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

LCD Monitor

Model No.: E1948SX

Serial No.:101NDWENZ681

FCC ID : BEJE1948SX

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-F11035A1
Date of Test : Jul 21, 2011
Date of Report : Aug 01, 2011

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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. : E1948SX
	(B) Serial No. : 101NDWENZ681
	(C) Power Supply : 120V/60Hz

Test Procedure Used:

FCC RULES AND REGULATIONS PART 15 SUBPART B CLASS B OCTOBER 2010 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: E1948SX; S/N: 101NDWENZ681) which was tested in 3m anechoic chamber Jul 21, 2011 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 : Jul 21, 2011 Date of Report : Aug 01, 2011

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 : Sammy Chen
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 2010 AND ANSI C63.4-2003	15.107(a) Class B	Pass
Radiated Disturbance	FCC RULES AND REGULATIONS PART 15 SUBPART B OCTOBER 2010 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. : E1948SX

Serial No. : 101NDWENZ681

Note #1 : The different list for all the models are as follows:

Report No.	Model No.	Rev. Summary	Edition No.	Data of Rev.
ACI-F11035	E1948SX	Original Report.	0	Mar 28, 2011
ACI-F11035A1	E1948SX	To add a new adaptor.	Rev. A1	Aug 01, 2011

Real Power : 20.00W

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

Adaptor : Manufacturer: HONOR
M/N : ADS-40FSG-19 19025GPG
Input : 100-240V~, 50/60Hz 1.0A
Output : 19V ⎓ 1.3A
Output Cable : Unshielded, Undetachable, 1.5m,
with one core

LCD Panel : Manufacturer: LG Display
M/N : LGM190MWW3

Max Resolution : 1440*900@60Hz

D-Sub Cable #1 : Shielded, Detachable, 1.50m,
with two cores on cable

D-Sub Cable #2 : Shielded, Detachable, 1.50m,
with two cores in connector

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 DC In Port
: Connected with Adaptor

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 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	:	KU-0459
Serial Number	:	7691402450604
Data Cable	:	Shielded, Undetachable, 1.8m
Certificate	:	CE/EMC, FCC DoC, VCCI, MIC, C-Tick, BSMI

2.2.4 Mouse

Manufacturer	:	DELL
Model Number	:	MO56UO
Serial Number	:	443048231
Data Cable	:	Shielded, Undetachable, 1.8m.
Certificate	:	CE/EMC, FCC DoC, VCCI, MIC, C-Tick, BSMI

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 = 3.38dB

Radiated Emission Expanded Uncertainty (30MHz - 200MHz):

U = 4.58dB (Horizontal)

U = 4.70dB (Vertical)

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

U = 4.84dB (Horizontal)

U = 4.70dB (Vertical)

