

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

LCD Monitor

Model No.: E2351TZ

Serial No.: 112NDMT1J187

FCC ID : BEJE2351TZ

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

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Report No. : ACI-F11185
Date of Test : Dec 22, 2011
Date of Report : Dec 30, 2011

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TEST REPORT FOR FCC CERTIFICATE

Applicant : LG Electronics U.S.A., Inc.
Manufacturer : LG Electronics Nanjing Display Co., Ltd.
EUT Description : LCD Monitor
(A) Model No. : E2351TZ
(B) Serial No. : 112NDMT1J187
(C) Power Supply : 120V/60Hz

Test Procedure Used:

*FCC RULES AND REGULATIONS PART 15 SUBPART B CLASS B OCTOBER 2010
AND ANSI C63.4-2003*

The device described above is tested by Audix Technology (Shanghai) Co., Ltd. to determine the maximum emission levels emanating from the device. The maximum emission levels are compared to the FCC Part 15 Subpart B (Class B) and ICES-003, Issue 4 February 2004 (CISPR 22:2002) limits both radiated and conducted emissions.

The test results are contained in this test report and Audix Technology (Shanghai) Co., Ltd. is assumed full responsibility for the accuracy and completeness of these measurements. This report shows that the EUT (M/N: E2351TZ; S/N: 112NDMT1J187) which was tested in 3m anechoic chamber Dec 22, 2011 is technically compliance with the FCC official limits also.

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

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

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

Date of Test : Dec 22, 2011 Date of Report : Dec 30, 2011

Producer : Yenny Yu.
YENNY YU Assistant

Review : Byron Wu
BYRON WU / Supervisor

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

Signatory : Byron Kwo
Authorized Signature EMC BYRON KWO / Senior Manager

1 SUMMARY OF STANDARDS AND RESULTS

1.1 Description of Standards and Results

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

Description of Test Item	Standard	Limits	Results
EMISSION			
Conducted Disturbance at the Mains Terminal	FCC RULES AND REGULATIONS PART 15 SUBPART B OCTOBER 2010 AND ANSI C63.4-2003	15.107(a) Class B	Pass
Radiated Disturbance	FCC RULES AND REGULATIONS PART 15 SUBPART B OCTOBER 2010 AND ANSI C63.4-2003	15.109(a) Class B	Pass

2 GENERAL INFORMATION

2.1 Description of Equipment Under Test

Description	: LCD Monitor
Type of EUT	: ☒ Production ☐ Pre-product ☐ Pro-type
Model No.	: E2351TZ
Serial No.	: 112NDMT1J187
Real Power	: 29.30W (Adapter #1) 29.60W (Adapter #2) 29.50W (Adapter #3) 29.20W (Adapter #4)
AC Adapter #1	: Manufacturer : LIEN CHANG Model Number : LCAP21A Input : 100-240V~, 50-60Hz 1.1A Output : 19V $\overline{\text{---}}$ 1.7A Output Cable : Unshielded, Undetachable, 1.8m, with one core
AC Adapter #2	: Manufacturer : LIEN CHANG Model Number : LCAP26A-* (* can be A, E, I, B, LCAP26A-A was selected as the test model.) Input : 100-240V~, 50-60Hz 1.1A Output : 19V $\overline{\text{---}}$ 1.7A Output Cable : Unshielded, Undetachable, 1.8m
AC Adapter #3	: Manufacturer : HONOR Model Number : ADS-40SG-19-3 19032G Input : 100-240V~, 50-60Hz 1.0A Output : 19V $\overline{\text{---}}$ 1.7A Output Cable : Unshielded, Undetachable, 1.8m
AC Adapter #4	: Manufacturer : HONOR Model Number : ADS-40FSG-19 19032G***-1 (*** can be PG, PBR, PI, PCU, ADS-40FSG-19 19032GPCU-1 was selected as the test model.) Input : 100-240V~, 50-60Hz 1.0A Output : 19V $\overline{\text{---}}$ 1.7A Output Cable : Unshielded, Undetachable, 1.8m

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: L&T Display Technology (Fujian) Ltd.
M/N : BM230WF5

Max Resolution : 1920*1080@60Hz

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

D-Sub Cable #2 : Shielded, Detachable, 1.80m, with two cores in connector

DVI Cable #1 : Shielded, Detachable, 1.50m, with two cores on cable

DVI Cable #2 : Shielded, Detachable, 1.85m, with two cores in connector

Power Cord : Unshielded, Detachable, 1.80m

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

Remark:

The EUT is a LCD Monitor which input/output ports as follows:

- (1) One D-Sub In Port : Connected with PC
- (2) One DVI Port : Connected with PC
- (3) One DC In Port : Connected with Adapter

2.2 Peripherals

2.2.1 PC

Manufacturer : HP
Model Number : dx7200MT
Serial Number : CNG622017W
Power Cord : Unshielded, Detachable, 1.8m
Certificate : FCC DoC; CE/EMC; VCCI; C-Tick; UL
BSMI (R33001) 3C (A000111)
MIC (E-A011-04-2659(B))

2.2.2 Graphics Card (Used in PC)

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

2.2.3 Printer

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

2.2.4 Keyboard

Manufacturer : Microsoft
Model Number : RT2300
Serial Number : 7668200662248
Data Cable : Shielded, Undetachable, 1.8m
Certificate : CE/EMC, FCC DoC, VCCI, MIC, C-Tick, BSMI

2.2.5 Mouse

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

2.2.6 Modem

Manufacturer : TP-LINK
Model Number : TM-EC5658V
Serial Number : 07123301053
Data Cable : Shielded, Detachable, 1.8m
Certificate : FCC DoC, CE/EMC, CCC

2.3 Description of Test Facility

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

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

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

NVLAP Lab Code : 200371-0

2.4 Measurement Uncertainty

Conducted Emission Expanded Uncertainty: U = 3.38 dB

Radiated Emission Expanded Uncertainty (30-200MHz):
U = 4.58 dB (Horizontal)
U = 4.70 dB (Vertical)

Radiated Emission Expanded Uncertainty (200M-1GHz):
U = 4.84 dB (Horizontal)
U = 4.70 dB (Vertical)

3 CONDUCTED EMISSION TEST

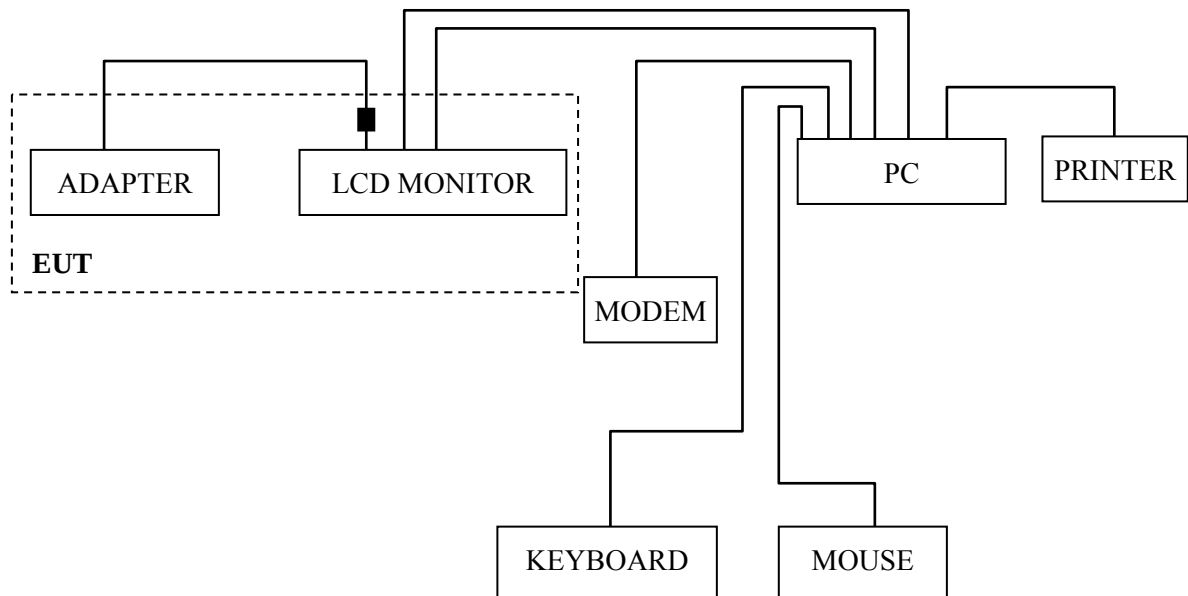
3.1 Test Equipment

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

Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Test Receiver	R&S	ESCI	100841	Mar 22, 2011	Mar 22, 2012
2.	Artificial Mains Network (AMN)	R&S	ENV4200	100125	Mar 22, 2011	Mar 22, 2012
3.	Line Impedance Stabilization Network (LISN)	Kyoritsu	KNW-407	8-1280-4	Mar 22, 2011	Mar 22, 2012
4.	50 Ω Coaxial Switch	Anritsu	MP59B	6200426389	Sep 18, 2011	Mar 18, 2012
5.	50 Ω Terminator	Anritsu	BNC	001	Mar 22, 2011	Mar 22, 2012
6.	Software	Audix	E3	SET00200 9804M592	--	--

