

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

LCD Monitor

Model No.: W2353TQV

Serial No.: 001NDRFJJ214

FCC ID : BEJW2353TQV

Prepared For : LG Electronics U.S.A., Inc.
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Date of Test : Feb 11, 2010
Date of Report : Mar 02, 2010

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.....	20
4.1 Test Equipment.....	20
4.2 Block Diagram of Test Setup.....	20
4.3 Radiated Emission Limit [FCC Part 15 Subpart B 15.109(a)].....	21
4.4 Test Configuration.....	21
4.5 Operating Condition of EUT.....	22
4.6 Test Procedures.....	22
4.7 Test Results.....	23
5 DEVIATION TO TEST SPECIFICATIONS.....	32
6 DEBUG DESCRIPTION.....	33

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. : W2353TQV
(B) Serial No. : 001NDRFJJ214
(C) Power Supply : 120V/60Hz

Test Procedure Used:

*FCC RULES AND REGULATIONS PART 15 SUBPART B CLASS B OCTOBER 2009
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 Feb 11, 2010 is technically compliance with the FCC official limits also.

This report applies to above tested sample only. This report shall not be reproduced in part without written approval of Audix Technology (Shanghai) Co., Ltd.

This report contains data that are not covered by the NVLAP accreditation.

This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government.

Date of Test : Feb 11, 2010 Date of Report : Mar 02, 2010

Producer : Alan He
ALAN HE / Assistant

Review : Dio Yang
DIO YANG / Deputy Assistant Manager

AUDIX[®] 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 2009 AND ANSI C63.4-2003	15.107(a) Class B	Pass
Radiated Disturbance	FCC RULES AND REGULATIONS PART 15 SUBPART B OCTOBER 2009 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.	:	W2353TQV
Serial No.	:	001NDRFJJ214
Real Power	:	46.00W
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 : LM230WF1 (TL) (E1)
Max Resolution	:	1920*1080@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 : 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 : 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

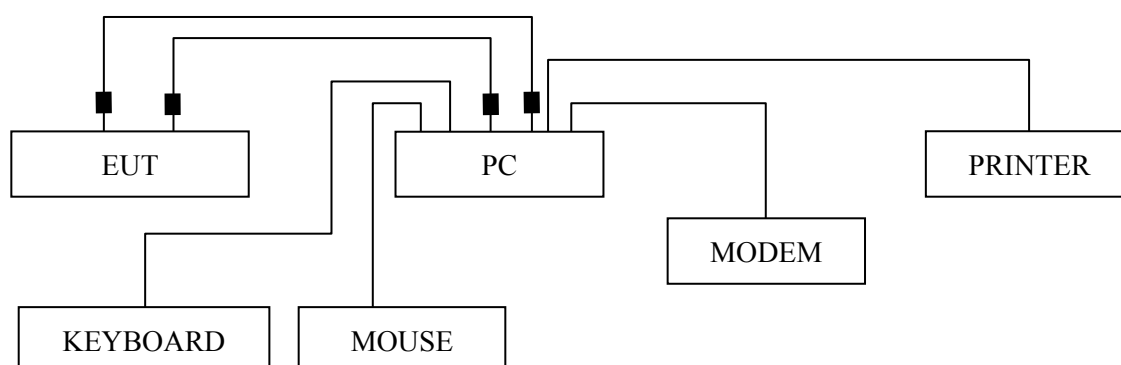
3.1 Test Equipment

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, 2009	Nov 21, 2010
2.	Artificial Mains Network (AMN)	R&S	ESH2-Z5	843890/011	Apr 02, 2009	Apr 02, 2010
3.	Line Impedance Stabilization Network (LISN)	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	--	--

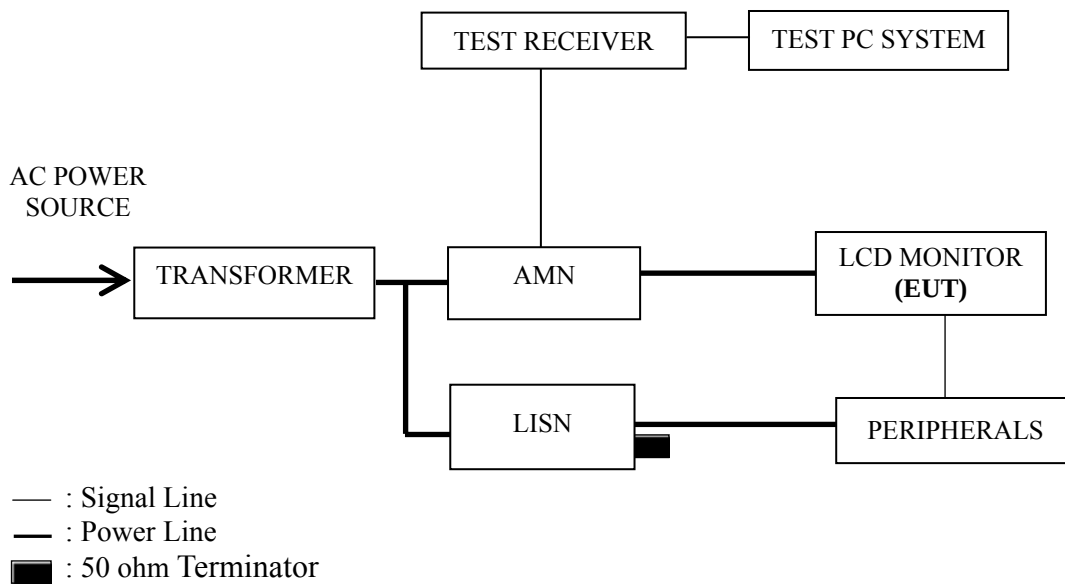
3.2 Block Diagram of Test Setup

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 (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 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
W2353TQV	D-Sub 640*480@60Hz
	D-Sub 1280*1024@75Hz
	D-Sub 1680*1050@60Hz
	D-Sub 1920*1080@60Hz
	DVI 640*480@60Hz
	DVI 1280*1024@75Hz
	DVI 1680*1050@60Hz
	DVI 1920*1080@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.

