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

LCD Monitor

Model No.: E1641CX

Serial No.: E1205544-01/02, E1205544-02/02

FCC ID : BEJE1641CX

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

Prepared By : Audix Technology (Shanghai) Co., Ltd.
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Report No. : ACI-F12084
Date of Test : May 08 – 10, 2012
Date of Report : May 17, 2012

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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. : E1641CX
	(B) Serial No. : E1205544-01/02, E1205544-02/02
	(C) Power Supply : 120V/60Hz

Test Procedure Used:

FCC RULES AND REGULATIONS PART 15 SUBPART B CLASS B OCTOBER 2011 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: E1641CX; S/N: E1205544-01/02, E1205544-02/02) which was tested in 3m anechoic chamber May 08 – 10, 2012 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 : May 08 – 10, 2012 Date of Report : May 17, 2012

Producer : Yenny Yu.
YENNY YU / Assistant

Review : Dio Yang.
DIO YANG / Assistant Manager

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

Signatory :
Authorized Signature EMC SAMMY CHEN / Deputy 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 2011 AND ANSI C63.4-2003	15.107(a) Class B	Pass
Radiated Disturbance	FCC RULES AND REGULATIONS PART 15 SUBPART B OCTOBER 2011 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. : E1641CX

Serial No. : E1205544-01/02 for N156BGE Panel
E1205544-02/02 for LP156WH4 Panel

Real Power : 22.20W for N156BGE Panel
22.50W for LP1565WH4 Panel

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 #1 : Manufacturer: CHIMEI INNOLUX
M/N : N156BGE

LCD Panel #2 : Manufacturer: LG Display
M/N : LP156WH4

Max Resolution : 1366*768@60Hz

D-Sub Cable #1 : Shielded, Detachable, 1.85m

D-Sub Cable #2 : Shielded, Detachable, 1.50m

Power Cord : Unshielded, Detachable, 1.80m

Note : The D-Sub cable #2 was selected to be used in the test.

Remark:
The EUT is a LCD Monitor which input/output ports as follows:
(1) One D-Sub Port
: Connected with PC
(2) One AC In Port
: Connected with Power

2.2 Peripherals

2.2.1 PC

Manufacturer	:	HP
Model Number	:	dx7200MT
Serial Number	:	CNG622017W
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 Graphics Card (Used in PC)

Manufacturer	:	ASUS
Model Number	:	EAH6670
Output port	:	DVI, D-Sub, HDMI

2.2.3 Printer

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

2.2.4 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

2.2.5 Mouse

Manufacturer	:	Microsoft
Model Number	:	RT2300
Serial Number	:	6965712071551
Data Cable	:	Shielded, Undetachable, 1.8m.
Certificate	:	CE/EMC, FCC DoC, VCCI, MIC, C-Tick, BSMI

2.2.6 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 = 3.43 dB

Radiated Emission Expanded Uncertainty (30-200MHz):

U = 4.67 dB (Horizontal)

U = 4.72 dB (Vertical)

Radiated Emission Expanded Uncertainty (200M-1GHz):

U = 4.81 dB (Horizontal)

U = 4.69 dB (Vertical)

