# EMC TEST REPORT

SIEMIC
GLOBAL TESTING & CERTIFICATIONS
YOUR CHOICE FOR- TCB FCB CB NB CAB RCB

**Report No.: 16021348-FCC-E**
**Supersede Report No.: N/A**

| | |
|---|---|
| **Applicant** | Ringway Tech(Jiangsu) Co.,Ltd. |
| **Product Name** | DIGITAL PIANO |
| **Main Model No.** | KAG-100 |
| **Serial Model** | N/A |
| **Test Standard** | FCC Part 15 Subpart B Class B:2016, ANSI C63.4: 2014 |
| **Test Date** | October 20, 2016 |
| **Issue Date** | October 24 , 2016 |
| **Test Result** | ☑ **Pass** ☐ **Fail** |
| **Equipment complied with the specification** | ☑ |
| **Equipment did not comply with the specification** | ☐ |

| | | |
|---|---|---|
| Leo Jiang | Miro Bao | |
| **Leo Jiang**<br>**Test Engineer** | **Miro Bao**<br>**Checked By** | |

**This test report may be reproduced in full only**
**Test result presented in this test report is applicable to the tested sample only**


**Issued by:**
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# Laboratories Introduction

SIEMIC, headquartered in the heart of Silicon Valley, with superior facilities in US and Asia, is one of the leading independent testing and certification facilities providing customers with one-stop shop services for Compliance Testing and Global Certifications.


In addition to testing and certification, SIEMIC provides initial design reviews and compliance management throughout a project. Our extensive experience with China, Asia Pacific, North America, European, and International compliance requirements, assures the fastest, most cost effective way to attain regulatory compliance for the global markets.

## Accreditations for Conformity Assessment

| Country/Region | Scope |
|---|---|
| USA | EMC, RF/Wireless, SAR, Telecom |
| Canada | EMC, RF/Wireless, SAR, Telecom |
| Taiwan | EMC, RF, Telecom, SAR, Safety |
| Hong Kong | RF/Wireless, SAR, Telecom |
| Australia | EMC, RF, Telecom, SAR, Safety |
| Korea | EMI, EMS, RF, SAR, Telecom, Safety |
| Japan | EMI, RF/Wireless, SAR, Telecom |
| Singapore | EMC, RF, SAR, Telecom |
| Europe | EMC, RF, SAR, Telecom, Safety |

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# 1. Report Revision History

| Report No. | Report Version | Description | Issue Date |
|---|---|---|---|
| 16021348-FCC-E | NONE | Original | October 24 , 2016 |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

# 2. Customer information

| | |
|---|---|
| Applicant Name | Ringway Tech(Jiangsu) Co.,Ltd. |
| Applicant Add | No. 101 West Hanjiang Road, Changzhou,Jiangsu, China |
| Manufacturer | Ringway Tech(Jiangsu) Co.,Ltd. |
| Manufacturer Add | No. 101 West Hanjiang Road, Changzhou,Jiangsu, China |

# 3. Test site information

| | |
|---|---|
| Lab performing tests | SIEMIC (Nanjing-China) Laboratories |
| Lab Add | 2-1 Longcang Avenue Yuhua Economic and Technology Development Park, Nanjing, China |
| FCC Test Site No. | 986914 |
| IC Test Site No. | 4842B-1 |
| Test Software | EZ_EMC |

# 4. Equipment under Test (EUT) Information

| | |
| --- | --- |
| Description of EUT: | DIGITAL PIANO |
| Main Model: | KAG-100 |
| Serial Model: | N/A |
| Date EUT received: | October 19, 2016 |
| Test Date(s): | October 20, 2016 |
| Port: | USB to Host Port, Headphones 1/2 Port,Bluetooth Port, Aux in Port, Line out Port, MIDI Out Port |
| Power: | AC 110/220V ~50/60Hz |
| Trade Name : | Young Chang |
| FCC ID: | OCDKAG-100 |

## 5. Test Summary

The product was tested in accordance with the following specifications.
All testing has been performed according to below product classification:

| FCC Rules | Description of Test | Result |
|---|---|---|
| §15.107; ANSI C63.4: 2014 | AC Power Line Conducted Emissions | Compliance |
| §15.109; ANSI C63.4: 2014 | Radiated Emissions | Compliance |

**Measurement Uncertainty**

| Emissions | | |
|---|---|---|
| **Test Item** | **Description** | **Uncertainty** |
| Conducted Emissions & Radiated Emissions | Confidence level of approximately 95% (in the case where distributions are normal), with a coverage factor of 2 (for EUTs < 0.5m X 0.5m X 0.5m) | 1.634dB / 3.952dB |

# 6. Measurements, Examination And Derived Results

## 6.1 AC Power Line Conducted Emissions

| | |
|---|---|
| Temperature | 24°C |
| Relative Humidity | 50% |
| Atmospheric Pressure | 1013mbar |
| Test date : | October 24, 2016 |
| Tested By : | Leo Jiang |

**Requirement(s):**

| Spec | Requirement | Applicable |
|---|---|---|
| 47CFR §15.107 | For Low-power radio-frequency devices that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table, as measured using a 50 [mu]H/50 ohms line impedance stabilization network (LISN). The lower limit applies at the boundary between the frequencies ranges. | ☑ |

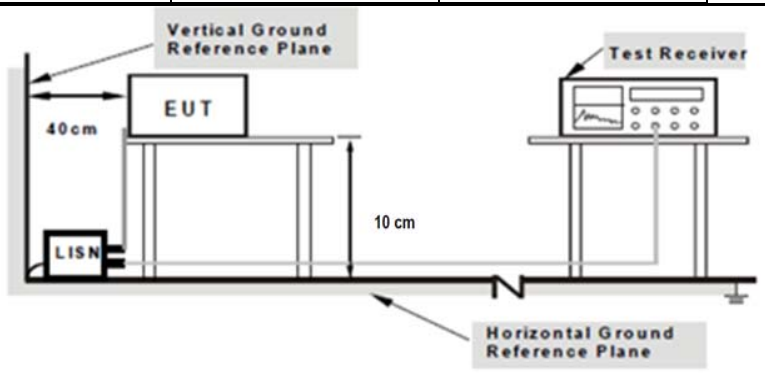
**Class B digital devices**

| Frequency ranges (MHz) | Limit (dBµV) | |
|---|---|---|
| | QP | Average |
| 0.15 ~ 0.5 | 66 to 56 | 56 to 46 |
| 0.5 ~ 5 | 56 | 46 |
| 5 ~ 30 | 60 | 50 |

**Class A digital devices**

| Frequency ranges (MHz) | Limit (dBµV) | |
|---|---|---|
| | QP | Average |
| 0.15 ~ 0.5 | 79 | 66 |
| 0.5 ~ 30 | 73 | 60 |

Test Setup




Note: 1.Support units were connected to second LISN.
2.Both of LISNs (AMN) are 80cm from EUT and at least 80cm from other units and other metal planes support units.

Procedure

1. The EUT and supporting equipment were set up in accordance with the requirements of the standard on top of a 1.5m x 1m x 0.1m high, non-metallic table.
2. The power supply for the EUT was fed through a 50W/50mH EUT LISN, connected to filtered mains.
3. The RF OUT of the EUT LISN was connected to the EMI test receiver via a low-loss coaxial cable.
4. All other supporting equipment were powered separately from another main supply.
5. The EUT was switched on and allowed to warm up to its normal operating condition.
6. A scan was made on the NEUTRAL line (for AC mains) or Earth line (for DC power) over the required frequency range using an EMI test receiver.
7. High peaks, relative to the limit line, were then selected, The EMI test receiver was then tuned to the selected frequencies and the necessary measurements made with a receiver bandwidth setting of 10kHz.
8. Steps 6-7 were repeated for the LIVE line (for AC mains) or DC line (for DC power).

