 | 1910.002 | -45.07 | -13 | Pass |
| 1911 | 1925 | 1 | CHP | 2 | 1911.001 | -39.04 | -13 | Pass |

Band2_15MHz_16QAM_HCH_1902.5MHz_RB_75_0_NTNV




| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1895 | 1910 | 0.16 | / | / | / | / | / | / |
| 1910 | 1911 | 0.16 | / | 1 | 1910.540 | -34.85 | -13 | Pass |
| 1911 | 1925 | 1 | CHP | 2 | 1911.020 | -30.03 | -13 | Pass |

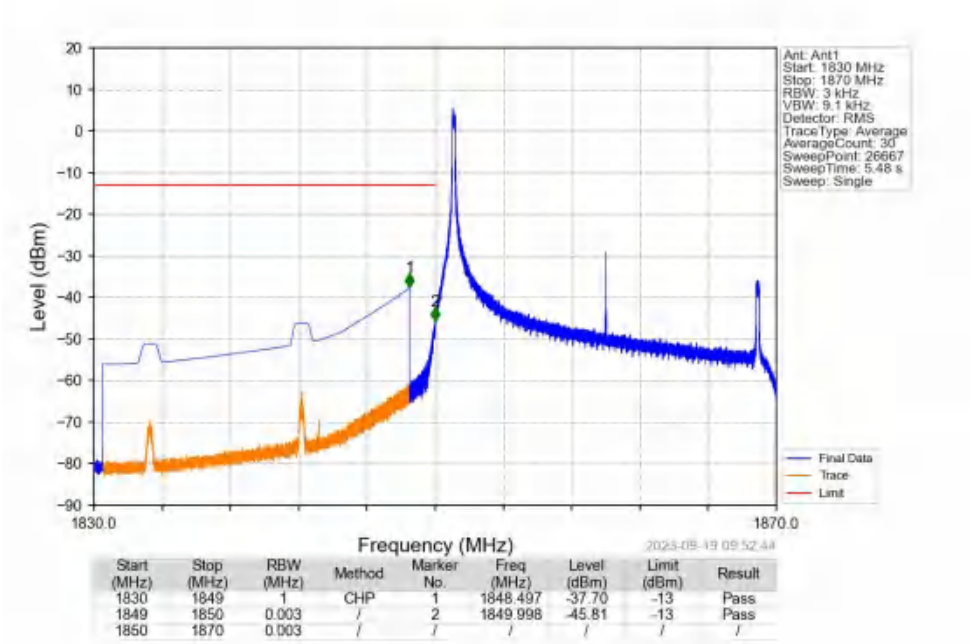
## 6.6 B2_20MHz

### 6.6.1 Test Result

| Band: 2 / Bandwidth: 20MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Spurious Emission | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 1860 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 100 | 0 | Refer To Test Graph | | Pass |
| | 1880 | 1 | 0 | Refer To Test Graph | | Pass |
| | 1900 | 1 | 0 | Refer To Test Graph | | Pass |
| | | | 99 | Refer To Test Graph | | Pass |
| | | 100 | 0 | Refer To Test Graph | | Pass |
| 16QAM | 1860 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 100 | 0 | Refer To Test Graph | | Pass |
| | 1880 | 1 | 0 | Refer To Test Graph | | Pass |
| | 1900 | 1 | 0 | Refer To Test Graph | | Pass |
| | | | 99 | Refer To Test Graph | | Pass |
| | | 100 | 0 | Refer To Test Graph | | Pass |