3 CONDUCTED EMISSION TEST

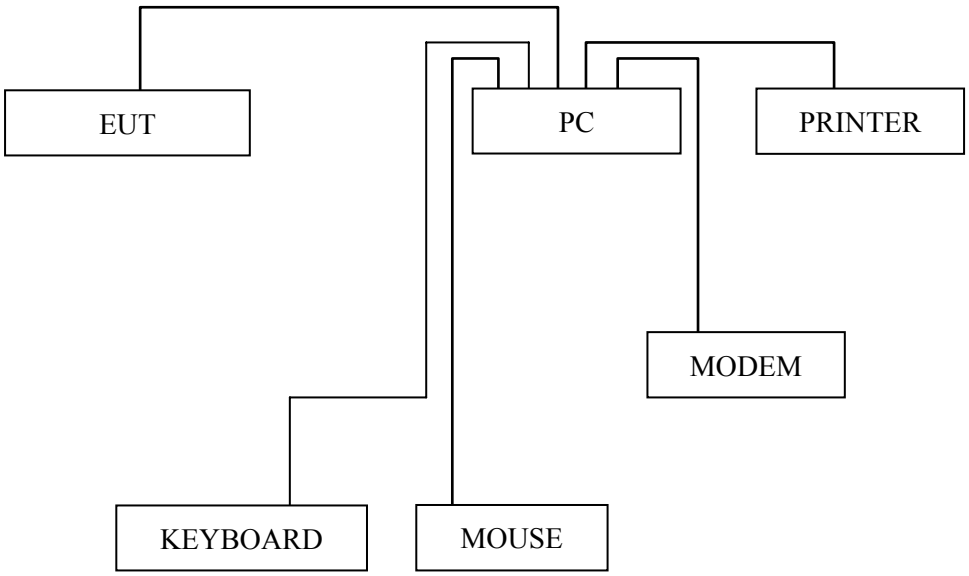
3.1 Test Equipment

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

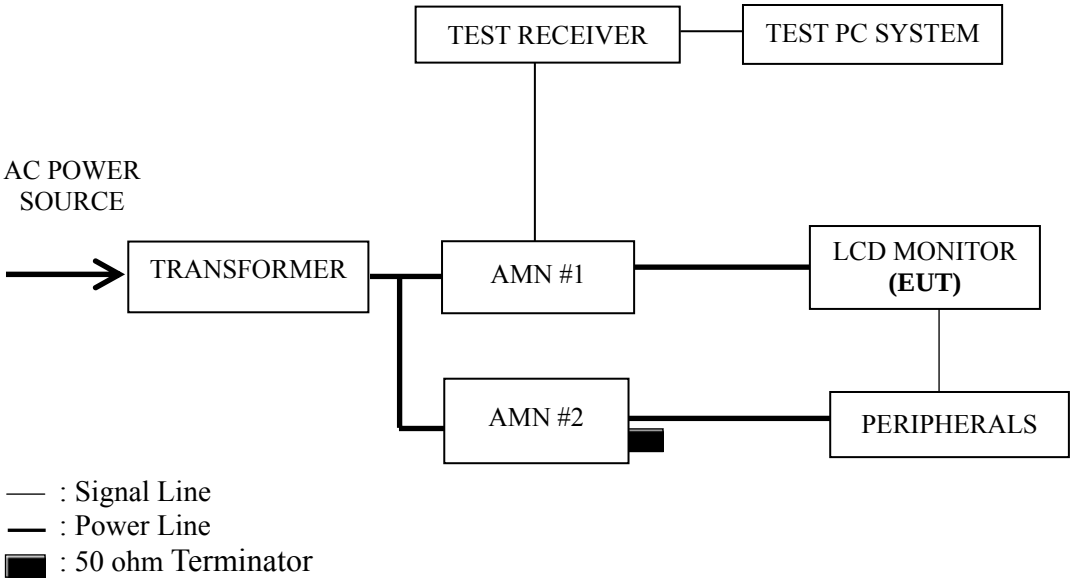
Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Test Receiver	R&S	ESCI	100841	Mar 22, 2012	Mar 22, 2013
2.	Artificial Mains Network (AMN #1)	R&S	ESH2-Z5	843890/011	Feb 13, 2012	Feb 13, 2013
3.	Artificial Mains Network (AMN #2)	R&S	ENV4200	100125	Mar 22, 2012	Mar 22, 2013
4.	50 Ω Coaxial Switch	Anritsu	MP59B	6200426389	Mar 18, 2012	Sep 18, 2012
5.	50Ω Terminator	Anritsu	BNC	001	Mar 22, 2012	Mar 22, 2013
6.	Software	Audix	E3	SET00200 9804M592	--	--

3.2 Block Diagram of Test Setup

3.2.1 EUT & Peripherals



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 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 (we use white letters on a black background to represent all colors), the EUT's screen displayed and filled with "H" pattern by its resolution (Via D-Sub 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:

Panel	Test Mode
Panel #1	D-Sub 1366*768@60Hz
	D-Sub 1024*768@60Hz
	D-Sub 640*480@60Hz
Panel #2	D-Sub 1366*768@60Hz

NOTE: We tested the EUT with LCD panel #1, and selected the worst test mode to perform test with LCD panel #2.

