

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

LCD Monitor

Model No.: W2252TQT, W2252SQT

Serial No.: E07101601, E07101602

FCC ID : BEJW2252TQT

Prepared For : LG Electronics U.S.A Inc.
2000 Millbrook Dr. Lincolnshire,
IL 60069 United States

Prepared By : Audix Technology (Shanghai) Co., Ltd.
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Report No. : ACI-F07043
Date of Test : Oct 17 – 18, 2007
Date of Report : Oct 24, 2007

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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. : W2252TQT, W2252SQT
(B) Serial No. : E07101601, E07101602
(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: W2252TQT, W2252SQT; S/N: E07101601, E07101602) which was tested in 3m anechoic chamber on Oct 17 – 18, 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 : Oct 17 – 18, 2007

Prepared By: Kathy Wang 2007.10.26
KATHY WANG / Assistant

Reviewer: Ian Chien 2007.10.26
IAN CHIEN / Assistant Manager

Approved Signatory:

AUDIX® For and on behalf of
Audix Technology (Shanghai) Co., Ltd.
Byron Kwo
Authorized Signature EMC BYRON KWO / 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
EMISSION			
Conducted Disturbance At main terminal	FCC RULES AND REGULATIONS PART 15 SUBPART B 2007.05 AND ANSI C63.4-2003	Pass	15.107(a) Class B
Radiated Disturbance	FCC RULES AND REGULATIONS PART 15 SUBPART B 2007.05 AND ANSI C63.4-2003	Pass	15.109(a) 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. : W2252TQT, W2252SQT

Serial No. : E07101601, E07101602

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

	W2252TQT	W2252SQT
D-Sub Port	Has	Has
DVI Port	Has	No

Applicant : LG Electronics U.S.A Inc.
2000 Millbrook Dr. Lincolnshire,
IL 60069 United States

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

LCD Panel : Manufacturer: AU Optronics
M/N : M220EW01

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

DVI Cable : Shielded, Detachable, 1.9m, 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 : Unshielded, 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 : Unshielded ,Undetachable, 1.85m.
Certificate : FCC DoC, VCCI, CE/EMC, MIC, GS

2.2.4 Printer

Manufacturer : HP
Model Number : C3990A
Serial Number : JPZX020487
Data Cable : Unshielded, 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 : Unshielded, 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

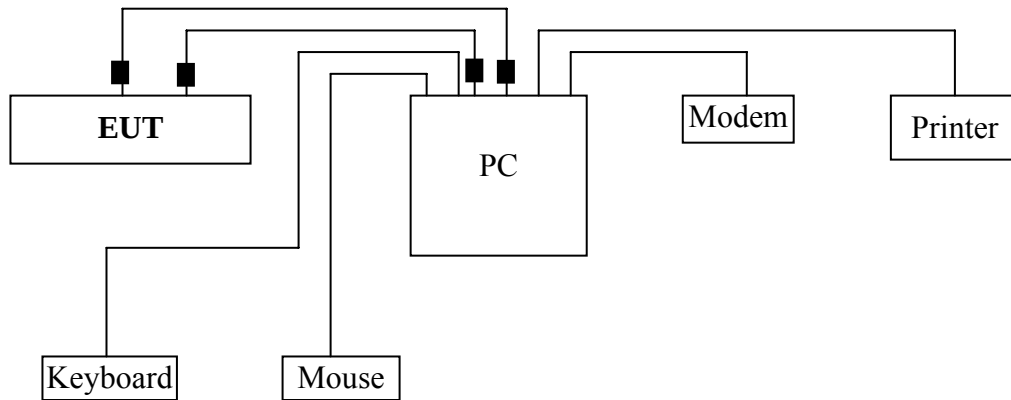
3.1 Test Equipment

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#1)	Kyoritsu	KNW-407	8-1280-5	Apr 06, 2007	Apr 06, 2008
3.	Line Impedance Stabilization Network (LISN#2)	Kyoritsu	KNW-407	8-1280-4	Apr 06, 2007	Apr 06, 2008
4.	50 Ω Coaxial Switch	Anritsu	MP59B	6200426389	Sep 18, 2007	Mar 18, 2008
5.	Software	Audix	E3	SET00200 9804M592	--	--

