

# TEST REPORT

Reference No..... : WTX23X08175513W  
FCC ID ..... : 2A3ZZ-IMHU100  
Applicant ..... : O-JIN CORPORATION  
Address..... : 61-1, Seosomun-ro Seodaemun-gu, Seoul, South Korea  
Manufacturer ..... : The same as Applicant  
Address..... : The same as Applicant  
Product Name ..... : 3in1 USB-C MULTIPOINT HUB  
Model No..... : IMHU100  
Standards ..... : **FCC PART15 SUBPART B**  
Date of Receipt sample ... : 2023-07-26  
Date of Test..... : 2023-07-26 to 2023-08-03  
Date of Issue ..... : 2023-08-17  
Test Report Form No. .... : WTX\_FCC PART15B\_001  
Test Result..... : **Pass**

Remarks:

The results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of approver.

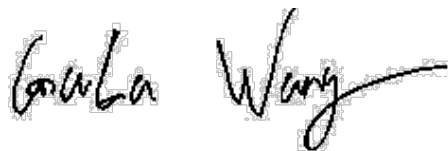
**Prepared By:**

**Waltek Testing Group (Shenzhen) Co., Ltd.**

Address: 1/F., Room 101, Building 1, Hongwei Industrial Park, Liuxian 2nd Road,  
Block 70 Bao'an District, Shenzhen, Guangdong, China

Tel.: +86-755-33663308 Fax.: +86-755-33663309 Email: sem@waltek.com.cn

Tested by:



---

Gala Wang

Approved by:



---

Silin Chen

## **TABLE OF CONTENTS**

|                                                             |           |
|-------------------------------------------------------------|-----------|
| <b>1. GENERAL INFORMATION.....</b>                          | <b>4</b>  |
| 1.1 PRODUCT DESCRIPTION FOR EQUIPMENT UNDER TEST (EUT)..... | 4         |
| 1.2 TEST STANDARDS.....                                     | 5         |
| 1.3 TEST METHODOLOGY.....                                   | 5         |
| 1.4 TEST FACILITY .....                                     | 5         |
| 1.5 EUT SETUP AND OPERATION MODE .....                      | 6         |
| 1.6 MEASUREMENT UNCERTAINTY .....                           | 7         |
| 1.7 TEST EQUIPMENT LIST AND DETAILS .....                   | 7         |
| <b>2. SUMMARY OF TEST RESULTS .....</b>                     | <b>9</b>  |
| <b>3. CONDUCTED EMISSIONS .....</b>                         | <b>10</b> |
| 3.1 TEST PROCEDURE.....                                     | 10        |
| 3.2 BASIC TEST SETUP BLOCK DIAGRAM.....                     | 10        |
| 3.3 ENVIRONMENTAL CONDITIONS .....                          | 10        |
| 3.4 SUMMARY OF TEST RESULTS .....                           | 10        |
| <b>4. RADIATED EMISSION .....</b>                           | <b>13</b> |
| 4.1 TEST PROCEDURE.....                                     | 13        |
| 4.2 BLOCK DIAGRAM OF TEST SETUP .....                       | 13        |
| 4.3 TEST RECEIVER SETUP .....                               | 13        |
| 4.4 CORRECTED AMPLITUDE & MARGIN CALCULATION.....           | 14        |
| 4.5 ENVIRONMENTAL CONDITIONS .....                          | 14        |
| 4.6 SUMMARY OF TEST RESULTS .....                           | 14        |
| <b>APPENDIX PHOTOGRAPHS.....</b>                            | <b>23</b> |

Report version

| Version No. | Date of issue | Description                                                                      |
|-------------|---------------|----------------------------------------------------------------------------------|
| Rev.00      | 2023-08-03    | Original report WTX23X07161638E                                                  |
| Rev.01      | 2023-08-17    | Refer the old report WTX23X07161638E, So the test data from the original report. |
| /           | /             | /                                                                                |

## 1. GENERAL INFORMATION

---

### 1.1 Product Description for Equipment Under Test (EUT)

| General Description of EUT                                                                     |                          |
|------------------------------------------------------------------------------------------------|--------------------------|
| Product Name:                                                                                  | 3in1 USB-C MULTIPORT HUB |
| Trade Name:                                                                                    | /                        |
| Model No.:                                                                                     | IMHU100                  |
| Adding Model(s):                                                                               | /                        |
| <i>Note: The test data is gathered from a production sample, provided by the manufacturer.</i> |                          |

| Technical Characteristics of EUT |              |
|----------------------------------|--------------|
| Rated Voltage:                   | DC 5V        |
| Rated Current:                   | /            |
| Rated Power:                     | /            |
| Power Adapter Model:             | /            |
| Lowest Internal Frequency:       | /            |
| Highest Internal Frequency:      | Above 108MHz |
| Classification of ITE:           | Class B      |

## 1.2 Test Standards

The tests were performed according to following standards:

**FCC Rules Part 15 Subpart B:**Unintentional Radiators.

**ANSI C63.4-2014:**American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the range of 9 kHz to 40 GHz.

**Maintenance of compliance** is the responsibility of the manufacturer. Any modification of the product, which result in lowering the emission, should be checked to ensure compliance has been maintained.

## 1.3 Test Methodology

All measurements contained in this report were conducted with ANSI C63.4-2014, American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the range of 9 kHz to 40 GHz.

## 1.4 Test Facility

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

Laboratory: Waltek Testing Group (Shenzhen) Co., Ltd.

Address: 1/F., Room 101, Building 1, Hongwei Industrial Park, Liuxian 2nd Road, Block 70 Bao'an District, Shenzhen, Guangdong, China

### **FCC – Registration No.: 125990**

Waltek Testing Group (Shenzhen) Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the FCC (Federal Communications Commission). The acceptance letter from the FCC is maintained in our files. The Designation Number is CN5010, and Test Firm Registration Number is 125990.

### **Industry Canada (IC) Registration No.: 11464A**

The 3m Semi-anechoic chamber of Waltek Testing Group (Shenzhen) Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 11464A.

## 1.5 EUT Setup and Operation Mode

The equipment under test (EUT) was configured to measure its highest possible emission. The test modes were adapted according to the operation manual for use, more detailed description as follows:

Test Mode List:

| Test Mode | Description  | Remark                                                                                                                                                                                  | Power Supply Mode             |
|-----------|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| TM1       | Working mode | Type-C port is connected to the Notebook<br>Power supply port is connected to the Adapter<br>HDMI port is connected to the Display<br>USB-A Port is connected to the USB flash disk     | DC 5V(Adapter input 230V50Hz) |
| TM2       | Working mode | Type-C port is connected to the Notebook<br>HDMI port is connected to the Display<br>USB-A Port is connected to the USB flash disk<br>USB-C port is connected to the Portable hard disk | DC 5V(Notebook input)         |

EUT Cable List and Details

| Cable Description | Length (M) | Shielded/Unshielded | With Core/Without Core |
|-------------------|------------|---------------------|------------------------|
| TYPE-C            | 0.13       | Shielded            | Without                |
| TYPE-C            | 0.3        | Shielded            | Without                |

Auxiliary Equipment List and Details

| Description | Manufacturer | Model                 | Serial Number     |
|-------------|--------------|-----------------------|-------------------|
| Notebook    | Lenovo       | XiaoXinPro 14IHU 2021 | PF2V9FG1          |
| Display     | Titan army   | MF2EV                 | NBQW15014086G0091 |
| USB disk    | SanDisk      | 64GB                  | /                 |

Special Cable List and Details

| Cable Description | Length (M) | Shielded/Unshielded | With Core/Without Core |
|-------------------|------------|---------------------|------------------------|
| HDMI Cable        | 1.2        | Shielded            | Without Core           |

## 1.6 Measurement Uncertainty

| Measurement uncertainty |            |                          |
|-------------------------|------------|--------------------------|
| Parameter               | Conditions | Uncertainty              |
| Conducted Emissions     | Conducted  | 9-150kHz $\pm 3.74$ dB   |
|                         |            | 0.15-30MHz $\pm 3.34$ dB |
| Radiated Emissions      | Radiated   | 30-200MHz $\pm 4.52$ dB  |
|                         |            | 0.2-1GHz $\pm 5.56$ dB   |
|                         |            | 1-6GHz $\pm 3.84$ dB     |
|                         |            | 6-18GHz $\pm 3.92$ dB    |

