

Application for FCC Certificate  
On Behalf of  
LG Electronics U.S.A., Inc.

LCD Monitor

Model No.: W2042TT, W2042ST

Serial No.: E07103102, E07103101

FCC ID : BEJW2042TT

Prepared For : LG Electronics U.S.A., Inc.  
1000 Sylvan Avenue, Englewood Cliffs,  
NJ 07632, United States

Prepared By : Audix Technology (Shanghai) Co., Ltd.  
3F 34Bldg 680 Guiping Rd,  
Caohejing Hi-Tech Park,  
Shanghai, China 200233

Tel: +86-21-64955500  
Fax: +86-21-64955491

Report No. : ACI-F07048  
Date of Test : Nov 05 – 07, 2007  
Date of Report : Nov 09, 2007

## TABLE OF CONTENTS

|                                                                | Page      |
|----------------------------------------------------------------|-----------|
| <b>1 SUMMARY OF STANDARDS AND RESULTS</b>                      | <b>4</b>  |
| 1.1 Description of Standards and Results                       | 4         |
| <b>2 GENERAL INFORMATION</b>                                   | <b>5</b>  |
| 2.1 Description of Equipment Under Test                        | 5         |
| 2.2 Supported Simulators                                       | 6         |
| 2.3 Description of Test Facility                               | 7         |
| 2.4 Measurement Uncertainty                                    | 7         |
| <b>3 CONDUCTED EMISSION TEST</b>                               | <b>8</b>  |
| 3.1 Test Equipment                                             | 8         |
| 3.2 Block Diagram of Test Setup                                | 8         |
| 3.3 Conducted Emission Limit [FCC Part 15 Subpart B 15.107(a)] | 9         |
| 3.4 Test Configuration                                         | 9         |
| 3.5 Operating Condition of EUT                                 | 10        |
| 3.6 Test Procedures                                            | 11        |
| 3.7 Test Results                                               | 11        |
| <b>4 RADIATED EMISSION TEST</b>                                | <b>13</b> |
| 4.1 Test Equipment                                             | 13        |
| 4.2 Block Diagram of Test Setup                                | 13        |
| 4.3 Radiated Emission Limit [FCC Part 15 Subpart B 15.109(a)]  | 13        |
| 4.4 Test Configuration                                         | 13        |
| 4.5 Operating Condition of EUT                                 | 13        |
| 4.6 Test Procedures                                            | 13        |
| 4.7 Test Results                                               | 13        |
| <b>5 DEVIATION TO TEST SPECIFICATIONS</b>                      | <b>13</b> |
| <b>6 DEBUG DESCRIPTION</b>                                     | <b>13</b> |

## TEST REPORT FOR FCC CERTIFICATE

Applicant : LG Electronics U.S.A., Inc.  
Manufacturer : LG Electronics Nanjing Display Co., Ltd..  
EUT Description : LCD Monitor  
(A) Model No. : W2042TT, W2042ST  
(B) Serial No. : E07103102, E07103101  
(C) Power Supply : 120V/60Hz

Test Procedure Used:

*FCC RULES AND REGULATIONS PART 15 SUBPART B CLASS B 2007.05  
AND ANSI C63.4-2003*

The device described above is tested by Audix Technology (Shanghai) Co., Ltd. to determine the maximum emission levels emanating from the device. The maximum emission levels are compared to the FCC Part 15 Subpart B (Class B) and ICES-003, Issue 4 February 2004 (CISPR 22:2002) limits both radiated and conducted emissions.

The test results are contained in this test report and Audix Technology (Shanghai) Co., Ltd. is assumed full responsibility for the accuracy and completeness of these measurements. This report shows that the EUT (M/N: W2042TT, W2042ST; S/N: E07103102, E07103101) which was tested in 3m anechoic chamber on Nov 05 – 07, 2007 is technically compliance with the FCC official limits also.

This report applies to above tested sample only. This report shall not be reproduced in part without written approval of Audix Technology (Shanghai) Co., Ltd.

This report contains data that are not covered by the NVLAP accreditation.

This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government.

Date of Test : Nov 05 – 07, 2007

Prepared By:

Kathy Wong 2007.11.14  
KATHY WANG / Assistant

Reviewer:

Sammy Chen 2007.11.14  
SAMMY CHEN / Deputy Assistant Manager

**AUDIX®** For and on behalf of  
Audix Technology (Shanghai) Co., Ltd.

Approved Signatory:

Ian Chien 2007.11.14  
Authorized Signature EMC IAN CHIEN / Assistant Manager

# 1 SUMMARY OF STANDARDS AND RESULTS

## 1.1 Description of Standards and Results

The EUT have been tested according to the applicable standards as referenced below:

| Description / Test Item                   | Test Standard                                                                 | Results | Meets Limit          |
|-------------------------------------------|-------------------------------------------------------------------------------|---------|----------------------|
| <b>EMISSION</b>                           |                                                                               |         |                      |
| Conducted Disturbance<br>At main terminal | FCC RULES AND REGULATIONS PART<br>15 SUBPART B 2007.05<br>AND ANSI C63.4-2003 | Pass    | 15.107(a)<br>Class B |
| Radiated Disturbance                      | FCC RULES AND REGULATIONS PART<br>15 SUBPART B 2007.05<br>AND ANSI C63.4-2003 | Pass    | 15.109(a)<br>Class B |

## 2 GENERAL INFORMATION

### 2.1 Description of Equipment Under Test

Description : LCD Monitor

Type of EUT : ☒ Production ☐ Pre-product ☐ Pro-type

Model No. : W2042TT, W2042ST

Serial No. : E07103102, E07103101

Note : The difference between the above two models are as follows:

|                                                                                              | W2042TT | W2042ST |
|----------------------------------------------------------------------------------------------|---------|---------|
| D-Sub Port                                                                                   | ○       | ○       |
| DVI Port                                                                                     | ○       | --      |
| NOTE 1 – “○” means the item is applicable.<br>NOTE 2 – “--” means the item is no applicable. |         |         |

Real Power : W2042TT: 42.8W  
W2042ST: 42.4W

Applicant : LG Electronics U.S.A., Inc.  
1000 Sylvan Avenue, Englewood Cliffs,  
NJ 07632, United States

Manufacturer : LG Electronics Nanjing Display Co., Ltd.  
No.346, Yao Xin Road, Economic&Technical  
Development Zone, Nanjing, China

LCD Panel : Manufacturer: LG. PHILIPS LCD  
M/N : LM220WE1 (TL) (D1)

D-Sub Cable : Shielded, Detachable, 1.85m, with two cores

DVI Cable : Shielded, Detachable, 1.90m, with two cores

#### Remark:

The EUT is a LCD Monitor which input/output ports as follows:

- (1) One D-Sub Input Port :Connected with PC
- (2) One DVI Input Port :Connected with PC
- (3) AC In Port :Connected with Power

## 2.2 Supported Simulators

### 2.2.1 PC

Manufacturer : HP  
Model Number : dx6120MT  
Serial Number : CNG53004J2  
Power Cable : Unshielded, Detachable ,1.8m  
Certificate : FCC DoC; CE/EMC; VCCI; C-Tick; UL  
BSMI (R33001) 3C (A000111)  
MIC (E-A011-04-2659(B))

### 2.2.2 Keyboard

Manufacturer : Microsoft  
Model Number : RT2300  
Serial Number : 7668200662248  
Data Cable : Shielded, Detachable ,1.8m  
Certificate : CE/EMC, FCC DoC, VCCI, MIC, C-Tick,  
BSMI

### 2.2.3 Mouse

Manufacturer : Microsoft  
Model Number : RT2300  
Serial Number : 6965712071551  
Data Cable : Shielded ,Detachable, 1.85m.  
Certificate : FCC DoC, VCCI, CE/EMC, MIC, GS

### 2.2.4 Printer

Manufacturer : HP  
Model Number : C3990A  
Serial Number : JPZX020487  
Data Cable : Shielded, Detachable, 1.5m  
Certificate : GS, CE/EMC, C-Tick, FCC DoC

### 2.2.5 Modem

Manufacturer : Aceex  
Model Number : 1414  
Serial Number : 980013576  
Data Cable : Shielded, Detachable, 1.8m  
Certificate : FCC ID: IFAXDM1414

## 2.3 Description of Test Facility

Site Description (Semi-Anechoic Chamber) : Sept. 17, 1998 file on  
July 26, 2006 Renewed  
Federal Communications Commission  
FCC Engineering Laboratory  
7435 Oakland Mills Road  
Columbia, MD 21046, USA

Name of Firm : Audix Technology (Shanghai) Co., Ltd.

Site Location : 3F 34Bldg 680 Guiping Rd,  
Caohejing Hi-Tech Park,  
Shanghai, China 200233

NVLAP Lab Code : 200371-0

## 2.4 Measurement Uncertainty

Conducted Emission Expanded Uncertainty: U = 1.84 dB  
Radiated Emission Expanded Uncertainty : U = 2.96 dB

### 3 CONDUCTED EMISSION TEST

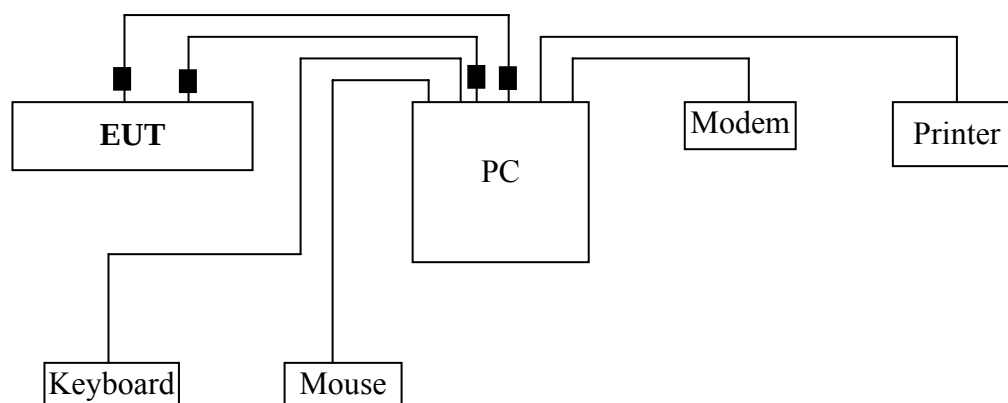
#### 3.1 Test Equipment

The following test equipment are used during the conducted emission test in a shielded room:

| Item | Type                                        | Manufacturer | Model No. | Serial No.           | Last Cal.    | Next Cal.    |
|------|---------------------------------------------|--------------|-----------|----------------------|--------------|--------------|
| 1.   | Test Receiver                               | R&S          | ESHS10    | 830223/007           | Apr 08, 2007 | Apr 08, 2008 |
| 2.   | Line Impedance Stabilization Network (LISN) | Kyoritsu     | KNW-407   | 8-1280-5             | Apr 06, 2007 | Apr 06, 2008 |
| 3.   | AMN                                         | R&S          | ESH2-Z5   | 843890/011           | Apr 06, 2007 | Apr 06, 2008 |
| 4.   | 50 $\Omega$ Coaxial Switch                  | Anritsu      | MP59B     | 6200426389           | Sep 18, 2007 | Mar 18, 2008 |
| 5.   | Software                                    | Audix        | E3        | SET00200<br>9804M592 | --           | --           |

