

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

LCD Monitor

Model No.: IPS225VX

Serial No.: E1104223-01/01

FCC ID : BEJIPS225VX

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

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Report No. : ACI-F11065
Date of Test : Apr 18 - 20, 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. : IPS225VX
(B) Serial No. : E1104223-01/01
(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), Issue 4 February 2004 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: IPS225VX; S/N: E1104223-01/01) which was tested in 3m anechoic chamber Apr 18 - 20, 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 : Apr 18 - 20, 2011 Date of Report : May 16, 2011

Producer : Kathy Wang
KATHY WANG / Assistant

Review : Dio Yang
DIO YANG / Deputy Assistant Manager

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

..... Signatory : Sammy Chen
Authorized Signature EMC SAMMY CHEN / 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
Type of EUT	: ☒ Production ☐ Pre-product ☐ Pro-type
Model No.	: IPS225VX
Serial No.	: E1104223-01/01
Real Power	: 27.60W
Applicant	: LG Electronics U.S.A., Inc. 1000 Sylvan Avenue, Englewood Cliffs, NJ 07632, United States
Manufacturer	: LG Electronics Nanjing Display Co., Ltd. No.346, Yao Xin Road, Economic & Technical Development Zone, Nanjing, China
LCD Panel	: Manufacturer: LG Display M/N : LM215WF3 (SL) (C1)
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
Power Cord	: Unshielded, Detachable, 1.80m
Note	: The D-Sub cable #2 and DVI cable #2 were selected to be used in the test.

Remark:

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

- | | |
|-----------------------|---------------------------|
| (1) One D-Sub 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	:	dx7200MT
Serial Number	:	CNG8130K89
Power Cord	:	Unshielded, Detachable, 1.8m
Certificate	:	FCC DoC; CE/EMC; VCCI; C-Tick; UL BSMI (R33001) 3C (A000111) MIC (E-A011-04-2659(B))

2.2.2 Printer

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

2.2.3 Keyboard

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

2.2.4 Mouse

Manufacturer	:	Microsoft
Model Number	:	RT2300
Serial Number	:	6965712071551
Data Cable	:	Shielded, Undetachable, 1.8m.
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
HDMI Cable : Shielded, Detachable, 1.8m
Certificate : FCC DoC, CE/EMC, CCC

2.2.7 Earphone

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

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)

3 CONDUCTED EMISSION TEST

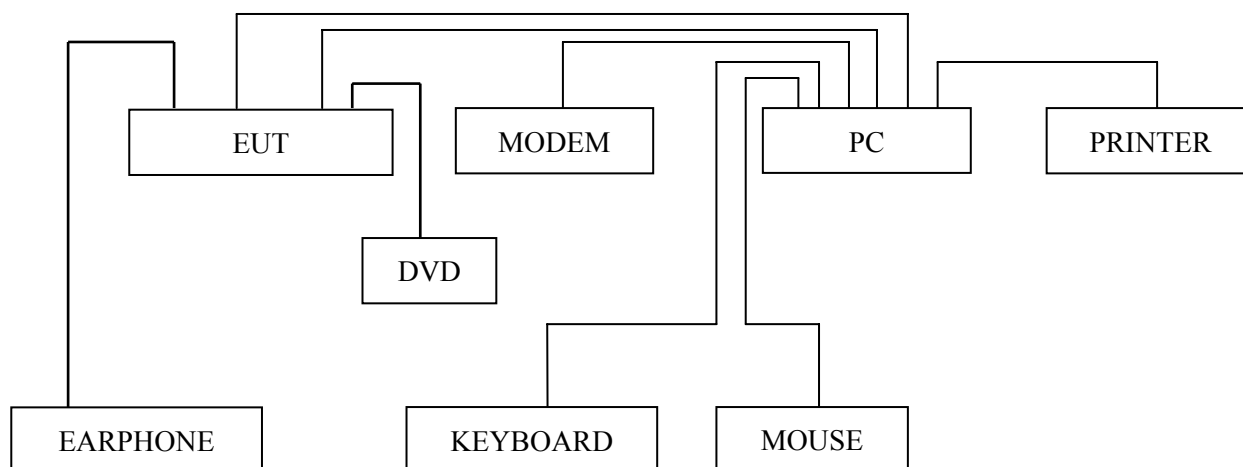
3.1 Test Equipment

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

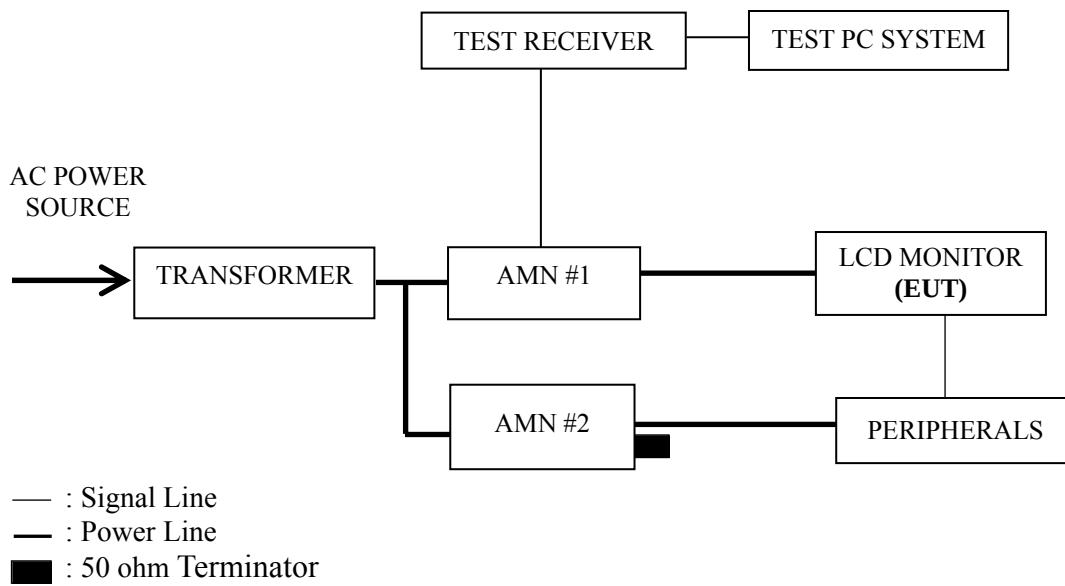
Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Test Receiver	R&S	ESCI	100841	Mar 22, 2011	Mar 22, 2012
2.	Artificial Mains Network (AMN #1)	R&S	ESH2-Z5	843890/011	Mar 22, 2011	Mar 22, 2012
3.	Artificial Mains Network (AMN #2)	R&S	ENV4200	100125	Mar 22, 2011	Mar 22, 2012
4.	50 Ω Coaxial Switch	Anritsu	MP59B	6200426389	Mar 18, 2011	Sep 18, 2011
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



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 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@75Hz
D-Sub 1680*1050@60Hz
D-Sub 1920*1080@60Hz
DVI 640*480@60Hz
DVI 1280*1024@75Hz
DVI 1680*1050@60Hz
DVI 1920*1080@60Hz
HDMI 480i
HDMI 720p
HDMI 1080p
HDMI PC Mode (see 4.7 NOTE2)

Note: HDMI PC Mode was selected to perform the additional Radiated Emission Test.

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@75Hz	P13
D-Sub 1680*1050@60Hz	P14
D-Sub 1920*1080@60Hz	P15
DVI 640*480@60Hz	P16
DVI 1280*1024@75Hz	P17
DVI 1680*1050@60Hz	P18
DVI 1920*1080@60Hz	P19
HDMI 480i	P20
HDMI 720p	P21
HDMI 1080p	P22

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. The worst emission is detected at 0.200 MHz (Average Value) with corrected signal level of 40.03 dB (μV) (limit is 53.62 dB (μV)), when the Line of the EUT is connected to AMN.

