

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

LCD Monitor

Model No.: E2351VZ

Serial No.: E11121472-01/01

FCC ID : BEJE2351VZ

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

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Date of Test : Dec 07 – 19, 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. : E2351VZ
(B) Serial No. : E11121472-01/01
(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) 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: E2351VZ; S/N: E11121472-01/01) which was tested in 3m anechoic chamber Dec 07 – 19, 2011 is technically compliance with the FCC official limits also.

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

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

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

Date of Test : Dec 07 – 19, 2011 Date of Report : Dec 28, 2011

Producer : Yenny Yu.
YENNY YU / Assistant

Review : Byron Wu
BYRON WU / Supervisor

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

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

1 SUMMARY OF STANDARDS AND RESULTS

1.1 Description of Standards and Results

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

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

2 GENERAL INFORMATION

2.1 Description of Equipment Under Test

Description : LCD Monitor

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

Model No. : E2351VZ

Serial No. : E11121472-01/01

Real Power : 29.20W (Adapter #1)
29.00W (Adapter #2)
21.70W (Adapter #3)
29.80W (Adapter #4)

AC Adapter #1 : Manufacturer : HONOR
Model Number : ADS-40SG-19-3 19032G
Input : 100-240V~, 50-60Hz 1.0A
Output : 19V $\overline{\text{---}}$ 1.7A
Output Cable : Unshielded, Undetachable, 1.8m

AC Adapter #2 : Manufacturer : LIEN CHANG
Model Number : LCAP21A
Input : 100-240V~, 50-60Hz 1.1A
Output : 19V $\overline{\text{---}}$ 1.7A
Output Cable : Unshielded, Undetachable, 1.8m,
with one core

AC Adapter #3 : Manufacturer : LIEN CHANG
Model Number : LCAP26A-*
(* can be A, E, I, B, LCAP26A-A was
selected as the test model.)
Input : 100-240V~, 50-60Hz 1.1A
Output : 19V $\overline{\text{---}}$ 1.7A
Output Cable : Unshielded, Undetachable, 1.8m

AC Adapter #4 : Manufacturer : HONOR
Model Number : ADS-40FSG-19 19032G***-1
(*** can be PG, PBR, PI, PCU,
ADS-40FSG-19 19032GPCU-1 was
selected as the test model.)
Input : 100-240V~, 50-60Hz 1.0A
Output : 19V $\overline{\text{---}}$ 1.7A
Output Cable : Unshielded, Undetachable, 1.8m

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

Manufacturer : LG Electronics Nanjing Display Co., Ltd.
No.346, Yao Xin Road, Economic & Technical
Development Zone, Nanjing, China

LCD Panel : Manufacturer: L&T Display Technology (Fujian) Ltd.
M/N : BM215WF4

Max Resolution : 1920*1080@60Hz

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

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

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

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

Power Cord : Unshielded, Detachable, 1.80m

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

Remark:

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

- (1) One D-Sub In Port : Connected with PC
- (2) One DVI Port : Connected with PC
- (3) One HDMI Port : Connected with PC
- (4) ne Earphone Port : Connected with Earphone / Headphone
- (5) One DC In Port : Connected with Adapter

2.2 Peripherals

2.2.1 PC

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

2.2.2 Graphics Card (Used in PC)

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

2.2.3 Printer

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

2.2.4 Keyboard

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

2.2.5 Mouse

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

2.2.6 Modem

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

2.2.7 Earphone

Manufacturer : SONY
Model Number : MDR-E808
Serial Number : 1808030805305506
Data Cable : Shielded, Detachable, 1.8m

2.3 Description of Test Facility

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

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

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

NVLAP Lab Code : 200371-0

2.4 Measurement Uncertainty

Conducted Emission Expanded Uncertainty: U = 3.38 dB

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

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

3 CONDUCTED EMISSION TEST

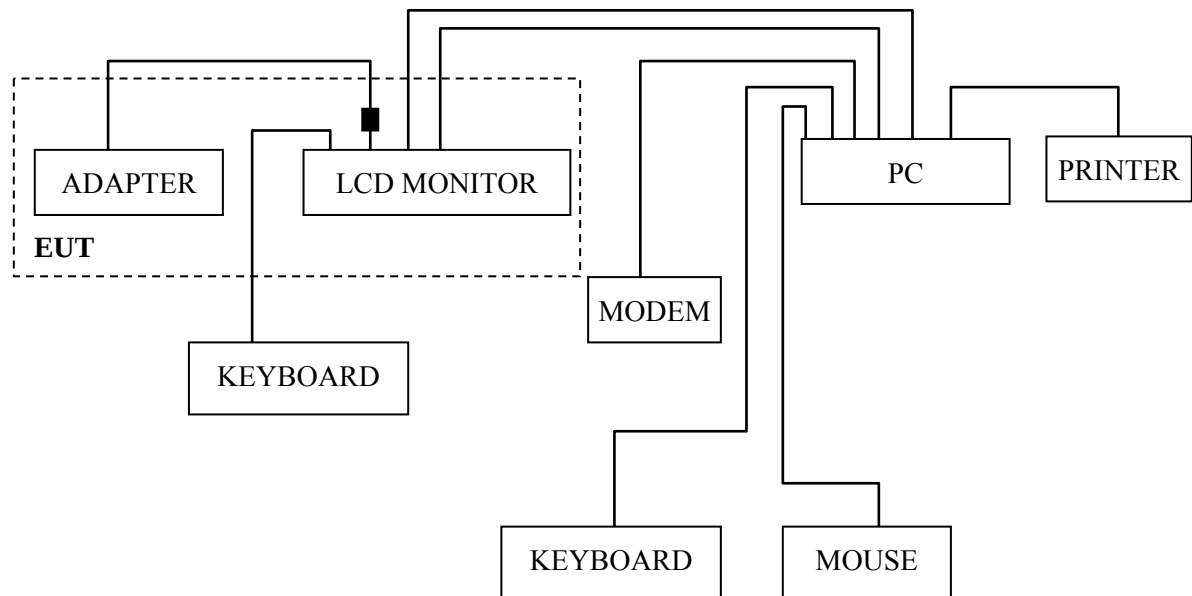
3.1 Test Equipment

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

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

3.2 Block Diagram of Test Setup

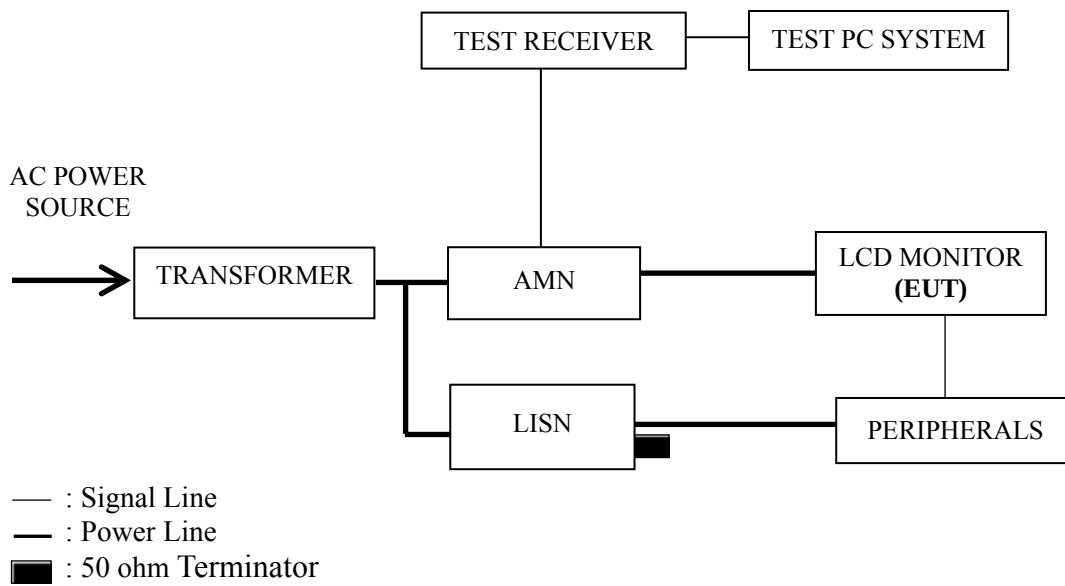
3.2.1 EUT & Peripherals



■ : Ferrite core

Note: Ferrite core only for Adapter #2

3.2.2 Conducted Disturbance Test Setup



3.3 Conducted Emission Limit [FCC Part 15 Subpart B 15.107(a)]

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

3.4 Test Configuration

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

3.5 Operating Condition of EUT

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

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

3.5.3 Set the contrast & brightness of EUT to maximum.

3.5.4 PC system ran the self-test program "EMC Test" by windows XP and sent "H" characters to EUT through graphic card (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/HDMI Input).

3.5.5 Repeat above procedure from 3.5.3 to 3.5.4 for difference test mode.

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

3.5.7 The test modes are as follows:

Adapter	Test Mode
Adapter #1	D-Sub 640*480@60Hz
	D-Sub 1280*1024@75Hz
	D-Sub 1680*1050@60Hz
	D-Sub 1920*1080@60Hz
	DVI 640*480@60Hz
	DVI 1280*1024@75Hz
	DVI 1680*1050@60Hz
	DVI 1920*1080@60Hz
	HDMI 640*480@60Hz
	HDMI 1280*1024@75Hz
	HDMI 1680*1050@60Hz
	HDMI 1920*1080@60Hz
Adapter #2	D-Sub 640*480@60Hz
Adapter #3	D-Sub 640*480@60Hz
Adapter #4	D-Sub 640*480@60Hz

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

3.6 Test Procedures

The EUT and peripherals were connected to the power mains through an Artificial Mains Network (AMN). This provided a 50 ohm coupling impedance for the measuring equipment.

