

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

LCD Monitor

Model No.:	L1742PEU	L1742TEU	L1742SEU
Serial No.:	909NDTC23329	--	909NDAY23312

FCC ID : BEJL1742HEU

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

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Report No. : ACI-F09088
Date of Test : Sep 26 - 27, 2009
Date of Report : Sep 29, 2009

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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.	: L1742PEU	L1742TEU	L1742SEU
(B) Serial No.	: 909NDTC23329	--	909NDAY23312
(C) Power Supply	: 120V/60Hz		

Test Procedure Used:

*FCC RULES AND REGULATIONS PART 15 SUBPART B CLASS B OCTOBER 2008
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: Refer to Sec.2.1; S/N: Refer to Sec.2.1) which was tested in 3m anechoic chamber Sep 26 - 27, 2009 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 : Sep 26 - 27, 2009 Date of Report : Sep 29, 2009

Producer : Zeno Gu
ZENO GU / Assistant

Review : Dio Yang
DIO YANG / Deputy Assistant Manager



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

Signatory : Sammy Chen
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 of Test Item	Standard	Limits	Results
EMISSION			
Conducted Disturbance at the Mains Terminal	FCC RULES AND REGULATIONS PART 15 SUBPART B OCTOBER 2008 AND ANSI C63.4-2003	15.107(a) Class B	Pass
Radiated Disturbance	FCC RULES AND REGULATIONS PART 15 SUBPART B OCTOBER 2008 AND ANSI C63.4-2003	15.109(a) Class B	Pass

2 GENERAL INFORMATION

2.1 Description of Equipment Under Test

Description : LCD Monitor

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

Model No.	L1742PEU	L1742TEU	L1742SEU
Serial No.	909NDTC23329	--	909NDAY23312

Real Power : 20.00W

Note 1 : All models are same except for the different list as follows:

	L1742PEU	L1742TEU	L1742SEU
Stand Rotatable	○	--	--
D-Sub	○	○	○
DVI	○	○	--
NOTE 1 – “○” means the item is applicable. NOTE 2 – “--” means the item is no applicable.			

Note 2 : The L1742PEU and L1742SEU were tested and recorded in this report.

Note 3 : The data of L1742PEU at rotate 90 degree condition (only radiated emission) is also tested and recorded in this report. The mode tested was the worst case of L1742PEU in normal condition.

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

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

LCD Panel : Manufacturer : LG Display
M/N : LM170E03 (TL) (HB)

Max Resolution : D-Sub 1280*1024@75Hz
DVI 1280*1024@60Hz

D-Sub Cable #1 : Shielded, Detachable, 1.85m,
with two cores on cable

D-Sub Cable #2 : Shielded, Detachable, 1.85m,
with two cores in connector

DVI Cable #1	:	Shielded, Detachable, 1.85m, with two cores on cable
DVI Cable #2	:	Shielded, Detachable, 1.85m, with two cores in connector
Power Cord	:	Unshielded, Detachable, 1.80m
Note	:	After evaluation, the D-Sub cable#1 and DVI cable#1 were used in the test for they will cause the maximum emission.

Remark:

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

- (1) One D-Sub Port : Connected with PC
- (2) One DVI Port : Connected with PC
- (3) One 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, 1.85m.
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

2.3 Description of Test Facility

Site Description (Semi-Anechoic Chamber)	:	Sept. 17, 1998 file on Apr 29, 2009 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 200233, China
NVLAP Lab Code	:	200371-0

2.4 Measurement Uncertainty

Conducted Emission Expanded Uncertainty:	U = 1.26 dB
Radiated Emission Expanded Uncertainty :	U = 3.02 dB

3 CONDUCTED EMISSION TEST

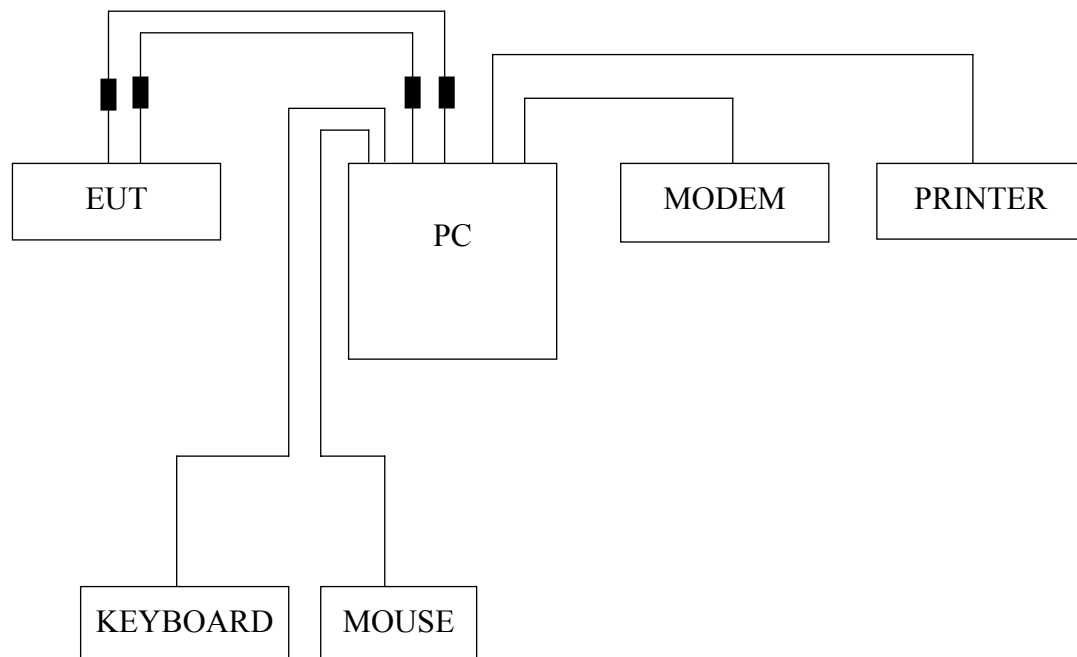
3.1.1 Test Equipment

The following test equipments 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	100841	Nov 21, 2008	Nov 21, 2009
2.	Line Impedance Stabilization Network (LISN #1)	Schwarzbeck	NNLK8129	8129-164	Apr 02, 2009	Apr 02, 2010
3.	Line Impedance Stabilization Network (LISN #2)	Kyoritsu	KNW-407	8-1280-4	Apr 02, 2009	Apr 02, 2010
4.	50 Ω Coaxial Switch	Anritsu	MP59B	6200426389	Sep 19, 2009	Mar 19, 2010
5.	50 Ω Terminator	Anritsu	BNC	001	Apr 02, 2009	Apr 02, 2010
6.	Software	Audix	E3	SET00200 9804M592	--	--

