

# TEST REPORT

Report No.: SHE22070069-02BE

Date: 2022-08-31

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**Applicant** : ShangHai Ehong Technology Co.,Ltd.  
**Address of Applicant** : Room 501, No.485 Xingmei Road,  
Minhang district,Shanghai, China

**Product Name** : AIOT Module  
**Model No.** : EH-MW24  
**Brand Name** : Ehong  
**Sample No.** : E22070069-01#12  
E22070069-01#01

**FCC ID** : 2ACCRMW24

**Standards** : FCC CFR47 Part 15, Subpart C

**Date of Receipt** : 2022-07-26  
**Date of Test** : 2022-08-05~ 2022-08-30  
**Date of Issue** : 2022-08-31

**Remark:**

*This report details the results of the testing carried out on one sample, the results contained in this report do not relate to other samples of the same product. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.*

Prepared by:



(Erik Yang)

Reviewed by:



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Approved by:



(Authorized signatory: Guoyou Chi)

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## 1 General Information

### 1.1 Testing Laboratory

|              |                                                      |
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| Company Name | ICAS Testing Technology Service (Shanghai) Co., Ltd. |
| Address      | No.1298 Pingan Rd, Minhang District, Shanghai, China |
| Telephone    | 0086 21-51682999                                     |
| Fax          | 0086 21-54711112                                     |
| Homepage     | www.icasiso.com                                      |

### 1.2 Details of Application

|                           |                                                                 |
|---------------------------|-----------------------------------------------------------------|
| Applicant Company Name    | ShangHai Ehong Technology Co.,Ltd.                              |
| Address                   | Room 501, No.485 Xingmei Road, Minhang district,Shanghai, China |
| Contact Person            | Rik Tang                                                        |
| Telephone                 | 02164769993                                                     |
| Email                     | rik.tang@ehonglink.com                                          |
| Manufacturer Company Name | ShangHai Ehong Technology Co.,Ltd.                              |
| Address                   | Room 501, No.485 Xingmei Road, Minhang district,Shanghai, China |
| Factory Company Name      | ShangHai Ehong Technology Co.,Ltd.                              |
| Address                   | Room 501, No.485 Xingmei Road, Minhang district,Shanghai, China |

### 1.3 Details of EUT

|                             |                                  |
|-----------------------------|----------------------------------|
| Product Name                | AIOT Module                      |
| Brand Name                  | Ehong                            |
| Test Model No.              | EH-MW24                          |
| FCC ID                      | 2ACCRMW24                        |
| Mode of Operation           | Zigbee                           |
| Frequency Range             | 2405MHz ~ 2480MHz                |
| Number of Channels          | 16 (at intervals of 5 MHz)       |
| Modulation Type             | O-QPSK                           |
| Antenna Type                | PCB Antenna                      |
| Antenna Gain                | 0.54dBi                          |
| Extreme Temperature Range   | -10℃~ +85℃                       |
| Test Voltage                | DC 3.3V By DC Power Supply       |
| Hardware version            | EH-MW24-V1.1                     |
| Software version            | EH-MW24-C000-V1.0                |
| Test SW Version             | BL410_R;BL410_E                  |
| RF power setting in TEST SW | QRCT_Power level setting_Default |

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Note:

1. The above information was declared by the manufacture.
2. For more details, please refer to the User's manual of the EUT.

## Channel List

| Channel | Frequency (MHz) | Channel | Frequency (MHz) |
|---------|-----------------|---------|-----------------|
| 11      | 2405            | 19      | 2445            |
| 12      | 2410            | 20      | 2450            |
| 13      | 2415            | 21      | 2455            |
| 14      | 2420            | 22      | 2460            |
| 15      | 2425            | 23      | 2465            |
| 16      | 2430            | 24      | 2470            |
| 17      | 2435            | 25      | 2475            |
| 18      | 2440            | 26      | 2480            |

## 1.4 Test Methodology

|                                   |                                                                    |
|-----------------------------------|--------------------------------------------------------------------|
| 47 CFR Part 15, Subpart C         | Telecommunication-Radio Frequency Devices-Intentional Radiators    |
| KDB Publication 558074 D01 v05r02 | 15.247 Meas Guidance.                                              |
| ANSI C63.10-2013                  | American National Standard for Testing Unlicensed Wireless Devices |

### Note(s):

All test items were verified and recorded according to the standards and without any addition/deviation/exclusion during the test.

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## 1.5 Test Summary

| Test Item                                                  | FCC Rules                             | Result              |
|------------------------------------------------------------|---------------------------------------|---------------------|
| Antenna Requirement                                        | FCC Part 15.247(b)(4),<br>Part 15.203 | PASS                |
| Maximum peak conducted output power                        | FCC Part 15.247(b)(3)                 | PASS                |
| 6dB Bandwidth                                              | FCC Part 15.247(a)(2)                 | PASS                |
| Maximum conducted output power spectral density            | FCC Part 15.247(e)                    | PASS                |
| Conducted Spurious Emission & Authorized-band<br>band-edge | FCC Part 15.247(d)                    | PASS                |
| Radiated Emission                                          | FCC Part 15.247(d), 15.205, 15.209    | PASS                |
| Band Edge (Restricted-band band-edge)                      | FCC Part 15.247(d), 15.205, 15.209    | PASS                |
| Conducted Emission on AC Mains                             | FCC Part 15.207(a)                    | N/A <sup>note</sup> |

**Note(s):** N/A means not applicable. The EUT is powered by DC Power Supply (DC 3.3V). Conducted Emission on AC Mains Measurements to demonstrate compliance with the conducted limits are not required for devices which only employ battery power for operation and which do not operate from the AC power lines or contain provisions for operation while connected to the AC power lines.

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## 2 Test Condition

### 2.1 Environmental conditions

|                            |          |
|----------------------------|----------|
| Temperature (°C)           | 18-25    |
| Humidity (%RH)             | 40-65    |
| Barometric Pressure (mbar) | 960-1060 |

### 2.2 Equipment List

| Name of Equipment         | Manufacturer    | Model     | Serial No. | Cal. Date  | Cal. Due   |
|---------------------------|-----------------|-----------|------------|------------|------------|
| Spectrum Analyzer         | Keysight        | N9020B    | MY59260184 | 2022-08-02 | 2023-08-01 |
| Spectrum Analyzer         | Rohde & Schwarz | FSV40N    | 101450     | 2022-06-10 | 2023-06-09 |
| EMI Test Receiver         | Rohde & Schwarz | ESR 7     | 101911     | 2022-06-10 | 2023-06-09 |
| Broadband Antenna         | SCHWARZBECK     | VULB9163  | 9163-1037  | 2021-06-08 | 2023-06-07 |
| Horn Antenna              | SCHWARZBECK     | BBHA9120D | 9120D-1775 | 2021-06-08 | 2023-06-07 |
| Loop Antenna              | SCHWARZBECK     | FMZB 1513 | /          | 2022-06-10 | 2023-06-09 |
| Broadband Preamplifier    | SCHWARZBECK     | BBV 9718  | 346        | 2022-06-10 | 2023-06-09 |
| EMC chamber 9*6*6 (L*W*H) | CHANGNING       | 966       | N/A        | 2022-06-10 | 2023-06-09 |
| DC Power Supply           | ITECH           | IT6512A   | N/A        | 2022-06-07 | 2024-06-06 |
| Test Software             | BL              | BL410_E   | N/A        | N/A        | N/A        |
| Test Software             | BL              | BL410_R   | N/A        |            | N/A        |

### 2.3 Measurement Uncertainty

The uncertainty is calculated using the methods suggested in the “Guide to the Expression of Uncertainty in measurement” (GUM) published by CISPR and ANSI. The reported uncertainty of measurement  $y \pm U$ , where expanded uncertainty  $U$  is based on a standard uncertainty multiplied by a coverage factor of  $k=2$ , providing a level of confidence of approximately 95%.

| Parameter                       |        | Uncertainty   |
|---------------------------------|--------|---------------|
| Antenna Port Conducted Emission | < 1GHz | $\pm 1.5$ dB  |
|                                 | > 1GHz | $\pm 1.5$ dB  |
| Radiated Emission               | < 1GHz | $\pm 5.00$ dB |
|                                 | > 1GHz | $\pm 4.88$ dB |
| Occupied Channel Bandwidth      |        | $\pm 5$ %     |

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## 3 Test Set-up and Operation Modes

### 3.1 Details of Test Mode

Using test software was control EUT work in continuous transmitter and receiver mode. Select test channel as below:

| Channel                   | Frequency |
|---------------------------|-----------|
| The lowest channel(CH11)  | 2405MHz   |
| The middle channel(CH18)  | 2440MHz   |
| The Highest channel(CH26) | 2480MHz   |

The basic operation modes are:

- A. On
  - 1. zigbee mode
    - a. Transmitting
      - i. Low Channel
      - ii. Middle Channel
      - iii. High Channel
    - b. Receiving
  - 2. Normal working with Bluetooth on
- B. Standby
- C. Off

### 3.2 Special Accessories and Auxiliary Equipment

| Description | Manufacturer | Model No.         | Serial No. |
|-------------|--------------|-------------------|------------|
| Laptop      | HP           | HP ZHAN 66 Pro G1 | N/A        |

### 3.3 Support Software

| Description | Manufacturer | Software Name            |
|-------------|--------------|--------------------------|
| Software    | Qualcomm     | QRCT Version 4.0.00132.0 |

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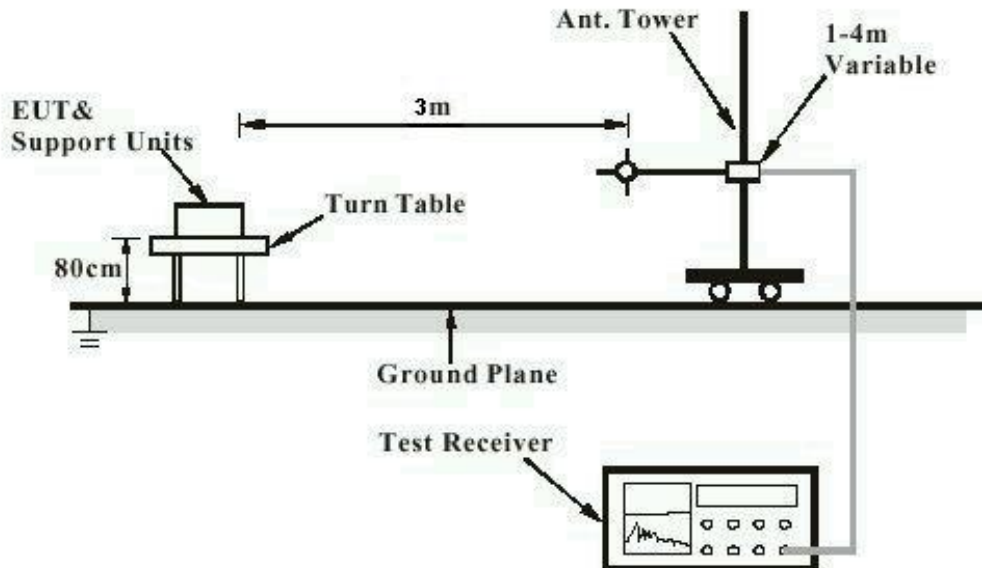
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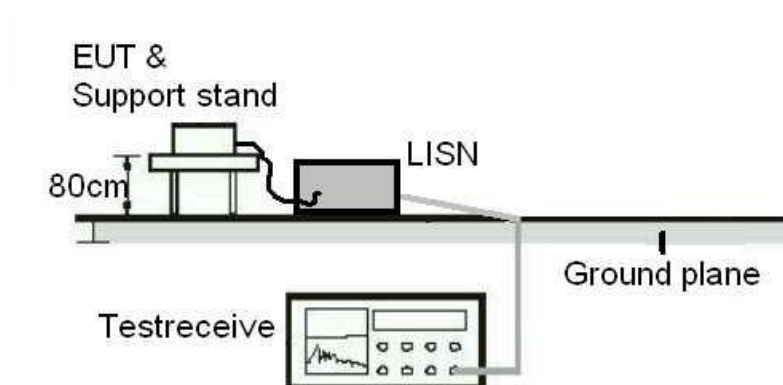
## 3.4 Test Setup Diagram

Diagram of Measurement Configuration for Radiation Test



Note: Measurements above 1GHz are done with a table height of 1.5m. In addition, there is RF absorbing material on the floor of the test site for above 1GHz measurement.

Diagram of Measurement Equipment Configuration for Conduction Measurement



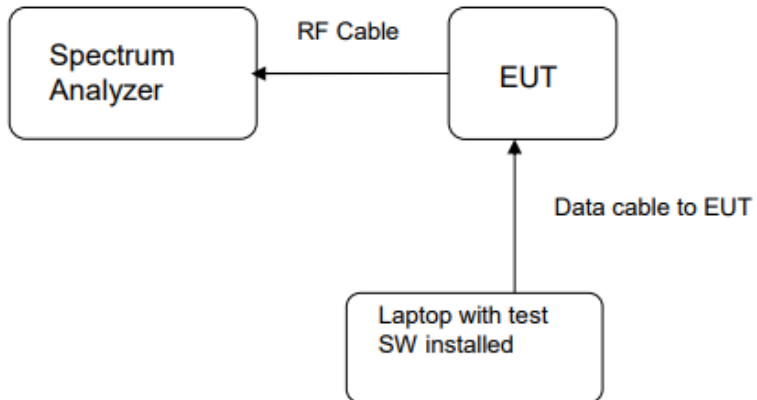
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## Diagram of Measurement Equipment Configuration for Transmitter Measurement



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## 4 Test Results

### 4.1 Transmitter Requirement & Test Suites

#### 4.1.1 Antenna Requirement

RESULT:

**PASS**

|               |                                                                                    |
|---------------|------------------------------------------------------------------------------------|
| Test standard | : FCC Part 15.247(b)(4), Part 15.203                                               |
| Requirement   | : The use of approved antennas only with directional gains that do not exceed 6dBi |

According to the manufacturer declaration, the EUT has an antenna with a directional gain of 0.54dBi. The antenna is pcb antenna with no possibility of replacement with a non-approved antenna by the end-user.

Therefore, the EUT is considered to comply with this provision.

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## 4.1.2 Maximum peak conducted output power

RESULT:

PASS

Test standard : FCC Part 15.247(b)(3)  
Requirement : ANSI C63.10-2013 clause 11.9.1.1,  
KDB 558074 clause 8.3.1.1  
Kind of test site : Shielded room

### Test setup

Test Channel : Low/Middle/High  
Operation Mode : A.1.a  
Ambient temperature : 24.9°C  
Relative humidity : 56%

Table 1: Maximum peak conducted output power

| Test Mode | Test Channel<br>(MHz) | Measured Peak Power |      | Limit<br>(W) |
|-----------|-----------------------|---------------------|------|--------------|
|           |                       | (dBm)               | (mW) |              |
| Zigbee    | 2405                  | -0.12               | 0.97 | < 1          |
|           | 2440                  | -0.09               | 0.98 |              |
|           | 2480                  | -0.01               | 1.00 |              |

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Figure 1: Peak Output Power, 2405MHz, Zigbee



Figure 2: Peak Output Power, 2440MHz, Zigbee



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Figure 3: Peak Output Power, 2480MHz, Zigbee



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## 4.1.3 6dB Bandwidth

RESULT:

PASS

Test standard : FCC Part 15.247(a)(2)  
Requirement : ANSI C63.10-2013 clause 11.8.1,  
KDB 558074 clause 8.2  
Kind of test site : Shielded room

### Test setup

Test Channel : Low/Middle/High  
Operation Mode : A.1.a  
Ambient temperature : 24.9°C  
Relative humidity : 56%

Table 2: 6dB Bandwidth

| Test Mode | Test Channel (MHz) | 6dB Bandwidth (MHz) | Limit    |
|-----------|--------------------|---------------------|----------|
| Zigbee    | 2405               | 1.635               | >0.5 MHz |
|           | 2440               | 1.666               |          |
|           | 2480               | 1.621               |          |

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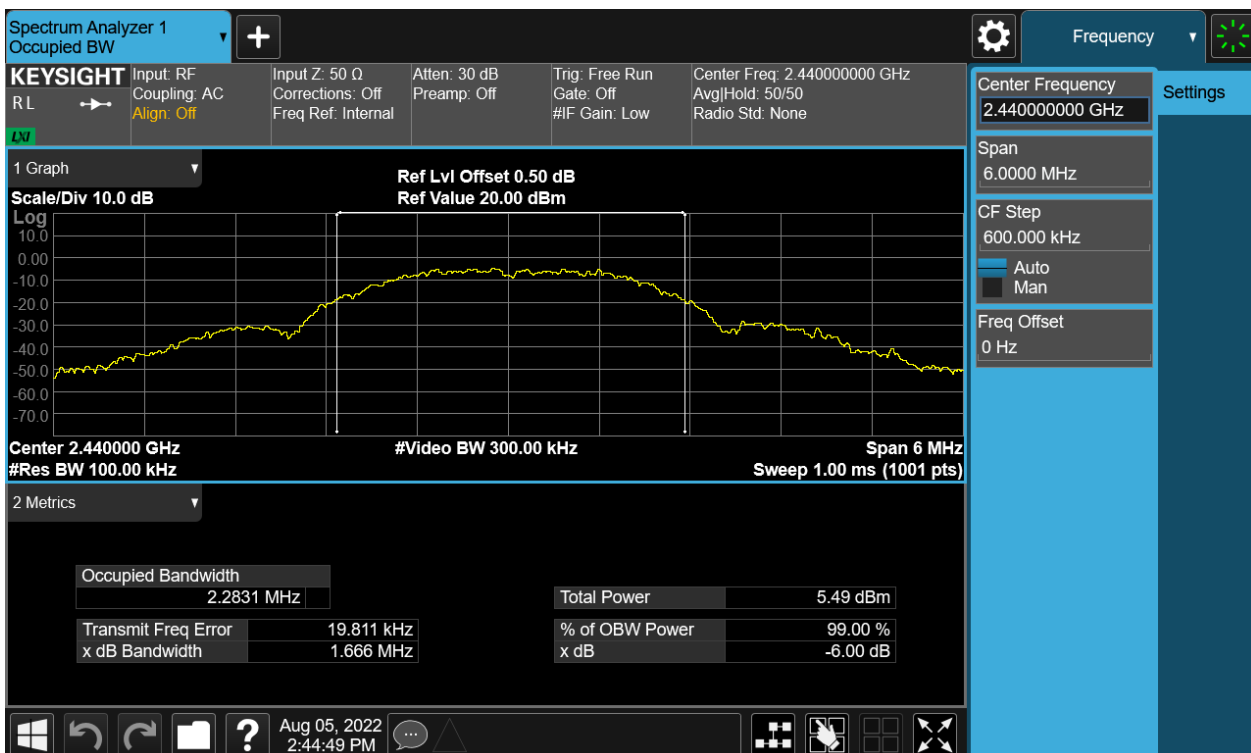
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Figure 4: 6dB Bandwidth, 2405MHz, Zigbee