Both sides of AC line (Line & Neutral) were checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables were changed or manipulated according to ANSI C63.4:2003 during conducted emission test.

The bandwidth of R&S Test Receiver ESCI was set at 9 kHz.

The frequency range from 150 kHz to 30 MHz was checked.

The test modes were done on conducted disturbance test and all the test results are listed in Sec. 3.7.

3.7 Test Results

< **PASS** >

The frequency and amplitude of the highest conducted emission relative to the limit is reported. All emissions not reported below are too low against the prescribed limits.

Adaptor	Test Mode	Page
Adapter #1	D-Sub 640*480@60Hz	P13
	D-Sub 1280*1024@75Hz	P14
	D-Sub 1680*1050@60Hz	P15
	D-Sub 1920*1080@60Hz	P16
	DVI 640*480@60Hz	P17
	DVI 1280*1024@75Hz	P18
	DVI 1680*1050@60Hz	P19
	DVI 1920*1080@60Hz	P20
	HDMI 640*480@60Hz	P21
	HDMI 1280*1024@75Hz	P22
	HDMI 1680*1050@60Hz	P23
	HDMI 1920*1080@60Hz	P24
Adapter #2	D-Sub 640*480@60Hz	P25
Adapter #3	D-Sub 640*480@60Hz	P26
Adapter #4	D-Sub 640*480@60Hz	P27

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

NOTE 2 – Factor = Cable Loss + AMN Factor.

NOTE 3 – Emission Level = Meter Reading + Factor.

NOTE 4 – “QP” means “Quasi-Peak” values, “AV” means “Average” values.

NOTE 5 – The worst case is for D-Sub 640*480@60Hz test mode (Adaptor #1). The worst emission is detected at 3.840 MHz (Average Value) with corrected signal level of 37.66 dB (μV) (limit is 46.00 dB (μV)), when the Neutral of the EUT is connected to AMN.

EUT : LCD Monitor Temperature : 22°C

Model No. : E2351VZ Humidity : 48%RH

Serial No. : E11121472-01/01 Date of Test : Dec 07, 2011

Test Mode : D-Sub 640*480@60Hz Adapter #1 : ADS-40SG-19-3
19032G

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.166	38.45	9.88	48.33	65.16	16.83	QP
	0.300	34.47	9.77	44.24	60.24	16.00	
	0.505	34.37	9.75	44.12	56.00	11.88	
	1.519	33.83	10.15	43.98	56.00	12.02	
	4.721	34.56	10.07	44.63	56.00	11.37	
	8.637	31.72	10.19	41.91	60.00	18.09	
	0.166	28.59	9.88	38.47	55.16	16.69	AV
	0.300	24.10	9.77	33.87	50.24	16.37	
	0.505	24.59	9.75	34.34	46.00	11.66	
	1.519	23.60	10.15	33.75	46.00	12.25	
	4.721	24.57	10.07	34.64	46.00	11.36	
	8.637	21.59	10.19	31.78	50.00	18.22	
Neutral	0.169	37.23	9.86	47.09	64.99	17.90	QP
	0.303	33.82	9.75	43.57	60.15	16.58	
	0.499	35.03	9.75	44.78	56.01	11.23	
	1.065	34.04	9.92	43.96	56.00	12.04	
	3.840	37.43	10.18	47.61	56.00	8.39	
	8.501	32.55	10.36	42.91	60.00	17.09	
	0.169	27.48	9.86	37.34	54.99	17.65	AV
	0.303	23.59	9.75	33.34	50.15	16.81	
	0.499	25.48	9.75	35.23	46.01	10.78	
	1.065	24.90	9.92	34.82	46.00	11.18	
	3.840	27.48	10.18	37.66	46.00	8.34	
	8.501	23.15	10.36	33.51	50.00	16.49	

TEST ENGINEER: WENCY YANG

EUT : LCD Monitor Temperature : 22°C

Model No. : E2351VZ Humidity : 48%RH

Serial No. : E11121472-01/01 Date of Test : Dec 07, 2011

Test Mode : D-Sub 1280*1024@75Hz Adapter #1 : ADS-40SG-19-3
19032G

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.186	37.00	9.80	46.80	64.20	17.40	QP
	0.313	34.54	9.76	44.30	59.88	15.58	
	0.499	35.15	9.75	44.90	56.01	11.11	
	1.262	33.68	10.20	43.88	56.00	12.12	
	3.547	35.52	10.07	45.59	56.00	10.41	
	8.501	32.88	10.19	43.07	60.00	16.93	
	0.186	26.59	9.80	36.39	54.20	17.81	AV
	0.313	24.59	9.76	34.35	49.88	15.53	
	0.499	25.19	9.75	34.94	46.01	11.07	
	1.262	23.48	10.20	33.68	46.00	12.32	
	3.547	25.93	10.07	36.00	46.00	10.00	
	8.501	23.76	10.19	33.95	50.00	16.05	
Neutral	0.188	36.38	9.78	46.16	64.11	17.95	QP
	0.303	34.73	9.75	44.48	60.15	15.67	
	0.499	35.15	9.75	44.90	56.01	11.11	
	2.110	33.89	10.01	43.90	56.00	12.10	
	3.642	36.48	10.16	46.64	56.00	9.36	
	8.729	32.30	10.36	42.66	60.00	17.34	
	0.188	26.59	9.78	36.37	54.11	17.74	AV
	0.303	24.59	9.75	34.34	50.15	15.81	
	0.499	25.06	9.75	34.81	46.01	11.20	
	2.110	23.84	10.01	33.85	46.00	12.15	
	3.642	26.92	10.16	37.08	46.00	8.92	
	8.729	23.61	10.36	33.97	50.00	16.03	

TEST ENGINEER: WENCY YANG

EUT : LCD Monitor Temperature : 22°C

Model No. : E2351VZ Humidity : 48%RH

Serial No. : E11121472-01/01 Date of Test : Dec 07, 2011

Test Mode : D-Sub 1680*1050@60Hz Adapter #1 : ADS-40SG-19-3
19032G

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.188	36.53	9.80	46.33	64.11	17.78	QP
	0.303	34.19	9.76	43.95	60.15	16.20	
	0.505	34.68	9.75	44.43	56.00	11.57	
	1.065	34.02	10.20	44.22	56.00	11.78	
	4.574	34.55	10.07	44.62	56.00	11.38	
	11.080	32.00	10.19	42.19	60.00	17.81	
	0.188	26.59	9.80	36.39	54.11	17.72	AV
	0.303	24.58	9.76	34.34	50.15	15.81	
	0.505	24.86	9.75	34.61	46.00	11.39	
	1.065	24.50	10.20	34.70	46.00	11.30	
	4.574	24.79	10.07	34.86	46.00	11.14	
	11.080	21.58	10.19	31.77	50.00	18.23	
Neutral	0.184	36.55	9.79	46.34	64.28	17.94	QP
	0.307	34.91	9.75	44.66	60.06	15.40	
	0.494	35.35	9.75	45.10	56.10	11.00	
	1.065	34.42	9.92	44.34	56.00	11.66	
	3.642	36.67	10.16	46.83	56.00	9.17	
	8.637	32.79	10.36	43.15	60.00	16.85	
	0.184	26.59	9.79	36.38	54.28	17.90	AV
	0.307	24.15	9.75	33.90	50.06	16.16	
	0.494	25.16	9.75	34.91	46.10	11.19	
	1.065	24.65	9.92	34.57	46.00	11.43	
	3.642	26.49	10.16	36.65	46.00	9.35	
	8.637	23.58	10.36	33.94	50.00	16.06	

TEST ENGINEER: WENCY YANG

EUT : LCD Monitor Temperature : 22°C

Model No. : E2351VZ Humidity : 48%RH

Serial No. : E11121472-01/01 Date of Test : Dec 07, 2011

Test Mode : D-Sub 1920*1080@60Hz Adapter #1 : ADS-40SG-19-3
19032G

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.188	36.75	9.80	46.55	64.11	17.56	QP
	0.307	34.03	9.76	43.79	60.06	16.27	
	0.494	34.87	9.75	44.62	56.10	11.48	
	1.645	33.86	10.14	44.00	56.00	12.00	
	4.622	36.24	10.07	46.31	56.00	9.69	
	7.977	32.89	10.20	43.09	60.00	16.91	
	0.188	26.59	9.80	36.39	54.11	17.72	AV
	0.307	24.15	9.76	33.91	50.06	16.15	
	0.494	25.48	9.75	35.23	46.10	10.87	
	1.645	23.95	10.14	34.09	46.00	11.91	
	4.622	26.48	10.07	36.55	46.00	9.45	
	7.977	23.76	10.20	33.96	50.00	16.04	
Neutral	0.169	38.30	9.86	48.16	64.99	16.83	QP
	0.310	34.00	9.75	43.75	59.97	16.22	
	0.499	35.16	9.75	44.91	56.01	11.10	
	1.129	33.80	9.92	43.72	56.00	12.28	
	3.799	36.98	10.18	47.16	56.00	8.84	
	8.916	32.97	10.36	43.33	60.00	16.67	
	0.169	28.60	9.86	38.46	54.99	16.53	AV
	0.310	23.48	9.75	33.23	49.97	16.74	
	0.499	25.50	9.75	35.25	46.01	10.76	
	1.129	23.49	9.92	33.41	46.00	12.59	
	3.799	26.94	10.18	37.12	46.00	8.88	
	8.916	23.75	10.36	34.11	50.00	15.89	

