

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

LCD Monitor

Model No.: E2250TV

Serial No.: E2009121401

FCC ID : BEJE2250TV

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

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Report No. : ACI-F09133
Date of Test : Dec 24, 2009
Date of Report : Dec 30, 2009

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TEST REPORT FOR FCC CERTIFICATE

Applicant : LG Electronics U.S.A., Inc.
Manufacturer : LG Electronics Nanjing Display Co., Ltd.
EUT Description : LCD Monitor
(A) Model No. : E2250TV
(B) Serial No. : E2009121401
(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: E2250TV; S/N: E2009121401) which was tested in 3m anechoic chamber Dec 24, 2009 is technically compliance with the FCC official limits also.

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

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

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

Date of Test : Dec 24, 2009 Date of Report : Dec 30, 2009

Producer : Kathy Wang
KATHY WANG / Assistant

Review : Dio Yang
DIO YANG / Deputy Assistant Manager

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

Signatory : Sammy Chen
Authorized Signature EMC SAMMY CHEN / Assistant Manager

1 SUMMARY OF STANDARDS AND RESULTS

1.1 Description of Standards and Results

The EUT have been tested according to the applicable standards as referenced below:

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

2 GENERAL INFORMATION

2.1 Description of Equipment Under Test

Description : LCD Monitor

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

Model No. : E2250TV

Serial No. : E2009121401

Real Power : 24.00W for Adapter: LCAP07F
25.00W for Adapter: DSA-36W-12 1 24

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 : LM215WF4 (TL) (A1)

Adapter #1 : SMPS Adapter
Manufacturer : LIEN CHANG
M/N : LCAP07F
Input : 100-240V ~, 50/60Hz, 1.0A (1.0A) Max.
Output : 12V $\overline{\text{---}}$ 3.0A (3.0A)
Output Cable : Unshielded, Undetachable, 1.80m,
with one core

Adapter #2 : AC/DC Adapter
Manufacturer : DEE VAN ELECTRONICS
(SHENZHEN) CO., LTD.
M/N : DSA-36W-12 1 24
Input : 100-240V ~ 50/60Hz, 1.0A
Output : 12.0V $\overline{\text{---}}$ 2.0A Max.
Output Cable : Unshielded, Undetachable, 1.20m,
without core

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 : 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 : Sept. 17, 1998 file on
(Semi-Anechoic Chamber) Apr 29, 2009 Renewed
Federal Communications Commission
FCC Engineering Laboratory
7435 Oakland Mills Road
Columbia, MD 21046, USA

Name of Firm : Audix Technology (Shanghai) Co., Ltd.

Site Location : 3F 34Bldg 680 Guiping Rd,
Caohejing Hi-Tech Park,
Shanghai 200233, China

NVLAP Lab Code : 200371-0

2.4 Measurement Uncertainty

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

3 CONDUCTED EMISSION TEST

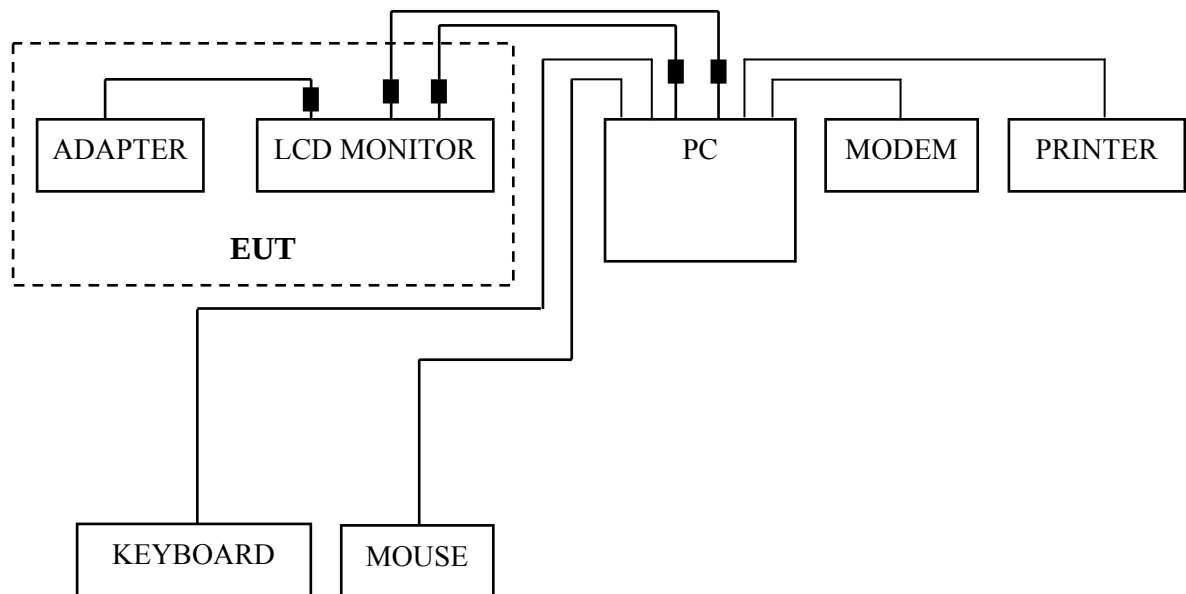
3.1.1 Test Equipment

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

Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Test Receiver	R&S	ESCI	100841	Oct 15, 2009	Oct 15, 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	--	--

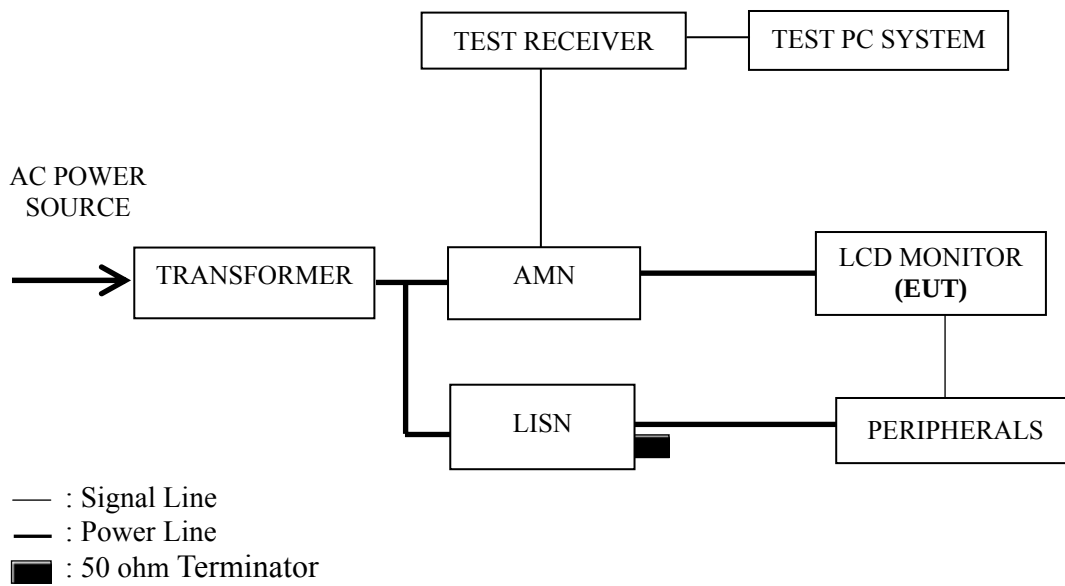
3.2 Block Diagram of Test Setup

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:

Adapter	Test Mode
LCAP07F	D-Sub 640*480@60Hz
	D-Sub 1024*768@60Hz
	D-Sub 1680*1050@60Hz
	D-Sub 1920*1080@60Hz
	DVI 640*480@60Hz
	DVI 1024*768@60Hz
	DVI 1680*1050@60Hz
	DVI 1920*1080@60Hz
DSA-36W-12 1 24	D-Sub 640*480@60Hz
	D-Sub 1024*768@60Hz
	D-Sub 1680*1050@60Hz
	D-Sub 1920*1080@60Hz
	DVI 640*480@60Hz
	DVI 1024*768@60Hz
	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.

Adapter	Test Mode	Data Page
LCAP07F	D-Sub 640*480@60Hz	P13
	D-Sub 1024*768@60Hz	P14
	D-Sub 1680*1050@60Hz	P15
	D-Sub 1920*1080@60Hz	P16
	DVI 640*480@60Hz	P17
	DVI 1024*768@60Hz	P18
	DVI 1680*1050@60Hz	P19
	DVI 1920*1080@60Hz	P20
DSA-36W-12 1 24	D-Sub 640*480@60Hz	P21
	D-Sub 1024*768@60Hz	P22
	D-Sub 1680*1050@60Hz	P23
	D-Sub 1920*1080@60Hz	P24
	DVI 640*480@60Hz	P25
	DVI 1024*768@60Hz	P26
	DVI 1680*1050@60Hz	P27
	DVI 1920*1080@60Hz	P28

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 DVI 1680*1050@60Hz test mode (Adapter: DSA-36W-12 1 24). The worst emission is detected at 0.176 MHz (Quasi-Peak Value) with corrected signal level of 51.98 dB (μV) (limit is 64.68 dB (μV)), when the Neutral the EUT is connected to AMN.

