# *FCC EVALUATION REPORT FOR CERTIFICATION*

**Manufacturer: OHSUNG ELECTRONICS CO., LTD.**
**#181 Gongdan-dong, Gumi-si, Gyeongbuk,**
**Republic of Korea**
**Attn: Mr. Hak-Ki Kim / General Manager**

**Date of Issue: October 18, 2013**
**Order Number: GETEC-C1-13-307**
**Test Report Number: GETEC-E3-13-075**
**Test Site: GUMI COLLEGE EMC CENTER**
**FCC Registration Number: (100749, 443957)**

**FCC ID. : OZ5URCGEN2CP1**

**Applicant : OHSUNG ELECTRONICS CO., LTD.**

| | |
|---|---|
| **Rule Part(s)** | **: FCC Part 15 Subpart B** |
| **Equipment Class** | **: Class B computing device peripheral (JBP)** |
| **EUT Type** | **: CENTRAL PROCESSOR** |
| **Type of Authority** | **: Certification** |
| **Model Name** | **: CP-1** |
| **Trade Name** | **: UNIVERSAL Remote Control** |

**This equipment has been shown to be in compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in ANSI C63.4 (2009) / Canadian standard ICES-003**

**I attest to the accuracy of data. All measurements reported herein were performed by me or were made under my supervision and are correct to the vest of my knowledge and belief. I assume full responsibility for the completeness of these measurements and vouch for the qualifications of all persons taking them.**

**Tested by,**

Soon Hoon

**Soon-Hoon Jeong, Associate Engineer**
**GUMI COLLEGE EMC CENTER**

**Reviewed by,**

**Jae-Hoon Jeong, Technical Manager**
**GUMI COLLEGE EMC CENTER**

# CONTENTS

***Scope:*** *Measurement and determination of electromagnetic emissions (EME) of radio frequency devices including intentional and / or unintentional radiators for compliance with technical rules and regulations of the Federal Communications Commission.*

**1. General Information**

**Applicant: OHSUNG ELECTRONICS CO., LTD.**

**Applicant Address: #181 Gongdan-dong, Gumi-si, Gyeongbuk, Republic of Korea**

**Manufacturer: OHSUNG ELECTRONICS CO., LTD.**

**Manufacturer Address: #181 Gongdan-dong, Gumi-si, Gyeongbuk, Republic of Korea**

**Contact Person: Mr. Hak-Ki Kim / General Manager**

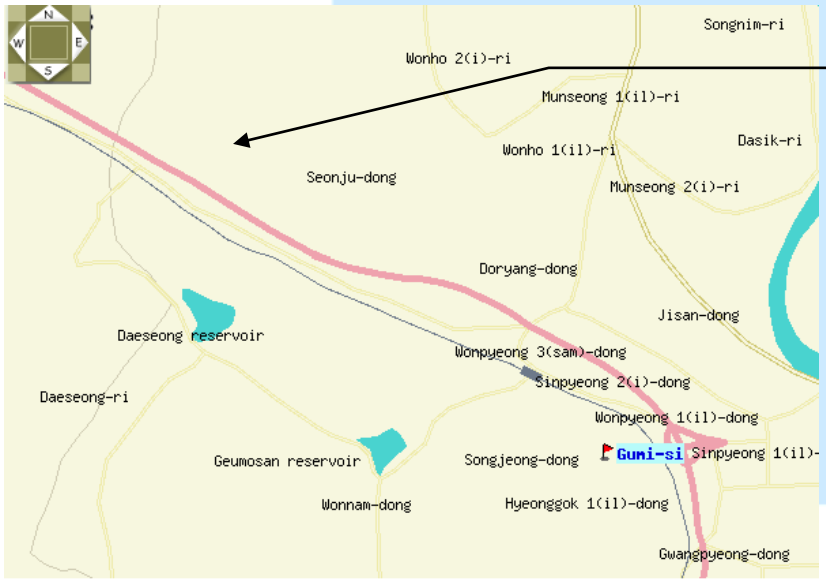
**Tel. Number: +82-54-468- 7281 Fax Number: +82-54- 461- 8368**

- **FCC ID.** OZ5URCGEN2CP1
- **EUT Type** CENTRAL PROCESSOR
- **Model Name** CP-1
- **Trade Name** UNIVERSAL Remote Control
- **Serial Number** Prototype
- **Rule Part(s)** FCC Part 15 Subpart B
- **Type of Authority** Certification
- **Test Procedure(s)** ANSI C63.4 (2009) / Canadian standard ICES-003
- **Dates of Test** October 1 ~ 7, 2013
- **Place of Test** **GUMI COLLEGE EMC CENTER** (FCC Registration Number: 100749, 443957) 37 Yaeun-ro, Gumi-si, Gyeongsangbuk-do, 730-711, Republic of Korea.
- **Test Report Number** GETEC-E3-13-075
- **Dates of Issue** October 18, 2013

## 2. Introduction

The measurement procedure described in American National Standard for Methods of Measurement of Radio-Nose Emissions From Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz (ANSI C63.4-2009) was used in determining radiated and conducted emissions emanating from **OHSUNG ELECTRONICS CO., LTD. CENTRAL PROCESSOR(Model Name: CP-1)**