## 1.7 Test Equipment List and Details

| Description                                               | Manufacturer    | Model       | Serial No. | Cal Date   | Due Date   |
|-----------------------------------------------------------|-----------------|-------------|------------|------------|------------|
| <input checked="" type="checkbox"/> Chamber A: Below 1GHz |                 |             |            |            |            |
| Spectrum Analyzer                                         | Rohde & Schwarz | FSP         | 836079/035 | 2023-02-25 | 2024-02-24 |
| EMI Test Receiver                                         | Rohde & Schwarz | ESVB        | 825471/005 | 2023-02-25 | 2024-02-24 |
| Amplifier                                                 | HP              | 8447F       | 2805A03475 | 2023-02-25 | 2024-02-24 |
| Loop Antenna                                              | Schwarz beck    | FMZB 1516   | 9773       | 2021-03-20 | 2024-03-19 |
| Trilog Broadband Antenna                                  | Schwarz beck    | VULB9163    | 9163-333   | 2023-03-20 | 2026-03-19 |
| <input type="checkbox"/> Chamber A: Above 1GHz            |                 |             |            |            |            |
| Amplifier                                                 | C&D             | PAP-1G18    | 14918      | 2023-02-25 | 2024-02-24 |
| Horn Antenna                                              | ETS             | 3117        | 00086197   | 2021-03-19 | 2024-03-18 |
| <input type="checkbox"/> Chamber B: Below 1GHz            |                 |             |            |            |            |
| EMI Test Receiver                                         | Rohde & Schwarz | ESPI        | 101391     | 2023-02-25 | 2024-02-24 |
| Trilog Broadband Antenna                                  | Schwarz beck    | VULB9163(B) | 9163-635   | 2021-04-09 | 2024-04-08 |
| Amplifier                                                 | Agilent         | 8447D       | 2944A10179 | 2023-02-25 | 2024-02-24 |
| <input type="checkbox"/> Chamber C: Below 1GHz            |                 |             |            |            |            |
| EMI Test Receiver                                         | Rohde & Schwarz | ESIB 26     | 100401     | 2023-02-25 | 2024-02-24 |
| Trilog Broadband Antenna                                  | Schwarz beck    | VULB 9168   | 1194       | 2021-05-28 | 2024-05-27 |
| Loop Antenna                                              | Schwarz beck    | FMZB 1516   | 9773       | 2021-03-20 | 2024-03-19 |
| Amplifier                                                 | HP              | 8447F       | 2944A03869 | 2023-02-25 | 2024-02-24 |
| <input type="checkbox"/> Chamber C: Above 1GHz            |                 |             |            |            |            |
| EMI Test Receiver                                         | Rohde & Schwarz | ESIB 26     | 100401     | 2023-02-25 | 2024-02-24 |

|                                                       |                 |             |             |            |            |
|-------------------------------------------------------|-----------------|-------------|-------------|------------|------------|
| Horn Antenna                                          | POAM            | RTF-11A     | LP228060221 | 2023-03-10 | 2026-03-09 |
| Amplifier                                             | Tonscend        | TAP01018050 | AP22E806235 | 2023-02-25 | 2024-02-24 |
| DRG Horn Antenna                                      | A.H. SYSTEMS    | SAS-574     | 571         | 2021-03-19 | 2024-03-18 |
| Pre-amplifier                                         | Schwarzbeck     | BBV 9721    | 9721-031    | 2023-02-25 | 2024-02-24 |
| <input checked="" type="checkbox"/> Conducted Room 1# |                 |             |             |            |            |
| Pulse Limiter                                         | Rohde & Schwarz | ESH3-Z2     | 100911      | 2023-02-25 | 2024-02-24 |
| EMI Test Receiver                                     | Rohde & Schwarz | ESPI        | 101611      | 2023-02-25 | 2024-02-24 |
| AC LISN                                               | Schwarz beck    | NSLK8126    | 8126-224    | 2023-02-25 | 2024-02-24 |
| <input type="checkbox"/> Conducted Room 2#            |                 |             |             |            |            |
| EMI Test Receiver                                     | Rohde & Schwarz | ESPI        | 10129       | 2023-02-25 | 2024-02-24 |
| LISN                                                  | Rohde & Schwarz | ENV 216     | 100097      | 2023-02-25 | 2024-02-24 |

| Software List                              |              |        |         |
|--------------------------------------------|--------------|--------|---------|
| Description                                | Manufacturer | Model  | Version |
| EMI Test Software<br>(Radiated Emission)*  | Farad        | EZ-EMC | RA-03A1 |
| EMI Test Software<br>(Conducted Emission)* | Farad        | EZ-EMC | RA-03A1 |

\*Remark: indicates software version used in the compliance certification testing.

2. SUMMARY OF TEST RESULTS

---

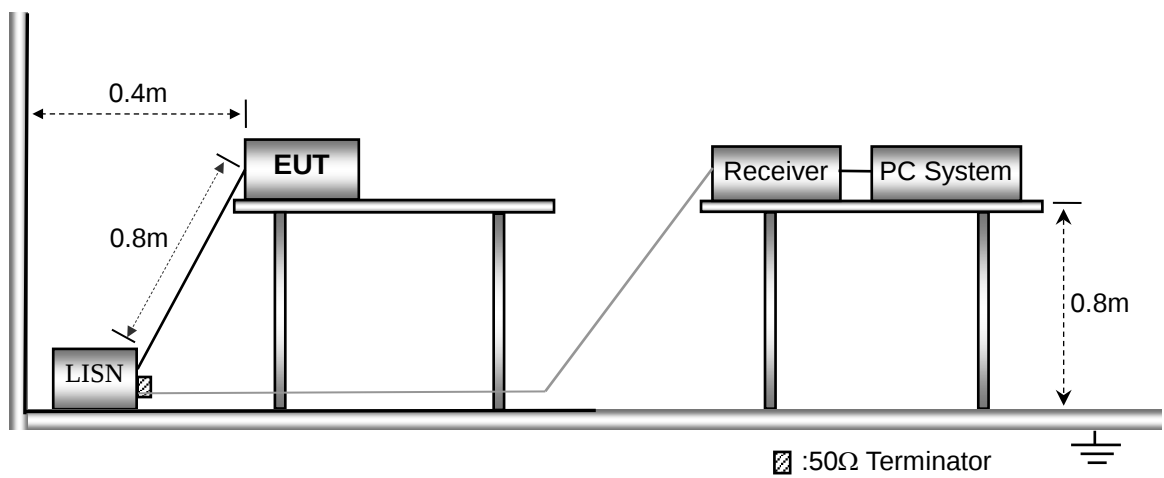
| Description of Test           | Result    |
|-------------------------------|-----------|
| §15.107(a) Conducted Emission | Compliant |
| §15.109(a) Radiated Emission  | Compliant |

### 3. Conducted Emissions

#### 3.1 Test Procedure

Test is conducting under the description of ANSI C63.4-2014, American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the range of 9 kHz to 40 GHz.

