

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

LCD Monitor

Model No.: W1952TQT, W1952SQT

Serial No.: E07102301, E07102302

FCC ID : BEJW1952TQT

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

Prepared By : Audix Technology (Shanghai) Co., Ltd.
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Report No. : ACI-F07044
Date of Test : Oct 25 – 26, 2007
Date of Report : Oct 29, 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. : W1952TQT, W1952SQT
(B) Serial No. : E07102301, E07102302
(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: W1952TQT, W1952SQT; S/N: E07102301, E07102302) which was tested in 3m anechoic chamber on Oct 25 – 26, 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 25 – 26, 2007

Prepared By:

Kathy Wang 2007.10.30
KATHY WANG / Assistant

Reviewer:

Sammy Chen 2007.10.30
SAMMY CHEN / Deputy Assistant Manager

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

Approved Signatory:

Ian Chien 2007.10.30
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
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. : W1952TQT, W1952SQT

Serial No. : E07102301, E07102302

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

	W1952TQT	W1952SQT
D-Sub Port	○	○
DVI Port	○	--
NOTE 1 – “○” means the item is applicable. NOTE 2 – “--” means the item is no applicable.		

Real Power : W1952TQT: 37.0W
W1952SQT: 36.5W

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: MindTech Display
M/N : M190MWW1-201

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 : 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

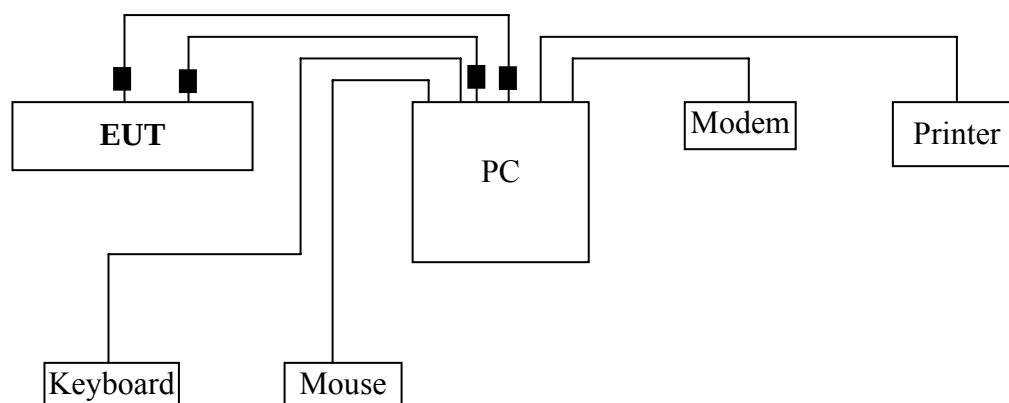
3.1 Test Equipment

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)	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 Ω Coaxial Switch	Anritsu	MP59B	6200426389	Sep 18, 2007	Mar 18, 2008
5.	Software	Audix	E3	SET00200 9804M592	--	--

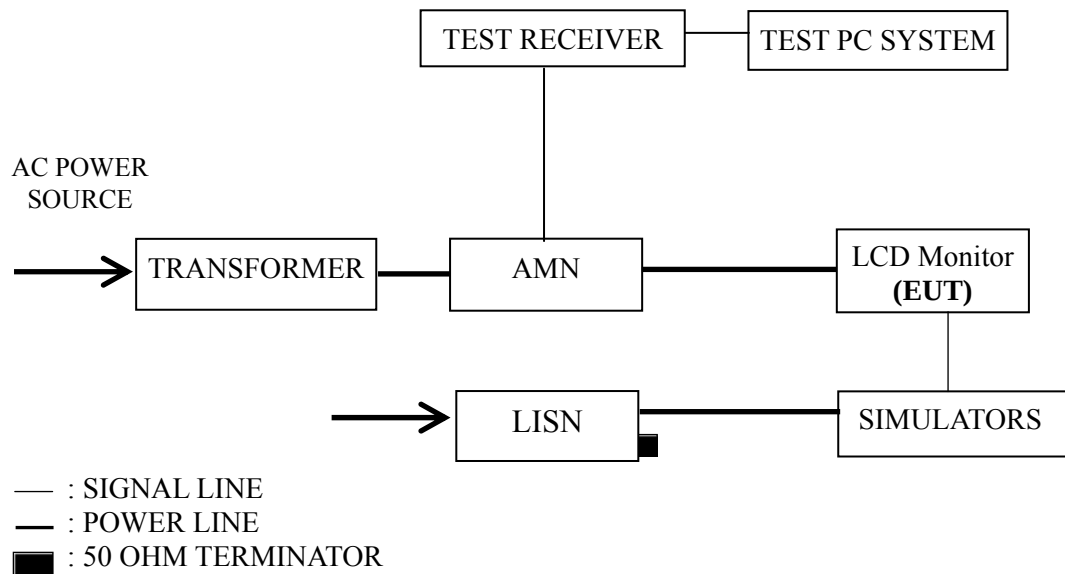
3.2 Block Diagram of Test Setup

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
W1952TQT	VGA 640*480@60Hz
	VGA 1024*768@60Hz
	VGA 1440*900@60Hz
	DVI 640*480@60Hz
	DVI 1024*768@60Hz
	DVI 1440*900@60Hz
W1952SQT	VGA 640*480@60Hz
	VGA 1024*768@60Hz
	VGA 1440*900@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
W1952TQT	VGA 640*480@60Hz	P12
	VGA 1024*768@60Hz	P13
	VGA 1440*900@60Hz	P14
	DVI 640*480@60Hz	P15
	DVI 1024*768@60Hz	P16
	DVI 1440*900@60Hz	P17
W1952SQT	VGA 640*480@60Hz	P18
	VGA 1024*768@60Hz	P19
	VGA 1440*900@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 640*480@60Hz mode (M/N:

W1952TQT). The worst emission is detected at 2.554 MHz with corrected signal level of 37.94 (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. : W1952TQT Humidity : 60%

Serial No. : E07102301 Date of Test : Oct 25, 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	0.15	47.90	0.66	48.56	66.00	17.44	QP
	0.1914	44.30	0.72	45.02	63.98	18.96	
	0.32512	40.31	0.69	41.00	59.57	18.57	
	0.59794	37.90	0.62	38.52	56.00	17.48	
	1.568	28.90	0.50	29.40	56.00	26.60	
	3.799	29.80	0.61	30.41	56.00	25.59	
	0.15	40.30	0.66	40.96	56.00	15.04	AV
	0.1914	37.90	0.72	38.62	53.98	15.36	
	0.32512	35.41	0.69	36.10	49.57	13.47	
	0.59794	33.40	0.62	34.02	46.00	11.98	
	1.568	24.10	0.50	24.60	46.00	21.40	
	3.799	24.10	0.61	24.71	46.00	21.29	
VB	0.1508	47.40	0.53	47.93	65.96	18.03	QP
	0.2304	43.09	0.67	43.76	62.44	18.68	
	0.32169	38.71	0.65	39.36	59.66	20.30	
	0.60431	38.90	0.61	39.51	56.00	16.49	
	1.568	34.11	0.51	34.62	56.00	21.38	
	2.554	37.41	0.53	37.94	56.00	18.06	
	0.1508	40.90	0.53	41.43	55.96	14.53	AV
	0.2304	37.89	0.67	38.56	52.44	13.88	
	0.32169	35.41	0.65	36.06	49.66	13.60	
	0.60431	33.90	0.61	34.51	46.00	11.49	
	1.568	30.11	0.51	30.62	46.00	15.38	
	2.554	32.11	0.53	32.64	46.00	13.36	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : W1952TQT Humidity : 60%

Serial No. : E07102301 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	0.1508	47.47	0.66	48.13	65.96	17.83	QP
	0.19344	45.11	0.72	45.83	63.89	18.06	
	0.26164	38.90	0.71	39.61	61.38	21.77	
	0.32512	37.41	0.69	38.10	59.57	21.47	
	0.59794	38.40	0.62	39.02	56.00	16.98	
	20.162	38.40	0.91	39.31	60.00	20.69	
	0.1508	41.30	0.66	41.96	55.96	14.00	AV
	0.19344	37.91	0.72	38.63	53.89	15.26	
	0.26164	35.40	0.71	36.11	51.38	15.27	
	0.32512	33.41	0.69	34.10	49.57	15.47	
	0.59794	32.10	0.62	32.72	46.00	13.28	
	20.162	32.90	0.91	33.81	50.00	16.19	
VB	0.15	48.40	0.53	48.93	66.00	17.07	QP
	0.19654	45.10	0.66	45.76	63.76	18.00	
	0.23162	42.89	0.67	43.56	62.39	18.83	
	0.32685	38.91	0.65	39.56	59.53	19.97	
	0.59794	39.70	0.61	40.31	56.00	15.69	
	2.309	35.40	0.53	35.93	56.00	20.07	
	0.15	41.30	0.53	41.83	56.00	14.17	AV
	0.19654	37.90	0.66	38.56	53.76	15.20	
	0.23162	36.09	0.67	36.76	52.39	15.63	
	0.32685	33.61	0.65	34.26	49.53	15.27	
	0.59794	33.10	0.61	33.71	46.00	12.29	
	2.309	32.10	0.53	32.63	46.00	13.37	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : W1952TQT Humidity : 60%

Serial No. : E07102301 Date of Test : Oct 25, 2007

Test Mode : VGA 1440*900@60Hz

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
VA	0.17307	47.41	0.69	48.10	64.81	16.71	QP
	0.19758	46.39	0.74	47.13	63.71	16.58	
	0.26583	41.10	0.71	41.81	61.25	19.44	
	0.32685	37.91	0.69	38.60	59.53	20.93	
	0.60752	36.40	0.62	37.02	56.00	18.98	
	0.7918	31.10	0.59	31.69	56.00	24.31	
	0.17307	40.31	0.69	41.00	54.81	13.81	AV
	0.19758	37.89	0.74	38.63	53.71	15.08	
	0.26583	35.90	0.71	36.61	51.25	14.64	
	0.32685	33.41	0.69	34.10	49.53	15.43	
	0.60752	34.90	0.62	35.52	46.00	10.48	
	0.7918	27.40	0.59	27.99	46.00	18.01	
VB	0.15	48.40	0.53	48.93	66.00	17.07	QP
	0.19969	46.40	0.67	47.07	63.62	16.55	
	0.32685	38.41	0.65	39.06	59.53	20.47	
	0.60431	38.90	0.61	39.51	56.00	16.49	
	2.178	36.40	0.52	36.92	56.00	19.08	
	2.581	36.35	0.53	36.88	56.00	19.12	
	0.15	41.10	0.53	41.63	56.00	14.37	AV
	0.19969	39.40	0.67	40.07	53.62	13.55	
	0.32685	35.91	0.65	36.56	49.53	12.97	
	0.60431	33.40	0.61	34.01	46.00	11.99	
	2.178	30.10	0.52	30.62	46.00	15.38	
	2.581	32.11	0.53	32.64	46.00	13.36	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : W1952TQT Humidity : 60%