EUT : LCD Monitor Temperature : 22°C

Model No. : IPS225VX Humidity : 48%RH

Serial No. : E1104223-01/01 Date of Test : Apr 18, 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	0.200	47.68	0.23	47.91	63.62	15.71	QP
	0.262	38.30	0.23	38.53	61.38	22.85	
	0.406	34.02	0.29	34.31	57.73	23.42	
	4.202	29.00	0.54	29.54	56.00	26.46	
	8.148	32.08	0.69	32.77	60.00	27.23	
	29.061	31.68	1.32	33.00	60.00	27.00	
	0.200	37.80	0.23	38.03	53.62	15.59	AV
	0.262	28.40	0.23	28.63	51.38	22.75	
	0.406	24.11	0.29	24.40	47.73	23.33	
	4.202	19.00	0.54	19.54	46.00	26.46	
	8.148	22.10	0.69	22.79	50.00	27.21	
	29.061	21.70	1.32	23.02	50.00	26.98	
Neutral	0.202	46.92	0.19	47.11	63.54	16.43	QP
	0.262	37.95	0.18	38.13	61.38	23.25	
	0.406	33.45	0.23	33.68	57.73	24.05	
	4.202	26.92	0.74	27.66	56.00	28.34	
	8.323	33.51	1.00	34.51	60.00	25.49	
	28.755	33.75	1.25	35.00	60.00	25.00	
	0.202	37.00	0.19	37.19	53.54	16.35	AV
	0.262	27.81	0.18	27.99	51.38	23.39	
	0.406	23.50	0.23	23.73	47.73	24.00	
	4.202	16.90	0.74	17.64	46.00	28.36	
	8.323	23.31	1.00	24.31	50.00	25.69	
	28.755	23.79	1.25	25.04	50.00	24.96	

TEST ENGINEER: WENCY YANG

EUT : LCD Monitor Temperature : 22°C

Model No. : IPS225VX Humidity : 48%RH

Serial No. : E1104223-01/01 Date of Test : Apr 18, 2011

Test Mode : D-Sub 1280*1024@75Hz

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.202	48.54	0.23	48.77	63.54	14.77	QP
	0.262	39.37	0.23	39.60	61.38	21.78	
	0.402	34.06	0.29	34.35	57.81	23.46	
	4.202	29.87	0.54	30.41	56.00	25.59	
	8.637	32.19	0.73	32.92	60.00	27.08	
	28.003	33.03	1.30	34.33	60.00	25.67	
	0.202	38.70	0.23	38.93	53.54	14.61	AV
	0.262	29.60	0.23	29.83	51.38	21.55	
	0.402	24.11	0.29	24.40	47.81	23.41	
	4.202	19.90	0.54	20.44	46.00	25.56	
	8.637	22.29	0.73	23.02	50.00	26.98	
	28.003	23.10	1.30	24.40	50.00	25.60	
Neutral	0.199	47.71	0.19	47.90	63.67	15.77	QP
	0.264	38.84	0.19	39.03	61.29	22.26	
	0.402	34.01	0.23	34.24	57.81	23.57	
	4.158	27.24	0.74	27.98	56.00	28.02	
	8.637	33.36	1.02	34.38	60.00	25.62	
	28.755	32.56	1.25	33.81	60.00	26.19	
	0.199	37.90	0.19	38.09	53.67	15.58	AV
	0.264	28.90	0.19	29.09	51.29	22.20	
	0.402	24.10	0.23	24.33	47.81	23.48	
	4.158	17.50	0.74	18.24	46.00	27.76	
	8.637	23.60	1.02	24.62	50.00	25.38	
	28.755	22.79	1.25	24.04	50.00	25.96	

TEST ENGINEER: WENCY YANG

EUT : LCD Monitor Temperature : 22°C

Model No. : IPS225VX Humidity : 48%RH

Serial No. : E1104223-01/01 Date of Test : Apr 18, 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	0.202	48.10	0.23	48.33	63.54	15.21	QP
	0.273	38.07	0.23	38.30	61.03	22.73	
	0.406	34.56	0.29	34.85	57.73	22.88	
	4.158	30.72	0.54	31.26	56.00	24.74	
	8.501	32.55	0.72	33.27	60.00	26.73	
	28.003	31.65	1.30	32.95	60.00	27.05	
	0.202	38.10	0.23	38.33	53.54	15.21	AV
	0.273	28.20	0.23	28.43	51.03	22.60	
	0.406	24.61	0.29	24.90	47.73	22.83	
	4.158	20.80	0.54	21.34	46.00	24.66	
	8.501	22.60	0.72	23.32	50.00	26.68	
	28.003	21.70	1.30	23.00	50.00	27.00	
Neutral	0.202	47.09	0.19	47.28	63.54	16.26	QP
	0.262	40.26	0.18	40.44	61.38	20.94	
	0.406	33.76	0.23	33.99	57.73	23.74	
	4.202	28.28	0.74	29.02	56.00	26.98	
	8.323	33.90	1.00	34.90	60.00	25.10	
	28.603	32.82	1.25	34.07	60.00	25.93	
	0.202	37.10	0.19	37.29	53.54	16.25	AV
	0.262	30.21	0.18	30.39	51.38	20.99	
	0.406	23.80	0.23	24.03	47.73	23.70	
	4.202	18.30	0.74	19.04	46.00	26.96	
	8.323	24.11	1.00	25.11	50.00	24.89	
	28.603	22.90	1.25	24.15	50.00	25.85	

TEST ENGINEER: WENCY YANG

EUT : LCD Monitor Temperature : 22°C

Model No. : IPS225VX Humidity : 48%RH

Serial No. : E1104223-01/01 Date of Test : Apr 18, 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	0.202	48.56	0.23	48.79	63.54	14.75	QP
	0.262	39.40	0.23	39.63	61.38	21.75	
	0.406	34.04	0.29	34.33	57.73	23.40	
	3.985	30.18	0.54	30.72	56.00	25.28	
	8.637	32.18	0.73	32.91	60.00	27.09	
	29.061	32.69	1.32	34.01	60.00	25.99	
	0.202	38.70	0.23	38.93	53.54	14.61	AV
	0.262	29.50	0.23	29.73	51.38	21.65	
	0.406	24.21	0.29	24.50	47.73	23.23	
	3.985	20.10	0.54	20.64	46.00	25.36	
	8.637	22.29	0.73	23.02	50.00	26.98	
	29.061	22.70	1.32	24.02	50.00	25.98	
Neutral	0.202	47.27	0.19	47.46	63.54	16.08	QP
	0.273	39.20	0.19	39.39	61.03	21.64	
	0.402	33.21	0.23	33.44	57.81	24.37	
	4.224	28.30	0.74	29.04	56.00	26.96	
	8.501	32.99	1.02	34.01	60.00	25.99	
	28.603	33.25	1.25	34.50	60.00	25.50	
	0.202	37.30	0.19	37.49	53.54	16.05	AV
	0.273	29.30	0.19	29.49	51.03	21.54	
	0.402	23.30	0.23	23.53	47.81	24.28	
	4.224	18.30	0.74	19.04	46.00	26.96	
	8.501	22.90	1.02	23.92	50.00	26.08	
	28.603	23.30	1.25	24.55	50.00	25.45	

TEST ENGINEER: WENCY YANG

EUT : LCD Monitor Temperature : 22°C

Model No. : IPS225VX Humidity : 48%RH

Serial No. : E1104223-01/01 Date of Test : Apr 18, 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	0.200	49.59	0.23	49.82	63.62	13.80	QP
	0.273	40.86	0.23	41.09	61.03	19.94	
	0.402	34.51	0.29	34.80	57.81	23.01	
	3.985	28.46	0.54	29.00	56.00	27.00	
	8.729	32.65	0.73	33.38	60.00	26.62	
	27.708	31.80	1.29	33.09	60.00	26.91	
	0.200	39.80	0.23	40.03	53.62	13.59	AV
	0.273	30.80	0.23	31.03	51.03	20.00	
	0.402	24.61	0.29	24.90	47.81	22.91	
	3.985	19.10	0.54	19.64	46.00	26.36	
	8.729	22.60	0.73	23.33	50.00	26.67	
	27.708	21.69	1.29	22.98	50.00	27.02	
Neutral	0.200	48.96	0.19	49.15	63.62	14.47	QP
	0.264	40.21	0.19	40.40	61.29	20.89	
	0.398	34.37	0.23	34.60	57.90	23.30	
	4.158	29.27	0.74	30.01	56.00	25.99	
	8.822	34.90	1.02	35.92	60.00	24.08	
	29.061	33.53	1.24	34.77	60.00	25.23	
	0.200	39.10	0.19	39.29	53.62	14.33	AV
	0.264	30.10	0.19	30.29	51.29	21.00	
	0.398	24.50	0.23	24.73	47.90	23.17	
	4.158	20.10	0.74	20.84	46.00	25.16	
	8.822	25.00	1.02	26.02	50.00	23.98	
	29.061	23.60	1.24	24.84	50.00	25.16	

