



# TEST Report

**Applicant:** Shenzhen Daping Computer CO., LTD

**Address of Applicant:** 405 Room, Floor 4, Xuming Science Park,  
1193 Guanguang Road, Guihua Community,  
Guanlan Street, Longhua District, Shenzhen

**Manufacturer :** Shenzhen Daping Computer CO., LTD

**Address of Manufacturer :** 405 Room, Floor 4, Xuming Science Park,  
1193 Guanguang Road, Guihua Community,  
Guanlan Street, Longhua District, Shenzhen

**Equipment Under Test (EUT)**

Product Name: Bluetooth temperature and humidity sensor

Model No.: DP-BT001

Series model: DP-BT002, DP-BT003, DP-BT004, DP-BT005, DP-BT006

Trade Mark: N/A

FCC ID: 2AYOK-DP-BT001

**Applicable standards:** FCC CFR Title 47 Part 15 Subpart C Section 15.247

**Date of sample receipt:** Feb.11,2022

**Date of Test:** Feb.11,2022~Feb.20,2022

**Date of report issued:** Feb.20,2022

**Test Result :** PASS \*

\* In the configuration tested, the EUT complied with the standards specified above.



Report No.: HTT202202056F01

## 1. Version

| Version No. | Date        | Description |
|-------------|-------------|-------------|
| 00          | Feb.20,2022 | Original    |
|             |             |             |
|             |             |             |
|             |             |             |
|             |             |             |

Tested/ Prepared By Ervin Xu Date: Feb.20,2022  
Project Engineer

Check By: Bruce Zhu Date: Feb.20,2022  
Reviewer

Approved By : Kevin Yang Date: Feb.20,2022  
Authorized Signature



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### 3. Test Summary

| Test Item                           | Section in CFR 47 | Result |
|-------------------------------------|-------------------|--------|
| Antenna requirement                 | 15.203/15.247 (c) | Pass   |
| AC Power Line Conducted Emission    | 15.207            | N/A    |
| Maximum peak conducted output power | 15.247 (b)(3)     | Pass   |
| Channel Bandwidth                   | 15.247 (a)(2)     | Pass   |
| Power Spectral Density              | 15.247 (e)        | Pass   |
| Band Edge                           | 15.247(d)         | Pass   |
| Spurious Emission                   | 15.205/15.209     | Pass   |

*Remarks:*

1. Pass: The EUT complies with the essential requirements in the standard.
2. Test according to ANSI C63.10:2013

#### Measurement Uncertainty

| Test Item             | Frequency Range | Measurement Uncertainty | Notes |
|-----------------------|-----------------|-------------------------|-------|
| Radiated Emission     | 30~1000MHz      | 3.45 dB                 | (1)   |
| Radiated Emission     | 1~6GHz          | 3.54 dB                 | (1)   |
| Radiated Emission     | 6~40GHz         | 5.38 dB                 | (1)   |
| Conducted Disturbance | 0.15~30MHz      | 2.66 dB                 | (1)   |

Note (1): The measurement uncertainty is for coverage factor of k=2 and a level of confidence of 95%.



## 4. General Information

### 4.1. General Description of EUT

|                     |                                                                  |
|---------------------|------------------------------------------------------------------|
| Product Name:       | Bluetooth temperature and humidity sensor                        |
| Model No.:          | DP-BT001                                                         |
| Series model:       | DP-BT002, DP-BT003, DP-BT004, DP-BT005, DP-BT006                 |
| Test sample(s) ID:  | HTT202202056-1(Engineer sample)<br>HTT202202056-2(Normal sample) |
| Operation frequency | 2402~2480 MHz                                                    |
| Number of Channels  | 40                                                               |
| Modulation Type     | GFSK                                                             |
| Channel separation  | 2MHz                                                             |
| Antenna Type:       | PCB Antenna                                                      |
| Antenna Gain:       | 0.89dBi                                                          |
| Power Supply:       | DC 3.0V/1000mAh Form Battery                                     |



| Channel | Frequency(MHz) | Channel | Frequency(MHz) |
|---------|----------------|---------|----------------|
| 0       | 2402           | 20      | 2442           |
| 1       | 2404           | 21      | 2444           |
| 2       | 2406           | 22      | 2446           |
| 3       | 2408           | 23      | 2448           |
| 4       | 2410           | 24      | 2450           |
| 5       | 2412           | 25      | 2452           |
| 6       | 2414           | 26      | 2454           |
| 7       | 2416           | 27      | 2456           |
| 8       | 2418           | 28      | 2458           |
| 9       | 2420           | 29      | 2460           |
| 10      | 2422           | 30      | 2462           |
| 11      | 2424           | 31      | 2464           |
| 12      | 2426           | 32      | 2466           |
| 13      | 2428           | 33      | 2468           |
| 14      | 2430           | 34      | 2470           |
| 15      | 2432           | 35      | 2472           |
| 16      | 2434           | 36      | 2474           |
| 17      | 2436           | 37      | 2476           |
| 18      | 2438           | 38      | 2478           |
| 19      | 2440           | 39      | 2480           |

Note:

In section 15.31(m), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

| Channel             | Frequency |
|---------------------|-----------|
| The lowest channel  | 2402MHz   |
| The middle channel  | 2440MHz   |
| The Highest channel | 2480MHz   |



#### 4.2. Test mode

|                                                                                                                                                                                                                                              |                                                 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|
| Transmitting mode                                                                                                                                                                                                                            | Keep the EUT in continuously transmitting mode. |
| <i>Remark: During the test, the test voltage was tuned from 85% to 115% of the nominal rated supply voltage, and found that the worst case was under the nominal rated supply condition. So the report just shows that condition's data.</i> |                                                 |

#### 4.3. Description of Support Units

|       |
|-------|
| None. |
|-------|

#### 4.4. Deviation from Standards

|       |
|-------|
| None. |
|-------|

#### 4.5. Abnormalities from Standard Conditions

|       |
|-------|
| None. |
|-------|

#### 4.6. Test Facility

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| The test facility is recognized, certified, or accredited by the following organizations:<br><br><b>FCC-Registration No.: 779513 Designation Number: CN1319</b><br>Shenzhen HTT Technology Co.,Ltd. has been listed on the US Federal Communications Commission list of test facilities recognized to perform electromagnetic emissions measurements.<br><br><b>A2LA-Lab Cert. No.: 6435.01</b><br>Shenzhen HTT Technology Co.,Ltd. has been listed by American Association for Laboratory Accreditation to perform electromagnetic emission measurement.<br><br>The 3m-Semi anechoic test site fulfils CISPR 16-1-4 according to ANSI C63.10 and CISPR 16-1-4:2010. |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

#### 4.7. Test Location

|                                                                                                                                                                                                                                                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| All tests were performed at:                                                                                                                                                                                                                   |
| Shenzhen HTT Technology Co.,Ltd.<br>1F, Building B, Huafeng International Robotics Industrial Park, Hangcheng Road,Nanchang Community, Xixiang Street, Bao'an District, Shenzhen, Guangdong, China<br>Tel: 0755-23595200<br>Fax: 0755-23595201 |

#### 4.8. Additional Instructions

|                   |                                                                                                                     |
|-------------------|---------------------------------------------------------------------------------------------------------------------|
| Test Software     | Special AT test command provided by manufacturer to Keep the EUT in continuously transmitting mode and hopping mode |
| Power level setup | Default                                                                                                             |

