

## FCC PART 15 SUBPART C TEST REPORT

### FCC PART 15.249

**Report Reference No.**..... : **MAX25110200P01-R02**

**FCC ID**..... : **2BTI7-IFLIGHT**

Compiled by  
( position+printed name+signature)..: Engineer/ Cindy Zheng

Supervised by  
( position+printed name+signature)..: Manager/Haley Wen

Approved by  
( position+printed name+signature)..: RF Manager/ Vivian Jiang

Date of issue.....: December 19, 2025

*Cindy Zheng*

*Haley Wen*

*Vivian Jiang*

**Testing Laboratory Name**.....: **MAXLAB Testing Co.,Ltd.**

Address.....: 1/F, Building B, Xinshidai GR Park, Shiyan Street, Bao'an District,  
Shenzhen, Guangdong, 518052, People' s Republic of China

**Applicant's name**.....: **Huizhou iFlight intelligent Technology Co., LTD**

Address.....: F2, F5-F6, Building B2, Galaxy IMC, Beixin Road, No.6, Zhongkai  
Avenue, Huizhou 516006, Guangdong, CHINA

**Test specification**..... :

Standard.....: **FCC CFR Title 47 Part 15 Subpart C Section 15.249**  
**ANSI C63.10:2020**

**MAXLAB Testing Co.,Ltd.All rights reserved.**

This publication may be reproduced in whole or in part for non-commercial purposes as long as the MAXLAB Testing Co.,Ltd. is acknowledged as copyright owner and source of the material. MAXLAB Testing Co.,Ltd. takes no responsibility for and will not assume liability for damages resulting from the reader's interpretation of the reproduced material due to its placement and context.

**Equipment description**.....: **remote control Commando 14**

Trade Mark.....: iFlight

Manufacturer.....: Huizhou iFlight intelligent Technology Co., LTD

Model/Type reference.....: Commando 14

Listed Models .....: Commando 14 Lite, Commando 14 PRO

Modulation .....: FSK

Frequency.....: 903MHz-927MHz

Ratings.....: DC 5-20V

Result.....: **PASS**

## TEST REPORT

**Equipment under Test** : **remote control Commando 14**

**Model /Type** : **Commando 14**

**Listed Models** : **Commando 14 Lite, Commando 14 PRO**

**Model Declaration** : **All the models are electrical identical including the same software parameter and hardware design, same mechanical structure and design, the only difference is the model named different.**

**Applicant** : **Huizhou iFlight intelligent Technology Co., LTD**

**Address** : **F2, F5-F6, Building B2, Galaxy IMC, Beixin Road, No.6, Zhongkai Avenue, Huizhou 516006, Guangdong, CHINA**

**Manufacturer** : **Huizhou iFlight intelligent Technology Co., LTD**

**Address** : **F2, F5-F6, Building B2, Galaxy IMC, Beixin Road, No.6, Zhongkai Avenue, Huizhou 516006, Guangdong, CHINA**

|                     |             |
|---------------------|-------------|
| <b>Test Result:</b> | <b>PASS</b> |
|---------------------|-------------|

The test report merely corresponds to the test sample.  
It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

## Contents

|          |                                                     |           |
|----------|-----------------------------------------------------|-----------|
| <b>1</b> | <b>TEST STANDARDS .....</b>                         | <b>4</b>  |
| <b>2</b> | <b>SUMMARY .....</b>                                | <b>5</b>  |
| 2.1      | General Remarks                                     | 5         |
| 2.2      | Product Description                                 | 5         |
| 2.3      | Equipment Under Test                                | 5         |
| 2.4      | Short description of the Equipment under Test (EUT) | 5         |
| 2.5      | EUT operation mode                                  | 6         |
| 2.6      | Block Diagram of Test Setup                         | 6         |
| 2.7      | Related Submittal(s) / Grant (s)                    | 6         |
| 2.8      | Modifications                                       | 6         |
| <b>3</b> | <b>TEST ENVIRONMENT .....</b>                       | <b>7</b>  |
| 3.1      | Address of the test laboratory                      | 7         |
| 3.2      | Test Facility                                       | 7         |
| 3.3      | Environmental conditions                            | 7         |
| 3.4      | Summary of measurement results                      | 8         |
| 3.5      | Statement of the measurement uncertainty            | 8         |
| 3.6      | Equipments Used during the Test                     | 9         |
| <b>4</b> | <b>TEST CONDITIONS AND RESULTS .....</b>            | <b>11</b> |
| 4.1      | AC Power Conducted Emission                         | 11        |
| 4.2      | Radiated Emissions and Band Edge                    | 14        |
| 4.3      | Bandwidth of Frequency Band Edge                    | 15        |
| 4.4      | Channel Bandwidth                                   | 22        |
| 4.5      | Antenna Requirement                                 | 25        |
| <b>5</b> | <b>TEST SETUP PHOTOS OF THE EUT .....</b>           | <b>28</b> |
| <b>6</b> | <b>PHOTOS OF THE EUT .....</b>                      | <b>29</b> |



## **1 TEST STANDARDS**

The tests were performed according to following standards:

[FCC Rules Part 15.249](#): Frequency Hopping, Direct Spread Spectrum and Hybrid Systems that are in operation within the bands of 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz and 24.0-24.25 GHz  
[ANSI C63.10-2020](#): American National Standard for Testing Unlicensed Wireless Devices

## **2 SUMMARY**

### **2.1 General Remarks**

|                                |   |                   |
|--------------------------------|---|-------------------|
| Date of receipt of test sample | : | December 1, 2025  |
|                                |   |                   |
| Testing commenced on           | : | December 1, 2025  |
|                                |   |                   |
| Testing concluded on           | : | December 19, 2025 |

### **2.2 Product Description**

|                                                                      |                                                                                                                 |
|----------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| Product Description:                                                 | remote control Commando 14                                                                                      |
| Model/Type reference:                                                | Commando 14                                                                                                     |
| Listed Models:                                                       | Commando 14 Lite, Commando 14 PRO                                                                               |
| Power supply:                                                        | DC 5- 20V                                                                                                       |
| Notebook information<br>(Auxiliary test supplied by<br>testing Lab): | Model: D108-DA01<br>Brand: Samsung<br>Firmware Version: V2.1<br>Manufacture:Suzhou Samsung Electronics Co., Ltd |
| Testing sample ID:                                                   | MAX25110200P01-R02-1# (Engineer sample)<br>MAX25110200P01-R02-2# (Normal sample)                                |
| Modulation:                                                          | FSK                                                                                                             |
| Operation frequency:                                                 | 903MHz-927MHz                                                                                                   |
| Channel number:                                                      | 25                                                                                                              |
| Transmit Peak Power:                                                 | 92.20 dBuV/m                                                                                                    |
| Antenna type:                                                        | External antenna                                                                                                |
| Antenna gain:                                                        | 2.36 dBi                                                                                                        |

### **2.3 Equipment Under Test**

#### **Power supply system utilised**

|                      |   |                                                                   |                                   |
|----------------------|---|-------------------------------------------------------------------|-----------------------------------|
| Power supply voltage | : | <input type="radio"/> 230V / 50 Hz                                | <input type="radio"/> 120V / 60Hz |
|                      |   | <input type="radio"/> 12 V DC                                     | <input type="radio"/> 24 V DC     |
|                      |   | <input checked="" type="radio"/> Other (specified in blank below) |                                   |

DC 5.0V

### **2.4 Short description of the Equipment under Test (EUT)**

This is a remote control Commando 14.  
For more details, refer to the user's manual of the EUT.

## 2.5 EUT operation mode

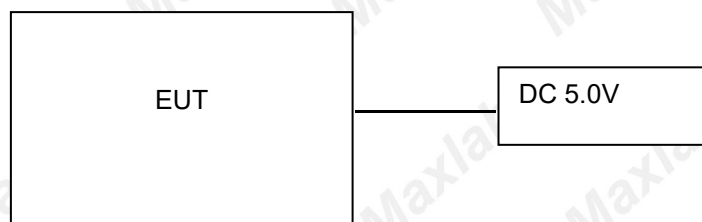
Keep the EUT in continuously transmitting mode.

### Operation Frequency:

| Channel | Frequency (MHz) | Channel | Frequency (MHz) |
|---------|-----------------|---------|-----------------|
| 1       | 903             | 14      | 916             |
| 2       | 904             | 15      | 917             |
| 3       | 905             | 16      | 918             |
| 4       | 906             | 17      | 919             |
| 5       | 907             | 18      | 920             |
| 6       | 908             | 19      | 921             |
| 7       | 909             | 20      | 922             |
| 8       | 910             | 21      | 923             |
| 9       | 911             | 22      | 924             |
| 10      | 912             | 23      | 925             |
| 11      | 913             | 24      | 926             |
| 12      | 914             | 25      | 927             |
| 13      | 915             |         |                 |

| Channel             | Frequency(MHz) |
|---------------------|----------------|
| The lowest channel  | 903            |
| The middle channel  | 915            |
| The Highest channel | 927            |

## 2.6 Block Diagram of Test Setup



## 2.7 Related Submittal(s) / Grant (s)

This submittal(s) (test report) is intended for the device filing to comply with Section 15.249 of the FCC Part 15, Subpart C Rules.

## 2.8 Modifications

No modifications were implemented to meet testing criteria.