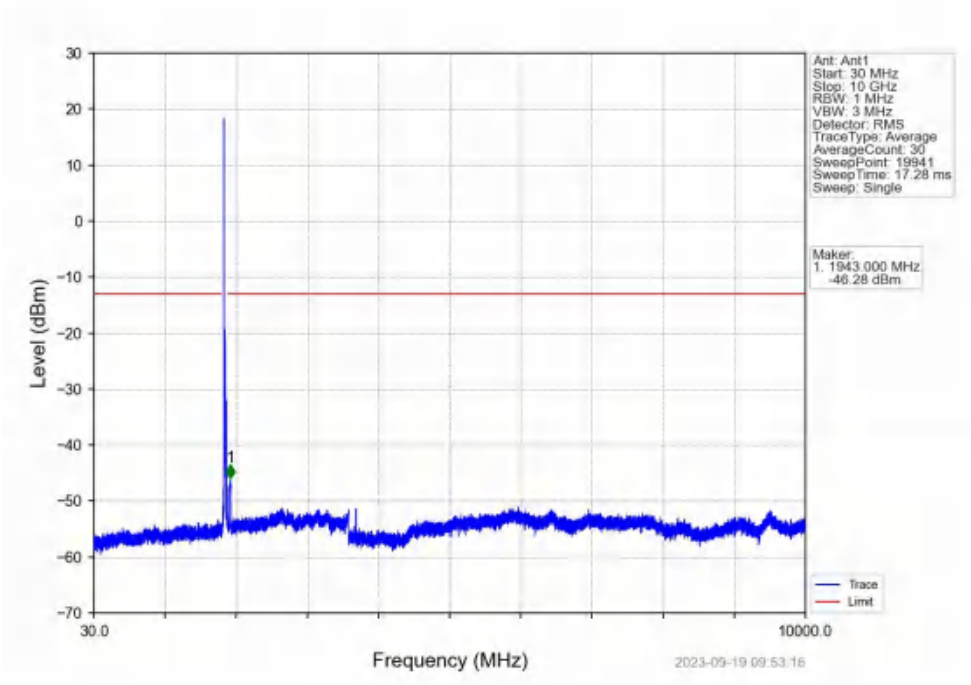
## 6.6.2 Test Graph

Band2_20MHz_QPSK_LCH_1860MHz_RB_1_0_NTNV

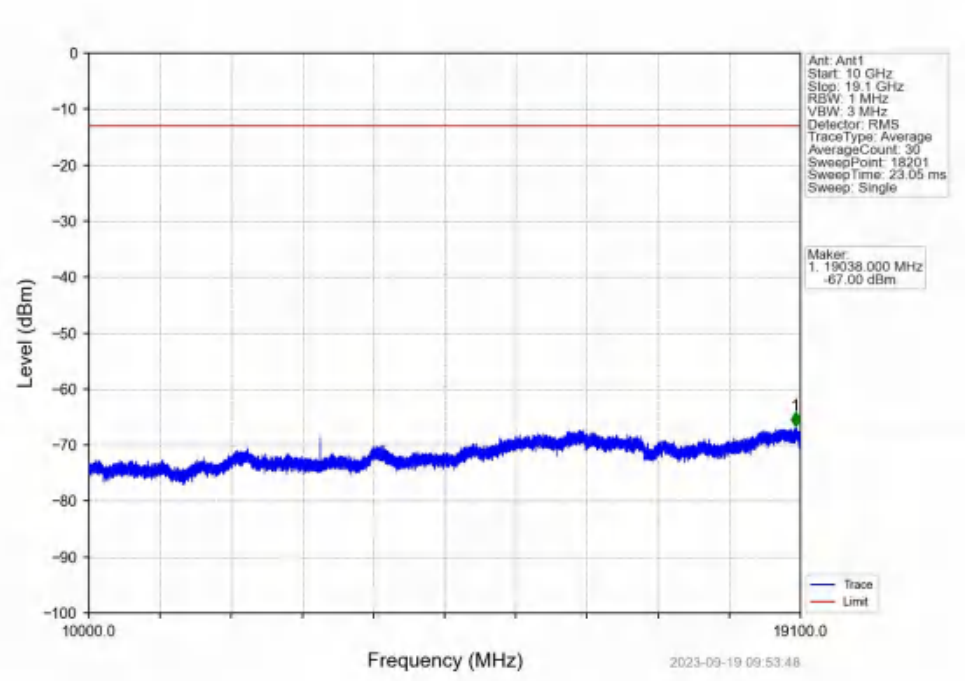



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1830 | 1849 | 1 | CHP | 1 | 1848.497 | -37.70 | -13 | Pass |
| 1849 | 1850 | 0.003 | / | 2 | 1849.998 | -45.81 | -13 | Pass |
| 1850 | 1870 | 0.003 | / | / | / | / | / | / |

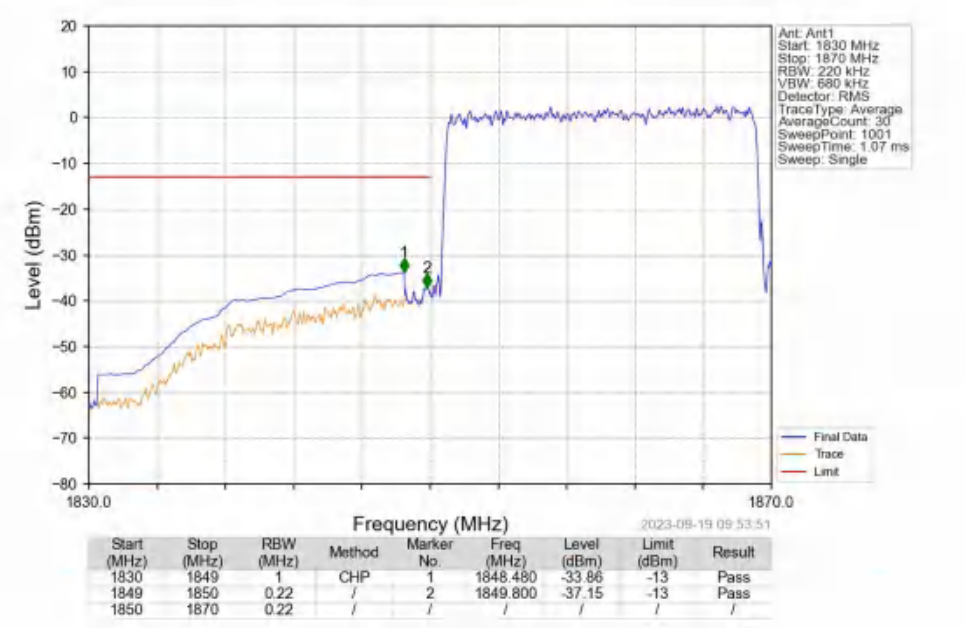
Band2_20MHz_QPSK_LCH_1860MHz_RB_1_0_NTNV



