

# RF Test Report

## For

|                      |                               |
|----------------------|-------------------------------|
| Project No.:         | DLE-250403001R                |
| Client:              | Ningbo Deli Imp.&Exp. Co.,Ltd |
| Manufacturer:        | DELI GROUP CO.,LTD.           |
| Product Description: | Portable A4 Printer           |
| Model No.:           | AZ5005                        |
| Test Engineer:       | Ken Tan                       |
| Test Date:           | 2025-02-10                    |

## Test Summary

| Item                                                 | Result |
|------------------------------------------------------|--------|
| Duty Cycle                                           | Pass   |
| Bandwidth                                            | Pass   |
| Maximum Conducted Output Power                       | Pass   |
| Maximum Power Spectral Density                       | Pass   |
| Unwanted Emissions In Non-restricted Frequency Bands | Pass   |

# 1. Duty Cycle

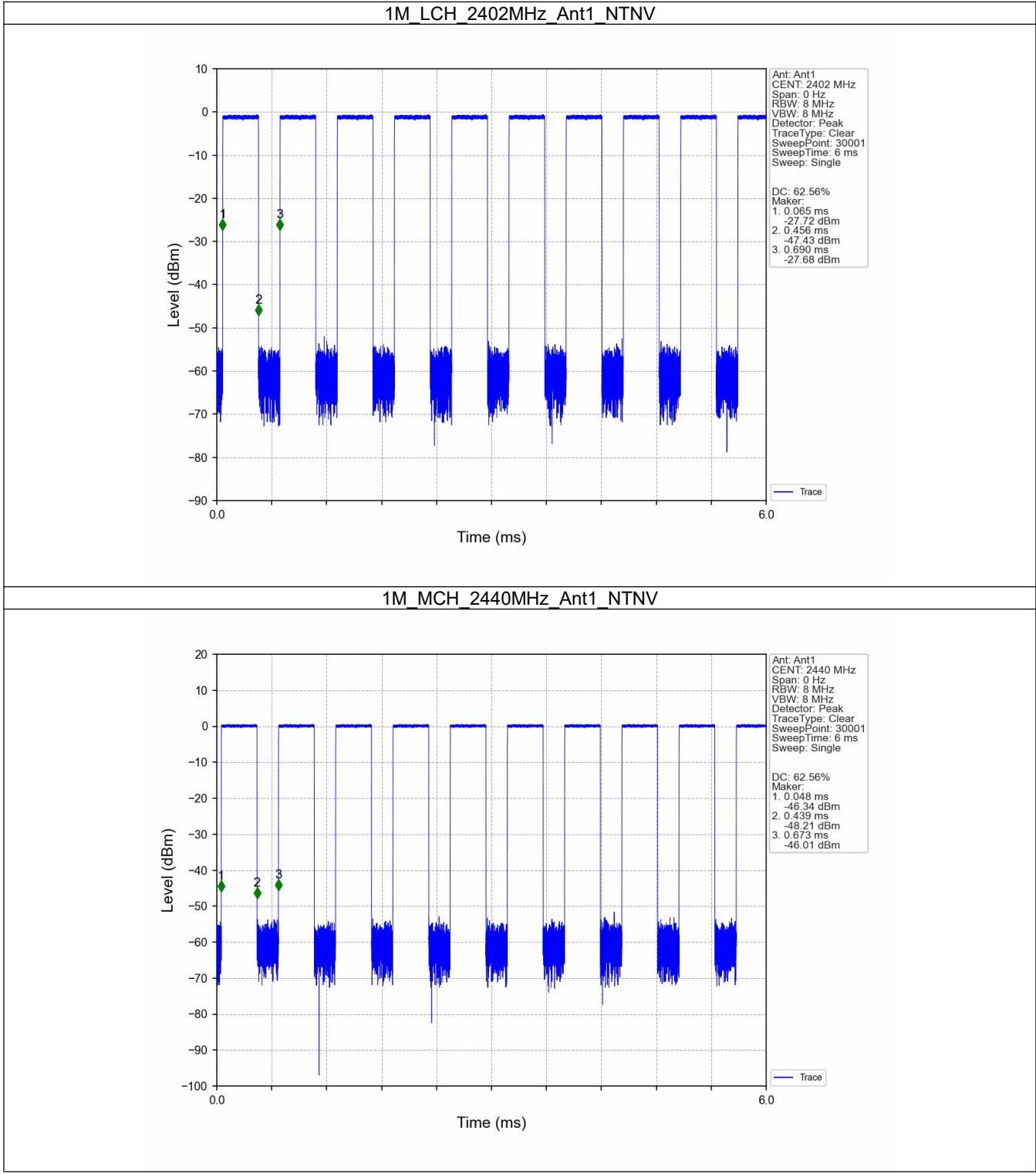
## 1.1 Test Result

### 1.1.1 Ant1

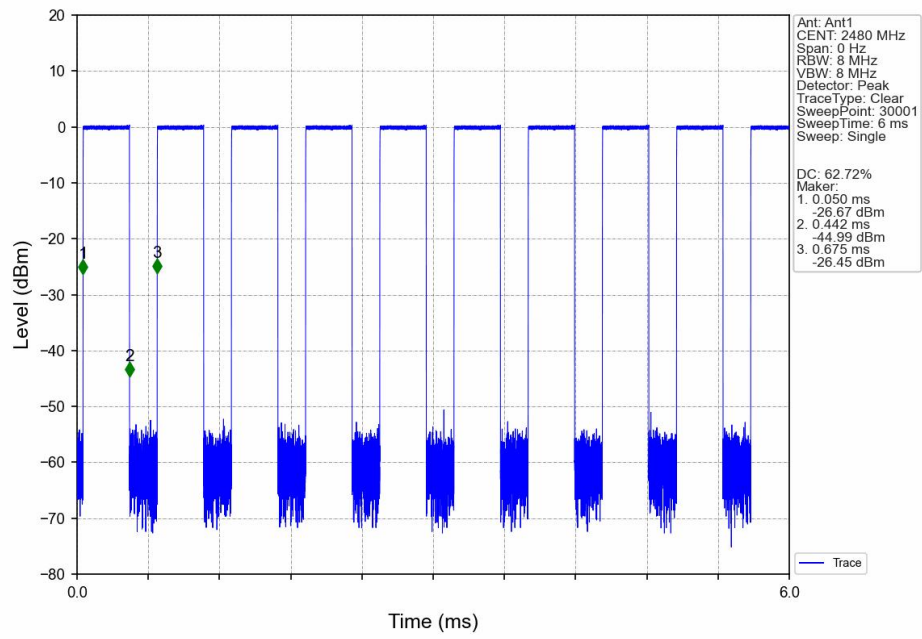
| Ant1 |         |                 |           |             |                |                                   |                       |
|------|---------|-----------------|-----------|-------------|----------------|-----------------------------------|-----------------------|
| Mode | TX Type | Frequency (MHz) | T_on (ms) | Period (ms) | Duty Cycle (%) | Duty Cycle Correction Factor (dB) | Max. DC Variation (%) |
| 1M   | SISO    | 2402            | 0.391     | 0.625       | 62.56          | 2.04                              | 0.00                  |
|      |         | 2440            | 0.391     | 0.625       | 62.56          | 2.04                              | 0.00                  |
|      |         | 2480            | 0.392     | 0.625       | 62.72          | 2.03                              | 0.00                  |

