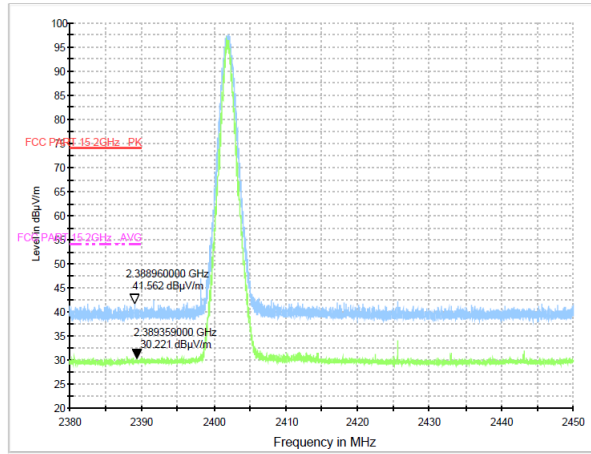
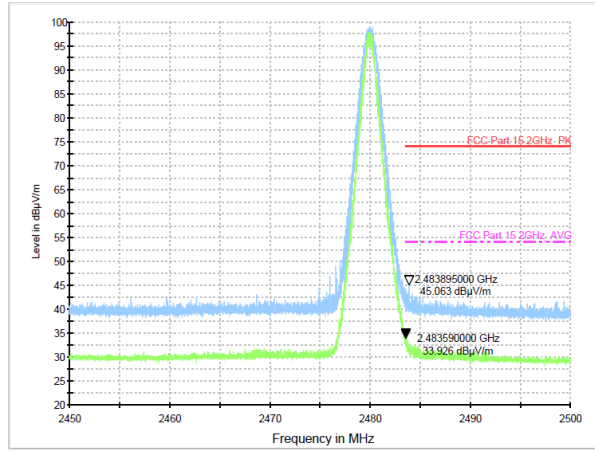


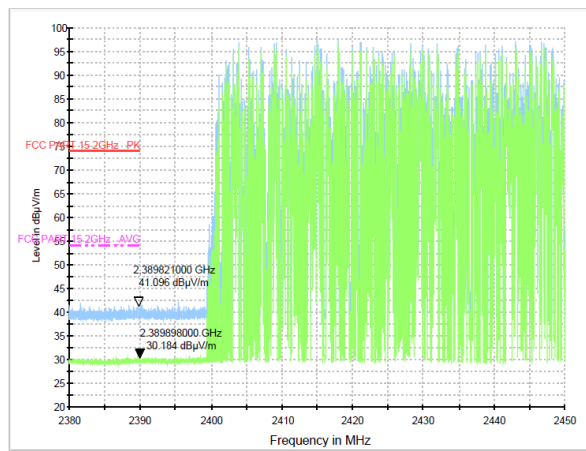
Test Mode: 8DPSK-Low Hopping-off



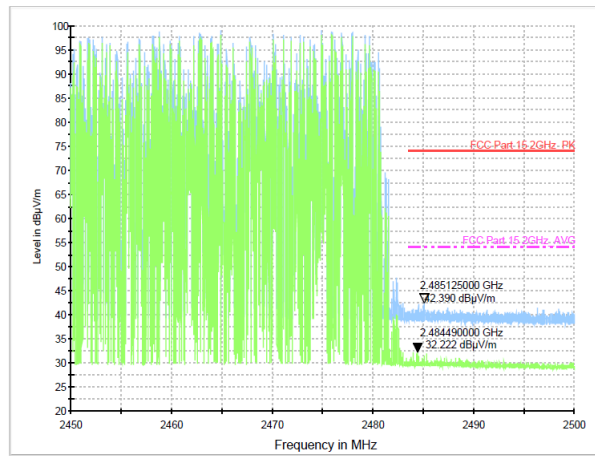
Test Mode: 8DPSK-High Hopping-off



Test Mode: 8DPSK-Low Hopping-on

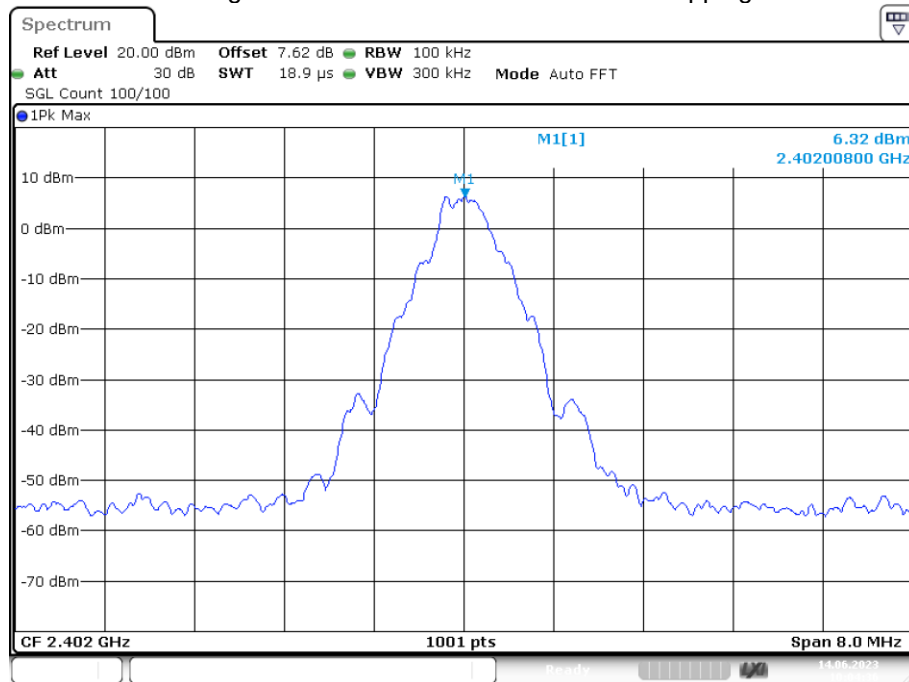


Test Mode: 8DPSK-High Hopping-on



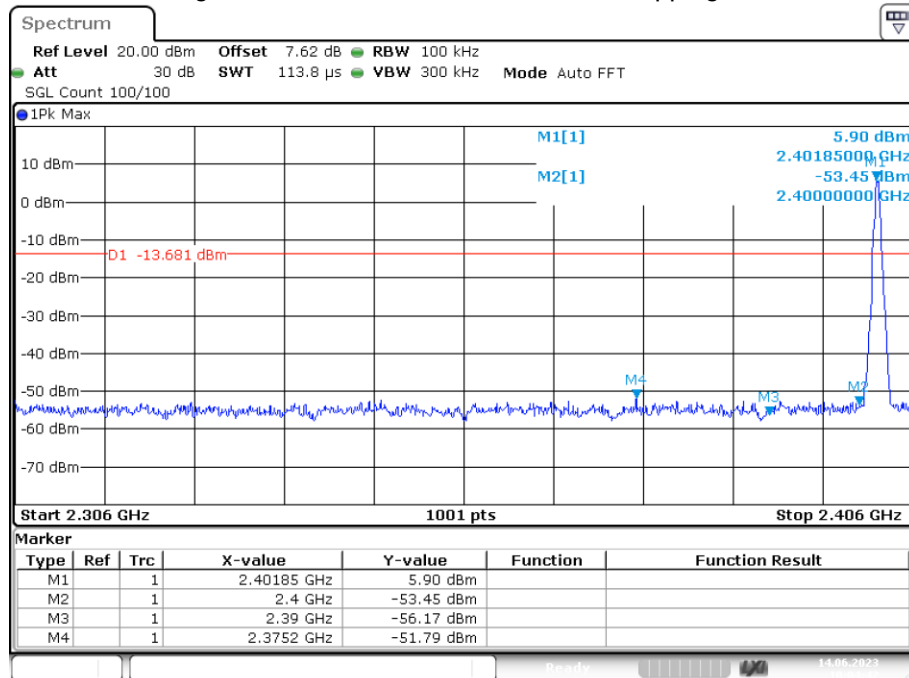
Conducted Method  
Band Edge:

### Band Edge NVNT 1-DH1 2402MHz Ant1 No-Hopping Ref



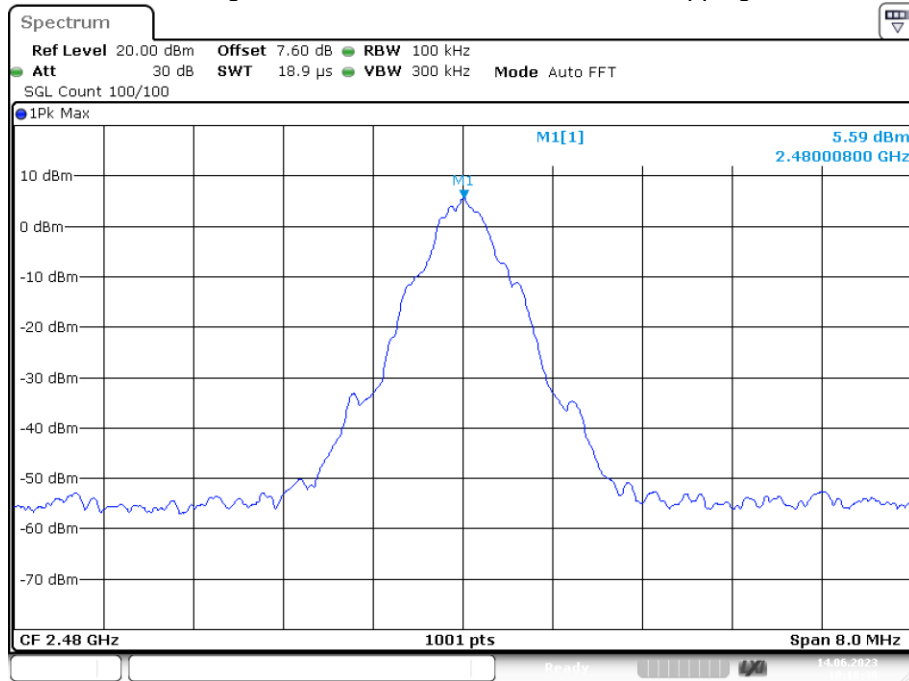
Date: 14 JUN 2023 10:04:36

### Band Edge NVNT 1-DH1 2402MHz Ant1 No-Hopping Emission



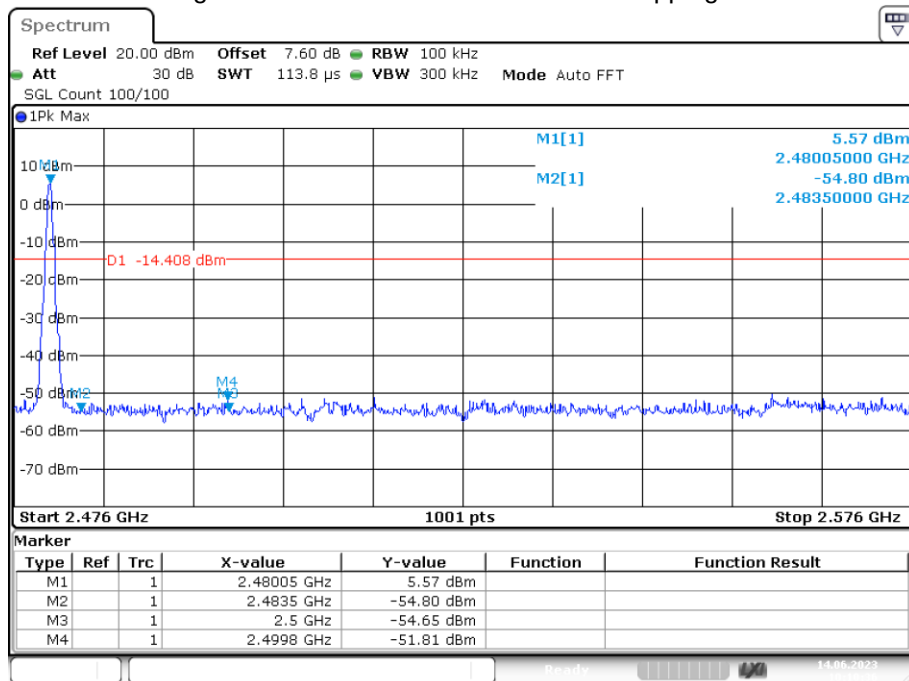
Date: 14 JUN 2023 10:04:42

## Band Edge NVNT 1-DH1 2480MHz Ant1 No-Hopping Ref



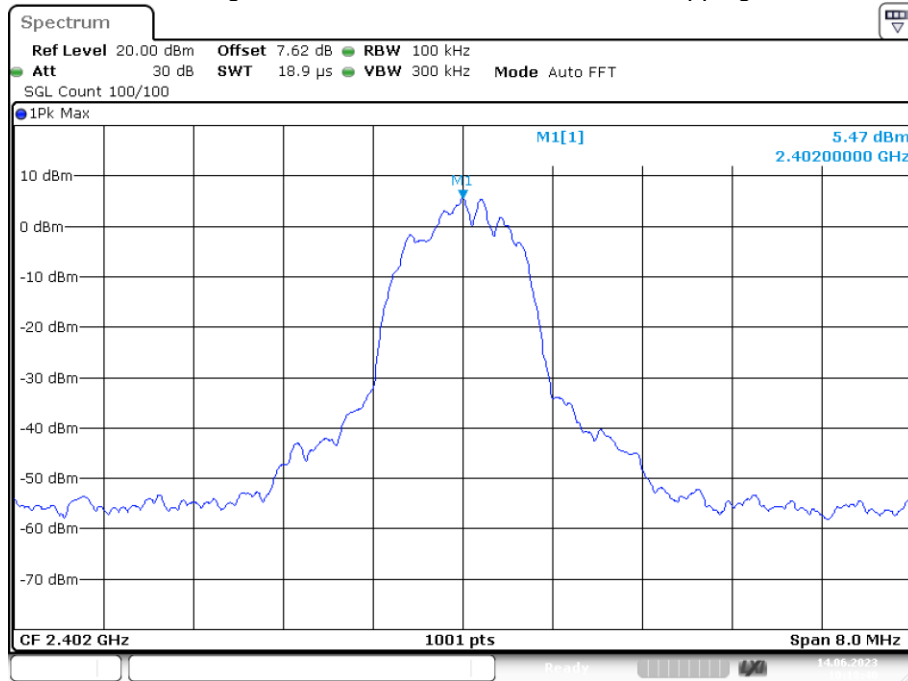
Date: 14.JUN.2023 10:10:30

## Band Edge NVNT 1-DH1 2480MHz Ant1 No-Hopping Emission



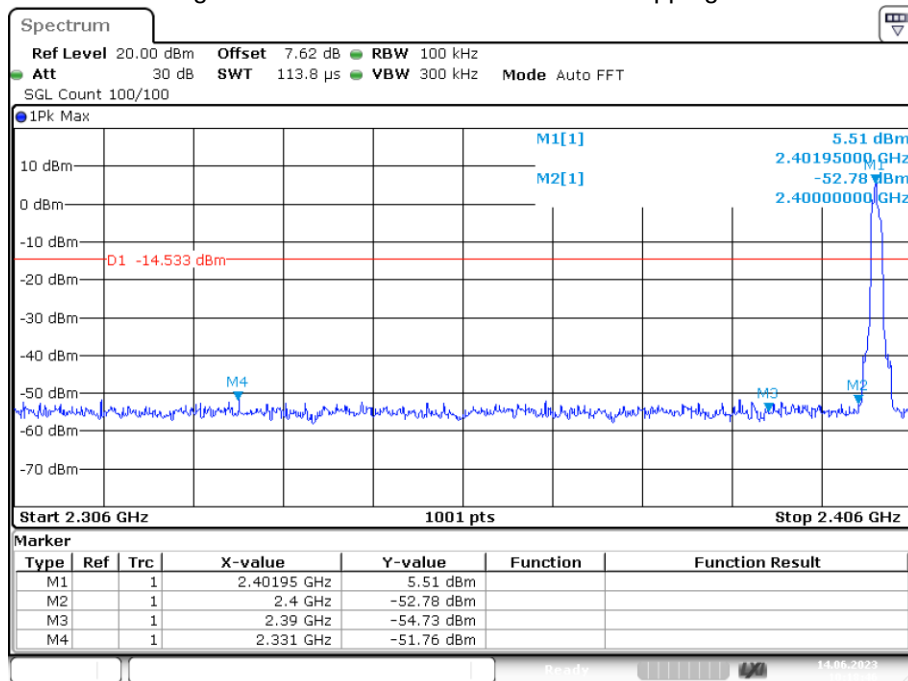
Date: 14.JUN.2023 10:10:36

## Band Edge NVNT 2-DH1 2402MHz Ant1 No-Hopping Ref



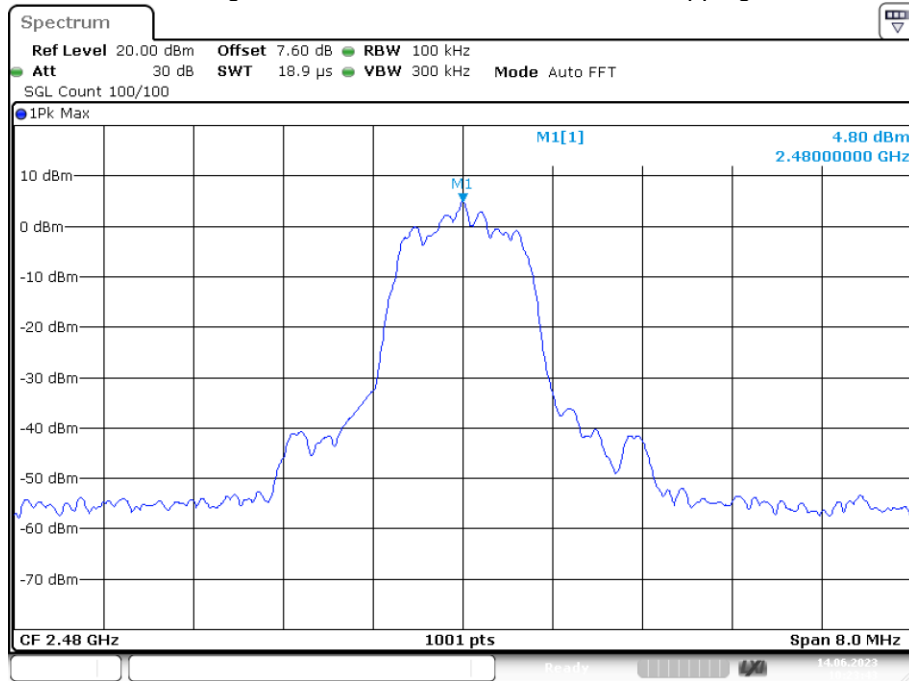
Date: 14.JUN.2023 10:18:39

## Band Edge NVNT 2-DH1 2402MHz Ant1 No-Hopping Emission



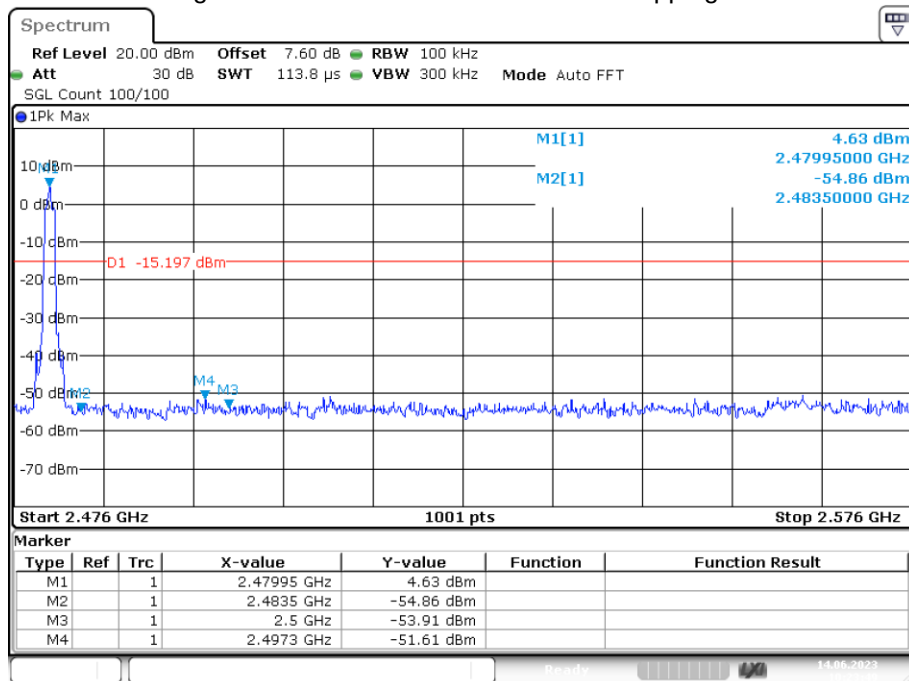
Date: 14.JUN.2023 10:18:45

## Band Edge NVNT 2-DH1 2480MHz Ant1 No-Hopping Ref



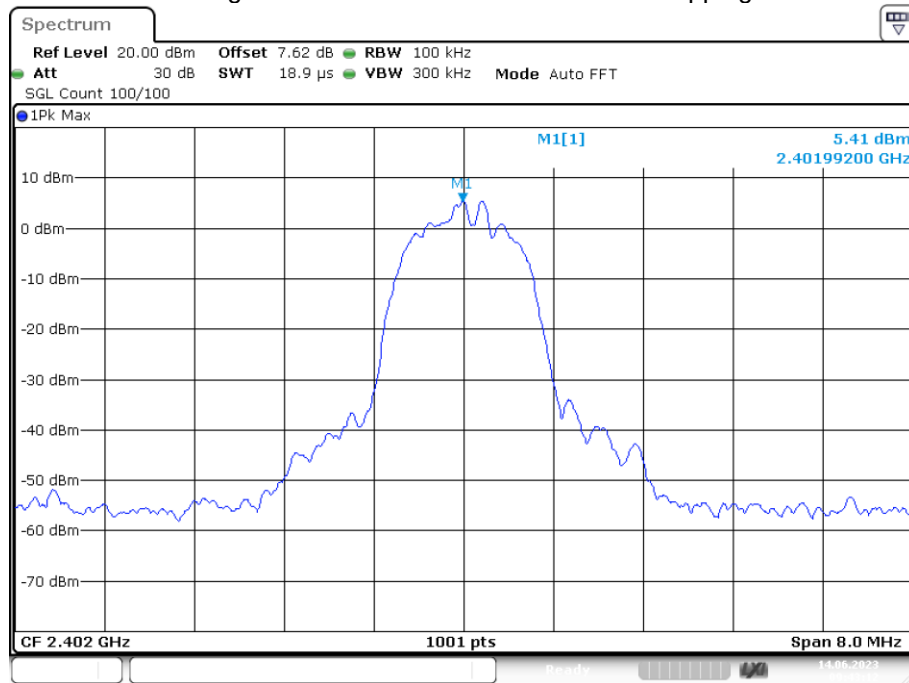