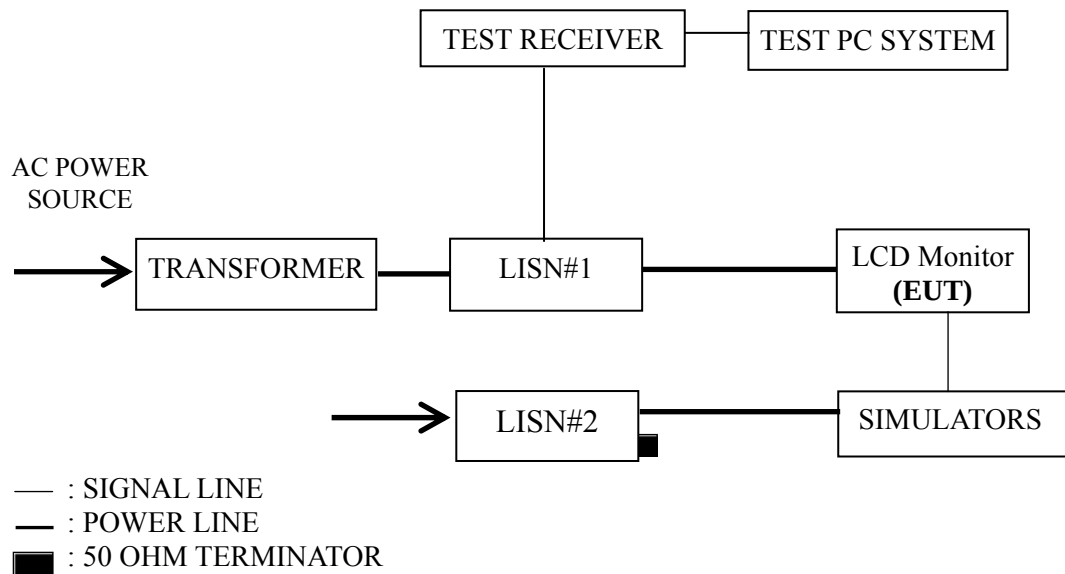
3.2 Block Diagram of Test Setup

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
W2252TQT	VGA 640*480@60Hz
	VGA 1024*768@60Hz
	VGA 1680*1050@60Hz
	DVI 640*480@60Hz
	DVI 1024*768@60Hz
	DVI 1680*1050@60Hz
W2252SQT	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
W2252TQT	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
W2252SQT	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 VGA 1024*768@60Hz mode (M/N:

W2252TQT). The worst emission is detected at 0.6470 MHz with corrected signal level of 32.71 (μV) (limit is 46.00 dB (μV)), when the VA of the EUT is connected to LISN.

EUT : LCD Monitor Temperature : 22°C

Model No. : W2252TQT Humidity : 60%

Serial No. : E07101601 Date of Test : Oct 17, 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	0.1870	43.91	0.71	44.62	64.17	19.55	QP
	0.2490	38.30	0.72	39.02	61.79	22.77	
	0.6470	34.90	0.61	35.51	56.00	20.49	
	2.2400	34.60	0.51	35.11	56.00	20.89	
	5.1400	34.00	0.66	34.66	60.00	25.34	
	8.1900	31.50	0.67	32.17	60.00	27.83	
	0.1870	30.11	0.71	30.82	54.17	23.35	AV
	0.2490	30.30	0.72	31.02	51.79	20.77	
	0.6470	31.00	0.61	31.61	46.00	14.39	
	2.2400	23.50	0.51	24.01	46.00	21.99	
	5.1400	29.00	0.66	29.66	50.00	20.34	
	8.1900	22.60	0.67	23.27	50.00	26.73	
VB	0.1500	41.30	0.53	41.83	66.00	24.17	QP
	0.1810	45.70	0.62	46.32	64.44	18.12	
	0.2450	38.90	0.66	39.56	61.92	22.36	
	0.6470	32.80	0.60	33.40	56.00	22.60	
	7.4900	31.30	0.79	32.09	60.00	27.91	
	22.6600	37.40	1.01	38.41	60.00	21.59	
	0.1500	27.90	0.53	28.43	56.00	27.57	AV
	0.1810	32.00	0.62	32.62	54.44	21.82	
	0.2450	29.70	0.66	30.36	51.92	21.56	
	0.6470	30.60	0.60	31.20	46.00	14.80	
	7.4900	26.00	0.79	26.79	50.00	23.21	
	22.6600	31.30	1.01	32.31	50.00	17.69	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : W2252TQT Humidity : 60%

Serial No. : E07101601 Date of Test : Oct 17, 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	0.1810	43.40	0.71	44.11	64.44	20.33	QP
	0.2510	37.50	0.72	38.22	61.72	23.50	
	0.6470	34.30	0.61	34.91	56.00	21.09	
	2.2500	34.69	0.52	35.21	56.00	20.79	
	5.1400	33.60	0.66	34.26	60.00	25.74	
	22.9000	31.00	0.92	31.92	60.00	28.08	
	0.1810	29.00	0.71	29.71	54.44	24.73	AV
	0.2510	30.30	0.72	31.02	51.72	20.70	
	0.6470	32.10	0.61	32.71	46.00	13.29	
	2.2500	26.29	0.52	26.81	46.00	19.19	
	5.1400	25.00	0.66	25.66	50.00	24.34	
	22.9000	26.00	0.92	26.92	50.00	23.08	
VB	0.1500	41.00	0.53	41.53	66.00	24.47	QP
	0.1870	42.50	0.63	43.13	64.17	21.04	
	0.2490	38.50	0.66	39.16	61.79	22.63	
	0.6470	31.10	0.60	31.70	56.00	24.30	
	4.3600	33.40	0.54	33.94	56.00	22.06	
	22.9000	37.10	1.01	38.11	60.00	21.89	
	0.1500	28.10	0.53	28.63	56.00	27.37	AV
	0.1870	29.60	0.63	30.23	54.17	23.94	
	0.2490	32.00	0.66	32.66	51.79	19.13	
	0.6470	32.00	0.60	32.60	46.00	13.40	
	4.3600	29.00	0.54	29.54	46.00	16.46	
	22.9000	31.00	1.01	32.01	50.00	17.99	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : W2252TQT Humidity : 60%

