

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

LCD Monitor

Model No.: L226WUQS

Serial No.: 802NDYG27458

FCC ID : BEJL226WTQS

Prepared For : LG Electronics U.S.A., Inc.
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Report No. : ACI-F08008
Date of Test : Feb 22 – 26, 2008
Date of Report : Feb 28, 2008

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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. : L226WUQS
(B) Serial No. : 802NDYG27458
(C) Power Supply : 120V/60Hz

Test Procedure Used:

*FCC RULES AND REGULATIONS PART 15 SUBPART B CLASS B 2007.10
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: L226WUQS; S/N: 802NDYG27458) which was tested in 3m anechoic chamber on Feb 22 – 26, 2008 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 : Feb 22 – 26, 2008

Prepared By: Kathy Wang 2008.3.3
KATHY WANG / Assistant

Reviewer: Dio Yang 2008.3.3
DIO YANG / Supervisor

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

Approved Signatory: Sammy Chen 2008.3.3
Authorized Signature EMC SAMMY CHEN / 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 2007.10 AND ANSI C63.4-2003	Pass	15.107(a) Class B
Radiated Disturbance	FCC RULES AND REGULATIONS PART 15 SUBPART B 2007.10 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.	:	L226WUQS
Serial No.	:	802NDYG27458
Real Power	:	41.5W
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
Panel	:	Manufacturer: LG. PHILIPS LCD M/N : LM 220WE1 (TL) (D1)
Max Resolution	:	1680*1050@60Hz.
USB Cable	:	Shielded, Detachable, 1.80m
D-Sub Cable	:	Shielded, Detachable, 1.85m, with two cores
DVI Cable	:	Shielded, Detachable, 1.90m, with two cores
Power Cord	:	Shielded, Detachable, 1.90m

Remark:

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

- (1) One DVI Input Port
: Connected with PC
- (2) One D-Sub Input Port
: Connected with PC
- (3) One USB Upstream Port
: Connected with PC
- (4) Two USB Downstream Ports
: Connected with USB HDD
- (5) AC In Port
: Connected with Power

2.2 Peripherals

2.2.1 PC

Manufacturer : HP
Model Number : dx6120MT
Serial Number : CNG53004J2
Power Cord : 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 Printer

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

2.2.3 Keyboard

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

2.2.4 Mouse

Manufacturer : Microsoft
Model Number : RT2300
Serial Number : 6965712071551
Data Cable : Shielded, Undetachable, 1.80m.
Certificate : FCC DoC, VCCI, CE/EMC, MIC, GS

2.2.5 Modem

Manufacturer : TP-LINK
Model Number : TM-EC5658V
Serial Number : 07123301053
Data Cable : Shielded, Detachable, 1.8m
Certificate : FCC DoC, CE/EMC, CCC

2.2.6 USB HDD #1

Manufacturer : AACOM
Model Number : F12-UF
Serial Number : A0100215-49f0005
Data Cable : Shielded, Detachable, 1.86m
Certificate : FCC DoC, CE/EMC, BSMI (3902C223)

2.2.7 USB HDD #2

Manufacturer : AACOM
Model Number : F12-UF
Serial Number : A0100222-4860006
Data Cable : Shielded, Detachable, 1.86m
Certificate : FCC DoC, CE/EMC, BSMI (3902C223)

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

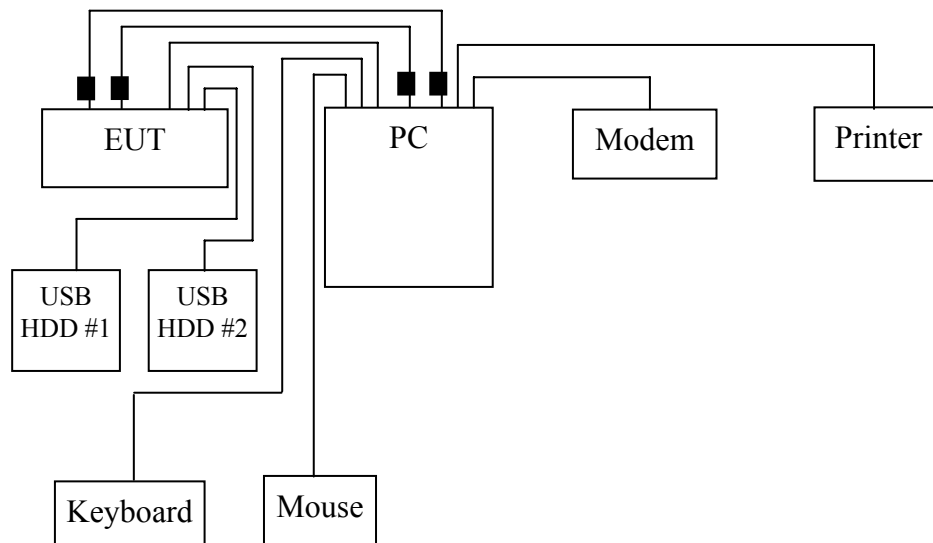
3.1 Test Equipment

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	Oct 26, 2007	Oct 26, 2008
2.	Artificial Mains Network (AMN)	R&S	ESH2-Z5	843890/011	Apr 06, 2007	Apr 06, 2008
3.	Line Impedance Stabilization Network (LISN)	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.	50 Ω Terminator	Anritsu	BNC	001	May 11, 2007	May 11, 2008
6.	Software	Audix	E3	SET00200 9804M592	--	--