Date: 14.JUN.2023 10:23:43

## Band Edge NVNT 2-DH1 2480MHz Ant1 No-Hopping Emission



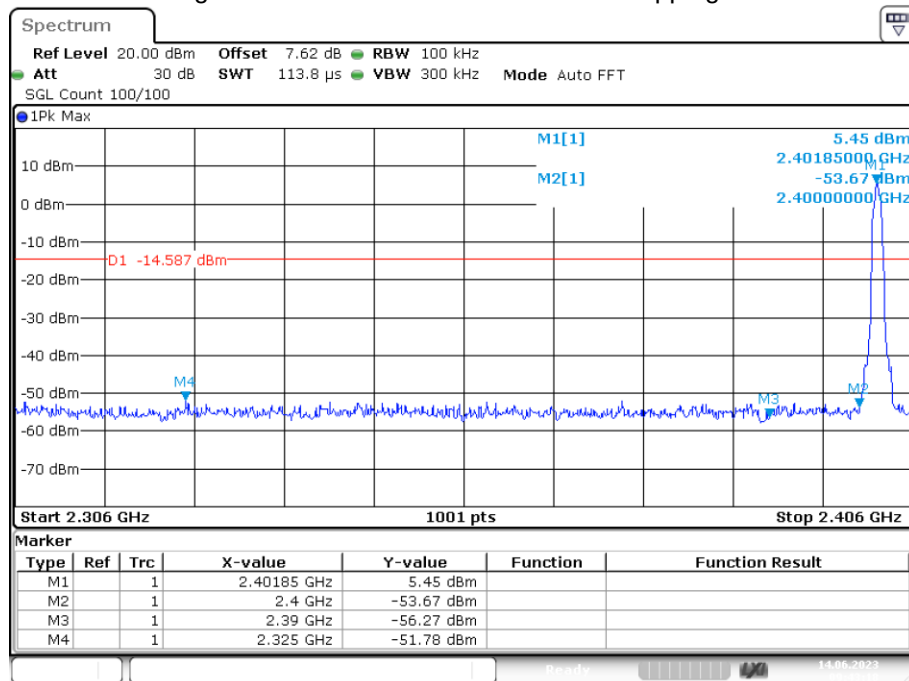
Date: 14.JUN.2023 10:23:48

## Band Edge NVNT 3-DH1 2402MHz Ant1 No-Hopping Ref



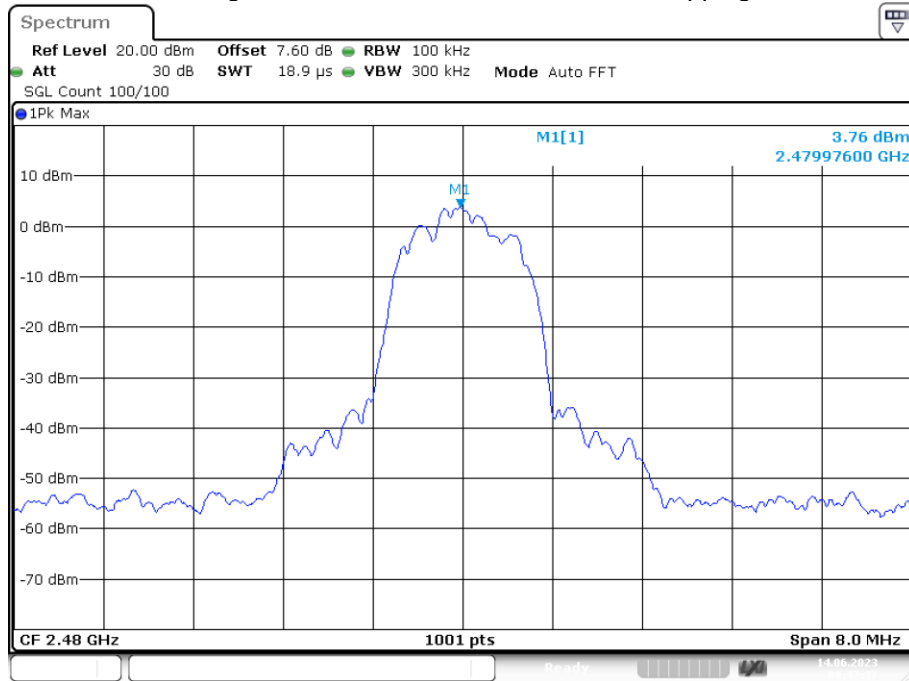
Date: 14.JUN.2023 09:43:13

## Band Edge NVNT 3-DH1 2402MHz Ant1 No-Hopping Emission



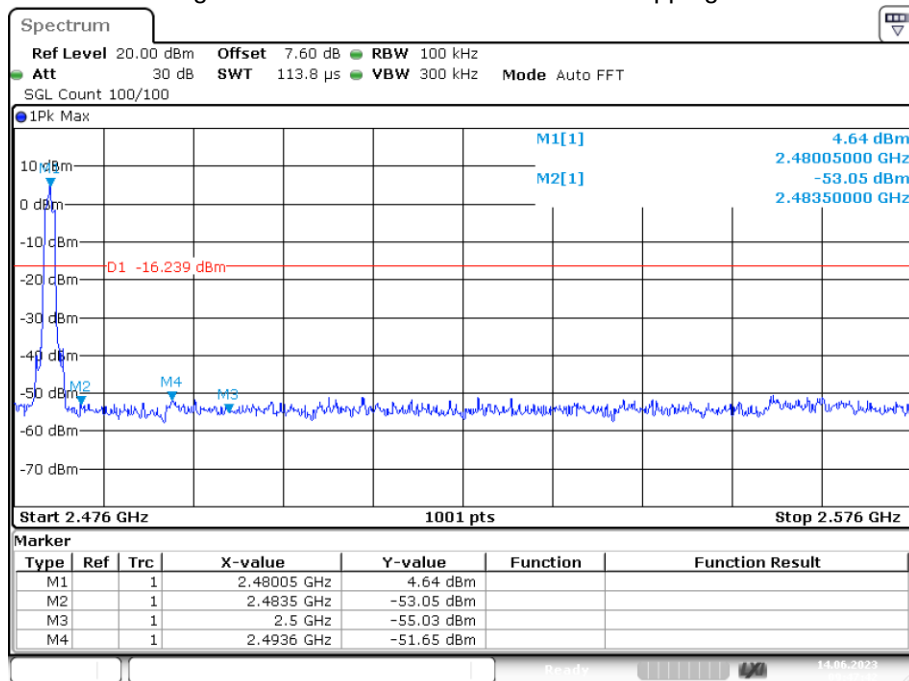
Date: 14.JUN.2023 09:43:19

## Band Edge NVNT 3-DH1 2480MHz Ant1 No-Hopping Ref

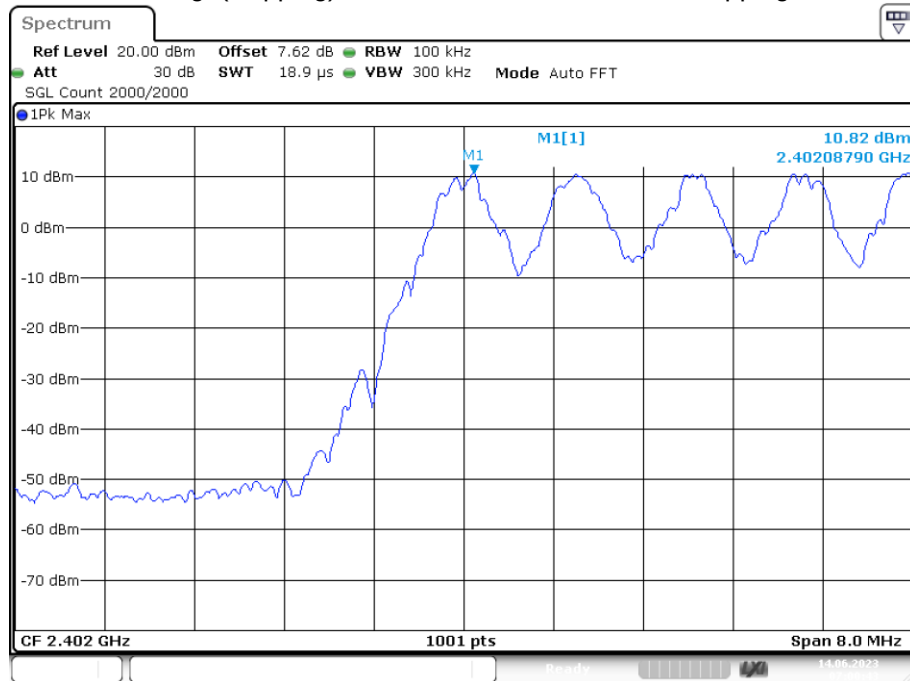


Date: 14.JUN.2023 09:47:37

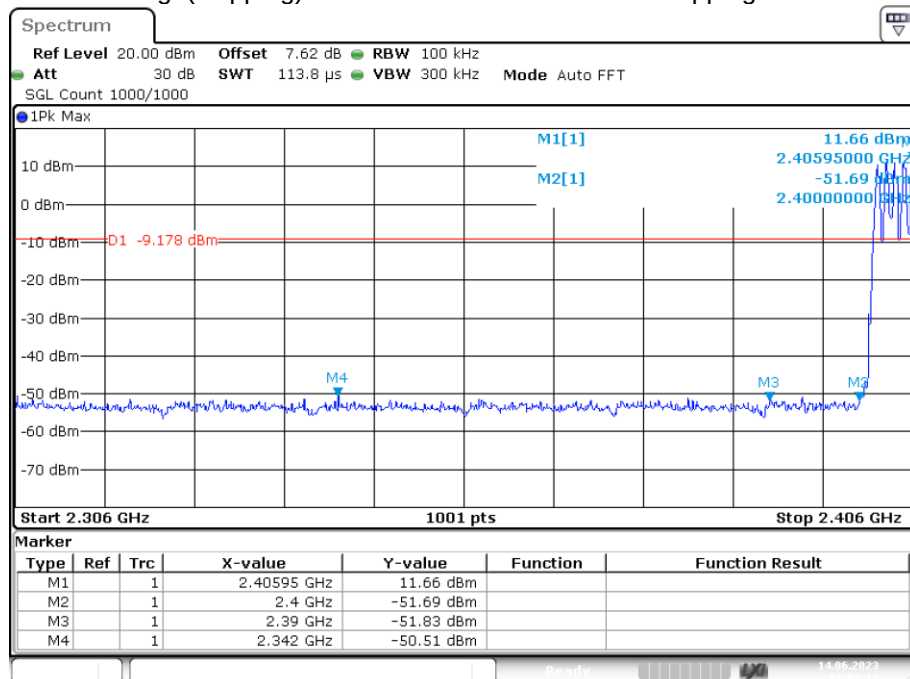
## Band Edge NVNT 3-DH1 2480MHz Ant1 No-Hopping Emission



Date: 14.JUN.2023 09:47:43

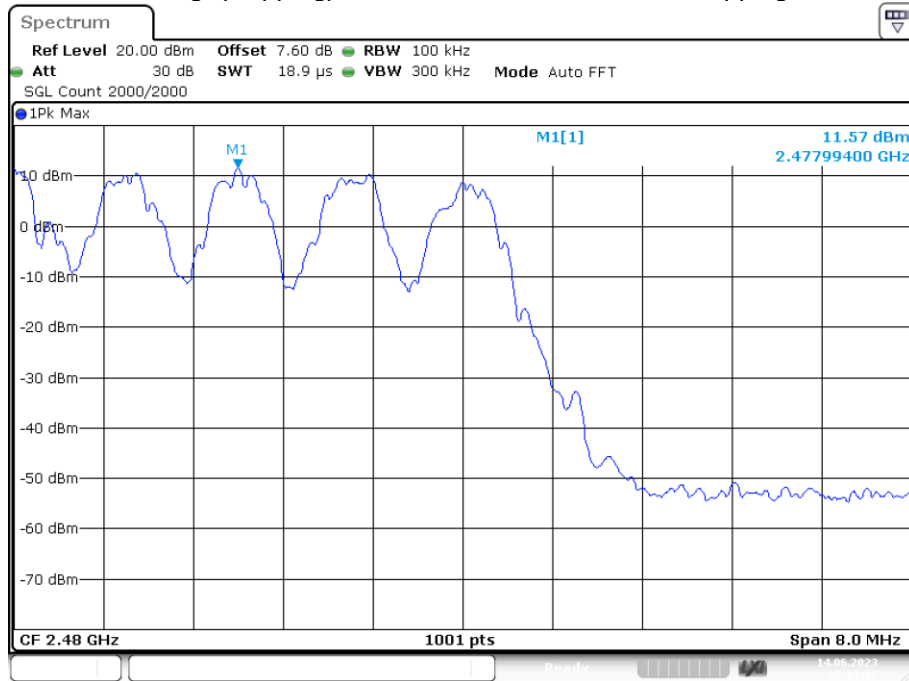
**Band Edge(Hopping):****Band Edge(Hopping) NVNT 1-DH1 2402MHz Ant1 Hopping Ref**