TEST ENGINEER: WENCY YANG

EUT : LCD Monitor Temperature : 22°C

Model No. : IPS225VX Humidity : 48%RH

Serial No. : E1104223-01/01 Date of Test : Apr 18, 2011

Test Mode : DVI 1280*1024@75Hz

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.200	48.94	0.23	49.17	63.62	14.45	QP
	0.267	39.22	0.23	39.45	61.20	21.75	
	0.402	34.39	0.29	34.68	57.81	23.13	
	4.158	29.56	0.54	30.10	56.00	25.90	
	8.637	32.54	0.73	33.27	60.00	26.73	
	29.061	31.19	1.32	32.51	60.00	27.49	
	0.200	39.00	0.23	39.23	53.62	14.39	AV
	0.267	29.20	0.23	29.43	51.20	21.77	
	0.402	24.41	0.29	24.70	47.81	23.11	
	4.158	19.60	0.54	20.14	46.00	25.86	
	8.637	22.59	0.73	23.32	50.00	26.68	
	29.061	21.30	1.32	22.62	50.00	27.38	
Neutral	0.202	48.14	0.19	48.33	63.54	15.21	QP
	0.274	40.14	0.19	40.33	60.98	20.65	
	0.406	34.23	0.23	34.46	57.73	23.27	
	4.224	28.31	0.74	29.05	56.00	26.95	
	8.637	33.74	1.02	34.76	60.00	25.24	
	28.302	33.06	1.25	34.31	60.00	25.69	
	0.202	38.60	0.19	38.79	53.54	14.75	AV
	0.274	30.20	0.19	30.39	50.98	20.59	
	0.406	24.40	0.23	24.63	47.73	23.10	
	4.224	19.10	0.74	19.84	46.00	26.16	
	8.637	23.80	1.02	24.82	50.00	25.18	
	28.302	23.10	1.25	24.35	50.00	25.65	

TEST ENGINEER: WENCY YANG

EUT : LCD Monitor Temperature : 22°C

Model No. : IPS225VX Humidity : 48%RH

Serial No. : E1104223-01/01 Date of Test : Apr 18, 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	0.200	49.34	0.23	49.57	63.62	14.05	QP
	0.262	39.85	0.23	40.08	61.38	21.30	
	0.402	34.47	0.29	34.76	57.81	23.05	
	3.759	28.73	0.53	29.26	56.00	26.74	
	8.412	32.87	0.71	33.58	60.00	26.42	
	28.755	32.59	1.32	33.91	60.00	26.09	
	0.200	39.20	0.23	39.43	53.62	14.19	AV
	0.262	30.20	0.23	30.43	51.38	20.95	
	0.402	24.51	0.29	24.80	47.81	23.01	
	3.759	19.10	0.53	19.63	46.00	26.37	
	8.412	22.90	0.71	23.61	50.00	26.39	
	28.755	22.59	1.32	23.91	50.00	26.09	
Neutral	0.199	48.70	0.19	48.89	63.67	14.78	QP
	0.277	39.84	0.19	40.03	60.90	20.87	
	0.402	34.15	0.23	34.38	57.81	23.43	
	4.158	27.57	0.74	28.31	56.00	27.69	
	8.637	34.14	1.02	35.16	60.00	24.84	
	26.558	33.20	1.32	34.52	60.00	25.48	
	0.199	38.80	0.19	38.99	53.67	14.68	AV
	0.277	29.90	0.19	30.09	50.90	20.81	
	0.402	24.40	0.23	24.63	47.81	23.18	
	4.158	18.00	0.74	18.74	46.00	27.26	
	8.637	24.20	1.02	25.22	50.00	24.78	
	26.558	23.30	1.32	24.62	50.00	25.38	

TEST ENGINEER: WENCY YANG

EUT : LCD Monitor Temperature : 22°C

Model No. : IPS225VX Humidity : 48%RH

Serial No. : E1104223-01/01 Date of Test : Apr 18, 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	0.202	49.12	0.23	49.35	63.54	14.19	QP
	0.262	39.44	0.23	39.67	61.38	21.71	
	0.406	34.70	0.29	34.99	57.73	22.74	
	4.224	30.57	0.54	31.11	56.00	24.89	
	8.501	32.02	0.72	32.74	60.00	27.26	
	28.755	32.78	1.32	34.10	60.00	25.90	
	0.202	39.30	0.23	39.53	53.54	14.01	AV
	0.262	29.50	0.23	29.73	51.38	21.65	
	0.406	24.81	0.29	25.10	47.73	22.63	
	4.224	20.80	0.54	21.34	46.00	24.66	
	8.501	22.10	0.72	22.82	50.00	27.18	
	28.755	22.79	1.32	24.11	50.00	25.89	
Neutral	0.200	48.51	0.19	48.70	63.62	14.92	QP
	0.262	39.62	0.18	39.80	61.38	21.58	
	0.402	34.28	0.23	34.51	57.81	23.30	
	4.114	25.65	0.74	26.39	56.00	29.61	
	8.501	34.54	1.02	35.56	60.00	24.44	
	28.302	33.29	1.25	34.54	60.00	25.46	
	0.200	38.60	0.19	38.79	53.62	14.83	AV
	0.262	30.11	0.18	30.29	51.38	21.09	
	0.402	24.30	0.23	24.53	47.81	23.28	
	4.114	15.70	0.74	16.44	46.00	29.56	
	8.501	24.80	1.02	25.82	50.00	24.18	
	28.302	23.20	1.25	24.45	50.00	25.55	

TEST ENGINEER: WENCY YANG

EUT : LCD Monitor Temperature : 22°C

Model No. : IPS225VX Humidity : 48%RH

Serial No. : E1104223-01/01 Date of Test : Apr 18, 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	0.152	47.67	0.22	47.89	65.91	18.02	QP
	0.202	48.12	0.23	48.35	63.54	15.19	
	0.262	40.44	0.23	40.67	61.38	20.71	
	4.224	29.57	0.54	30.11	56.00	25.89	
	8.501	32.02	0.72	32.74	60.00	27.26	
	28.755	33.78	1.32	35.10	60.00	24.90	
	0.152	37.70	0.22	37.92	55.91	17.99	AV
	0.202	38.00	0.23	38.23	53.54	15.31	
	0.262	30.50	0.23	30.73	51.38	20.65	
	4.224	19.60	0.54	20.14	46.00	25.86	
	8.501	22.10	0.72	22.82	50.00	27.18	
	28.755	23.49	1.32	24.81	50.00	25.19	
Neutral	0.155	46.62	0.19	46.81	65.74	18.93	QP
	0.202	46.96	0.19	47.15	63.54	16.39	
	0.280	40.31	0.19	40.50	60.81	20.31	
	5.961	29.93	0.87	30.80	60.00	29.20	
	8.501	34.54	1.02	35.56	60.00	24.44	
	28.302	34.29	1.25	35.54	60.00	24.46	
	0.155	36.70	0.19	36.89	55.74	18.85	AV
	0.202	37.00	0.19	37.19	53.54	16.35	
	0.280	30.20	0.19	30.39	50.81	20.42	
	5.961	20.00	0.87	20.87	50.00	29.13	
	8.501	24.50	1.02	25.52	50.00	24.48	
	28.302	24.30	1.25	25.55	50.00	24.45	