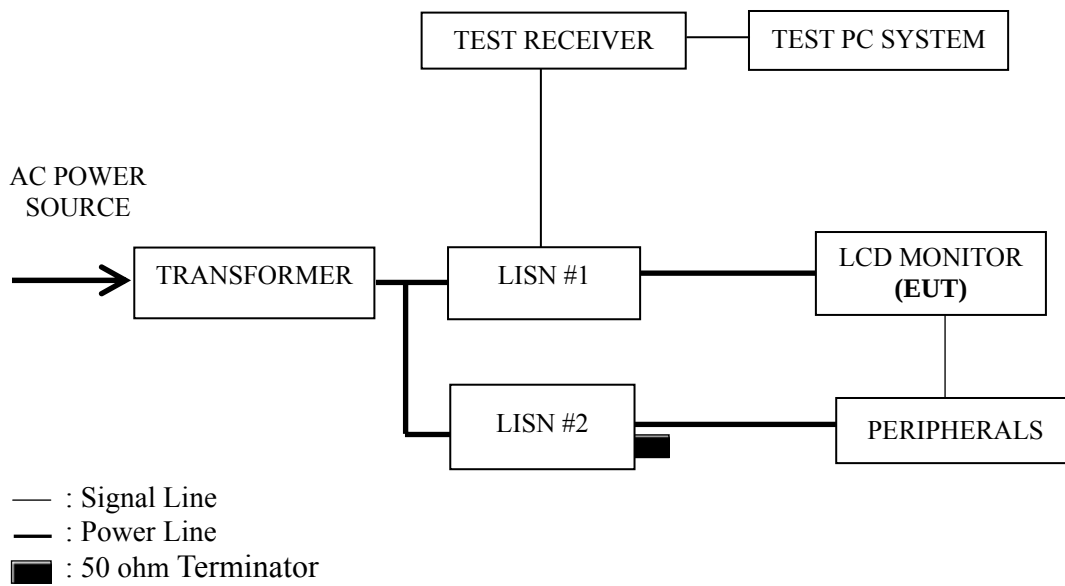
3.2 Block Diagram of Test Setup

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 (μ V)	
	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 equipments 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 its resolution (Via D-Sub or DVI Input).

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:

M/N	Test Mode
L1742PEU	D-Sub 640*480@60Hz
	D-Sub 1024*768@60Hz
	D-Sub 1280*1024@75Hz
	DVI 640*480@60Hz
	DVI 1024*768@60Hz
	DVI 1280*1024@60Hz
L1742SEU	D-Sub 640*480@60Hz
	D-Sub 1024*768@60Hz
	D-Sub 1280*1024@75Hz

3.6 Test Procedures

The EUT and peripherals were 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 (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 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.

M/N	Test Mode	Data Page
L1742PEU	D-Sub 640*480@60Hz	P13
	D-Sub 1024*768@60Hz	P14
	D-Sub 1280*1024@75Hz	P15
	DVI 640*480@60Hz	P16
	DVI 1024*768@60Hz	P17
	DVI 1280*1024@60Hz	P18
L1742SEU	D-Sub 640*480@60Hz	P19
	D-Sub 1024*768@60Hz	P20
	D-Sub 1280*1024@75Hz	P21

NOTE 1 – The **bold test mode** listed above means the worst test mode.

NOTE 2 – Factor = Cable Loss + AMN Factor.

NOTE 3 – Emission Level = Meter Reading + Factor.

NOTE 4 – “QP” means “Quasi-Peak” values, “AV” means “Average” values.

NOTE 5 – The worst case is for L1742PEU model (Test mode: D-Sub 640*480@60Hz). The worst emission is detected at 0.197 MHz (Average) with corrected signal level of 41.49 dB (μV) (limit is 53.76 dB (μV)), when the Neutral of the EUT is connected to LISN.

EUT : LCD Monitor Temperature : 22°C

Model No. : L1742PEU Humidity : 48%RH

Serial No. : 909NDTC23329 Date of Test : Sep 27, 2009

Test Mode : D-Sub 640*480@60Hz

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.194	49.72	0.18	49.90	63.84	13.94	QP
	0.259	43.71	0.19	43.90	61.47	17.57	
	0.585	34.12	0.18	34.30	56.00	21.70	
	1.367	33.82	0.23	34.05	56.00	21.95	
	7.446	27.26	0.35	27.61	60.00	32.39	
	22.535	26.53	0.50	27.03	60.00	32.97	
	0.194	39.65	0.18	39.83	53.84	14.01	AV
	0.259	33.26	0.19	33.45	51.47	18.02	
	0.585	23.52	0.18	23.70	46.00	22.30	
	1.367	23.20	0.23	23.43	46.00	22.57	
	7.446	17.26	0.35	17.61	50.00	32.39	
	22.535	16.31	0.50	16.81	50.00	33.19	
Neutral	0.197	50.09	0.17	50.26	63.76	13.50	QP
	0.325	37.10	0.18	37.28	59.57	22.29	
	0.727	31.50	0.21	31.71	56.00	24.29	
	1.781	30.01	0.30	30.31	56.00	25.69	
	6.769	26.11	0.36	26.47	60.00	33.53	
	26.139	27.63	0.58	28.21	60.00	31.79	
	0.197	41.32	0.17	41.49	53.76	12.27	AV
	0.325	27.36	0.18	27.54	49.57	22.03	
	0.727	21.39	0.21	21.60	46.00	24.40	
	1.781	21.22	0.30	21.52	46.00	24.48	
	6.769	16.35	0.36	16.71	50.00	33.29	
	26.139	17.24	0.58	17.82	50.00	32.18	