Serial No. : E07102301 Date of Test : Oct 25, 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	47.90	0.66	48.56	66.00	17.44	QP
	0.1914	44.30	0.72	45.02	63.98	18.96	
	0.23162	42.09	0.73	42.82	62.39	19.57	
	0.32512	40.31	0.69	41.00	59.57	18.57	
	0.59794	37.90	0.62	38.52	56.00	17.48	
	3.799	35.10	0.61	35.71	56.00	20.29	
	0.15	40.30	0.66	40.96	56.00	15.04	AV
	0.1914	37.90	0.72	38.62	53.98	15.36	
	0.23162	36.89	0.73	37.62	52.39	14.77	
	0.32512	35.41	0.69	36.10	49.57	13.47	
	0.59794	33.40	0.62	34.02	46.00	11.98	
	3.799	29.40	0.61	30.01	46.00	15.99	
VB	0.1508	47.40	0.53	47.93	65.96	18.03	QP
	0.19447	44.39	0.66	45.05	63.84	18.79	
	0.2304	43.09	0.67	43.76	62.44	18.68	
	0.32169	38.71	0.65	39.36	59.66	20.30	
	0.60431	38.90	0.61	39.51	56.00	16.49	
	2.554	40.11	0.53	40.64	56.00	15.36	
	0.1508	40.90	0.53	41.43	55.96	14.53	AV
	0.19447	37.89	0.66	38.55	53.84	15.29	
	0.2304	37.89	0.67	38.56	52.44	13.88	
	0.32169	35.41	0.65	36.06	49.66	13.60	
	0.60431	33.90	0.61	34.51	46.00	11.49	
	2.554	37.41	0.53	37.94	46.00	8.06	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : W1952TQT Humidity : 60%

Serial No. : E07102301 Date of Test : Oct 25, 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	0.1508	47.47	0.66	48.13	65.96	17.83	QP
	0.19344	45.11	0.72	45.83	63.89	18.06	
	0.26164	38.90	0.71	39.61	61.38	21.77	
	0.32512	37.41	0.69	38.10	59.57	21.47	
	0.59794	38.40	0.62	39.02	56.00	16.98	
	20.162	38.40	0.91	39.31	60.00	20.69	
	0.1508	41.30	0.66	41.96	55.96	14.00	AV
	0.19344	37.91	0.72	38.63	53.89	15.26	
	0.26164	35.40	0.71	36.11	51.38	15.27	
	0.32512	33.41	0.69	34.10	49.57	15.47	
	0.59794	32.10	0.62	32.72	46.00	13.28	
	20.162	32.90	0.91	33.81	50.00	16.19	
VB	0.15	48.40	0.53	48.93	66.00	17.07	QP
	0.19654	45.10	0.66	45.76	63.76	18.00	
	0.23162	42.89	0.67	43.56	62.39	18.83	
	0.32685	38.91	0.65	39.56	59.53	19.97	
	0.9233	34.40	0.57	34.97	56.00	21.03	
	23.762	37.90	1.01	38.91	60.00	21.09	
	0.15	41.30	0.53	41.83	56.00	14.17	AV
	0.19654	37.90	0.66	38.56	53.76	15.20	
	0.23162	36.09	0.67	36.76	52.39	15.63	
	0.32685	33.61	0.65	34.26	49.53	15.27	
	0.9233	26.10	0.57	26.67	46.00	19.33	
	23.762	30.10	1.01	31.11	50.00	18.89	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : W1952TQT Humidity : 60%