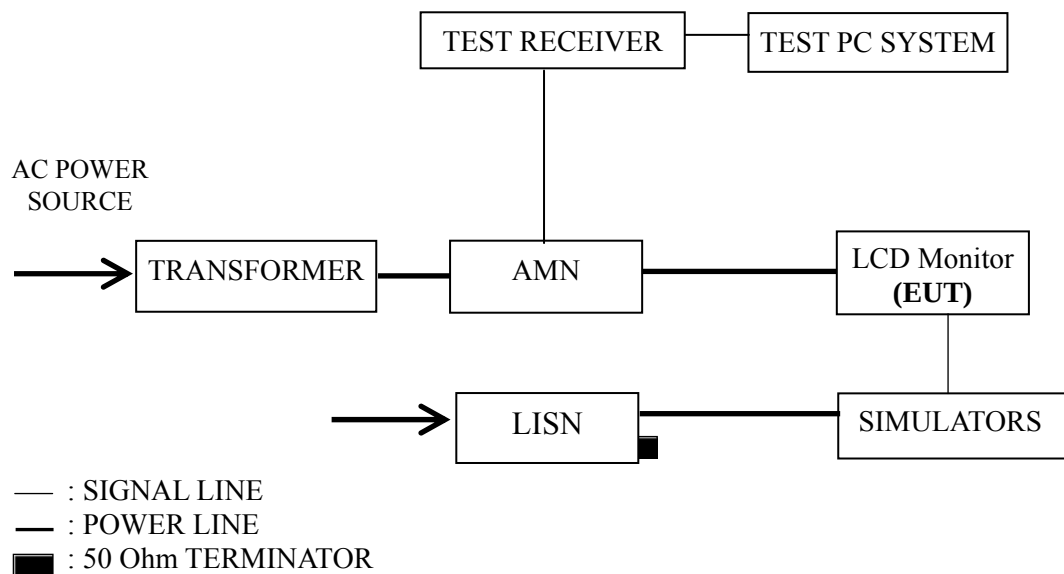
#### 3.2 Block Diagram of Test Setup

##### 3.2.1 EUT & Supported Simulators



■ : Ferrite core

### 3.2.2 Conducted Disturbance Test Setup



### 3.3 Conducted Emission Limit [FCC Part 15 Subpart B 15.107(a)]

| Frequency Range (MHz) | Limits dB (μV) |         |
|-----------------------|----------------|---------|
|                       | Quasi-peak     | Average |
| 0.15 ~ 0.5            | 66~56          | 56~46   |
| 0.5 ~ 5               | 56             | 46      |
| 5 ~ 30                | 60             | 50      |

NOTE 1 – The lower limit shall apply at the transition frequencies.  
 NOTE 2 – The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz~0.50 MHz  
 NOTE 3 – If the average limit is met when using a quasi-peak detector, the EUT shall be deemed to meet both limits and measurement with the average detector is unnecessary.

### 3.4 Test Configuration

The EUT (listed in Sec.2.1) and the simulators (listed in Sec 2.2) were installed as shown on Sec.3.2 to meet FCC requirement and operating in a manner that tends to maximize its emission level in a normal application.

### 3.5 Operating Condition of EUT

- 3.5.1 Setup the EUT and simulators as shown in Sec. 3.2.
- 3.5.2 Turn on the power of all equipment and the EUT.
- 3.5.3 Set the contrast control to maximum.
- 3.5.4 Set the brightness control to maximum or at raster extinction if raster extinction occurs at less than maximum brightness.
- 3.5.5 For color monitors, use white letters on a black background to represent all color.
- 3.5.6 Select the worse case of positive or negative video if both alternatives are available.
- 3.5.7 Set character size and number of characters per line so that typically the greatest number of characters per screen is displayed.
- 3.5.8 For monitors with graphics capabilities, a pattern consisting of all scrolling Hs should be displayed. For monitors with text only capability, a pattern consisting of random text shall be displayed. If neither of the above is applied, use a typical display.
- 3.5.9 Set the EUT on the test modes in turn, and then test it.
- 3.5.10 The test modes are as follows:

| Model Number | Test Mode          |
|--------------|--------------------|
| W2042TT      | VGA 640*480@60Hz   |
|              | VGA 1024*768@60Hz  |
|              | VGA 1680*1050@60Hz |
|              | DVI 640*480@60Hz   |
|              | DVI 1024*768@60Hz  |
|              | DVI 1680*1050@60Hz |
| W2042ST      | VGA 640*480@60Hz   |
|              | VGA 1024*768@60Hz  |
|              | VGA 1680*1050@60Hz |

### 3.6 Test Procedures

The EUT was connected to the power mains through a Line Impedance Stabilization Network (LISN). This provided a 50 ohm coupling impedance for the measuring equipment.

Both sides of AC line (VA & VB) were checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables were changed or manipulated according to ANSI C63.4:2003 during conducted emission test.

The bandwidth of R&S Test Receiver ESHS10 was set at 10 kHz.

The frequency range from 150 kHz to 30 MHz was checked.

The test modes were done on conducted disturbance test and all the test results are listed in Sec. 3.7.

### 3.7 Test Results

**< PASS >**

The frequency and amplitude of the highest conducted emission relative to the limit is reported. All emissions not reported below are too low against the prescribed limits.

| Model Number | Test Mode          | Data Page |
|--------------|--------------------|-----------|
| W2042TT      | VGA 640*480@60Hz   | P12       |
|              | VGA 1024*768@60Hz  | P13       |
|              | VGA 1680*1050@60Hz | P14       |
|              | DVI 640*480@60Hz   | P15       |
|              | DVI 1024*768@60Hz  | P16       |
|              | DVI 1680*1050@60Hz | P17       |
| W2042ST      | VGA 640*480@60Hz   | P18       |
|              | VGA 1024*768@60Hz  | P19       |
|              | VGA 1680*1050@60Hz | P20       |

NOTE 1 – Factor = Cable Loss + LISN Factor.

NOTE 2 – Emission Level = Meter Reading + Factor.

NOTE 3 – All reading are Quasi-Peak values and Average values.

NOTE 4 – The worst case is for DVI 1680\*1050@60Hz mode (M/N: W2042TT). The worst emission is detected at 4.092 MHz with corrected signal level of 38.44 (μV) (limit is 46.00 dB (μV)), when the VB (Average Value) of the EUT is connected to LISN.

EUT : LCD Monitor Temperature : 22°C

Model No. : W2042TT Humidity : 60%

Serial No. : E07103102 Date of Test : Nov 05, 2007

Test Mode : VGA 640\*480@60Hz

| Test Line | Frequency (MHz) | Meter Reading dB(μV) | Factor (dB) | Emission Level dB(μV) | Limits dB(μV) | Margin (dB)  | Remark |
|-----------|-----------------|----------------------|-------------|-----------------------|---------------|--------------|--------|
| VA        | 0.150           | 38.30                | 0.66        | 38.96                 | 66.00         | 27.04        | QP     |
|           | 0.212           | 44.30                | 0.73        | 45.03                 | 63.13         | 18.10        |        |
|           | 0.352           | 38.91                | 0.68        | 39.59                 | 58.92         | 19.33        |        |
|           | 3.810           | 39.90                | 0.61        | 40.51                 | 56.00         | 15.49        |        |
|           | 0.704           | 39.50                | 0.59        | 40.09                 | 56.00         | 15.91        |        |
|           | 4.090           | 44.21                | 0.62        | 44.83                 | 56.00         | 11.17        |        |
|           | 0.150           | 31.00                | 0.66        | 31.66                 | 56.00         | 24.34        | AV     |
|           | 0.212           | 38.90                | 0.73        | 39.63                 | 53.13         | 13.50        |        |
|           | 0.352           | 35.71                | 0.68        | 36.39                 | 48.92         | 12.53        |        |
|           | <b>0.704</b>    | <b>36.70</b>         | <b>0.59</b> | <b>37.29</b>          | <b>46.00</b>  | <b>8.71</b>  |        |
|           | 3.810           | 32.60                | 0.61        | 33.21                 | 46.00         | 12.79        |        |
|           | 4.090           | 35.11                | 0.62        | 35.73                 | 46.00         | 10.27        |        |
| VB        | 0.150           | 38.30                | 0.53        | 38.83                 | 66.00         | 27.17        | QP     |
|           | 0.210           | 44.09                | 0.67        | 44.76                 | 63.21         | 18.45        |        |
|           | 0.352           | 38.41                | 0.65        | 39.06                 | 58.92         | 19.86        |        |
|           | 0.706           | 36.20                | 0.58        | 36.78                 | 56.00         | 19.22        |        |
|           | 3.810           | 36.50                | 0.54        | 37.04                 | 56.00         | 18.96        |        |
|           | 4.090           | 40.31                | 0.53        | 40.84                 | 56.00         | 15.16        |        |
|           | 0.150           | 31.00                | 0.53        | 31.53                 | 56.00         | 24.47        | AV     |
|           | 0.210           | 38.59                | 0.67        | 39.26                 | 53.21         | 13.95        |        |
|           | 0.352           | 34.41                | 0.65        | 35.06                 | 48.92         | 13.86        |        |
|           | <b>0.706</b>    | <b>33.30</b>         | <b>0.58</b> | <b>33.88</b>          | <b>46.00</b>  | <b>12.12</b> |        |
|           | 3.810           | 28.00                | 0.54        | 28.54                 | 46.00         | 17.46        |        |
|           | 4.090           | 29.01                | 0.53        | 29.54                 | 46.00         | 16.46        |        |