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 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.

Panel	Test Mode	Data Page
Panel #1	**D-Sub 1366*768@60Hz**	**P12**
	D-Sub 1024*768@60Hz	P13
	D-Sub 640*480@60Hz	P14
Panel #2	D-Sub 1366*768@60Hz	P15

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 D-Sub 1366*768@60Hz test mode (Panel #1). The worst emission is detected at 0.164 MHz (Quasi-Peak Value) with corrected signal level of 47.93 dB (μV) (limit is 65.25 dB (μV)), when the Neutral of the EUT is connected to AMN.

EUT	: LCD Monitor	Temperature	:	22℃	
Model No.	: E1641CX	Humidity	:	48%RH	
Serial No.	: E1205544-01/02	Date of Test	:	May 08, 2012	
Test Mode	: D-Sub 1366*768@60Hz	Panel #1	:	N156BGE	

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.164	46.36	0.24	46.60	65.25	18.65	QP
	0.402	30.22	0.33	30.55	57.81	27.26	
	0.984	25.93	0.32	26.25	56.00	29.75	
	4.070	27.87	0.49	28.36	56.00	27.64	
	6.488	27.27	0.62	27.89	60.00	32.11	
	29.371	39.20	1.26	40.46	60.00	19.54	
	0.164	36.30	0.24	36.54	55.25	18.71	AV
	0.402	20.11	0.33	20.44	47.81	27.37	
	0.984	15.60	0.32	15.92	46.00	30.08	
	4.070	18.60	0.49	19.09	46.00	26.91	
	6.488	17.40	0.62	18.02	50.00	31.98	
	29.371	30.60	1.26	31.86	50.00	18.14	
Neutral	**0.164**	**47.80**	**0.13**	**47.93**	**65.25**	**17.32**	QP
	0.398	28.80	0.16	28.96	57.90	28.94	
	0.984	27.18	0.22	27.40	56.00	28.60	
	4.407	28.36	0.40	28.76	56.00	27.24	
	7.606	24.71	0.59	25.30	60.00	34.70	
	29.841	33.31	1.14	34.45	60.00	25.55	
	0.164	36.30	0.13	36.43	55.25	18.82	AV
	0.398	19.30	0.16	19.46	47.90	28.44	
	0.984	18.20	0.22	18.42	46.00	27.58	
	4.407	19.71	0.40	20.11	46.00	25.89	
	7.606	15.29	0.59	15.88	50.00	34.12	
	29.841	23.20	1.14	24.34	50.00	25.66	

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EUT	: LCD Monitor	Temperature	:	22℃	
Model No.	: E1641CX	Humidity	:	48%RH	
Serial No.	: E1205544-01/02	Date of Test	:	May 08, 2012	
Test Mode	: D-Sub 1024*768@60Hz	Panel #1	:	N156BGE	

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.162	46.37	0.24	46.61	65.34	18.73	QP
	0.413	29.75	0.34	30.09	57.59	27.50	
	0.984	27.49	0.32	27.81	56.00	28.19	
	3.364	28.06	0.43	28.49	56.00	27.51	
	7.852	27.55	0.68	28.23	60.00	31.77	
	29.841	39.11	1.27	40.38	60.00	19.62	
	0.162	36.50	0.24	36.74	55.34	18.60	AV
	0.413	20.70	0.34	21.04	47.59	26.55	
	0.984	17.50	0.32	17.82	46.00	28.18	
	3.364	18.31	0.43	18.74	46.00	27.26	
	7.852	17.80	0.68	18.48	50.00	31.52	
	29.841	**30.60**	**1.27**	**31.87**	**50.00**	**18.13**	
Neutral	0.159	46.63	0.13	46.76	65.52	18.76	QP
	0.402	28.67	0.16	28.83	57.81	28.98	
	0.984	26.12	0.22	26.34	56.00	29.66	
	3.720	27.59	0.38	27.97	56.00	28.03	
	6.951	24.70	0.59	25.29	60.00	34.71	
	29.841	33.49	1.14	34.63	60.00	25.37	
	0.159	36.70	0.13	36.83	55.52	18.69	AV
	0.402	18.10	0.16	18.26	47.81	29.55	
	0.984	16.20	0.22	16.42	46.00	29.58	
	3.720	17.50	0.38	17.88	46.00	28.12	
	6.951	15.10	0.59	15.69	50.00	34.31	
	29.841	23.30	1.14	24.44	50.00	25.56	