Serial No. : E07101601 Date of Test : Oct 17, 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	0.1500	41.10	0.66	41.76	66.00	24.24	QP
	0.1810	42.20	0.71	42.91	64.44	21.53	
	0.2490	37.20	0.72	37.92	61.79	23.87	
	0.6470	33.10	0.61	33.71	56.00	22.29	
	2.2500	35.99	0.52	36.51	56.00	19.49	
	2.9000	34.41	0.56	34.97	56.00	21.03	
	0.1500	31.00	0.66	31.66	56.00	24.34	AV
	0.1810	26.90	0.71	27.61	54.44	26.83	
	0.2490	32.00	0.72	32.72	51.79	19.07	
	0.6470	31.00	0.61	31.61	46.00	14.39	
	2.2500	25.99	0.52	26.51	46.00	19.49	
	2.9000	30.01	0.56	30.57	46.00	15.43	
VB	0.1520	40.50	0.53	41.03	65.89	24.86	QP
	0.1840	42.21	0.62	42.83	64.30	21.47	
	0.2500	38.40	0.66	39.06	61.76	22.70	
	0.6470	30.50	0.60	31.10	56.00	24.90	
	4.3600	34.00	0.54	34.54	56.00	21.46	
	20.1600	36.00	1.02	37.02	60.00	22.98	
	0.1520	27.30	0.53	27.83	55.89	28.06	AV
	0.1840	29.11	0.62	29.73	54.30	24.57	
	0.2500	31.60	0.66	32.26	51.76	19.50	
	0.6470	27.90	0.60	28.50	46.00	17.50	
	4.3600	26.00	0.54	26.54	46.00	19.46	
	20.1600	29.20	1.02	30.22	50.00	19.78	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : W2252TQT Humidity : 60%

Serial No. : E07101601 Date of Test : Oct 17, 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	0.1507	42.60	0.66	43.26	65.96	22.70	QP
	0.1810	40.60	0.71	41.31	64.44	23.13	
	0.2450	35.00	0.72	35.72	61.92	26.20	
	0.5490	34.70	0.64	35.34	56.00	20.66	
	0.6540	34.71	0.60	35.31	56.00	20.69	
	2.1700	35.00	0.50	35.50	56.00	20.50	
	0.1507	30.20	0.66	30.86	55.96	25.10	AV
	0.1810	26.50	0.71	27.21	54.44	27.23	
	0.2450	26.60	0.72	27.32	51.92	24.60	
	0.5490	27.50	0.64	28.14	46.00	17.86	
	0.6540	30.91	0.60	31.51	46.00	14.49	
	2.1700	25.50	0.50	26.00	46.00	20.00	
VB	0.1507	42.30	0.53	42.83	65.96	23.13	QP
	0.1880	39.41	0.63	40.04	64.12	24.08	
	0.2540	36.70	0.66	37.36	61.63	24.27	
	2.1100	30.00	0.52	30.52	56.00	25.48	
	3.7200	34.00	0.54	34.54	56.00	21.46	
	21.6000	37.60	1.01	38.61	60.00	21.39	
	0.1507	29.00	0.53	29.53	55.96	26.43	AV
	0.1880	26.91	0.63	27.54	54.12	26.58	
	0.2540	30.10	0.66	30.76	51.63	20.87	
	2.1100	26.90	0.52	27.42	46.00	18.58	
	3.7200	29.10	0.54	29.64	46.00	16.36	
	21.6000	30.60	1.01	31.61	50.00	18.39	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : W2252TQT Humidity : 60%

Serial No. : E07101601 Date of Test : Oct 17, 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	0.1507	42.50	0.66	43.16	65.96	22.80	QP
	0.1930	39.61	0.72	40.33	63.91	23.58	
	0.2460	35.40	0.72	36.12	61.89	25.77	
	0.5490	34.60	0.64	35.24	56.00	20.76	
	0.6470	31.30	0.61	31.91	56.00	24.09	
	2.1300	37.10	0.50	37.60	56.00	18.40	
	0.1507	30.10	0.66	30.76	55.96	25.20	AV
	0.1930	26.91	0.72	27.63	53.91	26.28	
	0.2460	28.20	0.72	28.92	51.89	22.97	
	0.5490	27.40	0.64	28.04	46.00	17.96	
	0.6470	23.90	0.61	24.51	46.00	21.49	
	2.1300	26.20	0.50	26.70	46.00	19.30	
VB	0.1524	42.30	0.54	42.84	65.87	23.03	QP
	0.1870	39.50	0.63	40.13	64.17	24.04	
	0.2460	36.10	0.66	36.76	61.89	25.13	
	2.1100	30.30	0.52	30.82	56.00	25.18	
	3.7200	33.90	0.54	34.44	56.00	21.56	
	21.4900	35.90	1.01	36.91	60.00	23.09	
	0.1524	28.10	0.54	28.64	55.87	27.23	AV
	0.1870	27.10	0.63	27.73	54.17	26.44	
	0.2460	29.50	0.66	30.16	51.89	21.73	
	2.1100	26.80	0.52	27.32	46.00	18.68	
	3.7200	24.50	0.54	25.04	46.00	20.96	
	21.4900	28.90	1.01	29.91	50.00	20.09	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : W2252TQT Humidity : 60%