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : W2042TT Humidity : 60%

Serial No. : E07103102 Date of Test : Nov 05, 2007

Test Mode : VGA 1024\*768@60Hz

| Test Line | Frequency (MHz) | Meter Reading dB(μV) | Factor (dB) | Emission Level dB(μV) | Limits dB(μV) | Margin (dB)  | Remark |
|-----------|-----------------|----------------------|-------------|-----------------------|---------------|--------------|--------|
| VA        | 0.150           | 39.00                | 0.66        | 39.66                 | 66.00         | 26.34        | QP     |
|           | 0.212           | 44.30                | 0.73        | 45.03                 | 63.13         | 18.10        |        |
|           | 0.353           | 38.81                | 0.68        | 39.49                 | 58.89         | 19.40        |        |
|           | 0.700           | 39.20                | 0.59        | 39.79                 | 56.00         | 16.21        |        |
|           | 3.810           | 40.40                | 0.61        | 41.01                 | 56.00         | 14.99        |        |
|           | 4.090           | 44.01                | 0.62        | 44.63                 | 56.00         | 11.37        |        |
|           | 0.150           | 31.00                | 0.66        | 31.66                 | 56.00         | 24.34        | AV     |
|           | 0.212           | 39.00                | 0.73        | 39.73                 | 53.13         | 13.40        |        |
|           | 0.353           | 35.71                | 0.68        | 36.39                 | 48.89         | 12.50        |        |
|           | <b>0.700</b>    | <b>36.30</b>         | <b>0.59</b> | <b>36.89</b>          | <b>46.00</b>  | <b>9.11</b>  |        |
|           | 3.810           | 32.70                | 0.61        | 33.31                 | 46.00         | 12.69        |        |
|           | 4.090           | 36.01                | 0.62        | 36.63                 | 46.00         | 9.37         |        |
| VB        | 0.150           | 40.30                | 0.53        | 40.83                 | 66.00         | 25.17        | QP     |
|           | 0.212           | 45.79                | 0.67        | 46.46                 | 63.13         | 16.67        |        |
|           | 0.354           | 38.61                | 0.65        | 39.26                 | 58.87         | 19.61        |        |
|           | 0.706           | 36.40                | 0.58        | 36.98                 | 56.00         | 19.02        |        |
|           | 3.603           | 37.70                | 0.54        | 38.24                 | 56.00         | 17.76        |        |
|           | 4.020           | 38.31                | 0.53        | 38.84                 | 56.00         | 17.16        |        |
|           | 0.150           | 30.40                | 0.53        | 30.93                 | 56.00         | 25.07        | AV     |
|           | 0.212           | 39.49                | 0.67        | 40.16                 | 53.13         | 12.97        |        |
|           | 0.354           | 34.61                | 0.65        | 35.26                 | 48.87         | 13.61        |        |
|           | <b>0.706</b>    | <b>33.60</b>         | <b>0.58</b> | <b>34.18</b>          | <b>46.00</b>  | <b>11.82</b> |        |
|           | 4.020           | 29.61                | 0.53        | 30.14                 | 46.00         | 15.86        |        |

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : W2042TT Humidity : 60%

Serial No. : E07103102 Date of Test : Nov 05, 2007

Test Mode : VGA 1680\*1050@60Hz

| Test Line | Frequency (MHz) | Meter Reading dB(μV) | Factor (dB) | Emission Level dB(μV) | Limits dB(μV) | Margin (dB)  | Remark |
|-----------|-----------------|----------------------|-------------|-----------------------|---------------|--------------|--------|
| VA        | 0.210           | 48.29                | 0.74        | 49.03                 | 63.21         | 14.18        | QP     |
|           | 0.281           | 41.10                | 0.71        | 41.81                 | 60.79         | 18.98        |        |
|           | 0.350           | 38.90                | 0.69        | 39.59                 | 58.96         | 19.37        |        |
|           | 3.740           | 37.60                | 0.61        | 38.21                 | 56.00         | 17.79        |        |
|           | 3.960           | 39.10                | 0.62        | 39.72                 | 56.00         | 16.28        |        |
|           | 23.018          | 34.60                | 0.92        | 35.52                 | 60.00         | 24.48        |        |
|           | <b>0.210</b>    | <b>41.59</b>         | <b>0.74</b> | <b>42.33</b>          | <b>53.21</b>  | <b>10.88</b> | AV     |
|           | 0.281           | 36.00                | 0.71        | 36.71                 | 50.79         | 14.08        |        |
|           | 0.350           | 35.30                | 0.69        | 35.99                 | 48.96         | 12.97        |        |
|           | 3.740           | 32.00                | 0.61        | 32.61                 | 46.00         | 13.39        |        |
|           | 3.960           | 32.30                | 0.62        | 32.92                 | 46.00         | 13.08        |        |
|           | 23.018          | 28.90                | 0.92        | 29.82                 | 50.00         | 20.18        |        |
| VB        | 0.150           | 42.30                | 0.53        | 42.83                 | 66.00         | 23.17        | QP     |
|           | 0.208           | 46.19                | 0.67        | 46.86                 | 63.28         | 16.42        |        |
|           | 0.353           | 39.51                | 0.65        | 40.16                 | 58.89         | 18.73        |        |
|           | 0.702           | 37.20                | 0.58        | 37.78                 | 56.00         | 18.22        |        |
|           | 3.600           | 37.80                | 0.54        | 38.34                 | 56.00         | 17.66        |        |
|           | 22.330          | 39.00                | 1.01        | 40.01                 | 60.00         | 19.99        |        |
|           | 0.150           | 32.10                | 0.53        | 32.63                 | 56.00         | 23.37        | AV     |
|           | 0.208           | 40.69                | 0.67        | 41.36                 | 53.28         | 11.92        |        |
|           | 0.353           | 35.21                | 0.65        | 35.86                 | 48.89         | 13.03        |        |
|           | <b>0.702</b>    | <b>35.40</b>         | <b>0.58</b> | <b>35.98</b>          | <b>46.00</b>  | <b>10.02</b> |        |
|           | 3.600           | 27.90                | 0.54        | 28.44                 | 46.00         | 17.56        |        |
|           | 22.330          | 32.00                | 1.01        | 33.01                 | 50.00         | 16.99        |        |

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : W2042TT Humidity : 60%

Serial No. : E07103102 Date of Test : Nov 05, 2007

Test Mode : DVI 640\*480@60Hz

| Test Line | Frequency (MHz) | Meter Reading dB(μV) | Factor (dB) | Emission Level dB(μV) | Limits dB(μV) | Margin (dB) | Remark |
|-----------|-----------------|----------------------|-------------|-----------------------|---------------|-------------|--------|
| VA        | 0.15            | 45.20                | 0.66        | 45.86                 | 66.00         | 20.14       | QP     |
|           | 0.21279         | 43.50                | 0.73        | 44.23                 | 63.10         | 18.87       |        |
|           | 0.35201         | 38.31                | 0.68        | 38.99                 | 58.91         | 19.92       |        |
|           | 0.70096         | 37.50                | 0.59        | 38.09                 | 56.00         | 17.91       |        |
|           | 3.799           | 40.60                | 0.61        | 41.21                 | 56.00         | 14.79       |        |
|           | 4.092           | 41.91                | 0.62        | 42.53                 | 56.00         | 13.47       |        |
|           | 0.15            | 35.10                | 0.66        | 35.76                 | 56.00         | 20.24       | AV     |
|           | 0.21279         | 36.10                | 0.73        | 36.83                 | 53.10         | 16.27       |        |
|           | 0.35201         | 34.11                | 0.68        | 34.79                 | 48.91         | 14.12       |        |
|           | 0.70096         | 29.90                | 0.59        | 30.49                 | 46.00         | 15.51       |        |
|           | 3.799           | 33.90                | 0.61        | 34.51                 | 46.00         | 11.49       |        |
|           | <b>4.092</b>    | <b>35.41</b>         | <b>0.62</b> | <b>36.03</b>          | <b>46.00</b>  | <b>9.97</b> |        |
| VB        | 0.15321         | 43.60                | 0.54        | 44.14                 | 65.82         | 21.68       | QP     |
|           | 0.21279         | 42.49                | 0.67        | 43.16                 | 63.10         | 19.94       |        |
|           | 0.35201         | 38.11                | 0.65        | 38.76                 | 58.91         | 20.15       |        |
|           | 3.241           | 38.20                | 0.54        | 38.74                 | 56.00         | 17.26       |        |
|           | 3.799           | 40.40                | 0.54        | 40.94                 | 56.00         | 15.06       |        |
|           | 4.092           | 39.51                | 0.53        | 40.04                 | 56.00         | 15.96       |        |
|           | 0.15321         | 26.10                | 0.54        | 26.64                 | 55.82         | 29.18       | AV     |
|           | 0.21279         | 27.89                | 0.67        | 28.56                 | 53.10         | 24.54       |        |
|           | 0.35201         | 33.11                | 0.65        | 33.76                 | 48.91         | 15.15       |        |
|           | 3.241           | 36.40                | 0.54        | 36.94                 | 46.00         | 9.06        |        |
|           | <b>3.799</b>    | <b>37.10</b>         | <b>0.54</b> | <b>37.64</b>          | <b>46.00</b>  | <b>8.36</b> |        |
|           | 4.092           | 36.41                | 0.53        | 36.94                 | 46.00         | 9.06        |        |

