

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

LCD Monitor

Model No.: D2342PY

Serial No.: E20110215-03-01/02

FCC ID : BEJD2342PY

Prepared For : LG Electronics U.S.A., Inc.
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Report No. : ACI-F11027
Date of Test : Feb 15 - Mar 12, 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. : D2342PY
(B) Serial No. : E20110215-03-01/02
(C) Power Supply : 120V/60Hz

Test Procedure Used:

*FCC RULES AND REGULATIONS PART 15 SUBPART B CLASS B OCTOBER 2009
AND ANSI C63.4-2003*

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

The test results are contained in this test report and Audix Technology (Shanghai) Co., Ltd. is assumed full responsibility for the accuracy and completeness of these measurements. This report shows that the EUT (M/N: D2342PY; S/N: E20110215-03-01/02) which was tested in 3m anechoic chamber Feb 15 - Mar 12, 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 : Feb 15 - Mar 07, 2011 Date of Report : Mar 08, 2011

Producer : Alan He
ALAN HE / Assistant

Review : DIO YANG
DIO YANG / Deputy Assistant Manager

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

Signatory : Byron Kwo
Authorized Signature EMC BYRON KWO / Manager

1 SUMMARY OF STANDARDS AND RESULTS

1.1 Description of Standards and Results

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

Description of Test Item	Standard	Limits	Results
EMISSION			
Conducted Disturbance at the Mains Terminal	FCC RULES AND REGULATIONS PART 15 SUBPART B OCTOBER 2009 AND ANSI C63.4-2003	15.107(a) Class B	Pass
Radiated Disturbance	FCC RULES AND REGULATIONS PART 15 SUBPART B OCTOBER 2009 AND ANSI C63.4-2003	15.109(a) Class B	Pass

2 GENERAL INFORMATION

2.1 Description of Equipment Under Test

Description	: LCD Monitor
Type of EUT	: ☒ Production ☐ Pre-product ☐ Pro-type
Model No.	: D2342PY
Serial No.	: E20110215-03-01/02
Real Power	: 39.40W
Applicant	: LG Electronics U.S.A., Inc. 1000 Sylvan Avenue, Englewood Cliffs, NJ 07632, United States
Manufacturer	: LG Electronics Nanjing Display Co., Ltd. No.346, Yao Xin Road, Economic & Technical Development Zone, Nanjing, China
LCD Panel	: Manufacturer: LG M/N : LM230WF8 (TL) (A1)
Max Resolution	: 1920*1080@60Hz
D-Sub Cable #1	: Shielded, Detachable, 1.50m, with two cores on cable
D-Sub Cable #2	: Shielded, Detachable, 1.50m, with two cores in connector
DVI Cable #1	: Shielded, Detachable, 1.50m, with two cores on cable
DVI Cable #2	: Shielded, Detachable, 1.50m, with two cores in connector
HDMI Cable	: Shielded, Detachable, 1.00m, without core
Power Cord	: Unshielded, Detachable, 1.50m
Note	: After evaluation, the D-Sub cable#1 and DVI cable#1 were used in the test for they will cause the maximum emission.

Remark:

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

- | | |
|-----------------------|---------------------------|
| (1) One D-Sub Port | : Connected with PC |
| (2) One DVI Port | : Connected with PC |
| (3) One Earphone Port | : Connected with Earphone |
| (4) One HDMI Port | : Connected with DVD / PC |
| (5) One AC In Port | : Connected with Power |

2.2 Peripherals

2.2.1 PC

Manufacturer	:	HP
Model Number	:	dx7400MT
Serial Number	:	CNG8130K89
Power Cord	:	Unshielded, Detachable, 1.8m
Certificate	:	FCC DoC; CE/EMC; VCCI; C-Tick; UL BSMI (R33001) 3C (A000111) MIC (E-A011-04-2659(B))

2.2.2 Printer

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

2.2.3 Keyboard

Manufacturer	:	Microsoft
Model Number	:	KU-0459
Serial Number	:	7691402450604
Data Cable	:	Shielded, Undetachable, 1.8m
Certificate	:	CE/EMC, FCC DoC, VCCI, MIC, C-Tick, BSMI

2.2.4 Mouse

Manufacturer	:	DELL
Model Number	:	MO56UO
Serial Number	:	443048231
Data Cable	:	Shielded, Undetachable, 1.8m.
Certificate	:	CE/EMC, FCC DoC, VCCI, MIC, C-Tick, BSMI

2.2.5 Modem

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

2.2.6 DVD

Manufacturer : PHILIPS
Model Number : DVP3986K/93
Serial Number : KX1A0902120108
Data Cable : Unshielded, Detachable, 1.8m

2.2.7 Earphone

Manufacturer : SONY
Model Number : MDR-E808
Serial Number : 1808030805305506

2.3 Description of Test Facility

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

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

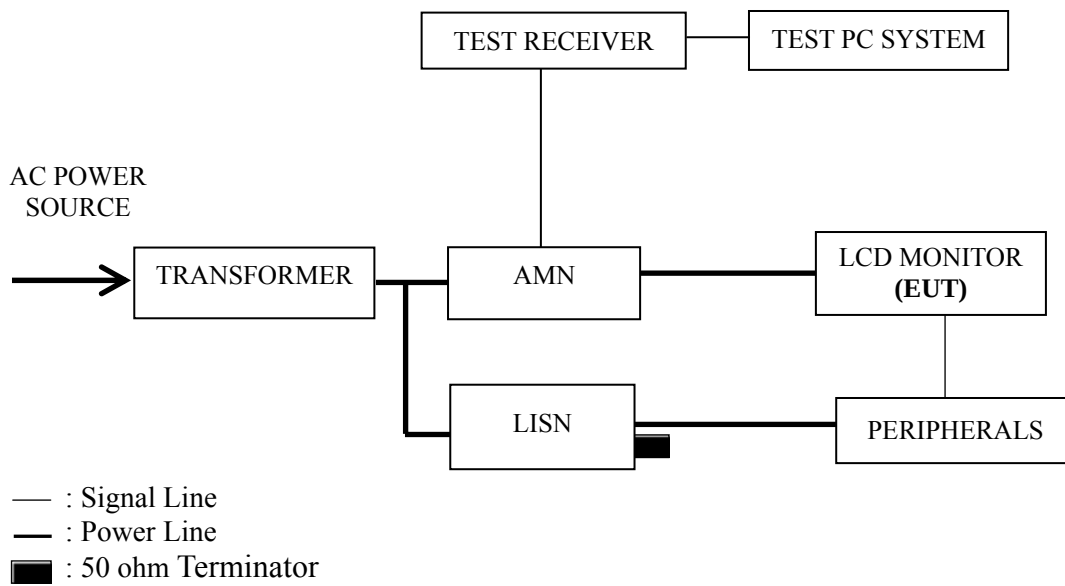
Site Location : 3F 34Bldg 680 Guiping Rd,
Caohejing Hi-Tech Park,
Shanghai 200233, China

NVLAP Lab Code : 200371-0

2.4 Measurement Uncertainty

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

3.2.2 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, the EUT’s screen displayed and filled with “H” pattern by its resolution (Via D-Sub & DVI Input).

3.5.5 In HDMI mode, the EUT connected to DVD through HDMI port.

3.5.6 Repeat above procedure from 3.5.3 to 3.5.5 for difference test mode.

3.5.7 The other peripherals devices were driven and operated during the test.

3.5.8 The test modes are as follows:

Test Mode
D-Sub 640*480@60Hz
D-Sub 1280*1024@60Hz
D-Sub 1680*1050@60Hz
D-Sub 1920*1080@60Hz
DVI 640*480@60Hz
DVI 1280*1024@60Hz
DVI 1680*1050@60Hz
DVI 1920*1080@60Hz
HDMI 480i
HDMI 720p
HDMI 1080p
HDMI PC Mode (see 3.7 and 4.7 NOTE2)

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.

Test Mode	Page
D-Sub 640*480@60Hz	P12
D-Sub 1280*1024@60Hz	P13
D-Sub 1680*1050@60Hz	P14
D-Sub 1920*1080@60Hz	P15
DVI 640*480@60Hz	P16
DVI 1280*1024@60Hz	P17
DVI 1680*1050@60Hz	P18
DVI 1920*1080@60Hz	P19
HDMI 480i	P20
HDMI 720p	P21
HDMI 1080p	P22
HDMI 1920*1080@60Hz	P23

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

NOTE 2 – We selected the worst resolution mode to perform the HDMI connected PC mode.

NOTE 3 – Factor = Cable Loss + AMN Factor.

NOTE 4 – Emission Level = Meter Reading + Factor.

NOTE 5 – “QP” means “Quasi-Peak” values, “AV” means “Average” values.