#### 3.2 Basic Test Setup Block Diagram



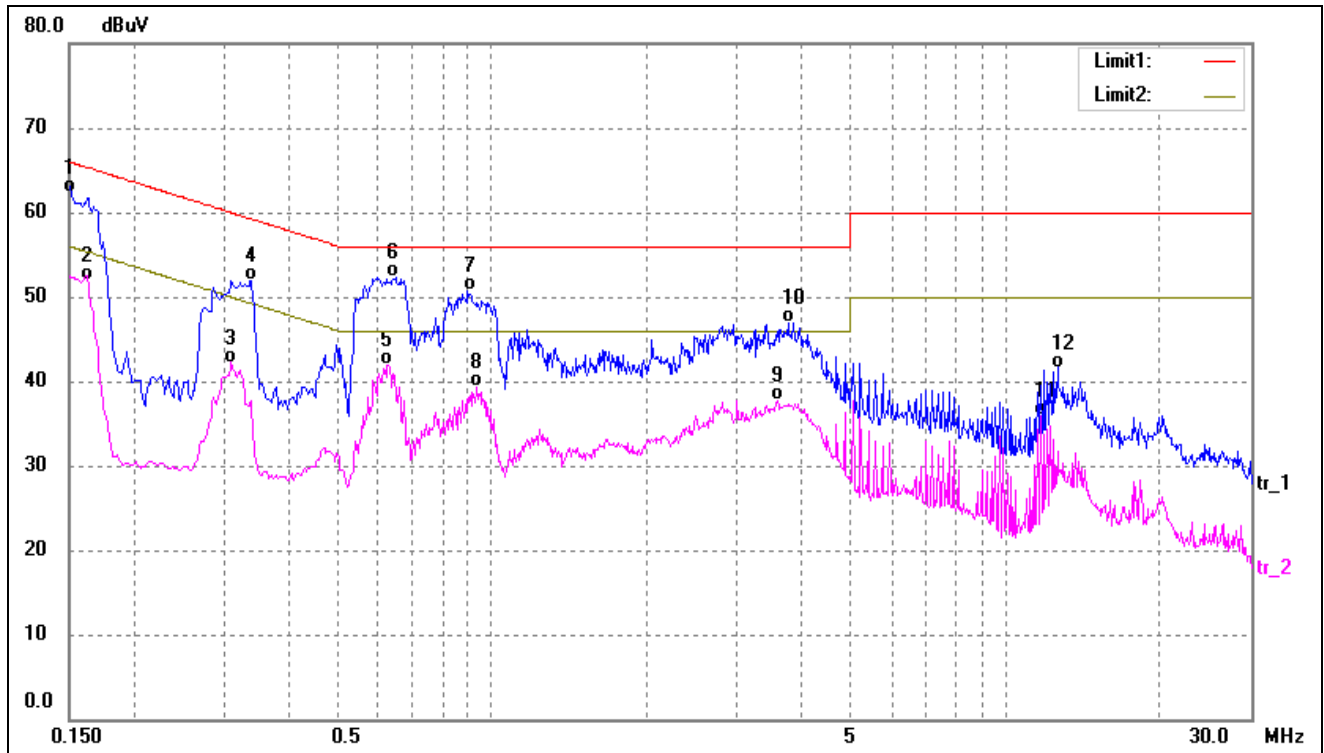
#### 3.3 Environmental Conditions

|                    |          |
|--------------------|----------|
| Temperature:       | 23.5 °C  |
| Relative Humidity: | 54%      |
| ATM Pressure:      | 998 mbar |

#### 3.4 Summary of Test Results

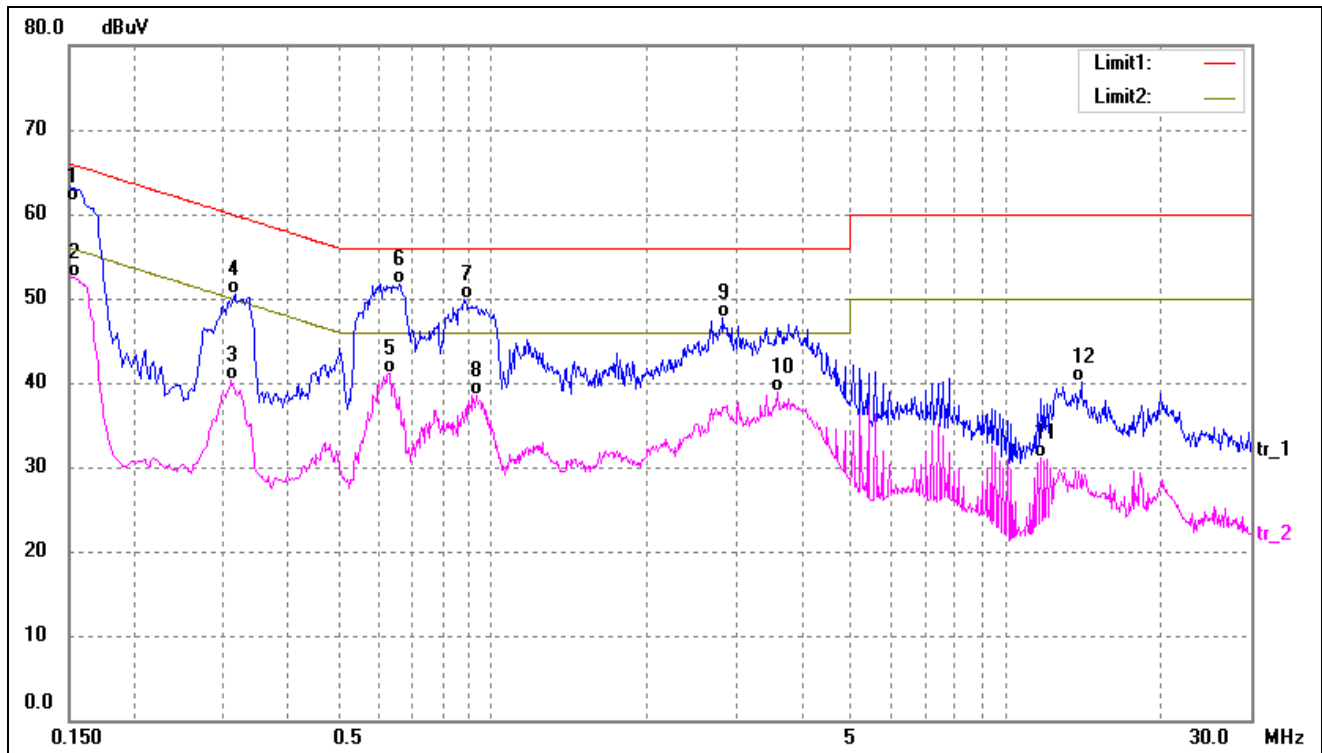
Look at the graphs and data below:

|            |     |           |      |
|------------|-----|-----------|------|
| Test mode: | TM1 | Polarity: | Line |
|------------|-----|-----------|------|



| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct<br>(dB) | Result<br>(dBuV) | Limit<br>(dBuV) | Margin<br>(dB) | Detector |
|-----|--------------------|-------------------|-----------------|------------------|-----------------|----------------|----------|
| 1   | 0.1499             | 51.90             | 10.40           | 62.30            | 66.00           | -3.70          | QP       |
| 2*  | 0.1620             | 41.60             | 10.40           | 52.00            | 55.36           | -3.36          | AVG      |
| 3   | 0.3100             | 31.90             | 10.30           | 42.20            | 49.97           | -7.77          | AVG      |
| 4   | 0.3379             | 41.69             | 10.28           | 51.97            | 59.25           | -7.28          | QP       |
| 5   | 0.6260             | 31.62             | 10.20           | 41.82            | 46.00           | -4.18          | AVG      |
| 6   | 0.6500             | 42.03             | 10.20           | 52.23            | 56.00           | -3.77          | QP       |
| 7   | 0.8980             | 40.65             | 10.15           | 50.80            | 56.00           | -5.20          | QP       |
| 8   | 0.9340             | 29.11             | 10.15           | 39.26            | 46.00           | -6.74          | AVG      |
| 9   | 3.6020             | 27.38             | 10.36           | 37.74            | 46.00           | -8.26          | AVG      |
| 10  | 3.7780             | 36.55             | 10.36           | 46.91            | 56.00           | -9.09          | QP       |
| 11  | 11.6980            | 25.58             | 10.33           | 35.91            | 50.00           | -14.09         | AVG      |
| 12  | 12.5980            | 31.30             | 10.30           | 41.60            | 60.00           | -18.40         | QP       |

|            |     |           |         |
|------------|-----|-----------|---------|
| Test mode: | TM1 | Polarity: | Neutral |
|------------|-----|-----------|---------|



| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct<br>(dB) | Result<br>(dBuV) | Limit<br>(dBuV) | Margin<br>(dB) | Detector |
|-----|--------------------|-------------------|-----------------|------------------|-----------------|----------------|----------|
| 1   | 0.1500             | 51.20             | 10.40           | 61.60            | 66.00           | -4.40          | QP       |
| 2*  | 0.1539             | 42.08             | 10.41           | 52.49            | 55.79           | -3.30          | AVG      |
| 3   | 0.3100             | 29.98             | 10.30           | 40.28            | 49.97           | -9.69          | AVG      |
| 4   | 0.3140             | 40.14             | 10.30           | 50.44            | 59.86           | -9.42          | QP       |
| 5   | 0.6300             | 30.96             | 10.20           | 41.16            | 46.00           | -4.84          | AVG      |
| 6   | 0.6580             | 41.45             | 10.20           | 51.65            | 56.00           | -4.35          | QP       |
| 7   | 0.8820             | 39.67             | 10.16           | 49.83            | 56.00           | -6.17          | QP       |
| 8   | 0.9300             | 28.42             | 10.15           | 38.57            | 46.00           | -7.43          | AVG      |
| 9   | 2.8179             | 37.38             | 10.34           | 47.72            | 56.00           | -8.28          | QP       |
| 10  | 3.5980             | 28.63             | 10.36           | 38.99            | 46.00           | -7.01          | AVG      |
| 11  | 11.6940            | 20.83             | 10.33           | 31.16            | 50.00           | -18.84         | AVG      |
| 12  | 14.0340            | 29.80             | 10.25           | 40.05            | 60.00           | -19.95         | QP       |