Band2_20MHz_QPSK_LCH_1860MHz_RB_1_0_NTNV

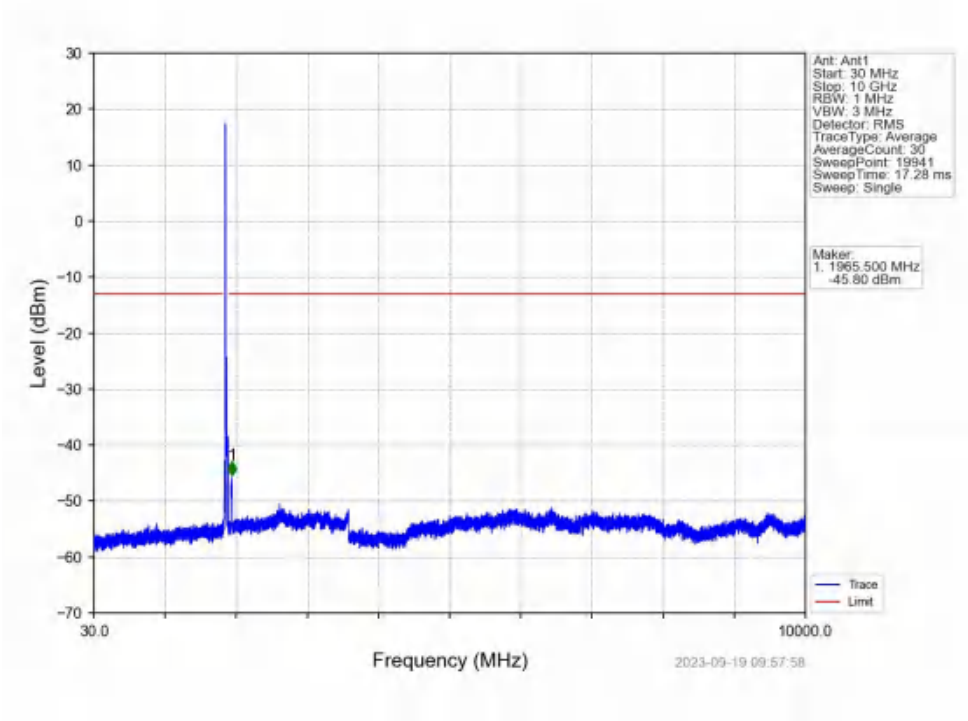



Band2_20MHz_QPSK_LCH_1860MHz_RB_100_0_NTNV

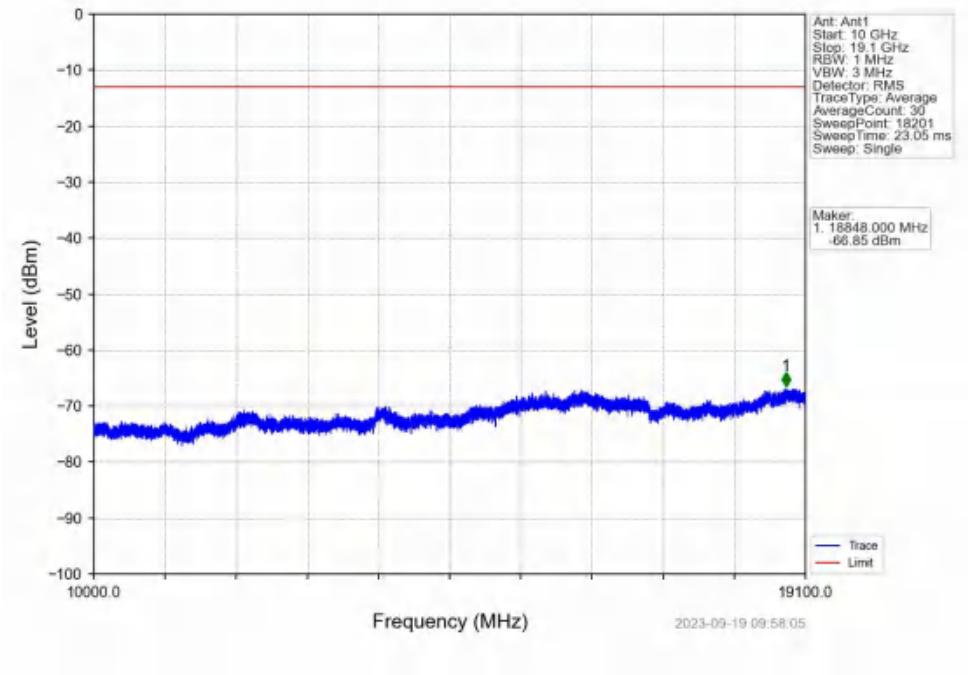



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1830 | 1849 | 1 | CHP | 1 | 1848.480 | -33.86 | -13 | Pass |
| 1849 | 1850 | 0.22 | / | 2 | 1849.800 | -37.15 | -13 | Pass |
| 1850 | 1870 | 0.22 | / | / | / | / | / | / |

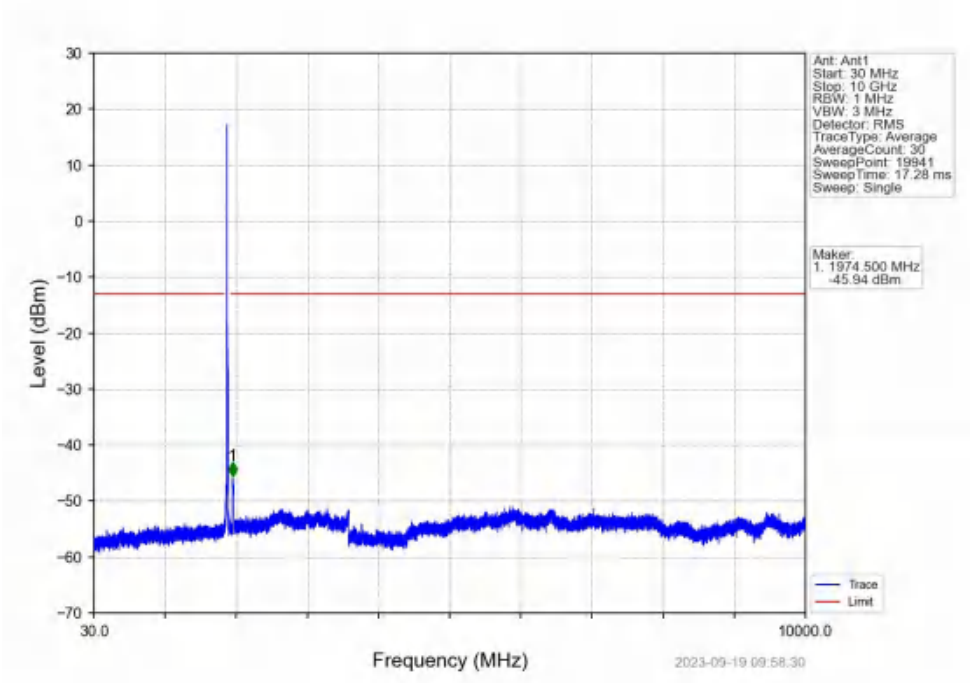
Band2_20MHz_QPSK_MCH_1880MHz_RB_1_0_NTNV