Serial No. : E07102301 Date of Test : Oct 25, 2007

Test Mode : DVI 1440*900@60Hz

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
VA	0.17307	47.41	0.69	48.10	64.81	16.71	QP
	0.19758	46.39	0.74	47.13	63.71	16.58	
	0.26583	41.10	0.71	41.81	61.25	19.44	
	0.60752	36.40	0.62	37.02	56.00	18.98	
	0.7918	31.10	0.59	31.69	56.00	24.31	
	18.135	40.09	0.93	41.02	60.00	18.98	
	0.17307	40.31	0.69	41.00	54.81	13.81	AV
	0.19758	37.89	0.74	38.63	53.71	15.08	
	0.26583	35.90	0.71	36.61	51.25	14.64	
	0.60752	34.90	0.62	35.52	46.00	10.48	
	0.7918	27.40	0.59	27.99	46.00	18.01	
	18.135	34.89	0.93	35.82	50.00	14.18	
VB	0.15	48.40	0.53	48.93	66.00	17.07	QP
	0.19969	46.40	0.67	47.07	63.62	16.55	
	0.32685	38.41	0.65	39.06	59.53	20.47	
	1.716	36.39	0.52	36.91	56.00	19.09	
	2.178	36.40	0.52	36.92	56.00	19.08	
	7.935	38.90	0.79	39.69	60.00	20.31	
	0.15	41.10	0.53	41.63	56.00	14.37	AV
	0.19969	39.40	0.67	40.07	53.62	13.55	
	0.32685	35.91	0.65	36.56	49.53	12.97	
	1.716	30.09	0.52	30.61	46.00	15.39	
	2.178	30.10	0.52	30.62	46.00	15.38	
	7.935	31.10	0.79	31.89	50.00	18.11	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : W1952SQT Humidity : 60%

Serial No. : E07102302 Date of Test : Oct 25, 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	0.19447	44.10	0.73	44.83	63.84	19.01	QP
	0.22797	41.10	0.73	41.83	62.52	20.69	
	0.32169	38.11	0.69	38.80	59.66	20.86	
	0.59794	37.40	0.62	38.02	56.00	17.98	
	2.765	31.10	0.56	31.66	56.00	24.34	
	3.09	31.10	0.58	31.68	56.00	24.32	
	0.19447	40.30	0.73	41.03	53.84	12.81	AV
	0.22797	37.90	0.73	38.63	52.52	13.89	
	0.32169	35.41	0.69	36.10	49.66	13.56	
	0.59794	33.40	0.62	34.02	46.00	11.98	
	2.765	29.10	0.56	29.66	46.00	16.34	
	3.09	27.90	0.58	28.48	46.00	17.52	
VB	0.16327	46.40	0.57	46.97	65.30	18.33	QP
	0.23162	41.09	0.67	41.76	62.39	20.63	
	0.32512	37.91	0.65	38.56	59.57	21.01	
	0.59794	37.40	0.61	38.01	56.00	17.99	
	2.384	37.60	0.53	38.13	56.00	17.87	
	6.252	35.40	0.71	36.11	60.00	23.89	
	0.16327	40.90	0.57	41.47	55.30	13.83	AV
	0.23162	37.89	0.67	38.56	52.39	13.83	
	0.32512	35.41	0.65	36.06	49.57	13.51	
	0.59794	32.10	0.61	32.71	46.00	13.29	
	2.384	32.10	0.53	32.63	46.00	13.37	
	6.252	32.30	0.71	33.01	50.00	16.99	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : W1952SQT Humidity : 60%

Serial No. : E07102302 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	0.15321	47.40	0.66	48.06	65.82	17.76	QP
	0.23162	41.09	0.73	41.82	62.39	20.57	
	0.32512	37.61	0.69	38.30	59.57	21.27	
	0.59794	37.60	0.62	38.22	56.00	17.78	
	3.09	32.10	0.58	32.68	56.00	23.32	
	3.922	32.10	0.62	32.72	56.00	23.28	
	0.15321	43.10	0.66	43.76	55.82	12.06	AV
	0.23162	37.89	0.73	38.62	52.39	13.77	
	0.32512	35.41	0.69	36.10	49.57	13.47	
	0.59794	33.10	0.62	33.72	46.00	12.28	
	3.09	30.10	0.58	30.68	46.00	15.32	
	3.922	29.80	0.62	30.42	46.00	15.58	
VB	0.15	47.40	0.53	47.93	66.00	18.07	QP
	0.22676	41.09	0.67	41.76	62.57	20.81	
	0.32169	37.91	0.65	38.56	59.66	21.10	
	0.59794	37.90	0.61	38.51	56.00	17.49	
	1.8	35.40	0.51	35.91	56.00	20.09	
	2.636	36.91	0.53	37.44	56.00	18.56	
	0.15	43.10	0.53	43.63	56.00	12.37	AV
	0.22676	37.89	0.67	38.56	52.57	14.01	
	0.32169	35.41	0.65	36.06	49.66	13.60	
	0.59794	33.40	0.61	34.01	46.00	11.99	
	1.8	30.10	0.51	30.61	46.00	15.39	
	2.636	32.11	0.53	32.64	46.00	13.36	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : W1952SQT Humidity : 60%