# 1.2 Test Graph

## 1.2.1 Ant1



# 1M\_HCH\_2480MHz\_Ant1\_NTNV



## 2. Bandwidth

### 2.1 Test Result

#### 2.1.1 OBW

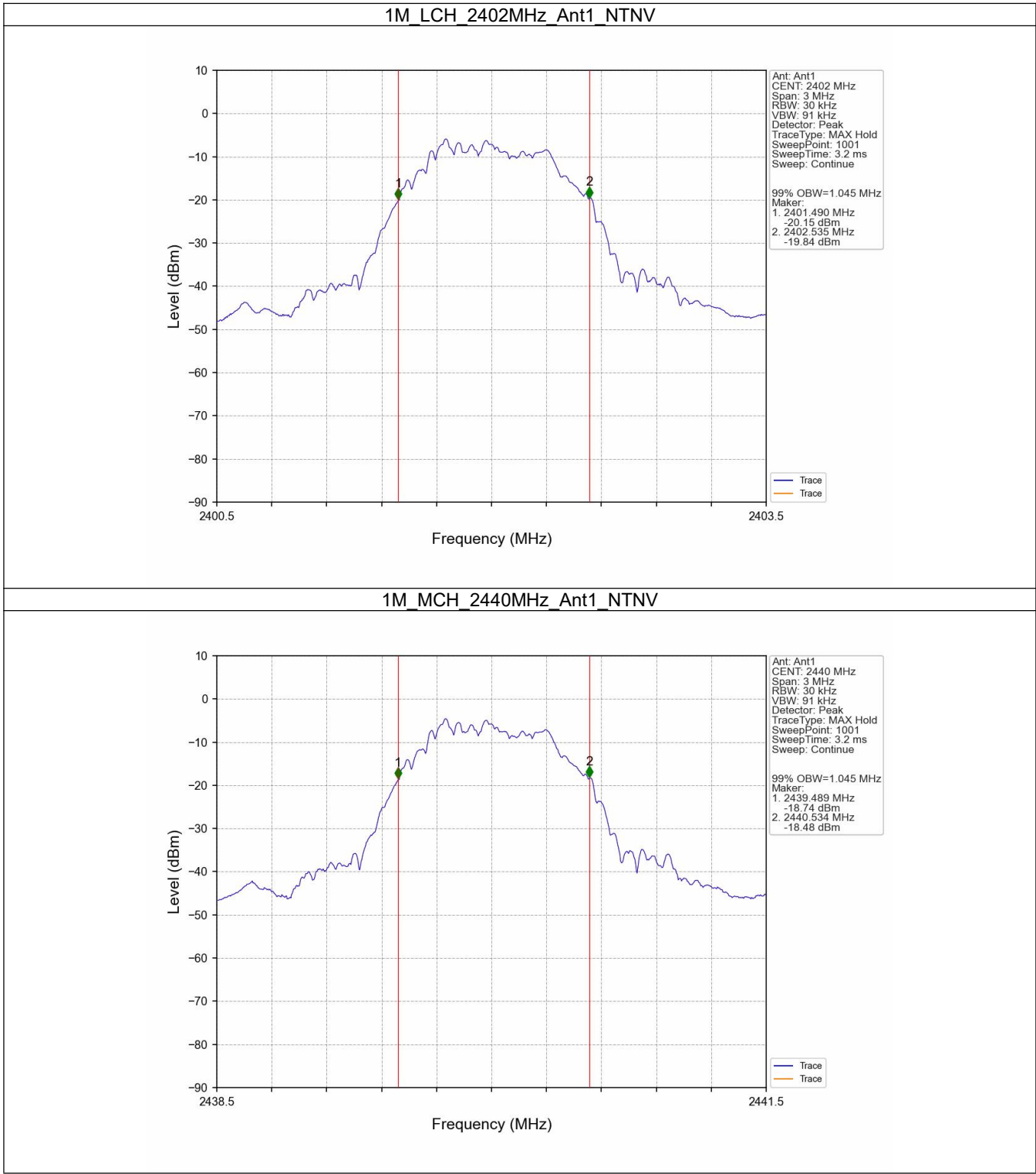
| Mode | TX Type | Frequency (MHz) | ANT | 99% Occupied Bandwidth (MHz) |       | Verdict |
|------|---------|-----------------|-----|------------------------------|-------|---------|
|      |         |                 |     | Result                       | Limit |         |
| 1M   | SISO    | 2402            | 1   | 1.045                        | /     | Pass    |
|      |         | 2440            | 1   | 1.045                        | /     | Pass    |
|      |         | 2480            | 1   | 1.045                        | /     | Pass    |