TEST ENGINEER: WENCY YANG

EUT : LCD Monitor Temperature : 22°C

Model No. : E2351VZ Humidity : 48%RH

Serial No. : E11121472-01/01 Date of Test : Dec 07, 2011

Test Mode : DVI 640*480@60Hz Adapter #1 : ADS-40SG-19-3
19032G

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.184	36.74	9.81	46.55	64.28	17.73	QP
	0.303	34.29	9.76	44.05	60.15	16.10	
	0.505	34.68	9.75	44.43	56.00	11.57	
	2.044	33.03	10.14	43.17	56.00	12.83	
	3.547	35.59	10.07	45.66	56.00	10.34	
	8.822	32.24	10.19	42.43	60.00	17.57	
	0.184	26.15	9.81	35.96	54.28	18.32	AV
	0.303	24.51	9.76	34.27	50.15	15.88	
	0.505	24.60	9.75	34.35	46.00	11.65	
	2.044	23.60	10.14	33.74	46.00	12.26	
	3.547	25.95	10.07	36.02	46.00	9.98	
	8.822	23.58	10.19	33.77	50.00	16.23	
Neutral	0.184	36.49	9.79	46.28	64.28	18.00	QP
	0.303	33.88	9.75	43.63	60.15	16.52	
	0.494	34.90	9.75	44.65	56.10	11.45	
	1.065	33.92	9.92	43.84	56.00	12.16	
	3.840	35.37	10.18	45.55	56.00	10.45	
	8.729	32.05	10.36	42.41	60.00	17.59	
	0.184	26.70	9.79	36.49	54.28	17.79	AV
	0.303	23.59	9.75	33.34	50.15	16.81	
	0.494	24.56	9.75	34.31	46.10	11.79	
	1.065	23.90	9.92	33.82	46.00	12.18	
	3.840	25.80	10.18	35.98	46.00	10.02	
	8.729	23.69	10.36	34.05	50.00	15.95	

TEST ENGINEER: WENCY YANG

EUT : LCD Monitor Temperature : 22°C

Model No. : E2351VZ Humidity : 48%RH

Serial No. : E11121472-01/01 Date of Test : Dec 07, 2011

Test Mode : DVI 1280*1024@75Hz Adapter #1 : ADS-40SG-19-3
19032G

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.186	38.09	9.80	47.89	64.20	16.31	QP
	0.297	33.59	9.77	43.36	60.32	16.96	
	0.505	34.24	9.75	43.99	56.00	12.01	
	1.129	32.67	10.20	42.87	56.00	13.13	
	3.025	34.15	10.12	44.27	56.00	11.73	
	11.021	29.88	10.19	40.07	60.00	19.93	
	0.186	28.49	9.80	38.29	54.20	15.91	AV
	0.297	23.48	9.77	33.25	50.32	17.07	
	0.505	24.59	9.75	34.34	46.00	11.66	
	1.129	22.48	10.20	32.68	46.00	13.32	
	3.025	24.15	10.12	34.27	46.00	11.73	
	11.021	19.77	10.19	29.96	50.00	20.04	
Neutral	0.186	37.13	9.78	46.91	64.20	17.29	QP
	0.317	33.78	9.74	43.52	59.80	16.28	
	0.499	34.42	9.75	44.17	56.01	11.84	
	1.129	33.51	9.92	43.43	56.00	12.57	
	3.436	34.70	10.14	44.84	56.00	11.16	
	10.676	31.82	10.34	42.16	60.00	17.84	
	0.186	27.45	9.78	37.23	54.20	16.97	AV
	0.317	23.46	9.74	33.20	49.80	16.60	
	0.499	24.59	9.75	34.34	46.01	11.67	
	1.129	23.16	9.92	33.08	46.00	12.92	
	3.436	24.58	10.14	34.72	46.00	11.28	
	10.676	21.05	10.34	31.39	50.00	18.61	

TEST ENGINEER: WENCY YANG

EUT : LCD Monitor Temperature : 22°C

Model No. : E2351VZ Humidity : 48%RH

Serial No. : E11121472-01/01 Date of Test : Dec 07, 2011

Test Mode : DVI 1680*1050@60Hz Adapter #1 : ADS-40SG-19-3
19032G

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.172	38.43	9.85	48.28	64.86	16.58	QP
	0.307	34.50	9.76	44.26	60.06	15.80	
	0.499	34.76	9.75	44.51	56.01	11.50	
	1.262	33.84	10.20	44.04	56.00	11.96	
	4.622	35.23	10.07	45.30	56.00	10.70	
	9.011	32.71	10.19	42.90	60.00	17.10	
	0.172	28.59	9.85	38.44	54.86	16.42	AV
	0.307	24.78	9.76	34.54	50.06	15.52	
	0.499	24.15	9.75	33.90	46.01	12.11	
	1.262	23.59	10.20	33.79	46.00	12.21	
	4.622	25.74	10.07	35.81	46.00	10.19	
	9.011	22.69	10.19	32.88	50.00	17.12	
Neutral	0.186	36.60	9.78	46.38	64.20	17.82	QP
	0.310	34.15	9.75	43.90	59.97	16.07	
	0.499	34.88	9.75	44.63	56.01	11.38	
	1.065	33.79	9.92	43.71	56.00	12.29	
	3.547	34.20	10.16	44.36	56.00	11.64	
	10.342	31.82	10.34	42.16	60.00	17.84	
	0.186	26.48	9.78	36.26	54.20	17.94	AV
	0.310	24.50	9.75	34.25	49.97	15.72	
	0.499	24.13	9.75	33.88	46.01	12.13	
	1.065	23.02	9.92	32.94	46.00	13.06	
	3.547	24.59	10.16	34.75	46.00	11.25	
	10.342	21.60	10.34	31.94	50.00	18.06	

TEST ENGINEER: WENCY YANG

EUT : LCD Monitor Temperature : 22°C

Model No. : E2351VZ Humidity : 48%RH

Serial No. : E11121472-01/01 Date of Test : Dec 07, 2011

Test Mode : DVI 1920*1080@60Hz Adapter #1 : ADS-40SG-19-3
19032G

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.184	36.89	9.81	46.70	64.28	17.58	QP
	0.296	33.17	9.77	42.94	60.37	17.43	
	0.505	34.65	9.75	44.40	56.00	11.60	
	1.338	33.32	10.19	43.51	56.00	12.49	
	2.736	33.46	10.13	43.59	56.00	12.41	
	8.412	32.18	10.19	42.37	60.00	17.63	
	0.184	26.59	9.81	36.40	54.28	17.88	AV
	0.296	23.48	9.77	33.25	50.37	17.12	
	0.505	24.59	9.75	34.34	46.00	11.66	
	1.338	23.48	10.19	33.67	46.00	12.33	
	2.736	23.45	10.13	33.58	46.00	12.42	
	8.412	23.47	10.19	33.66	50.00	16.34	
Neutral	0.182	37.35	9.80	47.15	64.42	17.27	QP
	0.303	33.95	9.75	43.70	60.15	16.45	
	0.505	34.69	9.75	44.44	56.00	11.56	
	1.645	32.93	9.99	42.92	56.00	13.08	
	3.759	37.41	10.18	47.59	56.00	8.41	
	8.729	32.23	10.36	42.59	60.00	17.41	
	0.182	27.48	9.80	37.28	54.42	17.14	AV
	0.303	23.16	9.75	32.91	50.15	17.24	
	0.505	24.59	9.75	34.34	46.00	11.66	
	1.645	23.86	9.99	33.85	46.00	12.15	
	3.759	27.15	10.18	37.33	46.00	8.67	
	8.729	23.60	10.36	33.96	50.00	16.04	

TEST ENGINEER: WENCY YANG

EUT : LCD Monitor Temperature : 22°C

Model No. : E2351VZ Humidity : 48%RH

Serial No. : E11121472-01/01 Date of Test : Dec 07, 2011

Test Mode : HDMI 640*480@60Hz Adapter #1 : ADS-40SG-19-3
19032G

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.184	37.82	9.81	47.63	64.28	16.65	QP
	0.300	31.27	9.77	41.04	60.24	19.20	
	0.499	33.80	9.75	43.55	56.01	12.46	
	1.487	32.20	10.15	42.35	56.00	13.65	
	4.926	33.89	10.07	43.96	56.00	12.04	
	11.438	30.42	10.19	40.61	60.00	19.39	
	0.184	27.62	9.81	37.43	54.28	16.85	AV
	0.300	21.36	9.77	31.13	50.24	19.11	
	0.499	22.70	9.75	32.45	46.01	13.56	
	1.487	21.40	10.15	31.55	46.00	14.45	
	4.926	22.60	10.07	32.67	46.00	13.33	
	11.438	20.49	10.19	30.68	50.00	19.32	
Neutral	0.168	38.42	9.87	48.29	65.08	16.79	QP
	0.307	33.21	9.75	42.96	60.06	17.10	
	0.505	33.85	9.75	43.60	56.00	12.40	
	1.071	31.69	9.92	41.61	56.00	14.39	
	3.901	34.39	10.19	44.58	56.00	11.42	
	10.905	30.63	10.34	40.97	60.00	19.03	
	0.168	28.10	9.87	37.97	55.08	17.11	AV
	0.307	23.60	9.75	33.35	50.06	16.71	
	0.505	23.60	9.75	33.35	46.00	12.65	
	1.071	21.48	9.92	31.40	46.00	14.60	
	3.901	24.59	10.19	34.78	46.00	11.22	
	10.905	20.48	10.34	30.82	50.00	19.18	

