

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

LCD Monitor

Model No.: W1954SQV

Serial No.: 811NDRF4J342

FCC ID : BEJW1954SV

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

Prepared By : Audix Technology (Shanghai) Co., Ltd.
3F 34Bldg 680 Guiping Rd,
Caohejing Hi-Tech Park,
Shanghai 200233, China

Tel: +86-21-64955500
Fax: +86-21-64955491

Report No. : ACI-F08071
Date of Test : Dec 02 – 03, 2008
Date of Report : Dec 08, 2008

TABLE OF CONTENTS

	Page
1 SUMMARY OF STANDARDS AND RESULTS	4
1.1 Description of Standards and Results	4
2 GENERAL INFORMATION	5
2.1 Description of Equipment Under Test	5
2.2 Peripherals	6
2.3 Description of Test Facility	7
2.4 Measurement Uncertainty	7
3 CONDUCTED EMISSION TEST	8
3.1 Test Equipment	8
3.2 Block Diagram of Test Setup	8
3.3 Conducted Emission Limit [FCC Part 15 Subpart B 15.107(a)]	9
3.4 Test Configuration	9
3.5 Operating Condition of EUT	10
3.6 Test Procedures	10
3.7 Test Results	11
4 RADIATED EMISSION TEST	15
4.1 Test Equipment	15
4.2 Block Diagram of Test Setup	15
4.3 Radiated Emission Limit [FCC Part 15 Subpart B 15.109(a)]	16
4.4 Test Configuration	16
4.5 Operating Condition of EUT	17
4.6 Test Procedures	17
4.7 Test Results	18
5 DEVIATION TO TEST SPECIFICATIONS	22
6 DEBUG DESCRIPTION	23

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. : W1954SQV
(B) Serial No. : 811NDRF4J342
(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: W1954SQV; S/N: 811NDRF4J342) which was tested in 3m anechoic chamber on Dec 02 – 03, 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 : Dec 02 – 03, 2008 Date of Report : Dec 08, 2008

Producer : Kathy Wang
KATHY WANG / Assistant

Review : Dio Yang
DIO YANG / Supervisor

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

Signatory : Sunny Chen
Authorized Signature EMCSAMMY 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.	:	W1954SQV
Serial No.	:	811NDRF4J342
Real Power	:	36.00W
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
LCD Panel	:	Manufacturer: LG Display M/N : LM190WX1 (TL) (G1)
Max Resolution	:	1440*900@75Hz
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
Power Cord	:	Unshielded, Detachable, 1.80m
Note	:	After evaluation, the D-Sub cable#1 was 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 AC In Port | : Connected with Power |

2.2 Peripherals

2.2.1 PC

Manufacturer : HP
Model Number : dx7400MT
Serial Number : CNG8130K89
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
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 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

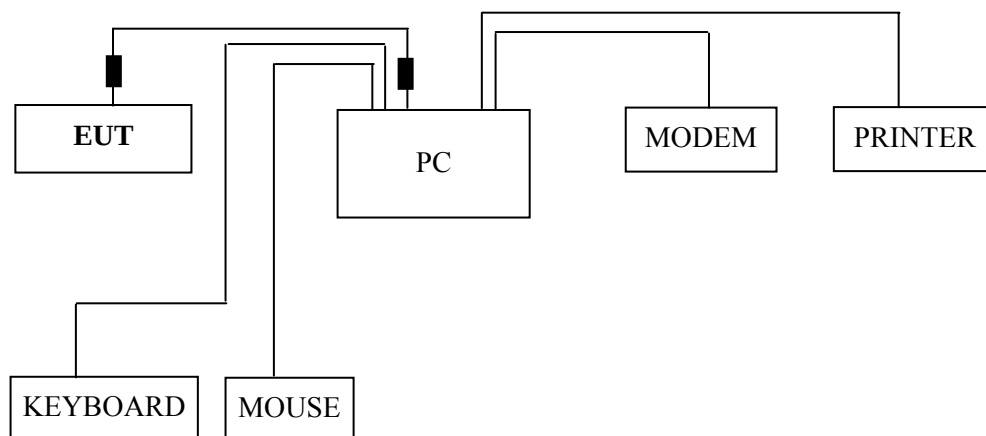
3.1 Test Equipment

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	ESHS10	830223/007	Apr 02, 2008	Apr 02, 2009
2.	Artificial Mains Network (AMN)	R&S	ESH2-Z5	843890/011	Apr 02, 2008	Apr 02, 2009
3.	Line Impedance Stabilization Network (LISN)	Kyoritsu	KNW-407	8-1280-4	Apr 02, 2008	Apr 02, 2009
4.	Balanced Telecom ISN	FCC	FCC-TLISN-T4-02	20518		
5.	50 Ω Coaxial Switch	Anritsu	MP59B	6200426389	Sep 19, 2008	Mar 19, 2009
6.	50 Ω Terminator	Anritsu	BNC	001	Apr 02, 2008	Apr 02, 2009
7.	Software	Audix	E3	SET00200 9804M592	--	--