Figure 5: 6dB Bandwidth, 2440MHz, Zigbee



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Figure 6: 6dB Bandwidth, 2480MHz, Zigbee



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## 4.1.4 Maximum conducted output power spectral density

RESULT:

PASS

Test standard : FCC Part 15.247(e)

Requirement : ANSI C63.10-2013 clause 11.10.2,  
KDB 558074 clause 8.4

Kind of test site : Shielded room

### Test setup

Test Channel : Low/Middle/High

Operation Mode : A.1.a

Ambient temperature : 24.9°C

Relative humidity : 56%

Table 3: Power Spectral Density

| Test Mode | Test Channel (MHz) | Measured Result (dBm/3kHz) | Limit (dBm/3kHz) |
|-----------|--------------------|----------------------------|------------------|
| Zigbee    | 2405               | -16.91                     | 8                |
|           | 2440               | -17.32                     |                  |
|           | 2480               | -16.92                     |                  |

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Figure 7: Power Spectral Density, 2405MHz, Zigbee



Figure 8: Power Spectral Density, 2440MHz, Zigbee



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Figure 9: Power Spectral Density, 2480MHz, Zigbee



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## 4.1.5 Conducted Spurious Emission & Authorized-band band-edge

RESULT:

**PASS**

Test standard : FCC Part 15.247(d)  
Requirement : ANSI C63.10-2013 clause 11.11,  
KDB 558074 clause 8.5  
Kind of test site : Shielded room

### Test setup

Test Channel : Low/Middle/High for spurious, Low/High for Band  
Edge  
Operation Mode : A.1.a  
Ambient temperature : 24.9°C  
Relative humidity : 56%

For details refer to following test plot.

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Figure 10: Conducted Spurious Emission & Authorized-band band-edge, 2405MHz, Zigbee Carrier Level



## Band Edge



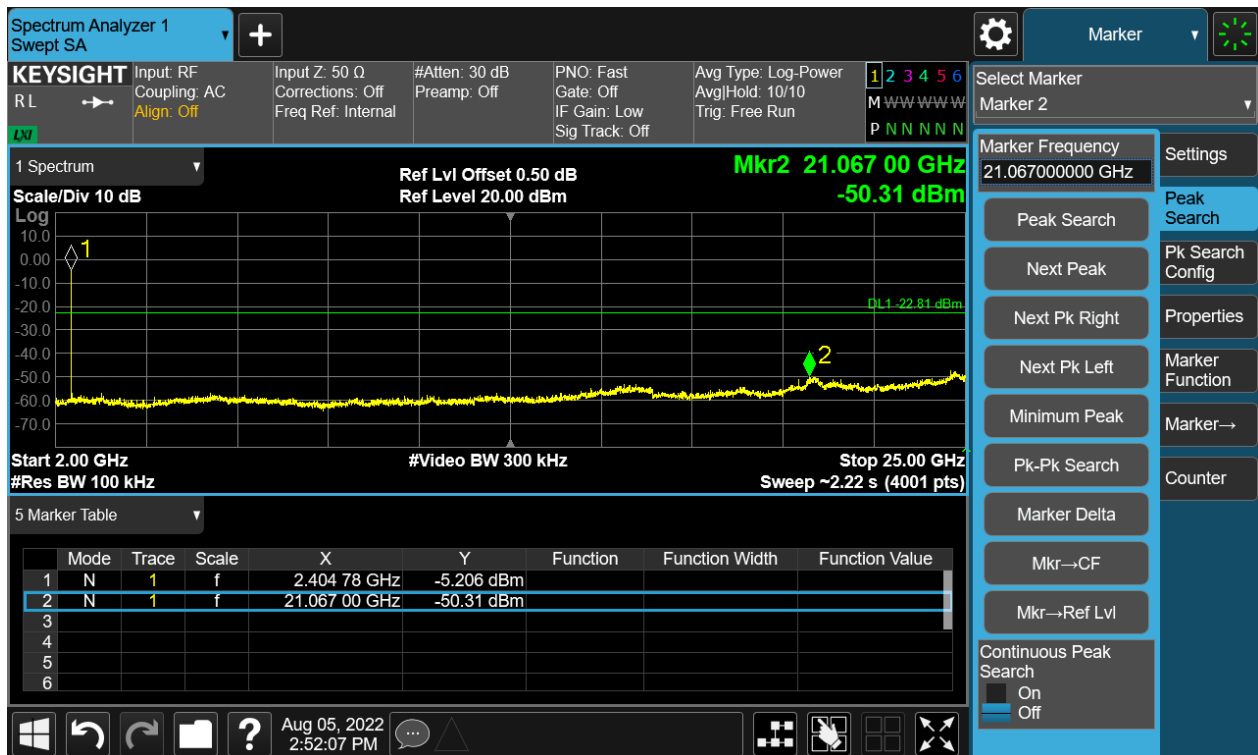
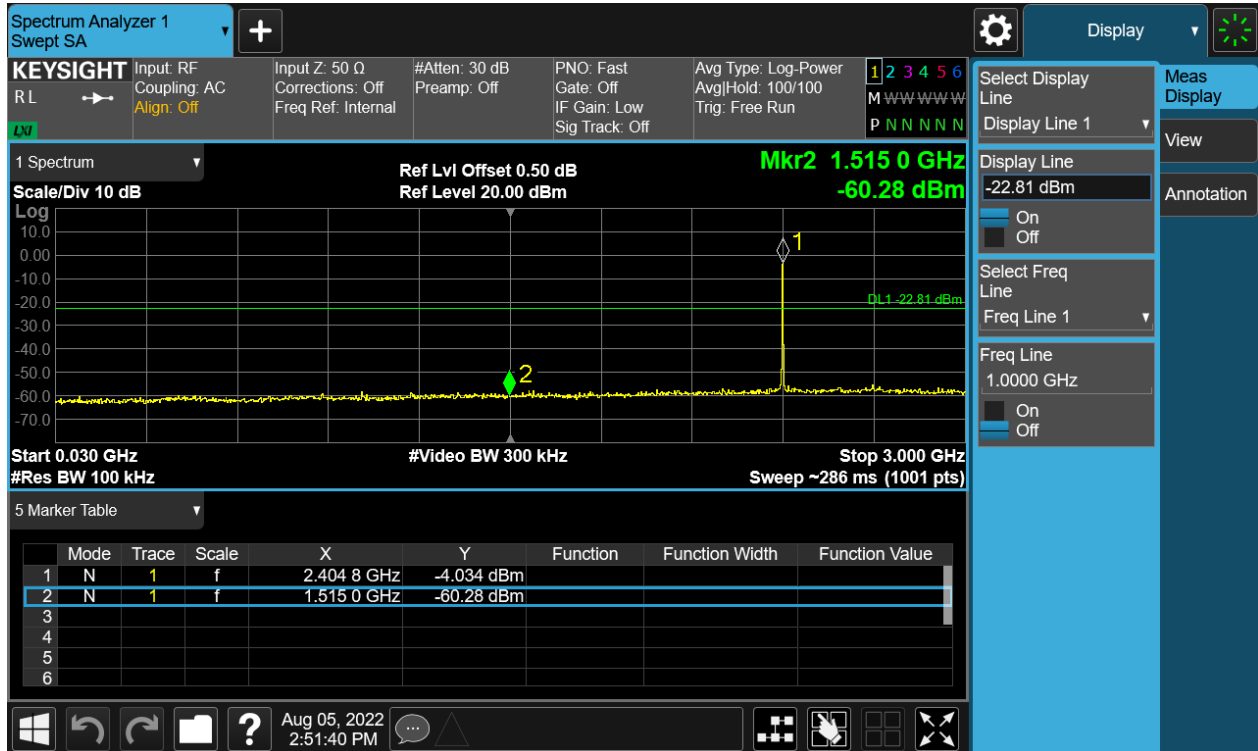
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## Conducted spurious emissions 30MHz-25GHz



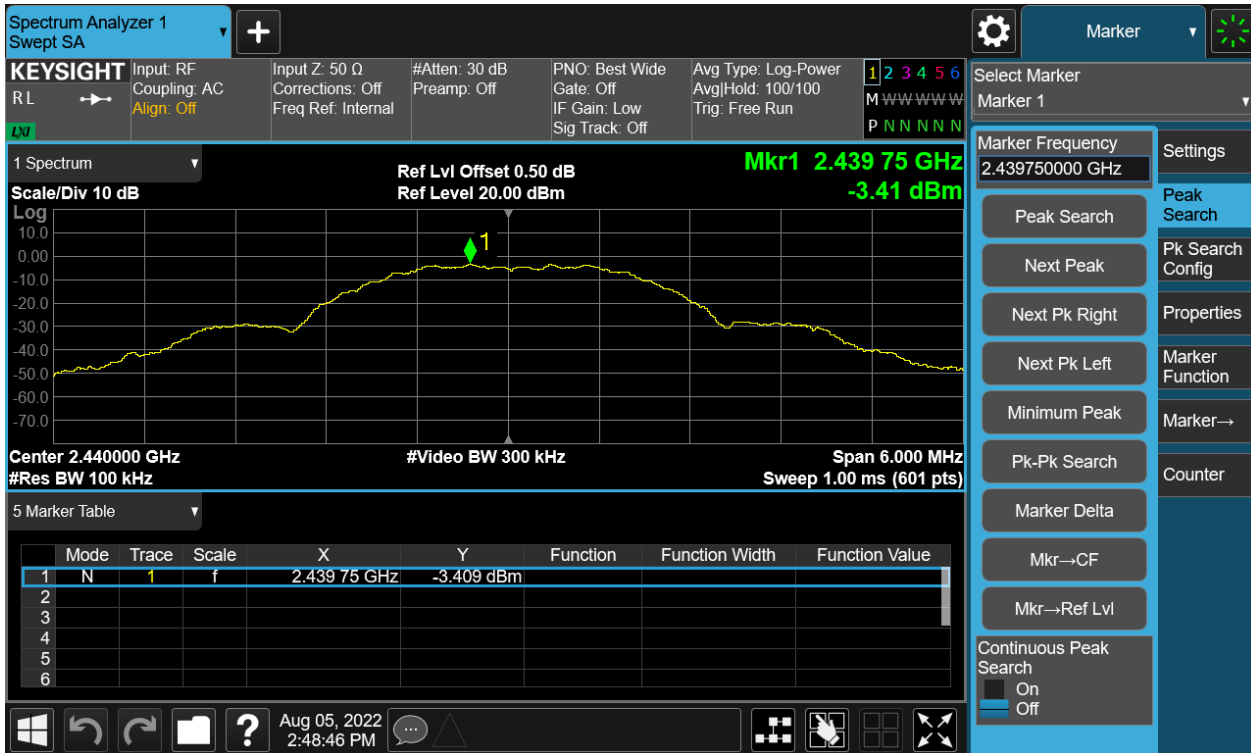
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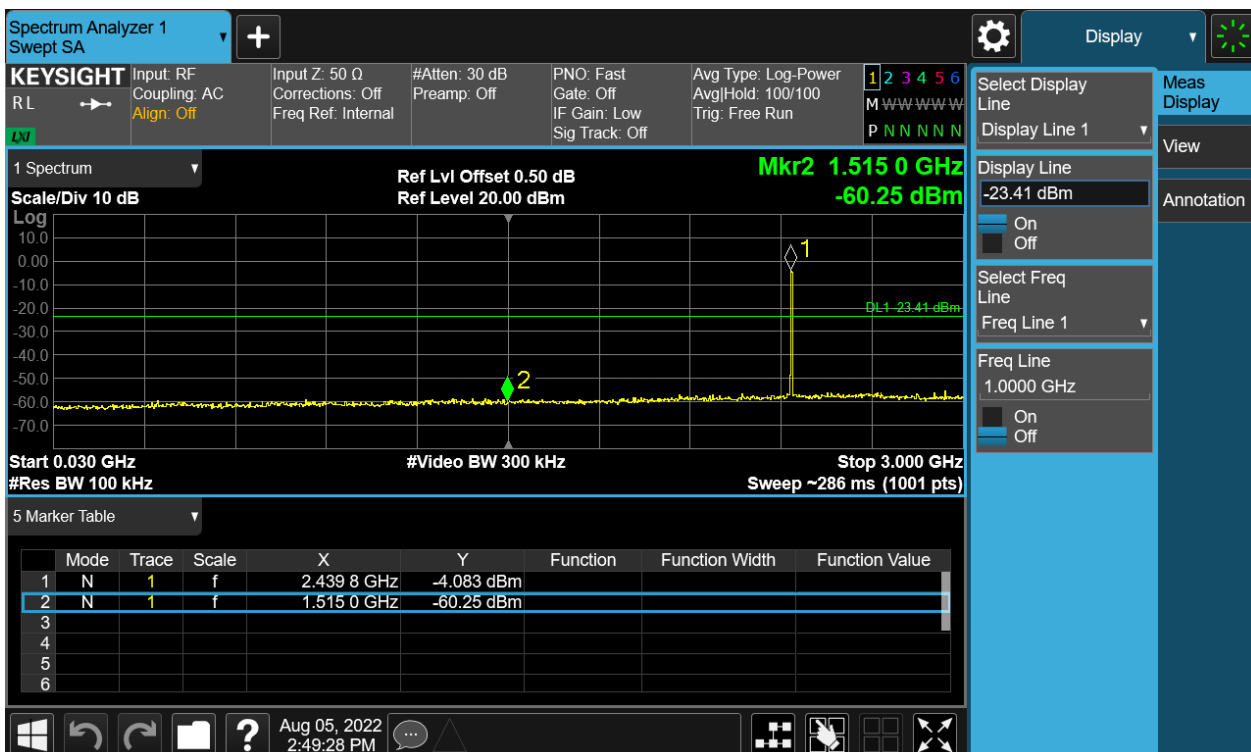
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Figure 11: Conducted Spurious Emission & Authorized-band band-edge, 2440MHz, Zigbee Carrier Level



## Conducted spurious emissions 30MHz-25GHz



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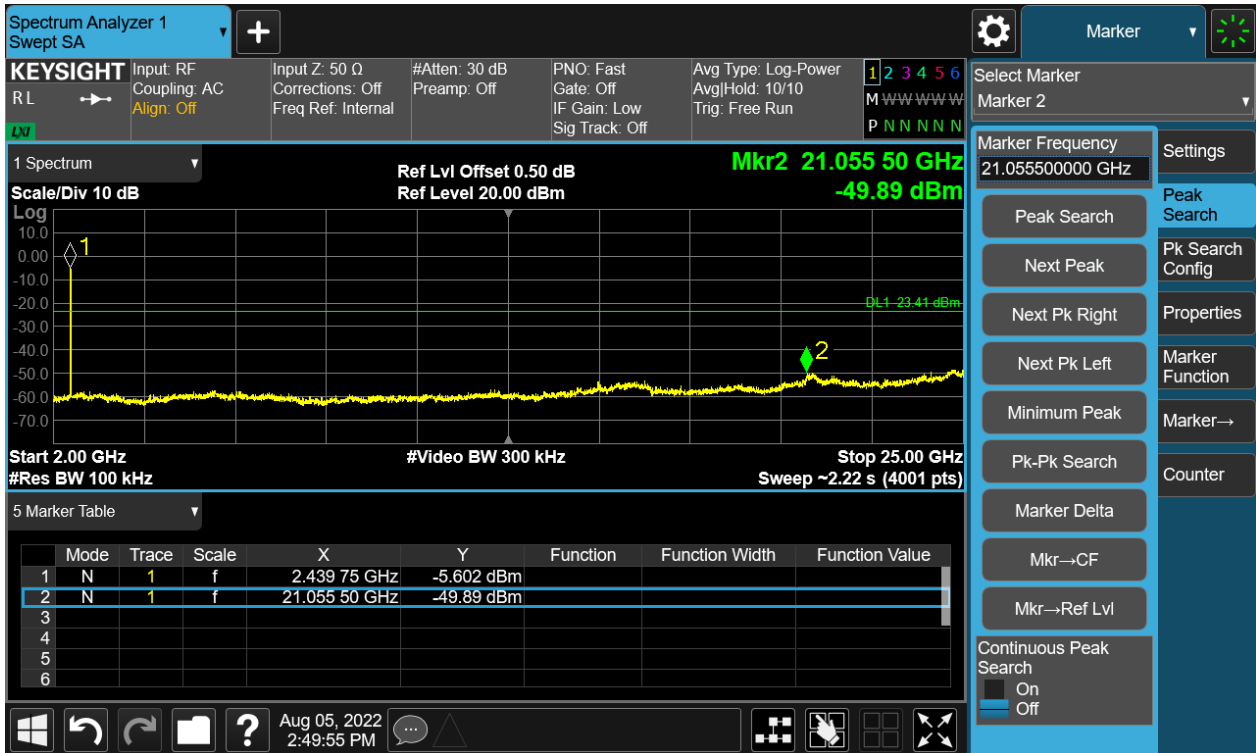