#### 2.1.2 6dB BW

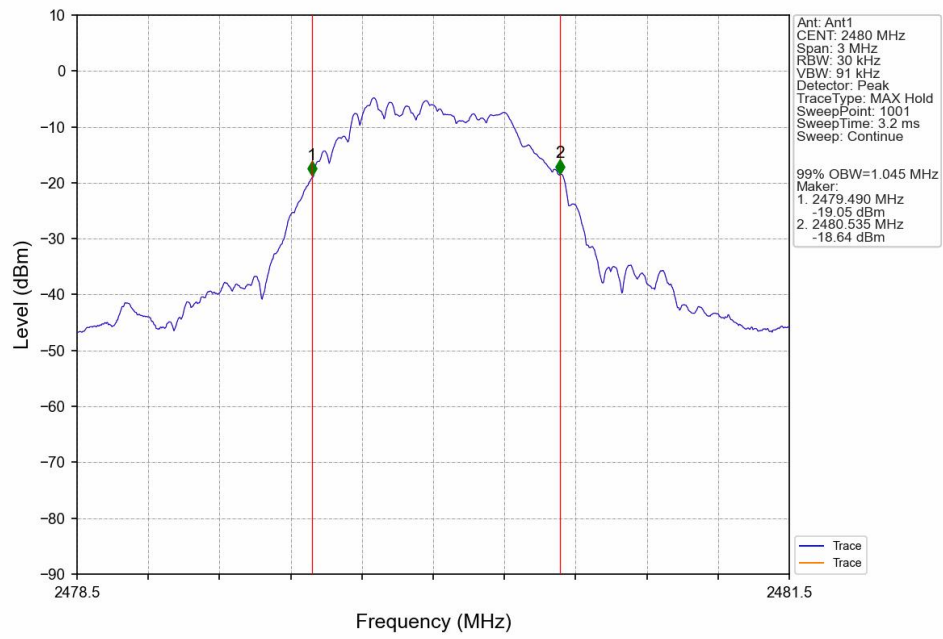
| Mode | TX Type | Frequency (MHz) | ANT | 6dB Bandwidth (MHz) |            | Verdict |
|------|---------|-----------------|-----|---------------------|------------|---------|
|      |         |                 |     | Result              | Limit      |         |
| 1M   | SISO    | 2402            | 1   | 0.714               | $\geq 0.5$ | Pass    |
|      |         | 2440            | 1   | 0.707               | $\geq 0.5$ | Pass    |
|      |         | 2480            | 1   | 0.714               | $\geq 0.5$ | Pass    |

