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

LCD Monitor

Model No.: L1953TS
Serial No.: E07010603

FCC ID : BEJL1953HS

Prepared For : LG Electronics U.S.A Inc.
2000 Millbrook Dr.Linconlnshire,
IL 60069 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-F07002
Date of Test : Jan 10-11, 2007
Date of Report : Jan 23, 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. : L1953TS
		(B) Serial No. : E07010603
		(C) Power Supply : 120V/60Hz

Test Procedure Used:

FCC RULES AND REGULATIONS PART 15 SUBPART B CLASS B 2006.10 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: L1953TS; S/N: E07010603) which was tested in 10m anechoic chamber on Jan 10-11, 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 : Jan 10-11, 2007

Prepared By: Kathy Wang 2007.1.30
KATHY WANG / Assistant

Reviewer: 2007.1.30
SAMMY CHEN / Deputy Assistant Manager

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

Approved Signatory: 30 Jan. 2007
Authorized Signature(s) 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 2006.10 AND ANSI C63.4-2003	Pass	15.107(a) Class B
Radiated Disturbance	FCC RULES AND REGULATIONS PART 15 SUBPART B 2006.10 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.	:	L1953TS
Serial No.	:	E07010603
Applicant	:	LG Electronics U.S.A Inc. 2000 Millbrook Dr.Linconlnshire, 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: LG PHILIPS LCD M/N : 1906CPZQ00405 G31
D-Sub Cable	:	Shielded, Detachable, 1.8m, with two cores
DVI Cable	:	Shielded, Detachable, 1.8m with two cores

Remark:

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

Back View:

(1) One D-Sub Input Port
Connected with PC

(2) One DVI Input Port
Connected with PC

2.2 Supported Simulators

2.2.1 PC

Manufacturer	:	DELL
Model Number	:	DCSM
CPU	:	2KZB22X
Power Cable	:	Unshielded, detachable ,1.8m
Certificate	:	FCC DoC, VCCI, CE/EMC, C-Tick, CCC, NOM, CSA, UL

2.2.2 Keyboard

Manufacturer	:	DELL
Model Number	:	SK-8115
Data Cable	:	Unshielded, detachable ,1.9m
Certificate	:	VCCI, FCC DoC, CE/EMC, GS, C-Tick

2.2.3 Mouse

Manufacturer	:	DELL
Model Number	:	MO55UOA
Serial Number	:	F1800IVY
Data Cable	:	Unshielded ,Undetachable, 1.85m.
Certificate	:	FCC DoC, VCCI, CE/EMC, GS, UL, C-Tick

2.2.4 Printer

Manufacturer	:	HP
Model Number	:	C4245A
Serial Number	:	CN2Q213574
Data Cable	:	Unshielded, detachable, 1.85m
Certificate	:	FCC DoC

2.2.5 Modem

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

2.2.6 VGA Card #1

Manufacturer	:	ASUS
Model Number	:	EN6200TC256/T/64M/TWWOW
Serial Number	:	68COAG111886
Certificate	:	FCC DoC, CE/EMC

2.2.7 VGA Card #2

Manufacturer	:	ASUS
Model Number	:	EN6600SILEMCER/TD/128M/A
Serial Number	:	67COAIC65478
Certificate	:	FCC DoC, CE/EMC

2.3 Description of Test Facility

Site Description (10m Semi-Anechoic Chamber)	:	Sep 13, 2006 file on Federal Communications Commission FCC Engineering Laboratory 7435 Oakland Mills Road Columbia, MD 21046, USA
Name of Firm	:	Audix Technology (Wujiang) Co., Ltd.
Site Location	:	No.1289, Jiangxing East Rd., The EasternPart of Wujiang Economic Development Zone, JiangSu, China 215200
FCC registration Number	:	252588