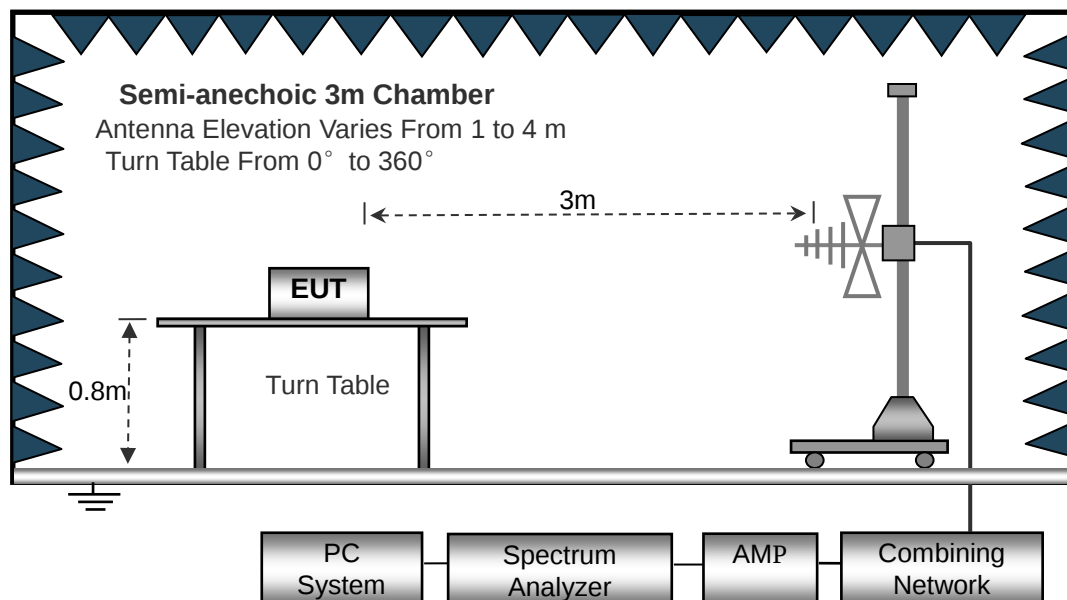
## 4. RADIATED EMISSION

### 4.1 Test Procedure

The setup of EUT is according with per ANSI C63.4-2014 measurement procedure. The specification used was with the FCC Part 15.109 Limit.

The external I/O cables were draped along the test table and formed a bundle 30 to 40 cm long in the middle. The spacing between the peripherals was 10 cm.

### 4.2 Block Diagram of Test Setup



### 4.3 Test Receiver Setup

Frequency :9kHz-30MHz

RBW=10KHz,

VBW =30KHz

Sweep time= Auto

Trace = max hold

Detector function = peak

Frequency :30MHz-1GHz

RBW=120KHz,

VBW=300KHz

Sweep time= Auto

Trace = max hold

Detector function = peak, QP

Frequency :Above 1GHz

RBW=1MHz,

VBW=3MHz(Peak), 10Hz(AV)

Sweep time= Auto

Trace = max hold

Detector function = peak, AV

#### 4.4 Corrected Amplitude & Margin Calculation

The Corrected Amplitude is calculated by adding the Antenna Factor and the Cable Factor, and subtracting the Amplifier Gain from the Amplitude reading. The basic equation is as follows:

$$\begin{aligned}\text{Corr. Ampl.} &= \text{Indicated Reading} + \text{Correct} \\ \text{Correct} &= \text{Ant. Factor} + \text{Cable Loss} - \text{Ampl. Gain}\end{aligned}$$

The “**Margin**” column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of -6dB $\mu$ V means the emission is 6dB $\mu$ V below the maximum limit for a Class B device. The equation for margin calculation is as follows:

$$\text{Margin} = \text{Corr. Ampl.} - \text{FCC Part 15.109(a) Limit}$$

#### 4.5 Environmental Conditions

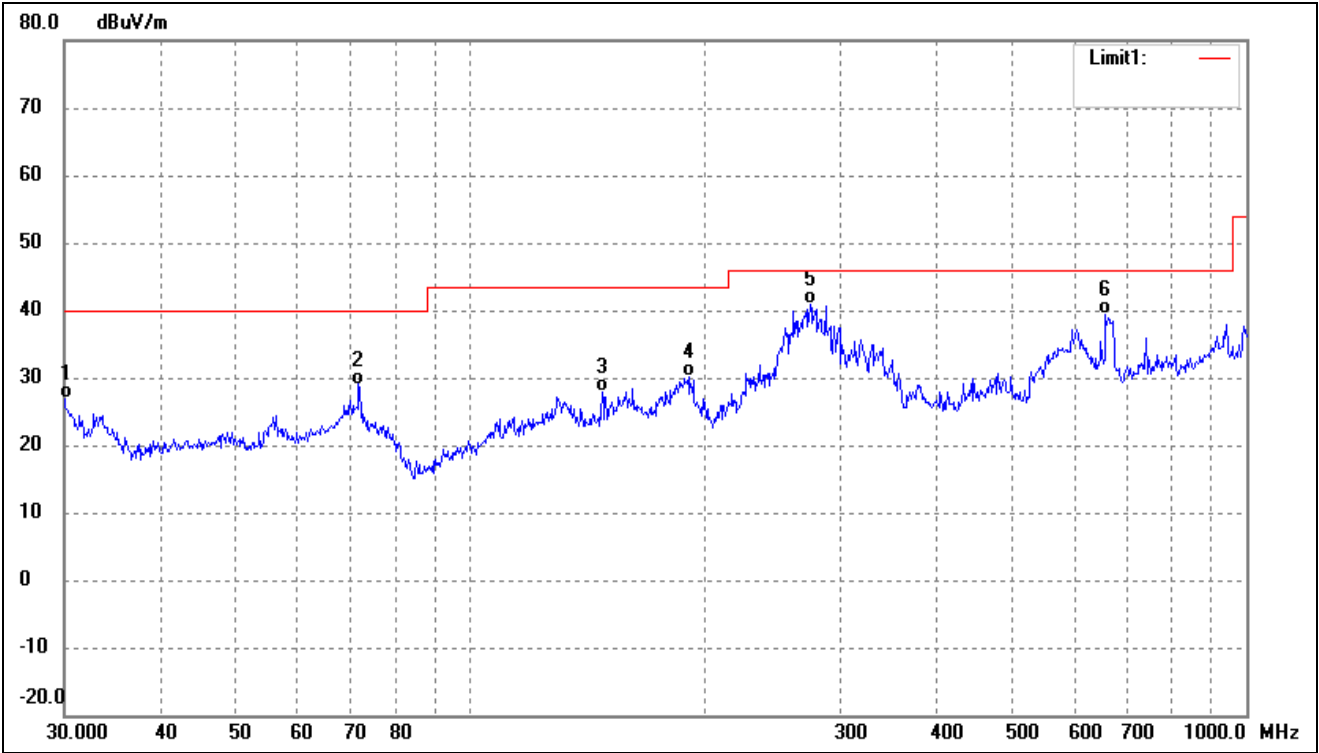
|                    |          |
|--------------------|----------|
| Temperature:       | 22.5 °C  |
| Relative Humidity: | 54 %     |
| ATM Pressure:      | 998 mbar |