### **3 TEST ENVIRONMENT**

#### **3.1 Address of the test laboratory**

**MAXLAB Testing Co.,Ltd.**

1/F, Building B, Xinshidai GR Park, Shiyan Street, Bao'an District, Shenzhen, Guangdong, 518052, People's Republic of China

#### **3.2 Test Facility**

**FCC-Registration No.: 562200 Designation Number: CN1338**

MAXLAB Testing Co.,Ltd. has been listed on the US Federal Communications Commission list of test facilities recognized to perform electromagnetic emissions measurements.

**Industry Canada Registration Number. Is: 11093A CAB identifier: CN0019**

The Laboratory has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing.

**A2LA-Lab Cert. No.: 4707.01**

MAXLAB Testing Co.,Ltd. has been listed by American Association for Laboratory Accreditation to perform electromagnetic emission measurement.

The 3m-Semi anechoic test site fulfils CISPR 16-1-4 according to ANSI C63.10 and CISPR 16-1-4:2010.

#### **3.3 Environmental conditions**

During the measurement the environmental conditions were within the listed ranges:

Radiated Emission:

|                       |              |
|-----------------------|--------------|
| Temperature:          | 23 ° C       |
|                       |              |
| Humidity:             | 44 %         |
|                       |              |
| Atmospheric pressure: | 950-1050mbar |

AC Main Conducted testing:

|                       |              |
|-----------------------|--------------|
| Temperature:          | 24 ° C       |
|                       |              |
| Humidity:             | 47 %         |
|                       |              |
| Atmospheric pressure: | 950-1050mbar |

Conducted testing:

|                       |              |
|-----------------------|--------------|
| Temperature:          | 24 ° C       |
|                       |              |
| Humidity:             | 46 %         |
|                       |              |
| Atmospheric pressure: | 950-1050mbar |

### 3.4 Summary of measurement results

| FCC Part15 (15.249) , Subpart C |                                                      |          |        |
|---------------------------------|------------------------------------------------------|----------|--------|
| Standard Section                | Test Item                                            | Judgment | Remark |
| FCC part 15.203                 | Antenna requirement                                  | PASS     |        |
| FCC part 15.207                 | AC Power Line Conducted Emission                     | PASS     |        |
| FCC part 15.249                 | Fundamental & Radiated Spurious Emission Measurement | PASS     |        |
| FCC part 15.215                 | 20dB Channel Bandwidth                               | PASS     |        |
| FCC part 15.205                 | Band Edge                                            | PASS     |        |

Remark:

1. The measurement uncertainty is not included in the test result.
2. We tested all test mode and recorded worst case in report
3. "N/A" denotes test is not applicable in this Test Report

### 3.5 Statement of the measurement uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. to TR-100028-01 "Electromagnetic compatibility and Radio spectrum Matters (ERM); Uncertainties in the measurement of mobile radio equipment characteristics; Part 1" and TR-100028-02 "Electromagnetic compatibility and Radio spectrum Matters (ERM); Uncertainties in the measurement of mobile radio equipment characteristics; Part 2" and is documented in the MAXLAB Testing Co.,Ltd. quality system acc. to DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

Hereafter the best measurement capability for MAXLAB Testing Co.,Ltd.:

| Test                        | Range      | Measurement Uncertainty | Notes |
|-----------------------------|------------|-------------------------|-------|
| Radiated Emission           | 9KHz~30MHz | 3.82 dB                 | (1)   |
| Radiated Emission           | 30~1000MHz | 4.06 dB                 | (1)   |
| Radiated Emission           | 1~18GHz    | 5.14 dB                 | (1)   |
| Radiated Emission           | 18~40GHz   | 5.38 dB                 | (1)   |
| Conducted Disturbance       | 0.15~30MHz | 2.14 dB                 | (1)   |
| Transmitter power conducted | 1~40GHz    | 0.57 dB                 | (1)   |
| Conducted spurious emission | 1~40GHz    | 1.60 dB                 | (1)   |
| OBW                         | 1~40GHz    | 25 Hz                   | (1)   |
| Occupied Bandwidth          | 1~40GHz    | 2%                      | (1)   |
| Band Edge                   | 1~40GHz    | 2%                      | (1)   |

- (1) This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

### 3.6 Equipments Used during the Test

| Conducted Emission        |                         |                      |            |              |            |
|---------------------------|-------------------------|----------------------|------------|--------------|------------|
| Test Equipment            | Manufacturer            | Model                | Serial No. | Date of Cal. | Due Date   |
| Shielding Room            | ZhongYu Electron        | 7.3(L)x3.1(W)x2.9(H) | MAX252     | 2025-10-27   | 2026-10-26 |
| EMI Test Receiver         | R&S                     | ESCI 7               | MAX552     | 2025-10-27   | 2026-10-26 |
| Coaxial Switch            | ANRITSU CORP            | MP59B                | MAX225     | 2025-10-27   | 2026-10-26 |
| ENV216 2-L-V-NETZNACHB.DE | ROHDE&SCHWARZ           | ENV216               | MAX226     | 2025-10-27   | 2026-10-26 |
| Coaxial Cable             | MAX                     | N/A                  | MAX227     | N/A          | N/A        |
| EMI Test Software         | AUDIX                   | E3                   | N/A        | N/A          | N/A        |
| Thermo meter              | KTJ                     | TA328                | MAX233     | 2025-10-27   | 2026-10-26 |
| Absorbing clamp           | Elektronik-Feinmechanik | MDS21                | MAX229     | 2025-10-27   | 2026-10-26 |
| LISN                      | R&S                     | ENV216               | 308        | 2025-10-27   | 2026-10-26 |
| LISN                      | R&S                     | ENV216               | 314        | 2025-10-27   | 2026-10-26 |

| Radiation Test equipment      |                                |                             |            |              |            |
|-------------------------------|--------------------------------|-----------------------------|------------|--------------|------------|
| Test Equipment                | Manufacturer                   | Model                       | Serial No. | Date of Cal. | Due Date   |
| 3m Semi- Anechoic Chamber     | ZhongYu Electron               | 9.2(L)*6.2(W)* 6.4(H)       | MAX250     | 2025-10-27   | 2026-10-26 |
| Control Room                  | ZhongYu Electron               | 6.2(L)*2.5(W)* 2.4(H)       | MAX251     | N/A          | N/A        |
| EMI Test Receiver             | Rohde & Schwarz                | ESU26                       | MAX203     | 2025-10-27   | 2026-10-26 |
| BiConiLog Antenna             | SCHWARZBECK<br>MESS-ELEKTRONIK | VULB9163                    | MAX214     | 2025-10-27   | 2026-10-26 |
| Double -ridged waveguide horn | SCHWARZBECK<br>MESS-ELEKTRONIK | BBHA 9120 D                 | MAX208     | 2025-10-27   | 2026-10-26 |
| Horn Antenna                  | ETS-LINDGREN                   | 3160                        | MAX217     | 2025-10-27   | 2026-10-26 |
| EMI Test Software             | AUDIX                          | E3                          | N/A        | N/A          | N/A        |
| Coaxial Cable                 | MAX                            | N/A                         | MAX213     | 2025-10-27   | 2026-10-26 |
| Coaxial Cable                 | MAX                            | N/A                         | MAX211     | 2025-10-27   | 2026-10-26 |
| Coaxial cable                 | MAX                            | N/A                         | MAX210     | 2025-10-27   | 2026-10-26 |
| Coaxial Cable                 | MAX                            | N/A                         | MAX212     | 2025-10-27   | 2026-10-26 |
| Amplifier(100kHz-3GHz)        | HP                             | 8347A                       | MAX204     | 2025-10-27   | 2026-10-26 |
| Amplifier(2GHz-20GHz)         | HP                             | 84722A                      | MAX206     | 2025-10-27   | 2026-10-26 |
| Amplifier (18-26GHz)          | Rohde & Schwarz                | AFS33-18002<br>650-30-8P-44 | MAX218     | 2025-10-27   | 2026-10-26 |
| Band filter                   | Amindeon                       | 82346                       | MAX219     | 2025-10-27   | 2026-10-26 |
| Power Meter                   | Anritsu                        | ML2495A                     | MAX540     | 2025-10-27   | 2026-10-26 |
| Power Sensor                  | Anritsu                        | MA2411B                     | MAX541     | 2025-10-27   | 2026-10-26 |