These measurement tests were conducted at **GUMI COLLEGE EMC CENTER**
The site address is 37 Yaeun-ro, Gumi-si, Gyeongsangbuk-do, 730-711, Republic of Korea.
This test site is one of the highest point of Gumi college at about 200 km away from Seoul city and 40 km away from Daegu city. It is located in the valley surrounded by mountains in all directions where ambient radio signal conditions are quiet and a favorable area to measure the radio frequency interference on open field test site for the computing and ISM devices manufactures. The detailed description of the measurement facility was found to be in compliance with the requirements of §2.948 according to ANSI C63.4 (2009)




**GUMI COLLEGE EMC CENTER**
37 Yaeun-ro, Gumi-si,
Gyeongsangbuk-do, 730-711,
Republic of Korea
Tel: +82-54-440-1195
Fax: +82-54-440-1199

Fig 1. The map above shows the Gumi College in vicinity area.

## 3. Product Information

### 3.1 Description of EUT

The Equipment under Test (EUT) is the **OHSUNG ELECTRONICS CO., LTD. CENTRAL PROCESSOR (Model Name: CP-1) FCC ID.: OZ5URCGEN2CP1**

-. Equipment : CENTRAL PROCESSOR

-. Model Name : CP-1

-. Serial Number : Prototype

-. Network : One 10/100 Ethernet port

-. Relay : One relay configurable to be No, NC or Momentary

-. Sensor : One sensor supports Video or Voltage sensing via URC sensors.

-. RS232 : Two RS-232 ports support TX, RX and GND two way communication via URC cables.

-. IR : Six adjustable IR ports enable the included URC emitters to control IR devices
Note: 6th IR Output requires the included sleeved emitter(identified by a pink connector), since it can optionally be used to connect an RFTX-1

-. Weight : 8.4 oz.

-. Size : 3.74 “ × 2.7 “ × 1.1 “

-. Power : 12 V External Power Supply
-. AC/DC Adaptor
Model name : MLF-A00121201000U0075
Manufacture: SHENZHEN MLF TECH. CO.,LTD
Rating : Input AC 100 ~ 240 V , 50-60 Hz, 0.4 A
Output DC 12 V, 1.0 A

-. Clock Frequency : 133 MHz

### 3.2 Support Equipment / Cables used

3.2.1 Used Support Equipment

| Description | Manufacturer | Model Name | S/N & FCC ID. |
|---|---|---|---|
| Notebook computer | COMPAQ | N620C | S/N: CNU33509W8<br>FCC ID.: DoC |
| RF Sensor | OHSUNG ELECTRONICS CO., LTD | RFTX1 | S/N: None.<br>FCC ID.: DoC |
| Voltage power sensor | OHSUNG ELECTRONICS CO., LTD | VS-100 | S/N: None.<br>FCC ID: DoC |

***See "Appendix D – Test Setup Photographs" for actual system test set-up***

3.2.2 System configuration

| Description | Manufacturer | Model Name | S/N & FCC ID. |
|---|---|---|---|
| Adaptor[1)] | SHENZHEN MLF TECH. CO.,LTD | MLF-A00121201000U0075 | S/N: None.<br>FCC ID.: N/A |

1）Rating: Input AC 100 ~ 240 V , 50-60 Hz, 0.4 A / Output DC 12 V, 1.0 A

3.2.3 Used Cable(s)

| Cable Name | Condition | Description |
|---|---|---|
| Power cable(Multi-tap) | Connected to the EUT(Adaptor) and power supply | 1.20 m unshielded |
| DC in cable | Connected to the EUT(Main) and EUT(Adaptor) | 1.80 m unshielded a ferrite core |
| Ethernet cable | Connected to the EUT(Main) and Network | 10.00 m unshielded |
| RS-232 cable | Connected to the EUT(Main) and notebook computer | 1.80 m Shielded with a ferrite core |
| Sensor in cable | Connected to the EUT(Main) and Voltage power sensor | 2.00 m unshielded |
| IR in cable | Connected to the EUT(Main) and Remote controller | 1.00 m unshielded |
| IR output sensor cable | Connected to the EUT(Main) and IR Emitter(6EA) | 2.90 m unshielded |
| RF out cable | Connected to the EUT(Main) and CENTRAL PROCESSOR | 3.60 m unshielded |

### 3.3 Modification Item(s)

- None

## 4. Description of tests

### 4.1 Test Condition

The EUT was installed, arranged and operated in a manner that is most representative of equipment as typically used. The measurements were carried out while varying operating modes and cable positions within typically arrangement to determine maximum emission level.
The representative and worst test mode(s) were noted in the test report.