NOTE 6 – The worst case is for D-Sub 1920*1080@60Hz test mode. The worst emission is detected at 0.200 MHz (Average Value) with corrected signal level of 41.53 dB (μV) (limit is 53.62 dB (μV)), when the Neutral of the EUT is connected to AMN.

EUT : LCD Monitor Temperature : 22°C

Model No. : D2342PY Humidity : 48%RH

Serial No. : E20110215-03-01/02 Date of Test : Feb 15, 2011

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

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.192	50.66	0.38	51.04	63.93	12.89	QP
	0.256	43.43	0.42	43.85	61.56	17.71	
	0.325	39.07	0.45	39.52	59.57	20.05	
	0.402	37.14	0.48	37.62	57.81	20.19	
	4.407	38.85	0.77	39.62	56.00	16.38	
	23.636	41.93	1.76	43.69	60.00	16.31	
	0.192	38.80	0.38	39.18	53.93	14.75	AV
	0.256	31.60	0.42	32.02	51.56	19.54	
	0.325	26.84	0.45	27.29	49.57	22.28	
	0.402	25.30	0.48	25.78	47.81	22.03	
	4.407	26.49	0.77	27.26	46.00	18.74	
	23.636	29.75	1.76	31.51	50.00	18.49	
Neutral	0.199	50.91	0.30	51.21	63.67	12.46	QP
	0.267	44.17	0.36	44.53	61.20	16.67	
	0.329	38.67	0.40	39.07	59.49	20.42	
	0.406	36.04	0.44	36.48	57.73	21.25	
	4.501	32.12	0.72	32.84	56.00	23.16	
	23.387	39.69	1.84	41.53	60.00	18.47	
	0.199	39.76	0.30	40.06	53.67	13.61	AV
	0.267	31.96	0.36	32.32	51.20	18.88	
	0.329	26.43	0.40	26.83	49.49	22.66	
	0.406	23.86	0.44	24.30	47.73	23.43	
	4.501	20.30	0.72	21.02	46.00	24.98	
	23.387	27.46	1.84	29.30	50.00	20.70	

TEST ENGINEER: WENCY YANG

EUT : LCD Monitor Temperature : 22°C

Model No. : D2342PY Humidity : 48%RH

Serial No. : E20110215-03-01/02 Date of Test : Feb 15, 2011

Test Mode : D-Sub 1280*1024@60Hz

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.192	50.33	0.38	50.71	63.93	13.22	QP
	0.253	41.47	0.42	41.89	61.64	19.75	
	0.320	37.29	0.45	37.74	59.71	21.97	
	0.406	35.29	0.48	35.77	57.73	21.96	
	1.032	38.96	0.54	39.50	56.00	16.50	
	24.529	38.91	1.79	40.70	60.00	19.30	
	0.192	40.23	0.38	40.61	53.93	13.32	AV
	0.253	30.25	0.42	30.67	51.64	20.97	
	0.320	23.15	0.45	23.60	49.71	26.11	
	0.406	25.36	0.48	25.84	47.73	21.89	
	1.032	28.35	0.54	28.89	46.00	17.11	
	24.529	28.56	1.79	30.35	50.00	19.65	
Neutral	0.202	50.71	0.30	51.01	63.54	12.53	QP
	0.264	41.96	0.36	42.32	61.29	18.97	
	0.322	37.11	0.40	37.51	59.66	22.15	
	0.406	35.95	0.44	36.39	57.73	21.34	
	4.501	34.13	0.72	34.85	56.00	21.15	
	22.655	39.89	1.83	41.72	60.00	18.28	
	0.202	40.25	0.30	40.55	53.54	12.99	AV
	0.264	31.25	0.36	31.61	51.29	19.68	
	0.322	27.54	0.40	27.94	49.66	21.72	
	0.406	25.64	0.44	26.08	47.73	21.65	
	4.501	24.51	0.72	25.23	46.00	20.77	
	22.655	24.14	1.83	25.97	50.00	24.03	

TEST ENGINEER: WENCY YANG

EUT : LCD Monitor Temperature : 22°C

Model No. : D2342PY Humidity : 48%RH

Serial No. : E20110215-03-01/02 Date of Test : Feb 22 2011

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

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.192	51.34	0.38	51.72	63.93	12.21	QP
	0.270	42.86	0.43	43.29	61.12	17.83	
	0.325	38.19	0.45	38.64	59.57	20.93	
	0.406	35.92	0.48	36.40	57.73	21.33	
	4.501	35.80	0.78	36.58	56.00	19.42	
	23.387	39.24	1.74	40.98	60.00	19.02	
	0.192	38.97	0.38	39.35	53.93	14.58	AV
	0.270	30.69	0.43	31.12	51.12	20.00	
	0.325	25.46	0.45	25.91	49.57	23.66	
	0.406	23.64	0.48	24.12	47.73	23.61	
	4.501	23.46	0.78	24.24	46.00	21.76	
	23.387	26.87	1.74	28.61	50.00	21.39	
Neutral	0.200	50.71	0.30	51.01	63.62	12.61	QP
	0.259	43.41	0.35	43.76	61.47	17.71	
	0.320	38.20	0.40	38.60	59.71	21.11	
	0.402	36.37	0.44	36.81	57.81	21.00	
	4.361	32.64	0.72	33.36	56.00	22.64	
	23.888	39.34	1.85	41.19	60.00	18.81	
	0.200	39.55	0.30	39.85	53.62	13.77	AV
	0.259	31.65	0.35	32.00	51.47	19.47	
	0.320	26.43	0.40	26.83	49.71	22.88	
	0.402	24.53	0.44	24.97	47.81	22.84	
	4.361	20.48	0.72	21.20	46.00	24.80	
	23.888	27.61	1.85	29.46	50.00	20.54	

TEST ENGINEER: WENCY YANG

EUT : LCD Monitor Temperature : 22°C

Model No. : D2342PY Humidity : 48%RH

Serial No. : E20110215-03-01/02 Date of Test : Feb 15, 2011

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

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.192	51.02	0.38	51.40	63.93	12.53	QP
	0.264	42.48	0.43	42.91	61.29	18.38	
	0.320	37.88	0.45	38.33	59.71	21.38	
	0.406	35.72	0.48	36.20	57.73	21.53	
	4.501	35.68	0.78	36.46	56.00	19.54	
	23.387	38.90	1.74	40.64	60.00	19.36	
	0.192	41.23	0.38	41.61	53.93	12.32	AV
	0.264	31.25	0.43	31.68	51.29	19.61	
	0.320	27.14	0.45	27.59	49.71	22.12	
	0.406	25.36	0.48	25.84	47.73	21.89	
	4.501	25.36	0.78	26.14	46.00	19.86	
	23.387	28.46	1.74	30.20	50.00	19.80	
Neutral	0.200	51.18	0.30	51.48	63.62	12.14	QP
	0.262	41.73	0.35	42.08	61.38	19.30	
	0.325	38.67	0.40	39.07	59.57	20.50	
	0.406	35.84	0.44	36.28	57.73	21.45	
	4.202	31.67	0.71	32.38	56.00	23.62	
	23.888	38.98	1.85	40.83	60.00	19.17	
	0.200	41.23	0.30	41.53	53.62	12.09	AV
	0.262	31.26	0.35	31.61	51.38	19.77	
	0.325	28.54	0.40	28.94	49.57	20.63	
	0.406	25.24	0.44	25.68	47.73	22.05	
	4.202	21.60	0.71	22.31	46.00	23.69	
	23.888	28.54	1.85	30.39	50.00	19.61	

TEST ENGINEER: WENCY YANG

EUT : LCD Monitor Temperature : 22°C

Model No. : D2342PY Humidity : 48%RH

Serial No. : E20110215-03-01/02 Date of Test : Feb 15, 2011

Test Mode : DVI 640*480@60Hz

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.190	46.19	0.38	46.57	64.02	17.45	QP
	0.256	38.18	0.42	38.60	61.56	22.96	
	0.332	35.19	0.45	35.64	59.40	23.76	
	0.408	33.36	0.48	33.84	57.68	23.84	
	4.501	36.03	0.78	36.81	56.00	19.19	
	25.321	37.71	1.80	39.51	60.00	20.49	
	0.190	36.25	0.38	36.63	54.02	17.39	AV
	0.256	28.12	0.42	28.54	51.56	23.02	
	0.332	25.37	0.45	25.82	49.40	23.58	
	0.408	23.16	0.48	23.64	47.68	24.04	
	4.501	26.35	0.78	27.13	46.00	18.87	
	25.321	27.13	1.80	28.93	50.00	21.07	
Neutral	0.204	47.18	0.31	47.49	63.45	15.96	QP
	0.256	38.07	0.35	38.42	61.56	23.14	
	0.329	34.46	0.40	34.86	59.49	24.63	
	0.408	35.18	0.44	35.62	57.68	22.06	
	4.361	32.69	0.72	33.41	56.00	22.59	
	23.387	39.03	1.84	40.87	60.00	19.13	
	0.204	37.58	0.31	37.89	53.45	15.56	AV
	0.256	28.15	0.35	28.50	51.56	23.06	
	0.329	24.15	0.40	24.55	49.49	24.94	
	0.408	25.63	0.44	26.07	47.68	21.61	
	4.361	22.33	0.72	23.05	46.00	22.95	
	23.387	28.15	1.84	29.99	50.00	20.01	