# 2.2 Test Graph

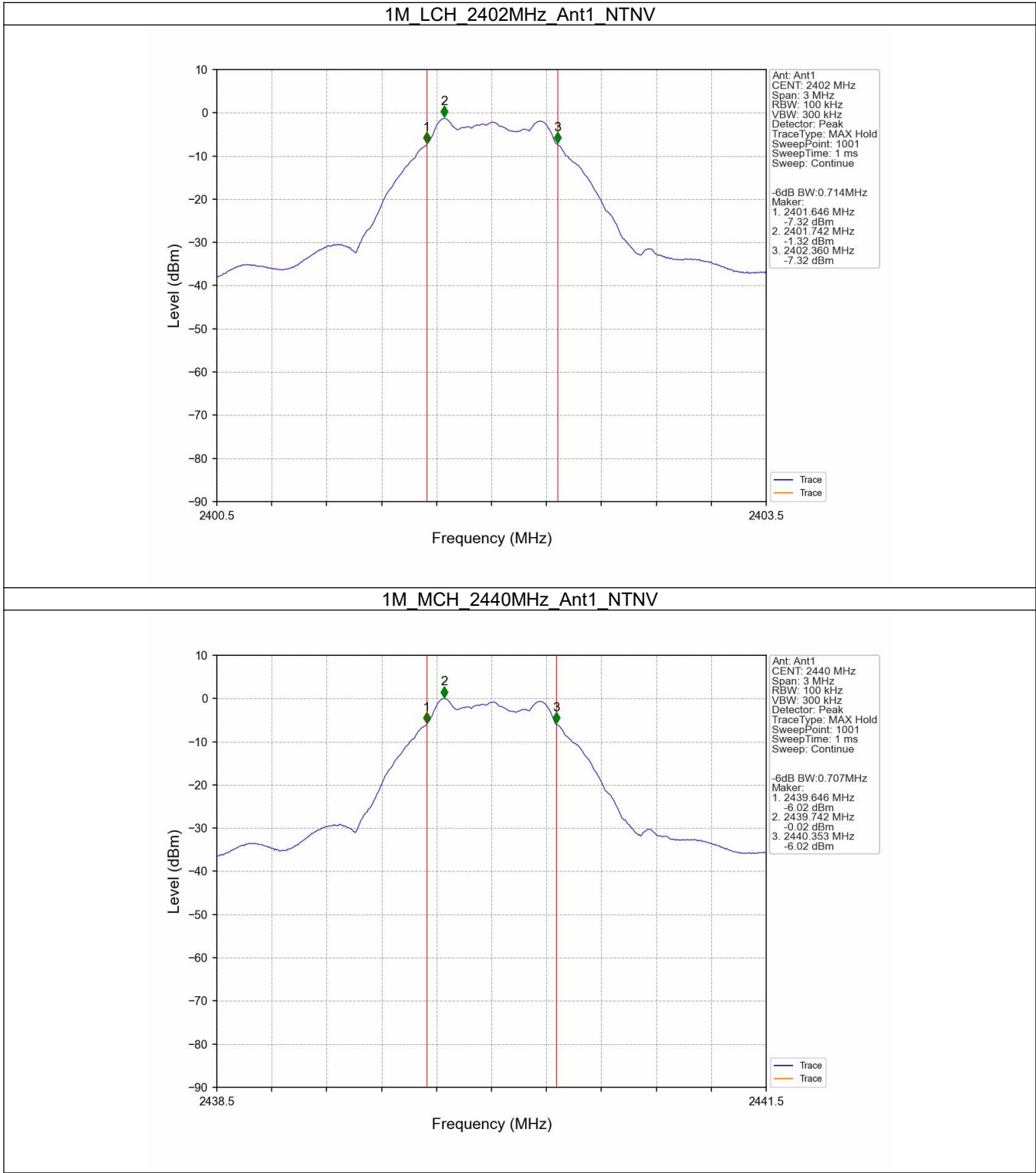
## 2.2.1 OBW



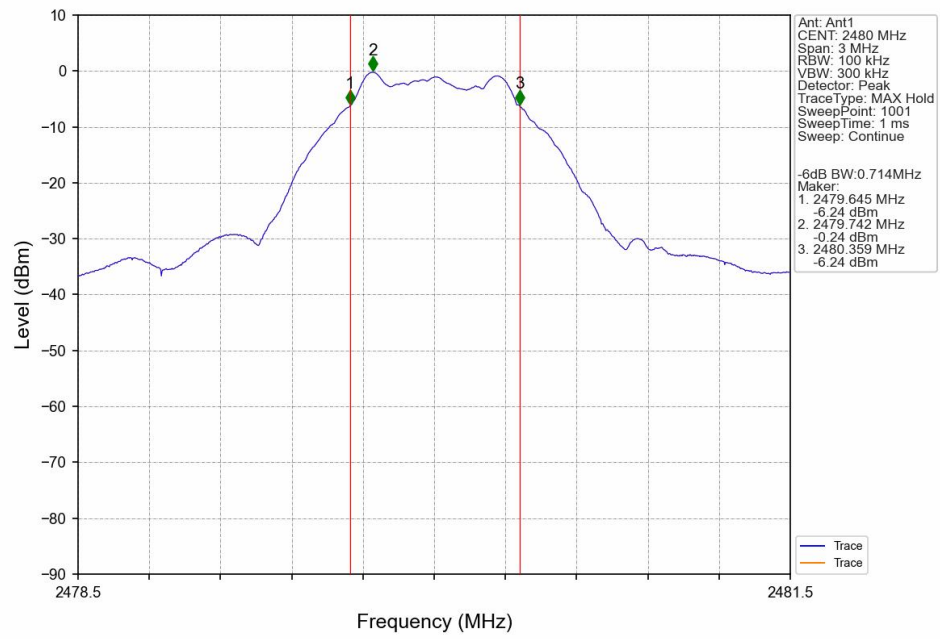
# 1M\_HCH\_2480MHz\_Ant1\_NTNV



2.2.2 6dB BW



# 1M\_HCH\_2480MHz\_Ant1\_NTNV



### 3. Maximum Conducted Output Power

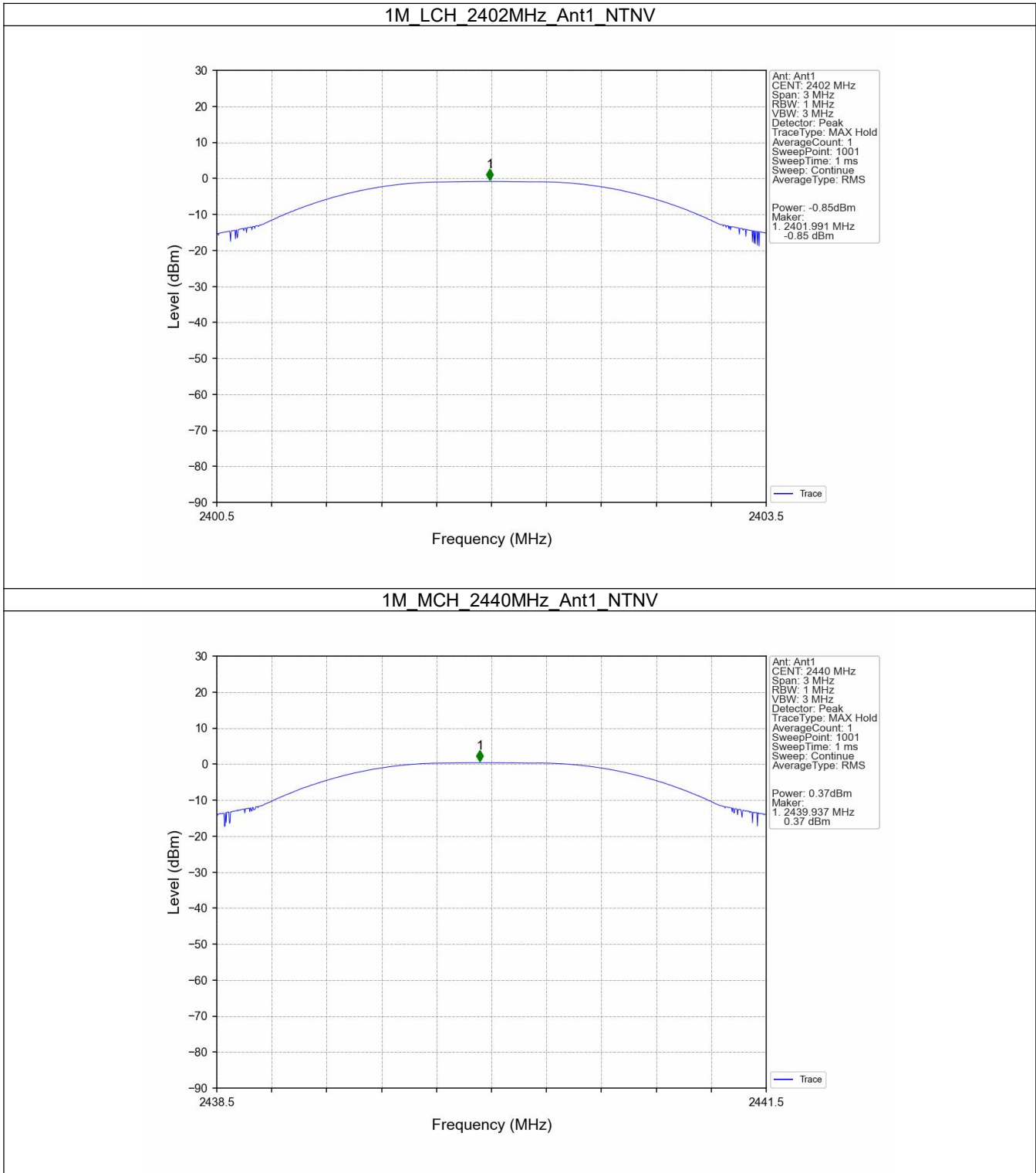
#### 3.1 Test Result

##### 3.1.1 Power

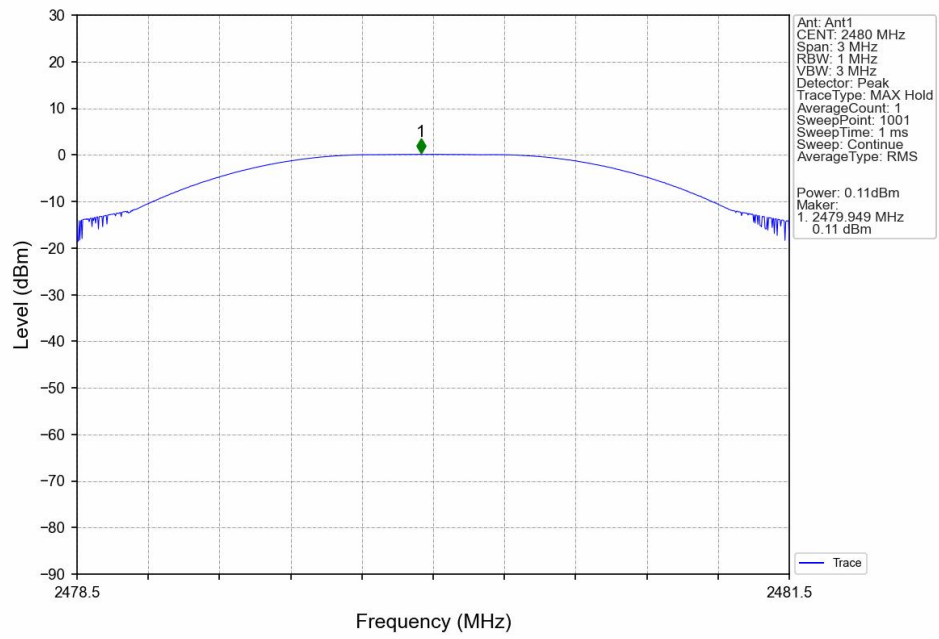
| Mode                                 | TX Type | Frequency (MHz) | Maximum Peak Conducted Output Power (dBm) |       | Verdict |
|--------------------------------------|---------|-----------------|-------------------------------------------|-------|---------|
|                                      |         |                 | ANT1                                      | Limit |         |
| 1M                                   | SISO    | 2402            | -0.85                                     | <=30  | Pass    |
|                                      |         | 2440            | 0.37                                      | <=30  | Pass    |
|                                      |         | 2480            | 0.11                                      | <=30  | Pass    |
| Note1: Antenna Gain: Ant1: -4.73dBi; |         |                 |                                           |       |         |