The test conditions of the noted test mode(s) in this test report are;

- Test Voltage / Frequency : AC 120 V / 60 Hz
- Test Mode(s): Communication via LAN interface and continuous IR output mode

### 4.2 Conducted Emission

The Line conducted emission test facility is inside a 4 m × 8 m × 2.5 m shielded enclosure. (FCC Registration No.: 100749)
The EUT was placed on a non-conducting 1.0 m by 1.5 m table, which is 0.8 m in height and 0.4 m away from the vertical wall of the shielded enclosure.
The EUT is powered from the Rohde & Schwarz LISN (ESH2-Z5) and the support equipment is powered from the Rohde & Schwarz LISN (ESH3-Z5). Powers to the LISN are filtered by high-current high insertion loss power line filter.
Sufficient time for EUT, support equipment, and test equipment was allowed in order for them to warm up to their normal operating condition.
The RF output of the LISN was connected to the EMI test receiver (Rohde & Schwarz, ESCS30).
Exploratory measurements were conducted to identify the highest emission by operating the EUT in a range of typical modes of operation, cable positions, system configuration and arrangement.
Based on exploratory measurements, the final measurements were conducted at the worst test conditions.

Exploratory measurements were scanned using Peak mode of EMI Test receiver from 150 kHz to 30 MHz with 20 ms sweep time. The final measurements were measured with Quasi-Peak and Average mode.
The bandwidth of EMI Test Receiver was set to 9 kHz. Interface cables were connected to the available interface ports of the test unit. Excess cable lengths were bundled at center with 30 cm ~ 40 cm.

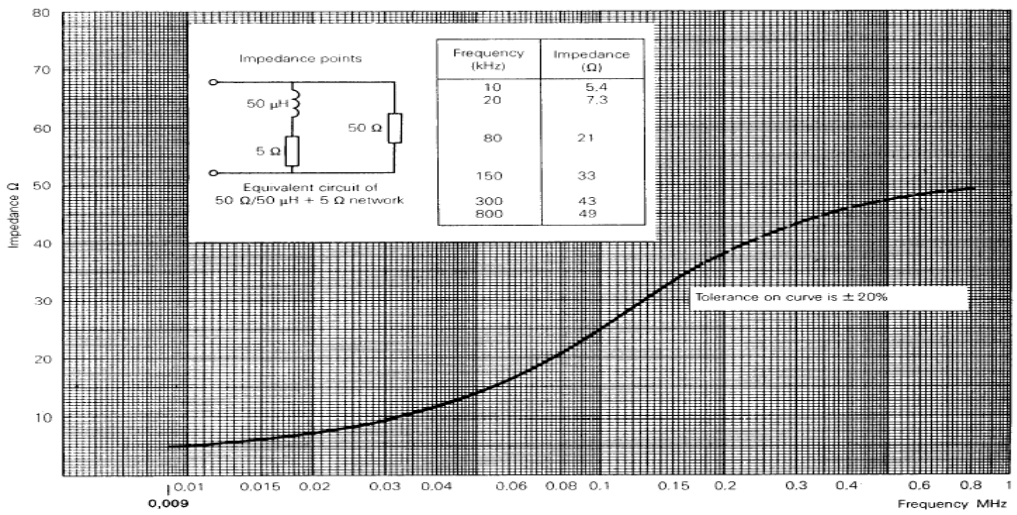



Fig 2. Impedance of LISN

### 4.3 Radiated Emission

Exploratory Radiated measurements were conducted at the 3m semi anechoic chamber in order to identify the highest emission by operating the EUT in a range of typical modes of operation, cable positions, system configuration and arrangement.
Based on exploratory measurements, the final measurements were conducted at the worst test conditions.

Final measurements of below 1GHz were made at 3m Chamber (FCC Registration No.: 443957) or Open area test site (FCC Registration No.: 100749) that complies with CISPR 16/ANSI C63.4.
Above 1GHz final measurements were conducted at the 3m Chamber (FCC Registration No.: 443957) only.

For measurements above 1GHz, the bottom side of 3m chamber was installed with absorbers in order to meet SVSWR Limit.
Exploratory measurements were scanned using Peak mode of EMI Test receiver and final measurements were measured with Quasi-Peak mode (Below 1GHz) and Peak & Average mode (Above 1GHz).

The measurements were performed by rotating the EUT 360° and adjusting the receive antenna height from 1.0 m to 4.0 m. All frequencies were investigated in both horizontal and vertical antenna polarity.

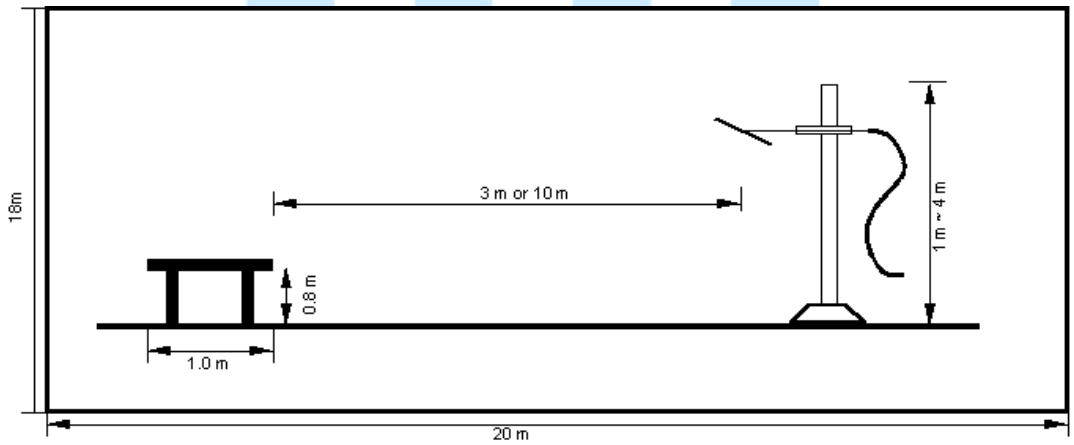



Fig 3. Dimensions of test site (Below 1GHz)