EUT : LCD Monitor Temperature : 22°C

Model No. : E2250TV Humidity : 48%RH

Serial No. : E2009121404 Date of Test : Dec 24, 2009

Test Mode : D-Sub 640*480@60Hz Adapter : LCAP07F

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.184	50.87	0.22	51.09	64.28	13.19	QP
	0.307	37.46	0.25	37.71	60.06	22.35	
	0.499	30.12	0.29	30.41	56.01	25.60	
	1.552	26.17	0.34	26.51	56.00	29.49	
	5.221	23.15	0.44	23.59	60.00	36.41	
	16.055	41.01	0.75	41.76	60.00	18.24	
	0.184	35.17	0.22	35.39	54.28	18.89	AV
	0.307	22.15	0.25	22.40	50.06	27.66	
	0.499	20.28	0.29	20.57	46.01	25.44	
	1.552	16.15	0.34	16.49	46.00	29.51	
	5.221	11.44	0.44	11.88	50.00	38.12	
	16.055	34.45	0.75	35.20	50.00	14.80	
Neutral	0.184	50.94	0.20	51.14	64.28	13.14	QP
	0.307	38.27	0.23	38.50	60.06	21.56	
	0.499	27.69	0.26	27.95	56.01	28.06	
	3.603	21.99	0.43	22.42	56.00	33.58	
	5.005	22.57	0.45	23.02	60.00	36.98	
	16.486	42.23	0.73	42.96	60.00	17.04	
	0.184	34.94	0.20	35.14	54.28	19.14	AV
	0.307	20.85	0.23	21.08	50.06	28.98	
	0.499	16.37	0.26	16.63	46.01	29.38	
	3.603	11.74	0.43	12.17	46.00	33.83	
	5.005	11.04	0.45	11.49	50.00	38.51	
	16.486	36.08	0.73	36.81	50.00	13.19	

TEST ENGINEER: HUGH HUANG

EUT : LCD Monitor Temperature : 22°C

Model No. : E2250TV Humidity : 48%RH

Serial No. : E2009121404 Date of Test : Dec 24, 2009

Test Mode : D-Sub 1024*768@60Hz Adapter : LCAP07F

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.184	49.39	0.22	49.61	64.28	14.67	QP
	0.307	36.40	0.25	36.65	60.06	23.41	
	0.521	30.84	0.29	31.13	56.00	24.87	
	3.603	23.89	0.42	24.31	56.00	31.69	
	5.112	23.68	0.44	24.12	60.00	35.88	
	16.398	40.35	0.76	41.11	60.00	18.89	
	0.184	35.01	0.22	35.23	54.28	19.05	AV
	0.307	21.61	0.25	21.86	50.06	28.20	
	0.521	19.87	0.29	20.16	46.00	25.84	
	3.603	14.59	0.42	15.01	46.00	30.99	
	5.112	10.96	0.44	11.40	50.00	38.60	
	16.398	33.94	0.76	34.70	50.00	15.30	
Neutral	0.184	49.78	0.20	49.98	64.28	14.30	QP
	0.307	37.25	0.23	37.48	60.06	22.58	
	0.499	27.64	0.26	27.90	56.01	28.11	
	3.642	22.18	0.43	22.61	56.00	33.39	
	5.005	22.38	0.45	22.83	60.00	37.17	
	16.226	42.16	0.72	42.88	60.00	17.12	
	0.184	36.39	0.20	36.59	54.28	17.69	AV
	0.307	20.98	0.23	21.21	50.06	28.85	
	0.499	16.61	0.26	16.87	46.01	29.14	
	3.642	12.11	0.43	12.54	46.00	33.46	
	5.005	10.40	0.45	10.85	50.00	39.15	
	16.226	35.84	0.72	36.56	50.00	13.44	

TEST ENGINEER: HUGH HUANG

EUT : LCD Monitor Temperature : 22°C

Model No. : E2250TV Humidity : 48%RH

Serial No. : E2009121404 Date of Test : Dec 24, 2009

Test Mode : D-Sub 1680*1050@60Hz Adapter : LCAP07F

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.183	49.79	0.22	50.01	64.33	14.32	QP
	0.307	37.06	0.25	37.31	60.06	22.75	
	0.499	30.14	0.29	30.43	56.01	25.58	
	1.680	24.82	0.34	25.16	56.00	30.84	
	5.058	24.14	0.44	24.58	60.00	35.42	
	16.839	39.06	0.78	39.84	60.00	20.16	
	0.183	36.16	0.22	36.38	54.33	17.95	AV
	0.307	23.22	0.25	23.47	50.06	26.59	
	0.499	20.29	0.29	20.58	46.01	25.43	
	1.680	12.80	0.34	13.14	46.00	32.86	
	5.058	11.30	0.44	11.74	50.00	38.26	
	16.839	33.03	0.78	33.81	50.00	16.19	
Neutral	0.184	50.69	0.20	50.89	64.28	13.39	QP
	0.307	38.03	0.23	38.26	60.06	21.80	
	0.499	27.62	0.26	27.88	56.01	28.13	
	1.628	26.49	0.34	26.83	56.00	29.17	
	5.166	22.59	0.45	23.04	60.00	36.96	
	15.552	40.88	0.69	41.57	60.00	18.43	
	0.184	37.26	0.20	37.46	54.28	16.82	AV
	0.307	23.30	0.23	23.53	50.06	26.53	
	0.499	16.63	0.26	16.89	46.01	29.12	
	1.628	17.04	0.34	17.38	46.00	28.62	
	5.166	9.46	0.45	9.91	50.00	40.09	
	15.552	34.40	0.69	35.09	50.00	14.91	

TEST ENGINEER: HUGH HUANG

EUT : LCD Monitor Temperature : 22°C

Model No. : E2250TV Humidity : 48%RH

Serial No. : E2009121404 Date of Test : Dec 24, 2009

Test Mode : D-Sub 1920*1080@60Hz Adapter : LCAP07F

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.183	49.58	0.22	49.80	64.33	14.53	QP
	0.310	37.47	0.25	37.72	59.97	22.25	
	0.521	30.65	0.29	30.94	56.00	25.06	
	3.509	23.33	0.41	23.74	56.00	32.26	
	5.112	22.96	0.44	23.40	60.00	36.60	
	15.885	40.65	0.74	41.39	60.00	18.61	
	0.183	34.58	0.22	34.80	54.33	19.53	AV
	0.310	26.59	0.25	26.84	49.97	23.13	
	0.521	20.09	0.29	20.38	46.00	25.62	
	3.509	13.07	0.41	13.48	46.00	32.52	
	5.112	11.05	0.44	11.49	50.00	38.51	
	15.885	34.24	0.74	34.98	50.00	15.02	
Neutral	0.184	49.97	0.20	50.17	64.28	14.11	QP
	0.307	37.49	0.23	37.72	60.06	22.34	
	0.499	27.63	0.26	27.89	56.01	28.12	
	3.642	22.38	0.43	22.81	56.00	33.19	
	5.112	21.73	0.45	22.18	60.00	37.82	
	16.055	42.12	0.71	42.83	60.00	17.17	
	0.184	34.78	0.20	34.98	54.28	19.30	AV
	0.307	19.72	0.23	19.95	50.06	30.11	
	0.499	17.29	0.26	17.55	46.01	28.46	
	3.642	11.56	0.43	11.99	46.00	34.01	
	5.112	9.70	0.45	10.15	50.00	39.85	
	16.055	35.87	0.71	36.58	50.00	13.42	

TEST ENGINEER: HUGH HUANG

EUT : LCD Monitor Temperature : 22°C

Model No. : E2250TV Humidity : 48%RH

Serial No. : E2009121404 Date of Test : Dec 24, 2009

Test Mode : DVI 640*480@60Hz Adapter : LCAP07F

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.183	47.34	0.22	47.56	64.33	16.77	QP
	0.307	35.32	0.25	35.57	60.06	24.49	
	0.516	29.76	0.29	30.05	56.00	25.95	
	3.642	23.83	0.42	24.25	56.00	31.75	
	5.166	22.89	0.44	23.33	60.00	36.67	
	16.055	40.50	0.75	41.25	60.00	18.75	
	0.183	31.02	0.22	31.24	54.33	23.09	AV
	0.307	21.66	0.25	21.91	50.06	28.15	
	0.516	20.78	0.29	21.07	46.00	24.93	
	3.642	13.54	0.42	13.96	46.00	32.04	
	5.166	10.60	0.44	11.04	50.00	38.96	
	16.055	34.61	0.75	35.36	50.00	14.64	
Neutral	0.183	47.72	0.20	47.92	64.33	16.41	QP
	0.307	35.99	0.23	36.22	60.06	23.84	
	0.579	25.31	0.26	25.57	56.00	30.43	
	1.878	25.72	0.36	26.08	56.00	29.92	
	5.005	22.76	0.45	23.21	60.00	36.79	
	15.552	41.33	0.69	42.02	60.00	17.98	
	0.183	33.11	0.20	33.31	54.33	21.02	AV
	0.307	19.03	0.23	19.26	50.06	30.80	
	0.579	15.84	0.26	16.10	46.00	29.90	
	1.878	13.62	0.36	13.98	46.00	32.02	
	5.005	10.62	0.45	11.07	50.00	38.93	
	15.552	35.03	0.69	35.72	50.00	14.28	

