

## 1. Effective (Isotropic) Radiated Power Output Data

### 1.1 Test Result

#### 1.1.1 Band2\_EIRP

| Band: 2 |         |              |                 |                       |            |            |         |         |
|---------|---------|--------------|-----------------|-----------------------|------------|------------|---------|---------|
| ENV     | Mode    |              | Frequency (MHz) | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |         | Verdict |
|         | Network | Subset       |                 |                       |            | Result     | Limit   |         |
| NTNV    | RMC     | 12.2kbps RMC | 1852.4          | 23.73                 | -0.09      | 23.64      | <=33.01 | Pass    |
|         |         |              | 1880            | 24.05                 | -0.09      | 23.96      | <=33.01 | Pass    |
|         |         |              | 1907.6          | 24.10                 | -0.09      | 24.01      | <=33.01 | Pass    |

Note1: EIRP=Conducted Power+Antenna Gain

## 2. Frequency Stability

### 2.1 Test Result

#### 2.1.1 Band2

| Band: 2 |                 |            |               |                  |                       |             |         |
|---------|-----------------|------------|---------------|------------------|-----------------------|-------------|---------|
| Network | Frequency (MHz) | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) |             | Verdict |
|         |                 |            |               |                  | Result                | Limit       |         |
| RMC     | 1852.4          | 20         | 3.30          | 5.400            | 0.0029                | -2.5 to 2.5 | Pass    |
|         |                 |            | 3.80          | 5.407            | 0.0029                | -2.5 to 2.5 | Pass    |
|         |                 |            | 4.40          | 5.314            | 0.0029                | -2.5 to 2.5 | Pass    |
|         |                 | -30        | 3.80          | 4.978            | 0.0027                | -2.5 to 2.5 | Pass    |
|         |                 | -20        | 3.80          | 5.937            | 0.0032                | -2.5 to 2.5 | Pass    |
|         |                 | -10        | 3.80          | 5.035            | 0.0027                | -2.5 to 2.5 | Pass    |
|         |                 | 0          | 3.80          | 5.329            | 0.0029                | -2.5 to 2.5 | Pass    |
|         |                 | 10         | 3.80          | 5.665            | 0.0031                | -2.5 to 2.5 | Pass    |
|         |                 | 30         | 3.80          | 5.229            | 0.0028                | -2.5 to 2.5 | Pass    |
|         |                 | 40         | 3.80          | 4.792            | 0.0026                | -2.5 to 2.5 | Pass    |
|         |                 | 50         | 3.80          | 4.978            | 0.0027                | -2.5 to 2.5 | Pass    |
|         | 1880            | 20         | 3.30          | 2.496            | 0.0013                | -2.5 to 2.5 | Pass    |
|         |                 |            | 3.80          | 2.146            | 0.0011                | -2.5 to 2.5 | Pass    |
|         |                 |            | 4.40          | 3.054            | 0.0016                | -2.5 to 2.5 | Pass    |
|         |                 | -30        | 3.80          | 1.910            | 0.0010                | -2.5 to 2.5 | Pass    |
|         |                 | -20        | 3.80          | 2.031            | 0.0011                | -2.5 to 2.5 | Pass    |
|         |                 | -10        | 3.80          | 2.217            | 0.0012                | -2.5 to 2.5 | Pass    |
|         |                 | 0          | 3.80          | 1.853            | 0.0010                | -2.5 to 2.5 | Pass    |
|         |                 | 10         | 3.80          | 2.496            | 0.0013                | -2.5 to 2.5 | Pass    |
|         |                 | 30         | 3.80          | 2.425            | 0.0013                | -2.5 to 2.5 | Pass    |
|         |                 | 40         | 3.80          | 2.303            | 0.0012                | -2.5 to 2.5 | Pass    |
|         |                 | 50         | 3.80          | 2.153            | 0.0011                | -2.5 to 2.5 | Pass    |
|         | 1907.6          | 20         | 3.30          | -0.536           | -0.0003               | -2.5 to 2.5 | Pass    |
|         |                 |            | 3.80          | -0.672           | -0.0004               | -2.5 to 2.5 | Pass    |
|         |                 |            | 4.40          | -0.114           | -0.0001               | -2.5 to 2.5 | Pass    |
|         |                 | -30        | 3.80          | -0.622           | -0.0003               | -2.5 to 2.5 | Pass    |
|         |                 | -20        | 3.80          | -0.679           | -0.0004               | -2.5 to 2.5 | Pass    |
|         |                 | -10        | 3.80          | -0.601           | -0.0003               | -2.5 to 2.5 | Pass    |
|         |                 | 0          | 3.80          | -0.551           | -0.0003               | -2.5 to 2.5 | Pass    |
|         |                 | 10         | 3.80          | -0.529           | -0.0003               | -2.5 to 2.5 | Pass    |
|         |                 | 30         | 3.80          | -0.722           | -0.0004               | -2.5 to 2.5 | Pass    |

|  |  |    |      |        |         |             |      |
|--|--|----|------|--------|---------|-------------|------|
|  |  | 40 | 3.80 | -1.066 | -0.0006 | -2.5 to 2.5 | Pass |
|  |  | 50 | 3.80 | -0.887 | -0.0005 | -2.5 to 2.5 | Pass |