#### 4.6 Summary of Test Results

Look at the graphs and data below:

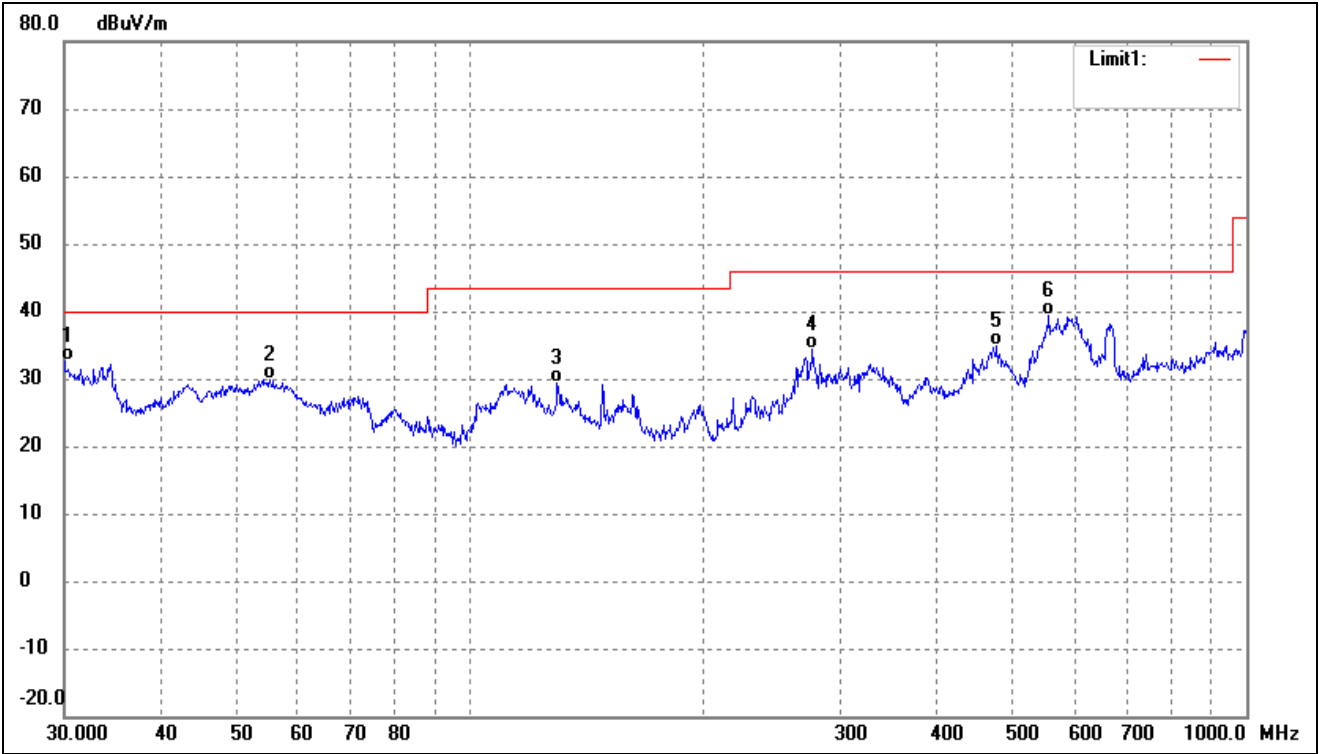
➤ Below 1GHz

|            |     |           |            |
|------------|-----|-----------|------------|
| Test mode: | TM1 | Polarity: | Horizontal |
|------------|-----|-----------|------------|



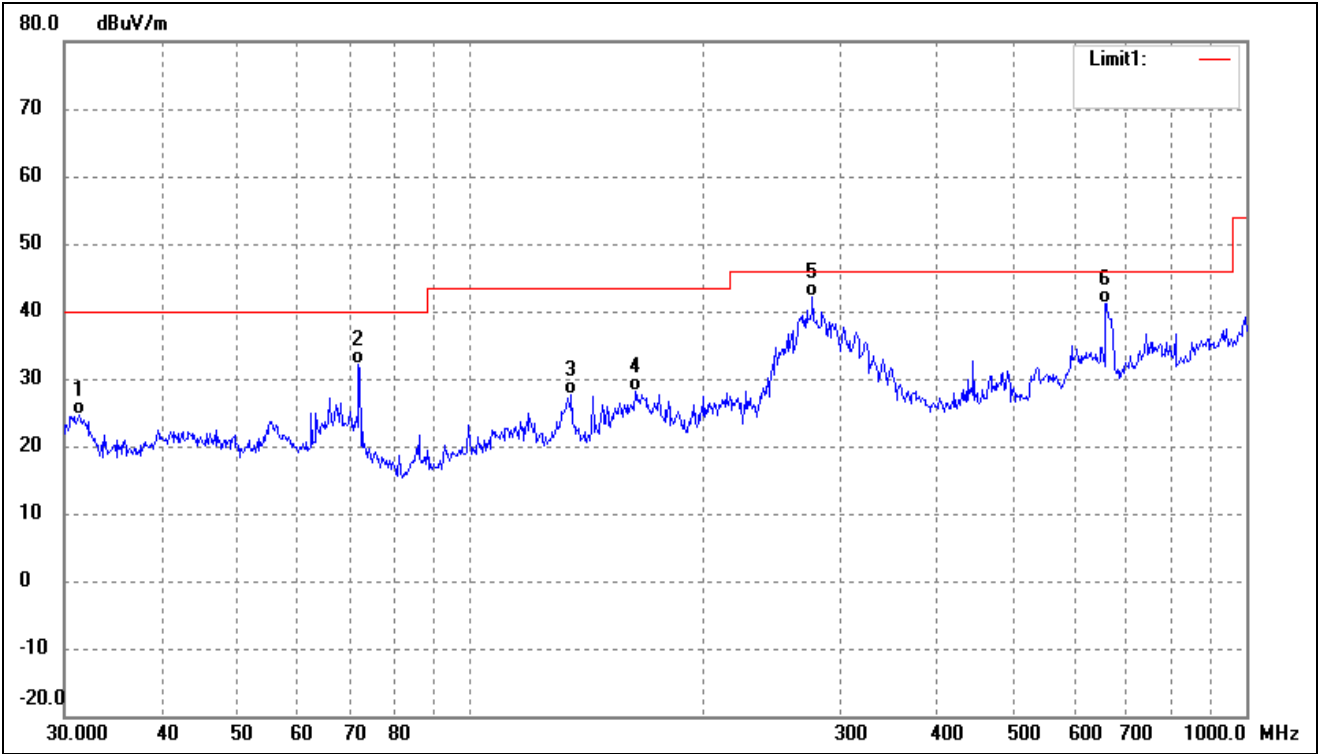
| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>dB/m | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-----------------|--------------------|-------------------|----------------|--------|
| 1   | 30.0000            | 37.65               | -10.76          | 26.89              | 40.00             | -13.11         | QP     |
| 2   | 71.8320            | 40.92               | -11.92          | 29.00              | 40.00             | -11.00         | QP     |
| 3   | 147.9214           | 39.56               | -11.76          | 27.80              | 43.50             | -15.70         | QP     |
| 4   | 191.0738           | 38.58               | -8.53           | 30.05              | 43.50             | -13.45         | QP     |
| 5   | 274.1939           | 46.45               | -5.69           | 40.76              | 46.00             | -5.24          | QP     |
| 6   | 658.8362           | 37.20               | 2.07            | 39.27              | 46.00             | -6.73          | QP     |

|            |     |           |          |
|------------|-----|-----------|----------|
| Test mode: | TM1 | Polarity: | Vertical |
|------------|-----|-----------|----------|