Date: 14.JUN.2023 07:00:44

**Band Edge(Hopping) NVNT 1-DH1 2402MHz Ant1 Hopping Emission**

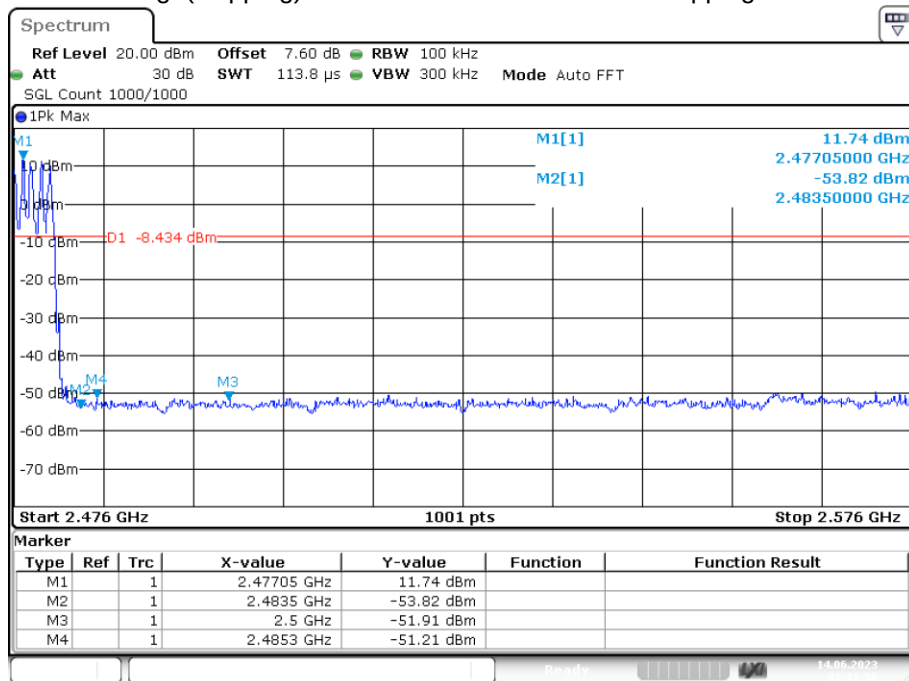
Date: 14.JUN.2023 07:01:13

## Band Edge(Hopping) NVNT 1-DH1 2480MHz Ant1 Hopping Ref



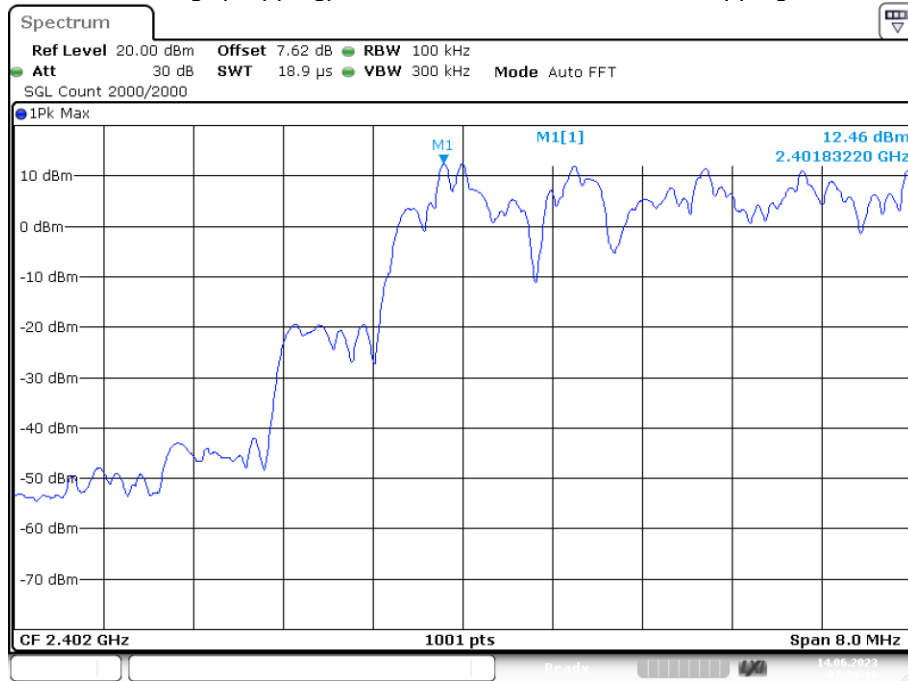
Date: 14.JUN.2023 07:13:26

## Band Edge(Hopping) NVNT 1-DH1 2480MHz Ant1 Hopping Emission



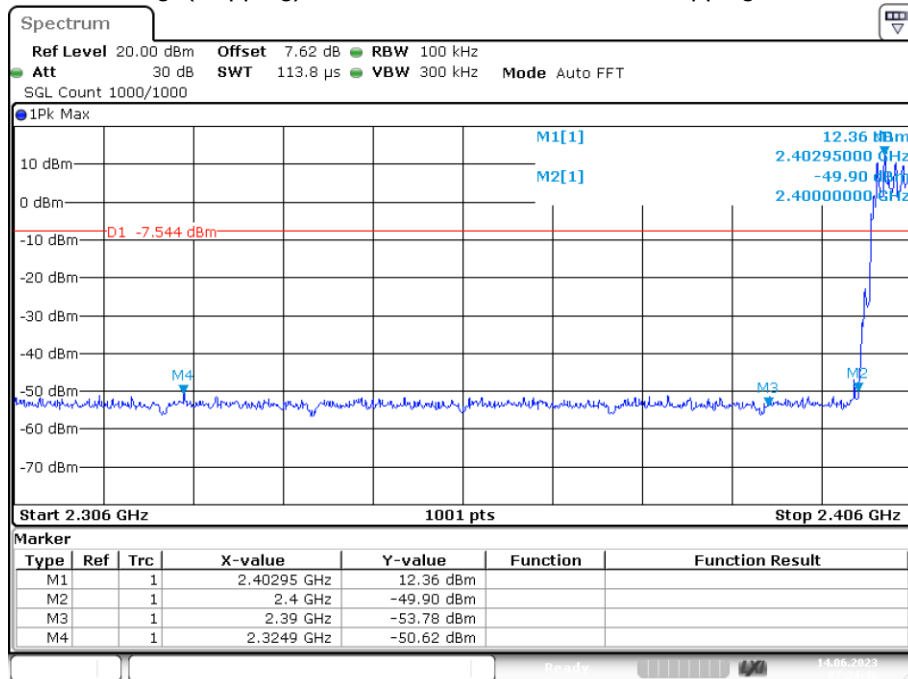
Date: 14.JUN.2023 07:13:55

## Band Edge(Hopping) NVNT 2-DH1 2402MHz Ant1 Hopping Ref



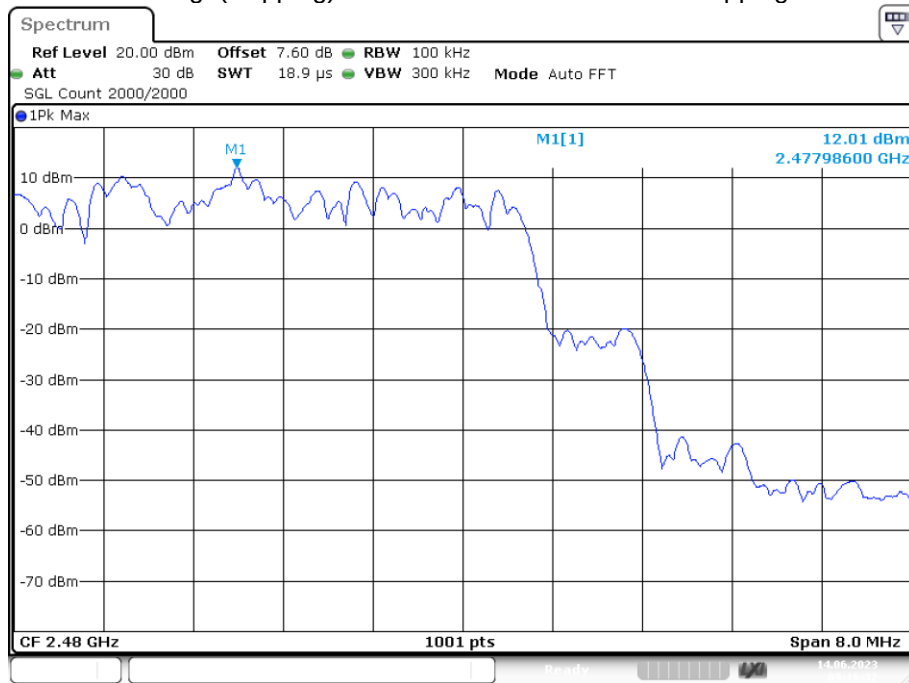
Date: 14.JUN.2023 07:24:17

## Band Edge(Hopping) NVNT 2-DH1 2402MHz Ant1 Hopping Emission



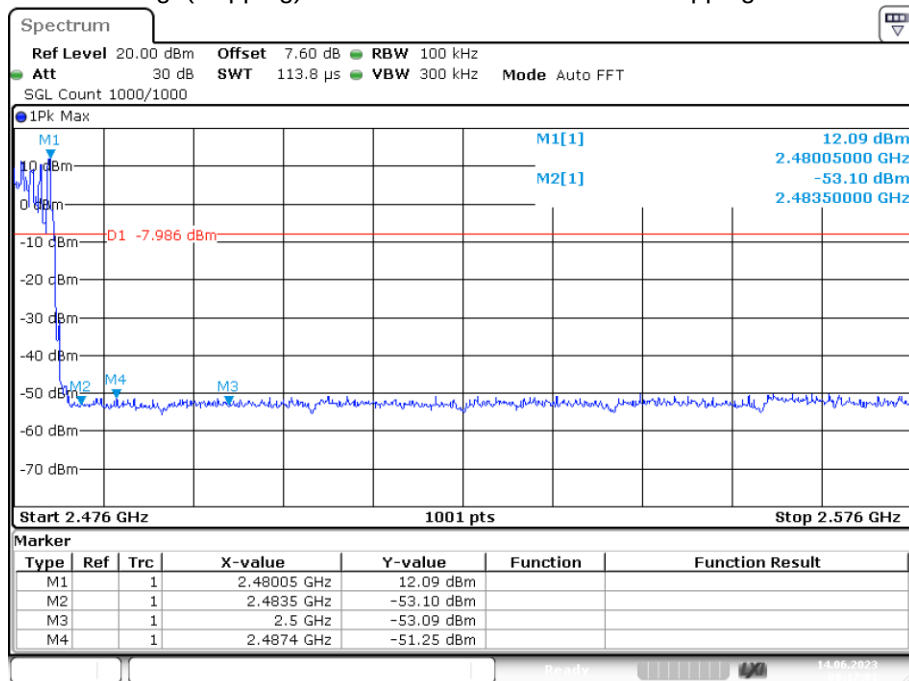
Date: 14.JUN.2023 07:24:46

## Band Edge(Hopping) NVNT 2-DH1 2480MHz Ant1 Hopping Ref



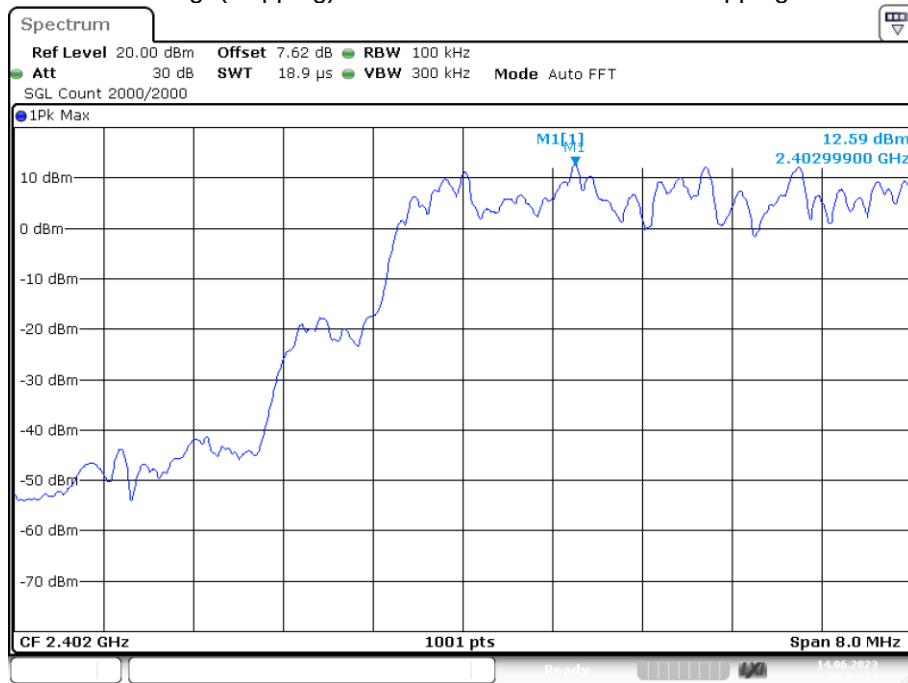
Date: 14.JUN.2023 09:16:32

## Band Edge(Hopping) NVNT 2-DH1 2480MHz Ant1 Hopping Emission



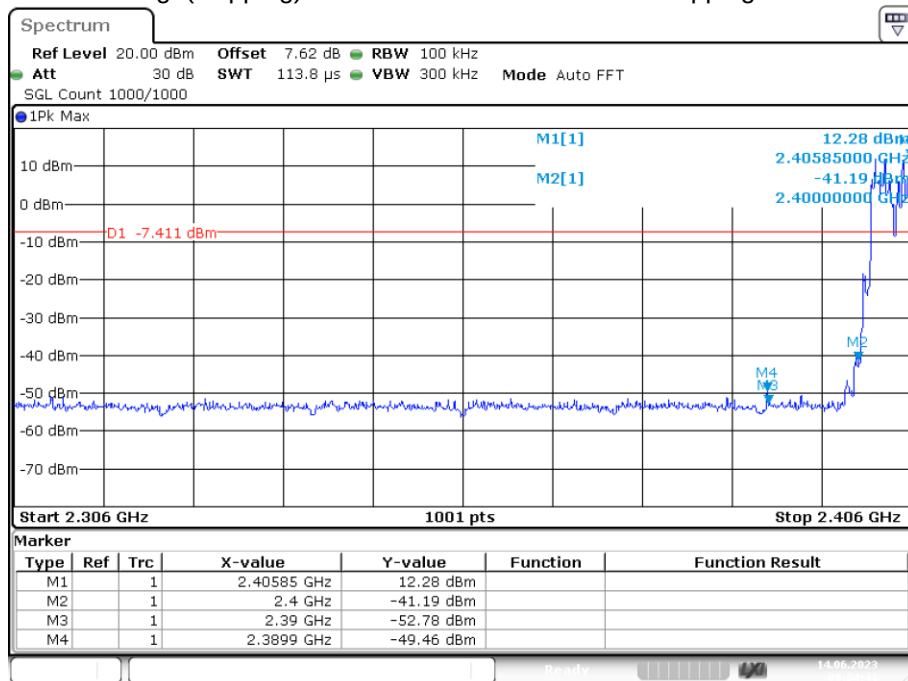
Date: 14.JUN.2023 09:17:01

## Band Edge(Hopping) NVNT 3-DH1 2402MHz Ant1 Hopping Ref



Date: 14.JUN.2023 09:24:11

## Band Edge(Hopping) NVNT 3-DH1 2402MHz Ant1 Hopping Emission



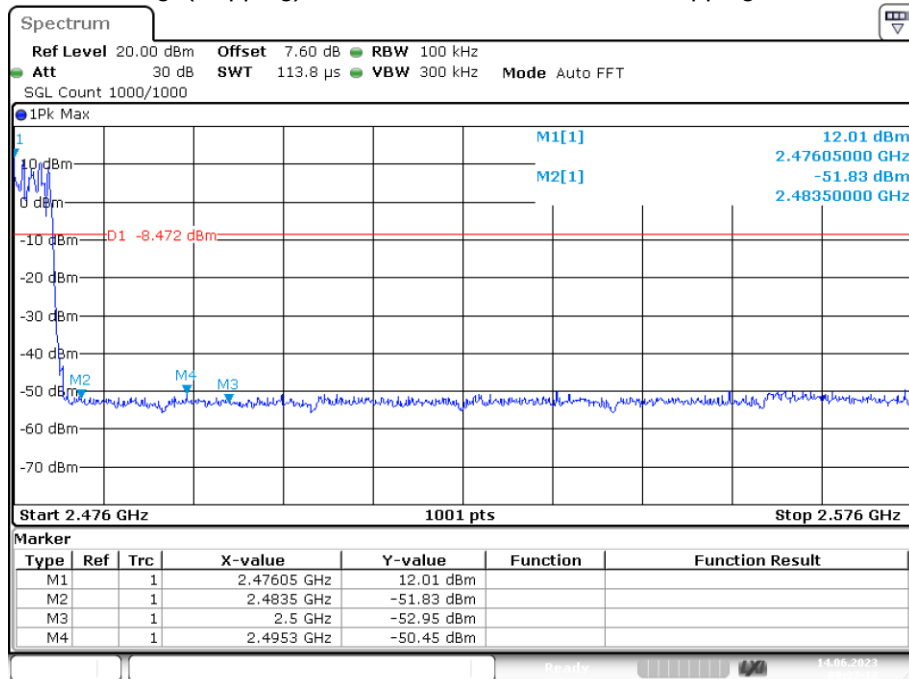
Date: 14.JUN.2023 09:24:40

## Band Edge(Hopping) NVNT 3-DH1 2480MHz Ant1 Hopping Ref



Date: 14.JUN.2023 09:36:44

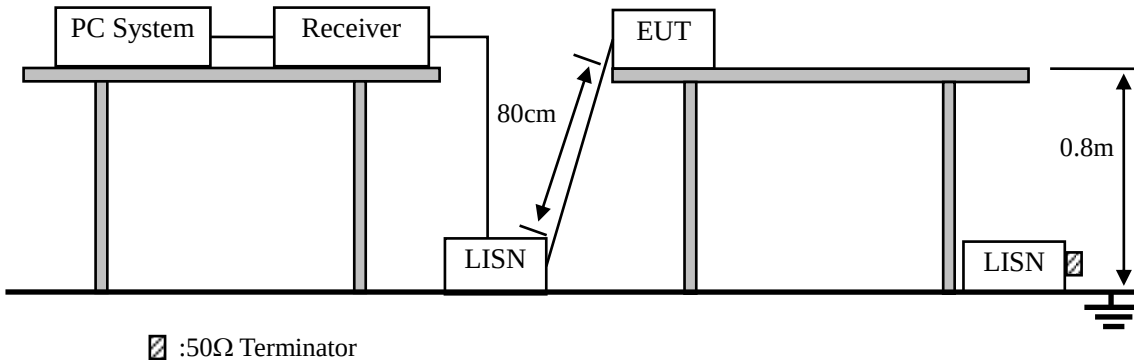
## Band Edge(Hopping) NVNT 3-DH1 2480MHz Ant1 Hopping Emission



Date: 14.JUN.2023 09:37:12

## 10. POWER LINE CONDUCTED EMISSIONS

### 10.1. Block Diagram of Test Setup



### 10.2. Limit

| Frequency       | Maximum RF Line Voltage          |                               |
|-----------------|----------------------------------|-------------------------------|
|                 | Quasi-Peak Level<br>dB( $\mu$ V) | Average Level<br>dB( $\mu$ V) |
| 150kHz ~ 500kHz | 66 ~ 56*                         | 56 ~ 46*                      |
| 500kHz ~ 5MHz   | 56                               | 46                            |
| 5MHz ~ 30MHz    | 60                               | 50                            |

Notes: 1. \* Decreasing linearly with logarithm of frequency.  
2. The lower limit shall apply at the transition frequencies.

### 10.3. Test Procedure

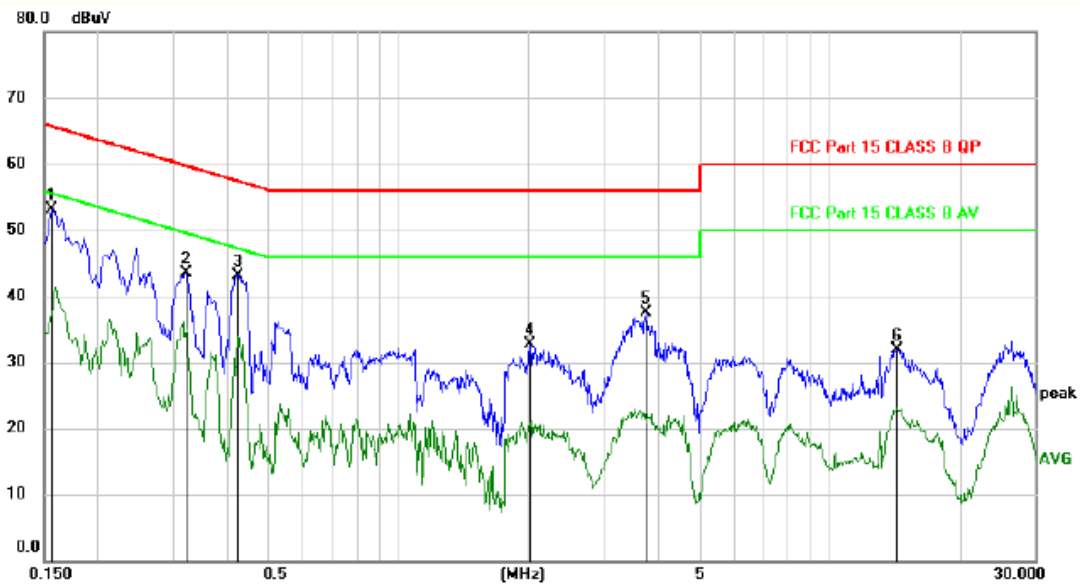