TEST ENGINEER: WENCY YANG

EUT : LCD Monitor Temperature : 22°C

Model No. : L1742PEU Humidity : 48%RH

Serial No. : 909NDTC23329 Date of Test : Sep 27, 2009

Test Mode : D-Sub 1024*768@60Hz

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.197	49.19	0.18	49.37	63.76	14.39	QP
	0.389	37.21	0.18	37.39	58.08	20.69	
	1.367	35.19	0.23	35.42	56.00	20.58	
	2.650	29.34	0.28	29.62	56.00	26.38	
	7.606	27.43	0.36	27.79	60.00	32.21	
	24.400	28.28	0.51	28.79	60.00	31.21	
	0.197	39.23	0.18	39.41	53.76	14.35	AV
	0.389	27.14	0.18	27.32	48.08	20.76	
	1.367	25.12	0.23	25.35	46.00	20.65	
	2.650	19.58	0.28	19.86	46.00	26.14	
	7.606	17.24	0.36	17.60	50.00	32.40	
	24.400	18.54	0.51	19.05	50.00	30.95	
Neutral	0.194	47.12	0.17	47.29	63.84	16.55	QP
	0.389	35.81	0.19	36.00	58.08	22.08	
	0.727	33.75	0.21	33.96	56.00	22.04	
	1.858	29.70	0.30	30.00	56.00	26.00	
	5.867	26.10	0.35	26.45	60.00	33.55	
	28.302	27.06	0.66	27.72	60.00	32.28	
	0.194	37.61	0.17	37.78	53.84	16.06	AV
	0.389	25.65	0.19	25.84	48.08	22.24	
	0.727	23.64	0.21	23.85	46.00	22.15	
	1.858	19.52	0.30	19.82	46.00	26.18	
	5.867	16.32	0.35	16.67	50.00	33.33	
	28.302	17.51	0.66	18.17	50.00	31.83	

TEST ENGINEER: WENCY YANG

EUT : LCD Monitor Temperature : 22°C

Model No. : L1742PEU Humidity : 48%RH

Serial No. : 909NDTC23329 Date of Test : Sep 27, 2009

Test Mode : D-Sub 1280*1024@75Hz

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.194	48.25	0.18	48.43	63.84	15.41	QP
	0.389	37.07	0.18	37.25	58.08	20.83	
	1.367	34.99	0.23	35.22	56.00	20.78	
	2.527	26.84	0.27	27.11	56.00	28.89	
	7.769	27.29	0.36	27.65	60.00	32.35	
	24.400	28.29	0.51	28.80	60.00	31.20	
	0.194	38.26	0.18	38.44	53.84	15.40	AV
	0.389	27.35	0.18	27.53	48.08	20.55	
	1.367	24.25	0.23	24.48	46.00	21.52	
	2.527	16.35	0.27	16.62	46.00	29.38	
	7.769	17.24	0.36	17.60	50.00	32.40	
	24.400	18.59	0.51	19.10	50.00	30.90	
Neutral	0.194	48.23	0.17	48.40	63.84	15.44	QP
	0.727	34.04	0.21	34.25	56.00	21.75	
	1.800	30.92	0.30	31.22	56.00	24.78	
	5.867	26.42	0.35	26.77	60.00	33.23	
	7.100	23.89	0.36	24.25	60.00	35.75	
	24.400	27.37	0.56	27.93	60.00	32.07	
	0.194	38.64	0.17	38.81	53.84	15.03	AV
	0.727	25.65	0.21	25.86	46.00	20.14	
	1.800	21.64	0.30	21.94	46.00	24.06	
	5.867	16.32	0.35	16.67	50.00	33.33	
	7.100	13.23	0.36	13.59	50.00	36.41	
	24.400	17.32	0.56	17.88	50.00	32.12	

TEST ENGINEER: WENCY YANG

EUT : LCD Monitor Temperature : 22°C

Model No. : L1742PEU Humidity : 48%RH

Serial No. : 909NDTC23329 Date of Test : Sep 27, 2009

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
Line	0.194	46.50	0.18	46.68	63.84	17.16	QP
	0.385	36.78	0.17	36.95	58.17	21.22	
	0.579	33.32	0.18	33.50	56.00	22.50	
	1.552	30.76	0.24	31.00	56.00	25.00	
	7.368	27.43	0.35	27.78	60.00	32.22	
	23.636	27.18	0.51	27.69	60.00	32.31	
	0.194	36.54	0.18	36.72	53.84	17.12	AV
	0.385	26.15	0.17	26.32	48.17	21.85	
	0.579	23.17	0.18	23.35	46.00	22.65	
	1.552	21.48	0.24	21.72	46.00	24.28	
	7.368	17.25	0.35	17.60	50.00	32.40	
	23.636	17.00	0.51	17.51	50.00	32.49	
Neutral	0.192	44.30	0.17	44.47	63.93	19.46	QP
	0.256	41.38	0.18	41.56	61.56	20.00	
	0.727	32.75	0.21	32.96	56.00	23.04	
	3.025	26.82	0.33	27.15	56.00	28.85	
	7.769	24.77	0.37	25.14	60.00	34.86	
	23.636	27.03	0.56	27.59	60.00	32.41	
	0.192	34.21	0.17	34.38	53.93	19.55	AV
	0.256	31.21	0.18	31.39	51.56	20.17	
	0.727	23.64	0.21	23.85	46.00	22.15	
	3.025	16.39	0.33	16.72	46.00	29.28	
	7.769	14.29	0.37	14.66	50.00	35.34	
	23.636	17.67	0.56	18.23	50.00	31.77	