TEST ENGINEER: HUGH HUANG

EUT : LCD Monitor Temperature : 22°C

Model No. : E2250TV Humidity : 48%RH

Serial No. : E2009121404 Date of Test : Dec 24, 2009

Test Mode : DVI 1024*768@60Hz Adapter : LCAP07F

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.184	49.51	0.22	49.73	64.28	14.55	QP
	0.310	37.17	0.25	37.42	59.97	22.55	
	0.521	29.77	0.29	30.06	56.00	25.94	
	4.952	22.57	0.44	23.01	56.00	32.99	
	5.166	23.31	0.44	23.75	60.00	36.25	
	15.552	39.93	0.73	40.66	60.00	19.34	
	0.184	34.13	0.22	34.35	54.28	19.93	AV
	0.310	24.44	0.25	24.69	49.97	25.28	
	0.521	19.83	0.29	20.12	46.00	25.88	
	4.952	8.90	0.44	9.34	46.00	36.66	
	5.166	10.55	0.44	10.99	50.00	39.01	
	15.552	33.39	0.73	34.12	50.00	15.88	
Neutral	0.183	48.73	0.20	48.93	64.33	15.40	QP
	0.303	32.61	0.23	32.84	60.15	27.31	
	1.106	25.57	0.30	25.87	56.00	30.13	
	1.503	25.87	0.34	26.21	56.00	29.79	
	5.112	23.06	0.45	23.51	60.00	36.49	
	15.388	40.62	0.68	41.30	60.00	18.70	
	0.183	34.23	0.20	34.43	54.33	19.90	AV
	0.303	14.34	0.23	14.57	50.15	35.58	
	1.106	15.17	0.30	15.47	46.00	30.53	
	1.503	15.02	0.34	15.36	46.00	30.64	
	5.112	9.95	0.45	10.40	50.00	39.60	
	15.388	34.37	0.68	35.05	50.00	14.95	

TEST ENGINEER: HUGH HUANG

EUT : LCD Monitor Temperature : 22°C

Model No. : E2250TV Humidity : 48%RH

Serial No. : E2009121404 Date of Test : Dec 24, 2009

Test Mode : DVI 1680*1050@60Hz Adapter : LCAP07F

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.183	47.90	0.22	48.12	64.33	16.21	QP
	0.307	35.34	0.25	35.59	60.06	24.47	
	0.521	30.02	0.29	30.31	56.00	25.69	
	3.840	23.50	0.42	23.92	56.00	32.08	
	5.166	22.27	0.44	22.71	60.00	37.29	
	16.226	40.54	0.75	41.29	60.00	18.71	
	0.183	33.17	0.22	33.39	54.33	20.94	AV
	0.307	21.24	0.25	21.49	50.06	28.57	
	0.521	19.88	0.29	20.17	46.00	25.83	
	3.840	13.18	0.42	13.60	46.00	32.40	
	5.166	10.25	0.44	10.69	50.00	39.31	
	16.226	33.58	0.75	34.33	50.00	15.67	
Neutral	0.184	48.38	0.20	48.58	64.28	15.70	QP
	0.307	36.13	0.23	36.36	60.06	23.70	
	1.106	25.81	0.30	26.11	56.00	29.89	
	1.888	25.76	0.36	26.12	56.00	29.88	
	5.112	21.92	0.45	22.37	60.00	37.63	
	15.718	41.62	0.70	42.32	60.00	17.68	
	0.184	32.87	0.20	33.07	54.28	21.21	AV
	0.307	18.71	0.23	18.94	50.06	31.12	
	1.106	15.07	0.30	15.37	46.00	30.63	
	1.888	13.29	0.36	13.65	46.00	32.35	
	5.112	10.66	0.45	11.11	50.00	38.89	
	15.718	35.61	0.70	36.31	50.00	13.69	

TEST ENGINEER: HUGH HUANG

EUT : LCD Monitor Temperature : 22°C

Model No. : E2250TV Humidity : 48%RH

Serial No. : E2009121404 Date of Test : Dec 24, 2009

Test Mode : DVI 1920*1080@60Hz Adapter : LCAP07F

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.183	48.06	0.22	48.28	64.33	16.05	QP
	0.307	35.52	0.25	35.77	60.06	24.29	
	0.499	29.66	0.29	29.95	56.01	26.06	
	3.603	23.63	0.42	24.05	56.00	31.95	
	5.005	21.99	0.44	22.43	60.00	37.57	
	15.885	40.60	0.74	41.34	60.00	18.66	
	0.183	32.54	0.22	32.76	54.33	21.57	AV
	0.307	21.46	0.25	21.71	50.06	28.35	
	0.499	19.83	0.29	20.12	46.01	25.89	
	3.603	14.00	0.42	14.42	46.00	31.58	
	5.005	10.04	0.44	10.48	50.00	39.52	
	15.885	34.24	0.74	34.98	50.00	15.02	
Neutral	0.183	48.44	0.20	48.64	64.33	15.69	QP
	0.303	32.83	0.23	33.06	60.15	27.09	
	0.585	26.01	0.26	26.27	56.00	29.73	
	3.759	22.34	0.43	22.77	56.00	33.23	
	5.005	22.47	0.45	22.92	60.00	37.08	
	15.718	41.82	0.70	42.52	60.00	17.48	
	0.183	32.03	0.20	32.23	54.33	22.10	AV
	0.303	14.30	0.23	14.53	50.15	35.62	
	0.585	15.32	0.26	15.58	46.00	30.42	
	3.759	10.32	0.43	10.75	46.00	35.25	
	5.005	10.74	0.45	11.19	50.00	38.81	
	15.718	35.69	0.70	36.39	50.00	13.61	

TEST ENGINEER: HUGH HUANG

EUT : LCD Monitor Temperature : 22°C

Model No. : E2250TV Humidity : 48%RH

Serial No. : E2009121404 Date of Test : Dec 24, 2009

Test Mode : D-Sub 640*480@60Hz Adapter : DSA-36W-12 1
24

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.182	47.86	0.22	48.08	64.42	16.34	QP
	0.242	40.37	0.24	40.61	62.04	21.43	
	0.661	36.57	0.27	36.84	56.00	19.16	
	1.032	36.35	0.30	36.65	56.00	19.35	
	6.878	33.33	0.47	33.80	60.00	26.20	
	8.323	33.30	0.48	33.78	60.00	26.22	
	0.182	30.15	0.22	30.37	54.42	24.05	AV
	0.242	21.35	0.24	21.59	52.04	30.45	
	0.661	19.74	0.27	20.01	46.00	25.99	
	1.032	22.51	0.30	22.81	46.00	23.19	
	6.878	21.68	0.47	22.15	50.00	27.85	
	8.323	21.14	0.48	21.62	50.00	28.38	
Neutral	0.183	47.77	0.20	47.97	64.33	16.36	QP
	0.242	40.09	0.22	40.31	62.04	21.73	
	0.665	32.61	0.27	32.88	56.00	23.12	
	2.285	31.89	0.38	32.27	56.00	23.73	
	6.186	29.67	0.46	30.13	60.00	29.87	
	8.323	30.11	0.49	30.60	60.00	29.40	
	0.183	34.47	0.20	34.67	54.33	19.66	AV
	0.242	23.98	0.22	24.20	52.04	27.84	
	0.665	18.32	0.27	18.59	46.00	27.41	
	2.285	18.42	0.38	18.80	46.00	27.20	
	6.186	14.65	0.46	15.11	50.00	34.89	
	8.323	20.27	0.49	20.76	50.00	29.24	

TEST ENGINEER: HUGH HUANG

EUT : LCD Monitor Temperature : 22°C

Model No. : E2250TV Humidity : 48%RH

Serial No. : E2009121401 Date of Test : Dec 24, 2009

Test Mode : D-Sub 1024*768@60Hz Adapter : DSA-36W-12 1
24

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.176	48.96	0.22	49.18	64.68	15.50	QP
	0.300	35.68	0.25	35.93	60.24	24.31	
	0.499	34.79	0.29	35.08	56.01	20.93	
	2.110	31.36	0.36	31.72	56.00	24.28	
	9.011	24.35	0.48	24.83	60.00	35.17	
	10.905	24.48	0.53	25.01	60.00	34.99	
	0.176	33.62	0.22	33.84	54.68	20.84	AV
	0.300	23.59	0.25	23.84	50.24	26.40	
	0.499	22.02	0.29	22.31	46.01	23.70	
	2.110	20.37	0.36	20.73	46.00	25.27	
	9.011	17.69	0.48	18.17	50.00	31.83	
	10.905	18.14	0.53	18.67	50.00	31.33	
Neutral	0.178	49.63	0.20	49.83	64.59	14.76	QP
	0.303	37.26	0.23	37.49	60.15	22.66	
	0.505	36.95	0.26	37.21	56.00	18.79	
	1.535	33.71	0.34	34.05	56.00	21.95	
	8.501	27.76	0.50	28.26	60.00	31.74	
	10.564	27.06	0.53	27.59	60.00	32.41	
	0.178	36.06	0.20	36.26	54.59	18.33	AV
	0.303	25.38	0.23	25.61	50.15	24.54	
	0.505	23.72	0.26	23.98	46.00	22.02	
	1.535	21.65	0.34	21.99	46.00	24.01	
	8.501	20.91	0.50	21.41	50.00	28.59	
	10.564	20.68	0.53	21.21	50.00	28.79	