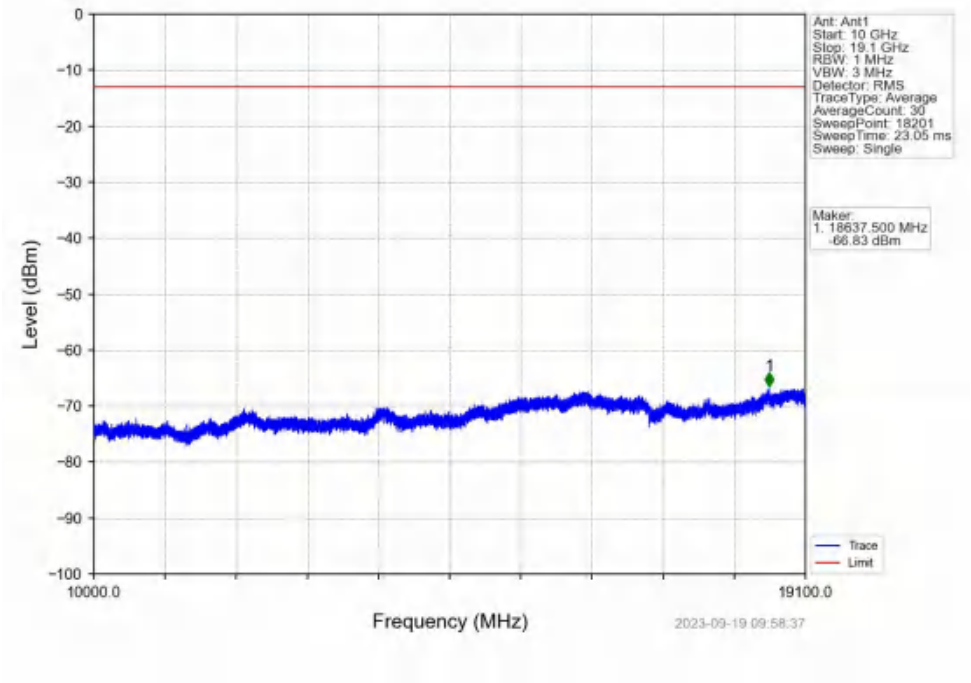

Band2_20MHz_QPSK_MCH_1880MHz_RB_1_0_NTNV



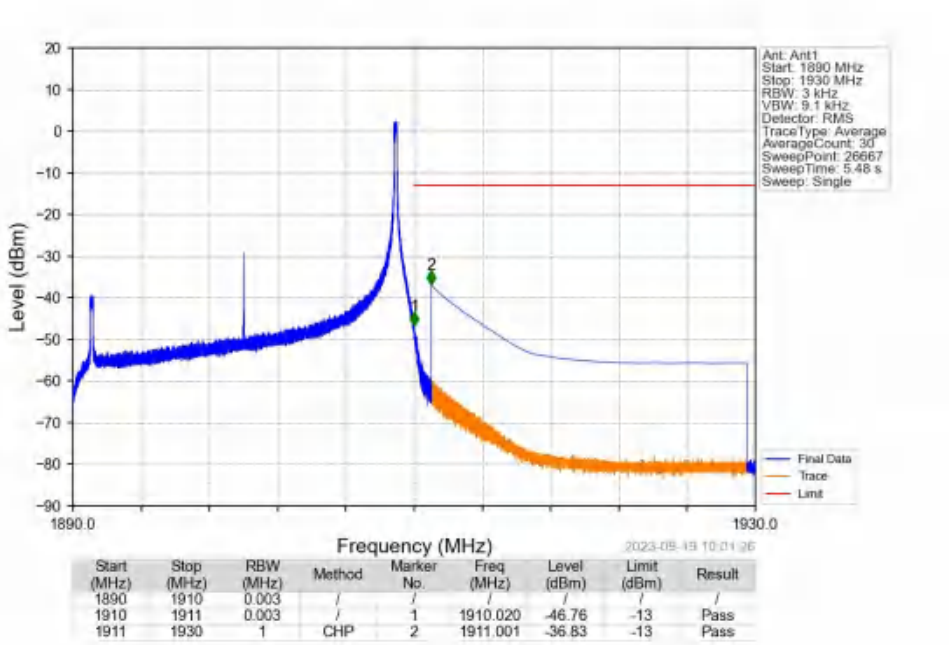
Band2_20MHz_QPSK_HCH_1900MHz_RB_1_0_NTNV




Band2_20MHz_QPSK_HCH_1900MHz_RB_1_0_NTNV

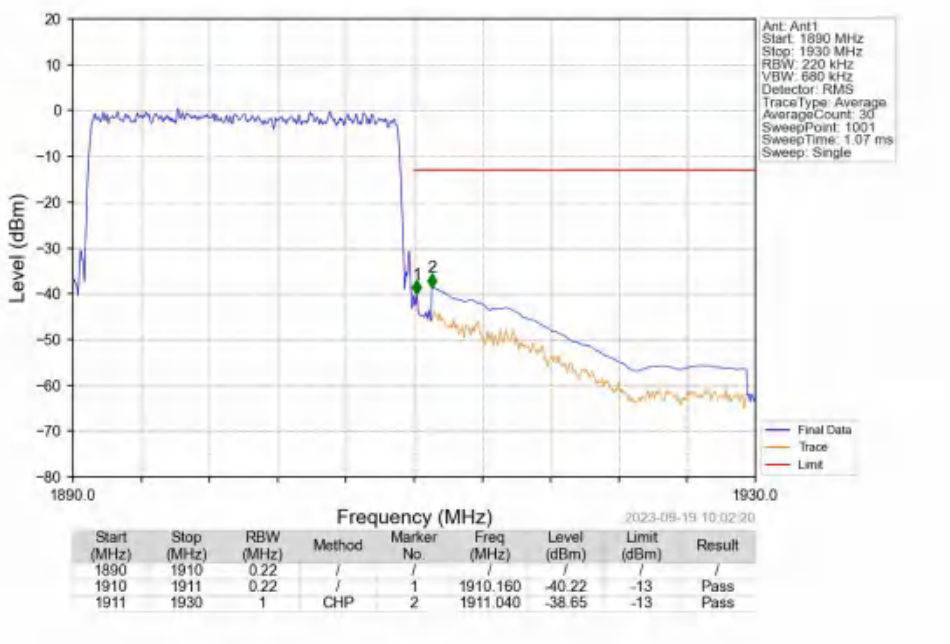


Band2_20MHz_QPSK_HCH_1900MHz_RB_1_99_NTNV



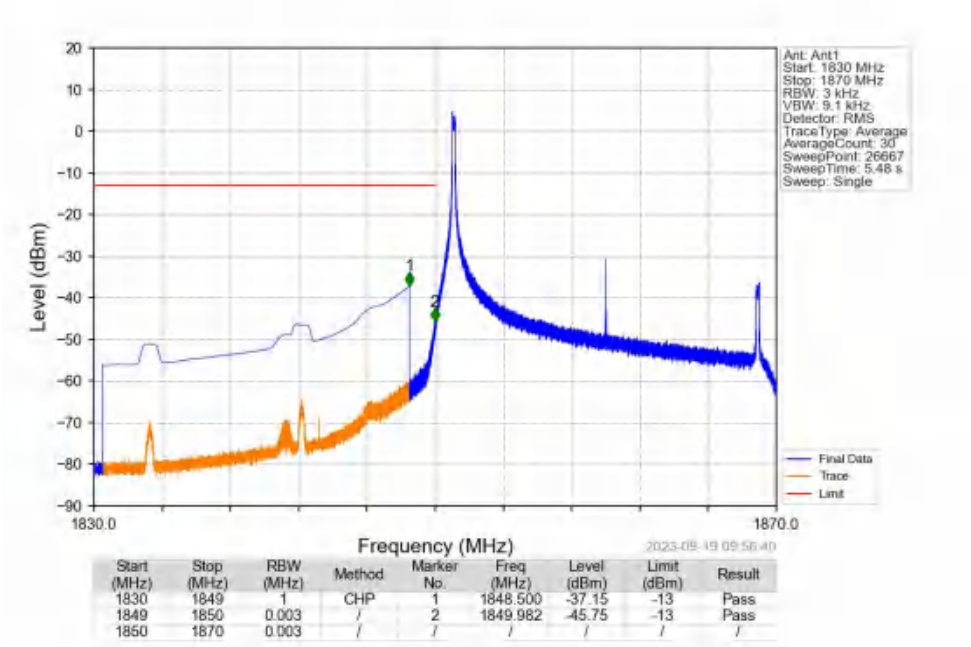

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1890 | 1910 | 0.003 | / | / | / | / | / | / |
| 1910 | 1911 | 0.003 | / | 1 | 1910.020 | -46.76 | -13 | Pass |
| 1911 | 1930 | 1 | CHP | 2 | 1911.001 | -36.83 | -13 | Pass |