3.2 Block Diagram of Test Setup

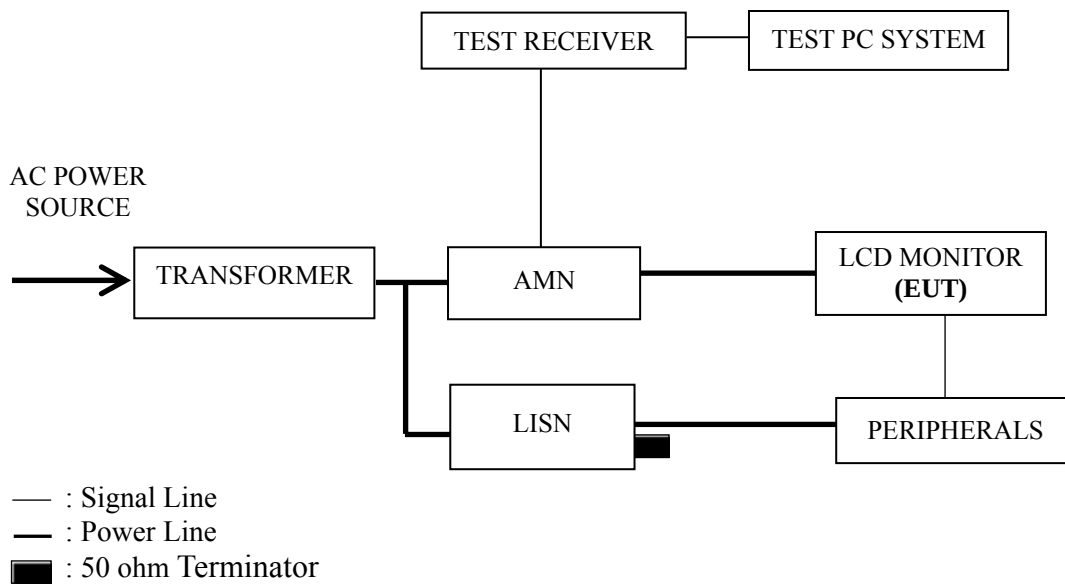
3.2.1 EUT & Peripherals



■ : Ferrite core

Note: Ferrite core only for Adapter #1

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 (μ V)	
	Quasi-peak	Average
0.15 ~ 0.5	66~56	56~46
0.5 ~ 5	56	46
5 ~ 30	60	50
NOTE 1 – The lower limit shall apply at the transition frequencies. NOTE 2 – The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz~0.50 MHz		

3.4 Test Configuration

The EUT (listed in Sec.2.1) and the peripherals (listed in Sec 2.2) were installed as shown on Sec.3.2 to meet FCC requirement and operating in a manner that tends to maximize its emission level in a normal application.

3.5 Operating Condition of EUT

3.5.1 Setup the EUT and peripherals as shown in Sec. 3.2.

3.5.2 Turn on the power of all equipments and the EUT.

3.5.3 Set the contrast & brightness of EUT to maximum.

3.5.4 PC system ran the self-test program "EMC Test" by windows XP and sent "H" characters to EUT through graphic card (we use white letters on a black background to represent all colors), the EUT's screen displayed and filled with "H" pattern by its resolution (Via D-Sub/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
Adapter #1	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
Adapter #2	D-Sub 1680*1050@60Hz
Adapter #3	D-Sub 1680*1050@60Hz
Adapter #4	D-Sub 1680*1050@60Hz

NOTE: We tested the EUT with adapter #1 and selected the worst test mode to perform test with adapter #2/#3/#4.

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.

Adaptor	Test Mode	Page
Adapter #1	D-Sub 640*480@60Hz	P13
	D-Sub 1280*1024@75Hz	P14
	D-Sub 1680*1050@60Hz	P15
	D-Sub 1920*1080@60Hz	P16
	DVI 640*480@60Hz	P17
	DVI 1280*1024@75Hz	P18
	DVI 1680*1050@60Hz	P19
	DVI 1920*1080@60Hz	P20
Adapter #2	D-Sub 1680*1050@60Hz	P21
Adapter #3	D-Sub 1680*1050@60Hz	P22
Adapter #4	D-Sub 1680*1050@60Hz	P23

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 1680*1050@60Hz test mode (Adaptor #2). The worst emission is detected at 0.176 MHz (Average Value) with corrected signal level of 49.13 dB (μV) (limit is 54.68 dB (μV)), when the Line of the EUT is connected to AMN.

EUT : LCD Monitor Temperature : 22°C

Model No. : E2351TZ Humidity : 48%RH

Serial No. : 112NDMT1J187 Date of Test : Dec 22, 2011

Test Mode : D-Sub 640*480@60Hz Adapter #1 : LCAP21A

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.184	46.14	9.81	55.95	64.28	8.33	QP
	0.249	37.38	9.78	47.16	61.78	14.62	
	0.381	30.21	9.75	39.96	58.25	18.29	
	4.407	31.83	10.07	41.90	56.00	14.10	
	6.627	28.82	10.19	39.01	60.00	20.99	
	15.885	30.46	10.27	40.73	60.00	19.27	
	0.184	35.80	9.81	45.61	54.28	8.67	AV
	0.249	27.40	9.78	37.18	51.78	14.60	
	0.381	19.99	9.75	29.74	48.25	18.51	
	4.407	21.60	10.07	31.67	46.00	14.33	
	6.627	19.19	10.19	29.38	50.00	20.62	
	15.885	20.21	10.27	30.48	50.00	19.52	
Neutral	0.190	46.08	9.78	55.86	64.02	8.16	QP
	0.249	37.30	9.76	47.06	61.78	14.72	
	0.310	34.60	9.75	44.35	59.97	15.62	
	4.407	34.10	10.20	44.30	56.00	11.70	
	6.627	27.51	10.35	37.86	60.00	22.14	
	18.232	32.11	10.13	42.24	60.00	17.76	
	0.190	35.60	9.78	45.38	54.02	8.64	AV
	0.249	27.10	9.76	36.86	51.78	14.92	
	0.310	23.70	9.75	33.45	49.97	16.52	
	4.407	23.50	10.20	33.70	46.00	12.30	
	6.627	17.59	10.35	27.94	50.00	22.06	
	18.232	21.50	10.13	31.63	50.00	18.37	

TEST ENGINEER: WENCY YANG

EUT : LCD Monitor Temperature : 22°C

Model No. : E2351TZ Humidity : 48%RH

Serial No. : 112NDMT1J187 Date of Test : Dec 22, 2011

Test Mode : D-Sub 1280*1024@75Hz Adapter #1 : LCAP21A

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.184	45.53	9.81	55.34	64.28	8.94	QP
	0.249	37.35	9.78	47.13	61.78	14.65	
	0.371	29.23	9.75	38.98	58.47	19.49	
	4.361	30.97	10.07	41.04	56.00	14.96	
	6.557	27.25	10.18	37.43	60.00	22.57	
	18.039	30.81	10.25	41.06	60.00	18.94	
	0.184	35.40	9.81	45.21	54.28	9.07	AV
	0.249	26.60	9.78	36.38	51.78	15.40	
	0.371	18.69	9.75	28.44	48.47	20.03	
	4.361	20.50	10.07	30.57	46.00	15.43	
	6.557	16.50	10.18	26.68	50.00	23.32	
	18.039	20.61	10.25	30.86	50.00	19.14	
Neutral	0.186	44.24	9.78	54.02	64.20	10.18	QP
	0.249	36.86	9.76	46.62	61.78	15.16	
	0.440	28.99	9.75	38.74	57.07	18.33	
	4.361	35.67	10.19	45.86	56.00	10.14	
	6.285	28.30	10.31	38.61	60.00	21.39	
	17.755	32.13	10.14	42.27	60.00	17.73	
	0.186	33.70	9.78	43.48	54.20	10.72	AV
	0.249	26.20	9.76	35.96	51.78	15.82	
	0.440	18.60	9.75	28.35	47.07	18.72	
	4.361	25.71	10.19	35.90	46.00	10.10	
	6.285	17.80	10.31	28.11	50.00	21.89	
	17.755	21.50	10.14	31.64	50.00	18.36	

TEST ENGINEER: WENCY YANG

EUT : LCD Monitor Temperature : 22°C

Model No. : E2351TZ Humidity : 48%RH

Serial No. : 112NDMT1J187 Date of Test : Dec 22, 2011

Test Mode : D-Sub 1680*1050@60Hz Adapter #1 : LCAP21A

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.176	46.74	9.83	56.57	64.68	8.11	QP
	0.239	39.06	9.78	48.84	62.13	13.29	
	0.377	30.01	9.75	39.76	58.34	18.58	
	4.315	34.21	10.07	44.28	56.00	11.72	
	6.698	27.70	10.19	37.89	60.00	22.11	
	18.232	32.21	10.25	42.46	60.00	17.54	
	0.176	36.60	9.83	46.43	54.68	8.25	AV
	0.239	28.50	9.78	38.28	52.13	13.85	
	0.377	19.39	9.75	29.14	48.34	19.20	
	4.315	23.90	10.07	33.97	46.00	12.03	
	6.698	18.40	10.19	28.59	50.00	21.41	
	18.232	21.60	10.25	31.85	50.00	18.15	
Neutral	0.188	45.38	9.78	55.16	64.11	8.95	QP
	0.244	38.49	9.76	48.25	61.95	13.70	
	0.313	33.89	9.75	43.64	59.88	16.24	
	0.381	29.66	9.74	39.40	58.25	18.85	
	4.407	32.39	10.20	42.59	56.00	13.41	
	15.885	32.58	10.19	42.77	60.00	17.23	
	0.188	35.30	9.78	45.08	54.11	9.03	AV
	0.244	27.70	9.76	37.46	51.95	14.49	
	0.313	23.50	9.75	33.25	49.88	16.63	
	0.381	20.70	9.74	30.44	48.25	17.81	
	4.407	22.30	10.20	32.50	46.00	13.50	
	15.885	22.10	10.19	32.29	50.00	17.71	