# 3.2 Test Graph

## 3.2.1 Power



# 1M\_HCH\_2480MHz\_Ant1\_NTNV



## 4. Maximum Power Spectral Density

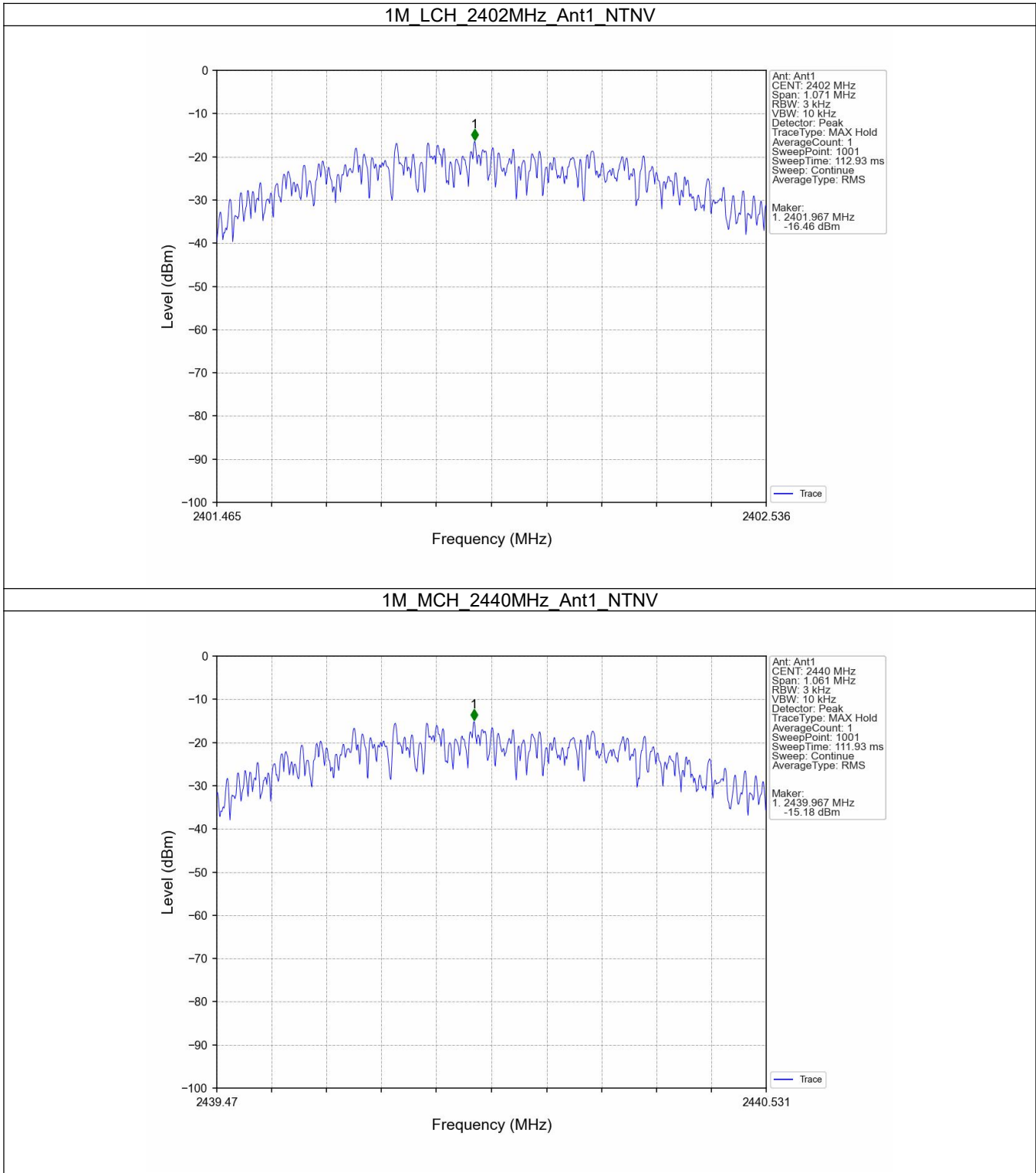
### 4.1 Test Result

#### 4.1.1 PSD

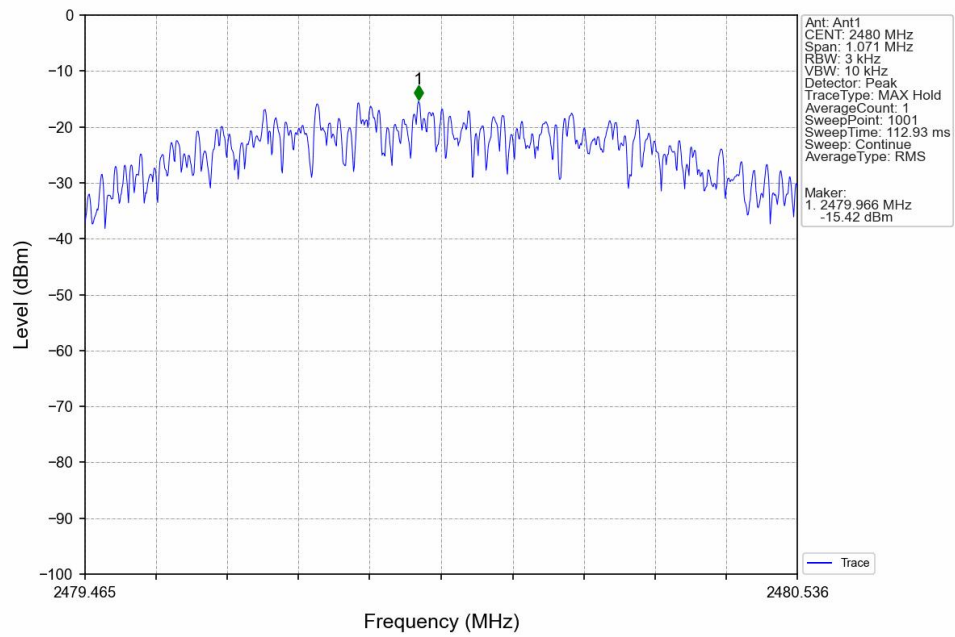
| Mode                                 | TX Type | Frequency (MHz) | Maximum PSD (dBm/3kHz) |       | Verdict |
|--------------------------------------|---------|-----------------|------------------------|-------|---------|
|                                      |         |                 | ANT1                   | Limit |         |
| 1M                                   | SISO    | 2402            | -16.46                 | <=8   | Pass    |
|                                      |         | 2440            | -15.18                 | <=8   | Pass    |
|                                      |         | 2480            | -15.42                 | <=8   | Pass    |
| Note1: Antenna Gain: Ant1: -4.73dBi; |         |                 |                        |       |         |

# 4.2 Test Graph

## 4.2.1 PSD



# 1M\_HCH\_2480MHz\_Ant1\_NTNV



## 5. Unwanted Emissions In Non-restricted Frequency Bands

### 5.1 Test Result

#### 5.1.1 Ref

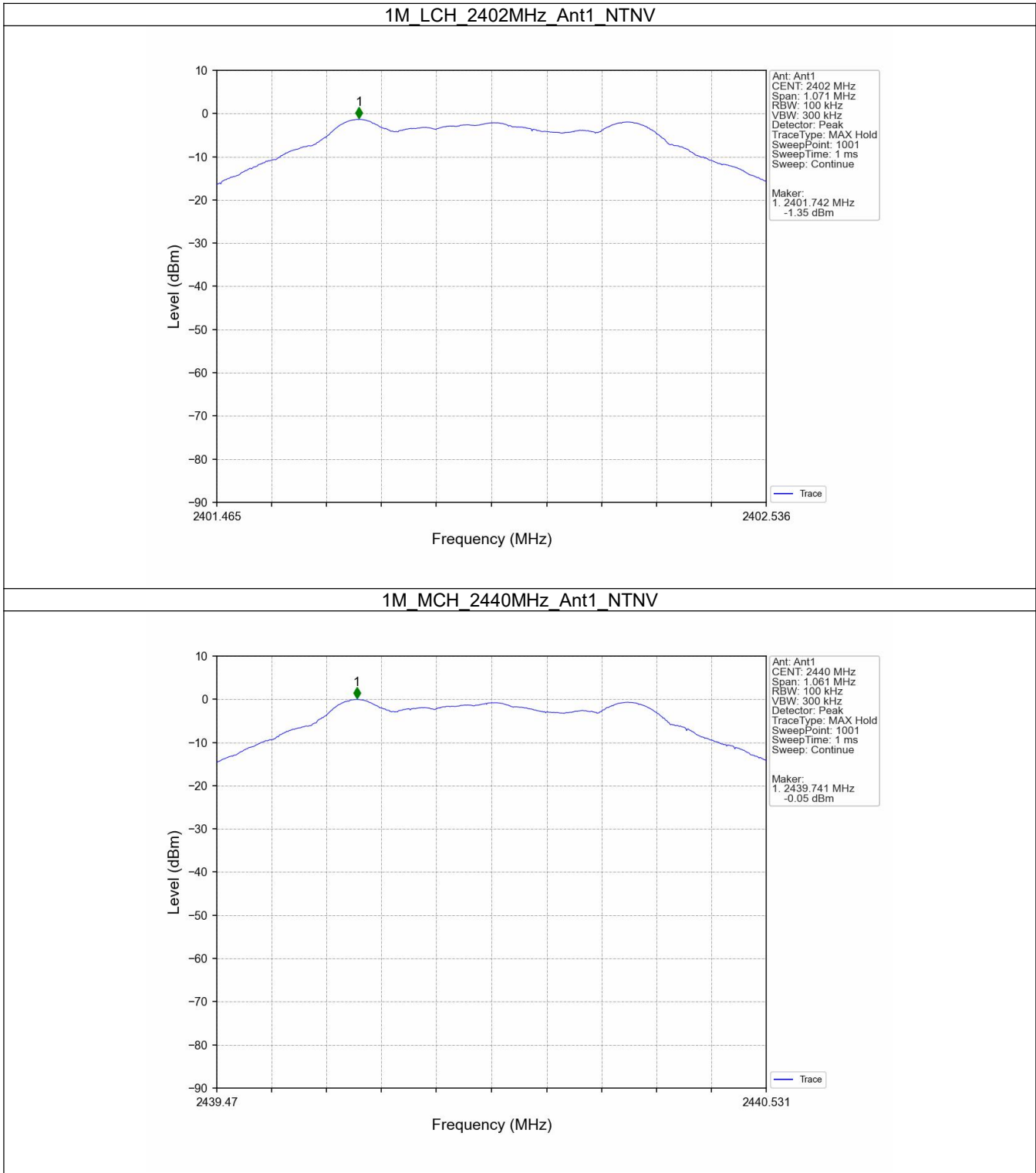
| Mode                                                                                                                                            | TX Type | Frequency (MHz) | ANT | Level of Reference (dBm) |
|-------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----------------|-----|--------------------------|
| 1M                                                                                                                                              | SISO    | 2402            | 1   | -1.35                    |
|                                                                                                                                                 |         | 2440            | 1   | -0.05                    |
|                                                                                                                                                 |         | 2480            | 1   | -0.27                    |
| Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level. |         |                 |     |                          |