Figure 12: Conducted Spurious Emission & Authorized-band band-edge, 2480MHz, Zigbee Carrier Level



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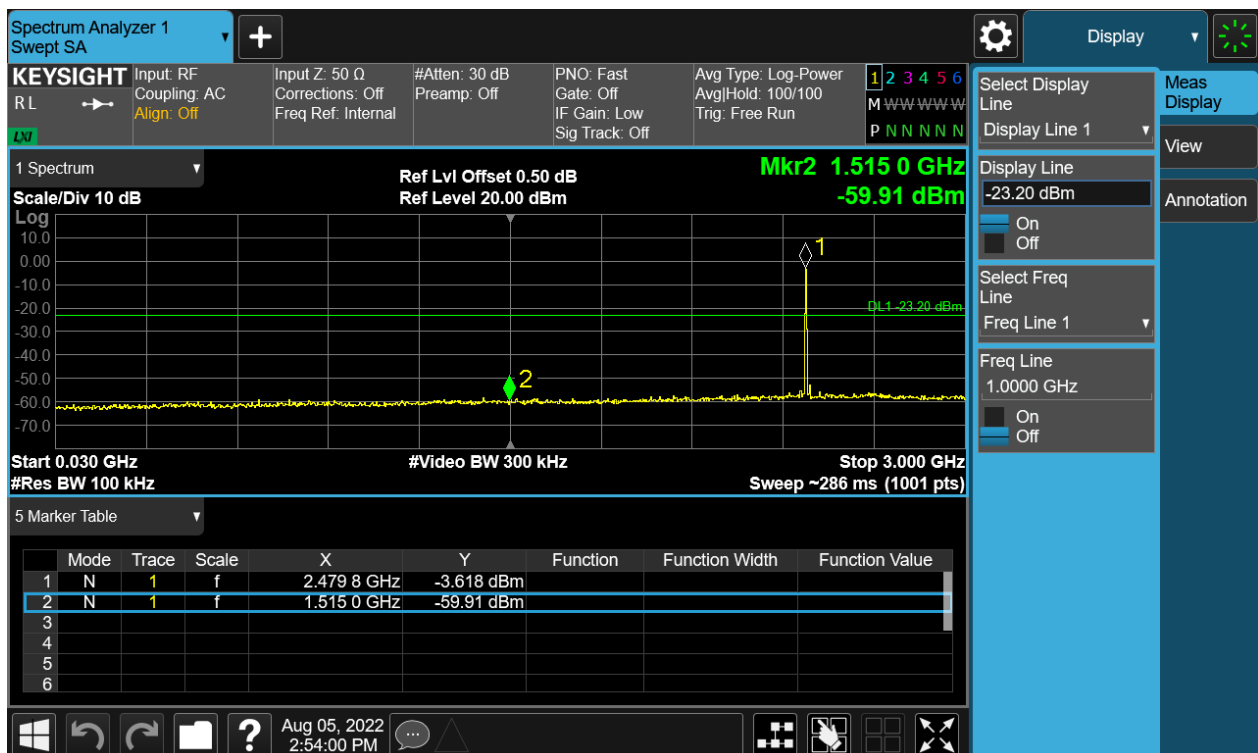
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## Band Edge



## Conducted spurious emissions 30MHz-25GHz



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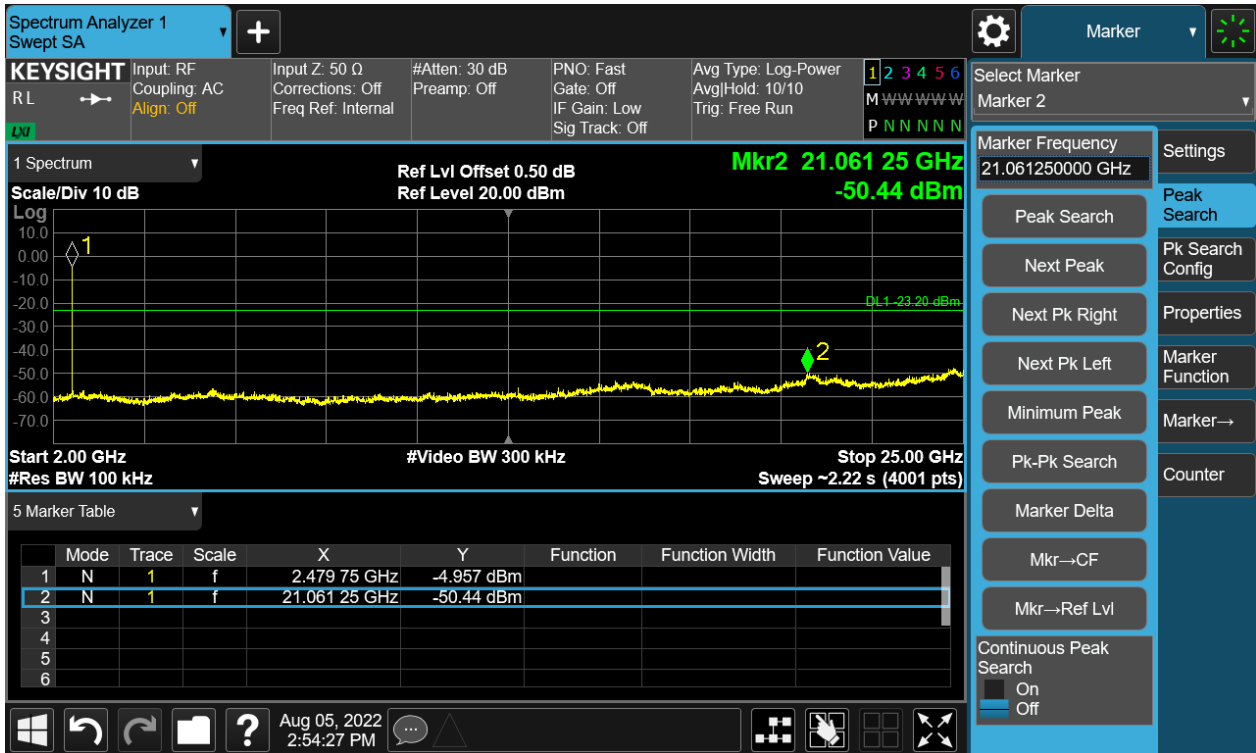
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## 4.1.6 Radiated Emission

### RESULT:

**PASS**

Test standard : FCC Part 15.247(d), 15.205, 15.209  
Requirement : ANSI C63.10-2013 clause 11.12,  
KDB 558074 clause 8.6  
Kind of test site : 3m Semi-Anechoic Chamber

### Test setup

Test Channel : Low/Middle/High  
Operation Mode : A  
Ambient temperature : 24.5°C  
Relative humidity : 53%

### Notes

1. For 9 kHz ~ 30 MHz, the amplitude of spurious emissions that are attenuated by more than 20dB below the permissible. The value has no need to be reported.
2. The spurious above 18GHz is noise only and 20dB below the limit. The value has no need to be reported.
3. The EUT was pretested with 3 orientations placed on the table for the radiated emission measurement –X, Y, and Z-plane. The X-plane results were found as the worst case and were shown in this report.
4. All test modes had been pre-tested, but only the low channel of below 1 GHz is the worst case and recorded in the report.

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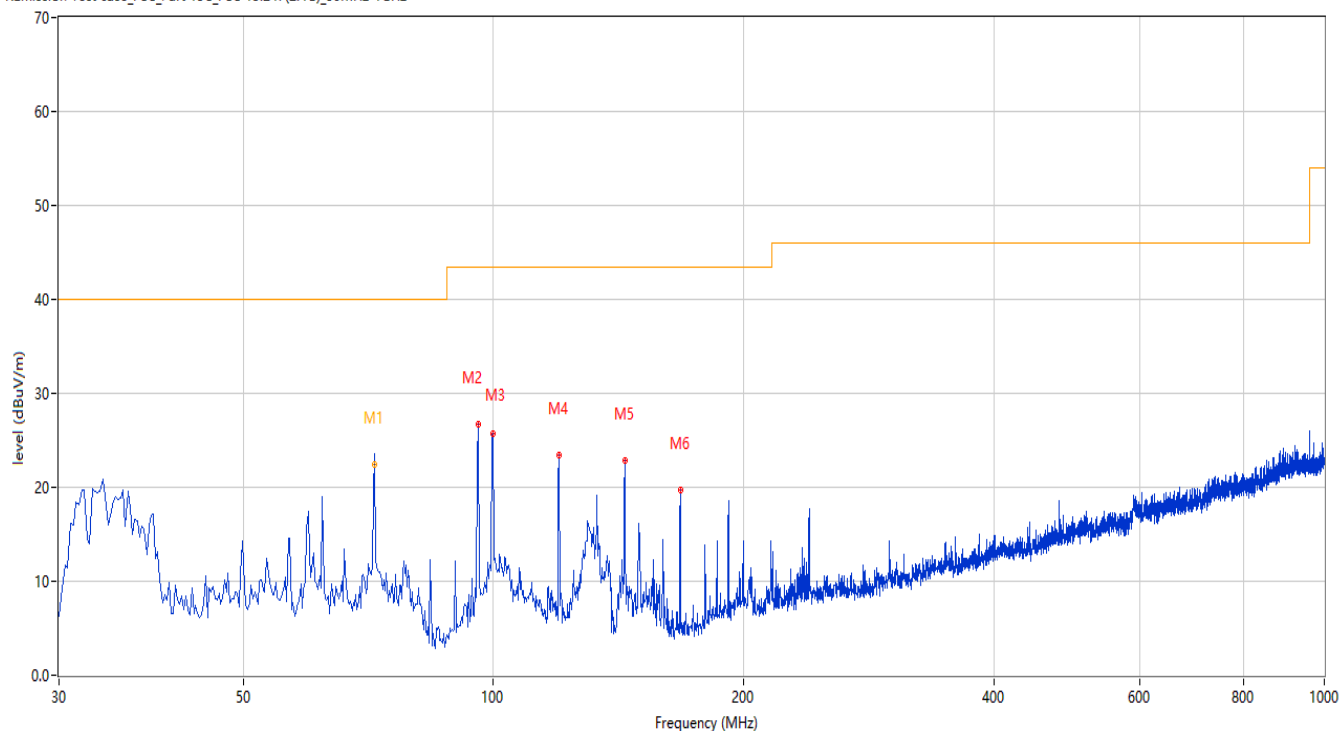
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**Figure 13: Radiated Emission, Zigbee, 2405MHz\_30MHz\_1GHz**  
Horizontal polarization

REmission Test case\_FCC\_Part 15C\_FCC 15.247(2.4G)\_30MHz-1GHz



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 71.942          | 23.61            | -30.08      | 40.0           | -16.39          | Peak     | 200.00         | 200         | Horizontal | Pass    |
| 1*  | 71.942          | 22.38            | -30.08      | 40.0           | -17.62          | QP       | 200.00         | 200         | Horizontal | Pass    |
| 2   | 95.944          | 26.70            | -27.17      | 43.5           | -16.80          | Peak     | 2.90           | 200         | Horizontal | Pass    |
| 3   | 99.823          | 25.78            | -26.67      | 43.5           | -17.72          | Peak     | 46.90          | 200         | Horizontal | Pass    |
| 4   | 119.945         | 23.41            | -28.31      | 43.5           | -20.09          | Peak     | 107.30         | 200         | Horizontal | Pass    |
| 5   | 143.947         | 22.86            | -30.00      | 43.5           | -20.64          | Peak     | 37.20          | 200         | Horizontal | Pass    |
| 6   | 167.948         | 19.67            | -29.07      | 43.5           | -23.83          | Peak     | 153.80         | 200         | Horizontal | Pass    |

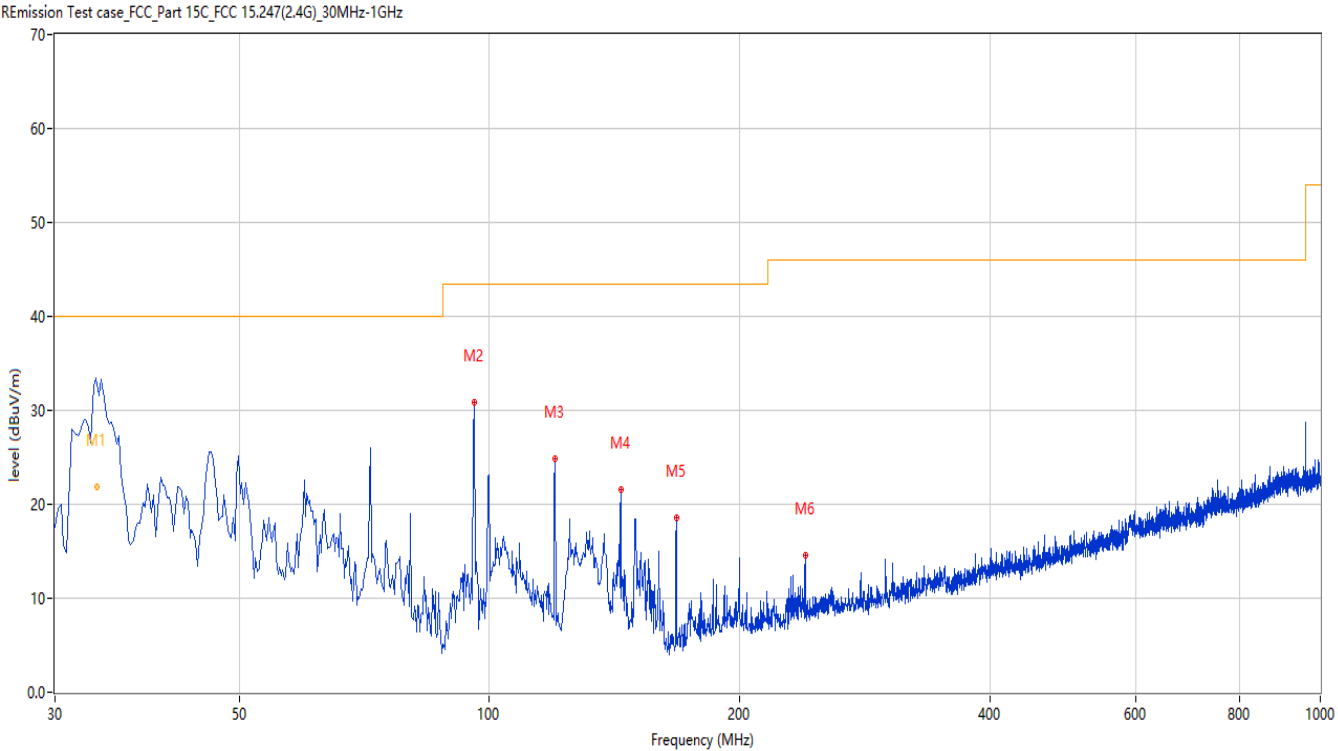
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Vertical polarization



| No. | Frequency<br>(MHz) | Results<br>(dBuV/m) | Factor<br>(dB) | Limit<br>(dBuV/m) | Over Limit<br>(dB) | Detector | Table<br>(Degree) | Height<br>(cm) | Antenna  | Verdict |
|-----|--------------------|---------------------|----------------|-------------------|--------------------|----------|-------------------|----------------|----------|---------|
| 1   | 33.684             | 35.20               | -28.53         | 40.0              | -4.80              | Peak     | 285.40            | 101            | Vertical | Pass    |
| 1*  | 33.684             | 21.91               | -28.53         | 40.0              | -18.09             | QP       | 285.40            | 101            | Vertical | Pass    |
| 2   | 95.944             | 30.84               | -27.17         | 43.5              | -12.66             | Peak     | 32.30             | 100            | Vertical | Pass    |
| 3   | 119.945            | 24.51               | -28.31         | 43.5              | -18.99             | Peak     | 9.20              | 100            | Vertical | Pass    |
| 4   | 143.947            | 21.52               | -30.00         | 43.5              | -21.98             | Peak     | 2.80              | 100            | Vertical | Pass    |
| 5   | 167.948            | 18.51               | -29.07         | 43.5              | -24.99             | Peak     | 336.30            | 100            | Vertical | Pass    |
| 6   | 239.953            | 14.52               | -25.19         | 46.0              | -31.48             | Peak     | 196.10            | 100            | Vertical | Pass    |