Band2_20MHz_QPSK_HCH_1900MHz_RB_100_0_NTNV



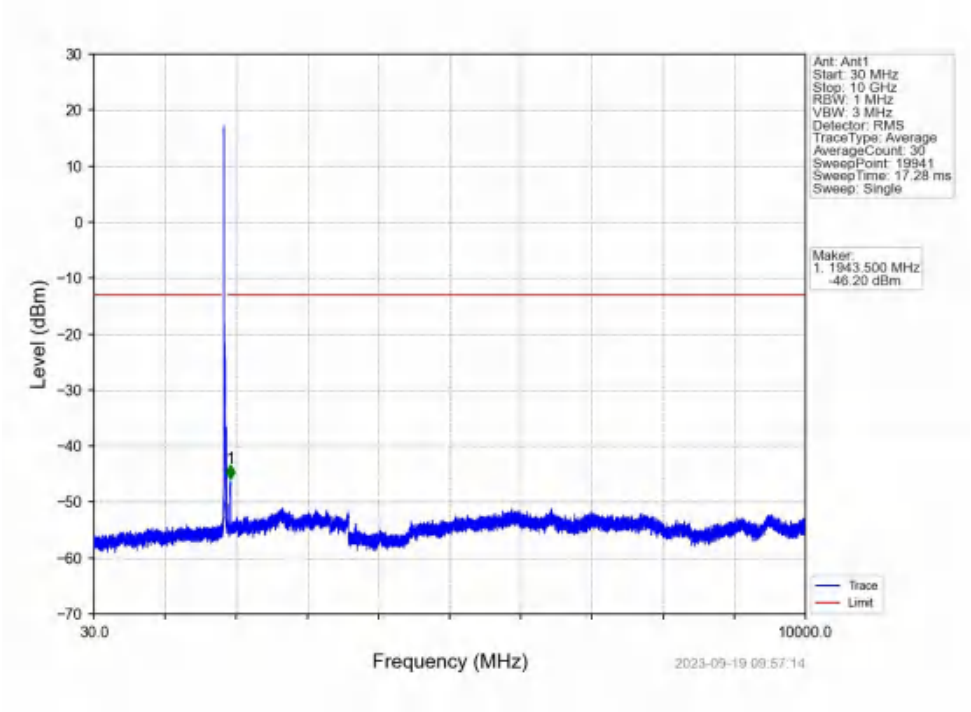

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1890 | 1910 | 0.22 | / | / | / | / | / | / |
| 1910 | 1911 | 0.22 | / | 1 | 1910.160 | -40.22 | -13 | Pass |
| 1911 | 1930 | 1 | CHP | 2 | 1911.040 | -38.65 | -13 | Pass |

Band2_20MHz_16QAM_LCH_1860MHz_RB_1_0_NTNV

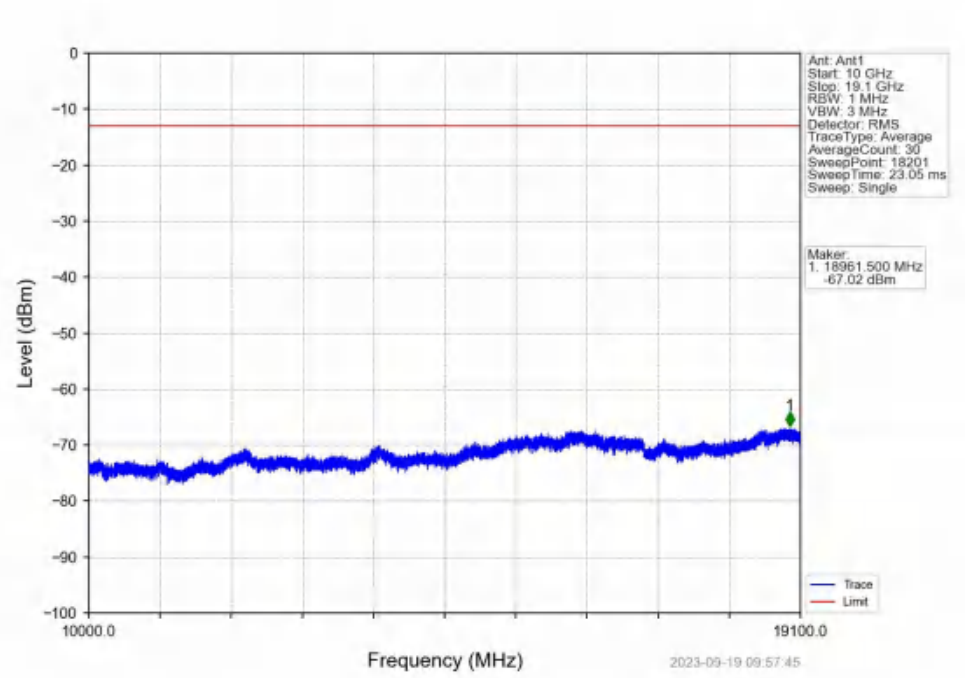



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1830 | 1849 | 1 | CHP | 1 | 1848.500 | -37.15 | -13 | Pass |
| 1849 | 1850 | 0.003 | / | 2 | 1849.982 | -45.75 | -13 | Pass |
| 1850 | 1870 | 0.003 | / | / | / | / | / | / |