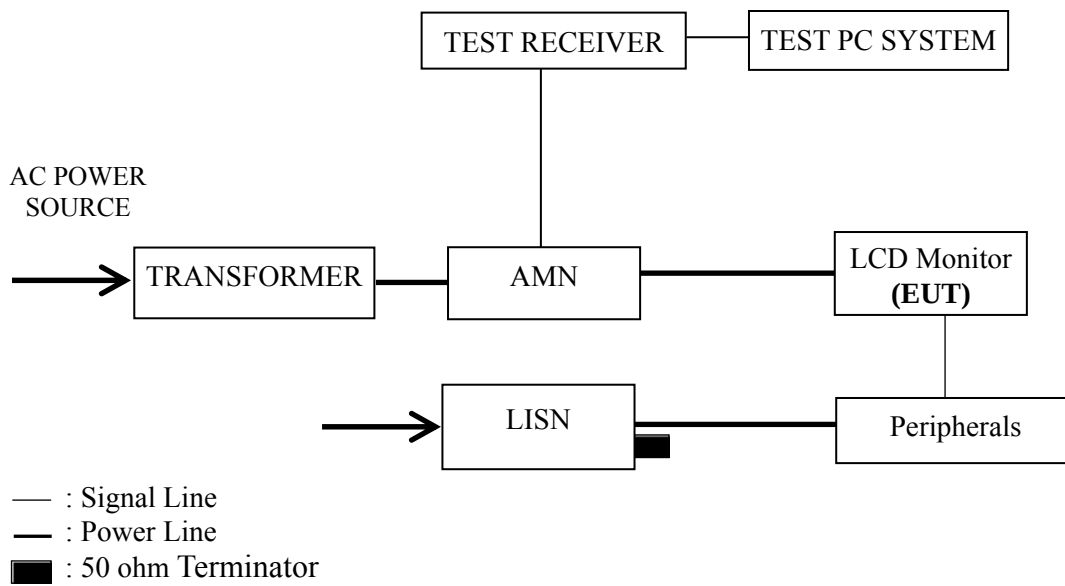
3.2 Block Diagram of Test Setup

3.2.1 EUT & Peripherals



■ : 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

3.4 Test Configuration

The EUT (listed in Sec.2.1) and the peripherals (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 peripherals 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 & brightness of EUT to maximum.

3.5.4 PC system ran the self-test program “EMC Test” by windows XP and sent “H” characters to EUT through graphic card, the EUT’s screen displayed and filled with “H” pattern by it’s resolution. (Via D-Sub or DVI or USB Upstream Input). Two USB HDDs connected to the USB downstream ports of EUT, PC recognized the USB devices and running a test software that makes USB HDDs follow a read-write-erase sequence.

3.5.5 Repeat above procedure from 3.5.3 to 3.5.4 for difference test mode.

3.5.6 The other peripherals devices were driven and operated during the test.

3.5.7 The test modes are as follows:

VGA 640*480@60Hz & USB Connecting
VGA 1024*768@60Hz& USB Connecting
VGA 1680*1050@60Hz& USB Connecting
DVI 640*480@60Hz& USB Connecting
DVI 1024*768@60Hz& USB Connecting
DVI 1680*1050@60Hz& USB Connecting
USB 640*480@60Hz& USB Connecting
USB 1024*768@60Hz& USB Connecting
USB 1680*1050@60Hz& USB Connecting

3.6 Test Procedures

The EUT and peripherals were connected to the power mains through an Artificial Mains Network (AMN). This provided a 50 ohm coupling impedance for the measuring equipment.

Both sides of AC line (Line & Neutral) 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.

Test Mode	Data Page
VGA 640*480@60Hz & USB Connecting	P12
VGA 1024*768@60Hz& USB Connecting	P13
VGA 1680*1050@60Hz& USB Connecting	P14
DVI 640*480@60Hz& USB Connecting	P15
DVI 1024*768@60Hz& USB Connecting	P16
DVI 1680*1050@60Hz& USB Connecting	P17
USB 640*480@60Hz& USB Connecting	P18
USB 1024*768@60Hz& USB Connecting	P19
USB 1680*1050@60Hz& USB Connecting	P20

NOTE 1 – Factor = Cable Loss + AMN Factor.

NOTE 2 – Emission Level = Meter Reading + Factor.

NOTE 3 – “QP” means “Quasi-Peak” values, “AV” means “Average” values.

NOTE 4 – The worst case is for USB 640*480@60Hz & USB Connecting mode. The worst emission is detected at 2.43500 MHz (Average Value) with corrected signal level of 36.23 (μV) (limit is 46.00 dB (μV)) when the Neutral of the EUT is connected to AMN.

EUT : LCD Monitor Temperature : 22°C

Model No. : L226WUQS Humidity : 60%

Serial No. : 802NDYG27458 Date of Test : Feb 22, 2008

Test Mode : VGA 640*480@60Hz & USB Connecting

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.15240	43.50	0.66	44.16	65.87	21.71	QP
	0.20396	44.49	0.74	45.23	63.45	18.22	
	0.34100	38.00	0.69	38.69	59.18	20.49	
	0.46861	35.09	0.67	35.76	56.54	20.78	
	2.35800	42.21	0.52	42.73	56.00	13.27	
	2.43500	42.99	0.54	43.53	56.00	12.47	
	0.15240	40.60	0.66	41.26	55.87	14.61	AV
	0.20396	35.79	0.74	36.53	53.45	16.92	
	0.34100	30.20	0.69	30.89	49.18	18.29	
	0.46861	28.29	0.67	28.96	46.54	17.58	
	2.35800	30.80	0.52	31.32	46.00	14.68	
	2.43500	31.19	0.54	31.73	46.00	14.27	
Neutral	0.15000	43.10	0.53	43.63	66.00	22.37	QP
	0.20396	42.40	0.67	43.07	63.45	20.38	
	0.33562	34.41	0.65	35.06	59.31	24.25	
	0.40187	31.79	0.66	32.45	57.81	25.36	
	0.46861	31.30	0.65	31.95	56.54	24.59	
	2.23700	42.80	0.52	43.32	56.00	12.68	
	0.15000	40.50	0.53	41.03	56.00	14.97	AV
	0.20396	35.30	0.67	35.97	53.45	17.48	
	0.33562	30.51	0.65	31.16	49.31	18.15	
	0.40187	27.99	0.66	28.65	47.81	19.16	
	0.46861	28.50	0.65	29.15	46.54	17.39	
	2.23700	30.90	0.52	31.42	46.00	14.58	