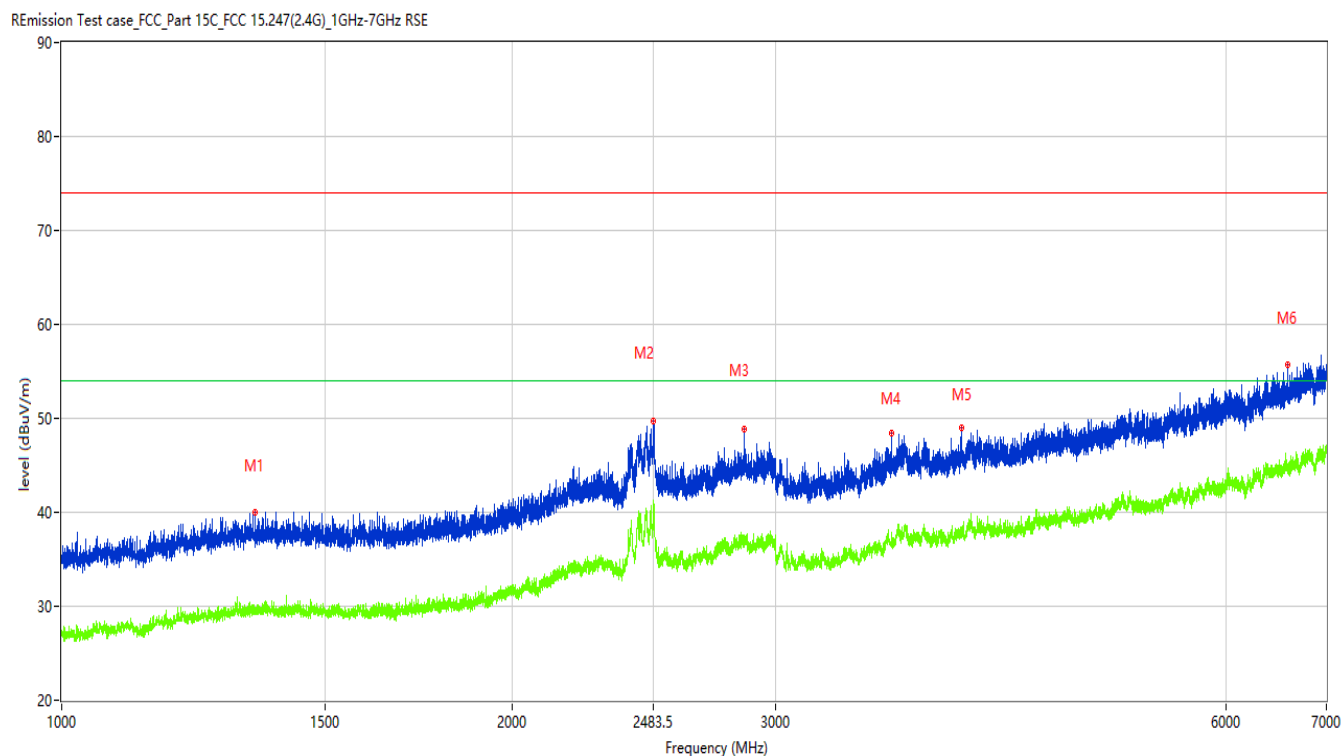
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**Figure 14: Radiated Emission, Zigbee, 2405MHz\_1GHz\_7GHz**  
Horizontal polarization



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1345.750        | 39.94            | -12.79      | 74.0           | -34.06          | Peak     | 360.00         | 100         | Horizontal | Pass    |
| 1** | 1345.750        | 29.53            | -12.79      | 54.0           | -24.47          | AV       | 360.00         | 100         | Horizontal | Pass    |
| 2   | 2486.250        | 49.78            | -1.91       | 74.0           | -24.22          | Peak     | 360.00         | 100         | Horizontal | Pass    |
| 2** | 2486.250        | 40.24            | -1.91       | 54.0           | -13.76          | AV       | 360.00         | 100         | Horizontal | Pass    |
| 3   | 2857.500        | 48.82            | -3.83       | 74.0           | -25.18          | Peak     | 237.10         | 100         | Horizontal | Pass    |
| 3** | 2857.500        | 37.52            | -3.83       | 54.0           | -16.48          | AV       | 237.10         | 100         | Horizontal | Pass    |
| 4   | 3584.000        | 48.40            | -2.36       | 74.0           | -25.60          | Peak     | 291.10         | 100         | Horizontal | Pass    |
| 4** | 3584.000        | 37.85            | -2.36       | 54.0           | -16.15          | AV       | 291.10         | 100         | Horizontal | Pass    |
| 5   | 3993.000        | 49.00            | -1.21       | 74.0           | -25.00          | Peak     | 58.90          | 100         | Horizontal | Pass    |
| 5** | 3993.000        | 38.46            | -1.21       | 54.0           | -15.54          | AV       | 58.90          | 100         | Horizontal | Pass    |
| 6   | 6597.000        | 55.69            | 4.31        | 74.0           | -18.31          | Peak     | 153.80         | 100         | Horizontal | Pass    |
| 6** | 6597.000        | 44.94            | 4.31        | 54.0           | -9.06           | AV       | 153.80         | 100         | Horizontal | Pass    |

# TEST REPORT

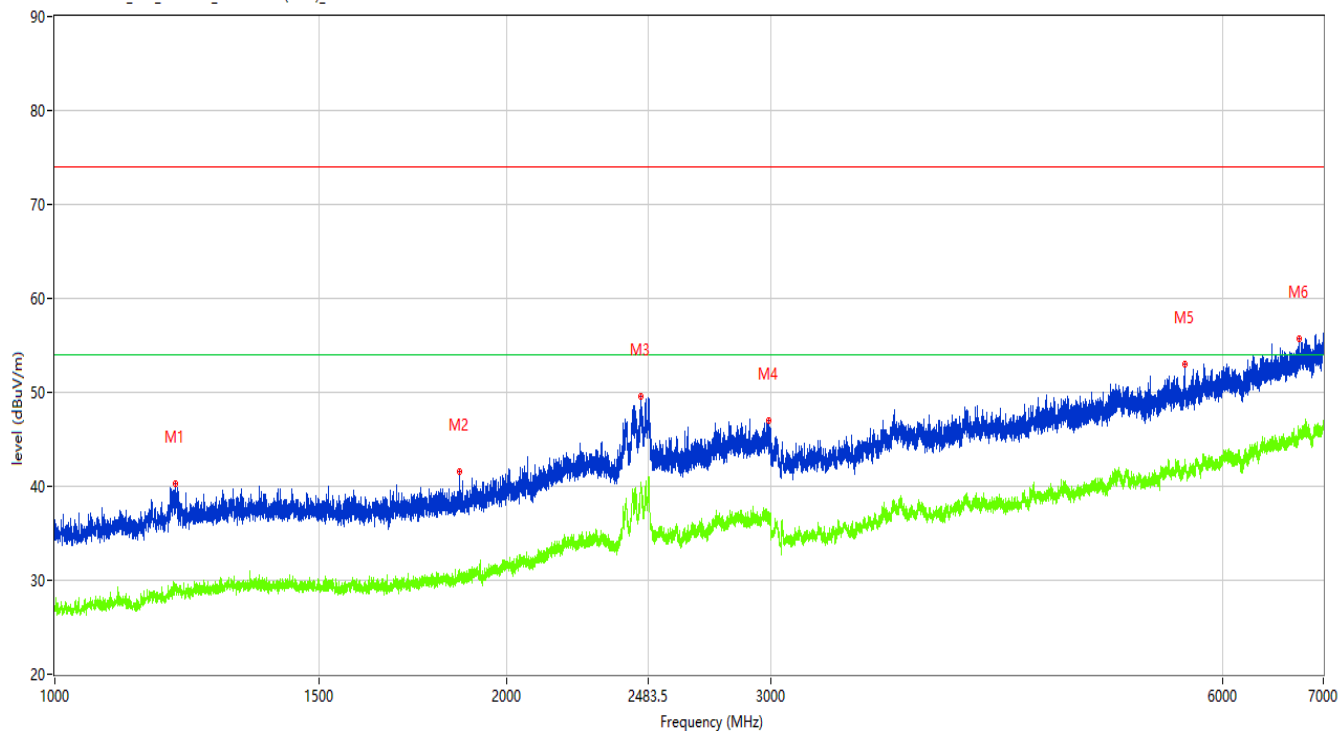
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Vertical polarization

REmission Test case\_FCC\_Part 15C\_FCC 15.247(2.4G)\_1GHz-7GHz RSE



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1204.000        | 40.29            | -13.57      | 74.0           | -33.71          | Peak     | 72.20          | 100         | Vertical | Pass    |
| 1** | 1204.000        | 29.56            | -13.57      | 54.0           | -24.44          | AV       | 72.20          | 100         | Vertical | Pass    |
| 2   | 1860.750        | 41.53            | -12.10      | 74.0           | -32.47          | Peak     | 157.50         | 100         | Vertical | Pass    |
| 2** | 1860.750        | 31.08            | -12.10      | 54.0           | -22.92          | AV       | 157.50         | 100         | Vertical | Pass    |
| 3   | 2458.250        | 49.63            | -2.59       | 74.0           | -24.37          | Peak     | 157.50         | 100         | Vertical | Pass    |
| 3** | 2458.250        | 40.11            | -2.59       | 54.0           | -13.89          | AV       | 157.50         | 100         | Vertical | Pass    |
| 4   | 2991.500        | 46.99            | -3.08       | 74.0           | -27.01          | Peak     | 132.50         | 100         | Vertical | Pass    |
| 4** | 2991.500        | 36.72            | -3.08       | 54.0           | -17.28          | AV       | 132.50         | 100         | Vertical | Pass    |
| 5   | 5658.500        | 52.98            | 1.61        | 74.0           | -21.02          | Peak     | 0.50           | 100         | Vertical | Pass    |
| 5** | 5658.500        | 42.22            | 1.61        | 54.0           | -11.78          | AV       | 0.50           | 100         | Vertical | Pass    |
| 6   | 6745.500        | 55.78            | 4.80        | 74.0           | -18.22          | Peak     | 219.80         | 100         | Vertical | Pass    |
| 6** | 6745.500        | 45.77            | 4.80        | 54.0           | -8.23           | AV       | 219.80         | 100         | Vertical | Pass    |

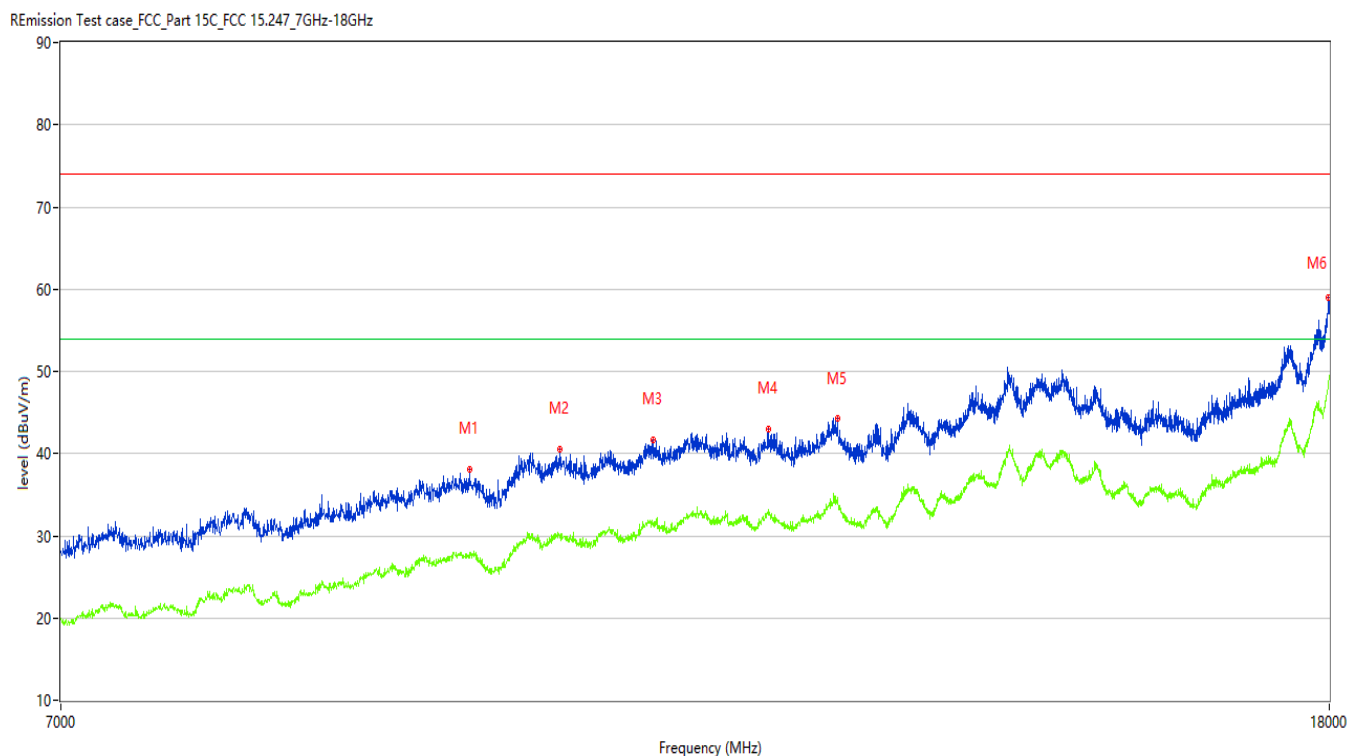
# TEST REPORT

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**Figure 15: Radiated Emission, Zigbee, 2405MHz\_7GHz\_18GHz**  
Horizontal polarization



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 9488.750        | 38.13            | 7.83        | 74.0           | -35.87          | Peak     | 254.10         | 100         | Horizontal | Pass    |
| 1** | 9488.750        | 27.68            | 7.83        | 54.0           | -26.32          | AV       | 254.10         | 100         | Horizontal | Pass    |
| 2   | 10148.750       | 40.58            | 9.25        | 74.0           | -33.42          | Peak     | 127.10         | 100         | Horizontal | Pass    |
| 2** | 10148.750       | 29.79            | 9.25        | 54.0           | -24.21          | AV       | 127.10         | 100         | Horizontal | Pass    |
| 3   | 10877.500       | 41.72            | 11.12       | 74.0           | -32.28          | Peak     | 19.80          | 100         | Horizontal | Pass    |
| 3** | 10877.500       | 31.51            | 11.12       | 54.0           | -22.49          | AV       | 19.80          | 100         | Horizontal | Pass    |
| 4   | 11856.500       | 42.98            | 11.96       | 74.0           | -31.02          | Peak     | 19.80          | 100         | Horizontal | Pass    |
| 4** | 11856.500       | 32.78            | 11.96       | 54.0           | -21.22          | AV       | 19.80          | 100         | Horizontal | Pass    |
| 5   | 12483.500       | 44.25            | 12.14       | 74.0           | -29.75          | Peak     | 1.60           | 100         | Horizontal | Pass    |
| 5** | 12483.500       | 34.57            | 12.14       | 54.0           | -19.43          | AV       | 1.60           | 100         | Horizontal | Pass    |
| 6   | 17991.750       | 58.94            | 27.41       | 74.0           | -15.06          | Peak     | 185.20         | 100         | Horizontal | Pass    |
| 6** | 17991.750       | 48.52            | 27.41       | 54.0           | -5.48           | AV       | 185.20         | 100         | Horizontal | Pass    |

# TEST REPORT

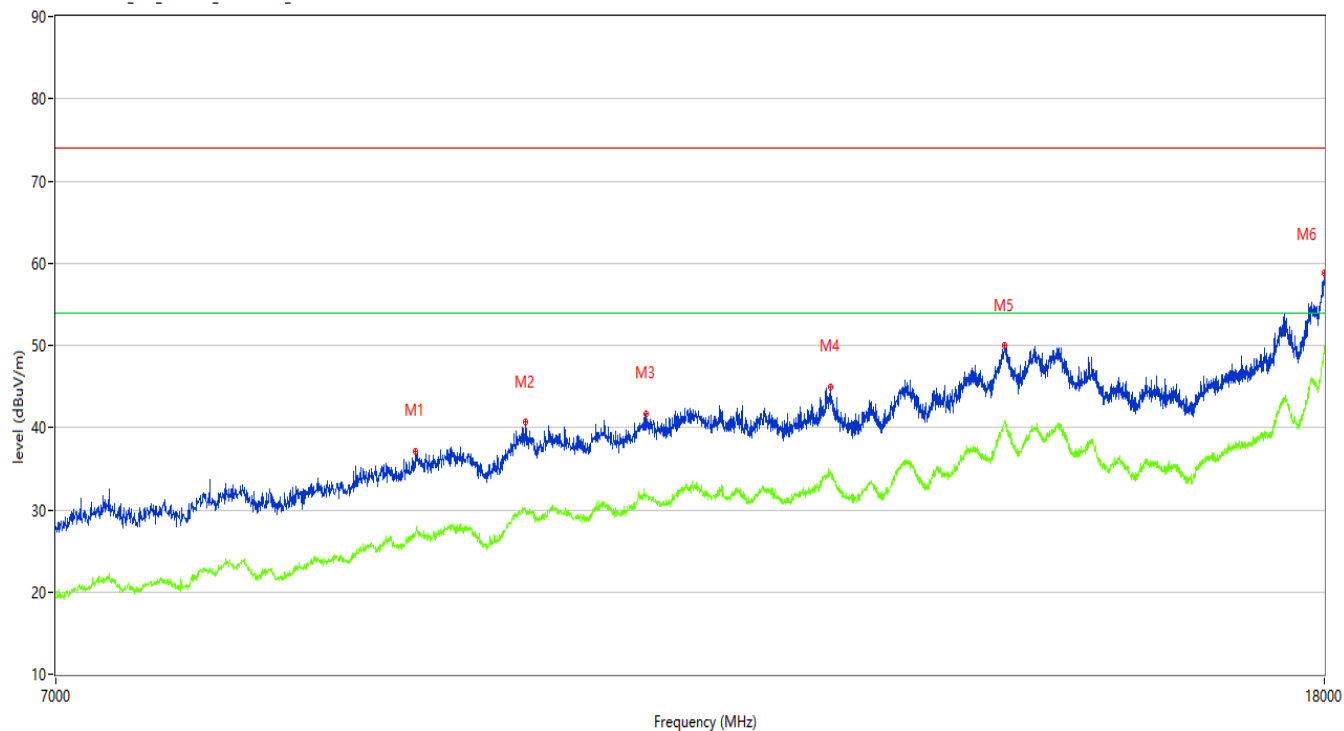
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Vertical polarization