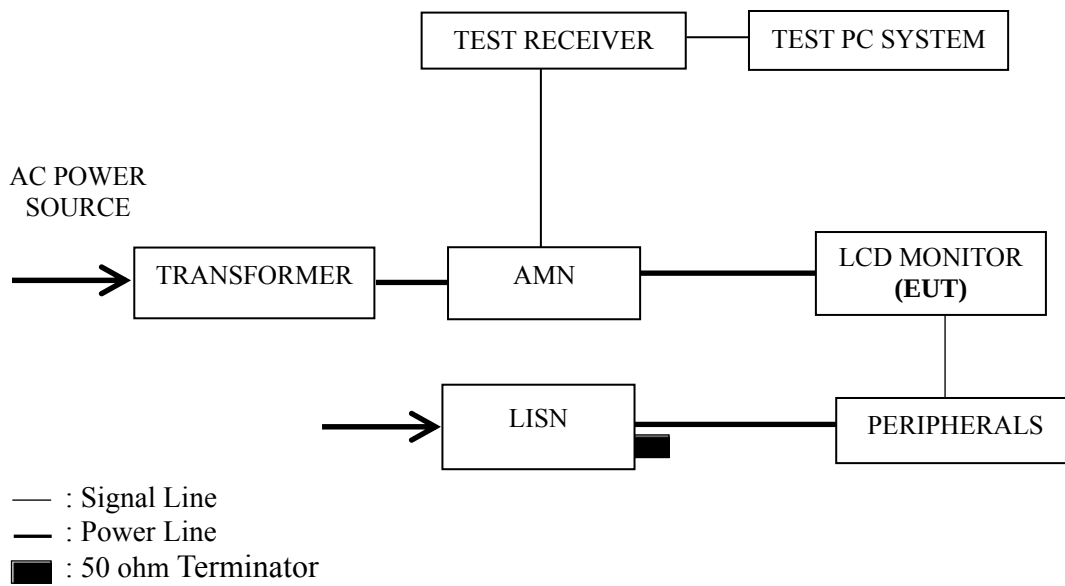
3.2 Block Diagram of Test Setup

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 1024*768@60Hz
D-Sub 1440*900@75Hz

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
D-Sub 640*480@60Hz	P12
D-Sub 1024*768@60Hz	P13
D-Sub 1440*900@75Hz	P14

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 D-Sub 1024*768@60Hz test mode. The worst emission is detected at 23.018 MHz (Average Value) with corrected signal level of 41.34 dB (μV) (limit is 50.00 dB (μV)), when the Neutral of the EUT is connected to AMN.

EUT : LCD Monitor Temperature : 21°C

Model No. : W1954SQV Humidity : 50%RH

Serial No. : 811NDRF4J342 Date of Test : Dec 02, 2008

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	0.211	46.92	0.20	47.12	63.18	16.06	QP
	0.279	37.80	0.22	38.02	60.85	22.83	
	0.627	35.19	0.22	35.41	56.00	20.59	
	2.664	30.66	0.32	30.98	56.00	25.02	
	17.109	35.52	0.71	36.23	60.00	23.77	
	23.018	43.26	0.83	44.09	60.00	15.91	
	0.211	40.10	0.20	40.30	53.18	12.88	AV
	0.279	31.62	0.22	31.84	50.85	19.01	
	0.627	29.40	0.22	29.62	46.00	16.38	
	2.664	25.10	0.32	25.42	46.00	20.58	
	17.109	30.40	0.71	31.11	50.00	18.89	
	23.018	37.45	0.83	38.28	50.00	11.72	
Neutral	0.211	47.35	0.20	47.55	63.18	15.63	QP
	0.279	40.00	0.22	40.22	60.85	20.63	
	0.627	35.43	0.22	35.65	56.00	20.35	
	2.384	29.23	0.27	29.50	56.00	26.50	
	9.654	38.16	0.59	38.75	60.00	21.25	
	13.695	41.57	0.58	42.15	60.00	17.85	
	0.211	41.50	0.20	41.70	53.18	11.48	AV
	0.279	35.60	0.22	35.82	50.85	15.03	
	0.627	29.70	0.22	29.92	46.00	16.08	
	2.384	23.65	0.27	23.92	46.00	22.08	
	9.654	33.40	0.59	33.99	50.00	16.01	
	13.695	35.80	0.58	36.38	50.00	13.62	