Audix Technology(Shanghai)Co., Ltd

Accredited by NVLAP, Lab Code : 200371-0

2.4 Measurement Uncertainty

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

3 CONDUCTED EMISSION TEST

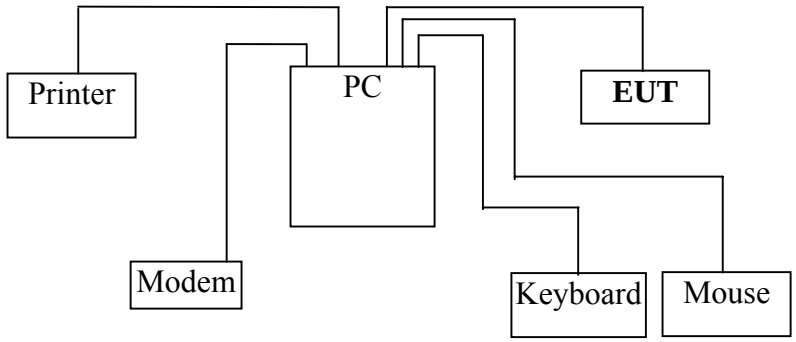
3.1 Test Equipment

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

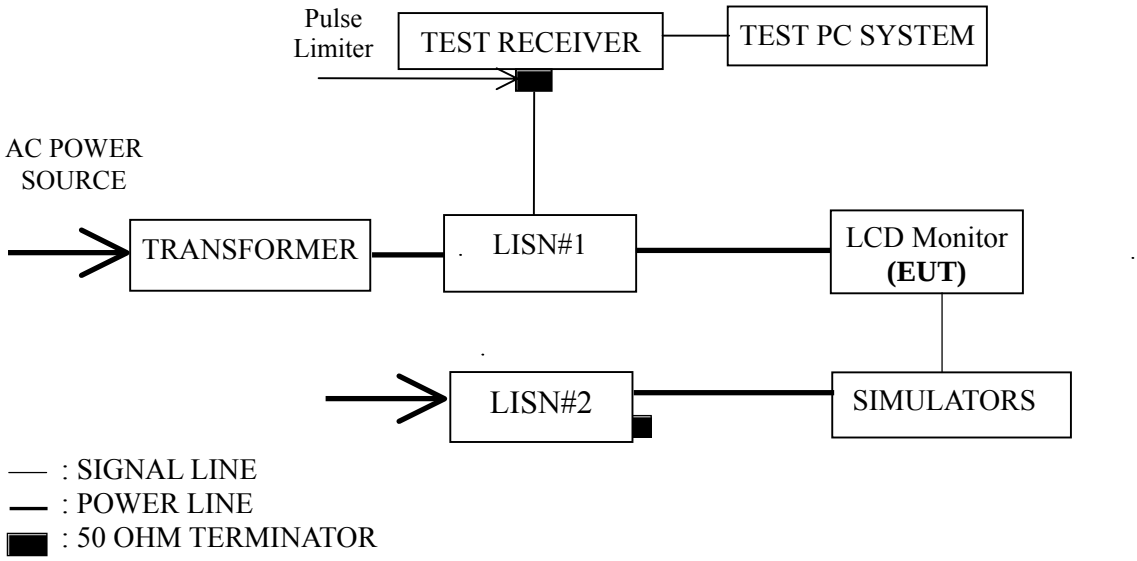
Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Test Receiver	R&S	ESCI	100352	Mar 29, 2006	Mar 29, 2007
2.	Line Impedance Stabilization Network (LISN)	Kyoritsu	KNW-407	8-1793-4	Oct 26, 2006	Oct 26, 2007
3.	Line Impedance Stabilization Network (LISN)	Kyoritsu	KNW-407	8-1793-3	Oct 26, 2006	Oct 26, 2007
4.	50Ω Coaxial Switch	ANRITSU	MP59B	6200547934	Aug 20, 2006	Feb 20, 2007
5.	Pulse Limiter	R&S	ESH3-Z2	100605	Aug 20, 2006	Feb 20, 2007
6.	Software	Audix	E3	RK-000323	--	--

3.2 Block Diagram of Test Setup

3.2.1 EUT & Supported Simulators



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:

VGA 800*600@75Hz	VGA 1024*768@75Hz	VGA 1280*1024@60Hz
DVI 800*600@75Hz	DVI 1024*768@75Hz	DVI 1280*1024@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 Test Receiver ESCI was set at 9 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.