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : W2042TT Humidity : 60%

Serial No. : E07103102 Date of Test : Nov 05, 2007

Test Mode : DVI 1024\*768@60Hz

| Test Line | Frequency (MHz) | Meter Reading dB(μV) | Factor (dB) | Emission Level dB(μV) | Limits dB(μV) | Margin (dB)  | Remark |
|-----------|-----------------|----------------------|-------------|-----------------------|---------------|--------------|--------|
| VA        | 0.15            | 44.63                | 0.66        | 45.29                 | 66.00         | 20.71        | QP     |
|           | 0.21055         | 42.10                | 0.73        | 42.83                 | 63.18         | 20.35        |        |
|           | 0.35201         | 38.91                | 0.68        | 39.59                 | 58.91         | 19.32        |        |
|           | 0.70096         | 38.10                | 0.59        | 38.69                 | 56.00         | 17.31        |        |
|           | 3.799           | 39.90                | 0.61        | 40.51                 | 56.00         | 15.49        |        |
|           | 4.092           | 42.11                | 0.62        | 42.73                 | 56.00         | 13.27        |        |
|           | 0.15            | 37.40                | 0.66        | 38.06                 | 56.00         | 17.94        | AV     |
|           | 0.21055         | 35.70                | 0.73        | 36.43                 | 53.18         | 16.75        |        |
|           | 0.35201         | 32.11                | 0.68        | 32.79                 | 48.91         | 16.12        |        |
|           | 0.70096         | 33.10                | 0.59        | 33.69                 | 46.00         | 12.31        |        |
|           | 3.799           | 32.90                | 0.61        | 33.51                 | 46.00         | 12.49        |        |
|           | <b>4.092</b>    | <b>36.91</b>         | <b>0.62</b> | <b>37.53</b>          | <b>46.00</b>  | <b>8.47</b>  |        |
| VB        | 0.1508          | 43.20                | 0.53        | 43.73                 | 65.96         | 22.23        | QP     |
|           | 0.21055         | 42.69                | 0.67        | 43.36                 | 63.18         | 19.82        |        |
|           | 0.35201         | 37.61                | 0.65        | 38.26                 | 58.91         | 20.65        |        |
|           | 3.241           | 39.50                | 0.54        | 40.04                 | 56.00         | 15.96        |        |
|           | 3.799           | 40.10                | 0.54        | 40.64                 | 56.00         | 15.36        |        |
|           | 4.092           | 41.21                | 0.53        | 41.74                 | 56.00         | 14.26        |        |
|           | 0.1508          | 35.40                | 0.53        | 35.93                 | 55.96         | 20.03        | AV     |
|           | 0.21055         | 36.39                | 0.67        | 37.06                 | 53.18         | 16.12        |        |
|           | 0.35201         | 29.71                | 0.65        | 30.36                 | 48.91         | 18.55        |        |
|           | 3.241           | 32.10                | 0.54        | 32.64                 | 46.00         | 13.36        |        |
|           | 3.799           | 32.10                | 0.54        | 32.64                 | 46.00         | 13.36        |        |
|           | <b>4.092</b>    | <b>34.91</b>         | <b>0.53</b> | <b>35.44</b>          | <b>46.00</b>  | <b>10.56</b> |        |

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : W2042TT Humidity : 60%

Serial No. : E07103102 Date of Test : Nov 05, 2007

Test Mode : DVI 1680\*1050@60Hz

| Test Line | Frequency (MHz) | Meter Reading dB(μV) | Factor (dB) | Emission Level dB(μV) | Limits dB(μV) | Margin (dB) | Remark |
|-----------|-----------------|----------------------|-------------|-----------------------|---------------|-------------|--------|
| VA        | 0.1508          | 44.70                | 0.66        | 45.36                 | 65.96         | 20.60       | QP     |
|           | 0.21055         | 42.20                | 0.73        | 42.93                 | 63.18         | 20.25       |        |
|           | 0.35201         | 38.21                | 0.68        | 38.89                 | 58.91         | 20.02       |        |
|           | 0.70096         | 37.90                | 0.59        | 38.49                 | 56.00         | 17.51       |        |
|           | 3.799           | 40.50                | 0.61        | 41.11                 | 56.00         | 14.89       |        |
|           | 4.092           | 42.61                | 0.62        | 43.23                 | 56.00         | 12.77       |        |
|           | 0.1508          | 38.40                | 0.66        | 39.06                 | 55.96         | 16.90       | AV     |
|           | 0.21055         | 36.40                | 0.73        | 37.13                 | 53.18         | 16.05       |        |
|           | 0.35201         | 34.11                | 0.68        | 34.79                 | 48.91         | 14.12       |        |
|           | 0.70096         | 34.10                | 0.59        | 34.69                 | 46.00         | 11.31       |        |
|           | 3.799           | 35.10                | 0.61        | 35.71                 | 46.00         | 10.29       |        |
|           | <b>4.092</b>    | <b>37.41</b>         | <b>0.62</b> | <b>38.03</b>          | <b>46.00</b>  | <b>7.97</b> |        |
| VB        | 0.1508          | 44.70                | 0.53        | 45.23                 | 65.96         | 20.73       | QP     |
|           | 0.21055         | 42.29                | 0.67        | 42.96                 | 63.18         | 20.22       |        |
|           | 0.35201         | 37.81                | 0.65        | 38.46                 | 58.91         | 20.45       |        |
|           | 3.241           | 38.40                | 0.54        | 38.94                 | 56.00         | 17.06       |        |
|           | 3.799           | 40.40                | 0.54        | 40.94                 | 56.00         | 15.06       |        |
|           | 4.092           | 41.21                | 0.53        | 41.74                 | 56.00         | 14.26       |        |
|           | 0.1508          | 38.70                | 0.53        | 39.23                 | 55.96         | 16.73       | AV     |
|           | 0.21055         | 35.39                | 0.67        | 36.06                 | 53.18         | 17.12       |        |
|           | 0.35201         | 30.11                | 0.65        | 30.76                 | 48.91         | 18.15       |        |
|           | 3.241           | 31.10                | 0.54        | 31.64                 | 46.00         | 14.36       |        |
|           | 3.799           | 34.90                | 0.54        | 35.44                 | 46.00         | 10.56       |        |
|           | <b>4.092</b>    | <b>37.91</b>         | <b>0.53</b> | <b>38.44</b>          | <b>46.00</b>  | <b>7.56</b> |        |

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : W2042ST Humidity : 60%

Serial No. : E07103101 Date of Test : Nov 05, 2007

Test Mode : VGA 640\*480@60Hz

| Test Line | Frequency (MHz) | Meter Reading dB(μV) | Factor (dB) | Emission Level dB(μV) | Limits dB(μV) | Margin (dB)  | Remark |
|-----------|-----------------|----------------------|-------------|-----------------------|---------------|--------------|--------|
| VA        | 0.153           | 40.10                | 0.66        | 40.76                 | 65.84         | 25.08        | QP     |
|           | 0.210           | 42.19                | 0.74        | 42.93                 | 63.21         | 20.28        |        |
|           | 0.671           | 37.00                | 0.60        | 37.60                 | 56.00         | 18.40        |        |
|           | 3.840           | 39.91                | 0.61        | 40.52                 | 56.00         | 15.48        |        |
|           | 4.320           | 43.70                | 0.64        | 44.34                 | 56.00         | 11.66        |        |
|           | 21.570          | 34.10                | 0.91        | 35.01                 | 60.00         | 24.99        |        |
|           | 0.153           | 30.00                | 0.66        | 30.66                 | 55.84         | 25.18        | AV     |
|           | 0.210           | 38.99                | 0.74        | 39.73                 | 53.21         | 13.48        |        |
|           | <b>0.671</b>    | <b>36.70</b>         | <b>0.60</b> | <b>37.30</b>          | <b>46.00</b>  | <b>8.70</b>  |        |
|           | 3.840           | 33.01                | 0.61        | 33.62                 | 46.00         | 12.38        |        |
|           | 4.320           | 33.20                | 0.64        | 33.84                 | 46.00         | 12.16        |        |
|           | 21.570          | 32.00                | 0.91        | 32.91                 | 50.00         | 17.09        |        |
| VB        | 0.150           | 36.00                | 0.53        | 36.53                 | 66.00         | 29.47        | QP     |
|           | 0.210           | 42.19                | 0.67        | 42.86                 | 63.21         | 20.35        |        |
|           | 0.351           | 33.31                | 0.65        | 33.96                 | 58.94         | 24.98        |        |
|           | 0.671           | 33.00                | 0.59        | 33.59                 | 56.00         | 22.41        |        |
|           | 3.490           | 36.40                | 0.54        | 36.94                 | 56.00         | 19.06        |        |
|           | <b>4.250</b>    | <b>43.00</b>         | <b>0.54</b> | <b>43.54</b>          | <b>56.00</b>  | <b>12.46</b> |        |
|           | 0.150           | 26.00                | 0.53        | 26.53                 | 56.00         | 29.47        | AV     |
|           | 0.210           | 36.39                | 0.67        | 37.06                 | 53.21         | 16.15        |        |
|           | 0.351           | 30.61                | 0.65        | 31.26                 | 48.94         | 17.68        |        |
|           | 0.671           | 32.60                | 0.59        | 33.19                 | 46.00         | 12.81        |        |
|           | 3.490           | 32.00                | 0.54        | 32.54                 | 46.00         | 13.46        |        |
|           | 4.250           | 32.30                | 0.54        | 32.84                 | 46.00         | 13.16        |        |

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : W2042ST Humidity : 60%

Serial No. : E07103101 Date of Test : Oct 25, 2007

Test Mode : VGA 1024\*768@60Hz

| Test Line | Frequency (MHz) | Meter Reading dB(μV) | Factor (dB) | Emission Level dB(μV) | Limits dB(μV) | Margin (dB)  | Remark |
|-----------|-----------------|----------------------|-------------|-----------------------|---------------|--------------|--------|
| VA        | 0.209           | 42.19                | 0.74        | 42.93                 | 63.24         | 20.31        | QP     |
|           | 0.671           | 37.00                | 0.60        | 37.60                 | 56.00         | 18.40        |        |
|           | 3.830           | 42.30                | 0.61        | 42.91                 | 56.00         | 13.09        |        |
|           | 4.330           | 44.00                | 0.64        | 44.64                 | 56.00         | 11.36        |        |
|           | 6.980           | 32.20                | 0.67        | 32.87                 | 60.00         | 27.13        |        |
|           | 21.950          | 36.00                | 0.91        | 36.91                 | 60.00         | 23.09        |        |
|           | 0.209           | 37.39                | 0.74        | 38.13                 | 53.24         | 15.11        | AV     |
|           | <b>0.671</b>    | <b>36.80</b>         | <b>0.60</b> | <b>37.40</b>          | <b>46.00</b>  | <b>8.60</b>  |        |
|           | 3.830           | 32.20                | 0.61        | 32.81                 | 46.00         | 13.19        |        |
|           | 4.330           | 36.00                | 0.64        | 36.64                 | 46.00         | 9.36         |        |
|           | 6.980           | 31.00                | 0.67        | 31.67                 | 50.00         | 18.33        |        |
|           | 21.950          | 23.00                | 0.91        | 23.91                 | 50.00         | 26.09        |        |
| VB        | 0.210           | 42.09                | 0.67        | 42.76                 | 63.21         | 20.45        | QP     |
|           | 0.350           | 34.31                | 0.65        | 34.96                 | 58.96         | 24.00        |        |
|           | 0.670           | 32.80                | 0.59        | 33.39                 | 56.00         | 22.61        |        |
|           | 3.840           | 37.50                | 0.54        | 38.04                 | 56.00         | 17.96        |        |
|           | <b>4.320</b>    | <b>42.50</b>         | <b>0.54</b> | <b>43.04</b>          | <b>56.00</b>  | <b>12.96</b> |        |
|           | 21.600          | 34.30                | 1.01        | 35.31                 | 60.00         | 24.69        |        |
|           | 0.670           | 32.00                | 0.59        | 32.59                 | 46.00         | 13.41        | AV     |
|           | 0.210           | 36.79                | 0.67        | 37.46                 | 53.21         | 15.75        |        |
|           | 0.350           | 32.01                | 0.65        | 32.66                 | 48.96         | 16.30        |        |
|           | 3.840           | 30.00                | 0.54        | 30.54                 | 46.00         | 15.46        |        |
|           | 4.320           | 31.00                | 0.54        | 31.54                 | 46.00         | 14.46        |        |
|           | 21.600          | 28.20                | 1.01        | 29.21                 | 50.00         | 20.79        |        |