TEST ENGINEER: WENCY YANG

EUT : LCD Monitor Temperature : 22°C

Model No. : IPS225VX Humidity : 48%RH

Serial No. : E1104223-01/01 Date of Test : Apr 18, 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	0.200	49.34	0.23	49.57	63.62	14.05	QP
	0.277	36.90	0.23	37.13	60.90	23.77	
	0.402	35.47	0.29	35.76	57.81	22.05	
	0.604	29.36	0.36	29.72	56.00	26.28	
	3.759	30.73	0.53	31.26	56.00	24.74	
	8.412	31.87	0.71	32.58	60.00	27.42	
	0.200	39.30	0.23	39.53	53.62	14.09	AV
	0.277	26.70	0.23	26.93	50.90	23.97	
	0.402	25.91	0.29	26.20	47.81	21.61	
	0.604	19.50	0.36	19.86	46.00	26.14	
	3.759	20.80	0.53	21.33	46.00	24.67	
	8.412	21.70	0.71	22.41	50.00	27.59	
Neutral	0.152	50.41	0.19	50.60	65.91	15.31	QP
	0.199	48.70	0.19	48.89	63.67	14.78	
	0.277	38.84	0.19	39.03	60.90	21.87	
	0.402	33.15	0.23	33.38	57.81	24.43	
	6.186	30.15	0.90	31.05	60.00	28.95	
	8.637	33.14	1.02	34.16	60.00	25.84	
	0.152	40.50	0.19	40.69	55.91	15.22	AV
	0.199	38.80	0.19	38.99	53.67	14.68	
	0.277	29.00	0.19	29.19	50.90	21.71	
	0.402	23.30	0.23	23.53	47.81	24.28	
	6.186	20.20	0.90	21.10	50.00	28.90	
	8.637	23.20	1.02	24.22	50.00	25.78	

TEST ENGINEER: WENCY YANG

EUT : LCD Monitor Temperature : 22°C

Model No. : IPS225VX Humidity : 48%RH

Serial No. : E1104223-01/01 Date of Test : Apr 18, 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	0.200	48.59	0.23	48.82	63.62	14.80	QP
	0.273	41.86	0.23	42.09	61.03	18.94	
	0.402	35.51	0.29	35.80	57.81	22.01	
	0.604	28.99	0.36	29.35	56.00	26.65	
	3.985	30.46	0.54	31.00	56.00	25.00	
	8.729	30.65	0.73	31.38	60.00	28.62	
	0.200	38.80	0.23	39.03	53.62	14.59	AV
	0.273	31.60	0.23	31.83	51.03	19.20	
	0.402	25.51	0.29	25.80	47.81	22.01	
	0.604	19.00	0.36	19.36	46.00	26.64	
	3.985	19.90	0.54	20.44	46.00	25.56	
	8.729	20.80	0.73	21.53	50.00	28.47	
Neutral	0.200	48.96	0.19	49.15	63.62	14.47	QP
	0.264	39.21	0.19	39.40	61.29	21.89	
	0.398	33.37	0.23	33.60	57.90	24.30	
	0.598	25.75	0.26	26.01	56.00	29.99	
	4.158	29.27	0.74	30.01	56.00	25.99	
	8.822	33.90	1.02	34.92	60.00	25.08	
	0.200	38.60	0.19	38.79	53.62	14.83	AV
	0.264	29.20	0.19	29.39	51.29	21.90	
	0.398	23.50	0.23	23.73	47.90	24.17	
	0.598	15.80	0.26	16.06	46.00	29.94	
	4.158	19.50	0.74	20.24	46.00	25.76	
	8.822	23.90	1.02	24.92	50.00	25.08	

TEST ENGINEER: WENCY YANG

4 RADIATED EMISSION TEST

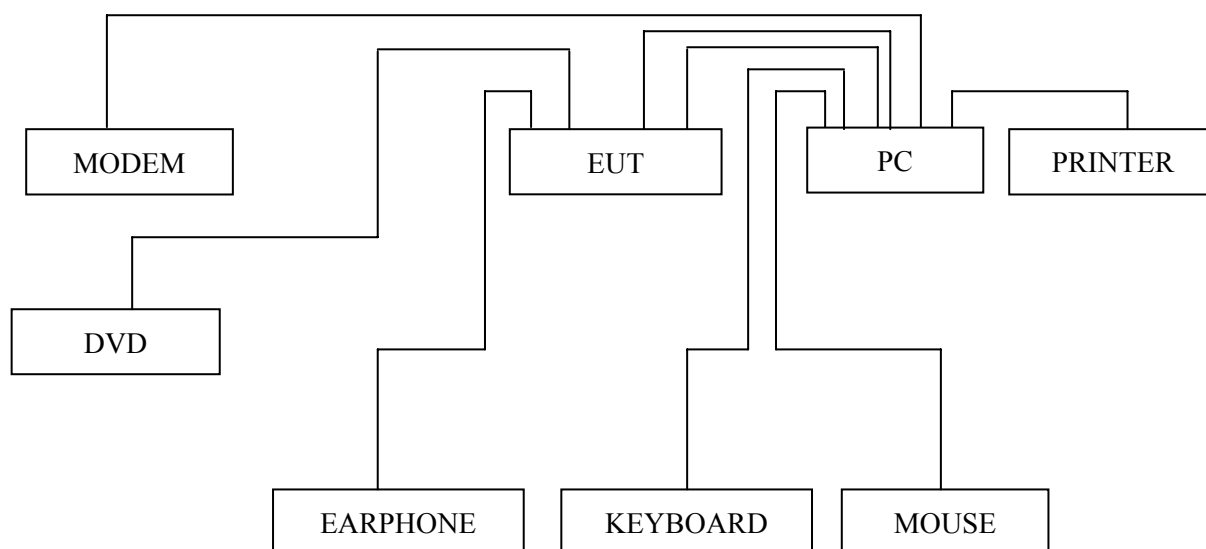
4.1 Test Equipment

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	Mar 18, 2011	Sep 18, 2011
3.	Preamplifier	HP	8449B	3008A00864	Mar 22, 2011	Mar 22, 2012
4.	Bi-log Antenna	TESEQ	CBL6112D	23192	Dec 01, 2010	Dec 01, 2011
5.	Horn Antenna	EMCO	3115	9607-4878	May 13, 2010	May 13, 2011
6.	Spectrum	Agilent	E7405A	MY45106600	Mar 22, 2011	Mar 22, 2012
7.	50 Ω Coaxial Switch	Anritsu	MP59B	6200426390	Mar 18, 2011	Sep 18, 2011
8.	Software	Audix	E3	SET00200 9912M295-2	--	--