M/N	Test Mode	Data Page
W2353TQV	D-Sub 640*480@60Hz	P12
	D-Sub 1280*1024@75Hz	P13
	D-Sub 1680*1050@60Hz	P14
	D-Sub 1920*1080@60Hz	P15
	DVI 640*480@60Hz	P16
	DVI 1280*1024@75Hz	P17
	DVI 1680*1050@60Hz	P18
	DVI 1920*1080@60Hz	P19

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 640*480@60Hz test mode. The worst emission is detected at 0.216 MHz (Average Value) with corrected signal level of 43.37 dB (μV) (limit is 52.96 dB (μV)), when the Neutral the EUT is connected to AMN.

EUT : LCD Monitor Temperature : 22°C

Model No. : W2353TQV Humidity : 48%RH

Serial No. : 001NDRFJJ214 Date of Test : Feb 11, 2010

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	0.150	53.38	0.24	53.62	65.99	12.37	QP
	0.215	47.97	0.29	48.26	63.01	14.75	
	0.647	30.93	0.45	31.38	56.00	24.62	
	3.943	28.93	0.61	29.54	56.00	26.46	
	6.769	27.99	0.68	28.67	60.00	31.33	
	24.142	36.62	1.08	37.70	60.00	22.30	
	0.150	45.50	0.24	45.74	55.99	10.25	AV
	0.215	39.01	0.29	39.30	53.01	13.71	
	0.647	26.18	0.45	26.63	46.00	19.37	
	3.943	15.13	0.61	15.74	46.00	30.26	
	6.769	16.84	0.68	17.52	50.00	32.48	
	24.142	25.88	1.08	26.96	50.00	23.04	
Neutral	0.216	50.62	0.28	50.90	62.96	12.06	QP
	0.360	39.31	0.37	39.68	58.74	19.06	
	0.647	33.81	0.45	34.26	56.00	21.74	
	4.952	34.28	0.63	34.91	56.00	21.09	
	6.186	36.93	0.67	37.60	60.00	22.40	
	24.142	45.37	1.02	46.39	60.00	13.61	
	0.216	43.09	0.28	43.37	52.96	9.59	AV
	0.360	32.51	0.37	32.88	48.74	15.86	
	0.647	28.72	0.45	29.17	46.00	16.83	
	4.952	17.91	0.63	18.54	46.00	27.46	
	6.186	20.07	0.67	20.74	50.00	29.26	
	24.142	33.23	1.02	34.25	50.00	15.75	

TEST ENGINEER: HUGH HUANG

EUT : LCD Monitor Temperature : 22°C

Model No. : W2353TQV Humidity : 48%RH

Serial No. : 001NDRFJJ214 Date of Test : Feb 11, 2010

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	0.150	52.98	0.24	53.22	65.99	12.77	QP
	0.216	47.07	0.30	47.37	62.96	15.59	
	0.647	30.43	0.45	30.88	56.00	25.12	
	3.943	27.23	0.61	27.84	56.00	28.16	
	6.805	29.76	0.68	30.44	60.00	29.56	
	24.142	37.24	1.08	38.32	60.00	21.68	
	0.150	44.25	0.24	44.49	55.99	11.50	AV
	0.216	40.46	0.30	40.76	52.96	12.20	
	0.647	24.70	0.45	25.15	46.00	20.85	
	3.943	18.59	0.61	19.20	46.00	26.80	
	6.805	16.69	0.68	17.37	50.00	32.63	
	24.142	27.35	1.08	28.43	50.00	21.57	
Neutral	0.150	52.88	0.21	53.09	65.99	12.90	QP
	0.216	47.12	0.28	47.40	62.96	15.56	
	0.647	30.89	0.45	31.34	56.00	24.66	
	4.822	35.89	0.63	36.52	56.00	19.48	
	5.805	37.17	0.67	37.84	60.00	22.16	
	24.142	44.89	1.02	45.91	60.00	14.09	
	0.150	43.85	0.21	44.06	55.99	11.93	AV
	0.216	38.54	0.28	38.82	52.96	14.14	
	0.647	25.94	0.45	26.39	46.00	19.61	
	4.822	23.57	0.63	24.20	46.00	21.80	
	5.805	26.47	0.67	27.14	50.00	22.86	
	24.142	34.62	1.02	35.64	50.00	14.36	

