



# RF Test Report

## For

**Applicant Name:** Shenzhen DOOGEE Hengtong Technology CO.,LTD  
**Address:** B, 2/F, Building A4, Silicon Valley Power Digital Industrial Park, No. 22, Longhua New District, Shenzhen, China  
**EUT Name:** Smart Phone  
**Brand Name:** DOOGEE  
**Model Number:** Note 56  
**Series Model Number:** Note56 Pro, Note56 Plus, Note56 Max, Note56 Pro Max, Note56 Ultra, Note56 SE, Note 57, Note57 Pro, Note57 Plus, Note57 Max, Note57 Ultra, Note57 Pro Max, Note56 X, Note56X Pro  
**FCC ID:** 2AX4YNOTE56

## Issued By

**Company name:** BTF Testing Lab (Shenzhen) Co., Ltd.  
**Address:** 101/201/301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgang Subdistrict, Bao'an District, Shenzhen, China  
**Report number:** BTF251011R00302  
**Test standards:** FCC CFR Title 47 Part 15 Subpart C (§15.247)  
**Test conclusion:** Pass  
**Date of sample receipt:** 2025-08-12  
**Test date:** 2025-08-12 to 2025-09-12  
**Date of issue:** 2025-11-07  
**Test by:** Sean He  
Sean He / Tester

**Prepared by:** Chris Liu  
Chris Liu / Project engineer

**Approved by:** Ryan.CJ / EMC manager



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| Revision History                                                                          |            |                   |
|-------------------------------------------------------------------------------------------|------------|-------------------|
| Version                                                                                   | Issue Date | Revisions Content |
| R_V0                                                                                      | 2025-11-07 | Original          |
|                                                                                           |            |                   |
| <i>Note: Once the revision has been made, then previous versions reports are invalid.</i> |            |                   |

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## 1 Introduction

### 1.1 Laboratory Location

|                |                                                                                                                                    |
|----------------|------------------------------------------------------------------------------------------------------------------------------------|
| Test location: | BTF Testing Lab (Shenzhen) Co., Ltd.                                                                                               |
| Address:       | 101/201/301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgang Subdistrict, Bao'an District, Shenzhen, China |
| Phone number:  | +86-0755-23146130                                                                                                                  |
| Fax number:    | +86-0755-23146130                                                                                                                  |

### 1.2 Laboratory Facility

The test facility is recognized, certified, or accredited by the following organizations:

- **FCC - Designation No.: CN1409**

BTF Testing Lab (Shenzhen) Co., Ltd. has been accredited as a testing laboratory by FCC (Federal Communications Commission). The test firm Registration No. is 518915.

- **CNAS - Registration No.: CNAS L17568**

BTF Testing Lab (Shenzhen) Co., Ltd. is accredited to ISO/IEC 17025:2017 General Requirements for the Competence of Testing and Calibration laboratories for the competence of testing. The Registration No. is CNAS L17568.

- **A2LA - Registration No.: 6660.01**

BTF Testing Lab (Shenzhen) Co., Ltd. is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories.

### 1.3 Announcement

- (1) The test report reference to the report template version v0.
- (2) The test report is invalid if not marked with the signatures of the persons responsible for preparing, reviewing and approving the test report.
- (3) The test report is invalid if there is any evidence and/or falsification.
- (4) This document may not be altered or revised in any way unless done so by BTF and all revisions are duly noted in the revisions section.
- (5) Content of the test report, in part or in full, cannot be used for publicity and/or promotional purposes without prior written approval from the laboratory.
- (6) The laboratory is only responsible for the data released by the laboratory, except for the part provided by the applicant.

## 2 Product Information

### 2.1 Application Information

|               |                                                                                                                  |
|---------------|------------------------------------------------------------------------------------------------------------------|
| Company Name: | Shenzhen DOOGEE Hengtong Technology CO.,LTD                                                                      |
| Address:      | B, 2/F, Building A4, Silicon Valley Power Digital Industrial Park, No. 22, Longhua New District, Shenzhen, China |

### 2.2 Manufacturer Information

|               |                                                                                                                  |
|---------------|------------------------------------------------------------------------------------------------------------------|
| Company Name: | Shenzhen DOOGEE Hengtong Technology CO.,LTD                                                                      |
| Address:      | B, 2/F, Building A4, Silicon Valley Power Digital Industrial Park, No. 22, Longhua New District, Shenzhen, China |

### 2.3 Factory Information

|               |                                                                                                                  |
|---------------|------------------------------------------------------------------------------------------------------------------|
| Company Name: | Shenzhen DOOGEE Hengtong Technology CO.,LTD                                                                      |
| Address:      | B, 2/F, Building A4, Silicon Valley Power Digital Industrial Park, No. 22, Longhua New District, Shenzhen, China |

### 2.4 General Description of Equipment under Test (EUT)

|                                           |                                                                                                                                                                                 |
|-------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EUT name                                  | Smart Phone                                                                                                                                                                     |
| Under test model name                     | Note 56                                                                                                                                                                         |
| Series model name                         | Note56 Pro, Note56 Plus, Note56 Max, Note56 Pro Max, Note56 Ultra, Note56 SE, Note 57, Note57 Pro, Note57 Plus, Note57 Max, Note57 Ultra, Note57 Pro Max, Note56 X, Note56X Pro |
| Description of model name differentiation | There is no difference except the name of the model                                                                                                                             |
| Hardware Version                          | SC6306LH_MB_V2.0.1                                                                                                                                                              |
| Software Version                          | DOOGEE-Note 56-EEA-Android16.0-20250724                                                                                                                                         |
| Rating:                                   | DC 3.85V from battery or DC 5V from AC Power Adapter                                                                                                                            |

### 2.5 Technical Information

|                                  |                                                                                                                                          |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Operation frequency:             | 2402MHz ~ 2480MHz                                                                                                                        |
| Channel numbers:                 | 40                                                                                                                                       |
| Channel separation:              | 2MHz                                                                                                                                     |
| Modulation technology:           | GFSK                                                                                                                                     |
| Data rate:                       | 1 Mbps (LE 1M PHY), 2 Mbps (LE 2M PHY)                                                                                                   |
| Max. Conducted Peak Power Power: | -0.47dBm                                                                                                                                 |
| Antenna type:                    | PIFA Antenna                                                                                                                             |
| Antenna gain:                    | 1.46dBi (declare by Applicant)                                                                                                           |
| Antenna transmit mode:           | SISO (1TX, 1RX)                                                                                                                          |
| AC Power Adapter                 | Manufacturer: Shenzhen Huajin Electronics Co.,LTD<br>Model: HJ-0502000-US<br>Input: 100-240V~ 50/60Hz 0.3A<br>Output: 5.0V--- 2.0A 10.0W |

**Channel List:**

| Channel | Frequency | Channel | Frequency | Channel | Frequency | Channel | Frequency |
|---------|-----------|---------|-----------|---------|-----------|---------|-----------|
| 0       | 2402MHz   | 10      | 2422MHz   | 20      | 2442MHz   | 30      | 2462MHz   |
| 1       | 2404MHz   | 11      | 2424MHz   | 21      | 2444MHz   | 31      | 2464MHz   |
| ...     | ...       | ...     | ...       | ...     | ...       | ...     | ...       |
| 8       | 2418MHz   | 18      | 2438MHz   | 28      | 2458MHz   | 38      | 2478MHz   |
| 9       | 2420MHz   | 19      | 2440MHz   | 29      | 2460MHz   | 39      | 2480MHz   |

Remark: Channel 0, 19 & 39 have been tested.