3 CONDUCTED EMISSION TEST

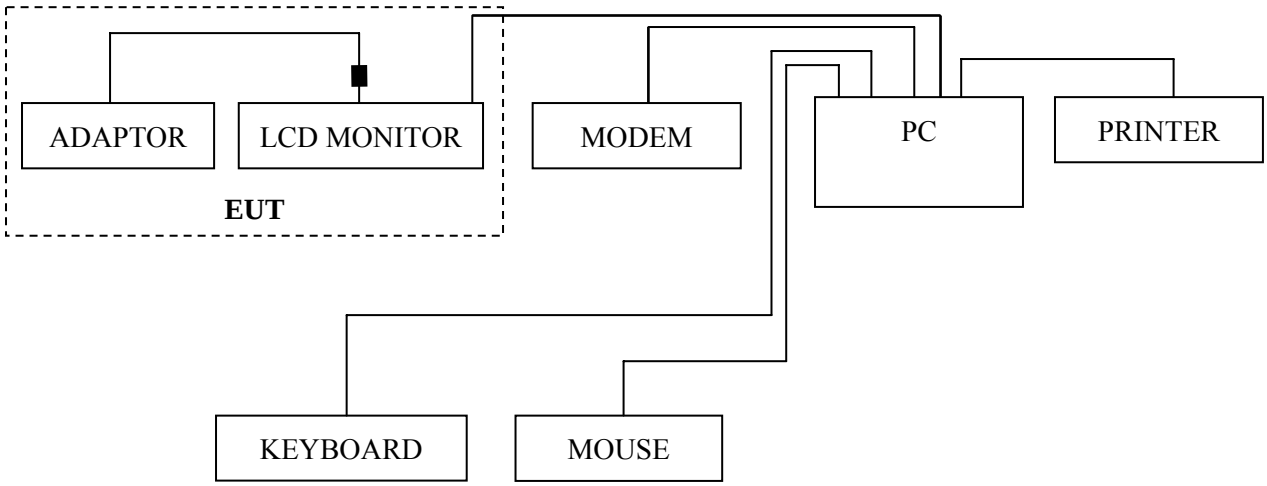
3.1 Test Equipment

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, 2011	Mar 22, 2012
2.	Artificial Mains Network (AMN #1)	R&S	ESH2-Z5	843890/011	Mar 22, 2011	Mar 22, 2012
3.	Artificial Mains Network (AMN #2)	R&S	ENV4200	100125	Mar 22, 2011	Mar 22, 2012
4.	50 Ω Coaxial Switch	Anritsu	MP59B	6200426389	Mar 18, 2011	Sep 18, 2011
5.	50Ω Terminator	Anritsu	BNC	001	Mar 22, 2011	Mar 22, 2012
6.	Software	Audix	E3	SET00200 9804M592	--	--

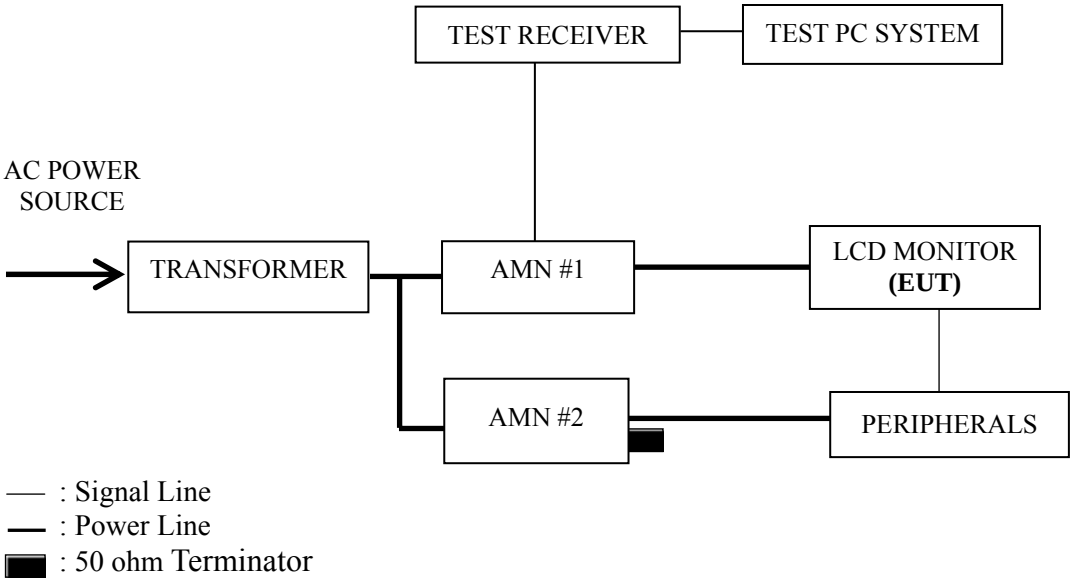
3.2 Block Diagram of Test Setup

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 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 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:

Test Mode
D-Sub 640*480@60Hz
D-Sub 1280*1024@75Hz
D-Sub 1440*900@60Hz

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.

Test Mode	Page
D-Sub 640*480@60Hz	P12
D-Sub 1280*1024@75Hz	**P13**
D-Sub 1440*900@60Hz	P14

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 1280*1024@75Hz test mode. The worst emission is detected at 0.161 MHz (Average Value) with corrected signal level of 50.39 dB (μV) (limit is 55.43 dB (μV)), when the Neutral of the EUT is connected to AMN.