### 3. 99% & 26dB Bandwidth

#### 3.1 Test Result

##### 3.1.1 Band2\_OBW

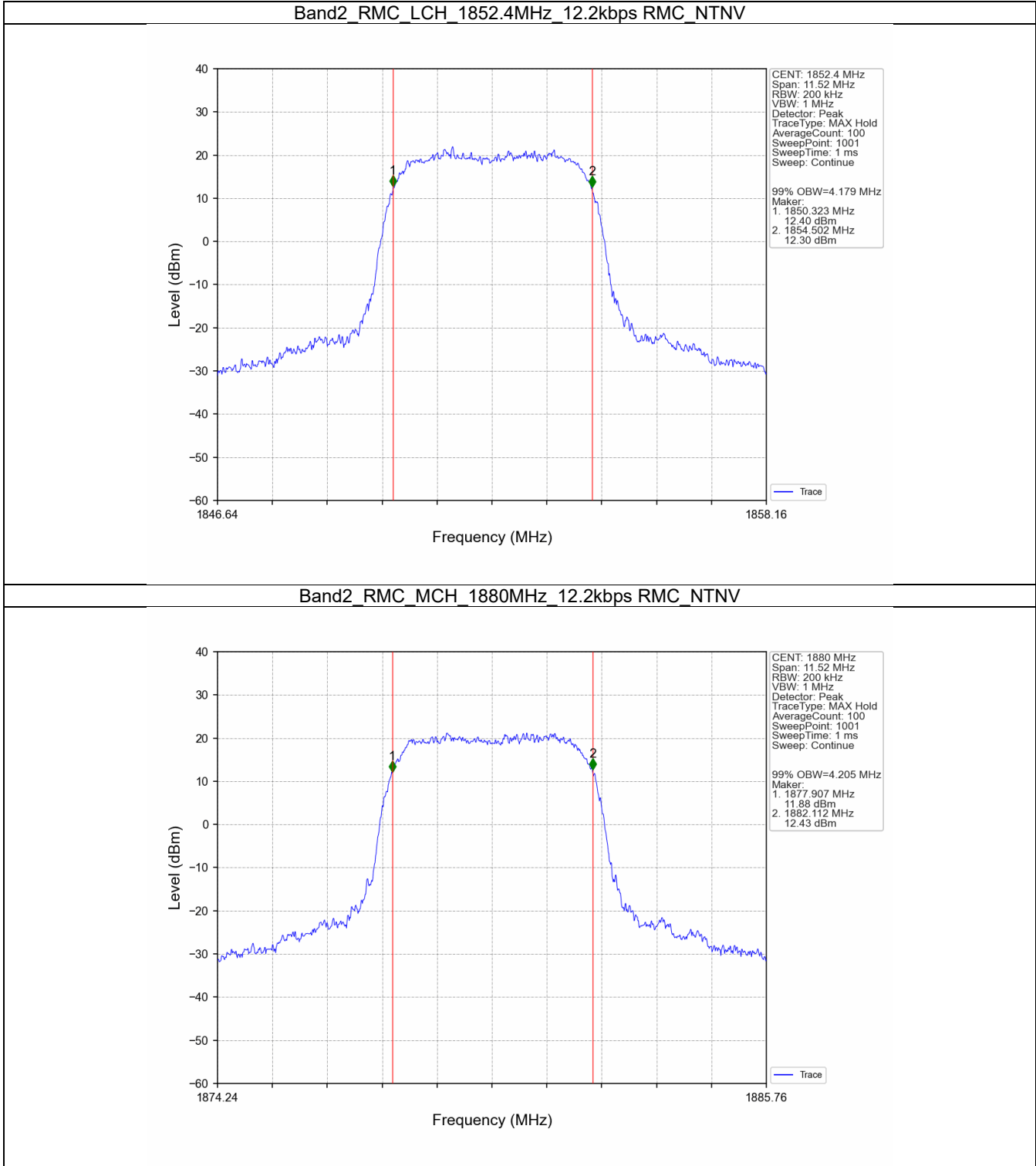
| Band: 2 |         |              |                 |                              |       |         |
|---------|---------|--------------|-----------------|------------------------------|-------|---------|
| ENV     | Mode    |              | Frequency (MHz) | 99% Occupied Bandwidth (MHz) |       | Verdict |
|         | Network | Subset       |                 | Result                       | Limit |         |
| NTNV    | RMC     | 12.2kbps RMC | 1852.4          | 4.179                        | /     | Pass    |
|         |         |              | 1880            | 4.205                        | /     | Pass    |
|         |         |              | 1907.6          | 4.190                        | /     | Pass    |

##### 3.1.2 Band2\_XDB

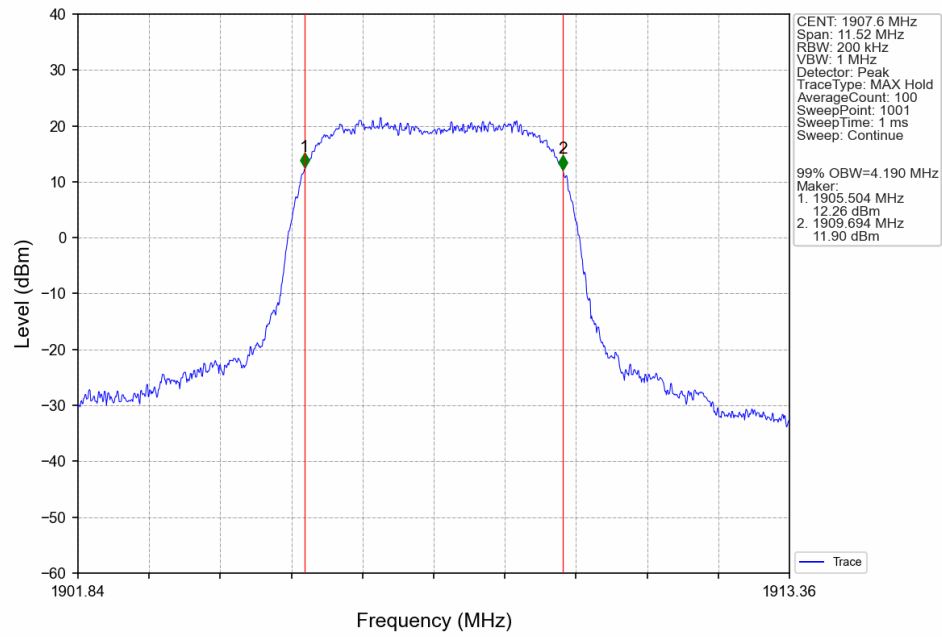
| Band: 2 |         |              |                 |                      |       |         |
|---------|---------|--------------|-----------------|----------------------|-------|---------|
| ENV     | Mode    |              | Frequency (MHz) | 26dB Bandwidth (MHz) |       | Verdict |
|         | Network | Subset       |                 | Result               | Limit |         |
| NTNV    | RMC     | 12.2kbps RMC | 1852.4          | 4.815                | /     | Pass    |
|         |         |              | 1880            | 4.845                | /     | Pass    |
|         |         |              | 1907.6          | 4.826                | /     | Pass    |