TEST ENGINEER: TOM SI

EUT : LCD Monitor Temperature : 22°C

Model No. : L226WUQS Humidity : 60%

Serial No. : 802NDYG27458 Date of Test : Feb 22, 2008

Test Mode : VGA 1024*768@60Hz
& USB Connecting

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.15000	40.80	0.66	41.46	66.00	24.54	QP
	0.20000	41.40	0.74	42.14	63.61	21.47	
	0.26700	35.20	0.71	35.91	61.21	25.30	
	0.33700	35.60	0.69	36.29	59.28	22.99	
	0.46800	34.09	0.67	34.76	56.55	21.79	
	2.35000	41.50	0.52	42.02	56.00	13.98	
	0.15000	24.50	0.66	25.16	56.00	30.84	AV
	0.20000	33.80	0.74	34.54	53.61	19.07	
	0.26700	32.60	0.71	33.31	51.21	17.90	
	0.33700	32.10	0.69	32.79	49.28	16.49	
	0.46800	30.39	0.67	31.06	46.55	15.49	
	2.35000	35.40	0.52	35.92	46.00	10.08	
Neutral	0.15000	40.80	0.53	41.33	66.00	24.67	QP
	0.20200	42.00	0.67	42.67	63.53	20.86	
	0.29700	31.50	0.66	32.16	60.33	28.17	
	0.33700	34.51	0.65	35.16	59.28	24.12	
	0.46800	31.00	0.65	31.65	56.55	24.90	
	2.21000	40.00	0.52	40.52	56.00	15.48	
	0.15000	22.50	0.53	23.03	56.00	32.97	AV
	0.20200	35.80	0.67	36.47	53.53	17.06	
	0.29700	30.70	0.66	31.36	50.33	18.97	
	0.33700	30.31	0.65	30.96	49.28	18.32	
	0.46800	28.50	0.65	29.15	46.55	17.40	
	2.21000	31.00	0.52	31.52	46.00	14.48	

TEST ENGINEER: TOM SI

EUT : LCD Monitor Temperature : 22°C

Model No. : L226WUQS Humidity : 60%

Serial No. : 802NDYG27458 Date of Test : Feb 22, 2008

Test Mode : VGA 1680*1050@60Hz
& USB Connecting

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	40.20	0.67	40.87	65.78	40.20	24.91	QP
	41.00	0.74	41.74	63.61	41.00	21.87	
	35.10	0.71	35.81	61.18	35.10	25.37	
	35.30	0.69	35.99	59.28	35.30	23.29	
	33.99	0.67	34.66	56.55	33.99	21.89	
	40.80	0.51	41.31	56.00	40.80	14.69	
	23.40	0.67	24.07	55.78	23.40	31.71	AV
	33.80	0.74	34.54	53.61	33.80	19.07	
	32.60	0.71	33.31	51.18	32.60	17.87	
	32.00	0.69	32.69	49.28	32.00	16.59	
	30.29	0.67	30.96	46.55	30.29	15.59	
	35.20	0.51	35.71	46.00	35.20	10.29	
Neutral	0.15000	40.50	0.53	41.03	66.00	24.97	QP
	0.20000	41.70	0.67	42.37	63.61	21.24	
	0.33400	34.41	0.65	35.06	59.35	24.29	
	0.40100	29.99	0.66	30.65	57.83	27.18	
	0.46800	30.90	0.65	31.55	56.55	25.00	
	2.24000	39.40	0.52	39.92	56.00	16.08	
	0.15000	23.10	0.53	23.63	56.00	32.37	AV
	0.20000	35.60	0.67	36.27	53.61	17.34	
	0.33400	30.51	0.65	31.16	49.35	18.19	
	0.40100	28.49	0.66	29.15	47.83	18.68	
	0.46800	28.60	0.65	29.25	46.55	17.30	
	2.24000	29.30	0.52	29.82	46.00	16.18	

TEST ENGINEER: TOM SI

EUT : LCD Monitor Temperature : 22°C

Model No. : L226WUQS Humidity : 60%

Serial No. : 802NDYG27458 Date of Test : Feb 22, 2008

Test Mode : DVI 640*480@60Hz & USB Connecting

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.15000	41.80	0.66	42.46	66.00	23.54	QP
	0.19654	41.29	0.74	42.03	63.76	21.73	
	0.26866	36.20	0.71	36.91	61.16	24.25	
	0.33740	35.20	0.69	35.89	59.27	23.38	
	0.46861	34.79	0.67	35.46	56.54	21.08	
	2.32100	40.20	0.52	40.72	56.00	15.28	
	0.15000	24.80	0.66	25.46	56.00	30.54	AV
	0.19654	33.69	0.74	34.43	53.76	19.33	
	0.26866	33.50	0.71	34.21	51.16	16.95	
	0.33740	33.10	0.69	33.79	49.27	15.48	
	0.46861	31.09	0.67	31.76	46.54	14.78	
	2.32100	33.10	0.52	33.62	46.00	12.38	
Neutral	0.15080	42.00	0.53	42.53	65.96	23.43	QP
	0.19969	41.20	0.67	41.87	63.62	21.75	
	0.25345	35.20	0.66	35.86	61.64	25.78	
	0.33562	34.81	0.65	35.46	59.31	23.85	
	0.46861	35.10	0.65	35.75	56.54	20.79	
	2.43500	38.89	0.54	39.43	56.00	16.57	
	0.15080	24.30	0.53	24.83	55.96	31.13	AV
	0.19969	34.20	0.67	34.87	53.62	18.75	
	0.25345	32.50	0.66	33.16	51.64	18.48	
	0.33562	31.81	0.65	32.46	49.31	16.85	
	0.46861	31.20	0.65	31.85	46.54	14.69	
	2.43500	32.39	0.54	32.93	46.00	13.07	

