

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

LCD Monitor

Model No.: E2342TA

Serial No.: 112NDTC87993

FCC ID : BEJE2342TA

Prepared For : LG Electronics U.S.A., Inc.
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NJ 07632, United States

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Report No. : ACI-F12011
Date of Test : Jan 10 – 13, 2012
Date of Report : Jan 18, 2012

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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. : E2342TA
(B) Serial No. : 112NDTC87993
(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: E2342TA; S/N: 112NDTC87993) which was tested in 3m anechoic chamber Jan 13 – 17, 2012 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 : Jan 10 – 13, 2012 Date of Report : Jan 18, 2012

Producer : Yenny Yu
YENNY YU / Assistant

Review : Dio Yang
DIO YANG / Assistant Manager

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

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

1 SUMMARY OF STANDARDS AND RESULTS

1.1 Description of Standards and Results

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

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

2 GENERAL INFORMATION

2.1 Description of Equipment Under Test

Description	: LCD Monitor
Model No.	: E2342TA
Serial No.	: 112NDTC87993
Real Power	: 25.00W (Adapter #1) 24.00W (Adapter #2) 25.00W (Adapter #3) 24.00W (Adapter #4) 24.00W (Adapter #5) 24.00W (Adapter #6) 24.00W (Adapter #7) 24.00W (Adapter #8)
AC Adapter #1	: Manufacturer : HONOR Model Number : ADS-40SG-19-3 19025G Input : 100-240V~, 50/60Hz 1.0A Output : 19V $\overline{\text{---}}$ 1.3A Output Cable : Unshielded, Undetachable, 1.8m
AC Adapter #2	: 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 #3	: Manufacturer : LIEN CHANG Model Number : LCAP21 Input : 100-240V~, 50-60Hz 1.1A Output : 19V $\overline{\text{---}}$ 1.3A Output Cable : Unshielded, Undetachable, 1.8m, with one core
AC Adapter #4	: 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 #5	: 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 #6	: Manufacturer : LIEN CHANG Model Number : LCAP26-*	(* can be A, E, I, B, LCAP26-A was selected as the test model.)
	Input : 100-240V~, 50-60Hz 1.1A Output : 19V $\overline{\text{---}}$ 1.3A Output Cable : Unshielded, Undetachable, 1.8m	
AC Adapter #7	: 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	
AC Adapter #8	: Manufacturer : HONOR Model Number : ADS-40FSG-19 19025G***-1	(*** can be PG, PBR, PI, PCU, ADS-40FSG-19 19025GPCU-1 was selected as the test model.)
	Input : 100-240V~, 50-60Hz 1.0A Output : 19V $\overline{\text{---}}$ 1.3A Output Cable : Unshielded, Undetachable, 1.8m	
Applicant	: LG Electronics Nanjing Display Co., Ltd. No.346, YaoXin Road Economic&Technical Development Zone, Nanjing, China	
Manufacturer	: LG Electronics Nanjing Display Co., Ltd. No.346, YaoXin Road Economic&Technical Development Zone, Nanjing, China	
LCD Panel	: Manufacturer : LG Display M/N : LM230WF5	
Max Resolution	: 1920*1080@60Hz	
D-Sub Cable #1	: Shielded, Detachable, 1.50m, with two cores on cable	
D-Sub Cable #2	: Shielded, Detachable, 1.85m, 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, 1.50m	
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 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 : 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 = 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)

Radiated Emission Expanded Uncertainty (Above 1GHz):
U= 4.60 dB (Horizontal)
U= 4.18 dB (Vertical)

3 CONDUCTED EMISSION TEST

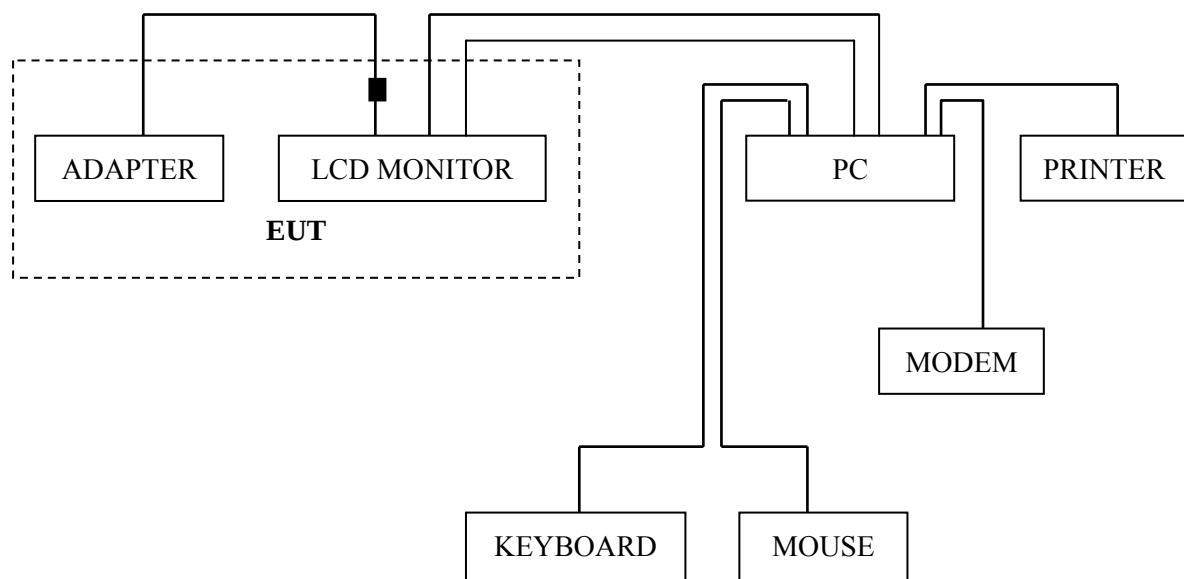
3.1 Test Equipment

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

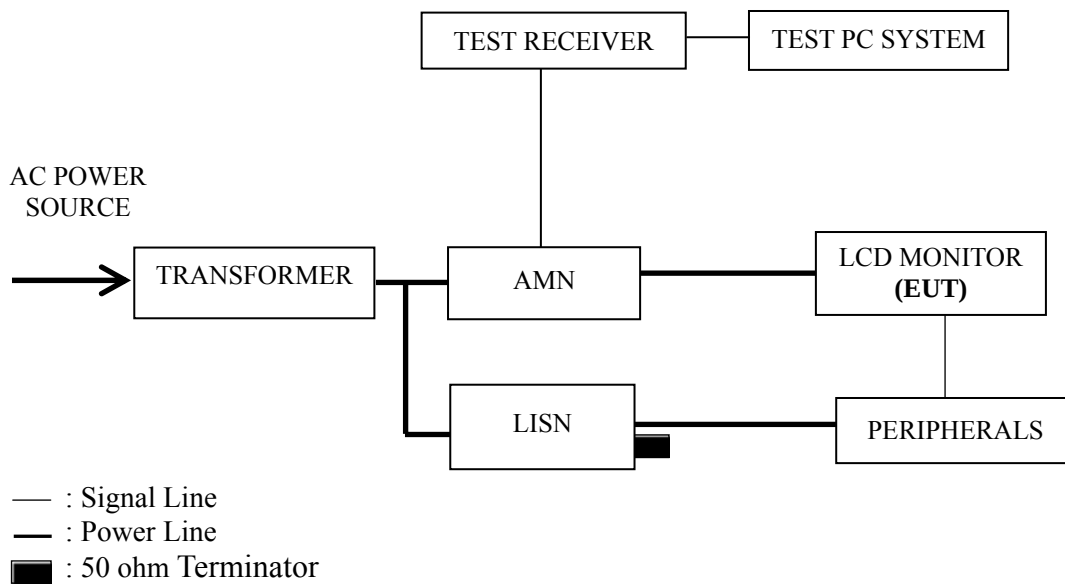
3.2.1 EUT & Peripherals



■ : Ferrite core

Note: Ferrite core only for Adapter #3, 4

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 1920*1080@60Hz
	DVI 1920*1080@60Hz
	DVI 1680*1050@60Hz
	DVI 1280*1024@60Hz
	DVI 640*480@60Hz
Adapter #2	DVI 640*480@60Hz
Adapter #3	DVI 640*480@60Hz
Adapter #4	DVI 640*480@60Hz
Adapter #5	DVI 640*480@60Hz
Adapter #6	DVI 640*480@60Hz
Adapter #7	DVI 640*480@60Hz
Adapter #8	DVI 640*480@60Hz

NOTE: We tested the EUT with adapter #1 and selected the worst test mode to perform test with adapter #2/#3/#4/#5/#6/#7/#8.