- (1) The EUT was placed on a non-metallic table, 80cm above the ground plane.
- (2) Setup the EUT and simulator as shown in 10.1
- (3) The EUT Power connected to the power mains through a power adapter and a line impedance stabilization network (L.I.S.N1). The other peripheral devices power cord connected to the power mains through a line impedance stabilization network (L.I.S.N2), this provided a 50-ohm coupling impedance for the EUT (Please refer to the block diagram of the test setup and photographs). Both sides of power line were checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipments and all of the interface cables were changed according to ANSI C63.10 :2013on conducted Emission test.
- (4) The bandwidth of test receiver is set at 10KHz.
- (5) The frequency range from 150 KHz to 30MHz is checked.

### 10.4. Test Result

PASS. (See below detailed test data)

Note: If peak Result comply with AV limit, QP and AV Result is deemed to comply with AV limit

Line:

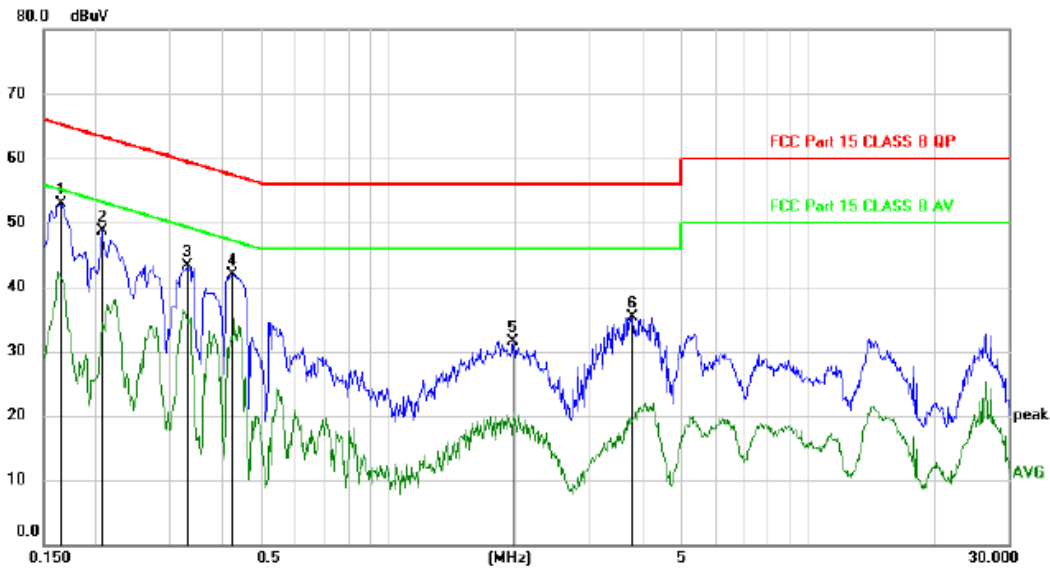


| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV | Limit<br>dBuV | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|--------------------------|---------------|--------------|----------|---------|
| 1   | *   | 0.1560       | 43.35                    | 9.83                    | 53.18                    | 65.67         | -12.49       | peak     |         |
| 2   |     | 0.3209       | 33.76                    | 9.83                    | 43.59                    | 59.68         | -16.09       | peak     |         |
| 3   |     | 0.4230       | 33.33                    | 9.83                    | 43.16                    | 57.39         | -14.23       | peak     |         |
| 4   |     | 2.0190       | 22.88                    | 9.76                    | 32.64                    | 56.00         | -23.36       | peak     |         |
| 5   |     | 3.7410       | 27.71                    | 9.84                    | 37.55                    | 56.00         | -18.45       | peak     |         |
| 6   |     | 14.3940      | 21.91                    | 10.03                   | 31.94                    | 60.00         | -28.06       | peak     |         |