Serial No. : E07101601 Date of Test : Oct 17, 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	0.1507	41.80	0.66	42.46	65.96	23.50	QP
	0.1850	39.61	0.71	40.32	64.26	23.94	
	0.2416	35.20	0.72	35.92	62.04	26.12	
	1.9800	34.50	0.48	34.98	56.00	21.02	
	2.1800	34.80	0.50	35.30	56.00	20.70	
	2.8100	33.90	0.56	34.46	56.00	21.54	
	0.1507	30.30	0.66	30.96	55.96	25.00	AV
	0.1850	27.91	0.71	28.62	54.26	25.64	
	0.2416	22.00	0.72	22.72	52.04	29.32	
	1.9800	25.40	0.48	25.88	46.00	20.12	
	2.1800	24.50	0.50	25.00	46.00	21.00	
	2.8100	25.40	0.56	25.96	46.00	20.04	
VB	0.1500	42.70	0.53	43.23	66.00	22.77	QP
	0.5490	31.10	0.63	31.73	56.00	24.27	
	0.8040	31.29	0.58	31.87	56.00	24.13	
	2.1700	26.30	0.52	26.82	56.00	29.18	
	3.7200	34.30	0.54	34.84	56.00	21.16	
	21.8300	37.80	1.01	38.81	60.00	21.19	
	3.7200	29.70	0.54	30.24	46.00	15.76	AV
	0.1500	29.10	0.53	29.63	56.00	26.37	
	0.5490	26.30	0.63	26.93	46.00	19.07	
	0.8040	25.69	0.58	26.27	46.00	19.73	
	2.1700	14.10	0.52	14.62	46.00	31.38	
	21.8300	31.30	1.01	32.31	50.00	17.69	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : W2252SQT Humidity : 60%

Serial No. : E07101602 Date of Test : Oct 17, 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	0.185	39.71	0.71	40.42	64.26	23.84	QP
	0.257	36.40	0.72	37.12	61.53	24.41	
	0.664	35.60	0.60	36.20	56.00	19.80	
	2.130	35.20	0.50	35.70	56.00	20.30	
	5.140	32.50	0.66	33.16	60.00	26.84	
	22.180	30.50	0.91	31.41	60.00	28.59	
	0.185	26.71	0.71	27.42	54.26	26.84	AV
	0.257	30.80	0.72	31.52	51.53	20.01	
	0.664	30.70	0.60	31.30	46.00	14.70	
	2.130	24.50	0.50	25.00	46.00	21.00	
	5.140	23.60	0.66	24.26	50.00	25.74	
	22.180	24.00	0.91	24.91	50.00	25.09	
VB	0.159	40.70	0.56	41.26	65.52	24.26	QP
	0.188	39.51	0.63	40.14	64.12	23.98	
	0.245	36.10	0.66	36.76	61.92	25.16	
	0.664	33.10	0.59	33.69	56.00	22.31	
	4.290	32.00	0.54	32.54	56.00	23.46	
	22.180	36.60	1.01	37.61	60.00	22.39	
	0.159	27.20	0.56	27.76	55.52	27.76	AV
	0.188	21.91	0.63	22.54	54.12	31.58	
	0.245	27.38	0.66	28.04	51.92	23.88	
	0.664	32.00	0.59	32.59	46.00	13.41	
	4.290	29.00	0.54	29.54	46.00	16.46	
	22.180	30.40	1.01	31.41	50.00	18.59	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : W2252SQT Humidity : 60%

Serial No. : E07101602 Date of Test : Oct 17, 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	0.1500	41.20	0.66	41.86	66.00	24.14	QP
	0.1910	39.40	0.72	40.12	63.99	23.87	
	0.2570	36.40	0.72	37.12	61.53	24.41	
	2.1300	35.10	0.50	35.60	56.00	20.40	
	4.9500	32.40	0.66	33.06	56.00	22.94	
	5.8000	33.00	0.67	33.67	60.00	26.33	
	0.1500	29.00	0.66	29.66	56.00	26.34	AV
	0.1910	27.00	0.72	27.72	53.99	26.27	
	0.2570	30.00	0.72	30.72	51.53	20.81	
	2.1300	25.10	0.50	25.60	46.00	20.40	
	4.9500	28.00	0.66	28.66	46.00	17.34	
	5.8000	26.50	0.67	27.17	50.00	22.83	
VB	0.1650	40.71	0.57	41.28	65.21	23.93	QP
	0.2490	37.70	0.66	38.36	61.79	23.43	
	0.4020	31.99	0.66	32.65	57.81	25.16	
	0.6640	33.40	0.59	33.99	56.00	22.01	
	3.5700	32.40	0.54	32.94	56.00	23.06	
	22.1800	36.50	1.01	37.51	60.00	22.49	
	0.1650	29.01	0.57	29.58	55.21	25.63	AV
	0.2490	31.00	0.66	31.66	51.79	20.13	
	0.4020	25.99	0.66	26.65	47.81	21.16	
	0.6640	31.10	0.59	31.69	46.00	14.31	
	3.5700	29.00	0.54	29.54	46.00	16.46	
	22.1800	32.00	1.01	33.01	50.00	16.99	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : W2252SQT Humidity : 60%