TEST ENGINEER: WENCY YANG

EUT : LCD Monitor Temperature : 22°C

Model No. : E2351TZ Humidity : 48%RH

Serial No. : 112NDMT1J187 Date of Test : Dec 22, 2011

Test Mode : D-Sub 1920*1080@60Hz Adapter #1 : LCAP21A

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.180	45.47	9.82	55.29	64.50	9.21	QP
	0.247	37.69	9.78	47.47	61.86	14.39	
	0.385	30.09	9.75	39.84	58.17	18.33	
	4.315	33.77	10.07	43.84	56.00	12.16	
	6.698	27.17	10.19	37.36	60.00	22.64	
	18.039	30.83	10.25	41.08	60.00	18.92	
	0.180	34.96	9.82	44.78	54.50	9.72	AV
	0.247	27.10	9.78	36.88	51.86	14.98	
	0.385	19.49	9.75	29.24	48.17	18.93	
	4.315	23.60	10.07	33.67	46.00	12.33	
	6.698	17.40	10.19	27.59	50.00	22.41	
	18.039	20.71	10.25	30.96	50.00	19.04	
Neutral	0.190	45.67	9.78	55.45	64.02	8.57	QP
	0.249	37.29	9.76	47.05	61.78	14.73	
	0.375	30.15	9.74	39.89	58.39	18.50	
	1.223	28.74	9.93	38.67	56.00	17.33	
	4.407	33.02	10.20	43.22	56.00	12.78	
	18.232	31.59	10.13	41.72	60.00	18.28	
	0.190	34.70	9.78	44.48	54.02	9.54	AV
	0.249	26.60	9.76	36.36	51.78	15.42	
	0.375	19.70	9.74	29.44	48.39	18.95	
	1.223	17.90	9.93	27.83	46.00	18.17	
	4.407	22.54	10.20	32.74	46.00	13.26	
	18.232	20.80	10.13	30.93	50.00	19.07	

TEST ENGINEER: WENCY YANG

EUT : LCD Monitor Temperature : 22°C

Model No. : E2351TZ Humidity : 48%RH

Serial No. : 112NDMT1J187 Date of Test : Dec 22, 2011

Test Mode : DVI 640*480@60Hz Adapter #1 : LCAP21A

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.190	43.57	9.80	53.37	64.02	10.65	QP
	0.259	35.45	9.77	45.22	61.47	16.25	
	0.435	28.66	9.75	38.41	57.15	18.74	
	4.501	32.92	10.08	43.00	56.00	13.00	
	6.627	28.41	10.19	38.60	60.00	21.40	
	17.383	31.97	10.27	42.24	60.00	17.76	
	0.190	33.10	9.80	42.90	54.02	11.12	AV
	0.259	25.41	9.77	35.18	51.47	16.29	
	0.435	18.20	9.75	27.95	47.15	19.20	
	4.501	22.89	10.08	32.97	46.00	13.03	
	6.627	18.39	10.19	28.58	50.00	21.42	
	17.383	21.29	10.27	31.56	50.00	18.44	
Neutral	0.184	42.22	9.79	52.01	64.28	12.27	QP
	0.249	35.19	9.76	44.95	61.78	16.83	
	0.447	27.67	9.75	37.42	56.93	19.51	
	4.315	34.93	10.19	45.12	56.00	10.88	
	6.488	28.35	10.32	38.67	60.00	21.33	
	17.568	30.89	10.15	41.04	60.00	18.96	
	0.184	31.60	9.79	41.39	54.28	12.89	AV
	0.249	24.30	9.76	34.06	51.78	17.72	
	0.447	17.80	9.75	27.55	46.93	19.38	
	4.315	24.81	10.19	35.00	46.00	11.00	
	6.488	18.20	10.32	28.52	50.00	21.48	
	17.568	20.90	10.15	31.05	50.00	18.95	

TEST ENGINEER: WENCY YANG

EUT : LCD Monitor Temperature : 22°C

Model No. : E2351TZ Humidity : 48%RH

Serial No. : 112NDMT1J187 Date of Test : Dec 22, 2011

Test Mode : DVI 1280*1024@75Hz Adapter #1 : LCAP21A

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.190	43.67	9.80	53.47	64.02	10.55	QP
	0.253	35.41	9.78	45.19	61.64	16.45	
	0.389	28.11	9.75	37.86	58.08	20.22	
	4.269	31.92	10.07	41.99	56.00	14.01	
	6.627	28.51	10.19	38.70	60.00	21.30	
	17.755	31.45	10.26	41.71	60.00	18.29	
	0.190	33.30	9.80	43.10	54.02	10.92	AV
	0.253	24.60	9.78	34.38	51.64	17.26	
	0.389	18.10	9.75	27.85	48.08	20.23	
	4.269	21.60	10.07	31.67	46.00	14.33	
	6.627	17.89	10.19	28.08	50.00	21.92	
	17.755	21.20	10.26	31.46	50.00	18.54	
Neutral	0.186	44.13	9.78	53.91	64.20	10.29	QP
	0.249	36.27	9.76	46.03	61.78	15.75	
	0.385	28.52	9.74	38.26	58.17	19.91	
	4.361	33.48	10.19	43.67	56.00	12.33	
	6.627	27.33	10.35	37.68	60.00	22.32	
	17.849	32.45	10.14	42.59	60.00	17.41	
	0.186	33.80	9.78	43.58	54.20	10.62	AV
	0.249	26.20	9.76	35.96	51.78	15.82	
	0.385	18.50	9.74	28.24	48.17	19.93	
	4.361	23.31	10.19	33.50	46.00	12.50	
	6.627	17.19	10.35	27.54	50.00	22.46	
	17.849	22.20	10.14	32.34	50.00	17.66	

TEST ENGINEER: WENCY YANG

EUT : LCD Monitor Temperature : 22°C

Model No. : E2351TZ Humidity : 48%RH

Serial No. : 112NDMT1J187 Date of Test : Dec 22, 2011

Test Mode : DVI 1680*1050@60Hz Adapter #1 : LCAP21A

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.186	43.00	9.80	52.80	64.20	11.40	QP
	0.247	35.15	9.78	44.93	61.86	16.93	
	0.452	28.86	9.75	38.61	56.85	18.24	
	4.454	33.06	10.08	43.14	56.00	12.86	
	6.627	28.30	10.19	38.49	60.00	21.51	
	17.849	31.92	10.26	42.18	60.00	17.82	
	0.186	32.60	9.80	42.40	54.20	11.80	AV
	0.247	25.10	9.78	34.88	51.86	16.98	
	0.452	18.20	9.75	27.95	46.85	18.90	
	4.454	22.39	10.08	32.47	46.00	13.53	
	6.627	18.29	10.19	28.48	50.00	21.52	
	17.849	21.40	10.26	31.66	50.00	18.34	
Neutral	0.194	42.79	9.77	52.56	63.84	11.28	QP
	0.247	36.57	9.76	46.33	61.86	15.53	
	0.452	29.19	9.75	38.94	56.85	17.91	
	4.224	32.85	10.19	43.04	56.00	12.96	
	6.352	27.79	10.31	38.10	60.00	21.90	
	17.755	31.46	10.14	41.60	60.00	18.40	
	0.194	32.40	9.77	42.17	53.84	11.67	AV
	0.247	26.50	9.76	36.26	51.86	15.60	
	0.452	20.23	9.75	29.98	46.85	16.87	
	4.224	22.91	10.19	33.10	46.00	12.90	
	6.352	17.50	10.31	27.81	50.00	22.19	
	17.755	20.80	10.14	30.94	50.00	19.06	

TEST ENGINEER: WENCY YANG

EUT : LCD Monitor Temperature : 22°C

Model No. : E2351TZ Humidity : 48%RH

Serial No. : 112NDMT1J187 Date of Test : Dec 22, 2011

Test Mode : DVI 1920*1080@60Hz Adapter #1 : LCAP21A

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.183	43.50	9.81	53.31	64.33	11.02	QP
	0.252	35.94	9.78	45.72	61.69	15.97	
	0.444	29.05	9.75	38.80	56.98	18.18	
	4.269	31.73	10.07	41.80	56.00	14.20	
	6.352	27.07	10.15	37.22	60.00	22.78	
	16.055	36.45	10.27	46.72	60.00	13.28	
	0.183	33.40	9.81	43.21	54.33	11.12	AV
	0.252	25.30	9.78	35.08	51.69	16.61	
	0.444	20.40	9.75	30.15	46.98	16.83	
	4.269	21.30	10.07	31.37	46.00	14.63	
	6.352	17.91	10.15	28.06	50.00	21.94	
	16.055	26.11	10.27	36.38	50.00	13.62	
Neutral	0.186	43.49	9.78	53.27	64.20	10.93	QP
	0.253	35.82	9.76	45.58	61.64	16.06	
	0.385	28.17	9.74	37.91	58.17	20.26	
	4.158	33.87	10.19	44.06	56.00	11.94	
	6.420	27.84	10.32	38.16	60.00	21.84	
	19.740	31.92	10.12	42.04	60.00	17.96	
	0.186	32.80	9.78	42.58	54.20	11.62	AV
	0.253	25.40	9.76	35.16	51.64	16.48	
	0.385	17.30	9.74	27.04	48.17	21.13	
	4.158	23.10	10.19	33.29	46.00	12.71	
	6.420	17.70	10.32	28.02	50.00	21.98	
	19.740	20.50	10.12	30.62	50.00	19.38	

TEST ENGINEER: WENCY YANG

EUT : LCD Monitor Temperature : 22°C

Model No. : E2351TZ Humidity : 48%RH

Serial No. : 112NDMT1J187 Date of Test : Dec 22, 2011

Test Mode : D-Sub 1680*1050@60Hz Adapter #2 : LCAP26A-A

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.176	49.27	9.83	59.10	64.68	5.58	QP
	0.234	41.18	9.78	50.96	62.30	11.34	
	0.356	30.91	9.74	40.65	58.83	18.18	
	3.241	23.60	10.07	33.67	56.00	22.33	
	5.058	23.36	10.07	33.43	60.00	26.57	
	15.226	20.79	10.28	31.07	60.00	28.93	
	0.176	39.30	9.83	49.13	54.68	5.55	AV
	0.234	30.60	9.78	40.38	52.30	11.92	
	0.356	20.60	9.74	30.34	48.83	18.49	
	3.241	13.09	10.07	23.16	46.00	22.84	
	5.058	13.20	10.07	23.27	50.00	26.73	
	15.226	10.10	10.28	20.38	50.00	29.62	
Neutral	0.174	49.25	9.84	59.09	64.77	5.68	QP
	0.239	41.10	9.76	50.86	62.13	11.27	
	0.360	31.13	9.73	40.86	58.74	17.88	
	5.058	22.93	10.21	33.14	60.00	26.86	
	5.929	23.93	10.28	34.21	60.00	25.79	
	15.718	20.97	10.19	31.16	60.00	28.84	
	0.174	38.69	9.84	48.53	54.77	6.24	AV
	0.239	30.40	9.76	40.16	52.13	11.97	
	0.360	20.21	9.73	29.94	48.74	18.80	
	5.058	11.90	10.21	22.11	50.00	27.89	
	5.929	12.79	10.28	23.07	50.00	26.93	
	15.718	10.91	10.19	21.10	50.00	28.90	