TEST ENGINEER: WENCY YANG

EUT : LCD Monitor Temperature : 22°C

Model No. : E2351VZ Humidity : 48%RH

Serial No. : E11121472-01/01 Date of Test : Dec 07, 2011

Test Mode : HDMI 1280*1024@75Hz Adapter #1 : ADS-40SG-19-3
19032G

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.188	37.30	9.80	47.10	64.11	17.01	QP
	0.307	33.89	9.76	43.65	60.06	16.41	
	0.494	34.34	9.75	44.09	56.10	12.01	
	1.065	34.06	10.20	44.26	56.00	11.74	
	3.547	35.42	10.07	45.49	56.00	10.51	
	10.676	31.75	10.18	41.93	60.00	18.07	
	0.188	27.48	9.80	37.28	54.11	16.83	AV
	0.307	23.60	9.76	33.36	50.06	16.70	
	0.494	24.78	9.75	34.53	46.10	11.57	
	1.065	24.59	10.20	34.79	46.00	11.21	
	3.547	25.79	10.07	35.86	46.00	10.14	
	10.676	21.06	10.18	31.24	50.00	18.76	
Neutral	0.188	37.20	9.78	46.98	64.11	17.13	QP
	0.300	33.93	9.75	43.68	60.24	16.56	
	0.499	34.01	9.75	43.76	56.01	12.25	
	1.065	32.75	9.92	42.67	56.00	13.33	
	3.436	34.44	10.14	44.58	56.00	11.42	
	11.021	31.13	10.34	41.47	60.00	18.53	
	0.188	27.48	9.78	37.26	54.11	16.85	AV
	0.300	23.56	9.75	33.31	50.24	16.93	
	0.499	24.48	9.75	34.23	46.01	11.78	
	1.065	23.59	9.92	33.51	46.00	12.49	
	3.436	24.17	10.14	34.31	46.00	11.69	
	11.021	21.48	10.34	31.82	50.00	18.18	

TEST ENGINEER: WENCY YANG

EUT : LCD Monitor Temperature : 22°C

Model No. : E2351VZ Humidity : 48%RH

Serial No. : E11121472-01/01 Date of Test : Dec 07, 2011

Test Mode : HDMI 1680*1050@60Hz Adapter #1 : ADS-40SG-19-3
19032G

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.190	38.25	9.80	48.05	64.02	15.97	QP
	0.303	32.96	9.76	42.72	60.15	17.43	
	0.499	34.25	9.75	44.00	56.01	12.01	
	2.088	32.51	10.14	42.65	56.00	13.35	
	4.721	34.86	10.07	44.93	56.00	11.07	
	11.080	31.01	10.19	41.20	60.00	18.80	
	0.190	28.94	9.80	38.74	54.02	15.28	AV
	0.303	23.62	9.76	33.38	50.15	16.77	
	0.499	24.15	9.75	33.90	46.01	12.11	
	2.088	23.59	10.14	33.73	46.00	12.27	
	4.721	24.60	10.07	34.67	46.00	11.33	
	11.080	21.03	10.19	31.22	50.00	18.78	
Neutral	0.182	38.15	9.80	47.95	64.42	16.47	QP
	0.310	33.09	9.75	42.84	59.97	17.13	
	0.567	33.88	9.77	43.65	56.00	12.35	
	1.744	32.33	10.01	42.34	56.00	13.66	
	3.642	35.79	10.16	45.95	56.00	10.05	
	11.080	30.17	10.34	40.51	60.00	19.49	
	0.182	28.45	9.80	38.25	54.42	16.17	AV
	0.310	23.60	9.75	33.35	49.97	16.62	
	0.567	23.95	9.77	33.72	46.00	12.28	
	1.744	23.77	10.01	33.78	46.00	12.22	
	3.642	25.91	10.16	36.07	46.00	9.93	
	11.080	20.78	10.34	31.12	50.00	18.88	

TEST ENGINEER: WENCY YANG

EUT : LCD Monitor Temperature : 22°C

Model No. : E2351VZ Humidity : 48%RH

Serial No. : E11121472-01/01 Date of Test : Dec 07, 2011

Test Mode : HDMI 1920*1080@60Hz Adapter #1 : ADS-40SG-19-3
19032G

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.184	37.79	9.81	47.60	64.28	16.68	QP
	0.300	33.22	9.77	42.99	60.24	17.25	
	0.494	33.86	9.75	43.61	56.10	12.49	
	1.324	32.46	10.19	42.65	56.00	13.35	
	4.721	33.96	10.07	44.03	56.00	11.97	
	11.080	31.27	10.19	41.46	60.00	18.54	
	0.184	27.48	9.81	37.29	54.28	16.99	AV
	0.300	23.64	9.77	33.41	50.24	16.83	
	0.494	23.61	9.75	33.36	46.10	12.74	
	1.324	23.98	10.19	34.17	46.00	11.83	
	4.721	23.76	10.07	33.83	46.00	12.17	
	11.080	21.05	10.19	31.24	50.00	18.76	
Neutral	0.150	37.63	10.18	47.81	66.00	18.19	QP
	0.303	34.15	9.75	43.90	60.15	16.25	
	0.499	34.36	9.75	44.11	56.01	11.90	
	1.262	33.23	9.94	43.17	56.00	12.83	
	3.642	36.13	10.16	46.29	56.00	9.71	
	11.021	31.08	10.34	41.42	60.00	18.58	
	0.150	27.56	10.18	37.74	56.00	18.26	AV
	0.303	25.60	9.75	35.35	50.15	14.80	
	0.499	24.15	9.75	33.90	46.01	12.11	
	1.262	23.60	9.94	33.54	46.00	12.46	
	3.642	26.90	10.16	37.06	46.00	8.94	
	11.021	21.15	10.34	31.49	50.00	18.51	

TEST ENGINEER: WENCY YANG

EUT : LCD Monitor Temperature : 22°C

Model No. : E2351VZ Humidity : 48%RH

Serial No. : E11121472-01/01 Date of Test : Dec 07, 2011

Test Mode : D-Sub 640*480@60Hz Adapter #2 : LCAP21A

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.168	43.48	9.87	53.35	65.08	11.73	QP
	0.228	34.86	9.78	44.64	62.52	17.88	
	0.461	28.44	9.75	38.19	56.67	18.48	
	1.762	23.23	10.15	33.38	56.00	22.62	
	4.407	29.06	10.07	39.13	56.00	16.87	
	14.986	30.83	10.28	41.11	60.00	18.89	
	0.168	32.48	9.87	42.35	55.08	12.73	AV
	0.228	24.16	9.78	33.94	52.52	18.58	
	0.461	19.46	9.75	29.21	46.67	17.46	
	1.762	14.45	10.15	24.60	46.00	21.40	
	4.407	19.49	10.07	29.56	46.00	16.44	
	14.986	19.40	10.28	29.68	50.00	20.32	
Neutral	0.159	44.51	9.89	54.40	65.52	11.12	QP
	0.221	36.74	9.76	46.50	62.79	16.29	
	0.452	31.22	9.75	40.97	56.85	15.88	
	1.585	25.11	9.99	35.10	56.00	20.90	
	4.454	33.34	10.21	43.55	56.00	12.45	
	15.226	30.31	10.20	40.51	60.00	19.49	
	0.159	34.60	9.89	44.49	55.52	11.03	AV
	0.221	25.16	9.76	34.92	52.79	17.87	
	0.452	22.60	9.75	32.35	46.85	14.50	
	1.585	15.79	9.99	25.78	46.00	20.22	
	4.454	23.01	10.21	33.22	46.00	12.78	
	15.226	20.03	10.20	30.23	50.00	19.77	