TEST ENGINEER: WENCY YANG

EUT : LCD Monitor Temperature : 22°C

Model No. : L1742PEU Humidity : 48%RH

Serial No. : 909NDTC23329 Date of Test : Sep 27, 2009

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
Line	0.194	46.75	0.18	46.93	63.84	16.91	QP
	0.385	36.43	0.17	36.60	58.17	21.57	
	0.579	33.09	0.18	33.27	56.00	22.73	
	1.991	29.81	0.25	30.06	56.00	25.94	
	7.687	26.44	0.36	26.80	60.00	33.20	
	26.139	28.81	0.53	29.34	60.00	30.66	
	0.194	36.21	0.18	36.39	53.84	17.45	AV
	0.385	26.36	0.17	26.53	48.17	21.64	
	0.579	23.15	0.18	23.33	46.00	22.67	
	1.991	19.64	0.25	19.89	46.00	26.11	
	7.687	16.37	0.36	16.73	50.00	33.27	
	26.139	18.57	0.53	19.10	50.00	30.90	
Neutral	0.192	46.33	0.17	46.50	63.93	17.43	QP
	0.322	35.87	0.18	36.05	59.66	23.61	
	0.727	32.99	0.21	33.20	56.00	22.80	
	2.765	25.57	0.32	25.89	56.00	30.11	
	5.713	25.33	0.35	25.68	60.00	34.32	
	24.790	26.43	0.56	26.99	60.00	33.01	
	0.192	36.54	0.17	36.71	53.93	17.22	AV
	0.322	25.64	0.18	25.82	49.66	23.84	
	0.727	22.98	0.21	23.19	46.00	22.81	
	2.765	15.28	0.32	15.60	46.00	30.40	
	5.713	15.47	0.35	15.82	50.00	34.18	
	24.790	16.29	0.56	16.85	50.00	33.15	

TEST ENGINEER: WENCY YANG

EUT : LCD Monitor Temperature : 22°C

Model No. : L1742PEU Humidity : 48%RH

Serial No. : 909NDTC23329 Date of Test : Sep 27, 2009

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
Line	0.197	45.86	0.18	46.04	63.76	17.72	QP
	0.579	34.03	0.18	34.21	56.00	21.79	
	1.552	32.46	0.24	32.70	56.00	23.30	
	2.765	27.52	0.28	27.80	56.00	28.20	
	7.252	29.10	0.35	29.45	60.00	30.55	
	26.558	27.40	0.54	27.94	60.00	32.06	
	0.197	35.68	0.18	35.86	53.76	17.90	AV
	0.579	24.68	0.18	24.86	46.00	21.14	
	1.552	23.69	0.24	23.93	46.00	22.07	
	2.765	17.98	0.28	18.26	46.00	27.74	
	7.252	19.68	0.35	20.03	50.00	29.97	
	26.558	17.84	0.54	18.38	50.00	31.62	
Neutral	0.194	46.53	0.17	46.70	63.84	17.14	QP
	0.727	33.07	0.21	33.28	56.00	22.72	
	1.744	26.83	0.30	27.13	56.00	28.87	
	2.765	24.46	0.32	24.78	56.00	31.22	
	5.653	24.77	0.35	25.12	60.00	34.88	
	26.558	26.71	0.59	27.30	60.00	32.70	
	0.194	36.21	0.17	36.38	53.84	17.46	AV
	0.727	23.64	0.21	23.85	46.00	22.15	
	1.744	16.27	0.30	16.57	46.00	29.43	
	2.765	14.68	0.32	15.00	46.00	31.00	
	5.653	14.36	0.35	14.71	50.00	35.29	
	26.558	16.98	0.59	17.57	50.00	32.43	

TEST ENGINEER: WENCY YANG

EUT : LCD Monitor Temperature : 22°C

Model No. : L1742SEU Humidity : 48%RH

Serial No. : 909NDAY23312 Date of Test : Sep 27, 2009

Test Mode : D-Sub 640*480@60Hz

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.192	40.29	0.18	40.47	63.93	23.46	QP
	0.641	33.75	0.18	33.93	56.00	22.07	
	1.082	34.48	0.20	34.68	56.00	21.32	
	1.480	32.48	0.23	32.71	56.00	23.29	
	8.235	29.96	0.36	30.32	60.00	29.68	
	22.298	30.99	0.49	31.48	60.00	28.52	
	0.192	31.26	0.18	31.44	53.93	22.49	AV
	0.641	21.65	0.18	21.83	46.00	24.17	
	1.082	24.36	0.20	24.56	46.00	21.44	
	1.480	23.64	0.23	23.87	46.00	22.13	
	8.235	19.68	0.36	20.04	50.00	29.96	
	22.298	21.69	0.49	22.18	50.00	27.82	
Neutral	0.194	42.92	0.17	43.09	63.84	20.75	QP
	0.447	34.02	0.19	34.21	56.93	22.72	
	0.641	31.32	0.20	31.52	56.00	24.48	
	1.858	26.72	0.30	27.02	56.00	28.98	
	8.501	25.92	0.37	26.29	60.00	33.71	
	24.142	28.61	0.56	29.17	60.00	30.83	
	0.194	32.65	0.17	32.82	53.84	21.02	AV
	0.447	24.59	0.19	24.78	46.93	22.15	
	0.641	21.57	0.20	21.77	46.00	24.23	
	1.858	16.69	0.30	16.99	46.00	29.01	
	8.501	15.24	0.37	15.61	50.00	34.39	
	24.142	18.62	0.56	19.18	50.00	30.82	

TEST ENGINEER: WENCY YANG

EUT : LCD Monitor Temperature : 22°C

Model No. : L1742SEU Humidity : 48%RH

Serial No. : 909NDAY23312 Date of Test : Sep 27, 2009

Test Mode : D-Sub 1024*768@60Hz

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.192	40.78	0.18	40.96	63.93	22.97	QP
	0.447	32.59	0.18	32.77	56.93	24.16	
	1.082	34.23	0.20	34.43	56.00	21.57	
	2.178	26.76	0.26	27.02	56.00	28.98	
	8.235	29.76	0.36	30.12	60.00	29.88	
	22.298	30.71	0.49	31.20	60.00	28.80	
	0.192	31.64	0.18	31.82	53.93	22.11	AV
	0.447	23.64	0.18	23.82	46.93	23.11	
	1.082	24.59	0.20	24.79	46.00	21.21	
	2.178	16.46	0.26	16.72	46.00	29.28	
	8.235	19.64	0.36	20.00	50.00	30.00	
	22.298	21.57	0.49	22.06	50.00	27.94	
Neutral	0.192	43.32	0.17	43.49	63.93	20.44	QP
	0.447	32.96	0.19	33.15	56.93	23.78	
	0.641	31.28	0.20	31.48	56.00	24.52	
	1.858	26.94	0.30	27.24	56.00	28.76	
	8.235	25.87	0.37	26.24	60.00	33.76	
	22.298	28.43	0.54	28.97	60.00	31.03	
	0.192	33.64	0.17	33.81	53.93	20.12	AV
	0.447	22.36	0.19	22.55	46.93	24.38	
	0.641	21.69	0.20	21.89	46.00	24.11	
	1.858	16.70	0.30	17.00	46.00	29.00	
	8.235	15.69	0.37	16.06	50.00	33.94	
	22.298	18.58	0.54	19.12	50.00	30.88	