### 3 Summary of Test Results

#### 3.1 Test Standards

| Identity                                     | Document Title                                                                                                                                                                           |
|----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| FCC CFR Title 47 Part 15 Subpart C (§15.247) | Intentional Radiators - Operation within the bands 902–928 MHz, 2400–2483.5 MHz, and 5725–5850 MHz.                                                                                      |
| ANSI C63.10-2020                             | American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices                                                                                           |
| KDB 558074 D01 15.247 Meas Guidance v05r02   | Guidance for Compliance Measurements on Digital Transmission System, Frequency Hopping Spread Spectrum System, and Hybrid System Devices Operating Under Section 15.247 of The FCC Rules |

#### 3.2 Uncertainty of Test

| Measurement                                  | Value    |
|----------------------------------------------|----------|
| Occupied Channel Bandwidth                   | ±5 %     |
| RF output power, conducted                   | ±1.5 dB  |
| Power Spectral Density, conducted            | ±3.0 dB  |
| Unwanted Emissions, conducted                | ±3.0 dB  |
| Supply voltages                              | ±3 %     |
| Time                                         | ±5 %     |
| Conducted Emission for LISN (9kHz ~ 150kHz)  | ±2.97 dB |
| Conducted Emission for LISN (150kHz ~ 30MHz) | ±2.45 dB |
| Radiated Emission (30MHz ~ 1000MHz)          | ±4.80 dB |
| Radiated Emission (1GHz ~ 18GHz)             | ±4.82 dB |

The following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

#### 3.3 Summary of Test Result

| Item                                                 | Standard           | Requirement         | Result |
|------------------------------------------------------|--------------------|---------------------|--------|
| Antenna requirement                                  | 47 CFR Part 15.247 | Part 15.203         | Pass   |
| Conducted Emission at AC power line                  | 47 CFR Part 15.247 | 47 CFR 15.207(a)    | Pass   |
| Occupied Bandwidth                                   | 47 CFR Part 15.247 | 47 CFR 15.247(a)(2) | Pass   |
| Maximum Conducted Output Power                       | 47 CFR Part 15.247 | 47 CFR 15.247(b)(3) | Pass   |
| Power Spectral Density                               | 47 CFR Part 15.247 | 47 CFR 15.247(e)    | Pass   |
| Emissions in non-restricted frequency bands          | 47 CFR Part 15.247 | 47 CFR 15.247(d)    | Pass   |
| Band edge emissions (Radiated)                       | 47 CFR Part 15.247 | 47 CFR 15.247(d)    | Pass   |
| Emissions in restricted frequency bands (below 1GHz) | 47 CFR Part 15.247 | 47 CFR 15.247(d)    | Pass   |
| Emissions in restricted frequency bands (above 1GHz) | 47 CFR Part 15.247 | 47 CFR 15.247(d)    | Pass   |

## 4 Test Configuration

### 4.1 Test Equipment List

| Radiated test method            |                 |             |                      |            |            |
|---------------------------------|-----------------|-------------|----------------------|------------|------------|
| Test Equipment                  | Manufacturer    | Model       | Serial No.           | Cal. Date  | Cal. Due   |
| EMI Receiver                    | Rohde &Schwarz  | ESCI7       | 101032               | 2024/10/25 | 2025/10/24 |
| Signal Analyzer                 | Rohde & Schwarz | FSQ40       | 100010               | 2024/10/25 | 2025/10/24 |
| Log periodic antenna            | Schwarzbeck     | VULB 9168   | 01328                | 2024/10/28 | 2025/10/27 |
| Preamplifier<br>(30MHz ~ 1GHz)  | Schwarzbeck     | BBV9744     | 00246                | 2024/09/24 | 2025/09/23 |
| Horn Antenna<br>(1GHz ~18GHz)   | Schwarzbeck     | BBHA9120D   | 2597                 | 2024/10/30 | 2025/10/29 |
| Horn Antenna<br>(15GHz ~ 40GHz) | SCHWARZBECK     | BBHA9170    | 1157                 | 2024/10/24 | 2025/10/23 |
| Preamplifier<br>(1GHz ~ 40GHz)  | TST Pass        | LNA10180G45 | 246                  | 2024/09/24 | 2025/09/23 |
| Test Software                   | Frad            | EZ_EMG      | Version: FA-03A2 RE+ |            |            |

| Conducted Emission Test |                 |             |                         |            |            |
|-------------------------|-----------------|-------------|-------------------------|------------|------------|
| Description             | Manufacturer    | Model       | Serial No.              | Cal. Date  | Cal. Due   |
| EMI Receiver            | Rohde & Schwarz | ESCI3       | 101422                  | 2024/10/25 | 2025/10/24 |
| V-LISN                  | Schwarzbeck     | NSLK 8127   | 01073                   | 2024/10/25 | 2025/10/24 |
| Coaxial Switcher        | Schwarzbeck     | CX210       | CX210                   | 2024/10/25 | 2025/10/24 |
| Pulse Limiter           | Schwarzbeck     | VTSD 9561-F | 00953                   | 2024/10/25 | 2025/10/24 |
| Test Software           | Frad            | EZ_EMG      | Version: EMC-CON 3A1.1+ |            |            |

| Conducted test method               |               |           |              |            |            |
|-------------------------------------|---------------|-----------|--------------|------------|------------|
| Description                         | Manufacturer  | Model     | Serial No.   | Cal. Date  | Cal. Due   |
| Spectrum Analyzer                   | Keysight      | N9020A    | MY50410020   | 2024/10/25 | 2025/10/24 |
| ESG Vector Signal Generator         | Agilent       | E4438C    | MY45094854   | 2024/10/25 | 2025/10/24 |
| MXG Vector Signal Generator         | Agilent       | N5182A    | MY46240163   | 2024/10/25 | 2025/10/24 |
| Wideband Radio Communication Tester | Rohde&Schwarz | CMW500    | 161997       | 2024/10/25 | 2025/10/24 |
| Temperature Humidity Chamber        | ZZCKONG       | ZZ-K02A   | 20210928007  | 2024/10/25 | 2025/10/24 |
| DC Power Supply                     | Tongmen       | etm-6050c | 20211026123  | 2024/10/25 | 2025/10/24 |
| RF Control Unit                     | Techy         | TR1029-1  | /            | 2024/10/25 | 2025/10/24 |
| RF Sensor Unit                      | Techy         | TR1029-2  | /            | 2024/10/25 | 2025/10/24 |
| Test Software                       | TST Pass      | /         | Version: 2.0 |            |            |

## 4.2 Test Auxiliary Equipment

| No. | Description      | Manufacturer                        | Model         | Serial Number | Certification |
|-----|------------------|-------------------------------------|---------------|---------------|---------------|
| 1   | AC Power Adapter | Shenzhen Huajin Electronics Co.,LTD | HJ-0502000-US | N/A           | N/A           |
| 2   | N/A              | N/A                                 | N/A           | N/A           | N/A           |