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	Page
Adapter #1	D-Sub 1920*1080@60Hz	P13
	DVI 1920*1080@60Hz	P14
	DVI 1680*1050@60Hz	P15
	DVI 1280*1024@60Hz	P16
	DVI 640*480@60Hz	P17
Adapter #2	DVI 640*480@60Hz	P18
Adapter #3	DVI 640*480@60Hz	P19
Adapter #4	DVI 640*480@60Hz	P20
Adapter #5	DVI 640*480@60Hz	P21
Adapter #6	DVI 640*480@60Hz	P22
Adapter #7	DVI 640*480@60Hz	P23
Adapter #8	DVI 640*480@60Hz	P24

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 640*480@60Hz test mode (Adaptor #3).

The worst emission is detected at 0.184 MHz (Quasi-Peak Value) with corrected signal level of 58.74 dB (μV) (limit is 64.28 dB (μV)), when the Line of the EUT is connected to AMN.

EUT : LCD Monitor Temperature : 22°C

Model No. : E2342TA Humidity : 48%RH

Serial No. : 112NDTC87993 Date of Test : Jan 13, 2011

Test Mode : D-Sub 1920*1080@60Hz Adapter #1 : ADS-40SG-19-3
19025G

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.161	43.88	9.89	53.77	65.43	11.66	QP
	0.389	34.27	9.75	44.02	58.08	14.06	
	0.499	32.93	9.75	42.68	56.01	13.33	
	1.388	29.81	10.18	39.99	56.00	16.01	
	4.721	30.54	10.07	40.61	56.00	15.39	
	9.011	29.09	10.19	39.28	60.00	20.72	
	0.161	33.23	9.89	43.12	55.43	12.31	AV
	0.389	23.15	9.75	32.90	48.08	15.18	
	0.499	22.70	9.75	32.45	46.01	13.56	
	1.388	20.70	10.18	30.88	46.00	15.12	
	4.721	20.03	10.07	30.10	46.00	15.90	
	9.011	20.14	10.19	30.33	50.00	19.67	
Neutral	0.168	44.37	9.87	54.24	65.08	10.84	QP
	0.381	34.43	9.74	44.17	58.25	14.08	
	0.499	32.73	9.75	42.48	56.01	13.53	
	1.172	30.53	9.93	40.46	56.00	15.54	
	3.642	32.50	10.16	42.66	56.00	13.34	
	11.438	29.20	10.33	39.53	60.00	20.47	
	0.168	34.15	9.87	44.02	55.08	11.06	AV
	0.381	23.70	9.74	33.44	48.25	14.81	
	0.499	23.70	9.75	33.45	46.01	12.56	
	1.172	20.70	9.93	30.63	46.00	15.37	
	3.642	23.71	10.16	33.87	46.00	12.13	
	11.438	20.16	10.33	30.49	50.00	19.51	

TEST ENGINEER: WENCY YANG

EUT : LCD Monitor Temperature : 22°C

Model No. : E2342TA Humidity : 48%RH

Serial No. : 112NDTC87993 Date of Test : Jan 13, 2011

Test Mode : DVI 1920*1080@60Hz Adapter #1 : ADS-40SG-19-3
19025G

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.162	43.34	9.89	53.23	65.34	12.11	QP
	0.393	34.66	9.74	44.40	57.99	13.59	
	0.499	32.17	9.75	41.92	56.01	14.09	
	1.172	30.79	10.19	40.98	56.00	15.02	
	4.672	35.31	10.07	45.38	56.00	10.62	
	9.302	29.19	10.18	39.37	60.00	20.63	
	0.162	34.69	9.89	44.58	55.34	10.76	AV
	0.393	25.61	9.74	35.35	47.99	12.64	
	0.499	24.21	9.75	33.96	46.01	12.05	
	1.172	20.81	10.19	31.00	46.00	15.00	
	4.672	24.80	10.07	34.87	46.00	11.13	
	9.302	20.30	10.18	30.48	50.00	19.52	
Neutral	0.153	45.19	9.90	55.09	65.82	10.73	QP
	0.389	34.03	9.74	43.77	58.08	14.31	
	0.499	32.43	9.75	42.18	56.01	13.83	
	1.858	30.72	10.01	40.73	56.00	15.27	
	4.874	32.20	10.21	42.41	56.00	13.59	
	11.080	29.14	10.34	39.48	60.00	20.52	
	0.153	35.80	9.90	45.70	55.82	10.12	AV
	0.389	24.16	9.74	33.90	48.08	14.18	
	0.499	24.98	9.75	34.73	46.01	11.28	
	1.858	20.10	10.01	30.11	46.00	15.89	
	4.874	23.16	10.21	33.37	46.00	12.63	
	11.080	20.98	10.34	31.32	50.00	18.68	

TEST ENGINEER: WENCY YANG

EUT : LCD Monitor Temperature : 22°C

Model No. : E2342TA Humidity : 48%RH

Serial No. : 112NDTC87993 Date of Test : Jan 13, 2011

Test Mode : DVI 1680*1050@60Hz Adapter #1 : ADS-40SG-19-3
19025G

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.164	44.27	9.88	54.15	65.25	11.10	QP
	0.385	34.31	9.75	44.06	58.17	14.11	
	0.505	32.49	9.75	42.24	56.00	13.76	
	1.433	30.93	10.17	41.10	56.00	14.90	
	3.799	31.39	10.07	41.46	56.00	14.54	
	9.011	29.29	10.19	39.48	60.00	20.52	
	0.164	34.15	9.88	44.03	55.25	11.22	AV
	0.385	24.69	9.75	34.44	48.17	13.73	
	0.505	23.65	9.75	33.40	46.00	12.60	
	1.433	20.00	10.17	30.17	46.00	15.83	
	3.799	21.05	10.07	31.12	46.00	14.88	
	9.011	20.45	10.19	30.64	50.00	19.36	
Neutral	0.153	45.19	9.90	55.09	65.82	10.73	QP
	0.389	34.03	9.74	43.77	58.08	14.31	
	0.499	32.43	9.75	42.18	56.01	13.83	
	1.858	30.72	10.01	40.73	56.00	15.27	
	4.874	32.20	10.21	42.41	56.00	13.59	
	11.080	29.14	10.34	39.48	60.00	20.52	
	0.153	35.80	9.90	45.70	55.82	10.12	AV
	0.389	24.16	9.74	33.90	48.08	14.18	
	0.499	24.98	9.75	34.73	46.01	11.28	
	1.858	20.10	10.01	30.11	46.00	15.89	
	4.874	23.16	10.21	33.37	46.00	12.63	
	11.080	20.98	10.34	31.32	50.00	18.68	

TEST ENGINEER: WENCY YANG

EUT : LCD Monitor Temperature : 22°C

Model No. : E2342TA Humidity : 48%RH

Serial No. : 112NDTC87993 Date of Test : Jan 13, 2011

Test Mode : DVI 1280*1024@60Hz Adapter #1 : ADS-40SG-19-3
19025G

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.164	45.18	9.88	55.06	65.25	10.19	QP
	0.389	33.21	9.75	42.96	58.08	15.12	
	0.499	32.16	9.75	41.91	56.01	14.10	
	1.403	28.91	10.18	39.09	56.00	16.91	
	4.772	32.79	10.07	42.86	56.00	13.14	
	9.204	29.17	10.18	39.35	60.00	20.65	
	0.164	35.49	9.88	45.37	55.25	9.88	AV
	0.389	23.85	9.75	33.60	48.08	14.48	
	0.499	23.16	9.75	32.91	46.01	13.10	
	1.403	19.76	10.18	29.94	46.00	16.06	
	4.772	23.50	10.07	33.57	46.00	12.43	
	9.204	20.18	10.18	30.36	50.00	19.64	
Neutral	0.166	45.74	9.88	55.62	65.16	9.54	QP
	0.381	33.97	9.74	43.71	58.25	14.54	
	0.505	32.64	9.75	42.39	56.00	13.61	
	1.010	30.86	9.92	40.78	56.00	15.22	
	4.721	32.24	10.21	42.45	56.00	13.55	
	9.204	28.47	10.35	38.82	60.00	21.18	
	0.166	35.80	9.88	45.68	55.16	9.48	AV
	0.381	23.40	9.74	33.14	48.25	15.11	
	0.505	23.05	9.75	32.80	46.00	13.20	
	1.010	20.60	9.92	30.52	46.00	15.48	
	4.721	21.52	10.21	31.73	46.00	14.27	
	9.204	18.76	10.35	29.11	50.00	20.89	