TEST ENGINEER: HUGH HUANG

EUT : LCD Monitor Temperature : 22°C

Model No. : W2353TQV Humidity : 48%RH

Serial No. : 001NDRFJJ214 Date of Test : Feb 11, 2010

Test Mode : D-Sub 1680*1050@60Hz

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.150	54.11	0.24	54.35	65.99	11.64	QP
	0.216	48.11	0.30	48.41	62.96	14.55	
	0.647	27.82	0.45	28.27	56.00	27.73	
	3.943	29.12	0.61	29.73	56.00	26.27	
	6.878	27.84	0.68	28.52	60.00	31.48	
	24.142	36.60	1.08	37.68	60.00	22.32	
	0.150	45.30	0.24	45.54	55.99	10.45	AV
	0.216	39.64	0.30	39.94	52.96	13.02	
	0.647	29.05	0.45	29.50	46.00	16.50	
	3.943	15.95	0.61	16.56	46.00	29.44	
	6.878	17.71	0.68	18.39	50.00	31.61	
	24.142	27.34	1.08	28.42	50.00	21.58	
Neutral	0.150	53.96	0.21	54.17	65.99	11.82	QP
	0.216	48.04	0.28	48.32	62.96	14.64	
	0.647	32.20	0.45	32.65	56.00	23.35	
	4.822	34.70	0.63	35.33	56.00	20.67	
	5.805	37.01	0.67	37.68	60.00	22.32	
	24.142	43.54	1.02	44.56	60.00	15.44	
	0.150	43.07	0.21	43.28	55.99	12.71	AV
	0.216	41.98	0.28	42.26	52.96	10.70	
	0.647	25.98	0.45	26.43	46.00	19.57	
	4.822	24.60	0.63	25.23	46.00	20.77	
	5.805	27.95	0.67	28.62	50.00	21.38	
	24.142	34.17	1.02	35.19	50.00	14.81	

TEST ENGINEER: HUGH HUANG

EUT : LCD Monitor Temperature : 22°C

Model No. : W2353TQV Humidity : 48%RH

Serial No. : 001NDRFJJ214 Date of Test : Feb 11, 2010

Test Mode : D-Sub 1920*1080@60Hz

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.150	52.16	0.24	52.40	65.99	13.59	QP
	0.216	47.29	0.30	47.59	62.96	15.37	
	0.647	27.50	0.45	27.95	56.00	28.05	
	3.293	25.74	0.59	26.33	56.00	29.67	
	6.878	27.82	0.68	28.50	60.00	31.50	
	24.142	37.17	1.08	38.25	60.00	21.75	
	0.150	44.17	0.24	44.41	55.99	11.58	AV
	0.216	38.23	0.30	38.53	52.96	14.43	
	0.647	28.69	0.45	29.14	46.00	16.86	
	3.293	12.67	0.59	13.26	46.00	32.74	
	6.878	14.83	0.68	15.51	50.00	34.49	
	24.142	27.26	1.08	28.34	50.00	21.66	
Neutral	0.150	53.66	0.21	53.87	65.99	12.12	QP
	0.216	47.75	0.28	48.03	62.96	14.93	
	0.647	33.10	0.45	33.55	56.00	22.45	
	4.822	35.11	0.63	35.74	56.00	20.26	
	5.805	36.89	0.67	37.56	60.00	22.44	
	24.142	45.08	1.02	46.10	60.00	13.90	
	0.150	43.64	0.21	43.85	55.99	12.14	AV
	0.216	39.87	0.28	40.15	52.96	12.81	
	0.647	23.61	0.45	24.06	46.00	21.94	
	4.822	25.14	0.63	25.77	46.00	20.23	
	5.805	26.23	0.67	26.90	50.00	23.10	
	24.142	35.86	1.02	36.88	50.00	13.12	

TEST ENGINEER: HUGH HUANG

EUT : LCD Monitor Temperature : 22°C

Model No. : W2353TQV Humidity : 48%RH

Serial No. : 001NDRFJJ214 Date of Test : Feb 11, 2010

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	0.150	51.05	0.24	51.29	65.99	14.70	QP
	0.216	44.37	0.30	44.67	62.96	18.29	
	0.546	29.85	0.47	30.32	56.00	25.68	
	3.720	28.65	0.60	29.25	56.00	26.75	
	6.805	29.74	0.68	30.42	60.00	29.58	
	23.140	37.75	1.09	38.84	60.00	21.16	
	0.150	40.38	0.24	40.62	55.99	15.37	AV
	0.216	35.56	0.30	35.86	52.96	17.10	
	0.546	24.15	0.47	24.62	46.00	21.38	
	3.720	16.19	0.60	16.79	46.00	29.21	
	6.805	15.23	0.68	15.91	50.00	34.09	
	23.140	30.86	1.09	31.95	50.00	18.05	
Neutral	0.150	50.22	0.21	50.43	65.99	15.56	QP
	0.216	44.83	0.28	45.11	62.96	17.85	
	0.647	29.89	0.45	30.34	56.00	25.66	
	4.822	37.27	0.63	37.90	56.00	18.10	
	5.805	36.29	0.67	36.96	60.00	23.04	
	23.140	44.39	1.03	45.42	60.00	14.58	
	0.150	39.84	0.21	40.05	55.99	15.94	AV
	0.216	36.51	0.28	36.79	52.96	16.17	
	0.647	23.10	0.45	23.55	46.00	22.45	
	4.822	26.90	0.63	27.53	46.00	18.47	
	5.805	24.42	0.67	25.09	50.00	24.91	
	23.140	36.92	1.03	37.95	50.00	12.05	