TEST ENGINEER: HUGH HUANG

EUT : LCD Monitor Temperature : 22°C

Model No. : E2250TV Humidity : 48%RH

Serial No. : E2009121401 Date of Test : Dec 24, 2009

Test Mode : D-Sub 1680*1050@60Hz Adapter : DSA-36W-12 1
24

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.178	49.65	0.22	49.87	64.59	14.72	QP
	0.300	35.97	0.25	36.22	60.24	24.02	
	0.499	34.79	0.29	35.08	56.01	20.93	
	1.908	31.04	0.36	31.40	56.00	24.60	
	8.637	24.32	0.48	24.80	60.00	35.20	
	11.021	24.35	0.54	24.89	60.00	35.11	
	0.178	28.73	0.22	28.95	54.59	25.64	AV
	0.300	22.52	0.25	22.77	50.24	27.47	
	0.499	21.68	0.29	21.97	46.01	24.04	
	1.908	19.67	0.36	20.03	46.00	25.97	
	8.637	17.62	0.48	18.10	50.00	31.90	
	11.021	18.22	0.54	18.76	50.00	31.24	
Neutral	0.178	49.75	0.20	49.95	64.59	14.64	QP
	0.300	37.51	0.23	37.74	60.24	22.50	
	0.529	37.06	0.26	37.32	56.00	18.68	
	1.535	33.88	0.34	34.22	56.00	21.78	
	8.501	27.49	0.50	27.99	60.00	32.01	
	10.676	27.13	0.53	27.66	60.00	32.34	
	0.178	28.79	0.20	28.99	54.59	25.60	AV
	0.300	25.46	0.23	25.69	50.24	24.55	
	0.529	23.91	0.26	24.17	46.00	21.83	
	1.535	22.03	0.34	22.37	46.00	23.63	
	8.501	20.15	0.50	20.65	50.00	29.35	
	10.676	20.05	0.53	20.58	50.00	29.42	

TEST ENGINEER: HUGH HUANG

EUT : LCD Monitor Temperature : 22°C

Model No. : E2250TV Humidity : 48%RH

Serial No. : E2009121401 Date of Test : Dec 24, 2009

Test Mode : D-Sub 1920*1080@60Hz Adapter : DSA-36W-12 1
24

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.176	49.41	0.22	49.63	64.68	15.05	QP
	0.300	36.06	0.25	36.31	60.24	23.93	
	0.505	34.62	0.29	34.91	56.00	21.09	
	2.133	30.73	0.37	31.10	56.00	24.90	
	9.861	22.96	0.49	23.45	60.00	36.55	
	12.516	20.16	0.61	20.77	60.00	39.23	
	0.176	30.93	0.22	31.15	54.68	23.53	AV
	0.300	23.16	0.25	23.41	50.24	26.83	
	0.505	21.23	0.29	21.52	46.00	24.48	
	2.133	19.64	0.37	20.01	46.00	25.99	
	9.861	16.28	0.49	16.77	50.00	33.23	
	12.516	13.36	0.61	13.97	50.00	36.03	
Neutral	0.178	50.10	0.20	50.30	64.59	14.29	QP
	0.300	37.75	0.23	37.98	60.24	22.26	
	0.524	36.34	0.26	36.60	56.00	19.40	
	1.535	33.85	0.34	34.19	56.00	21.81	
	6.352	27.39	0.46	27.85	60.00	32.15	
	10.905	27.24	0.54	27.78	60.00	32.22	
	0.178	32.23	0.20	32.43	54.59	22.16	AV
	0.300	25.73	0.23	25.96	50.24	24.28	
	0.524	21.46	0.26	21.72	46.00	24.28	
	1.535	22.31	0.34	22.65	46.00	23.35	
	6.352	19.30	0.46	19.76	50.00	30.24	
	10.905	20.75	0.54	21.29	50.00	28.71	

TEST ENGINEER: HUGH HUANG

EUT : LCD Monitor Temperature : 22°C

Model No. : E2250TV Humidity : 48%RH

Serial No. : E2009121401 Date of Test : Dec 24, 2009

Test Mode : DVI 640*480@60Hz Adapter : DSA-36W-12 1
24

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.174	50.56	0.22	50.78	64.77	13.99	QP
	0.300	37.97	0.25	38.22	60.24	22.02	
	0.499	34.24	0.29	34.53	56.01	21.48	
	2.133	30.49	0.37	30.86	56.00	25.14	
	9.451	23.83	0.49	24.32	60.00	35.68	
	11.198	24.28	0.55	24.83	60.00	35.17	
	0.174	33.73	0.22	33.95	54.77	20.82	AV
	0.300	24.60	0.25	24.85	50.24	25.39	
	0.499	20.84	0.29	21.13	46.01	24.88	
	2.133	19.55	0.37	19.92	46.00	26.08	
	9.451	17.37	0.49	17.86	50.00	32.14	
	11.198	18.20	0.55	18.75	50.00	31.25	
Neutral	0.174	50.57	0.20	50.77	64.77	14.00	QP
	0.300	38.93	0.23	39.16	60.24	21.08	
	0.529	36.56	0.26	36.82	56.00	19.18	
	1.568	33.37	0.34	33.71	56.00	22.29	
	8.822	27.57	0.50	28.07	60.00	31.93	
	20.924	30.42	0.83	31.25	60.00	28.75	
	0.174	28.06	0.20	28.26	54.77	26.51	AV
	0.300	26.24	0.23	26.47	50.24	23.77	
	0.529	23.40	0.26	23.66	46.00	22.34	
	1.568	20.00	0.34	20.34	46.00	25.66	
	8.822	20.68	0.50	21.18	50.00	28.82	
	20.924	26.19	0.83	27.02	50.00	22.98	

TEST ENGINEER: HUGH HUANG

EUT : LCD Monitor Temperature : 22°C

Model No. : E2250TV Humidity : 48%RH

Serial No. : E2009121401 Date of Test : Dec 24, 2009

Test Mode : DVI 1024*768@60Hz Adapter : DSA-36W-12 1
24

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.178	50.80	0.22	51.02	64.59	13.57	QP
	0.300	36.84	0.25	37.09	60.24	23.15	
	0.505	34.17	0.29	34.46	56.00	21.54	
	1.928	29.53	0.36	29.89	56.00	26.11	
	8.822	24.47	0.48	24.95	60.00	35.05	
	20.814	24.51	0.87	25.38	60.00	34.62	
	0.178	33.08	0.22	33.30	54.59	21.29	AV
	0.300	21.88	0.25	22.13	50.24	28.11	
	0.505	20.82	0.29	21.11	46.00	24.89	
	1.928	18.84	0.36	19.20	46.00	26.80	
	8.822	17.86	0.48	18.34	50.00	31.66	
	20.814	20.04	0.87	20.91	50.00	29.09	
Neutral	0.178	51.20	0.20	51.40	64.59	13.19	QP
	0.300	38.22	0.23	38.45	60.24	21.79	
	0.529	36.75	0.26	37.01	56.00	18.99	
	1.568	33.54	0.34	33.88	56.00	22.12	
	8.822	27.88	0.50	28.38	60.00	31.62	
	20.162	28.17	0.85	29.02	60.00	30.98	
	0.178	34.61	0.20	34.81	54.59	19.78	AV
	0.300	26.15	0.23	26.38	50.24	23.86	
	0.529	23.60	0.26	23.86	46.00	22.14	
	1.568	20.35	0.34	20.69	46.00	25.31	
	8.822	20.74	0.50	21.24	50.00	28.76	
	20.162	23.97	0.85	24.82	50.00	25.18	

TEST ENGINEER: HUGH HUANG

EUT : LCD Monitor Temperature : 22°C

Model No. : E2250TV Humidity : 48%RH

Serial No. : E2009121401 Date of Test : Dec 24, 2009

Test Mode : DVI 1680*1050@60Hz Adapter : DSA-36W-12 1
24

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.176	51.41	0.22	51.63	64.68	13.05	QP
	0.300	37.51	0.25	37.76	60.24	22.48	
	0.505	34.09	0.29	34.38	56.00	21.62	
	2.133	30.31	0.37	30.68	56.00	25.32	
	6.252	23.13	0.45	23.58	60.00	36.42	
	20.162	23.32	0.89	24.21	60.00	35.79	
	0.176	32.56	0.22	32.78	54.68	21.90	AV
	0.300	21.45	0.25	21.70	50.24	28.54	
	0.505	20.76	0.29	21.05	46.00	24.95	
	2.133	19.76	0.37	20.13	46.00	25.87	
	6.252	14.76	0.45	15.21	50.00	34.79	
	20.162	19.09	0.89	19.98	50.00	30.02	
Neutral	0.176	51.78	0.20	51.98	64.68	12.70	QP
	0.300	38.83	0.23	39.06	60.24	21.18	
	0.529	36.63	0.26	36.89	56.00	19.11	
	1.535	33.03	0.34	33.37	56.00	22.63	
	8.822	27.70	0.50	28.20	60.00	31.80	
	20.814	29.44	0.83	30.27	60.00	29.73	
	0.176	36.57	0.20	36.77	54.68	17.91	AV
	0.300	26.13	0.23	26.36	50.24	23.88	
	0.529	23.52	0.26	23.78	46.00	22.22	
	1.535	21.21	0.34	21.55	46.00	24.45	
	8.822	20.97	0.50	21.47	50.00	28.53	
	20.814	24.99	0.83	25.82	50.00	24.18	