TEST ENGINEER: WENCY YANG

EUT : LCD Monitor Temperature : 22°C

Model No. : E2342TA Humidity : 48%RH

Serial No. : 112NDTC87993 Date of Test : Jan 13, 2011

Test Mode : DVI 640*480@60Hz Adapter #1 : ADS-40SG-19-3
19025G

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.156	45.98	9.89	55.87	65.65	9.78	QP
	0.385	33.81	9.75	43.56	58.17	14.61	
	0.499	32.14	9.75	41.89	56.01	14.12	
	1.388	29.58	10.18	39.76	56.00	16.24	
	4.772	32.95	10.07	43.02	56.00	12.98	
	9.011	29.76	10.19	39.95	60.00	20.05	
	0.156	35.83	9.89	45.72	55.65	9.93	AV
	0.385	23.72	9.75	33.47	48.17	14.70	
	0.499	23.15	9.75	32.90	46.01	13.11	
	1.388	20.31	10.18	30.49	46.00	15.51	
	4.772	23.86	10.07	33.93	46.00	12.07	
	9.011	20.15	10.19	30.34	50.00	19.66	
Neutral	0.168	45.78	9.87	55.65	65.08	9.43	QP
	0.385	33.82	9.74	43.56	58.17	14.61	
	0.499	32.16	9.75	41.91	56.01	14.10	
	1.352	31.23	9.95	41.18	56.00	14.82	
	4.822	33.70	10.21	43.91	56.00	12.09	
	9.302	30.29	10.35	40.64	60.00	19.36	
	0.168	30.70	9.87	40.57	55.08	14.51	AV
	0.385	23.86	9.74	33.60	48.17	14.57	
	0.499	20.70	9.75	30.45	46.01	15.56	
	1.352	21.06	9.95	31.01	46.00	14.99	
	4.822	23.95	10.21	34.16	46.00	11.84	
	9.302	20.15	10.35	30.50	50.00	19.50	

TEST ENGINEER: WENCY YANG

EUT : LCD Monitor Temperature : 22°C

Model No. : E2342TA Humidity : 48%RH

Serial No. : 112NDTC87993 Date of Test : Jan 13, 2011

Test Mode : DVI 640*480@60Hz Adapter #2 : 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	0.172	47.86	9.85	57.71	64.86	7.15	QP
	0.230	38.22	9.78	48.00	62.44	14.44	
	0.535	27.56	9.78	37.34	56.00	18.66	
	4.224	28.87	10.07	38.94	56.00	17.06	
	6.698	31.09	10.19	41.28	60.00	18.72	
	18.232	25.38	10.25	35.63	60.00	24.37	
	0.172	37.80	9.85	47.65	54.86	7.21	AV
	0.230	28.40	9.78	38.18	52.44	14.26	
	0.535	18.70	9.78	28.48	46.00	17.52	
	4.224	19.00	10.07	29.07	46.00	16.93	
	6.698	21.70	10.19	31.89	50.00	18.11	
	18.232	16.70	10.25	26.95	50.00	23.05	
Neutral	0.159	48.63	9.89	58.52	65.52	7.00	QP
	0.230	37.86	9.76	47.62	62.44	14.82	
	0.524	26.78	9.75	36.53	56.00	19.47	
	1.888	22.53	10.01	32.54	56.00	23.46	
	4.269	28.55	10.19	38.74	56.00	17.26	
	18.232	24.78	10.13	34.91	60.00	25.09	
	0.159	38.45	9.89	48.34	55.52	7.18	AV
	0.230	27.48	9.76	37.24	52.44	15.20	
	0.524	17.80	9.75	27.55	46.00	18.45	
	1.888	13.26	10.01	23.27	46.00	22.73	
	4.269	19.71	10.19	29.90	46.00	16.10	
	18.232	15.60	10.13	25.73	50.00	24.27	

TEST ENGINEER: WENCY YANG

EUT : LCD Monitor Temperature : 22°C

Model No. : E2342TA Humidity : 48%RH

Serial No. : 112NDTC87993 Date of Test : Jan 13, 2011

Test Mode : DVI 640*480@60Hz Adapter #3 : LCAP21

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.184	48.93	9.81	58.74	64.28	5.54	QP
	0.249	39.12	9.78	48.90	61.78	12.88	
	0.521	24.33	9.76	34.09	56.00	21.91	
	3.025	17.92	10.12	28.04	56.00	27.96	
	4.361	31.70	10.07	41.77	56.00	14.23	
	12.920	23.41	10.25	33.66	60.00	26.34	
	0.184	37.90	9.81	47.71	54.28	6.57	AV
	0.249	29.14	9.78	38.92	51.78	12.86	
	0.521	15.30	9.76	25.06	46.00	20.94	
	3.025	10.30	10.12	20.42	46.00	25.58	
	4.361	20.40	10.07	30.47	46.00	15.53	
	12.920	14.27	10.25	24.52	50.00	25.48	
Neutral	0.184	48.78	9.79	58.57	64.28	5.71	QP
	0.244	39.40	9.76	49.16	61.95	12.79	
	0.505	23.16	9.75	32.91	56.00	23.09	
	4.315	28.43	10.19	38.62	56.00	17.38	
	6.285	29.56	10.31	39.87	60.00	20.13	
	12.253	22.35	10.27	32.62	60.00	27.38	
	0.184	38.90	9.79	48.69	54.28	5.59	AV
	0.244	29.70	9.76	39.46	51.95	12.49	
	0.505	14.70	9.75	24.45	46.00	21.55	
	4.315	19.31	10.19	29.50	46.00	16.50	
	6.285	20.70	10.31	31.01	50.00	18.99	
	12.253	13.06	10.27	23.33	50.00	26.67	

TEST ENGINEER: WENCY YANG

EUT : LCD Monitor Temperature : 22°C

Model No. : E2342TA Humidity : 48%RH

Serial No. : 112NDTC87993 Date of Test : Jan 13, 2011

Test Mode : DVI 640*480@60Hz Adapter #4 : LCAP21A

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.164	47.54	9.88	57.42	65.25	7.83	QP
	0.389	33.67	9.75	43.42	58.08	14.66	
	0.558	32.95	9.80	42.75	56.00	13.25	
	1.172	32.06	10.19	42.25	56.00	13.75	
	4.952	30.88	10.07	40.95	56.00	15.05	
	9.302	28.79	10.18	38.97	60.00	21.03	
	0.164	37.45	9.88	47.33	55.25	7.92	AV
	0.389	23.60	9.75	33.35	48.08	14.73	
	0.558	23.50	9.80	33.30	46.00	12.70	
	1.172	23.81	10.19	34.00	46.00	12.00	
	4.952	20.70	10.07	30.77	46.00	15.23	
	9.302	19.02	10.18	29.20	50.00	20.80	
Neutral	0.159	47.69	9.89	57.58	65.52	7.94	QP
	0.398	33.82	9.74	43.56	57.90	14.34	
	0.499	32.75	9.75	42.50	56.01	13.51	
	1.781	30.29	10.01	40.30	56.00	15.70	
	4.822	33.79	10.21	44.00	56.00	12.00	
	9.302	28.22	10.35	38.57	60.00	21.43	
	0.159	37.50	9.89	47.39	55.52	8.13	AV
	0.398	23.57	9.74	33.31	47.90	14.59	
	0.499	21.40	9.75	31.15	46.01	14.86	
	1.781	20.89	10.01	30.90	46.00	15.10	
	4.822	23.70	10.21	33.91	46.00	12.09	
	9.302	18.70	10.35	29.05	50.00	20.95	

TEST ENGINEER: WENCY YANG

EUT : LCD Monitor Temperature : 22°C

Model No. : E2342TA Humidity : 48%RH

Serial No. : 112NDTC87993 Date of Test : Jan 13, 2011

Test Mode : DVI 640*480@60Hz Adapter #5 : LCAP26A-A

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.169	42.33	9.87	52.20	64.99	12.79	QP
	0.393	31.44	9.74	41.18	57.99	16.81	
	0.505	30.66	9.75	40.41	56.00	15.59	
	1.210	27.67	10.19	37.86	56.00	18.14	
	6.252	26.12	10.15	36.27	60.00	23.73	
	14.672	26.26	10.28	36.54	60.00	23.46	
	0.169	32.60	9.87	42.47	54.99	12.52	AV
	0.393	21.91	9.74	31.65	47.99	16.34	
	0.505	20.80	9.75	30.55	46.00	15.45	
	1.210	17.81	10.19	28.00	46.00	18.00	
	6.252	16.42	10.15	26.57	50.00	23.43	
	14.672	17.40	10.28	27.68	50.00	22.32	
Neutral	0.168	44.39	9.87	54.26	65.08	10.82	QP
	0.408	31.30	9.74	41.04	57.68	16.64	
	0.505	30.68	9.75	40.43	56.00	15.57	
	2.527	27.10	10.03	37.13	56.00	18.87	
	6.285	24.60	10.31	34.91	60.00	25.09	
	15.146	26.09	10.20	36.29	60.00	23.71	
	0.168	34.12	9.87	43.99	55.08	11.09	AV
	0.408	20.14	9.74	29.88	47.68	17.80	
	0.505	20.15	9.75	29.90	46.00	16.10	
	2.527	17.46	10.03	27.49	46.00	18.51	
	6.285	14.30	10.31	24.61	50.00	25.39	
	15.146	16.80	10.20	27.00	50.00	23.00	