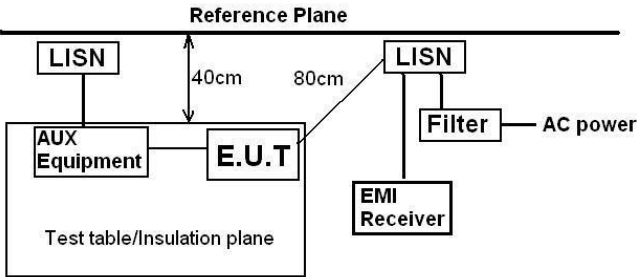


## 5. Test Instruments list

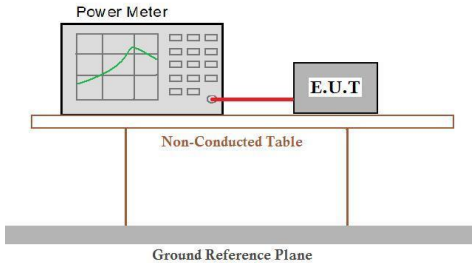
| Item | Test Equipment                   | Manufacturer                        | Model No.          | Inventory No. | Cal.Date (mm-dd-yy) | Cal.Due date (mm-dd-yy) |
|------|----------------------------------|-------------------------------------|--------------------|---------------|---------------------|-------------------------|
| 1    | 3m Semi- Anechoic Chamber        | Shenzhen C.R.T technology co., LTD  | 9*6*6              | HTT-E028      | Aug. 10 2020        | Aug. 09 2024            |
| 2    | Control Room                     | Shenzhen C.R.T technology co., LTD  | 4.8*3.5*3.0        | HTT-E030      | Aug. 10 2020        | Aug. 09 2024            |
| 3    | EMI Test Receiver                | Rohde&Schwar                        | ESCI7              | HTT-E022      | May 21 2021         | May 20 2022             |
| 4    | Spectrum Analyzer                | Rohde&Schwar                        | FSP                | HTT-E037      | May 21 2021         | May 20 2022             |
| 5    | Coaxial Cable                    | ZDecl                               | ZT26-NJ-NJ-0.6M    | HTT-E018      | May 21 2021         | May 20 2022             |
| 6    | Coaxial Cable                    | ZDecl                               | ZT26-NJ-SMAJ-2M    | HTT-E019      | May 21 2021         | May 20 2022             |
| 7    | Coaxial Cable                    | ZDecl                               | ZT26-NJ-SMAJ-0.6M  | HTT-E020      | May 21 2021         | May 20 2022             |
| 8    | Coaxial Cable                    | ZDecl                               | ZT26-NJ-SMAJ-8.5M  | HTT-E021      | May 21 2021         | May 20 2022             |
| 9    | Composite logarithmic antenna    | Schwarzbeck                         | VULB 9168          | HTT-E017      | Aug. 22 2021        | Aug. 21 2022            |
| 10   | Horn Antenna                     | Schwarzbeck                         | BBHA9120D          | HTT-E016      | Aug. 22 2021        | Aug. 21 2022            |
| 11   | Loop Antenna                     | Zhinan                              | ZN30900C           | HTT-E039      | Aug. 22 2021        | Aug. 21 2022            |
| 12   | Horn Antenna                     | Beijing Hangwei Dayang              | OBH100400          | HTT-E040      | Aug. 22 2021        | Aug. 21 2022            |
| 13   | low frequency Amplifier          | Sonoma Instrument                   | 310                | HTT-E015      | May 21 2021         | May 20 2022             |
| 14   | high-frequency Amplifier         | HP                                  | 8449B              | HTT-E014      | May 21 2021         | May 20 2022             |
| 15   | Variable frequency power supply  | Shenzhen Anbiao Instrument Co., Ltd | ANB-10VA           | HTT-082       | May 21 2021         | May 20 2022             |
| 16   | EMI Test Receiver                | Rohde & Schwarz                     | ESCS30             | HTT-E004      | May 21 2021         | May 20 2022             |
| 17   | Artificial Mains                 | Rohde & Schwarz                     | ESH3-Z5            | HTT-E006      | May 21 2021         | May 20 2022             |
| 18   | Artificial Mains                 | Rohde & Schwarz                     | ENV-216            | HTT-E038      | May 21 2021         | May 20 2022             |
| 19   | Cable Line                       | Robinson                            | Z302S-NJ-BNCJ-1.5M | HTT-E001      | May 21 2021         | May 20 2022             |
| 20   | Attenuator                       | Robinson                            | 6810.17A           | HTT-E007      | May 21 2021         | May 20 2022             |
| 21   | Variable frequency power supply  | Shenzhen Yanghong Electric Co., Ltd | YF-650 (5KVA)      | HTT-E032      | May 21 2021         | May 20 2022             |
| 22   | Control Room                     | Shenzhen C.R.T technology co., LTD  | 8*4*3.5            | HTT-E029      | May 21 2021         | May 20 2022             |
| 23   | DC power supply                  | Agilent                             | E3632A             | HTT-E023      | May 21 2021         | May 20 2022             |
| 24   | EMI Test Receiver                | Agilent                             | N9020A             | HTT-E024      | May 21 2021         | May 20 2022             |
| 25   | Analog signal generator          | Agilent                             | N5181A             | HTT-E025      | May 21 2021         | May 20 2022             |
| 26   | Vector signal generator          | Agilent                             | N5182A             | HTT-E026      | May 21 2021         | May 20 2022             |
| 27   | Power sensor                     | Keysight                            | U2021XA            | HTT-E027      | May 21 2021         | May 20 2022             |
| 28   | Temperature and humidity meter   | Shenzhen Anbiao Instrument Co., Ltd | TH10R              | HTT-074       | May 21 2021         | May 20 2022             |
| 29   | Radiated Emission Test Software  | Farad                               | EZ-EMC             | N/A           | N/A                 | N/A                     |
| 30   | Conducted Emission Test Software | Farad                               | EZ-EMC             | N/A           | N/A                 | N/A                     |
| 31   | RF Test Software                 | panshanrf                           | TST                | N/A           | N/A                 | N/A                     |

## 6. Test results and Measurement Data

### 6.1. Conducted Emissions

|                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |       |              |     |           |          |  |
|--------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------------|-----|-----------|----------|--|
| Test Requirement:                                | FCC Part15 C Section 15.207                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |       |              |     |           |          |  |
| Test Method:                                     | ANSI C63.10:2013                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |       |              |     |           |          |  |
| Test Frequency Range:                            | 150KHz to 30MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |       |              |     |           |          |  |
| Class / Severity:                                | Class B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |              |     |           |          |  |
| Receiver setup:                                  | RBW=9KHz, VBW=30KHz, Sweep time=auto                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |       |              |     |           |          |  |
| Limit:                                           | Frequency range (MHz)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |       | Limit (dBuV) |     |           |          |  |
|                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |       | Quasi-peak   |     | Average   |          |  |
|                                                  | 0.15-0.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |       | 66 to 56*    |     | 56 to 46* |          |  |
|                                                  | 0.5-5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |       | 56           |     | 46        |          |  |
|                                                  | 5-30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |       | 60           |     | 50        |          |  |
| * Decreases with the logarithm of the frequency. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |       |              |     |           |          |  |
| Test setup:                                      | <div><p style="text-align: center;"><b>Reference Plane</b></p><p>Remark:<br/>E.U.T: Equipment Under Test<br/>LISN: Line Impedance Stabilization Network<br/>Test table height=0.8m</p></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                      |       |              |     |           |          |  |
| Test procedure:                                  | <div><div>1. The E.U.T and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm/50uH coupling impedance for the measuring equipment.</div><div>2. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs).</div><div>3. Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10:2013 on conducted measurement.</div></div> |       |              |     |           |          |  |
| Test Instruments:                                | Refer to section 5.0 for details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |       |              |     |           |          |  |
| Test mode:                                       | Refer to section 4.2 for details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |       |              |     |           |          |  |
| Test environment:                                | Temp.:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 25 °C | Humid.:      | 52% | Press.:   | 1012mbar |  |
| Test voltage:                                    | AC 120V, 60Hz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |       |              |     |           |          |  |
| Test results:                                    | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |       |              |     |           |          |  |