Serial No. : E07102302 Date of Test : Oct 25, 2007

Test Mode : VGA 1440*900@60Hz

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
VA	0.1508	47.40	0.66	48.06	65.96	17.90	QP
	0.22797	41.30	0.73	42.03	62.52	20.49	
	0.25751	41.10	0.72	41.82	61.51	19.69	
	0.32512	37.91	0.69	38.60	59.57	20.97	
	0.59794	37.10	0.62	37.72	56.00	18.28	
	2.765	31.10	0.56	31.66	56.00	24.34	
	0.1508	43.10	0.66	43.76	55.96	12.20	AV
	0.22797	37.90	0.73	38.63	52.52	13.89	
	0.25751	35.90	0.72	36.62	51.51	14.89	
	0.32512	33.91	0.69	34.60	49.57	14.97	
	0.59794	33.40	0.62	34.02	46.00	11.98	
	2.765	30.10	0.56	30.66	46.00	15.34	
VB	0.1524	47.40	0.54	47.94	65.87	17.93	QP
	0.22797	43.09	0.67	43.76	62.52	18.76	
	0.31999	39.81	0.65	40.46	59.71	19.25	
	0.59794	38.40	0.61	39.01	56.00	16.99	
	2.384	36.40	0.53	36.93	56.00	19.07	
	6.252	36.40	0.71	37.11	60.00	22.89	
	0.1524	43.90	0.54	44.44	55.87	11.43	AV
	0.22797	38.89	0.67	39.56	52.52	12.96	
	0.31999	35.91	0.65	36.56	49.71	13.15	
	0.59794	33.90	0.61	34.51	46.00	11.49	
	2.384	33.10	0.53	33.63	46.00	12.37	
	6.252	32.60	0.71	33.31	50.00	16.69	