3.2 Test Graph

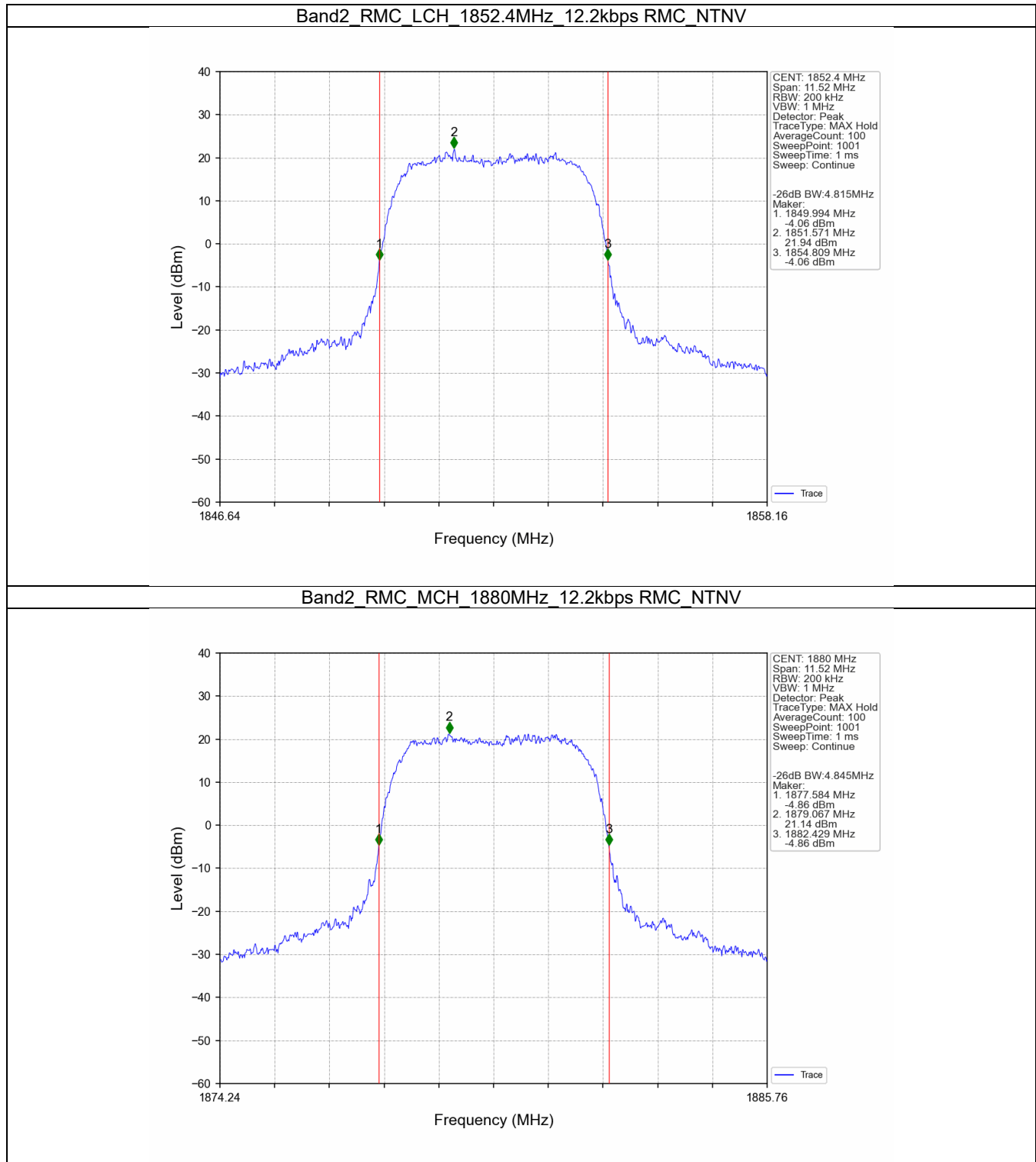
3.2.1 Band2\_OBW

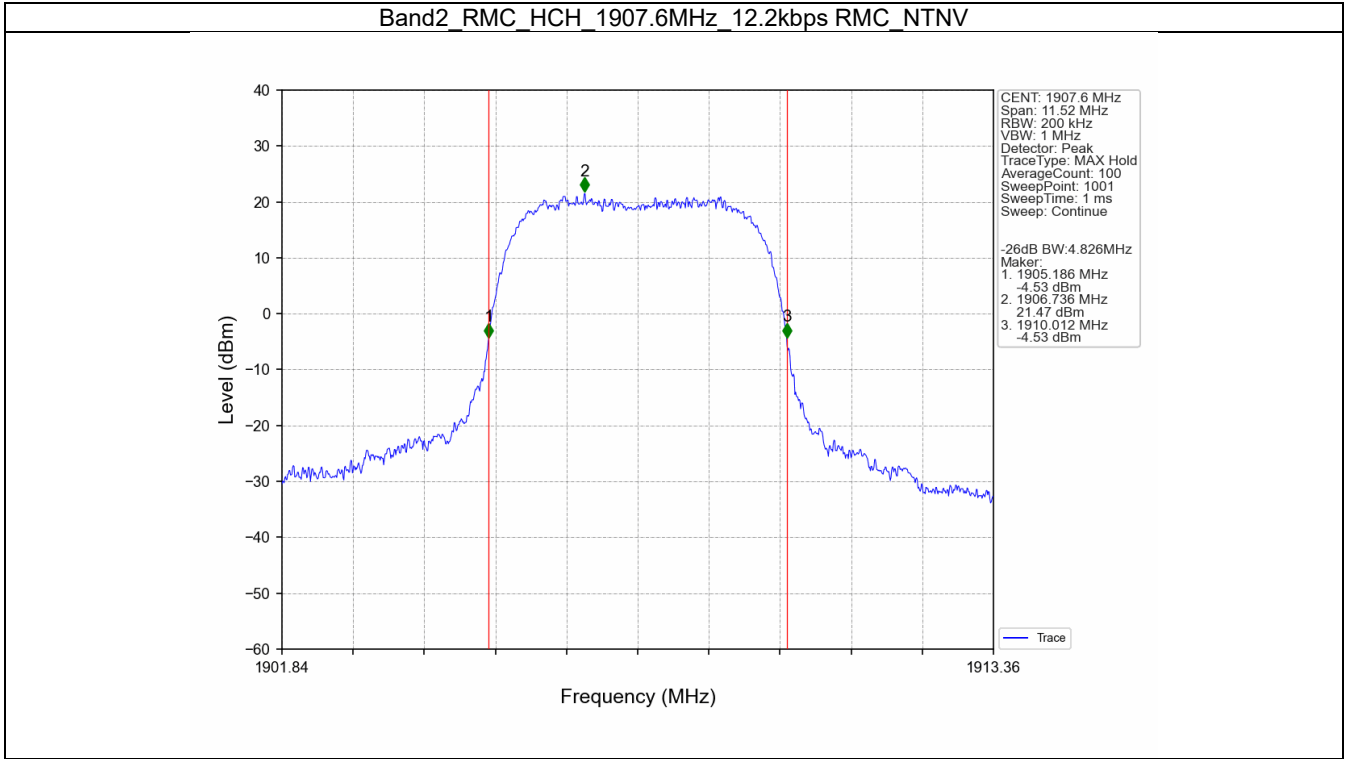


Band2\_RMC\_HCH\_1907.6MHz\_12.2kbps RMC\_NTNV



## 3.2.2 Band2\_XDB





## 4. Peak-Average Ratio

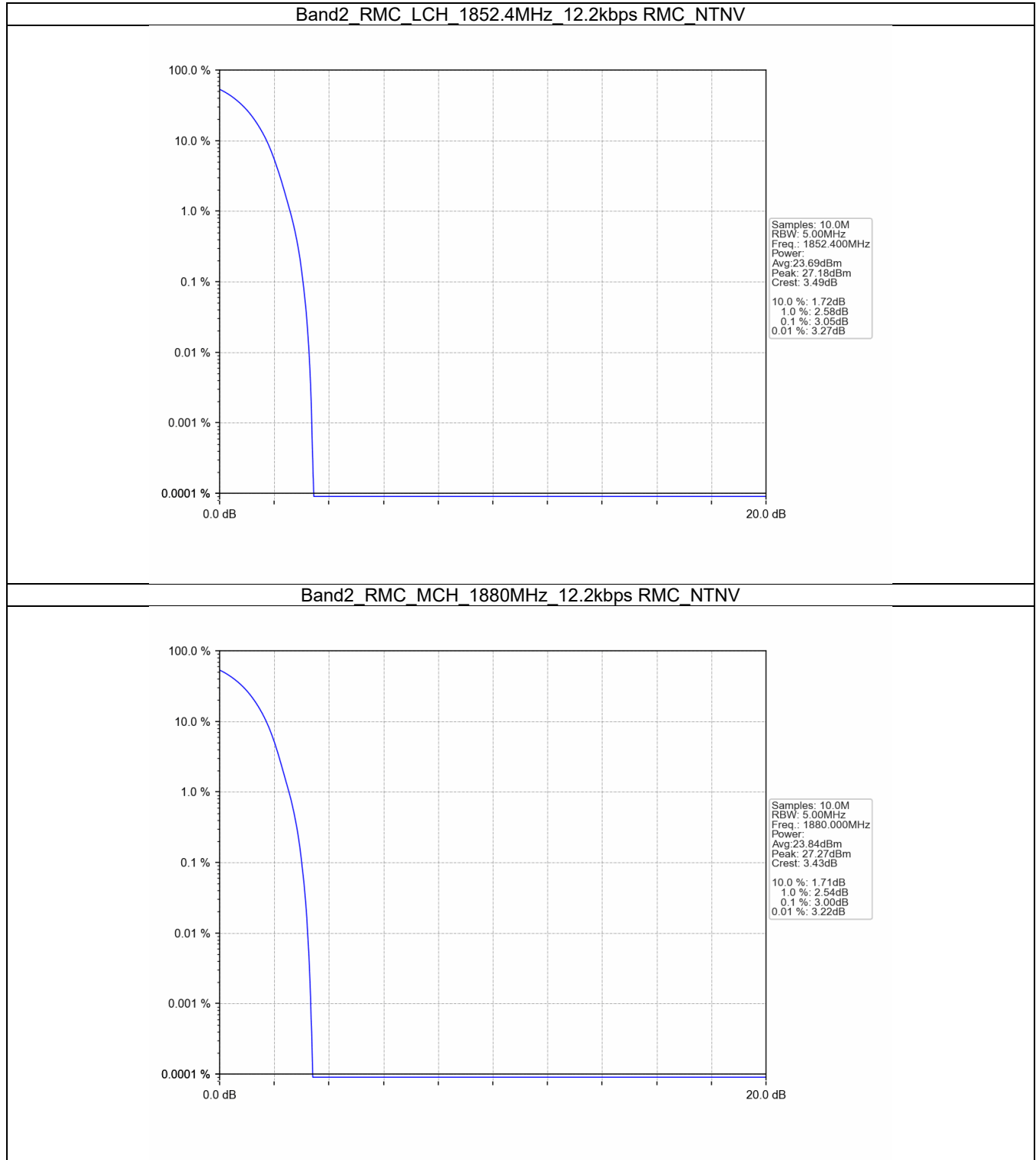
### 4.1 Test Result

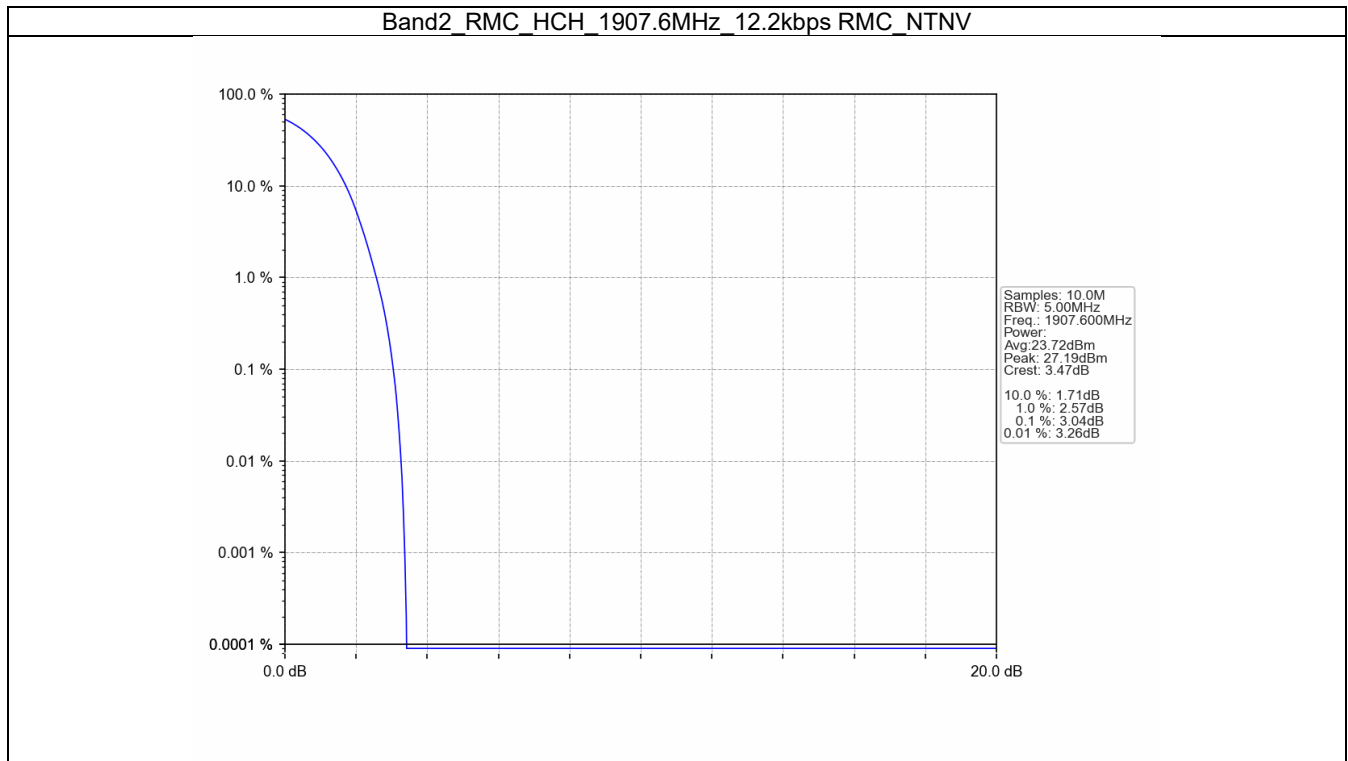
#### 4.1.1 Band2

| Band: 2 |         |              |                    |                         |       |         |
|---------|---------|--------------|--------------------|-------------------------|-------|---------|
| ENV     | Mode    |              | Frequency<br>(MHz) | Peak-Average Ratio (dB) |       | Verdict |
|         | Network | Subset       |                    | Result                  | Limit |         |
| NTNV    | RMC     | 12.2kbps RMC | 1852.4             | 3.05                    | <=13  | Pass    |
|         |         |              | 1880               | 3.00                    | <=13  | Pass    |
|         |         |              | 1907.6             | 3.04                    | <=13  | Pass    |