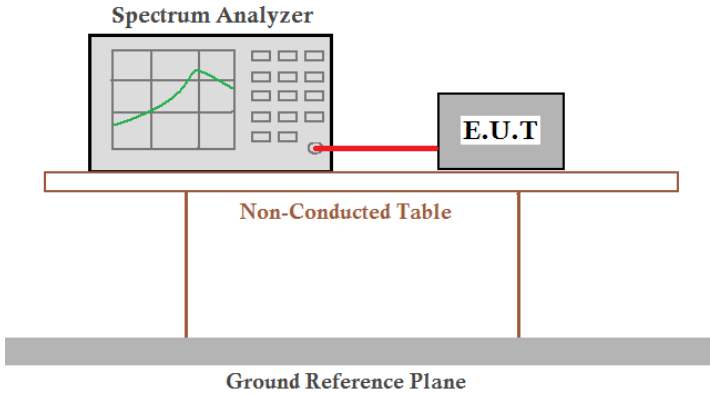
## 6.2. Conducted Output Power

|                   |                                                                                    |       |         |     |         |          |
|-------------------|------------------------------------------------------------------------------------|-------|---------|-----|---------|----------|
| Test Requirement: | FCC Part15 C Section 15.247 (b)(3)                                                 |       |         |     |         |          |
| Test Method:      | ANSI C63.10:2013 and KDB558074 D01 DTS Meas Guidance V05r02                        |       |         |     |         |          |
| Limit:            | 30dBm                                                                              |       |         |     |         |          |
| Test setup:       |  |       |         |     |         |          |
| Test Instruments: | Refer to section 5.0 for details                                                   |       |         |     |         |          |
| Test mode:        | Refer to section 4.2 for details                                                   |       |         |     |         |          |
| Test results:     | Pass                                                                               |       |         |     |         |          |
| Test environment: | Temp.:                                                                             | 25 °C | Humid.: | 52% | Press.: | 1012mbar |

## Measurement Data

| Test channel | Peak Output Power (dBm) | Limit(dBm) | Result |
|--------------|-------------------------|------------|--------|
| Lowest       | -6.45                   | 30.00      | Pass   |
| Middle       | -6.82                   |            |        |
| Highest      | -7.15                   |            |        |

### 6.3. Channel Bandwidth

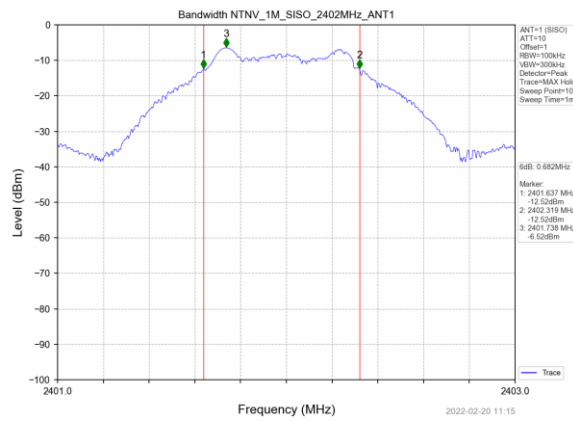
|                   |                                                                                    |       |         |     |         |          |
|-------------------|------------------------------------------------------------------------------------|-------|---------|-----|---------|----------|
| Test Requirement: | FCC Part15 C Section 15.247 (a)(2)                                                 |       |         |     |         |          |
| Test Method:      | ANSI C63.10:2013 and KDB558074 D01 DTS Meas Guidance V05r02                        |       |         |     |         |          |
| Limit:            | >500KHz                                                                            |       |         |     |         |          |
| Test setup:       |  |       |         |     |         |          |
| Test Instruments: | Refer to section 5.0 for details                                                   |       |         |     |         |          |
| Test mode:        | Refer to section 4.2 for details                                                   |       |         |     |         |          |
| Test results:     | Pass                                                                               |       |         |     |         |          |
| Test environment: | Temp.:                                                                             | 25 °C | Humid.: | 52% | Press.: | 1012mbar |

### Measurement Data

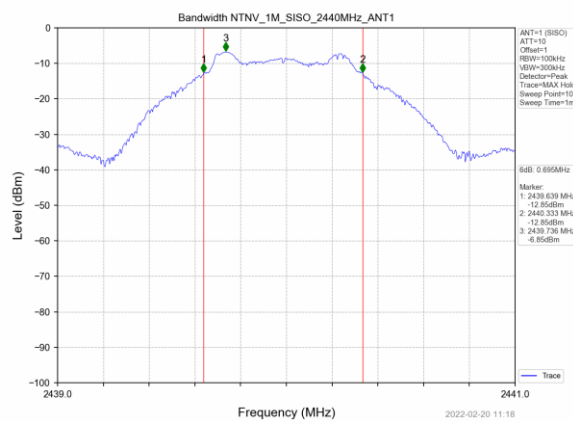
| Test channel | Channel Bandwidth (MHz) | Limit(KHz) | Result |
|--------------|-------------------------|------------|--------|
| Lowest       | 0.682                   | >500       | Pass   |
| Middle       | 0.695                   |            |        |
| Highest      | 0.702                   |            |        |



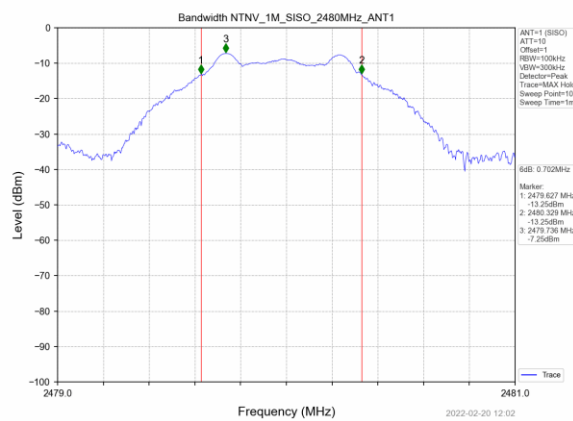
Test plot as follows:



Lowest channel

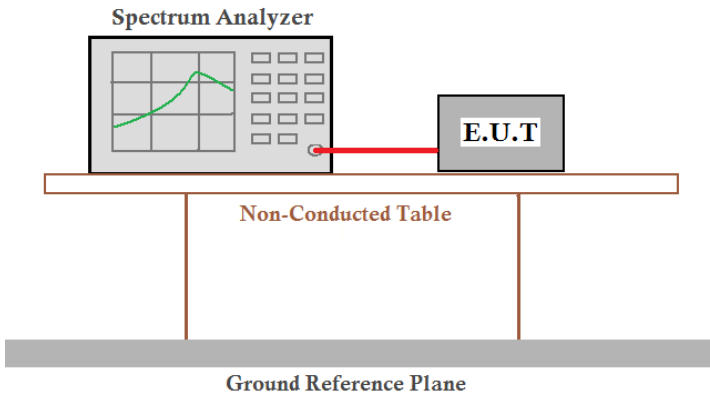


Middle channel



Highest channel

#### 6.4. Power Spectral Density

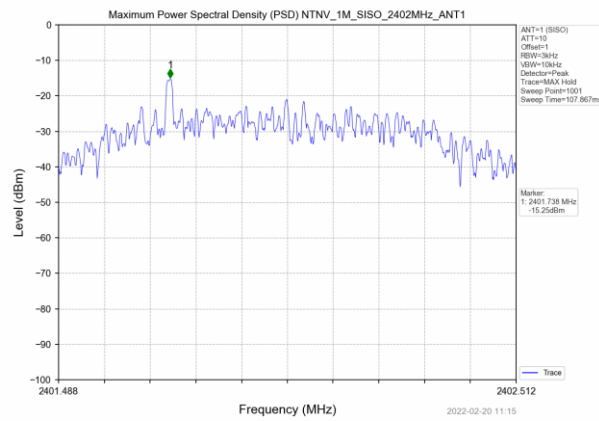
|                   |                                                                                    |       |         |     |         |          |
|-------------------|------------------------------------------------------------------------------------|-------|---------|-----|---------|----------|
| Test Requirement: | FCC Part15 C Section 15.247 (e)                                                    |       |         |     |         |          |
| Test Method:      | ANSI C63.10:2013 and KDB558074 D01 DTS Meas Guidance V05r02                        |       |         |     |         |          |
| Limit:            | 8dBm/3kHz                                                                          |       |         |     |         |          |
| Test setup:       |  |       |         |     |         |          |
| Test Instruments: | Refer to section 5.0 for details                                                   |       |         |     |         |          |
| Test mode:        | Refer to section 4.2 for details                                                   |       |         |     |         |          |
| Test results:     | Pass                                                                               |       |         |     |         |          |
| Test environment: | Temp.:                                                                             | 25 °C | Humid.: | 52% | Press.: | 1012mbar |