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : W2042ST Humidity : 60%

Serial No. : E07103101 Date of Test : Nov 05, 2007

Test Mode : VGA 1680\*1050@60Hz

| Test Line | Frequency (MHz) | Meter Reading dB(μV) | Factor (dB)  | Emission Level dB(μV) | Limits dB(μV) | Margin (dB)  | Remark |
|-----------|-----------------|----------------------|--------------|-----------------------|---------------|--------------|--------|
| VA        | 0.150           | 35.10                | 0.66         | 35.76                 | 66.00         | 30.24        | QP     |
|           | 0.209           | 41.99                | 0.74         | 42.73                 | 63.24         | 20.51        |        |
|           | 0.673           | 36.40                | 0.60         | 37.00                 | 56.00         | 19.00        |        |
|           | 3.830           | 41.30                | 0.61         | 41.91                 | 56.00         | 14.09        |        |
|           | 4.250           | 43.39                | 0.64         | 44.03                 | 56.00         | 11.97        |        |
|           | 20.800          | 34.10                | 0.91         | 35.01                 | 60.00         | 24.99        |        |
|           | 0.150           | 31.00                | 0.66         | 31.66                 | 56.00         | 24.34        | AV     |
|           | 0.209           | 37.29                | 0.74         | 38.03                 | 53.24         | 15.21        |        |
|           | <b>0.673</b>    | <b>36.70</b>         | <b>0.60</b>  | <b>37.30</b>          | <b>46.00</b>  | <b>8.70</b>  |        |
|           | 3.830           | 32.60                | 0.61         | 33.21                 | 46.00         | 12.79        |        |
|           | 4.250           | 34.62                | 0.64         | 35.26                 | 46.00         | 10.74        |        |
|           | 20.800          | 29.00                | 0.91         | 29.91                 | 50.00         | 20.09        |        |
| VB        | 0.150           | 36.53                | 36.00        | 0.53                  | 66.00         | 29.47        | QP     |
|           | 0.209           | 42.96                | 42.29        | 0.67                  | 63.24         | 20.28        |        |
|           | 0.350           | 34.36                | 33.71        | 0.65                  | 58.96         | 24.60        |        |
|           | <b>4.320</b>    | <b>43.04</b>         | <b>42.50</b> | <b>0.54</b>           | <b>56.00</b>  | <b>12.96</b> |        |
|           | 5.580           | 36.62                | 35.99        | 0.63                  | 60.00         | 23.38        |        |
|           | 20.800          | 35.82                | 34.81        | 1.01                  | 60.00         | 24.18        |        |
|           | 0.150           | 26.53                | 26.00        | 0.53                  | 56.00         | 29.47        | AV     |
|           | 0.209           | 37.66                | 36.99        | 0.67                  | 53.24         | 15.58        |        |
|           | 0.350           | 32.26                | 31.61        | 0.65                  | 48.96         | 16.70        |        |
|           | 4.320           | 30.54                | 30.00        | 0.54                  | 46.00         | 15.46        |        |
|           | 5.580           | 31.62                | 30.99        | 0.63                  | 50.00         | 18.38        |        |
|           | 20.800          | 31.02                | 30.01        | 1.01                  | 50.00         | 18.98        |        |

TEST ENGINEER: RAVEN JIN

## 4 RADIATED EMISSION TEST

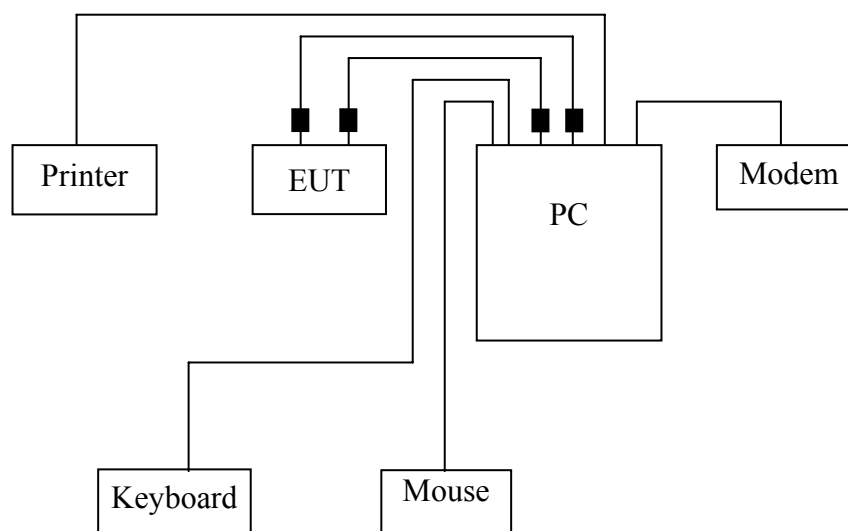
### 4.1 Test Equipment

The following test equipment are used during the radiated emission test in a semi-anechoic chamber:

| Item | Type           | Manufacturer | Model No. | Serial No.             | Last Cal.    | Next Cal.    |
|------|----------------|--------------|-----------|------------------------|--------------|--------------|
| 1.   | Test Receiver  | R&S          | ESVS10    | 844594/001             | Apr 06, 2007 | Apr 06, 2008 |
| 2.   | Preamplifier   | Agilent      | 8447D     | 2944A10548             | Sep 19, 2007 | Mar 19, 2008 |
| 3.   | Preamplifier   | HP           | 8449B     | 3008A00864             | Apr 06, 2007 | Apr 06, 2008 |
| 4.   | Bi-log Antenna | Chase        | CBL6111   | 1145                   | Sep 18, 2007 | Mar 18, 2008 |
| 5.   | Horn Antenna   | EMCO         | 3115      | 9607-4878              | Apr 06, 2007 | Apr 06, 2008 |
| 6.   | Spectrum       | Agilent      | E7405A    | MY45106600             | Apr 06, 2007 | Apr 06, 2008 |
| 7.   | Software       | Audix        | E3        | SET00200<br>9912M295-2 | --           | --           |

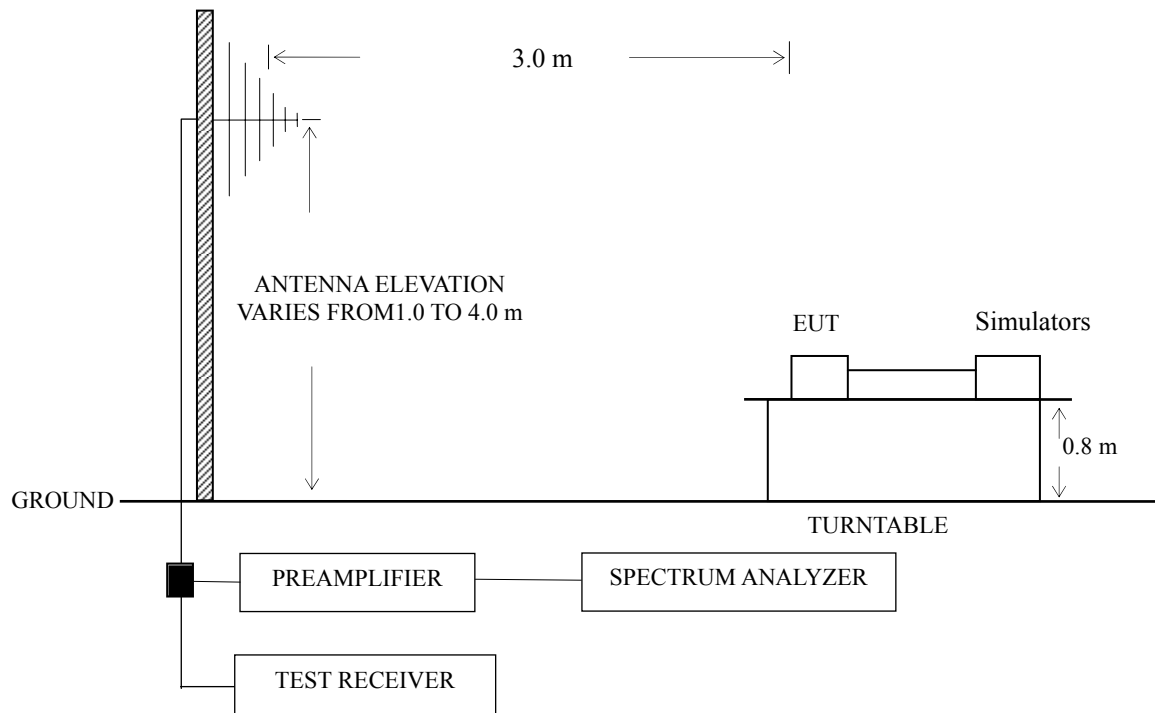
### 4.2 Block Diagram of Test Setup

#### 4.2.1 EUT and simulators



■ : Ferrite Core

#### 4.2.2 Radiated emission test setup



■ : 50 Ohm Coaxial Switch

#### 4.3 Radiated Emission Limit [FCC Part 15 Subpart B 15.109(a)]

| Frequency<br>(MHz) | Distance<br>(m) | Field strength limits |                        |
|--------------------|-----------------|-----------------------|------------------------|
|                    |                 | ( $\mu\text{V/m}$ )   | dB ( $\mu\text{V/m}$ ) |
| 30 ~ 88            | 3               | 100                   | 40.0                   |
| 88 ~ 216           | 3               | 150                   | 43.5                   |
| 216 ~ 960          | 3               | 200                   | 46.0                   |
| Above 960          | 3               | 500                   | 54.0                   |

NOTE 1 - Emission Level dB ( $\mu\text{V/m}$ ) = 20 log Emission Level ( $\mu\text{V/m}$ )  
 NOTE 2 - The tighter limit applies at the band edges.  
 NOTE 3 - Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.  
 NOTE 4 - The limits shown are based on Quasi-peak value detector below or equal to 1GHz and Average value detector above 1GHz.  
 NOTE 5 - Above 1 GHz, the limit on peak emission is 20 dB above the maximum permitted average emission limit applicable to the EUT.