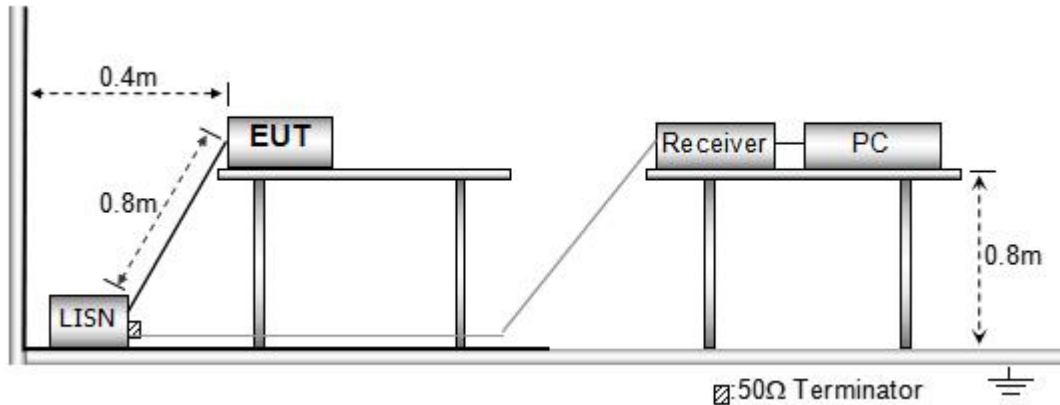
|                                     |                 |           |        |            |            |
|-------------------------------------|-----------------|-----------|--------|------------|------------|
| Wideband Radio Communication Tester | Rohde & Schwarz | CMW500    | MAX575 | 2025-10-27 | 2026-10-26 |
| Splitter                            | Agilent         | 11636B    | MAX237 | 2025-10-27 | 2026-10-26 |
| Loop Antenna                        | ZHINAN          | ZN30900A  | MAX534 | 2025-10-27 | 2026-10-26 |
| Breitband hornantenne               | SCHWARZBECK     | BBHA 9170 | MAX579 | 2025-10-27 | 2026-10-26 |
| Amplifier                           | TDK             | PA-02-02  | MAX574 | 2025-10-27 | 2026-10-26 |
| Amplifier                           | TDK             | PA-02-03  | MAX576 | 2025-10-27 | 2026-10-26 |
| PSA Series Spectrum Analyzer        | Rohde & Schwarz | FSP       | MAX578 | 2025-10-27 | 2026-10-26 |
| Antenna tower                       | SKET            | BK-4AT    | MAX589 | 2025-10-27 | 2026-10-26 |

| <b>RF Conducted Test:</b>                      |                     |                  |                   |                     |                 |
|------------------------------------------------|---------------------|------------------|-------------------|---------------------|-----------------|
| <b>Test Equipment</b>                          | <b>Manufacturer</b> | <b>Model</b>     | <b>Serial No.</b> | <b>Date of Cal.</b> | <b>Due Date</b> |
| MXA Signal Analyzer                            | Agilent             | N9020A           | MAX566            | 2025-10-27          | 2026-10-26      |
| EMI Test Receiver                              | R&S                 | ESCI 7           | MAX552            | 2025-10-27          | 2026-10-26      |
| Spectrum Analyzer                              | Agilent             | E4440A           | MAX533            | 2025-10-27          | 2026-10-26      |
| MXG vector Signal Generator                    | Agilent             | N5182A           | MAX567            | 2025-10-27          | 2026-10-26      |
| ESG Analog Signal Generator                    | Agilent             | E4428C           | MAX568            | 2025-10-27          | 2026-10-26      |
| USB RF Power Sensor                            | DARE                | RPR3006W         | MAX569            | 2025-10-27          | 2026-10-26      |
| RF Switch Box                                  | Shongyi             | RFSW3003328      | MAX571            | 2025-10-27          | 2026-10-26      |
| Programmable Constant Temp & Humi Test Chamber | WEWON               | WHTH-150L-40-880 | MAX572            | 2025-10-27          | 2026-10-26      |

## 4 TEST CONDITIONS AND RESULTS

### 4.1 AC Power Conducted Emission

#### TEST CONFIGURATION



#### TEST PROCEDURE

- 1 The equipment was set up as per the test configuration to simulate typical actual usage per the user's manual. The EUT is a tabletop system, a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per ANSI C63.10-2020.
- 2 Support equipment, if needed, was placed as per ANSI C63.10-2020
- 3 All I/O cables were positioned to simulate typical actual usage as per ANSI C63.10-2020
- 4 The EUT received power from adapter, the adapter received AC120V/60Hz and AC 240V/60Hz power through a Line Impedance Stabilization Network (LISN) which supplied power source and was grounded to the ground plane.
- 5 All support equipments received AC power from a second LISN, if any.
- 6 The EUT test program was started. Emissions were measured on each current carrying line of the EUT using a spectrum Analyzer / Receiver connected to the LISN powering the EUT. The LISN has two monitoring points: Line 1 (Hot Side) and Line 2 (Neutral Side). Two scans were taken: one with Line 1 connected to Analyzer / Receiver and Line 2 connected to a 50 ohm load; the second scan had Line 1 connected to a 50 ohm load and Line 2 connected to the Analyzer / Receiver.
- 7 Analyzer / Receiver scanned from 150 KHz to 30MHz for emissions in each of the test modes.
- 8 During the above scans, the emissions were maximized by cable manipulation.

#### AC Power Conducted Emission Limit

For intentional device, according to § 15.207(a) AC Power Conducted Emission Limits is as following:

| Frequency range (MHz) | Limit (dBuV) |           |
|-----------------------|--------------|-----------|
|                       | Quasi-peak   | Average   |
| 0.15-0.5              | 66 to 56*    | 56 to 46* |
| 0.5-5                 | 56           | 46        |
| 5-30                  | 60           | 50        |

\* Decreases with the logarithm of the frequency.

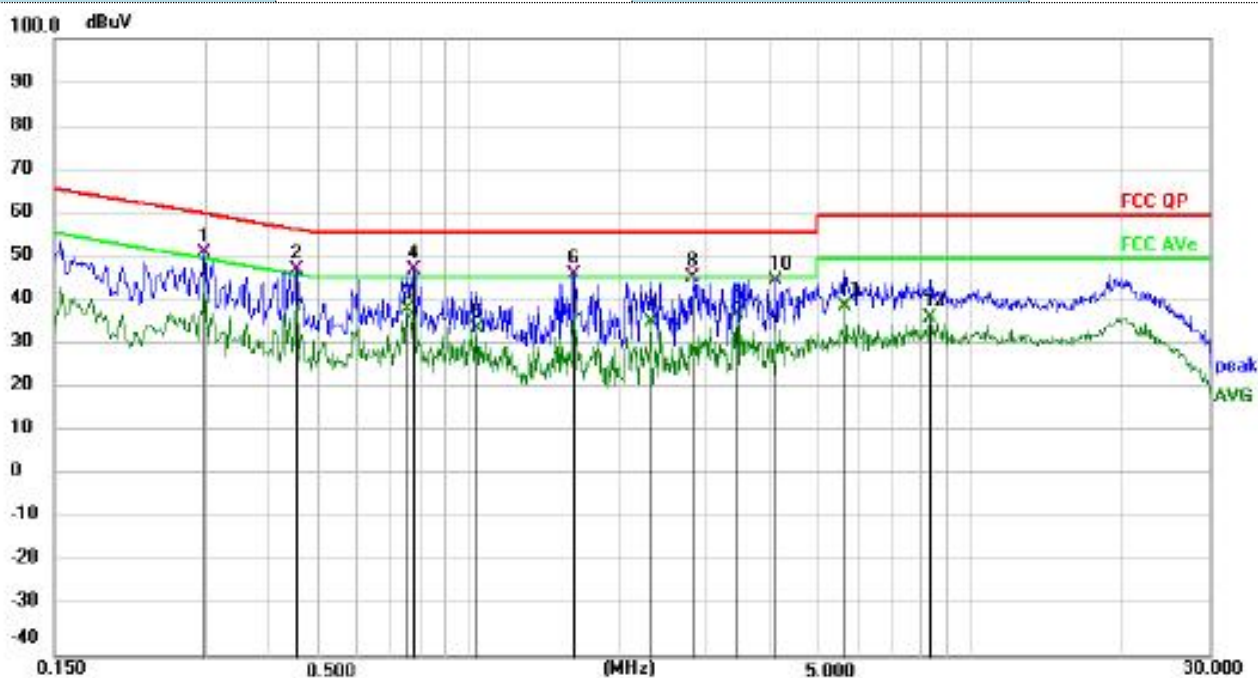
#### TEST RESULTS

Power supply:

DC 5V By adapter AC  
120V/60Hz

Polarization

L



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB) | Level (dBuV) | Limit (dBuV) | Margin (dB) | Detector | P/F |
|-----|-----------------|----------------|-------------|--------------|--------------|-------------|----------|-----|
| 1   | 0.2983          | 34.77          | 16.71       | 51.48        | 60.29        | -8.81       | QP       | P   |
| 2   | 0.4560          | 31.15          | 16.69       | 47.84        | 56.77        | -8.93       | QP       | P   |
| 3 * | 0.7620          | 22.05          | 16.65       | 38.70        | 46.00        | -7.30       | AVG      | P   |
| 4   | 0.7799          | 30.99          | 16.65       | 47.64        | 56.00        | -8.36       | QP       | P   |
| 5   | 1.0455          | 17.75          | 16.61       | 34.36        | 46.00        | -11.64      | AVG      | P   |
| 6   | 1.6305          | 30.00          | 16.54       | 46.54        | 56.00        | -9.46       | QP       | P   |
| 7   | 2.3100          | 19.43          | 16.44       | 35.87        | 46.00        | -10.13      | AVG      | P   |
| 8   | 2.8003          | 29.48          | 16.37       | 45.85        | 56.00        | -10.15      | QP       | P   |
| 9   | 3.4439          | 21.10          | 16.29       | 37.39        | 46.00        | -8.61       | AVG      | P   |
| 10  | 4.1325          | 29.17          | 16.21       | 45.38        | 56.00        | -10.62      | QP       | P   |
| 11  | 5.6805          | 23.26          | 15.97       | 39.23        | 50.00        | -10.77      | AVG      | P   |
| 12  | 8.3353          | 21.42          | 15.46       | 36.88        | 50.00        | -13.12      | AVG      | P   |

Note:1).Level (dBuV)= Reading (dBuV)+ Factor (dB)

2). Factor (dB)=insertion loss of LISN (dB) + Cable loss (dB)

