# EMC TEST REPORT

| | | | |
|---|---|---|---|
| **Project No.** | LBE20113589 | **Issue No.** | 0 |
| **Applicant** | **Name of organization** | **Samsung Electronics Co., Ltd.** | |
| | **Address** | 416 Maetan 3-Dong, Yeongtong-Gu, Suwon-Si, Gyeonggi-Do 443-742 Korea | |
| | **Date of application** | July 07, 2011 | |
| **EUT** | **Type of device** | Class B personal computers and peripherals | |
| | **Equipment authorization** | ☐ Declaration of Conformity ☒ Certification ☐ Verification | |
| | **FCC ID** | **A3LML2160** | |
| | **Kind of product** | **MONO LASER PRINTER** | |
| | **Model No.** | **ML-2160** | |
| | **Variant Model No.** | **ML-2164, ML-2162, ML-2165, ML-2168** | |
| | **Manufacturer** | **1) Samsung Electronics Co., Ltd.**<br>259, Gongdan-Dong, Gumi-City, Gyeongsangbuk-Do, Korea 730-030<br><br>**2) Samsung Electronics (Shandong) Digital Printing Co., Ltd.**<br>264209, Samsung Road, Weihai Hi-Tech. IDZ, Shandong Province, P.R.China<br><br>**3) Weihai Shin Heung Digital Electronics Co., Ltd.**<br>98, Samsung Road, Weihai Hi-Tech. IDZ, Shandong Province, P.R.China<br><br>**4) Intops : Intops (Weihai) Electronics Co., Ltd.**<br>Keji Road-268-1, Weihai Hi-Tech,Industries Development Zone , Shandong Province , CHINA | |
| **Applied Standards** | | FCC Part 15, Subpart B / ANSI C63.4-2009 | |
| **Test Period** | | July 21, 2011 ~ July 24, 2011 | |
| **Issue date** | | September 02, 2011 | |

**Test result** : **Complied**

The equipment under test has found to be compliant with the applied standards.
(Refer to the attached test result for more detail.)

**Tested by** : Sung Jin Sim

**Reviewed by :** Tae Young, Jang



SAMSUNG

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# 1. Summary of test results

## 1.1 Emission

The EUT has been tested according to the following specifications:

| Applied | Test type | Applied standard | Result |
|---|---|---|---|
| ☒ | Conducted Disturbance (Mains Port) | FCC Part 15 Subpart B / ANSI C63.4-2009 | Complied |
| ☒ | Radiated Disturbance | | Complied |

# 2. General Information

## 2.1 Test facility

The CS & Environment center is located on Samsung Electronics Co., Ltd. at 416 Maetan 3-Dong, Yeongtong-Gu, Suwon-Si, Gyeonggi-Do, South Korea.
All testing are performed in Semi-anechoic chambers conforming to the site attenuation Characteristics defined by ANSI C63.4, CISPR 22, 16-1 and 16-2. and Shielded rooms.

The CS & Environment center is operated as testing laboratory in accordance with the requirements of ISO/IEC 17025:2005.

# 3. Test Setup configuration

## 3.1 Test configuration

### 3.1.1 Test Peripherals

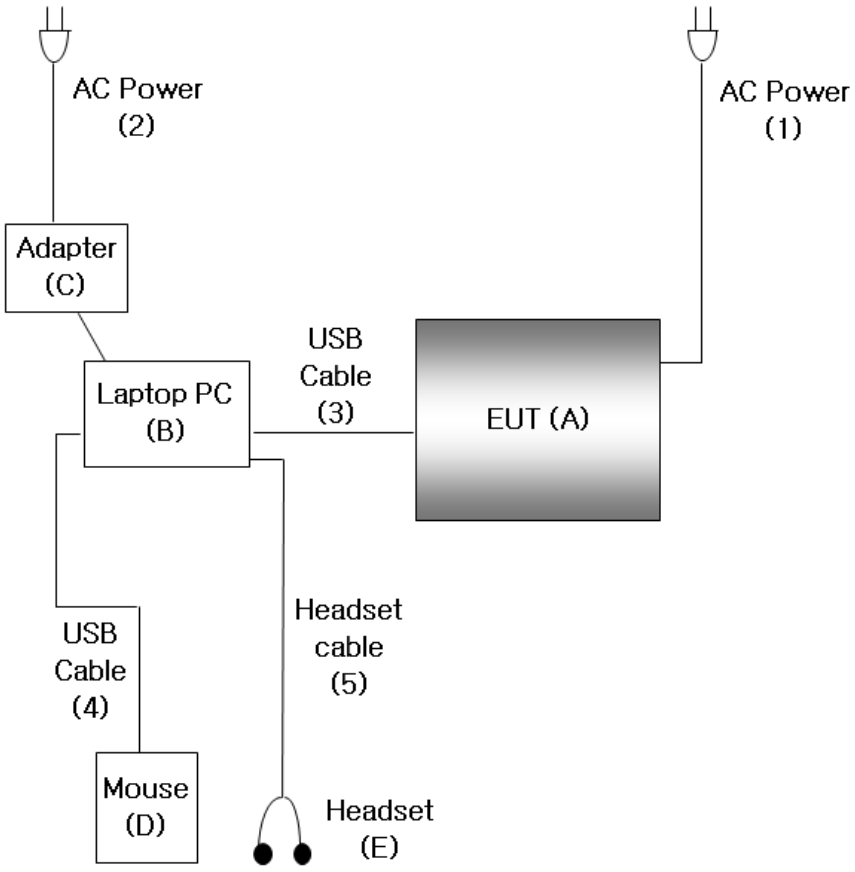
The cables used for these peripherals are either permanently attached by the peripheral manufacturer or coupled with an assigned cable as defined below.
The following is a listing of the EUT and peripherals utilized during the performance of EMC test:

| Seq | Description | Model No. | Serial No. | Manufacturer | Fcc ID / DoC |
|---|---|---|---|---|---|
| A | Mono laser printer | ML-2164 | - | SAMSUNG | EUT |
| B | Laptop PC | NP-R55 | 232V93BP200005N | SAMSUNG | DoC |
| C | Adapter | ADP-60ZH D AD-6019R | CNBA4400242ABZ0408J0857 | Delta electronics | DoC |
| D | USB mouse | SMH-210U | M2UWTAKQA6997V | Monterey international | DoC |
| E | Head set | COV903 | - | COSY | - |

## 3.1.2 Test cables

| No. | Connected cable | Length [m] | Shielded [Y/N] | Note |
|---|---|---|---|---|
| 1 | Power | 1.8 | No | For EUT |
| 2 | Power | 1.0 | No | For laptop PC |
| 3 | USB | 1.5 | Yes | From laptop PC to EUT |
| 4 | USB | 1.8 | Yes | From laptop PC to Mouse |
| 5 | Audio | 2.0 | No | From laptop PC to Headphones |

## 3.1.3 Test arrangement



## 3.2 EUT operating mode

To achieve compliance applied standard specification, the following mode(s) were made during compliance testing:

| | |
|---|---|
| **Operating Mode 1** | Standby |
| **Operating Mode 2** | USB Printing |

## 3.3 Details of Sampling

Customer selected, single unit.