TEST ENGINEER: HUGH HUANG

EUT : LCD Monitor Temperature : 22°C

Model No. : W2353TQV Humidity : 48%RH

Serial No. : 001NDRFJJ214 Date of Test : Feb 11, 2010

Test Mode : DVI 1280*1024@75Hz

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.150	52.59	0.24	52.83	65.99	13.16	QP
	0.216	46.45	0.30	46.75	62.96	16.21	
	0.647	30.10	0.45	30.55	56.00	25.45	
	3.943	29.34	0.61	29.95	56.00	26.05	
	6.805	29.29	0.68	29.97	60.00	30.03	
	24.142	37.79	1.08	38.87	60.00	21.13	
	0.150	41.06	0.24	41.30	55.99	14.69	AV
	0.216	37.41	0.30	37.71	52.96	15.25	
	0.647	25.25	0.45	25.70	46.00	20.30	
	3.943	15.53	0.61	16.14	46.00	29.86	
	6.805	16.88	0.68	17.56	50.00	32.44	
	24.142	28.53	1.08	29.61	50.00	20.39	
Neutral	0.150	51.77	0.21	51.98	65.99	14.01	QP
	0.216	46.88	0.28	47.16	62.96	15.80	
	0.647	30.77	0.45	31.22	56.00	24.78	
	4.822	34.28	0.63	34.91	56.00	21.09	
	5.805	35.89	0.67	36.56	60.00	23.44	
	24.142	44.80	1.02	45.82	60.00	14.18	
	0.150	40.94	0.21	41.15	55.99	14.84	AV
	0.216	40.46	0.28	40.74	52.96	12.22	
	0.647	25.85	0.45	26.30	46.00	19.70	
	4.822	23.59	0.63	24.22	46.00	21.78	
	5.805	27.34	0.67	28.01	50.00	21.99	
	24.142	35.49	1.02	36.51	50.00	13.49	

TEST ENGINEER: HUGH HUANG

EUT : LCD Monitor Temperature : 22°C

Model No. : W2353TQV Humidity : 48%RH

Serial No. : 001NDRFJJ214 Date of Test : Feb 11, 2010

Test Mode : DVI 1680*1050@60Hz

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.150	50.06	0.24	50.30	65.99	15.69	QP
	0.216	44.39	0.30	44.69	62.96	18.27	
	0.546	29.84	0.47	30.31	56.00	25.69	
	3.720	28.65	0.60	29.25	56.00	26.75	
	6.805	30.07	0.68	30.75	60.00	29.25	
	23.140	37.41	1.09	38.50	60.00	21.50	
	0.150	39.43	0.24	39.67	55.99	16.32	AV
	0.216	35.46	0.30	35.76	52.96	17.20	
	0.546	23.19	0.47	23.66	46.00	22.34	
	3.720	13.95	0.60	14.55	46.00	31.45	
	6.805	19.14	0.68	19.82	50.00	30.18	
	23.140	31.02	1.09	32.11	50.00	17.89	
Neutral	0.150	51.33	0.21	51.54	65.99	14.45	QP
	0.216	44.89	0.28	45.17	62.96	17.79	
	0.647	28.91	0.45	29.36	56.00	26.64	
	4.952	36.99	0.63	37.62	56.00	18.38	
	5.805	36.98	0.67	37.65	60.00	22.35	
	23.140	44.17	1.03	45.20	60.00	14.80	
	0.150	41.16	0.21	41.37	55.99	14.62	AV
	0.216	35.67	0.28	35.95	52.96	17.01	
	0.647	21.35	0.45	21.80	46.00	24.20	
	4.952	26.73	0.63	27.36	46.00	18.64	
	5.805	24.76	0.67	25.43	50.00	24.57	
	23.140	36.81	1.03	37.84	50.00	12.16	

TEST ENGINEER: HUGH HUANG

EUT : LCD Monitor Temperature : 22°C

Model No. : W2353TQV Humidity : 48%RH

Serial No. : 001NDRFJJ214 Date of Test : Feb 11, 2010

Test Mode : DVI 1920*1080@60Hz

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.160	48.07	0.24	48.31	65.47	17.16	QP
	0.360	33.27	0.39	33.66	58.74	25.08	
	0.647	26.18	0.45	26.63	56.00	29.37	
	3.943	29.29	0.61	29.90	56.00	26.10	
	6.805	28.65	0.68	29.33	60.00	30.67	
	24.142	36.42	1.08	37.50	60.00	22.50	
	0.160	32.40	0.24	32.64	55.47	22.83	AV
	0.360	24.00	0.39	24.39	48.74	24.35	
	0.647	26.46	0.45	26.91	46.00	19.09	
	3.943	15.30	0.61	15.91	46.00	30.09	
	6.805	18.64	0.68	19.32	50.00	30.68	
	24.142	27.70	1.08	28.78	50.00	21.22	
Neutral	0.150	51.21	0.21	51.42	65.99	14.57	QP
	0.216	44.91	0.28	45.19	62.96	17.77	
	0.647	30.87	0.45	31.32	56.00	24.68	
	4.952	37.09	0.63	37.72	56.00	18.28	
	5.805	37.53	0.67	38.20	60.00	21.80	
	23.140	44.43	1.03	45.46	60.00	14.54	
	0.150	39.17	0.21	39.38	55.99	16.61	AV
	0.216	36.02	0.28	36.30	52.96	16.66	
	0.647	26.26	0.45	26.71	46.00	19.29	
	4.952	23.94	0.63	24.57	46.00	21.43	
	5.805	23.33	0.67	24.00	50.00	26.00	
	23.140	36.26	1.03	37.29	50.00	12.71	