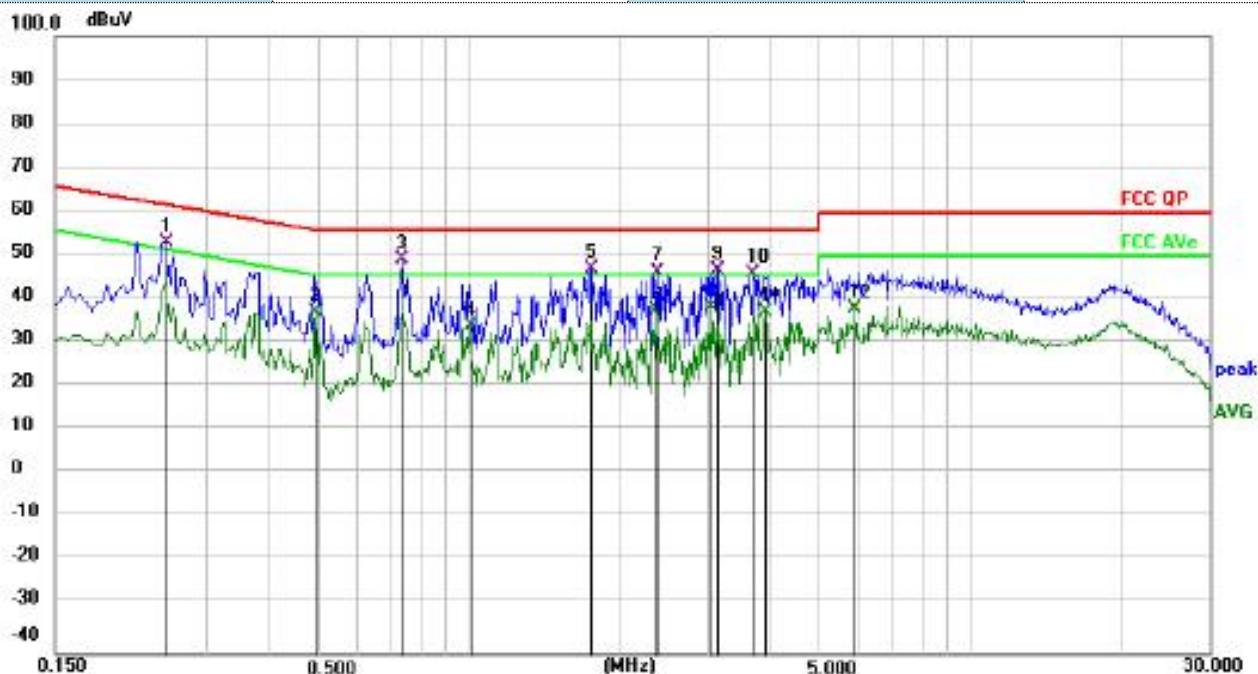
3). Margin(dB) = Level (dBuV) - Limit(dBuV)

Power supply:

DC 5V By adapter AC  
120V/60Hz

Polarization

N



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB) | Level (dBuV) | Limit (dBuV) | Margin (dB) | Detector | P/F |
|-----|-----------------|----------------|-------------|--------------|--------------|-------------|----------|-----|
| 1   | 0.2489          | 35.79          | 17.53       | 53.32        | 61.79        | -8.47       | QP       | P   |
| 2   | 0.4964          | 20.00          | 17.52       | 37.52        | 46.06        | -8.54       | AVG      | P   |
| 3 * | 0.7347          | 31.76          | 17.51       | 49.27        | 56.00        | -6.73       | QP       | P   |
| 4   | 1.0048          | 16.85          | 17.50       | 34.35        | 46.00        | -11.65      | AVG      | P   |
| 5   | 1.7563          | 29.81          | 17.48       | 47.29        | 56.00        | -8.71       | QP       | P   |
| 6   | 2.3685          | 20.46          | 17.46       | 37.92        | 46.00        | -8.08       | AVG      | P   |
| 7   | 2.3864          | 29.10          | 17.46       | 46.56        | 56.00        | -9.44       | QP       | P   |
| 8   | 3.0705          | 21.10          | 17.43       | 38.53        | 46.00        | -7.47       | AVG      | P   |
| 9   | 3.1425          | 29.50          | 17.43       | 46.93        | 56.00        | -9.07       | QP       | P   |
| 10  | 3.7094          | 29.02          | 17.42       | 46.44        | 56.00        | -9.56       | QP       | P   |
| 11  | 3.9209          | 20.17          | 17.42       | 37.59        | 46.00        | -8.41       | AVG      | P   |
| 12  | 5.9188          | 20.98          | 17.23       | 38.21        | 50.00        | -11.79      | AVG      | P   |

Note:1).Level (dBuV)= Reading (dBuV)+ Factor (dB)

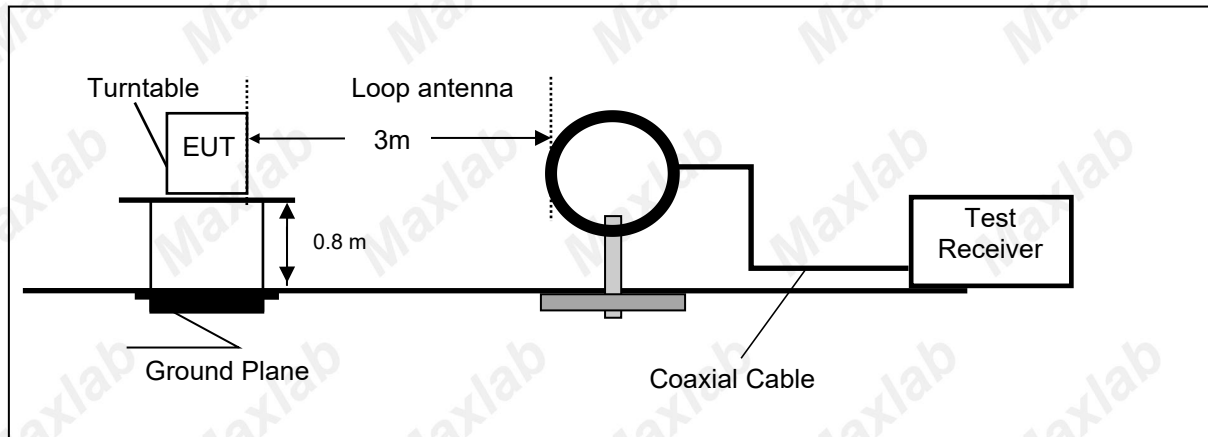
2). Factor (dB)=insertion loss of LISN (dB) + Cable loss (dB)

3). Margin(dB) = Level (dBuV) - Limit(dBuV)