Remark

| | | |
|---|---|---|
| Result | ☑ Pass | ☐ Fail |
| Test Data | ☑ Yes | ☐ N/A |
| Test Plot | ☑ Yes | ☐ N/A |

**Data sample**

| No. | Frequency (MHz) | Reading (dBμV) | Detector | Lisn/Isn (dB} | Ps_Lmt (dB) | Cab_L (dB) | Result (dBμV) | Limit (dBμV) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|

Frequency (MHz) = Emission frequency in MHz

Reading (dBμV) = Receiver Reading Value

Detector=Quasi Peak Detector or Average Detector

Lisn/ISN= Insertion loss of LISN

Ps_Lmt= Insertion loss of transient limiter (The transient limiter included 10dB attenuation)

Cab_L= cable loss

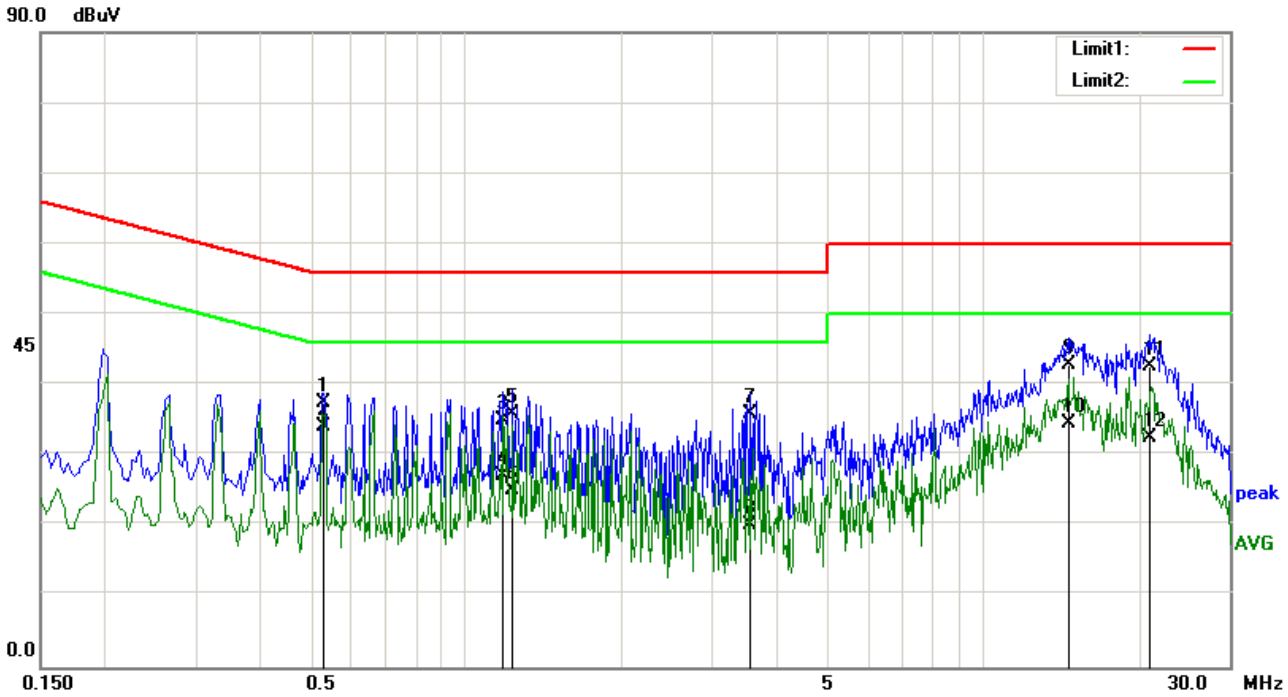
Result (dBμV) = Reading Value + Corrected Value

Limit (dBμV) = Limit stated in standard

**Calculation Formula:**

Margin (dB) = Result (dBμV) – limit (dBμV)

| Test Mode : | Normal Working Mode |
|---|---|

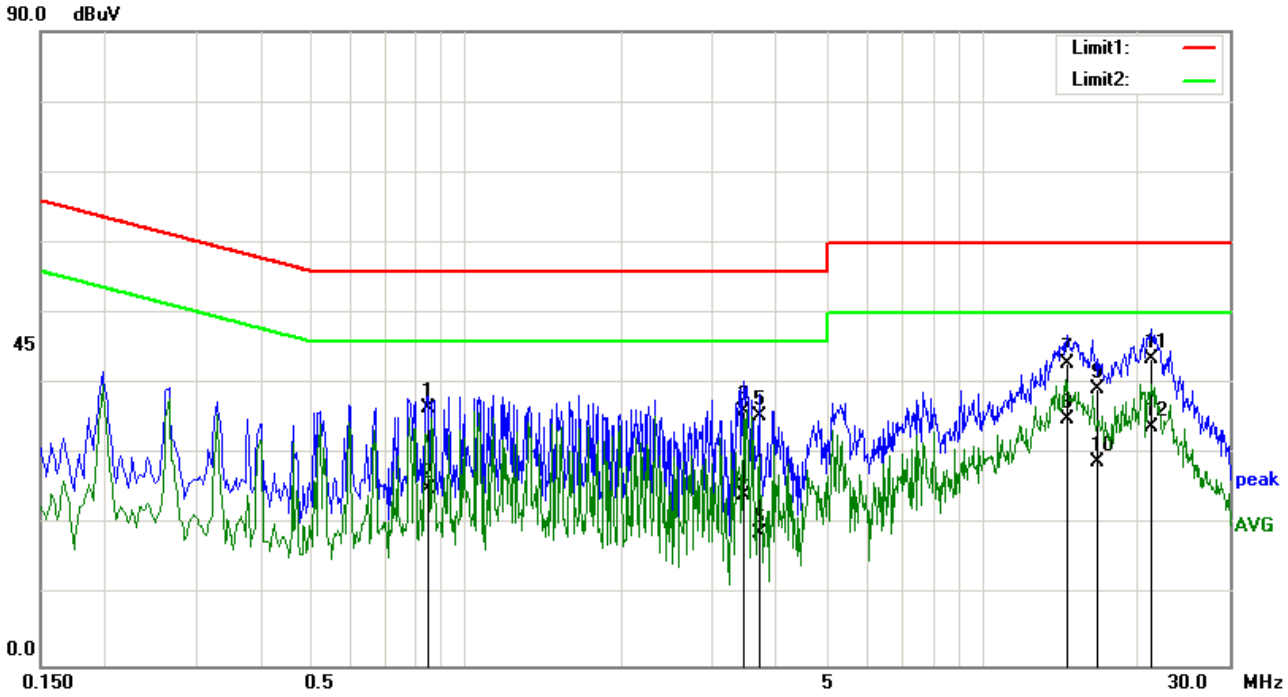



*Test Data*

**Phase Line Plot at 120Vac, 60Hz**

| No. | Frequency (MHz) | Reading (dBµV) | Detector | Lisn/Isn (dB} | Ps_Lmt (dB) | Cab_L (dB) | Result (dBµV) | Limit (dBµV) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.5300 | 27.24 | QP | 0.12 | -10.00 | 0.21 | 37.57 | 56.00 | -18.43 |
| 2 | 0.5300 | 23.86 | AVG | 0.12 | -10.00 | 0.21 | 34.19 | 46.00 | -11.81 |
| 3 | 1.1820 | 24.64 | QP | 0.14 | -10.00 | 0.20 | 34.98 | 56.00 | -21.02 |
| 4 | 1.1820 | 16.82 | AVG | 0.14 | -10.00 | 0.20 | 27.16 | 46.00 | -18.84 |
| 5 | 1.2340 | 25.64 | QP | 0.14 | -10.00 | 0.21 | 35.99 | 56.00 | -20.01 |
| 6 | 1.2340 | 14.75 | AVG | 0.14 | -10.00 | 0.21 | 25.10 | 46.00 | -20.90 |
| 7 | 3.5540 | 25.38 | QP | 0.22 | -10.00 | 0.25 | 35.85 | 56.00 | -20.15 |
| 8 | 3.5540 | 9.62 | AVG | 0.22 | -10.00 | 0.25 | 20.09 | 46.00 | -25.91 |
| 9 | 14.6100 | 31.63 | QP | 0.83 | -10.00 | 0.47 | 42.93 | 60.00 | -17.07 |
| 10 | 14.6100 | 23.32 | AVG | 0.83 | -10.00 | 0.47 | 34.62 | 50.00 | -15.38 |
| 11 | 21.0580 | 30.75 | QP | 1.12 | -10.00 | 0.67 | 42.54 | 60.00 | -17.46 |
| 12 | 21.0580 | 20.68 | AVG | 1.12 | -10.00 | 0.67 | 32.47 | 50.00 | -17.53 |