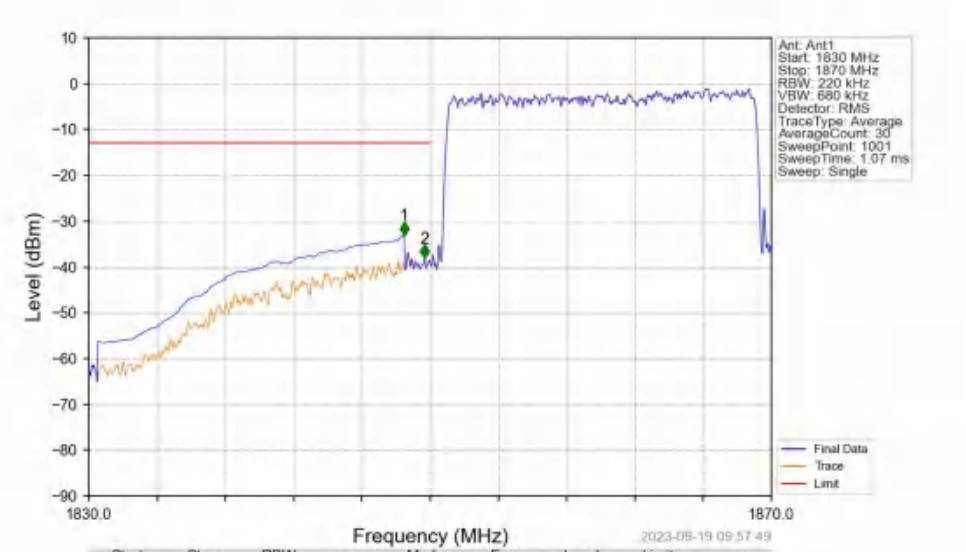
Band2_20MHz_16QAM_LCH_1860MHz_RB_1_0_NTNV



Band2_20MHz_16QAM_LCH_1860MHz_RB_1_0_NTNV

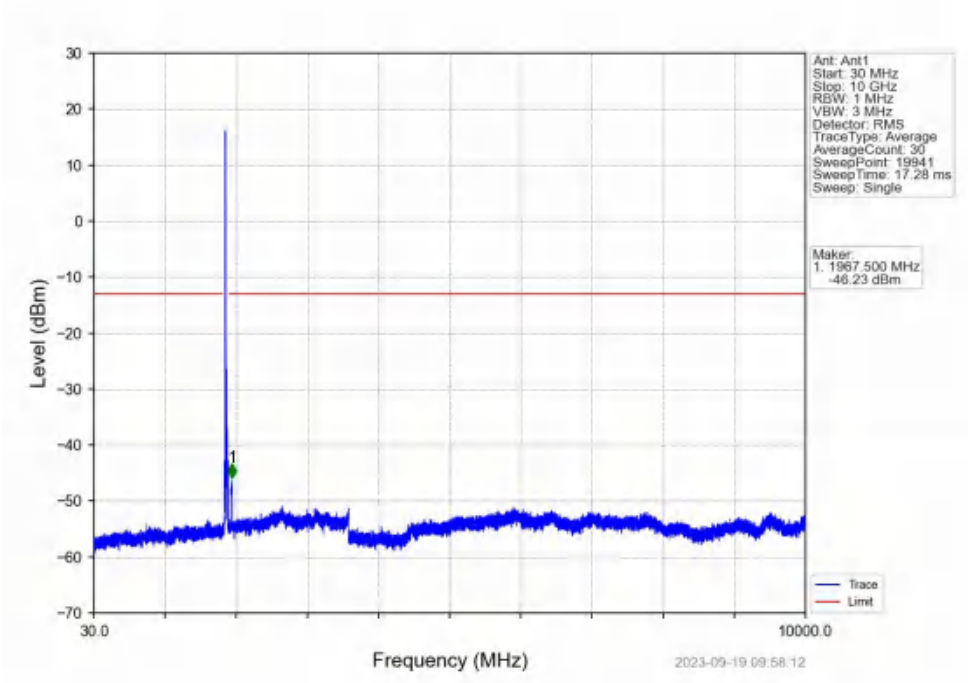



Band2_20MHz_16QAM_LCH_1860MHz_RB_100_0_NTNV

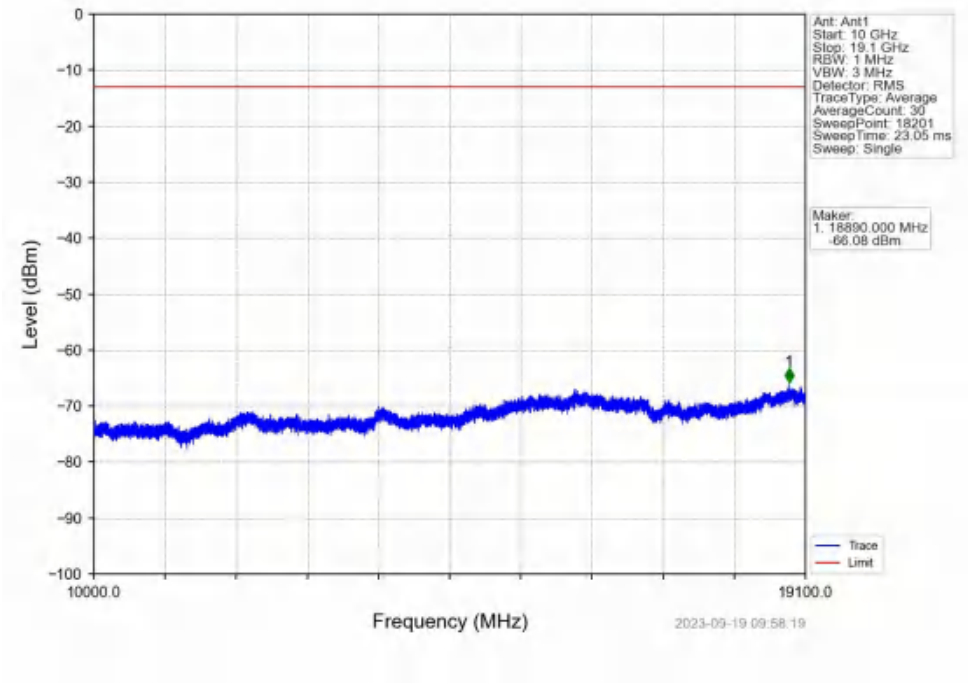



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1830 | 1849 | 1 | CHP | 1 | 1848.480 | -33.15 | -13 | Pass |
| 1849 | 1850 | 0.22 | / | 2 | 1849.680 | -38.22 | -13 | Pass |
| 1850 | 1870 | 0.22 | / | / | / | / | / | / |