Test Mode	Page	Test Mode	Page
VGA 800*600@75Hz	P12	DVI 800*600@75Hz	P15
VGA 1024*768@75Hz	P13	DVI 1024*768@75Hz	P16
VGA 1280*1024@60Hz	P14	DVI 1280*1024@60Hz	P17

NOTE 1 – Factor = Cable Loss + LISN Factor.
Cable Loss includes pulse limiter attenuator.
NOTE 2 – Emission Level = Meter Reading + Factor.
NOTE 3 – "QP" means "Quasi-Peak" values, "AV" means "Average" values.
NOTE 4 – If the average limit is met when using a quasi-peak detector, the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.
NOTE 5 – The worst case is for VGA 1024*768@75Hz mode. The worst emission is detected at 0.30 MHz with corrected signal level of 49.580 (μV) (limit is 60.243 dB (μV)), when the VA of the EUT is connected to LISN.

EUT	:	LCD Monitor	Temperature :	21.7℃	
Model No.	:	L1953TS	Humidity	:	35%
Serial No.	:	E07010603	Date of Test	:	Jan 10, 2007
Test Mode	:	VGA 800*600@75Hz			

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
VA	0.22	30.510	10.403	40.913	62.669	21.756	QP
	0.30	35.360	10.391	45.751	60.271	14.520	AV
	0.30	**39.070**	**10.391**	**49.461**	**60.271**	**10.810**	QP
	0.37	34.030	10.416	44.446	58.412	13.966	QP
	0.45	29.170	10.437	39.607	56.912	17.305	QP
	0.50	28.499	10.450	38.949	56.000	17.051	QP
	0.60	30.590	10.381	40.971	56.000	15.029	QP
VB	0.20	25.010	10.370	35.380	63.611	28.231	QP
	0.30	35.040	10.391	45.431	60.271	14.840	AV
	0.30	38.590	10.391	48.981	60.271	11.290	QP
	0.37	32.440	10.416	42.856	58.434	15.578	QP
	0.45	26.630	10.438	37.068	56.875	19.807	QP
	0.50	27.820	10.450	38.270	56.017	17.747	QP

TEST ENGINEER: Dio Yang
(DIO YANG)

EUT	:	LCD Monitor	Temperature	:	21.7℃
Model No.	:	L1953TS	Humidity	:	35%
Serial No.	:	E07010603	Date of Test	:	Jan 10, 2007
Test Mode	:	VGA 1024*768@75Hz			

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
VA	**0.30**	**39.190**	**10.390**	**49.580**	**60.243**	**10.663**	QP
	0.30	35.590	10.390	45.980	60.243	14.263	AV
	0.37	33.510	10.415	43.925	58.456	14.531	QP
	0.45	28.990	10.437	39.427	56.894	17.467	QP
	0.50	28.409	10.450	38.859	56.000	17.141	QP
	0.60	30.170	10.382	40.552	56.000	15.448	QP
	0.67	27.170	10.337	37.507	56.000	18.493	QP
VB	0.23	28.150	10.404	38.554	62.632	24.078	QP
	0.30	34.910	10.391	45.301	60.271	14.970	AV
	0.30	38.640	10.391	49.031	60.271	11.240	QP
	0.37	32.240	10.416	42.656	58.412	15.756	QP
	0.45	26.750	10.437	37.187	56.894	19.707	QP
	0.50	28.300	10.450	38.750	56.000	17.250	QP

TEST ENGINEER: Dio Yang
(DIO YANG)

EUT	:	LCD Monitor	Temperature	:	21.7℃
Model No.	:	L1953TS	Humidity	:	35%
Serial No.	:	E07010603	Date of Test	:	Jan 10, 2007
Test Mode	:	VGA 1280*1024@60Hz			