REmission Test case\_FCC\_Part 15C\_FCC 15.247\_7GHz-18GHz



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 9150.500        | 37.02            | 7.34        | 74.0           | -36.98          | Peak     | 223.30         | 100         | Vertical | Pass    |
| 1** | 9150.500        | 26.92            | 7.34        | 54.0           | -27.08          | AV       | 223.30         | 100         | Vertical | Pass    |
| 2   | 9931.500        | 40.63            | 9.82        | 74.0           | -33.37          | Peak     | 329.80         | 100         | Vertical | Pass    |
| 2** | 9931.500        | 29.92            | 9.82        | 54.0           | -24.08          | AV       | 329.80         | 100         | Vertical | Pass    |
| 3   | 10863.750       | 41.74            | 11.12       | 74.0           | -32.26          | Peak     | 52.20          | 100         | Vertical | Pass    |
| 3** | 10863.750       | 31.81            | 11.12       | 54.0           | -22.19          | AV       | 52.20          | 100         | Vertical | Pass    |
| 4   | 12467.000       | 44.97            | 12.54       | 74.0           | -29.03          | Peak     | 179.00         | 100         | Vertical | Pass    |
| 4** | 12467.000       | 34.61            | 12.54       | 54.0           | -19.39          | AV       | 179.00         | 100         | Vertical | Pass    |
| 5   | 14185.750       | 49.98            | 19.69       | 74.0           | -24.02          | Peak     | 358.10         | 100         | Vertical | Pass    |
| 5** | 14185.750       | 40.62            | 19.69       | 54.0           | -13.38          | AV       | 358.10         | 100         | Vertical | Pass    |
| 6   | 17999.999       | 58.88            | 27.92       | 74.0           | -15.12          | Peak     | 340.60         | 100         | Vertical | Pass    |
| 6** | 17999.999       | 49.84            | 27.92       | 54.0           | -4.16           | AV       | 340.60         | 100         | Vertical | Pass    |

# TEST REPORT

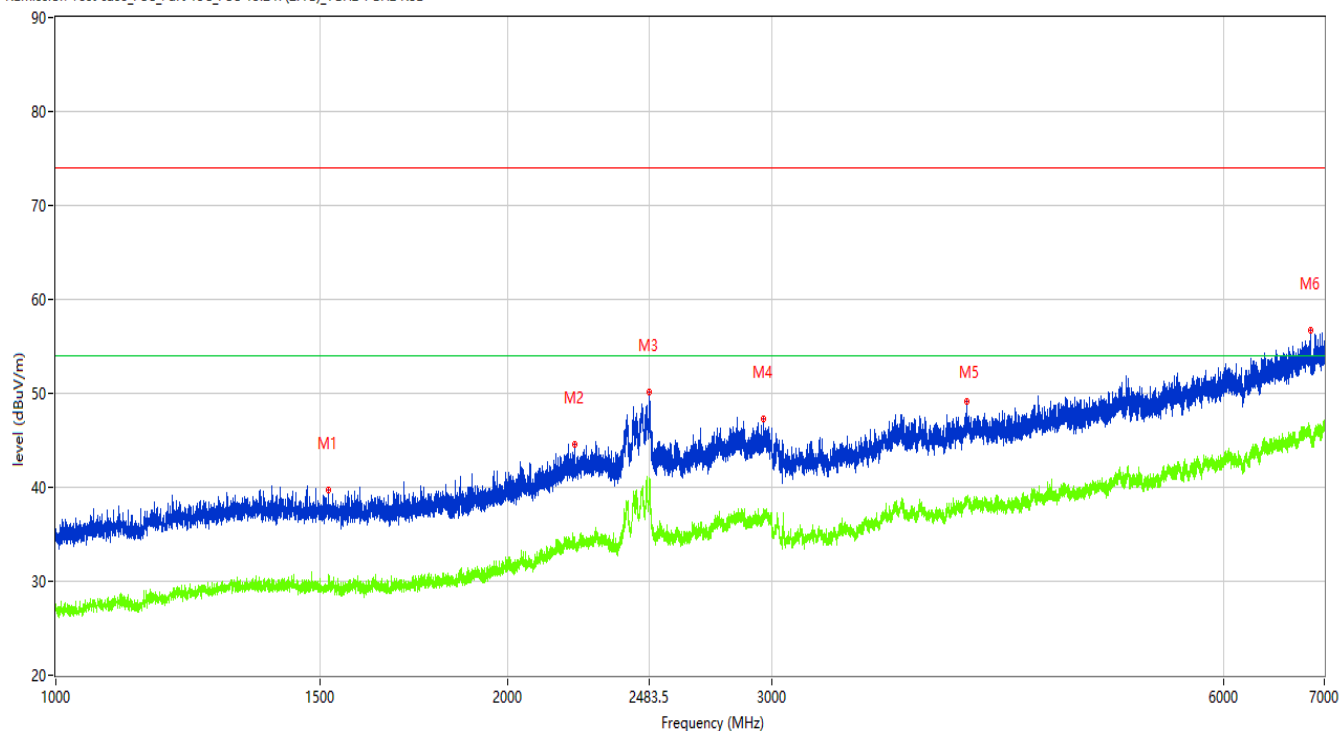
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**Figure 16: Radiated Emission, Zigbee, 2440MHz\_1GHz\_7GHz**  
Horizontal polarization

REmission Test case\_FCC\_Part 15C\_FCC 15.247(2.4G)\_1GHz-7GHz RSE



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1518.750        | 39.66            | -13.07      | 74.0           | -34.34          | Peak     | 53.30          | 100         | Horizontal | Pass    |
| 1** | 1518.750        | 29.35            | -13.07      | 54.0           | -24.65          | AV       | 53.30          | 100         | Horizontal | Pass    |
| 2   | 2216.250        | 44.64            | -8.17       | 74.0           | -29.36          | Peak     | 320.50         | 100         | Horizontal | Pass    |
| 2** | 2216.250        | 33.91            | -8.17       | 54.0           | -20.09          | AV       | 320.50         | 100         | Horizontal | Pass    |
| 3   | 2485.750        | 50.16            | -1.91       | 74.0           | -23.84          | Peak     | 274.70         | 100         | Horizontal | Pass    |
| 3** | 2485.750        | 40.40            | -1.91       | 54.0           | -13.60          | AV       | 274.70         | 100         | Horizontal | Pass    |
| 4   | 2962.250        | 47.27            | -3.40       | 74.0           | -26.73          | Peak     | 42.90          | 100         | Horizontal | Pass    |
| 4** | 2962.250        | 37.04            | -3.40       | 54.0           | -16.96          | AV       | 42.90          | 100         | Horizontal | Pass    |
| 5   | 4043.000        | 49.13            | -0.89       | 74.0           | -24.87          | Peak     | 265.50         | 100         | Horizontal | Pass    |
| 5** | 4043.000        | 38.26            | -0.89       | 54.0           | -15.74          | AV       | 265.50         | 100         | Horizontal | Pass    |
| 6   | 6852.000        | 56.73            | 5.04        | 74.0           | -17.27          | Peak     | 265.50         | 100         | Horizontal | Pass    |
| 6** | 6852.000        | 45.45            | 5.04        | 54.0           | -8.55           | AV       | 265.50         | 100         | Horizontal | Pass    |

# TEST REPORT

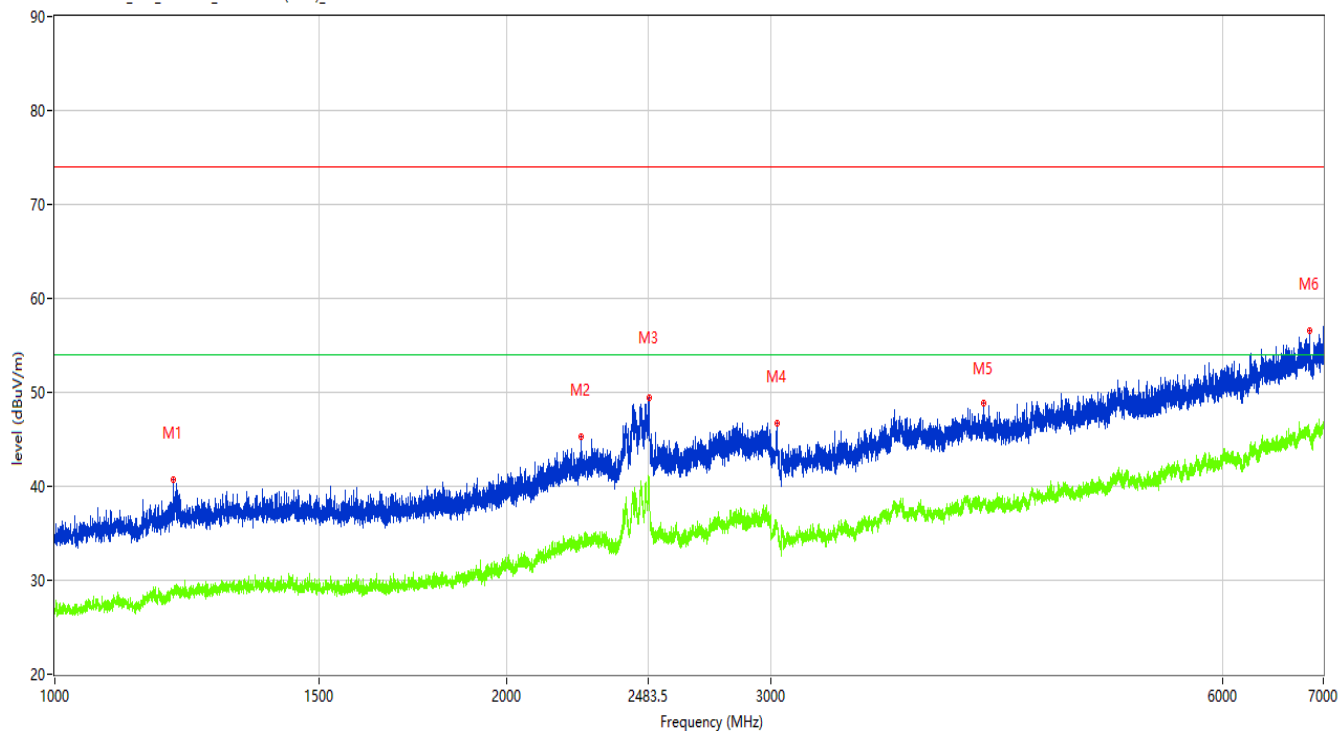
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## Vertical polarization

REmission Test case\_FCC\_Part 15C\_FCC 15.247(2.4G)\_1GHz-7GHz RSE



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1199.500        | 40.69            | -13.52      | 74.0           | -33.31          | Peak     | 111.30         | 100         | Vertical | Pass    |
| 1** | 1199.500        | 28.65            | -13.52      | 54.0           | -25.35          | AV       | 111.30         | 100         | Vertical | Pass    |
| 2   | 2240.750        | 45.28            | -8.03       | 74.0           | -28.72          | Peak     | 166.80         | 100         | Vertical | Pass    |
| 2** | 2240.750        | 34.25            | -8.03       | 54.0           | -19.75          | AV       | 166.80         | 100         | Vertical | Pass    |
| 3   | 2487.000        | 49.39            | -1.89       | 74.0           | -24.61          | Peak     | 360.00         | 100         | Vertical | Pass    |
| 3** | 2487.000        | 41.01            | -1.89       | 54.0           | -12.99          | AV       | 360.00         | 100         | Vertical | Pass    |
| 4   | 3029.000        | 46.67            | -4.38       | 74.0           | -27.33          | Peak     | 34.80          | 100         | Vertical | Pass    |
| 4** | 3029.000        | 35.49            | -4.38       | 54.0           | -18.51          | AV       | 34.80          | 100         | Vertical | Pass    |
| 5   | 4159.500        | 48.85            | -1.35       | 74.0           | -25.15          | Peak     | 152.00         | 100         | Vertical | Pass    |
| 5** | 4159.500        | 38.23            | -1.35       | 54.0           | -15.77          | AV       | 152.00         | 100         | Vertical | Pass    |
| 6   | 6857.500        | 56.57            | 5.05        | 74.0           | -17.43          | Peak     | 360.00         | 100         | Vertical | Pass    |
| 6** | 6857.500        | 45.13            | 5.05        | 54.0           | -8.87           | AV       | 360.00         | 100         | Vertical | Pass    |

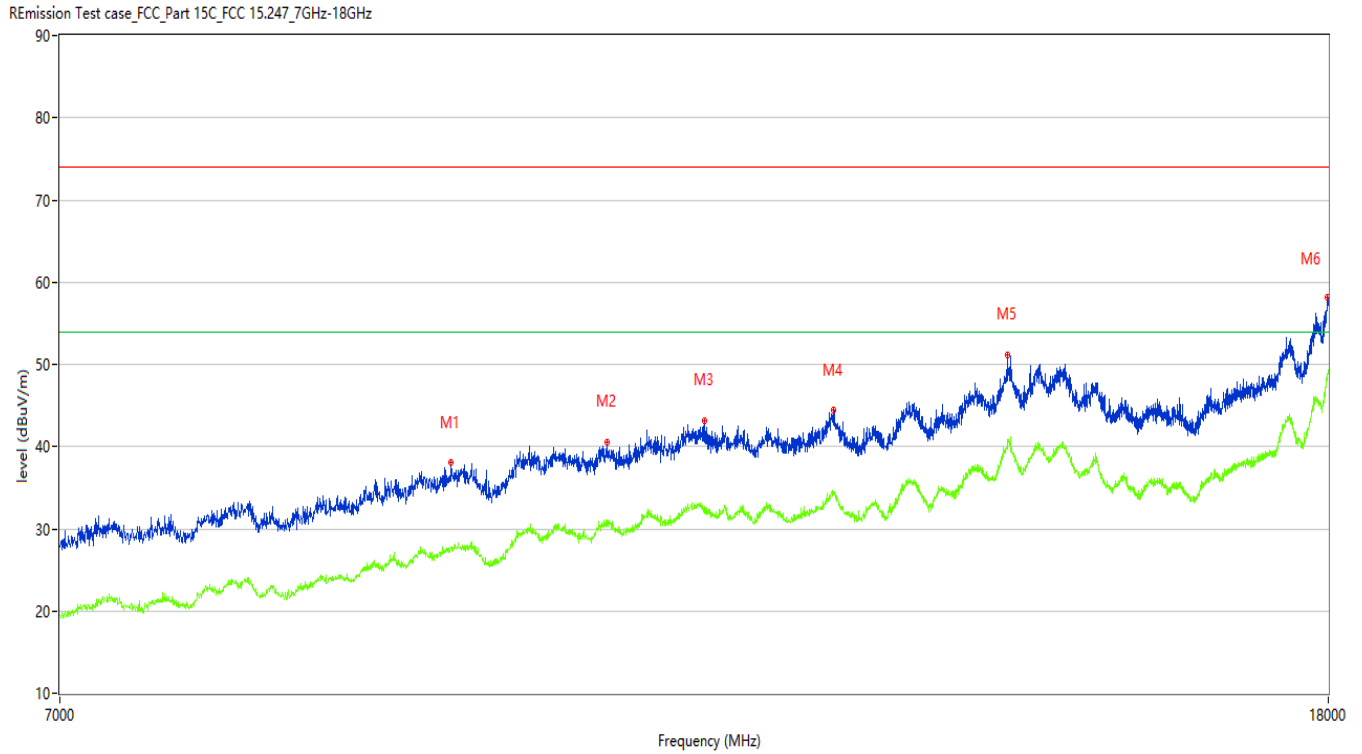
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**Figure 17: Radiated Emission, Zigbee, 2440MHz\_7GHz\_18GHz**  
Horizontal polarization



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 9367.750        | 38.04            | 7.59        | 74.0           | -35.96          | Peak     | 179.50         | 100         | Horizontal | Pass    |
| 1** | 9367.750        | 27.74            | 7.59        | 54.0           | -26.26          | AV       | 179.50         | 100         | Horizontal | Pass    |
| 2   | 10522.750       | 40.51            | 10.21       | 74.0           | -33.49          | Peak     | 261.40         | 100         | Horizontal | Pass    |
| 2** | 10522.750       | 30.53            | 10.21       | 54.0           | -23.47          | AV       | 261.40         | 100         | Horizontal | Pass    |
| 3   | 11309.250       | 43.17            | 12.20       | 74.0           | -30.83          | Peak     | 155.30         | 100         | Horizontal | Pass    |
| 3** | 11309.250       | 32.34            | 12.20       | 54.0           | -21.66          | AV       | 155.30         | 100         | Horizontal | Pass    |
| 4   | 12455.999       | 44.37            | 12.53       | 74.0           | -29.63          | Peak     | 18.60          | 100         | Horizontal | Pass    |
| 4** | 12455.999       | 34.45            | 12.53       | 54.0           | -19.55          | AV       | 18.60          | 100         | Horizontal | Pass    |
| 5   | 14174.750       | 51.21            | 19.34       | 74.0           | -22.79          | Peak     | 331.00         | 100         | Horizontal | Pass    |
| 5** | 14174.750       | 40.25            | 19.34       | 54.0           | -13.75          | AV       | 331.00         | 100         | Horizontal | Pass    |
| 6   | 17991.750       | 58.17            | 27.41       | 74.0           | -15.83          | Peak     | 331.00         | 100         | Horizontal | Pass    |
| 6** | 17991.750       | 48.91            | 27.41       | 54.0           | -5.09           | AV       | 331.00         | 100         | Horizontal | Pass    |