TEST ENGINEER: WENCY YANG

EUT : LCD Monitor Temperature : 22°C

Model No. : E2351TZ Humidity : 48%RH

Serial No. : 112NDMT1J187 Date of Test : Dec 22, 2011

Test Mode : D-Sub 1680*1050@60Hz Adapter #3 : ADS-40SG-19-3
19032G

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.183	44.81	9.81	54.62	64.33	9.71	QP
	0.242	34.77	9.78	44.55	62.04	17.49	
	0.494	30.00	9.75	39.75	56.10	16.35	
	2.384	28.80	10.14	38.94	56.00	17.06	
	5.005	28.48	10.07	38.55	60.00	21.45	
	14.517	23.94	10.28	34.22	60.00	25.78	
	0.183	34.20	9.81	44.01	54.33	10.32	AV
	0.242	24.70	9.78	34.48	52.04	17.56	
	0.494	20.70	9.75	30.45	46.10	15.65	
	2.384	18.90	10.14	29.04	46.00	16.96	
	5.005	18.10	10.07	28.17	50.00	21.83	
	14.517	19.50	10.28	29.78	50.00	20.22	
Neutral	0.186	46.07	9.78	55.85	64.20	8.35	QP
	0.244	35.65	9.76	45.41	61.95	16.54	
	0.489	30.57	9.75	40.32	56.19	15.87	
	2.448	29.48	10.03	39.51	56.00	16.49	
	5.058	29.06	10.21	39.27	60.00	20.73	
	17.383	26.03	10.16	36.19	60.00	23.81	
	0.186	36.10	9.78	45.88	54.20	8.32	AV
	0.244	24.90	9.76	34.66	51.95	17.29	
	0.489	20.30	9.75	30.05	46.19	16.14	
	2.448	19.60	10.03	29.63	46.00	16.37	
	5.058	19.20	10.21	29.41	50.00	20.59	
	17.383	16.19	10.16	26.35	50.00	23.65	

TEST ENGINEER: WENCY YANG

EUT : LCD Monitor Temperature : 22°C

Model No. : E2351TZ Humidity : 48%RH

Serial No. : 112NDMT1J187 Date of Test : Dec 22, 2011

Test Mode : D-Sub 1680*1050@60Hz Adapter #4 : ADS-40FSG-19
19032GPCU-1

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.186	44.10	9.80	53.90	64.20	10.30	QP
	0.247	31.47	9.78	41.25	61.86	20.61	
	0.489	32.41	9.75	42.16	56.19	14.03	
	3.140	26.47	10.09	36.56	56.00	19.44	
	4.269	26.24	10.07	36.31	56.00	19.69	
	29.371	25.67	10.40	36.07	60.00	23.93	
	0.186	33.50	9.80	43.30	54.20	10.90	AV
	0.247	21.70	9.78	31.48	51.86	20.38	
	0.489	21.30	9.75	31.05	46.19	15.14	
	3.140	16.21	10.09	26.30	46.00	19.70	
	4.269	16.20	10.07	26.27	46.00	19.73	
	29.371	15.20	10.40	25.60	50.00	24.40	
Neutral	0.186	44.37	9.78	54.15	64.20	10.05	QP
	0.435	32.76	9.75	42.51	57.15	14.64	
	0.694	30.97	9.83	40.80	56.00	15.20	
	2.155	30.25	10.01	40.26	56.00	15.74	
	8.916	23.68	10.36	34.04	60.00	25.96	
	27.416	28.60	10.31	38.91	60.00	21.09	
	0.186	33.10	9.78	42.88	54.20	11.32	AV
	0.435	22.10	9.75	31.85	47.15	15.30	
	0.694	20.80	9.83	30.63	46.00	15.37	
	2.155	20.00	10.01	30.01	46.00	15.99	
	8.916	13.49	10.36	23.85	50.00	26.15	
	27.416	18.39	10.31	28.70	50.00	21.30	

TEST ENGINEER: WENCY YANG

4 RADIATED EMISSION TEST

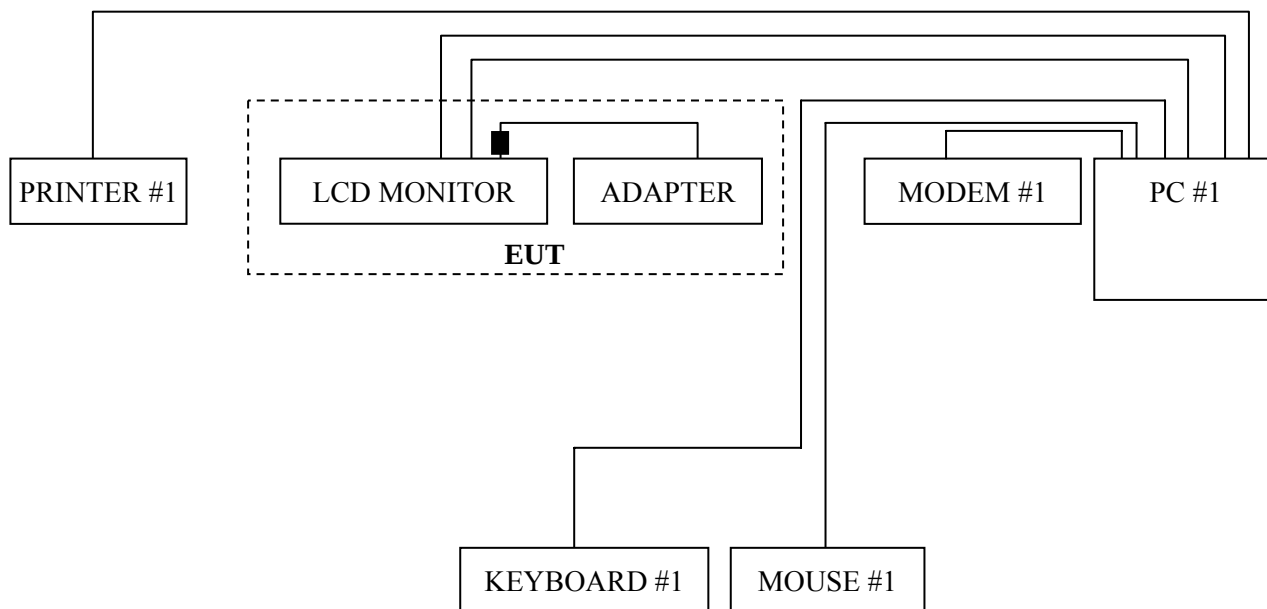
4.1 Test Equipment

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

Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Test Receiver	R&S	ESVS10	844594/001	Mar 22, 2011	Mar 22, 2012
2.	Preamplifier	Agilent	8447D	2944A10548	Sep 18, 2011	Mar 18, 2012
3.	Preamplifier	HP	8449B	3008A00864	Mar 22, 2011	Mar 22, 2012
4.	Bi-log Antenna	TESEQ	CBL6112D	23192	Dec 01, 2011	Dec 01, 2012
5.	Horn Antenna	EMCO	3115	9607-4878	May 06, 2011	May 06, 2012
6.	Spectrum	Agilent	E7405A	MY45106600	Mar 22, 2011	Mar 22, 2012
7.	50 Ω Coaxial Switch	Anritsu	MP59B	6200426390	Sep 18, 2011	Mar 18, 2012
8.	Software	Audix	E3	SET00200 9912M295-2	--	--