TEST ENGINEER: TOM SI

EUT : LCD Monitor Temperature : 22°C

Model No. : L226WUQS Humidity : 60%

Serial No. : 802NDYG27458 Date of Test : Feb 22, 2008

Test Mode : DVI 1024*768@60Hz & USB Connecting

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.15321	41.60	0.66	42.26	65.82	23.56	QP
	0.19654	40.89	0.74	41.63	63.76	22.13	
	0.27009	34.80	0.71	35.51	61.12	25.61	
	0.33562	34.60	0.69	35.29	59.31	24.02	
	0.46861	34.19	0.67	34.86	56.54	21.68	
	2.32100	39.60	0.52	40.12	56.00	15.88	
	0.15321	23.80	0.66	24.46	55.82	31.36	AV
	0.19654	33.49	0.74	34.23	53.76	19.53	
	0.27009	32.20	0.71	32.91	51.12	18.21	
	0.33562	31.20	0.69	31.89	49.31	17.42	
	0.46861	30.79	0.67	31.46	46.54	15.08	
	2.32100	32.00	0.52	32.52	46.00	13.48	
Neutral	0.15000	42.10	0.53	42.63	66.00	23.37	QP
	0.20396	40.60	0.67	41.27	63.45	22.18	
	0.29554	35.60	0.66	36.26	60.37	24.11	
	0.33740	34.91	0.65	35.56	59.27	23.71	
	0.46861	34.80	0.65	35.45	56.54	21.09	
	2.43500	39.59	0.54	40.13	56.00	15.87	
	0.15000	23.90	0.53	24.43	56.00	31.57	AV
	0.20396	32.90	0.67	33.57	53.45	19.88	
	0.29554	33.50	0.66	34.16	50.37	16.21	
	0.33740	32.11	0.65	32.76	49.27	16.51	
	0.46861	30.70	0.65	31.35	46.54	15.19	
	2.43500	31.79	0.54	32.33	46.00	13.67	

TEST ENGINEER: TOM SI

EUT : LCD Monitor Temperature : 22°C

Model No. : L226WUQS Humidity : 60%

Serial No. : 802NDYG27458 Date of Test : Feb 22, 2008

Test Mode : DVI 1680*1050@60Hz
& USB Connecting

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.15000	41.10	0.66	41.76	66.00	24.24	QP
	0.20000	40.90	0.74	41.64	63.61	21.97	
	0.26800	35.10	0.71	35.81	61.18	25.37	
	0.33600	34.40	0.69	35.09	59.30	24.21	
	0.46800	34.19	0.67	34.86	56.55	21.69	
	2.21000	39.41	0.50	39.91	56.00	16.09	
	0.15000	23.60	0.66	24.26	56.00	31.74	AV
	0.20000	33.60	0.74	34.34	53.61	19.27	
	0.26800	32.80	0.71	33.51	51.18	17.67	
	0.33600	31.50	0.69	32.19	49.30	17.11	
	0.46800	30.59	0.67	31.26	46.55	15.29	
	2.21000	32.01	0.50	32.51	46.00	13.49	
Neutral	0.15300	40.20	0.54	40.74	65.84	25.10	QP
	0.20100	41.70	0.67	42.37	63.57	21.20	
	0.33700	34.41	0.65	35.06	59.28	24.22	
	0.40000	29.99	0.66	30.65	57.85	27.20	
	0.46800	31.50	0.65	32.15	56.55	24.40	
	2.42000	38.59	0.54	39.13	56.00	16.87	
	0.15300	23.40	0.54	23.94	55.84	31.90	AV
	0.20100	35.70	0.67	36.37	53.57	17.20	
	0.33700	30.51	0.65	31.16	49.28	18.12	
	0.40000	28.79	0.66	29.45	47.85	18.40	
	0.46800	28.60	0.65	29.25	46.55	17.30	
	2.42000	29.99	0.54	30.53	46.00	15.47	

TEST ENGINEER: TOM SI

EUT : LCD Monitor Temperature : 22°C

Model No. : L226WUQS Humidity : 60%

Serial No. : 802NDYG27458 Date of Test : Feb 22, 2008

Test Mode : USB 640*480@60Hz &
USB Connecting

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.15080	42.40	0.53	42.93	65.96	23.03	QP
	0.20396	45.80	0.67	46.47	63.45	16.98	
	0.27297	36.10	0.66	36.76	61.03	24.27	
	0.33740	37.61	0.65	38.26	59.27	21.01	
	0.46861	31.50	0.65	32.15	56.54	24.39	
	2.23700	41.74	0.52	42.26	56.00	13.74	
	0.15080	24.70	0.53	25.23	55.96	30.73	AV
	0.20396	26.80	0.67	27.47	53.45	25.98	
	0.27297	30.40	0.66	31.06	51.03	19.97	
	0.33740	25.71	0.65	26.36	49.27	22.91	
	0.46861	26.70	0.65	27.35	46.54	19.19	
	2.23700	31.90	0.52	32.42	46.00	13.58	
Neutral	0.15080	42.70	0.66	43.36	65.96	22.60	QP
	0.20289	47.59	0.74	48.33	63.49	15.16	
	0.26866	40.90	0.71	41.61	61.16	19.55	
	0.46861	34.09	0.67	34.76	56.54	21.78	
	0.63383	34.20	0.61	34.81	56.00	21.19	
	2.43500	41.79	0.54	42.33	56.00	13.67	
	0.15080	28.90	0.66	29.56	55.96	26.40	AV
	0.20289	35.59	0.74	36.33	53.49	17.16	
	0.26866	31.90	0.71	32.61	51.16	18.55	
	0.46861	28.69	0.67	29.36	46.54	17.18	
	0.63383	24.60	0.61	25.21	46.00	20.79	
	2.43500	35.69	0.54	36.23	46.00	9.77	