TEST ENGINEER: HUGH HUANG

4 RADIATED EMISSION TEST

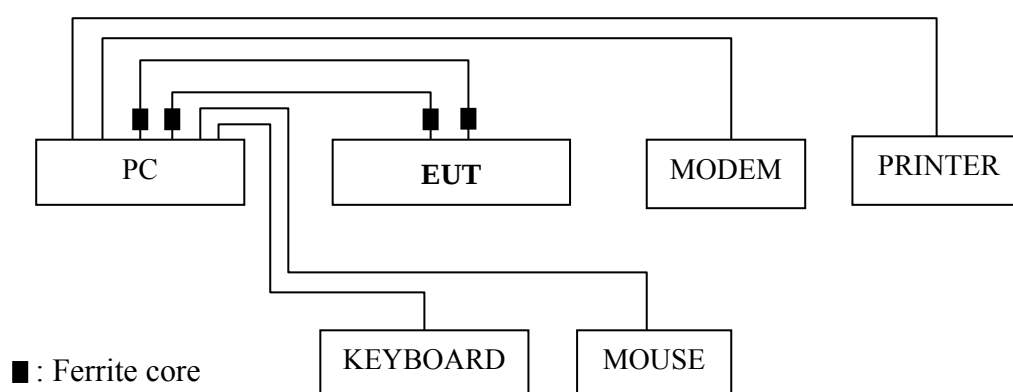
4.1 Test Equipment

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

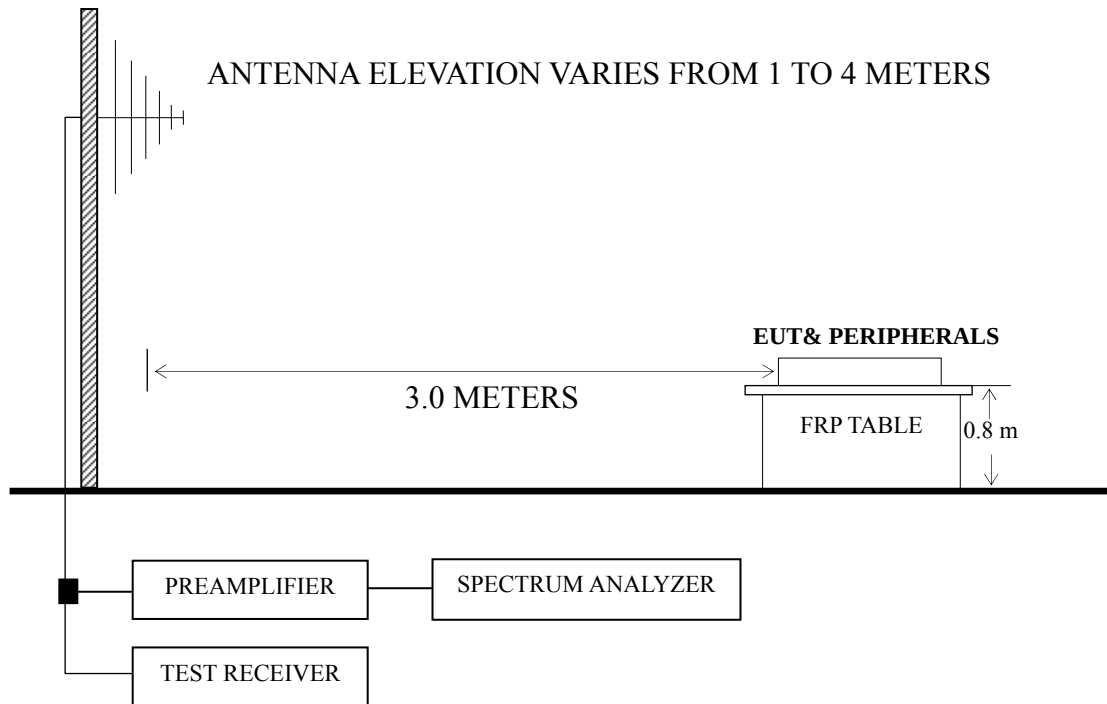
Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Test Receiver	R&S	ESVS10	844594/001	Mar 07, 2009	Mar 07, 2010
2.	Preamplifier	Agilent	8447D	2944A10548	Sep 19, 2009	Mar 19, 2010
3.	Preamplifier	HP	8449B	3008A00864	Apr 29, 2009	Apr 29, 2010
4.	Bi-log Antenna	TESEQ	CBL6112D	23193	May 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



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 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/DVI 1280*1024@75Hz, 1680*1050@60Hz, 1920*1080@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
W2353TQV	D-Sub 640*480@60Hz	P24
	D-Sub 1280*1024@75Hz	P25
	D-Sub 1680*1050@60Hz	P26
	D-Sub 1920*1080@60Hz	P27
	DVI 640*480@60Hz	P28
	DVI 1280*1024@75Hz	P29
	DVI 1680*1050@60Hz	P30
	DVI 1920*1080@60Hz	P31

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 – The worst case is for DVI 1680*1050@60Hz test mode. The worst emission at horizontal polarization was detected at 164.830 MHz with corrected signal level of 34.95 dB (μV/m) (limit is 43.50dB (μV/m)), when the antenna was 1.00 m height and the turntable was at 70°. The worst emission at vertical polarization was detected at 34.850 MHz with corrected signal level of 35.84 dB (μV/m) (limit is 40.00 dB (μV/m)), when the antenna was 1.00 m height and the turntable was at 330°.