TEST ENGINEER: YONG XU

EUT : LCD Monitor Temperature : 21°C

Model No. : W1954SQV Humidity : 50%RH

Serial No. : 811NDRF4J342 Date of Test : Dec 02, 2008

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	0.209	46.38	0.20	46.58	63.23	16.65	QP
	0.279	38.75	0.22	38.97	60.85	21.88	
	0.627	35.13	0.22	35.35	56.00	20.65	
	2.664	30.22	0.32	30.54	56.00	25.46	
	19.950	38.29	0.72	39.01	60.00	20.99	
	23.018	43.14	0.83	43.97	60.00	16.03	
	0.209	41.30	0.20	41.50	53.23	11.73	AV
	0.279	32.31	0.22	32.53	50.85	18.32	
	0.627	30.54	0.22	30.76	46.00	15.24	
	2.664	25.40	0.32	25.72	46.00	20.28	
	19.950	31.27	0.72	31.99	50.00	18.01	
	23.018	38.55	0.83	39.38	50.00	10.62	
Neutral	0.209	47.51	0.20	47.71	63.23	15.52	QP
	0.279	39.98	0.22	40.20	60.85	20.65	
	0.627	35.61	0.22	35.83	56.00	20.17	
	5.653	37.77	0.39	38.16	60.00	21.84	
	13.695	41.71	0.58	42.29	60.00	17.71	
	23.018	46.93	0.64	47.57	60.00	12.43	
	0.209	41.20	0.20	41.40	53.23	11.83	AV
	0.279	33.50	0.22	33.72	50.85	17.13	
	0.627	30.25	0.22	30.47	46.00	15.53	
	5.653	32.31	0.39	32.70	50.00	17.30	
	13.695	35.26	0.58	35.84	50.00	14.16	
	23.018	40.70	0.64	41.34	50.00	8.66	

TEST ENGINEER: YONG XU

EUT : LCD Monitor Temperature : 21°C

Model No. : W1954SQV Humidity : 50%RH

Serial No. : 811NDRF4J342 Date of Test : Dec 02, 2008

Test Mode : D-Sub 1440*900@75Hz

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.209	47.12	0.20	47.32	63.23	15.91	QP
	0.282	38.02	0.22	38.24	60.76	22.52	
	0.627	35.31	0.22	35.53	56.00	20.47	
	2.664	31.22	0.32	31.54	56.00	24.46	
	5.653	31.16	0.43	31.59	60.00	28.41	
	16.750	44.45	0.71	45.16	60.00	14.84	
	0.209	37.80	0.20	38.00	53.23	15.23	AV
	0.282	30.50	0.22	30.72	50.76	20.04	
	0.627	28.50	0.22	28.72	46.00	17.28	
	2.664	26.80	0.32	27.12	46.00	18.88	
	5.653	25.30	0.43	25.73	50.00	24.27	
	16.750	36.90	0.71	37.61	50.00	12.39	
Neutral	0.209	47.51	0.20	47.71	63.23	15.52	QP
	0.279	39.53	0.22	39.75	60.85	21.10	
	1.191	27.11	0.24	27.35	56.00	28.65	
	5.653	37.58	0.39	37.97	60.00	22.03	
	13.695	41.61	0.58	42.19	60.00	17.81	
	23.018	46.73	0.64	47.37	60.00	12.63	
	0.209	37.60	0.20	37.80	53.23	15.43	AV
	0.279	33.80	0.22	34.02	50.85	16.83	
	1.191	22.30	0.24	22.54	46.00	23.46	
	5.653	31.25	0.39	31.64	50.00	18.36	
	13.695	35.62	0.58	36.20	50.00	13.80	
	23.018	40.10	0.64	40.74	50.00	9.26	