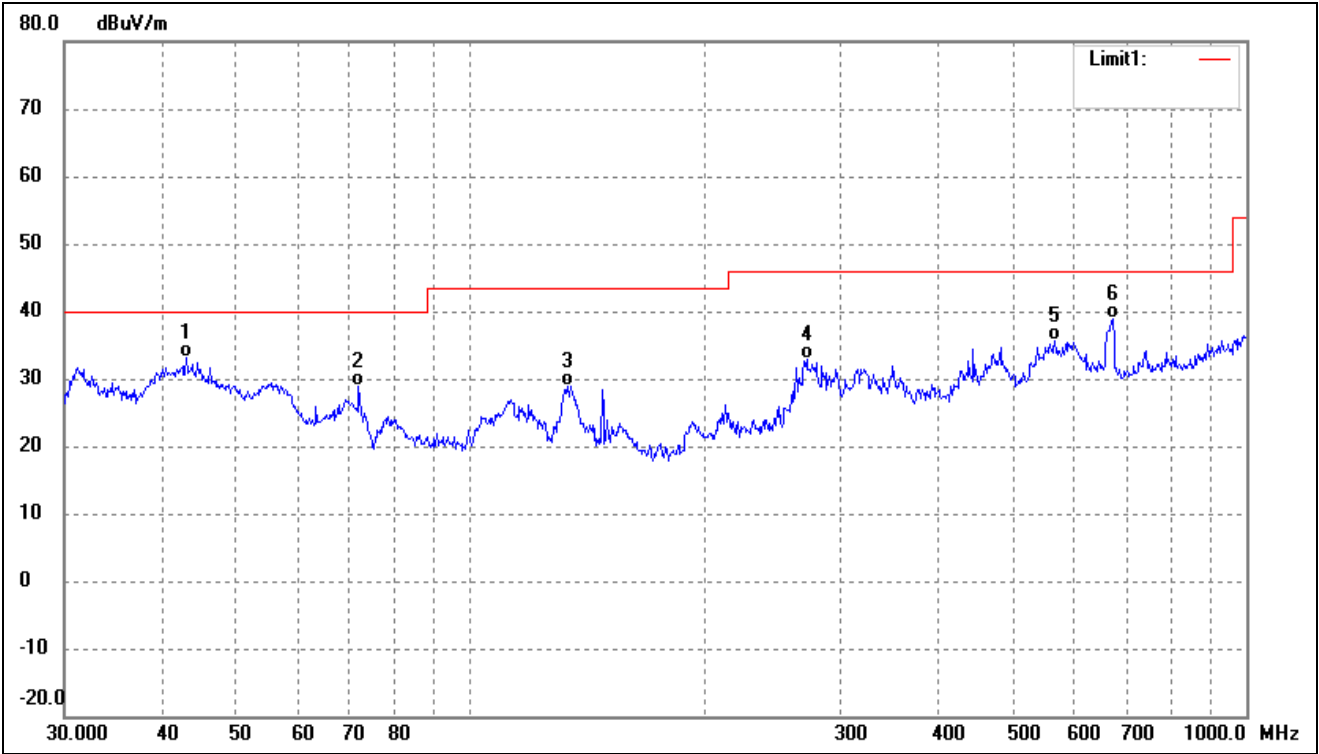
| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>dB/m | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-----------------|--------------------|-------------------|----------------|--------|
| 1   | 30.0000            | 43.37               | -10.76          | 32.61              | 40.00             | -7.39          | QP     |
| 2   | 55.2207            | 37.43               | -7.65           | 29.78              | 40.00             | -10.22         | QP     |
| 3   | 129.4677           | 40.60               | -11.29          | 29.31              | 43.50             | -14.19         | QP     |
| 4   | 276.1235           | 39.93               | -5.58           | 34.35              | 46.00             | -11.65         | QP     |
| 5   | 477.1694           | 36.55               | -1.67           | 34.88              | 46.00             | -11.12         | QP     |
| 6   | 556.7744           | 39.39               | -0.03           | 39.36              | 46.00             | -6.64          | QP     |

|            |     |           |            |
|------------|-----|-----------|------------|
| Test mode: | TM2 | Polarity: | Horizontal |
|------------|-----|-----------|------------|



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>dB/m | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-----------------|--------------------|-------------------|----------------|--------|
| 1   | 31.3992            | 35.29               | -10.63          | 24.66              | 40.00             | -15.34         | QP     |
| 2   | 71.8320            | 44.10               | -11.92          | 32.18              | 40.00             | -7.82          | QP     |
| 3   | 135.0319           | 39.20               | -11.61          | 27.59              | 43.50             | -15.91         | QP     |
| 4   | 163.1818           | 39.07               | -11.01          | 28.06              | 43.50             | -15.44         | QP     |
| 5   | 276.1235           | 47.59               | -5.58           | 42.01              | 46.00             | -3.99          | QP     |
| 6   | 658.8362           | 39.10               | 2.07            | 41.17              | 46.00             | -4.83          | QP     |

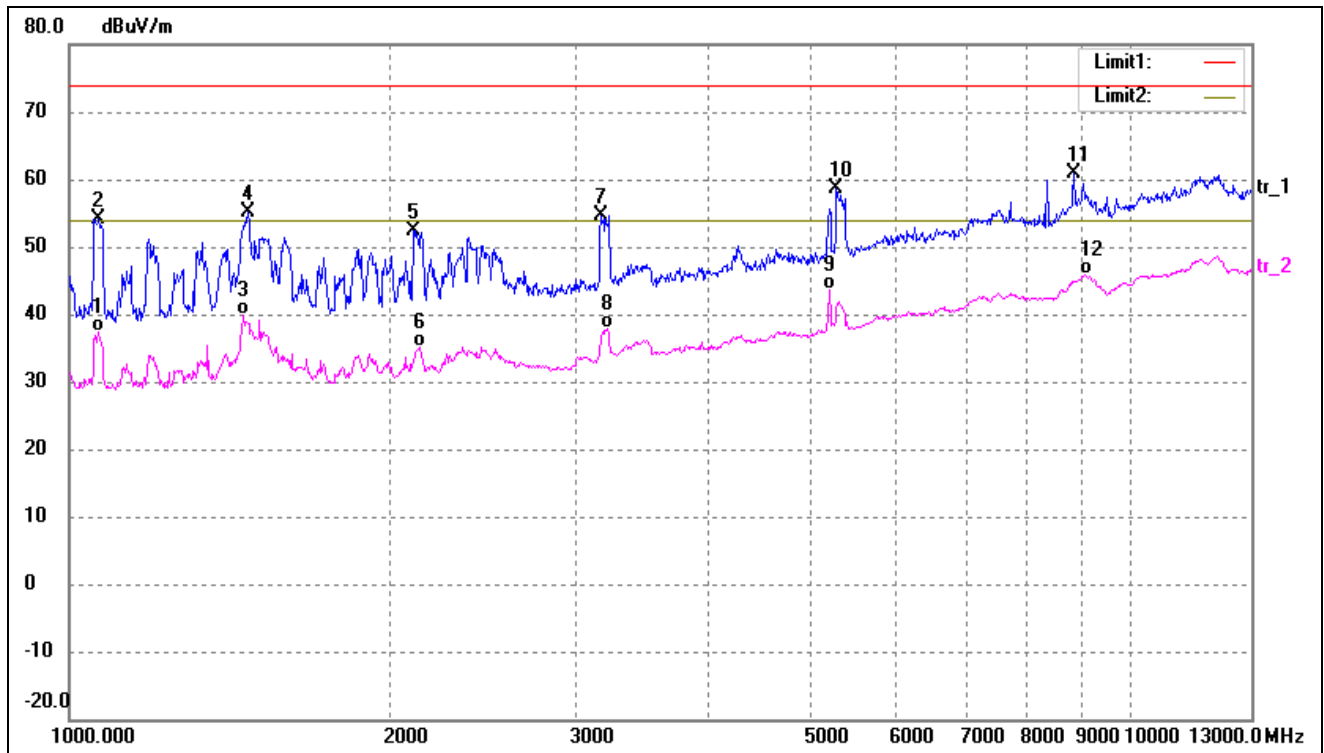
|            |     |           |          |
|------------|-----|-----------|----------|
| Test mode: | TM2 | Polarity: | Vertical |
|------------|-----|-----------|----------|



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>dB/m | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-----------------|--------------------|-------------------|----------------|--------|
| 1   | 43.0505            | 41.22               | -8.01           | 33.21              | 40.00             | -6.79          | QP     |
| 2   | 71.8320            | 40.78               | -11.92          | 28.86              | 40.00             | -11.14         | QP     |
| 3   | 133.6188           | 40.51               | -11.55          | 28.96              | 43.50             | -14.54         | QP     |
| 4   | 271.3246           | 38.67               | -5.87           | 32.80              | 46.00             | -13.20         | QP     |
| 5   | 566.6223           | 35.55               | 0.16            | 35.71              | 46.00             | -10.29         | QP     |
| 6   | 672.8444           | 60.20               | -21.43          | 38.77              | 46.00             | -7.23          | QP     |