EUT : LCD Monitor Temperature : 22°C

Model No. : W2353TQV Humidity : 60%RH

Serial No. : 001NDRFJJ214 Date of Test : Feb 11, 2010

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	14.47	12.17	1.22	27.86	43.50	15.64
	189.080	22.93	10.24	1.39	34.56	43.50	8.94
	302.570	25.10	13.97	1.73	40.80	46.00	5.20
	322.940	18.32	14.54	1.84	34.70	46.00	11.30
	658.560	5.84	19.49	2.60	27.93	46.00	18.07
	906.880	5.23	21.76	3.05	30.04	46.00	15.96
Vertical	32.910	16.52	17.95	0.62	35.09	40.00	4.91
	97.900	19.95	11.11	1.02	32.08	43.50	11.42
	122.150	17.73	12.91	1.16	31.80	43.50	11.70
	182.290	18.46	9.99	1.38	29.83	43.50	13.67
	297.720	25.64	13.86	1.76	41.26	46.00	4.74
	658.560	13.51	19.49	2.60	35.60	46.00	10.40

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : W2353TQV Humidity : 60%RH

Serial No. : 001NDRFJJ214 Date of Test : Feb 11, 2010

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	32.910	16.76	17.95	0.62	--	35.33	40.00	4.67	QP
	98.870	21.51	11.27	1.04	--	33.82	43.50	9.68	
	123.120	18.41	12.86	1.16	--	32.43	43.50	11.07	
	302.570	25.18	13.97	1.73	--	40.88	46.00	5.12	
	365.620	15.53	15.73	1.96	--	33.22	46.00	12.78	
	658.560	12.77	19.49	2.60	--	34.86	46.00	11.14	
	1083.000	46.78	22.98	3.91	34.11	39.56	74.00	34.44	PK
	1144.000	46.65	23.39	4.08	34.11	40.01	74.00	33.99	
	1256.000	47.20	24.14	4.31	34.12	41.53	74.00	32.47	
	1427.000	47.82	25.38	4.66	34.14	43.72	74.00	30.28	
	1598.000	42.93	26.40	4.99	34.16	40.16	74.00	33.84	
	1750.000	43.00	26.78	5.30	34.18	40.90	74.00	33.10	
Vertical	127.970	13.60	12.63	1.16	--	27.39	43.50	16.11	QP
	146.400	15.65	11.61	1.23	--	28.49	43.50	15.01	
	180.350	23.85	9.90	1.36	--	35.11	43.50	8.39	
	303.540	25.04	14.00	1.75	--	40.79	46.00	5.21	
	334.580	17.94	14.86	1.84	--	34.64	46.00	11.36	
	702.210	16.19	19.73	2.71	--	38.63	46.00	7.37	
	1099.000	46.05	23.08	3.96	34.11	38.98	74.00	35.02	PK
	1155.000	47.40	23.45	4.10	34.11	40.84	74.00	33.16	
	1383.000	44.34	25.09	4.57	34.14	39.86	74.00	34.14	
	1424.000	46.34	25.34	4.65	34.14	42.19	74.00	31.81	
	1629.000	46.07	26.47	5.05	34.16	43.43	74.00	30.57	
	1876.000	42.52	27.35	5.48	34.19	41.16	74.00	32.84	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : W2353TQV Humidity : 60%RH

Serial No. : 001NDRFJJ214 Date of Test : Feb 11, 2010

Test Mode : D-Sub 1680*1050@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	127.000	13.91	12.66	1.17	--	27.74	43.50	15.76	QP
	147.370	16.15	11.51	1.24	--	28.90	43.50	14.60	
	187.140	24.61	10.17	1.38	--	36.16	43.50	7.34	
	303.540	25.57	14.00	1.75	--	41.32	46.00	4.68	
	322.940	19.74	14.54	1.84	--	36.12	46.00	9.88	
	702.210	13.11	19.73	2.71	--	35.55	46.00	10.45	
	1083.000	49.78	22.98	3.91	34.11	42.56	74.00	31.44	PK
	1262.000	46.93	24.19	4.33	34.12	41.33	74.00	32.67	
	1427.000	46.82	25.38	4.66	34.14	42.72	74.00	31.28	
	1571.000	46.51	26.26	4.94	34.16	43.55	74.00	30.45	
	1664.000	44.58	26.56	5.12	34.17	42.09	74.00	31.91	
	1860.000	46.82	27.26	5.46	34.19	45.35	74.00	28.65	
Vertical	32.910	17.06	17.95	0.62	--	35.63	40.00	4.37	QP
	98.870	21.05	11.27	1.04	--	33.36	43.50	10.14	
	127.000	19.38	12.66	1.17	--	33.21	43.50	10.29	
	197.810	19.82	10.60	1.44	--	31.86	43.50	11.64	
	303.540	24.73	14.00	1.75	--	40.48	46.00	5.52	
	658.560	13.20	19.49	2.60	--	35.29	46.00	10.71	
	1126.000	48.46	23.27	4.03	34.11	41.65	74.00	32.35	PK
	1255.000	48.05	24.14	4.31	34.12	42.38	74.00	31.62	
	1383.000	45.34	25.09	4.57	34.14	40.86	74.00	33.14	
	1421.000	47.72	25.34	4.65	34.14	43.57	74.00	30.43	
	1629.000	46.07	26.47	5.05	34.16	43.43	74.00	30.57	
	1793.000	44.91	26.88	5.39	34.18	43.00	74.00	31.00	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : W2353TQV Humidity : 60%RH