TEST ENGINEER: YONG XU

4 RADIATED EMISSION TEST

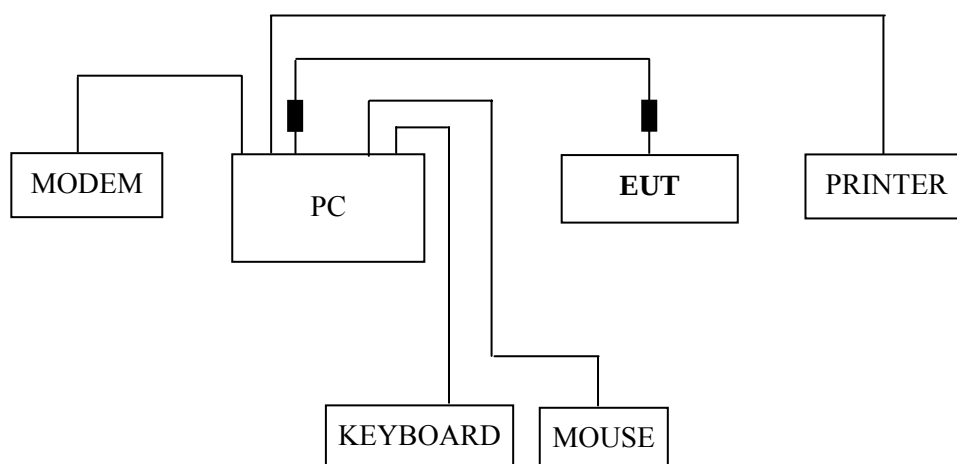
4.1 Test Equipment

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

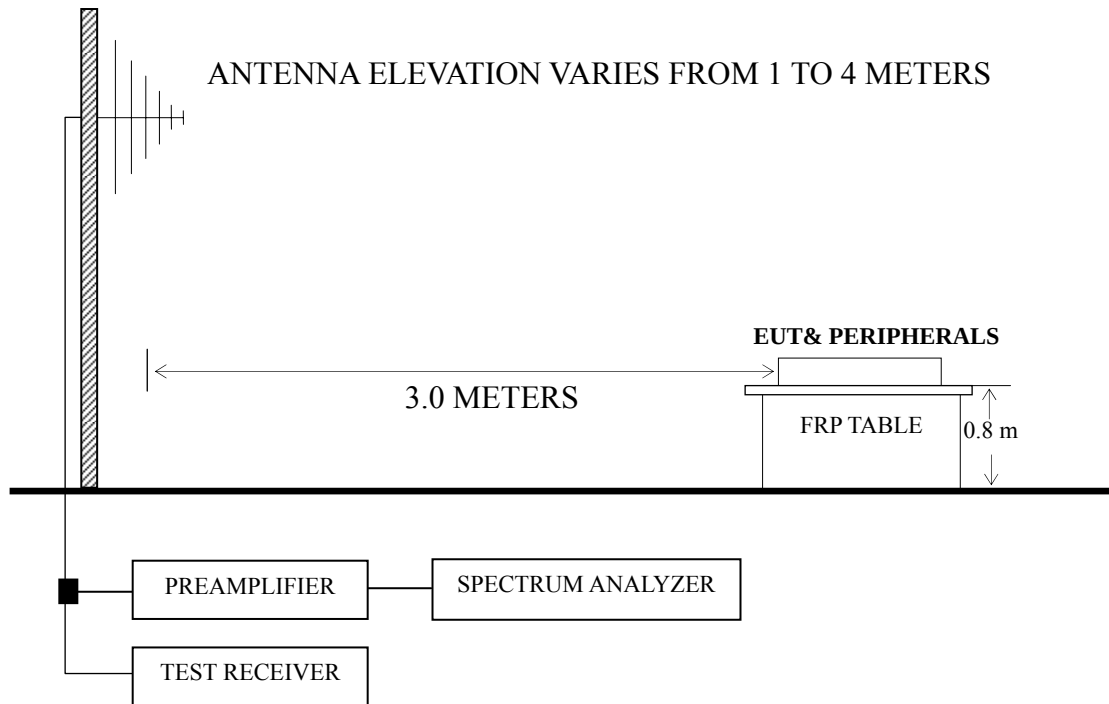
4.2 Block Diagram of Test Setup

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 1440*900@75Hz mode.

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
D-Sub 640*480@60Hz	P19
D-Sub 1024*768@60Hz	P20
D-Sub 1440*900@75Hz	P21

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. 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 D-Sub 640*480@60Hz test mode. The worst emission at horizontal polarization was detected at 186.170MHz with corrected signal level of 33.15 dB (μV/m) (limit is 43.50 dB (μV/m)), when the antenna was 1.40 m height and the turntable was at 280°. The worst emission at vertical polarization was detected at 63.950MHz with corrected signal level of 34.31dB (μV/m) (limit is 40.00 dB (μV/m)), when the antenna was 1.00 m height and the turntable was at 120°.