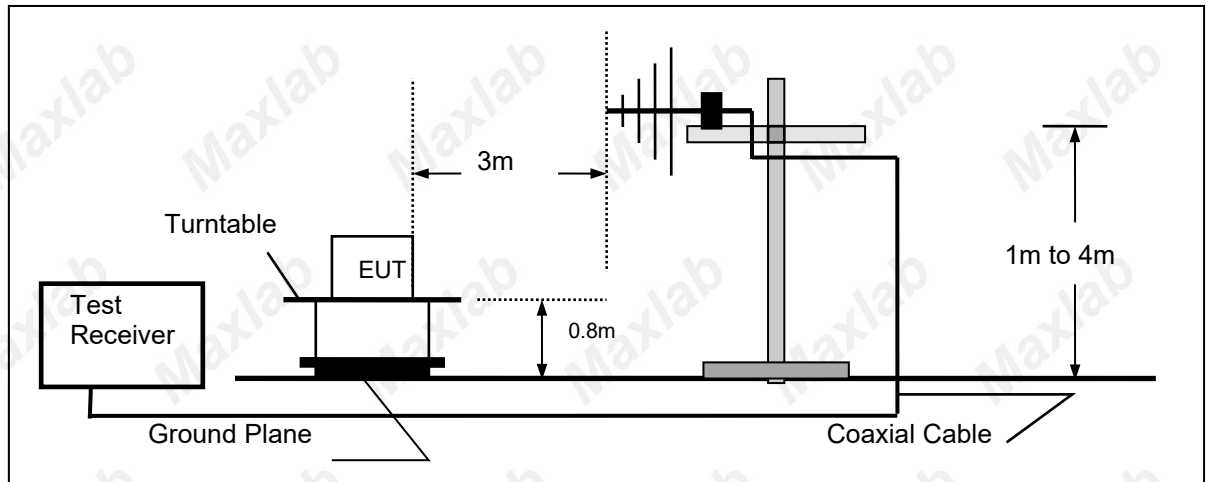
## 4.2 Radiated Emissions and Band Edge

### TEST CONFIGURATION

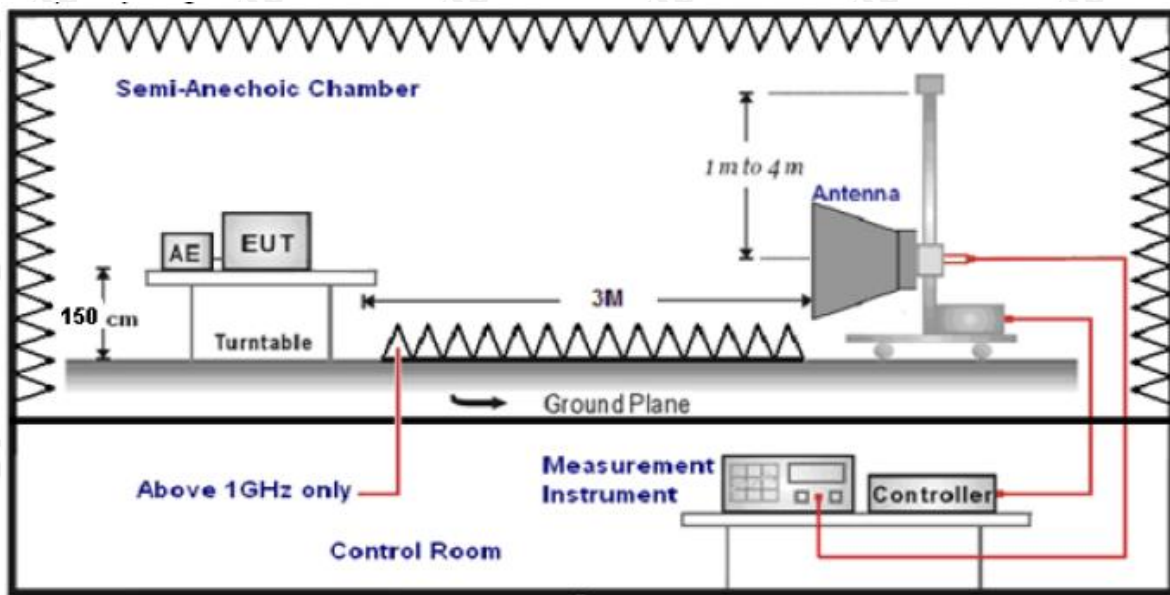
Frequency range 9 KHz – 30MHz



Frequency range 30MHz – 1000MHz



Frequency range above 1GHz-25GHz



## TEST PROCEDURE

1. The EUT was placed on a turn table which is 0.8m above ground plane when testing frequency range 9 KHz –1GHz;the EUT was placed on a turn table which is 1.5m above ground plane when testing frequency range 1GHz – 25GHz.
2. Maximum procedure was performed by raising the receiving antenna from 1m to 4m and rotating the turn table from 0° to 360° to acquire the highest emissions from EUT.
3. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
4. Repeat above procedures until all frequency measurements have been completed.
5. The EUT minimum operation frequency was 903.46MHz.so radiated emission test frequency band from 9KHz to 25GHz.
6. The distance between test antenna and EUT as following table states:

| Test Frequency range | Test Antenna Type          | Test Distance |
|----------------------|----------------------------|---------------|
| 9KHz-30MHz           | Active Loop Antenna        | 3             |
| 30MHz-1GHz           | Ultra-Broadband Antenna    | 3             |
| 1GHz-18GHz           | Double Ridged Horn Antenna | 3             |
| 18GHz-25GHz          | Horn Antenna               | 1             |

7. Setting test receiver/spectrum as following table states:

| Test Frequency range | Test Receiver/Spectrum Setting                                                                            | Detector |
|----------------------|-----------------------------------------------------------------------------------------------------------|----------|
| 9KHz-150KHz          | RBW=200Hz/VBW=3KHz, Sweep time=Auto                                                                       | QP       |
| 150KHz-30MHz         | RBW=9KHz/VBW=100KHz, Sweep time=Auto                                                                      | QP       |
| 30MHz-1GHz           | RBW=120KHz/VBW=1000KHz, Sweep time=Auto                                                                   | QP       |
| 1GHz-40GHz           | Peak Value: RBW=1MHz/VBW=3MHz,<br>Sweep time=Auto<br>Average Value: RBW=1MHz/VBW=10Hz,<br>Sweep time=Auto | Peak     |

## Field Strength Calculation

The field strength is calculated by adding the Antenna Factor and Cable Factor and subtracting the Amplifier Gain and Duty Cycle Correction Factor(if any) from the measured reading. The basic equation with a sample calculation is as follows:

$$FS = RA + AF + CL - AG$$

|                           |                                            |
|---------------------------|--------------------------------------------|
| Where FS = Field Strength | CL = Cable Attenuation Factor (Cable Loss) |
| RA = Reading Amplitude    | AG = Amplifier Gain                        |
| AF = Antenna Factor       |                                            |

$$Transd=AF +CL-AG$$

## **RADIATION LIMIT**

For intentional device, according to § 15.209(a), the general requirement of field strength of radiated emission from intentional radiators at a distance of 3 meters shall not exceed the following table. According to § 15.249(a)(d)(e), in any 100kHz bandwidth outside the frequency band in which the EUT is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of desired power.

The pre-test have done for the EUT in three axes and found the worst emission at position shown in test setup photos.

| Frequency (MHz) | Distance (Meters) | Radiated (dBμV/m)                          | Radiated (μV/m)       |
|-----------------|-------------------|--------------------------------------------|-----------------------|
| 0.009-0.49      | 3                 | $20\log(2400/F(\text{KHz}))+40\log(300/3)$ | $2400/F(\text{KHz})$  |
| 0.49-1.705      | 3                 | $20\log(24000/F(\text{KHz}))+40\log(30/3)$ | $24000/F(\text{KHz})$ |
| 1.705-30        | 3                 | $20\log(30)+40\log(30/3)$                  | 30                    |
| 30-88           | 3                 | 40.0                                       | 100                   |
| 88-216          | 3                 | 43.5                                       | 150                   |
| 216-960         | 3                 | 46.0                                       | 200                   |
| Above 960       | 3                 | 54.0                                       | 500                   |
| 902 - 928       | 3                 | 50 mV/m(94 dBuV/m)                         | 500 uV/m(54 dBuV/m)   |

## **TEST RESULTS**

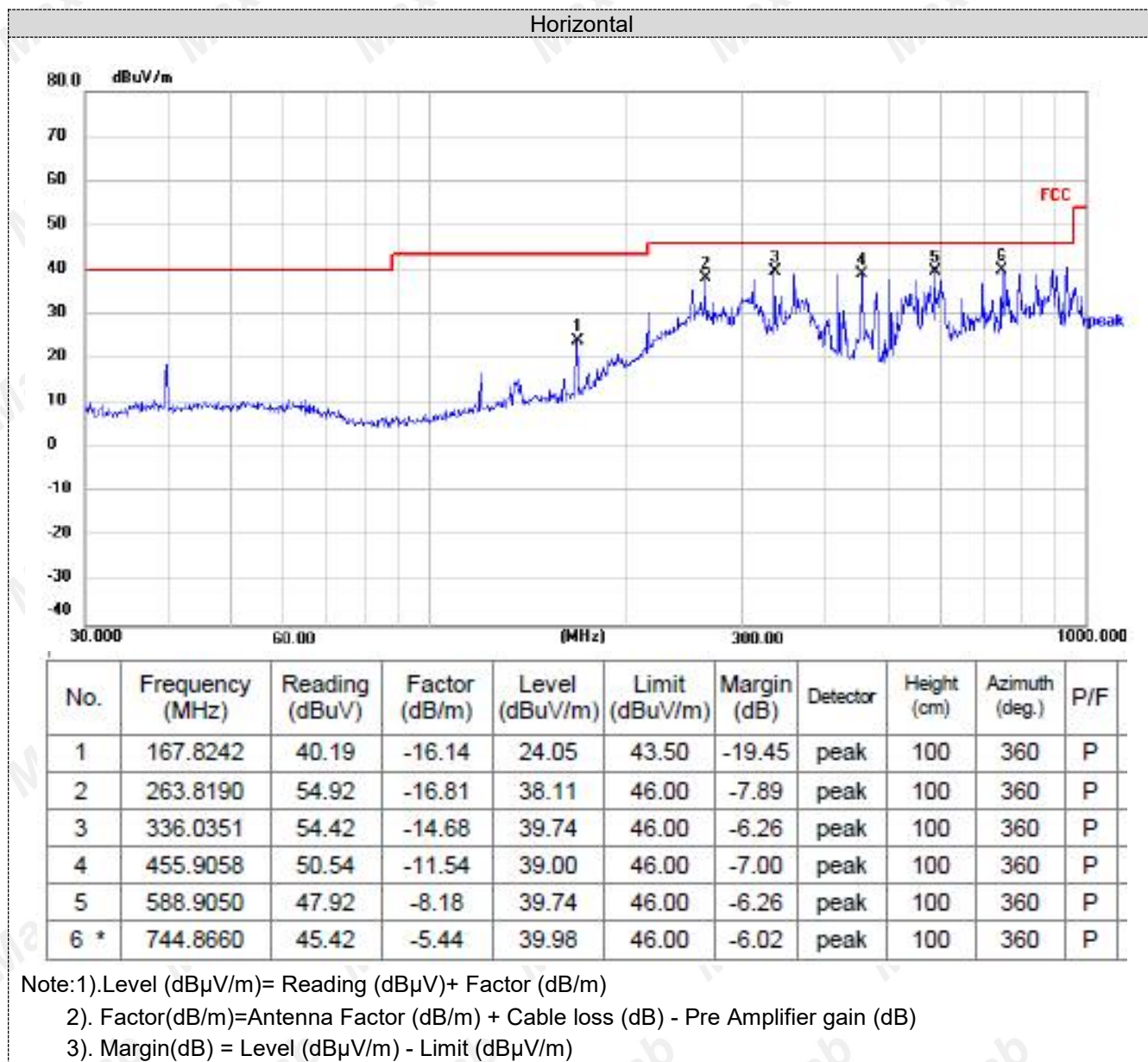
Remark:

1. This test was performed with EUT in X, Y, Z position and the worse case was found when EUT in X position.

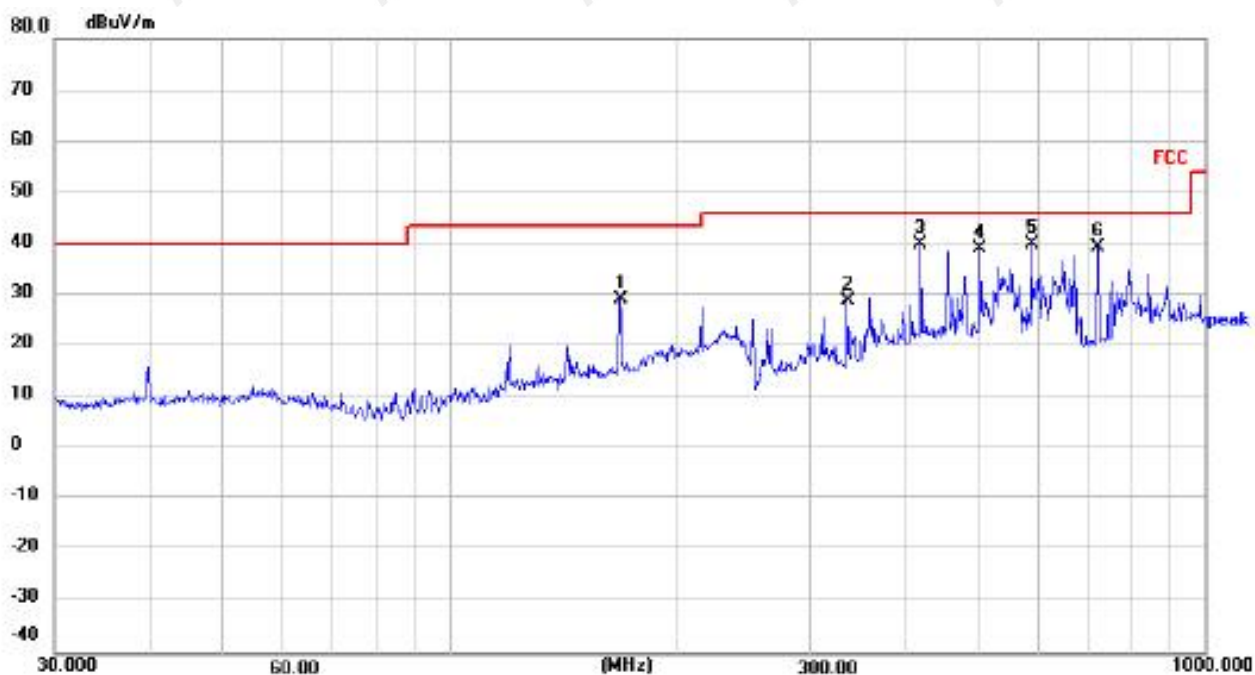
### **Below 30MHz**

The emission from 9 kHz to 30MHz was pre-tested and found the result was 20dB lower than the limit, and according to 15.31(o), the test result no need to reported.

### **For 30MHz-1GHz**



Vertical



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Azimuth (deg.) | P/F |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-------------|----------------|-----|
| 1   | 167.8242        | 45.15          | -16.14        | 29.01          | 43.50          | -14.49      | peak     | 100         | 0              | P   |
| 2   | 336.0351        | 43.56          | -14.68        | 28.88          | 46.00          | -17.12      | peak     | 100         | 0              | P   |
| 3 * | 420.5803        | 52.47          | -12.50        | 39.97          | 46.00          | -6.03       | peak     | 100         | 0              | P   |
| 4   | 504.7062        | 49.73          | -10.56        | 39.17          | 46.00          | -6.83       | peak     | 100         | 0              | P   |
| 5   | 588.9050        | 47.99          | -8.18         | 39.81          | 46.00          | -6.19       | peak     | 100         | 0              | P   |
| 6   | 721.7258        | 45.21          | -5.99         | 39.22          | 46.00          | -6.78       | peak     | 100         | 0              | P   |

Note:1).Level (dBuV/m)= Reading (dBuV)+ Factor (dB/m)

2). Factor(dB/m)=Antenna Factor (dB/m) + Cable loss (dB) - Pre Amplifier gain (dB)

3). Margin(dB) = Level (dBuV/m) - Limit (dBuV/m)

**For 1GHz to 25GHz**

| Frequency(MHz): |                   |                       | 903.0           |                    |                | Peak value          |                 |              |
|-----------------|-------------------|-----------------------|-----------------|--------------------|----------------|---------------------|-----------------|--------------|
| Frequency (MHz) | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamp Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | polarization |
| 1806.00         | 60.45             | 21.52                 | 3.52            | 33.12              | 52.37          | 74                  | -21.63          | Horizontal   |
| 2709.00         | 55.64             | 23.65                 | 4.56            | 33.08              | 50.77          | 74                  | -23.23          | Horizontal   |
| 3612.00         | 50.42             | 25.58                 | 6.15            | 33.57              | 48.58          | 74                  | -25.42          | Horizontal   |
| 4515.00         | 45.32             | 27.68                 | 6.98            | 33.26              | 46.72          | 74                  | -27.28          | Horizontal   |
| 1806.00         | 55.46             | 21.52                 | 3.52            | 33.12              | 47.38          | 74                  | -26.62          | Vertical     |
| 2709.00         | 50.26             | 23.65                 | 4.56            | 33.08              | 45.39          | 74                  | -28.61          | Vertical     |
| 3612.00         | 45.32             | 25.58                 | 6.15            | 33.57              | 43.48          | 74                  | -30.52          | Vertical     |
| 4515.00         | 40.33             | 27.68                 | 6.98            | 33.26              | 41.73          | 74                  | -32.27          | Vertical     |

| Frequency(MHz): |                   |                       | 903.0           |                    |                | Average value       |                 |              |
|-----------------|-------------------|-----------------------|-----------------|--------------------|----------------|---------------------|-----------------|--------------|
| Frequency (MHz) | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamp Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | polarization |
| 1806.00         | 50.25             | 21.52                 | 3.52            | 33.12              | 42.17          | 54                  | -11.83          | Horizontal   |
| 2709.00         | 45.26             | 23.65                 | 4.56            | 33.08              | 40.39          | 54                  | -13.61          | Horizontal   |
| 3612.00         | 40.35             | 25.58                 | 6.15            | 33.57              | 38.51          | 54                  | -15.49          | Horizontal   |
| 4515.00         | 35.41             | 27.68                 | 6.98            | 33.26              | 36.81          | 54                  | -17.19          | Horizontal   |
| 1806.00         | 45.65             | 21.52                 | 3.52            | 33.12              | 37.57          | 54                  | -16.43          | Vertical     |
| 2709.00         | 40.52             | 23.65                 | 4.56            | 33.08              | 35.65          | 54                  | -18.35          | Vertical     |
| 3612.00         | 35.65             | 25.58                 | 6.15            | 33.57              | 33.81          | 54                  | -20.19          | Vertical     |
| 4515.00         | 30.24             | 27.68                 | 6.98            | 33.26              | 31.64          | 54                  | -22.36          | Vertical     |

| Frequency(MHz): |                   |                       | 915.0           |                    |                | Peak value          |                 |              |
|-----------------|-------------------|-----------------------|-----------------|--------------------|----------------|---------------------|-----------------|--------------|
| Frequency (MHz) | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamp Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | polarization |
| 1830.00         | 60.24             | 21.78                 | 3.58            | 33.27              | 52.33          | 74                  | -21.67          | Horizontal   |
| 2745.00         | 55.14             | 24.15                 | 4.57            | 33.87              | 49.99          | 74                  | -24.01          | Horizontal   |
| 3660.00         | 50.32             | 26.04                 | 6.24            | 33.19              | 49.41          | 74                  | -24.59          | Horizontal   |
| 4575.00         | 45.24             | 27.98                 | 7.18            | 33.68              | 46.72          | 74                  | -27.28          | Horizontal   |
| 1830.00         | 55.74             | 21.78                 | 3.58            | 33.27              | 47.83          | 74                  | -26.17          | Vertical     |
| 2745.00         | 50.29             | 24.15                 | 4.57            | 33.87              | 45.14          | 74                  | -28.86          | Vertical     |
| 3660.00         | 45.34             | 26.04                 | 6.24            | 33.19              | 44.43          | 74                  | -29.57          | Vertical     |
| 4575.00         | 40.21             | 27.98                 | 7.18            | 33.68              | 41.69          | 74                  | -32.31          | Vertical     |

| Frequency(MHz): |                   |                       | 915.0           |                          |                | Average value       |                 |              |
|-----------------|-------------------|-----------------------|-----------------|--------------------------|----------------|---------------------|-----------------|--------------|
| Frequency (MHz) | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamplifier Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | polarization |
| 1830.00         | 45.26             | 21.78                 | 3.58            | 33.27                    | 37.35          | 54                  | -16.65          | Horizontal   |
| 2745.00         | 40.53             | 24.15                 | 4.57            | 33.87                    | 35.38          | 54                  | -18.62          | Horizontal   |
| 3660.00         | 35.84             | 26.04                 | 6.24            | 33.19                    | 34.93          | 54                  | -19.07          | Horizontal   |
| 4575.00         | 30.63             | 27.98                 | 7.18            | 33.68                    | 32.11          | 54                  | -21.89          | Horizontal   |
| 1830.00         | 45.57             | 21.78                 | 3.58            | 33.27                    | 37.66          | 54                  | -16.34          | Vertical     |
| 2745.00         | 40.26             | 24.15                 | 4.57            | 33.87                    | 35.11          | 54                  | -18.89          | Vertical     |
| 3660.00         | 35.86             | 26.04                 | 6.24            | 33.19                    | 34.95          | 54                  | -19.05          | Vertical     |
| 4575.00         | 30.29             | 27.98                 | 7.18            | 33.68                    | 31.77          | 54                  | -22.23          | Vertical     |