Serial No. : 001NDRFJJ214 Date of Test : Feb 11, 2010

Test Mode : D-Sub 1920*1080@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	98.870	14.12	11.27	1.04	--	26.43	43.50	17.07	QP
	145.430	16.97	11.66	1.22	--	29.85	43.50	13.65	
	185.200	24.44	10.08	1.39	--	35.91	43.50	7.59	
	302.570	25.12	13.97	1.73	--	40.82	46.00	5.18	
	334.580	20.44	14.86	1.84	--	37.14	46.00	8.86	
	702.210	15.81	19.73	2.71	--	38.25	46.00	7.75	
	1072.000	47.48	22.92	3.88	34.11	40.17	74.00	33.83	PK
	1144.000	47.65	23.39	4.08	34.11	41.01	74.00	32.99	
	1262.000	48.93	24.19	4.33	34.12	43.33	74.00	30.67	
	1406.000	43.50	25.24	4.62	34.14	39.22	74.00	34.78	
	1498.000	44.50	25.80	4.80	34.15	40.95	74.00	33.05	
	1598.000	45.93	26.40	4.99	34.16	43.16	74.00	30.84	
Vertical	32.910	17.07	17.95	0.62	--	35.64	40.00	4.36	QP
	48.430	19.05	9.62	0.75	--	29.42	40.00	10.58	
	98.870	21.74	11.27	1.04	--	34.05	43.50	9.45	
	125.060	19.45	12.76	1.13	--	33.34	43.50	10.16	
	302.570	24.84	13.97	1.73	--	40.54	46.00	5.46	
	658.560	14.12	19.49	2.60	--	36.21	46.00	9.79	
	1126.000	48.46	23.27	4.03	34.11	41.65	74.00	32.35	PK
	1247.000	45.64	24.10	4.29	34.12	39.91	74.00	34.09	
	1421.000	47.72	25.34	4.65	34.14	43.57	74.00	30.43	
	1558.000	43.95	26.19	4.91	34.16	40.89	74.00	33.11	
	1629.000	46.07	26.47	5.05	34.16	43.43	74.00	30.57	
	1793.000	44.91	26.88	5.39	34.18	43.00	74.00	31.00	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : W2353TQV Humidity : 60%RH

Serial No. : 001NDRFJJ214 Date of Test : Feb 11, 2010

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	129.910	13.59	12.52	1.13	27.24	43.50	16.26
	144.460	15.29	11.76	1.21	28.26	43.50	15.24
	188.110	21.49	10.20	1.39	33.08	43.50	10.42
	302.570	24.07	13.97	1.73	39.77	46.00	6.23
	702.210	11.12	19.73	2.71	33.56	46.00	12.44
	833.160	16.68	21.01	2.92	40.61	46.00	5.39
Vertical	32.910	16.43	17.95	0.62	35.00	40.00	5.00
	95.960	20.27	10.70	1.01	31.98	43.50	11.52
	142.520	14.80	11.91	1.21	27.92	43.50	15.58
	173.560	16.13	10.09	1.32	27.54	43.50	15.96
	301.600	24.85	13.97	1.74	40.56	46.00	5.44
	364.650	11.33	15.73	1.97	29.03	46.00	16.97

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : W2353TQV Humidity : 60%RH

Serial No. : 001NDRFJJ214 Date of Test : Feb 11, 2010

Test Mode : DVI 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	142.520	15.90	11.91	1.21	--	29.02	43.50	14.48	QP
	181.320	19.03	9.93	1.36	--	30.32	43.50	13.18	
	242.430	16.48	12.64	1.58	--	30.70	46.00	15.30	
	301.600	23.74	13.97	1.74	--	39.45	46.00	6.55	
	694.450	14.68	19.67	2.64	--	36.99	46.00	9.01	
	833.160	9.31	21.01	2.92	--	33.24	46.00	12.76	
	1060.000	44.33	22.82	3.85	34.10	36.90	74.00	37.10	PK
	1106.000	41.11	23.15	3.98	34.11	34.13	74.00	39.87	
	1222.000	39.70	23.90	4.24	34.12	33.72	74.00	40.28	
	1339.000	40.50	24.78	4.49	34.13	35.64	74.00	38.36	
	1422.000	46.78	25.34	4.65	34.14	42.63	74.00	31.37	
	1543.000	42.57	26.07	4.88	34.16	39.36	74.00	34.64	
Vertical	34.850	18.06	16.97	0.67	--	35.70	40.00	4.30	QP
	48.430	19.52	9.62	0.75	--	29.89	40.00	10.11	
	95.960	21.23	10.70	1.01	--	32.94	43.50	10.56	
	303.540	25.31	14.00	1.75	--	41.06	46.00	4.94	
	555.740	15.17	18.65	2.39	--	36.21	46.00	9.79	
	833.160	13.98	21.01	2.92	--	37.91	46.00	8.09	
	1028.000	45.60	22.60	3.77	34.10	37.87	74.00	36.13	PK
	1177.000	44.09	23.59	4.15	34.12	37.71	74.00	36.29	
	1303.000	43.49	24.54	4.42	34.13	38.32	74.00	35.68	
	1555.000	42.58	26.15	4.91	34.16	39.48	74.00	34.52	
	1675.000	41.45	26.59	5.14	34.17	39.01	74.00	34.99	
	1830.000	41.80	27.08	5.43	34.18	40.13	74.00	33.87	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : W2353TQV Humidity : 60%RH