EUT	:	LCD Monitor	Temperature :	22℃	
Model No.	:	E1948SX	Humidity	:	48%RH
Serial No.	:	101NDWENZ681	Date of Test	:	Jul 21, 2011
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	0.157	56.10	0.22	56.32	65.60	9.28	QP
	0.431	44.49	0.31	44.80	57.24	12.44	
	0.804	39.80	0.40	40.20	56.00	15.80	
	1.021	38.56	0.37	38.93	56.00	17.07	
	2.650	37.28	0.45	37.73	56.00	18.27	
	5.005	39.63	0.55	40.18	60.00	19.82	
	0.157	45.80	0.22	46.02	55.60	9.58	AV
	0.431	34.19	0.31	34.50	47.24	12.74	
	0.804	29.75	0.40	30.15	46.00	15.85	
	1.021	28.60	0.37	28.97	46.00	17.03	
	2.650	27.30	0.45	27.75	46.00	18.25	
	5.005	30.10	0.55	30.65	50.00	19.35	
Neutral	0.157	57.98	0.19	58.17	65.60	7.43	QP
	0.336	45.60	0.21	45.81	59.31	13.50	
	0.529	43.49	0.24	43.73	56.00	12.27	
	0.822	40.27	0.34	40.61	56.00	15.39	
	2.554	40.34	0.57	40.91	56.00	15.09	
	4.822	40.25	0.76	41.01	56.00	14.99	
	0.157	**48.10**	**0.19**	**48.29**	**55.60**	**7.31**	AV
	0.336	35.30	0.21	35.51	49.31	13.80	
	0.529	32.90	0.24	33.14	46.00	12.86	
	0.822	29.85	0.34	30.19	46.00	15.81	
	2.554	30.12	0.57	30.69	46.00	15.31	
	4.822	30.20	0.76	30.96	46.00	15.04	

TEST ENGINEER: WENCY YANG

EUT	:	LCD Monitor	Temperature	:	22℃
Model No.	:	E1948SX	Humidity	:	48%RH
Serial No.	:	101NDWENZ681	Date of Test	:	Jul 21, 2011
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	0.157	56.03	0.22	56.25	65.60	9.35	QP
	0.332	41.29	0.27	41.56	59.40	17.84	
	0.431	42.24	0.31	42.55	57.24	14.69	
	0.804	38.48	0.40	38.88	56.00	17.12	
	2.650	38.47	0.45	38.92	56.00	17.08	
	5.221	38.62	0.55	39.17	60.00	20.83	
	0.157	48.50	0.22	48.72	55.60	6.88	AV
	0.332	33.60	0.27	33.87	49.40	15.53	
	0.431	34.49	0.31	34.80	47.24	12.44	
	0.804	30.46	0.40	30.86	46.00	15.14	
	2.650	30.42	0.45	30.87	46.00	15.13	
	5.221	30.29	0.55	30.84	50.00	19.16	
Neutral	0.161	58.04	0.19	58.23	65.43	7.20	QP
	0.339	45.61	0.21	45.82	59.22	13.40	
	0.435	44.81	0.24	45.05	57.15	12.10	
	0.535	43.50	0.24	43.74	56.00	12.26	
	1.296	39.32	0.47	39.79	56.00	16.21	
	5.112	39.57	0.76	40.33	60.00	19.67	
	0.161	**50.20**	**0.19**	**50.39**	**55.43**	**5.04**	AV
	0.339	37.42	0.21	37.63	49.22	11.59	
	0.435	36.28	0.24	36.52	47.15	10.63	
	0.535	35.29	0.24	35.53	46.00	10.47	
	1.296	31.46	0.47	31.93	46.00	14.07	
	5.112	31.58	0.76	32.34	50.00	17.66	

TEST ENGINEER: WENCY YANG

EUT	:	LCD Monitor	Temperature :	22℃	
Model No.	:	E1948SX	Humidity	:	48%RH
Serial No.	:	101NDWENZ681	Date of Test	:	Jul 21, 2011
Test Mode	:	D-Sub 1440*900@60Hz			