TEST ENGINEER: RAVEN JIN

4 RADIATED EMISSION TEST

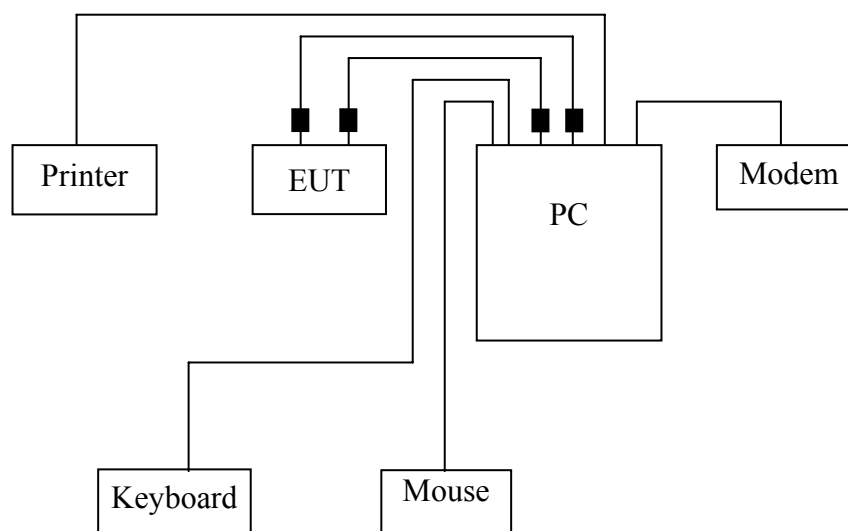
4.1 Test Equipment

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	--	--

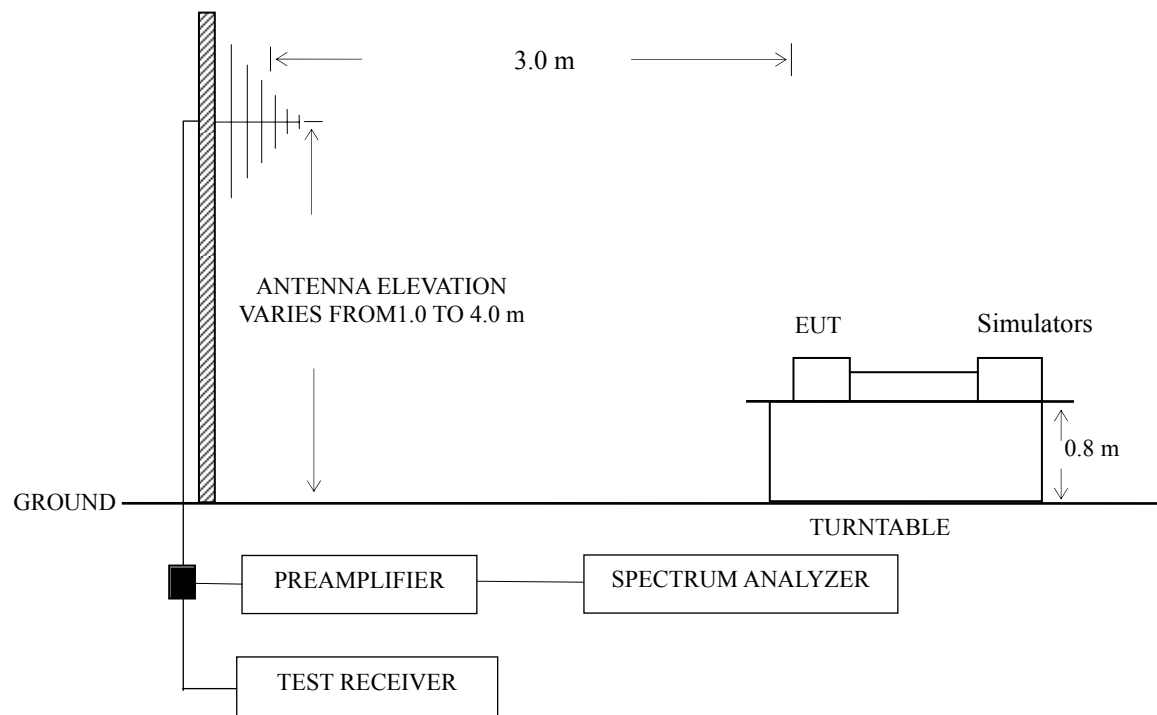
4.2 Block Diagram of Test Setup

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 Peak 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 1440*900@60Hz and DVI 1440*900@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
W1952TQT	VGA 640*480@60Hz
	VGA 1024*768@60Hz
	VGA 1440*900@60Hz
	DVI 640*480@60Hz
	DVI 1024*768@60Hz
	DVI 1440*900@60Hz
W1952SQT	VGA 640*480@60Hz
	VGA 1024*768@60Hz
	VGA 1440*900@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
W1952TQT	VGA 640*480@60Hz	P25
	VGA 1024*768@60Hz	P26
	VGA 1440*900@60Hz	P27 – P28
	DVI 640*480@60Hz	P29
	DVI 1024*768@60Hz	P30
	DVI 1440*900@60Hz	P31 – P32
W1952SQT	VGA 640*480@60Hz	P33
	VGA 1024*768@60Hz	P34
	VGA 1440*900@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 1440*900@60Hz (M/N: W1952SQT). The worst emission at horizontal polarization was detected at 643.01 MHz with corrected signal level of 40.19 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 140° . The worst emission at vertical polarization was detected at 495.60 MHz with corrected signal level of 43.00 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 235° .

EUT : LCD Monitor Temperature : 22°C

Model No. : W1952TQT Humidity : 60%

Serial No. : E07102301 Date of Test : Oct 26, 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	30.97	1.26	16.76	0.91	18.93	40.00	21.07
	89.17	8.15	10.99	1.60	20.74	43.50	22.76
	154.16	14.62	11.02	2.11	27.75	43.50	15.75
	265.71	14.62	13.64	2.91	31.17	46.00	14.83
	353.98	10.59	15.95	3.40	29.94	46.00	16.06
	533.43	11.14	20.36	4.07	35.57	46.00	10.43
Vertical	84.32	19.71	11.63	1.56	32.90	40.00	7.10
	149.31	17.56	11.00	2.07	30.63	43.50	12.87
	279.29	13.33	13.47	3.00	29.80	46.00	16.20
	354.95	11.39	16.01	3.40	30.80	46.00	15.20
	533.43	7.34	20.36	4.07	31.77	46.00	14.23
	859.35	5.27	23.25	5.57	34.09	46.00	11.91

TEST ENGINEER: KEN XU

EUT : LCD Monitor Temperature : 22°C

Model No. : W1952TQT Humidity : 60%

Serial No. : E07102301 Date of Test : Oct 26, 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	31.94	11.73	15.50	0.92	28.15	40.00	11.85
	81.41	10.40	12.03	1.53	23.96	40.00	16.04
	153.19	17.78	11.01	2.10	30.89	43.50	12.61
	258.92	16.95	13.73	2.86	33.54	46.00	12.46
	636.25	4.53	21.03	4.45	30.01	46.00	15.99
	889.42	7.61	22.95	5.65	36.21	46.00	9.79
Vertical	36.79	18.22	9.56	0.94	28.72	40.00	11.28
	84.32	14.85	11.63	1.56	28.04	40.00	11.96
	117.30	12.27	11.69	1.84	25.80	43.50	17.70
	266.68	16.28	13.63	2.91	32.82	46.00	13.18
	353.98	8.07	15.95	3.40	27.42	46.00	18.58
	708.03	3.63	21.48	4.86	29.97	46.00	16.03

TEST ENGINEER: KEN XU

EUT : LCD Monitor Temperature : 22°C

Model No. : W1952TQT Humidity : 60%

Serial No. : E07102301 Date of Test : Oct 26, 2007

Test Mode : VGA 1440*900@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	89.17	14.05	10.99	1.60	26.64	43.50	16.86
	151.25	19.81	10.99	2.09	32.89	43.50	10.61
	271.53	22.25	13.57	2.94	38.76	46.00	7.24
	385.99	11.35	17.40	3.55	32.30	46.00	13.70
	530.52	13.89	20.32	4.07	38.28	46.00	7.72
	889.42	6.11	22.95	5.65	34.71	46.00	11.29
Vertical	36.79	19.91	9.56	0.94	30.41	40.00	9.59
	89.17	20.47	10.99	1.60	33.06	43.50	10.44
	118.27	16.24	11.73	1.85	29.82	43.50	13.68
	221.09	8.88	13.43	2.54	24.85	46.00	21.15
	353.98	10.05	15.95	3.40	29.40	46.00	16.60
	530.52	8.25	20.32	4.07	32.64	46.00	13.36

TEST ENGINEER: KEN XU

EUT : LCD Monitor Temperature : 22°C

Model No. : W1952TQT Humidity : 60%

Serial No. : E07102301 Date of Test : Oct 26, 2007

Test Mode : VGA 1440*900@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	1028.00	50.08	24.25	6.76	37.62	43.47	74.00	30.53	PK
	1168.00	48.56	24.89	7.01	37.25	43.21	74.00	30.79	
	1264.00	46.23	25.28	7.41	37.02	41.90	74.00	32.10	
	1408.00	47.69	25.82	8.01	36.71	44.81	74.00	29.19	
	1568.00	52.69	26.38	8.64	36.40	51.31	74.00	22.69	
	1874.00	44.62	27.26	9.57	35.88	45.57	74.00	28.43	
Vertical	1044.00	47.37	24.32	6.79	37.58	40.90	74.00	33.10	PK
	1164.00	51.58	24.87	7.01	37.26	46.20	74.00	27.80	
	1328.00	47.62	25.53	7.66	36.88	43.93	74.00	30.07	
	1494.00	45.91	26.13	8.35	36.54	43.85	74.00	30.15	
	1598.00	45.89	26.46	8.71	36.35	44.71	74.00	29.29	
	1864.00	44.54	27.24	9.57	35.90	45.45	74.00	28.55	