TEST ENGINEER: WENCY YANG

EUT : LCD Monitor Temperature : 22°C

Model No. : L1742SEU Humidity : 48%RH

Serial No. : 909NDAY23312 Date of Test : Sep 27, 2009

Test Mode : D-Sub 1280*1024@75Hz

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.192	41.61	0.18	41.79	63.93	22.14	QP
	0.320	33.48	0.18	33.66	59.71	26.05	
	1.082	32.91	0.20	33.11	56.00	22.89	
	1.480	31.82	0.23	32.05	56.00	23.95	
	8.235	28.47	0.36	28.83	60.00	31.17	
	22.298	30.49	0.49	30.98	60.00	29.02	
	0.192	31.26	0.18	31.44	53.93	22.49	AV
	0.320	23.64	0.18	23.82	49.71	25.89	
	1.082	21.54	0.20	21.74	46.00	24.26	
	1.480	21.57	0.23	21.80	46.00	24.20	
	8.235	18.59	0.36	18.95	50.00	31.05	
	22.298	20.69	0.49	21.18	50.00	28.82	
Neutral	0.192	42.44	0.17	42.61	63.93	21.32	QP
	0.447	33.26	0.19	33.45	56.93	23.48	
	0.641	31.77	0.20	31.97	56.00	24.03	
	1.082	27.80	0.25	28.05	56.00	27.95	
	5.419	24.22	0.35	24.57	60.00	35.43	
	22.298	28.49	0.54	29.03	60.00	30.97	
	0.192	31.26	0.17	31.43	53.93	22.50	AV
	0.447	21.36	0.19	21.55	46.93	25.38	
	0.641	21.67	0.20	21.87	46.00	24.13	
	1.082	17.58	0.25	17.83	46.00	28.17	
	5.419	14.69	0.35	15.04	50.00	34.96	
	22.298	18.68	0.54	19.22	50.00	30.78	

TEST ENGINEER: WENCY YANG

4 RADIATED EMISSION TEST

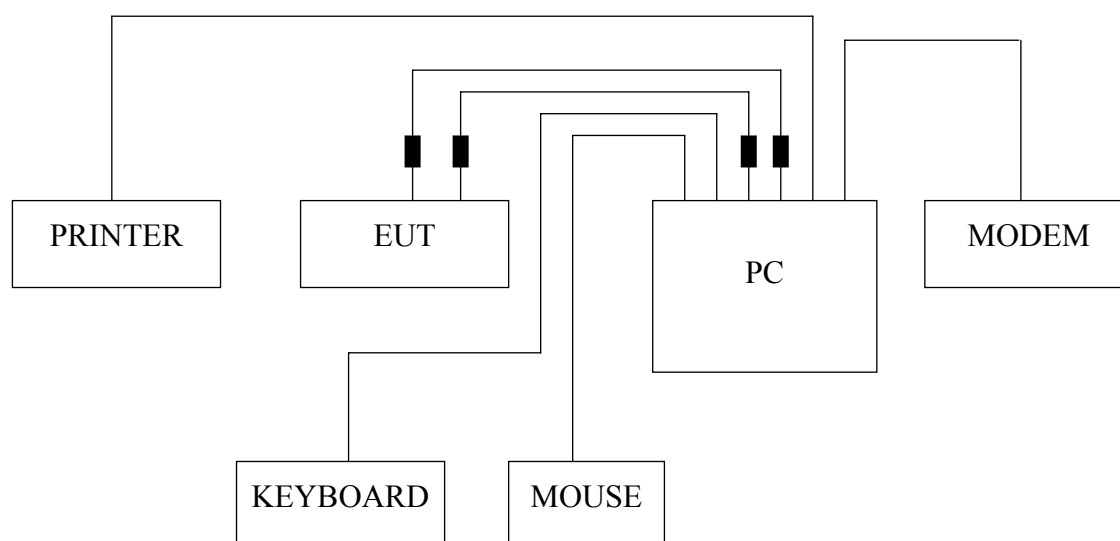
4.1 Test Equipment

The following test equipments 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	Mar 07, 2009	Mar 07, 2010
2.	Preamplifier	Agilent	8447D	2944A10548	Sep 19, 2009	Mar 19, 2010
3.	Preamplifier	HP	8449B	3008A00864	May 19, 2009	May 19, 2010
4.	Bi-log Antenna	TESEQ	CBL6112D	23193	May 14, 2008	May 14, 2010
5.	Spectrum	Agilent	E7405A	MY45106600	May 19, 2009	May 19, 2010
6.	Software	Audix	E3	SET00200 9912M295-2	--	--