## 3.4 Clock Frequencies

| Kind of Clocks | Frequency[MHz] | Kind of Clocks | Frequency[MHz] |
|---|---|---|---|
| Main source clock | 12 | **CPU internal clock** | **300** |
| Video clock | 23.571 | USB device clock | 12 |

## 3.5 EUT Description

The following features describe EUT represented by this report:

| Item | Specification and Description |
|---|---|
| **Processor** | TEMUJIN(300 MHz) |
| **Standard System memory** | Embedded SDRAM core of ESMTwith 8 MB size |
| **Resolution** | True 1 200 x 1 200 dpi |
| **Paper Handling** | 150-sheet Cassette @ 80 g/㎡, 10-sheet @ Special Paper |
| **Power Rating** | 110~127 VAC, 5A, 50/60 Hz |
| **Power Consumption** | Power save mode : 0.9 Watts<br>Printing mode: MAX 310 Watts |
| **Printer Language** | SPL |
| **PC Interfaces** | USB 2.0 |
| **OS compatibility** | Windows 2000, XP, Vista, Windows7, 2003 Server, 2008 Sever,<br>Various Linux OS, and Mac OS X 10.3~10.6 |
| **Modes of Operation** | USB Printing |
| **Intended Class for Emissions** | Class B |

## 3.6 Test configuration and condition

The system was configured for testing in typical fashion use. Cables were attached to each of the available I/O Ports. Where applicable, peripherals were attached to the I/O cables. The mode of operation utilized for testing was selected to best simulate typical EUT use.

The EUT was measured all testing with toner cartridge.

Power source for the EUT operating was supplied by CVCF made by the Voltech Corp.

**- Test Voltage : AC 120 V, 60 Hz**

## 3.7 Measurement uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus: (According to CISPR 16-4 and UKAS Lab 34.)

### 3.7.1 Emission

| Test type | | Measurement uncertainty (C.L. 95 %, k = 2) |
|---|---|---|
| Conducted disturbance | Main terminal | 3.30 dB |
| Radiated Disturbance (Below 1 GHz) | Horizontal | 5.26 dB |
| | Vertical | 5.27 dB |
| Radiated Disturbance (Above 1 GHz) | Horizontal | 3.40 dB |
| | Vertical | 3.12 dB |

# 4. Results of individual test

## 4.1 Conducted disturbance

Both conducted lines are measured in Quasi-Peak and Average mode, including the worst-case data points for each tested configuration. The EUT measured in accordance with the methods described in standards.

**Limits for conducted disturbance at the mains ports of class B ITE**

| Frequency range Limits MHz | Resolution Bandwidth | Limits dBµV | |
|---|---|---|---|
| | | Quasi-peak | Average |
| 0.15 to 0.50 | 9 kHz | 66 to 56 | 56 to 46 |
| 0.50 to 5 | 9 kHz | 56 | 46 |
| 5 to 30 | 9 kHz | 60 | 50 |
| NOTE 1 The lower limit shall apply at the transition frequency<br>NOTE 2 The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz. | | | |

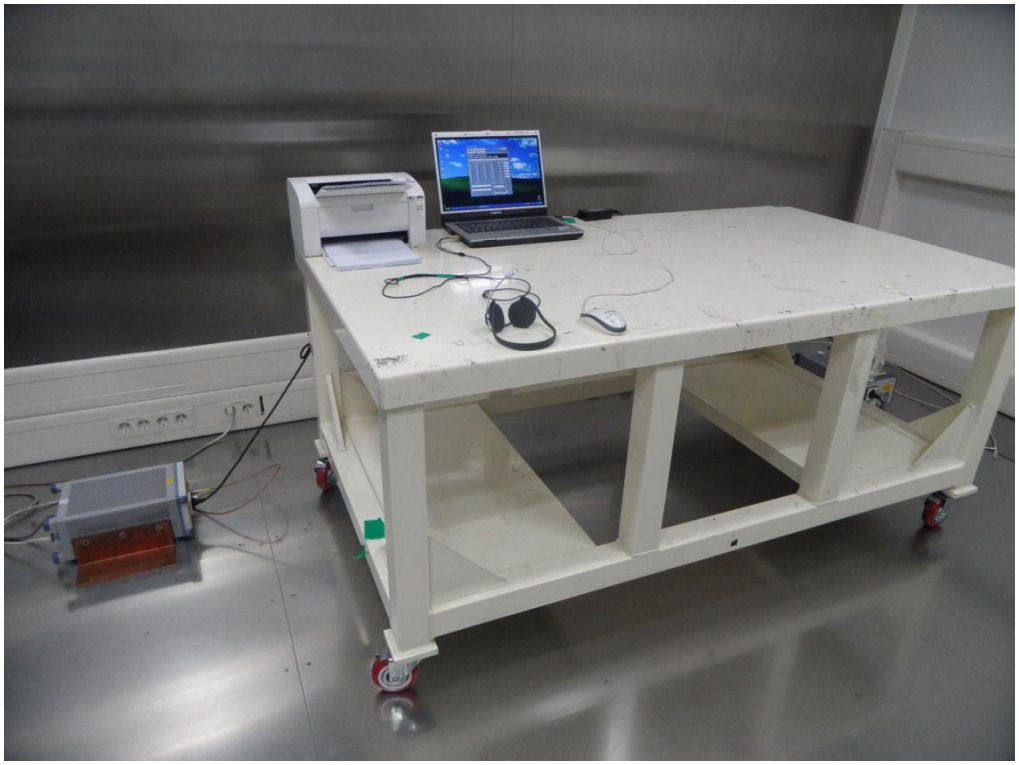
### 4.1.1 Test instrumentation

| Test instrumentation | Model name | Manufacturer | Serial or Firmware (No./Ver.) | Calibration | |
|---|---|---|---|---|---|
| | | | | Date | Interval (Month) |
| Measuring receiver | ESIB26 | R&S | 100147 | 2011-04-07 | 12 |
| Artificial mains network | ENV216 | R&S | 100117 | 2010-11-16 | 12 |
| Artificial mains network | ESH3-Z5 | R&S | 100262 | 2010-09-27 | 12 |
| Test software | EMC32 | R&S | Ver 5.20.1 | N/A | N/A |

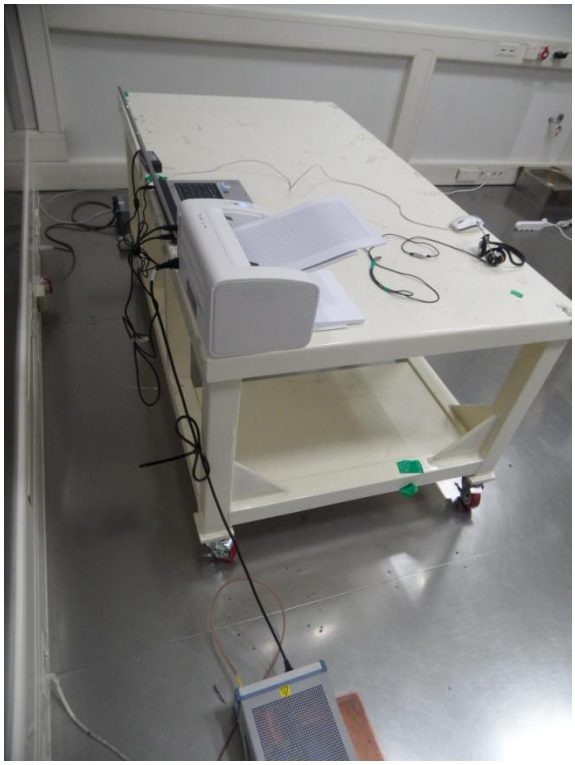
### 4.1.2 Temperature and humidity condition

| | | | | |
|---|---|---|---|---|
| **Test date** | July 21, 2011 | **Test engineer** | Sung Jin Sim | |
| **Climate condition** | **Ambient temperature** | 23.6 ℃ | **Relative humidity** | 37 % |
| | **Atmospheric pressure** | 100.5 kPa | | |
| **Test place** | Shielded Room #1 | | | |