TEST ENGINEER: WENCY YANG

EUT : LCD Monitor Temperature : 22°C

Model No. : E2342TA Humidity : 48%RH

Serial No. : 112NDTC87993 Date of Test : Jan 13, 2011

Test Mode : DVI 640*480@60Hz Adapter #6 : LCAP26-A

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.182	44.86	9.81	54.67	64.42	9.75	QP
	0.242	31.01	9.78	40.79	62.04	21.25	
	0.510	29.55	9.76	39.31	56.00	16.69	
	1.449	25.72	10.16	35.88	56.00	20.12	
	3.720	24.65	10.07	34.72	56.00	21.28	
	27.416	21.33	10.42	31.75	60.00	28.25	
	0.182	34.60	9.81	44.41	54.42	10.01	AV
	0.242	20.90	9.78	30.68	52.04	21.36	
	0.510	20.48	9.76	30.24	46.00	15.76	
	1.449	15.90	10.16	26.06	46.00	19.94	
	3.720	14.60	10.07	24.67	46.00	21.33	
	27.416	12.69	10.42	23.11	50.00	26.89	
Neutral	0.180	46.83	9.80	56.63	64.50	7.87	QP
	0.244	32.99	9.76	42.75	61.95	19.20	
	0.499	26.24	9.75	35.99	56.01	20.02	
	2.581	25.01	10.03	35.04	56.00	20.96	
	3.472	24.52	10.14	34.66	56.00	21.34	
	27.416	20.42	10.31	30.73	60.00	29.27	
	0.180	36.90	9.80	46.70	54.50	7.80	AV
	0.244	23.80	9.76	33.56	51.95	18.39	
	0.499	17.49	9.75	27.24	46.01	18.77	
	2.581	16.90	10.03	26.93	46.00	19.07	
	3.472	15.40	10.14	25.54	46.00	20.46	
	27.416	12.35	10.31	22.66	50.00	27.34	

TEST ENGINEER: WENCY YANG

EUT : LCD Monitor Temperature : 22°C

Model No. : E2342TA Humidity : 48%RH

Serial No. : 112NDTC87993 Date of Test : Jan 13, 2011

Test Mode : DVI 640*480@60Hz Adapter #7 : 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	0.182	46.68	9.81	56.49	64.42	7.93	QP
	0.244	37.96	9.78	47.74	61.95	14.21	
	0.567	24.13	9.82	33.95	56.00	22.05	
	4.574	31.03	10.07	41.10	56.00	14.90	
	6.878	26.90	10.20	37.10	60.00	22.90	
	15.226	25.69	10.28	35.97	60.00	24.03	
	0.182	37.59	9.81	47.40	54.42	7.02	AV
	0.244	28.15	9.78	37.93	51.95	14.02	
	0.567	14.60	9.82	24.42	46.00	21.58	
	4.574	21.60	10.07	31.67	46.00	14.33	
	6.878	17.58	10.20	27.78	50.00	22.22	
	15.226	16.23	10.28	26.51	50.00	23.49	
Neutral	0.180	48.55	9.80	58.35	64.50	6.15	QP
	0.242	39.62	9.76	49.38	62.04	12.66	
	0.505	24.88	9.75	34.63	56.00	21.37	
	4.549	29.75	10.21	39.96	56.00	16.04	
	6.951	27.15	10.36	37.51	60.00	22.49	
	15.885	26.53	10.19	36.72	60.00	23.28	
	0.180	38.30	9.80	48.10	54.50	6.40	AV
	0.242	29.70	9.76	39.46	52.04	12.58	
	0.505	14.23	9.75	23.98	46.00	22.02	
	4.549	19.49	10.21	29.70	46.00	16.30	
	6.951	17.20	10.36	27.56	50.00	22.44	
	15.885	16.80	10.19	26.99	50.00	23.01	

TEST ENGINEER: WENCY YANG

EUT : LCD Monitor Temperature : 22°C

Model No. : E2342TA Humidity : 48%RH

Serial No. : 112NDTC87993 Date of Test : Jan 13, 2011

Test Mode : DVI 640*480@60Hz Adapter #8 : ADS-40FSG-19
19025GPCU-1

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.162	49.11	9.89	59.00	65.34	6.34	QP
	0.230	37.62	9.78	47.40	62.44	15.04	
	0.516	22.65	9.76	32.41	56.00	23.59	
	2.794	19.52	10.12	29.64	56.00	26.36	
	5.166	23.13	10.07	33.20	60.00	26.80	
	15.388	29.21	10.28	39.49	60.00	20.51	
	0.162	39.25	9.89	49.14	55.34	6.20	AV
	0.230	27.56	9.78	37.34	52.44	15.10	
	0.516	13.26	9.76	23.02	46.00	22.98	
	2.794	10.49	10.12	20.61	46.00	25.39	
	5.166	14.59	10.07	24.66	50.00	25.34	
	15.388	20.78	10.28	31.06	50.00	18.94	
Neutral	0.162	48.41	9.88	58.29	65.34	7.05	QP
	0.230	37.40	9.76	47.16	62.44	15.28	
	0.516	24.75	9.75	34.50	56.00	21.50	
	1.043	19.79	9.92	29.71	56.00	26.29	
	4.361	22.43	10.19	32.62	56.00	23.38	
	15.388	26.96	10.20	37.16	60.00	22.84	
	0.162	37.49	9.88	47.37	55.34	7.97	AV
	0.230	27.15	9.76	36.91	52.44	15.53	
	0.516	15.60	9.75	25.35	46.00	20.65	
	1.043	10.80	9.92	20.72	46.00	25.28	
	4.361	12.60	10.19	22.79	46.00	23.21	
	15.388	17.46	10.20	27.66	50.00	22.34	