TEST ENGINEER: HUGH HUANG

EUT : LCD Monitor Temperature : 22°C

Model No. : E2250TV Humidity : 48%RH

Serial No. : E2009121401 Date of Test : Dec 24, 2009

Test Mode : DVI 1920*1080@60Hz Adapter : DSA-36W-12 1
24

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.174	49.52	0.22	49.74	64.77	15.03	QP
	0.300	37.26	0.25	37.51	60.24	22.73	
	0.505	34.09	0.29	34.38	56.00	21.62	
	2.133	30.33	0.37	30.70	56.00	25.30	
	9.966	23.45	0.49	23.94	60.00	36.06	
	20.924	25.45	0.87	26.32	60.00	33.68	
	0.174	27.00	0.22	27.22	54.77	27.55	AV
	0.300	24.07	0.25	24.32	50.24	25.92	
	0.505	21.03	0.29	21.32	46.00	24.68	
	2.133	19.72	0.37	20.09	46.00	25.91	
	9.966	16.76	0.49	17.25	50.00	32.75	
	20.924	21.40	0.87	22.27	50.00	27.73	
Neutral	0.176	51.11	0.20	51.31	64.68	13.37	QP
	0.300	38.42	0.23	38.65	60.24	21.59	
	0.524	36.03	0.26	36.29	56.00	19.71	
	1.519	33.51	0.34	33.85	56.00	22.15	
	8.637	27.63	0.50	28.13	60.00	31.87	
	20.162	28.15	0.85	29.00	60.00	31.00	
	0.176	34.77	0.20	34.97	54.68	19.71	AV
	0.300	24.63	0.23	24.86	50.24	25.38	
	0.524	21.31	0.26	21.57	46.00	24.43	
	1.519	21.64	0.34	21.98	46.00	24.02	
	8.637	20.48	0.50	20.98	50.00	29.02	
	20.162	23.80	0.85	24.65	50.00	25.35	

TEST ENGINEER: HUGH HUANG

4 RADIATED EMISSION TEST

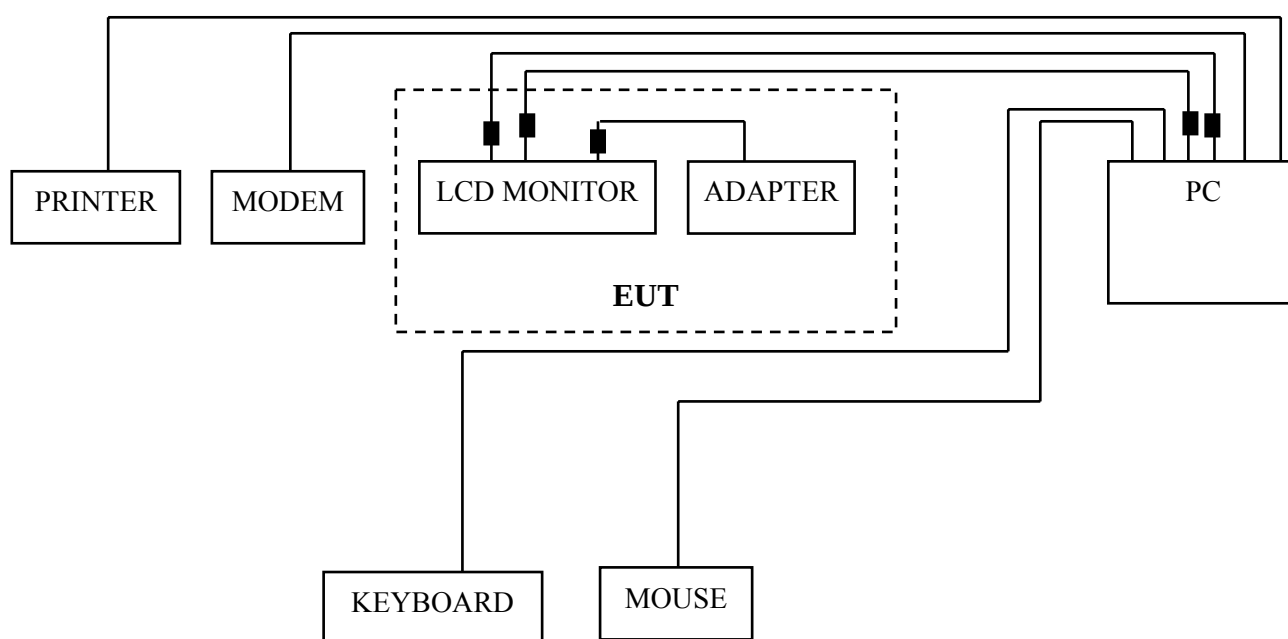
4.1 Test Equipment

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	--	--

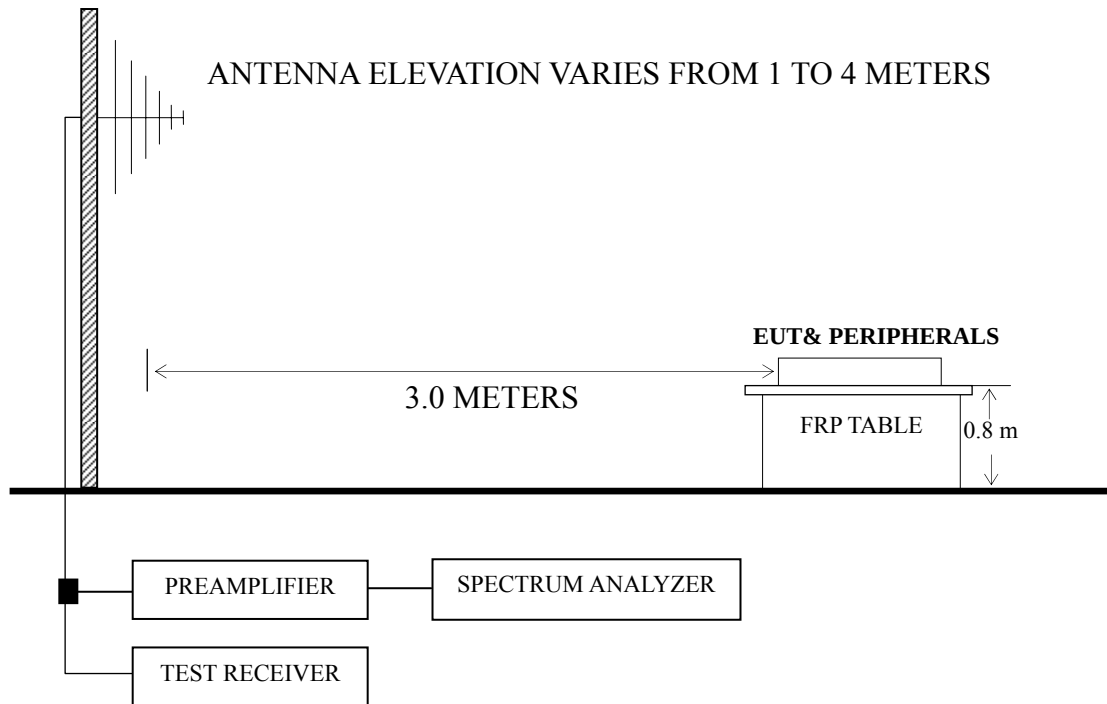
4.2 Block Diagram of Test Setup

4.2.1 EUT and Peripherals



■ : 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

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 1680*1050@60Hz and D-Sub/DVI 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.

Adapter	Test Mode	Data Page
LCAP07F	D-Sub 640*480@60Hz	P33
	D-Sub 1024*768@60Hz	P34
	D-Sub 1680*1050@60Hz	P35
	D-Sub 1920*1080@60Hz	P36
	DVI 640*480@60Hz	P37
	DVI 1024*768@60Hz	P38
	DVI 1680*1050@60Hz	P39
	DVI 1920*1080@60Hz	P40
DSA-36W-12 1 24	D-Sub 640*480@60Hz	P41
	D-Sub 1024*768@60Hz	P42
	D-Sub 1680*1050@60Hz	P43
	D-Sub 1920*1080@60Hz	P44
	DVI 640*480@60Hz	P45
	DVI 1024*768@60Hz	P46
	DVI 1680*1050@60Hz	P47
	DVI 1920*1080@60Hz	P48

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

NOTE 2 – Emission Level = Antenna Factor + Cable Loss + Meter Reading.($< 1\text{GHz}$)

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

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 1024*768@60Hz test mode (Adapter: DSA-36W-12 1 24). The worst emission at horizontal polarization was detected at 974.780 MHz with corrected signal level of 50.30 dB ($\mu\text{V/m}$) (limit is 54.00dB ($\mu\text{V/m}$)), when the antenna was 1.10 m height and the turntable was at 65° . The worst emission at vertical polarization was detected at 35.820MHz with corrected signal level of 36.75 dB ($\mu\text{V/m}$) (limit is 40.00 dB ($\mu\text{V/m}$)), when the antenna was 1.00 m height and the turntable was at 340° .