TEST ENGINEER: TOM SI

EUT : LCD Monitor Temperature : 22°C

Model No. : L226WUQS Humidity : 60%

Serial No. : 802NDYG27458 Date of Test : Feb 22, 2008

Test Mode : USB 1024*768@60Hz &
USB Connecting

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.15080	41.90	0.53	42.43	65.96	23.53	QP
	0.20075	46.10	0.67	46.77	63.58	16.81	
	0.27009	36.50	0.66	37.16	61.12	23.96	
	0.34100	36.51	0.65	37.16	59.18	22.02	
	0.46861	31.30	0.65	31.95	56.54	24.59	
	2.34600	39.20	0.53	39.73	56.00	16.27	
	0.15080	29.40	0.53	29.93	55.96	26.03	AV
	0.20075	36.70	0.67	37.37	53.58	16.21	
	0.27009	26.80	0.66	27.46	51.12	23.66	
	0.34100	27.81	0.65	28.46	49.18	20.72	
	0.46861	25.40	0.65	26.05	46.54	20.49	
	2.34600	28.50	0.53	29.03	46.00	16.97	
Neutral	0.15567	43.70	0.67	44.37	65.69	21.32	QP
	0.20396	47.89	0.74	48.63	63.45	14.82	
	0.27009	41.20	0.71	41.91	61.12	19.21	
	0.33740	38.50	0.69	39.19	59.27	20.08	
	0.46861	34.29	0.67	34.96	56.54	21.58	
	2.43500	41.29	0.54	41.83	56.00	14.17	
	0.15567	29.70	0.67	30.37	55.69	25.32	AV
	0.20396	34.89	0.74	35.63	53.45	17.82	
	0.27009	32.60	0.71	33.31	51.12	17.81	
	0.33740	28.70	0.69	29.39	49.27	19.88	
	0.46861	26.89	0.67	27.56	46.54	18.98	
	2.43500	34.79	0.54	35.33	46.00	10.67	

TEST ENGINEER: TOM SI

EUT : LCD Monitor Temperature : 22°C

Model No. : L226WUQS Humidity : 60%

Serial No. : 802NDYG27458 Date of Test : Feb 22, 2008

Test Mode : USB 1680*1050@60Hz
& USB Connecting

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.15321	41.20	0.54	41.74	65.82	24.08	QP
	0.20289	45.80	0.67	46.47	63.49	17.02	
	0.27297	38.80	0.66	39.46	61.03	21.57	
	0.33740	37.41	0.65	38.06	59.27	21.21	
	0.46861	31.30	0.65	31.95	56.54	24.59	
	2.43500	39.29	0.54	39.83	56.00	16.17	
	0.15321	28.70	0.54	29.24	55.82	26.58	AV
	0.20289	36.90	0.67	37.57	53.49	15.92	
	0.27297	32.40	0.66	33.06	51.03	17.97	
	0.33740	31.21	0.65	31.86	49.27	17.41	
	0.46861	25.60	0.65	26.25	46.54	20.29	
	2.43500	29.69	0.54	30.23	46.00	15.77	
Neutral	0.15240	41.50	0.66	42.16	65.87	23.71	QP
	0.20396	45.19	0.74	45.93	63.45	17.52	
	0.25615	32.30	0.72	33.02	61.56	28.54	
	0.33562	36.10	0.69	36.79	59.31	22.52	
	0.46861	34.29	0.67	34.96	56.54	21.58	
	2.36000	38.51	0.52	39.03	56.00	16.97	
	0.15240	14.90	0.66	15.56	55.87	40.31	AV
	0.20396	37.39	0.74	38.13	53.45	15.32	
	0.25615	29.40	0.72	30.12	51.56	21.44	
	0.33562	32.40	0.69	33.09	49.31	16.22	
	0.46861	31.19	0.67	31.86	46.54	14.68	
	2.36000	33.51	0.52	34.03	46.00	11.97	

TEST ENGINEER: TOM SI

4 RADIATED EMISSION TEST

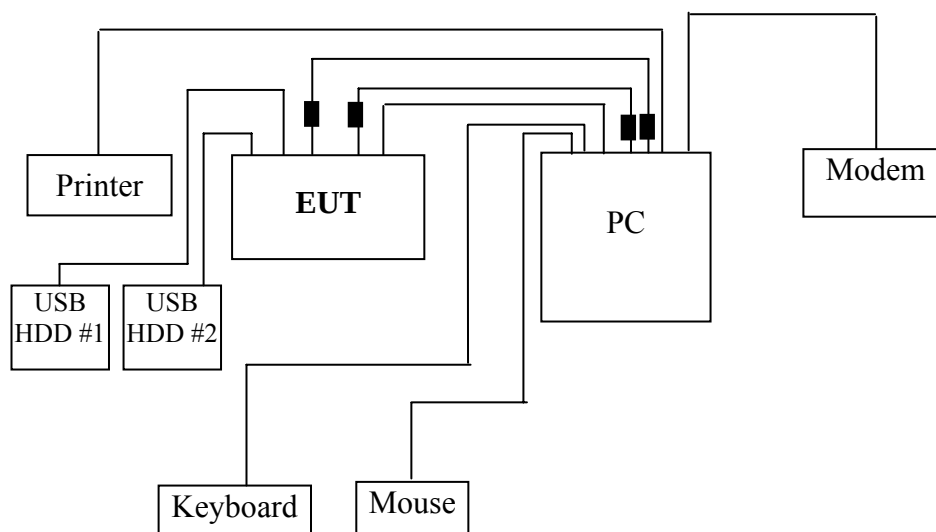
4.1 Test Equipment

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	Oct 26, 2007	Oct 26, 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	TESEQ	CBL6112D	23193	Aug 16, 2007	Aug 16, 2008
5.	Spectrum	Agilent	E7405A	MY45106600	Apr 06, 2007	Apr 06, 2008
6.	Software	Audix	E3	SET00200 9912M295-2	--	--