TEST ENGINEER: KEN XU

EUT : LCD Monitor Temperature : 22°C

Model No. : W1952TQT Humidity : 60%

Serial No. : E07102301 Date of Test : Oct 26, 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	90.14	13.81	10.90	1.61	26.32	43.50	17.18
	153.19	14.92	11.01	2.10	28.03	43.50	15.47
	343.31	8.79	15.43	3.35	27.57	46.00	18.43
	493.66	9.77	19.93	3.97	33.67	46.00	12.33
	777.87	0.51	23.32	5.28	29.11	46.00	16.89
	941.80	6.28	23.33	5.83	35.44	46.00	10.56
Vertical	30.97	10.49	16.76	0.91	28.16	40.00	11.84
	90.14	20.09	10.90	1.61	32.60	43.50	10.90
	142.52	15.42	11.29	2.03	28.74	43.50	14.76
	268.62	17.76	13.61	2.93	34.30	46.00	11.70
	494.63	13.53	19.93	3.97	37.43	46.00	8.57
	900.09	6.10	22.86	5.67	34.63	46.00	11.37

TEST ENGINEER: KEN XU

EUT : LCD Monitor Temperature : 22°C

Model No. : W1952TQT Humidity : 60%

Serial No. : E07102301 Date of Test : Oct 26, 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	12.90	15.50	0.92	29.32	40.00	10.68
	90.14	15.55	10.90	1.61	28.06	43.50	15.44
	224.97	15.12	13.49	2.58	31.19	46.00	14.81
	495.60	10.71	19.96	3.97	34.64	46.00	11.36
	643.04	10.28	21.05	4.49	35.82	46.00	10.18
	851.59	3.62	23.34	5.55	32.51	46.00	13.49
	31.94	12.90	15.50	0.92	29.32	40.00	10.68
Vertical	32.91	16.76	14.38	0.92	32.06	40.00	7.94
	62.01	14.01	11.33	1.26	26.60	40.00	13.40
	149.31	18.76	11.00	2.07	31.83	43.50	11.67
	224.00	11.51	13.47	2.58	27.56	46.00	18.44
	494.63	5.94	19.93	3.97	29.84	46.00	16.16
	811.82	3.18	23.74	5.42	32.34	46.00	13.66

TEST ENGINEER: KEN XU

EUT : LCD Monitor Temperature : 22°C

Model No. : W1952TQT Humidity : 60%

Serial No. : E07102301 Date of Test : Oct 26, 2007

Test Mode : DVI 1440*900@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	32.91	17.30	14.38	0.92	32.60	40.00	7.40
	90.14	16.05	10.90	1.61	28.56	43.50	14.94
	153.19	20.30	11.01	2.10	33.41	43.50	10.09
	268.62	21.31	13.61	2.93	37.85	46.00	8.15
	495.60	12.01	19.96	3.97	35.94	46.00	10.06
	643.04	12.06	21.05	4.49	37.60	46.00	8.40
Vertical	36.79	20.45	9.56	0.94	30.95	40.00	9.05
	90.14	17.93	10.90	1.61	30.44	43.50	13.06
	150.28	16.43	10.99	2.08	29.50	43.50	14.00
	266.68	13.33	13.63	2.91	29.87	46.00	16.13
	492.69	10.57	19.90	3.96	34.43	46.00	11.57
	897.18	6.51	22.89	5.67	35.07	46.00	10.93

TEST ENGINEER: KEN XU

EUT : LCD Monitor Temperature : 22°C

Model No. : W1952TQT Humidity : 60%

Serial No. : E07102301 Date of Test : Oct 26, 2007

Test Mode : DVI 1440*900@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	1078.00	46.72	24.48	6.85	37.48	40.57	74.00	33.43	PK
	1214.00	48.25	25.08	7.16	37.14	43.35	74.00	30.65	
	1438.00	49.11	25.94	8.18	36.65	46.58	74.00	27.42	
	1574.00	53.99	26.39	8.64	36.39	52.63	74.00	21.37	
	1708.00	48.82	26.80	9.07	36.15	48.54	74.00	25.46	
	1798.00	45.95	27.06	9.32	36.00	46.33	74.00	27.67	
Vertical	1034.00	53.28	24.27	6.76	37.60	46.71	74.00	27.29	PK
	1168.00	48.82	24.89	7.01	37.25	43.47	74.00	30.53	
	1328.00	49.79	25.53	7.66	36.88	46.10	74.00	27.90	
	1528.00	47.78	26.24	8.50	36.47	46.05	74.00	27.95	
	1794.00	44.80	27.05	9.32	36.01	45.16	74.00	28.84	
	1884.00	46.30	27.29	9.57	35.87	47.29	74.00	26.71	