EUT : LCD Monitor Temperature : 22°C

Model No. : E2250TV Humidity : 60%RH

Serial No. : E2009121401 Date of Test : Dec 24, 2009

Test Mode : D-Sub 640*480@60Hz Adapter : LCAP07F

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	4.71	18.49	0.62	23.82	40.00	16.18
	81.410	25.40	8.02	0.98	34.40	40.00	5.60
	234.670	21.88	12.32	1.57	35.77	46.00	10.23
	409.270	13.33	16.62	2.07	32.02	46.00	13.98
	565.440	4.66	18.78	2.41	25.85	46.00	20.15
	967.990	4.78	22.19	3.16	30.13	54.00	23.87
Vertical	39.700	20.98	14.08	0.68	35.74	40.00	4.26
	81.410	20.53	8.02	0.98	29.53	40.00	10.47
	235.640	22.51	12.36	1.57	36.44	46.00	9.56
	457.770	16.90	17.35	2.15	36.40	46.00	9.60
	561.560	5.77	18.75	2.39	26.91	46.00	19.09
	859.350	11.92	21.31	2.98	36.21	46.00	9.79

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : E2250TV Humidity : 60%RH

Serial No. : E2009121401 Date of Test : Dec 24, 2009

Test Mode : D-Sub 1024*768@60Hz Adapter : LCAP07F

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	30.970	1.36	19.03	0.62	21.01	40.00	18.99
	98.870	8.61	11.27	1.04	20.92	43.50	22.58
	215.270	16.09	11.39	1.48	28.96	43.50	14.54
	457.770	14.28	17.35	2.15	33.78	46.00	12.22
	510.150	4.52	18.04	2.27	24.83	46.00	21.17
	702.210	10.61	19.73	2.71	33.05	46.00	12.95
Vertical	38.730	18.79	14.62	0.66	34.07	40.00	5.93
	99.840	17.53	11.42	1.05	30.00	43.50	13.50
	281.230	15.74	13.57	1.68	30.99	46.00	15.01
	409.270	18.37	16.62	2.07	37.06	46.00	8.94
	529.550	6.20	18.30	2.33	26.83	46.00	19.17
	859.350	12.41	21.31	2.98	36.70	46.00	9.30

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : E2250TV Humidity : 60%RH

Serial No. : E2009121401 Date of Test : Dec 24, 2009

Test Mode : D-Sub 1680*1050@60Hz Adapter : LCAP07F

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	30.000	0.02	19.60	0.62	--	20.24	40.00	19.76	QP
	98.870	8.79	11.27	1.04	--	21.10	43.50	22.40	
	217.210	15.83	11.48	1.49	--	28.80	46.00	17.20	
	427.700	13.67	16.89	2.08	--	32.64	46.00	13.36	
	514.030	4.84	18.06	2.31	--	25.21	46.00	20.79	
	829.280	8.23	20.98	2.93	--	32.14	46.00	13.86	
	1202.100	49.32	24.80	4.21	37.17	41.16	74.00	32.84	PK
	1302.310	49.31	25.18	4.39	36.94	41.94	74.00	32.06	
	1401.310	49.93	25.58	4.57	36.72	43.36	74.00	30.64	
	1600.320	46.24	26.36	4.92	36.34	41.18	74.00	32.82	
	1832.000	43.64	27.30	5.22	35.95	40.21	74.00	33.79	
	1894.000	44.62	27.54	5.25	35.86	41.55	74.00	32.45	
Vertical	38.730	17.23	14.62	0.66	--	32.51	40.00	7.49	QP
	87.230	19.19	8.96	0.99	--	29.14	40.00	10.86	
	281.230	15.19	13.57	1.68	--	30.44	46.00	15.56	
	457.770	17.05	17.35	2.15	--	36.55	46.00	9.45	
	543.130	4.35	18.49	2.35	--	25.19	46.00	20.81	
	859.350	10.37	21.31	2.98	--	34.66	46.00	11.34	
	1032.100	51.24	24.21	3.93	37.60	41.78	74.00	32.22	PK
	1211.310	50.35	24.80	4.21	37.15	42.21	74.00	31.79	
	1320.100	51.34	25.24	4.42	36.89	44.11	74.00	29.89	
	1508.340	48.30	26.00	4.74	36.51	42.53	74.00	31.47	
	1708.340	49.37	26.85	5.14	36.15	45.21	74.00	28.79	
	1899.400	49.25	27.54	5.25	35.85	46.19	74.00	27.81	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : E2250TV Humidity : 60%RH

Serial No. : E2009121401 Date of Test : Dec 24, 2009

Test Mode : D-Sub 1920*1080@60Hz Adapter : LCAP07F

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	31.940	2.57	18.49	0.62	--	21.68	40.00	18.32	QP
	71.710	15.63	6.69	0.90	--	23.22	40.00	16.78	
	222.060	16.34	11.75	1.50	--	29.59	46.00	16.41	
	288.020	13.61	13.71	1.71	--	29.03	46.00	16.97	
	421.880	11.02	16.79	2.08	--	29.89	46.00	16.11	
	702.210	10.35	19.73	2.71	--	32.79	46.00	13.21	
	1123.000	57.23	24.50	4.07	37.36	48.44	74.00	25.56	PK
	1352.000	51.34	25.38	4.48	36.83	44.37	74.00	29.63	
	1413.000	51.35	25.58	4.57	36.70	44.80	74.00	29.20	
	1516.000	51.24	26.00	4.74	36.50	45.48	74.00	28.52	
	1702.000	51.26	26.78	5.11	36.16	46.99	74.00	27.01	
	1821.000	45.63	27.23	5.21	35.97	42.10	74.00	31.90	
Vertical	31.940	13.01	18.49	0.62	--	32.12	40.00	7.88	QP
	71.710	23.61	6.69	0.90	--	31.20	40.00	8.80	
	206.540	19.00	10.97	1.48	--	31.45	43.50	12.05	
	281.230	16.85	13.57	1.68	--	32.10	46.00	13.90	
	457.770	17.78	17.35	2.15	--	37.28	46.00	8.72	
	856.440	9.77	21.28	2.98	--	34.03	46.00	11.97	
	1021.000	51.23	24.16	3.88	37.64	41.63	74.00	32.37	PK
	1178.000	50.33	24.68	4.16	37.22	41.95	74.00	32.05	
	1368.000	48.25	25.44	4.51	36.79	41.41	74.00	32.59	
	1508.500	51.36	26.00	4.74	36.51	45.59	74.00	28.41	
	1725.400	48.64	26.91	5.17	36.12	44.60	74.00	29.40	
	1901.400	48.35	27.54	5.25	35.84	45.30	74.00	28.70	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : E2250TV Humidity : 60%RH

Serial No. : E2009121401 Date of Test : Dec 24, 2009

Test Mode : DVI 640*480@60Hz Adapter : LCAP07F

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	38.730	6.62	14.62	0.66	21.90	40.00	18.10
	75.590	18.49	7.24	0.91	26.64	40.00	13.36
	213.330	20.86	11.30	1.48	33.64	43.50	9.86
	408.300	13.27	16.62	2.07	31.96	46.00	14.04
	579.990	3.02	18.97	2.42	24.41	46.00	21.59
	881.660	6.14	21.53	3.02	30.69	46.00	15.31
Vertical	38.730	21.34	14.62	0.66	36.62	40.00	3.38
	75.590	26.94	7.24	0.91	35.09	40.00	4.91
	218.180	20.34	11.52	1.50	33.36	46.00	12.64
	457.770	17.07	17.35	2.15	36.57	46.00	9.43
	579.990	7.42	18.97	2.42	28.81	46.00	17.19
	859.350	11.31	21.31	2.98	35.60	46.00	10.40

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : E2250TV Humidity : 60%RH

Serial No. : E2009121401 Date of Test : Dec 24, 2009

Test Mode : DVI 1024*768@60Hz Adapter : LCAP07F

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	35.820	6.09	16.45	0.67	23.21	40.00	16.79
	64.920	19.49	6.55	0.85	26.89	40.00	13.11
	324.880	23.53	14.58	1.85	39.96	46.00	6.04
	427.700	13.84	16.89	2.08	32.81	46.00	13.19
	543.130	6.33	18.49	2.35	27.17	46.00	18.83
	974.780	23.39	22.24	3.16	48.79	54.00	5.21
Vertical	35.820	18.08	16.45	0.67	35.20	40.00	4.80
	64.920	28.07	6.55	0.85	35.47	40.00	4.53
	324.880	25.37	14.58	1.85	41.80	46.00	4.20
	408.300	17.69	16.62	2.07	36.38	46.00	9.62
	584.840	8.66	19.03	2.44	30.13	46.00	15.87
	974.780	24.34	22.24	3.16	49.74	54.00	4.26