#### Measurement Data

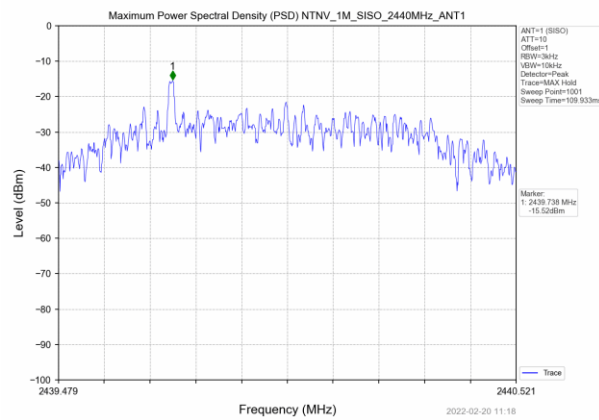
| Test channel | Power Spectral Density (dBm/3kHz) | Limit(dBm/3kHz) | Result |
|--------------|-----------------------------------|-----------------|--------|
| Lowest       | -15.25                            | 8.00            | Pass   |
| Middle       | -15.52                            |                 |        |
| Highest      | -15.70                            |                 |        |



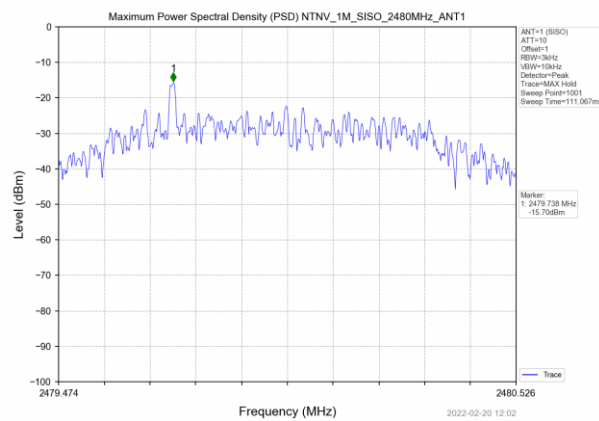
Test plot as follows:



Lowest channel



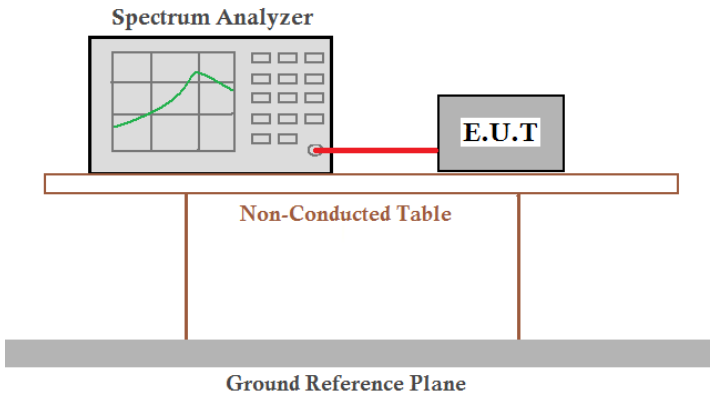
Middle channel



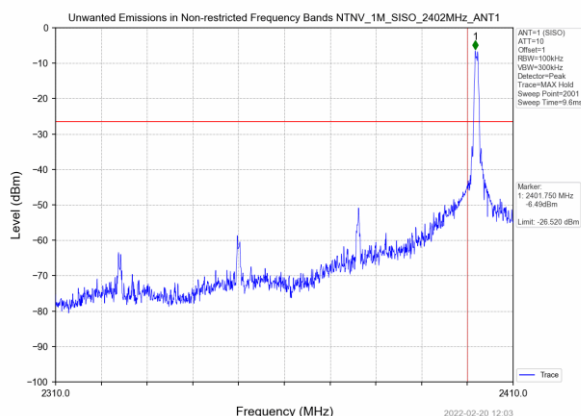
Highest channel

## 6.5. Band edges

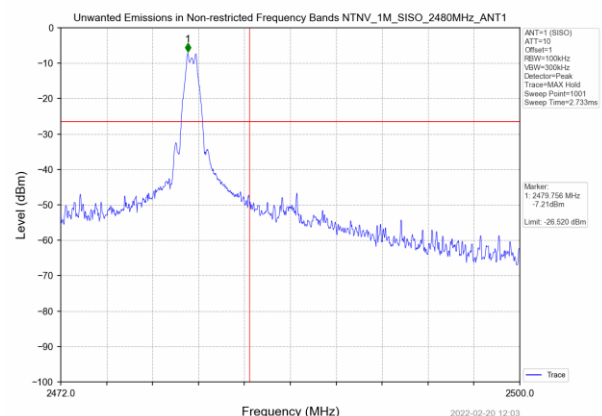
### 6.5.1 Conducted Emission Method

|                   |                                                                                                                                                                                                                                                                                                                                                                                         |       |         |     |         |          |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|---------|-----|---------|----------|
| Test Requirement: | FCC Part15 C Section 15.247 (d)                                                                                                                                                                                                                                                                                                                                                         |       |         |     |         |          |
| Test Method:      | ANSI C63.10:2013 and KDB558074 D01 DTS Meas Guidance V05r02                                                                                                                                                                                                                                                                                                                             |       |         |     |         |          |
| Limit:            | In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. |       |         |     |         |          |
| Test setup:       |                                                                                                                                                                                                                                                                                                      |       |         |     |         |          |
| Test Instruments: | Refer to section 5.0 for details                                                                                                                                                                                                                                                                                                                                                        |       |         |     |         |          |
| Test mode:        | Refer to section 4.2 for details                                                                                                                                                                                                                                                                                                                                                        |       |         |     |         |          |
| Test results:     | Pass                                                                                                                                                                                                                                                                                                                                                                                    |       |         |     |         |          |
| Test environment: | Temp.:                                                                                                                                                                                                                                                                                                                                                                                  | 25 °C | Humid.: | 52% | Press.: | 1012mbar |

Test plot as follows:

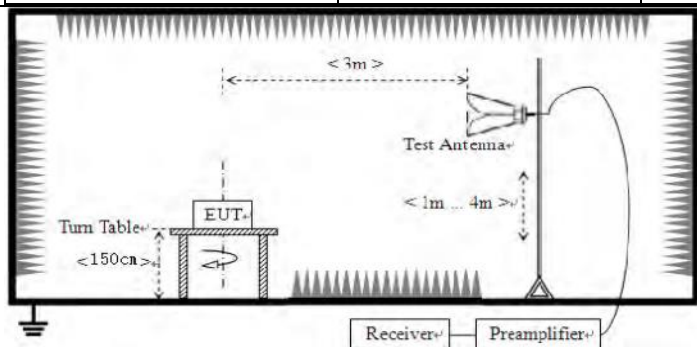


Lowest channel



Highest channel

### 6.5.2 Radiated Emission Method

|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |                    |      |         |          |  |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------------------|------|---------|----------|--|
| Test Requirement:     | FCC Part15 C Section 15.209 and 15.205                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |                    |      |         |          |  |
| Test Method:          | ANSI C63.10:2013                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |                    |      |         |          |  |
| Test Frequency Range: | All of the restrict bands were tested, only the worst band's (2310MHz to 2500MHz) data was showed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |                    |      |         |          |  |
| Test site:            | Measurement Distance: 3m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |                    |      |         |          |  |
| Receiver setup:       | Frequency                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Detector | RBW                | VBW  | Value   |          |  |
|                       | Above 1GHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Peak     | 1MHz               | 3MHz | Peak    |          |  |
|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | RMS      | 1MHz               | 3MHz | Average |          |  |
| Limit:                | Frequency                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          | Limit (dBuV/m @3m) |      |         | Value    |  |
|                       | Above 1GHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          | 54.00              |      |         | Average  |  |
|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          | 74.00              |      |         | Peak     |  |
| Test setup:           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |                    |      |         |          |  |
| Test Procedure:       | <div>1. The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation.</div> <div>2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.</div> <div>3. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.</div> <div>4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading.</div> <div>5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.</div> <div>6. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.</div> <div>7. The radiation measurements are performed in X, Y, Z axis positioning. And found the X axis positioning which it is worse case, only the test worst case mode is recorded in the report.</div> |          |                    |      |         |          |  |
| Test Instruments:     | Refer to section 5.0 for details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |                    |      |         |          |  |
| Test mode:            | Refer to section 4.2 for details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |                    |      |         |          |  |
| Test results:         | Pass                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |                    |      |         |          |  |
| Test environment:     | Temp.:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 25 °C    | Humid.:            | 52%  | Press.: | 1012mbar |  |