## 4.1.3 Photograph of Test Setup



**Front**



**Rear**

## 4.1.4 Test results (mains port)

**Operating Mode 1 : Standby Mode**

## Hardware Setup: Voltage with ENV 2-Line-LISN - [EMI conducted]

Subrange 1

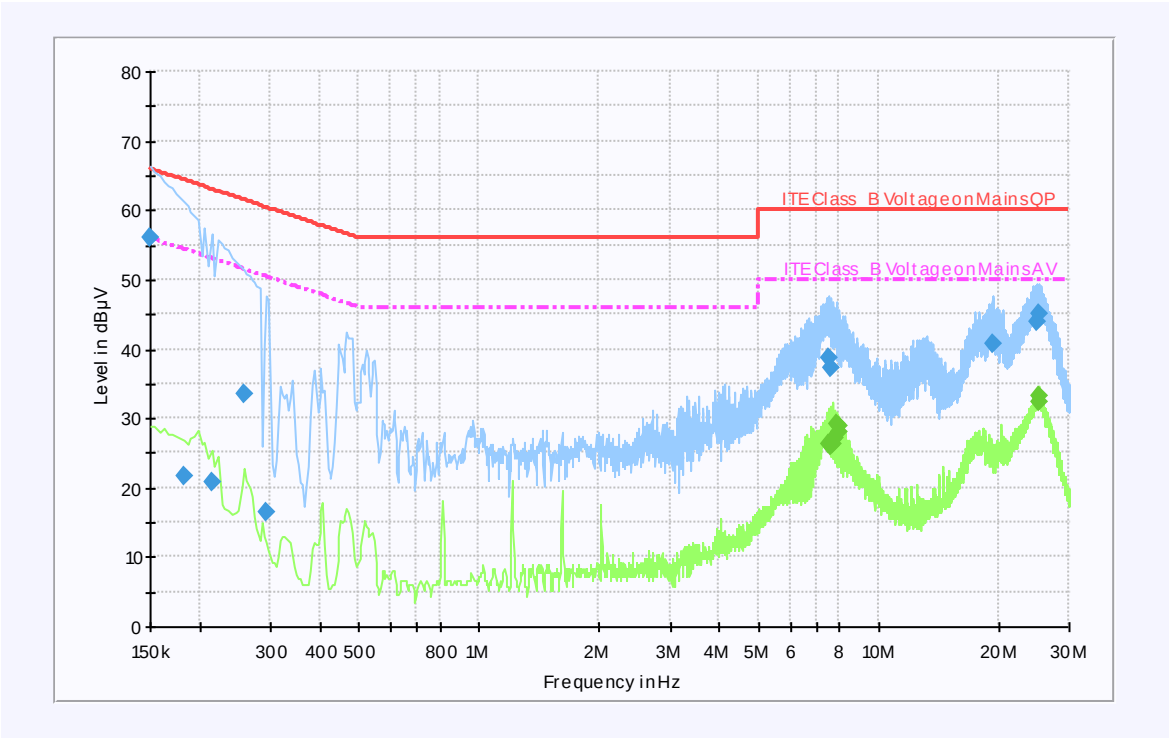
| | |
|---|---|
| Frequency Range: | 150 kHz – 30 MHz |
| Receiver: | ESIB 26 |
| Transducer: | ENV216 / Receiver-2-Line-LISN ENV216 |

## Scan Setup: ITE_B_ENV 2-Line-LISN fin [EMI conducted]

| | |
|---|---|
| Hardware Setup: | Voltage with ENV 2-Line-LISN |
| Level Unit: | dB $\mu$ V |

| Subrange | Detectors | IF Bandwidth | Meas. Time | Receiver |
|---|---|---|---|---|
| 150 kHz – 30 MHz | Quasi Peak; Average | 9 kHz | 15 s | ESIB 26 |

**Test Graph**




Note) Two graphs measured for both Live(L1) and Neutral(N) of the LISN are combined into one graph.

**Test Results ( Quasi-Peak and Average)**

Quasi-peak final measurement results table

| Frequency (MHz) | Quasi-Peak (dB $\mu$ V) | Line | Corr. (dB) | Margin (dB) | Limit (dB $\mu$ V) |
|---|---|---|---|---|---|
| 0.150 | 56.0 | N | 10.4 | 10.0 | 66.0 |
| 0.182 | 21.8 | N | 10.2 | 42.6 | 64.4 |
| 0.214 | 20.8 | L1 | 10.0 | 42.2 | 63.0 |
| 0.258 | 33.4 | N | 10.0 | 28.1 | 61.5 |
| 0.294 | 16.5 | L1 | 10.1 | 43.9 | 60.4 |
| 7.516 | 38.6 | N | 9.8 | 21.4 | 60.0 |
| 7.584 | 37.2 | L1 | 9.8 | 22.8 | 60.0 |
| 19.316 | 40.7 | N | 10.2 | 19.3 | 60.0 |
| 24.936 | 43.8 | L1 | 10.2 | 16.2 | 60.0 |
| 25.296 | 45.0 | N | 10.4 | 15.0 | 60.0 |

Average final measurement results table

| Frequency (MHz) | Average (dB $\mu$ V) | Line | Corr. (dB) | Margin (dB) | Limit (dB $\mu$ V) |
|---|---|---|---|---|---|
| 7.520 | 26.3 | N | 9.8 | 23.7 | 50.0 |
| 7.584 | 26.0 | N | 9.8 | 24.0 | 50.0 |
| 7.652 | 26.1 | N | 9.8 | 23.9 | 50.0 |
| 7.720 | 26.9 | N | 9.8 | 23.1 | 50.0 |
| 7.788 | 27.0 | N | 9.8 | 23.0 | 50.0 |
| 7.860 | 29.2 | N | 9.8 | 20.8 | 50.0 |
| 7.928 | 28.9 | N | 9.8 | 21.1 | 50.0 |
| 7.996 | 28.1 | N | 9.9 | 21.9 | 50.0 |
| 25.112 | 33.2 | N | 10.4 | 16.8 | 50.0 |
| 25.324 | 32.5 | N | 10.4 | 17.5 | 50.0 |

Note) Level (Quasi-Peak and/or Average) = Meter Reading (Quasi-Peak and/or Average) +
Factor (LISN Insertion Loss + Cable Loss)

Margin = Limit – Level (Quasi-Peak and/or Average)

**Operating Mode 2 : USB Printing**

## Hardware Setup: Voltage with ENV 2-Line-LISN - [EMI conducted]

Subrange 1

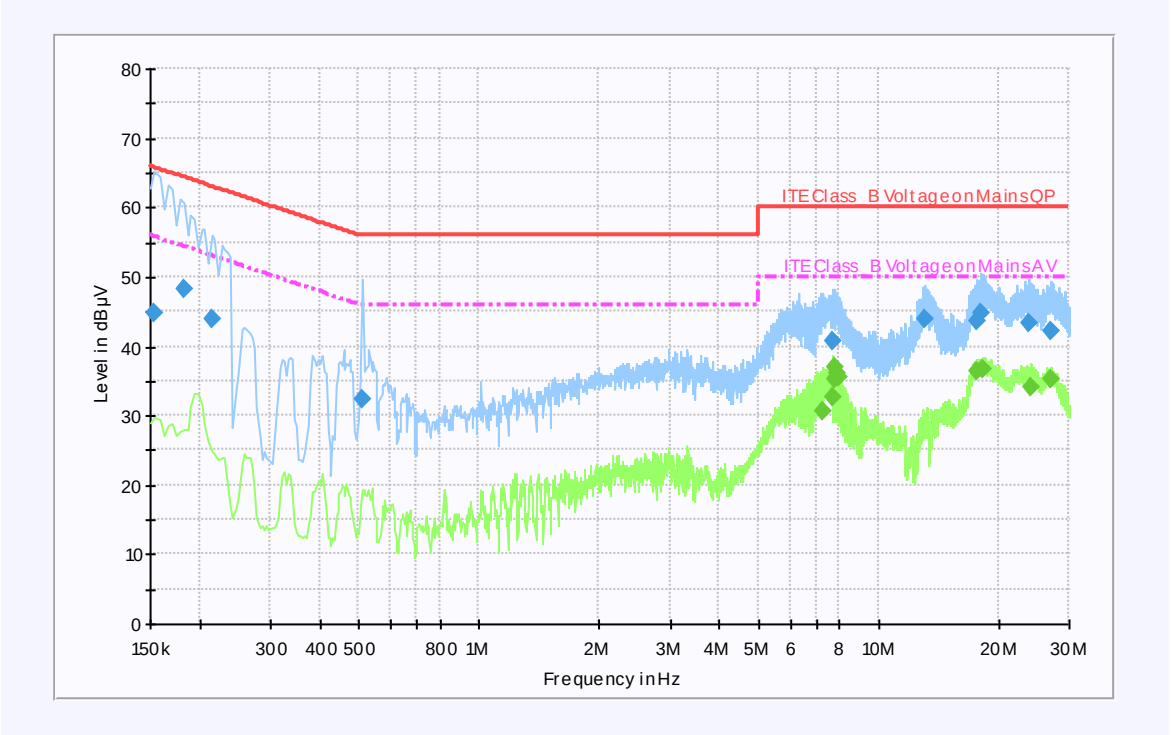
| | |
|---|---|
| Frequency Range: | 150 kHz – 30 MHz |
| Receiver: | ESIB 26 |
| Transducer: | ENV216 / Receiver-2-Line-LISN ENV216 |