#### 4.4 Test Configuration

The configuration of the EUT and simulators are same as those used in conducted emission test.

Please refer to Sec.3.4.

## 4.5 Operating Condition of EUT

Same as conducted emission test which is listed in Sec.3.5, except the test setup replaced by Sec.4.2.

## 4.6 Test Procedures

The EUT and simulators were placed on a turntable that is 0.8 meter above ground. The turntable rotated 360 degrees to determine the position of the maximum emission level. The EUT was set 3 meters away from the receiving antenna, which was mounted on an antenna tower. The broadband antenna (Calibrated antenna) was used as receiving antenna below 1000MHz. The horn antenna was used as receiving antenna above 1000MHz. The antenna moved up and down between 1 meter and 4 meters to find out the maximum emission level. The broadband antenna (Calibrated Bilog Antenna) or the horn antenna was used as receiving antenna. Both horizontal and vertical polarizations of the antenna were set on measurement. In order to find the maximum emission, all of the interference cables were manipulated according to ANSI C63.4:2003 requirements during radiated emission test.

The bandwidth of Test Receiver R&S ESVS10 was set at 120 kHz below 1GHz and The Spectrum Agilent E7405A was set at 1MHz above 1GHz.

The frequency range from 30 MHz to 2000 MHz was checked.

The frequency range from 1 GHz to 2 GHz was checked for VGA 1680\*1050@60Hz and DVI 1680\*1050@60Hz mode.

The test modes were done on radiated disturbance test and all the test results are listed in Sec.4.7.

## 4.7 Test Results

### <PASS>

The frequency and amplitude of the highest radiated emission relative the limit is reported. All the emissions not reported below are too low against the FCC limit.

| Model Number | Test Mode          | Data Page |
|--------------|--------------------|-----------|
| W2042TT      | VGA 640*480@60Hz   | P25       |
|              | VGA 1024*768@60Hz  | P26       |
|              | VGA 1680*1050@60Hz | P27 – P28 |
|              | DVI 640*480@60Hz   | P29       |
|              | DVI 1024*768@60Hz  | P30       |
|              | DVI 1680*1050@60Hz | P31 – P32 |
| W2042ST      | VGA 640*480@60Hz   | P33       |
|              | VGA 1024*768@60Hz  | P34       |
|              | VGA 1680*1050@60Hz | P35 – P36 |

NOTE 1 – Emission Level = Antenna Factor + Cable Loss + Meter Reading.( $< 1\text{GHz}$ )

NOTE 2 – Emission Level = Antenna Factor + Cable Loss – Preamp Factor + Meter Reading.( $> 1\text{GHz}$ )

NOTE 3 – The emission levels that are 20dB below the official limit are not reported.

NOTE 4 –  $0^\circ$  was the table front facing the antenna. Degree is calculated from  $0^\circ$  clockwise facing the antenna.

NOTE 5 – All reading are Quasi-Peak values below or equal to 1GHz and Peak values above 1GHz.

NOTE 6 – The worst case is for VGA 1680\*1050@60Hz (M/N: W2042ST). The worst emission at horizontal polarization was detected at 321.97 MHz with corrected signal level of 42.77 dB ( $\mu\text{V/m}$ ) (limit is 46.00 dB ( $\mu\text{V/m}$ )), when the antenna was 1.20 m height and the turntable was at  $130^\circ$ . The worst emission at vertical polarization was detected at 321.97 MHz with corrected signal level of 42.31 dB ( $\mu\text{V/m}$ ) (limit is 46.00 dB ( $\mu\text{V/m}$ )), when the antenna was 1.00 m height and the turntable was at  $230^\circ$ .

EUT : LCD Monitor Temperature : 22°C

Model No. : W2042TT Humidity : 60%

Serial No. : E07103102 Date of Test : Nov 07, 2007

Test Mode : VGA 640\*480@60Hz

| Polarization | Frequency (MHz) | Meter Reading dB (μV) | Antenna Factor (dB/m) | Cable Loss (dB) | Emission Level dB (μV/m) | Limits dB (μV/m) | Margin (dB) |
|--------------|-----------------|-----------------------|-----------------------|-----------------|--------------------------|------------------|-------------|
| Horizontal   | <b>31.94</b>    | <b>14.41</b>          | <b>15.50</b>          | <b>0.92</b>     | <b>30.83</b>             | <b>40.00</b>     | <b>9.17</b> |
|              | 36.79           | 18.37                 | 9.56                  | 0.94            | 28.87                    | 40.00            | 11.13       |
|              | 77.53           | 8.90                  | 12.26                 | 1.50            | 22.66                    | 40.00            | 17.34       |
|              | 216.24          | 18.89                 | 13.35                 | 2.50            | 34.74                    | 46.00            | 11.26       |
|              | 237.58          | 12.87                 | 13.67                 | 2.68            | 29.22                    | 46.00            | 16.78       |
|              | 356.89          | 8.30                  | 16.06                 | 3.42            | 27.78                    | 46.00            | 18.22       |
| Vertical     | 31.94           | 16.95                 | 15.50                 | 0.92            | 33.37                    | 40.00            | 6.63        |
|              | 36.79           | 23.33                 | 9.56                  | 0.94            | 33.83                    | 40.00            | 6.17        |
|              | <b>85.29</b>    | <b>21.94</b>          | <b>11.51</b>          | <b>1.57</b>     | <b>35.02</b>             | <b>40.00</b>     | <b>4.98</b> |
|              | 99.84           | 25.81                 | 10.75                 | 1.69            | 38.25                    | 43.50            | 5.25        |
|              | 193.93          | 21.84                 | 12.64                 | 2.30            | 36.78                    | 43.50            | 6.72        |
|              | 449.04          | 16.50                 | 19.05                 | 3.80            | 39.35                    | 46.00            | 6.65        |

TEST ENGINEER: KEN XU

EUT : LCD Monitor Temperature : 22°C

Model No. : W2042TT Humidity : 60%

Serial No. : E07103102 Date of Test : Nov 07, 2007

Test Mode : VGA 1024\*768@60Hz

| Polarization | Frequency (MHz) | Meter Reading dB (μV) | Antenna Factor (dB/m) | Cable Loss (dB) | Emission Level dB (μV/m) | Limits dB (μV/m) | Margin (dB) |
|--------------|-----------------|-----------------------|-----------------------|-----------------|--------------------------|------------------|-------------|
| Horizontal   | <b>31.94</b>    | <b>17.33</b>          | <b>15.50</b>          | <b>0.92</b>     | <b>33.75</b>             | <b>40.00</b>     | <b>6.25</b> |
|              | 119.24          | 14.55                 | 11.79                 | 1.86            | 28.20                    | 43.50            | 15.30       |
|              | 193.93          | 20.19                 | 12.64                 | 2.30            | 35.13                    | 43.50            | 8.37        |
|              | 216.24          | 23.48                 | 13.35                 | 2.50            | 39.33                    | 46.00            | 6.67        |
|              | 237.58          | 23.16                 | 13.67                 | 2.68            | 39.51                    | 46.00            | 6.49        |
|              | 290.93          | 15.52                 | 13.33                 | 3.06            | 31.91                    | 46.00            | 14.09       |
| Vertical     | 32.91           | 19.83                 | 14.38                 | 0.92            | 35.13                    | 40.00            | 4.87        |
|              | <b>80.44</b>    | <b>22.20</b>          | <b>12.19</b>          | <b>1.52</b>     | <b>35.91</b>             | <b>40.00</b>     | <b>4.09</b> |
|              | 119.24          | 20.67                 | 11.79                 | 1.86            | 34.32                    | 43.50            | 9.18        |
|              | 193.93          | 21.84                 | 12.64                 | 2.30            | 36.78                    | 43.50            | 6.72        |
|              | 237.58          | 18.96                 | 13.67                 | 2.68            | 35.31                    | 46.00            | 10.69       |
|              | 356.89          | 11.05                 | 16.06                 | 3.42            | 30.53                    | 46.00            | 15.47       |

TEST ENGINEER: KEN XU

EUT : LCD Monitor Temperature : 22°C

Model No. : W2042TT Humidity : 60%

Serial No. : E07103102 Date of Test : Nov 07, 2007

Test Mode : VGA 1680\*1050@60Hz

| Polarization | Frequency (MHz) | Meter Reading dB (μV) | Antenna Factor (dB/m) | Cable Loss (dB) | Emission Level dB (μV/m) | Limits dB (μV/m) | Margin (dB) |
|--------------|-----------------|-----------------------|-----------------------|-----------------|--------------------------|------------------|-------------|
| Horizontal   | <b>31.94</b>    | <b>14.73</b>          | <b>15.50</b>          | <b>0.92</b>     | <b>31.15</b>             | <b>40.00</b>     | <b>8.85</b> |
|              | 36.79           | 19.15                 | 9.56                  | 0.94            | 29.65                    | 40.00            | 10.35       |
|              | 85.29           | 7.82                  | 11.51                 | 1.57            | 20.90                    | 40.00            | 19.10       |
|              | 179.38          | 16.40                 | 11.56                 | 2.24            | 30.20                    | 43.50            | 13.30       |
|              | 216.24          | 18.64                 | 13.35                 | 2.50            | 34.49                    | 46.00            | 11.51       |
|              | 237.58          | 17.31                 | 13.67                 | 2.68            | 33.66                    | 46.00            | 12.34       |
| Vertical     | 31.94           | 18.72                 | 15.50                 | 0.92            | 35.14                    | 40.00            | 4.86        |
|              | 36.79           | 22.98                 | 9.56                  | 0.94            | 33.48                    | 40.00            | 6.52        |
|              | <b>85.29</b>    | <b>22.43</b>          | <b>11.51</b>          | <b>1.57</b>     | <b>35.51</b>             | <b>40.00</b>     | <b>4.49</b> |
|              | 119.24          | 20.63                 | 11.79                 | 1.86            | 34.28                    | 43.50            | 9.22        |
|              | 193.93          | 21.61                 | 12.64                 | 2.30            | 36.55                    | 43.50            | 6.95        |
|              | 237.58          | 15.76                 | 13.67                 | 2.68            | 32.11                    | 46.00            | 13.89       |