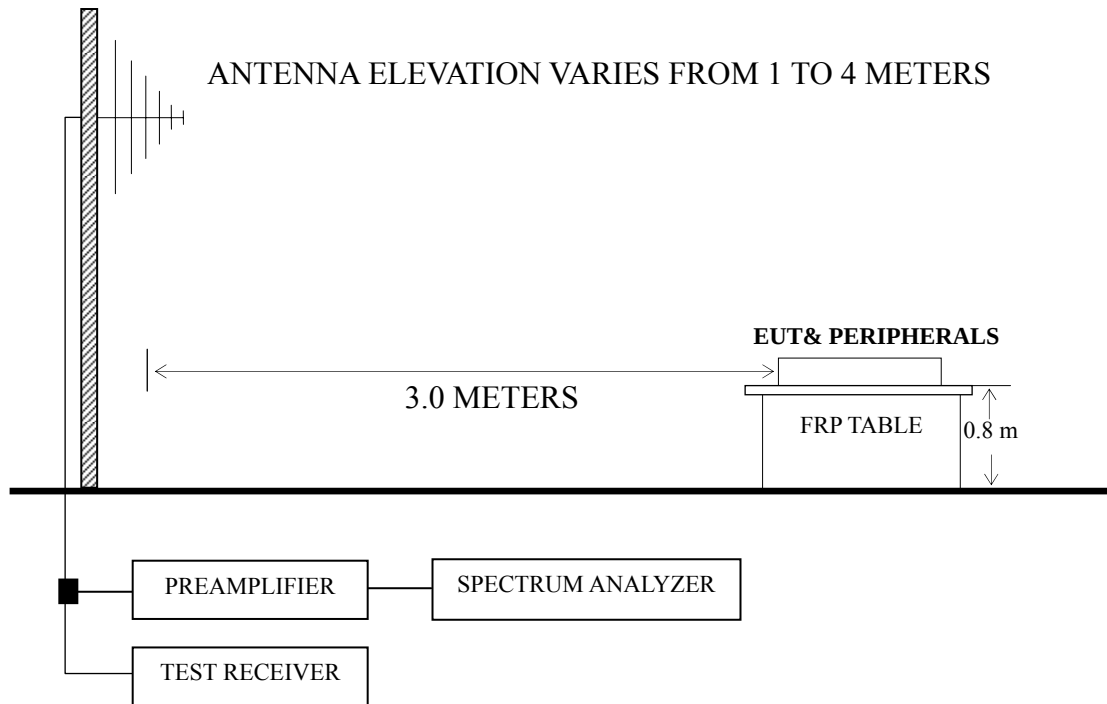
4.2 Block Diagram of Test Setup

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 1000MHz was checked for all test modes.

The frequency range from 1 GHz to 2 GHz was checked for D-Sub 1280*1024@75Hz 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.

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.

M/N	Test Mode	Data Page
L1742PEU	D-Sub 640*480@60Hz	P26
	D-Sub 1024*768@60Hz	P27
	D-Sub 1280*1024@75Hz	P28
	DVI 640*480@60Hz	P29
	DVI 1024*768@60Hz	P30
	DVI 1280*1024@60Hz	P31
	D-Sub 1280*1024@75Hz (Rotate 90 degree)	P32
L1742SEU	D-Sub 640*480@60Hz	P33
	D-Sub 1024*768@60Hz	P34
	D-Sub 1280*1024@75Hz	P35

NOTE 1 – The bold test mode listed above means the worst test mode.

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

NOTE 3 – Emission Level = Antenna Factor + Cable Loss – Preamp Factor + Meter Reading.(> 1GHz)

NOTE 4 – The emission levels that are 20dB below the official limit are not reported.

NOTE 5 – 0° was the table front facing the antenna. Degree is calculated from 0° clockwise facing the antenna.

NOTE 6 – All reading are Quasi-Peak values below or equal to 1GHz and Peak values above 1GHz. For measurements above 1 GHz, the peak measured value complies with the average limit, it is unnecessary to perform an average measurement.

NOTE 6 – The worst case is for L1742SEU model (Test mode: D-Sub 1280*1024@75Hz). The worst emission at horizontal polarization was detected at 132.820 MHz with corrected signal level of 37.68 dB (μV/m) (limit is 43.50dB (μV/m)), when the antenna was 1.00 m height and the turntable was at 105°. The worst emission at vertical polarization was detected at 464.560 MHz with corrected signal level of 42.97 dB (μV/m) (limit is 46.00 dB (μV/m)), when the antenna was 1.00 m height and the turntable was at 220°.

EUT : LCD Monitor Temperature : 22°C

Model No. : L1742PEU Humidity : 60%RH

Serial No. : 909NDTC23329 Date of Test : Sep 26, 2009

Test Mode : D-Sub 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	138.640	18.95	12.17	1.19	32.31	43.50	11.19
	243.400	26.47	12.64	1.68	40.79	46.00	5.21
	286.080	23.50	13.66	1.82	38.98	46.00	7.02
	317.120	20.67	14.35	1.93	36.95	46.00	9.05
	374.350	22.72	15.95	2.13	40.80	46.00	5.20
	515.970	18.28	18.09	2.49	38.86	46.00	7.14
Vertical	31.940	13.34	18.49	0.64	32.47	40.00	7.53
	39.700	16.52	14.08	0.67	31.27	40.00	8.73
	104.690	15.36	11.88	1.09	28.33	43.50	15.17
	138.640	15.26	12.17	1.19	28.62	43.50	14.88
	242.430	20.15	12.64	1.67	34.46	46.00	11.54
	521.790	14.41	18.18	2.51	35.10	46.00	10.90

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : L1742PEU Humidity : 60%RH

Serial No. : 909NDTC23329 Date of Test : Sep 26, 2009

Test Mode : D-Sub 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	138.640	16.04	12.17	1.19	29.40	43.50	14.10
	243.400	26.11	12.64	1.68	40.43	46.00	5.57
	284.140	22.25	13.62	1.82	37.69	46.00	8.31
	315.180	19.88	14.32	1.93	36.13	46.00	9.87
	374.350	22.71	15.95	2.13	40.79	46.00	5.21
	515.000	18.34	18.09	2.49	38.92	46.00	7.08
Vertical	31.940	15.55	18.49	0.64	34.68	40.00	5.32
	39.700	18.24	14.08	0.67	32.99	40.00	7.01
	161.920	19.82	10.46	1.31	31.59	43.50	11.91
	241.460	24.85	12.60	1.67	39.12	46.00	6.88
	316.150	18.43	14.35	1.93	34.71	46.00	11.29
	515.000	17.69	18.09	2.49	38.27	46.00	7.73