TEST ENGINEER: WENCY YANG

EUT	:	LCD Monitor	Temperature	:	22℃
Model No.	:	E1641CX	Humidity	:	48%RH
Serial No.	:	E1205544-01/02	Date of Test	:	May 08, 2012
Test Mode	:	D-Sub 640*480@60Hz	Panel #1	:	N156BGE

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.159	46.09	0.24	46.33	65.52	19.19	QP
	0.408	29.52	0.33	29.85	57.68	27.83	
	0.984	27.35	0.32	27.67	56.00	28.33	
	4.407	27.20	0.49	27.69	56.00	28.31	
	7.606	27.69	0.68	28.37	60.00	31.63	
	29.841	40.00	1.27	41.27	60.00	18.73	
	0.159	35.90	0.24	36.14	55.52	19.38	AV
	0.408	20.41	0.33	20.74	47.68	26.94	
	0.984	17.10	0.32	17.42	46.00	28.58	
	4.407	17.80	0.49	18.29	46.00	27.71	
	7.606	18.09	0.68	18.77	50.00	31.23	
	29.841	30.10	1.27	31.37	50.00	18.63	
Neutral	**0.166**	**46.91**	**0.13**	**47.04**	**65.16**	**18.12**	QP
	0.398	28.52	0.16	28.68	57.90	29.22	
	0.984	26.08	0.22	26.30	56.00	29.70	
	3.720	27.75	0.38	28.13	56.00	27.87	
	7.852	24.82	0.58	25.40	60.00	34.60	
	29.841	33.75	1.14	34.89	60.00	25.11	
	0.166	36.10	0.13	36.23	55.16	18.93	AV
	0.398	17.60	0.16	17.76	47.90	30.14	
	0.984	15.60	0.22	15.82	46.00	30.18	
	3.720	17.50	0.38	17.88	46.00	28.12	
	7.852	15.50	0.58	16.08	50.00	33.92	
	29.841	23.50	1.14	24.64	50.00	25.36	

TEST ENGINEER: WENCY YANG

EUT	:	LCD Monitor	Temperature	:	22℃
Model No.	:	E1641CX	Humidity	:	48%RH
Serial No.	:	E1205544-02/02	Date of Test	:	May 08, 2012
Test Mode	:	D-Sub 1366*768@60Hz	Panel #2	:	LP156WH4

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.162	47.56	0.24	47.80	65.34	17.54	QP
	0.413	29.54	0.34	29.88	57.59	27.71	
	0.984	26.45	0.32	26.77	56.00	29.23	
	3.364	28.52	0.43	28.95	56.00	27.05	
	6.951	26.88	0.66	27.54	60.00	32.46	
	29.841	38.59	1.27	39.86	60.00	20.14	
	0.162	36.60	0.24	36.84	55.34	18.50	AV
	0.413	20.40	0.34	20.74	47.59	26.85	
	0.984	16.21	0.32	16.53	46.00	29.47	
	3.364	17.31	0.43	17.74	46.00	28.26	
	6.951	16.50	0.66	17.16	50.00	32.84	
	29.841	28.30	1.27	29.57	50.00	20.43	
Neutral	**0.162**	**47.87**	**0.13**	**48.00**	**65.34**	**17.34**	QP
	0.402	28.79	0.16	28.95	57.81	28.86	
	0.984	26.33	0.22	26.55	56.00	29.45	
	3.943	26.44	0.39	26.83	56.00	29.17	
	7.852	24.22	0.58	24.80	60.00	35.20	
	29.684	32.74	1.14	33.88	60.00	26.12	
	0.162	36.20	0.13	36.33	55.34	19.01	AV
	0.402	18.20	0.16	18.36	47.81	29.45	
	0.984	15.20	0.22	15.42	46.00	30.58	
	3.943	16.30	0.39	16.69	46.00	29.31	
	7.852	15.50	0.58	16.08	50.00	33.92	
	29.684	22.10	1.14	23.24	50.00	26.76	