## 4.3 Test Modes

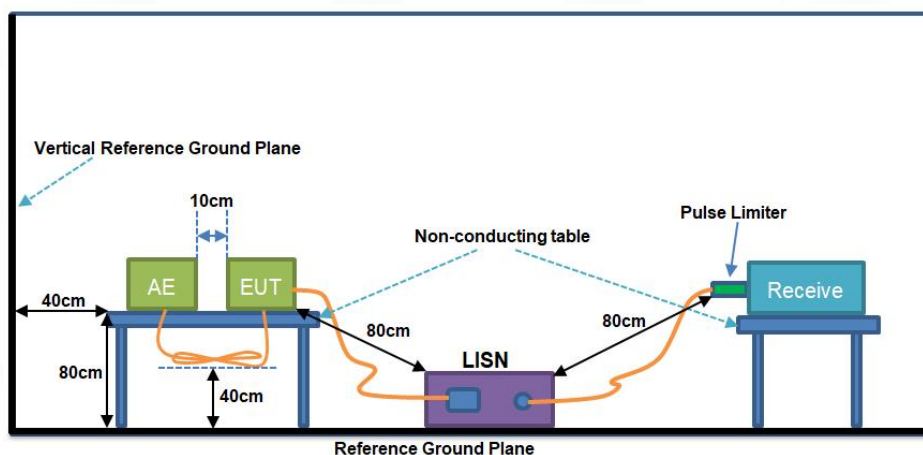
| No. | Test Modes | Description                                                                                             |
|-----|------------|---------------------------------------------------------------------------------------------------------|
| TM1 | TX mode    | Keep the EUT connect to AC power line and works in continuously transmitting mode with GFSK modulation. |

## 4.4 Test software

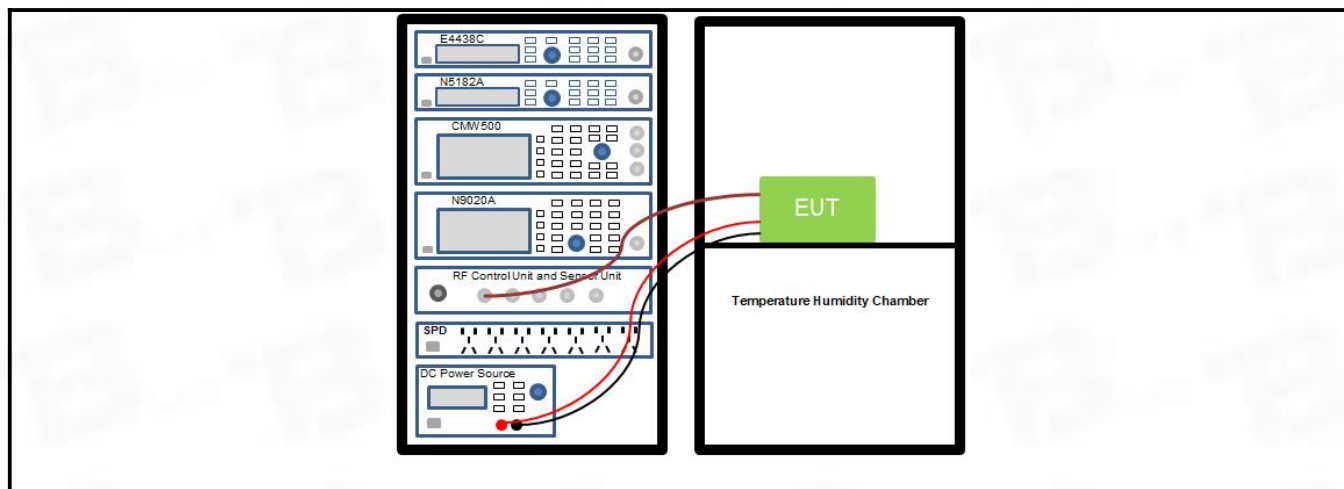
|                |                  |          |                                         |
|----------------|------------------|----------|-----------------------------------------|
| Test software: | Engineering mode | Version: | DOOGEE-Note 56-EEA-Android16.0-20250724 |
| Power Class:   | Default          |          |                                         |

## 4.5 Test Setup Block

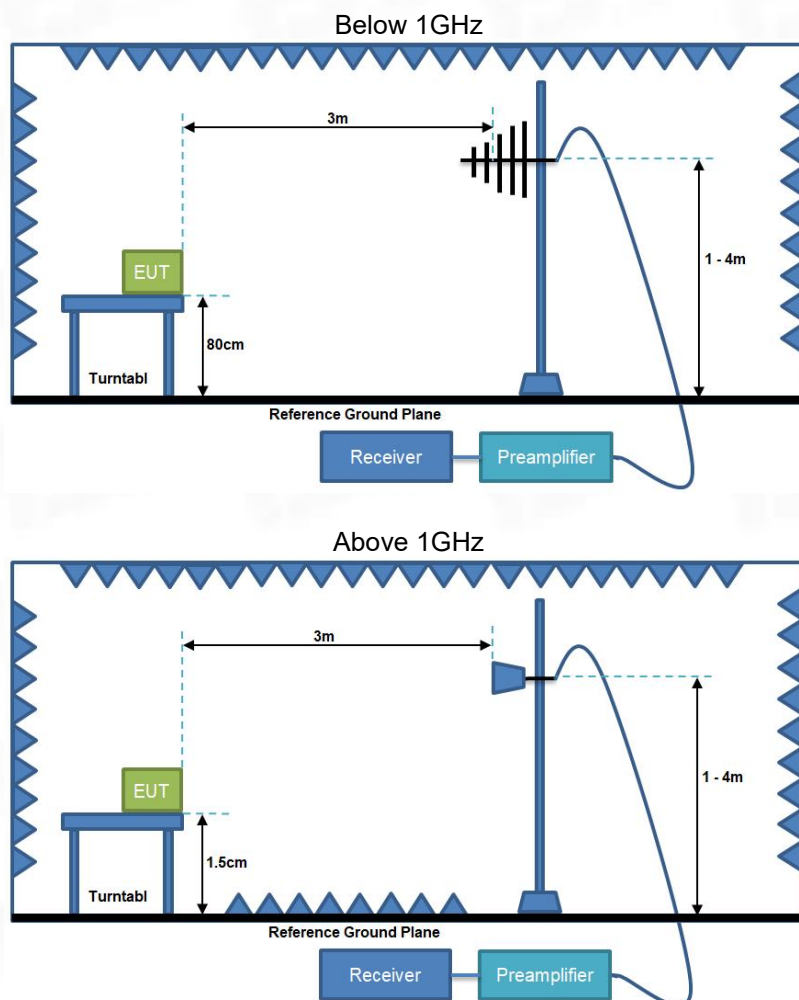
### 1) Conducted emission measurement:



### 2) Conducted test method:



### 3) Radiated test method:



## 5 Evaluation Results (Evaluation)

### 5.1 Antenna requirement

Test Requirement:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.