#### 5.1.2 CSE

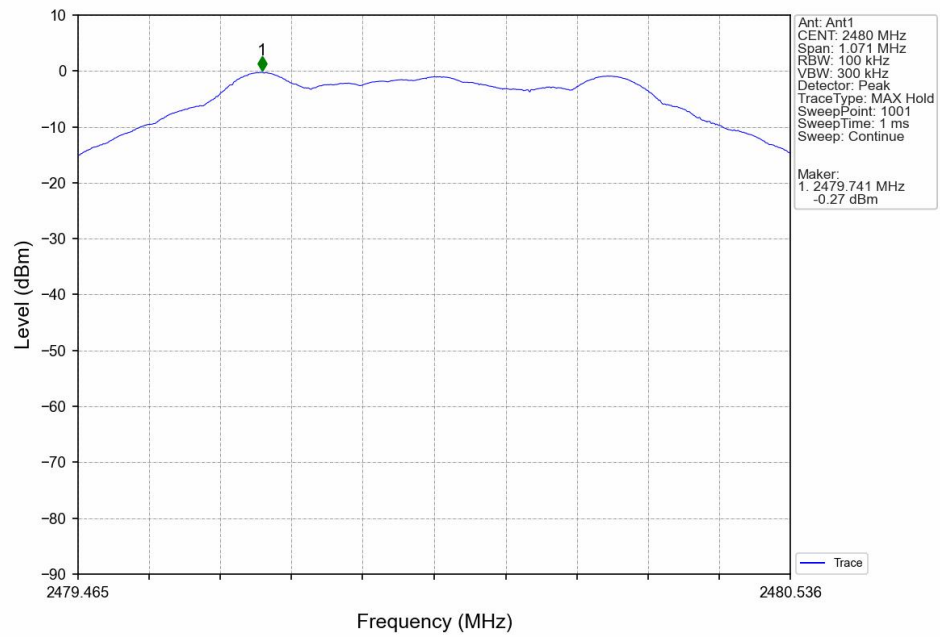
| Mode                                                                                                                                            | TX Type | Frequency (MHz) | ANT | Level of Reference (dBm) | Limit (dBm) | Verdict |
|-------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----------------|-----|--------------------------|-------------|---------|
| 1M                                                                                                                                              | SISO    | 2402            | 1   | -1.35                    | -21.35      | Pass    |
|                                                                                                                                                 |         | 2440            | 1   | -0.05                    | -20.05      | Pass    |
|                                                                                                                                                 |         | 2480            | 1   | -0.27                    | -20.27      | Pass    |
| Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level. |         |                 |     |                          |             |         |