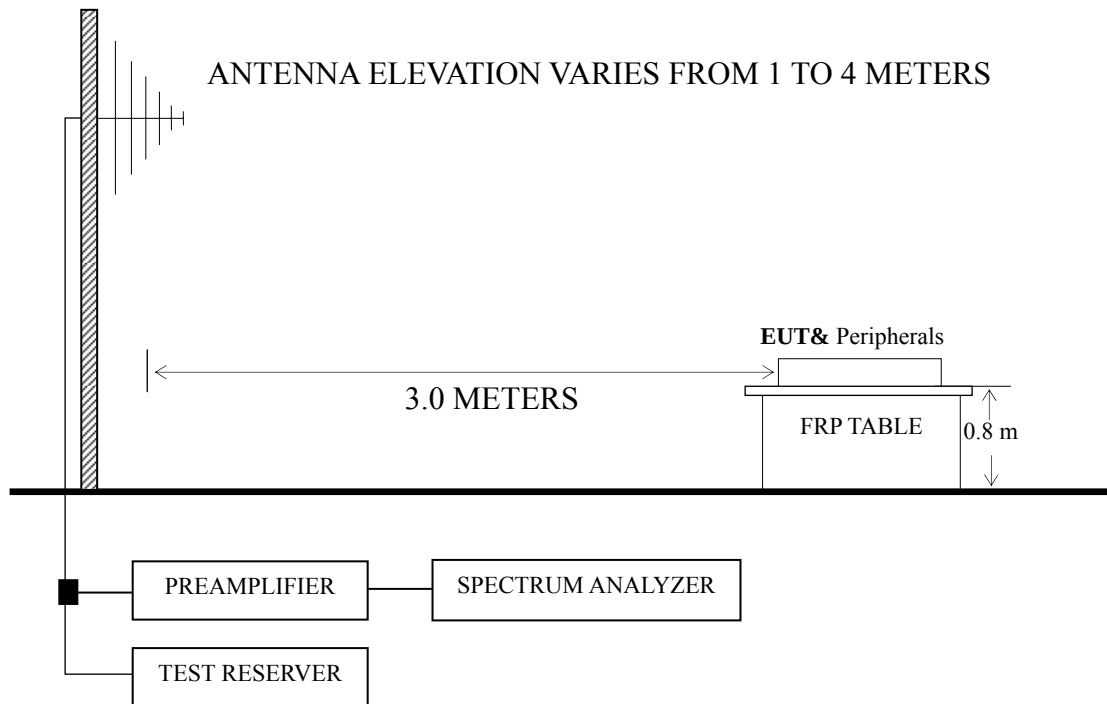
4.2 Block Diagram of Test Setup

4.2.1 EUT and Peripherals



■ : 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.

NOTE 5 - Above 1 GHz, the limit on peak emission is 20 dB above the maximum permitted average emission limit applicable to the EUT

4.4 Test Configuration

The configuration of the EUT and Peripherals 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 for the test setup replaced by Sec.4.2.

4.6 Test Procedures

The EUT and Peripherals were placed on a FRP turntable that is 0.8 meter above ground. The FRP 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. Broadband antenna (Calibrated Bilog Antenna) was used as receiving antenna. The antenna moved up and down between 1 meter and 4 meters to find out the maximum emission level. 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 1000 MHz was checked for all test modes.

The frequency range from 1 GHz to 2 GHz was checked for VGA/DVI/USB 1680*1050@60Hz & USB Connecting modes.

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

4.7 Test Results

<PASS>

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

Test Mode	Data Page
VGA 640*480@60Hz & USB Connecting	P25
VGA 1024*768@60Hz& USB Connecting	P26
VGA 1680*1050@60Hz& USB Connecting	P27
DVI 640*480@60Hz& USB Connecting	P28
DVI 1024*768@60Hz& USB Connecting	P29
DVI 1680*1050@60Hz& USB Connecting	P30
USB 640*480@60Hz& USB Connecting	P31
USB 1024*768@60Hz& USB Connecting	P32
USB 1680*1050@60Hz& USB Connecting	P33

NOTE 1 – Emission Level = Antenna Factor + Cable Loss + Meter Reading.(< 1GHz)

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

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 DVI 1680*1050@60Hz & USB Connecting test mode. The worst emission at horizontal polarization was detected at 818.61 MHz with corrected signal level of 42.47 dB (μV/m) (limit is 46.00 dB (μV/m)), when the antenna was 1.00 m height and the turntable was at 135°. The worst emission at vertical polarization was detected at 814.73 MHz with corrected signal level of 42.99 dB (μV/m) (limit is 46.00 dB (μV/m)), when the antenna was 1.00 m height and the turntable was at 40°.

EUT : LCD Monitor Temperature : 22°C

Model No. : L226WUQS Humidity : 60%

Serial No. : 802NDYG27458 Date of Test : Feb 26, 2008

Test Mode : VGA 640*480@60Hz
& USB Connecting

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	246.31	21.35	11.66	2.77	35.78	46.00	10.22
	347.19	20.54	14.33	3.37	38.24	46.00	7.76
	395.69	18.84	15.60	3.59	38.03	46.00	7.97
	482.02	15.26	17.21	3.92	36.39	46.00	9.61
	594.54	16.98	18.75	4.22	39.95	46.00	6.05
	806.97	15.41	20.22	5.40	41.03	46.00	4.97
Vertical	32.91	17.13	16.30	0.92	34.35	40.00	5.65
	113.42	20.25	11.20	1.81	33.26	43.50	10.24
	349.13	21.63	14.42	3.38	39.43	46.00	6.57
	622.67	14.72	19.09	4.38	38.19	46.00	7.81
	713.85	15.02	19.80	4.90	39.72	46.00	6.28
	806.97	16.52	20.22	5.40	42.14	46.00	3.86

TEST ENGINEER: JACKY CHEN

EUT : LCD Monitor Temperature : 22°C

Model No. : L226WUQS Humidity : 60%

Serial No. : 802NDYG27458 Date of Test : Feb 26, 2008

Test Mode : VGA 1024*768@60Hz
& USB Connecting

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	132.82	15.60	11.20	1.97	28.77	43.50	14.73
	243.40	20.49	11.23	2.75	34.47	46.00	11.53
	276.38	21.43	12.26	2.98	36.67	46.00	9.33
	395.69	19.20	15.60	3.59	38.39	46.00	7.61
	483.96	16.00	17.23	3.94	37.17	46.00	8.83
	806.00	17.35	20.22	5.40	42.97	46.00	3.03
Vertical	32.91	16.57	16.30	0.92	33.79	40.00	6.21
	112.45	19.71	11.20	1.80	32.71	43.50	10.79
	200.72	21.31	8.68	2.33	32.32	43.50	11.18
	353.98	21.21	14.55	3.40	39.16	46.00	6.84
	486.87	21.63	17.24	3.94	42.81	46.00	3.19
	684.75	15.38	19.01	4.75	39.14	46.00	6.86