\*:Maximum data    x:Over limit    !:over margin

(Reference Only)

Note: Measurement=Reading Level+Correc Factor.    Factor=(LISN or ISN or PLC or Current Probe)Factor+Cable

**Neutral:**

| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV | Limit<br>dBuV | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|--------------------------|---------------|--------------|----------|---------|
| 1   | *   | 0.1650       | 43.15                    | 9.83                    | 52.98                    | 65.21         | -12.23       | peak     |         |
| 2   |     | 0.2070       | 38.92                    | 9.83                    | 48.75                    | 63.32         | -14.57       | peak     |         |
| 3   |     | 0.3300       | 33.48                    | 9.83                    | 43.31                    | 59.45         | -16.14       | peak     |         |
| 4   |     | 0.4230       | 32.09                    | 9.83                    | 41.92                    | 57.39         | -15.47       | peak     |         |
| 5   |     | 1.9770       | 21.74                    | 9.76                    | 31.50                    | 56.00         | -24.50       | peak     |         |
| 6   |     | 3.8130       | 25.39                    | 9.84                    | 35.23                    | 56.00         | -20.77       | peak     |         |

\*:Maximum data    x:Over limit    !:over margin

(Reference Only)

Note: Measurement=Reading Level+Correc Factor.    Factor=(LISN or ISN or PLC or Current Probe)Factor+Cable

Note: All modes and channels have been tested and only the GFSK 2402MHz mode with the worst data is listed.

## **11. ANTENNA REQUIREMENTS**

### **11.1.Limit**

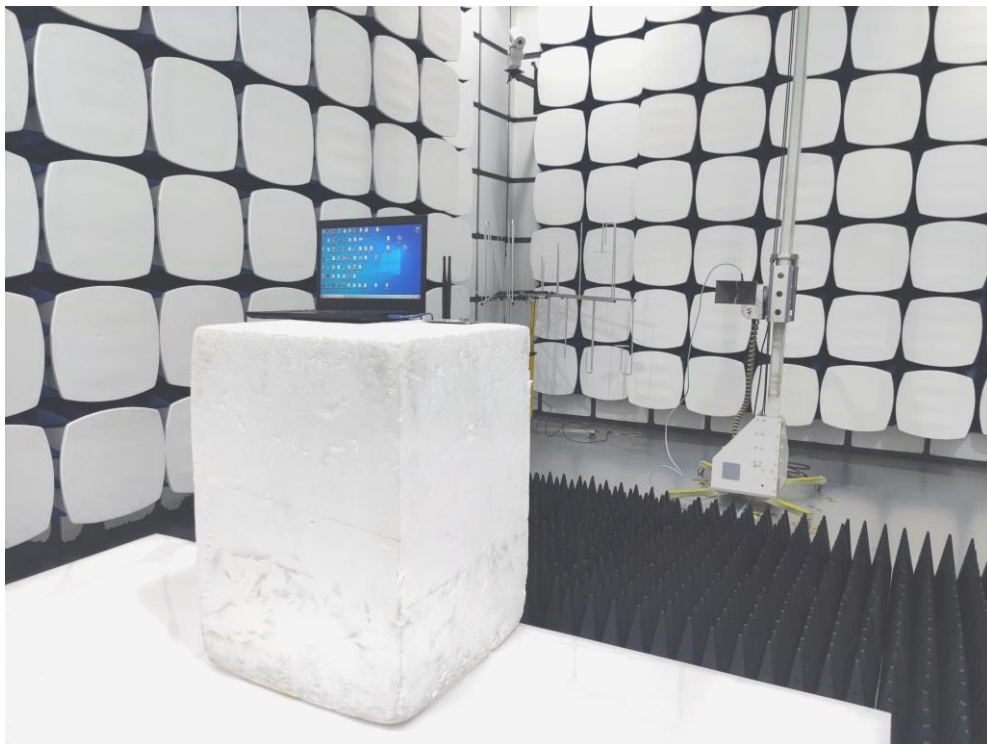
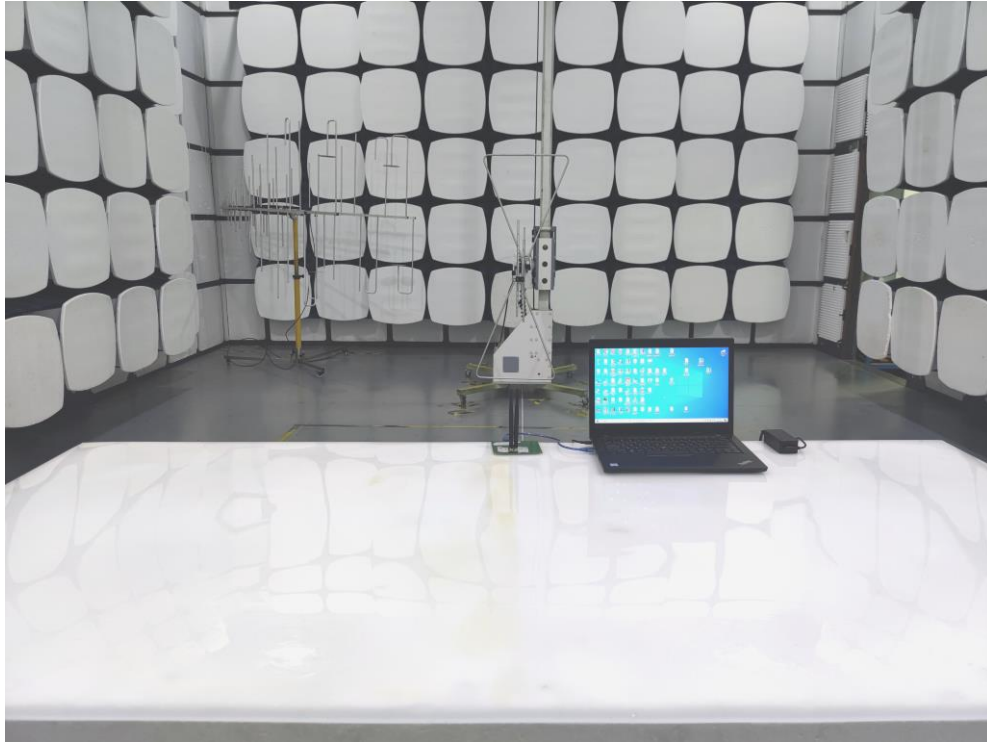
For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. And according to FCC 47 CFR Section 15.247 (b), if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

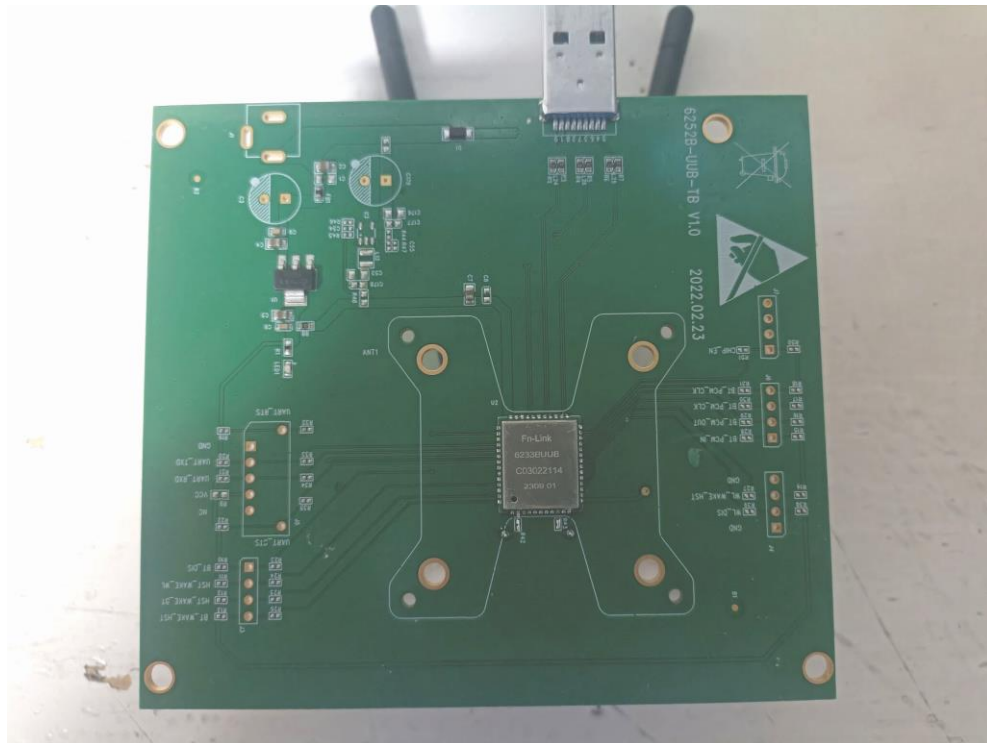
### **11.2.Result**

The use of an antenna that is uniquely coupled to the intended radiator shall be considered sufficient to comply with the provisions of this section.

## 12. TEST SETUP PHOTO

### 12.1. Photo of Radiated Emission test

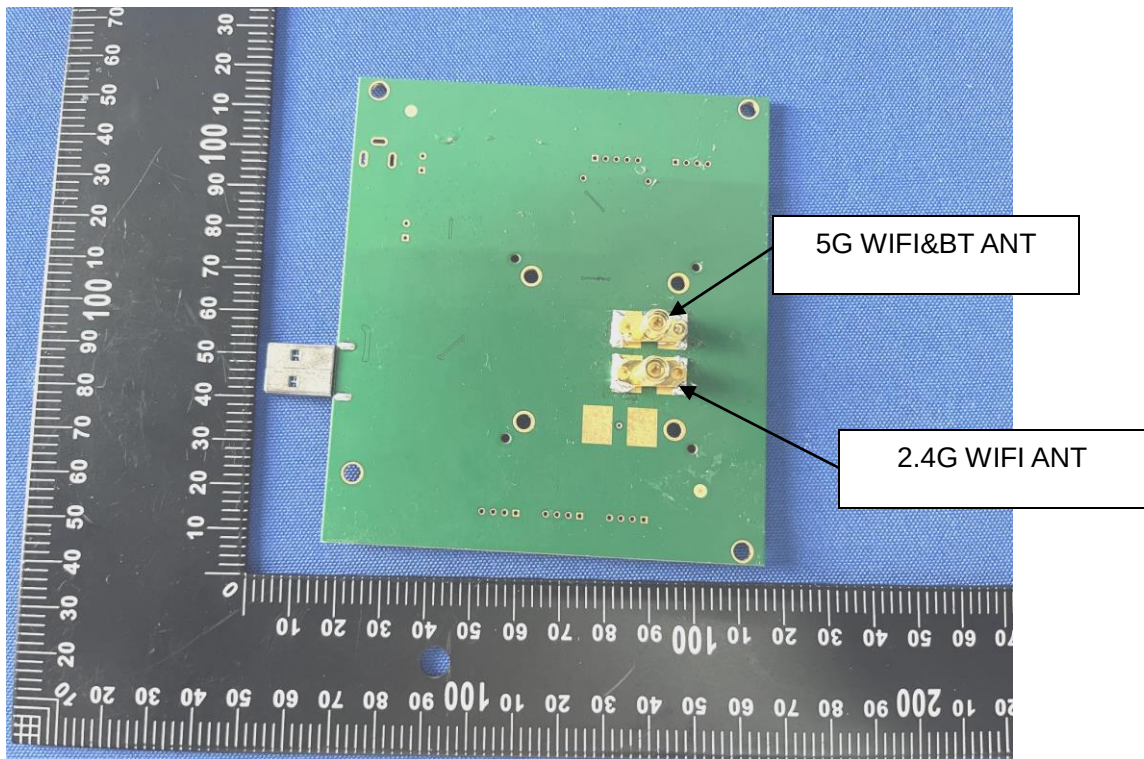
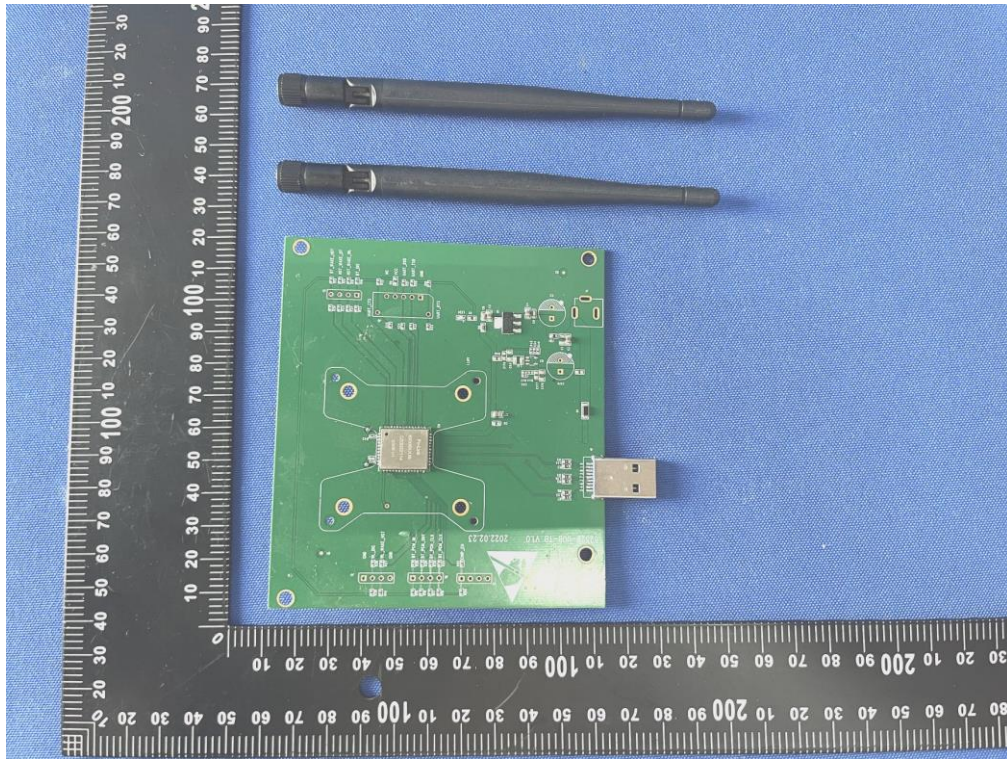