| Test Mode : | Normal Working Mode |
|---|---|

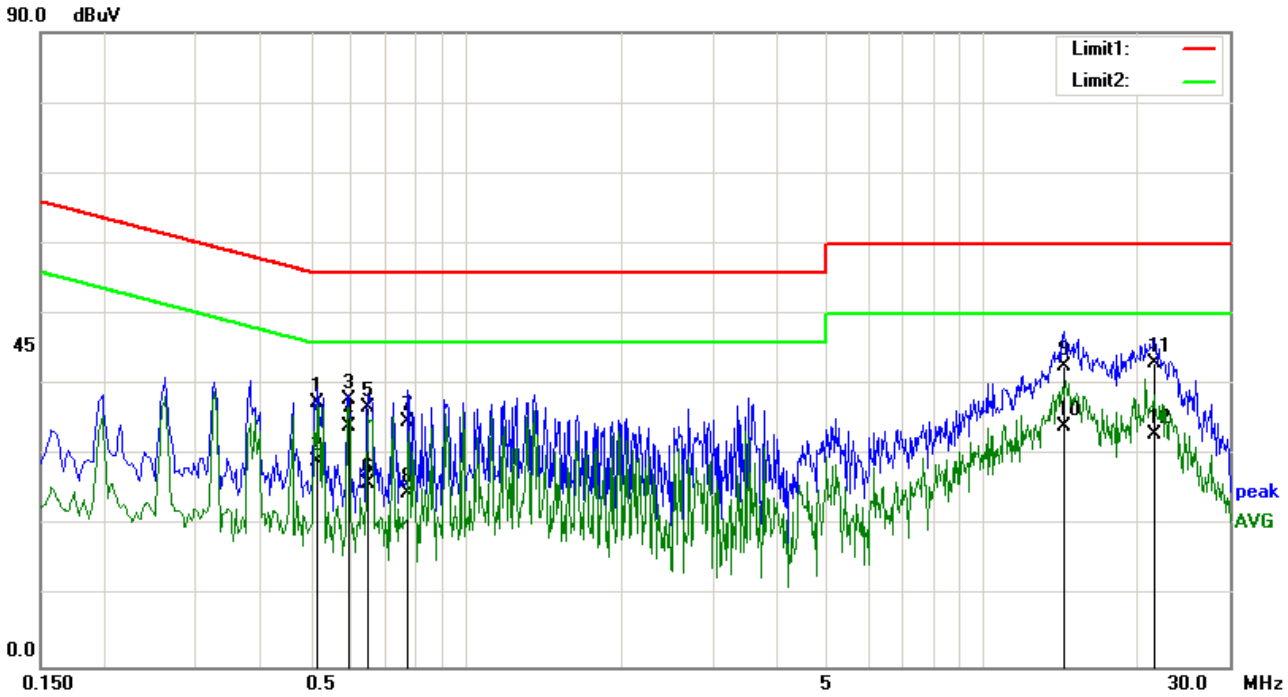



*Test Data*

**Phase Neutral Plot at 120Vac, 60Hz**

| No. | Frequency (MHz) | Reading (dBµV) | Detector | Lisn/lsn (dB} | Ps_Lmt (dB) | Cab_L (dB) | Result (dBµV) | Limit (dBµV) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.8460 | 26.15 | QP | 0.12 | -10.00 | 0.20 | 36.47 | 56.00 | -19.53 |
| 2 | 0.8460 | 14.73 | AVG | 0.12 | -10.00 | 0.20 | 25.05 | 46.00 | -20.95 |
| 3 | 3.4380 | 25.60 | QP | 0.22 | -10.00 | 0.25 | 36.07 | 56.00 | -19.93 |
| 4 | 3.4380 | 13.74 | AVG | 0.22 | -10.00 | 0.25 | 24.21 | 46.00 | -21.79 |
| 5 | 3.6940 | 25.07 | QP | 0.23 | -10.00 | 0.25 | 35.55 | 56.00 | -20.45 |
| 6 | 3.6940 | 8.27 | AVG | 0.23 | -10.00 | 0.25 | 18.75 | 46.00 | -27.25 |
| 7 | 14.5940 | 31.49 | QP | 0.92 | -10.00 | 0.47 | 42.88 | 60.00 | -17.12 |
| 8 | 14.5940 | 23.52 | AVG | 0.92 | -10.00 | 0.47 | 34.91 | 50.00 | -15.09 |
| 9 | 16.6980 | 27.80 | QP | 1.03 | -10.00 | 0.49 | 39.32 | 60.00 | -20.68 |
| 10 | 16.6980 | 17.50 | AVG | 1.03 | -10.00 | 0.49 | 29.02 | 50.00 | -20.98 |
| 11 | 21.2100 | 31.68 | QP | 1.25 | -10.00 | 0.66 | 43.59 | 60.00 | -16.41 |
| 12 | 21.2100 | 21.86 | AVG | 1.25 | -10.00 | 0.66 | 33.77 | 50.00 | -16.23 |

| Test Mode : | Normal Working Mode |
|---|---|

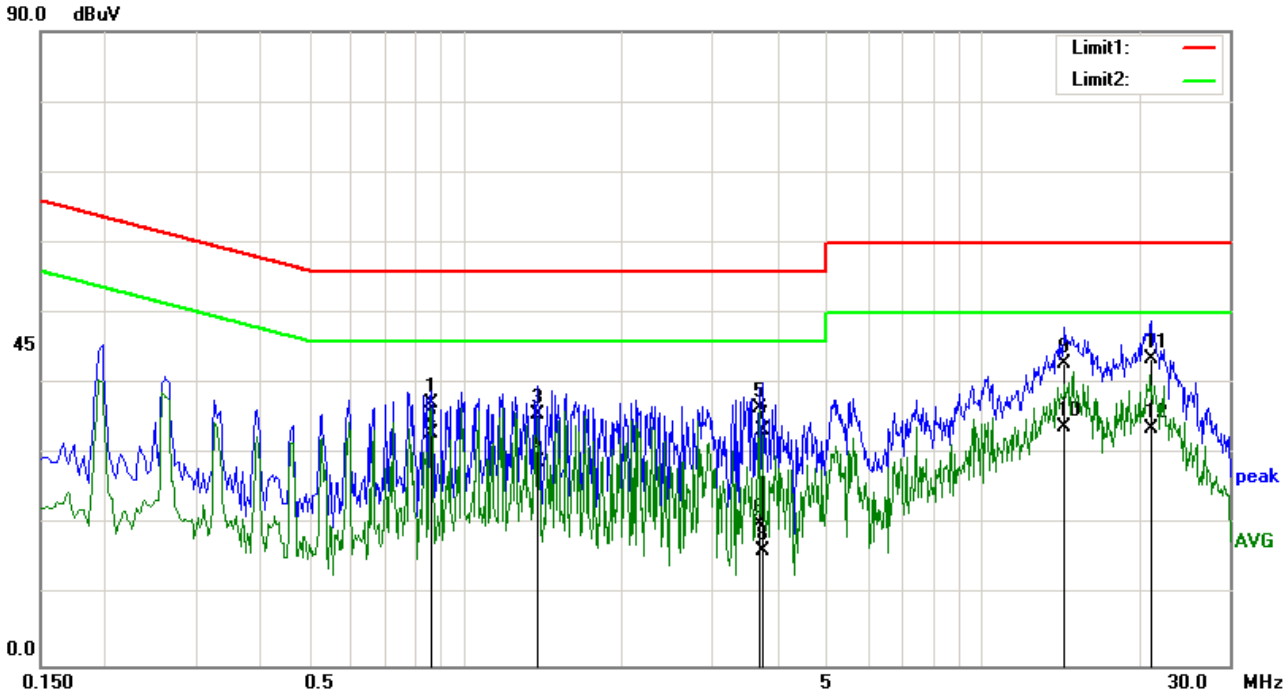



*Test Data*

**Phase Line Plot at 240Vac, 60Hz**

| No. | Frequency (MHz) | Reading (dBµV) | Detector | Lisn/Isn (dB} | Ps_Lmt (dB) | Cab_L (dB) | Result (dBµV) | Limit (dBµV) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.5180 | 27.17 | QP | 0.12 | -10.00 | 0.21 | 37.50 | 56.00 | -18.50 |
| 2 | 0.5180 | 18.71 | AVG | 0.12 | -10.00 | 0.21 | 29.04 | 46.00 | -16.96 |
| 3 | 0.5940 | 27.51 | QP | 0.12 | -10.00 | 0.21 | 37.84 | 56.00 | -18.16 |
| 4 | 0.5940 | 23.84 | AVG | 0.12 | -10.00 | 0.21 | 34.17 | 46.00 | -11.83 |
| 5 | 0.6460 | 26.38 | QP | 0.13 | -10.00 | 0.20 | 36.71 | 56.00 | -19.29 |
| 6 | 0.6460 | 15.75 | AVG | 0.13 | -10.00 | 0.20 | 26.08 | 46.00 | -19.92 |
| 7 | 0.7740 | 24.54 | QP | 0.13 | -10.00 | 0.20 | 34.87 | 56.00 | -21.13 |
| 8 | 0.7740 | 14.38 | AVG | 0.13 | -10.00 | 0.20 | 24.71 | 46.00 | -21.29 |
| 9 | 14.3100 | 31.35 | QP | 0.81 | -10.00 | 0.47 | 42.63 | 60.00 | -17.37 |
| 10 | 14.3100 | 22.81 | AVG | 0.81 | -10.00 | 0.47 | 34.09 | 50.00 | -15.91 |
| 11 | 21.4860 | 31.34 | QP | 1.14 | -10.00 | 0.66 | 43.14 | 60.00 | -16.86 |
| 12 | 21.4860 | 21.16 | AVG | 1.14 | -10.00 | 0.66 | 32.96 | 50.00 | -17.04 |