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : E2250TV Humidity : 60%RH

Serial No. : E2009121401 Date of Test : Dec 24, 2009

Test Mode : DVI 1680*1050@60Hz Adapter : LCAP07F

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	30.970	3.06	19.03	0.62	--	22.71	40.00	17.29	QP
	81.410	21.30	8.02	0.98	--	30.30	40.00	9.70	
	288.020	17.26	13.71	1.71	--	32.68	46.00	13.32	
	439.340	21.88	17.06	2.12	--	41.06	46.00	4.94	
	584.840	17.69	19.03	2.44	--	39.16	46.00	6.84	
	731.310	17.47	20.00	2.74	--	40.21	46.00	5.79	
	1020.000	51.24	24.16	3.88	37.64	41.64	74.00	32.36	PK
	1254.000	52.36	24.99	4.30	37.04	44.61	74.00	29.39	
	1431.000	52.35	25.65	4.60	36.66	45.94	74.00	28.06	
	1500.300	50.66	25.93	4.71	36.53	44.77	74.00	29.23	
	1648.000	50.31	26.57	5.02	36.25	45.65	74.00	28.35	
	1789.000	49.23	27.11	5.20	36.02	45.52	74.00	28.48	
Vertical	39.700	20.59	14.08	0.68	--	35.35	40.00	4.65	QP
	81.410	26.48	8.02	0.98	--	35.48	40.00	4.52	
	292.870	17.75	13.79	1.75	--	33.29	46.00	12.71	
	439.340	21.93	17.06	2.12	--	41.11	46.00	4.89	
	584.840	17.42	19.03	2.44	--	38.89	46.00	7.11	
	991.270	15.48	22.35	3.22	--	41.05	54.00	12.95	
	1022.000	51.32	24.16	3.88	37.64	41.72	74.00	32.28	PK
	1200.320	52.36	24.80	4.21	37.17	44.20	74.00	29.80	
	1403.500	51.36	25.58	4.57	36.72	44.79	74.00	29.21	
	1700.320	48.65	26.78	5.11	36.17	44.37	74.00	29.63	
	1840.000	49.31	27.30	5.22	35.93	45.90	74.00	28.10	
	1902.300	48.25	27.54	5.25	35.84	45.20	74.00	28.80	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : E2250TV Humidity : 60%RH

Serial No. : E2009121401 Date of Test : Dec 24, 2009

Test Mode : DVI 1920*1080@60Hz Adapter : LCAP07F

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	34.850	6.26	16.97	0.67	--	23.90	40.00	16.10	QP
	65.890	23.96	6.54	0.85	--	31.35	40.00	8.65	
	296.750	17.23	13.86	1.76	--	32.85	46.00	13.15	
	446.130	21.78	17.17	2.11	--	41.06	46.00	4.94	
	593.570	13.26	19.14	2.46	--	34.86	46.00	11.14	
	891.360	16.74	21.63	3.02	--	41.39	46.00	4.61	
	1098.000	54.34	24.44	4.04	37.43	45.39	74.00	28.61	PK
	1231.000	51.35	24.93	4.27	37.10	43.45	74.00	30.55	
	1402.100	50.34	25.58	4.57	36.72	43.77	74.00	30.23	
	1500.300	50.65	25.93	4.71	36.53	44.76	74.00	29.24	
	1632.000	50.40	26.50	4.99	36.28	45.61	74.00	28.39	
	1805.000	50.34	27.17	5.20	35.99	46.72	74.00	27.28	
Vertical	31.940	13.81	18.49	0.62	--	32.92	40.00	7.08	QP
	83.350	25.17	8.30	0.98	--	34.45	40.00	5.55	
	296.750	18.53	13.86	1.76	--	34.15	46.00	11.85	
	446.130	21.96	17.17	2.11	--	41.24	46.00	4.76	
	593.570	18.97	19.14	2.46	--	40.57	46.00	5.43	
	891.360	16.28	21.63	3.02	--	40.93	46.00	5.07	
	1012.000	51.36	24.16	3.88	37.67	41.73	74.00	32.27	PK
	1206.400	52.36	24.80	4.21	37.15	44.22	74.00	29.78	
	1302.500	50.34	25.18	4.39	36.94	42.97	74.00	31.03	
	1402.300	48.65	25.58	4.57	36.72	42.08	74.00	31.92	
	1503.200	49.68	26.00	4.74	36.52	43.90	74.00	30.10	
	1900.200	46.36	27.54	5.25	35.85	43.30	74.00	30.70	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : E2250TV Humidity : 60%RH

Serial No. : E2009121401 Date of Test : Dec 24, 2009

Test Mode : D-Sub 640*480@60Hz Adapter : DSA-36W-12 1 24

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	0.08	18.49	0.62	19.19	40.00	20.81
	93.050	5.35	10.09	1.01	16.45	43.50	27.05
	212.360	20.11	11.26	1.48	32.85	43.50	10.65
	427.700	13.71	16.89	2.08	32.68	46.00	13.32
	566.410	2.59	18.81	2.41	23.81	46.00	22.19
	799.210	6.70	20.70	2.88	30.28	46.00	15.72
Vertical	38.730	17.07	14.62	0.66	32.35	40.00	7.65
	94.020	17.09	10.27	1.01	28.37	43.50	15.13
	218.180	20.75	11.52	1.50	33.77	46.00	12.23
	408.300	15.17	16.62	2.07	33.86	46.00	12.14
	570.290	3.70	18.84	2.42	24.96	46.00	21.04
	859.350	8.22	21.31	2.98	32.51	46.00	13.49

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : E2250TV Humidity : 60%RH

Serial No. : E2009121401 Date of Test : Dec 24, 2009

Test Mode : D-Sub 1024*768@60Hz Adapter : DSA-36W-12 1 24

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	1.30	18.49	0.62	20.41	40.00	19.59
	87.230	12.62	8.96	0.99	22.57	40.00	17.43
	278.320	14.28	13.50	1.68	29.46	46.00	16.54
	421.880	13.82	16.79	2.08	32.69	46.00	13.31
	569.320	3.29	18.84	2.42	24.55	46.00	21.45
	702.210	10.73	19.73	2.71	33.17	46.00	12.83
Vertical	32.910	14.17	17.95	0.62	32.74	40.00	7.26
	87.230	21.89	8.96	0.99	31.84	40.00	8.16
	217.210	18.94	11.48	1.49	31.91	46.00	14.09
	408.300	18.67	16.62	2.07	37.36	46.00	8.64
	542.160	6.04	18.45	2.35	26.84	46.00	19.16
	856.440	10.93	21.28	2.98	35.19	46.00	10.81

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : E2250TV Humidity : 60%RH

Serial No. : E2009121401 Date of Test : Dec 24, 2009

Test Mode : D-Sub 1680*1050@60Hz Adapter : DSA-36W-12 1 24

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	30.970	0.50	19.03	0.62	--	20.15	40.00	19.85	QP
	71.710	17.02	6.69	0.90	--	24.61	40.00	15.39	
	215.270	16.90	11.39	1.48	--	29.77	43.50	13.73	
	442.250	13.92	17.11	2.12	--	33.15	46.00	12.85	
	566.410	3.37	18.81	2.41	--	24.59	46.00	21.41	
	999.030	8.09	22.40	3.21	--	33.70	54.00	20.30	
	1063.000	53.93	24.33	3.99	37.53	44.72	74.00	29.28	PK
	1215.000	52.58	24.86	4.24	37.14	44.54	74.00	29.46	
	1327.000	52.94	25.24	4.42	36.89	45.71	74.00	28.29	
	1532.000	50.93	26.07	4.78	36.47	45.31	74.00	28.69	
	1750.000	50.51	26.98	5.18	36.08	46.59	74.00	27.41	
	1932.000	48.84	27.66	5.27	35.80	45.97	74.00	28.03	
Vertical	33.880	15.46	17.44	0.64	--	33.54	40.00	6.46	QP
	71.710	25.18	6.69	0.90	--	32.77	40.00	7.23	
	227.880	17.31	12.02	1.55	--	30.88	46.00	15.12	
	408.300	17.57	16.62	2.07	--	36.26	46.00	9.74	
	540.220	5.49	18.42	2.35	--	26.26	46.00	19.74	
	859.350	11.92	21.31	2.98	--	36.21	46.00	9.79	
	1044.000	54.76	24.27	3.96	37.58	45.41	74.00	28.59	PK
	1208.000	50.45	24.80	4.21	37.15	42.31	74.00	31.69	
	1402.000	46.46	25.58	4.57	36.72	39.89	74.00	34.11	
	1486.000	48.45	25.93	4.71	36.56	42.53	74.00	31.47	
	1698.000	45.98	26.78	5.11	36.17	41.70	74.00	32.30	
	1823.000	48.58	27.23	5.21	35.97	45.05	74.00	28.95	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : E2250TV Humidity : 60%RH