4.2 Block Diagram of Test Setup

4.2.1 EUT and Peripherals

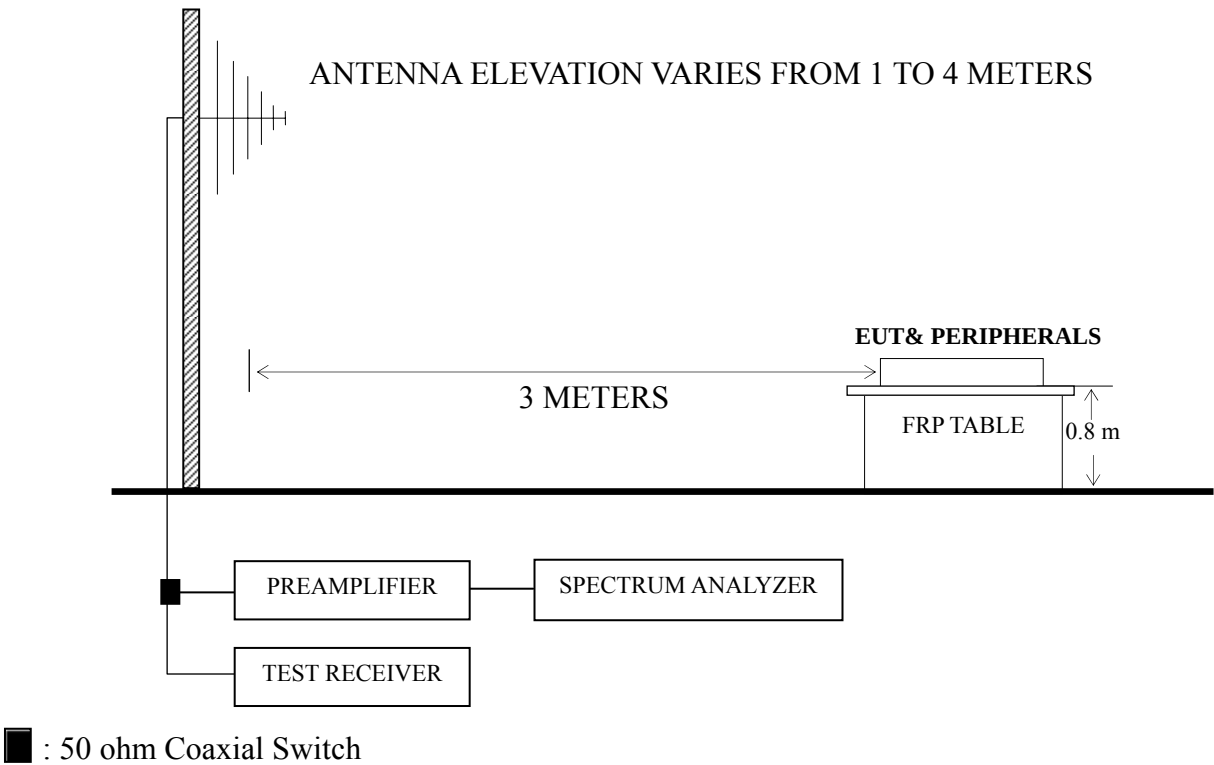


■ : Ferrite core

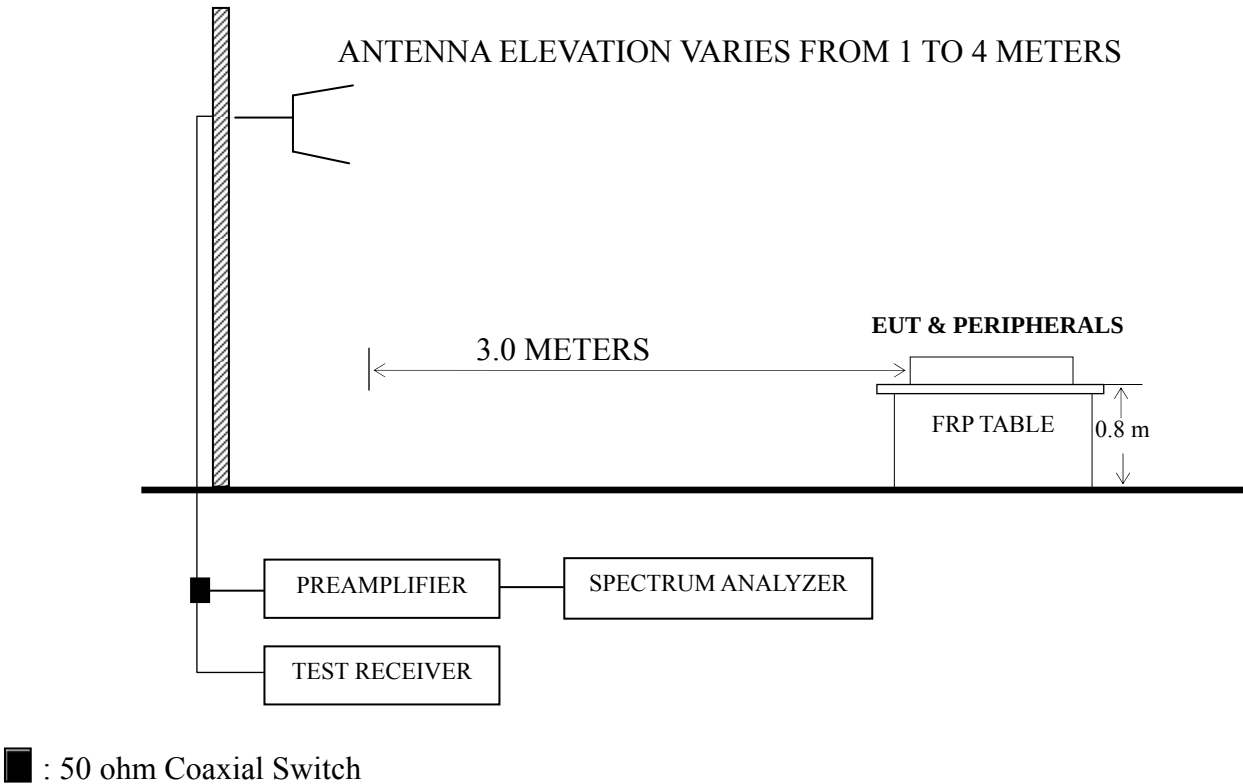
Note: Ferrite core only for Adapter #1

4.2.2 Radiated emission test setup

4.2.2.1 Below 1GHz



4.2.2.2 Above 1GHz



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) or Horn 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 and 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
Adapter #1	D-Sub 640*480@60Hz	P29
	D-Sub 1280*1024@75Hz	P30 – P31
	D-Sub 1680*1050@60Hz	P32 – P33
	D-Sub 1920*1080@60Hz	P34 – P35
	DVI 640*480@60Hz	P36
	DVI 1280*1024@75Hz	P37 – P38
	DVI 1680*1050@60Hz	P39 – P40
	DVI 1920*1080@60Hz	P41 – P42
Adapter #2	DVI 1280*1024@75Hz	P43 – P44
Adapter #3	DVI 1280*1024@75Hz	P45 – P46
Adapter #4	DVI 1280*1024@75Hz	P47 – 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 – All readings are Quasi-Peak values below or equal to 1GHz, Peak and Average values above 1GHz.

NOTE 5 – The emission levels that are 20dB below the official limit are not reported.

NOTE 6 – 0° was the table front facing the antenna. Degree is calculated from 0° clockwise facing the antenna.

NOTE 7 – The worst case is for DVI 1280*1024@75Hz test mode (Adapter #1). The worst emission at horizontal polarization was detected at 322.940 MHz with corrected signal level of 43.94 dB ($\mu\text{V/m}$) (limit is 46.00 dB ($\mu\text{V/m}$)), when the antenna was 1.00 m height and the turntable was at 250° . The worst emission at vertical polarization was detected at 75.590 MHz with corrected signal level of 36.57 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 120° .

EUT : LCD Monitor Temperature : 22°C

Model No. : E2351TZ Humidity : 60%RH

Serial No. : 112NDMT1J187 Date of Test : Dec 09, 2011

Test Mode : D-Sub 640*480@60Hz Adapter #1 : LCAP21A

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	72.680	25.52	10.08	1.47	37.07	40.00	2.93
	193.930	25.17	9.86	2.41	37.44	43.50	6.06
	250.190	26.17	11.99	2.61	40.77	46.00	5.23
	322.940	19.44	14.34	2.82	36.60	46.00	9.40
	415.090	11.11	16.50	3.02	30.63	46.00	15.37
	698.330	9.02	19.47	3.68	32.17	46.00	13.83
Vertical	82.380	20.12	10.67	1.63	32.42	40.00	7.58
	143.490	18.12	10.54	2.19	30.85	43.50	12.65
	198.780	22.71	9.81	2.42	34.94	43.50	8.56
	250.190	20.73	11.99	2.61	35.33	46.00	10.67
	415.090	13.47	16.50	3.02	32.99	46.00	13.01
	710.940	9.05	19.63	3.70	32.38	46.00	13.62

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : E2351TZ Humidity : 60%RH

Serial No. : 112NDMT1J187 Date of Test : Dec 09, 2011

Test Mode : D-Sub 1280*1024@75Hz Adapter #1 : LCAP21A

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	75.590	24.26	10.27	1.53	--	36.06	40.00	3.94	QP
	198.780	25.30	9.81	2.42	--	37.53	43.50	5.97	
	250.190	26.71	11.99	2.61	--	41.31	46.00	4.69	
	322.940	20.73	14.34	2.82	--	37.89	46.00	8.11	
	415.090	15.52	16.50	3.02	--	35.04	46.00	10.96	
	698.330	8.59	19.47	3.68	--	31.74	46.00	14.26	
	1040.000	43.71	25.07	4.49	38.12	35.15	70.00	34.85	PK
	1155.000	43.89	25.59	4.51	37.87	36.12	70.00	33.88	
	1260.000	45.18	26.14	4.52	37.62	38.22	70.00	31.78	
	1395.000	46.59	26.69	4.54	37.25	40.57	70.00	29.43	
	1510.000	43.33	27.01	4.55	36.95	37.94	70.00	32.06	
	1645.000	41.18	27.12	4.57	36.67	36.20	70.00	33.80	
	1040.000	36.71	25.07	4.49	38.12	28.15	50.00	21.85	AV
	1155.000	37.89	25.59	4.51	37.87	30.12	50.00	19.88	
	1260.000	39.18	26.14	4.52	37.62	32.22	50.00	17.78	
	1395.000	38.59	26.69	4.54	37.25	32.57	50.00	17.43	
	1510.000	34.33	27.01	4.55	36.95	28.94	50.00	21.06	
	1645.000	32.18	27.12	4.57	36.67	27.20	50.00	22.80	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : E2351TZ Humidity : 60%RH

Serial No. : 112NDMT1J187 Date of Test : Dec 09, 2011

Test Mode : D-Sub 1280*1024@75Hz Adapter #1 : LCAP21A

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
Vertical	31.940	12.28	17.29	0.82	--	30.39	40.00	9.61	QP
	82.380	20.96	10.67	1.63	--	33.26	40.00	6.74	
	143.490	16.96	10.54	2.19	--	29.69	43.50	13.81	
	247.280	20.21	11.85	2.60	--	34.66	46.00	11.34	
	415.090	13.61	16.50	3.02	--	33.13	46.00	12.87	
	710.940	8.64	19.63	3.70	--	31.97	46.00	14.03	
	1045.000	46.50	25.08	4.49	38.10	37.97	70.00	32.03	PK
	1120.000	45.19	25.42	4.50	37.94	37.17	70.00	32.83	
	1220.000	43.79	25.93	4.51	37.71	36.52	70.00	33.48	
	1365.000	46.54	26.59	4.54	37.33	40.34	70.00	29.66	
	1465.000	42.48	26.90	4.55	37.06	36.87	70.00	33.13	
	1610.000	43.61	27.09	4.56	36.74	38.52	70.00	31.48	
	1045.000	37.50	25.08	4.49	38.10	28.97	50.00	21.03	AV
	1120.000	37.19	25.42	4.50	37.94	29.17	50.00	20.83	
	1220.000	35.79	25.93	4.51	37.71	28.52	50.00	21.48	
	1365.000	41.54	26.59	4.54	37.33	35.34	50.00	14.66	
	1465.000	34.48	26.90	4.55	37.06	28.87	50.00	21.13	
	1610.000	40.61	27.09	4.56	36.74	35.52	50.00	14.48	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : E2351TZ Humidity : 60%RH