## Scan Setup: ITE_B_ENV 2-Line-LISN fin [EMI conducted]

| | |
|---|---|
| Hardware Setup: | Voltage with ENV 2-Line-LISN |
| Level Unit: | dB $\mu$ V |

| Subrange | Detectors | IF Bandwidth | Meas. Time | Receiver |
|---|---|---|---|---|
| 150 kHz – 30 MHz | Quasi Peak; Average | 9 kHz | 15 s | ESIB 26 |

**Test Graph**




Note) Two graphs measured for both Live(L1) and Neutral(N) of the LISN are combined into one graph.

**Test Results ( Quasi-Peak and Average)**

Quasi-peak final measurement results table

| Frequency (MHz) | Quasi-Peak (dB $\mu$ V) | Line | Corr. (dB) | Margin (dB) | Limit (dB $\mu$ V) |
|---|---|---|---|---|---|
| 0.154 | 44.8 | N | 10.0 | 21.0 | 65.8 |
| 0.182 | 48.1 | N | 10.2 | 16.3 | 64.4 |
| 0.214 | 43.9 | N | 10.0 | 19.1 | 63.0 |
| 0.510 | 32.3 | N | 10.1 | 23.7 | 56.0 |
| 7.660 | 40.7 | L1 | 9.8 | 19.3 | 60.0 |
| 13.092 | 43.9 | N | 10.0 | 16.1 | 60.0 |
| 17.628 | 43.5 | L1 | 10.0 | 16.5 | 60.0 |
| 18.028 | 44.8 | L1 | 10.1 | 15.2 | 60.0 |
| 23.784 | 43.3 | L1 | 10.2 | 16.7 | 60.0 |
| 26.960 | 42.2 | N | 10.5 | 17.8 | 60.0 |

Average final measurement results table

| Frequency (MHz) | Average (dB $\mu$ V) | Line | Corr. (dB) | Margin (dB) | Limit (dB $\mu$ V) |
|---|---|---|---|---|---|
| 7.232 | 30.5 | N | 9.8 | 19.5 | 50.0 |
| 7.660 | 32.5 | N | 9.8 | 17.5 | 50.0 |
| 7.748 | 35.4 | N | 9.8 | 14.6 | 50.0 |
| 7.816 | 37.0 | N | 9.8 | 13.0 | 50.0 |
| 7.888 | 36.0 | N | 9.8 | 14.0 | 50.0 |
| 7.948 | 35.4 | N | 9.8 | 14.6 | 50.0 |
| 17.640 | 36.4 | L1 | 10.0 | 13.6 | 50.0 |
| 18.240 | 36.8 | L1 | 10.1 | 13.2 | 50.0 |
| 24.040 | 34.1 | L1 | 10.2 | 15.9 | 50.0 |
| 26.980 | 35.1 | L1 | 10.2 | 14.9 | 50.0 |

Note) Level (Quasi-Peak and/or Average) = Meter Reading (Quasi-Peak and/or Average) +
Factor (LISN Insertion Loss + Cable Loss)

Margin = Limit – Level (Quasi-Peak and/or Average)

## 4.2 Radiated disturbance

Of those disturbances above (*L* – 20 dB), where *L* is the limit level in logarithmic units, record at least the disturbance levels and the frequencies of the six highest disturbances.
The following data lists the significant emission frequencies, measured levels, correction factors (for antenna and cables), orientation of table, polarization and height of antenna, the corrected reading, the limit, and the amount of margin. All measurements were taken utilizing quasi-peak detection unless stated otherwise.
Measurements were performed at an antenna to EUT distance of 10 m and elevated between 1 m and 4 m.
Both vertical and horizontal antenna polarizations were measured.

**Limits for radiated disturbance of ITE at a measuring distance of 10 m**

| Frequency range Limits MHz | Resolution Bandwidth | Quasi-peak Limits dBµV/m |
|---|---|---|
| | | Class B |
| 30 to 230 | 120 kHz | 30 |
| 230 to 1000 | 120 kHz | 37 |
| NOTE 1 The lower limit shall apply at the transition frequency<br>NOTE 2 Additional provisions may be required for cases where interference occurs. | | |

Peak measurements were made over the changeable frequency range 1 GHz to 40 GHz or 5th in accordance with internal maximum operating frequency at a measurement distance of 3 m for the following antenna and turntable arrangements:

| Antenna Height ( cm) | Antenna Polarisation | Turntable position (degrees) |
|---|---|---|
| 100 ~ 400 | Horizontal, Vertical | Continuous |

**Limits for above 1GHz radiated disturbance of ITE at a measuring distance of 3 m**

| Class | Limits - dB(μV/m) | |
|---|---|---|
| | Peak | Average |
| B | 74 | 54 |
| Average limit 500, 20 log 500 = 53.979 dB ≒ 54 dB | | |

Measurements within 20 dB of the limit were then maximized by adjusting turntable position. Final measurements were made using a average detector.

Results checked manually; and points close to the limit line were re-measured.

## 4.2.1 Test instrumentation

| Test instrumentation | Model name | Manufacturer | Serial or Firmware (No./Ver.) | Calibration | |
|---|---|---|---|---|---|
| | | | | Date | Interval (Month) |
| Bi-con Antenna | CBL6112D | Schaffner | 22602 | 2010-04-21 | 24 |
| Horn Antenna | HF907 | R&S | 100016 | 2011-06-15 | 24 |
| EMI Receiver | ESIB-26 | R&S | 100147 | 2011-04-07 | 12 |
| Amplifier | 310N | Agilent | 185861 | 2011-04-07 | 12 |
| Preamplifier | SCU_F018 | R&S | 10001 | 2011-04-10 | 12 |
| Antenna Mast | MA4000 | INN CO | - | N/A | N/A |
| Mast Controller | CO2000 | INN CO | - | N/A | N/A |
| Test software | EP5/RE | TOYO | VER 3.1.20 | N/A | N/A |
| RF Selector | NS4900 | TOYO | - | N/A | N/A |