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : L1742PEU Humidity : 60%RH

Serial No. : 909NDTC23329 Date of Test : Sep 26, 2009

Test Mode : D-Sub 1280*1024@75Hz

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	138.640	15.68	12.17	1.19	--	29.04	43.50	14.46	QP
	242.430	24.31	12.64	1.67	--	38.62	46.00	7.38	
	285.110	20.39	13.64	1.82	--	35.85	46.00	10.15	
	316.150	17.45	14.35	1.93	--	33.73	46.00	12.27	
	374.350	20.51	15.95	2.13	--	38.59	46.00	7.41	
	515.000	16.38	18.09	2.49	--	36.96	46.00	9.04	
	1154.000	52.88	23.45	4.10	34.11	46.32	74.00	27.68	PK
	1201.000	50.79	23.74	4.20	34.12	44.61	74.00	29.39	
	1261.000	57.43	24.19	4.32	34.12	51.82	74.00	22.18	
	1425.000	44.92	25.34	4.66	34.14	40.78	74.00	33.22	
	1573.000	44.91	26.26	4.95	34.16	41.96	74.00	32.04	
	1695.000	43.84	26.65	5.19	34.17	41.51	74.00	32.49	
Vertical	32.910	15.09	17.95	0.64	--	33.68	40.00	6.32	QP
	40.670	19.94	13.62	0.67	--	34.23	40.00	5.77	
	242.430	22.35	12.64	1.67	--	36.66	46.00	9.34	
	373.380	17.35	15.92	2.12	--	35.39	46.00	10.61	
	515.000	22.37	18.09	2.49	--	42.95	46.00	3.05	
	960.230	5.39	22.13	3.55	--	31.07	54.00	22.93	
	1135.000	44.46	23.33	4.05	34.11	37.73	74.00	36.27	PK
	1157.000	45.35	23.48	4.10	34.11	38.82	74.00	35.18	
	1313.000	46.36	24.62	4.43	34.13	41.28	74.00	32.72	
	1400.000	45.68	25.20	4.60	34.14	41.34	74.00	32.66	
	1608.000	41.49	26.42	5.01	34.16	38.76	74.00	35.24	
	1858.000	40.70	27.21	5.46	34.19	39.18	74.00	34.82	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : L1742PEU Humidity : 60%RH

Serial No. : 909NDTC23329 Date of Test : Sep 26, 2009

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	243.400	24.11	12.64	1.68	38.43	46.00	7.57
	280.260	20.42	13.55	1.81	35.78	46.00	10.22
	372.410	20.88	15.92	2.12	38.92	46.00	7.08
	431.580	13.88	16.95	2.28	33.11	46.00	12.89
	647.890	11.23	19.45	2.84	33.52	46.00	12.48
	891.360	9.58	21.63	3.42	34.63	46.00	11.37
Vertical	31.940	16.86	18.49	0.64	35.99	40.00	4.01
	39.700	18.28	14.08	0.67	33.03	40.00	6.97
	216.240	18.21	11.43	1.59	31.23	46.00	14.77
	244.370	18.31	12.68	1.68	32.67	46.00	13.33
	372.410	13.14	15.92	2.12	31.18	46.00	14.82
	513.060	9.59	18.06	2.46	30.11	46.00	15.89

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : L1742PEU Humidity : 60%RH

Serial No. : 909NDTC23329 Date of Test : Sep 26, 2009

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	241.460	22.77	12.60	1.67	37.04	46.00	8.96
	323.910	17.91	14.58	1.96	34.45	46.00	11.55
	372.410	19.38	15.92	2.12	37.42	46.00	8.58
	431.580	16.41	16.95	2.28	35.64	46.00	10.36
	514.030	12.34	18.06	2.49	32.89	46.00	13.11
	647.890	9.15	19.45	2.84	31.44	46.00	14.56
Vertical	32.910	17.47	17.95	0.64	36.06	40.00	3.94
	37.760	13.94	15.20	0.66	29.80	40.00	10.20
	48.430	16.66	9.62	0.70	26.98	40.00	13.02
	104.690	13.09	11.88	1.09	26.06	43.50	17.44
	139.610	13.93	12.12	1.20	27.25	43.50	16.25
	245.340	19.90	12.72	1.68	34.30	46.00	11.70

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : L1742PEU Humidity : 60%RH

Serial No. : 909NDTC23329 Date of Test : Sep 26, 2009

Test Mode : DVI 1280*1024@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	243.400	25.20	12.64	1.68	--	39.52	46.00	6.48	QP
	284.140	17.81	13.62	1.82	--	33.25	46.00	12.75	
	323.910	18.78	14.58	1.96	--	35.32	46.00	10.68	
	371.440	20.55	15.88	2.12	--	38.55	46.00	7.45	
	431.580	17.30	16.95	2.28	--	36.53	46.00	9.47	
	540.220	13.33	18.42	2.58	--	34.33	46.00	11.67	
	1154.000	52.88	23.45	4.10	34.11	46.32	74.00	27.68	PK
	1201.000	50.79	23.74	4.20	34.12	44.61	74.00	29.39	
	1400.000	45.08	25.20	4.60	34.14	40.74	74.00	33.26	
	1573.000	44.91	26.26	4.95	34.16	41.96	74.00	32.04	
	1695.000	43.84	26.65	5.19	34.17	41.51	74.00	32.49	
	1959.000	42.82	27.86	5.56	34.20	42.04	74.00	31.96	
Vertical	32.910	17.93	17.95	0.64	--	36.52	40.00	3.48	QP
	39.700	18.16	14.08	0.67	--	32.91	40.00	7.09	
	243.400	20.13	12.64	1.68	--	34.45	46.00	11.55	
	374.350	15.30	15.95	2.13	--	33.38	46.00	12.62	
	514.030	17.03	18.06	2.49	--	37.58	46.00	8.42	
	702.210	9.86	19.73	2.94	--	32.53	46.00	13.47	
	1157.000	46.35	23.48	4.10	34.11	39.82	74.00	34.18	PK
	1313.000	46.36	24.62	4.43	34.13	41.28	74.00	32.72	
	1400.000	45.68	25.20	4.60	34.14	41.34	74.00	32.66	
	1503.000	41.40	25.84	4.81	34.15	37.90	74.00	36.10	
	1576.000	42.01	26.26	4.95	34.16	39.06	74.00	34.94	
	1858.000	42.70	27.21	5.46	34.19	41.18	74.00	32.82	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : L1742PEU Humidity : 60%RH

Serial No. : 909NDTC23329 Date of Test : Sep 26, 2009

Test Mode : D-Sub 1280*1024@75Hz
(Rotate 90 degree)