Serial No. : 112NDMT1J187 Date of Test : Dec 09, 2011

Test Mode : D-Sub 1680*1050@60Hz Adapter #1 : LCAP21A

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	75.590	25.28	10.27	1.53	--	37.08	40.00	2.92	QP
	193.930	24.86	9.86	2.41	--	37.13	43.50	6.37	
	247.280	26.75	11.85	2.60	--	41.20	46.00	4.80	
	322.940	24.84	14.34	2.82	--	42.00	46.00	4.00	
	415.090	14.67	16.50	3.02	--	34.19	46.00	11.81	
	875.840	8.11	20.37	4.75	--	33.23	46.00	12.77	
	1060.000	46.70	25.15	4.50	38.07	38.28	70.00	31.72	PK
	1170.000	51.02	25.66	4.51	37.83	43.36	70.00	26.64	
	1300.000	44.32	26.33	4.53	37.51	37.67	70.00	32.33	
	1440.000	44.18	26.83	4.55	37.12	38.44	70.00	31.56	
	1545.000	44.69	27.04	4.56	36.86	39.43	70.00	30.57	
	1655.000	46.08	27.13	4.57	36.65	41.13	70.00	28.87	
	1060.000	34.70	25.15	4.50	38.07	26.28	50.00	23.72	AV
	1170.000	38.02	25.66	4.51	37.83	30.36	50.00	19.64	
	1300.000	34.32	26.33	4.53	37.51	27.67	50.00	22.33	
	1440.000	35.18	26.83	4.55	37.12	29.44	50.00	20.56	
	1545.000	35.69	27.04	4.56	36.86	30.43	50.00	19.57	
	1655.000	36.08	27.13	4.57	36.65	31.13	50.00	18.87	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : E2351TZ Humidity : 60%RH

Serial No. : 112NDMT1J187 Date of Test : Dec 09, 2011

Test Mode : D-Sub 1680*1050@60Hz Adapter #1 : LCAP21A

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
Vertical	75.590	23.11	10.27	1.53	--	34.91	40.00	5.09	QP
	145.430	17.11	10.50	2.20	--	29.81	43.50	13.69	
	247.280	19.58	11.85	2.60	--	34.03	46.00	11.97	
	322.940	15.65	14.34	2.82	--	32.81	46.00	13.19	
	415.090	13.73	16.50	3.02	--	33.25	46.00	12.75	
	710.940	8.73	19.63	3.70	--	32.06	46.00	13.94	
	1080.000	46.79	25.24	4.50	38.03	38.50	70.00	31.50	PK
	1150.000	43.17	25.56	4.51	37.88	35.36	70.00	34.64	
	1240.000	45.27	26.03	4.52	37.67	38.15	70.00	31.85	
	1450.000	44.71	26.87	4.55	37.09	39.04	70.00	30.96	
	1595.000	49.42	27.08	4.56	36.77	44.29	70.00	25.71	
	1780.000	43.77	27.24	4.58	36.46	39.13	70.00	30.87	
	1080.000	42.79	25.24	4.50	38.03	34.50	50.00	15.50	AV
	1150.000	36.17	25.56	4.51	37.88	28.36	50.00	21.64	
	1240.000	37.27	26.03	4.52	37.67	30.15	50.00	19.85	
	1450.000	35.71	26.87	4.55	37.09	30.04	50.00	19.96	
	1595.000	38.42	27.08	4.56	36.77	33.29	50.00	16.71	
	1780.000	34.77	27.24	4.58	36.46	30.13	50.00	19.87	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : E2351TZ Humidity : 60%RH

Serial No. : 112NDMT1J187 Date of Test : Dec 09, 2011

Test Mode : D-Sub 1920*1080@60Hz Adapter #1 : LCAP21A

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	75.590	25.20	10.27	1.53	--	37.00	40.00	3.00	QP
	193.930	25.21	9.86	2.41	--	37.48	43.50	6.02	
	247.280	27.02	11.85	2.60	--	41.47	46.00	4.53	
	322.940	26.27	14.34	2.82	--	43.43	46.00	2.57	
	415.090	14.56	16.50	3.02	--	34.08	46.00	11.92	
	875.840	8.15	20.37	4.75	--	33.27	46.00	12.73	
	1070.000	46.79	25.19	4.50	38.05	38.43	70.00	31.57	PK
	1120.000	47.53	25.42	4.50	37.94	39.51	70.00	30.49	
	1200.000	44.25	25.82	4.51	37.76	36.82	70.00	33.18	
	1305.000	47.26	26.34	4.53	37.50	40.63	70.00	29.37	
	1420.000	42.94	26.77	4.54	37.17	37.08	70.00	32.92	
	1555.000	44.35	27.04	4.56	36.84	39.11	70.00	30.89	
	1070.000	36.79	25.19	4.50	38.05	28.43	50.00	21.57	AV
	1120.000	37.53	25.42	4.50	37.94	29.51	50.00	20.49	
	1200.000	35.25	25.82	4.51	37.76	27.82	50.00	22.18	
	1305.000	38.26	26.34	4.53	37.50	31.63	50.00	18.37	
	1420.000	31.94	26.77	4.54	37.17	26.08	50.00	23.92	
	1555.000	30.35	27.04	4.56	36.84	25.11	50.00	24.89	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : E2351TZ Humidity : 60%RH

Serial No. : 112NDMT1J187 Date of Test : Dec 09, 2011

Test Mode : D-Sub 1920*1080@60Hz Adapter #1 : LCAP21A

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
Vertical	77.530	23.58	10.39	1.56	--	35.53	40.00	4.47	QP
	145.430	17.68	10.50	2.20	--	30.38	43.50	13.12	
	193.930	19.41	9.86	2.41	--	31.68	43.50	11.82	
	247.280	20.35	11.85	2.60	--	34.80	46.00	11.20	
	322.940	17.76	14.34	2.82	--	34.92	46.00	11.08	
	415.090	13.73	16.50	3.02	--	33.25	46.00	12.75	
	1050.000	45.32	25.11	4.49	38.10	36.82	70.00	33.18	PK
	1155.000	44.11	25.59	4.51	37.87	36.34	70.00	33.66	
	1265.000	45.12	26.16	4.52	37.60	38.20	70.00	31.80	
	1400.000	45.77	26.70	4.54	37.24	39.77	70.00	30.23	
	1610.000	43.61	27.09	4.56	36.74	38.52	70.00	31.48	
	1850.000	56.30	27.30	4.64	36.37	51.87	70.00	18.13	
	1050.000	32.32	25.11	4.49	38.10	23.82	50.00	26.18	AV
	1155.000	33.11	25.59	4.51	37.87	25.34	50.00	24.66	
	1265.000	41.12	26.16	4.52	37.60	34.20	50.00	15.80	
	1400.000	39.77	26.70	4.54	37.24	33.77	50.00	16.23	
	1610.000	38.61	27.09	4.56	36.74	33.52	50.00	16.48	
	1850.000	45.30	27.30	4.64	36.37	40.87	50.00	9.13	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : E2351TZ Humidity : 60%RH

Serial No. : 112NDMT1J187 Date of Test : Dec 09, 2011

Test Mode : DVI 640*480@60Hz Adapter #1 : LCAP21A

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	75.590	24.94	10.27	1.53	36.74	40.00	3.26
	145.430	19.27	10.50	2.20	31.97	43.50	11.53
	201.690	25.68	9.87	2.43	37.98	43.50	5.52
	322.940	26.71	14.34	2.82	43.87	46.00	2.13
	446.130	17.79	16.92	3.11	37.82	46.00	8.18
	741.980	19.62	19.98	3.78	43.38	46.00	2.62
Vertical	75.590	24.11	10.27	1.53	35.91	40.00	4.09
	145.430	22.67	10.50	2.20	35.37	43.50	8.13
	193.930	19.21	9.86	2.41	31.48	43.50	12.02
	415.090	14.67	16.50	3.02	34.19	46.00	11.81
	424.790	14.75	16.62	3.06	34.43	46.00	11.57
	659.530	11.61	19.00	3.60	34.21	46.00	11.79

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : E2351TZ Humidity : 60%RH

Serial No. : 112NDMT1J187 Date of Test : Dec 09, 2011

Test Mode : DVI 1280*1024@75Hz Adapter #1 : LCAP21A

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	75.590	24.87	10.27	1.53	--	36.67	40.00	3.33	QP
	201.690	25.38	9.87	2.43	--	37.68	43.50	5.82	
	322.940	26.78	14.34	2.82	--	43.94	46.00	2.06	
	446.130	17.56	16.92	3.11	--	37.59	46.00	8.41	
	594.540	15.02	18.17	3.45	--	36.64	46.00	9.36	
	741.980	17.47	19.98	3.78	--	41.23	46.00	4.77	
	1060.000	46.70	25.15	4.50	38.07	38.28	70.00	31.72	PK
	1170.000	51.02	25.66	4.51	37.83	43.36	70.00	26.64	
	1285.000	43.14	26.26	4.53	37.55	36.38	70.00	33.62	
	1435.000	43.55	26.82	4.55	37.13	37.79	70.00	32.21	
	1530.000	44.73	27.02	4.55	36.89	39.41	70.00	30.59	
	1715.000	44.75	27.19	4.57	36.55	39.96	70.00	30.04	
	1060.000	32.70	25.15	4.50	38.07	24.28	50.00	25.72	AV
	1170.000	45.02	25.66	4.51	37.83	37.36	50.00	12.64	
	1285.000	31.14	26.26	4.53	37.55	24.38	50.00	25.62	
	1435.000	34.55	26.82	4.55	37.13	28.79	50.00	21.21	
	1530.000	32.73	27.02	4.55	36.89	27.41	50.00	22.59	
	1715.000	34.75	27.19	4.57	36.55	29.96	50.00	20.04	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : E2351TZ Humidity : 60%RH