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
VA	0.22	30.210	10.402	40.612	62.706	22.094	QP
	0.30	**38.990**	**10.391**	**49.381**	**60.271**	**10.890**	QP
	0.30	35.180	10.391	45.571	60.271	14.700	AV
	0.37	33.470	10.416	43.886	58.434	14.548	QP
	0.45	28.300	10.437	38.737	56.931	18.194	QP
	0.50	29.432	10.449	39.881	56.054	16.173	QP
	0.60	29.060	10.382	39.442	56.000	16.558	QP
VB	0.30	38.081	10.391	48.472	60.298	11.826	QP
	0.30	34.091	10.391	44.482	60.298	15.816	AV
	0.37	32.080	10.416	42.496	58.434	15.938	QP
	0.45	26.410	10.437	36.847	56.894	20.047	QP
	0.50	27.810	10.450	38.260	56.017	17.757	QP
	0.60	27.420	10.382	37.802	56.000	18.198	QP
	0.67	23.210	10.337	33.547	56.000	22.453	QP

TEST ENGINEER: Dio Yang
(DIO YANG)

EUT	:	LCD Monitor	Temperature	21.7℃	
Model No.	:	L1953TS	Humidity	35%	
Serial No.	:	E07010603	Date of Test	Jan 10, 2007	
Test Mode	:	DVI 800*600@75Hz			

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
VA	0.22	30.520	10.403	40.923	62.669	21.746	QP
	0.30	35.161	10.391	45.552	60.298	14.746	AV
	0.30	**38.821**	**10.391**	**49.212**	**60.298**	**11.086**	QP
	0.38	33.599	10.417	44.016	58.389	14.373	QP
	0.45	28.820	10.437	39.257	56.912	17.655	QP
	0.52	26.700	10.433	37.133	56.000	18.867	QP
	0.60	30.630	10.382	41.012	56.000	14.988	QP
VB	0.23	28.760	10.404	39.164	62.632	23.468	QP
	0.30	37.861	10.391	48.252	60.298	12.046	QP
	0.37	32.650	10.416	43.066	58.412	15.346	QP
	0.45	26.410	10.437	36.847	56.912	20.065	QP
	0.50	27.420	10.450	37.870	56.017	18.147	QP
	0.60	28.511	10.380	38.891	56.000	17.109	QP

TEST ENGINEER: Dio Yang
(DIO YANG)

EUT	:	LCD Monitor	Temperature :	22℃	
Model No.	:	L1953TS	Humidity :	50%	
Serial No.	:	E07010603	Date of Test :	Jan 17, 2007	
Test Mode	:	DVI 1024*768@75Hz			

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
VA	0.23	29.261	10.405	39.666	62.595	22.929	QP
	0.30	35.490	10.391	45.881	60.271	14.390	AV
	0.30	**39.010**	**10.391**	**49.401**	**60.271**	**10.870**	QP
	0.38	33.430	10.417	43.847	58.367	14.520	QP
	0.45	28.780	10.437	39.217	56.912	17.695	QP
	0.50	28.610	10.450	39.060	56.000	16.940	QP
	0.60	30.581	10.380	40.961	56.000	15.039	QP
VB	0.22	28.410	10.402	38.812	62.706	23.894	QP
	0.30	38.350	10.390	48.740	60.215	11.475	QP
	0.30	35.110	10.390	45.500	60.215	14.715	AV
	0.37	32.710	10.416	43.126	58.412	15.286	QP
	0.45	26.230	10.437	36.667	56.912	20.245	QP
	0.50	28.490	10.450	38.940	56.000	17.060	QP
	0.60	28.830	10.382	39.212	56.000	16.788	QP

TEST ENGINEER: Dio Yang
(DIO YANG)

EUT	:	LCD Monitor	Temperature :	21.7℃	
Model No.	:	L1953TS	Humidity	:	35%
Serial No.	:	E07010603	Date of Test	:	Jan 10, 2007
Test Mode	:	DVI 1280*1024@60Hz			