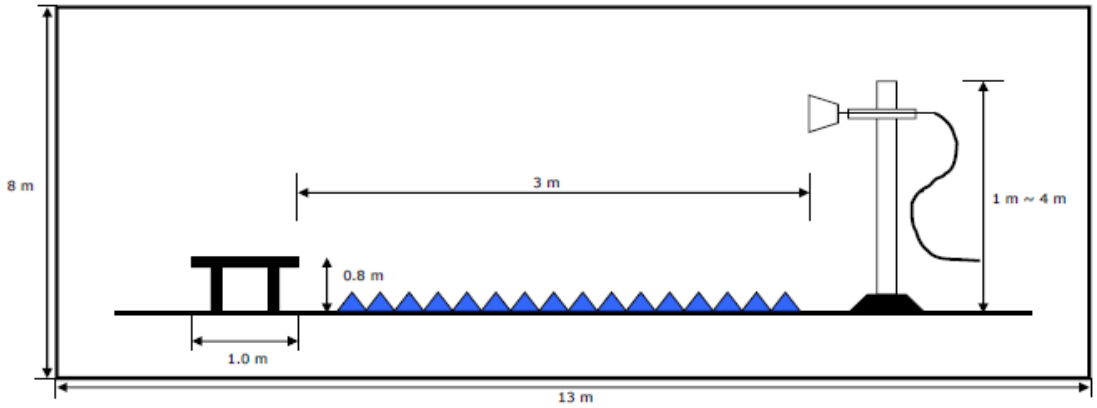



Fig 4. Dimensions of test site (Above 1GHz)

## 5. Conducted Emission

### 5.1 Operating Environment

Temperature : 24.0 ℃
Relative Humidity : 49.6 % R.H.

### 5.2 Test Set-up

The conducted emission measurements were performed in the shielded room.
The EUT was placed on wooden table, 0.8 m heights above the floor, 0.4 m from the reference ground plane (GRP) wall and 0.8 m from AMN &ISN.
AMN is bonded on horizontal reference ground plane.
The ground plane, which was electrically bonded to the shield room, ground system and all power lines entering the shield room, were filtered.

### 5.3 Measurement Uncertainty

The measurement uncertainty was calculated in accordance with ISO "Guide to the expression of uncertainty in measurement."
The measurement uncertainty was given with a confidence of 95 %.

| Test Items | Uncertainty | Remark |
|---|---|---|
| Conducted emission (9 kHz ~ 150 kHz) | ± 2.74 dB | Confidence level of approximately 95 % ($k$ = 2) |
| Conducted emission (150 kHz ~ 30 MHz) | ± 4.25 dB | Confidence level of approximately 95 % ($k$ = 2) |

**5.4 Limit**

| RFI Conducted | FCC Limit(dBµV/m) Class B | |
|---|---|---|
| Freq. Range | Quasi-Peak | Average |
| 150 kHz ~ 0.5 MHz | 66 ~ 56* | 56 ~ 46* |
| 0.5 MHz ~ 5 MHz | 56 | 46 |
| 5 MHz ~ 30 MHz | 60 | 50 |
| *Limits decreases linearly with the logarithm of frequency. | | |