**Measurement Data**

Operation Mode: GFSK TX Low channel(2402MHz)

**Horizontal (Worst case)**

| Frequency | Meter Reading | Antenna Factor | Cable Loss | Preamp Factor | Emission Level | Limits   | Margin | Detector Type |
|-----------|---------------|----------------|------------|---------------|----------------|----------|--------|---------------|
| (MHz)     | (dBμV)        | (dB/m)         | (dB)       | (dB)          | (dBμV/m)       | (dBμV/m) | (dB)   |               |
| 2390      | 60.11         | 26.20          | 5.72       | 33.30         | 58.73          | 74       | -15.27 | peak          |
| 2390      | 43.21         | 26.20          | 5.72       | 33.30         | 41.83          | 54       | -12.17 | AVG           |

**Vertical:**

| Frequency | Meter Reading | Antenna Factor | Cable Loss | Preamp Factor | Emission Level | Limits   | Margin | Detector Type |
|-----------|---------------|----------------|------------|---------------|----------------|----------|--------|---------------|
| (MHz)     | (dBμV)        | (dB/m)         | (dB)       | (dB)          | (dBμV/m)       | (dBμV/m) | (dB)   |               |
| 2390      | 58.41         | 26.20          | 5.72       | 33.30         | 57.03          | 74       | -16.97 | peak          |
| 2390      | 46.51         | 26.20          | 5.72       | 33.30         | 45.13          | 54       | -8.87  | AVG           |

Operation Mode: GFSK TX High channel (2480MHz)

**Horizontal (Worst case)**

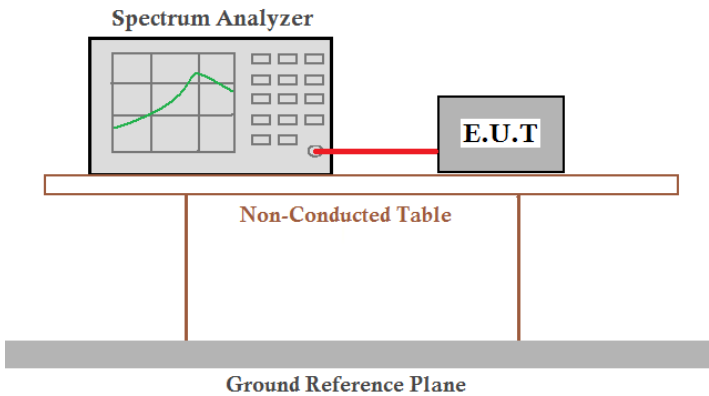
| Frequency | Meter Reading | Antenna Factor | Cable Loss | Preamp Factor | Emission Level | Limits   | Margin | Detector Type |
|-----------|---------------|----------------|------------|---------------|----------------|----------|--------|---------------|
| (MHz)     | (dBμV)        | (dB/m)         | (dB)       | (dB)          | (dBμV/m)       | (dBμV/m) | (dB)   |               |
| 2483.5    | 56.74         | 28.60          | 6.97       | 32.70         | 59.61          | 74       | -14.39 | peak          |
| 2483.5    | 41.51         | 28.60          | 6.97       | 32.70         | 44.38          | 54       | -9.62  | AVG           |

**Vertical:**

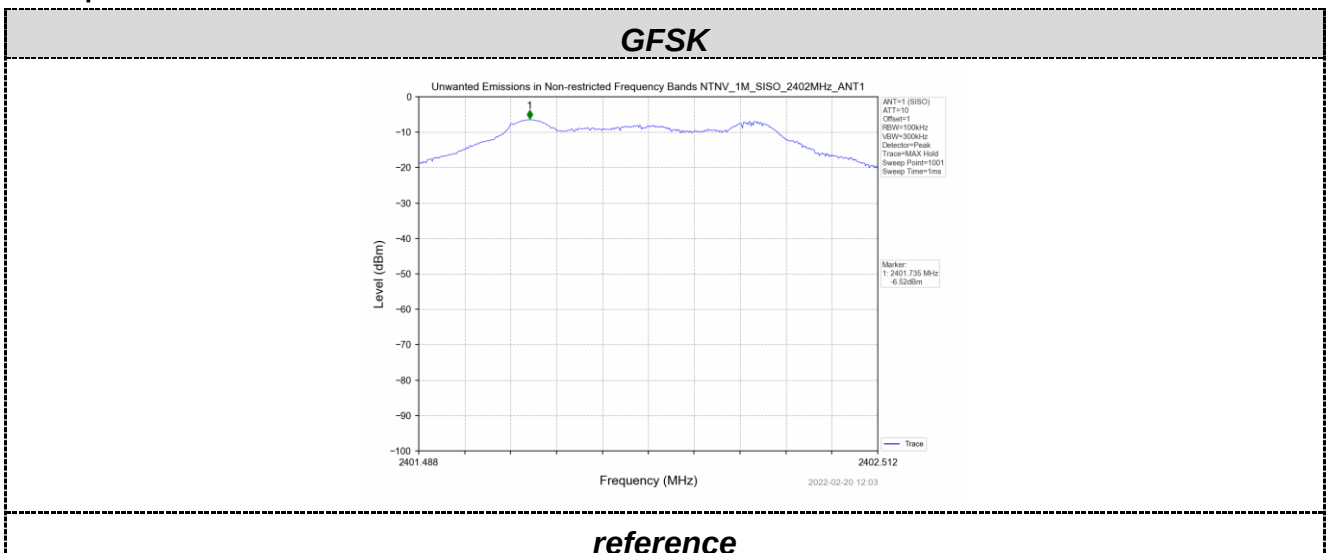
| Frequency | Meter Reading | Antenna Factor | Cable Loss | Preamp Factor | Emission Level | Limits   | Margin | Detector Type |
|-----------|---------------|----------------|------------|---------------|----------------|----------|--------|---------------|
| (MHz)     | (dBμV)        | (dB/m)         | (dB)       | (dB)          | (dBμV/m)       | (dBμV/m) | (dB)   |               |
| 2483.5    | 56.48         | 28.60          | 6.97       | 32.70         | 59.35          | 74       | -14.65 | peak          |
| 2483.5    | 41.20         | 28.60          | 6.97       | 32.70         | 44.07          | 54       | -9.93  | AVG           |