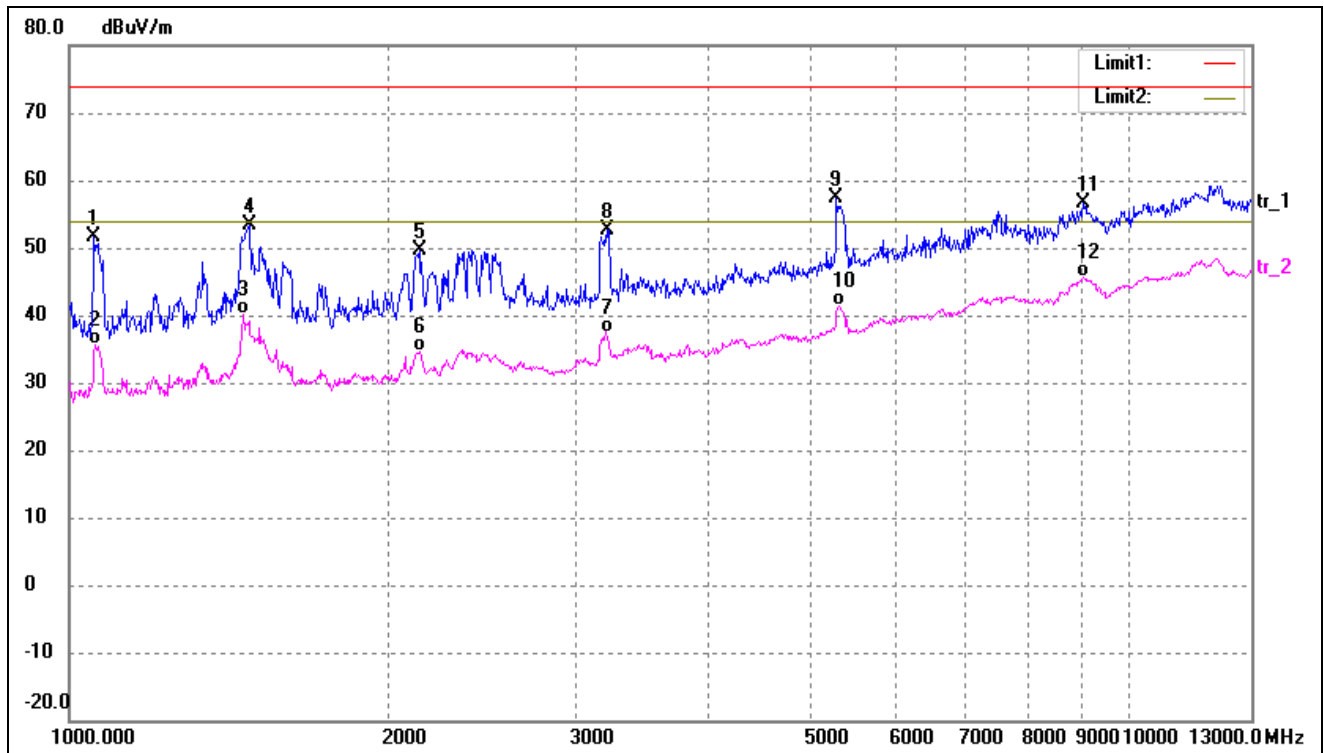
➤ Above 1GHz

|            |     |           |            |
|------------|-----|-----------|------------|
| Test mode: | TM1 | Polarity: | Horizontal |
|------------|-----|-----------|------------|



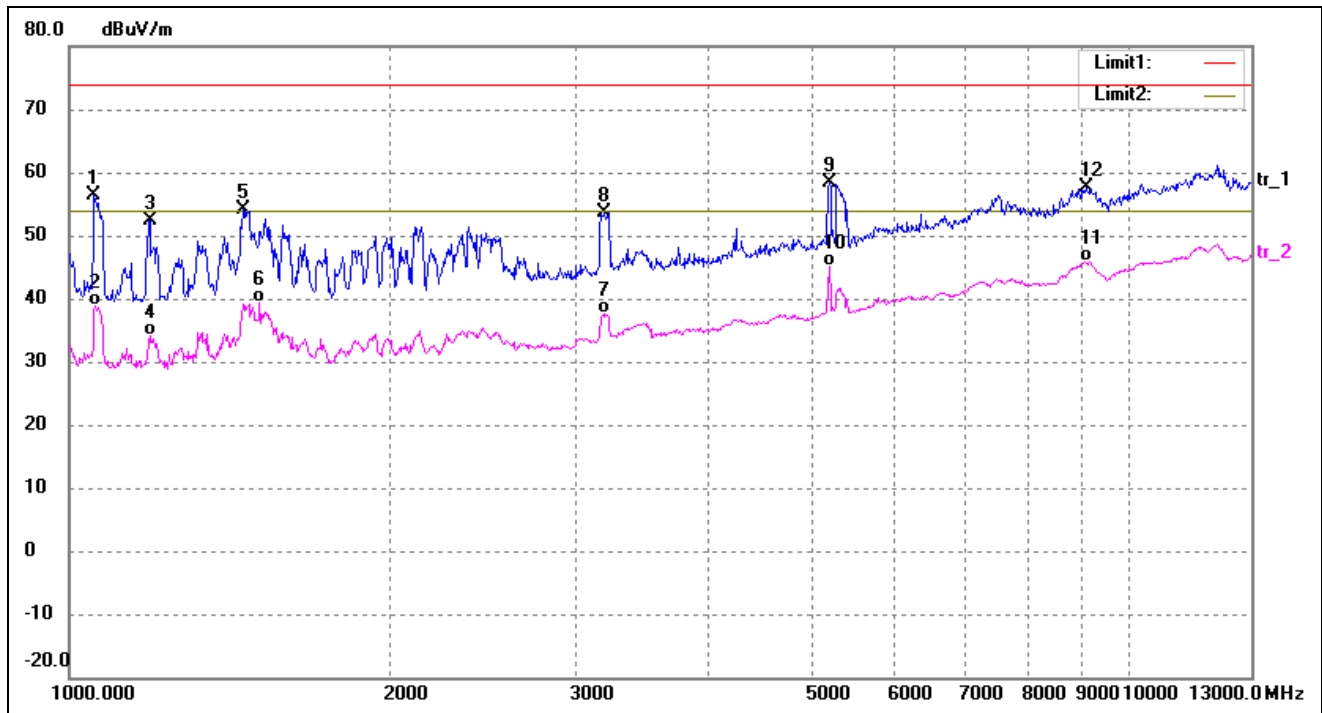
| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>dB/m | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-----------------|--------------------|-------------------|----------------|--------|
| 1   | 1063.493           | 50.88               | -13.51          | 37.37              | 54.00             | -16.63         | AVG    |
| 2   | 1066.224           | 67.50               | -13.49          | 54.01              | 74.00             | -19.99         | peak   |
| 3   | 1457.974           | 51.55               | -11.76          | 39.79              | 54.00             | -14.21         | AVG    |
| 4   | 1473.009           | 66.77               | -11.70          | 55.07              | 74.00             | -18.93         | peak   |
| 5   | 2109.393           | 62.01               | -9.51           | 52.50              | 74.00             | -21.50         | peak   |
| 6   | 2136.620           | 44.52               | -9.41           | 35.11              | 54.00             | -18.89         | AVG    |
| 7   | 3171.572           | 61.48               | -6.85           | 54.63              | 74.00             | -19.37         | peak   |
| 8   | 3212.508           | 44.49               | -6.70           | 37.79              | 54.00             | -16.21         | AVG    |
| 9   | 5203.141           | 45.67               | -2.14           | 43.53              | 54.00             | -10.47         | AVG    |
| 10  | 5283.835           | 60.52               | -2.00           | 58.52              | 74.00             | -15.48         | peak   |
| 11  | 8848.137           | 55.42               | 5.46            | 60.88              | 74.00             | -13.12         | peak   |
| 12  | 9054.768           | 39.60               | 6.25            | 45.85              | 54.00             | -8.15          | AVG    |

|            |     |           |          |
|------------|-----|-----------|----------|
| Test mode: | TM1 | Polarity: | Vertical |
|------------|-----|-----------|----------|