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
VA	0.23	29.951	10.405	40.356	62.595	22.239	QP
	0.30	35.520	10.390	45.910	60.215	14.305	AV
	0.30	**38.850**	**10.390**	**49.240**	**60.215**	**10.975**	QP
	0.38	33.500	10.417	43.917	58.367	14.450	QP
	0.45	29.450	10.438	39.888	56.875	16.987	QP
	0.50	28.510	10.450	38.960	56.000	17.040	QP
	0.60	30.420	10.380	40.800	56.000	15.200	QP
VB	0.24	24.320	10.417	34.737	62.271	27.534	QP
	0.30	38.150	10.390	48.540	60.215	11.675	QP
	0.30	34.980	10.390	45.370	60.215	14.845	AV
	0.38	32.729	10.417	43.146	58.389	15.243	QP
	0.45	26.890	10.437	37.327	56.912	19.585	QP
	0.50	28.450	10.450	38.900	56.000	17.100	QP
	0.60	28.820	10.382	39.202	56.000	16.798	QP

TEST ENGINEER: Dio Yang
(DIO YANG)

4 RADIATED EMISSION TEST

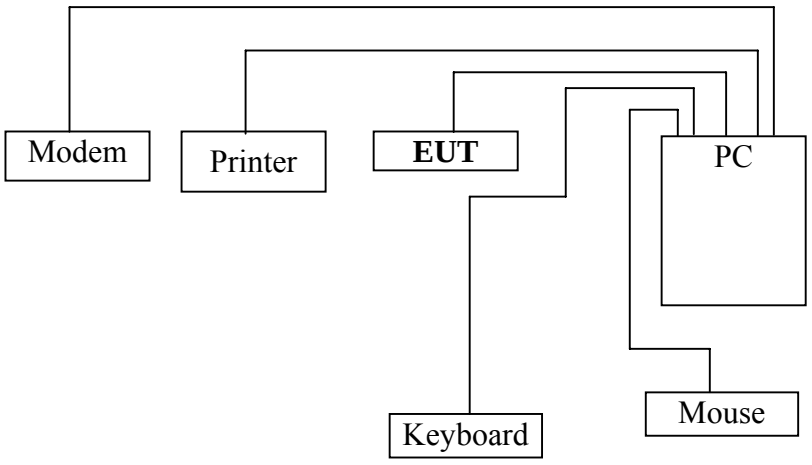
4.1 Test Equipment

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

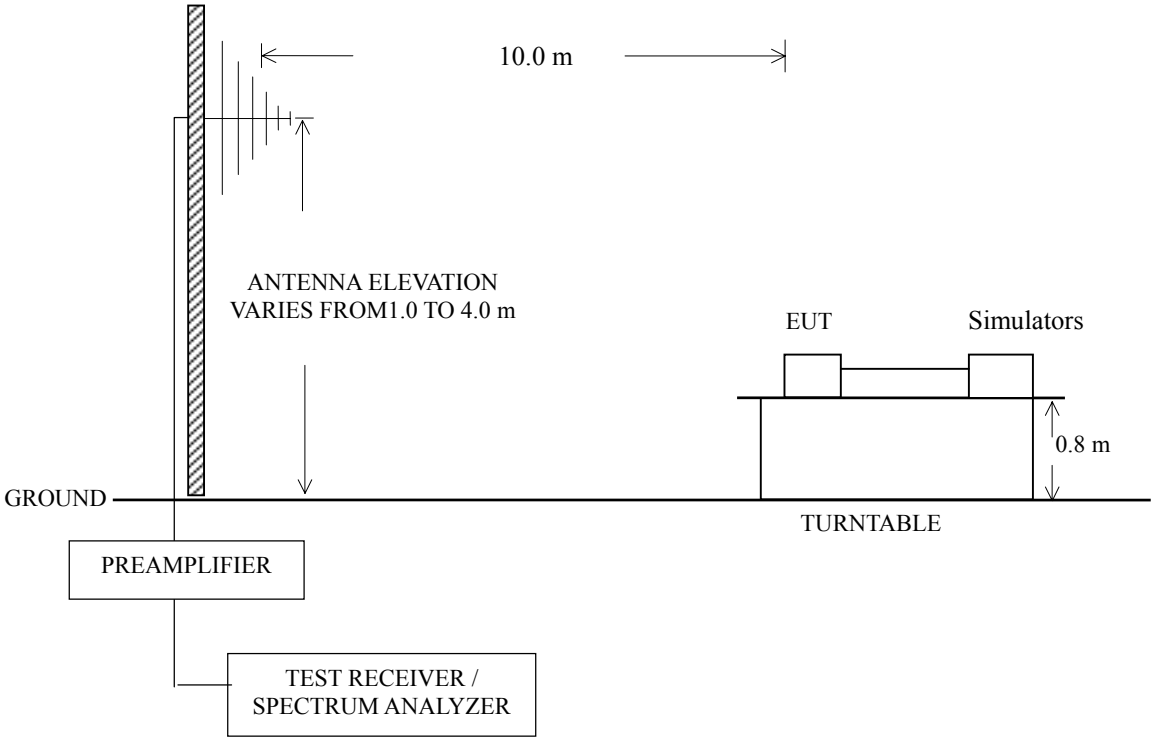
Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Test Receiver	R&S	ESCI	100351	Mar 29, 2006	Mar 29, 2007
2.	Preamplifier	Agilent	8447D	2944A10922	Sep 11, 2006	Mar 11, 2007
3.	Preamplifier	Agilent	8447D	2944A10918	Sep 11, 2006	Mar 11, 2007
4.	Preamplifier	Agilent	8449B	3008A02234	Apr 18, 2006	Apr 18, 2007
5.	Bi-log Antenna	Schaffner	CBL6112D	22252	Apr 09, 2006	Apr 09, 2007
6.	Bi-log Antenna	Schaffner	CBL6112D	22251	Apr 09, 2006	Apr 09, 2007
7.	Horn Antenna	EMCO	3115	62959	May 08, 2006	May 08, 2007
8.	Spectrum	Agilent	E7405A	MY45107030	Apr 27, 2006	Apr 27, 2007
9.	Spectrum	Agilent	E7405A	MY45106600	Apr 27, 2006	Apr 27, 2007
10.	Software	Audix	E3	SET00200 9912M295-2	--	--