TEST ENGINEER: WENCY YANG

4 RADIATED EMISSION TEST

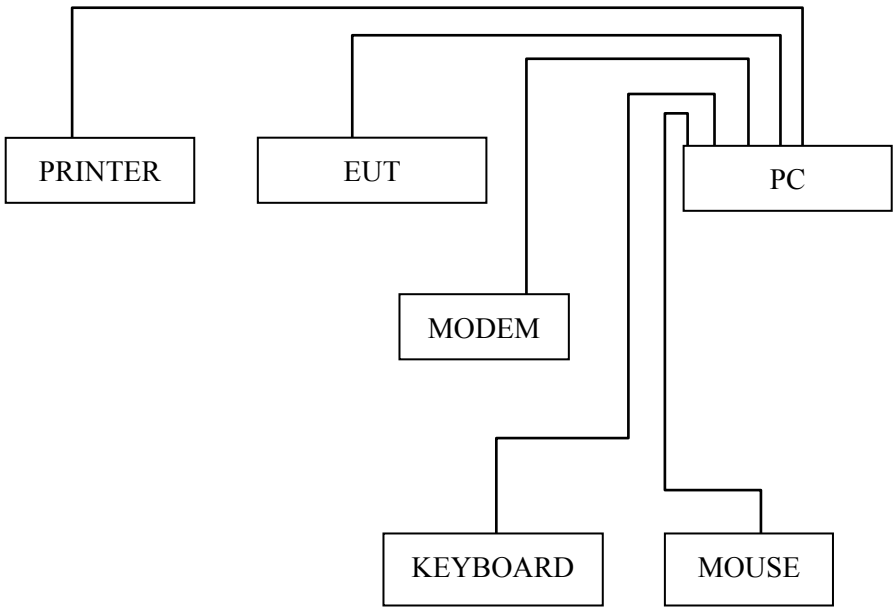
4.1 Test Equipment

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

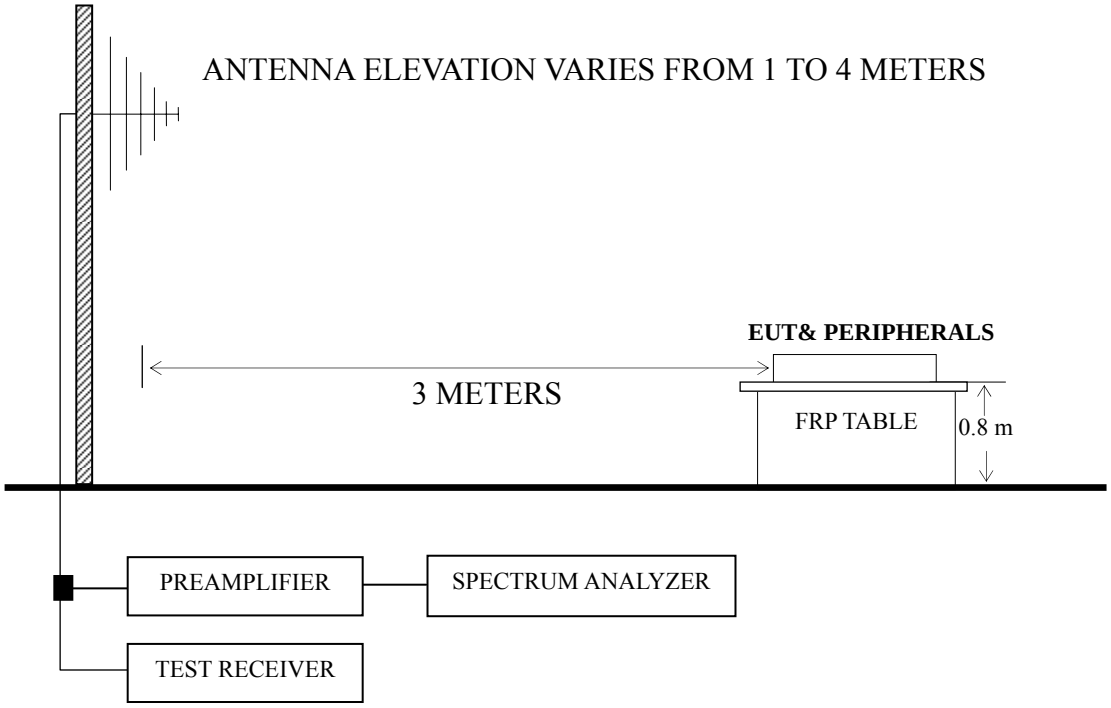
Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Test Receiver	R&S	ESVS10	844594/001	Mar 22, 2012	Mar 22, 2013
2.	Preamplifier	Agilent	8447D	2944A10548	Mar 18, 2012	Sep 18, 2012
3.	Bi-log Antenna	TESEQ	CBL6112D	23192	Dec 01, 2011	Dec 01, 2012
4.	Spectrum	Agilent	E7405A	MY45106600	Mar 22, 2012	Mar 22, 2013
5.	50Ω Coaxial Switch	Anritsu	MP59B	6200426390	Mar 18, 2012	Sep 18, 2012
6.	Software	Audix	E3	SET00200 9912M295-2	--	--