EUT : LCD Monitor Temperature : 22°C

Model No. : W1954SQV Humidity : 60%RH

Serial No. : 811NDRF4J342 Date of Test : Dec 03, 2008

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	63.950	17.20	6.56	0.84	24.60	40.00	15.40
	186.170	21.97	10.14	1.04	33.15	43.50	10.35
	232.730	17.93	12.24	1.21	31.38	46.00	14.62
	385.020	16.55	16.20	1.98	34.73	46.00	11.27
	715.790	8.37	19.85	3.12	31.34	46.00	14.66
	831.220	9.27	21.01	3.38	33.66	46.00	12.34
Vertical	34.850	13.99	16.97	0.62	31.58	40.00	8.42
	63.950	26.91	6.56	0.84	34.31	40.00	5.69
	94.990	17.19	10.45	0.85	28.49	43.50	15.01
	167.740	24.11	10.27	0.98	35.36	43.50	8.14
	315.180	18.55	14.32	1.62	34.49	46.00	11.51
	715.790	11.00	19.85	3.12	33.97	46.00	12.03

TEST ENGINEER: TOM SI

EUT : LCD Monitor Temperature : 22°C

Model No. : W1954SQV Humidity : 60%RH

Serial No. : 811NDRF4J342 Date of Test : Dec 03, 2008

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	63.950	15.70	6.56	0.84	23.10	40.00	16.90
	167.740	18.46	10.27	0.98	29.71	43.50	13.79
	200.720	19.06	10.74	1.08	30.88	43.50	12.62
	372.410	16.59	15.92	1.91	34.42	46.00	11.58
	773.020	4.51	20.46	3.27	28.24	46.00	17.76
	831.220	7.99	21.01	3.38	32.38	46.00	13.62
Vertical	34.850	12.82	16.97	0.62	30.41	40.00	9.59
	62.010	22.75	6.58	0.84	30.17	40.00	9.83
	87.230	21.44	8.96	0.86	31.26	40.00	8.74
	179.380	18.37	9.92	1.02	29.31	43.50	14.19
	315.180	20.10	14.32	1.62	36.04	46.00	9.96
	715.790	10.40	19.85	3.12	33.37	46.00	12.63

TEST ENGINEER: TOM SI

EUT : LCD Monitor Temperature : 22°C

Model No. : W1954SQV Humidity : 60%RH

Serial No. : 811NDRF4J342 Date of Test : Dec 03, 2008

Test Mode : D-Sub 1440*900@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	63.950	19.47	6.56	0.84	--	26.87	40.00	13.13	QP
	165.800	19.01	10.33	0.97	--	30.31	43.50	13.19	
	178.410	22.06	9.94	1.02	--	33.02	43.50	10.48	
	229.820	18.51	12.11	1.20	--	31.82	46.00	14.18	
	385.020	15.53	16.20	1.98	--	33.71	46.00	12.29	
	831.220	10.09	21.01	3.38	--	34.48	46.00	11.52	
	1030.000	46.69	22.60	3.93	37.61	35.61	74.00	38.39	PK
	1323.000	49.60	24.70	4.42	36.89	41.83	74.00	32.17	
	1451.000	52.15	25.53	4.66	36.63	45.71	74.00	28.29	
	1629.000	46.07	26.47	4.99	36.29	41.24	74.00	32.76	
	1750.000	42.53	26.78	5.18	36.08	38.41	74.00	35.59	
	1961.000	43.25	27.86	5.28	35.75	40.64	74.00	33.36	
Vertical	31.940	15.06	18.49	0.59	--	34.14	40.00	5.86	QP
	62.010	24.08	6.58	0.84	--	31.50	40.00	8.50	
	83.350	19.16	8.30	0.86	--	28.32	40.00	11.68	
	166.770	19.28	10.31	0.98	--	30.57	43.50	12.93	
	372.410	13.73	15.92	1.91	--	31.56	46.00	14.44	
	715.790	9.67	19.85	3.12	--	32.64	46.00	13.36	
	1122.000	48.05	23.24	4.07	37.37	37.99	74.00	36.01	PK
	1311.000	54.52	24.58	4.39	36.92	46.57	74.00	27.43	
	1451.000	46.16	25.53	4.66	36.63	39.72	74.00	34.28	
	1653.000	48.51	26.54	5.02	36.25	43.82	74.00	30.18	
	1831.000	45.37	27.08	5.22	35.95	41.72	74.00	32.28	
	1975.000	47.90	27.96	5.28	35.73	45.41	74.00	28.59	

TEST ENGINEER: TOM SI

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 Appendix Internal Photos Figure 2, 14, 15