## 4.2.2 Temperature and humidity condition

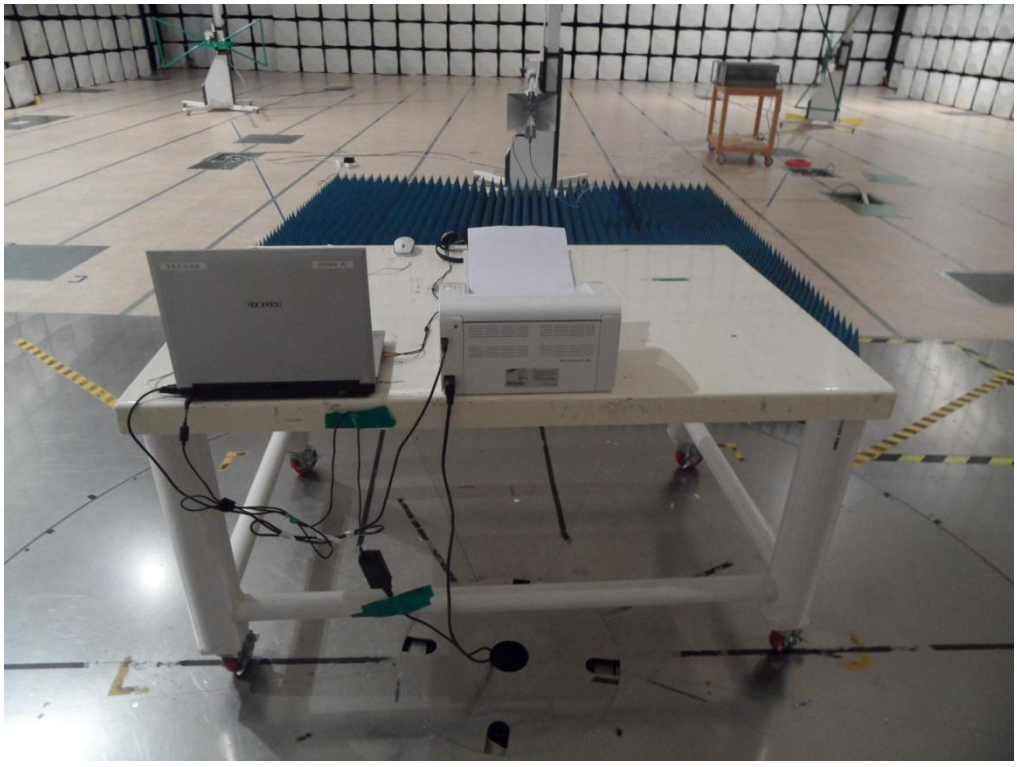
| | | | | |
|---|---|---|---|---|
| **Test date** | July 24, 2011 | **Test engineer** | Sung Jin Sim | |
| **Climate condition** | **Ambient temperature** | 24.3 ℃ | **Relative humidity** | 37 % |
| | **Atmospheric pressure** | 100.8 kPa | | |
| **Test place** | 10 m Semi-Anechoic Chamber | | | |