Serial No. : 001NDRFJJ214 Date of Test : Feb 11, 2010

Test Mode : DVI 1680*1050@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	164.830	23.29	10.35	1.31	--	34.95	43.50	8.55	QP
	255.040	15.61	13.01	1.61	--	30.23	46.00	15.77	
	279.290	20.58	13.52	1.68	--	35.78	46.00	10.22	
	303.540	21.18	14.00	1.75	--	36.93	46.00	9.07	
	614.910	7.34	19.27	2.49	--	29.10	46.00	16.90	
	833.160	8.48	21.01	2.92	--	32.41	46.00	13.59	
	1009.000	48.14	22.46	3.72	34.10	40.22	74.00	33.78	PK
	1098.000	47.71	23.08	3.95	34.11	40.63	74.00	33.37	
	1215.000	45.88	23.82	4.23	34.12	39.81	74.00	34.19	
	1571.000	46.51	26.26	4.94	34.16	43.55	74.00	30.45	
	1679.000	43.90	26.59	5.15	34.17	41.47	74.00	32.53	
	1794.000	42.90	26.88	5.39	34.18	40.99	74.00	33.01	
Vertical	34.850	18.20	16.97	0.67	--	35.84	40.00	4.16	QP
	96.930	19.63	10.87	1.02	--	31.52	43.50	11.98	
	128.940	16.99	12.58	1.14	--	30.71	43.50	12.79	
	301.600	24.90	13.97	1.74	--	40.61	46.00	5.39	
	555.740	16.02	18.65	2.39	--	37.06	46.00	8.94	
	833.160	12.65	21.01	2.92	--	36.58	46.00	9.42	
	1003.000	46.28	22.43	3.71	34.10	38.32	74.00	35.68	PK
	1180.000	44.45	23.59	4.16	34.12	38.08	74.00	35.92	
	1321.000	43.87	24.66	4.45	34.13	38.85	74.00	35.15	
	1504.000	41.43	25.84	4.81	34.15	37.93	74.00	36.07	
	1713.000	42.38	26.69	5.22	34.17	40.12	74.00	33.88	
	1834.000	44.20	27.08	5.43	34.18	42.53	74.00	31.47	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : W2353TQV Humidity : 60%RH

Serial No. : 001NDRFJJ214 Date of Test : Feb 11, 2010

Test Mode : DVI 1920*1080@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	142.520	16.02	11.91	1.21	--	29.14	43.50	14.36	QP
	188.110	21.79	10.20	1.39	--	33.38	43.50	10.12	
	302.570	24.68	13.97	1.73	--	40.38	46.00	5.62	
	365.620	10.37	15.73	1.96	--	28.06	46.00	17.94	
	555.740	10.04	18.65	2.39	--	31.08	46.00	14.92	
	833.160	16.52	21.01	2.92	--	40.45	46.00	5.55	
	1060.000	45.33	22.82	3.85	34.10	37.90	74.00	36.10	PK
	1135.000	46.46	23.33	4.05	34.11	39.73	74.00	34.27	
	1222.000	41.70	23.90	4.24	34.12	35.72	74.00	38.28	
	1406.000	43.50	25.24	4.62	34.14	39.22	74.00	34.78	
	1525.000	42.82	25.96	4.85	34.15	39.48	74.00	34.52	
	1679.000	42.90	26.59	5.15	34.17	40.47	74.00	33.53	
Vertical	35.820	18.29	16.45	0.67	--	35.41	40.00	4.59	QP
	96.930	20.24	10.87	1.02	--	32.13	43.50	11.37	
	301.600	25.42	13.97	1.74	--	41.13	46.00	4.87	
	555.740	15.16	18.65	2.39	--	36.20	46.00	9.80	
	833.160	12.16	21.01	2.92	--	36.09	46.00	9.91	
	971.870	12.40	22.22	3.16	--	37.78	54.00	16.22	
	1003.000	46.28	22.43	3.71	34.10	38.32	74.00	35.68	PK
	1105.000	45.42	23.15	3.98	34.11	38.44	74.00	35.56	
	1225.000	44.48	23.90	4.25	34.12	38.51	74.00	35.49	
	1329.000	44.10	24.74	4.47	34.13	39.18	74.00	34.82	
	1526.000	43.16	26.00	4.85	34.15	39.86	74.00	34.14	
	1655.000	43.85	26.54	5.10	34.17	41.32	74.00	32.68	

TEST ENGINEER: RAVEN JIN

5 DEVIATION TO TEST SPECIFICATIONS

None.

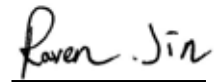
6 DEBUG DESCRIPTION

The following components are used during the countermeasure procedures:

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

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)