Serial No. : E07101602 Date of Test : Oct 17, 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	0.1540	40.60	0.67	41.27	65.78	24.51	QP
	0.2020	38.99	0.74	39.73	63.53	23.80	
	0.2770	33.00	0.71	33.71	60.91	27.20	
	1.9300	33.99	0.49	34.48	56.00	21.52	
	2.2700	34.00	0.52	34.52	56.00	21.48	
	4.8200	33.59	0.66	34.25	56.00	21.75	
	0.1540	29.00	0.67	29.67	55.78	26.11	AV
	0.2020	25.29	0.74	26.03	53.53	27.50	
	0.2770	19.00	0.71	19.71	50.91	31.20	
	1.9300	25.99	0.49	26.48	46.00	19.52	
	2.2700	27.40	0.52	27.92	46.00	18.08	
	4.8200	26.29	0.66	26.95	46.00	19.05	
VB	0.1650	40.51	0.57	41.08	65.21	24.13	QP
	0.2570	38.00	0.66	38.66	61.53	22.87	
	0.3870	30.69	0.66	31.35	58.13	26.78	
	0.6640	32.74	0.59	33.33	56.00	22.67	
	3.4500	29.30	0.54	29.84	56.00	26.16	
	22.1800	36.50	1.01	37.51	60.00	22.49	
	0.1650	31.01	0.57	31.58	55.21	23.63	AV
	0.2570	30.30	0.66	30.96	51.53	20.57	
	0.3870	22.99	0.66	23.65	48.13	24.48	
	0.6640	31.00	0.59	31.59	46.00	14.41	
	3.4500	20.00	0.54	20.54	46.00	25.46	
	22.1800	31.00	1.01	32.01	50.00	17.99	

TEST ENGINEER: RAVEN JIN

4 RADIATED EMISSION TEST

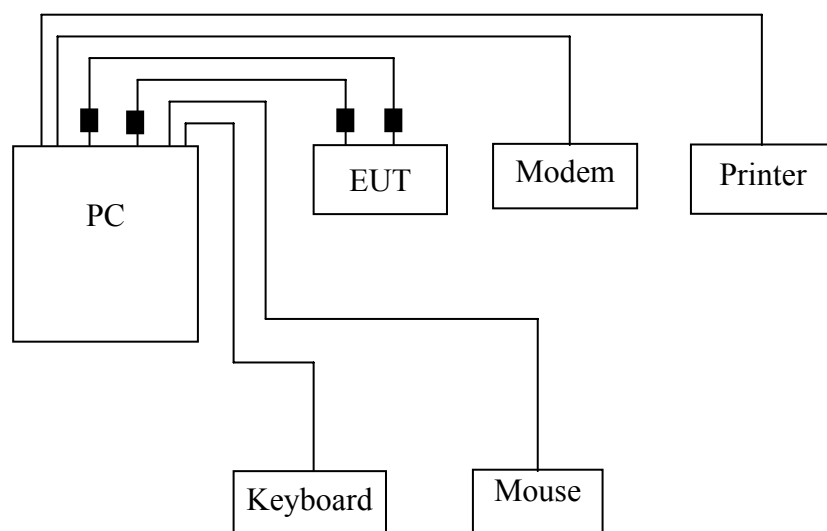
4.1 Test Equipment

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 9912M295-2	--	--

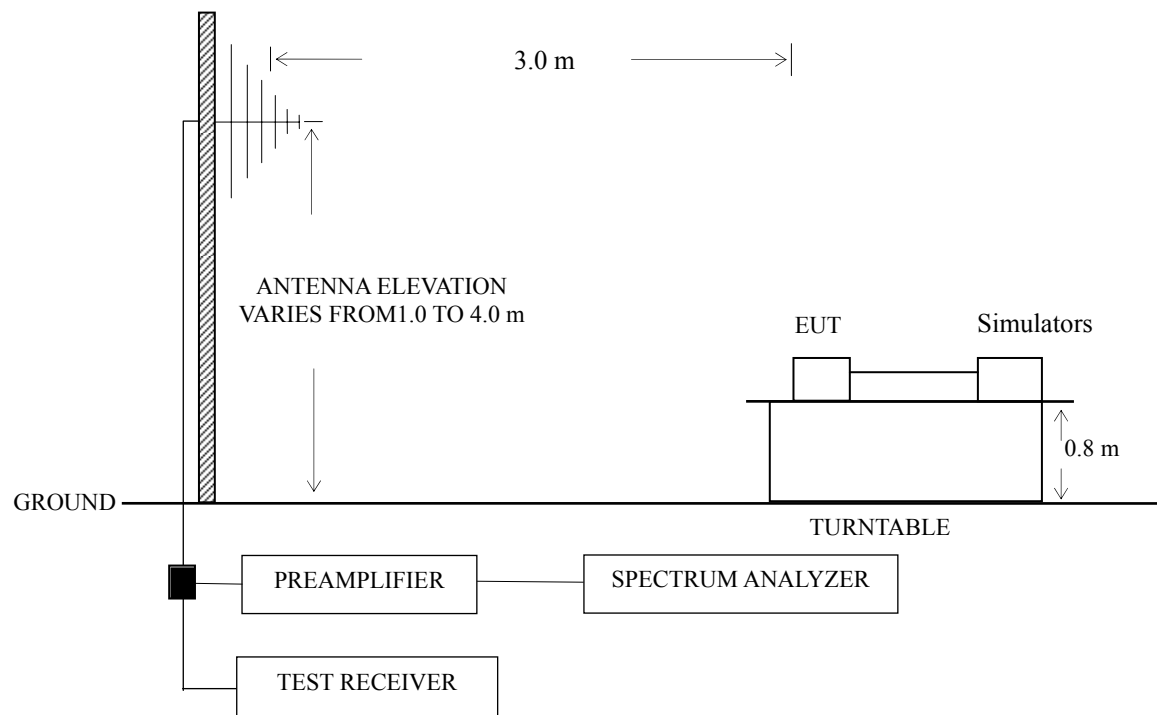
4.2 Block Diagram of Test Setup

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 (MHz)	Distance (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.