## 6.6. Spurious Emission

### 6.6.1 Conducted Emission Method

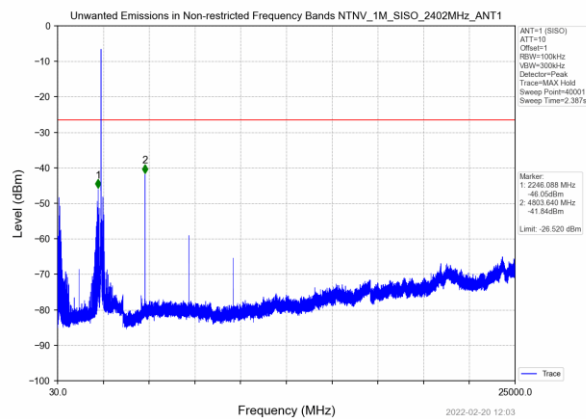
|                   |                                                                                                                                                                                                                                                                                                                                                                                         |       |         |     |         |          |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|---------|-----|---------|----------|
| Test Requirement: | FCC Part15 C Section 15.247 (d)                                                                                                                                                                                                                                                                                                                                                         |       |         |     |         |          |
| Test Method:      | ANSI C63.10:2013 and KDB558074 D01 DTS Meas Guidance V05r02                                                                                                                                                                                                                                                                                                                             |       |         |     |         |          |
| Limit:            | In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. |       |         |     |         |          |
| Test setup:       |                                                                                                                                                                                                                                                                                                      |       |         |     |         |          |
| Test Instruments: | Refer to section 5.0 for details                                                                                                                                                                                                                                                                                                                                                        |       |         |     |         |          |
| Test mode:        | Refer to section 4.2 for details                                                                                                                                                                                                                                                                                                                                                        |       |         |     |         |          |
| Test results:     | Pass                                                                                                                                                                                                                                                                                                                                                                                    |       |         |     |         |          |
| Test environment: | Temp.:                                                                                                                                                                                                                                                                                                                                                                                  | 25 °C | Humid.: | 52% | Press.: | 1012mbar |

Test plot as follows:

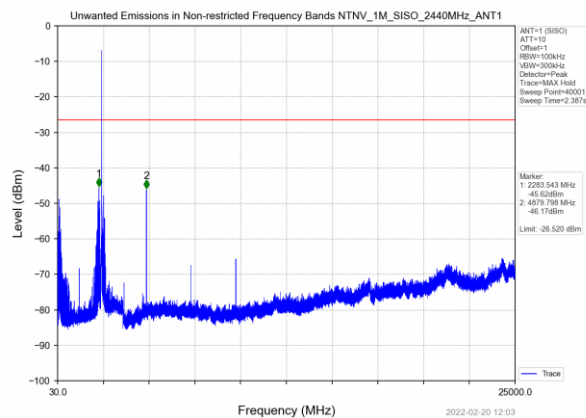




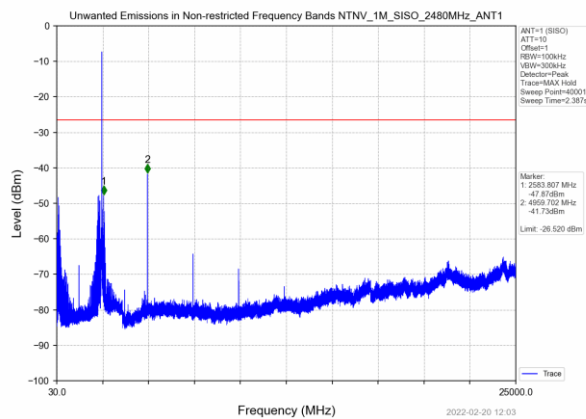
### GFSK



### Low Channel

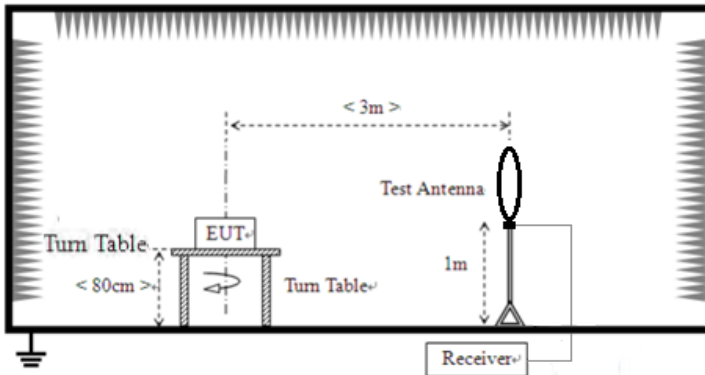


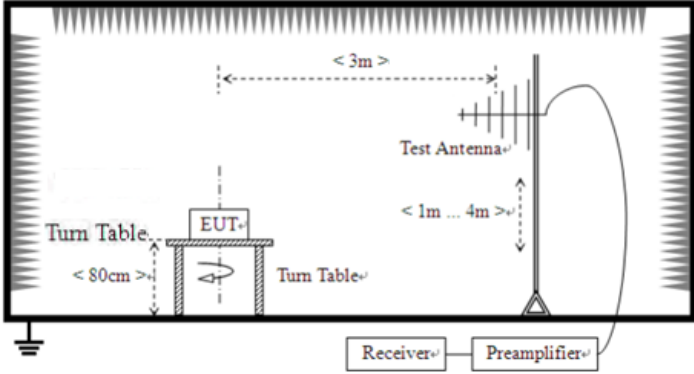
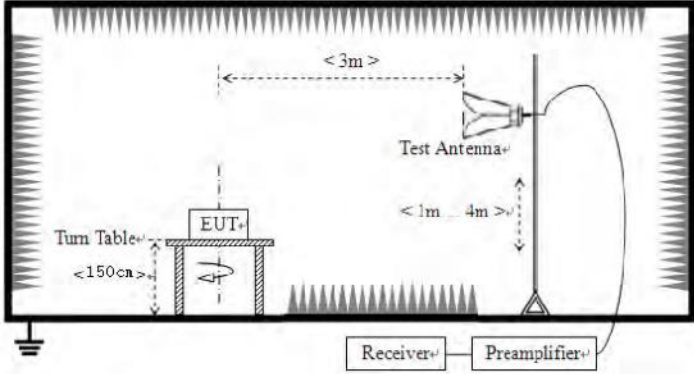
### Mid Channel



### High Channel

### 6.6.2 Radiated Emission Method

|                       |                                                                                      |              |         |                      |            |
|-----------------------|--------------------------------------------------------------------------------------|--------------|---------|----------------------|------------|
| Test Requirement:     | FCC Part15 C Section 15.209                                                          |              |         |                      |            |
| Test Method:          | ANSI C63.10:2013                                                                     |              |         |                      |            |
| Test Frequency Range: | 9kHz to 25GHz                                                                        |              |         |                      |            |
| Test site:            | Measurement Distance: 3m                                                             |              |         |                      |            |
| Receiver setup:       | Frequency                                                                            | Detector     | RBW     | VBW                  | Value      |
|                       | 9KHz-150KHz                                                                          | Quasi-peak   | 200Hz   | 600Hz                | Quasi-peak |
|                       | 150KHz-30MHz                                                                         | Quasi-peak   | 9KHz    | 30KHz                | Quasi-peak |
|                       | 30MHz-1GHz                                                                           | Quasi-peak   | 120KHz  | 300KHz               | Quasi-peak |
|                       | Above 1GHz                                                                           | Peak         | 1MHz    | 3MHz                 | Peak       |
|                       |                                                                                      | Peak         | 1MHz    | 10Hz                 | Average    |
| Limit:                | Frequency                                                                            | Limit (uV/m) | Value   | Measurement Distance |            |
|                       | 0.009MHz-0.490MHz                                                                    | 2400/F(KHz)  | QP      | 300m                 |            |
|                       | 0.490MHz-1.705MHz                                                                    | 24000/F(KHz) | QP      | 30m                  |            |
|                       | 1.705MHz-30MHz                                                                       | 30           | QP      | 30m                  |            |
|                       | 30MHz-88MHz                                                                          | 100          | QP      | 3m                   |            |
|                       | 88MHz-216MHz                                                                         | 150          | QP      |                      |            |
|                       | 216MHz-960MHz                                                                        | 200          | QP      |                      |            |
|                       | 960MHz-1GHz                                                                          | 500          | QP      |                      |            |
|                       | Above 1GHz                                                                           | 500          | Average |                      |            |
|                       |                                                                                      | 5000         | Peak    |                      |            |
| Test setup:           | For radiated emissions from 9kHz to 30MHz                                            |              |         |                      |            |
|                       |  |              |         |                      |            |