TEST ENGINEER: WENCY YANG

EUT : LCD Monitor Temperature : 22°C

Model No. : D2342PY Humidity : 48%RH

Serial No. : E20110215-03-01/02 Date of Test : Feb 15, 2011

Test Mode : DVI 1280*1024@60Hz

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.192	50.47	0.38	50.85	63.93	13.08	QP
	0.256	40.99	0.42	41.41	61.56	20.15	
	0.336	37.39	0.45	37.84	59.31	21.47	
	0.406	35.82	0.48	36.30	57.73	21.43	
	4.407	33.74	0.77	34.51	56.00	21.49	
	22.896	38.55	1.73	40.28	60.00	19.72	
	0.192	40.23	0.38	40.61	53.93	13.32	AV
	0.256	30.25	0.42	30.67	51.56	20.89	
	0.336	27.16	0.45	27.61	49.31	21.70	
	0.406	25.36	0.48	25.84	47.73	21.89	
	4.407	23.15	0.77	23.92	46.00	22.08	
	22.896	28.45	1.73	30.18	50.00	19.82	
Neutral	0.202	50.71	0.30	51.01	63.54	12.53	QP
	0.256	41.69	0.35	42.04	61.56	19.52	
	0.320	36.67	0.40	37.07	59.71	22.64	
	0.406	35.98	0.44	36.42	57.73	21.31	
	4.361	32.91	0.72	33.63	56.00	22.37	
	23.140	39.24	1.83	41.07	60.00	18.93	
	0.202	40.23	0.30	40.53	53.54	13.01	AV
	0.256	31.25	0.35	31.60	51.56	19.96	
	0.320	26.35	0.40	26.75	49.71	22.96	
	0.406	25.34	0.44	25.78	47.73	21.95	
	4.361	22.33	0.72	23.05	46.00	22.95	
	23.140	28.15	1.83	29.98	50.00	20.02	

TEST ENGINEER: WENCY YANG

EUT : LCD Monitor Temperature : 22°C

Model No. : D2342PY Humidity : 48%RH

Serial No. : E20110215-03-01/02 Date of Test : Feb 15, 2011

Test Mode : DVI 1680*1050@60Hz

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.190	46.34	0.38	46.72	64.02	17.30	QP
	0.270	38.04	0.43	38.47	61.12	22.65	
	0.329	33.73	0.45	34.18	59.49	25.31	
	0.406	33.10	0.48	33.58	57.73	24.15	
	4.501	35.76	0.78	36.54	56.00	19.46	
	22.063	38.08	1.70	39.78	60.00	20.22	
	0.190	36.25	0.38	36.63	54.02	17.39	AV
	0.270	28.54	0.43	28.97	51.12	22.15	
	0.329	23.16	0.45	23.61	49.49	25.88	
	0.406	21.40	0.48	21.88	47.73	25.85	
	4.501	25.47	0.78	26.25	46.00	19.75	
	22.063	28.45	1.70	30.15	50.00	19.85	
Neutral	0.202	47.72	0.30	48.02	63.54	15.52	QP
	0.259	38.28	0.35	38.63	61.47	22.84	
	0.317	33.82	0.40	34.22	59.80	25.58	
	0.408	35.11	0.44	35.55	57.68	22.13	
	4.501	34.35	0.72	35.07	56.00	20.93	
	22.655	37.90	1.83	39.73	60.00	20.27	
	0.202	37.15	0.30	37.45	53.54	16.09	AV
	0.259	28.12	0.35	28.47	51.47	23.00	
	0.317	23.15	0.40	23.55	49.80	26.25	
	0.408	25.61	0.44	26.05	47.68	21.63	
	4.501	24.16	0.72	24.88	46.00	21.12	
	22.655	27.14	1.83	28.97	50.00	21.03	

TEST ENGINEER: WENCY YANG

EUT : LCD Monitor Temperature : 22°C

Model No. : D2342PY Humidity : 48%RH

Serial No. : E20110215-03-01/02 Date of Test : Feb 15, 2011

Test Mode : DVI 1920*1080@60Hz

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.190	46.88	0.38	47.26	64.02	16.76	QP
	0.256	38.14	0.42	38.56	61.56	23.00	
	0.317	35.17	0.45	35.62	59.80	24.18	
	0.408	33.47	0.48	33.95	57.68	23.73	
	4.224	34.16	0.77	34.93	56.00	21.07	
	25.864	37.87	1.82	39.69	60.00	20.31	
	0.190	36.25	0.38	36.63	54.02	17.39	AV
	0.256	28.54	0.42	28.96	51.56	22.60	
	0.317	25.36	0.45	25.81	49.80	23.99	
	0.408	23.16	0.48	23.64	47.68	24.04	
	4.224	24.56	0.77	25.33	46.00	20.67	
	25.864	27.15	1.82	28.97	50.00	21.03	
Neutral	0.200	50.66	0.30	50.96	63.62	12.66	QP
	0.262	41.26	0.35	41.61	61.38	19.77	
	0.320	36.29	0.40	36.69	59.71	23.02	
	0.406	34.99	0.44	35.43	57.73	22.30	
	4.454	34.13	0.72	34.85	56.00	21.15	
	23.140	38.40	1.83	40.23	60.00	19.77	
	0.200	40.25	0.30	40.55	53.62	13.07	AV
	0.262	31.27	0.35	31.62	51.38	19.76	
	0.320	26.34	0.40	26.74	49.71	22.97	
	0.406	28.25	0.44	28.69	47.73	19.04	
	4.454	24.57	0.72	25.29	46.00	20.71	
	23.140	28.50	1.83	30.33	50.00	19.67	

TEST ENGINEER: WENCY YANG

EUT : LCD Monitor Temperature : 22°C

Model No. : D2342PY Humidity : 48%RH

Serial No. : E20110215-03-01/02 Date of Test : Feb 15, 2011

Test Mode : HDMI 480i

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.190	46.24	0.38	46.62	64.02	17.40	QP
	0.253	37.36	0.42	37.78	61.64	23.86	
	0.322	34.22	0.45	34.67	59.66	24.99	
	0.406	32.92	0.48	33.40	57.73	24.33	
	4.501	32.86	0.78	33.64	56.00	22.36	
	23.140	38.22	1.73	39.95	60.00	20.05	
	0.190	36.25	0.38	36.63	54.02	17.39	AV
	0.253	26.35	0.42	26.77	51.64	24.87	
	0.322	24.58	0.45	25.03	49.66	24.63	
	0.406	22.36	0.48	22.84	47.73	24.89	
	4.501	22.36	0.78	23.14	46.00	22.86	
	23.140	28.13	1.73	29.86	50.00	20.14	
Neutral	0.204	46.86	0.31	47.17	63.45	16.28	QP
	0.256	38.69	0.35	39.04	61.56	22.52	
	0.320	33.75	0.40	34.15	59.71	25.56	
	0.408	35.27	0.44	35.71	57.68	21.97	
	4.501	32.58	0.72	33.30	56.00	22.70	
	25.321	38.49	1.87	40.36	60.00	19.64	
	0.204	36.25	0.31	36.56	53.45	16.89	AV
	0.256	28.12	0.35	28.47	51.56	23.09	
	0.320	23.65	0.40	24.05	49.71	25.66	
	0.408	25.36	0.44	25.80	47.68	21.88	
	4.501	22.36	0.72	23.08	46.00	22.92	
	25.321	28.54	1.87	30.41	50.00	19.59	

TEST ENGINEER: WENCY YANG

EUT : LCD Monitor Temperature : 22°C

Model No. : D2342PY Humidity : 48%RH

Serial No. : E20110215-03-01/02 Date of Test : Feb 15, 2011

Test Mode : HDMI 720p

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.191	44.60	0.38	44.98	64.00	19.02	QP
	0.253	37.76	0.42	38.18	61.64	23.46	
	0.322	34.09	0.45	34.54	59.66	25.12	
	0.408	33.49	0.48	33.97	57.68	23.71	
	4.361	38.77	0.77	39.54	56.00	16.46	
	25.591	41.06	1.81	42.87	60.00	17.13	
	0.191	31.25	0.38	31.63	54.00	22.37	AV
	0.253	27.45	0.42	27.87	51.64	23.77	
	0.322	24.13	0.45	24.58	49.66	25.08	
	0.408	23.62	0.48	24.10	47.68	23.58	
	4.361	28.12	0.77	28.89	46.00	17.11	
	25.591	31.26	1.81	33.07	50.00	16.93	
Neutral	0.204	47.19	0.31	47.50	63.45	15.95	QP
	0.253	37.53	0.35	37.88	61.64	23.76	
	0.329	33.96	0.40	34.36	59.49	25.13	
	0.408	35.42	0.44	35.86	57.68	21.82	
	4.361	32.40	0.72	33.12	56.00	22.88	
	25.591	38.58	1.87	40.45	60.00	19.55	
	0.204	37.54	0.31	37.85	53.45	15.60	AV
	0.253	27.42	0.35	27.77	51.64	23.87	
	0.329	23.16	0.40	23.56	49.49	25.93	
	0.408	25.34	0.44	25.78	47.68	21.90	
	4.361	22.36	0.72	23.08	46.00	22.92	
	25.591	28.65	1.87	30.52	50.00	19.48	