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.

The test modes are as follows:

Model Number	Test Mode
W2252TQT	VGA 640*480@60Hz
	VGA 1024*768@60Hz
	VGA 1680*1050@60Hz
	DVI 640*480@60Hz
	DVI 1024*768@60Hz
	DVI 1680*1050@60Hz
W2252SQT	VGA 640*480@60Hz
	VGA 1024*768@60Hz
	VGA 1680*1050@60Hz

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
W2252TQT	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
W2252SQT	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° was the table front facing the antenna. Degree is calculated from 0° 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 (low frequency, M/N: W2252TQT). The worst emission at horizontal polarization was detected at 594.54 MHz with corrected signal level of 39.99 dB ($\mu\text{V/m}$) (limit is 46.00 dB ($\mu\text{V/m}$)), when the antenna was 1.30 m height and the turntable was at 310° . The worst emission at vertical polarization was detected at 586.32 MHz with corrected signal level of 45.02 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 58° .

EUT : LCD Monitor Temperature : 22°C

Model No. : W2252TQT Humidity : 60%

Serial No. : E07101601 Date of Test : Oct 18, 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	127.00	16.82	11.96	1.92	30.70	43.50	12.80
	144.46	18.66	11.21	2.04	31.91	43.50	11.59
	190.05	18.44	12.35	2.29	33.08	43.50	10.42
	437.40	12.44	18.79	3.75	34.98	46.00	11.02
	568.35	14.15	20.66	4.16	38.97	46.00	7.03
	872.93	11.22	23.13	5.60	39.95	46.00	6.05
Vertical	35.82	20.28	10.71	0.94	31.93	40.00	8.07
	147.37	20.86	11.08	2.06	34.00	43.50	9.50
	249.22	12.01	13.84	2.79	28.64	46.00	17.36
	437.40	10.97	18.79	3.75	33.51	46.00	12.49
	533.43	10.73	20.36	4.07	35.16	46.00	10.84
	569.32	18.91	20.66	4.16	43.73	46.00	2.27

TEST ENGINEER: KEN XU

EUT : LCD Monitor Temperature : 22°C

Model No. : W2252TQT Humidity : 60%

Serial No. : E07101601 Date of Test : Oct 18, 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	151.25	20.84	10.99	2.09	33.92	43.50	9.58
	182.29	21.95	11.80	2.25	36.00	43.50	7.50
	243.40	15.63	13.76	2.75	32.14	46.00	13.86
	419.94	14.85	18.44	3.69	36.98	46.00	9.02
	602.30	11.78	20.93	4.27	36.98	46.00	9.02
	849.65	9.67	23.34	5.55	38.56	46.00	7.44
Vertical	35.82	19.79	10.71	0.94	31.44	40.00	8.56
	72.68	17.76	12.33	1.44	31.53	40.00	8.47
	145.43	19.21	11.17	2.05	32.43	43.50	11.07
	243.40	13.39	13.76	2.75	29.90	46.00	16.10
	424.79	10.26	18.53	3.70	32.49	46.00	13.51
	546.36	17.99	20.48	4.11	42.58	46.00	3.42

TEST ENGINEER: KEN XU

EUT : LCD Monitor Temperature : 22°C

Model No. : W2252TQT Humidity : 60%

Serial No. : E07101601 Date of Test : Oct 18, 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	71.71	14.43	12.34	1.43	28.20	40.00	11.80
	142.52	22.18	11.29	2.03	35.50	43.50	8.00
	179.38	21.26	11.56	2.24	35.06	43.50	8.44
	237.58	21.19	13.67	2.68	37.54	46.00	8.46
	412.18	15.29	18.24	3.65	37.18	46.00	8.82
	594.54	14.88	20.89	4.22	39.99	46.00	6.01
Vertical	71.71	20.26	12.34	1.43	34.03	40.00	5.97
	140.58	24.17	11.37	2.01	37.55	43.50	5.95
	235.64	19.81	13.65	2.68	36.14	46.00	9.86
	471.35	11.73	19.51	3.89	35.13	46.00	10.87
	536.34	13.04	20.37	4.08	37.49	46.00	8.51
	586.32	20.00	20.82	4.20	45.02	46.00	0.98