TEST ENGINEER: WENCY YANG

EUT : LCD Monitor Temperature : 22°C

Model No. : E2351VZ Humidity : 48%RH

Serial No. : E11121472-01/01 Date of Test : Dec 07, 2011

Test Mode : D-Sub 640*480@60Hz Adapter #3 : LCAP26-A

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.166	45.78	9.88	55.66	65.16	9.50	QP
	0.221	35.82	9.78	45.60	62.79	17.19	
	0.435	25.28	9.75	35.03	57.15	22.12	
	1.000	17.05	10.20	27.25	56.00	28.75	
	4.315	20.77	10.07	30.84	56.00	25.16	
	15.388	27.43	10.28	37.71	60.00	22.29	
	0.166	35.15	9.88	45.03	55.16	10.13	AV
	0.221	25.48	9.78	35.26	52.79	17.53	
	0.435	15.48	9.75	25.23	47.15	21.92	
	1.000	9.23	10.20	19.43	46.00	26.57	
	4.315	10.24	10.07	20.31	46.00	25.69	
	15.388	19.78	10.28	30.06	50.00	19.94	
Neutral	0.155	42.98	9.89	52.87	65.74	12.87	QP
	0.228	35.29	9.76	45.05	62.52	17.47	
	0.440	26.09	9.75	35.84	57.07	21.23	
	1.197	19.41	9.93	29.34	56.00	26.66	
	4.361	23.90	10.19	34.09	56.00	21.91	
	15.552	26.98	10.20	37.18	60.00	22.82	
	0.155	32.13	9.89	42.02	55.74	13.72	AV
	0.228	25.30	9.76	35.06	52.52	17.46	
	0.440	16.42	9.75	26.17	47.07	20.90	
	1.197	9.30	9.93	19.23	46.00	26.77	
	4.361	14.81	10.19	25.00	46.00	21.00	
	15.552	17.40	10.20	27.60	50.00	22.40	

TEST ENGINEER: WENCY YANG

EUT : LCD Monitor Temperature : 22°C

Model No. : E2351VZ Humidity : 48%RH

Serial No. : E11121472-01/01 Date of Test : Dec 07, 2011

Test Mode : D-Sub 640*480@60Hz Adapter #4 : ADS-40FSG-19
19032GPCU-1

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.174	37.40	9.85	47.25	64.77	17.52	QP
	0.223	25.77	9.78	35.55	62.70	27.15	
	0.499	23.28	9.75	33.03	56.01	22.98	
	1.388	19.94	10.18	30.12	56.00	25.88	
	4.202	22.73	10.07	32.80	56.00	23.20	
	17.199	20.92	10.27	31.19	60.00	28.81	
	0.174	28.14	9.85	37.99	54.77	16.78	AV
	0.223	14.25	9.78	24.03	52.70	28.67	
	0.499	14.23	9.75	23.98	46.01	22.03	
	1.388	9.23	10.18	19.41	46.00	26.59	
	4.202	13.78	10.07	23.85	46.00	22.15	
	17.199	11.48	10.27	21.75	50.00	28.25	
Neutral	0.184	38.89	9.79	48.68	64.28	15.60	QP
	0.252	27.62	9.76	37.38	61.69	24.31	
	0.494	26.06	9.75	35.81	56.10	20.29	
	1.094	22.26	9.92	32.18	56.00	23.82	
	4.114	20.05	10.19	30.24	56.00	25.76	
	17.018	23.48	10.18	33.66	60.00	26.34	
	0.184	28.60	9.79	38.39	54.28	15.89	AV
	0.252	16.30	9.76	26.06	51.69	25.63	
	0.494	17.40	9.75	27.15	46.10	18.95	
	1.094	13.02	9.92	22.94	46.00	23.06	
	4.114	9.48	10.19	19.67	46.00	26.33	
	17.018	14.78	10.18	24.96	50.00	25.04	