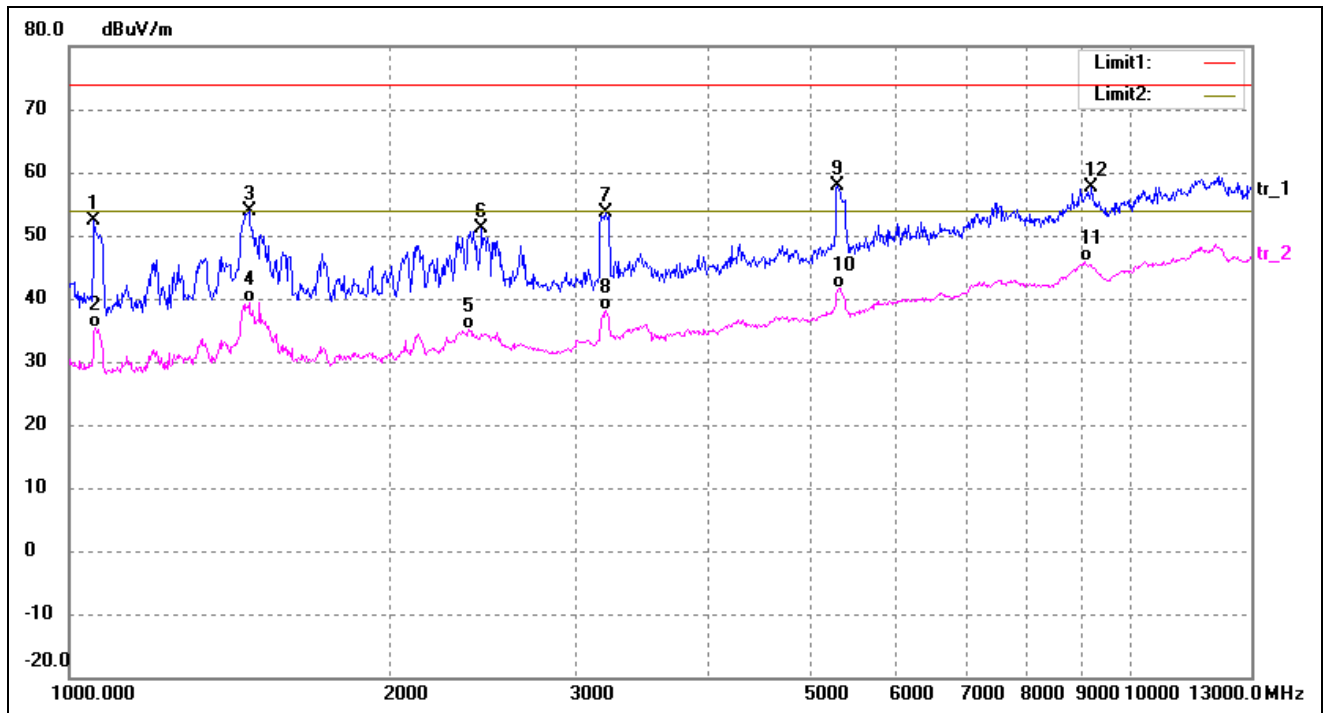
| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>dB/m | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-----------------|--------------------|-------------------|----------------|--------|
| 1   | 1055.341           | 65.10               | -13.53          | 51.57              | 74.00             | -22.43         | peak   |
| 2   | 1058.051           | 49.23               | -13.52          | 35.71              | 54.00             | -18.29         | AVG    |
| 3   | 1457.974           | 51.82               | -11.76          | 40.06              | 54.00             | -13.94         | AVG    |
| 4   | 1476.792           | 64.96               | -11.68          | 53.28              | 74.00             | -20.72         | peak   |
| 5   | 2136.620           | 59.13               | -9.41           | 49.72              | 74.00             | -24.28         | peak   |
| 6   | 2142.107           | 44.02               | -9.39           | 34.63              | 54.00             | -19.37         | AVG    |
| 7   | 3204.279           | 44.22               | -6.72           | 37.50              | 54.00             | -16.50         | AVG    |
| 8   | 3212.508           | 59.28               | -6.70           | 52.58              | 74.00             | -21.42         | peak   |
| 9   | 5283.835           | 59.29               | -2.00           | 57.29              | 74.00             | -16.71         | peak   |
| 10  | 5311.010           | 43.36               | -1.96           | 41.40              | 54.00             | -12.60         | AVG    |
| 11  | 9031.573           | 50.27               | 6.36            | 56.63              | 74.00             | -17.37         | peak   |
| 12  | 9031.573           | 39.29               | 6.36            | 45.65              | 54.00             | -8.35          | AVG    |

|            |     |           |            |
|------------|-----|-----------|------------|
| Test mode: | TM2 | Polarity: | Horizontal |
|------------|-----|-----------|------------|



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>dB/m | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-----------------|--------------------|-------------------|----------------|--------|
| 1   | 1055.341           | 69.88               | -13.53          | 56.35              | 74.00             | -17.65         | peak   |
| 2   | 1058.051           | 52.37               | -13.52          | 38.85              | 54.00             | -15.15         | AVG    |
| 3   | 1190.551           | 65.22               | -12.95          | 52.27              | 74.00             | -21.73         | peak   |
| 4   | 1190.551           | 47.14               | -12.95          | 34.19              | 54.00             | -19.81         | AVG    |
| 5   | 1457.974           | 65.95               | -11.76          | 54.19              | 74.00             | -19.81         | peak   |
| 6   | 1511.280           | 50.85               | -11.54          | 39.31              | 54.00             | -14.69         | AVG    |
| 7   | 3187.883           | 44.39               | -6.79           | 37.60              | 54.00             | -16.40         | AVG    |
| 8   | 3196.070           | 60.47               | -6.76           | 53.71              | 74.00             | -20.29         | peak   |
| 9   | 5203.141           | 60.41               | -2.14           | 58.27              | 74.00             | -15.73         | peak   |
| 10  | 5203.141           | 47.26               | -2.14           | 45.12              | 54.00             | -8.88          | AVG    |
| 11  | 9054.768           | 39.58               | 6.25            | 45.83              | 54.00             | -8.17          | AVG    |
| 12  | 9078.023           | 51.45               | 6.17            | 57.62              | 74.00             | -16.38         | peak   |

|            |     |           |          |
|------------|-----|-----------|----------|
| Test mode: | TM2 | Polarity: | Vertical |
|------------|-----|-----------|----------|



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>dB/m | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-----------------|--------------------|-------------------|----------------|--------|
| 1   | 1055.341           | 65.80               | -13.53          | 52.27              | 74.00             | -21.73         | peak   |
| 2   | 1058.051           | 48.82               | -13.52          | 35.30              | 54.00             | -18.70         | AVG    |
| 3   | 1476.792           | 65.65               | -11.68          | 53.97              | 74.00             | -20.03         | peak   |
| 4   | 1476.792           | 51.12               | -11.68          | 39.44              | 54.00             | -14.56         | AVG    |
| 5   | 2379.649           | 43.59               | -8.52           | 35.07              | 54.00             | -18.93         | AVG    |
| 6   | 2447.745           | 59.30               | -8.27           | 51.03              | 74.00             | -22.97         | peak   |
| 7   | 3204.279           | 60.24               | -6.72           | 53.52              | 74.00             | -20.48         | peak   |
| 8   | 3204.279           | 44.78               | -6.72           | 38.06              | 54.00             | -15.94         | AVG    |
| 9   | 5297.405           | 59.85               | -1.98           | 57.87              | 74.00             | -16.13         | peak   |
| 10  | 5311.010           | 43.60               | -1.96           | 41.64              | 54.00             | -12.36         | AVG    |
| 11  | 9054.768           | 39.52               | 6.25            | 45.77              | 54.00             | -8.23          | AVG    |
| 12  | 9195.196           | 51.80               | 5.73            | 57.53              | 74.00             | -16.47         | peak   |

## APPENDIX PHOTOGRAPHS

---

Please refer to “ANNEX”

\*\*\*\*\* END OF REPORT \*\*\*\*\*