| Frequency(MHz): |                   |                       | 927.0           |                          |                | Peak value          |                 |              |
|-----------------|-------------------|-----------------------|-----------------|--------------------------|----------------|---------------------|-----------------|--------------|
| Frequency (MHz) | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamplifier Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | polarization |
| 1854.00         | 60.12             | 22.56                 | 4.17            | 33.75                    | 53.1           | 74                  | -20.9           | Horizontal   |
| 2781.00         | 55.36             | 24.78                 | 5.36            | 33.17                    | 52.33          | 74                  | -21.67          | Horizontal   |
| 3708.00         | 50.48             | 27.14                 | 6.97            | 33.62                    | 50.97          | 74                  | -23.03          | Horizontal   |
| 4635.00         | 45.65             | 28.16                 | 7.65            | 33.58                    | 47.88          | 74                  | -26.12          | Horizontal   |
| 1854.00         | 55.47             | 22.56                 | 4.17            | 33.75                    | 48.45          | 74                  | -25.55          | Vertical     |
| 2781.00         | 50.46             | 24.78                 | 5.36            | 33.17                    | 47.43          | 74                  | -26.57          | Vertical     |
| 3708.00         | 45.26             | 27.14                 | 6.97            | 33.62                    | 45.75          | 74                  | -28.25          | Vertical     |
| 4635.00         | 40.83             | 28.16                 | 7.65            | 33.58                    | 43.06          | 74                  | -30.94          | Vertical     |

| Frequency(MHz): |                   |                       | 927.0           |                          |                | Average value       |                 |              |
|-----------------|-------------------|-----------------------|-----------------|--------------------------|----------------|---------------------|-----------------|--------------|
| Frequency (MHz) | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamplifier Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | polarization |
| 1854.00         | 45.62             | 22.56                 | 4.17            | 33.75                    | 38.6           | 54                  | -15.4           | Horizontal   |
| 2781.00         | 40.21             | 24.78                 | 5.36            | 33.17                    | 37.18          | 54                  | -16.82          | Horizontal   |
| 3708.00         | 35.29             | 27.14                 | 6.97            | 33.62                    | 35.78          | 54                  | -18.22          | Horizontal   |
| 4635.00         | 30.43             | 28.16                 | 7.65            | 33.58                    | 32.66          | 54                  | -21.34          | Horizontal   |
| 1854.00         | 45.63             | 22.56                 | 4.17            | 33.75                    | 38.61          | 54                  | -15.39          | Vertical     |
| 2781.00         | 40.15             | 24.78                 | 5.36            | 33.17                    | 37.12          | 54                  | -16.88          | Vertical     |
| 3708.00         | 35.29             | 27.14                 | 6.97            | 33.62                    | 35.78          | 54                  | -18.22          | Vertical     |
| 4635.00         | 30.96             | 28.16                 | 7.65            | 33.58                    | 33.19          | 54                  | -20.81          | Vertical     |

**Remark:**

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.
3. Scan from 1GHz to 25GHz, the disturbance above 6GHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.
4. The field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.

### 4.3 BANDWIDTH OF FREQUENCY BAND EDGE

#### 4.3.1 Test Requirement:

|                       |                                                                                                    |          |      |      |         |
|-----------------------|----------------------------------------------------------------------------------------------------|----------|------|------|---------|
| Test Requirement:     | FCC Part15 C Section 15.209 and 15.205                                                             |          |      |      |         |
| Test Method:          | ANSI C63.10: 2013                                                                                  |          |      |      |         |
| Test Frequency Range: | All of the restrict bands were tested, only the worst band's (2310MHz to 2500MHz) data was showed. |          |      |      |         |
| Test site:            | Measurement Distance: 3m                                                                           |          |      |      |         |
| Receiver setup:       | Frequency                                                                                          | Detector | RBW  | VBW  | Value   |
|                       | Above 1GHz                                                                                         | Peak     | 1MHz | 3MHz | Peak    |
|                       |                                                                                                    | Average  | 1MHz | 3MHz | Average |

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in § 15.209, whichever is the lesser attenuation

#### 4.3.2 TEST PROCEDURE

Above 1GHz test procedure as below:

1. The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation.
- The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading.
- The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
- Test the EUT in the lowest channel, the Highest channel

Note:

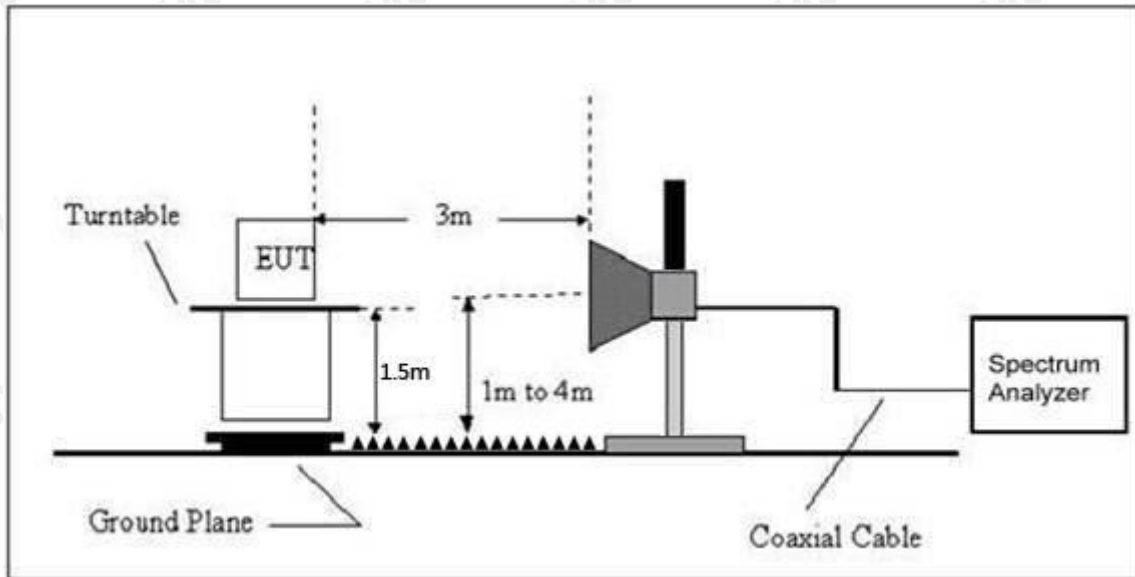
Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported

#### 4.3.3 DEVIATION FROM TEST STANDARD

No deviation

#### 4.3.4 TEST SETUP

Radiated Emission Test-Up Frequency Above 1GHz



4.3.5 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of 2.3 Unless otherwise a special operating condition is specified in the follows during the testing.

#### 4.3.6 TEST RESULT

Measurement data:

Field Strength of The Fundamental Signal

**Peak value:**

| Frequency (MHz) | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamplifier Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | polarization |
|-----------------|-------------------|-----------------------|-----------------|--------------------------|----------------|---------------------|-----------------|--------------|
| 903.00          | 99.85             | 22.55                 | 3.25            | 33.45                    | 92.20          | 114                 | -21.80          | Horizontal   |
| 903.00          | 97.85             | 22.55                 | 3.25            | 33.45                    | 90.20          | 114                 | -23.80          | Vertical     |
| 915.00          | 96.54             | 23.05                 | 3.36            | 33.15                    | 89.80          | 114                 | -24.20          | Horizontal   |
| 915.00          | 94.82             | 23.05                 | 3.36            | 33.15                    | 88.08          | 114                 | -25.92          | Vertical     |
| 927.00          | 92.46             | 23.57                 | 3.67            | 33.68                    | 86.02          | 114                 | -27.98          | Horizontal   |
| 927.00          | 90.24             | 23.57                 | 3.67            | 33.68                    | 83.80          | 114                 | -30.20          | Vertical     |

**Average value:**

| Frequency (MHz) | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamplifier Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | polarization |
|-----------------|-------------------|-----------------------|-----------------|--------------------------|----------------|---------------------|-----------------|--------------|
| 903.00          | 88.98             | 22.55                 | 3.25            | 33.45                    | 81.33          | 94                  | -12.67          | Horizontal   |
| 903.00          | 86.54             | 22.55                 | 3.25            | 33.45                    | 78.89          | 94                  | -15.11          | Vertical     |
| 915.00          | 85.54             | 23.05                 | 3.36            | 33.15                    | 78.80          | 94                  | -15.20          | Horizontal   |
| 915.00          | 84.21             | 23.05                 | 3.36            | 33.15                    | 77.47          | 94                  | -16.53          | Vertical     |
| 927.00          | 83.41             | 23.57                 | 3.67            | 33.68                    | 76.97          | 94                  | -17.03          | Horizontal   |
| 927.00          | 81.63             | 23.57                 | 3.67            | 33.68                    | 75.19          | 94                  | -18.81          | Vertical     |

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor

#### 4.4 Channel Bandwidth

|                   |                                 |
|-------------------|---------------------------------|
| Test Requirement: | FCC Part15 C Section 15.215/249 |
| Test Method:      | ANSI C63.10: 2020               |

##### 4.4.1 Applied procedures / limit

| FCC Part15 (15.215) , Subpart C |           |                       |        |
|---------------------------------|-----------|-----------------------|--------|
| Section                         | Test Item | Frequency Range (MHz) | Result |
| 15.215                          | Bandwidth | 902~928               | PASS   |

##### 4.4.2 TEST PROCEDURE

- 1) Span equal to approximately 1.5 times the OBW, centered on the carrier frequency
- 2) RBW, prefer 1% to 5% of OBW, or a minimum of 1 MHz if this is not possible due to a large OBW
- 3) VBW approximately  $3 \times$  RBW
- 4) Set the reference level of the instrument as required to reduce the chance of the signal amplitude exceeding the maximum spectrum analyzer input mixer level for linear operation. See guidance provided in 4.1.6.
- 5) Sweep = No faster than coupled (auto) time.
- 6) Detector function = peak.
- 7) Trace = max-hold.
- 8) Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower) that are attenuated by 20 dB relative to the maximum level measured in the fundamental emission.