TEST ENGINEER: JACKY CHEN

EUT : LCD Monitor Temperature : 22°C

Model No. : L226WUQS Humidity : 60%

Serial No. : 802NDYG27458 Date of Test : Feb 26, 2008

Test Mode : VGA 1680*1050@60Hz
& USB Connecting

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	130.88	17.03	11.32	1.95	--	30.30	43.50	13.20	QP
	246.31	21.65	11.66	2.77	--	36.08	46.00	9.92	
	386.96	16.91	15.20	3.55	--	35.66	46.00	10.34	
	482.02	17.57	17.21	3.92	--	38.70	46.00	7.30	
	713.85	12.42	19.80	4.90	--	37.12	46.00	8.88	
	804.06	16.95	20.08	5.40	--	42.43	46.00	3.57	
	1048.00	57.24	22.42	6.22	37.56	48.32	74.00	25.68	PK
	1180.00	56.24	23.45	6.71	37.22	49.18	74.00	24.82	
	1315.00	58.12	23.64	6.92	36.91	51.77	74.00	22.23	
	1454.00	52.98	25.10	7.07	36.62	48.53	74.00	25.47	
	1640.00	50.14	25.65	7.94	36.27	47.46	74.00	26.54	
	1852.00	47.41	26.58	8.81	35.92	46.88	74.00	27.12	
Vertical	32.91	16.74	16.30	0.92	--	33.96	40.00	6.04	QP
	113.42	20.16	11.20	1.81	--	33.17	43.50	10.33	
	353.01	19.82	14.53	3.40	--	37.75	46.00	8.25	
	454.86	21.92	16.40	3.82	--	42.14	46.00	3.86	
	690.57	15.75	19.07	4.78	--	39.60	46.00	6.40	
	805.03	16.88	20.08	5.40	--	42.36	46.00	3.64	
	1028.00	59.93	22.00	6.14	37.62	50.45	74.00	23.55	PK
	1113.00	58.10	22.33	6.47	37.39	49.51	74.00	24.49	
	1272.00	56.54	23.42	6.86	37.01	49.81	74.00	24.19	
	1422.00	55.07	24.89	7.05	36.68	50.33	74.00	23.67	
	1530.00	53.95	25.12	7.30	36.47	49.90	74.00	24.10	
	1829.00	48.33	26.22	8.70	35.95	47.30	74.00	26.70	

TEST ENGINEER: JACKY CHEN

EUT : LCD Monitor Temperature : 22°C

Model No. : L226WUQS Humidity : 60%

Serial No. : 802NDYG27458 Date of Test : Feb 26, 2008

Test Mode : DVI 640*480@60Hz & USB Connecting

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	132.82	15.54	11.20	1.97	28.71	43.50	14.79
	239.52	19.95	10.90	2.71	33.56	46.00	12.44
	269.59	21.76	12.40	2.93	37.09	46.00	8.91
	394.72	22.69	15.60	3.59	41.88	46.00	4.12
	594.54	15.99	18.75	4.22	38.96	46.00	7.04
	815.70	16.74	20.40	5.42	42.56	46.00	3.44
Vertical	32.91	17.33	16.30	0.92	34.55	40.00	5.45
	193.93	23.82	8.45	2.30	34.57	43.50	8.93
	239.52	25.05	10.90	2.71	38.66	46.00	7.34
	394.72	21.93	15.60	3.59	41.12	46.00	4.88
	483.96	18.66	17.23	3.94	39.83	46.00	6.17
	814.73	16.62	20.40	5.42	42.44	46.00	3.56

TEST ENGINEER: JACKY CHEN

EUT : LCD Monitor Temperature : 22°C

Model No. : L226WUQS Humidity : 60%

Serial No. : 802NDYG27458 Date of Test : Feb 26, 2008

Test Mode : DVI 1024*768@60Hz
& USB Connecting

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	247.28	20.28	11.77	2.79	34.84	46.00	11.16
	273.47	20.75	12.30	2.96	36.01	46.00	9.99
	392.78	15.42	15.40	3.57	34.39	46.00	11.61
	479.11	13.12	17.20	3.92	34.24	46.00	11.76
	690.57	9.64	19.07	4.78	33.49	46.00	12.51
	806.00	17.08	20.22	5.40	42.70	46.00	3.30
Vertical	32.91	18.04	16.30	0.92	35.26	40.00	4.74
	57.16	27.83	5.45	1.15	34.43	40.00	5.57
	114.39	20.63	11.20	1.81	33.64	43.50	9.86
	350.10	23.50	14.50	3.38	41.38	46.00	4.62
	390.84	21.90	15.30	3.57	40.77	46.00	5.23
	713.85	15.10	19.80	4.90	39.80	46.00	6.20

TEST ENGINEER: JACKY CHEN

EUT : LCD Monitor Temperature : 22°C

Model No. : L226WUQS Humidity : 60%

Serial No. : 802NDYG27458 Date of Test : Feb 26, 2008

Test Mode : DVI 1680*1050@60Hz
& USB Connecting

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	129.91	15.59	11.40	1.94	--	28.93	43.50	14.57	QP
	245.34	22.08	11.55	2.77	--	36.40	46.00	9.60	
	271.53	21.59	12.33	2.94	--	36.86	46.00	9.14	
	350.10	23.51	14.50	3.38	--	41.39	46.00	4.61	
	484.93	20.45	17.23	3.94	--	41.62	46.00	4.38	
	818.61	16.57	20.45	5.45	--	42.47	46.00	3.53	
	1060.00	57.17	22.50	6.26	37.54	48.39	74.00	25.61	PK
	1142.00	57.38	22.44	6.59	37.32	49.09	74.00	24.91	
	1300.00	56.49	23.62	6.91	36.94	50.08	74.00	23.92	
	1466.00	52.28	25.20	7.09	36.59	47.98	74.00	26.02	
	1715.00	51.71	26.27	8.36	36.14	50.20	74.00	23.80	
	1899.00	46.98	27.05	8.93	35.85	47.11	74.00	26.89	
Vertical	32.91	16.66	16.3	0.92	--	33.88	40.00	6.12	QP
	114.39	19.48	11.2	1.81	--	32.49	43.50	11.01	
	329.73	19.29	13.75	3.28	--	36.32	46.00	9.68	
	388.9	17.86	15.25	3.55	--	36.66	46.00	9.34	
	453.89	16.42	16.4	3.82	--	36.64	46.00	9.36	
	814.73	17.17	20.4	5.42	--	42.99	46.00	3.01	
	1042.00	56.67	22.39	6.18	37.58	47.66	74.00	26.34	PK
	1176.00	54.71	23.45	6.71	37.23	47.64	74.00	26.36	
	1291.00	52.98	23.56	6.89	36.96	46.47	74.00	27.53	
	1451.00	53.07	25.10	7.07	36.63	48.61	74.00	25.39	
	1586.00	51.14	25.38	7.66	36.37	47.81	74.00	26.19	
	1840.00	47.98	26.31	8.76	35.93	47.12	74.00	26.88	