| Test Mode : | Normal Working Mode |
|---|---|




*Test Data*

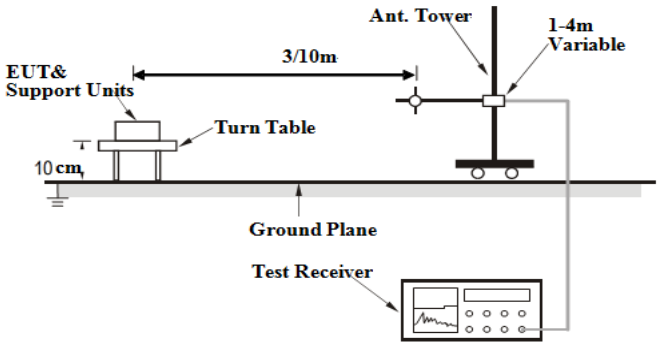
**Phase Neutral Plot at 240Vac, 60Hz**

| No. | Frequency (MHz) | Reading (dBµV) | Detector | Lisn/Isn (dB} | Ps_Lmt (dB) | Cab_L (dB) | Result (dBµV) | Limit (dBµV) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.8540 | 26.96 | QP | 0.13 | -10.00 | 0.20 | 37.29 | 56.00 | -18.71 |
| 2 | 0.8540 | 22.74 | AVG | 0.13 | -10.00 | 0.20 | 33.07 | 46.00 | -12.93 |
| 3 | 1.3740 | 25.36 | QP | 0.14 | -10.00 | 0.21 | 35.71 | 56.00 | -20.29 |
| 4 | 1.3740 | 18.53 | AVG | 0.14 | -10.00 | 0.21 | 28.88 | 46.00 | -17.12 |
| 5 | 3.6980 | 26.04 | QP | 0.23 | -10.00 | 0.25 | 36.52 | 56.00 | -19.48 |
| 6 | 3.6980 | 9.60 | AVG | 0.23 | -10.00 | 0.25 | 20.08 | 46.00 | -25.92 |
| 7 | 3.7540 | 22.98 | QP | 0.23 | -10.00 | 0.25 | 33.46 | 56.00 | -22.54 |
| 8 | 3.7540 | 5.73 | AVG | 0.23 | -10.00 | 0.25 | 16.21 | 46.00 | -29.79 |
| 9 | 14.4060 | 31.45 | QP | 0.90 | -10.00 | 0.47 | 42.82 | 60.00 | -17.18 |
| 10 | 14.4060 | 22.47 | AVG | 0.90 | -10.00 | 0.47 | 33.84 | 50.00 | -16.16 |
| 11 | 21.1500 | 31.59 | QP | 1.25 | -10.00 | 0.66 | 43.50 | 60.00 | -16.50 |
| 12 | 21.1500 | 21.64 | AVG | 1.25 | -10.00 | 0.66 | 33.55 | 50.00 | -16.45 |

## 6.2 Radiated Emissions

| | |
|---|---|
| Temperature | 24°C |
| Relative Humidity | 50% |
| Atmospheric Pressure | 1013mbar |
| Test date : | October 20, 2016 |
| Tested By : | Leo Jiang |

**Requirement(s):**

<table>
<tr><th>Spec</th><th>Requirement</th><th>Applicable</th></tr>
<tr><td>47CFR §15.109</td><td>Except higher limit as specified elsewhere in other section, the emissions from the low-power radio-frequency devices shall not exceed the field strength levels specified in the following table and the level of any unwanted emissions shall not exceed the level of the fundamental emission. The tighter limit applies at the band edges
Class B digital devices (3m)
<table>
<tr><th>Frequency range (MHz)</th><th>Field Strength (μV/m)</th></tr>
<tr><td>30 – 88</td><td>100</td></tr>
<tr><td>88 – 216</td><td>150</td></tr>
<tr><td>216 – 960</td><td>200</td></tr>
<tr><td>Above 960</td><td>500</td></tr>
</table>
Class A digital devices(10m)
<table>
<tr><th>Frequency range (MHz)</th><th>Field Strength (μV/m)</th></tr>
<tr><td>30 – 88</td><td>90</td></tr>
<tr><td>88 – 216</td><td>150</td></tr>
<tr><td>216 – 960</td><td>210</td></tr>
<tr><td>Above 960</td><td>300</td></tr>
</table></td><td>☑</td></tr>
<tr><td>Test Setup</td><td colspan="2"> 
</td></tr>
<tr><td>Procedure</td><td colspan="2">1. The EUT was switched on and allowed to warm up to its normal operating condition.<br>2. The test was carried out at the selected frequency points obtained from the EUT characterisation. Maximization of the emissions, was carried out by rotating the EUT, changing the antenna polarization, and adjusting the antenna height in the following manner:<br>a. Vertical or horizontal polarisation (whichever gave the higher emission level over a full rotation of the EUT) was chosen.<br>b. The EUT was then rotated to the direction that gave the maximum emission.<br>c. Finally, the antenna height was adjusted to the height that gave the maximum emission.<br>3. For emission frequencies measured below and above 1GHz, set the spectrum analyzer on a 100kHz and 1MHz resolution bandwidth respectively for each frequency measured.<br>4. Steps 2 and 3 were repeated for the next frequency point, until all selected frequency points were measured.</td></tr>
<tr><td>Remark</td><td colspan="2"></td></tr>
</table>

| | | |
|---|---|---|
| Result | ☑ Pass | ☐ Fail |
| Test Data | ☑ Yes | ☐ N/A |
| Test Plot | ☑ Yes | ☐ N/A |

**Data sample**

| No. | Frequency (MHz) | Reading (dBμV/m) | Detector | Ant_F (dB/m) | PA_G (dB) | Cab_L (dB) | Result (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Degree (°) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | |

Frequency (MHz) = Emission frequency in MHz

Reading (dBμV/m) = Receiver Reading Value

Detector= Peak Detector or Quasi Peak Detector

Ant_F=Antenna Factor

PA_G=Pre-Amplifier Gain

Cab_L=Cable Loss

Result (dBμV/m) = Read ing Value + Corrected Value

Limit (dBμV/m) = Limit stated in standard

Height (cm) = Height of Receiver antenna

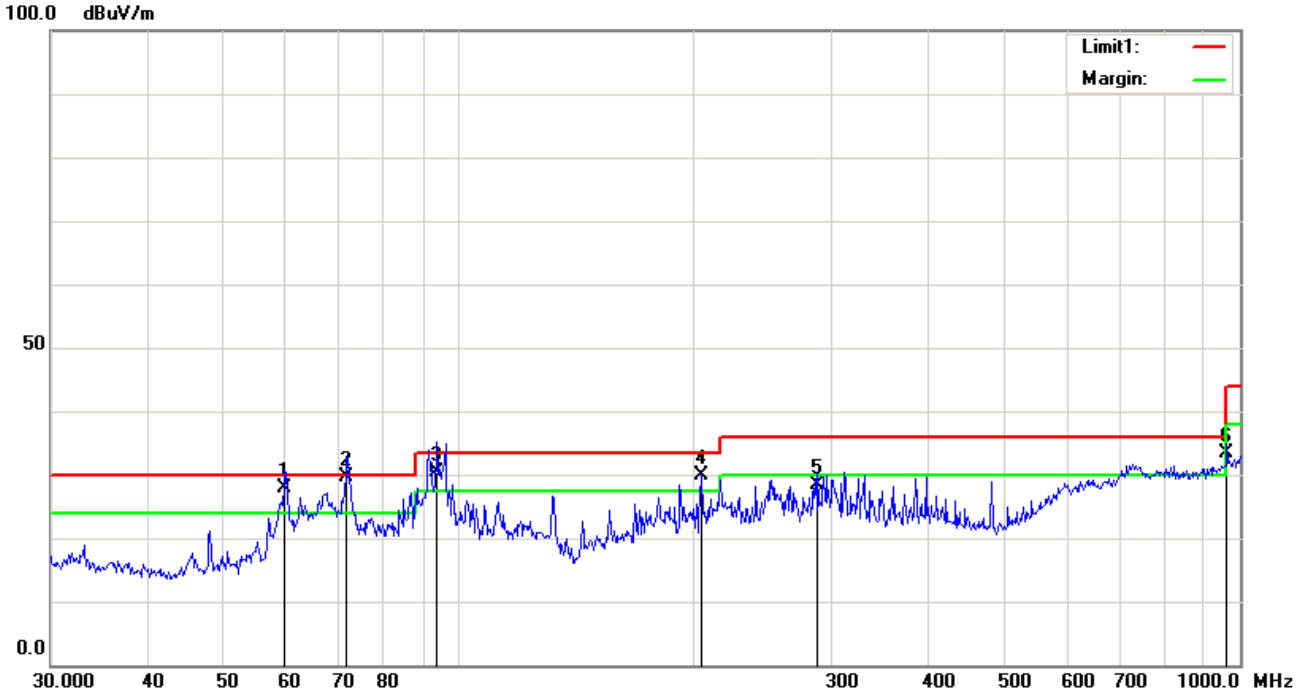
Degree = Turn table degree

**Calculation Formula:**

Margin (dB) = Result (dBμV/m) – limit (dBμV/m)

| Test Mode: | Normal Working Mode |
|---|---|

**(Below 1GHz)**



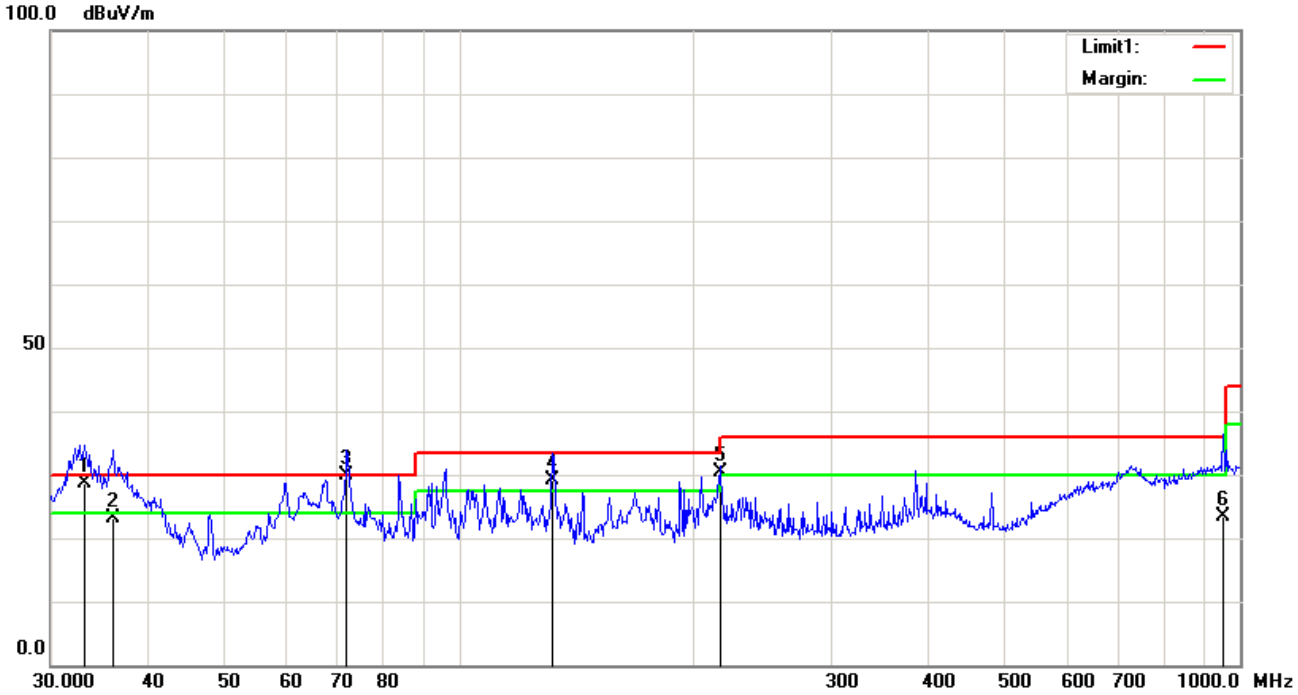

*Test Data*

**Horizontal Polarity Plot @10m**

| No. | Frequency (MHz) | Reading (dBµV/m) | Detector | Ant_F (dB/m) | PA_G (dB) | Cab_L (dB) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Degree ( ° ) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 59.8588 | 64.37 | QP | 7.99 | 47.26 | 1.30 | 27.90 | 30.00 | -2.10 | 400 | 13 |
| 2 | 71.8320 | 65.67 | QP | 7.50 | 47.91 | 1.44 | 29.70 | 30.00 | -0.30 | 400 | 183 |
| 3 | 93.7685 | 65.14 | QP | 9.80 | 46.79 | 1.55 | 30.50 | 33.50 | -3.00 | 400 | 172 |
| 4 | 204.2377 | 61.52 | QP | 13.25 | 47.44 | 2.28 | 29.90 | 33.50 | -3.60 | 400 | 341 |
| 5 | 287.9904 | 57.49 | QP | 14.26 | 48.38 | 2.71 | 28.30 | 36.00 | -7.70 | 300 | 353 |
| 6 | 962.1623 | 50.62 | QP | 23.45 | 46.29 | 4.98 | 33.50 | 44.00 | -10.50 | 100 | 264 |

| Test Mode: | Normal Working Mode |
|---|---|

**(Below 1GHz)**




*Test Data*

**Vertical Polarity Plot @10m**

| No. | Frequency (MHz) | Reading (dBµV/m) | Detector | Ant_F (dB/m) | PA_G (dB) | Cab_L (dB) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Degree ( ° ) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 33.0950 | 53.52 | QP | 19.06 | 45.65 | 0.93 | 28.60 | 30.00 | -1.40 | 100 | 60 |
| 2 | 36.1272 | 49.78 | QP | 16.58 | 45.65 | 0.98 | 23.15 | 30.00 | -6.85 | 100 | 40 |
| 3 | 71.8320 | 66.35 | QP | 7.50 | 47.91 | 1.44 | 29.76 | 30.00 | -0.24 | 400 | 314 |
| 4 | 131.7577 | 58.96 | QP | 14.86 | 47.42 | 1.88 | 29.09 | 33.50 | -4.41 | 200 | 306 |
| 5 | 216.0240 | 60.86 | QP | 13.39 | 47.72 | 2.34 | 30.34 | 36.00 | -5.66 | 100 | 0 |
| 6 | 952.0937 | 40.82 | QP | 23.41 | 46.09 | 4.96 | 23.34 | 36.00 | -12.66 | 100 | 35 |

Note: The highest frequency of the internal sources of the EUT is less than 108MHz, so the measurement shall only be made up to 1GHz.