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                          | <p>For radiated emissions from 30MHz to 1GHz</p>  <p>For radiated emissions above 1GHz</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <p>Test Procedure:</p>   | <ol style="list-style-type: none"> <li>1. The EUT was placed on the top of a rotating table (0.8m for below 1G and 1.5m for above 1G) above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation.</li> <li>2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.</li> <li>3. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.</li> <li>4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading.</li> <li>5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.</li> <li>6. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.</li> </ol> |
| <p>Test Instruments:</p> | <p>Refer to section 5.0 for details</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <p>Test mode:</p>        | <p>Refer to section 4.2 for details</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |



Report No.: HTT202202056F01

|                   |               |       |         |     |         |          |
|-------------------|---------------|-------|---------|-----|---------|----------|
| Test environment: | Temp.:        | 25 °C | Humid.: | 52% | Press.: | 1012mbar |
| Test voltage:     | AC 120V, 60Hz |       |         |     |         |          |
| Test results:     | Pass          |       |         |     |         |          |

#### Measurement data:

##### Remark:

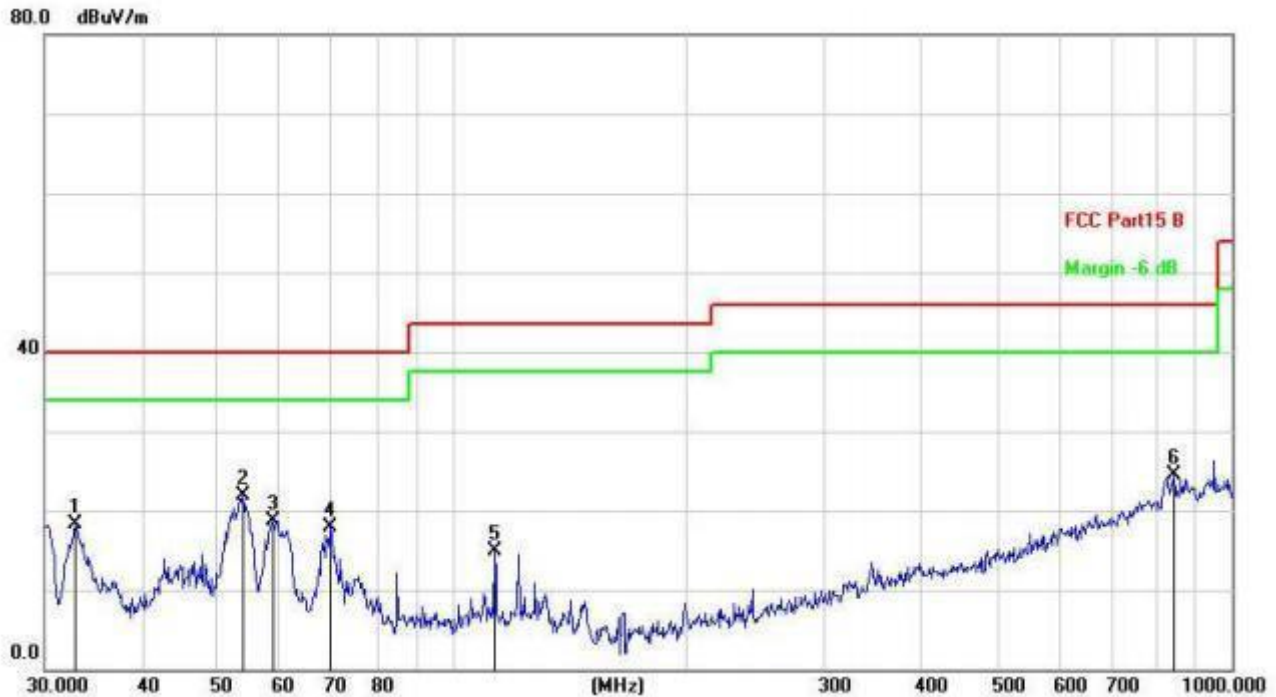
Pre-scan all kind of the place mode (X-axis, Y-axis, Z-axis), and found the Y-axis which it is worse case.

#### ■ 9kHz~30MHz

The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

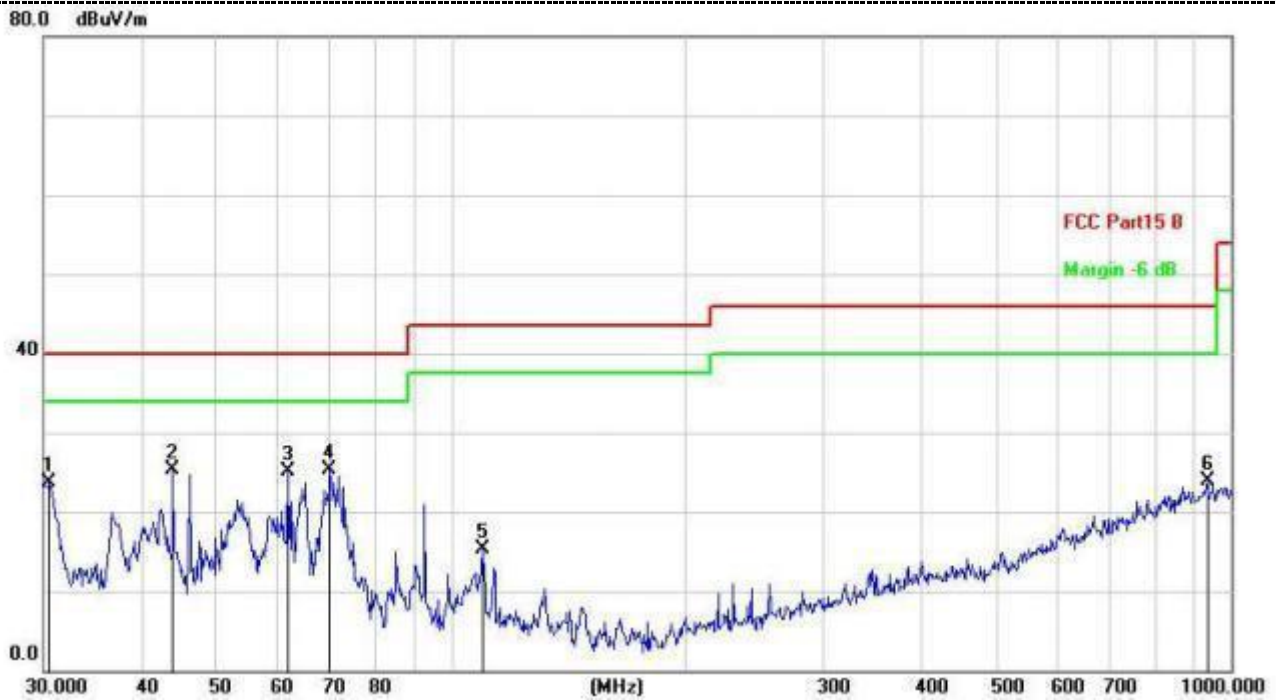
# Below 1GHz

## Horizontal



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dB/m | Over<br>dB | Detector |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|---------------|------------|----------|
| 1   |     | 32.8637      | 36.56                    | -18.29                  | 18.27                      | 40.00         | -21.73     | QP       |
| 2   | *   | 53.8818      | 39.43                    | -17.55                  | 21.88                      | 40.00         | -18.12     | QP       |
| 3   |     | 59.0251      | 36.81                    | -18.03                  | 18.78                      | 40.00         | -21.22     | QP       |
| 4   |     | 69.8448      | 37.92                    | -19.94                  | 17.98                      | 40.00         | -22.02     | QP       |
| 5   |     | 113.3161     | 35.15                    | -20.18                  | 14.97                      | 43.50         | -28.53     | QP       |
| 6   |     | 842.1295     | 30.64                    | -6.14                   | 24.50                      | 46.00         | -21.50     | QP       |