TEST ENGINEER: WENCY YANG

EUT : LCD Monitor Temperature : 22°C

Model No. : D2342PY Humidity : 48%RH

Serial No. : E20110215-03-01/02 Date of Test : Feb 15, 2011

Test Mode : HDMI 1080p

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.190	46.04	0.38	46.42	64.02	17.60	QP
	0.253	37.90	0.42	38.32	61.64	23.32	
	0.322	32.87	0.45	33.32	59.66	26.34	
	0.408	33.28	0.48	33.76	57.68	23.92	
	4.361	35.45	0.77	36.22	56.00	19.78	
	25.321	38.96	1.80	40.76	60.00	19.24	
	0.190	36.21	0.38	36.59	54.02	17.43	AV
	0.253	27.12	0.42	27.54	51.64	24.10	
	0.322	22.36	0.45	22.81	49.66	26.85	
	0.408	23.55	0.48	24.03	47.68	23.65	
	4.361	25.47	0.77	26.24	46.00	19.76	
	25.321	28.55	1.80	30.35	50.00	19.65	
Neutral	0.202	46.93	0.30	47.23	63.54	16.31	QP
	0.267	37.88	0.36	38.24	61.20	22.96	
	0.317	34.21	0.40	34.61	59.80	25.19	
	0.408	35.21	0.44	35.65	57.68	22.03	
	4.407	33.93	0.72	34.65	56.00	21.35	
	22.655	37.84	1.83	39.67	60.00	20.33	
	0.202	36.25	0.30	36.55	53.54	16.99	AV
	0.267	27.12	0.36	27.48	51.20	23.72	
	0.317	24.51	0.40	24.91	49.80	24.89	
	0.408	25.13	0.44	25.57	47.68	22.11	
	4.407	23.15	0.72	23.87	46.00	22.13	
	22.655	24.34	1.83	26.17	50.00	23.83	

TEST ENGINEER: WENCY YANG

EUT : LCD Monitor Temperature : 22°C

Model No. : D2342PY Humidity : 48%RH

Serial No. : E20110215-03-01/02 Date of Test : Mar 12, 2011

Test Mode : HDMI 1920*1080@60Hz

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.192	51.34	0.38	51.72	63.93	12.21	QP
	0.332	35.19	0.45	35.64	59.40	23.76	
	0.325	39.07	0.45	39.52	59.57	20.05	
	0.406	35.92	0.48	36.40	57.73	21.33	
	4.407	38.85	0.77	39.62	56.00	16.38	
	23.387	38.90	1.74	40.64	60.00	19.36	
	0.192	38.97	0.38	39.35	53.93	14.58	AV
	0.256	28.12	0.42	28.54	51.56	23.02	
	0.325	26.84	0.45	27.29	49.57	22.28	
	0.406	23.64	0.48	24.12	47.73	23.61	
	4.407	26.49	0.77	27.26	46.00	18.74	
	23.387	28.46	1.74	30.20	50.00	19.80	
Neutral	0.200	51.15	0.30	51.45	63.62	12.17	QP
	0.262	41.76	0.35	42.11	61.38	19.27	
	0.329	38.67	0.40	39.07	59.49	20.42	
	4.361	32.64	0.72	33.36	56.00	22.64	
	4.501	32.12	0.72	32.84	56.00	23.16	
	22.655	39.89	1.83	41.72	60.00	18.28	
	0.200	41.22	0.30	41.52	53.62	12.10	AV
	0.262	31.28	0.35	31.63	51.38	19.75	
	0.329	26.43	0.40	26.83	49.49	22.66	
	4.361	20.48	0.72	21.20	46.00	24.80	
	4.501	20.30	0.72	21.02	46.00	24.98	
	22.655	24.14	1.83	25.97	50.00	24.03	

TEST ENGINEER: WENCY YANG

4 RADIATED EMISSION TEST

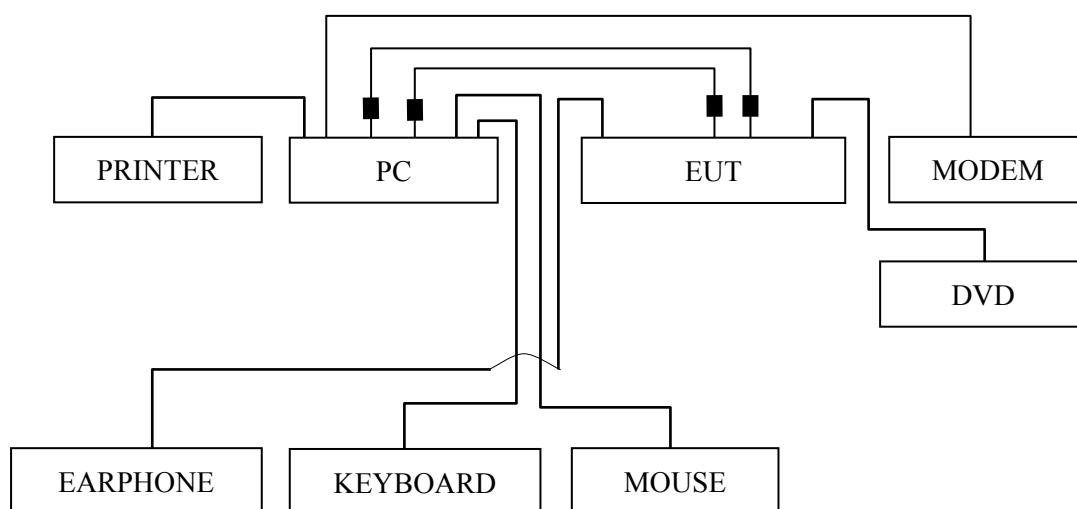
4.1 Test Equipment

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 07, 2010	Mar 07, 2011
2.	Preamplifier	Agilent	8447D	2944A10548	Sep 19, 2010	Mar 19, 2011
3.	Preamplifier	HP	8449B	3008A00864	Apr 29, 2010	Apr 29, 2011
4.	Bi-log Antenna	TESEQ	CBL6112D	23192	Dec 01, 2010	Dec 01, 2011
5.	Spectrum	Agilent	E7405A	MY45106600	May 19, 2010	May 19, 2011
6.	50 Ω Coaxial Switch	Anritsu	MP59B	6200426390	Sep 18, 2010	Mar 18, 2011
7.	Software	Audix	E3	SET00200 9912M295-2	--	--