#### 5.1.1 Conclusion:Pass



## 6 Radio Spectrum Matter Test Results (RF)

### 6.1 Conducted Emission at AC power line

|                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                              |           |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------|
| Test Requirement:                               | Except as shown in paragraphs (b) and (c) of this section, for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table, as measured using a 50 $\mu$ H/50 ohms line impedance stabilization network (LISN). |                              |           |
| Test Method:                                    | Refer to ANSI C63.10-2020 section 6.2, standard test method for ac power-line conducted emissions from unlicensed wireless devices                                                                                                                                                                                                                                                                                                                   |                              |           |
| Test Limit:                                     | Frequency of emission (MHz)                                                                                                                                                                                                                                                                                                                                                                                                                          | Conducted limit (dB $\mu$ V) |           |
|                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 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. |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                              |           |

#### 6.1.1 E.U.T. Operation:

|                        |              |
|------------------------|--------------|
| Operating Environment: |              |
| Temperature:           | 25 °C        |
| Humidity:              | 49.5 %       |
| Atmospheric Pressure:  | 1010 hpa     |
| Test Voltage           | AC 120V 60Hz |

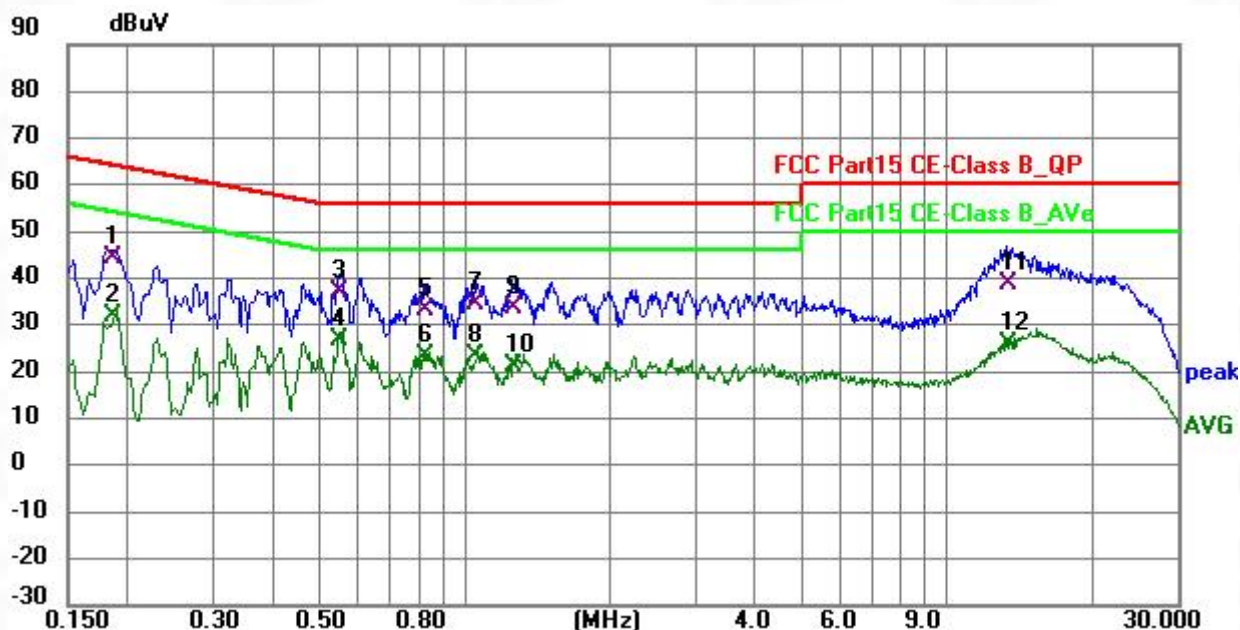
### 6.1.2 Test Setup

See section 4.5 for test setup description. The photo of test setup please refer to Appendix I Test Setup Photos

### 6.1.3 Test Data:

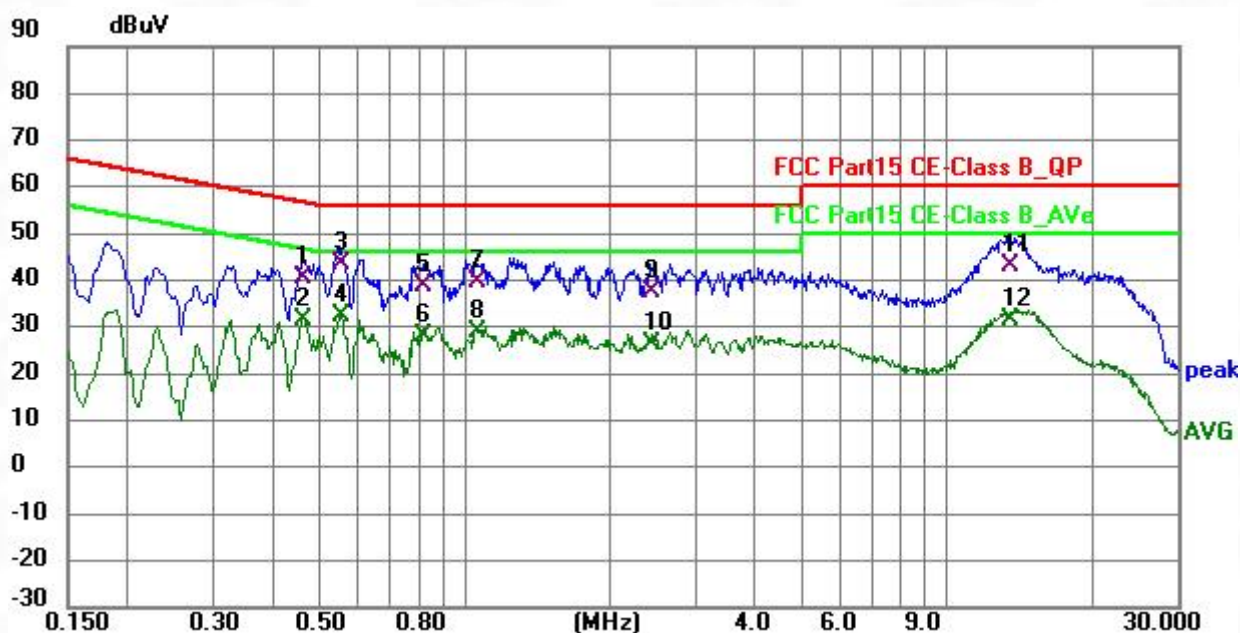
All modes had been tested, only show the bellow worst mode data

TM1 / Line: Line / Band: GFSK 1M 2402MHz



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB) | Level (dBuV) | Limit (dBuV) | Margin (dB) | Detector | P/F | Remark |
|-----|-----------------|----------------|-------------|--------------|--------------|-------------|----------|-----|--------|
| 1   | 0.1849          | 34.76          | 9.62        | 44.38        | 64.26        | -19.88      | QP       | P   |        |
| 2   | 0.1849          | 22.37          | 9.62        | 31.99        | 54.26        | -22.27      | AVG      | P   |        |
| 3 * | 0.5481          | 27.52          | 9.61        | 37.13        | 56.00        | -18.87      | QP       | P   |        |
| 4   | 0.5481          | 17.27          | 9.61        | 26.88        | 46.00        | -19.12      | AVG      | P   |        |
| 5   | 0.8227          | 23.75          | 9.62        | 33.37        | 56.00        | -22.63      | QP       | P   |        |
| 6   | 0.8227          | 13.70          | 9.62        | 23.32        | 46.00        | -22.68      | AVG      | P   |        |
| 7   | 1.0592          | 24.86          | 9.62        | 34.48        | 56.00        | -21.52      | QP       | P   |        |
| 8   | 1.0592          | 13.79          | 9.62        | 23.41        | 46.00        | -22.59      | AVG      | P   |        |
| 9   | 1.2569          | 24.16          | 9.62        | 33.78        | 56.00        | -22.22      | QP       | P   |        |
| 10  | 1.2569          | 11.39          | 9.62        | 21.01        | 46.00        | -24.99      | AVG      | P   |        |
| 11  | 13.3465         | 28.99          | 9.73        | 38.72        | 60.00        | -21.28      | QP       | P   |        |
| 12  | 13.3465         | 16.10          | 9.73        | 25.83        | 50.00        | -24.17      | AVG      | P   |        |