TEST ENGINEER: WENCY YANG

4 RADIATED EMISSION TEST

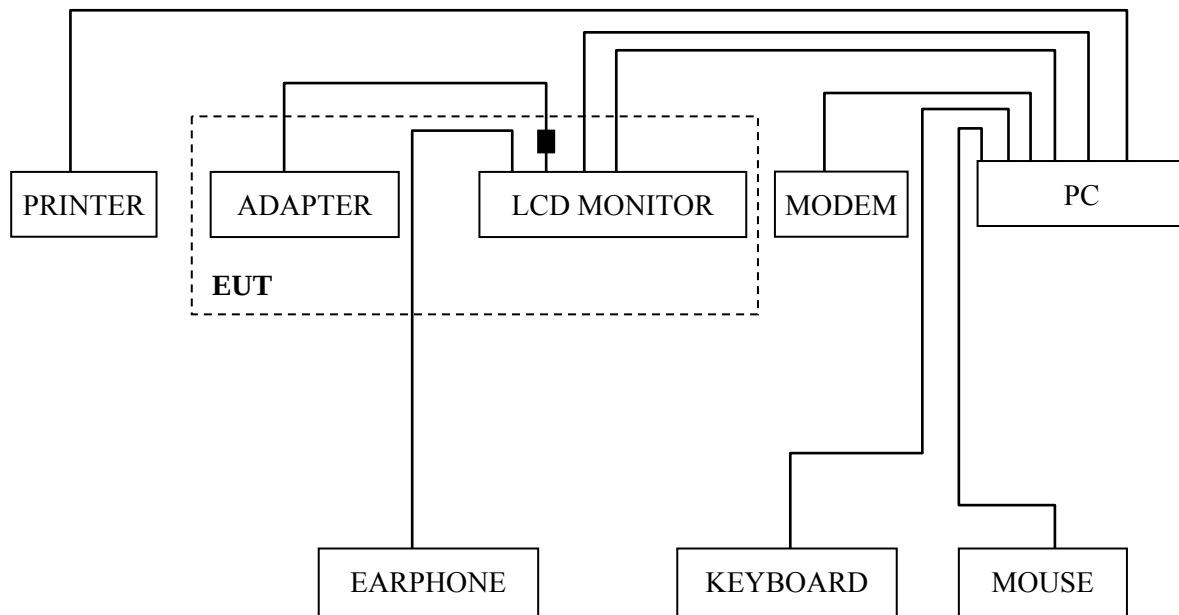
4.1 Test Equipment

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

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

4.2 Block Diagram of Test Setup

4.2.1 EUT and Peripherals

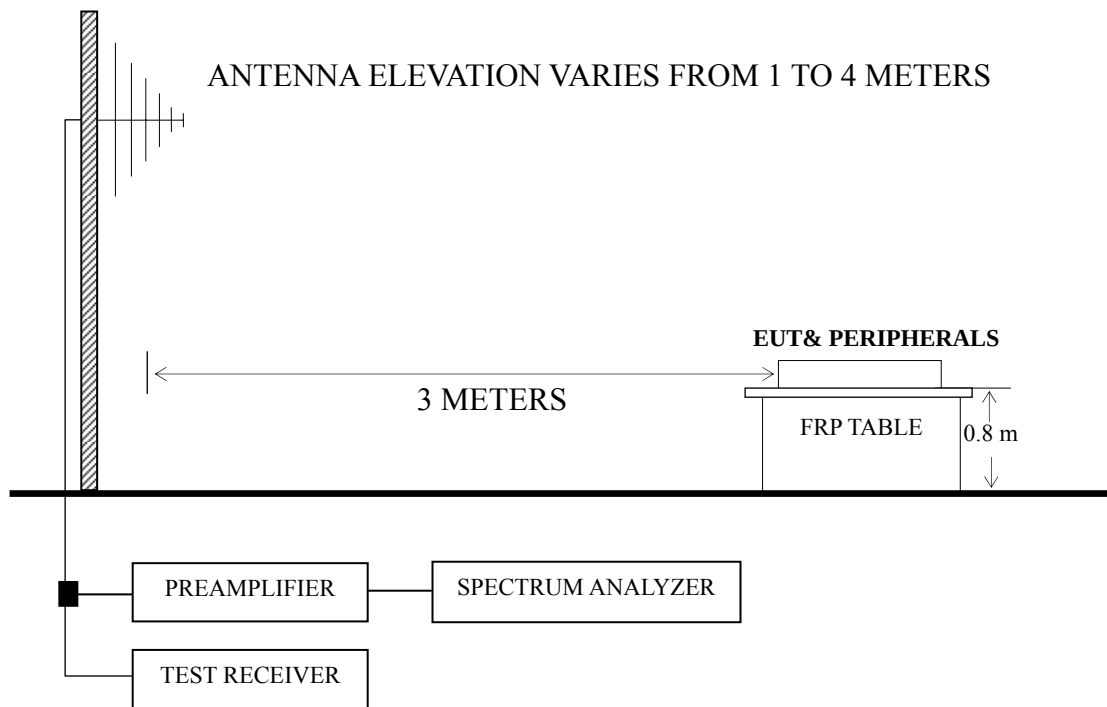


■ : Ferrite core

Note: Ferrite core only for Adapter #2

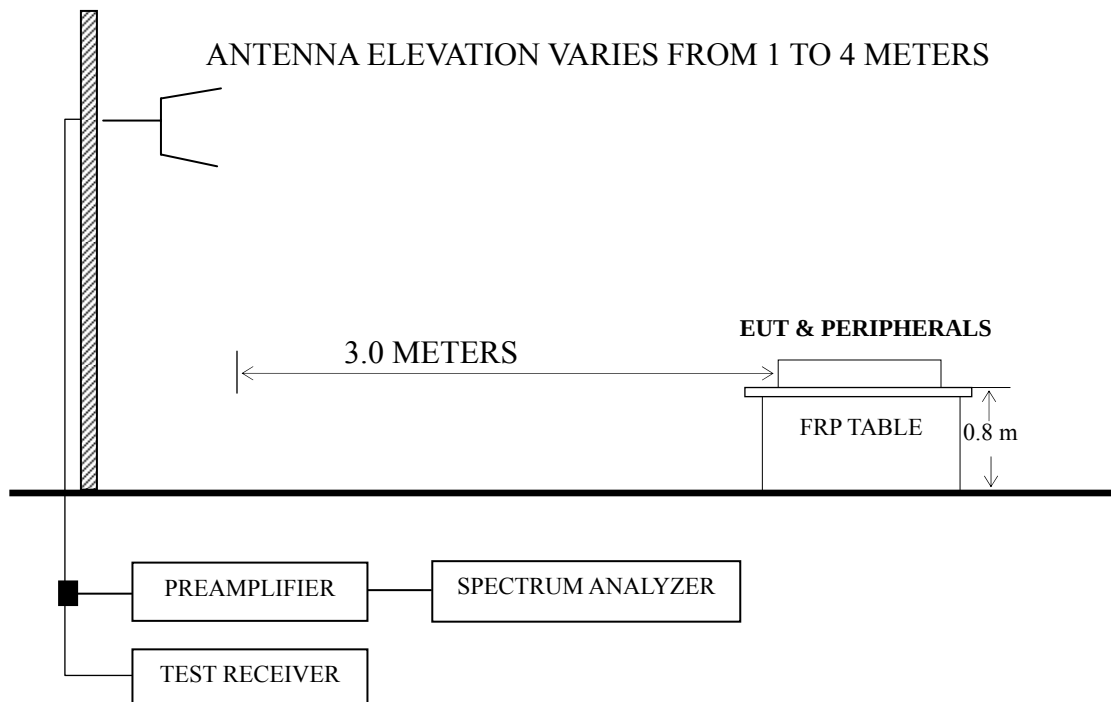
4.2.2 Radiated emission test setup

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/HDMI 1280*1024@75Hz, 1680*1050@60Hz and 1920*1080@60Hz modes.

The test modes were done on radiated disturbance test and all the test results are listed in Sec.4.7.

4.7 Test Results

<PASS>

The frequency and amplitude of the highest radiated emission relative the limit is reported. All the emissions not reported below are too low against the FCC limit.

Adapter	Test Mode	Data Page
Adapter #1	D-Sub 640*480@60Hz	P33
	D-Sub 1280*1024@75Hz	P34 – P35
	D-Sub 1680*1050@60Hz	P36 – P37
	D-Sub 1920*1080@60Hz	P38 – P39
	DVI 640*480@60Hz	P40
	DVI 1280*1024@75Hz	P41 – P42
	DVI 1680*1050@60Hz	P43 – P44
	DVI 1920*1080@60Hz	P45 – P46
	HDMI 640*480@60Hz	P47
	HDMI 1280*1024@75Hz	P48 – P49
	HDMI 1680*1050@60Hz	P50 – P51
	HDMI 1920*1080@60Hz	P52 – P53
Adapter #2	D-Sub 1920*1080@60Hz	P54 – P55
Adapter #3	D-Sub 1920*1080@60Hz	P56 – P57
Adapter #4	D-Sub 1920*1080@60Hz	P58 – P59

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

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

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

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

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

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

NOTE 7 – The worst case is for D-Sub 1920*1080@60Hz test mode (Adapter #1). The worst emission at horizontal polarization was detected at 75.590 MHz with corrected signal level of 39.00 dB (μV/m) (limit is 40.00 dB (μV/m)), when the antenna was 1.00 m height and the turntable was at 245°. The worst emission at vertical polarization was detected at 77.530 MHz with corrected signal level of 35.53 dB (μV/m) (limit is 40.00 dB (μV/m)), when the antenna was 1.00 m height and the turntable was at 120°.

EUT : LCD Monitor Temperature : 22°C

Model No. : E2351VZ Humidity : 60%RH

Serial No. : E11121472-01/01 Date of Test : Dec 19, 2011

Test Mode : D-Sub 640*480@60Hz Adapter #1 : ADS-40SG-19-3
19032G

Polarization	Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)
Horizontal	72.680	25.52	10.08	1.47	37.07	40.00	2.93
	193.930	25.17	9.86	2.41	37.44	43.50	6.06
	250.190	26.17	11.99	2.61	40.77	46.00	5.23
	322.940	19.44	14.34	2.82	36.60	46.00	9.40
	415.090	11.11	16.50	3.02	30.63	46.00	15.37
	698.330	9.02	19.47	3.68	32.17	46.00	13.83
Vertical	82.380	20.12	10.67	1.63	32.42	40.00	7.58
	143.490	18.12	10.54	2.19	30.85	43.50	12.65
	198.780	22.71	9.81	2.42	34.94	43.50	8.56
	250.190	20.73	11.99	2.61	35.33	46.00	10.67
	415.090	13.47	16.50	3.02	32.99	46.00	13.01
	710.940	9.05	19.63	3.70	32.38	46.00	13.62

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : E2351VZ Humidity : 60%RH

Serial No. : E11121472-01/01 Date of Test : Dec 19, 2011

Test Mode : D-Sub 1280*1024@75Hz Adapter #1 : ADS-40SG-19-3
19032G

Polarization	Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
Horizontal	75.590	26.26	10.27	1.53	--	38.06	40.00	1.94	QP
	198.780	25.30	9.81	2.42	--	37.53	43.50	5.97	
	250.190	26.71	11.99	2.61	--	41.31	46.00	4.69	
	322.940	20.73	14.34	2.82	--	37.89	46.00	8.11	
	415.090	15.52	16.50	3.02	--	35.04	46.00	10.96	
	698.330	8.59	19.47	3.68	--	31.74	46.00	14.26	
	1075.000	52.88	22.16	5.27	38.04	42.27	74.00	31.73	PK
	1250.000	47.46	24.05	5.42	37.65	39.28	74.00	34.72	
	1365.000	48.43	24.80	5.55	37.33	41.45	74.00	32.55	
	1465.000	43.20	26.11	5.72	37.06	37.97	74.00	36.03	
	1595.000	44.72	26.41	5.93	36.77	40.29	74.00	33.71	
	1760.000	41.18	26.96	6.17	36.49	37.82	74.00	36.18	
	1075.000	41.88	22.16	5.27	38.04	31.27	54.00	22.73	AV
	1250.000	29.46	24.05	5.42	37.65	21.28	54.00	32.72	
	1365.000	36.43	24.80	5.55	37.33	29.45	54.00	24.55	
	1465.000	30.20	26.11	5.72	37.06	24.97	54.00	29.03	
	1595.000	35.72	26.41	5.93	36.77	31.29	54.00	22.71	
	1760.000	31.18	26.96	6.17	36.49	27.82	54.00	26.18	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : E2351VZ Humidity : 60%RH

Serial No. : E11121472-01/01 Date of Test : Dec 19, 2011

Test Mode : D-Sub 1280*1024@75Hz Adapter #1 : ADS-40SG-19-3
19032G

Polarization	Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
Vertical	31.940	12.28	17.29	0.82	--	30.39	40.00	9.61	QP
	82.380	20.96	10.67	1.63	--	33.26	40.00	6.74	
	143.490	16.96	10.54	2.19	--	29.69	43.50	13.81	
	247.280	20.21	11.85	2.60	--	34.66	46.00	11.34	
	415.090	13.61	16.50	3.02	--	33.13	46.00	12.87	
	710.940	8.64	19.63	3.70	--	31.97	46.00	14.03	
	1080.000	44.24	22.24	5.27	38.03	33.72	74.00	40.28	PK
	1170.000	32.47	23.38	5.34	37.83	23.36	74.00	50.64	
	1315.000	30.87	24.50	5.51	37.48	23.40	74.00	50.60	
	1465.000	24.26	26.11	5.72	37.06	19.03	74.00	54.97	
	1600.000	42.52	26.40	5.93	36.76	38.09	74.00	35.91	
	1760.000	44.08	26.96	6.17	36.49	40.72	74.00	33.28	
	1080.000	34.24	22.24	5.27	38.03	23.72	54.00	30.28	AV
	1170.000	42.47	23.38	5.34	37.83	33.36	54.00	20.64	
	1315.000	44.87	24.50	5.51	37.48	37.40	54.00	16.60	
	1465.000	39.26	26.11	5.72	37.06	34.03	54.00	19.97	
	1600.000	22.52	26.40	5.93	36.76	18.09	54.00	35.91	
	1760.000	34.08	26.96	6.17	36.49	30.72	54.00	23.28	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : E2351VZ Humidity : 60%RH

Serial No. : E11121472-01/01 Date of Test : Dec 19, 2011

Test Mode : D-Sub 1680*1050@60Hz Adapter #1 : ADS-40SG-19-3
19032G

Polarization	Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
Horizontal	75.590	25.28	10.27	1.53	--	37.08	40.00	2.92	QP
	193.930	24.86	9.86	2.41	--	37.13	43.50	6.37	
	247.280	26.75	11.85	2.60	--	41.20	46.00	4.80	
	322.940	24.84	14.34	2.82	--	42.00	46.00	4.00	
	415.090	14.67	16.50	3.02	--	34.19	46.00	11.81	
	875.840	8.11	20.37	4.75	--	33.23	46.00	12.77	
	1075.000	55.88	22.16	5.27	38.04	45.27	74.00	28.73	PK
	1250.000	50.46	24.05	5.42	37.65	42.28	74.00	31.72	
	1365.000	51.43	24.80	5.55	37.33	44.45	74.00	29.55	
	1465.000	46.20	26.11	5.72	37.06	40.97	74.00	33.03	
	1595.000	47.72	26.41	5.93	36.77	43.29	74.00	30.71	
	1760.000	50.18	26.96	6.17	36.49	46.82	74.00	27.18	
	1075.000	44.88	22.16	5.27	38.04	34.27	54.00	19.73	AV
	1250.000	35.46	24.05	5.42	37.65	27.28	54.00	26.72	
	1365.000	38.43	24.80	5.55	37.33	31.45	54.00	22.55	
	1465.000	35.20	26.11	5.72	37.06	29.97	54.00	24.03	
	1595.000	38.72	26.41	5.93	36.77	34.29	54.00	19.71	
	1760.000	36.18	26.96	6.17	36.49	32.82	54.00	21.18	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : E2351VZ Humidity : 60%RH