## 4.2.3 Photograph of Test Setup

**Front (Below 1GHz)**

**Rear (Below 1GHz)**

**Front (above 1GHz)**



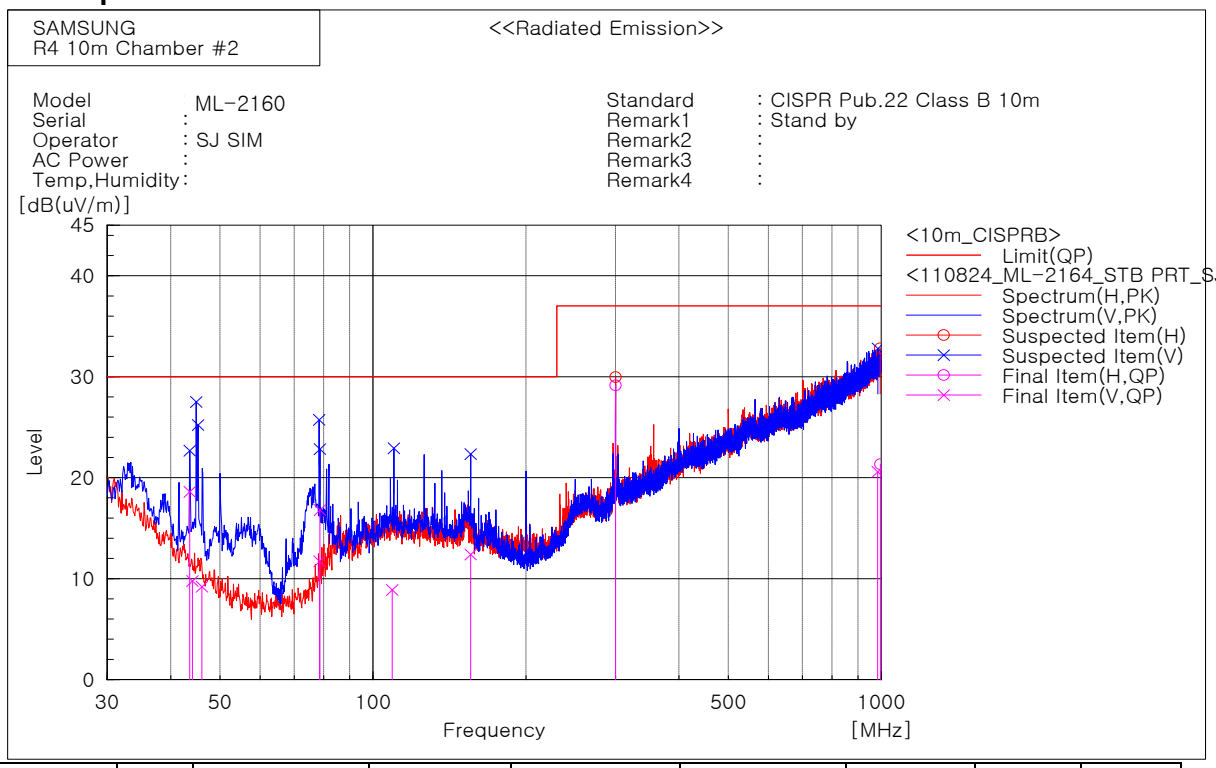
**Rear (above 1GHz)**

# 4.2.4 Test results

## 4.2.4.1 30 MHz to 1GHz test results

### Operating Mode 1 : Standby

### Test Graph and Results

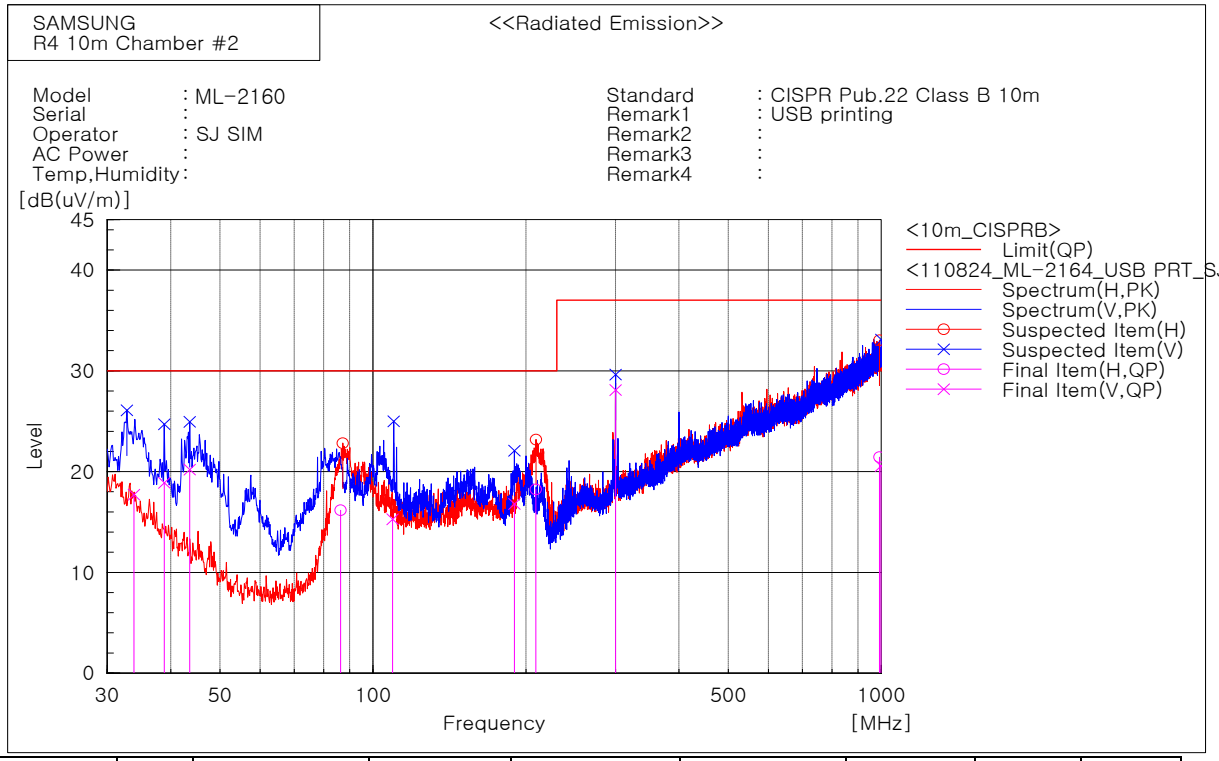



| Frequency [MHz] | Pol. | Reading QP [dB(μV)] | Factor [dB(1/m)] | Level QP [dB(μV /m)] | Limit [dB(μV /m)] | Margin QP [dB] | Heigh t [cm] | Angle [deg] |
|---|---|---|---|---|---|---|---|---|
| 43.580 | V | 38.6 | -20.0 | 18.6 | 30 | 11.4 | 301 | 321.5 |
| 44.133 | V | 30.1 | -20.3 | 9.8 | 30 | 20.2 | 103 | 53.3 |
| 46.060 | V | 30.3 | -21.1 | 9.2 | 30 | 20.8 | 316 | 7.5 |
| 78.513 | V | 34.7 | -23.0 | 11.7 | 30 | 18.3 | 156 | 354.2 |
| 78.621 | V | 39.8 | -23.0 | 16.8 | 30 | 13.2 | 301 | 273.3 |
| 109.058 | V | 26.3 | -17.4 | 8.9 | 30 | 21.1 | 398 | 345.7 |
| 155.615 | V | 31.2 | -18.8 | 12.4 | 30 | 17.6 | 100 | 126.0 |
| 300.014 | H | 42.9 | -13.8 | 29.1 | 37 | 7.9 | 206 | 46.7 |
| 983.922 | V | 20.9 | -0.3 | 20.6 | 37 | 16.4 | 133 | 248.4 |
| 995.696 | H | 21.1 | 0.2 | 21.3 | 37 | 15.7 | 276 | 337.6 |

Note) Receiving antenna polarization : Horizontal and/or Vertical
Test Distance : 10 m, Antenna Height : 1 m to 4 m
Level QP (Quasi-Peak) = Reading QP + Factor (Antenna Factor + Cable Loss - Amp. Gain)
Margin QP (Quasi-Peak) = Limit – Level QP

### Operating Mode 2 : USB Printing

### Test Graph and Results




| Frequency [MHz] | Pol. | Reading QP [dB(μV)] | Factor [dB(1/m)] | Level QP [dB(μV /m)] | Limit [dB(μV /m)] | Margin QP [dB] | Heigh t [cm] | Angle [deg] |
|---|---|---|---|---|---|---|---|---|
| 33.867 | V | 32.7 | -15.0 | 17.7 | 30 | 12.3 | 100 | 287.6 |
| 38.851 | V | 36.5 | -17.6 | 18.9 | 30 | 11.1 | 200 | 21.2 |
| 43.580 | V | 40.2 | -20.0 | 20.2 | 30 | 9.8 | 200 | 96.2 |
| 86.322 | H | 37.4 | -21.2 | 16.2 | 30 | 13.8 | 339 | 154.5 |
| 109.28 | V | 32.7 | -17.4 | 15.3 | 30 | 14.7 | 123 | 333.1 |
| 189.808 | V | 36.4 | -19.6 | 16.8 | 30 | 13.2 | 100 | 241.3 |
| 209.110 | H | 36.8 | -18.6 | 18.2 | 30 | 11.8 | 333 | 339.1 |
| 300.024 | V | 42.2 | -14.1 | 28.1 | 37 | 8.9 | 100 | 274.8 |
| 992.077 | H | 21.2 | 0.2 | 21.4 | 37 | 15.6 | 109 | 41.7 |
| 998.527 | V | 20.6 | 0.0 | 20.6 | 37 | 16.4 | 203 | 106.7 |

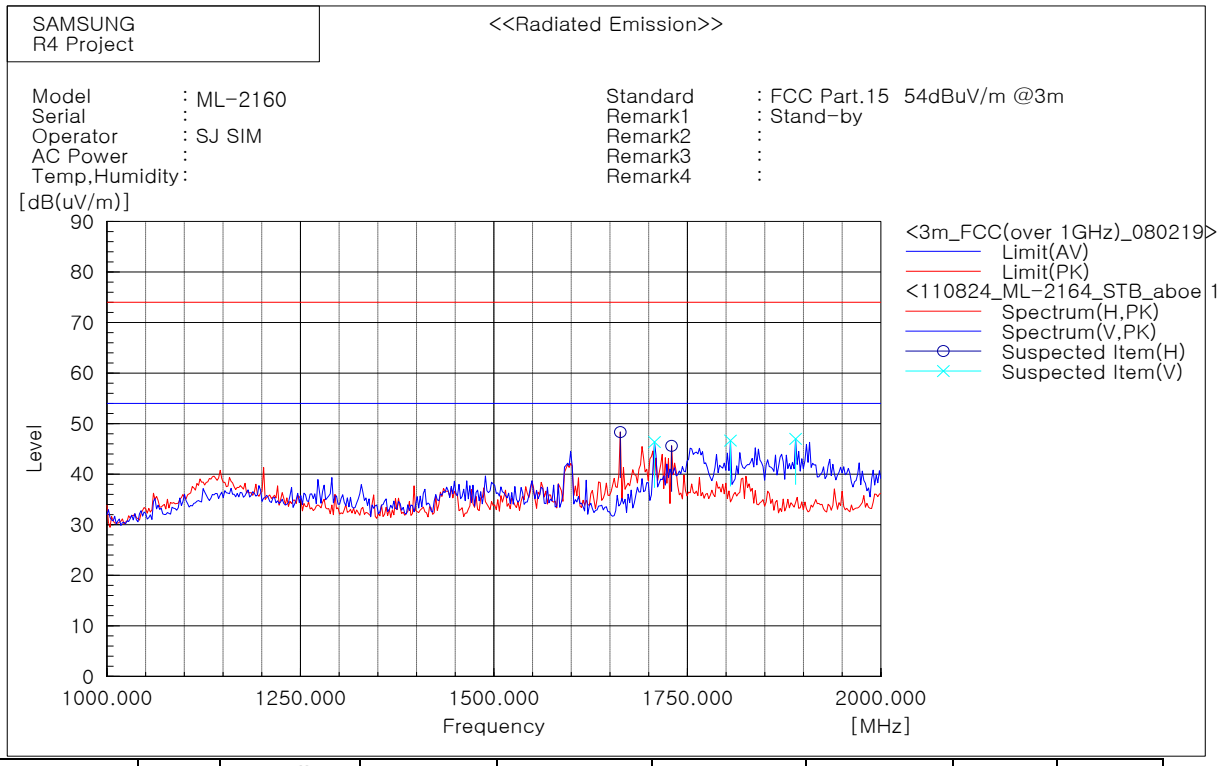
Note) Receiving antenna polarization : Horizontal and/or Vertical
Test Distance : 10 m, Antenna Height : 1 m to 4 m
Level QP (Quasi-Peak) = Reading QP + Factor (Antenna Factor + Cable Loss - Amp. Gain)
Margin QP (Quasi-Peak) = Limit – Level QP