TEST ENGINEER: KEN XU

EUT : LCD Monitor Temperature : 22°C

Model No. : W1952SQT Humidity : 60%

Serial No. : E07102302 Date of Test : Oct 26, 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	76.56	13.87	12.28	1.49	27.64	40.00	12.36
	153.19	18.11	11.01	2.10	31.22	43.50	12.28
	249.22	21.74	13.84	2.79	38.37	46.00	7.63
	449.04	10.98	19.05	3.80	33.83	46.00	12.17
	541.19	8.52	20.42	4.10	33.04	46.00	12.96
	940.83	6.45	23.33	5.83	35.61	46.00	10.39
Vertical	32.91	15.44	14.38	0.92	30.74	40.00	9.26
	85.29	18.11	11.51	1.57	31.19	40.00	8.81
	236.61	20.75	13.66	2.68	37.09	46.00	8.91
	360.77	18.81	16.24	3.43	38.48	46.00	7.52
	538.28	17.18	20.39	4.08	41.65	46.00	4.35
	902.03	9.37	22.90	5.70	37.97	46.00	8.03

TEST ENGINEER: KEN XU

EUT : LCD Monitor Temperature : 22°C

Model No. : W1952SQT Humidity : 60%

Serial No. : E07102302 Date of Test : Oct 26, 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	90.14	12.63	10.90	1.61	25.14	43.50	18.36
	192.96	18.58	12.60	2.30	33.48	43.50	10.02
	273.47	18.74	13.55	2.96	35.25	46.00	10.75
	360.77	16.38	16.24	3.43	36.05	46.00	9.95
	448.07	13.92	19.02	3.80	36.74	46.00	9.26
	643.04	15.89	21.05	4.49	41.43	46.00	4.57
Vertical	34.85	20.85	12.00	0.93	33.78	40.00	6.22
	90.14	22.02	10.90	1.61	34.53	43.50	8.97
	192.96	18.58	12.60	2.30	33.48	43.50	10.02
	237.58	23.53	13.67	2.68	39.88	46.00	6.12
	495.60	15.01	19.96	3.97	38.94	46.00	7.06
	859.35	6.91	23.25	5.57	35.73	46.00	10.27

TEST ENGINEER: KEN XU

EUT : LCD Monitor Temperature : 22°C

Model No. : W1952SQT Humidity : 60%

Serial No. : E07102302 Date of Test : Oct 26, 2007

Test Mode : VGA 1440*900@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	15.24	13.12	0.93	29.29	40.00	10.71
	86.26	15.33	11.39	1.58	28.30	40.00	11.70
	192.96	18.36	12.60	2.30	33.26	43.50	10.24
	275.41	18.90	13.52	2.96	35.38	46.00	10.62
	472.32	14.26	19.51	3.89	37.66	46.00	8.34
	643.04	14.65	21.05	4.49	40.19	46.00	5.81
Vertical	34.85	19.97	12.00	0.93	32.90	40.00	7.10
	90.14	21.52	10.90	1.61	34.03	43.50	9.47
	179.38	18.24	11.56	2.24	32.04	43.50	11.46
	268.62	23.07	13.61	2.93	39.61	46.00	6.39
	495.60	19.07	19.96	3.97	43.00	46.00	3.00
	631.40	9.93	21.02	4.45	35.40	46.00	10.60

TEST ENGINEER: KEN XU

EUT : LCD Monitor Temperature : 22°C

Model No. : W1952SQT Humidity : 60%

Serial No. : E07102302 Date of Test : Oct 26, 2007

Test Mode : VGA 1440*900@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	1028.00	48.83	24.25	6.76	37.62	42.22	74.00	31.78	PK
	1214.00	46.43	25.08	7.16	37.14	41.53	74.00	32.47	
	1344.00	48.33	25.59	7.75	36.84	44.83	74.00	29.17	
	1524.00	47.58	26.23	8.50	36.48	45.83	74.00	28.17	
	1708.00	46.32	26.80	9.07	36.15	46.04	74.00	27.96	
	1894.00	44.16	27.32	9.65	35.86	45.27	74.00	28.73	
Vertical	1028.00	51.76	24.25	6.76	37.62	45.15	74.00	28.85	PK
	1168.00	48.41	24.89	7.01	37.25	43.06	74.00	30.94	
	1298.00	47.68	25.41	7.58	36.95	43.72	74.00	30.28	
	1434.00	46.74	25.92	8.18	36.66	44.18	74.00	29.82	
	1618.00	46.74	26.52	8.78	36.31	45.73	74.00	28.27	
	1884.00	46.57	27.29	9.57	35.87	47.56	74.00	26.44	

TEST ENGINEER: KEN XU

5 DEVIATION TO TEST SPECIFICATIONS

None

6 DEBUG DESCRIPTION

Name	M/N	Specifications (mm)	Manufacturer	Location
Aluminum foil	T-308	30mm*50mm	DAEHUNG SUBSIDIARY MATERIALS	See Internal photos Figure 1, 2, 19
Gasket	--	490mm*10mm*4T	EXPAND	See Internal photos Figure 1, 18