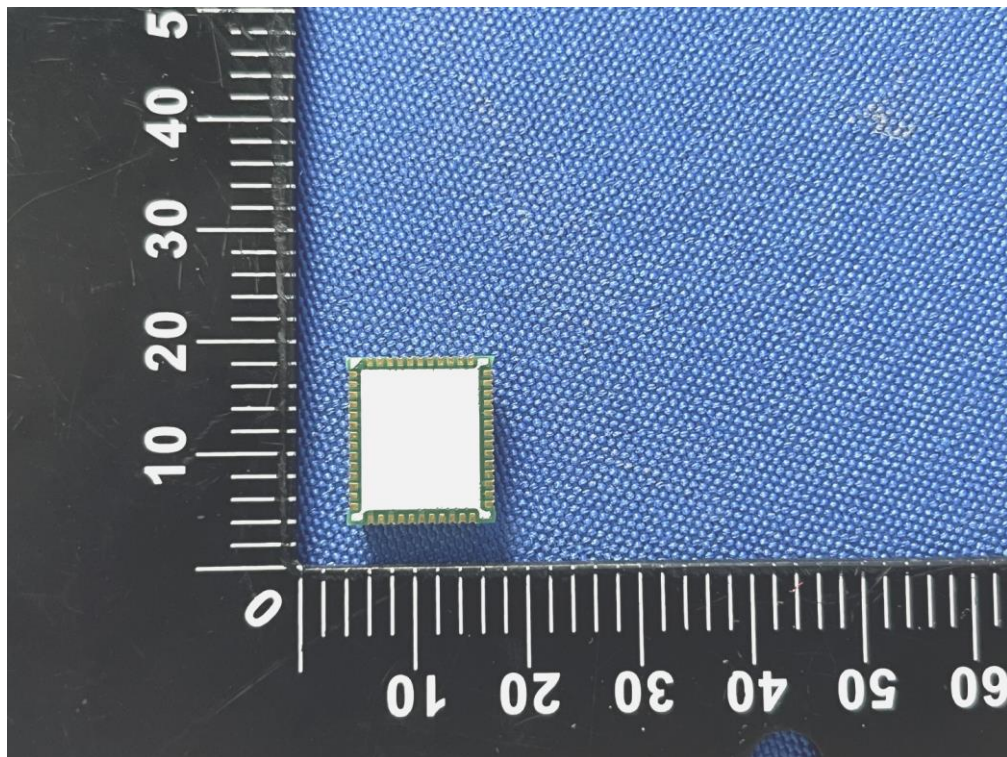
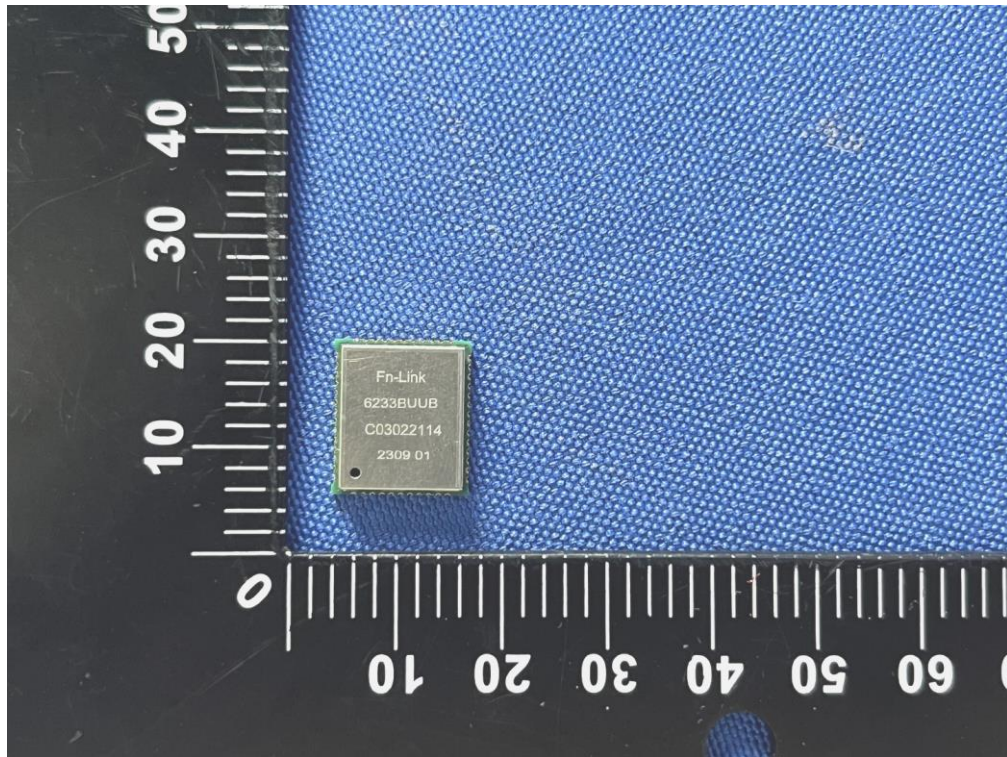


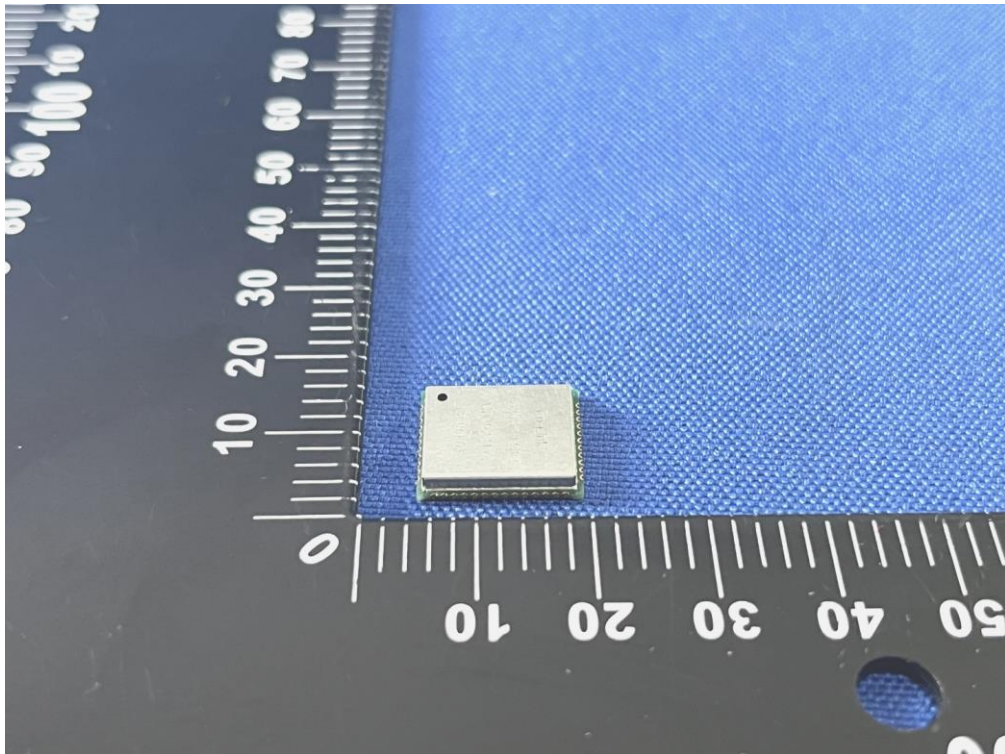
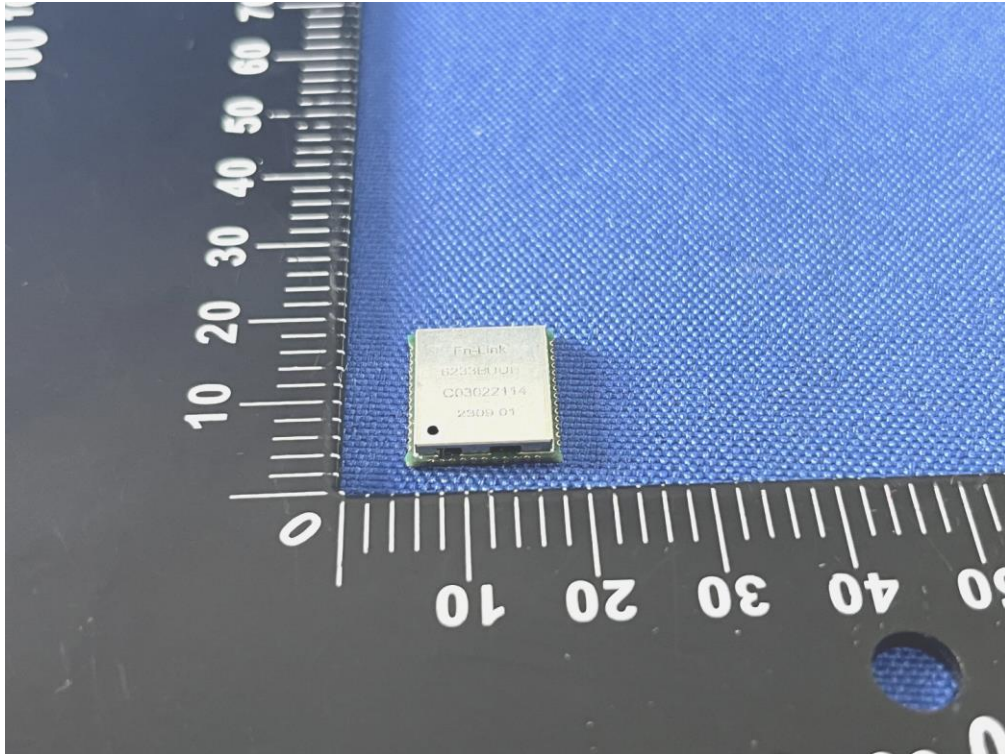
## 12.2.Photo of Conducted Emission test