TEST ENGINEER: WENCY YANG

4 RADIATED EMISSION TEST

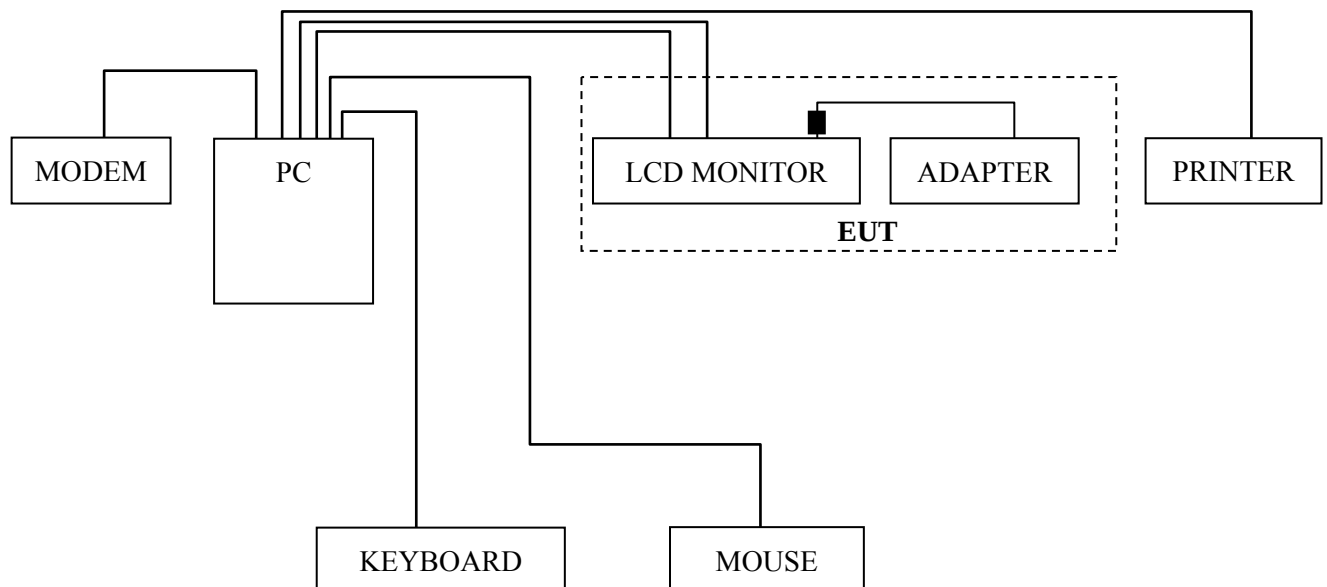
4.1 Test Equipment

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

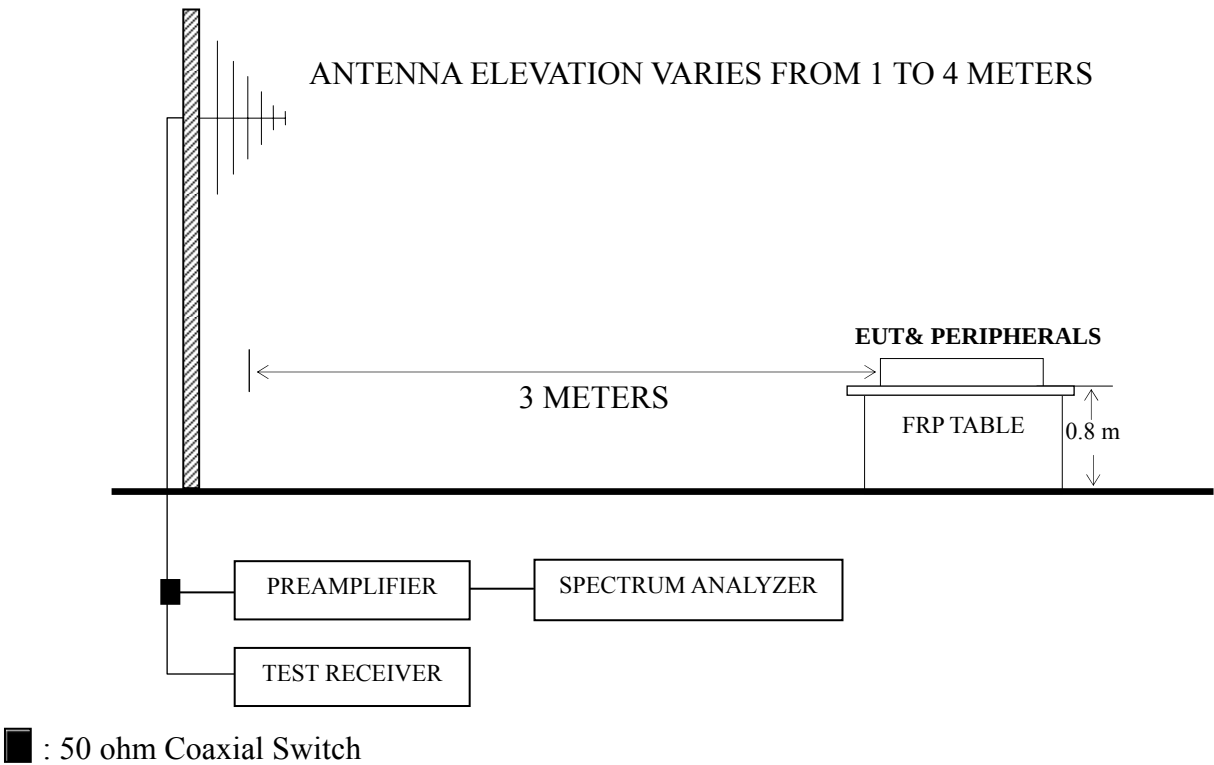


■ : Ferrite core

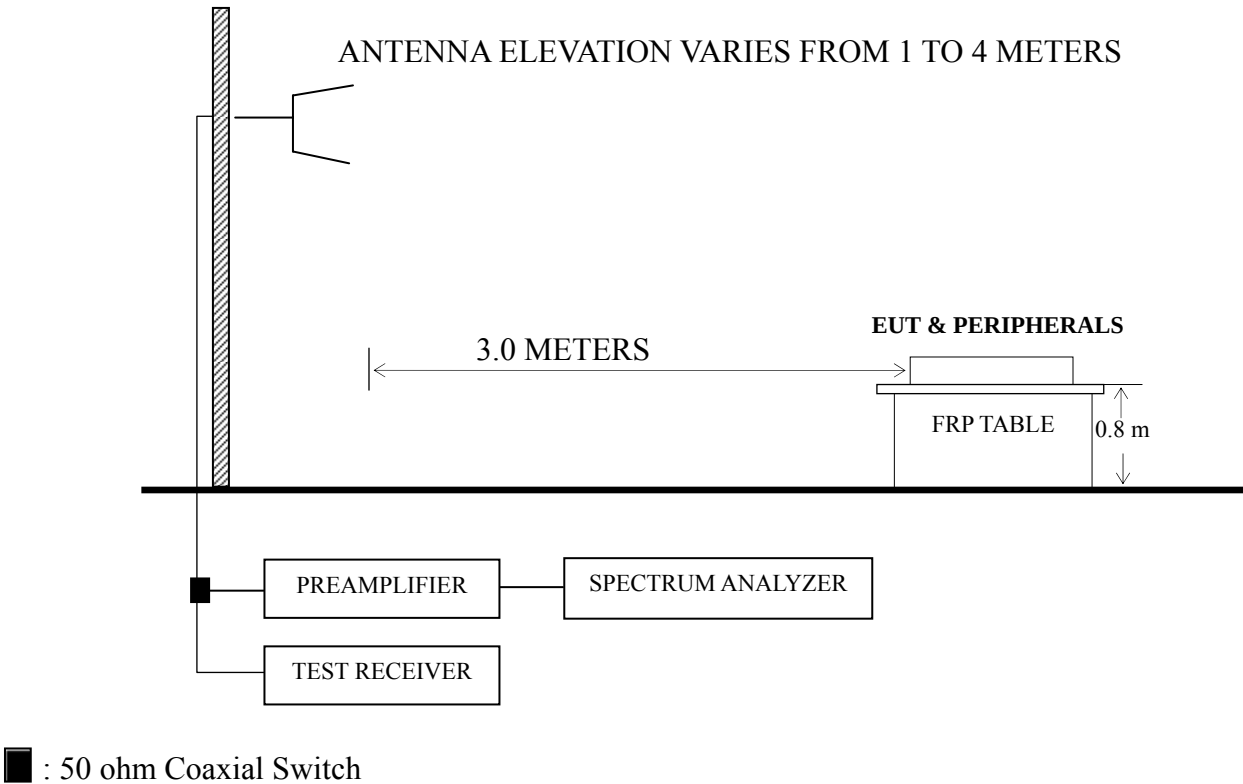
Note: Ferrite core only for Adapter #3, 4

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 worst test mode in 30 – 1000 MHz test.

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 1920*1080@60Hz	P30 – P31
	DVI 1920*1080@60Hz	P32
	D-Sub 1680*1050@60Hz	P33
	D-Sub 1280*1024@60Hz	P34
	D-Sub 640*480@60Hz	P35
Adapter #2	D-Sub 1920*1080@60Hz	P36 – P37
Adapter #3	D-Sub 1920*1080@60Hz	P38 – P39
Adapter #4	D-Sub 1920*1080@60Hz	P40 – P41
Adapter #5	D-Sub 1920*1080@60Hz	P42 – P43
Adapter #6	D-Sub 1920*1080@60Hz	P44 – P45
Adapter #7	D-Sub 1920*1080@60Hz	P46 – P47
Adapter #8	D-Sub 1920*1080@60Hz	P48 – P49

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

NOTE 2 – Emission Level = Antenna Factor + Cable Loss + Meter Reading.(< 1GHz)

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

NOTE 4 – All readings are Quasi-Peak values below or equal to 1GHz, Peak and Average values above 1GHz.

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

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

NOTE 7 – We tested the EUT with adapter #1 and selected the worst test mode to perform test with adapter #2/#3/#4/#5/#6/#7/#8.

NOTE 8 – The worst case is for D-Sub 1920*1080@60Hz test mode (Adapter #2). The worst emission at horizontal polarization was detected at 75.590 MHz with corrected signal level of 39.00 dB (μV/m) (limit is 40.00 dB (μV/m)), when the antenna was 1.00 m height and the turntable was at 130°. The worst emission at vertical polarization was detected at 77.530 MHz with corrected signal level of 35.53 dB (μV/m) (limit is 40.00 dB (μV/m)), when the antenna was 1.00 m height and the turntable was at 40°.