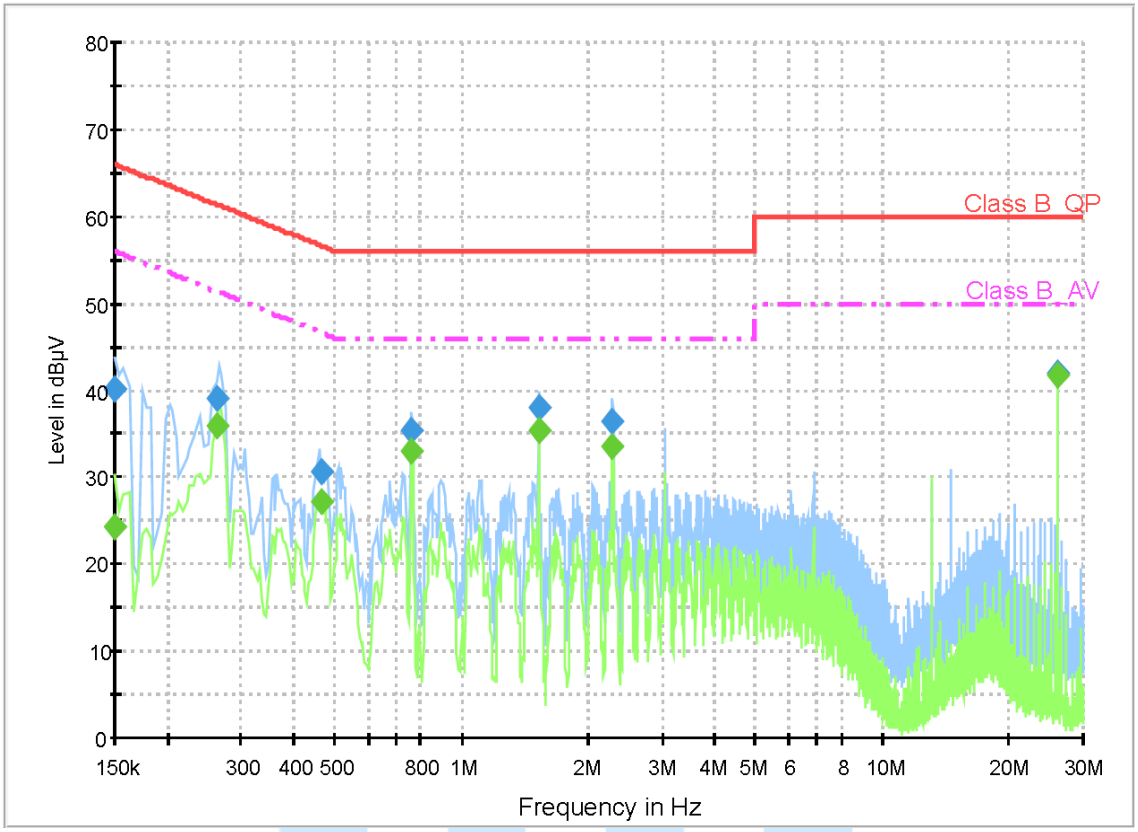
**5.5 Test Equipment used**

| | Model Name | Manufacturer | Description | Serial Number | Due to Calibration |
|---|---|---|---|---|---|
| ■ - | ESCS30 | Rohde & Schwarz | EMI Test Receiver | 839809/003 | 05. 03. 2014 |
| ■ - | ESH3-Z5 | Rohde & Schwarz | LISN | 838979/020 | 05. 03. 2014 |
| ■ - | ESH2-Z5 | Rohde & Schwarz | LISN | 829991/009 | 05. 03. 2014 |
| ■ - | ISN T8 | TESEQ. GmbH | ISN | 24568 | 07. 04. 2014 |

**5.6 Test data for Conducted Emission**

-. Test Date : October 1, 2013
-. Resolution Bandwidth : 9 kHz
-. Frequency Range : 0.15 MHz ~ 30 MHz
-. Line : L1: Live, N: Neutral

▪ Operating condition: Communication via LAN interface and continuous IR output mode




## Final Result 1

| Frequency (MHz) | QuasiPeak (dBµV) | Meas. Time (ms) | Bandwidth (kHz) | PE | Line | Corr. (dB) | Margin (dB) | Limit (dBµV) | Comment |
|---|---|---|---|---|---|---|---|---|---|
| 0.150000 | 40.1 | 1000.0 | 0.200 | GND | N | 10.1 | 25.9 | 66.0 | |
| 0.264000 | 39.0 | 1000.0 | 9.000 | GND | L1 | 10.1 | 22.3 | 61.3 | |
| 0.464000 | 30.6 | 1000.0 | 9.000 | GND | L1 | 10.1 | 26.0 | 56.6 | |
| 0.764000 | 35.4 | 1000.0 | 9.000 | GND | L1 | 10.1 | 20.6 | 56.0 | |
| 1.524000 | 38.0 | 1000.0 | 9.000 | GND | L1 | 10.1 | 18.0 | 56.0 | |
| 2.288000 | 36.4 | 1000.0 | 9.000 | GND | L1 | 10.1 | 19.6 | 56.0 | |
| 26.124000 | 42.0 | 1000.0 | 9.000 | GND | L1 | 10.6 | 18.0 | 60.0 | |

## Final Result 2

| Frequency (MHz) | CAverage (dBµV) | Meas. Time (ms) | Bandwidth (kHz) | PE | Line | Corr. (dB) | Margin (dB) | Limit (dBµV) | Comment |
|---|---|---|---|---|---|---|---|---|---|
| 0.150000 | 24.3 | 1000.0 | 9.000 | GND | N | 10.1 | 31.7 | 56.0 | |
| 0.264000 | 35.9 | 1000.0 | 9.000 | GND | L1 | 10.1 | 15.4 | 51.3 | |
| 0.464000 | 27.3 | 1000.0 | 9.000 | GND | L1 | 10.1 | 19.3 | 46.6 | |
| 0.764000 | 32.9 | 1000.0 | 9.000 | GND | L1 | 10.1 | 13.1 | 46.0 | |
| 1.524000 | 35.3 | 1000.0 | 9.000 | GND | L1 | 10.1 | 10.7 | 46.0 | |
| 2.288000 | 33.5 | 1000.0 | 9.000 | GND | L1 | 10.1 | 12.5 | 46.0 | |
| 26.124000 | 41.8 | 1000.0 | 9.000 | GND | L1 | 10.6 | 8.2 | 50.0 | |

**< Fig 5. Conducted emission result >**

## 6. Radiated Emission

### 6.1 Operating Environment

Temperature : 25.3 ℃
Relative Humidity : 40.3 % R.H.