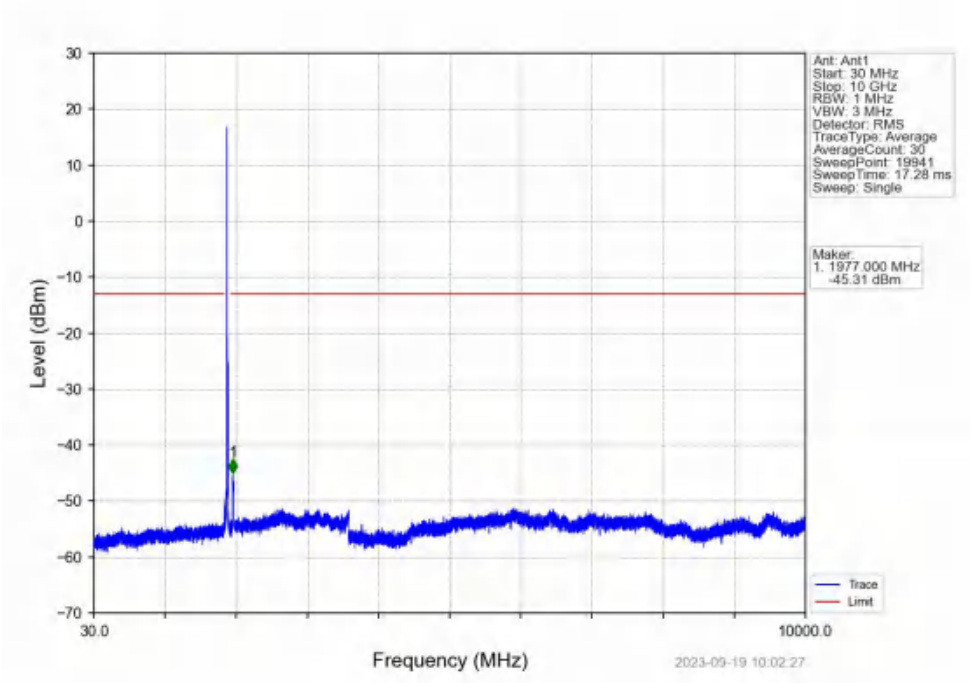
Band2_20MHz_16QAM_MCH_1880MHz_RB_1_0_NTNV



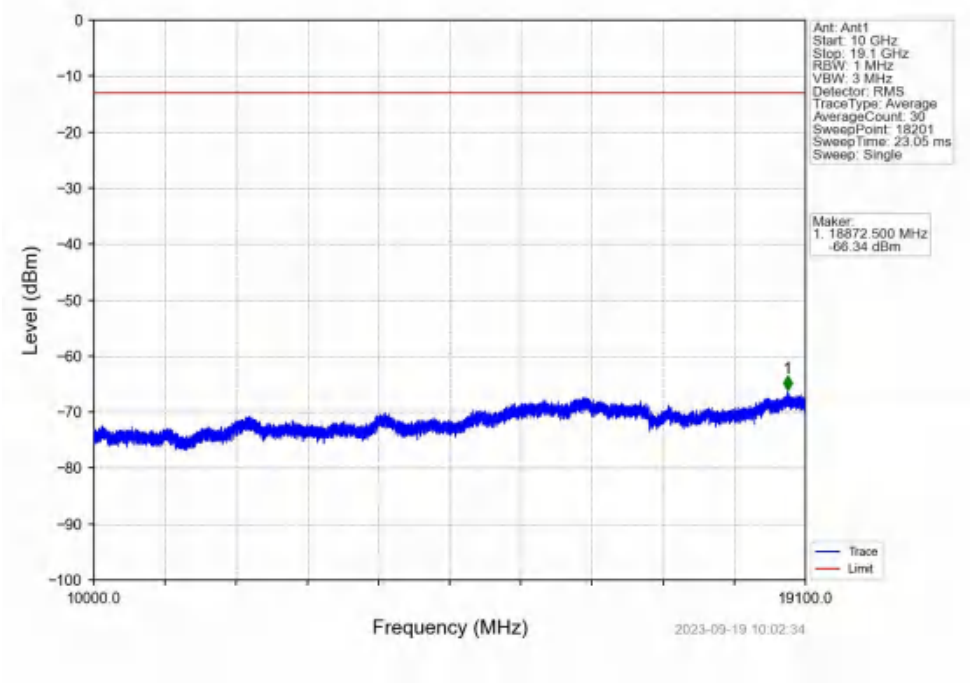

Band2_20MHz_16QAM_MCH_1880MHz_RB_1_0_NTNV



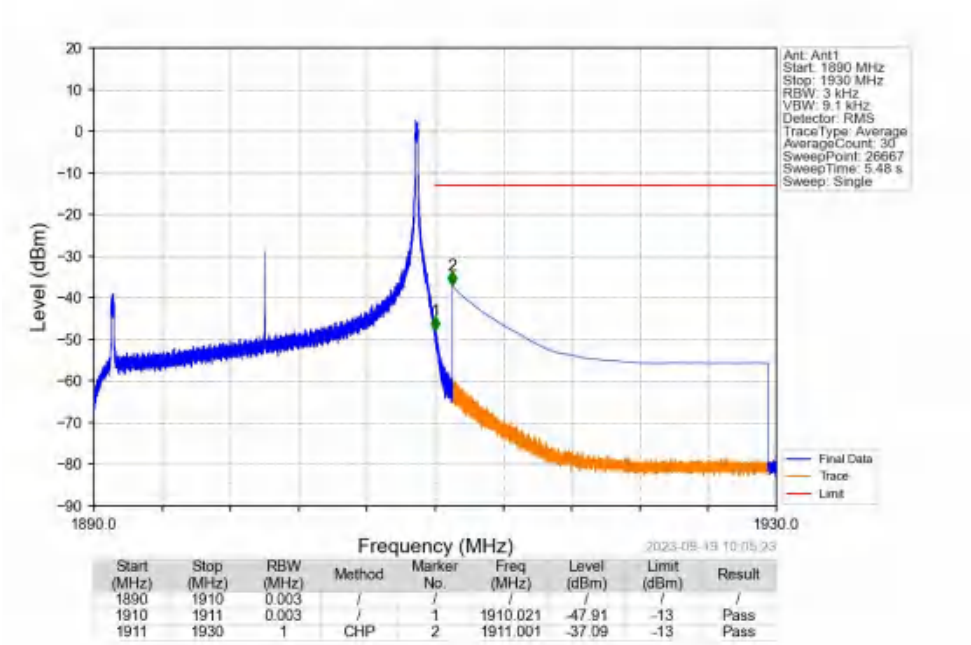
Band2_20MHz_16QAM_HCH_1900MHz_RB_1_0_NTNV