# Annex A. TEST INSTRUMENT

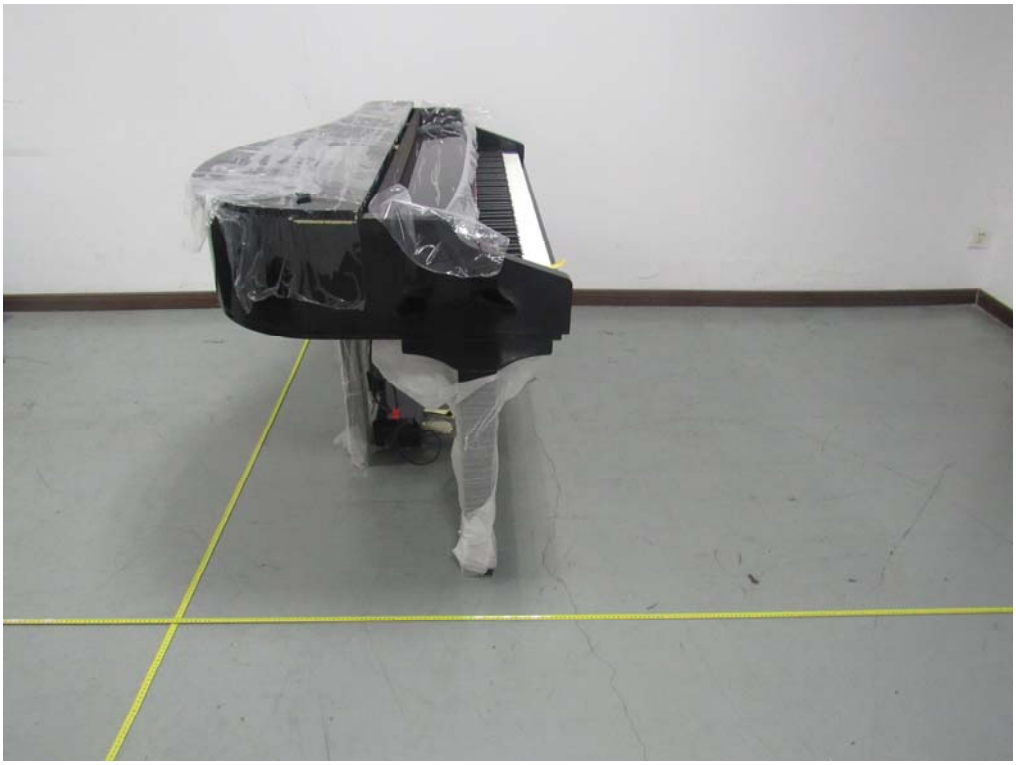
| Instrument | Model | Serial # | Cal Date | Cal Due | In use |
|---|---|---|---|---|---|
| **AC Line Conducted Emissions** | | | | | |
| R&S EMI Test Receiver | ESPI3 | 101216 | 03/31/2016 | 03/31/2017 | ☑ |
| V-LISN | ESH3-Z5 | 838979/005 | 03/31/2016 | 03/31/2017 | ☑ |
| Com-Power Transient Limiter | LIT-153 | 531021 | 10/30/2015 | 10/30/2016 | ☑ |
| SIEMIC EZ_EMC Conducted Emissions software | Ver.ICP-03A1 | N/A | N/A | N/A | ☑ |
| **Radiated Emissions** | | | | | |
| R&S EMI Receiver | ESPI3 | 101216 | 03/31/2016 | 03/31/2017 | ☑ |
| Antenna (30MHz~6GHz) | JB6 | A121411 | 10/31/2015 | 10/31/2016 | ☑ |
| SIEMIC EZ_EMC Radiated Emissions software | Ver.ICP-03A1 | N/A | N/A | N/A | ☑ |