Serial No. : E11121472-01/01 Date of Test : Dec 19, 2011

Test Mode : D-Sub 1680*1050@60Hz Adapter #1 : ADS-40SG-19-3
19032G

Polarization	Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
Vertical	75.590	23.11	10.27	1.53	--	34.91	40.00	5.09	QP
	145.430	17.11	10.50	2.20	--	29.81	43.50	13.69	
	247.280	19.58	11.85	2.60	--	34.03	46.00	11.97	
	322.940	15.65	14.34	2.82	--	32.81	46.00	13.19	
	415.090	13.73	16.50	3.02	--	33.25	46.00	12.75	
	710.940	8.73	19.63	3.70	--	32.06	46.00	13.94	
	1080.000	46.24	22.24	5.27	38.03	35.72	74.00	38.28	PK
	1170.000	44.47	23.38	5.34	37.83	35.36	74.00	38.64	
	1315.000	46.87	24.50	5.51	37.48	39.40	74.00	34.60	
	1465.000	41.26	26.11	5.72	37.06	36.03	74.00	37.97	
	1600.000	44.52	26.40	5.93	36.76	40.09	74.00	33.91	
	1760.000	46.08	26.96	6.17	36.49	42.72	74.00	31.28	
	1080.000	37.24	22.24	5.27	38.03	26.72	54.00	27.28	AV
	1170.000	29.47	23.38	5.34	37.83	20.36	54.00	33.64	
	1315.000	35.87	24.50	5.51	37.48	28.40	54.00	25.60	
	1465.000	27.26	26.11	5.72	37.06	22.03	54.00	31.97	
	1600.000	33.52	26.40	5.93	36.76	29.09	54.00	24.91	
	1760.000	30.08	26.96	6.17	36.49	26.72	54.00	27.28	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : E2351VZ Humidity : 60%RH

Serial No. : E11121472-01/01 Date of Test : Dec 19, 2011

Test Mode : D-Sub 1920*1080@60Hz Adapter #1 : ADS-40SG-19-3
19032G

Polarization	Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
Horizontal	75.590	27.20	10.27	1.53	--	39.00	40.00	1.00	QP
	193.930	25.21	9.86	2.41	--	37.48	43.50	6.02	
	247.280	27.02	11.85	2.60	--	41.47	46.00	4.53	
	322.940	26.27	14.34	2.82	--	43.43	46.00	2.57	
	415.090	14.56	16.50	3.02	--	34.08	46.00	11.92	
	875.840	8.15	20.37	4.75	--	33.27	46.00	12.73	
	1075.000	48.88	22.16	5.27	38.04	38.27	74.00	35.73	PK
	1250.000	43.46	24.05	5.42	37.65	35.28	74.00	38.72	
	1365.000	44.43	24.80	5.55	37.33	37.45	74.00	36.55	
	1465.000	39.20	26.11	5.72	37.06	33.97	74.00	40.03	
	1595.000	40.72	26.41	5.93	36.77	36.29	74.00	37.71	
	1760.000	43.18	26.96	6.17	36.49	39.82	74.00	34.18	
	1075.000	40.88	22.16	5.27	38.04	30.27	54.00	23.73	AV
	1250.000	32.46	24.05	5.42	37.65	24.28	54.00	29.72	
	1365.000	30.43	24.80	5.55	37.33	23.45	54.00	30.55	
	1465.000	26.20	26.11	5.72	37.06	20.97	54.00	33.03	
	1595.000	28.72	26.41	5.93	36.77	24.29	54.00	29.71	
	1760.000	29.18	26.96	6.17	36.49	25.82	54.00	28.18	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : E2351VZ Humidity : 60%RH

Serial No. : E11121472-01/01 Date of Test : Dec 19, 2011

Test Mode : D-Sub 1920*1080@60Hz Adapter #1 : ADS-40SG-19-3
19032G

Polarization	Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
Vertical	77.530	23.58	10.39	1.56	--	35.53	40.00	4.47	QP
	145.430	17.68	10.50	2.20	--	30.38	43.50	13.12	
	193.930	19.41	9.86	2.41	--	31.68	43.50	11.82	
	247.280	20.35	11.85	2.60	--	34.80	46.00	11.20	
	322.940	17.76	14.34	2.82	--	34.92	46.00	11.08	
	415.090	13.73	16.50	3.02	--	33.25	46.00	12.75	
	1080.000	43.24	22.24	5.27	38.03	32.72	74.00	41.28	PK
	1275.000	40.65	24.25	5.47	37.57	32.80	74.00	41.20	
	1365.000	40.66	24.80	5.55	37.33	33.68	74.00	40.32	
	1465.000	38.26	26.11	5.72	37.06	33.03	74.00	40.97	
	1600.000	41.52	26.40	5.93	36.76	37.09	74.00	36.91	
	1760.000	43.08	26.96	6.17	36.49	39.72	74.00	34.28	
	1080.000	32.24	22.24	5.27	38.03	21.72	54.00	32.28	AV
	1275.000	29.65	24.25	5.47	37.57	21.80	54.00	32.20	
	1365.000	28.66	24.80	5.55	37.33	21.68	54.00	32.32	
	1465.000	22.26	26.11	5.72	37.06	17.03	54.00	36.97	
	1600.000	29.52	26.40	5.93	36.76	25.09	54.00	28.91	
	1760.000	30.08	26.96	6.17	36.49	26.72	54.00	27.28	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : E2351VZ Humidity : 60%RH

Serial No. : E11121472-01/01 Date of Test : Dec 19, 2011

Test Mode : DVI 640*480@60Hz Adapter #1 : ADS-40SG-19-3
19032G

Polarization	Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)
Horizontal	75.590	24.94	10.27	1.53	36.74	40.00	3.26
	145.430	19.27	10.50	2.20	31.97	43.50	11.53
	201.690	25.68	9.87	2.43	37.98	43.50	5.52
	322.940	26.71	14.34	2.82	43.87	46.00	2.13
	446.130	17.79	16.92	3.11	37.82	46.00	8.18
	741.980	19.62	19.98	3.78	43.38	46.00	2.62
Vertical	75.590	24.11	10.27	1.53	35.91	40.00	4.09
	145.430	22.67	10.50	2.20	35.37	43.50	8.13
	193.930	19.21	9.86	2.41	31.48	43.50	12.02
	415.090	14.67	16.50	3.02	34.19	46.00	11.81
	424.790	14.75	16.62	3.06	34.43	46.00	11.57
	659.530	11.61	19.00	3.60	34.21	46.00	11.79

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : E2351VZ Humidity : 60%RH

Serial No. : E11121472-01/01 Date of Test : Dec 19, 2011

Test Mode : DVI 1280*1024@75Hz Adapter #1 : ADS-40SG-19-3
19032G

Polarization	Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
Horizontal	75.590	24.87	10.27	1.53	--	36.67	40.00	3.33	QP
	201.690	25.38	9.87	2.43	--	37.68	43.50	5.82	
	322.940	26.18	14.34	2.82	--	43.34	46.00	2.66	
	446.130	17.56	16.92	3.11	--	37.59	46.00	8.41	
	594.540	15.02	18.17	3.45	--	36.64	46.00	9.36	
	741.980	17.47	19.98	3.78	--	41.23	46.00	4.77	
	1075.000	52.88	22.16	5.27	38.04	42.27	74.00	31.73	PK
	1250.000	47.46	24.05	5.42	37.65	39.28	74.00	34.72	
	1365.000	48.43	24.80	5.55	37.33	41.45	74.00	32.55	
	1465.000	43.20	26.11	5.72	37.06	37.97	74.00	36.03	
	1595.000	44.72	26.41	5.93	36.77	40.29	74.00	33.71	
	1760.000	47.18	26.96	6.17	36.49	43.82	74.00	30.18	
	1075.000	37.88	22.16	5.27	38.04	27.27	54.00	26.73	AV
	1250.000	34.46	24.05	5.42	37.65	26.28	54.00	27.72	
	1365.000	34.43	24.80	5.55	37.33	27.45	54.00	26.55	
	1465.000	32.20	26.11	5.72	37.06	26.97	54.00	27.03	
	1595.000	34.72	26.41	5.93	36.77	30.29	54.00	23.71	
	1760.000	35.18	26.96	6.17	36.49	31.82	54.00	22.18	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : E2351VZ Humidity : 60%RH