TM1 / Line: Neutral / GFSK 1M 2402MHz



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB) | Level (dBuV) | Limit (dBuV) | Margin (dB) | Detector | P/F | Remark |
|-----|-----------------|----------------|-------------|--------------|--------------|-------------|----------|-----|--------|
| 1   | 0.4621          | 30.87          | 9.61        | 40.48        | 56.65        | -16.17      | QP       | P   |        |
| 2   | 0.4621          | 21.73          | 9.61        | 31.34        | 46.65        | -15.31      | AVG      | P   |        |
| 3 * | 0.5519          | 33.85          | 9.61        | 43.46        | 56.00        | -12.54      | QP       | P   |        |
| 4   | 0.5519          | 22.62          | 9.61        | 32.23        | 46.00        | -13.77      | AVG      | P   |        |
| 5   | 0.8251          | 29.22          | 9.61        | 38.83        | 56.00        | -17.17      | QP       | P   |        |
| 6   | 0.8251          | 18.54          | 9.61        | 28.15        | 46.00        | -17.85      | AVG      | P   |        |
| 7   | 1.0647          | 30.20          | 9.62        | 39.82        | 56.00        | -16.18      | QP       | P   |        |
| 8   | 1.0647          | 19.39          | 9.62        | 29.01        | 46.00        | -16.99      | AVG      | P   |        |
| 9   | 2.4385          | 27.89          | 9.63        | 37.52        | 56.00        | -18.48      | QP       | P   |        |
| 10  | 2.4385          | 16.63          | 9.63        | 26.26        | 46.00        | -19.74      | AVG      | P   |        |
| 11  | 13.4887         | 33.51          | 9.74        | 43.25        | 60.00        | -16.75      | QP       | P   |        |
| 12  | 13.4887         | 21.89          | 9.74        | 31.63        | 50.00        | -18.37      | AVG      | P   |        |

Note:Margin=Level-Limit=Reading+factor-Limit

## 6.2 Occupied Bandwidth

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Requirement: | Systems using digital modulation techniques may operate in the 902-928 MHz, and 2400-2483.5 MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz.                                                                                                                                                                                                                                                                                                      |
| Test Method:      | DTS bandwidth                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Test Limit:       | Section (a)(2), Systems using digital modulation techniques may operate in the 902-928 MHz, and 2400-2483.5 MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz.                                                                                                                                                                                                                                                                                      |
| Procedure:        | a) Set RBW = 100 kHz.<br>b) Set the VBW $\geq [3 \times \text{RBW}]$ .<br>c) Detector = peak.<br>d) Trace mode = max hold.<br>e) Sweep = auto couple.<br>f) Allow the trace to stabilize.<br>g) Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission. |

### 6.2.1 E.U.T. Operation:

|                        |              |
|------------------------|--------------|
| Operating Environment: |              |
| Temperature:           | 23.7 °C      |
| Humidity:              | 53.4 %       |
| Atmospheric Pressure:  | 1010 hpa     |
| Test Voltage           | AC 120V 60Hz |

### 6.2.2 Test Setup

See section 4.5 for test setup description. The photo of test setup please refer to Appendix I Test Setup Photos

### 6.2.3 Test Data:

Please Refer to Appendix for Details.

### 6.3 Maximum Conducted Output Power

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Requirement: | For systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt. As an alternative to a peak power measurement, compliance with the one Watt limit can be based on a measurement of the maximum conducted output power. Maximum Conducted Output Power is defined as the total transmit power delivered to all antennas and antenna elements averaged across all symbols in the signaling alphabet when the transmitter is operating at its maximum power control level. Power must be summed across all antennas and antenna elements. The average must not include any time intervals during which the transmitter is off or is transmitting at a reduced power level. If multiple modes of operation are possible (e.g., alternative modulation methods), the maximum conducted output power is the highest total transmit power occurring in any mode. |
| Test Method:      | Maximum peak conducted output power                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Test Limit:       | For systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt. As an alternative to a peak power measurement, compliance with the one Watt limit can be based on a measurement of the maximum conducted output power. Maximum Conducted Output Power is defined as the total transmit power delivered to all antennas and antenna elements averaged across all symbols in the signaling alphabet when the transmitter is operating at its maximum power control level. Power must be summed across all antennas and antenna elements. The average must not include any time intervals during which the transmitter is off or is transmitting at a reduced power level. If multiple modes of operation are possible (e.g., alternative modulation methods), the maximum conducted output power is the highest total transmit power occurring in any mode. |
| Procedure:        | ANSI C63.10-2020, section 11.9.1 Maximum peak conducted output power                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

#### 6.3.1 E.U.T. Operation:

|                        |          |
|------------------------|----------|
| Operating Environment: |          |
| Temperature:           | 23.7 °C  |
| Humidity:              | 53.4 %   |
| Atmospheric Pressure:  | 1010 hpa |

#### 6.3.2 Test Setup

See section 4.5 for test setup description. The photo of test setup please refer to Appendix I Test Setup Photos

#### 6.3.3 Test Data:

Please Refer to Appendix for Details.

## 6.4 Power Spectral Density

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Requirement: | For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission. This power spectral density shall be determined in accordance with the provisions of paragraph (b) of this section. The same method of determining the conducted output power shall be used to determine the power spectral density. |
| Test Method:      | Maximum power spectral density level in the fundamental emission                                                                                                                                                                                                                                                                                                                                                                                               |
| Test Limit:       | For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission. This power spectral density shall be determined in accordance with the provisions of paragraph (b) of this section. The same method of determining the conducted output power shall be used to determine the power spectral density. |

### 6.4.1 E.U.T. Operation:

|                        |          |
|------------------------|----------|
| Operating Environment: |          |
| Temperature:           | 23.7 °C  |
| Humidity:              | 53.4 %   |
| Atmospheric Pressure:  | 1010 hpa |

### 6.4.2 Test Setup

See section 4.5 for test setup description. The photo of test setup please refer to Appendix I Test Setup Photos

### 6.4.3 Test Data:

Please Refer to Appendix for Details.

## 6.5 Emissions in non-restricted frequency bands

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Requirement: | In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated 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, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in § 15.209(a) is not required. |
| Test Method:      | Emissions in nonrestricted frequency bands                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Test Limit:       | In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated 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, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in § 15.209(a) is not required. |
| Procedure:        | ANSI C63.10-2020<br>Section 11.11.1, Section 11.11.2, Section 11.11.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

### 6.5.1 E.U.T. Operation:

|                        |              |
|------------------------|--------------|
| Operating Environment: |              |
| Temperature:           | 23.7 °C      |
| Humidity:              | 53.4 %       |
| Atmospheric Pressure:  | 1010 hpa     |
| Test Voltage           | AC 120V 60Hz |

### 6.5.2 Test Setup

See section 4.5 for test setup description. The photo of test setup please refer to Appendix I Test Setup Photos

### 6.5.3 Test Data:

Please Refer to Appendix for Details.