### 6.2 Test Set-up

A preliminary and final measurement was at 3 m anechoic chamber.
The EUT was placed on a non-conductive turntable approximately 0.8 m above the ground plane.
The turntable with EUT was rotated 360°, and the antenna was varied in height between 1.0 m and 4.0 m in order to determine the maximum emission levels.
This procedure was performed for both horizontal and vertical polarization of the receiving antenna.

### 6.3 Measurement Uncertainty

The measurement uncertainty was calculated in accordance with ISO “Guide to the expression of uncertainty in measurement”.
The measurement uncertainty was given with a confidence of 95 %.

| Test Items(Anechoic Chamber) | Uncertainty | Remark |
|---|---|---|
| Radiated emission (30 MHz ~ 300 MHz, 3 m, Vertical) | ± 4.35 dB | Confidence level of approximately 95 % ($k$ = 2) |
| Radiated emission (30 MHz ~ 300 MHz, 3 m, Horizontal) | ± 4.29 dB | Confidence level of approximately 95 % ($k$ = 2) |
| Radiated emission (300 MHz ~ 1 000 MHz, 3 m, Vertical) | ± 4.43 dB | Confidence level of approximately 95 % ($k$ = 2) |
| Radiated emission (300 MHz ~ 1 000 MHz, 3 m, Horizontal) | ± 4.21 dB | Confidence level of approximately 95 % ($k$ = 2) |

**6.4 Limit**

| Frequency (MHz) | FCC Limit @ 3 m. dBµV/m | CISPR Limit @ 10 m. dBµV/m |
|---|---|---|
| 30 ~ 88 | 40.0 | 30.0 |
| 88 ~ 216 | 43.5 | 30.0 |
| 216 ~ 230 | 46.0 | 30.0 |
| 230 ~ 960 | 46.0 | 37.0 |
| 960 ~ 1 000 | 54.0 | 37.0 |

| Frequency (MHz) | FCC Class B Peak Limit @ 3 m dBµV/m | FCC Class B Average Limit@ 3 m dBµV/m |
|---|---|---|
| > 1 000 | 74.0 | 54.0 |

**6.5 Test Equipment used**

| | Model Name | Manufacturer | Description | Serial Number | Due to Calibration |
|---|---|---|---|---|---|
| ■ - | ESIB26 | Rohde & Schwarz | EMI Test Receiver | 830482/010 | 05. 02. 2014 |
| ■ - | VULB9160 | Schwarzbeck | Broadband Test Antenna | 3193 | 03. 15. 2014 |
| ■ - | BBHA9120D | Schwarzbeck | Horn Antenna | 597 | 02. 28. 2015 |
| ■ - | MCU066 | maturo GmbH | Position Controller | 1390306 | N/A |
| ■ - | TT2.5SI | maturo GmbH | Turntable | 1390307 | N/A |
| ■ - | AM 4.0 | maturo GmbH | Antenna Mast | 1390308 | N/A |
| ■ - | AFS 44 00101800-25-10P-44 | MITEQ | Preamplifier | 1258943 | 01. 24. 2014 |