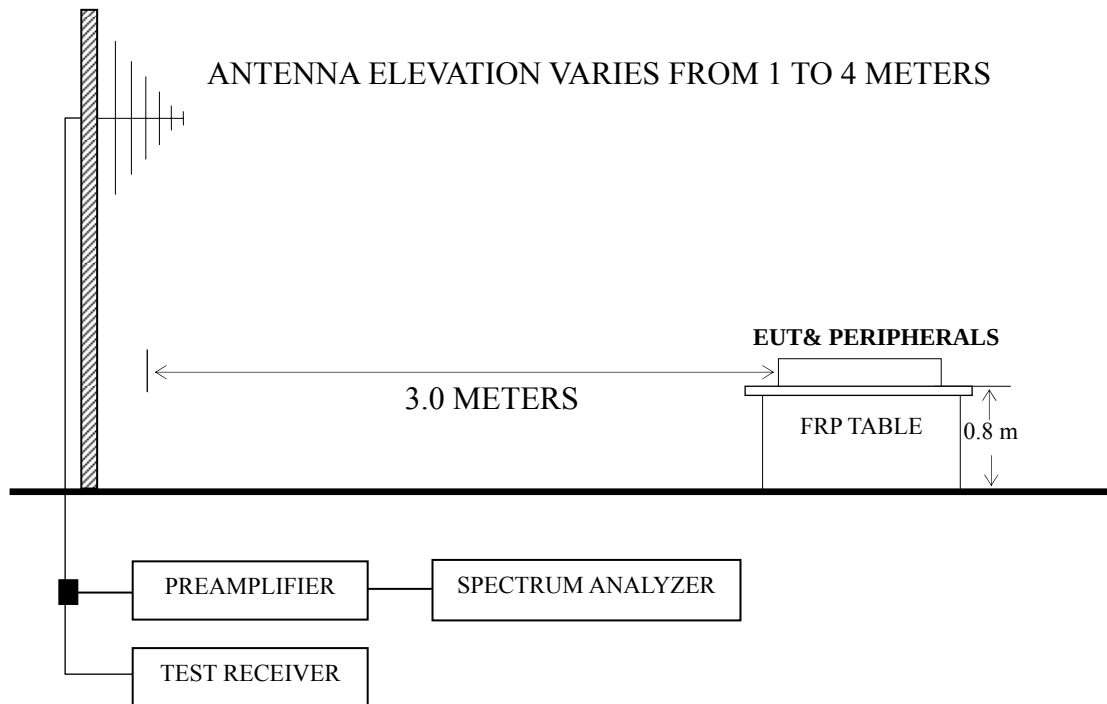
4.2 Block Diagram of Test Setup

4.2.1 EUT and Peripherals



■ : Ferrite core

4.2.2 Radiated emission test setup



■ : 50 ohm Coaxial Switch

4.3 Radiated Emission Limit [FCC Part 15 Subpart B 15.109(a)]

Frequency (MHz)	Distance (m)	Field strength limits	
		($\mu\text{V/m}$)	dB ($\mu\text{V/m}$)
30 ~ 88	3	100	40.0
88 ~ 216	3	150	43.5
216 ~ 960	3	200	46.0
Above 960	3	500	54.0

NOTE 1 - Emission Level dB ($\mu\text{V/m}$) = 20 log Emission Level ($\mu\text{V/m}$)

NOTE 2 - The tighter limit applies at the band edges.

NOTE 3 - Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

NOTE 4 - The limits shown are based on Quasi-peak value detector below or equal to 1GHz and Average value detector above 1GHz.

NOTE 5 - Above 1 GHz, the limit on peak emission is 20 dB above the maximum permitted average emission limit applicable to the EUT.

4.4 Test Configuration

The configuration of the EUT and peripherals are same as those used in conducted emission test.

Please refer to Sec.3.4.

4.5 Operating Condition of EUT

Same as conducted emission test which is listed in Sec.3.5, except for the test setup replaced by Sec.4.2.

4.6 Test Procedures

The EUT and peripherals were placed on a FRP turntable that is 0.8 meter above ground. The FRP turntable rotated 360 degrees to determine the position of the maximum emission level. The EUT was set 3 meters away from the receiving antenna, which was mounted on an antenna tower. Broadband antenna (Calibrated Bilog Antenna) was used as receiving antenna. The antenna moved up and down between 1 meter and 4 meters to find out the maximum emission level. Both horizontal and vertical polarizations of the antenna were set on measurement. In order to find the maximum emission, all of the interference cables were manipulated according to ANSI C63.4:2003 requirements during radiated emission test.

The 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@60Hz, 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.

Test Mode	Page
D-Sub 640*480@60Hz	P28
D-Sub 1280*1024@60Hz	P29-P30
D-Sub 1680*1050@60Hz	P31-P32
D-Sub 1920*1080@60Hz	P33-P34
DVI 640*480@60Hz	P35
DVI 1280*1024@60Hz	P36-P37
DVI 1680*1050@60Hz	P38-P39
DVI 1920*1080@60Hz	P40-P41
HDMI 480i	P42
HDMI 720p	P43
HDMI 1080p	P44
HDMI 1280*1024@60Hz	P45-P46

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

NOTE 2 – We selected the worst resolution mode to perform the HDMI connected PC mode.

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

NOTE 4 – Emission Level = Antenna Factor + Cable Loss – Preamp Factor + Meter Reading.($> 1\text{GHz}$)

NOTE 5 – All readings are Quasi-Peak values below or equal to 1GHz, Peak and Average values above 1GHz.

NOTE 6 – The emission levels that are 20dB below the official limit are not reported.

NOTE 7 – 0° was the table front facing the antenna. Degree is calculated from 0° clockwise facing the antenna.

NOTE 8 – The worst case is for DVI 1280*1024@60Hz test mode. The worst emission at horizontal polarization was detected at 141.550 MHz with corrected signal level of 35.09 dB ($\mu\text{V/m}$) (limit is 43.50 dB ($\mu\text{V/m}$)), when the antenna was 1.00 m height and the turntable was at 350° . The worst emission at vertical polarization was detected at 41.640 MHz with corrected signal level of 37.66 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 80° .

EUT : LCD Monitor Temperature : 22°C

Model No. : D2342PY Humidity : 60%RH

Serial No. : E20110215-03-01/02 Date of Test : Mar 07, 2011

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

Polarization	Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)
Horizontal	31.940	17.43	18.49	0.65	36.57	40.00	3.43
	41.640	23.31	13.02	0.73	37.06	40.00	2.94
	131.850	24.83	12.42	1.18	38.43	43.50	5.07
	260.860	22.49	13.13	1.64	37.26	46.00	8.74
	796.400	19.40	20.67	2.89	42.96	46.00	3.04
	848.680	19.12	21.20	2.95	43.27	46.00	2.73
Vertical	32.910	11.25	17.95	0.66	29.86	40.00	10.14
	55.220	20.72	7.69	0.81	29.22	40.00	10.78
	121.180	23.18	12.95	1.13	37.26	43.50	6.24
	144.000	26.70	11.76	1.22	39.68	43.50	3.82
	216.240	26.96	11.43	1.50	39.89	46.00	6.11
	623.640	10.79	19.33	2.50	32.62	46.00	13.38

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : D2342PY Humidity : 60%RH

Serial No. : E20110215-03-01/02 Date of Test : Mar 07, 2011

Test Mode : D-Sub 1280*1024@60Hz

Polarization	Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
Horizontal	33.880	1.62	17.44	0.67	--	19.73	40.00	20.27	QP
	74.620	14.45	7.11	0.92	--	22.48	40.00	17.52	
	131.850	25.17	12.42	1.18	--	38.77	43.50	4.73	
	207.510	25.92	11.05	1.47	--	38.44	43.50	5.06	
	332.640	20.99	14.82	1.87	--	37.68	46.00	8.32	
	775.930	11.41	20.49	2.85	--	34.75	46.00	11.25	
	1074.000	45.61	22.16	4.50	37.26	35.01	74.00	38.99	PK
	1205.000	42.11	23.73	4.51	37.00	33.35	74.00	40.65	
	1379.000	40.15	24.87	4.54	36.58	32.98	74.00	41.02	
	1566.000	40.23	26.46	4.56	36.16	35.09	74.00	38.91	
	1647.000	39.69	26.55	4.57	36.02	34.79	74.00	39.21	
	1926.000	39.90	25.46	4.72	35.67	34.41	74.00	39.59	
	1074.000	31.61	22.16	4.50	37.26	21.01	54.00	32.99	AV
	1205.000	25.11	23.73	4.51	37.00	16.35	54.00	37.65	
	1379.000	26.15	24.87	4.54	36.58	18.98	54.00	35.02	
	1566.000	30.23	26.46	4.56	36.16	25.09	54.00	28.91	
	1647.000	29.69	26.55	4.57	36.02	24.79	54.00	29.21	
	1926.000	25.90	25.46	4.72	35.67	20.41	54.00	33.59	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : D2342PY Humidity : 60%RH

Serial No. : E20110215-03-01/02 Date of Test : Mar 07, 2011

Test Mode : D-Sub 1280*1024@60Hz

Polarization	Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
Vertical	32.910	15.96	17.95	0.66	--	34.57	40.00	5.43	QP
	42.610	23.97	12.39	0.74	--	37.10	40.00	2.90	
	119.240	24.95	12.97	1.12	--	39.04	43.50	4.46	
	202.660	23.09	10.81	1.46	--	35.36	43.50	8.14	
	324.880	26.81	14.58	1.84	--	43.23	46.00	2.77	
	840.920	19.08	21.12	2.95	--	43.15	46.00	2.85	
	1076.000	47.25	22.16	4.50	37.26	36.65	74.00	37.35	PK
	1275.000	37.52	24.25	4.53	36.84	29.46	74.00	44.54	
	1429.000	38.39	25.49	4.54	36.45	31.97	74.00	42.03	
	1527.000	38.14	26.54	4.55	36.23	33.00	74.00	41.00	
	1692.000	37.86	26.68	4.57	35.96	33.15	74.00	40.85	
	1964.000	40.53	24.92	4.75	35.64	34.56	74.00	39.44	
	1076.000	36.25	22.16	4.50	37.26	25.65	54.00	28.35	AV
	1275.000	26.52	24.25	4.53	36.84	18.46	54.00	35.54	
	1429.000	20.39	25.49	4.54	36.45	13.97	54.00	40.03	
	1527.000	26.14	26.54	4.55	36.23	21.00	54.00	33.00	
	1692.000	29.86	26.68	4.57	35.96	25.15	54.00	28.85	
	1964.000	26.53	24.92	4.75	35.64	20.56	54.00	33.44	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : D2342PY Humidity : 60%RH