# Annex B. EUT And Test Setup Photographs

## Annex B.i. Photograph EUT Internal Photo

Front View of EUT

Rear View of EUT

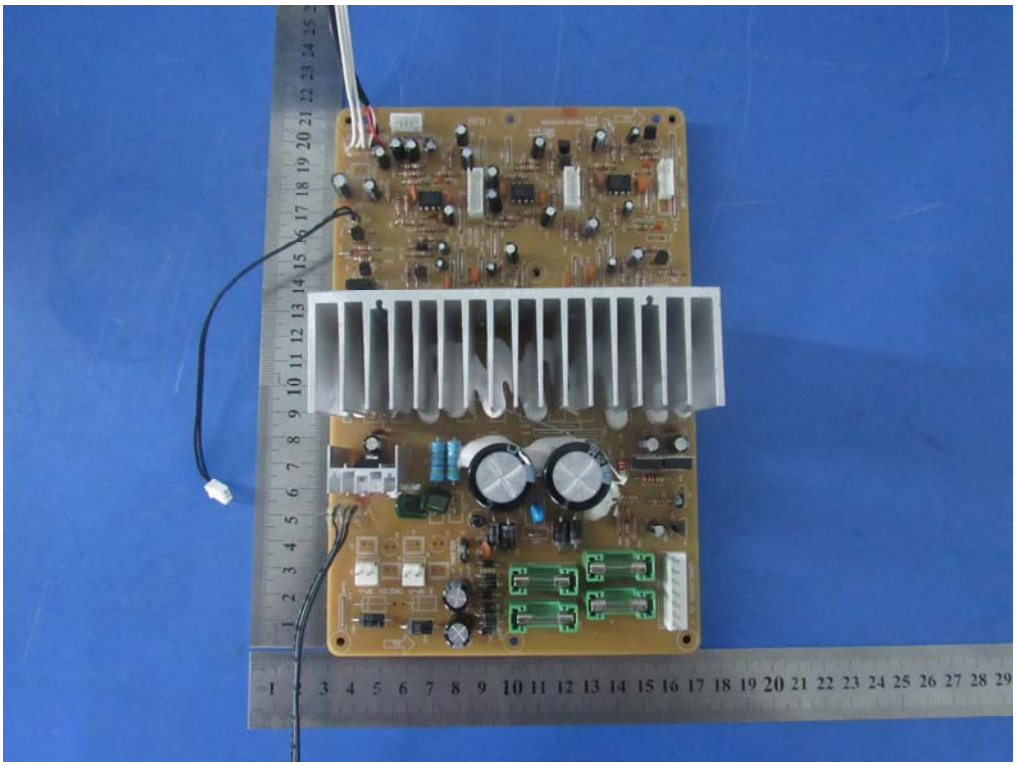


Left View of EUT

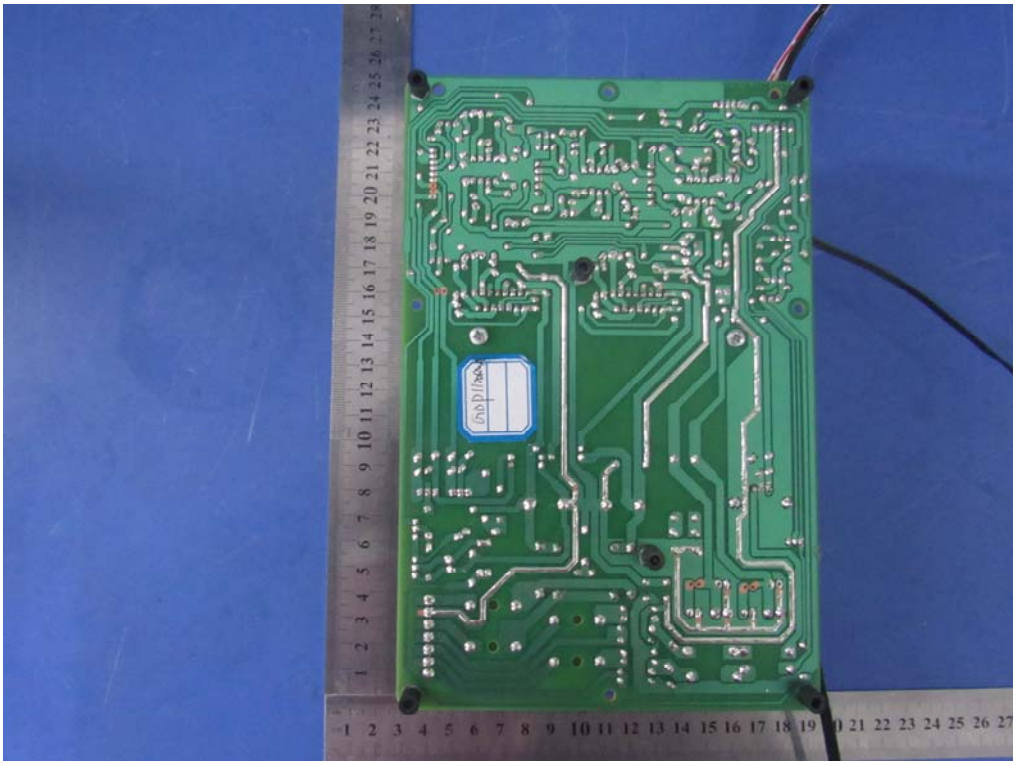
Right View of EUT


EUT – Port Front View

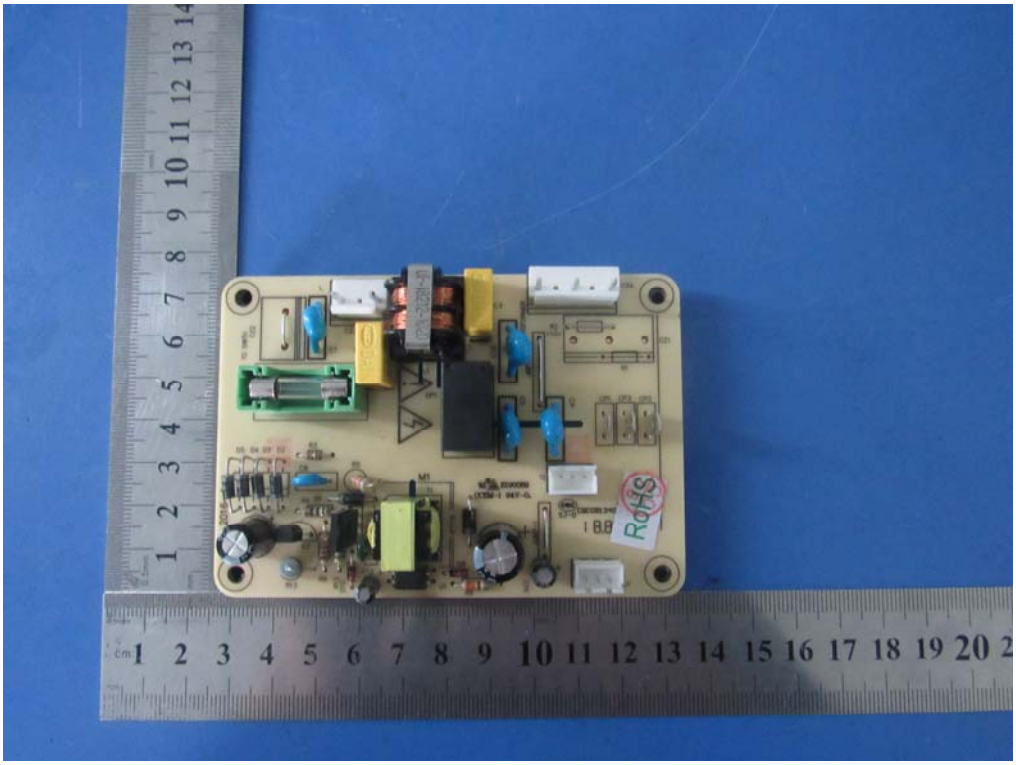
## Annex B.ii. Photograph EUT Internal Photo