### 4.2.4.2 1 GHz to 2 GHz test results

**Operating Mode 1 : Standby**

**Test Results**

Peak Measurement




| Frequency [MHz] | POL | Reading PK [dB(uV)] | Factor [dB(1/m)] | Level PK [dB(uV/m)] | Limit [dB(uV/m)] | Margin PK [dB] | Height [cm] | Angle [deg] |
|---|---|---|---|---|---|---|---|---|
| 1663.327 | H | 58.6 | -10.3 | 48.3 | 74 | 25.7 | 100 | 75.9 |
| 1707.415 | V | 56.4 | -10.0 | 46.4 | 74 | 27.6 | 100 | 12.9 |
| 1729.459 | H | 55.5 | -9.9 | 45.6 | 74 | 28.4 | 100 | 75.9 |
| 1805.611 | V | 56.1 | -9.4 | 46.7 | 74 | 27.3 | 100 | 44.7 |
| 1889.780 | V | 56.0 | -9.0 | 47.0 | 74 | 27.0 | 100 | 352.7 |

Note1) Representative operating modes were selected by customer and any emissions that do NOT exceed Average limit were not tested with average detector mode.

Note2) Receiving antenna polarization : Horizontal and Vertical

Level PK (Peak) = Reading PK (Peak) + Factor (Antenna Factor + Cable Loss - Amp. Gain)

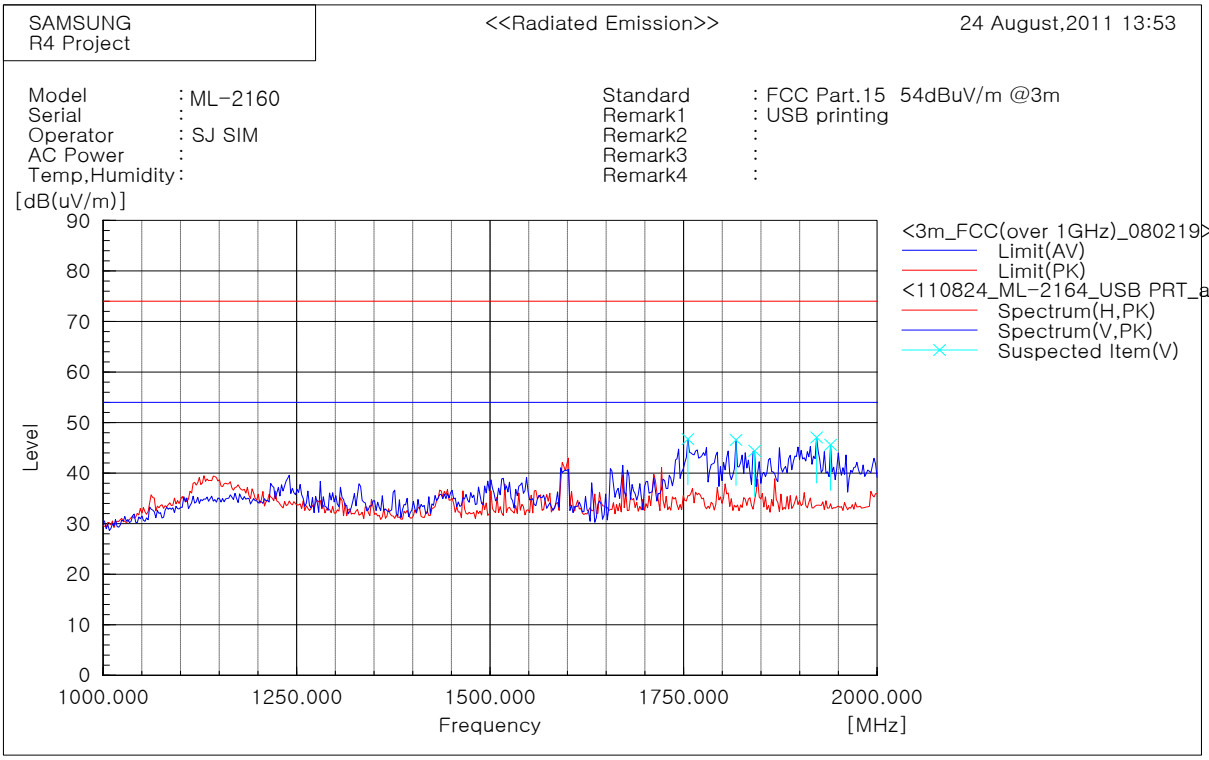
Level AV (Average) = Reading AV (Average) + Factor (Antenna Factor + Cable Loss - Amp. Gain)

Margin PK (Peak) = Limit – Level PK (Peak)

Margin AV (Average) = Limit – Level AV (Average)

### Operating Mode 2 : USB Printing

## Test Results




Peak Measurement

| Frequency [MHz] | POL | Reading PK [dB(uV)] | Factor [dB(1/m)] | Level PK [dB(uV/m)] | Limit [dB(uV/m)] | Margin PK [dB] | Height [cm] | Angle [deg] |
|---|---|---|---|---|---|---|---|---|
| 1755.511 | V | 56.4 | -9.7 | 46.7 | 74 | 27.3 | 100 | 345.6 |
| 1817.635 | V | 55.9 | -9.3 | 46.6 | 74 | 27.4 | 100 | 12.3 |
| 1841.683 | V | 53.6 | -9.2 | 44.4 | 74 | 29.6 | 100 | 0.8 |
| 1921.844 | V | 55.9 | -8.8 | 47.1 | 74 | 26.9 | 100 | 43.5 |
| 1939.880 | V | 54.4 | -8.8 | 45.6 | 74 | 28.4 | 100 | 230.2 |

Note1) Representative operating modes were selected by customer and any emissions that do NOT exceed Average limit were not tested with average detector mode.

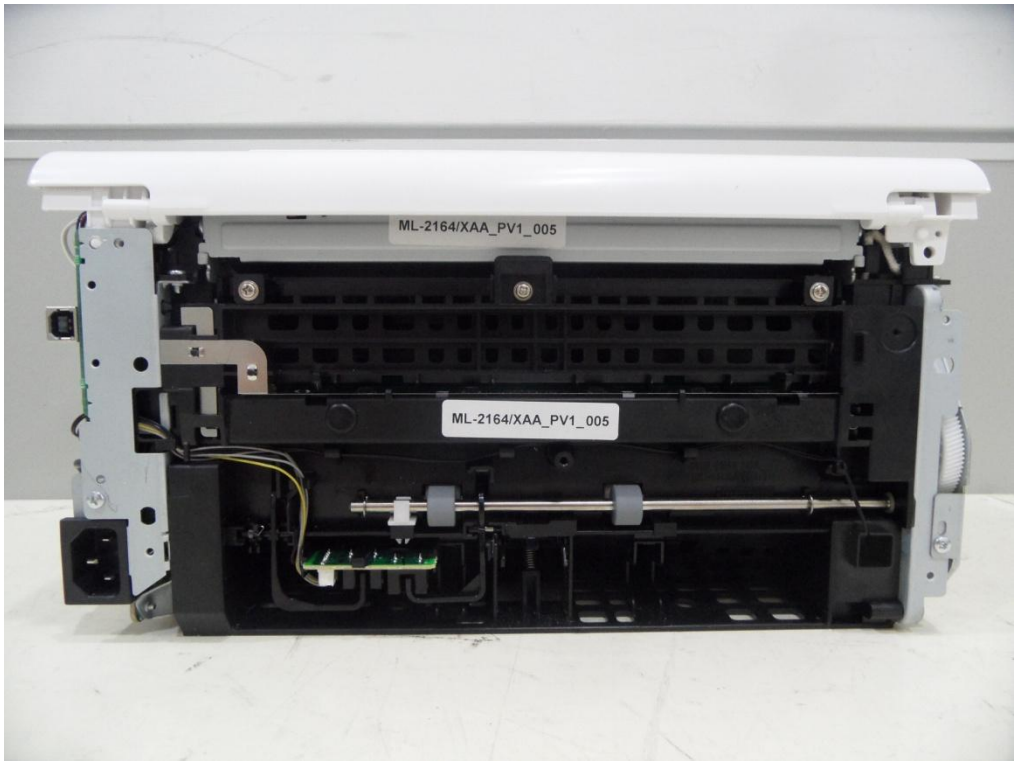
Note2) Receiving antenna polarization : Horizontal and Vertical
Level PK (Peak) = Reading PK (Peak) + Factor (Antenna Factor + Cable Loss - Amp. Gain)
Level AV (Average) = Reading AV (Average) + Factor (Antenna Factor + Cable Loss - Amp. Gain)
Margin PK (Peak) = Limit – Level PK (Peak)
Margin AV (Average) = Limit – Level AV (Average)