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Vertical polarization

REmission Test case\_FCC\_Part 15C\_FCC 15.247\_7GHz-18GHz



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 9395.250        | 38.32            | 7.66        | 74.0           | -35.68          | Peak     | 282.10         | 100         | Vertical | Pass    |
| 1** | 9395.250        | 28.56            | 7.66        | 54.0           | -25.44          | AV       | 282.10         | 100         | Vertical | Pass    |
| 2   | 10071.750       | 39.85            | 9.33        | 74.0           | -34.15          | Peak     | 67.40          | 100         | Vertical | Pass    |
| 2** | 10071.750       | 28.95            | 9.33        | 54.0           | -25.05          | AV       | 67.40          | 100         | Vertical | Pass    |
| 3   | 11246.000       | 42.80            | 11.84       | 74.0           | -31.20          | Peak     | 196.90         | 100         | Vertical | Pass    |
| 3** | 11246.000       | 32.89            | 11.84       | 54.0           | -21.11          | AV       | 196.90         | 100         | Vertical | Pass    |
| 4   | 12450.500       | 44.46            | 12.51       | 74.0           | -29.54          | Peak     | 354.60         | 100         | Vertical | Pass    |
| 4** | 12450.500       | 34.93            | 12.51       | 54.0           | -19.07          | AV       | 354.60         | 100         | Vertical | Pass    |
| 5   | 14471.750       | 50.44            | 17.88       | 74.0           | -23.56          | Peak     | 10.50          | 100         | Vertical | Pass    |
| 5** | 14471.750       | 39.64            | 17.88       | 54.0           | -14.36          | AV       | 10.50          | 100         | Vertical | Pass    |
| 6   | 17977.999       | 58.24            | 26.56       | 74.0           | -15.76          | Peak     | 319.70         | 100         | Vertical | Pass    |
| 6** | 17977.999       | 47.54            | 26.56       | 54.0           | -6.46           | AV       | 319.70         | 100         | Vertical | Pass    |

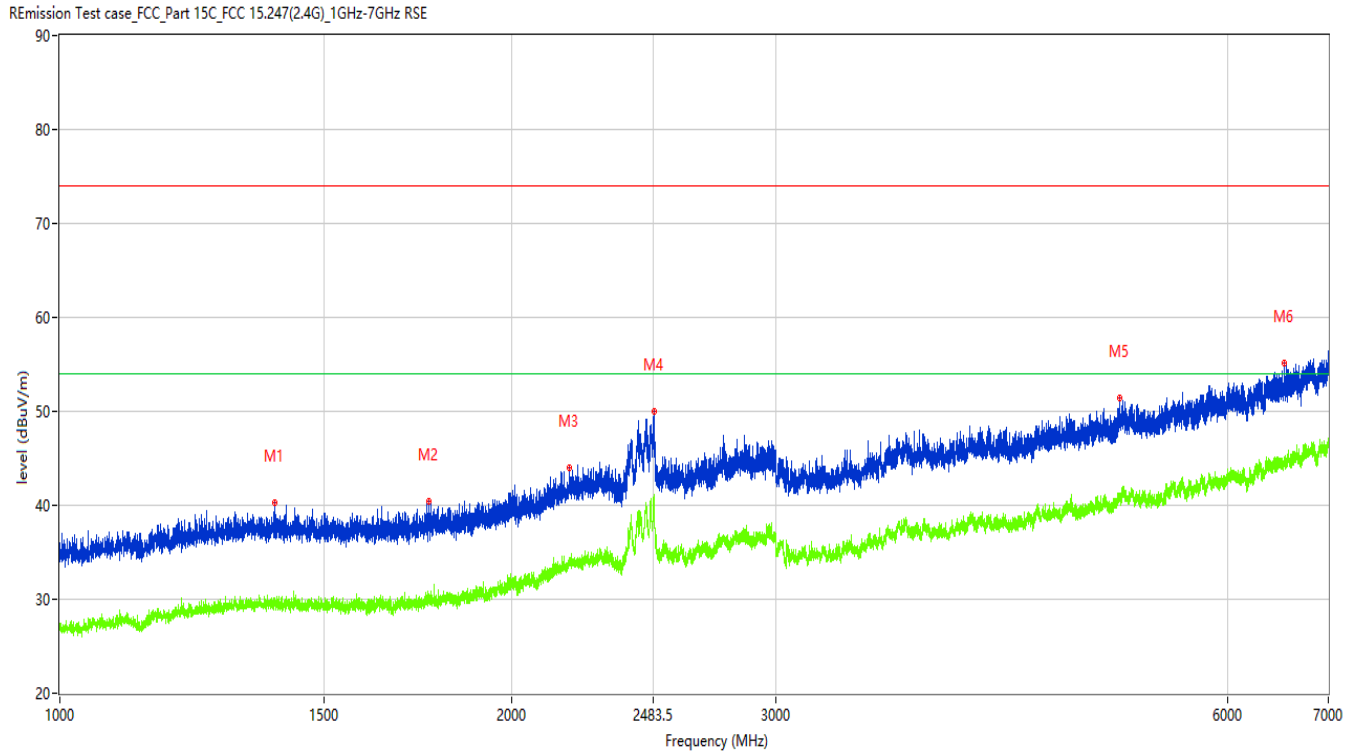
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**Figure 18: Radiated Emission, Zigbee, 2480MHz\_1GHz\_7GHz**  
Horizontal polarization



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1389.750        | 40.32            | -12.71      | 74.0           | -33.68          | Peak     | 121.10         | 100         | Horizontal | Pass    |
| 1** | 1389.750        | 29.91            | -12.71      | 54.0           | -24.09          | AV       | 121.10         | 100         | Horizontal | Pass    |
| 2   | 1761.000        | 40.38            | -12.28      | 74.0           | -33.62          | Peak     | 256.60         | 100         | Horizontal | Pass    |
| 2** | 1761.000        | 30.51            | -12.28      | 54.0           | -23.49          | AV       | 256.60         | 100         | Horizontal | Pass    |
| 3   | 2184.500        | 43.94            | -8.11       | 74.0           | -30.06          | Peak     | 281.90         | 100         | Horizontal | Pass    |
| 3** | 2184.500        | 34.38            | -8.11       | 54.0           | -19.62          | AV       | 281.90         | 100         | Horizontal | Pass    |
| 4   | 2488.250        | 49.99            | -1.88       | 74.0           | -24.01          | Peak     | 98.40          | 100         | Horizontal | Pass    |
| 4** | 2488.250        | 41.17            | -1.88       | 54.0           | -12.83          | AV       | 98.40          | 100         | Horizontal | Pass    |
| 5   | 5079.000        | 51.41            | 1.09        | 74.0           | -22.59          | Peak     | 4.40           | 100         | Horizontal | Pass    |
| 5** | 5079.000        | 40.55            | 1.09        | 54.0           | -13.45          | AV       | 4.40           | 100         | Horizontal | Pass    |
| 6   | 6541.000        | 55.09            | 4.15        | 74.0           | -18.91          | Peak     | 96.20          | 100         | Horizontal | Pass    |
| 6** | 6541.000        | 44.23            | 4.15        | 54.0           | -9.77           | AV       | 96.20          | 100         | Horizontal | Pass    |

# TEST REPORT

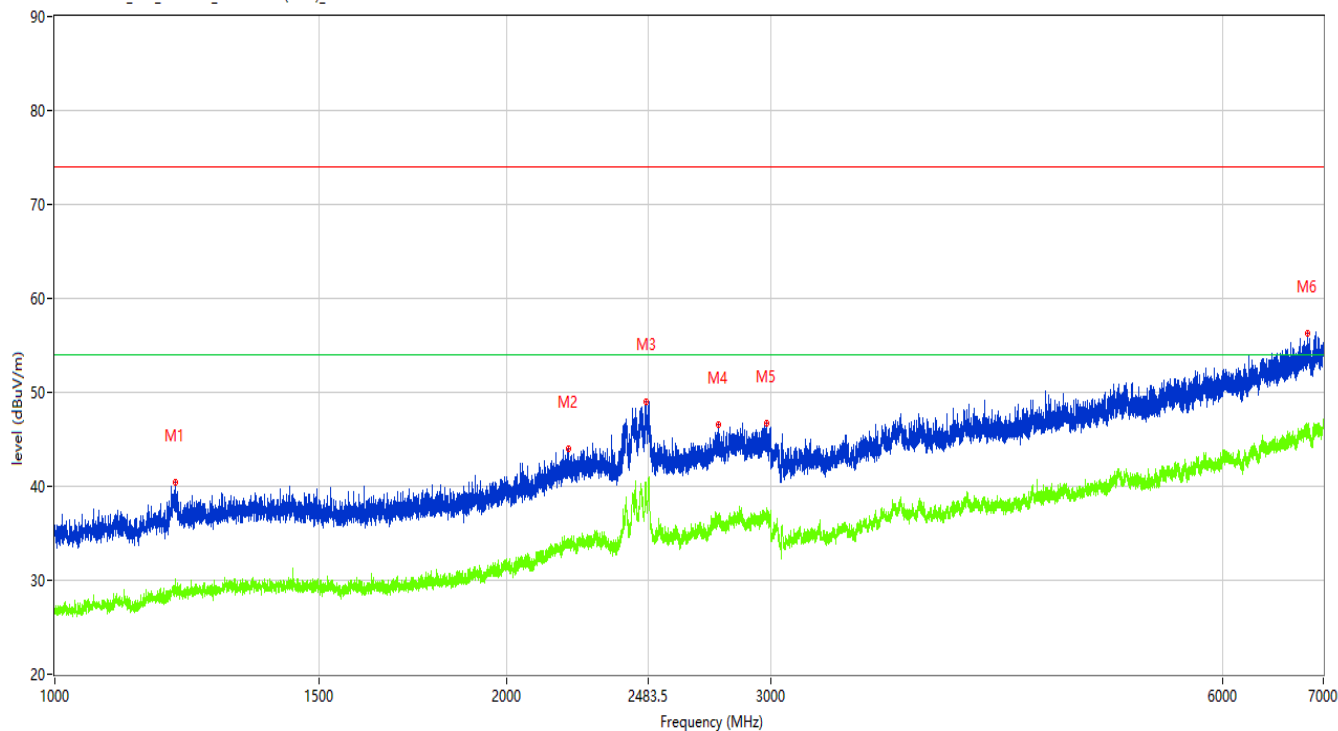
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Vertical polarization

REmission Test case\_FCC\_Part 15C\_FCC 15.247(2.4G)\_1GHz-7GHz RSE



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1203.750        | 40.39            | -13.57      | 74.0           | -33.61          | Peak     | 165.00         | 100         | Vertical | Pass    |
| 1** | 1203.750        | 28.89            | -13.57      | 54.0           | -25.11          | AV       | 165.00         | 100         | Vertical | Pass    |
| 2   | 2199.500        | 44.01            | -7.93       | 74.0           | -29.99          | Peak     | 153.80         | 100         | Vertical | Pass    |
| 2** | 2199.500        | 34.39            | -7.93       | 54.0           | -19.61          | AV       | 153.80         | 100         | Vertical | Pass    |
| 3   | 2475.000        | 49.05            | -2.14       | 74.0           | -24.95          | Peak     | 298.20         | 100         | Vertical | Pass    |
| 3** | 2475.000        | 40.26            | -2.14       | 54.0           | -13.74          | AV       | 298.20         | 100         | Vertical | Pass    |
| 4   | 2767.750        | 46.51            | -4.63       | 74.0           | -27.49          | Peak     | 39.90          | 100         | Vertical | Pass    |
| 4** | 2767.750        | 36.04            | -4.63       | 54.0           | -17.96          | AV       | 39.90          | 100         | Vertical | Pass    |
| 5   | 2978.000        | 46.64            | -3.23       | 74.0           | -27.36          | Peak     | 119.60         | 100         | Vertical | Pass    |
| 5** | 2978.000        | 37.68            | -3.23       | 54.0           | -16.32          | AV       | 119.60         | 100         | Vertical | Pass    |
| 6   | 6829.500        | 56.25            | 5.09        | 74.0           | -17.75          | Peak     | 21.80          | 100         | Vertical | Pass    |
| 6** | 6829.500        | 46.51            | 5.09        | 54.0           | -7.49           | AV       | 21.80          | 100         | Vertical | Pass    |

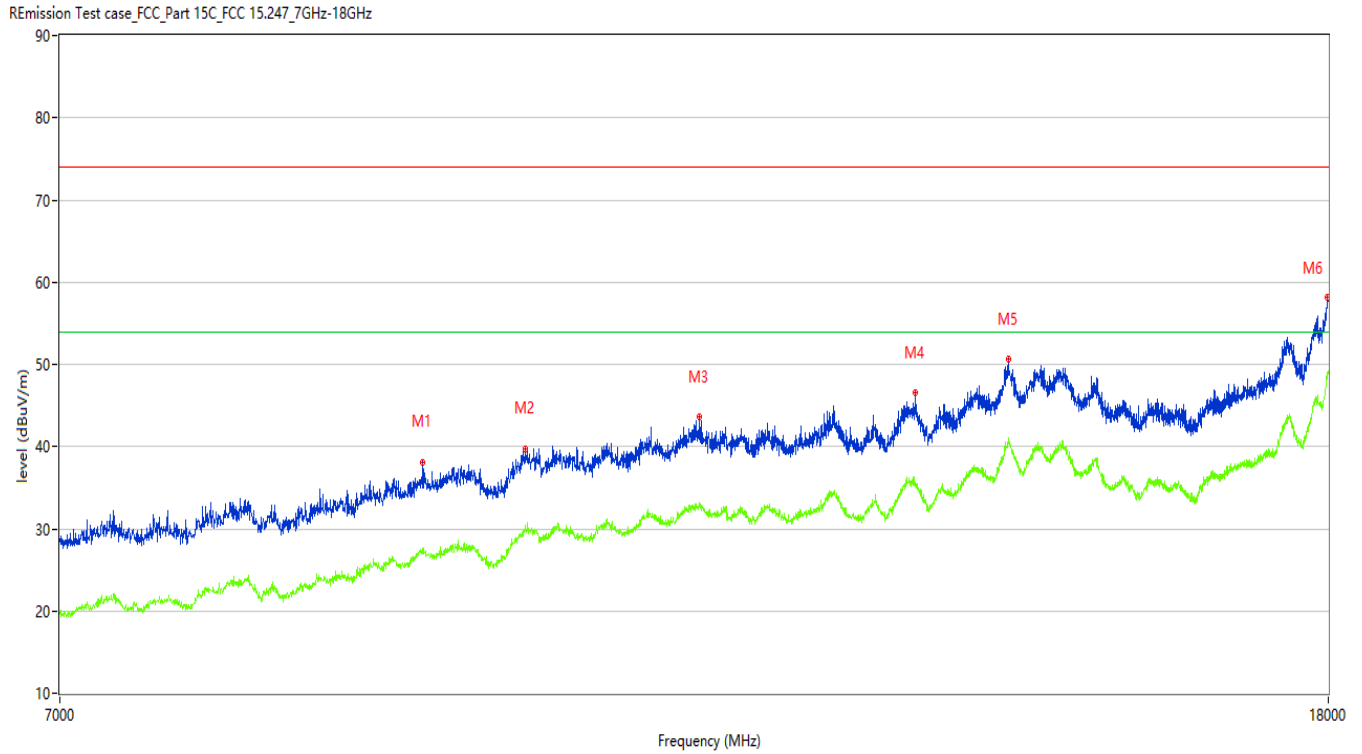
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**Figure 19: Radiated Emission, Zigbee, 2480MHz\_7GHz\_18GHz**  
Horizontal polarization



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 9169.750        | 38.11            | 7.29        | 74.0           | -35.89          | Peak     | 1.70           | 100         | Horizontal | Pass    |
| 1** | 9169.750        | 27.42            | 7.29        | 54.0           | -26.58          | AV       | 1.70           | 100         | Horizontal | Pass    |
| 2   | 9901.250        | 39.76            | 9.72        | 74.0           | -34.24          | Peak     | 1.70           | 100         | Horizontal | Pass    |
| 2** | 9901.250        | 30.43            | 9.72        | 54.0           | -23.57          | AV       | 1.70           | 100         | Horizontal | Pass    |
| 3   | 11268.000       | 43.56            | 12.13       | 74.0           | -30.44          | Peak     | 348.50         | 100         | Horizontal | Pass    |
| 3** | 11268.000       | 32.77            | 12.13       | 54.0           | -21.23          | AV       | 348.50         | 100         | Horizontal | Pass    |
| 4   | 13234.250       | 46.50            | 14.18       | 74.0           | -27.50          | Peak     | 313.10         | 100         | Horizontal | Pass    |
| 4** | 13234.250       | 35.60            | 14.18       | 54.0           | -18.40          | AV       | 313.10         | 100         | Horizontal | Pass    |
| 5   | 14188.500       | 50.59            | 19.75       | 74.0           | -23.41          | Peak     | 1.70           | 100         | Horizontal | Pass    |
| 5** | 14188.500       | 40.94            | 19.75       | 54.0           | -13.06          | AV       | 1.70           | 100         | Horizontal | Pass    |
| 6   | 17988.999       | 58.09            | 27.24       | 74.0           | -15.91          | Peak     | 114.90         | 100         | Horizontal | Pass    |
| 6** | 17988.999       | 48.44            | 27.24       | 54.0           | -5.56           | AV       | 114.90         | 100         | Horizontal | Pass    |