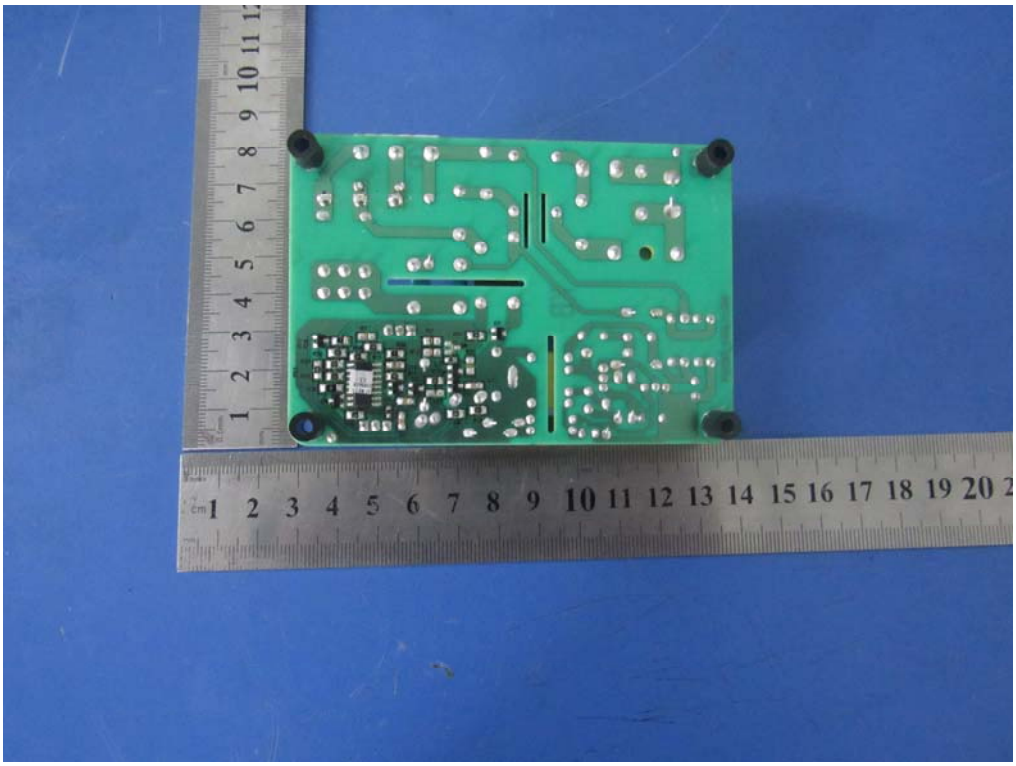
EUT PCBA 1 – Front View



EUT PCBA 1 – Rear View

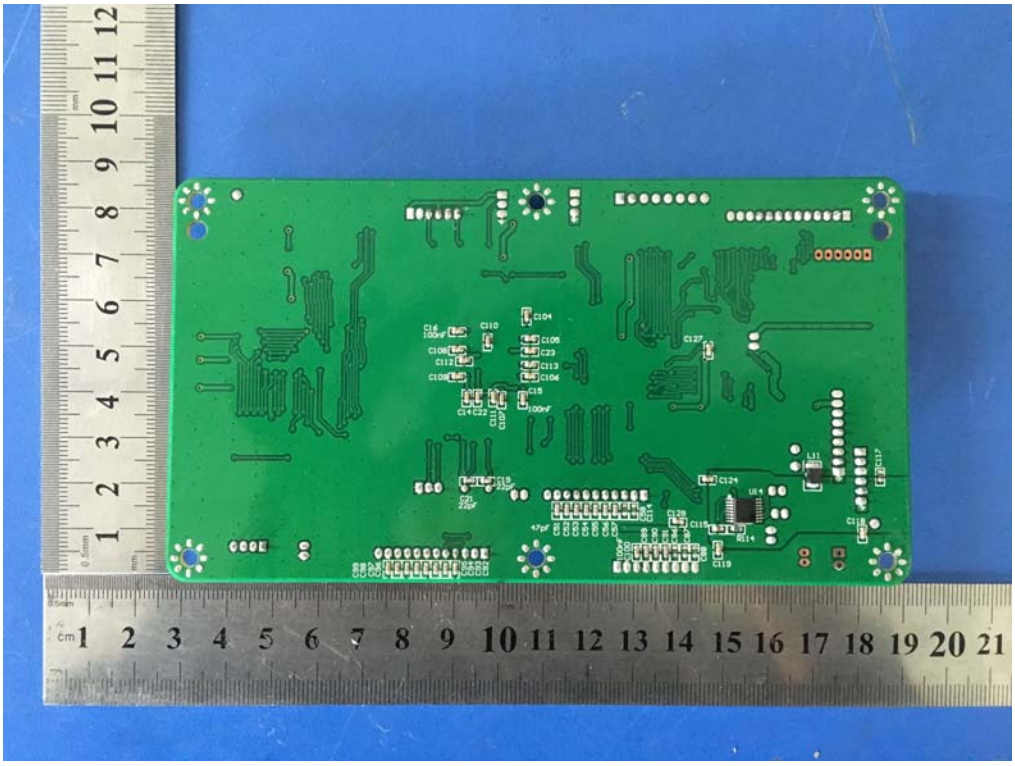



EUT PCBA 2 – Front View



EUT PCBA 2 – Rear View

EUT PCBA 3 – Front View



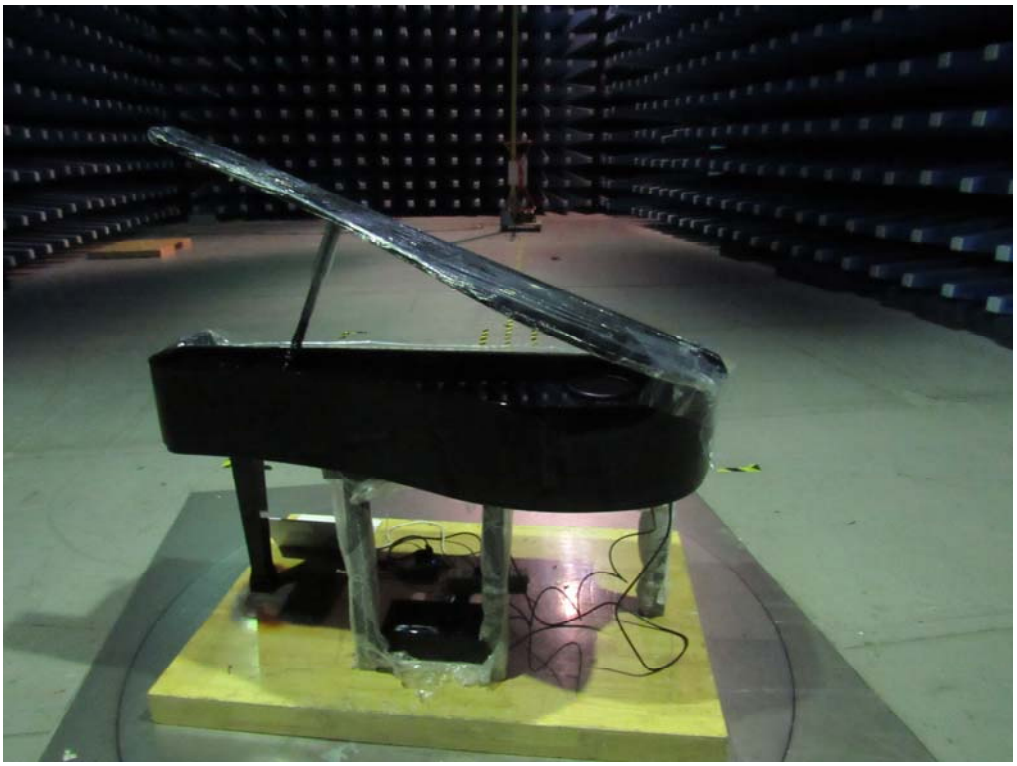
EUT PCBA 3 – Rear View

## Annex B.iii. Photograph Test Setup Photo

Conducted Emissions Setup Front View

Conducted Emissions Setup Side View

Radiated Emissions Setup Below 1GHz Front View

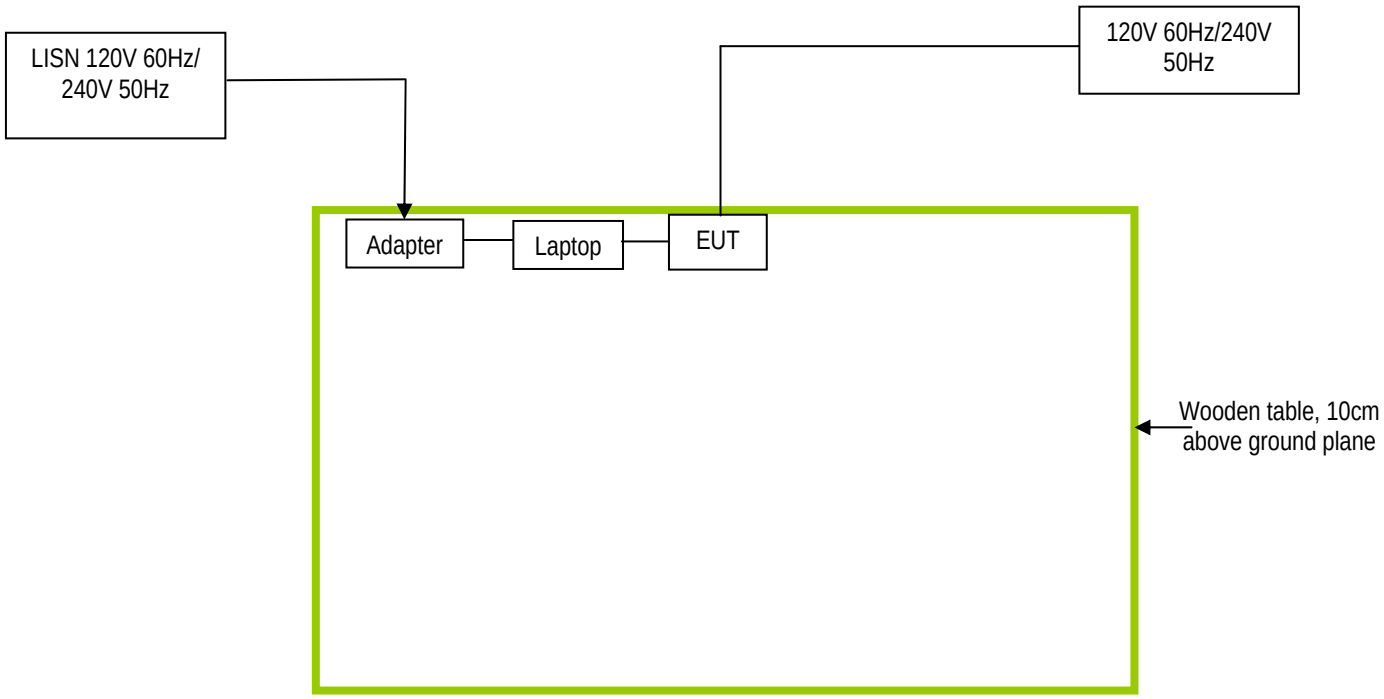


Radiated Emissions Setup Below 1GHz Rear View

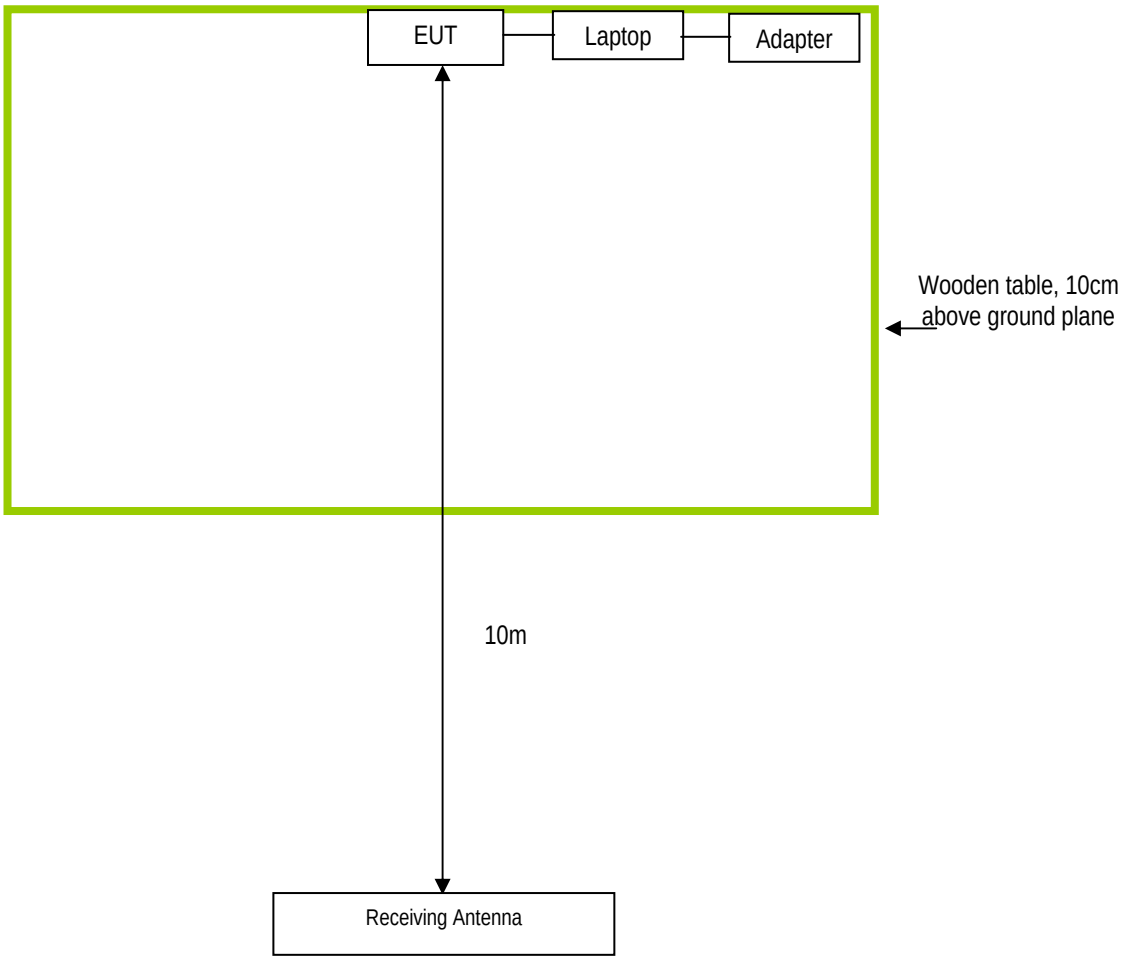
# Annex C. TEST SETUP AND SUPPORTING EQUIPMENT

## Annex C.i. TEST SET UP BLOCK

### Block Configuration Diagram for Conducted Emissions



## Block Configuration Diagram for Radiated Emissions



## Annex C. ii. SUPPORTING EQUIPMENT DESCRIPTION

The following is a description of supporting equipment and details of cables used with the EUT.

| Manufacturer | Equipment Description | Model | Calibration Due Date |
|---|---|---|---|
| Dell | Laptop | Inspiron14-3421 | N/A |

# Annex D. User Manual / Block Diagram / Schematics / Partlist

**Please see Attachment**

# Annex E. DECLARATION OF SIMILARITY

**N/A**