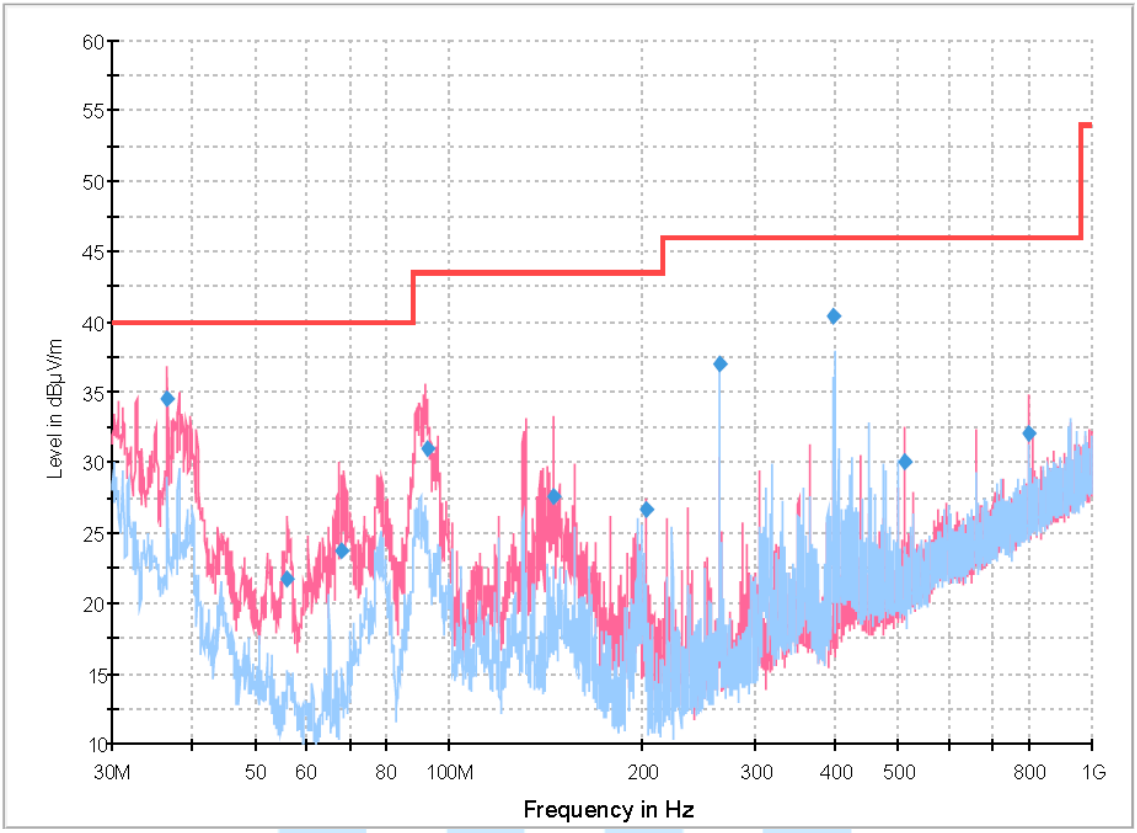
**6.6 Test data for Radiated Emission**

-. Test Date : October 7, 2013
-. Measurement Distance : 3 m
-. Note : The highest frequency of the internal source of the EUT is 133 MHz
Therefore the measurement was made up to 2 000 MHz

-. Measurement

| Frequency range | 30 MHz ~ 1 GHz | Above 1 GHz |
|---|---|---|
| Detector mode | Quasi peak | Peak / Average |
| Resolution bandwidth | 120 kHz | 1 MHz |

▪ Operating condition: Communication via LAN interface and continuous IR output mode