TEST ENGINEER: KEN XU

EUT : LCD Monitor Temperature : 22°C

Model No. : W2252TQT Humidity : 60%

Serial No. : E07101601 Date of Test : Oct 18, 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	1008.00	63.82	24.14	6.70	37.67	56.99	74.00	17.01	PK
	1063.00	60.13	24.41	6.82	37.53	53.83	74.00	20.17	
	1102.00	58.71	24.60	6.89	37.42	52.78	74.00	21.22	
	1194.00	59.28	24.99	7.07	37.19	54.15	74.00	19.85	
	1265.00	55.60	25.28	7.41	37.02	51.27	74.00	22.73	
	1334.00	55.20	25.56	7.75	36.87	51.64	74.00	22.36	
Vertical	1013.00	62.06	24.16	6.73	37.67	55.28	74.00	18.72	PK
	1081.00	58.49	24.49	6.85	37.47	52.36	74.00	21.64	
	1183.00	57.71	24.95	7.04	37.22	52.48	74.00	21.52	
	1283.00	56.69	25.35	7.50	36.98	52.56	74.00	21.44	
	1363.00	55.21	25.66	7.84	36.81	51.90	74.00	22.10	
	1525.00	54.45	26.23	8.50	36.48	52.70	74.00	21.30	

TEST ENGINEER: KEN XU

EUT : LCD Monitor Temperature : 22°C

Model No. : W2252TQT Humidity : 60%

Serial No. : E07101601 Date of Test : Oct 18, 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	568.57	18.64	20.66	4.16	43.46	46.00	2.54
	151.25	19.38	10.99	2.09	32.46	43.50	11.04
	190.05	22.81	12.35	2.29	37.45	43.50	6.05
	443.22	9.64	18.92	3.79	32.35	46.00	13.65
	624.61	15.25	21.00	4.38	40.63	46.00	5.37
	759.44	10.12	22.90	5.15	38.17	46.00	7.83
Vertical	126.03	23.01	12.02	1.91	36.94	43.50	6.56
	188.11	23.80	12.25	2.28	38.33	43.50	5.17
	437.40	12.47	18.79	3.75	35.01	46.00	10.99
	562.98	20.18	20.61	4.15	44.94	46.00	1.06
	624.61	16.23	21.00	4.38	41.61	46.00	4.39
	873.90	10.85	23.10	5.60	39.55	46.00	6.45

TEST ENGINEER: KEN XU

EUT : LCD Monitor Temperature : 22°C

Model No. : W2252TQT Humidity : 60%

Serial No. : E07101601 Date of Test : Oct 18, 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	30.00	11.03	18.02	0.91	29.96	40.00	10.04
	182.29	22.83	11.80	2.25	36.88	43.50	6.62
	324.88	20.09	14.50	3.25	37.84	46.00	8.16
	454.86	13.36	19.15	3.82	36.33	46.00	9.67
	543.13	13.19	20.44	4.10	37.73	46.00	8.27
	649.83	13.38	21.07	4.53	38.98	46.00	7.02
	849.65	8.13	23.34	5.55	37.02	46.00	8.98
Vertical	548.60	20.40	20.49	4.11	45.00	46.00	1.00
	607.15	18.13	20.95	4.30	43.38	46.00	2.62
	120.21	19.59	11.83	1.86	33.28	43.50	10.22
	181.32	22.98	11.70	2.24	36.92	43.50	6.58
	454.86	16.09	19.15	3.82	39.06	46.00	6.94
	649.83	14.41	21.07	4.53	40.01	46.00	5.99

TEST ENGINEER: KEN XU

EUT : LCD Monitor Temperature : 22°C

Model No. : W2252TQT Humidity : 60%

Serial No. : E07101601 Date of Test : Oct 18, 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	150.28	20.78	10.99	2.08	33.85	43.50	9.65
	174.53	25.14	11.20	2.21	38.55	43.50	4.95
	542.16	15.47	20.42	4.10	39.99	46.00	6.01
	594.54	18.86	20.89	4.22	43.97	46.00	2.03
	661.47	14.38	21.10	4.60	40.08	46.00	5.92
	779.81	10.58	23.39	5.28	39.25	46.00	6.75
Vertical	173.56	24.30	11.20	2.21	37.71	43.50	5.79
	230.79	19.82	13.58	2.64	36.04	46.00	9.96
	476.20	16.00	19.57	3.91	39.48	46.00	6.52
	524.70	15.24	20.27	4.06	39.57	46.00	6.43
	594.96	19.80	20.89	4.23	44.92	46.00	1.08
	713.85	15.61	21.62	4.90	42.13	46.00	3.87

TEST ENGINEER: KEN XU

EUT : LCD Monitor Temperature : 22°C

Model No. : W2252TQT Humidity : 60%

Serial No. : E07101601 Date of Test : Oct 18, 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	1034.00	59.15	24.27	6.76	37.60	52.58	74.00	21.42	PK
	1127.00	57.74	24.70	6.95	37.35	52.04	74.00	21.96	
	1173.00	56.90	24.90	7.04	37.24	51.60	74.00	22.40	
	1300.00	55.53	25.43	7.58	36.94	51.60	74.00	22.40	
	1418.00	54.92	25.86	8.09	36.69	52.18	74.00	21.82	
	1585.00	54.11	26.42	8.71	36.37	52.87	74.00	21.13	
Vertical	1005.00	61.51	24.13	6.70	37.68	54.66	74.00	19.34	PK
	1061.00	60.32	24.39	6.82	37.53	54.00	74.00	20.00	
	1161.00	61.39	24.86	7.01	37.27	55.99	74.00	18.01	
	1329.00	55.86	25.53	7.66	36.88	52.17	74.00	21.83	
	1418.00	54.92	25.86	8.09	36.69	52.18	74.00	21.82	
	1572.00	54.40	26.39	8.64	36.39	53.04	74.00	20.96	