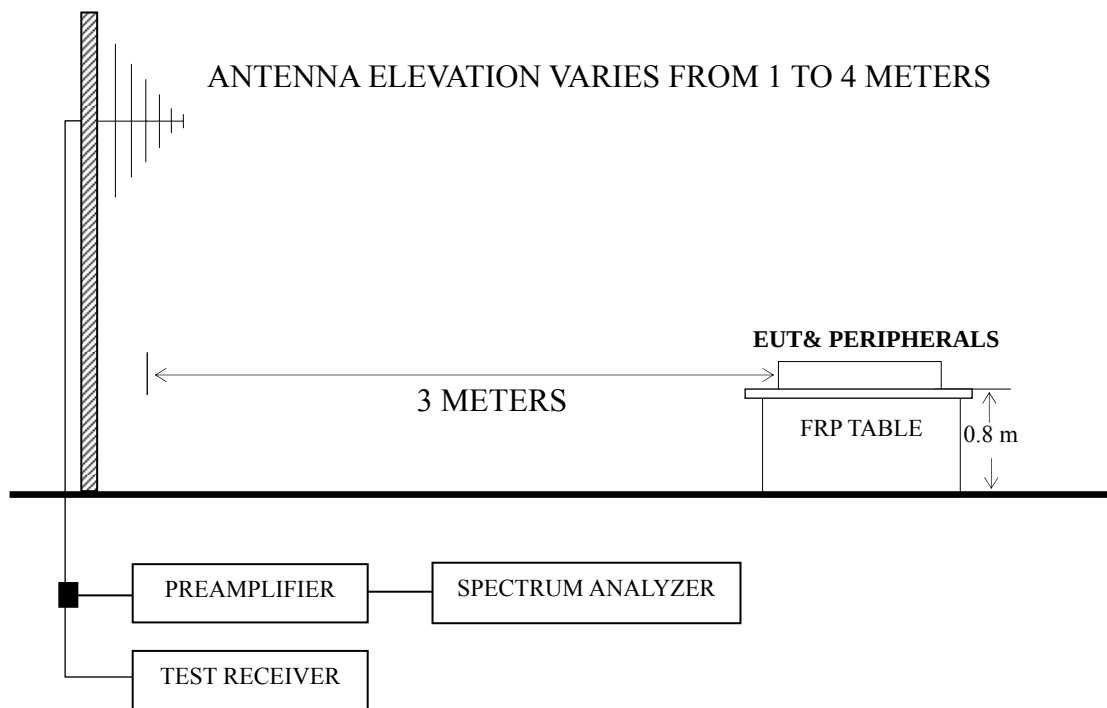
4.2 Block Diagram of Test Setup

4.2.1 EUT and Peripherals



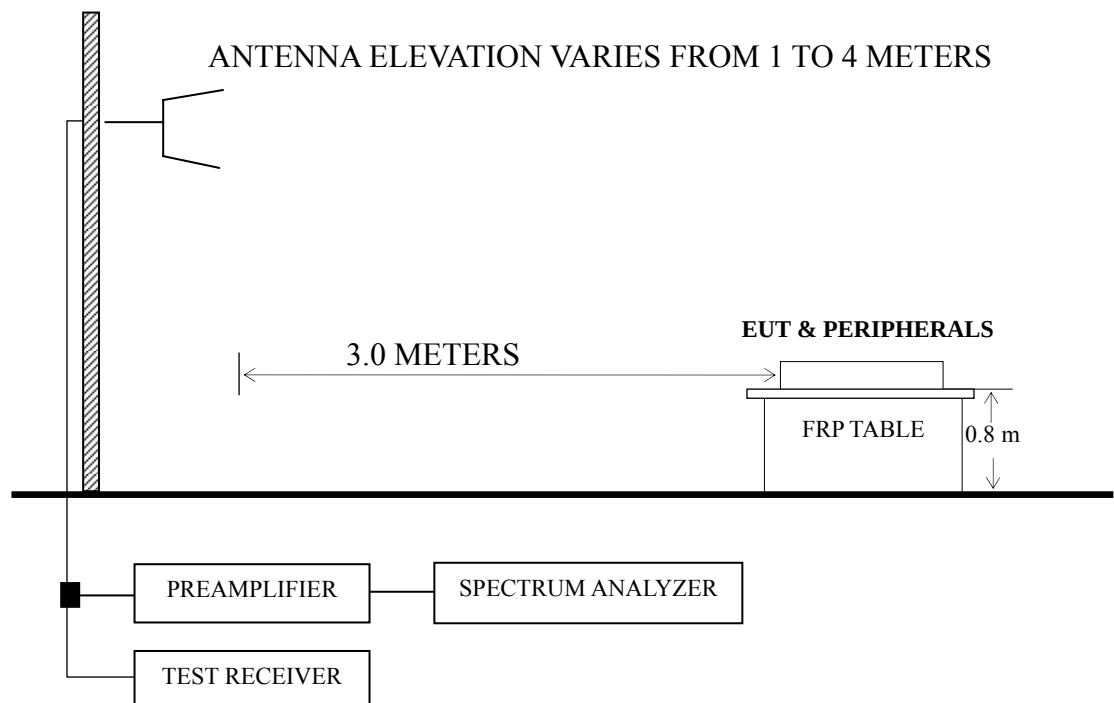
4.2.2 Radiated emission test setup

4.2.2.1 Below 1GHz



■ : 50 ohm Coaxial Switch

4.2.2.2 Above 1GHz



■ : 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) or Horn Antenna was used as receiving antenna. The antenna moved up and down between 1 meter and 4 meters to find out the maximum emission level. Both horizontal and vertical polarizations of the antenna were set on measurement. In order to find the maximum emission, all of the interference cables were manipulated according to ANSI C63.4:2003 requirements during radiated emission test.

The I.F. bandwidth of Test Receiver R&S ESVS10 was set at 120 kHz below 1GHz and The Spectrum Agilent E7405A was set at 1MHz above 1GHz.

The frequency range from 30 MHz to 1000MHz was checked for all test modes.

The frequency range from 1 GHz to 2 GHz was checked for D-Sub/DVI 1280*1024@75Hz, 1680*1050@60Hz, 1920*1080@60Hz and HDMI 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@75Hz	P29 – P30
D-Sub 1680*1050@60Hz	P31 – P32
D-Sub 1920*1080@60Hz	P33 – P34
DVI 640*480@60Hz	P35
DVI 1280*1024@75Hz	P36 – P37
DVI 1680*1050@60Hz	P38 – P39
DVI 1920*1080@60Hz	P40 – P41
HDMI 480i	P42
HDMI 720p	P43
HDMI 1080p	P44
HDMI 1920*1080@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 1920*1080@60Hz test mode. The worst emission at horizontal polarization was detected at 592.200 MHz with corrected signal level of 43.11 dB ($\mu\text{V/m}$) (limit is 46.00 dB ($\mu\text{V/m}$)), when the antenna was 1.00 m height and the turntable was at 110° . The worst emission at vertical polarization was detected at 342.340 MHz with corrected signal level of 41.24 dB ($\mu\text{V/m}$) (limit is 46.00 dB ($\mu\text{V/m}$)), when the antenna was 1.00 m height and the turntable was at 45° .

EUT : LCD Monitor Temperature : 22°C

Model No. : IPS225VX Humidity : 60%RH

Serial No. : E1104223-01/01 Date of Test : Apr 20, 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	85.290	13.65	10.80	1.66	26.11	40.00	13.89
	209.450	19.12	10.18	2.46	31.76	43.50	11.74
	256.010	20.73	12.27	2.63	35.63	46.00	10.37
	342.340	22.74	14.91	2.86	40.51	46.00	5.49
	422.850	19.48	16.59	3.04	39.11	46.00	6.89
	591.630	11.42	18.16	3.45	33.03	46.00	12.97
Vertical	85.290	22.44	10.80	1.66	34.90	40.00	5.10
	170.650	20.50	10.10	2.32	32.92	43.50	10.58
	256.010	27.14	12.27	2.63	42.04	46.00	3.96
	426.730	21.42	16.64	3.06	41.12	46.00	4.88
	597.000	21.00	18.19	3.45	42.64	46.00	3.36
	762.350	13.07	20.20	3.82	37.09	46.00	8.91

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : IPS225VX Humidity : 60%RH

Serial No. : E1104223-01/01 Date of Test : Apr 20, 2011

Test Mode : D-Sub 1280*1024@75Hz

Polarization	Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
Horizontal	36.790	13.55	14.57	0.85	--	28.97	40.00	11.03	QP
	43.580	15.88	10.86	0.89	--	27.63	40.00	12.37	
	115.360	19.97	11.09	1.98	--	33.04	43.50	10.46	
	225.940	22.24	10.88	2.52	--	35.64	46.00	10.36	
	287.050	19.60	13.35	2.72	--	35.67	46.00	10.33	
	525.670	13.60	17.76	3.31	--	34.67	46.00	11.33	
	1074.000	48.57	25.21	5.27	38.04	41.01	74.00	32.99	PK
	1205.000	45.88	25.85	5.37	37.75	39.35	74.00	34.65	
	1328.000	45.68	26.44	5.51	37.44	40.19	74.00	33.81	
	1467.000	44.40	26.92	5.72	37.04	40.00	74.00	34.00	
	1593.000	45.83	27.07	5.93	36.77	42.06	74.00	31.94	
	1664.000	43.52	27.14	6.03	36.64	40.05	74.00	33.95	
	1074.000	37.57	25.21	5.27	38.04	30.01	54.00	23.99	AV
	1205.000	33.88	25.85	5.37	37.75	27.35	54.00	26.65	
	1328.000	34.68	26.44	5.51	37.44	29.19	54.00	24.81	
	1467.000	37.40	26.92	5.72	37.04	33.00	54.00	21.00	
	1593.000	36.83	27.07	5.93	36.77	33.06	54.00	20.94	
	1664.000	31.52	27.14	6.03	36.64	28.05	54.00	25.95	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : IPS225VX Humidity : 60%RH