## 4.2 Test Graph

### 4.2.1 Band2





## 5. Spurious Emission

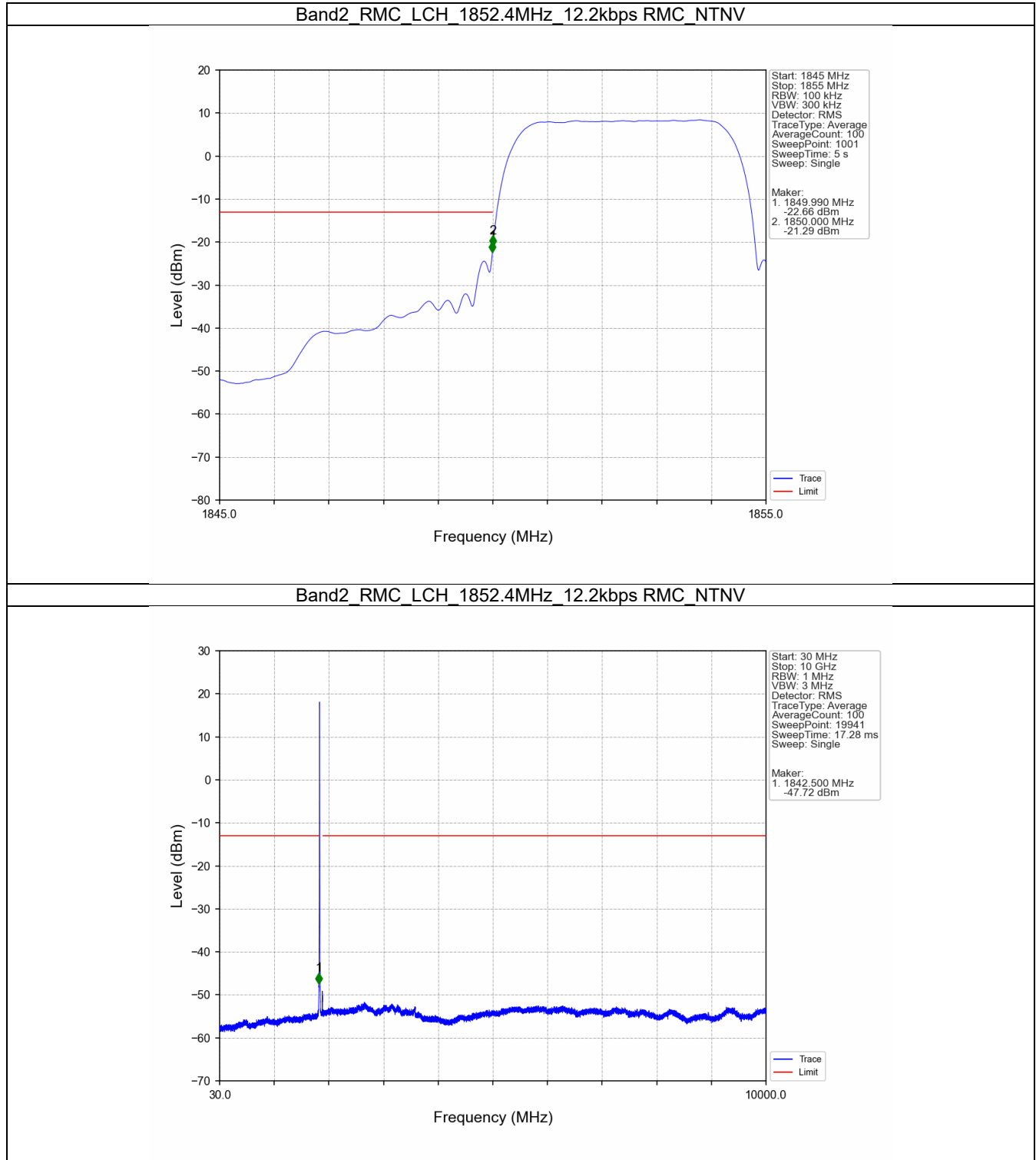
### 5.1 Test Result

#### 5.1.1 Band2

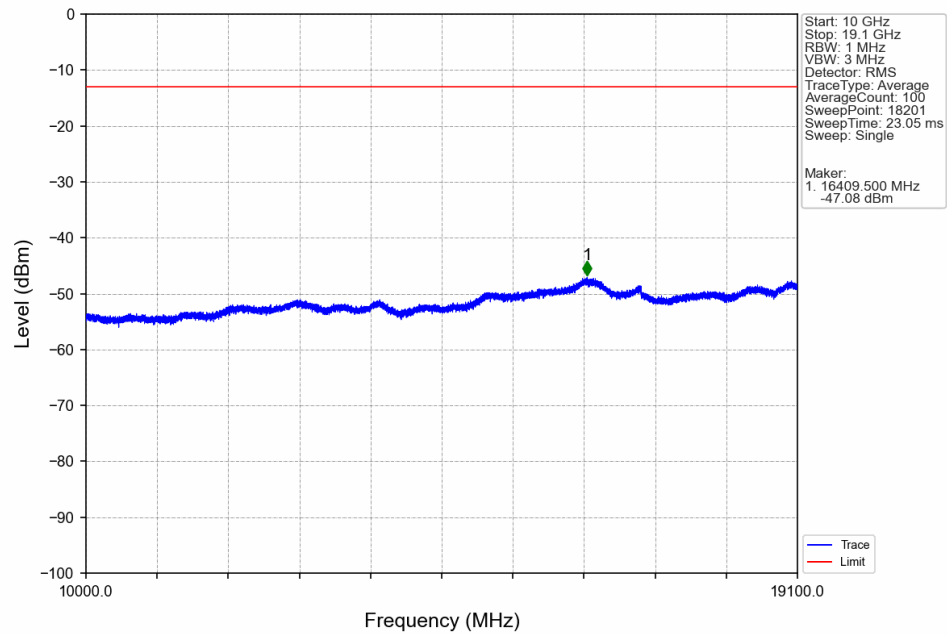
| Band: 2 |         |              |                    |                     |       |
|---------|---------|--------------|--------------------|---------------------|-------|
| ENV     | Mode    |              | Frequency<br>(MHz) | Spurious Emission   |       |
|         | Network | Subset       |                    | Result              | Limit |
| NTNV    | RMC     | 12.2kbps RMC | 1852.4             | Refer To Test Graph | Pass  |
|         |         |              | 1880               | Refer To Test Graph | Pass  |
|         |         |              | 1907.6             | Refer To Test Graph | Pass  |