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	243.400	27.20	12.64	1.68	--	41.52	46.00	4.48	QP
	284.140	20.81	13.62	1.82	--	36.25	46.00	9.75	
	323.910	19.78	14.58	1.96	--	36.32	46.00	9.68	
	371.440	23.55	15.88	2.12	--	41.55	46.00	4.45	
	431.580	19.30	16.95	2.28	--	38.53	46.00	7.47	
	540.220	14.33	18.42	2.58	--	35.33	46.00	10.67	
	1154.000	50.88	23.45	4.10	34.11	44.32	74.00	29.68	PK
	1261.000	55.43	24.19	4.32	34.12	49.82	74.00	24.18	
	1425.000	42.92	25.34	4.66	34.14	38.78	74.00	35.22	
	1573.000	42.91	26.26	4.95	34.16	39.96	74.00	34.04	
	1695.000	41.84	26.65	5.19	34.17	39.51	74.00	34.49	
	1959.000	40.82	27.86	5.56	34.20	40.04	74.00	33.96	
Vertical	32.910	17.93	17.95	0.64	--	36.52	40.00	3.48	QP
	37.760	19.51	15.20	0.66	--	35.37	40.00	4.63	
	39.700	20.16	14.08	0.67	--	34.91	40.00	5.09	
	104.690	18.88	11.88	1.09	--	31.85	43.50	11.65	
	243.400	23.13	12.64	1.68	--	37.45	46.00	8.55	
	514.030	20.03	18.06	2.49	--	40.58	46.00	5.42	
	1157.000	44.35	23.48	4.10	34.11	37.82	74.00	36.18	PK
	1255.000	55.29	24.14	4.31	34.12	49.62	74.00	24.38	
	1400.000	43.68	25.20	4.60	34.14	39.34	74.00	34.66	
	1576.000	41.01	26.26	4.95	34.16	38.06	74.00	35.94	
	1750.000	40.08	26.78	5.30	34.18	37.98	74.00	36.02	
	1858.000	39.70	27.21	5.46	34.19	38.18	74.00	35.82	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : L1742SEU Humidity : 60%RH

Serial No. : 909NDAY23312 Date of Test : Sep 26, 2009

Test Mode : D-Sub 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	126.030	23.58	12.71	1.16	37.45	43.50	6.05
	147.370	22.14	11.51	1.22	34.87	43.50	8.63
	167.740	22.45	10.27	1.34	34.06	43.50	9.44
	227.880	20.48	12.02	1.63	34.13	46.00	11.87
	335.550	18.07	14.90	2.00	34.97	46.00	11.03
	511.120	12.09	18.04	2.46	32.59	46.00	13.41
Vertical	32.910	17.27	17.95	0.64	35.86	40.00	4.14
	100.810	23.16	11.57	1.08	35.81	43.50	7.69
	127.000	21.45	12.66	1.16	35.27	43.50	8.23
	503.360	14.31	17.95	2.44	34.70	46.00	11.30
	909.790	14.16	21.76	3.46	39.38	46.00	6.62
	950.530	16.12	22.08	3.53	41.73	46.00	4.27

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : L1742SEU Humidity : 60%RH

Serial No. : 909NDAY23312 Date of Test : Sep 26, 2009

Test Mode : D-Sub 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	145.430	20.63	11.66	1.21	33.50	43.50	10.00
	235.640	15.98	12.36	1.66	30.00	46.00	16.00
	326.820	13.36	14.66	1.97	29.99	46.00	16.01
	376.290	9.66	15.99	2.13	27.78	46.00	18.22
	702.210	7.06	19.73	2.94	29.73	46.00	16.27
	865.170	6.26	21.35	3.37	30.98	46.00	15.02
Vertical	37.760	17.20	15.20	0.66	33.06	40.00	6.94
	145.430	22.85	11.66	1.21	35.72	43.50	7.78
	238.550	16.74	12.48	1.67	30.89	46.00	15.11
	489.780	12.72	17.78	2.41	32.91	46.00	13.09
	926.280	12.64	21.90	3.48	38.02	46.00	7.98
	973.810	13.27	22.24	3.58	39.09	54.00	14.91

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : L1742SEU Humidity : 60%RH

Serial No. : 909NDAY23312 Date of Test : Sep 26, 2009

Test Mode : D-Sub 1280*1024@75Hz

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	132.820	24.10	12.40	1.18	--	37.68	43.50	5.82	QP
	147.370	21.98	11.51	1.22	--	34.71	43.50	8.79	
	191.990	18.67	10.37	1.50	--	30.54	43.50	12.96	
	269.590	15.70	13.32	1.77	--	30.79	46.00	15.21	
	331.670	17.53	14.78	1.99	--	34.30	46.00	11.70	
	464.560	19.33	17.43	2.36	--	39.12	46.00	6.88	
	1215.000	54.03	23.82	4.23	34.12	47.96	74.00	26.04	PK
	1318.000	53.71	24.66	4.45	34.13	48.69	74.00	25.31	
	1467.000	50.94	25.60	4.74	34.15	47.13	74.00	26.87	
	1603.000	51.56	26.40	5.00	34.16	48.80	74.00	25.20	
	1729.000	50.72	26.72	5.25	34.17	48.52	74.00	25.48	
	1904.000	49.78	27.50	5.51	34.19	48.60	74.00	25.40	
Vertical	33.880	18.43	17.44	0.64	--	36.51	40.00	3.49	QP
	132.820	26.42	12.40	1.18	--	40.00	43.50	3.50	
	148.340	21.92	11.41	1.22	--	34.55	43.50	8.95	
	464.560	23.18	17.43	2.36	--	42.97	46.00	3.03	
	929.190	16.52	21.90	3.48	--	41.90	46.00	4.10	
	948.590	16.33	22.05	3.53	--	41.91	46.00	4.09	
	1073.000	53.25	22.92	3.88	34.11	45.94	74.00	28.06	PK
	1167.000	50.21	23.54	4.13	34.12	43.76	74.00	30.24	
	1269.000	55.11	24.27	4.34	34.13	49.59	74.00	24.41	
	1418.000	53.57	25.31	4.64	34.14	49.38	74.00	24.62	
	1647.000	47.53	26.52	5.09	34.17	44.97	74.00	29.03	
	1992.000	45.33	28.05	5.59	34.20	44.77	74.00	29.23	

TEST ENGINEER: RAVEN JIN

5 DEVIATION TO TEST SPECIFICATIONS

None.

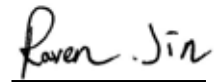
6 DEBUG DESCRIPTION

The following components are used during the countermeasure procedures:

Name	M/N	Specifications (mm)	Manufacturer	Location
Aluminum foil	T-308	50*30	DAEHUNG SUBSIDIARY MATERIALS.	See Internal Photo Figure 12, 13, 25

Note: We had required the applicant and manufacturer that all electrical and mechanical devices employed for spurious radiation suppression, including any modifications made during certification testing, must be incorporated in each unit marked

TEST ENGINEER:



(RAVEN JIN)