EUT : LCD Monitor Temperature : 22°C

Model No. : E2342TA Humidity : 60%RH

Serial No. : 112NDTC87993 Date of Test : Jan 10, 2011

Test Mode : D-Sub 1920*1080@60Hz Adapter #1 : ADS-40SG-19-3
19025G

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	140.580	13.12	10.60	2.18	--	25.90	43.50	17.60	QP
	206.540	18.73	10.04	2.45	--	31.22	43.50	12.28	
	288.990	17.72	13.39	2.72	--	33.83	46.00	12.17	
	693.480	12.05	19.43	3.68	--	35.16	46.00	10.84	
	744.890	18.44	20.01	3.78	--	42.23	46.00	3.77	
	809.880	14.50	20.57	3.99	--	39.06	46.00	6.94	
	1075.000	48.88	22.16	5.27	38.04	38.27	74.00	35.73	PK
	1250.000	43.46	24.05	5.42	37.65	35.28	74.00	38.72	
	1365.000	44.43	24.80	5.55	37.33	37.45	74.00	36.55	
	1465.000	39.20	26.11	5.72	37.06	33.97	74.00	40.03	
	1595.000	40.72	26.41	5.93	36.77	36.29	74.00	37.71	
	1760.000	43.18	26.96	6.17	36.49	39.82	74.00	34.18	
	1075.000	40.88	22.16	5.27	38.04	30.27	54.00	23.73	AV
	1250.000	32.46	24.05	5.42	37.65	24.28	54.00	29.72	
	1365.000	30.43	24.80	5.55	37.33	23.45	54.00	30.55	
	1465.000	26.20	26.11	5.72	37.06	20.97	54.00	33.03	
	1595.000	28.72	26.41	5.93	36.77	24.29	54.00	29.71	
	1760.000	29.18	26.96	6.17	36.49	25.82	54.00	28.18	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : E2342TA Humidity : 60%RH

Serial No. : 112NDTC87993 Date of Test : Jan 10, 2011

Test Mode : D-Sub 1920*1080@60Hz Adapter #1 : ADS-40SG-19-3
19025G

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	30.970	13.80	17.78	0.81	--	32.39	40.00	7.61	QP
	67.830	19.61	9.70	1.36	--	30.67	40.00	9.33	
	138.640	24.77	10.65	2.16	--	37.58	43.50	5.92	
	446.130	17.61	16.92	3.11	--	37.64	46.00	8.36	
	744.890	19.96	20.01	3.78	--	43.75	46.00	2.25	
	872.930	16.83	20.37	4.60	--	41.80	46.00	4.20	
	1080.000	43.24	22.24	5.27	38.03	32.72	74.00	41.28	PK
	1275.000	40.65	24.25	5.47	37.57	32.80	74.00	41.20	
	1365.000	40.66	24.80	5.55	37.33	33.68	74.00	40.32	
	1465.000	38.26	26.11	5.72	37.06	33.03	74.00	40.97	
	1600.000	41.52	26.40	5.93	36.76	37.09	74.00	36.91	
	1760.000	43.08	26.96	6.17	36.49	39.72	74.00	34.28	
	1080.000	32.24	22.24	5.27	38.03	21.72	54.00	32.28	AV
	1275.000	29.65	24.25	5.47	37.57	21.80	54.00	32.20	
	1365.000	28.66	24.80	5.55	37.33	21.68	54.00	32.32	
	1465.000	22.26	26.11	5.72	37.06	17.03	54.00	36.97	
	1600.000	29.52	26.40	5.93	36.76	25.09	54.00	28.91	
	1760.000	30.08	26.96	6.17	36.49	26.72	54.00	27.28	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : E2342TA Humidity : 60%RH

Serial No. : 112NDTC87993 Date of Test : Jan 10, 2011

Test Mode : DVI 1920*1080@60Hz Adapter #1 : ADS-40SG-19-3
19025G

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	67.830	17.14	9.70	1.36	28.20	40.00	11.80
	82.380	16.33	10.67	1.63	28.63	40.00	11.37
	199.750	28.35	9.81	2.43	40.59	43.50	2.91
	276.380	23.63	13.02	2.68	39.33	46.00	6.67
	344.280	17.30	14.96	2.86	35.12	46.00	10.88
	872.930	12.84	20.37	4.60	37.81	46.00	8.19
Vertical	30.970	11.42	17.78	0.81	30.01	40.00	9.99
	51.340	19.76	8.58	0.95	29.29	40.00	10.71
	67.830	20.63	9.70	1.36	31.69	40.00	8.31
	116.330	19.33	11.07	2.00	32.40	43.50	11.10
	198.780	23.31	9.81	2.42	35.54	43.50	7.96
	250.190	21.86	11.99	2.61	36.46	46.00	9.54

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : E2342TA Humidity : 60%RH

Serial No. : 112NDTC87993 Date of Test : Jan 10, 2011

Test Mode : D-Sub 1680*1050@60Hz Adapter #1 : ADS-40SG-19-3
19025G

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	25.28	10.27	1.53	37.08	40.00	2.92
	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
Vertical	75.590	23.11	10.27	1.53	34.91	40.00	5.09
	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

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : E2342TA Humidity : 60%RH

Serial No. : 112NDTC87993 Date of Test : Jan 10, 2011

Test Mode : D-Sub 1280*1024@60Hz Adapter #1 : ADS-40SG-19-3
19025G

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	25.26	10.27	1.53	37.06	40.00	2.94
	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
Vertical	31.940	12.28	17.29	0.82	30.39	40.00	9.61
	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

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : E2342TA Humidity : 60%RH

Serial No. : 112NDTC87993 Date of Test : Jan 10, 2011

Test Mode : D-Sub 640*480@60Hz Adapter #1 : ADS-40SG-19-3
19025G

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. : E2342TA Humidity : 60%RH

Serial No. : 112NDTC87993 Date of Test : Jan 10, 2011

Test Mode : D-Sub 1920*1080@60Hz Adapter #2 : 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	75.590	27.20	10.27	1.53	--	39.00	40.00	1.00	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	
	1075.000	55.88	22.16	5.27	38.04	45.27	74.00	28.73	PK
	1250.000	50.46	24.05	5.42	37.65	42.28	74.00	31.72	
	1365.000	51.43	24.80	5.55	37.33	44.45	74.00	29.55	
	1465.000	46.20	26.11	5.72	37.06	40.97	74.00	33.03	
	1595.000	47.72	26.41	5.93	36.77	43.29	74.00	30.71	
	1760.000	50.18	26.96	6.17	36.49	46.82	74.00	27.18	
	1075.000	44.88	22.16	5.27	38.04	34.27	54.00	19.73	AV
	1250.000	35.46	24.05	5.42	37.65	27.28	54.00	26.72	
	1365.000	38.43	24.80	5.55	37.33	31.45	54.00	22.55	
	1465.000	35.20	26.11	5.72	37.06	29.97	54.00	24.03	
	1595.000	38.72	26.41	5.93	36.77	34.29	54.00	19.71	
	1760.000	36.18	26.96	6.17	36.49	32.82	54.00	21.18	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : E2342TA Humidity : 60%RH

Serial No. : 112NDTC87993 Date of Test : Jan 10, 2011

Test Mode : D-Sub 1920*1080@60Hz Adapter #2 : 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
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	
	1080.000	46.24	22.24	5.27	38.03	35.72	74.00	38.28	PK
	1170.000	44.47	23.38	5.34	37.83	35.36	74.00	38.64	
	1315.000	46.87	24.50	5.51	37.48	39.40	74.00	34.60	
	1465.000	41.26	26.11	5.72	37.06	36.03	74.00	37.97	
	1600.000	44.52	26.40	5.93	36.76	40.09	74.00	33.91	
	1760.000	46.08	26.96	6.17	36.49	42.72	74.00	31.28	
	1080.000	37.24	22.24	5.27	38.03	26.72	54.00	27.28	AV
	1170.000	29.47	23.38	5.34	37.83	20.36	54.00	33.64	
	1315.000	35.87	24.50	5.51	37.48	28.40	54.00	25.60	
	1465.000	27.26	26.11	5.72	37.06	22.03	54.00	31.97	
	1600.000	33.52	26.40	5.93	36.76	29.09	54.00	24.91	
	1760.000	30.08	26.96	6.17	36.49	26.72	54.00	27.28	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : E2342TA Humidity : 60%RH