TEST ENGINEER: KEN XU

EUT : LCD Monitor Temperature : 22°C

Model No. : W2252SQT Humidity : 60%

Serial No. : E07101602 Date of Test : Oct 18, 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	34.85	17.84	12.00	0.93	30.77	40.00	9.23
	126.03	18.89	12.02	1.91	32.82	43.50	10.68
	188.11	20.14	12.25	2.28	34.67	43.50	8.83
	439.34	15.13	18.83	3.77	37.73	46.00	8.27
	687.66	10.13	21.17	4.75	36.05	46.00	9.95
	750.71	12.30	22.62	5.11	40.03	46.00	5.97
Vertical	69.77	22.70	12.34	1.41	36.45	40.00	3.55
	125.06	22.15	12.06	1.90	36.11	43.50	7.39
	440.31	16.97	18.86	3.77	39.60	46.00	6.40
	504.33	19.30	20.08	4.00	43.38	46.00	2.62
	566.41	15.99	20.65	4.16	40.80	46.00	5.20
	755.56	11.78	22.76	5.15	39.69	46.00	6.31

TEST ENGINEER: KEN XU

EUT : LCD Monitor Temperature : 22°C

Model No. : W2252SQT Humidity : 60%

Serial No. : E07101602 Date of Test : Oct 18, 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	191.02	17.10	12.45	2.29	31.84	43.50	11.66
	215.27	13.11	13.34	2.50	28.95	43.50	14.55
	415.09	7.08	18.31	3.67	29.06	46.00	16.94
	475.23	6.37	19.57	3.91	29.85	46.00	16.15
	709.00	11.99	21.48	4.86	38.33	46.00	7.67
	767.20	11.38	23.04	5.19	39.61	46.00	6.39
Vertical	35.82	23.64	10.71	0.94	35.29	40.00	4.71
	65.89	22.54	11.83	1.34	35.71	40.00	4.29
	71.71	20.46	12.34	1.43	34.23	40.00	5.77
	125.06	17.3	12.06	1.90	31.26	43.50	12.24
	190.05	18.04	12.35	2.29	32.68	43.50	10.82
	475.23	16.47	19.57	3.91	39.95	46.00	6.05

TEST ENGINEER: KEN XU

EUT : LCD Monitor Temperature : 22°C

Model No. : W2252SQT Humidity : 60%

Serial No. : E07101602 Date of Test : Oct 18, 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	72.68	13.07	12.33	1.44	26.84	40.00	13.16
	182.29	20.30	11.80	2.25	34.35	43.50	9.15
	191.02	18.32	12.45	2.29	33.06	43.50	10.44
	727.43	11.45	21.98	4.99	38.42	46.00	7.58
	781.75	9.71	23.47	5.28	38.46	46.00	7.54
	851.59	9.65	23.34	5.55	38.54	46.00	7.46
Vertical	64.92	22.29	11.72	1.32	35.33	40.00	4.67
	121.18	18.52	11.88	1.87	32.27	43.50	11.23
	190.05	16.54	12.35	2.29	31.18	43.50	12.32
	483.96	16.90	19.74	3.94	40.58	46.00	5.42
	542.16	15.32	20.42	4.10	39.84	46.00	6.16
	781.75	10.42	23.47	5.28	39.17	46.00	6.83

TEST ENGINEER: KEN XU

EUT : LCD Monitor Temperature : 22°C

Model No. : W2252SQT Humidity : 60%

Serial No. : E07101602 Date of Test : Oct 18, 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	1062.00	58.99	24.41	6.82	37.53	52.69	74.00	21.31	PK
	1129.00	57.66	24.71	6.95	37.35	51.97	74.00	22.03	
	1182.00	58.03	24.95	7.04	37.22	52.80	74.00	21.20	
	1298.00	56.42	25.41	7.58	36.95	52.46	74.00	21.54	
	1366.00	54.12	25.68	7.84	36.80	50.84	74.00	23.16	
	1483.00	53.36	26.08	8.35	36.56	51.23	74.00	22.77	
Vertical	1008.00	60.04	24.14	6.70	37.67	53.21	74.00	20.79	PK
	1032.00	56.79	24.26	6.76	37.60	50.21	74.00	23.79	
	1062.00	55.85	24.41	6.82	37.53	49.55	74.00	24.45	
	1164.00	55.53	24.87	7.01	37.26	50.15	74.00	23.85	
	1361.00	52.48	25.66	7.84	36.81	49.17	74.00	24.83	
	1540.00	54.77	26.27	8.57	36.45	53.16	74.00	20.84	

TEST ENGINEER: KEN XU

5 DEVIATION TO TEST SPECIFICATIONS

None

6 DEBUG DESCRIPTION

Name	M/N	Specifications (mm)	Manufacturer	Location
Aluminum foil	T-308	50mm*30mm	DAEHUNG SUBSIDIARY MATERIALS	See Appendix LG Intpho Figure 2, 7, 16, 17, 20, 36, 37
Gasket	773GT	40mm*20mm*3mm	CATERON	See Appendix LG Intpho Figure 21