Serial No. : E20110215-03-01/02 Date of Test : Mar 07, 2011

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

Polarization	Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
Horizontal	41.640	7.10	13.02	0.73	--	20.85	40.00	19.15	QP
	67.830	15.37	6.52	0.88	--	22.77	40.00	17.23	
	140.580	25.49	12.05	1.21	--	38.75	43.50	4.75	
	210.420	25.50	11.18	1.48	--	38.16	43.50	5.34	
	335.550	17.83	14.90	1.88	--	34.61	46.00	11.39	
	805.030	11.03	20.73	2.90	--	34.66	46.00	11.34	
	1074.000	55.61	22.16	4.50	37.26	45.01	74.00	28.99	PK
	1205.000	50.11	23.73	4.51	37.00	41.35	74.00	32.65	
	1328.000	51.82	24.56	4.53	36.72	44.19	74.00	29.81	
	1467.000	49.70	26.11	4.55	36.36	44.00	74.00	30.00	
	1593.000	51.20	26.41	4.56	36.11	46.06	74.00	27.94	
	1701.000	47.71	26.70	4.57	35.94	43.04	74.00	30.96	
	1074.000	45.61	22.16	4.50	37.26	35.01	54.00	18.99	AV
	1205.000	41.11	23.73	4.51	37.00	32.35	54.00	21.65	
	1328.000	36.82	24.56	4.53	36.72	29.19	54.00	24.81	
	1467.000	38.70	26.11	4.55	36.36	33.00	54.00	21.00	
	1593.000	43.20	26.41	4.56	36.11	38.06	54.00	15.94	
	1701.000	31.71	26.70	4.57	35.94	27.04	54.00	26.96	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : D2342PY Humidity : 60%RH

Serial No. : E20110215-03-01/02 Date of Test : Mar 07, 2011

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

Polarization	Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
Vertical	32.910	17.21	17.95	0.66	--	35.82	40.00	4.18	QP
	119.240	24.97	12.97	1.12	--	39.06	43.50	4.44	
	205.570	25.28	10.93	1.47	--	37.68	43.50	5.82	
	334.580	20.33	14.86	1.87	--	37.06	46.00	8.94	
	526.640	8.96	18.24	2.32	--	29.52	46.00	16.48	
	804.060	19.50	20.73	2.90	--	43.13	46.00	2.87	
	1003.000	54.28	20.88	4.49	37.39	42.26	74.00	31.74	PK
	1148.000	51.76	23.15	4.51	37.12	42.30	74.00	31.70	
	1258.000	44.21	24.13	4.52	36.88	35.98	74.00	38.02	
	1366.000	47.87	24.80	4.54	36.62	40.59	74.00	33.41	
	1453.000	48.22	25.90	4.55	36.39	42.28	74.00	31.72	
	1593.000	48.07	26.41	4.56	36.11	42.93	74.00	31.07	
	1003.000	46.28	20.88	4.49	37.39	34.26	54.00	19.74	AV
	1148.000	35.76	23.15	4.51	37.12	26.30	54.00	27.70	
	1258.000	29.21	24.13	4.52	36.88	20.98	54.00	33.02	
	1366.000	38.87	24.80	4.54	36.62	31.59	54.00	22.41	
	1453.000	40.22	25.90	4.55	36.39	34.28	54.00	19.72	
	1593.000	34.07	26.41	4.56	36.11	28.93	54.00	25.07	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : D2342PY Humidity : 60%RH

Serial No. : E20110215-03-01/02 Date of Test : Mar 07, 2011

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

Polarization	Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
Horizontal	30.970	0.64	19.03	0.64	--	20.31	40.00	19.69	QP
	83.350	10.10	8.30	0.96	--	19.36	40.00	20.64	
	141.550	22.51	12.01	1.21	--	35.73	43.50	7.77	
	207.510	26.53	11.05	1.47	--	39.05	43.50	4.45	
	336.520	16.62	14.94	1.88	--	33.44	46.00	12.56	
	830.250	13.48	21.01	2.93	--	37.42	46.00	8.58	
	1074.000	45.61	22.16	4.50	37.26	35.01	74.00	38.99	PK
	1328.000	41.82	24.56	4.53	36.72	34.19	74.00	39.81	
	1501.000	39.58	26.59	4.55	36.28	34.44	74.00	39.56	
	1593.000	41.20	26.41	4.56	36.11	36.06	74.00	37.94	
	1673.000	38.56	26.62	4.57	35.98	33.77	74.00	40.23	
	1955.000	42.83	25.02	4.75	35.64	36.96	74.00	37.04	
	1074.000	38.61	22.16	4.50	37.26	28.01	54.00	25.99	AV
	1328.000	28.82	24.56	4.53	36.72	21.19	54.00	32.81	
	1501.000	29.58	26.59	4.55	36.28	24.44	54.00	29.56	
	1593.000	29.20	26.41	4.56	36.11	24.06	54.00	29.94	
	1673.000	32.56	26.62	4.57	35.98	27.77	54.00	26.23	
	1955.000	29.83	25.02	4.75	35.64	23.96	54.00	30.04	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : D2342PY Humidity : 60%RH

Serial No. : E20110215-03-01/02 Date of Test : Mar 07, 2011

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

Polarization	Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
Vertical	32.910	17.75	17.95	0.66	--	36.36	40.00	3.64	QP
	63.950	18.07	6.56	0.86	--	25.49	40.00	14.51	
	120.210	24.64	12.98	1.13	--	38.75	43.50	4.75	
	209.450	23.39	11.13	1.48	--	36.00	43.50	7.50	
	400.540	16.62	16.50	2.06	--	35.18	46.00	10.82	
	828.310	19.06	20.98	2.93	--	42.97	46.00	3.03	
	1076.000	53.25	22.16	4.50	37.26	42.65	74.00	31.35	PK
	1148.000	52.76	23.15	4.51	37.12	43.30	74.00	30.70	
	1344.000	48.51	24.67	4.53	36.67	41.04	74.00	32.96	
	1453.000	49.22	25.90	4.55	36.39	43.28	74.00	30.72	
	1639.000	49.99	26.53	4.57	36.03	45.06	74.00	28.94	
	1791.000	46.47	27.07	4.58	35.82	42.30	74.00	31.70	
	1076.000	46.25	22.16	4.50	37.26	35.65	54.00	18.35	AV
	1148.000	37.76	23.15	4.51	37.12	28.30	54.00	25.70	
	1344.000	37.51	24.67	4.53	36.67	30.04	54.00	23.96	
	1453.000	38.22	25.90	4.55	36.39	32.28	54.00	21.72	
	1639.000	37.99	26.53	4.57	36.03	33.06	54.00	20.94	
	1791.000	33.47	27.07	4.58	35.82	29.30	54.00	24.70	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : D2342PY Humidity : 60%RH

Serial No. : E20110215-03-01/02 Date of Test : Mar 07, 2011

Test Mode : DVI 640*480@60Hz

Polarization	Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)
Horizontal	31.940	1.70	18.49	0.65	20.84	40.00	19.16
	66.860	13.65	6.53	0.88	21.06	40.00	18.94
	132.820	23.18	12.40	1.18	36.76	43.50	6.74
	257.950	21.59	13.06	1.62	36.27	46.00	9.73
	400.540	11.39	16.50	2.06	29.95	46.00	16.05
	944.710	15.26	22.02	3.58	40.86	46.00	5.14
Vertical	32.910	16.06	17.95	0.66	34.67	40.00	5.33
	62.980	18.29	6.57	0.86	25.72	40.00	14.28
	133.790	23.86	12.35	1.18	37.39	43.50	6.11
	188.110	26.27	10.20	1.41	37.88	43.50	5.62
	400.540	15.65	16.50	2.06	34.21	46.00	11.79
	841.890	18.91	21.12	2.95	42.98	46.00	3.02