Serial No. : E1104223-01/01 Date of Test : Apr 20, 2011

Test Mode : D-Sub 1280*1024@75Hz

Polarization	Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
Vertical	74.620	10.91	10.21	1.51	--	22.63	40.00	17.37	QP
	148.340	14.94	10.44	2.22	--	27.60	43.50	15.90	
	218.180	24.02	10.52	2.50	--	37.04	46.00	8.96	
	296.750	19.09	13.63	2.75	--	35.47	46.00	10.53	
	446.130	15.31	16.92	3.11	--	35.34	46.00	10.66	
	505.300	14.75	17.62	3.28	--	35.65	46.00	10.35	
	1148.000	49.25	23.42	4.51	37.88	39.30	74.00	34.70	PK
	1275.000	40.18	24.32	4.53	37.57	31.46	74.00	42.54	
	1379.000	40.97	25.05	4.54	37.29	33.27	74.00	40.73	
	1505.000	40.94	25.84	4.55	36.96	34.37	74.00	39.63	
	1639.000	41.67	26.50	4.57	36.68	36.06	74.00	37.94	
	1756.000	38.93	26.80	4.58	36.50	33.81	74.00	40.19	
	1148.000	40.25	23.42	4.51	37.88	30.30	54.00	23.70	AV
	1275.000	29.18	24.32	4.53	37.57	20.46	54.00	33.54	
	1379.000	31.97	25.05	4.54	37.29	24.27	54.00	29.73	
	1505.000	31.94	25.84	4.55	36.96	25.37	54.00	28.63	
	1639.000	32.67	26.50	4.57	36.68	27.06	54.00	26.94	
	1756.000	26.93	26.80	4.58	36.50	21.81	54.00	32.19	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : IPS225VX Humidity : 60%RH

Serial No. : E1104223-01/01 Date of Test : Apr 20, 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	85.290	15.83	10.80	1.66	--	28.29	40.00	11.71	QP
	171.620	22.04	10.09	2.32	--	34.45	43.50	9.05	
	256.010	22.90	12.27	2.63	--	37.80	46.00	8.20	
	344.280	20.30	14.96	2.86	--	38.12	46.00	7.88	
	425.760	17.48	16.64	3.06	--	37.18	46.00	8.82	
	515.970	14.84	17.69	3.30	--	35.83	46.00	10.17	
	1074.000	53.57	25.21	5.27	38.04	46.01	74.00	27.99	PK
	1205.000	50.88	25.85	5.37	37.75	44.35	74.00	29.65	
	1328.000	50.68	26.44	5.51	37.44	45.19	74.00	28.81	
	1467.000	49.40	26.92	5.72	37.04	45.00	74.00	29.00	
	1593.000	50.83	27.07	5.93	36.77	47.06	74.00	26.94	
	1811.000	47.48	27.27	6.23	36.42	44.56	74.00	29.44	
	1074.000	43.57	25.21	5.27	38.04	36.01	54.00	17.99	AV
	1205.000	41.88	25.85	5.37	37.75	35.35	54.00	18.65	
	1328.000	39.68	26.44	5.51	37.44	34.19	54.00	19.81	
	1467.000	38.40	26.92	5.72	37.04	34.00	54.00	20.00	
	1593.000	42.83	27.07	5.93	36.77	39.06	54.00	14.94	
	1811.000	37.48	27.27	6.23	36.42	34.56	54.00	19.44	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : IPS225VX Humidity : 60%RH

Serial No. : E1104223-01/01 Date of Test : Apr 20, 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	86.260	24.30	10.83	1.68	--	36.81	40.00	3.19	QP
	115.360	21.21	11.09	1.98	--	34.28	43.50	9.22	
	171.620	21.93	10.09	2.32	--	34.34	43.50	9.16	
	373.380	13.75	15.72	2.93	--	32.40	46.00	13.60	
	425.760	17.93	16.64	3.06	--	37.63	46.00	8.37	
	601.000	20.00	18.23	3.47	--	41.70	46.00	4.30	
	1076.000	57.27	22.92	4.50	38.04	46.65	74.00	27.35	PK
	1354.000	48.00	24.90	4.54	37.37	40.07	74.00	33.93	
	1453.000	49.28	25.53	4.55	37.08	42.28	74.00	31.72	
	1639.000	49.67	26.50	4.57	36.68	44.06	74.00	29.94	
	1756.000	46.93	26.80	4.58	36.50	41.81	74.00	32.19	
	1964.000	48.14	27.91	4.75	36.24	44.56	74.00	29.44	
	1076.000	49.27	22.92	4.50	38.04	38.65	54.00	15.35	AV
	1354.000	36.00	24.90	4.54	37.37	28.07	54.00	25.93	
	1453.000	38.28	25.53	4.55	37.08	31.28	54.00	22.72	
	1639.000	39.67	26.50	4.57	36.68	34.06	54.00	19.94	
	1756.000	39.93	26.80	4.58	36.50	34.81	54.00	19.19	
	1964.000	39.14	27.91	4.75	36.24	35.56	54.00	18.44	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : IPS225VX Humidity : 60%RH

Serial No. : E1104223-01/01 Date of Test : Apr 20, 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	85.290	23.38	10.80	1.66	--	35.84	40.00	4.16	QP
	114.390	20.95	11.10	1.97	--	34.02	43.50	9.48	
	257.950	25.40	12.31	2.63	--	40.34	46.00	5.66	
	425.760	19.56	16.64	3.06	--	39.26	46.00	6.74	
	597.450	19.03	18.19	3.45	--	40.67	46.00	5.33	
	686.690	16.35	19.33	3.66	--	39.34	46.00	6.66	
	1074.000	45.57	25.21	5.27	38.04	38.01	74.00	35.99	PK
	1328.000	42.68	26.44	5.51	37.44	37.19	74.00	36.81	
	1467.000	41.40	26.92	5.72	37.04	37.00	74.00	37.00	
	1593.000	42.83	27.07	5.93	36.77	39.06	74.00	34.94	
	1673.000	40.22	27.14	6.03	36.62	36.77	74.00	37.23	
	1811.000	39.48	27.27	6.23	36.42	36.56	74.00	37.44	
	1074.000	34.57	25.21	5.27	38.04	27.01	54.00	26.99	AV
	1328.000	30.68	26.44	5.51	37.44	25.19	54.00	28.81	
	1467.000	30.40	26.92	5.72	37.04	26.00	54.00	28.00	
	1593.000	34.83	27.07	5.93	36.77	31.06	54.00	22.94	
	1673.000	34.22	27.14	6.03	36.62	30.77	54.00	23.23	
	1811.000	31.48	27.27	6.23	36.42	28.56	54.00	25.44	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : IPS225VX Humidity : 60%RH

Serial No. : E1104223-01/01 Date of Test : Apr 20, 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	85.290	15.44	10.80	1.66	--	27.90	40.00	12.10	QP
	209.450	20.74	10.18	2.46	--	33.38	43.50	10.12	
	256.980	25.30	12.27	2.63	--	40.20	46.00	5.80	
	344.280	20.30	14.96	2.86	--	38.12	46.00	7.88	
	429.640	15.75	16.69	3.08	--	35.52	46.00	10.48	
	515.970	13.82	17.69	3.30	--	34.81	46.00	11.19	
	1076.000	51.27	22.92	4.50	38.04	40.65	74.00	33.35	PK
	1275.000	42.18	24.32	4.53	37.57	33.46	74.00	40.54	
	1429.000	43.20	25.38	4.54	37.15	35.97	74.00	38.03	
	1527.000	43.35	26.00	4.55	36.90	37.00	74.00	37.00	
	1639.000	43.67	26.50	4.57	36.68	38.06	74.00	35.94	
	1756.000	40.93	26.80	4.58	36.50	35.81	74.00	38.19	
	1076.000	40.27	22.92	4.50	38.04	29.65	54.00	24.35	AV
	1275.000	30.18	24.32	4.53	37.57	21.46	54.00	32.54	
	1429.000	32.20	25.38	4.54	37.15	24.97	54.00	29.03	
	1527.000	31.35	26.00	4.55	36.90	25.00	54.00	29.00	
	1639.000	35.67	26.50	4.57	36.68	30.06	54.00	23.94	
	1756.000	30.93	26.80	4.58	36.50	25.81	54.00	28.19	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : IPS225VX Humidity : 60%RH

Serial No. : E1104223-01/01 Date of Test : Apr 20, 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	73.650	8.72	10.15	1.49	20.36	40.00	19.64
	149.310	13.11	10.43	2.23	25.77	43.50	17.73
	216.240	24.27	10.45	2.49	37.21	46.00	8.79
	357.860	14.64	15.33	2.90	32.87	46.00	13.13
	395.690	11.00	16.20	2.98	30.18	46.00	15.82
	737.130	6.32	19.90	3.78	30.00	46.00	16.00
Vertical	35.820	16.62	15.19	0.84	32.65	40.00	7.35
	84.320	17.65	10.75	1.64	30.04	40.00	9.96
	114.390	20.90	11.10	1.97	33.97	43.50	9.53
	219.150	19.77	10.56	2.50	32.83	46.00	13.17
	288.020	16.97	13.39	2.72	33.08	46.00	12.92
	577.080	11.32	18.08	3.42	32.82	46.00	13.18