# TEST REPORT

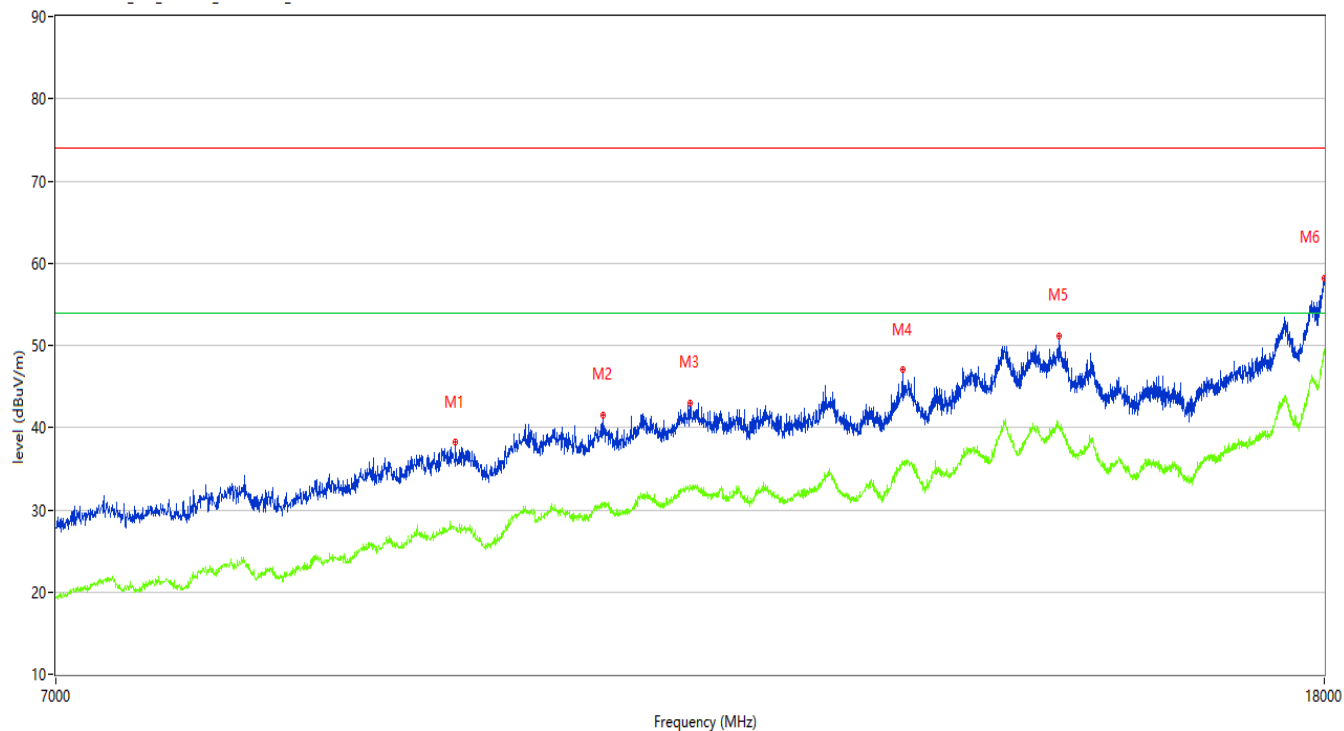
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Vertical polarization

REmission Test case\_FCC\_Part 15C\_FCC 15.247\_7GHz-18GHz



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 9425.500        | 38.16            | 7.62        | 74.0           | -35.84          | Peak     | 59.60          | 100         | Vertical | Pass    |
| 1** | 9425.500        | 27.57            | 7.62        | 54.0           | -26.43          | AV       | 59.60          | 100         | Vertical | Pass    |
| 2   | 10517.250       | 41.48            | 10.16       | 74.0           | -32.52          | Peak     | 106.80         | 100         | Vertical | Pass    |
| 2** | 10517.250       | 30.56            | 10.16       | 54.0           | -23.44          | AV       | 106.80         | 100         | Vertical | Pass    |
| 3   | 11226.750       | 42.93            | 11.58       | 74.0           | -31.07          | Peak     | 0.00           | 100         | Vertical | Pass    |
| 3** | 11226.750       | 32.66            | 11.58       | 54.0           | -21.34          | AV       | 0.00           | 100         | Vertical | Pass    |
| 4   | 13149.000       | 47.06            | 13.97       | 74.0           | -26.94          | Peak     | 177.50         | 100         | Vertical | Pass    |
| 4** | 13149.000       | 35.54            | 13.97       | 54.0           | -18.46          | AV       | 177.50         | 100         | Vertical | Pass    |
| 5   | 14777.000       | 51.10            | 18.67       | 74.0           | -22.90          | Peak     | 166.00         | 100         | Vertical | Pass    |
| 5** | 14777.000       | 40.05            | 18.67       | 54.0           | -13.95          | AV       | 166.00         | 100         | Vertical | Pass    |
| 6   | 17994.500       | 58.14            | 27.58       | 74.0           | -15.86          | Peak     | 117.60         | 100         | Vertical | Pass    |
| 6** | 17994.500       | 48.85            | 27.58       | 54.0           | -5.15           | AV       | 117.60         | 100         | Vertical | Pass    |

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## 4.1.7 Band Edge (Restricted-band band-edge)

RESULT:

**PASS**

|                   |                                                           |
|-------------------|-----------------------------------------------------------|
| Test standard     | : FCC Part 15.247(d), 15.205, 15.209                      |
| Requirement       | : ANSI C63.10-2013 clause 11.13,<br>KDB 558074 clause 8.7 |
| Kind of test site | : 3m Semi-Anechoic Chamber                                |

### Test setup

|                     |            |
|---------------------|------------|
| Test Channel        | : Low/High |
| Operation Mode      | : A.1      |
| Ambient temperature | : 23.9°C   |
| Relative humidity   | : 52%      |

# TEST REPORT

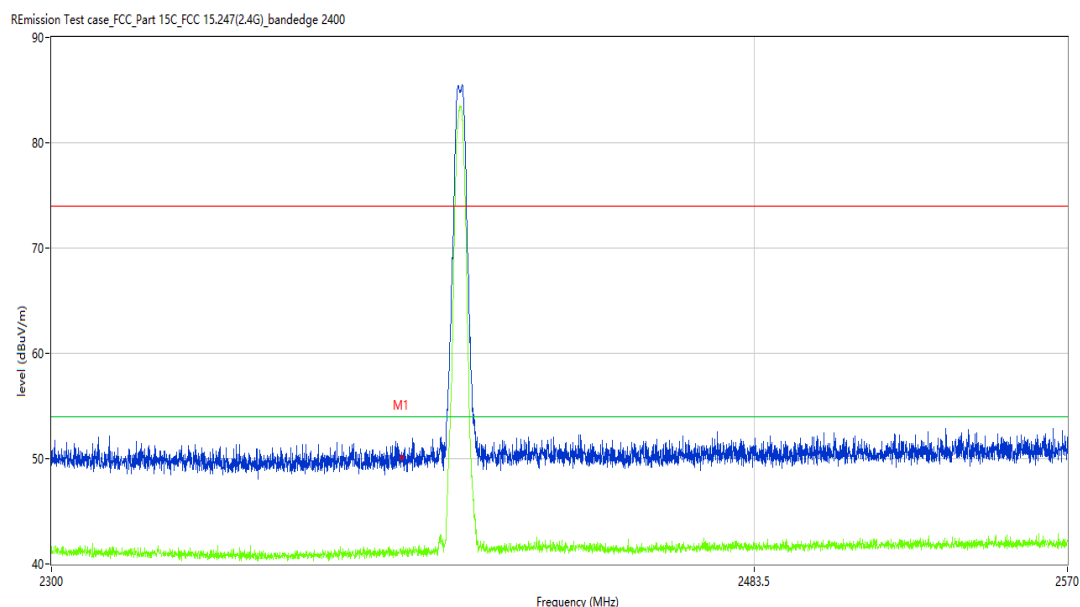
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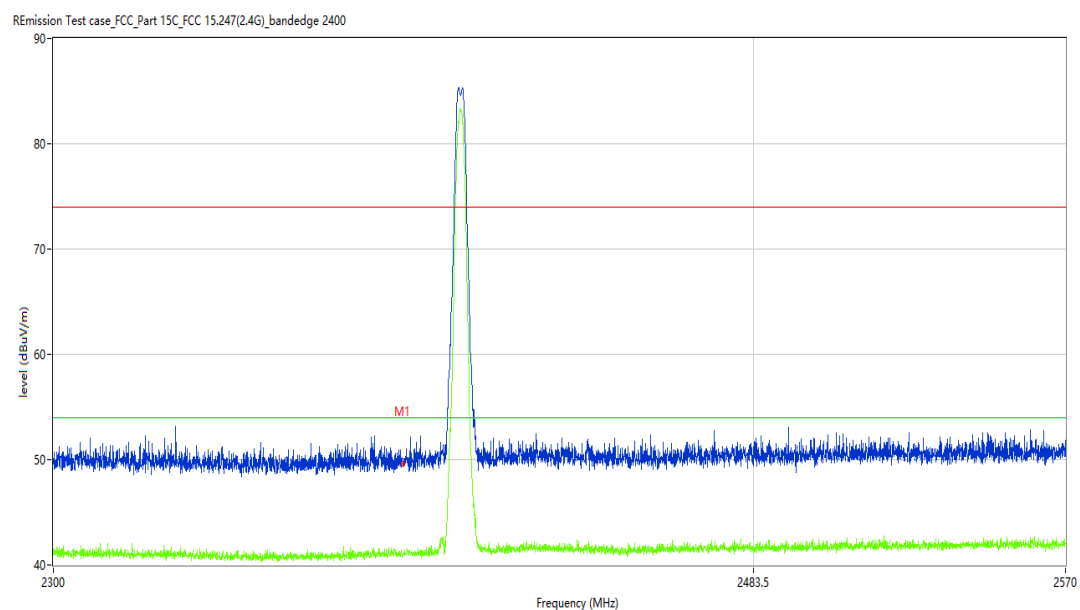
**Figure 20: Band Edge, Zigbee, 2405MHz**

Horizontal polarization



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 2390.000        | 49.99            | -9.96       | 74.0           | -24.01          | Peak     | 112.67         | 100         | Horizontal | Pass    |
| 1** | 2390.000        | 41.31            | -9.96       | 54.0           | -12.69          | AV       | 112.67         | 100         | Horizontal | Pass    |

Vertical polarization



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 2390.000        | 49.57            | -9.96       | 74.0           | -24.43          | Peak     | 200.42         | 100         | Vertical | Pass    |
| 1** | 2390.000        | 40.96            | -9.96       | 54.0           | -13.04          | AV       | 200.42         | 100         | Vertical | Pass    |

# TEST REPORT

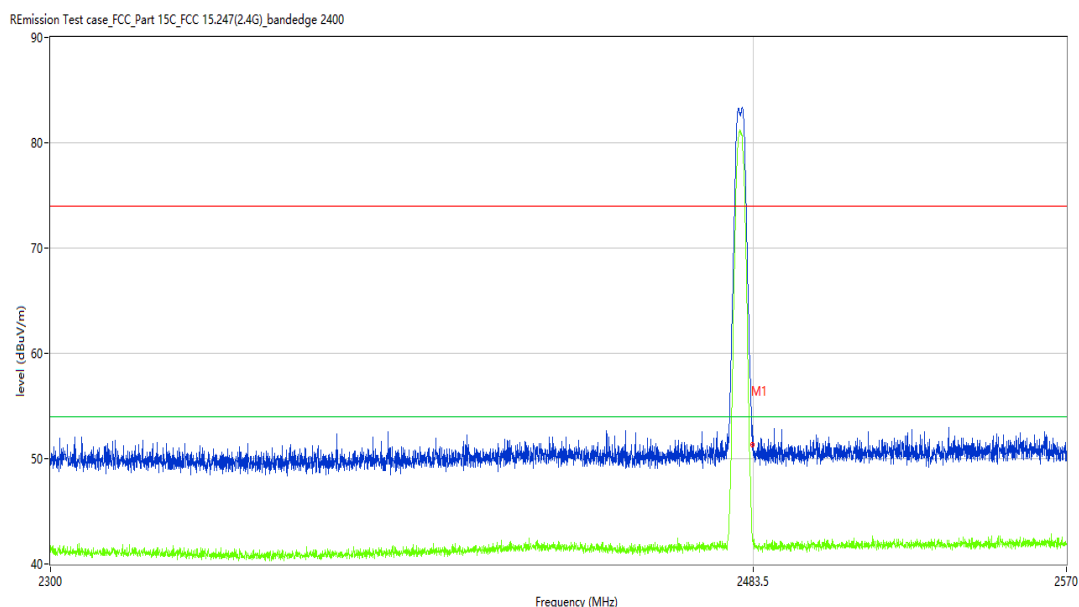
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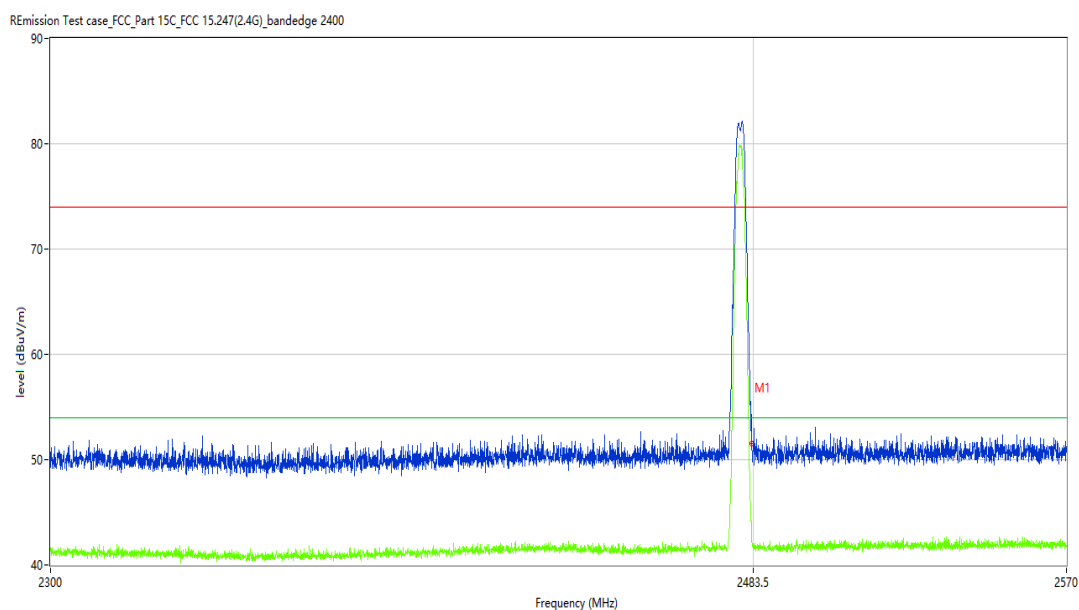
**Figure 21: Band Edge, Zigbee, 2480MHz**

Horizontal polarization



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 2483.500        | 51.19            | -9.51       | 74.0           | -22.81          | Peak     | 309.70         | 100         | Horizontal | Pass    |
| 1** | 2483.500        | 42.05            | -9.51       | 54.0           | -11.95          | AV       | 309.70         | 100         | Horizontal | Pass    |

Vertical polarization



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 2483.500        | 51.32            | -9.51       | 74.0           | -22.68          | Peak     | 76.50          | 100         | Vertical | Pass    |
| 1** | 2483.500        | 41.74            | -9.51       | 54.0           | -12.26          | AV       | 76.50          | 100         | Vertical | Pass    |