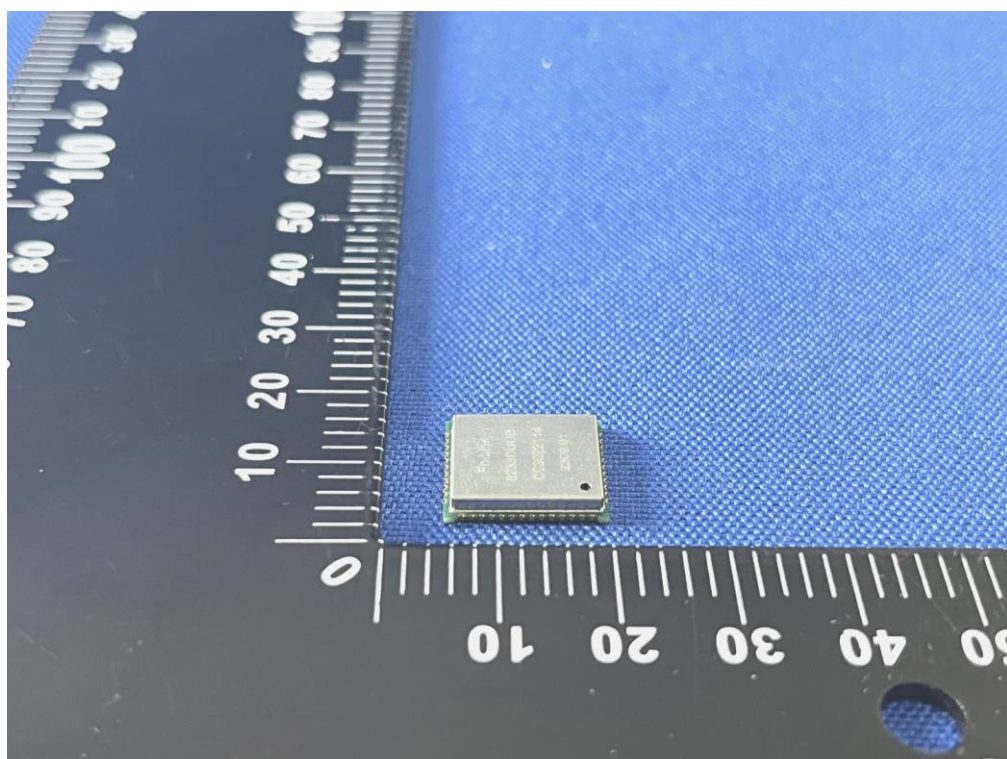
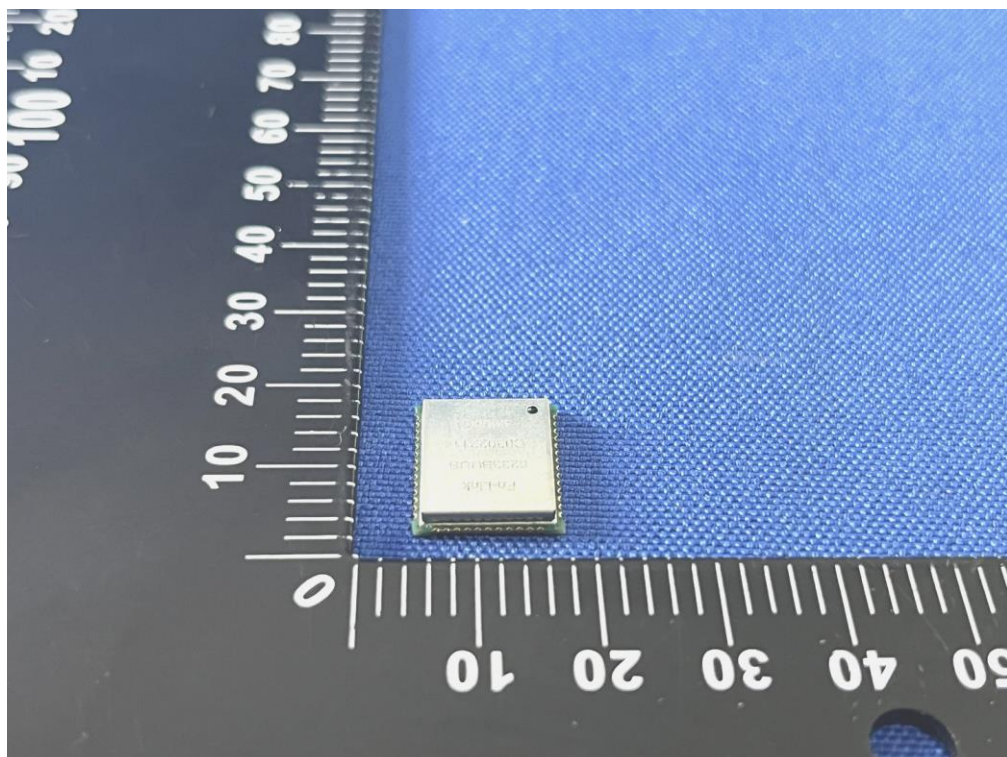


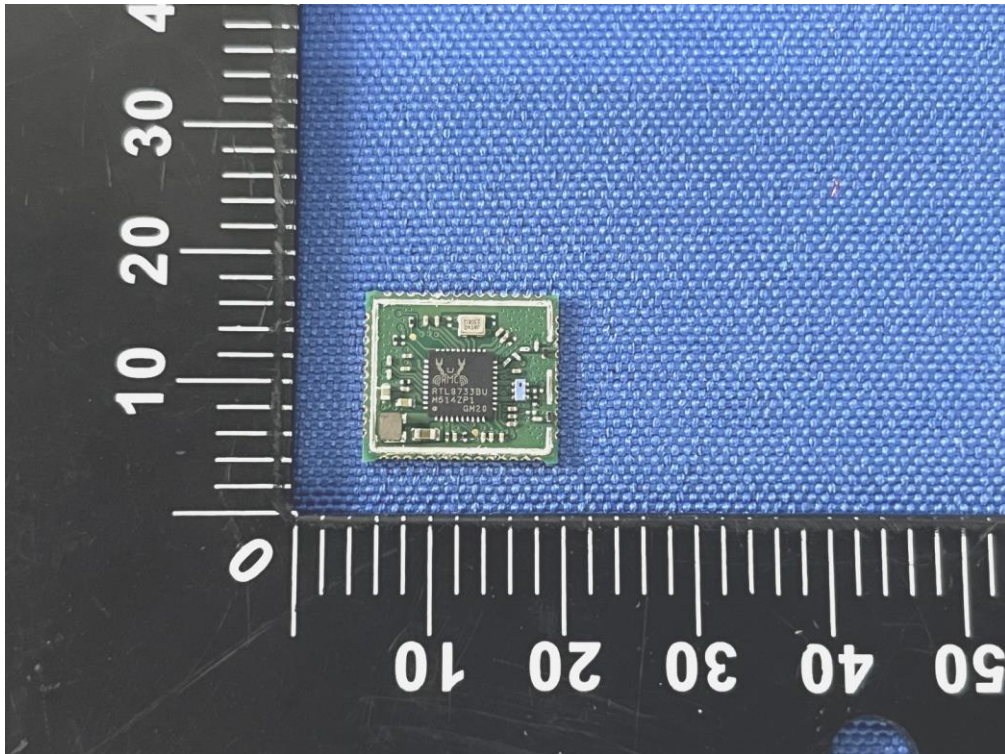
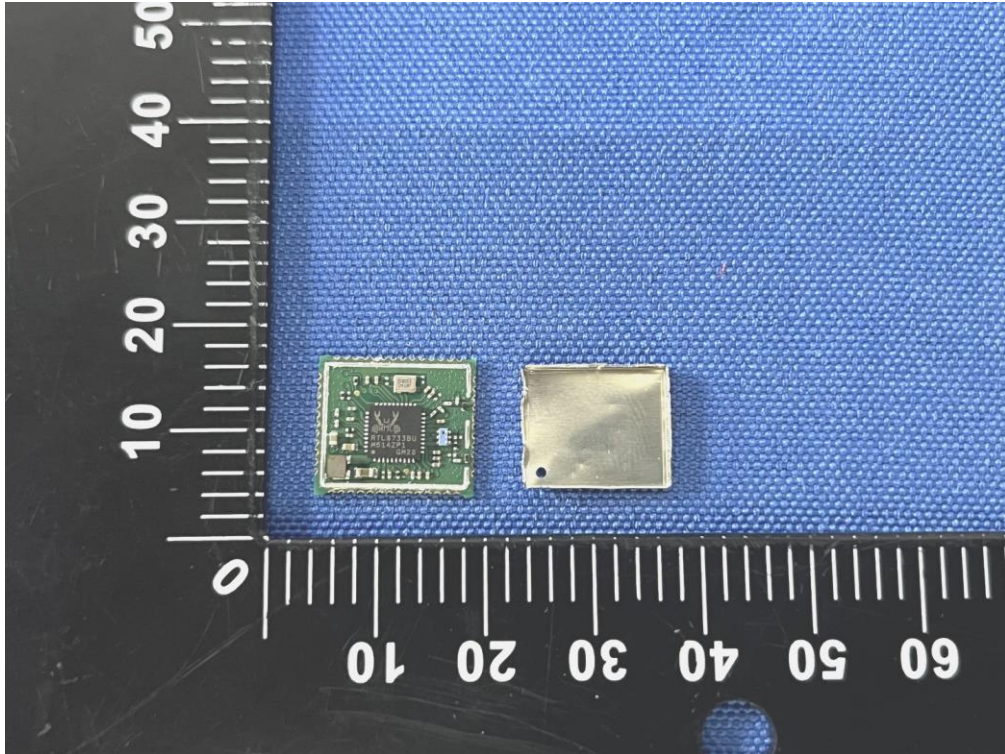
### 13. EUT Photo

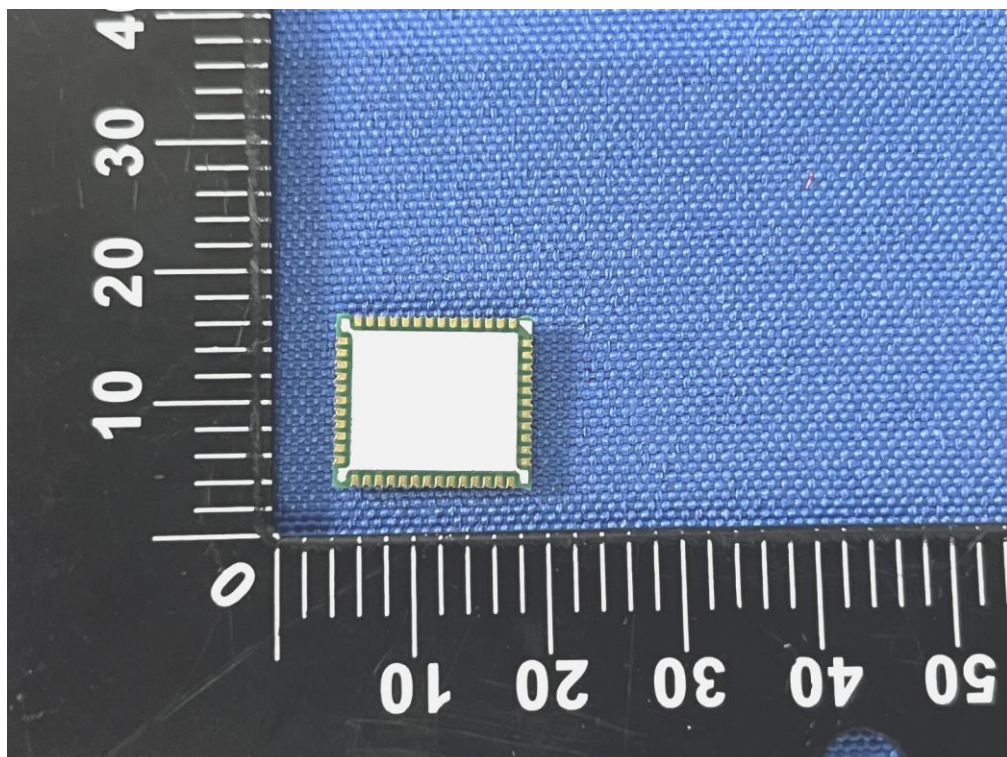












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