# 5.2 Test Graph

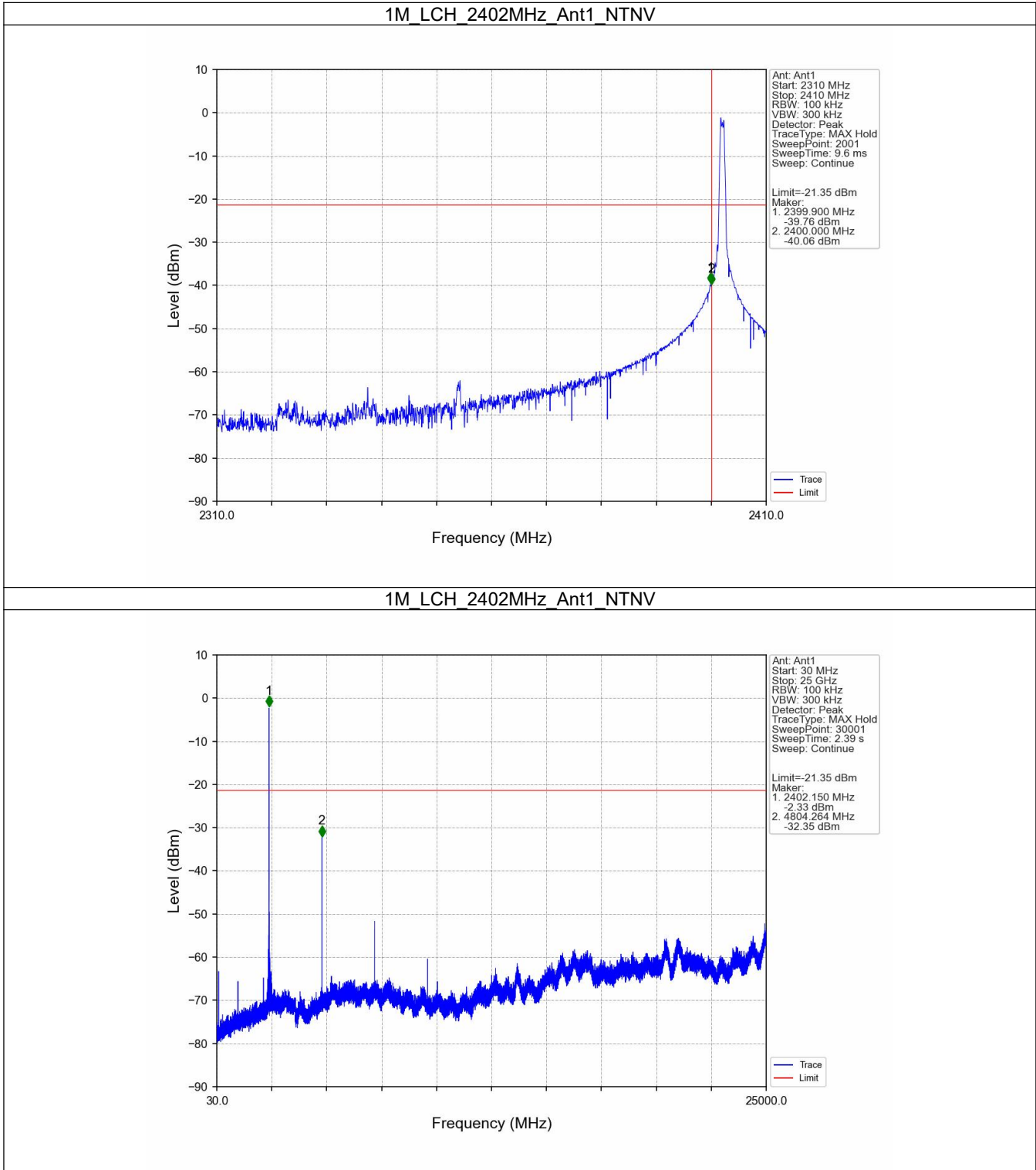
## 5.2.1 Ref



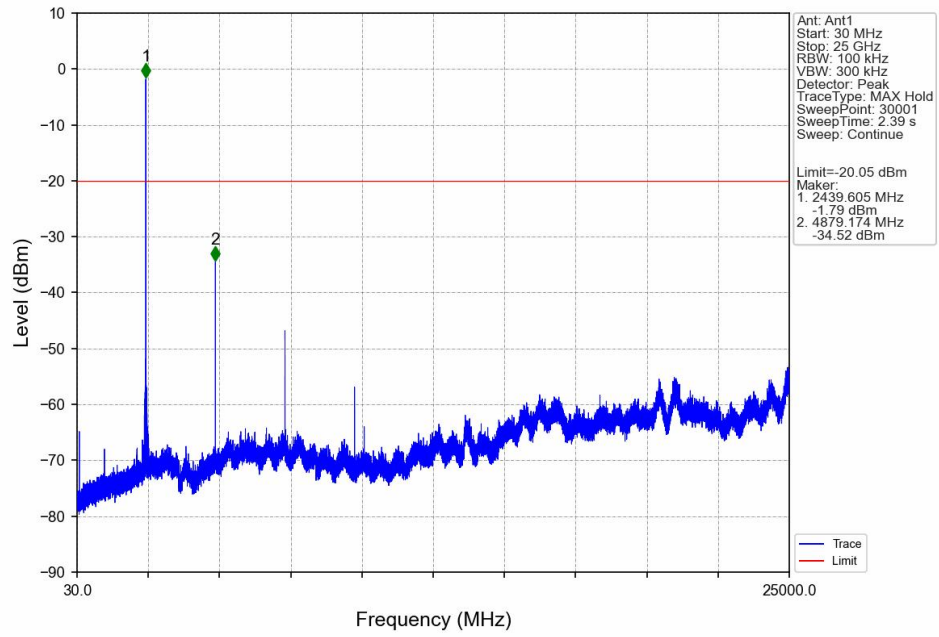
1M\_HCH\_2480MHz\_Ant1\_NTNV



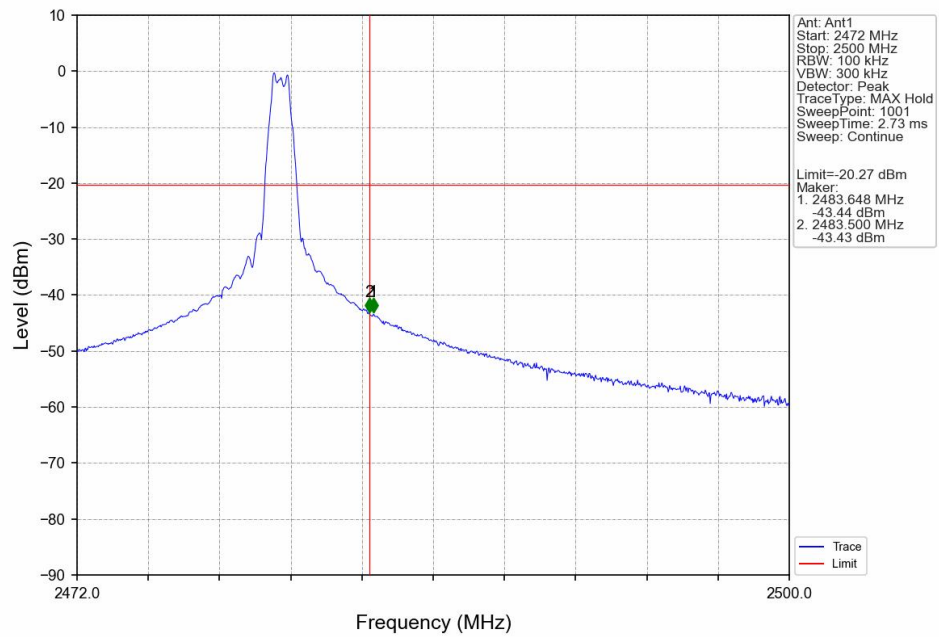
5.2.2 CSE



# 1M\_MCH\_2440MHz\_Ant1\_NTNV



# 1M\_HCH\_2480MHz\_Ant1\_NTNV



# 1M\_HCH\_2480MHz\_Ant1\_NTNV