4.2 Block Diagram of Test Setup

4.2.1 EUT and simulators



4.2.2 Radiated emission test setup



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

Frequency (MHz)	Distance (m)	Field Strength Limits dB (μV/m)
30 ~ 230	10	30
230 ~ 1000	10	37
Above 1000	10	43.5

NOTE 1 - The tighter limit applies at the edge between two frequency bands.

NOTE 2 - Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

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 10 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 ESCI was set at 120 kHz below 1GHz and The Spectrum 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 1280*1024@60Hz and DVI 1280*1024@60Hz modes.

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:

VGA 800*600@75Hz	VGA 1024*768@75Hz	VGA 1280*1024@60Hz
DVI 800*600@75Hz	DVI 1024*768@75Hz	DVI 1280*1024@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.

Test Mode	Page	Test Mode	Page
VGA 800*600@75Hz	P22	DVI 800*600@75Hz	P25
VGA 1024*768@75Hz	P23	DVI 1024*768@75Hz	P26
VGA 1280*1024@60Hz	P24	DVI 1280*1024@60Hz	P27

NOTE 1 – Emission Level = Meter Reading + Factor.
NOTE 2 – Factor = Antenna Factor + Cable Loss.
NOTE 3 – The emission levels that are 20dB below the official limit are not reported.
NOTE 4 – All reading are Quasi-Peak values below 1GHz and Average values equal or above 1GHz.
NOTE 5 – All the emissions (>1GHz) not reported are too low to be measured. Please refer to section Appendix I – 2 for the photos of testing setup.
NOTE 6 – 0° was the table front facing the antenna. Degree is calculated from 0° clockwise facing the antenna.
NOTE 7 – The worst case is for VGA 1280*1024@60Hz mode. The worst emission at horizontal polarization was detected at 800.18 MHz with corrected signal level of 24.723dB (μV/m) (limit is 37.000 dB (μV/m)), when the antenna was 2.36 m height and the turntable was at 225°. The worst emission at vertical polarization was detected at 30.00 MHz with corrected signal level of 28.818 dB (μV/m) (limit is 30.000 dB (μV/m)), when the antenna was 2.31 m height and the turntable was at 45°.