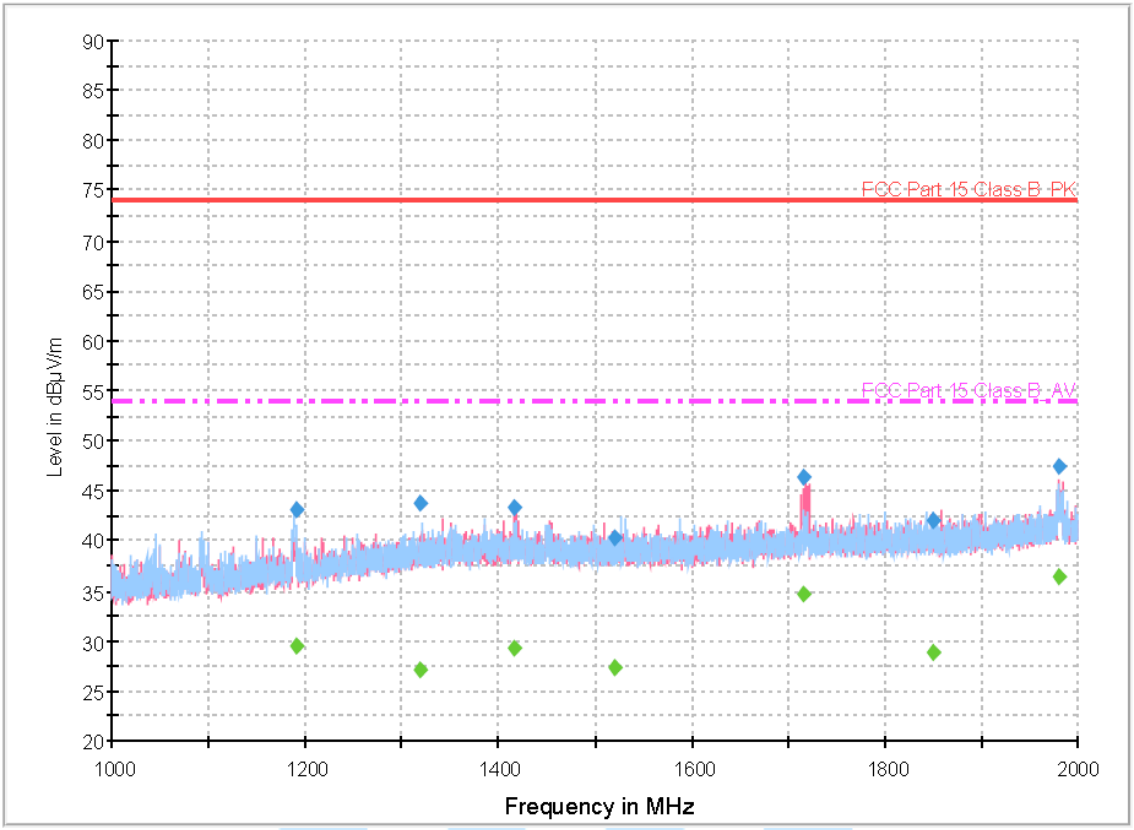



## Final Result 1

| Frequency (MHz) | QuasiPeak (dBµV/m) | Meas. Time (ms) | Bandwidth (kHz) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) |
|---|---|---|---|---|---|---|---|---|---|
| 36.554000 | 34.5 | 1000.0 | 120.000 | 150.0 | V | 60.0 | 11.8 | 5.5 | 40.0 |
| 56.166375 | 21.7 | 1000.0 | 120.000 | 100.0 | V | 122.0 | 12.6 | 18.3 | 40.0 |
| 67.878875 | 23.8 | 1000.0 | 120.000 | 100.0 | V | 114.0 | 11.8 | 16.2 | 40.0 |
| 92.734500 | 30.9 | 1000.0 | 120.000 | 100.0 | V | 253.0 | 9.7 | 12.6 | 43.5 |
| 145.887875 | 27.6 | 1000.0 | 120.000 | 100.0 | V | 30.0 | 14.8 | 15.9 | 43.5 |
| 202.496125 | 26.7 | 1000.0 | 120.000 | 100.0 | V | 57.0 | 12.0 | 16.8 | 43.5 |
| 264.052000 | 37.1 | 1000.0 | 120.000 | 144.0 | H | 18.0 | 15.3 | 8.9 | 46.0 |
| 395.954375 | 40.4 | 1000.0 | 120.000 | 100.0 | H | 71.0 | 19.6 | 5.6 | 46.0 |
| 510.135125 | 30.1 | 1000.0 | 120.000 | 150.0 | V | 25.0 | 22.3 | 15.9 | 46.0 |
| 799.998125 | 32.1 | 1000.0 | 120.000 | 125.0 | V | 198.0 | 28.2 | 13.9 | 46.0 |

**< Fig 6. Radiated emission result (30 MHz ~ 1 000 MHz) >**

▪ Operating condition: 1 920 × 1 080 / 60 Hz (HDMI: Digital)
Green marker: Average detector, Blue marker: Peak detector




## Final Result 1

| Frequency (MHz) | MaxPeak (dBµV/m) | Meas. Time (ms) | Bandwidth (kHz) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) |
|---|---|---|---|---|---|---|---|---|---|
| 1190.537333 | 43.2 | 1000.0 | 1000.000 | 125.0 | H | 60.0 | -10.0 | 30.8 | 74.0 |
| 1319.337500 | 43.7 | 1000.0 | 1000.000 | 100.0 | V | 15.0 | -8.1 | 30.3 | 74.0 |
| 1417.343833 | 43.3 | 1000.0 | 1000.000 | 100.0 | V | -1.0 | -7.6 | 30.7 | 74.0 |
| 1519.637333 | 40.4 | 1000.0 | 1000.000 | 175.0 | H | 70.0 | -7.8 | 33.6 | 74.0 |
| 1716.012667 | 46.4 | 1000.0 | 1000.000 | 100.0 | V | 12.0 | -7.1 | 27.6 | 74.0 |
| 1849.400167 | 42.1 | 1000.0 | 1000.000 | 175.0 | V | 188.0 | -6.6 | 31.9 | 74.0 |
| 1980.593667 | 47.5 | 1000.0 | 1000.000 | 100.0 | V | 210.0 | -6.0 | 26.5 | 74.0 |

## Final Result 2

| Frequency (MHz) | CAverage (dBµV/m) | Meas. Time (ms) | Bandwidth (kHz) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) |
|---|---|---|---|---|---|---|---|---|---|
| 1190.537333 | 29.5 | 1000.0 | 1000.000 | 125.0 | H | 60.0 | -10.0 | 24.5 | 54.0 |
| 1319.337500 | 27.1 | 1000.0 | 1000.000 | 100.0 | V | 15.0 | -8.1 | 26.9 | 54.0 |
| 1417.343833 | 29.2 | 1000.0 | 1000.000 | 100.0 | V | -1.0 | -7.6 | 24.8 | 54.0 |
| 1519.637333 | 27.2 | 1000.0 | 1000.000 | 175.0 | H | 70.0 | -7.8 | 26.8 | 54.0 |
| 1716.012667 | 34.8 | 1000.0 | 1000.000 | 100.0 | V | 12.0 | -7.1 | 19.2 | 54.0 |
| 1849.400167 | 28.9 | 1000.0 | 1000.000 | 175.0 | V | 188.0 | -6.6 | 25.1 | 54.0 |
| 1980.593667 | 36.5 | 1000.0 | 1000.000 | 100.0 | V | 210.0 | -6.0 | 17.5 | 54.0 |

**< Fig 7. Radiated emission result (1 000 MHz ~ 2 000 MHz) >**

## 7. Sample Calculations

$$dB\mu V = 20 \text{ Log }_{10}(\mu V/m)$$
$$dB\mu V = dBm + 107$$
$$\mu V = 10^{(dB\mu V/20)}$$

**7.1 Example 1 :**

■ **20.3 MHz**

**Class B Limit** = 250 µV = 48 dBµV

**Reading** = 39.2 dBµV

$10^{(39.2dB\mu V/20)}$ = 91.2 µV

**Margin** = 48 dBµV - 39.2 dBµV

= 8.8 dB

**7.2 Example 2 :**

■ **66.7 MHz**

**Class B Limit** = 100 µV/m = 40.0 dBµV/m

**Reading** = 31.0 dBµV

**Antenna Factor + Cable Loss** = 5.8 dB

**Total** = 36.8 dBµV/m

**Margin** = 40.0 dBµV/m – 36.8 dBµV/m

= 3.2 dB

## 8. Recommendation & Conclusion

The data collected shows that the **OHSUNG ELECTRONICS CO., LTD.. CENTRAL PROCESSOR(Model Name: CP-1)** was complies with §15.107 and 15.109 of the FCC Rules.

**- The end -**