4.2 Block Diagram of Test Setup

4.2.1 EUT and Peripherals



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	
		(μV/m)	dB (μV/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 (μV/m) = 20 log Emission Level (μV/m)
NOTE 2 - The tighter limit applies at the band edges.
NOTE 3 - Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.
NOTE 4 - The limits shown are based on Quasi-peak value detector below or equal to 1GHz and Average value detector above 1GHz.

4.4 Test Configuration

The configuration of the EUT and 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 I.F. bandwidth of Test Receiver R&S ESVS10 was set at 120 kHz.

The frequency range from 30 MHz to 1000MHz was checked for all test 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.

Panel	Test Mode	Data Page
Panel #1	D-Sub 1366*768@60Hz	P20
	D-Sub 1024*768@60Hz	P21
	D-Sub 640*480@60Hz	P22
Panel #2	D-Sub 1366*768@60Hz	P23

NOTE 1 – **The bold test mode** listed above means the worst test mode.
NOTE 2 – Emission Level = Antenna Factor + Cable Loss + Meter Reading.
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 – We tested the EUT with LCD panel #1, and selected the worst test mode to perform test with LCD panel #2.
NOTE 6 – The worst case is for D-Sub 1366*768@60Hz test mode (Panel #1). The worst emission at horizontal polarization was detected at 193.930 MHz with corrected signal level of 31.74 dB (μV/m) (limit is 43.50 dB (μV/m)), when the antenna was 1.00 m height and the turntable was at 60°. The worst emission at vertical polarization was detected at 193.930 MHz with corrected signal level of 38.92 dB (μV/m) (limit is 43.50 dB (μV/m)), when the antenna was 1.00 m height and the turntable was at 250°.

EUT	:	LCD Monitor	Temperature :	22℃	
Model No.	:	E1641CX	Humidity	:	60%RH
Serial No.	:	E1205544-01/02	Date of Test	:	May 10, 2012
Test Mode	:	D-Sub 1366*768@60Hz	Panel #1	:	N156BGE

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	80.440	15.93	10.56	1.59	28.08	40.00	11.92
	169.680	13.70	10.11	2.32	26.13	43.50	17.37
	193.930	**19.47**	**9.86**	**2.41**	**31.74**	**43.50**	**11.76**
	230.790	13.74	11.10	2.55	27.39	46.00	18.61
	546.040	12.21	17.88	3.36	33.45	46.00	12.55
	667.290	11.37	19.12	3.62	34.11	46.00	11.89
Vertical	80.440	19.99	10.56	1.59	32.14	40.00	7.86
	121.180	20.32	10.99	2.03	33.34	43.50	10.16
	193.930	**26.65**	**9.86**	**2.41**	**38.92**	**43.50**	**4.58**
	242.430	15.74	11.65	2.58	29.97	46.00	16.03
	546.040	16.39	17.88	3.36	37.63	46.00	8.37
	667.290	10.59	19.12	3.62	33.33	46.00	12.67