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.159	55.29	0.22	55.51	65.52	10.01	QP
	0.213	45.08	0.22	45.30	63.10	17.80	
	0.431	42.35	0.31	42.66	57.24	14.58	
	0.654	38.54	0.38	38.92	56.00	17.08	
	2.448	36.09	0.45	36.54	56.00	19.46	
	5.166	37.55	0.55	38.10	60.00	21.90	
	0.159	47.60	0.22	47.82	55.52	7.70	AV
	0.213	37.11	0.22	37.33	53.10	15.77	
	0.431	34.25	0.31	34.56	47.24	12.68	
	0.654	30.29	0.38	30.67	46.00	15.33	
	2.448	28.43	0.45	28.88	46.00	17.12	
	5.166	29.46	0.55	30.01	50.00	19.99	
Neutral	**0.157**	**58.11**	**0.19**	**58.30**	**65.60**	**7.30**	QP
	0.332	45.31	0.21	45.52	59.40	13.88	
	0.546	43.55	0.24	43.79	56.00	12.21	
	0.963	40.30	0.43	40.73	56.00	15.27	
	2.581	39.26	0.57	39.83	56.00	16.17	
	5.166	40.09	0.77	40.86	60.00	19.14	
	0.157	47.60	0.19	47.79	55.60	7.81	AV
	0.332	35.10	0.21	35.31	49.40	14.09	
	0.546	33.22	0.24	33.46	46.00	12.54	
	0.963	29.86	0.43	30.29	46.00	15.71	
	2.581	28.53	0.57	29.10	46.00	16.90	
	5.166	29.95	0.77	30.72	50.00	19.28	

TEST ENGINEER: WENCY YANG

4 RADIATED EMISSION TEST

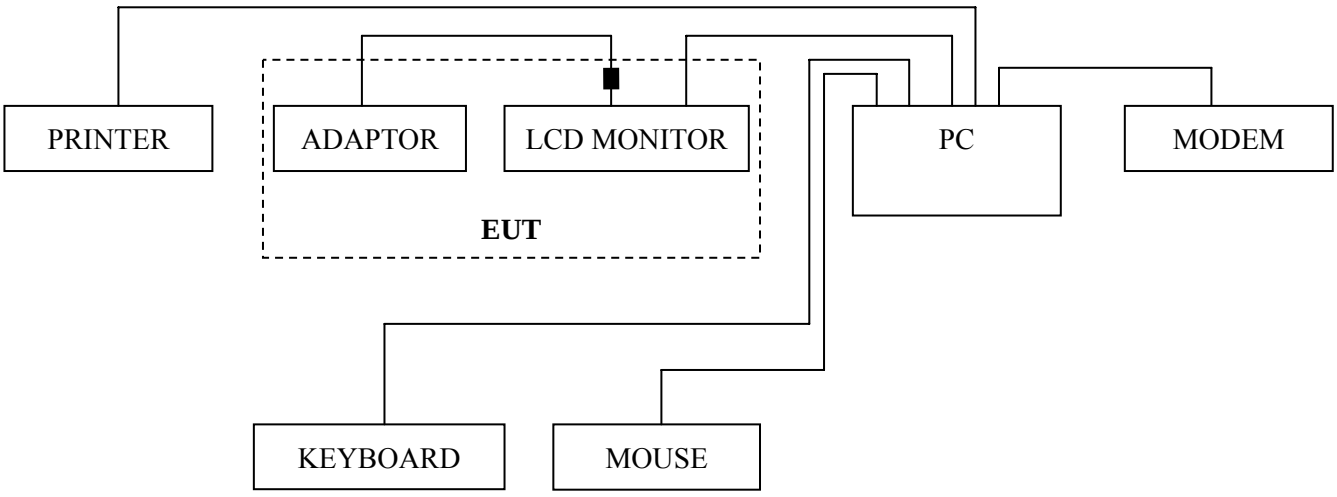
4.1 Test Equipment

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, 2011	Mar 22, 2012
2.	Preamplifier	Agilent	8447D	2944A10548	Mar 18, 2011	Sep 18, 2011
3.	Preamplifier	HP	8449B	3008A00864	Mar 22, 2011	Mar 22, 2012
4.	Horn Antenna	EMCO	3115	00062964	May 13, 2011	May 13, 2012
5.	Bi-log Antenna	TESEQ	CBL6112D	23192	Dec 01, 2011	Dec 01, 2012
6.	Spectrum	Agilent	E7405A	MY45106600	Mar 18, 2011	Sep 18, 2011
7.	50Ω Coaxial Switch	Anritsu	MP59B	6200426389	Mar 18, 2011	Sep 18, 2011
8.	Software	Audix	E3	SET00200 9912M295-2	--	--