# Appendix – EUT photography

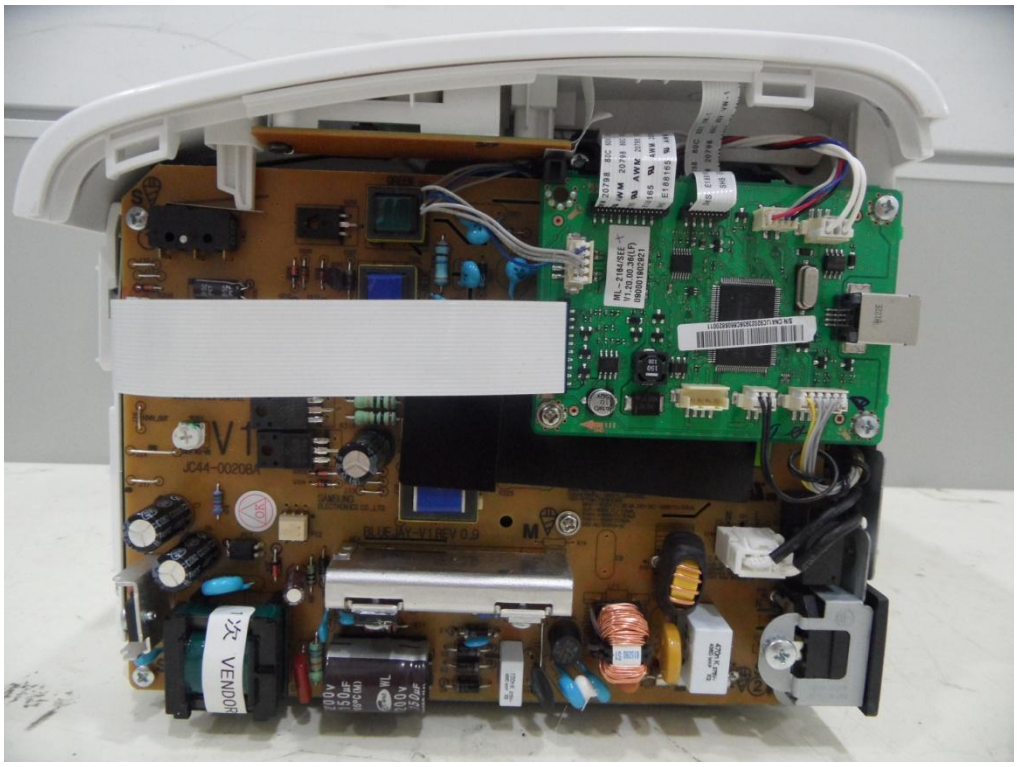

Front View


Rear View with label location

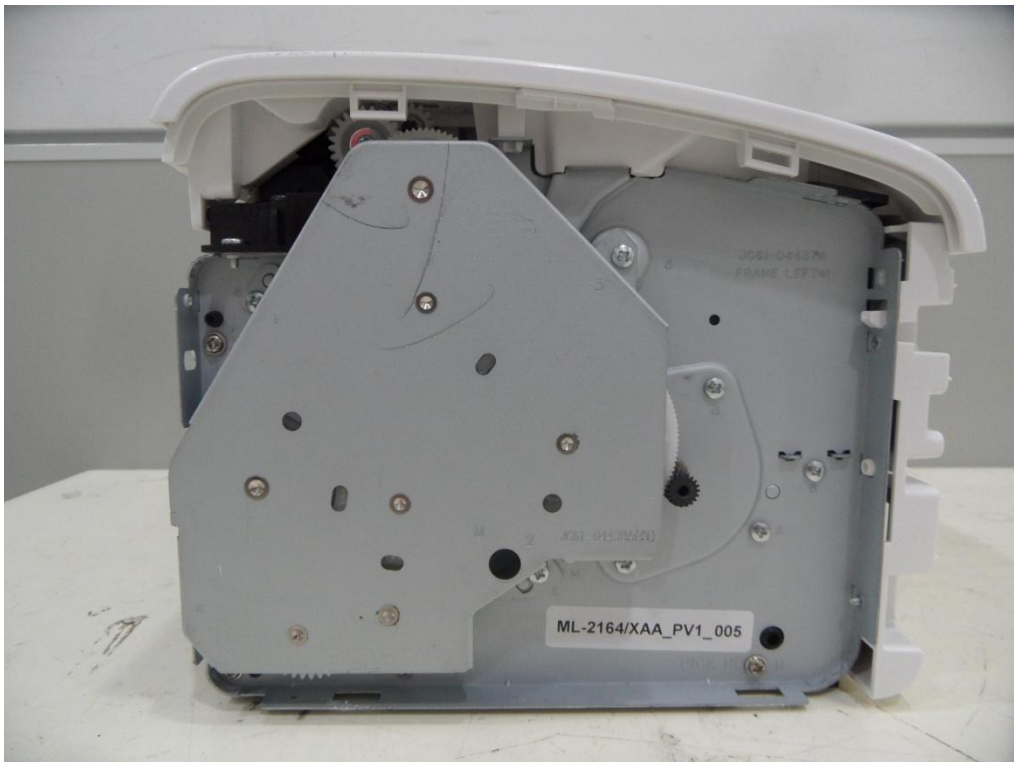

Front inside View



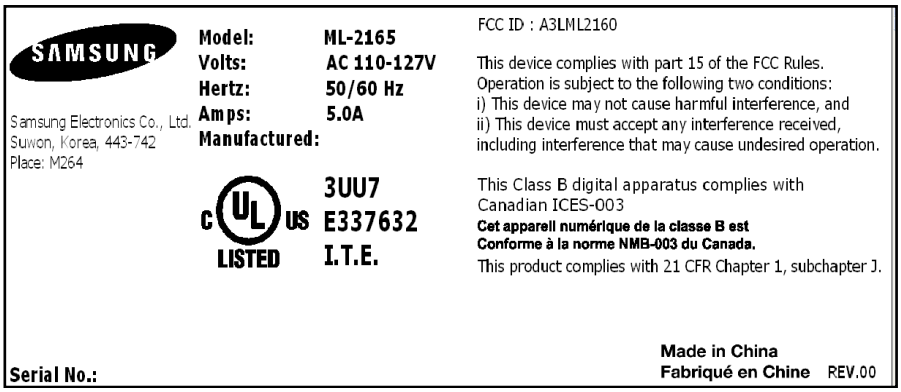

Rear inside View



Left-inside View




Right-inside View




Label