## 6.6 Band edge emissions (Radiated)

|                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                               |                                   |                               |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|-------------------------------|
| Test Requirement:                                                                                                                                                                                                                                                                                                                               | In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a)(see § 15.205(c)).` |                                   |                               |
| Test Method:                                                                                                                                                                                                                                                                                                                                    | Radiated emissions tests                                                                                                                                                                      |                                   |                               |
| Test Limit:                                                                                                                                                                                                                                                                                                                                     | Frequency (MHz)                                                                                                                                                                               | Field strength (microvolts/meter) | Measurement distance (meters) |
|                                                                                                                                                                                                                                                                                                                                                 | 0.009-0.490                                                                                                                                                                                   | 2400/F(kHz)                       | 300                           |
|                                                                                                                                                                                                                                                                                                                                                 | 0.490-1.705                                                                                                                                                                                   | 24000/F(kHz)                      | 30                            |
|                                                                                                                                                                                                                                                                                                                                                 | 1.705-30.0                                                                                                                                                                                    | 30                                | 30                            |
|                                                                                                                                                                                                                                                                                                                                                 | 30-88                                                                                                                                                                                         | 100 **                            | 3                             |
|                                                                                                                                                                                                                                                                                                                                                 | 88-216                                                                                                                                                                                        | 150 **                            | 3                             |
|                                                                                                                                                                                                                                                                                                                                                 | 216-960                                                                                                                                                                                       | 200 **                            | 3                             |
|                                                                                                                                                                                                                                                                                                                                                 | Above 960                                                                                                                                                                                     | 500                               | 3                             |
| ** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241. |                                                                                                                                                                                               |                                   |                               |
| Procedure:                                                                                                                                                                                                                                                                                                                                      | ANSI C63.10-2020 section 6.10.5.2                                                                                                                                                             |                                   |                               |

### 6.6.1 E.U.T. Operation:

|                        |              |
|------------------------|--------------|
| Operating Environment: |              |
| Temperature:           | 22.6 °C      |
| Humidity:              | 54.8 %       |
| Atmospheric Pressure:  | 1010 hpa     |
| Test Voltage           | AC 120V 60Hz |

### 6.6.2 Test Setup

See section 4.5 for test setup description. The photo of test setup please refer to Appendix I Test Setup Photos

### 6.6.3 Test Data:

**Remark:** During the test, pre-scan 1M, 2M mode, found 2M was worse case mode. The report only reflects the test data of worst mode.

| Test Results                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |          |                  |                | PASS                   |                |        |        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------|------------------|----------------|------------------------|----------------|--------|--------|
| Frequency Range                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |          |                  |                | 2310MHz~2410MHz        |                |        |        |
| Test Mode                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |          |                  |                | 2Mbps: GFSK TX 2402MHz |                |        |        |
| N o.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Freq MHz | Polarity | Reading (dBuV/m) | Correct Factor | Result (dBuV/m)        | Limit (dBuV/m) | Margin | Remark |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2390     | H        | 74.69            | -21.47         | 53.22                  | 74.00          | -20.78 | Peak   |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2390     | H        | --               | -21.47         | --                     | 54.00          | --     | Avg    |
| 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2400     | H        | 79.23            | -26.12         | 53.11                  | 74.00          | -20.89 | Peak   |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2400     | H        | --               | -26.12         | --                     | 54.00          | --     | Avg    |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2390     | V        | 74.59            | -21.47         | 53.12                  | 74.00          | -20.88 | Peak   |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2390     | V        | --               | -21.47         | --                     | 54.00          | --     | Avg    |
| 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2400     | V        | 78.85            | -26.12         | 52.73                  | 74.00          | -21.27 | Peak   |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2400     | V        | --               | -26.12         | --                     | 54.00          | --     | Avg    |
| Test Results                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |          |                  |                | PASS                   |                |        |        |
| Frequency Range                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |          |                  |                | 2450MHz~2550MHz        |                |        |        |
| Test Mode                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |          |                  |                | 2Mbps: GFSK TX 2480MHz |                |        |        |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2483.5   | H        | 79.02            | -25.29         | 53.73                  | 74.00          | -20.27 | Peak   |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2483.5   | H        | --               | -25.29         | --                     | 54.00          | --     | Avg    |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2483.5   | V        | 78.86            | -25.29         | 53.57                  | 74.00          | -20.43 | Peak   |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2483.5   | V        | --               | -25.29         | --                     | 54.00          | --     | Avg    |
| Note: 1. Means other frequency and mode comply with standard requirements and at least have 20dB margin.<br>2. Correct Factor=Cable Loss+ Antenna Factor-Amplifier Gain.<br>Result=Reading + Correct Factor.<br>Margin= Result-Limit.<br>3. If the limits for the measurement with the average detector are met when using a receiver with a peak detector, the test unit shall be deemed to meet both limits and the measurement with the average detector need not be carried out. |          |          |                  |                |                        |                |        |        |

Note: Margin=Level-Limit=Reading+factor-Limit

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Version: 1/00

## 6.7 RADIATED EMISSIONS (below 1GHz)

|                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                               |                                   |                               |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|-------------------------------|
| Test Requirement:                                                                                                                                                                                                                                                                                                                               | In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a)(see § 15.205(c)).` |                                   |                               |
| Test Method:                                                                                                                                                                                                                                                                                                                                    | Radiated emissions tests                                                                                                                                                                      |                                   |                               |
| Test Limit:                                                                                                                                                                                                                                                                                                                                     | Frequency (MHz)                                                                                                                                                                               | Field strength (microvolts/meter) | Measurement distance (meters) |
|                                                                                                                                                                                                                                                                                                                                                 | 0.009-0.490                                                                                                                                                                                   | 2400/F(kHz)                       | 300                           |
|                                                                                                                                                                                                                                                                                                                                                 | 0.490-1.705                                                                                                                                                                                   | 24000/F(kHz)                      | 30                            |
|                                                                                                                                                                                                                                                                                                                                                 | 1.705-30.0                                                                                                                                                                                    | 30                                | 30                            |
|                                                                                                                                                                                                                                                                                                                                                 | 30-88                                                                                                                                                                                         | 100 **                            | 3                             |
|                                                                                                                                                                                                                                                                                                                                                 | 88-216                                                                                                                                                                                        | 150 **                            | 3                             |
|                                                                                                                                                                                                                                                                                                                                                 | 216-960                                                                                                                                                                                       | 200 **                            | 3                             |
|                                                                                                                                                                                                                                                                                                                                                 | Above 960                                                                                                                                                                                     | 500                               | 3                             |
| ** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241. |                                                                                                                                                                                               |                                   |                               |
| Procedure:                                                                                                                                                                                                                                                                                                                                      | ANSI C63.10-2020 section 6.6.4                                                                                                                                                                |                                   |                               |