## 5.2 Test Graph

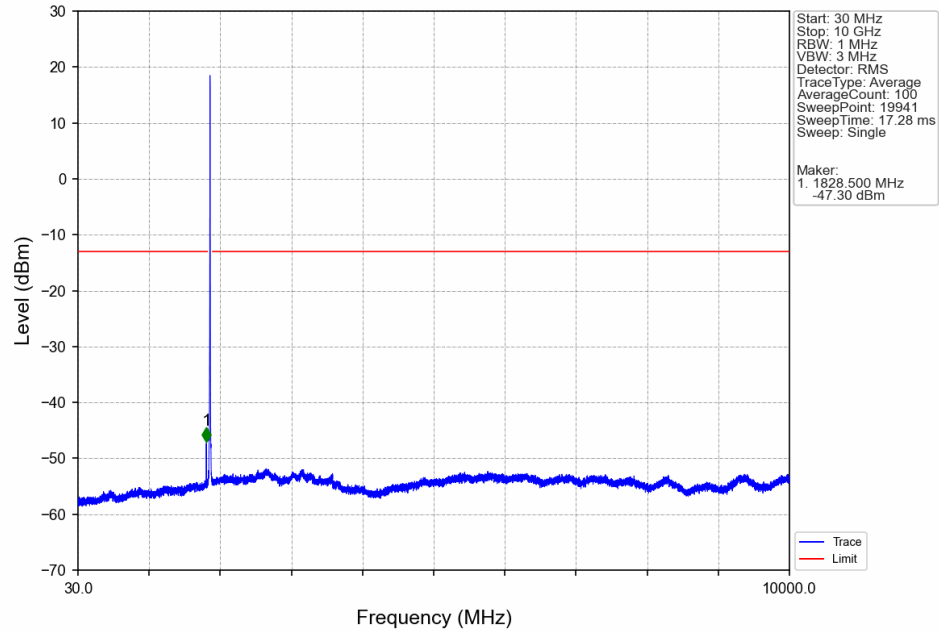
### 5.2.1 Band2



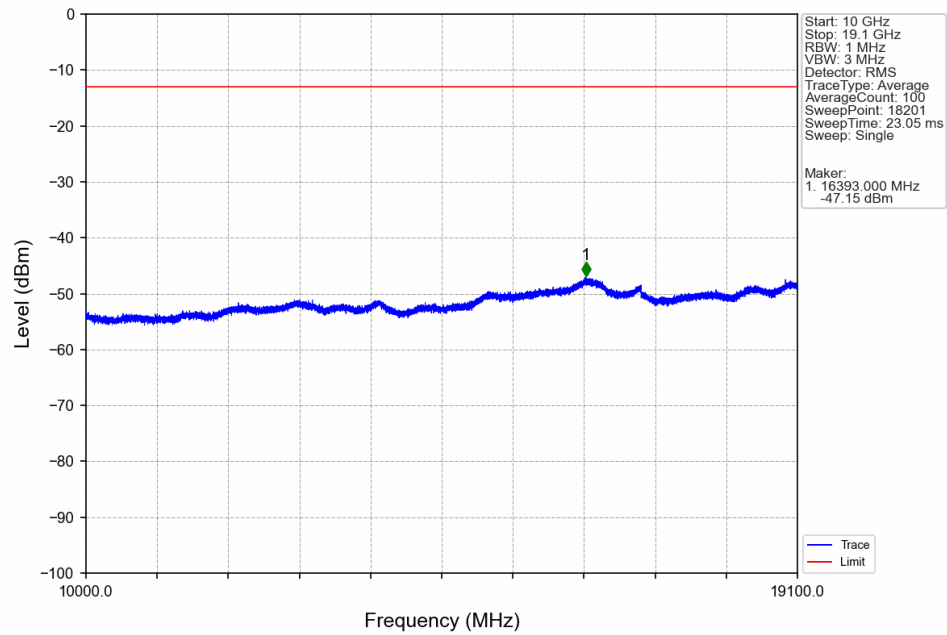
Band2\_RMC\_LCH\_1852.4MHz\_12.2kbps RMC\_NTNV