### Vertical



| No. | Mk. | Freq.    | Reading | Correct | Measure- | Limit | Over   |          |
|-----|-----|----------|---------|---------|----------|-------|--------|----------|
|     |     | MHz      | Level   | Factor  | ment     |       |        |          |
|     |     |          | dBuV    | dB      | dBuV/m   | dB/m  | dB     | Detector |
| 1   |     | 30.5305  | 42.17   | -18.54  | 23.63    | 40.00 | -16.37 | QP       |
| 2   |     | 43.9658  | 42.66   | -17.42  | 25.24    | 40.00 | -14.76 | QP       |
| 3   |     | 61.7781  | 43.66   | -18.46  | 25.20    | 40.00 | -14.80 | QP       |
| 4   | *   | 69.8450  | 45.32   | -19.94  | 25.38    | 40.00 | -14.62 | QP       |
| 5   |     | 109.7960 | 36.18   | -20.89  | 15.29    | 43.50 | -28.21 | QP       |
| 6   |     | 932.2714 | 28.87   | -4.94   | 23.93    | 46.00 | -22.07 | QP       |

Final Level = Receiver Read level + Correct Factor



## ■ 1GHz-25GHz

## CH Low (2402MHz)

## Horizontal:

| Frequency | Meter Reading | Antenna Factor | Cable Loss | Preamp Factor | Emission Level | Limits   | Margin | Detector Type |
|-----------|---------------|----------------|------------|---------------|----------------|----------|--------|---------------|
| (MHz)     | (dBμV)        | (dB/m)         | (dB)       | (dB)          | (dBμV/m)       | (dBμV/m) | (dB)   |               |
| 4804      | 51.20         | 31.40          | 8.18       | 32.10         | 58.68          | 74.00    | -15.32 | peak          |
| 4804      | 36.41         | 31.40          | 8.18       | 32.10         | 43.89          | 54.00    | -10.11 | AVG           |
| 7206      | 42.85         | 35.80          | 10.83      | 31.40         | 58.08          | 74.00    | -15.92 | peak          |
| 7206      | 30.84         | 35.80          | 10.83      | 31.40         | 46.07          | 54.00    | -7.93  | AVG           |
| ---       | ---           |                |            | ---           | ---            | ---      | ---    | ---           |
| ---       | ---           |                |            | ---           | ---            | ---      | ---    | ---           |

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.

## Vertical:

| Frequency | Meter Reading | Antenna Factor | Cable Loss | Preamp Factor | Emission Level | Limits   | Margin | Detector Type |
|-----------|---------------|----------------|------------|---------------|----------------|----------|--------|---------------|
| (MHz)     | (dBμV)        | (dB/m)         | (dB)       | (dB)          | (dBμV/m)       | (dBμV/m) | (dB)   |               |
| 4804      | 52.38         | 31.40          | 8.18       | 32.10         | 59.86          | 74.00    | -14.14 | peak          |
| 4804      | 36.12         | 31.40          | 8.18       | 32.10         | 43.60          | 54.00    | -10.40 | AVG           |
| 7206      | 44.10         | 35.80          | 10.83      | 31.40         | 59.33          | 74.00    | -14.67 | peak          |
| 7206      | 28.51         | 35.80          | 10.83      | 31.40         | 43.74          | 54.00    | -10.26 | AVG           |
| ---       | ---           |                |            | ---           | ---            | ---      | ---    | ---           |
| ---       | ---           |                |            | ---           | ---            | ---      | ---    | ---           |

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



## CH Middle (2440MHz)

## Horizontal:

| Frequency | Meter Reading | Antenna Factor | Cable Loss | Preamp Factor | Emission Level | Limits   | Margin | Detector Type |
|-----------|---------------|----------------|------------|---------------|----------------|----------|--------|---------------|
| (MHz)     | (dBμV)        | (dB/m)         | (dB)       | (dB)          | (dBμV/m)       | (dBμV/m) | (dB)   |               |
| 4880      | 51.41         | 31.40          | 9.17       | 32.10         | 59.88          | 74.00    | -14.12 | peak          |
| 4880      | 36.12         | 31.40          | 9.17       | 32.10         | 44.59          | 54.00    | -9.41  | AVG           |
| 7320      | 43.51         | 35.80          | 10.83      | 31.40         | 58.74          | 74.00    | -15.26 | peak          |
| 7320      | 28.84         | 35.80          | 10.83      | 31.40         | 44.07          | 54.00    | -9.93  | AVG           |
| ---       | ---           |                |            | ---           | ---            | ---      | ---    | ---           |
| ---       | ---           |                |            | ---           | ---            | ---      | ---    | ---           |

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.

## Vertical:

| Frequency | Meter Reading | Antenna Factor | Cable Loss | Preamp Factor | Emission Level | Limits   | Margin | Detector Type |
|-----------|---------------|----------------|------------|---------------|----------------|----------|--------|---------------|
| (MHz)     | (dBμV)        | (dB/m)         | (dB)       | (dB)          | (dBμV/m)       | (dBμV/m) | (dB)   |               |
| 4880      | 49.71         | 31.40          | 9.17       | 32.10         | 58.18          | 74.00    | -15.82 | peak          |
| 4880      | 36.12         | 31.40          | 9.17       | 32.10         | 44.59          | 54.00    | -9.41  | AVG           |
| 7320      | 44.96         | 35.80          | 10.83      | 31.40         | 60.19          | 74.00    | -13.81 | peak          |
| 7320      | 27.01         | 35.80          | 10.83      | 31.40         | 42.24          | 54.00    | -11.76 | AVG           |
| ---       | ---           |                |            | ---           | ---            | ---      | ---    | ---           |
| ---       | ---           |                |            | ---           | ---            | ---      | ---    | ---           |

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



## CH High (2480MHz)

## Horizontal:

| Frequency | Meter Reading | Antenna Factor | Cable Loss | Preamp Factor | Emission Level | Limits         | Margin | Detector Type |
|-----------|---------------|----------------|------------|---------------|----------------|----------------|--------|---------------|
| (MHz)     | (dB $\mu$ V)  | (dB/m)         | (dB)       | (dB)          | (dB $\mu$ V/m) | (dB $\mu$ V/m) | (dB)   |               |
| 4960      | 48.52         | 31.40          | 9.17       | 32.10         | 56.99          | 74.00          | -17.01 | peak          |
| 4960      | 37.14         | 31.40          | 9.17       | 32.10         | 45.61          | 54.00          | -8.39  | AVG           |
| 7440      | 45.12         | 35.80          | 10.83      | 31.40         | 60.35          | 74.00          | -13.65 | peak          |
| 7440      | 27.46         | 35.80          | 10.83      | 31.40         | 42.69          | 54.00          | -11.31 | AVG           |
| ---       | ---           |                |            | ---           | ---            | ---            | ---    | ---           |
| ---       | ---           |                |            | ---           | ---            | ---            | ---    | ---           |

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.

## Vertical:

| Frequency | Meter Reading | Antenna Factor | Cable Loss | Preamp Factor | Emission Level | Limits         | Margin | Detector Type |
|-----------|---------------|----------------|------------|---------------|----------------|----------------|--------|---------------|
| (MHz)     | (dB $\mu$ V)  | (dB/m)         | (dB)       | (dB)          | (dB $\mu$ V/m) | (dB $\mu$ V/m) | (dB)   |               |
| 4960      | 51.85         | 31.40          | 9.17       | 32.10         | 60.32          | 74.00          | -13.68 | peak          |
| 4960      | 36.84         | 31.40          | 9.17       | 32.10         | 45.31          | 54.00          | -8.69  | AVG           |
| 7440      | 46.51         | 35.80          | 10.83      | 31.40         | 61.74          | 74.00          | -12.26 | peak          |
| 7440      | 28.77         | 35.80          | 10.83      | 31.40         | 44.00          | 54.00          | -10.00 | AVG           |
| ---       | ---           |                |            | ---           | ---            | ---            | ---    | ---           |
| ---       | ---           |                |            | ---           | ---            | ---            | ---    | ---           |

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.

## Remark:

(1) Data of measurement within this frequency range shown “--- ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

(2) When the test results of Peak Detected below the limits of Average Detected, the Average Detected is not need completed.



## 7. Test Setup Photo

Reference to the **appendix I** for details.

## 8. EUT Constructional Details

Reference to the **appendix II** for details.

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