TEST ENGINEER: RAVEN JIN

EUT	:	LCD Monitor	Temperature	:	22℃
Model No.	:	E1641CX	Humidity	:	60%RH
Serial No.	:	E1205544-01/02	Date of Test	:	May 10, 2012
Test Mode	:	D-Sub 1024*768@60Hz	Panel #1	:	N156BGE

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	41.640	18.48	11.78	0.88	31.14	40.00	8.86
	85.290	16.80	10.80	1.66	29.26	40.00	10.74
	121.180	16.70	10.99	2.03	29.72	43.50	13.78
	193.930	22.20	9.86	2.41	34.47	43.50	9.03
	478.140	10.05	17.34	3.21	30.60	46.00	15.40
	667.290	**17.80**	**19.12**	**3.62**	**40.54**	**46.00**	**5.46**
Vertical	**82.380**	**17.71**	**10.67**	**1.63**	**30.01**	**40.00**	**9.99**
	162.890	16.53	10.21	2.29	29.03	43.50	14.47
	240.490	14.59	11.55	2.58	28.72	46.00	17.28
	329.730	12.71	14.54	2.83	30.08	46.00	15.92
	426.730	12.84	16.64	3.06	32.54	46.00	13.46
	667.290	10.02	19.12	3.62	32.76	46.00	13.24

TEST ENGINEER: RAVEN JIN

EUT	:	LCD Monitor	Temperature	:	22℃
Model No.	:	E1641CX	Humidity	:	60%RH
Serial No.	:	E1205544-01/02	Date of Test	:	May 10, 2012
Test Mode	:	D-Sub 640*480@60Hz	Panel #1	:	N156BGE

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	**80.440**	**17.18**	**10.56**	**1.59**	**29.33**	**40.00**	**10.67**
	143.490	15.29	10.54	2.19	28.02	43.50	15.48
	174.530	16.84	10.06	2.33	29.23	43.50	14.27
	237.580	14.62	11.41	2.57	28.60	46.00	17.40
	426.730	12.25	16.64	3.06	31.95	46.00	14.05
	851.590	8.28	20.44	4.45	33.17	46.00	12.83
Vertical	43.580	18.57	10.86	0.89	30.32	40.00	9.68
	96.930	14.77	11.24	1.82	27.83	43.50	15.67
	138.640	17.86	10.65	2.16	30.67	43.50	12.83
	193.930	22.80	9.86	2.41	35.07	43.50	8.43
	526.640	16.14	17.76	3.33	37.23	46.00	8.77
	667.290	**17.34**	**19.12**	**3.62**	**40.08**	**46.00**	**5.92**

TEST ENGINEER: RAVEN JIN

EUT	:	LCD Monitor	Temperature	:	22℃
Model No.	:	E1641CX	Humidity	:	60%RH
Serial No.	:	E1205544-02/02	Date of Test	:	May 10, 2012
Test Mode	:	D-Sub 1366*768@60Hz	Panel #2	:	LP156WH4

Polarization	Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)
Horizontal	**31.940**	**13.59**	**17.29**	**0.82**	**31.70**	**40.00**	**8.30**
	80.440	17.45	10.56	1.59	29.60	40.00	10.40
	135.730	17.48	10.71	2.14	30.33	43.50	13.17
	193.930	19.64	9.86	2.41	31.91	43.50	11.59
	526.640	12.90	17.76	3.33	33.99	46.00	12.01
	667.290	8.05	19.12	3.62	30.79	46.00	15.21
Vertical	**78.500**	**21.86**	**10.45**	**1.56**	**33.87**	**40.00**	**6.13**
	119.240	23.54	11.02	2.01	36.57	43.50	6.93
	240.490	19.78	11.55	2.58	33.91	46.00	12.09
	322.940	14.79	14.34	2.82	31.95	46.00	14.05
	546.040	17.19	17.88	3.36	38.43	46.00	7.57
	667.290	13.98	19.12	3.62	36.72	46.00	9.28

TEST ENGINEER: RAVEN JIN

5 DEVIATION TO TEST SPECIFICATIONS

None.