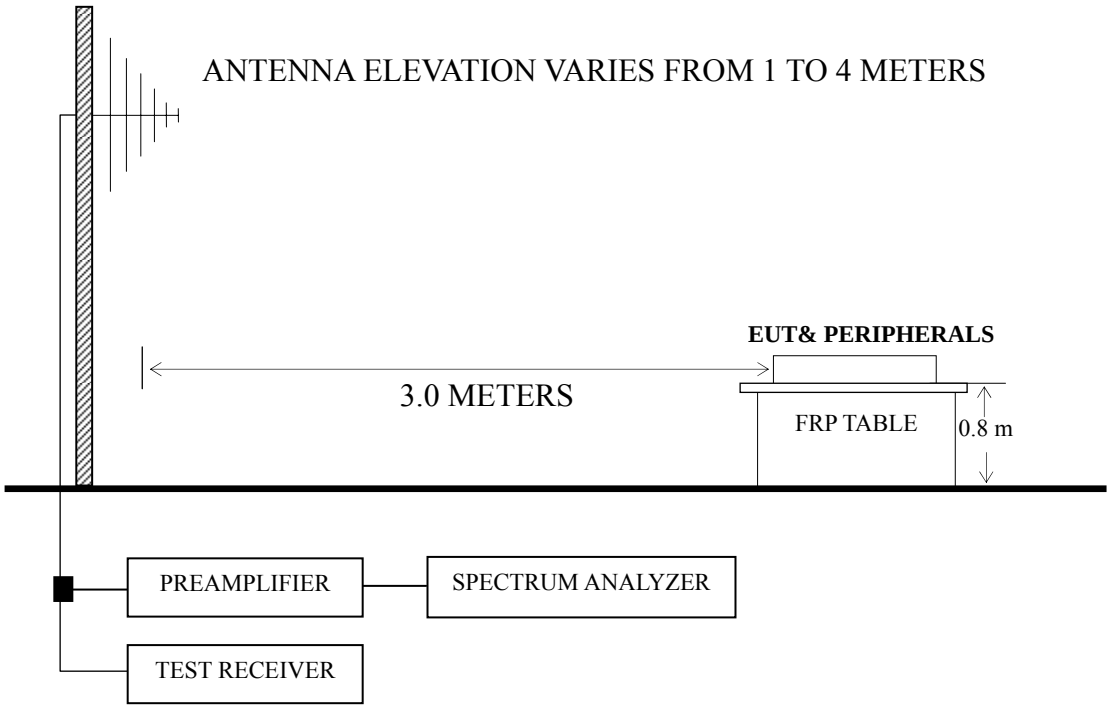
4.2 Block Diagram of Test Setup

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	
		(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.
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 I.F. 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 1440*900@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.

Test Mode	Page
D-Sub 640*480@60Hz	P19
D-Sub 1280*1024@75Hz	**P20-P21**
D-Sub 1440*900@60Hz	P22-P23

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 – All readings are Quasi-Peak values below or equal to 1GHz, Peak and Average values above 1GHz.
NOTE 5 – The emission levels that are 20dB below the official limit are not reported.
NOTE 6 – 0° was the table front facing the antenna. Degree is calculated from 0° clockwise facing the antenna.
NOTE 7 - The worst case is for D-Sub 1280*1024@75Hz test mode. The worst emission at horizontal polarization was detected at 283.000 MHz with corrected signal level of 42.62 dB (μV/m) (limit is 46.00dB (μV/m)), when the antenna was 1.30 m height and the turntable was at 220°. The worst emission at vertical polarization was detected at 41.640 MHz with corrected signal level of 35.50 dB (μV/m) (limit is 40.00 dB (μV/m)), when the antenna was 1.20 m height and the turntable was at 150°.