Band2_20MHz_16QAM_HCH_1900MHz_RB_1_0_NTNV

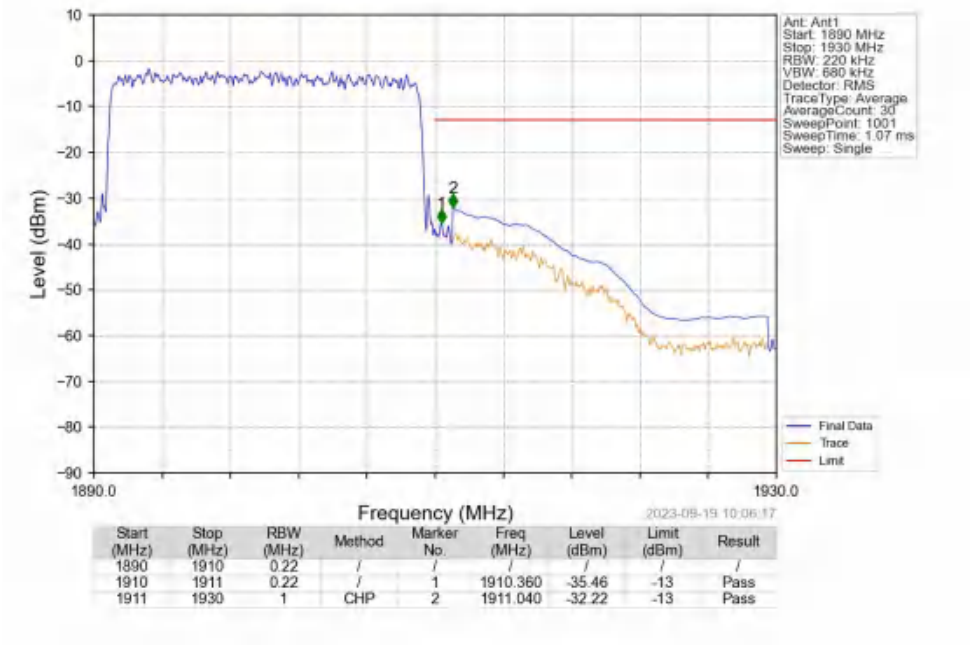


Band2_20MHz_16QAM_HCH_1900MHz_RB_1_99_NTNV




| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1890 | 1910 | 0.003 | / | / | / | / | / | / |
| 1910 | 1911 | 0.003 | / | 1 | 1910.021 | -47.91 | -13 | Pass |
| 1911 | 1930 | 1 | CHP | 2 | 1911.001 | -37.09 | -13 | Pass |

Band2_20MHz_16QAM_HCH_1900MHz_RB_100_0_NTNV




| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1890 | 1910 | 0.22 | / | / | / | / | / | / |
| 1910 | 1911 | 0.22 | / | 1 | 1910.360 | -35.46 | -13 | Pass |
| 1911 | 1930 | 1 | CHP | 2 | 1911.040 | -32.22 | -13 | Pass |

# 7. Form731

## 7.1 Form731_Power

### 7.1.1 Test Result

| Band | BW | Lower Freq | High Freq | MAX Power (W) | Value | Hz/ppm | Emission Designator | Rule Parts | MAX Power (dBm) |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 1.4 | 1850.7 | 1909.3 | 0.1380 | 0.0267 | ppm | 1M12G7D | 24E | 21.40 |
| 2 | 1.4 | 1850.7 | 1909.3 | 0.1084 | 0.0277 | ppm | 1M13W7D | 24E | 20.35 |
| 2 | 3 | 1851.5 | 1908.5 | 0.1102 | 0.0196 | ppm | 2M78G7D | 24E | 20.42 |
| 2 | 3 | 1851.5 | 1908.5 | 0.1091 | 0.0212 | ppm | 2M79W7D | 24E | 20.38 |
| 2 | 5 | 1852.5 | 1907.5 | 0.0839 | 0.0250 | ppm | 4M57G7D | 24E | 19.24 |
| 2 | 5 | 1852.5 | 1907.5 | 0.0458 | 0.0269 | ppm | 4M60W7D | 24E | 16.61 |
| 2 | 10 | 1855 | 1905 | 0.1114 | 0.0271 | ppm | 9M08G7D | 24E | 20.47 |
| 2 | 10 | 1855 | 1905 | 0.0902 | 0.0203 | ppm | 9M07W7D | 24E | 19.55 |
| 2 | 15 | 1857.5 | 1902.5 | 0.1054 | 0.0245 | ppm | 13M6G7D | 24E | 20.23 |
| 2 | 15 | 1857.5 | 1902.5 | 0.1288 | 0.0221 | ppm | 13M6W7D | 24E | 21.10 |
| 2 | 20 | 1860 | 1900 | 0.1096 | 0.0184 | ppm | 18M2G7D | 24E | 20.40 |
| 2 | 20 | 1860 | 1900 | 0.0929 | 0.0107 | ppm | 18M2W7D | 24E | 19.68 |

## 7.2 Form731_EIRP

### 7.2.1 Test Result

| Band | BW | Lower Freq | High Freq | MAX Power (W) | Value | Hz/ppm | Emission Designator | Rule Parts | MAX Power (dBm) |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 1.4 | 1850.7 | 1909.3 | 0.1552 | 0.0267 | ppm | 1M12G7D | 24E | 21.91 |
| 2 | 1.4 | 1850.7 | 1909.3 | 0.1219 | 0.0277 | ppm | 1M13W7D | 24E | 20.86 |
| 2 | 3 | 1851.5 | 1908.5 | 0.1239 | 0.0196 | ppm | 2M78G7D | 24E | 20.93 |
| 2 | 3 | 1851.5 | 1908.5 | 0.1227 | 0.0212 | ppm | 2M79W7D | 24E | 20.89 |
| 2 | 5 | 1852.5 | 1907.5 | 0.0944 | 0.0250 | ppm | 4M57G7D | 24E | 19.75 |
| 2 | 5 | 1852.5 | 1907.5 | 0.0515 | 0.0269 | ppm | 4M60W7D | 24E | 17.12 |
| 2 | 10 | 1855 | 1905 | 0.1253 | 0.0271 | ppm | 9M08G7D | 24E | 20.98 |
| 2 | 10 | 1855 | 1905 | 0.1014 | 0.0203 | ppm | 9M07W7D | 24E | 20.06 |
| 2 | 15 | 1857.5 | 1902.5 | 0.1186 | 0.0245 | ppm | 13M6G7D | 24E | 20.74 |
| 2 | 15 | 1857.5 | 1902.5 | 0.1449 | 0.0221 | ppm | 13M6W7D | 24E | 21.61 |
| 2 | 20 | 1860 | 1900 | 0.1233 | 0.0184 | ppm | 18M2G7D | 24E | 20.91 |
| 2 | 20 | 1860 | 1900 | 0.1045 | 0.0107 | ppm | 18M2W7D | 24E | 20.19 |