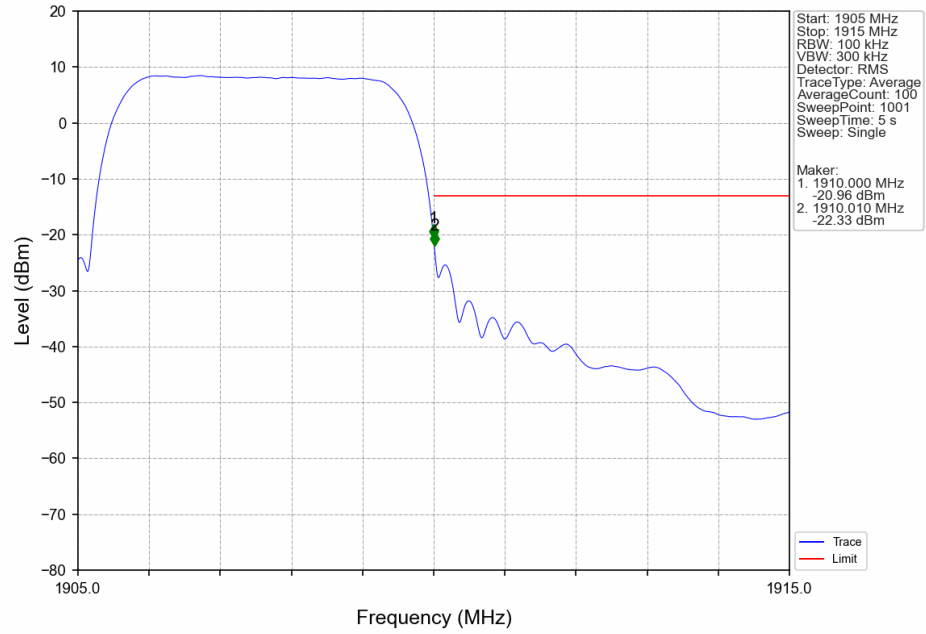
Band2\_RMC\_MCH\_1880MHz\_12.2kbps RMC\_NTNV



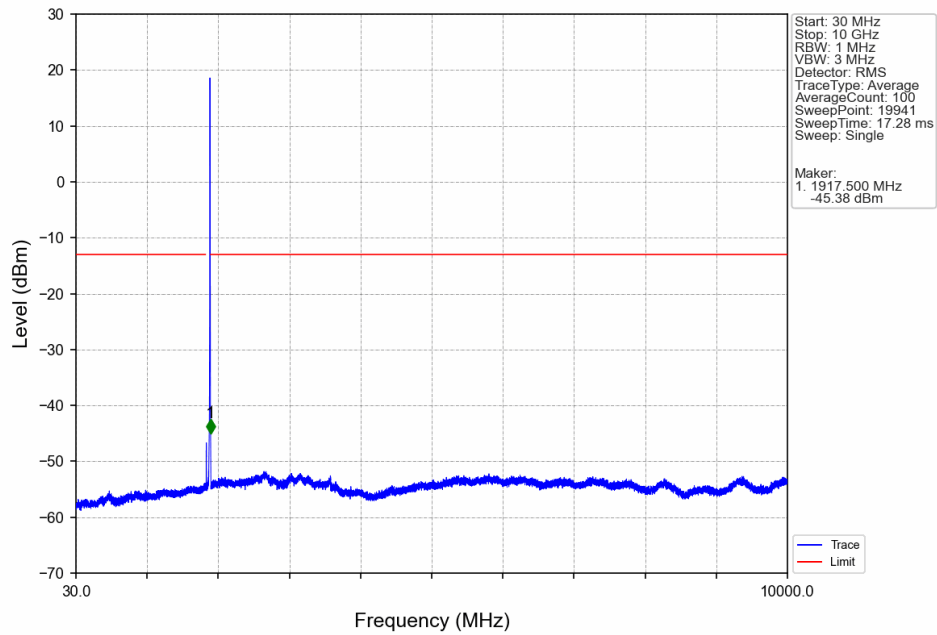
Band2\_RMC\_MCH\_1880MHz\_12.2kbps RMC\_NTNV



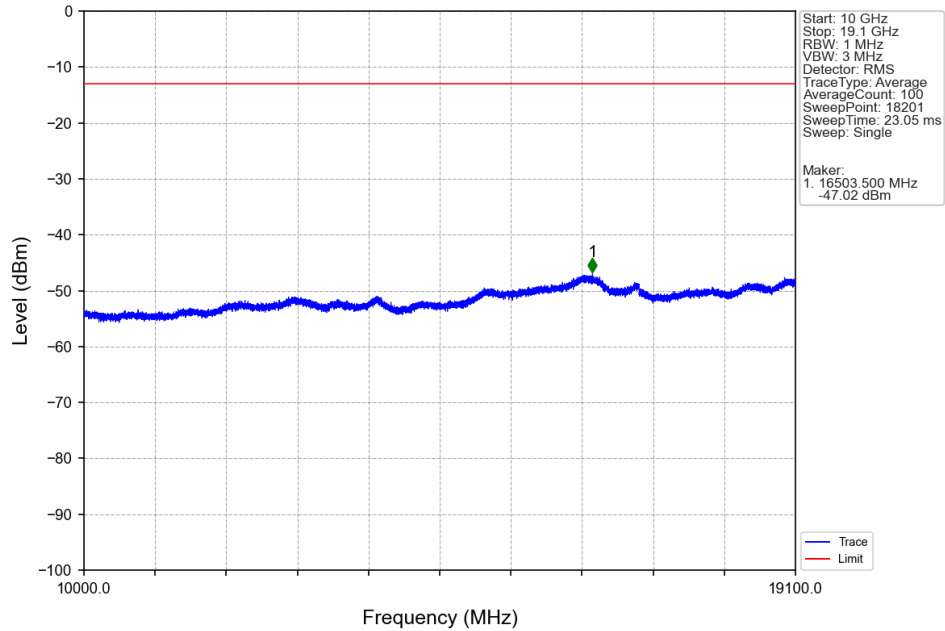
Band2\_RMC\_HCH\_1907.6MHz\_12.2kbps RMC\_NTNV



Band2\_RMC\_HCH\_1907.6MHz\_12.2kbps RMC\_NTNV



Band2\_RMC\_HCH\_1907.6MHz\_12.2kbps RMC\_NTNV



---End of Attachment---