##### 4.4.3 DEVIATION FROM STANDARD

No deviation.

##### 4.4.4 TEST SETUP



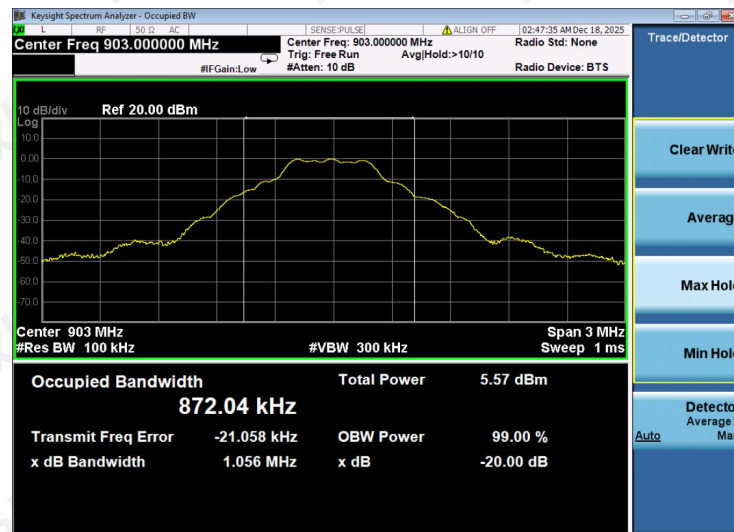
##### 4.4.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

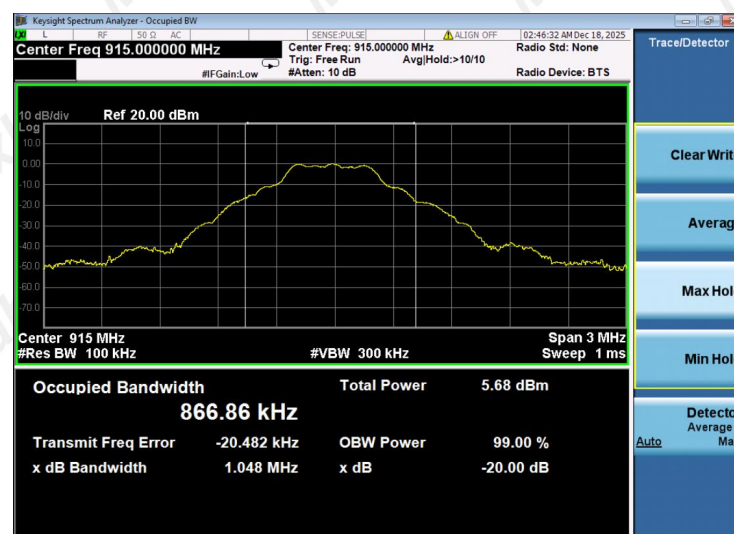
#### 4.4.6 TEST RESULTS

|              |      |                    |         |
|--------------|------|--------------------|---------|
| Temperature: | 26°C | Relative Humidity: | 54%     |
| Test Mode :  | FSK  | Test Voltage :     | DC 5.0V |

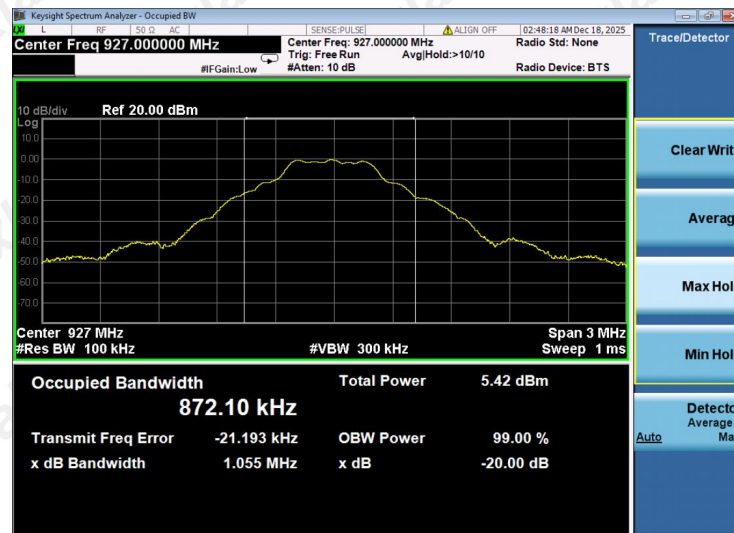
| Test channel | Channel Bandwidth (MHz) | Result |
|--------------|-------------------------|--------|
| 903MHz       | 1.056                   | Pass   |
| 915MHz       | 1.048                   | Pass   |
| 927MHz       | 1.055                   | Pass   |



903MHz



915MHz



927MHz

## **4.5 Antenna Requirement**

### **Standard Applicable**

**For intentional device, according to FCC 47 CFR Section 15.203:**

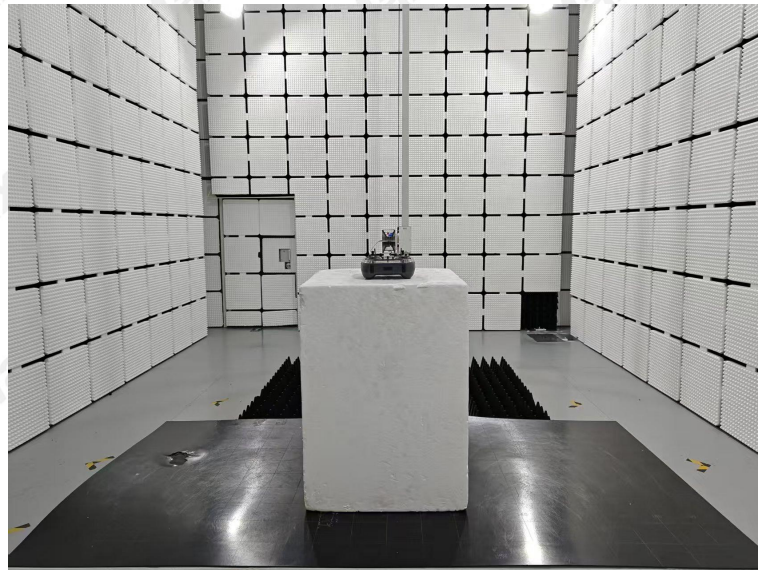
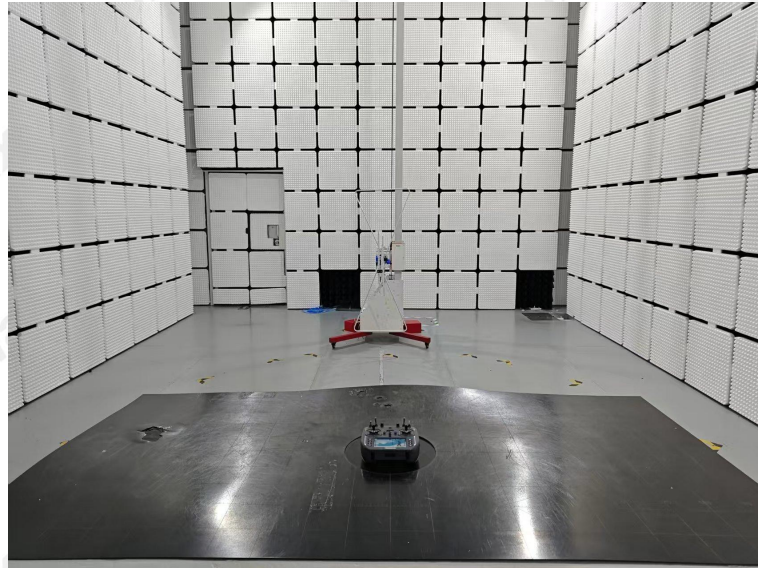
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited

### **Antenna Connected Construction**

The maximum gain of antenna was 2.36 dBi.

Remark: The antenna gain is provided by the customer, if the data provided by the customer is not accurate, MAXLAB Testing Co.,Ltd. does not assume any responsibility.

## **5 Test Setup Photos of the EUT**



## **6 Photos of the EUT**

Reference to the report ANNEX A of external photos and ANNEX B of internal photos.

\*\*\*\*\* **End of Report** \*\*\*\*\*