EUT	:	LCD Monitor	Temperature :	22℃
Model No.	:	E1948SX	Humidity :	60%RH
Serial No.	:	101NDWENZ681	Date of Test :	Jul 21, 2011
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	47.460	51.91	9.37	0.90	34.08	40.00	5.92
	88.200	44.96	10.93	1.70	29.69	43.50	13.81
	224.970	50.93	10.84	2.52	37.33	46.00	8.67
	360.000	**23.70**	**15.41**	**2.90**	**42.01**	**46.00**	**3.99**
	452.920	43.95	17.01	3.13	36.22	46.00	9.78
	806.000	39.01	20.58	3.99	35.85	46.00	10.15
Vertical	92.080	46.27	11.08	1.75	31.21	43.50	12.29
	224.970	46.81	10.84	2.52	33.21	46.00	12.79
	275.410	52.98	12.98	2.68	41.76	46.00	4.24
	288.000	**26.20**	**13.39**	**2.72**	**42.31**	**46.00**	**3.69**
	635.280	39.84	18.67	3.55	33.80	46.00	12.20
	800.180	41.40	20.60	3.88	38.14	46.00	7.86

TEST ENGINEER: RAVEN JIN

EUT	:	LCD Monitor	Temperature :	22℃	
Model No.	:	E1948SX	Humidity	:	60%RH
Serial No.	:	101NDWENZ681	Date of Test	:	Jul 21, 2011
Test Mode	:	D-Sub 1280*1024@75Hz			

Polarization	Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
Horizontal	184.230	45.85	9.95	2.37	--	30.87	43.50	12.63	QP
	271.530	50.47	12.86	2.67	--	39.12	46.00	6.88	
	283.000	**26.70**	**13.21**	**2.71**	**--**	**42.62**	**46.00**	**3.38**	
	534.400	39.81	17.81	3.34	--	32.76	46.00	13.24	
	712.880	37.48	19.63	3.70	--	32.75	46.00	13.25	
	800.180	39.18	20.60	3.88	--	35.92	46.00	10.08	
	1135.000	49.78	25.49	5.32	37.91	42.68	74.00	31.32	PK
	1455.000	47.56	26.88	5.72	37.08	43.08	74.00	30.92	
	2120.000	41.97	27.93	6.59	36.17	40.32	74.00	33.68	
	3000.000	42.79	31.90	6.45	35.89	45.25	74.00	28.75	
	4140.000	38.98	33.44	8.38	35.64	45.16	74.00	28.84	
	4845.000	39.23	35.89	9.14	35.29	48.97	74.00	25.03	
	1135.000	41.78	25.49	5.32	37.91	34.68	54.00	19.32	AV
	1455.000	40.56	26.88	5.72	37.08	36.08	54.00	17.92	
	2120.000	32.97	27.93	6.59	36.17	31.32	54.00	22.68	
	3000.000	35.79	31.90	6.45	35.89	38.25	54.00	15.75	
	4140.000	33.98	33.44	8.38	35.64	40.16	54.00	13.84	
	4845.000	30.23	35.89	9.14	35.29	39.97	54.00	14.03	

TEST ENGINEER: RAVEN JIN

EUT	:	LCD Monitor	Temperature :	22℃	
Model No.	:	E1948SX	Humidity	:	60%RH
Serial No.	:	101NDWENZ681	Date of Test	:	Jul 21, 2011
Test Mode	:	D-Sub 1280*1024@75Hz			

Polarization	Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
Vertical	**41.640**	**50.97**	**11.78**	**0.88**	--	**35.50**	**40.00**	**4.50**	QP
	88.200	43.96	10.93	1.70	--	28.69	43.50	14.81	
	224.970	50.37	10.84	2.52	--	36.77	46.00	9.23	
	441.280	43.86	16.84	3.09	--	36.00	46.00	10.00	
	541.190	41.33	17.86	3.34	--	34.31	46.00	11.69	
	797.270	42.64	20.57	3.88	--	39.34	46.00	6.66	
	1135.000	45.70	25.49	5.32	37.91	38.60	74.00	35.40	PK
	1460.000	47.02	26.89	5.72	37.07	42.56	74.00	31.44	
	1780.000	48.58	27.24	6.20	36.46	45.56	74.00	28.44	
	2430.000	42.83	29.35	6.92	36.08	43.02	74.00	30.98	
	3335.000	38.45	32.04	6.92	35.81	41.60	74.00	32.40	
	3895.000	38.45	33.07	7.88	35.71	43.69	74.00	30.31	
	1135.000	37.70	25.49	5.32	37.91	30.60	54.00	23.40	AV
	1460.000	37.02	26.89	5.72	37.07	32.56	54.00	21.44	
	1780.000	40.58	27.24	6.20	36.46	37.56	54.00	16.44	
	2430.000	35.83	29.35	6.92	36.08	36.02	54.00	17.98	
	3335.000	31.45	32.04	6.92	35.81	34.60	54.00	19.40	
	3895.000	31.45	33.07	7.88	35.71	36.69	54.00	17.31	