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : D2342PY Humidity : 60%RH

Serial No. : E20110215-03-01/02 Date of Test : Mar 07, 2011

Test Mode : DVI 1280*1024@60Hz

Polarization	Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
Horizontal	40.670	5.73	13.62	0.72	--	20.07	40.00	19.93	QP
	70.740	12.74	6.58	0.90	--	20.22	40.00	19.78	
	141.550	21.87	12.01	1.21	--	35.09	43.50	8.41	
	289.960	21.66	13.73	1.73	--	37.12	46.00	8.88	
	457.770	10.79	17.35	2.18	--	30.32	46.00	15.68	
	799.210	13.45	20.70	2.89	--	37.04	46.00	8.96	
	1041.000	46.32	22.69	4.49	37.33	36.17	74.00	37.83	PK
	1264.000	44.32	24.23	4.52	36.86	36.21	74.00	37.79	
	1393.000	45.61	25.16	4.54	36.55	38.76	74.00	35.24	
	1467.000	45.89	25.60	4.55	36.36	39.68	74.00	34.32	
	1600.000	47.16	26.40	4.56	36.10	42.02	74.00	31.98	
	1797.000	44.70	26.90	4.58	35.81	40.37	74.00	33.63	
	1041.000	39.32	22.69	4.49	37.33	29.17	54.00	24.83	AV
	1264.000	30.32	24.23	4.52	36.86	22.21	54.00	31.79	
	1393.000	35.61	25.16	4.54	36.55	28.76	54.00	25.24	
	1467.000	34.89	25.60	4.55	36.36	28.68	54.00	25.32	
	1600.000	40.16	26.40	4.56	36.10	35.02	54.00	18.98	
	1797.000	33.70	26.90	4.58	35.81	29.37	54.00	24.63	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : D2342PY Humidity : 60%RH

Serial No. : E20110215-03-01/02 Date of Test : Mar 07, 2011

Test Mode : DVI 1280*1024@60Hz

Polarization	Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
Vertical	32.910	15.90	17.95	0.66	--	34.51	40.00	5.49	QP
	41.640	23.91	13.02	0.73	--	37.66	40.00	2.34	
	91.110	15.78	9.65	1.00	--	26.43	43.50	17.07	
	140.580	25.53	12.05	1.21	--	38.79	43.50	4.71	
	344.280	14.99	15.16	1.90	--	32.05	46.00	13.95	
	845.770	19.28	21.16	2.95	--	43.39	46.00	2.61	
	1031.000	48.82	22.60	4.49	37.34	38.57	74.00	35.43	PK
	1200.000	48.51	23.70	4.51	37.00	39.72	74.00	34.28	
	1286.000	46.80	24.40	4.53	36.82	38.91	74.00	35.09	
	1498.000	50.44	25.80	4.55	36.30	44.49	74.00	29.51	
	1600.000	49.50	26.40	4.56	36.10	44.36	74.00	29.64	
	1676.000	45.05	26.59	4.57	35.97	40.24	74.00	33.76	
	1031.000	41.82	22.60	4.49	37.34	31.57	54.00	22.43	AV
	1200.000	36.51	23.70	4.51	37.00	27.72	54.00	26.28	
	1286.000	32.80	24.40	4.53	36.82	24.91	54.00	29.09	
	1498.000	36.44	25.80	4.55	36.30	30.49	54.00	23.51	
	1600.000	38.50	26.40	4.56	36.10	33.36	54.00	20.64	
	1676.000	33.05	26.59	4.57	35.97	28.24	54.00	25.76	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : D2342PY Humidity : 60%RH

Serial No. : E20110215-03-01/02 Date of Test : Mar 07, 2011

Test Mode : DVI 1680*1050@60Hz

Polarization	Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
Horizontal	32.910	1.89	17.95	0.66	--	20.50	40.00	19.50	QP
	68.800	12.59	6.51	0.89	--	19.99	40.00	20.01	
	130.880	25.80	12.47	1.18	--	39.45	43.50	4.05	
	186.170	28.82	10.14	1.40	--	40.36	43.50	3.14	
	315.180	17.07	14.32	1.81	--	33.20	46.00	12.80	
	838.980	15.56	21.09	2.95	--	39.60	46.00	6.40	
	1041.000	54.32	22.69	4.49	37.33	44.17	74.00	29.83	PK
	1101.000	53.11	23.11	4.50	37.20	43.52	74.00	30.48	
	1201.000	53.87	23.74	4.51	37.00	45.12	74.00	28.88	
	1264.000	52.32	24.23	4.52	36.86	44.21	74.00	29.79	
	1558.000	51.23	26.19	4.56	36.18	45.80	74.00	28.20	
	1634.000	51.57	26.49	4.57	36.04	46.59	74.00	27.41	
	1041.000	41.32	22.69	4.49	37.33	31.17	54.00	22.83	AV
	1101.000	40.11	23.11	4.50	37.20	30.52	54.00	23.48	
	1201.000	43.87	23.74	4.51	37.00	35.12	54.00	18.88	
	1264.000	43.32	24.23	4.52	36.86	35.21	54.00	18.79	
	1558.000	42.23	26.19	4.56	36.18	36.80	54.00	17.20	
	1634.000	40.57	26.49	4.57	36.04	35.59	54.00	18.41	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : D2342PY Humidity : 60%RH

Serial No. : E20110215-03-01/02 Date of Test : Mar 07, 2011

Test Mode : DVI 1680*1050@60Hz

Polarization	Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
Vertical	32.910	16.55	17.95	0.66	--	35.16	40.00	4.84	QP
	50.370	16.57	8.85	0.78	--	26.20	40.00	13.80	
	118.270	22.99	12.91	1.12	--	37.02	43.50	6.48	
	189.080	26.02	10.24	1.41	--	37.67	43.50	5.83	
	400.540	18.28	16.50	2.06	--	36.84	46.00	9.16	
	855.470	19.14	21.28	2.97	--	43.39	46.00	2.61	
	1024.000	54.53	22.57	4.49	37.36	44.23	74.00	29.77	PK
	1125.000	54.35	23.27	4.50	37.16	44.96	74.00	29.04	
	1286.000	52.80	24.40	4.53	36.82	44.91	74.00	29.09	
	1388.000	50.22	25.13	4.54	36.56	43.33	74.00	30.67	
	1676.000	51.05	26.59	4.57	35.97	46.24	74.00	27.76	
	1944.000	49.35	27.76	4.75	35.65	46.21	74.00	27.79	
	1024.000	47.53	22.57	4.49	37.36	37.23	54.00	16.77	AV
	1125.000	43.35	23.27	4.50	37.16	33.96	54.00	20.04	
	1286.000	41.80	24.40	4.53	36.82	33.91	54.00	20.09	
	1388.000	41.22	25.13	4.54	36.56	34.33	54.00	19.67	
	1676.000	41.05	26.59	4.57	35.97	36.24	54.00	17.76	
	1944.000	37.35	27.76	4.75	35.65	34.21	54.00	19.79	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : D2342PY Humidity : 60%RH

Serial No. : E20110215-03-01/02 Date of Test : Mar 07, 2011

Test Mode : DVI 1920*1080@60Hz

Polarization	Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
Horizontal	32.910	1.68	17.95	0.66	--	20.29	40.00	19.71	QP
	129.910	21.53	12.52	1.17	--	35.22	43.50	8.28	
	186.170	27.63	10.14	1.40	--	39.17	43.50	4.33	
	264.740	20.41	13.22	1.65	--	35.28	46.00	10.72	
	540.220	10.55	18.42	2.33	--	31.30	46.00	14.70	
	841.890	15.56	21.12	2.95	--	39.63	46.00	6.37	
	1041.000	54.32	22.69	4.49	37.33	44.17	74.00	29.83	PK
	1101.000	53.11	23.11	4.50	37.20	43.52	74.00	30.48	
	1201.000	53.87	23.74	4.51	37.00	45.12	74.00	28.88	
	1264.000	52.32	24.23	4.52	36.86	44.21	74.00	29.79	
	1558.000	51.23	26.19	4.56	36.18	45.80	74.00	28.20	
	1634.000	51.57	26.49	4.57	36.04	46.59	74.00	27.41	
	1041.000	41.32	22.69	4.49	37.33	31.17	54.00	22.83	AV
	1101.000	40.11	23.11	4.50	37.20	30.52	54.00	23.48	
	1201.000	43.87	23.74	4.51	37.00	35.12	54.00	18.88	
	1264.000	43.32	24.23	4.52	36.86	35.21	54.00	18.79	
	1558.000	42.23	26.19	4.56	36.18	36.80	54.00	17.20	
	1634.000	40.57	26.49	4.57	36.04	35.59	54.00	18.41	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : D2342PY Humidity : 60%RH

Serial No. : E20110215-03-01/02 Date of Test : Feb 24 2011

Test Mode : DVI 1920*1080@60Hz

Polarization	Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
Vertical	41.640	23.06	13.02	0.73	--	36.81	40.00	3.19	QP
	53.280	17.20	8.14	0.80	--	26.14	40.00	13.86	
	119.240	25.68	12.97	1.12	--	39.77	43.50	3.73	
	344.280	14.38	15.16	1.90	--	31.44	46.00	14.56	
	559.620	17.04	18.72	2.38	--	38.14	46.00	7.86	
	855.470	18.92	21.28	2.97	--	43.17	46.00	2.83	
	1024.000	54.53	22.57	4.49	37.36	44.23	74.00	29.77	PK
	1125.000	54.35	23.27	4.50	37.16	44.96	74.00	29.04	
	1286.000	52.80	24.40	4.53	36.82	44.91	74.00	29.09	
	1388.000	50.22	25.13	4.54	36.56	43.33	74.00	30.67	
	1676.000	51.05	26.59	4.57	35.97	46.24	74.00	27.76	
	1944.000	49.35	27.76	4.75	35.65	46.21	74.00	27.79	
	1024.000	47.53	22.57	4.49	37.36	37.23	54.00	16.77	AV
	1125.000	43.35	23.27	4.50	37.16	33.96	54.00	20.04	
	1286.000	41.80	24.40	4.53	36.82	33.91	54.00	20.09	
	1388.000	41.22	25.13	4.54	36.56	34.33	54.00	19.67	
	1676.000	41.05	26.59	4.57	35.97	36.24	54.00	17.76	
	1944.000	37.35	27.76	4.75	35.65	34.21	54.00	19.79	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : D2342PY Humidity : 60%RH