Serial No. : 112NDMT1J187 Date of Test : Dec 09, 2011

Test Mode : DVI 1280*1024@75Hz Adapter #1 : LCAP21A

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
Vertical	75.590	24.77	10.27	1.53	--	36.57	40.00	3.43	QP
	145.430	21.75	10.50	2.20	--	34.45	43.50	9.05	
	322.940	13.54	14.34	2.82	--	30.70	46.00	15.30	
	415.090	14.17	16.50	3.02	--	33.69	46.00	12.31	
	594.540	13.10	18.17	3.45	--	34.72	46.00	11.28	
	741.980	18.77	19.98	3.78	--	42.53	46.00	3.47	
	1045.000	45.46	25.08	4.49	38.10	36.93	70.00	33.07	PK
	1200.000	44.41	25.82	4.51	37.76	36.98	70.00	33.02	
	1325.000	44.28	26.42	4.53	37.45	37.78	70.00	32.22	
	1475.000	44.45	26.93	4.55	37.03	38.90	70.00	31.10	
	1590.000	44.17	27.07	4.56	36.78	39.02	70.00	30.98	
	1730.000	44.38	27.20	4.57	36.54	39.61	70.00	30.39	
	1045.000	36.46	25.08	4.49	38.10	27.93	50.00	22.07	AV
	1200.000	31.41	25.82	4.51	37.76	23.98	50.00	26.02	
	1325.000	29.28	26.42	4.53	37.45	22.78	50.00	27.22	
	1475.000	38.45	26.93	4.55	37.03	32.90	50.00	17.10	
	1590.000	29.17	27.07	4.56	36.78	24.02	50.00	25.98	
	1730.000	37.38	27.20	4.57	36.54	32.61	50.00	17.39	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : E2351TZ Humidity : 60%RH

Serial No. : 112NDMT1J187 Date of Test : Dec 09, 2011

Test Mode : DVI 1680*1050@60Hz Adapter #1 : LCAP21A

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	75.590	24.06	10.27	1.53	--	35.86	40.00	4.14	QP
	201.690	25.96	9.87	2.43	--	38.26	43.50	5.24	
	259.890	20.03	12.40	2.64	--	35.07	46.00	10.93	
	322.940	25.45	14.34	2.82	--	42.61	46.00	3.39	
	446.130	18.42	16.92	3.11	--	38.45	46.00	7.55	
	741.980	18.53	19.98	3.78	--	42.29	46.00	3.71	
	1035.000	47.81	25.04	4.49	38.12	39.22	70.00	30.78	PK
	1105.000	44.02	25.36	4.50	37.97	35.91	70.00	34.09	
	1150.000	46.48	25.56	4.51	37.88	38.67	70.00	31.33	
	1340.000	45.69	26.48	4.53	37.41	39.29	70.00	30.71	
	1585.000	44.62	27.07	4.56	36.79	39.46	70.00	30.54	
	1765.000	44.67	27.23	4.58	36.49	39.99	70.00	30.01	
	1035.000	42.81	25.04	4.49	38.12	34.22	50.00	15.78	AV
	1105.000	36.02	25.36	4.50	37.97	27.91	50.00	22.09	
	1150.000	37.48	25.56	4.51	37.88	29.67	50.00	20.33	
	1340.000	34.69	26.48	4.53	37.41	28.29	50.00	21.71	
	1585.000	34.62	27.07	4.56	36.79	29.46	50.00	20.54	
	1765.000	39.67	27.23	4.58	36.49	34.99	50.00	15.01	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : E2351TZ Humidity : 60%RH

Serial No. : 112NDMT1J187 Date of Test : Dec 09, 2011

Test Mode : DVI 1680*1050@60Hz Adapter #1 : LCAP21A

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
Vertical	75.590	24.24	10.27	1.53	--	36.04	40.00	3.96	QP
	145.430	17.99	10.50	2.20	--	30.69	43.50	12.81	
	322.940	11.11	14.34	2.82	--	28.27	46.00	17.73	
	424.790	14.04	16.62	3.06	--	33.72	46.00	12.28	
	741.980	16.43	19.98	3.78	--	40.19	46.00	5.81	
	872.930	15.57	20.37	4.60	--	40.54	46.00	5.46	
	1030.000	45.38	25.02	4.49	38.14	36.75	70.00	33.25	PK
	1105.000	43.98	25.36	4.50	37.97	35.87	70.00	34.13	
	1195.000	43.98	25.80	4.51	37.77	36.52	70.00	33.48	
	1390.000	44.71	26.67	4.54	37.27	38.65	70.00	31.35	
	1580.000	42.84	27.06	4.56	36.80	37.66	70.00	32.34	
	1690.000	45.12	27.16	4.57	36.60	40.25	70.00	29.75	
	1030.000	35.38	25.02	4.49	38.14	26.75	50.00	23.25	AV
	1105.000	34.98	25.36	4.50	37.97	26.87	50.00	23.13	
	1195.000	36.98	25.80	4.51	37.77	29.52	50.00	20.48	
	1390.000	40.71	26.67	4.54	37.27	34.65	50.00	15.35	
	1580.000	37.84	27.06	4.56	36.80	32.66	50.00	17.34	
	1690.000	40.12	27.16	4.57	36.60	35.25	50.00	14.75	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : E2351TZ Humidity : 60%RH

Serial No. : 112NDMT1J187 Date of Test : Dec 09, 2011

Test Mode : DVI 1920*1080@60Hz Adapter #1 : LCAP21A

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	75.590	23.47	10.27	1.53	--	35.27	40.00	4.73	QP
	201.690	24.56	9.87	2.43	--	36.86	43.50	6.64	
	322.940	20.40	14.34	2.82	--	37.56	46.00	8.44	
	446.130	18.72	16.92	3.11	--	38.75	46.00	7.25	
	594.540	13.68	18.17	3.45	--	35.30	46.00	10.70	
	741.980	18.56	19.98	3.78	--	42.32	46.00	3.68	
	1030.000	45.25	25.02	4.49	38.14	36.62	70.00	33.38	PK
	1105.000	43.26	25.36	4.50	37.97	35.15	70.00	34.85	
	1160.000	45.72	25.61	4.51	37.85	37.99	70.00	32.01	
	1460.000	44.27	26.89	4.55	37.07	38.64	70.00	31.36	
	1585.000	42.05	27.07	4.56	36.79	36.89	70.00	33.11	
	1745.000	45.48	27.21	4.57	36.51	40.75	70.00	29.25	
	1030.000	41.25	25.02	4.49	38.14	32.62	50.00	17.38	AV
	1105.000	37.26	25.36	4.50	37.97	29.15	50.00	20.85	
	1160.000	40.72	25.61	4.51	37.85	32.99	50.00	17.01	
	1460.000	38.27	26.89	4.55	37.07	32.64	50.00	17.36	
	1585.000	36.05	27.07	4.56	36.79	30.89	50.00	19.11	
	1745.000	38.48	27.21	4.57	36.51	33.75	50.00	16.25	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : E2351TZ Humidity : 60%RH

Serial No. : 112NDMT1J187 Date of Test : Dec 09, 2011

Test Mode : DVI 1920*1080@60Hz Adapter #1 : LCAP21A

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
Vertical	75.590	25.28	10.27	1.53	--	37.08	40.00	2.92	QP
	145.430	18.64	10.50	2.20	--	31.34	43.50	12.16	
	193.930	16.28	9.86	2.41	--	28.55	43.50	14.95	
	322.940	12.12	14.34	2.82	--	29.28	46.00	16.72	
	424.790	12.26	16.62	3.06	--	31.94	46.00	14.06	
	594.540	14.33	18.17	3.45	--	35.95	46.00	10.05	
	1030.000	47.06	25.02	4.49	38.14	38.43	70.00	31.57	PK
	1165.000	46.07	25.64	4.51	37.84	38.38	70.00	31.62	
	1270.000	45.47	26.19	4.52	37.59	38.59	70.00	31.41	
	1390.000	43.07	26.67	4.54	37.27	37.01	70.00	32.99	
	1570.000	44.72	27.06	4.56	36.82	39.52	70.00	30.48	
	1735.000	43.00	27.20	4.57	36.53	38.24	70.00	31.76	
	1030.000	40.06	25.02	4.49	38.14	31.43	50.00	18.57	AV
	1165.000	36.07	25.64	4.51	37.84	28.38	50.00	21.62	
	1270.000	38.47	26.19	4.52	37.59	31.59	50.00	18.41	
	1390.000	34.07	26.67	4.54	37.27	28.01	50.00	21.99	
	1570.000	32.72	27.06	4.56	36.82	27.52	50.00	22.48	
	1735.000	29.00	27.20	4.57	36.53	24.24	50.00	25.76	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : E2351TZ Humidity : 60%RH

Serial No. : 112NDMT1J187 Date of Test : Dec 09, 2011

Test Mode : DVI 1280*1024@75Hz Adapter #2 : LCAP26A-A

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	70.740	17.06	9.93	1.43	--	28.42	40.00	11.58	QP
	208.480	28.24	10.15	2.46	--	40.85	43.50	2.65	
	288.990	22.28	13.39	2.72	--	38.39	46.00	7.61	
	322.940	18.33	14.34	2.82	--	35.49	46.00	10.51	
	567.380	9.41	18.02	3.40	--	30.83	46.00	15.17	
	741.980	13.47	19.98	3.78	--	37.23	46.00	8.77	
	1075.000	47.70	25.21	4.50	38.04	39.37	70.00	30.63	PK
	1130.000	44.63	25.46	4.50	37.92	36.67	70.00	33.33	
	1275.000	42.25	26.21	4.53	37.57	35.42	70.00	34.58	
	1445.000	42.73	26.84	4.55	37.11	37.01	70.00	32.99	
	1575.000	44.38	27.06	4.56	36.81	39.19	70.00	30.81	
	1680.000	43.72	27.15	4.57	36.62	38.82	70.00	31.18	
	1075.000	38.70	25.21	4.50	38.04	30.37	50.00	19.63	AV
	1130.000	33.63	25.46	4.50	37.92	25.67	50.00	24.33	
	1275.000	32.25	26.21	4.53	37.57	25.42	50.00	24.58	
	1445.000	31.73	26.84	4.55	37.11	26.01	50.00	23.99	
	1575.000	30.38	27.06	4.56	36.81	25.19	50.00	24.81	
	1680.000	25.72	27.15	4.57	36.62	20.82	50.00	29.18	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : E2351TZ Humidity : 60%RH