TEST ENGINEER: JACKY CHEN

EUT : LCD Monitor Temperature : 22°C

Model No. : L226WUQS Humidity : 60%

Serial No. : 802NDYG27458 Date of Test : Feb 26, 2008

Test Mode : USB 640*480@60Hz
& USB Connecting

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	131.85	17.04	11.24	1.96	30.24	43.50	13.26
	227.88	19.16	9.35	2.60	31.11	46.00	14.89
	350.10	20.46	14.50	3.38	38.34	46.00	7.66
	391.81	22.14	15.40	3.57	41.11	46.00	4.89
	482.99	19.01	17.23	3.92	40.16	46.00	5.84
	594.54	15.63	18.75	4.22	38.60	46.00	7.40
Vertical	32.91	17.73	16.30	0.92	34.95	40.00	5.05
	57.16	26.35	5.45	1.15	32.95	40.00	7.05
	115.36	19.47	11.21	1.82	32.50	43.50	11.00
	200.72	21.35	8.68	2.33	32.36	43.50	11.14
	390.84	21.08	15.30	3.57	39.95	46.00	6.05
	485.90	18.10	17.23	3.94	39.27	46.00	6.73

TEST ENGINEER: JACKY CHEN

EUT : LCD Monitor Temperature : 22°C

Model No. : L226WUQS Humidity : 60%

Serial No. : 802NDYG27458 Date of Test : Feb 26, 2008

Test Mode : USB1024*768@60Hz
& USB Connecting

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	130.88	16.67	11.32	1.95	29.94	43.50	13.56
	241.46	18.86	11.12	2.73	32.71	46.00	13.29
	273.47	20.22	12.30	2.96	35.48	46.00	10.52
	350.10	22.11	14.50	3.38	39.99	46.00	6.01
	489.78	13.07	17.25	3.96	34.28	46.00	11.72
	594.54	16.03	18.75	4.22	39.00	46.00	7.00
Vertical	33.88	17.87	15.77	0.93	34.57	40.00	5.43
	83.35	21.07	7.30	1.55	29.92	40.00	10.08
	115.36	19.57	11.21	1.82	32.60	43.50	10.90
	200.72	21.34	8.68	2.33	32.35	43.50	11.15
	371.44	19.60	14.82	3.48	37.90	46.00	8.10
	713.85	15.53	19.80	4.90	40.23	46.00	5.77

TEST ENGINEER: JACKY CHEN

EUT : LCD Monitor Temperature : 22°C

Model No. : L226WUQS Humidity : 60%

Serial No. : 802NDYG27458 Date of Test : Feb 26, 2008

Test Mode : USB 1680*1050@60Hz
& USB Connecting

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	130.88	15.54	11.32	1.95	--	28.81	43.50	14.69	QP
	246.31	19.81	11.66	2.77	--	34.24	46.00	11.76	
	270.56	19.06	12.37	2.94	--	34.37	46.00	11.63	
	341.37	20.33	14.06	3.33	--	37.72	46.00	8.28	
	594.54	17.18	18.75	4.22	--	40.15	46.00	5.85	
	817.64	16.53	20.45	5.45	--	42.43	46.00	3.57	
	1052.00	55.84	22.45	6.22	37.55	46.96	74.00	27.04	PK
	1189.00	54.79	23.10	6.75	37.20	47.44	74.00	26.56	
	1272.00	55.06	23.42	6.86	37.01	48.33	74.00	25.67	
	1358.00	53.40	24.05	6.97	36.82	47.60	74.00	26.40	
	1516.00	50.70	25.20	7.21	36.50	46.61	74.00	27.39	
	1693.00	51.85	26.14	8.21	36.18	50.02	74.00	23.98	
Vertical	32.91	16.26	16.30	0.92	--	33.48	40.00	6.52	QP
	57.16	23.11	5.45	1.15	--	29.71	40.00	10.29	
	112.45	19.74	11.20	1.80	--	32.74	43.50	10.76	
	350.10	20.25	14.50	3.38	--	38.13	46.00	7.87	
	594.54	15.08	18.75	4.22	--	38.05	46.00	7.95	
	817.64	15.98	20.45	5.45	--	41.88	46.00	4.12	
	1090.00	58.24	22.45	6.38	37.45	49.62	74.00	24.38	PK
	1224.00	54.31	23.00	6.82	37.12	47.01	74.00	26.99	
	1342.00	52.80	23.81	6.95	36.85	46.71	74.00	27.29	
	1478.00	51.08	25.35	7.11	36.57	46.97	74.00	27.03	
	1655.00	48.47	25.77	8.03	36.25	46.02	74.00	27.98	
	1756.00	49.35	26.01	8.47	36.07	47.76	74.00	26.24	

TEST ENGINEER: JACKY CHEN

5 DEVIATION TO TEST SPECIFICATIONS

None.

6 DEBUG DESCRIPTION

Name	M/N	Specifications (mm)	Manufacturer	Location
Aluminum foil	7250CP00 05A	50*120	SERVEONE CO., LTD.	See Internal photos Figure 22
Gasket	3940TKK 091F	12*8*9T	EXPAN	See Internal photos Figure 23
Aluminum foil	7250CP00 05J	50*60	SERVEONE CO., LTD.	See Internal photos Figure 24
Gasket	4850V001 09H (4.5EA)	170*6*2T	EXPAN	See Internal photos Figure 25-1
Gasket	3940TKK 041Y (1EA)	180*10*4T	EXPAN	See Internal photos Figure 25-2
Gasket	3940TKK 084A	45.2*23	EXPAN	See Internal photos Figure 26