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : IPS225VX Humidity : 60%RH

Serial No. : E1104223-01/01 Date of Test : Apr 20, 2011

Test Mode : DVI 1280*1024@75Hz

Polarization	Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
Horizontal	71.710	18.58	9.99	1.45	--	30.02	40.00	9.98	QP
	115.360	20.28	11.09	1.98	--	33.35	43.50	10.15	
	236.610	18.69	11.37	2.56	--	32.62	46.00	13.38	
	286.080	20.84	13.32	2.72	--	36.88	46.00	9.12	
	602.300	10.78	18.23	3.47	--	32.48	46.00	13.52	
	872.930	15.51	20.37	4.60	--	40.48	46.00	5.52	
	1075.000	53.81	22.92	4.50	37.26	43.97	74.00	30.03	PK
	1250.000	51.57	24.10	4.52	36.90	43.29	74.00	30.71	
	1365.000	52.94	24.98	4.54	36.62	45.84	74.00	28.16	
	1595.000	49.77	26.36	4.56	36.11	44.58	74.00	29.42	
	1720.000	47.46	26.71	4.57	35.92	42.82	74.00	31.18	
	1850.000	46.84	27.17	4.64	35.75	42.90	74.00	31.10	
	1075.000	47.81	22.92	4.50	37.26	37.97	54.00	16.03	AV
	1250.000	36.57	24.10	4.52	36.90	28.29	54.00	25.71	
	1365.000	36.94	24.98	4.54	36.62	29.84	54.00	24.16	
	1595.000	37.77	26.36	4.56	36.11	32.58	54.00	21.42	
	1720.000	37.46	26.71	4.57	35.92	32.82	54.00	21.18	
	1850.000	36.84	27.17	4.64	35.75	32.90	54.00	21.10	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : IPS225VX Humidity : 60%RH

Serial No. : E1104223-01/01 Date of Test : Apr 20, 2011

Test Mode : DVI 1280*1024@75Hz

Polarization	Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
Vertical	71.710	12.52	9.99	1.45	--	23.96	40.00	16.04	QP
	120.210	16.34	11.00	2.03	--	29.37	43.50	14.13	
	217.210	23.94	10.48	2.50	--	36.92	46.00	9.08	
	288.020	16.28	13.39	2.72	--	32.39	46.00	13.61	
	359.800	13.27	15.41	2.90	--	31.58	46.00	14.42	
	483.960	9.15	17.42	3.23	--	29.80	46.00	16.20	
	1080.000	49.22	22.95	4.50	37.25	39.42	74.00	34.58	PK
	1185.000	49.35	23.62	4.51	37.04	40.44	74.00	33.56	
	1315.000	52.22	24.62	4.53	36.75	44.62	74.00	29.38	
	1520.000	43.62	25.96	4.55	36.24	37.89	74.00	36.11	
	1600.000	48.54	26.40	4.56	36.10	43.40	74.00	30.60	
	1760.000	51.78	26.81	4.58	35.86	47.31	74.00	26.69	
	1080.000	45.22	22.95	4.50	37.25	35.42	54.00	18.58	AV
	1185.000	37.35	23.62	4.51	37.04	28.44	54.00	25.56	
	1315.000	39.22	24.62	4.53	36.75	31.62	54.00	22.38	
	1520.000	32.62	25.96	4.55	36.24	26.89	54.00	27.11	
	1600.000	38.54	26.40	4.56	36.10	33.40	54.00	20.60	
	1760.000	39.78	26.81	4.58	35.86	35.31	54.00	18.69	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : IPS225VX Humidity : 60%RH

Serial No. : E1104223-01/01 Date of Test : Apr 20, 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	71.710	8.81	9.99	1.45	--	20.25	40.00	19.75	QP
	144.460	13.21	10.52	2.19	--	25.92	43.50	17.58	
	218.180	24.76	10.52	2.50	--	37.78	46.00	8.22	
	288.020	16.43	13.39	2.72	--	32.54	46.00	13.46	
	366.590	14.86	15.57	2.92	--	33.35	46.00	12.65	
	481.050	9.79	17.39	3.21	--	30.39	46.00	15.61	
	1075.000	47.81	22.92	4.50	37.26	37.97	74.00	36.03	PK
	1250.000	44.57	24.10	4.52	36.90	36.29	74.00	37.71	
	1365.000	43.94	24.98	4.54	36.62	36.84	74.00	37.16	
	1520.000	35.65	25.96	4.55	36.24	29.92	74.00	44.08	
	1665.000	38.06	26.56	4.57	36.00	33.19	74.00	40.81	
	1760.000	39.87	26.81	4.58	35.86	35.40	74.00	38.60	
	1075.000	41.81	22.92	4.50	37.26	31.97	54.00	22.03	AV
	1250.000	32.57	24.10	4.52	36.90	24.29	54.00	29.71	
	1365.000	27.94	24.98	4.54	36.62	20.84	54.00	33.16	
	1520.000	21.65	25.96	4.55	36.24	15.92	54.00	38.08	
	1665.000	27.06	26.56	4.57	36.00	22.19	54.00	31.81	
	1760.000	29.87	26.81	4.58	35.86	25.40	54.00	28.60	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : IPS225VX Humidity : 60%RH

Serial No. : E1104223-01/01 Date of Test : Apr 20, 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	43.580	15.36	10.86	0.89	--	27.11	40.00	12.89	QP
	84.320	17.82	10.75	1.64	--	30.21	40.00	9.79	
	115.360	20.98	11.09	1.98	--	34.05	43.50	9.45	
	215.270	17.72	10.41	2.49	--	30.62	43.50	12.88	
	288.020	16.08	13.39	2.72	--	32.19	46.00	13.81	
	524.700	12.01	17.74	3.31	--	33.06	46.00	12.94	
	1080.000	50.22	22.95	4.50	37.25	40.42	74.00	33.58	PK
	1185.000	49.35	23.62	4.51	37.04	40.44	74.00	33.56	
	1315.000	49.22	24.62	4.53	36.75	41.62	74.00	32.38	
	1500.000	45.93	25.80	4.55	36.30	39.98	74.00	34.02	
	1600.000	51.54	26.40	4.56	36.10	46.40	74.00	27.60	
	1760.000	52.78	26.81	4.58	35.86	48.31	74.00	25.69	
	1080.000	40.22	22.95	4.50	37.25	30.42	54.00	23.58	AV
	1185.000	35.35	23.62	4.51	37.04	26.44	54.00	27.56	
	1315.000	37.22	24.62	4.53	36.75	29.62	54.00	24.38	
	1500.000	36.93	25.80	4.55	36.30	30.98	54.00	23.02	
	1600.000	38.54	26.40	4.56	36.10	33.40	54.00	20.60	
	1760.000	44.78	26.81	4.58	35.86	40.31	54.00	13.69	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : IPS225VX Humidity : 60%RH

Serial No. : E1104223-01/01 Date of Test : Apr 20, 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	116.330	21.10	11.07	2.00	--	34.17	43.50	9.33	QP
	169.680	21.59	10.11	2.32	--	34.02	43.50	9.48	
	256.980	26.34	12.27	2.63	--	41.24	46.00	4.76	
	422.850	22.29	16.59	3.04	--	41.92	46.00	4.08	
	592.000	21.50	18.16	3.45	--	43.11	46.00	2.89	
	768.170	14.08	20.27	3.84	--	38.19	46.00	7.81	
	1075.000	50.81	22.92	4.50	37.26	40.97	74.00	33.03	PK
	1180.000	50.20	23.59	4.51	37.05	41.25	74.00	32.75	
	1365.000	50.94	24.98	4.54	36.62	43.84	74.00	30.16	
	1465.000	45.89	25.60	4.55	36.37	39.67	74.00	34.33	
	1665.000	45.06	26.56	4.57	36.00	40.19	74.00	33.81	
	1760.000	47.87	26.81	4.58	35.86	43.40	74.00	30.60	
	1075.000	45.81	22.92	4.50	37.26	35.97	54.00	18.03	AV
	1180.000	37.20	23.59	4.51	37.05	28.25	54.00	25.75	
	1365.000	37.94	24.98	4.54	36.62	30.84	54.00	23.16	
	1465.000	28.89	25.60	4.55	36.37	22.67	54.00	31.33	
	1665.000	37.06	26.56	4.57	36.00	32.19	54.00	21.81	
	1760.000	36.87	26.81	4.58	35.86	32.40	54.00	21.60	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : IPS225VX Humidity : 60%RH