Serial No. : 112NDMT1J187 Date of Test : Dec 09, 2011

Test Mode : DVI 1280*1024@75Hz Adapter #2 : LCAP26A-A

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
Vertical	46.490	18.01	9.72	0.90	--	28.63	40.00	11.37	QP
	90.140	23.31	11.00	1.73	--	36.04	43.50	7.46	
	213.330	21.82	10.33	2.47	--	34.62	43.50	8.88	
	322.940	16.31	14.34	2.82	--	33.47	46.00	12.53	
	446.130	23.59	16.92	3.11	--	43.62	46.00	2.38	
	594.540	17.61	18.17	3.45	--	39.23	46.00	6.77	
	1040.000	45.58	25.07	4.49	38.12	37.02	70.00	32.98	PK
	1090.000	46.12	25.28	4.50	38.01	37.89	70.00	32.11	
	1135.000	43.86	25.49	4.51	37.91	35.95	70.00	34.05	
	1260.000	44.31	26.14	4.52	37.62	37.35	70.00	32.65	
	1345.000	45.27	26.51	4.53	37.39	38.92	70.00	31.08	
	1490.000	43.84	26.98	4.55	37.00	38.37	70.00	31.63	
	1040.000	37.58	25.07	4.49	38.12	29.02	50.00	20.98	AV
	1090.000	40.12	25.28	4.50	38.01	31.89	50.00	18.11	
	1135.000	37.86	25.49	4.51	37.91	29.95	50.00	20.05	
	1260.000	39.31	26.14	4.52	37.62	32.35	50.00	17.65	
	1345.000	39.27	26.51	4.53	37.39	32.92	50.00	17.08	
	1490.000	36.84	26.98	4.55	37.00	31.37	50.00	18.63	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : E2351TZ Humidity : 60%RH

Serial No. : 112NDMT1J187 Date of Test : Dec 09, 2011

Test Mode : DVI 1280*1024@75Hz Adapter #3 : ADS-40SG-19-3
19032G

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	70.740	15.53	9.93	1.43	--	26.89	40.00	13.11	QP
	193.930	20.61	9.86	2.41	--	32.88	43.50	10.62	
	288.990	23.28	13.39	2.72	--	39.39	46.00	6.61	
	322.940	18.23	14.34	2.82	--	35.39	46.00	10.61	
	446.130	17.63	16.92	3.11	--	37.66	46.00	8.34	
	741.980	10.76	19.98	3.78	--	34.52	46.00	11.48	
	1040.000	43.71	25.07	4.49	38.12	35.15	70.00	34.85	PK
	1075.000	50.67	25.21	4.50	38.04	42.34	70.00	27.66	
	1135.000	44.77	25.49	4.51	37.91	36.86	70.00	33.14	
	1290.000	44.64	26.28	4.53	37.54	37.91	70.00	32.09	
	1370.000	52.34	26.60	4.54	37.32	46.16	70.00	23.84	
	1525.000	43.18	27.02	4.55	36.90	37.85	70.00	32.15	
	1040.000	34.71	25.07	4.49	38.12	26.15	50.00	23.85	AV
	1075.000	41.67	25.21	4.50	38.04	33.34	50.00	16.66	
	1135.000	31.77	25.49	4.51	37.91	23.86	50.00	26.14	
	1290.000	34.64	26.28	4.53	37.54	27.91	50.00	22.09	
	1370.000	43.34	26.60	4.54	37.32	37.16	50.00	12.84	
	1525.000	32.18	27.02	4.55	36.90	26.85	50.00	23.15	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : E2351TZ Humidity : 60%RH

Serial No. : 112NDMT1J187 Date of Test : Dec 09, 2011

Test Mode : DVI 1280*1024@75Hz Adapter #3 : ADS-40SG-19-3
19032G

Polarization	Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
Vertical	32.910	19.68	16.79	0.82	--	37.29	40.00	2.71	QP
	90.140	21.49	11.00	1.73	--	34.22	43.50	9.28	
	213.330	21.30	10.33	2.47	--	34.10	43.50	9.40	
	353.980	17.52	15.25	2.89	--	35.66	46.00	10.34	
	446.130	21.74	16.92	3.11	--	41.77	46.00	4.23	
	741.980	19.00	19.98	3.78	--	42.76	46.00	3.24	
	1040.000	45.58	25.07	4.49	38.12	37.02	70.00	32.98	PK
	1145.000	43.63	25.54	4.51	37.88	35.80	70.00	34.20	
	1255.000	43.60	26.12	4.52	37.63	36.61	70.00	33.39	
	1320.000	46.13	26.41	4.53	37.46	39.61	70.00	30.39	
	1470.000	47.91	26.92	4.55	37.04	42.34	70.00	27.66	
	1605.000	45.50	27.09	4.56	36.75	40.40	70.00	29.60	
	1040.000	33.58	25.07	4.49	38.12	25.02	50.00	24.98	AV
	1145.000	29.63	25.54	4.51	37.88	21.80	50.00	28.20	
	1255.000	37.60	26.12	4.52	37.63	30.61	50.00	19.39	
	1320.000	32.13	26.41	4.53	37.46	25.61	50.00	24.39	
	1470.000	34.91	26.92	4.55	37.04	29.34	50.00	20.66	
	1605.000	36.50	27.09	4.56	36.75	31.40	50.00	18.60	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : E2351TZ Humidity : 60%RH

Serial No. : 112NDMT1J187 Date of Test : Dec 09, 2011

Test Mode : DVI 1280*1024@75Hz Adapter #4 : ADS-40FSG-19
19032GPCU-1

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	33.880	13.58	16.26	0.83	--	30.67	40.00	9.33	QP
	72.680	13.88	10.08	1.47	--	25.43	40.00	14.57	
	208.480	21.30	10.15	2.46	--	33.91	43.50	9.59	
	288.990	19.49	13.39	2.72	--	35.60	46.00	10.40	
	322.940	17.12	14.34	2.82	--	34.28	46.00	11.72	
	741.980	11.41	19.98	3.78	--	35.17	46.00	10.83	
	1045.000	46.75	25.08	4.49	38.10	38.22	70.00	31.78	PK
	1150.000	46.43	25.56	4.51	37.88	38.62	70.00	31.38	
	1305.000	46.83	26.34	4.53	37.50	40.20	70.00	29.80	
	1470.000	45.29	26.92	4.55	37.04	39.72	70.00	30.28	
	1595.000	49.81	27.08	4.56	36.77	44.68	70.00	25.32	
	1710.000	41.99	27.18	4.57	36.56	37.18	70.00	32.82	
	1045.000	33.75	25.08	4.49	38.10	25.22	50.00	24.78	AV
	1150.000	33.43	25.56	4.51	37.88	25.62	50.00	24.38	
	1305.000	33.83	26.34	4.53	37.50	27.20	50.00	22.80	
	1470.000	34.29	26.92	4.55	37.04	28.72	50.00	21.28	
	1595.000	36.81	27.08	4.56	36.77	31.68	50.00	18.32	
	1710.000	29.99	27.18	4.57	36.56	25.18	50.00	24.82	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : E2351TZ Humidity : 60%RH

Serial No. : 112NDMT1J187 Date of Test : Dec 09, 2011

Test Mode : DVI 1280*1024@75Hz Adapter #4 : ADS-40FSG-19
19032GPCU-1

Polarization	Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
Vertical	31.940	14.67	17.29	0.82	--	32.78	40.00	7.22	QP
	43.580	16.78	10.86	0.89	--	28.53	40.00	11.47	
	82.380	20.51	10.67	1.63	--	32.81	40.00	7.19	
	281.230	18.99	13.17	2.70	--	34.86	46.00	11.14	
	446.130	21.92	16.92	3.11	--	41.95	46.00	4.05	
	741.980	19.58	19.98	3.78	--	43.34	46.00	2.66	
	1010.000	45.51	24.94	4.49	38.18	36.76	70.00	33.24	PK
	1175.000	47.87	25.69	4.51	37.82	40.25	70.00	29.75	
	1365.000	43.55	26.59	4.54	37.33	37.35	70.00	32.65	
	1580.000	44.96	27.06	4.56	36.80	39.78	70.00	30.22	
	1760.000	47.95	27.23	4.58	36.49	43.27	70.00	26.73	
	1870.000	46.36	27.32	4.67	36.35	42.00	70.00	28.00	
	1010.000	35.51	24.94	4.49	38.18	26.76	50.00	23.24	AV
	1175.000	41.87	25.69	4.51	37.82	34.25	50.00	15.75	
	1365.000	36.55	26.59	4.54	37.33	30.35	50.00	19.65	
	1580.000	29.96	27.06	4.56	36.80	24.78	50.00	25.22	
	1760.000	39.95	27.23	4.58	36.49	35.27	50.00	14.73	
	1870.000	35.36	27.32	4.67	36.35	31.00	50.00	19.00	

TEST ENGINEER: RAVEN JIN

5 DEVIATION TO TEST SPECIFICATIONS

None.

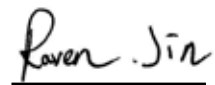
6 DEBUG DESCRIPTION

The following components are used during the countermeasure procedures:

Name	Specifications (mm)	Manufacturer	Location
EMI Sponge	140mm*1T	EXPAN Electronics SUZHOU Co., Ltd.	See Appendix Figure 25

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)