Serial No. : 112NDTC87993 Date of Test : Jan 10, 2011

Test Mode : D-Sub 1920*1080@60Hz Adapter #3 : LCAP21

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	26.47	10.27	1.53	--	38.27	40.00	1.73	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	
	1075.000	52.88	22.16	5.27	38.04	42.27	74.00	31.73	PK
	1250.000	47.46	24.05	5.42	37.65	39.28	74.00	34.72	
	1365.000	48.43	24.80	5.55	37.33	41.45	74.00	32.55	
	1465.000	43.20	26.11	5.72	37.06	37.97	74.00	36.03	
	1595.000	44.72	26.41	5.93	36.77	40.29	74.00	33.71	
	1760.000	41.18	26.96	6.17	36.49	37.82	74.00	36.18	
	1075.000	41.88	22.16	5.27	38.04	31.27	54.00	22.73	AV
	1250.000	29.46	24.05	5.42	37.65	21.28	54.00	32.72	
	1365.000	36.43	24.80	5.55	37.33	29.45	54.00	24.55	
	1465.000	30.20	26.11	5.72	37.06	24.97	54.00	29.03	
	1595.000	35.72	26.41	5.93	36.77	31.29	54.00	22.71	
	1760.000	31.18	26.96	6.17	36.49	27.82	54.00	26.18	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : E2342TA Humidity : 60%RH

Serial No. : 112NDTC87993 Date of Test : Jan 10, 2011

Test Mode : D-Sub 1920*1080@60Hz Adapter #3 : LCAP21

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	
	1080.000	44.24	22.24	5.27	38.03	33.72	74.00	40.28	PK
	1170.000	32.47	23.38	5.34	37.83	33.36	74.00	40.64	
	1315.000	30.87	24.50	5.51	37.48	37.40	74.00	36.60	
	1465.000	24.26	26.11	5.72	37.06	34.03	74.00	39.97	
	1600.000	42.52	26.40	5.93	36.76	38.09	74.00	35.91	
	1760.000	44.08	26.96	6.17	36.49	40.72	74.00	33.28	
	1080.000	34.24	22.24	5.27	38.03	23.72	54.00	30.28	AV
	1170.000	42.47	23.38	5.34	37.83	23.36	54.00	30.64	
	1315.000	44.87	24.50	5.51	37.48	23.40	54.00	30.60	
	1465.000	39.26	26.11	5.72	37.06	19.03	54.00	34.97	
	1600.000	22.52	26.40	5.93	36.76	18.09	54.00	35.91	
	1760.000	34.08	26.96	6.17	36.49	30.72	54.00	23.28	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : E2342TA Humidity : 60%RH

Serial No. : 112NDTC87993 Date of Test : Jan 10, 2011

Test Mode : D-Sub 1920*1080@60Hz Adapter #4 : 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	
	1075.000	50.88	22.16	5.27	38.04	40.27	74.00	33.73	PK
	1180.000	31.35	23.49	5.34	37.81	35.37	74.00	38.63	
	1250.000	28.46	24.05	5.42	37.65	37.28	74.00	36.72	
	1365.000	46.43	24.80	5.55	37.33	39.45	74.00	34.55	
	1595.000	42.72	26.41	5.93	36.77	38.29	74.00	35.71	
	1760.000	45.18	26.96	6.17	36.49	41.82	74.00	32.18	
	1075.000	37.88	22.16	5.27	38.04	27.27	54.00	26.73	AV
	1180.000	44.35	23.49	5.34	37.81	22.37	54.00	31.63	
	1250.000	45.46	24.05	5.42	37.65	20.28	54.00	33.72	
	1365.000	33.43	24.80	5.55	37.33	26.45	54.00	27.55	
	1595.000	32.72	26.41	5.93	36.77	28.29	54.00	25.71	
	1760.000	31.18	26.96	6.17	36.49	27.82	54.00	26.18	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : E2342TA Humidity : 60%RH

Serial No. : 112NDTC87993 Date of Test : Jan 10, 2011

Test Mode : D-Sub 1920*1080@60Hz Adapter #4 : 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	
	1080.000	49.01	22.24	4.50	38.03	37.72	74.00	36.28	PK
	1275.000	46.59	24.25	4.53	37.57	37.80	74.00	36.20	
	1365.000	46.67	24.80	4.54	37.33	38.68	74.00	35.32	
	1600.000	47.89	26.40	4.56	36.76	42.09	74.00	31.91	
	1760.000	49.67	26.96	4.58	36.49	44.72	74.00	29.28	
	1850.000	43.62	26.52	4.64	36.37	38.41	74.00	35.59	
	1080.000	40.01	22.24	4.50	38.03	28.72	54.00	25.28	AV
	1275.000	31.59	24.25	4.53	37.57	22.80	54.00	31.20	
	1365.000	33.67	24.80	4.54	37.33	25.68	54.00	28.32	
	1600.000	35.89	26.40	4.56	36.76	30.09	54.00	23.91	
	1760.000	36.67	26.96	4.58	36.49	31.72	54.00	22.28	
	1850.000	29.62	26.52	4.64	36.37	24.41	54.00	29.59	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : E2342TA Humidity : 60%RH

Serial No. : 112NDTC87993 Date of Test : Jan 10, 2011

Test Mode : D-Sub 1920*1080@60Hz Adapter #5 : 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	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	26.18	14.34	2.82	--	43.34	46.00	2.66	
	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	
	1075.000	55.88	22.16	5.27	38.04	45.27	74.00	28.73	PK
	1250.000	50.46	24.05	5.42	37.65	42.28	74.00	31.72	
	1365.000	51.43	24.80	5.55	37.33	44.45	74.00	29.55	
	1465.000	46.20	26.11	5.72	37.06	40.97	74.00	33.03	
	1595.000	47.72	26.41	5.93	36.77	43.29	74.00	30.71	
	1760.000	50.18	26.96	6.17	36.49	46.82	74.00	27.18	
	1075.000	40.88	22.16	5.27	38.04	30.27	54.00	23.73	AV
	1250.000	32.46	24.05	5.42	37.65	24.28	54.00	29.72	
	1365.000	35.43	24.80	5.55	37.33	28.45	54.00	25.55	
	1465.000	33.20	26.11	5.72	37.06	27.97	54.00	26.03	
	1595.000	30.72	26.41	5.93	36.77	26.29	54.00	27.71	
	1760.000	30.18	26.96	6.17	36.49	26.82	54.00	27.18	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : E2342TA Humidity : 60%RH

Serial No. : 112NDTC87993 Date of Test : Jan 10, 2011

Test Mode : D-Sub 1920*1080@60Hz Adapter #5 : 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	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	
	1080.000	52.01	22.24	4.50	38.03	40.72	74.00	33.28	PK
	1170.000	38.30	23.38	4.51	37.83	40.36	74.00	33.64	
	1315.000	39.85	24.50	4.53	37.48	44.40	74.00	29.60	
	1465.000	47.43	26.11	4.55	37.06	41.03	74.00	32.97	
	1600.000	50.89	26.40	4.56	36.76	45.09	74.00	28.91	
	1760.000	52.67	26.96	4.58	36.49	47.72	74.00	26.28	
	1080.000	42.01	22.24	4.50	38.03	30.72	54.00	23.28	AV
	1170.000	50.30	23.38	4.51	37.83	28.36	54.00	25.64	
	1315.000	52.85	24.50	4.53	37.48	31.40	54.00	22.60	
	1465.000	34.43	26.11	4.55	37.06	28.03	54.00	25.97	
	1600.000	42.89	26.40	4.56	36.76	37.09	54.00	16.91	
	1760.000	37.67	26.96	4.58	36.49	32.72	54.00	21.28	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : E2342TA Humidity : 60%RH

Serial No. : 112NDTC87993 Date of Test : Jan 10, 2011

Test Mode : D-Sub 1920*1080@60Hz Adapter #6 : LCAP26-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	75.590	24.94	10.27	1.53	--	36.74	40.00	3.26	QP
	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	
	1075.000	52.88	22.16	5.27	38.04	42.27	74.00	31.73	PK
	1250.000	47.46	24.05	5.42	37.65	39.28	74.00	34.72	
	1365.000	48.43	24.80	5.55	37.33	41.45	74.00	32.55	
	1465.000	43.20	26.11	5.72	37.06	37.97	74.00	36.03	
	1595.000	44.72	26.41	5.93	36.77	40.29	74.00	33.71	
	1760.000	47.18	26.96	6.17	36.49	43.82	74.00	30.18	
	1075.000	37.88	22.16	5.27	38.04	27.27	54.00	26.73	AV
	1250.000	34.46	24.05	5.42	37.65	26.28	54.00	27.72	
	1365.000	34.43	24.80	5.55	37.33	27.45	54.00	26.55	
	1465.000	32.20	26.11	5.72	37.06	26.97	54.00	27.03	
	1595.000	34.72	26.41	5.93	36.77	30.29	54.00	23.71	
	1760.000	35.18	26.96	6.17	36.49	31.82	54.00	22.18	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : E2342TA Humidity : 60%RH