Serial No. : E2009121401 Date of Test : Dec 24, 2009

Test Mode : D-Sub 1920*1080@60Hz Adapter : DSA-36W-12 1 24

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	30.000	-0.03	19.60	0.62	--	20.19	40.00	19.81	QP
	71.710	17.96	6.69	0.90	--	25.55	40.00	14.45	
	144.460	17.61	11.76	1.21	--	30.58	43.50	12.92	
	214.300	16.31	11.35	1.48	--	29.14	43.50	14.36	
	408.300	13.39	16.62	2.07	--	32.08	46.00	13.92	
	702.210	10.02	19.73	2.71	--	32.46	46.00	13.54	
	1082.000	55.66	24.38	4.02	37.47	46.59	74.00	27.41	PK
	1215.000	53.01	24.86	4.24	37.14	44.97	74.00	29.03	
	1384.000	52.25	25.51	4.54	36.76	45.54	74.00	28.46	
	1511.000	52.80	26.00	4.74	36.51	47.03	74.00	26.97	
	1620.000	49.53	26.43	4.96	36.31	44.61	74.00	29.39	
	1724.000	49.86	26.91	5.17	36.12	45.82	74.00	28.18	
Vertical	31.940	14.87	18.49	0.62	--	33.98	40.00	6.02	QP
	71.710	25.26	6.69	0.90	--	32.85	40.00	7.15	
	281.230	17.20	13.57	1.68	--	32.45	46.00	13.55	
	457.770	17.07	17.35	2.15	--	36.57	46.00	9.43	
	539.250	5.84	18.42	2.35	--	26.61	46.00	19.39	
	890.390	11.92	21.60	3.03	--	36.55	46.00	9.45	
	1038.000	54.44	24.21	3.93	37.60	44.98	74.00	29.02	PK
	1178.000	51.49	24.68	4.16	37.22	43.11	74.00	30.89	
	1326.000	49.39	25.24	4.42	36.89	42.16	74.00	31.84	
	1468.000	50.36	25.86	4.68	36.59	44.31	74.00	29.69	
	1611.000	46.60	26.43	4.96	36.32	41.67	74.00	32.33	
	1746.000	48.59	26.98	5.18	36.09	44.66	74.00	29.34	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : E2250TV Humidity : 60%RH

Serial No. : E2009121401 Date of Test : Dec 24, 2009

Test Mode : DVI 640*480@60Hz Adapter : DSA-36W-12 1 24

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	38.730	18.07	14.62	0.66	33.35	40.00	6.65
	75.590	25.30	7.24	0.91	33.45	40.00	6.55
	218.180	19.61	11.52	1.50	32.63	46.00	13.37
	457.770	15.35	17.35	2.15	34.85	46.00	11.15
	579.990	6.20	18.97	2.42	27.59	46.00	18.41
	881.660	9.46	21.53	3.02	34.01	46.00	11.99
Vertical	30.970	0.34	19.03	0.62	19.99	40.00	20.01
	75.590	19.34	7.24	0.91	27.49	40.00	12.51
	217.210	18.84	11.48	1.49	31.81	46.00	14.19
	408.300	14.38	16.62	2.07	33.07	46.00	12.93
	576.110	1.97	18.94	2.42	23.33	46.00	22.67
	881.660	7.57	21.53	3.02	32.12	46.00	13.88

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : E2250TV Humidity : 60%RH

Serial No. : E2009121401 Date of Test : Dec 24, 2009

Test Mode : DVI 1024*768@60Hz Adapter : DSA-36W-12 1 24

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	35.820	3.16	16.45	0.67	20.28	40.00	19.72
	64.920	17.49	6.55	0.85	24.89	40.00	15.11
	324.880	23.43	14.58	1.85	39.86	46.00	6.14
	442.250	14.36	17.11	2.12	33.59	46.00	12.41
	519.850	5.17	18.15	2.31	25.63	46.00	20.37
	974.780	24.90	22.24	3.16	50.30	54.00	3.70
Vertical	35.820	19.63	16.45	0.67	36.75	40.00	3.25
	64.920	28.87	6.55	0.85	36.27	40.00	3.73
	194.910	27.30	10.51	1.39	39.20	43.50	4.30
	324.880	24.51	14.58	1.85	40.94	46.00	5.06
	457.770	15.20	17.35	2.15	34.70	46.00	11.30
	974.780	24.78	22.24	3.16	50.18	54.00	3.82

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : E2250TV Humidity : 60%RH

Serial No. : E2009121401 Date of Test : Dec 24, 2009

Test Mode : DVI 1680*1050@60Hz Adapter : DSA-36W-12 1 24

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	35.820	4.92	16.45	0.67	--	22.04	40.00	17.96	QP
	64.920	12.57	6.55	0.85	--	19.97	40.00	20.03	
	324.880	25.17	14.58	1.85	--	41.60	46.00	4.40	
	408.300	12.82	16.62	2.07	--	31.51	46.00	14.49	
	519.850	3.56	18.15	2.31	--	24.02	46.00	21.98	
	974.780	21.70	22.24	3.16	--	47.10	54.00	6.90	
	1013.000	55.82	24.16	3.88	37.67	46.19	74.00	27.81	PK
	1180.000	52.52	24.74	4.18	37.22	44.22	74.00	29.78	
	1317.000	51.93	25.24	4.42	36.90	44.69	74.00	29.31	
	1468.000	50.56	25.86	4.68	36.59	44.51	74.00	29.49	
	1549.000	50.75	26.15	4.81	36.44	45.27	74.00	28.73	
	1697.000	49.65	26.78	5.11	36.17	45.37	74.00	28.63	
Vertical	35.820	18.85	16.45	0.67	--	35.97	40.00	4.03	QP
	64.920	26.00	6.55	0.85	--	33.40	40.00	6.60	
	194.910	27.90	10.51	1.39	--	39.80	43.50	3.70	
	324.880	23.28	14.58	1.85	--	39.71	46.00	6.29	
	457.770	17.44	17.35	2.15	--	36.94	46.00	9.06	
	974.780	24.98	22.24	3.16	--	50.38	54.00	3.62	
	1044.000	54.64	24.27	3.96	37.58	45.29	74.00	28.71	PK
	1166.000	53.65	24.68	4.16	37.26	45.23	74.00	28.77	
	1396.000	50.10	25.51	4.54	36.74	43.41	74.00	30.59	
	1636.000	47.94	26.50	4.99	36.28	43.15	74.00	30.85	
	1770.000	47.05	27.04	5.19	36.05	43.23	74.00	30.77	
	1881.000	46.30	27.48	5.24	35.87	43.15	74.00	30.85	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : E2250TV Humidity : 60%RH

Serial No. : E2009121401 Date of Test : Dec 24, 2009

Test Mode : DVI 1920*1080@60Hz Adapter : DSA-36W-12 1 24

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	30.970	0.54	19.03	0.62	--	20.19	40.00	19.81	QP
	80.440	20.88	7.85	0.97	--	29.70	40.00	10.30	
	296.750	16.63	13.86	1.76	--	32.25	46.00	13.75	
	446.130	23.12	17.17	2.11	--	42.40	46.00	3.60	
	593.570	15.06	19.14	2.46	--	36.66	46.00	9.34	
	742.950	18.87	20.13	2.78	--	41.78	46.00	4.22	
	1082.000	53.51	24.38	4.02	37.47	44.44	74.00	29.56	PK
	1215.000	52.22	24.86	4.24	37.14	44.18	74.00	29.82	
	1316.000	51.51	25.24	4.42	36.90	44.27	74.00	29.73	
	1394.000	52.18	25.51	4.54	36.74	45.49	74.00	28.51	
	1549.000	49.91	26.15	4.81	36.44	44.43	74.00	29.57	
	1740.000	49.33	26.98	5.18	36.10	45.39	74.00	28.61	
Vertical	39.700	20.51	14.08	0.68	--	35.27	40.00	4.73	QP
	65.890	27.87	6.54	0.85	--	35.26	40.00	4.74	
	296.750	22.36	13.86	1.76	--	37.98	46.00	8.02	
	446.130	20.07	17.17	2.11	--	39.35	46.00	6.65	
	593.570	19.48	19.14	2.46	--	41.08	46.00	4.92	
	891.360	16.69	21.63	3.02	--	41.34	46.00	4.66	
	1093.000	52.18	24.38	4.02	37.44	43.14	74.00	30.86	PK
	1205.000	53.46	24.80	4.21	37.16	45.31	74.00	28.69	
	1336.000	50.34	25.31	4.45	36.86	43.24	74.00	30.76	
	1412.000	49.05	25.58	4.57	36.70	42.50	74.00	31.50	
	1633.000	48.99	26.50	4.99	36.28	44.20	74.00	29.80	
	1796.000	47.92	27.17	5.20	36.01	44.28	74.00	29.72	

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
Adhesive Tape	7250CP0005J	50*60	DAEHUNG SUBSIDIARY MATERIALS.	See Internal Photo Figure 10
Gasket	MCQ57884403 2EA	102*9*1T	DAEHUNG SUBSIDIARY MATERIALS.	See Internal Photo Figure 12-1, 12-3
Gasket	3940TKK041S 2EA	114*10*1T	DAEHUNG SUBSIDIARY MATERIALS.	See Internal Photo Figure 12-2

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)