TEST ENGINEER: RAVEN JIN

EUT	:	LCD Monitor	Temperature :	22℃	
Model No.	:	E1948SX	Humidity :	60%RH	
Serial No.	:	101NDWENZ681	Date of Test :	Jul 21, 2011	
Test Mode	:	D-Sub 1440*900@60Hz			

Polarization	Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
Horizontal	**48.430**	**54.46**	**9.02**	**0.90**	--	**36.31**	**40.00**	**3.69**	QP
	88.200	44.43	10.93	1.70	--	29.16	43.50	14.34	
	225.940	49.45	10.88	2.52	--	35.89	46.00	10.11	
	328.760	47.37	14.50	2.83	--	37.62	46.00	8.38	
	564.470	43.55	18.01	3.39	--	36.67	46.00	9.33	
	756.530	40.76	20.16	3.82	--	36.85	46.00	9.15	
	1135.000	45.78	25.49	5.32	37.91	38.68	74.00	35.32	PK
	1455.000	43.56	26.88	5.72	37.08	39.08	74.00	34.92	
	1780.000	41.95	27.24	6.20	36.46	38.93	74.00	35.07	
	2955.000	37.22	31.74	6.53	35.90	39.59	74.00	34.41	
	3915.000	35.51	33.11	8.01	35.71	40.92	74.00	33.08	
	4845.000	35.23	35.89	9.14	35.29	44.97	74.00	29.03	
	1135.000	36.78	25.49	5.32	37.91	29.68	54.00	24.32	AV
	1455.000	34.56	26.88	5.72	37.08	30.08	54.00	23.92	
	1780.000	30.95	27.24	6.20	36.46	27.93	54.00	26.07	
	2955.000	30.22	31.74	6.53	35.90	32.59	54.00	21.41	
	3915.000	27.51	33.11	8.01	35.71	32.92	54.00	21.08	
	4845.000	26.23	35.89	9.14	35.29	35.97	54.00	18.03	

TEST ENGINEER: RAVEN JIN

EUT	:	LCD Monitor	Temperature :		22℃
Model No.	:	E1948SX	Humidity	:	60%RH
Serial No.	:	101NDWENZ681	Date of Test	:	Jul 21, 2011
Test Mode	:	D-Sub 1440*900@60Hz			

Polarization	Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
Vertical	191.990	46.76	9.87	2.40	--	31.84	43.50	11.66	QP
	287.050	**50.83**	**13.35**	**2.72**	**--**	**40.01**	**46.00**	**5.99**	
	334.000	20.00	14.66	2.84	--	37.50	46.00	8.50	
	570.290	38.05	18.04	3.40	--	31.20	46.00	14.80	
	667.290	38.98	19.12	3.62	--	33.55	46.00	12.45	
	975.750	35.20	20.69	5.15	--	33.85	54.00	20.15	
	1135.000	44.70	25.49	5.32	37.91	37.60	74.00	36.40	PK
	1780.000	47.58	27.24	6.20	36.46	44.56	74.00	29.44	
	2430.000	43.83	29.35	6.92	36.08	44.02	74.00	29.98	
	3000.000	43.52	31.90	6.45	35.89	45.98	74.00	28.02	
	3785.000	39.28	32.84	7.75	35.73	44.14	74.00	29.86	
	5215.000	38.28	36.62	9.40	35.09	49.21	74.00	24.79	
	1135.000	35.70	25.49	5.32	37.91	28.60	54.00	25.40	AV
	1780.000	39.58	27.24	6.20	36.46	36.56	54.00	17.44	
	2430.000	36.83	29.35	6.92	36.08	37.02	54.00	16.98	
	3000.000	34.52	31.90	6.45	35.89	36.98	54.00	17.02	
	3785.000	33.28	32.84	7.75	35.73	38.14	54.00	15.86	
	5215.000	29.28	36.62	9.40	35.09	40.21	54.00	13.79	

TEST ENGINEER: RAVEN JIN

5 DEVIATION TO TEST SPECIFICATIONS

None.