### 6.7.1 E.U.T. Operation:

|                        |              |
|------------------------|--------------|
| Operating Environment: |              |
| Temperature:           | 22.6 °C      |
| Humidity:              | 54.8 %       |
| Atmospheric Pressure:  | 1010 hpa     |
| Test Voltage           | AC 120V 60Hz |

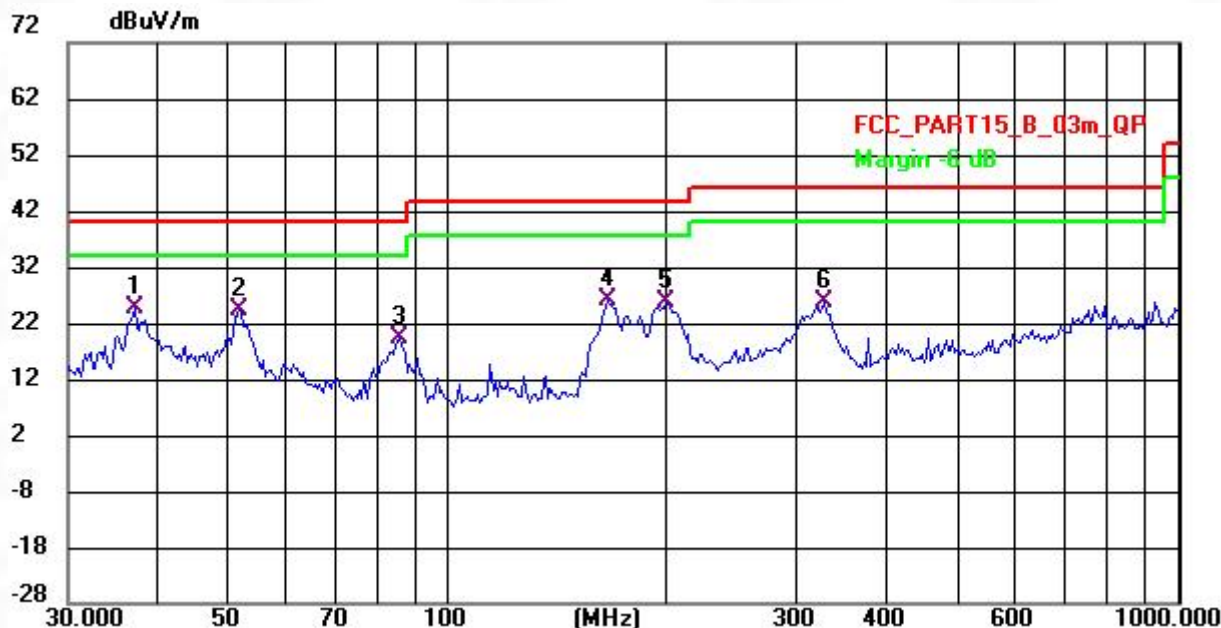
### 6.7.2 Test Setup

See section 4.5 for test setup description. The photo of test setup please refer to Appendix I Test Setup Photos

### 6.7.3 Test Data:

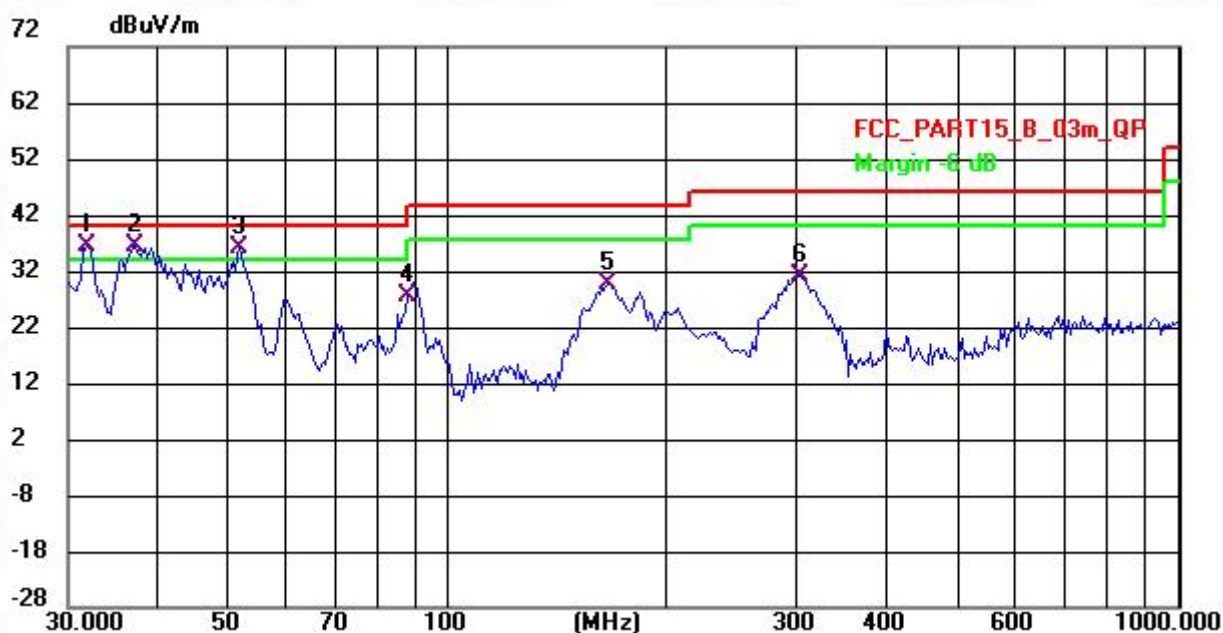
All modes had been tested, only show the bellow worst mode data

TM1 / Polarization: Horizontal / Band: GFSK 1M 2402MHz



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Azimuth (deg.) | P/F | Remark |
|-----|-----------------|----------------|-------------|----------------|----------------|-------------|----------|-------------|----------------|-----|--------|
| 1 * | 37.0405         | 46.71          | -22.08      | 24.63          | 40.00          | -15.37      | QP       | 200         | 3              | P   |        |
| 2   | 51.5365         | 45.84          | -21.47      | 24.37          | 40.00          | -15.63      | QP       | 200         | 294            | P   |        |
| 3   | 85.4769         | 44.71          | -25.53      | 19.18          | 40.00          | -20.82      | QP       | 200         | 205            | P   |        |
| 4   | 165.4716        | 47.32          | -21.31      | 26.01          | 43.50          | -17.49      | QP       | 200         | 107            | P   |        |
| 5   | 198.6424        | 50.29          | -24.60      | 25.69          | 43.50          | -17.81      | QP       | 100         | 103            | P   |        |
| 6   | 327.1554        | 46.21          | -20.59      | 25.62          | 46.00          | -20.38      | QP       | 100         | 269            | P   |        |

TM1 / Polarization: Vertical / GFSK 1M 2402MHz



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Azimuth (deg.) | P/F | Remark |
|-----|-----------------|----------------|-------------|----------------|----------------|-------------|----------|-------------|----------------|-----|--------|
| 1 * | 31.9586         | 59.42          | -22.79      | 36.63          | 40.00          | -3.37       | QP       | 200         | 8              | P   |        |
| 2 ! | 37.0405         | 58.65          | -22.08      | 36.57          | 40.00          | -3.43       | QP       | 100         | 337            | P   |        |
| 3 ! | 51.5363         | 57.49          | -21.47      | 36.02          | 40.00          | -3.98       | QP       | 200         | 209            | P   |        |
| 4   | 87.9135         | 53.14          | -25.52      | 27.62          | 40.00          | -12.38      | QP       | 100         | 284            | P   |        |
| 5   | 165.4716        | 50.95          | -21.31      | 29.64          | 43.50          | -13.86      | QP       | 100         | 58             | P   |        |
| 6   | 302.8193        | 52.35          | -21.29      | 31.06          | 46.00          | -14.94      | QP       | 100         | 337            | P   |        |