TEST ENGINEER: KEN XU

EUT : LCD Monitor Temperature : 22°C

Model No. : W2042TT Humidity : 60%

Serial No. : E07103102 Date of Test : Nov 07, 2007

Test Mode : VGA 1680\*1050@60Hz

| Polarization | Frequency (MHz) | Meter Reading dB (μV) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamplifier Factor (dB) | Emission Level dB (μV/m) | Limits dB (μV/m) | Margin (dB)  | Remark |
|--------------|-----------------|-----------------------|-----------------------|-----------------|--------------------------|--------------------------|------------------|--------------|--------|
| Horizontal   | 1122.00         | 44.68                 | 24.68                 | 6.95            | 37.37                    | 38.94                    | 74.00            | 35.06        | PK     |
|              | 1240.00         | 45.85                 | 25.18                 | 7.33            | 37.08                    | 41.28                    | 74.00            | 32.72        |        |
|              | 1349.00         | 45.69                 | 25.62                 | 7.75            | 36.83                    | 42.23                    | 74.00            | 31.77        |        |
|              | 1478.00         | 43.48                 | 26.07                 | 8.35            | 36.57                    | 41.33                    | 74.00            | 32.67        |        |
|              | 1586.00         | 43.54                 | 26.43                 | 8.71            | 36.37                    | 42.31                    | 74.00            | 31.69        |        |
|              | <b>1698.00</b>  | <b>43.12</b>          | <b>26.77</b>          | <b>8.99</b>     | <b>36.17</b>             | <b>42.71</b>             | <b>74.00</b>     | <b>31.29</b> |        |
| Vertical     | 1079.00         | 51.52                 | 24.48                 | 6.85            | 37.48                    | 45.37                    | 74.00            | 28.63        | PK     |
|              | <b>1205.00</b>  | <b>51.01</b>          | <b>25.05</b>          | <b>7.16</b>     | <b>37.16</b>             | <b>46.06</b>             | <b>74.00</b>     | <b>27.94</b> |        |
|              | 1354.00         | 43.27                 | 25.63                 | 7.84            | 36.83                    | 39.91                    | 74.00            | 34.09        |        |
|              | 1458.00         | 43.59                 | 26.00                 | 8.26            | 36.61                    | 41.24                    | 74.00            | 32.76        |        |
|              | 1566.00         | 42.78                 | 26.36                 | 8.64            | 36.40                    | 41.38                    | 74.00            | 32.62        |        |
|              | 1751.00         | 43.01                 | 26.93                 | 9.15            | 36.08                    | 43.01                    | 74.00            | 30.99        |        |

TEST ENGINEER: KEN XU

EUT : LCD Monitor Temperature : 22°C

Model No. : W2042TT Humidity : 60%

Serial No. : E07103102 Date of Test : Nov 07, 2007

Test Mode : DVI 640\*480@60Hz

| Polarization | Frequency (MHz) | Meter Reading dB (μV) | Antenna Factor (dB/m) | Cable Loss (dB) | Emission Level dB (μV/m) | Limits dB (μV/m) | Margin (dB) |
|--------------|-----------------|-----------------------|-----------------------|-----------------|--------------------------|------------------|-------------|
| Horizontal   | 33.88           | 14.25                 | 13.12                 | 0.93            | 28.30                    | 40.00            | 11.70       |
|              | 69.77           | 7.68                  | 12.34                 | 1.41            | 21.43                    | 40.00            | 18.57       |
|              | 174.53          | 12.87                 | 11.20                 | 2.21            | 26.28                    | 43.50            | 17.22       |
|              | 196.84          | 17.33                 | 12.84                 | 2.31            | 32.48                    | 43.50            | 11.02       |
|              | <b>232.73</b>   | <b>20.41</b>          | <b>13.60</b>          | <b>2.64</b>     | <b>36.65</b>             | <b>46.00</b>     | <b>9.35</b> |
|              | 526.64          | 4.07                  | 20.29                 | 4.06            | 28.42                    | 46.00            | 17.58       |
| Vertical     | <b>33.88</b>    | <b>20.29</b>          | <b>13.12</b>          | <b>0.93</b>     | <b>34.34</b>             | <b>40.00</b>     | <b>5.66</b> |
|              | 67.83           | 18.01                 | 12.10                 | 1.37            | 31.48                    | 40.00            | 8.52        |
|              | 77.53           | 20.40                 | 12.26                 | 1.50            | 34.16                    | 40.00            | 5.84        |
|              | 116.33          | 18.20                 | 11.63                 | 1.83            | 31.66                    | 43.50            | 11.84       |
|              | 174.53          | 15.79                 | 11.20                 | 2.21            | 29.20                    | 43.50            | 14.30       |
|              | 193.93          | 14.38                 | 12.64                 | 2.30            | 29.32                    | 43.50            | 14.18       |

TEST ENGINEER: KEN XU

EUT : LCD Monitor Temperature : 22°C

Model No. : W2042TT Humidity : 60%

Serial No. : E07103102 Date of Test : Nov 07, 2007

Test Mode : DVI 1024\*768@60Hz

| Polarization | Frequency (MHz) | Meter Reading dB (μV) | Antenna Factor (dB/m) | Cable Loss (dB) | Emission Level dB (μV/m) | Limits dB (μV/m) | Margin (dB) |
|--------------|-----------------|-----------------------|-----------------------|-----------------|--------------------------|------------------|-------------|
| Horizontal   | 31.94           | 13.81                 | 15.50                 | 0.92            | 30.23                    | 40.00            | 9.77        |
|              | 35.82           | 17.80                 | 10.71                 | 0.94            | 29.45                    | 40.00            | 10.55       |
|              | 75.59           | 11.71                 | 12.29                 | 1.47            | 25.47                    | 40.00            | 14.53       |
|              | 174.53          | 18.40                 | 11.20                 | 2.21            | 31.81                    | 43.50            | 11.69       |
|              | 194.90          | 17.88                 | 12.74                 | 2.30            | 32.92                    | 43.50            | 10.58       |
|              | <b>232.73</b>   | <b>21.48</b>          | <b>13.60</b>          | <b>2.64</b>     | <b>37.72</b>             | <b>46.00</b>     | <b>8.28</b> |
| Vertical     | <b>30.97</b>    | <b>17.81</b>          | <b>16.76</b>          | <b>0.91</b>     | <b>35.48</b>             | <b>40.00</b>     | <b>4.52</b> |
|              | 35.82           | 23.17                 | 10.71                 | 0.94            | 34.82                    | 40.00            | 5.18        |
|              | 75.59           | 20.82                 | 12.29                 | 1.47            | 34.58                    | 40.00            | 5.42        |
|              | 116.33          | 18.36                 | 11.63                 | 1.83            | 31.82                    | 43.50            | 11.68       |
|              | 174.53          | 17.77                 | 11.20                 | 2.21            | 31.18                    | 43.50            | 12.32       |
|              | 232.73          | 14.76                 | 13.60                 | 2.64            | 31.00                    | 46.00            | 15.00       |

TEST ENGINEER: KEN XU

EUT : LCD Monitor Temperature : 22°C

Model No. : W2042TT Humidity : 60%

Serial No. : E07103102 Date of Test : Nov 07, 2007

Test Mode : DVI 1680\*1050@60Hz

| Polarization | Frequency (MHz) | Meter Reading dB (μV) | Antenna Factor (dB/m) | Cable Loss (dB) | Emission Level dB (μV/m) | Limits dB (μV/m) | Margin (dB) |
|--------------|-----------------|-----------------------|-----------------------|-----------------|--------------------------|------------------|-------------|
| Horizontal   | 31.94           | 13.81                 | 15.50                 | 0.92            | 30.23                    | 40.00            | 9.77        |
|              | 116.33          | 13.90                 | 11.63                 | 1.83            | 27.36                    | 43.50            | 16.14       |
|              | 174.53          | 18.40                 | 11.20                 | 2.21            | 31.81                    | 43.50            | 11.69       |
|              | 213.33          | 21.39                 | 13.30                 | 2.48            | 37.17                    | 43.50            | 6.33        |
|              | 232.73          | 21.48                 | 13.60                 | 2.64            | 37.72                    | 46.00            | 8.28        |
|              | <b>596.48</b>   | <b>15.99</b>          | <b>20.90</b>          | <b>4.23</b>     | <b>41.12</b>             | <b>46.00</b>     | <b>4.88</b> |
| Vertical     | <b>35.82</b>    | <b>24.18</b>          | <b>10.71</b>          | <b>0.94</b>     | <b>35.83</b>             | <b>40.00</b>     | <b>4.17</b> |
|              | 75.59           | 20.82                 | 12.29                 | 1.47            | 34.58                    | 40.00            | 5.42        |
|              | 116.33          | 18.36                 | 11.63                 | 1.83            | 31.82                    | 43.50            | 11.68       |
|              | 174.53          | 18.70                 | 11.20                 | 2.21            | 32.11                    | 43.50            | 11.39       |
|              | 232.73          | 14.76                 | 13.60                 | 2.64            | 31.00                    | 46.00            | 15.00       |
|              | 526.64          | 14.97                 | 20.29                 | 4.06            | 39.32                    | 46.00            | 6.68        |

TEST ENGINEER: KEN XU

EUT : LCD Monitor Temperature : 22°C

Model No. : W2042TT Humidity : 60%

Serial No. : E07103102 Date of Test : Nov 07, 2007

Test Mode : DVI 1680\*1050@60Hz

| Polarization | Frequency (MHz) | Meter Reading dB (μV) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamplifier Factor (dB) | Emission Level dB (μV/m) | Limits dB (μV/m) | Margin (dB)  | Remark |
|--------------|-----------------|-----------------------|-----------------------|-----------------|--------------------------|--------------------------|------------------|--------------|--------|
| Horizontal   | <b>1085.00</b>  | <b>50.08</b>          | <b>24.51</b>          | <b>6.85</b>     | <b>37.47</b>             | <b>43.97</b>             | <b>74.00</b>     | <b>30.03</b> | PK     |
|              | 1199.00         | 44.36                 | 25.02                 | 7.07            | 37.17                    | 39.28                    | 74.00            | 34.72        |        |
|              | 1342.00         | 43.19                 | 25.59                 | 7.75            | 36.85                    | 39.68                    | 74.00            | 34.32        |        |
|              | 1460.00         | 46.02                 | 26.01                 | 8.26            | 36.61                    | 43.68                    | 74.00            | 30.32        |        |
|              | 1585.00         | 44.04                 | 26.42                 | 8.71            | 36.37                    | 42.80                    | 74.00            | 31.20        |        |
|              | 1726.00         | 42.42                 | 26.86                 | 9.07            | 36.12                    | 42.23                    | 74.00            | 31.77        |        |
| Vertical     | 1082.00         | 48.41                 | 24.49                 | 6.85            | 37.47                    | 42.28                    | 74.00            | 31.72        | PK     |
|              | 1297.00         | 48.57                 | 25.41                 | 7.58            | 36.95                    | 44.61                    | 74.00            | 29.39        |        |
|              | 1404.00         | 46.98                 | 25.81                 | 8.01            | 36.72                    | 44.08                    | 74.00            | 29.92        |        |
|              | 1561.00         | 44.50                 | 26.35                 | 8.57            | 36.41                    | 43.01                    | 74.00            | 30.99        |        |
|              | 1735.00         | 42.97                 | 26.89                 | 9.15            | 36.11                    | 42.90                    | 74.00            | 31.10        |        |
|              | <b>1837.00</b>  | <b>44.11</b>          | <b>27.16</b>          | <b>9.48</b>     | <b>35.94</b>             | <b>44.81</b>             | <b>74.00</b>     | <b>29.19</b> |        |
|              | 1082.00         | 48.41                 | 24.49                 | 6.85            | 37.47                    | 42.28                    | 74.00            | 31.72        |        |