EUT	:	LCD Monitor	Temperature :	15.7℃
Model No.	:	L1953TS	Humidity :	47%
Serial No.	:	E07010603	Date of Test :	Jan 11, 2007
Test Mode	:	VGA 800*600@75Hz		

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	**121.18**	**5.465**	**11.947**	**1.525**	**18.937**	**30.000**	**11.063**
	196.84	2.854	9.030	2.030	13.914	30.000	16.086
	363.68	1.854	14.830	2.758	19.442	37.000	17.558
	609.09	-2.012	18.900	3.583	20.471	37.000	16.529
	773.99	-2.220	19.760	4.137	21.677	37.000	15.323
	945.68	-2.733	20.638	4.636	22.541	37.000	14.459
Vertical	**31.94**	**9.919**	**16.986**	**0.602**	**27.507**	**30.000**	**2.493**
	53.28	10.070	7.022	0.788	17.880	30.000	12.120
	121.18	11.264	12.147	1.217	24.628	30.000	5.372
	196.84	7.474	9.356	1.635	18.465	30.000	11.535
	363.68	6.851	15.198	2.263	24.312	37.000	12.688
	875.84	-1.976	20.770	3.477	22.271	37.000	14.729

TEST ENGINEER: Dio Yang
(DIO YANG)

EUT	:	LCD Monitor	Temperature :	15.7℃
Model No.	:	L1953TS	Humidity :	47%
Serial No.	:	E07010603	Date of Test :	Jan 11, 2007
Test Mode	:	VGA 1024*768@75Hz		

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	121.18	2.981	11.947	1.525	16.453	30.000	13.547
	138.64	1.403	11.164	1.615	14.182	30.000	15.818
	363.68	1.661	14.830	2.758	19.249	37.000	17.751
	681.84	-1.319	18.965	3.860	21.506	37.000	15.494
	807.94	-2.402	20.049	4.232	21.879	37.000	15.121
	965.08	**-1.579**	**20.609**	**4.698**	**23.728**	**37.000**	**13.272**
Vertical	**31.94**	**9.662**	**16.986**	**0.602**	**27.250**	**30.000**	**2.750**
	121.18	10.298	12.147	1.217	23.662	30.000	6.338
	158.04	7.840	9.919	1.413	19.172	30.000	10.828
	315.18	5.866	13.847	2.064	21.777	37.000	15.223
	366.59	6.996	15.236	2.275	24.507	37.000	12.493
	683.78	-0.471	19.445	3.057	22.031	37.000	14.969

TEST ENGINEER: Dio Yang
(DIO YANG)

EUT	:	LCD Monitor	Temperature :	15.7℃
Model No.	:	L1953TS	Humidity :	47%
Serial No.	:	E07010603	Date of Test :	Jan 11, 2007
Test Mode	:	VGA 1280*1024@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	101.78	3.727	10.883	1.366	15.976	30.000	14.024
	121.18	2.983	11.947	1.525	16.455	30.000	13.545
	235.64	4.977	10.484	2.221	17.682	37.000	19.318
	363.68	2.287	14.830	2.758	19.875	37.000	17.125
	681.84	-0.094	18.965	3.860	22.731	37.000	14.269
	800.18	**0.658**	**19.855**	**4.210**	**24.723**	**37.000**	**12.277**
Vertical	**30.00**	**10.048**	**18.180**	**0.590**	**28.818**	**30.000**	**1.182**
	101.78	7.279	11.146	1.092	19.517	30.000	10.483
	121.18	10.516	12.147	1.217	23.880	30.000	6.120
	269.59	9.794	12.788	1.885	24.467	37.000	12.533
	363.68	7.087	15.198	2.263	24.548	37.000	12.452
	683.78	-0.524	19.445	3.057	21.978	37.000	15.022

TEST ENGINEER: Dio Yang
(DIO YANG)

EUT	:	LCD Monitor	Temperature :	15.7℃
Model No.	:	L1953TS	Humidity :	47%
Serial No.	:	E07010603	Date of Test :	Jan 11, 2007
Test Mode	:	DVI 800*600@75Hz		