Note:Margin=Level-Limit=Reading+factor-Limit

## 6.8 RADIATED EMISSIONS (above 1GHz)

|                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                               |                                   |                               |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|-------------------------------|
| Test Requirement:                                                                                                                                                                                                                                                                                                                               | In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a)(see § 15.205(c)).` |                                   |                               |
| Test Method:                                                                                                                                                                                                                                                                                                                                    | Radiated emissions tests                                                                                                                                                                      |                                   |                               |
| Test Limit:                                                                                                                                                                                                                                                                                                                                     | Frequency (MHz)                                                                                                                                                                               | Field strength (microvolts/meter) | Measurement distance (meters) |
|                                                                                                                                                                                                                                                                                                                                                 | 0.009-0.490                                                                                                                                                                                   | 2400/F(kHz)                       | 300                           |
|                                                                                                                                                                                                                                                                                                                                                 | 0.490-1.705                                                                                                                                                                                   | 24000/F(kHz)                      | 30                            |
|                                                                                                                                                                                                                                                                                                                                                 | 1.705-30.0                                                                                                                                                                                    | 30                                | 30                            |
|                                                                                                                                                                                                                                                                                                                                                 | 30-88                                                                                                                                                                                         | 100 **                            | 3                             |
|                                                                                                                                                                                                                                                                                                                                                 | 88-216                                                                                                                                                                                        | 150 **                            | 3                             |
|                                                                                                                                                                                                                                                                                                                                                 | 216-960                                                                                                                                                                                       | 200 **                            | 3                             |
|                                                                                                                                                                                                                                                                                                                                                 | Above 960                                                                                                                                                                                     | 500                               | 3                             |
| ** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241. |                                                                                                                                                                                               |                                   |                               |
| Procedure:                                                                                                                                                                                                                                                                                                                                      | ANSI C63.10-2020 section 6.6.4                                                                                                                                                                |                                   |                               |

### 6.8.1 E.U.T. Operation:

|                        |              |
|------------------------|--------------|
| Operating Environment: |              |
| Temperature:           | 22.6 °C      |
| Humidity:              | 54.8 %       |
| Atmospheric Pressure:  | 1010 hpa     |
| Test Voltage           | AC 120V 60Hz |

## 6.8.2 Test Setup

See section 4.5 for test setup description. The photo of test setup please refer to Appendix I Test Setup Photos

## 6.8.3 Test Data:

**Remark:** During the test, pre-scan 1M, 2M mode, found 2M was worse case mode. The report only reflects the test data of worst mode.

| Test Mode : GFSK TX Low  |             |                     |                |                           |                       |                       |                    |                   |        |        |
|--------------------------|-------------|---------------------|----------------|---------------------------|-----------------------|-----------------------|--------------------|-------------------|--------|--------|
| No.                      | Freq<br>MHz | Reading<br>(dBuV/m) | Polar<br>(H/V) | Antenna<br>Factor<br>(dB) | Cable<br>loss<br>(dB) | Amp<br>Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin | Remark |
| 1                        | 4804        | 53.38               | V              | 33.93                     | 10.18                 | 34.26                 | 63.23              | 74                | -10.77 | PK     |
| 2                        | 4804        | 33.92               | V              | 33.93                     | 10.18                 | 34.26                 | 43.77              | 54                | -10.23 | AV     |
| 3                        | 7206        | /                   | /              | /                         | /                     | /                     | /                  | /                 | /      | /      |
| 4                        | 9608        | /                   | /              | /                         | /                     | /                     | /                  | /                 | /      | /      |
| 5                        | 4804        | 52.76               | H              | 33.93                     | 10.18                 | 34.26                 | 62.61              | 74                | -11.39 | PK     |
| 6                        | 4804        | 33.28               | H              | 33.93                     | 10.18                 | 34.26                 | 43.13              | 54                | -10.87 | AV     |
| 7                        | 7206        | --                  | --             | --                        |                       |                       | /                  |                   | /      | --     |
| 8                        | 9608        | --                  | --             | --                        |                       |                       | /                  |                   | /      | --     |
| Test Mode : GFSK TX Mid  |             |                     |                |                           |                       |                       |                    |                   |        |        |
| 1                        | 4880        | 52.32               | V              | 33.95                     | 10.2                  | 34.97                 | 61.50              | 74                | -12.50 | PK     |
| 2                        | 4880        | 32.39               | V              | 33.95                     | 10.2                  | 34.97                 | 41.57              | 54                | -12.43 | AV     |
| 3                        | 7320        | /                   | /              | /                         | /                     | /                     | /                  | /                 | /      | /      |
| 4                        | 9760        | /                   | /              | /                         | /                     | /                     | /                  | /                 | /      | /      |
| 5                        | 4880        | 53.16               | H              | 33.95                     | 10.2                  | 34.97                 | 62.34              | 74                | -11.66 | PK     |
| 6                        | 4880        | 32.57               | H              | 33.95                     | 10.2                  | 34.97                 | 41.75              | 54                | -12.25 | AV     |
| 7                        | 7320        | /                   | --             | --                        |                       |                       | /                  | --                | /      | --     |
| 8                        | 9760        | /                   | --             | --                        |                       |                       | /                  | --                | /      | --     |
| Test Mode : GFSK TX High |             |                     |                |                           |                       |                       |                    |                   |        |        |
| 1                        | 4960        | 53.06               | V              | 33.98                     | 10.22                 | 34.25                 | 63.01              | 74                | -10.99 | PK     |
| 2                        | 4960        | 33.19               | V              | 33.98                     | 10.22                 | 34.25                 | 43.14              | 54                | -10.86 | AV     |
| 3                        | 7440        | /                   | /              | /                         | /                     | /                     | /                  | /                 | /      | /      |
| 4                        | 9920        | /                   | /              | /                         | /                     | /                     | /                  | /                 | /      | /      |
| 5                        | 4960        | 52.99               | H              | 33.98                     | 10.22                 | 34.25                 | 62.94              | 74                | -11.06 | PK     |
| 6                        | 4960        | 32.72               | H              | 33.98                     | 10.22                 | 34.25                 | 42.67              | 54                | -11.33 | AV     |
| 7                        | 7440        | --                  | --             | --                        |                       |                       | --                 | --                |        | --     |
| 8                        | 9920        | --                  | --             | --                        |                       |                       | --                 | --                | --     | --     |

1, Result = Read level + Antenna factor + cable loss-Amp factor

2, All the other emissions not reported were too low to read and deemed to comply with FCC limit.

## 7 Test Setup Photos

Please refer to the Appendix I Test Setup Photos

## 8 EUT Constructional Details (EUT Photos)

Please refer to the Appendix II External Photos & Appendix III Internal Photos



Test Report Number: BTF251011R00302



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