TEST ENGINEER: KEN XU

EUT : LCD Monitor Temperature : 22°C

Model No. : W2042ST Humidity : 60%

Serial No. : E07103101 Date of Test : Nov 07, 2007

Test Mode : VGA 640\*480@60Hz

| Polarization | Frequency (MHz) | Meter Reading dB (μV) | Antenna Factor (dB/m) | Cable Loss (dB) | Emission Level dB (μV/m) | Limits dB (μV/m) | Margin (dB) |
|--------------|-----------------|-----------------------|-----------------------|-----------------|--------------------------|------------------|-------------|
| Horizontal   | 31.94           | 11.26                 | 15.50                 | 0.92            | 27.68                    | 40.00            | 12.32       |
|              | 81.41           | 12.90                 | 12.03                 | 1.53            | 26.46                    | 40.00            | 13.54       |
|              | 125.06          | 12.43                 | 12.06                 | 1.90            | 26.39                    | 43.50            | 17.11       |
|              | <b>189.08</b>   | <b>24.88</b>          | <b>12.30</b>          | <b>2.28</b>     | <b>39.46</b>             | <b>43.50</b>     | <b>4.04</b> |
|              | 230.79          | 23.15                 | 13.58                 | 2.64            | 39.37                    | 46.00            | 6.63        |
|              | 600.36          | 7.93                  | 20.92                 | 4.23            | 33.08                    | 46.00            | 12.92       |
| Vertical     | 36.79           | 20.97                 | 9.56                  | 0.94            | 31.47                    | 40.00            | 8.53        |
|              | 89.17           | 19.35                 | 10.99                 | 1.60            | 31.94                    | 43.50            | 11.56       |
|              | 125.06          | 17.96                 | 12.06                 | 1.90            | 31.92                    | 43.50            | 11.58       |
|              | <b>188.11</b>   | <b>22.35</b>          | <b>12.25</b>          | <b>2.28</b>     | <b>36.88</b>             | <b>43.50</b>     | <b>6.62</b> |
|              | 321.97          | 17.31                 | 14.38                 | 3.23            | 34.92                    | 46.00            | 11.08       |
|              | 438.37          | 15.08                 | 18.83                 | 3.77            | 37.68                    | 46.00            | 8.32        |

TEST ENGINEER: KEN XU

EUT : LCD Monitor Temperature : 22°C

Model No. : W2042ST Humidity : 60%

Serial No. : E07103101 Date of Test : Nov 07, 2007

Test Mode : VGA 1024\*768@60Hz

| Polarization | Frequency (MHz) | Meter Reading dB (μV) | Antenna Factor (dB/m) | Cable Loss (dB) | Emission Level dB (μV/m) | Limits dB (μV/m) | Margin (dB) |
|--------------|-----------------|-----------------------|-----------------------|-----------------|--------------------------|------------------|-------------|
| Horizontal   | 36.34           | 21.98                 | 10.06                 | 0.94            | 32.98                    | 40.00            | 7.02        |
|              | 84.32           | 19.34                 | 11.63                 | 1.56            | 32.53                    | 40.00            | 7.47        |
|              | <b>119.24</b>   | <b>22.34</b>          | <b>11.79</b>          | <b>1.86</b>     | <b>35.99</b>             | <b>40.00</b>     | <b>4.01</b> |
|              | 178.41          | 18.47                 | 11.46                 | 2.23            | 32.16                    | 40.00            | 7.84        |
|              | 306.30          | 24.59                 | 13.57                 | 3.15            | 41.31                    | 47.00            | 5.69        |
|              | 540.34          | 17.12                 | 20.41                 | 4.10            | 41.63                    | 47.00            | 5.37        |
| Vertical     | 35.00           | 21.19                 | 11.86                 | 0.93            | 33.98                    | 40.00            | 6.02        |
|              | 84.32           | 21.34                 | 11.63                 | 1.56            | 34.53                    | 40.00            | 5.47        |
|              | <b>126.90</b>   | <b>22.09</b>          | <b>11.98</b>          | <b>1.92</b>     | <b>35.99</b>             | <b>40.00</b>     | <b>4.01</b> |
|              | 229.40          | 19.48                 | 13.55                 | 2.62            | 35.65                    | 40.00            | 4.35        |
|              | 475.26          | 16.83                 | 19.57                 | 3.91            | 40.31                    | 47.00            | 6.69        |
|              | 608.30          | 15.38                 | 20.95                 | 4.30            | 40.63                    | 47.00            | 6.37        |

TEST ENGINEER: KEN XU

EUT : LCD Monitor Temperature : 22°C

Model No. : W2042ST Humidity : 60%

Serial No. : E07103101 Date of Test : Nov 07, 2007

Test Mode : VGA 1680\*1050@60Hz

| Polarization | Frequency (MHz) | Meter Reading dB (μV) | Antenna Factor (dB/m) | Cable Loss (dB) | Emission Level dB (μV/m) | Limits dB (μV/m) | Margin (dB) |
|--------------|-----------------|-----------------------|-----------------------|-----------------|--------------------------|------------------|-------------|
| Horizontal   | 31.94           | 17.13                 | 15.50                 | 0.92            | 33.55                    | 40.00            | 6.45        |
|              | 40.67           | 24.71                 | 5.88                  | 0.96            | 31.55                    | 40.00            | 8.45        |
|              | 178.41          | 25.82                 | 11.46                 | 2.23            | 39.51                    | 43.50            | 3.99        |
|              | 237.58          | 23.41                 | 13.67                 | 2.68            | 39.76                    | 46.00            | 6.24        |
|              | <b>321.97</b>   | <b>25.16</b>          | <b>14.38</b>          | <b>3.23</b>     | <b>42.77</b>             | <b>46.00</b>     | <b>3.23</b> |
|              | 509.18          | 11.81                 | 20.13                 | 4.02            | 35.96                    | 46.00            | 10.04       |
| Vertical     | 35.82           | 24.33                 | 10.71                 | 0.94            | 35.98                    | 40.00            | 4.02        |
|              | 84.32           | 20.34                 | 11.63                 | 1.56            | 33.53                    | 40.00            | 6.47        |
|              | 119.24          | 20.34                 | 11.79                 | 1.86            | 33.99                    | 43.50            | 9.51        |
|              | 178.41          | 24.47                 | 11.46                 | 2.23            | 38.16                    | 43.50            | 5.34        |
|              | <b>321.97</b>   | <b>24.70</b>          | <b>14.38</b>          | <b>3.23</b>     | <b>42.31</b>             | <b>46.00</b>     | <b>3.69</b> |
|              | 509.18          | 15.48                 | 20.13                 | 4.02            | 39.63                    | 46.00            | 6.37        |

TEST ENGINEER: KEN XU

EUT : LCD Monitor Temperature : 22°C

Model No. : W2042ST Humidity : 60%

Serial No. : E07103101 Date of Test : Nov 07, 2007

Test Mode : VGA 1680\*1050@60Hz

| Polarization | Frequency (MHz) | Meter Reading dB (μV) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamplifier Factor (dB) | Emission Level dB (μV/m) | Limits dB (μV/m) | Margin (dB)  | Remark |
|--------------|-----------------|-----------------------|-----------------------|-----------------|--------------------------|--------------------------|------------------|--------------|--------|
| Horizontal   | 1089.00         | 45.66                 | 24.52                 | 6.89            | 37.46                    | 39.61                    | 74.00            | 34.39        | PK     |
|              | 1227.00         | 44.85                 | 25.14                 | 7.24            | 37.11                    | 40.12                    | 74.00            | 33.88        |        |
|              | 1354.00         | 44.31                 | 25.63                 | 7.84            | 36.83                    | 40.95                    | 74.00            | 33.05        |        |
|              | 1543.00         | 44.57                 | 26.29                 | 8.57            | 36.44                    | 42.99                    | 74.00            | 31.01        |        |
|              | <b>1672.00</b>  | <b>49.61</b>          | <b>26.70</b>          | <b>8.92</b>     | <b>36.21</b>             | <b>49.02</b>             | <b>74.00</b>     | <b>24.98</b> |        |
|              | 1849.00         | 47.99                 | 27.21                 | 9.48            | 35.93                    | 48.75                    | 74.00            | 25.25        |        |
| Vertical     | 1010.00         | 50.30                 | 24.14                 | 6.70            | 37.67                    | 43.47                    | 74.00            | 30.53        | PK     |
|              | 1246.00         | 51.37                 | 25.21                 | 7.33            | 37.07                    | 46.84                    | 74.00            | 27.16        |        |
|              | 1374.00         | 54.14                 | 25.70                 | 7.92            | 36.78                    | 50.98                    | 74.00            | 23.02        |        |
|              | 1493.00         | 50.62                 | 26.13                 | 8.35            | 36.54                    | 48.56                    | 74.00            | 25.44        |        |
|              | 1595.00         | 52.12                 | 26.46                 | 8.71            | 36.35                    | 50.94                    | 74.00            | 23.06        |        |
|              | <b>1661.00</b>  | <b>52.45</b>          | <b>26.67</b>          | <b>8.92</b>     | <b>36.24</b>             | <b>51.80</b>             | <b>74.00</b>     | <b>22.20</b> |        |

TEST ENGINEER: KEN XU

## **5 DEVIATION TO TEST SPECIFICATIONS**

None.

## 6 DEBUG DESCRIPTION

| Name             | M/N   | Specifications<br>(mm) | Manufacturer                        | Location                                                          |
|------------------|-------|------------------------|-------------------------------------|-------------------------------------------------------------------|
| Aluminum<br>foil | T-308 | 50mm*30mm              | DAEHUNG<br>SUBSIDIARY<br>MATERIALS. | See Internal Photos<br>Figure 1, 2, 12, 17, 18,<br>19, 20, 34, 35 |