Serial No. : E20110215-03-01/02 Date of Test : Mar 07, 2011

Test Mode : HDMI 480i

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	80.440	24.86	10.56	0.95	36.37	40.00	3.63
	173.000	28.59	10.08	1.35	40.02	43.50	3.48
	343.310	25.12	14.91	1.90	41.93	46.00	4.07
	432.550	20.43	16.72	2.13	39.28	46.00	6.72
	519.850	17.73	17.72	2.30	37.75	46.00	8.25
	736.160	12.78	19.90	2.78	35.46	46.00	10.54
Vertical	87.360	25.10	10.90	0.98	36.98	40.00	3.02
	152.220	27.72	10.37	1.25	39.34	43.50	4.16
	238.550	27.13	11.46	1.57	40.16	46.00	5.84
	347.190	22.10	15.04	1.91	39.05	46.00	6.95
	388.900	14.47	16.07	2.03	32.57	46.00	13.43
	671.170	13.14	19.15	2.61	34.90	46.00	11.10

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : D2342PY Humidity : 60%RH

Serial No. : E20110215-03-01/02 Date of Test : Mar 07, 2011

Test Mode : HDMI 720p

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	87.230	23.75	10.88	0.98	35.61	40.00	4.39
	108.570	24.50	11.21	1.08	36.79	43.50	6.71
	152.300	28.10	10.37	1.25	39.72	43.50	3.78
	341.370	26.35	14.87	1.90	43.12	46.00	2.88
	412.180	20.54	16.45	2.09	39.08	46.00	6.92
	519.850	15.95	17.72	2.30	35.97	46.00	10.03
Vertical	44.550	18.86	10.47	0.75	30.08	40.00	9.92
	87.300	24.11	10.88	0.98	35.97	40.00	4.03
	238.550	26.81	11.46	1.57	39.84	46.00	6.16
	341.370	24.53	14.87	1.90	41.30	46.00	4.70
	469.410	18.12	17.24	2.21	37.57	46.00	8.43
	671.170	14.22	19.15	2.61	35.98	46.00	10.02

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : D2342PY Humidity : 60%RH

Serial No. : E20110215-03-01/02 Date of Test : Mar 07, 2011

Test Mode : HDMI 1080p

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	97.900	25.16	11.28	1.03	37.47	43.50	6.03
	173.000	28.10	10.08	1.35	39.53	43.50	3.97
	282.200	27.10	13.21	1.72	42.03	46.00	3.97
	341.370	25.31	14.87	1.90	42.08	46.00	3.92
	412.180	20.45	16.45	2.09	38.99	46.00	7.01
	671.170	14.17	19.15	2.61	35.93	46.00	10.07
Vertical	87.630	23.10	10.90	0.98	34.98	40.00	5.02
	145.430	28.48	10.50	1.23	40.21	43.50	3.29
	173.560	27.74	10.07	1.35	39.16	43.50	4.34
	217.210	28.59	10.48	1.51	40.58	46.00	5.42
	347.190	24.47	15.04	1.91	41.42	46.00	4.58
	468.440	19.23	17.22	2.21	38.66	46.00	7.34

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : D2342PY Humidity : 60%RH

Serial No. : E20110215-03-01/02 Date of Test : Mar 11, 2011

Test Mode : HDMI 1280*1024@60Hz

Polarization	Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
Horizontal	174.530	29.11	10.07	1.35	--	40.53	43.50	2.97	QP
	262.800	26.43	13.17	1.65	--	41.25	46.00	4.75	
	337.000	25.01	14.94	1.88	--	41.83	46.00	4.17	
	524.700	19.70	18.21	2.30	--	40.21	46.00	5.79	
	612.970	21.18	19.26	2.48	--	42.92	46.00	3.08	
	874.870	17.74	21.46	3.00	--	42.20	46.00	3.80	
	1074.000	43.61	22.16	4.50	37.26	33.01	74.00	40.99	PK
	1205.000	41.11	23.73	4.51	37.00	32.35	74.00	41.65	
	1379.000	39.15	24.87	4.54	36.58	31.98	74.00	42.02	
	1566.000	39.23	26.46	4.56	36.16	34.09	74.00	39.91	
	1647.000	38.69	26.55	4.57	36.02	33.79	74.00	40.21	
	1926.000	37.90	25.46	4.72	35.67	32.41	74.00	41.59	
	1074.000	25.61	22.16	4.50	37.26	15.01	54.00	38.99	AV
	1205.000	21.11	23.73	4.51	37.00	12.35	54.00	41.65	
	1379.000	23.15	24.87	4.54	36.58	15.98	54.00	38.02	
	1566.000	29.23	26.46	4.56	36.16	24.09	54.00	29.91	
	1647.000	28.69	26.55	4.57	36.02	23.79	54.00	30.21	
	1926.000	24.90	25.46	4.72	35.67	19.41	54.00	34.59	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : D2342PY Humidity : 60%RH

Serial No. : E20110215-03-01/02 Date of Test : Mar 11, 2011

Test Mode : HDMI 1280*1024@60Hz

Polarization	Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
Vertical	37.760	17.03	15.20	0.70	--	32.93	40.00	7.07	QP
	90.140	27.97	9.40	1.00	--	38.37	43.50	5.13	
	154.160	24.44	10.94	1.26	--	36.64	43.50	6.86	
	174.530	24.29	10.07	1.35	--	35.71	43.50	7.79	
	262.800	27.21	13.17	1.65	--	42.03	46.00	3.97	
	336.520	25.74	14.94	1.88	--	42.56	46.00	3.44	
	1076.000	44.25	22.16	4.50	37.26	33.65	74.00	40.35	PK
	1275.000	35.52	24.25	4.53	36.84	27.46	74.00	46.54	
	1429.000	37.39	25.49	4.54	36.45	30.97	74.00	43.03	
	1527.000	36.14	26.54	4.55	36.23	31.00	74.00	43.00	
	1692.000	35.86	26.68	4.57	35.96	31.15	74.00	42.85	
	1964.000	38.53	24.92	4.75	35.64	32.56	74.00	41.44	
	1076.000	34.25	22.16	4.50	37.26	23.65	54.00	30.35	AV
	1275.000	23.52	24.25	4.53	36.84	15.46	54.00	38.54	
	1429.000	18.39	25.49	4.54	36.45	11.97	54.00	42.03	
	1527.000	23.14	26.54	4.55	36.23	18.00	54.00	36.00	
	1692.000	27.86	26.68	4.57	35.96	23.15	54.00	30.85	
	1964.000	22.53	24.92	4.75	35.64	16.56	54.00	37.44	

TEST ENGINEER: RAVEN JIN

5 DEVIATION TO TEST SPECIFICATIONS

None.

6 DEBUG DESCRIPTION

The following components are used during the countermeasure procedures:

Name	M/N	Specifications (mm)	Manufacturer	Location
EMI Conductive Tape	7250CP0005J	50*120	EXPAN Electronics SUZHOU Co., Ltd.	See Appendix II Figure 20
Aluminum foil	T-308	50*30	DAEHUNG SUBSIDIARY MATERIALS.	See Appendix II Figure 21
Gasket	LG END 3940TKK043C	28*10*1	EXPAN Electronics SUZHOU Co., Ltd.	See Appendix II Figure 22
Gasket	LG END 3940TKK043C	120*10*1	EXPAN Electronics SUZHOU Co., Ltd.	See Appendix II Figure 22
Gasket	LG END 3940TKK043C	295*10*1	EXPAN Electronics SUZHOU Co., Ltd.	See Appendix II Figure 22
Gasket	LG END 3940TKK043C	155*10*1	EXPAN Electronics SUZHOU Co., Ltd.	See Appendix II Figure 22
Gasket	LG END 3940TKK043C	120*10*1	EXPAN Electronics SUZHOU Co., Ltd.	See Appendix II Figure 22
EMI Conductive Tape	--	10*20	EXPAN Electronics SUZHOU Co., Ltd.	See Appendix II Figure 23
DVI EMI sponge	--	36*21*1	EXPAN Electronics SUZHOU Co., Ltd.	See Appendix II Figure 23

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)