# TEST REPORT

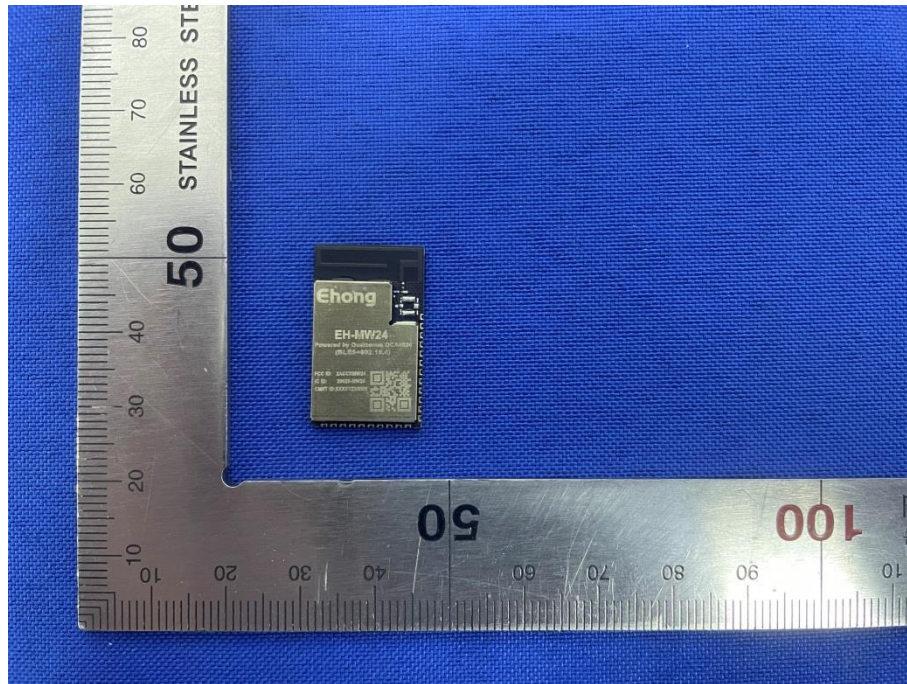
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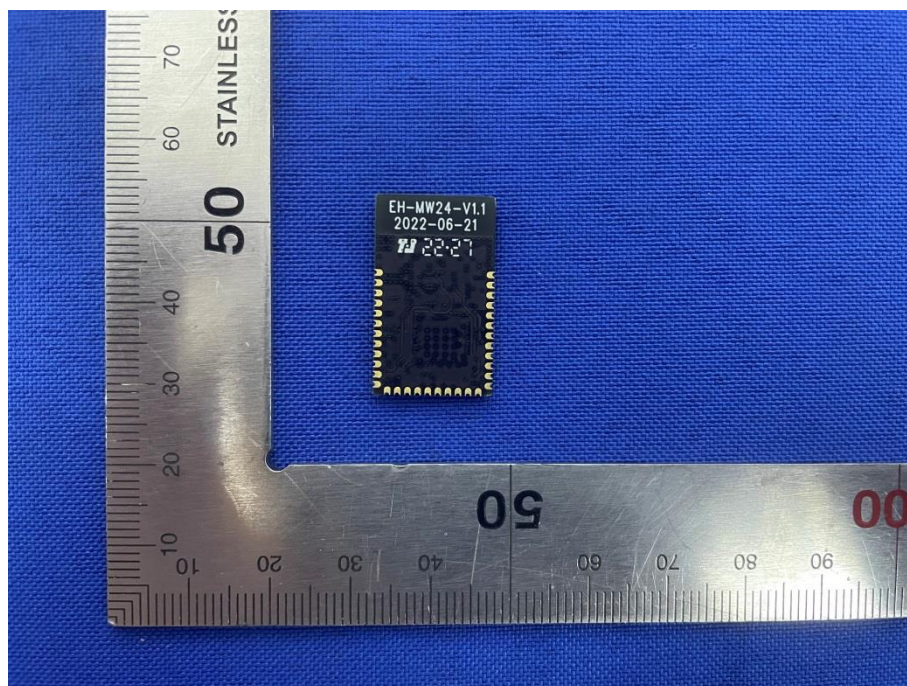
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## 5 Appendixes

### 5.1 Photographs of the Sample



Front of the sample



Rear of the sample

# TEST REPORT

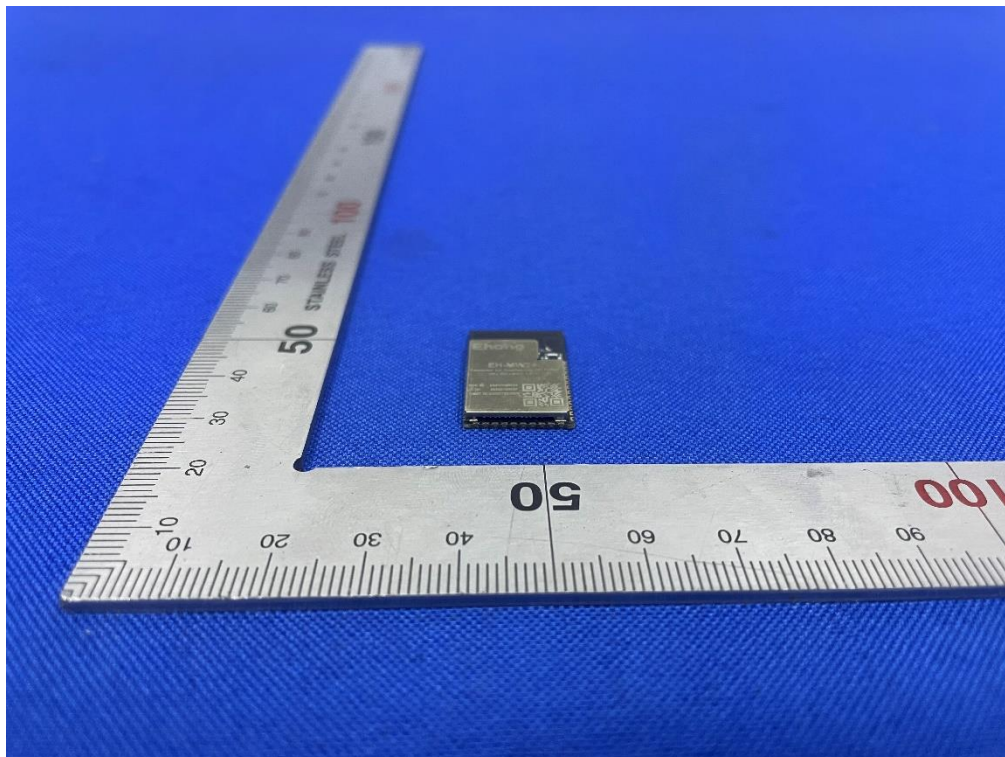
Report No.:

SHE22070069-02BE

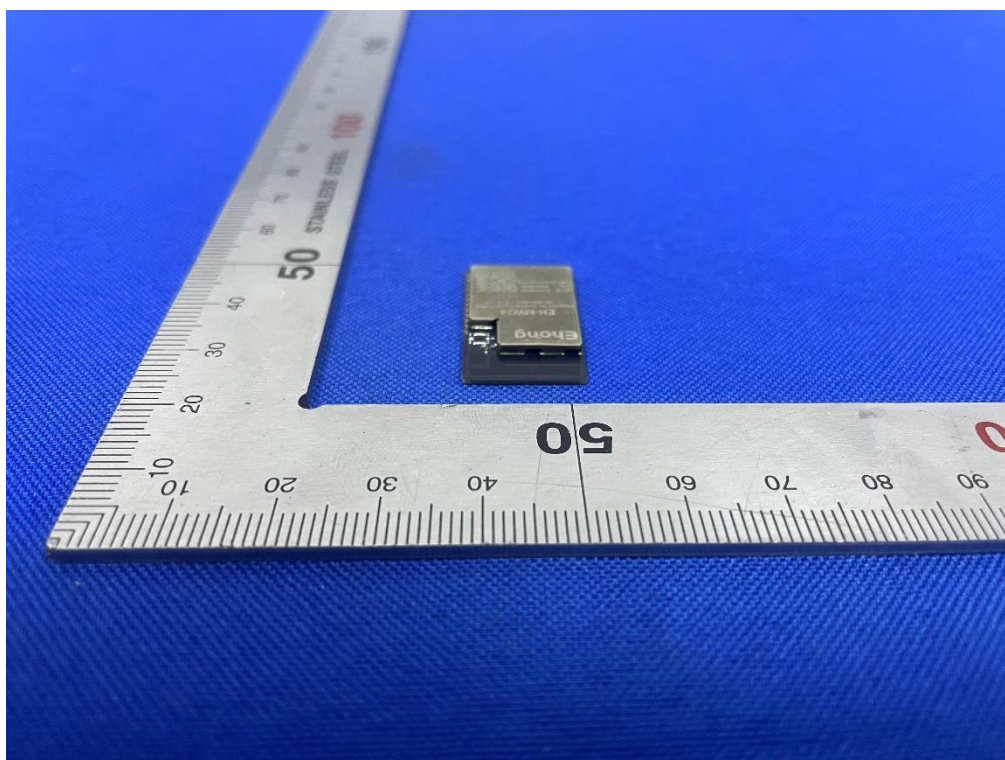
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Top of the sample



Bottom of the sample

# TEST REPORT

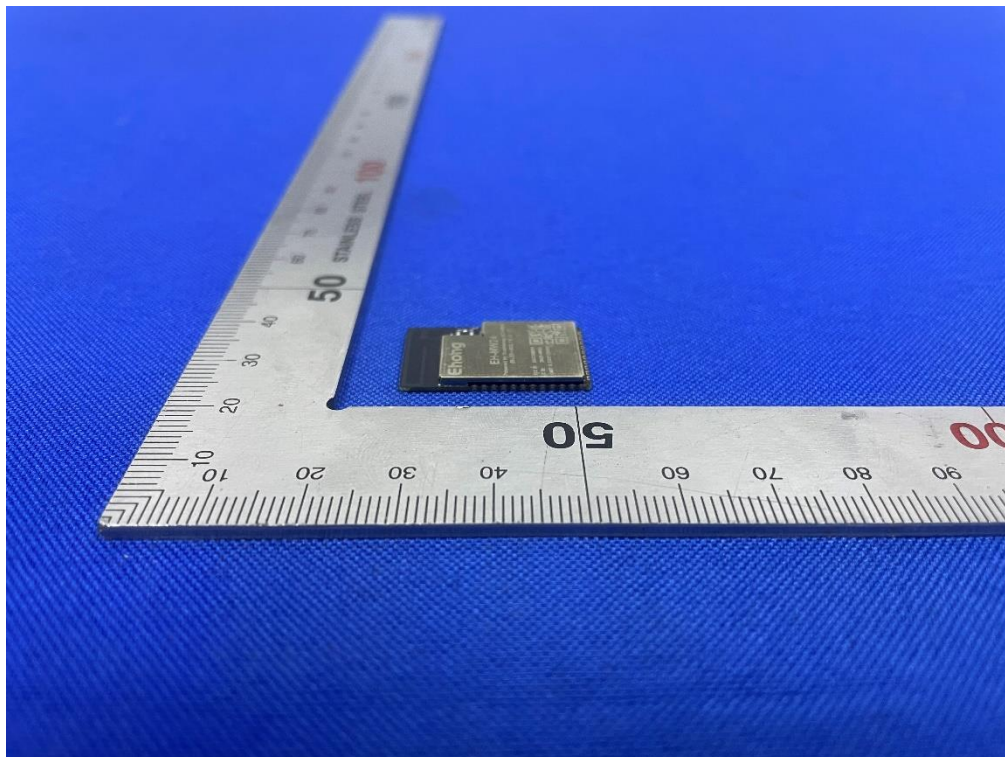
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SHE22070069-02BE

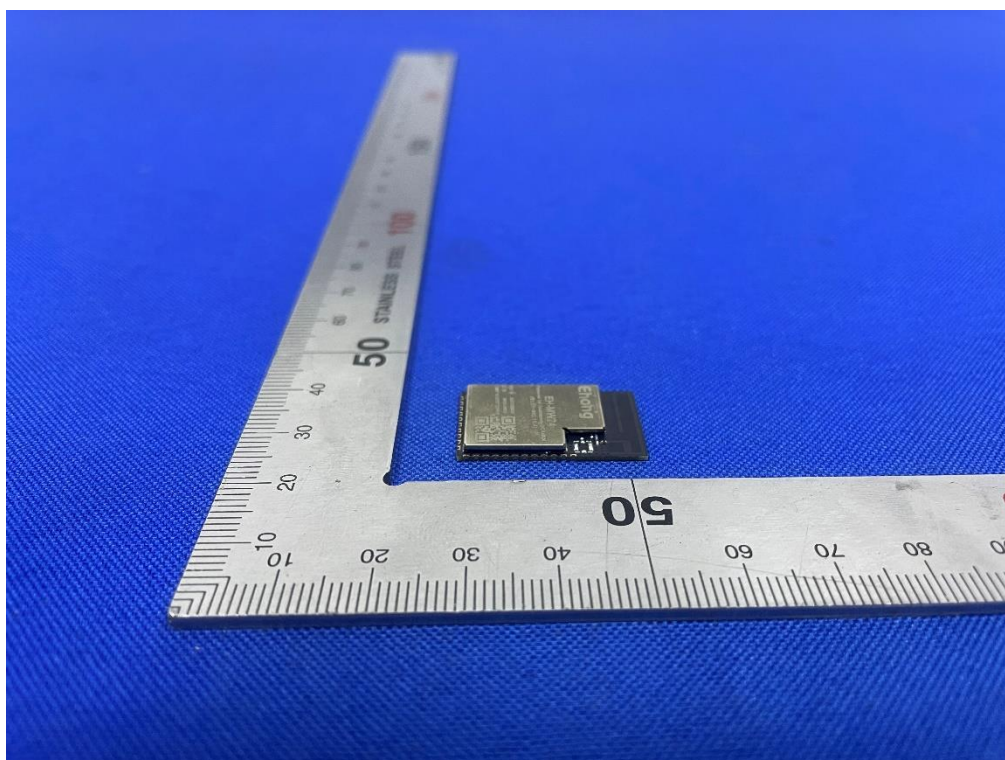
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Left of the sample



Right of the sample

# TEST REPORT

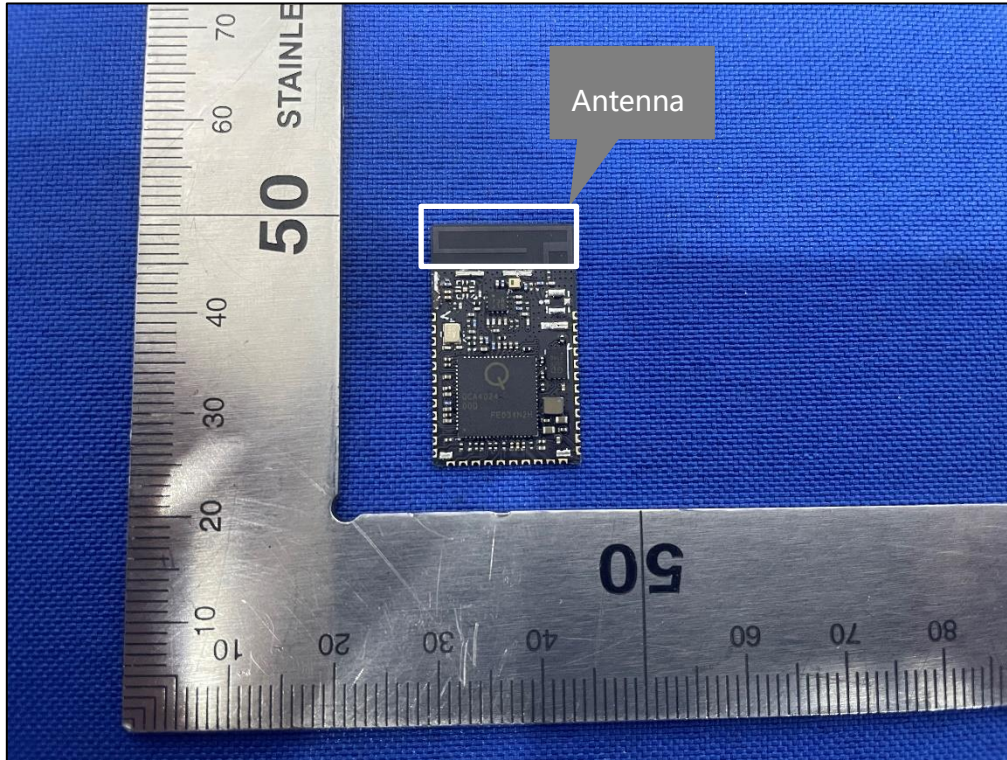
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SHE22070069-02BE

Date:

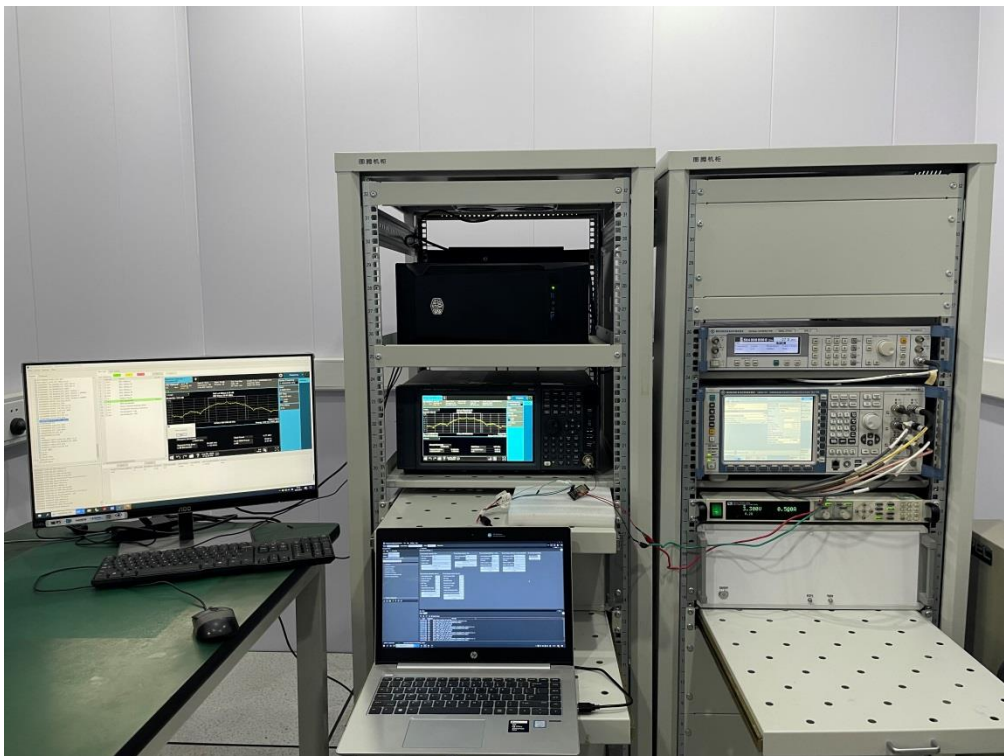
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Remove the shield cover

## 5.2 Set-up for Conducted RF test at Antenna Port



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## 5.3 Set-up for Spurious Emissions below 1GHz



## 5.4 Set-up for Spurious Emissions above 1GHz



\*\*\*End of the report\*\*\*