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	387.93	1.256	15.439	2.840	19.535	37.000	17.465
	431.58	2.800	16.422	2.994	22.216	37.000	14.784
	541.19	1.946	18.324	3.366	23.636	37.000	13.364
	640.13	**1.431**	**19.079**	**3.701**	**24.211**	**37.000**	**12.789**
	683.78	0.819	19.002	3.867	23.688	37.000	13.312
	740.04	-0.081	19.930	4.041	23.890	37.000	13.110
Vertical	**32.91**	**6.536**	**16.418**	**0.608**	**23.562**	**30.000**	**6.438**
	322.94	6.151	14.068	2.096	22.315	37.000	14.685
	387.93	4.353	15.755	2.362	22.470	37.000	14.530
	431.58	1.930	16.734	2.480	21.144	37.000	15.856
	541.19	2.724	18.922	2.695	24.341	37.000	12.659
	686.69	-0.566	19.494	3.067	21.995	37.000	15.005

TEST ENGINEER: Dio Yang
(DIO YANG)

EUT	:	LCD Monitor	Temperature :	15.7℃
Model No.	:	L1953TS	Humidity :	47%
Serial No.	:	E07010603	Date of Test :	Jan 11, 2007
Test Mode	:	DVI 1024*768@75Hz		

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**	**-1.476**	**18.050**	**0.740**	**17.314**	**30.000**	**12.686**
	387.93	1.256	15.439	2.840	19.535	37.000	17.465
	431.58	2.800	16.422	2.994	22.216	37.000	14.784
	541.19	1.946	18.324	3.366	23.636	37.000	13.364
	683.78	0.819	19.002	3.867	23.688	37.000	13.312
	800.18	-1.465	19.855	4.210	22.600	37.000	14.400
Vertical	**30.97**	**6.124**	**17.574**	**0.596**	**24.294**	**30.000**	**5.706**
	121.18	2.079	12.147	1.217	15.443	30.000	14.557
	322.94	6.151	14.068	2.096	22.315	37.000	14.685
	387.93	4.353	15.755	2.362	22.470	37.000	14.530
	541.19	2.724	18.922	2.695	24.341	37.000	12.659
	686.69	-0.566	19.494	3.067	21.995	37.000	15.005

TEST ENGINEER: Dio Yang
(DIO YANG)

EUT	:	LCD Monitor	Temperature :	15.7℃
Model No.	:	L1953TS	Humidity :	47%
Serial No.	:	E07010603	Date of Test :	Jan 11, 2007
Test Mode	:	DVI 1280*1024@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	322.94	2.245	13.809	2.619	18.673	37.000	18.327
	431.58	2.531	16.422	2.994	21.947	37.000	15.053
	640.13	**6.116**	**19.079**	**3.701**	**28.896**	**37.000**	**8.104**
	683.78	0.457	19.002	3.867	23.326	37.000	13.674
	740.04	1.409	19.930	4.041	25.380	37.000	11.620
	800.18	2.901	19.855	4.210	26.966	37.000	10.034
Vertical	**33.91**	**6.725**	**16.418**	**0.608**	**23.751**	**30.000**	**6.249**
	322.94	3.411	14.068	2.096	19.575	37.000	17.425
	387.93	4.459	15.755	2.362	22.576	37.000	14.424
	541.19	0.388	18.922	2.695	22.005	37.000	14.995
	640.13	0.627	19.510	2.917	23.054	37.000	13.946
	681.84	0.087	19.411	3.051	22.543	37.000	14.457

TEST ENGINEER: Dio Yang
(DIO YANG)

5 DEVIATION TO TEST SPECIFICATIONS

None

6 DEBUG DESCRIPTION

Name	M/N:	Specifications (mm)	Manufacturer	Location
Aluminum foil	T-308	50*30	DAEHUNG SUBSIDIARY MATERIALS.	Reference to internal photos Figure 2, 3, 9, 10, 11, 13, 14
Conductive Tape	--	30	Cateron	Reference to internal photos Figure 18