Serial No. : E1104223-01/01 Date of Test : Apr 20, 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	169.680	18.71	10.11	2.32	--	31.14	43.50	12.36	QP
	197.810	20.40	9.82	2.42	--	32.64	43.50	10.86	
	254.070	22.41	12.18	2.62	--	37.21	46.00	8.79	
	342.340	23.47	14.91	2.86	--	41.24	46.00	4.76	
	422.850	20.70	16.59	3.04	--	40.33	46.00	5.67	
	592.600	12.25	18.16	3.45	--	33.86	46.00	12.14	
	1080.000	53.22	22.95	4.50	37.25	43.42	74.00	30.58	PK
	1185.000	54.35	23.62	4.51	37.04	45.44	74.00	28.56	
	1315.000	50.22	24.62	4.53	36.75	42.62	74.00	31.38	
	1600.000	48.54	26.40	4.56	36.10	43.40	74.00	30.60	
	1760.000	46.78	26.81	4.58	35.86	42.31	74.00	31.69	
	1985.000	39.32	28.00	4.78	35.62	36.48	74.00	37.52	
	1080.000	47.22	22.95	4.50	37.25	37.42	54.00	16.58	AV
	1185.000	40.35	23.62	4.51	37.04	31.44	54.00	22.56	
	1315.000	33.22	24.62	4.53	36.75	25.62	54.00	28.38	
	1600.000	34.54	26.40	4.56	36.10	29.40	54.00	24.60	
	1760.000	32.78	26.81	4.58	35.86	28.31	54.00	25.69	
	1985.000	30.32	28.00	4.78	35.62	27.48	54.00	26.52	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : IPS225VX Humidity : 60%RH

Serial No. : E1104223-01/01 Date of Test : Apr 20, 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	87.230	17.84	10.88	0.98	29.70	40.00	10.30
	209.450	21.16	10.18	1.48	32.82	43.50	10.68
	272.000	21.00	12.86	1.68	35.54	46.00	10.46
	347.190	22.30	15.04	1.91	39.25	46.00	6.75
	619.760	17.46	18.46	2.50	38.42	46.00	7.58
	635.280	14.58	18.67	2.54	35.79	46.00	10.21
Vertical	48.430	13.60	9.02	0.77	23.39	40.00	16.61
	84.320	15.49	10.75	0.96	27.20	40.00	12.80
	163.860	18.92	10.20	1.30	30.42	43.50	13.08
	279.290	25.03	13.09	1.70	39.82	46.00	6.18
	487.840	15.61	17.46	2.24	35.31	46.00	10.69
	461.650	19.60	17.14	2.20	38.94	46.00	7.06

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : IPS225VX Humidity : 60%RH

Serial No. : E1104223-01/01 Date of Test : Apr 20, 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	30.000	14.60	18.30	0.63	33.53	40.00	6.47
	59.300	23.51	9.09	0.83	33.43	40.00	6.57
	148.500	24.90	10.44	1.23	36.57	43.50	6.93
	349.130	16.15	15.09	1.91	33.15	46.00	12.85
	678.930	15.16	19.26	2.63	37.05	46.00	8.95
	870.990	11.06	20.38	2.98	34.42	46.00	11.58
Vertical	48.430	24.68	9.02	0.77	34.47	40.00	5.53
	86.700	23.09	10.87	0.98	34.94	40.00	5.06
	203.630	20.67	9.94	1.46	32.07	43.50	11.43
	446.130	20.80	16.92	2.16	39.88	46.00	6.12
	594.000	19.61	18.17	2.44	40.22	46.00	5.78
	742.950	17.85	19.98	2.78	40.61	46.00	5.39

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : IPS225VX Humidity : 60%RH

Serial No. : E1104223-01/01 Date of Test : Apr 20, 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	31.940	13.82	17.29	0.65	31.76	40.00	8.24
	98.870	24.60	11.31	1.03	36.94	43.50	6.56
	149.310	25.14	10.43	1.24	36.81	43.50	6.69
	276.800	19.50	13.02	1.69	34.21	46.00	11.79
	407.330	16.02	16.39	2.08	34.49	46.00	11.51
	870.990	14.86	20.38	2.98	38.22	46.00	7.78
Vertical	87.230	21.33	10.88	0.98	33.19	40.00	6.81
	203.630	22.00	9.94	1.46	33.40	43.50	10.10
	163.860	18.92	10.20	1.30	30.42	43.50	13.08
	279.290	25.03	13.09	1.70	39.82	46.00	6.18
	487.840	15.61	17.46	2.24	35.31	46.00	10.69
	677.960	18.95	19.22	2.63	40.80	46.00	5.20

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : IPS225VX Humidity : 60%RH

Serial No. : E1104223-01/01 Date of Test : Apr 20, 2011

Test Mode : HDMI 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	62.980	16.25	9.36	0.86	--	26.47	40.00	13.53	QP
	138.640	21.26	10.65	1.21	--	33.12	43.50	10.38	
	182.290	24.23	9.97	1.38	--	35.58	43.50	7.92	
	419.940	22.99	16.55	2.10	--	41.64	46.00	4.36	
	557.000	22.10	17.96	2.36	--	42.42	46.00	3.58	
	698.000	20.10	19.47	2.67	--	42.24	46.00	3.76	
	1031.000	52.82	22.60	4.49	37.34	42.57	74.00	31.43	PK
	1200.000	52.51	23.70	4.51	37.00	43.72	74.00	30.28	
	1286.000	50.80	24.40	4.53	36.82	42.91	74.00	31.09	
	1396.000	49.57	25.16	4.54	36.55	42.72	74.00	31.28	
	1676.000	49.05	26.59	4.57	35.97	44.24	74.00	29.76	
	1799.000	50.35	26.90	4.58	35.81	46.02	74.00	27.98	
	1031.000	46.82	22.60	4.49	37.34	36.57	54.00	17.43	AV
	1200.000	41.51	23.70	4.51	37.00	32.72	54.00	21.28	
	1286.000	37.80	24.40	4.53	36.82	29.91	54.00	24.09	
	1396.000	41.57	25.16	4.54	36.55	34.72	54.00	19.28	
	1676.000	39.05	26.59	4.57	35.97	34.24	54.00	19.76	
	1799.000	41.35	26.90	4.58	35.81	37.02	54.00	16.98	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : IPS225VX Humidity : 60%RH

Serial No. : E1104223-01/01 Date of Test : Apr 20, 2011

Test Mode : HDMI 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	61.040	24.94	9.21	0.85	--	35.00	40.00	5.00	QP
	138.640	21.84	10.65	1.21	--	33.70	43.50	9.80	
	247.280	26.22	11.85	1.59	--	39.66	46.00	6.34	
	315.180	21.32	14.12	1.81	--	37.25	46.00	8.75	
	512.090	19.93	17.68	2.29	--	39.90	46.00	6.10	
	698.330	17.36	19.47	2.67	--	39.50	46.00	6.50	
	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

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
SPONGE	LG END 3940TKK043C	28*10*1	EXPAN Electronics SUZHOU Co., Ltd.	See Internal Photos Figure 11
SPONGE	LG END 3940TKK043C	120*10*1	EXPAN Electronics SUZHOU Co., Ltd.	See Internal Photos Figure 11
SPONGE	LG END 3940TKK043C	295*10*1	EXPAN Electronics SUZHOU Co., Ltd.	See Internal Photos Figure 11
SPONGE	LG END 3940TKK043C	155*10*1	EXPAN Electronics SUZHOU Co., Ltd.	See Internal Photos Figure 11
DVI EMI SPONGE	LG END 3940TKK043C	36*21*1T	EXPAN Electronics SUZHOU Co., Ltd.	See Internal Photos Figure 11
SPONGE	--	13*10*10T	EXPAN Electronics SUZHOU Co., Ltd.	See Internal Photos Figure 12

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)