Serial No. : 112NDTC87993 Date of Test : Jan 10, 2011

Test Mode : D-Sub 1920*1080@60Hz Adapter #6 : LCAP26-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	75.590	24.11	10.27	1.53	--	35.91	40.00	4.09	QP
	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	
	1080.000	50.01	22.24	4.50	38.03	38.72	74.00	35.28	PK
	1275.000	47.59	24.25	4.53	37.57	38.80	74.00	35.20	
	1365.000	47.67	24.80	4.54	37.33	39.68	74.00	34.32	
	1465.000	45.43	26.11	4.55	37.06	39.03	74.00	34.97	
	1600.000	48.89	26.40	4.56	36.76	43.09	74.00	30.91	
	1760.000	50.67	26.96	4.58	36.49	45.72	74.00	28.28	
	1080.000	41.01	22.24	4.50	38.03	29.72	54.00	24.28	AV
	1275.000	32.59	24.25	4.53	37.57	23.80	54.00	30.20	
	1365.000	35.67	24.80	4.54	37.33	27.68	54.00	26.32	
	1465.000	32.43	26.11	4.55	37.06	26.03	54.00	27.97	
	1600.000	37.89	26.40	4.56	36.76	32.09	54.00	21.91	
	1760.000	35.67	26.96	4.58	36.49	30.72	54.00	23.28	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : E2342TA Humidity : 60%RH

Serial No. : 112NDTC87993 Date of Test : Jan 10, 2011

Test Mode : D-Sub 1920*1080@60Hz Adapter #7 : 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	70.740	15.85	9.93	1.43	--	27.21	40.00	12.79	QP
	208.480	27.16	10.15	2.46	--	39.77	43.50	3.73	
	288.990	20.74	13.39	2.72	--	36.85	46.00	9.15	
	446.130	23.90	16.92	3.11	--	43.93	46.00	2.07	
	567.380	10.45	18.02	3.40	--	31.87	46.00	14.13	
	741.980	12.70	19.98	3.78	--	36.46	46.00	9.54	
	1075.000	57.88	22.16	5.27	38.04	47.27	74.00	26.73	PK
	1180.000	39.35	23.49	5.34	37.81	42.37	74.00	31.63	
	1250.000	39.46	24.05	5.42	37.65	44.28	74.00	29.72	
	1365.000	53.43	24.80	5.55	37.33	46.45	74.00	27.55	
	1465.000	48.20	26.11	5.72	37.06	42.97	74.00	31.03	
	1595.000	49.72	26.41	5.93	36.77	45.29	74.00	28.71	
	1075.000	42.88	22.16	5.27	38.04	32.27	54.00	21.73	AV
	1180.000	51.35	23.49	5.34	37.81	30.37	54.00	23.63	
	1250.000	52.46	24.05	5.42	37.65	31.28	54.00	22.72	
	1365.000	39.43	24.80	5.55	37.33	32.45	54.00	21.55	
	1465.000	38.20	26.11	5.72	37.06	32.97	54.00	21.03	
	1595.000	34.72	26.41	5.93	36.77	30.29	54.00	23.71	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : E2342TA Humidity : 60%RH

Serial No. : 112NDTC87993 Date of Test : Jan 10, 2011

Test Mode : D-Sub 1920*1080@60Hz Adapter #7 : 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
Vertical	61.040	24.89	9.21	1.21	--	35.31	40.00	4.69	QP
	81.410	19.91	10.62	1.61	--	32.14	40.00	7.86	
	213.330	23.95	10.33	2.47	--	36.75	43.50	6.75	
	353.980	18.44	15.25	2.89	--	36.58	46.00	9.42	
	594.540	21.53	18.17	3.45	--	43.15	46.00	2.85	
	741.980	19.94	19.98	3.78	--	43.70	46.00	2.30	
	1080.000	55.01	22.24	4.50	38.03	43.72	74.00	30.28	PK
	1170.000	52.30	23.38	4.51	37.83	42.36	74.00	31.64	
	1315.000	54.85	24.50	4.53	37.48	46.40	74.00	27.60	
	1465.000	49.43	26.11	4.55	37.06	43.03	74.00	30.97	
	1600.000	52.89	26.40	4.56	36.76	47.09	74.00	26.91	
	1670.000	51.13	26.62	4.57	36.63	45.69	74.00	28.31	
	1080.000	42.01	22.24	4.50	38.03	30.72	54.00	23.28	AV
	1170.000	39.30	23.38	4.51	37.83	29.36	54.00	24.64	
	1315.000	43.85	24.50	4.53	37.48	35.40	54.00	18.60	
	1465.000	38.43	26.11	4.55	37.06	32.03	54.00	21.97	
	1600.000	43.89	26.40	4.56	36.76	38.09	54.00	15.91	
	1670.000	35.13	26.62	4.57	36.63	29.69	54.00	24.31	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : E2342TA Humidity : 60%RH

Serial No. : 112NDTC87993 Date of Test : Jan 10, 2011

Test Mode : D-Sub 1920*1080@60Hz Adapter #8 : ADS-40FSG-19
19025GPCU-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	213.330	27.58	10.33	2.47	--	40.38	43.50	3.12	QP
	288.990	23.19	13.39	2.72	--	39.30	46.00	6.70	
	315.180	19.88	14.12	2.79	--	36.79	46.00	9.21	
	353.980	17.95	15.25	2.89	--	36.09	46.00	9.91	
	594.540	14.47	18.17	3.45	--	36.09	46.00	9.91	
	890.390	12.31	20.33	4.89	--	37.53	46.00	8.47	
	1075.000	52.88	22.16	5.27	38.04	42.27	74.00	31.73	PK
	1180.000	46.35	23.49	5.34	37.81	37.37	74.00	36.63	
	1365.000	48.43	24.80	5.55	37.33	41.45	74.00	32.55	
	1465.000	43.20	26.11	5.72	37.06	37.97	74.00	36.03	
	1595.000	44.72	26.41	5.93	36.77	40.29	74.00	33.71	
	1760.000	47.18	26.96	6.17	36.49	43.82	74.00	30.18	
	1075.000	42.88	22.16	5.27	38.04	32.27	54.00	21.73	AV
	1180.000	32.35	23.49	5.34	37.81	23.37	54.00	30.63	
	1365.000	37.43	24.80	5.55	37.33	30.45	54.00	23.55	
	1465.000	32.20	26.11	5.72	37.06	26.97	54.00	27.03	
	1595.000	36.72	26.41	5.93	36.77	32.29	54.00	21.71	
	1760.000	35.18	26.96	6.17	36.49	31.82	54.00	22.18	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : E2342TA Humidity : 60%RH

Serial No. : 112NDTC87993 Date of Test : Jan 10, 2011

Test Mode : D-Sub 1920*1080@60Hz Adapter #8 : ADS-40FSG-19
19025GPCU-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
Vertical	65.890	21.28	9.55	1.32	--	32.15	40.00	7.85	QP
	82.380	19.07	10.67	1.63	--	31.37	40.00	8.63	
	184.230	18.76	9.95	2.37	--	31.08	43.50	12.42	
	322.940	15.72	14.34	2.82	--	32.88	46.00	13.12	
	446.130	20.89	16.92	3.11	--	40.92	46.00	5.08	
	741.980	16.45	19.98	3.78	--	40.21	46.00	5.79	
	1080.000	54.01	22.24	4.50	38.03	42.72	74.00	31.28	PK
	1185.000	51.32	23.54	4.51	37.80	41.57	74.00	32.43	
	1315.000	54.85	24.50	4.53	37.48	46.40	74.00	27.60	
	1520.000	47.77	26.55	4.55	36.92	41.95	74.00	32.05	
	1600.000	52.89	26.40	4.56	36.76	47.09	74.00	26.91	
	1850.000	48.62	26.52	4.64	36.37	43.41	74.00	30.59	
	1080.000	43.01	22.24	4.50	38.03	31.72	54.00	22.28	AV
	1185.000	36.32	23.54	4.51	37.80	26.57	54.00	27.43	
	1315.000	42.85	24.50	4.53	37.48	34.40	54.00	19.60	
	1520.000	34.77	26.55	4.55	36.92	28.95	54.00	25.05	
	1600.000	42.89	26.40	4.56	36.76	37.09	54.00	16.91	
	1850.000	34.62	26.52	4.64	36.37	29.41	54.00	24.59	

TEST ENGINEER: RAVEN JIN

5 DEVIATION TO TEST SPECIFICATIONS

None.