Serial No. : E11121472-01/01 Date of Test : Dec 19, 2011

Test Mode : DVI 1280*1024@75Hz Adapter #1 : ADS-40SG-19-3
19032G

Polarization	Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
Vertical	75.590	24.77	10.27	1.53	--	36.57	40.00	3.43	QP
	145.430	21.75	10.50	2.20	--	34.45	43.50	9.05	
	322.940	13.54	14.34	2.82	--	30.70	46.00	15.30	
	415.090	14.17	16.50	3.02	--	33.69	46.00	12.31	
	594.540	13.10	18.17	3.45	--	34.72	46.00	11.28	
	741.980	18.77	19.98	3.78	--	42.53	46.00	3.47	
	1080.000	50.01	22.24	4.50	38.03	38.72	74.00	35.28	PK
	1275.000	47.59	24.25	4.53	37.57	38.80	74.00	35.20	
	1365.000	47.67	24.80	4.54	37.33	39.68	74.00	34.32	
	1465.000	45.43	26.11	4.55	37.06	39.03	74.00	34.97	
	1600.000	48.89	26.40	4.56	36.76	43.09	74.00	30.91	
	1760.000	50.67	26.96	4.58	36.49	45.72	74.00	28.28	
	1080.000	41.01	22.24	4.50	38.03	29.72	54.00	24.28	AV
	1275.000	32.59	24.25	4.53	37.57	23.80	54.00	30.20	
	1365.000	35.67	24.80	4.54	37.33	27.68	54.00	26.32	
	1465.000	32.43	26.11	4.55	37.06	26.03	54.00	27.97	
	1600.000	37.89	26.40	4.56	36.76	32.09	54.00	21.91	
	1760.000	35.67	26.96	4.58	36.49	30.72	54.00	23.28	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : E2351VZ Humidity : 60%RH

Serial No. : E11121472-01/01 Date of Test : Dec 19, 2011

Test Mode : DVI 1680*1050@60Hz Adapter #1 : ADS-40SG-19-3
19032G

Polarization	Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
Horizontal	75.590	24.06	10.27	1.53	--	35.86	40.00	4.14	QP
	201.690	25.96	9.87	2.43	--	38.26	43.50	5.24	
	259.890	20.03	12.40	2.64	--	35.07	46.00	10.93	
	322.940	25.45	14.34	2.82	--	42.61	46.00	3.39	
	446.130	18.42	16.92	3.11	--	38.45	46.00	7.55	
	741.980	18.53	19.98	3.78	--	42.29	46.00	3.71	
	1075.000	55.88	22.16	5.27	38.04	45.27	74.00	28.73	PK
	1250.000	50.46	24.05	5.42	37.65	42.28	74.00	31.72	
	1365.000	51.43	24.80	5.55	37.33	44.45	74.00	29.55	
	1465.000	46.20	26.11	5.72	37.06	40.97	74.00	33.03	
	1595.000	47.72	26.41	5.93	36.77	43.29	74.00	30.71	
	1760.000	50.18	26.96	6.17	36.49	46.82	74.00	27.18	
	1075.000	40.88	22.16	5.27	38.04	30.27	54.00	23.73	AV
	1250.000	32.46	24.05	5.42	37.65	24.28	54.00	29.72	
	1365.000	35.43	24.80	5.55	37.33	28.45	54.00	25.55	
	1465.000	33.20	26.11	5.72	37.06	27.97	54.00	26.03	
	1595.000	30.72	26.41	5.93	36.77	26.29	54.00	27.71	
	1760.000	30.18	26.96	6.17	36.49	26.82	54.00	27.18	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : E2351VZ Humidity : 60%RH

Serial No. : E11121472-01/01 Date of Test : Dec 19, 2011

Test Mode : DVI 1680*1050@60Hz Adapter #1 : ADS-40SG-19-3
19032G

Polarization	Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
Vertical	75.590	24.24	10.27	1.53	--	36.04	40.00	3.96	QP
	145.430	17.99	10.50	2.20	--	30.69	43.50	12.81	
	322.940	11.11	14.34	2.82	--	28.27	46.00	17.73	
	424.790	14.04	16.62	3.06	--	33.72	46.00	12.28	
	741.980	16.43	19.98	3.78	--	40.19	46.00	5.81	
	872.930	15.57	20.37	4.60	--	40.54	46.00	5.46	
	1080.000	52.01	22.24	4.50	38.03	40.72	74.00	33.28	PK
	1170.000	38.30	23.38	4.51	37.83	28.36	74.00	45.64	
	1315.000	39.85	24.50	4.53	37.48	31.40	74.00	42.60	
	1465.000	47.43	26.11	4.55	37.06	41.03	74.00	32.97	
	1600.000	50.89	26.40	4.56	36.76	45.09	74.00	28.91	
	1760.000	52.67	26.96	4.58	36.49	47.72	74.00	26.28	
	1080.000	42.01	22.24	4.50	38.03	30.72	54.00	23.28	AV
	1170.000	50.30	23.38	4.51	37.83	40.36	54.00	13.64	
	1315.000	52.85	24.50	4.53	37.48	44.40	54.00	9.60	
	1465.000	34.43	26.11	4.55	37.06	28.03	54.00	25.97	
	1600.000	42.89	26.40	4.56	36.76	37.09	54.00	16.91	
	1760.000	37.67	26.96	4.58	36.49	32.72	54.00	21.28	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : E2351VZ Humidity : 60%RH

Serial No. : E11121472-01/01 Date of Test : Dec 19, 2011

Test Mode : DVI 1920*1080@60Hz Adapter #1 : ADS-40SG-19-3
19032G

Polarization	Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
Horizontal	75.590	26.47	10.27	1.53	--	38.27	40.00	1.73	QP
	201.690	24.56	9.87	2.43	--	36.86	43.50	6.64	
	322.940	20.40	14.34	2.82	--	37.56	46.00	8.44	
	446.130	18.72	16.92	3.11	--	38.75	46.00	7.25	
	594.540	13.68	18.17	3.45	--	35.30	46.00	10.70	
	741.980	18.56	19.98	3.78	--	42.32	46.00	3.68	
	1075.000	50.88	22.16	5.27	38.04	40.27	74.00	33.73	PK
	1180.000	31.35	23.49	5.34	37.81	22.37	74.00	51.63	
	1250.000	28.46	24.05	5.42	37.65	20.28	74.00	53.72	
	1365.000	46.43	24.80	5.55	37.33	39.45	74.00	34.55	
	1595.000	42.72	26.41	5.93	36.77	38.29	74.00	35.71	
	1760.000	45.18	26.96	6.17	36.49	41.82	74.00	32.18	
	1075.000	37.88	22.16	5.27	38.04	27.27	54.00	26.73	AV
	1180.000	44.35	23.49	5.34	37.81	35.37	54.00	18.63	
	1250.000	45.46	24.05	5.42	37.65	37.28	54.00	16.72	
	1365.000	33.43	24.80	5.55	37.33	26.45	54.00	27.55	
	1595.000	32.72	26.41	5.93	36.77	28.29	54.00	25.71	
	1760.000	31.18	26.96	6.17	36.49	27.82	54.00	26.18	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : E2351VZ Humidity : 60%RH

Serial No. : E11121472-01/01 Date of Test : Dec 19, 2011

Test Mode : DVI 1920*1080@60Hz Adapter #1 : ADS-40SG-19-3
19032G

Polarization	Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
Vertical	75.590	25.28	10.27	1.53	--	37.08	40.00	2.92	QP
	145.430	18.64	10.50	2.20	--	31.34	43.50	12.16	
	193.930	16.28	9.86	2.41	--	28.55	43.50	14.95	
	322.940	12.12	14.34	2.82	--	29.28	46.00	16.72	
	424.790	12.26	16.62	3.06	--	31.94	46.00	14.06	
	594.540	14.33	18.17	3.45	--	35.95	46.00	10.05	
	1080.000	49.01	22.24	4.50	38.03	37.72	74.00	36.28	PK
	1275.000	46.59	24.25	4.53	37.57	37.80	74.00	36.20	
	1365.000	46.67	24.80	4.54	37.33	38.68	74.00	35.32	
	1600.000	47.89	26.40	4.56	36.76	42.09	74.00	31.91	
	1760.000	49.67	26.96	4.58	36.49	44.72	74.00	29.28	
	1850.000	43.62	26.52	4.64	36.37	38.41	74.00	35.59	
	1080.000	40.01	22.24	4.50	38.03	28.72	54.00	25.28	AV
	1275.000	31.59	24.25	4.53	37.57	22.80	54.00	31.20	
	1365.000	33.67	24.80	4.54	37.33	25.68	54.00	28.32	
	1600.000	35.89	26.40	4.56	36.76	30.09	54.00	23.91	
	1760.000	36.67	26.96	4.58	36.49	31.72	54.00	22.28	
	1850.000	29.62	26.52	4.64	36.37	24.41	54.00	29.59	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : E2351VZ Humidity : 60%RH

Serial No. : E11121472-01/01 Date of Test : Dec 19, 2011

Test Mode : HDMI 640*480@60Hz Adapter #1 : ADS-40SG-19-3
19032G

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	62.980	23.73	9.36	1.26	34.35	40.00	5.65
	82.380	19.49	10.67	1.63	31.79	40.00	8.21
	266.680	26.99	12.66	2.66	42.31	46.00	3.69
	315.180	24.69	14.12	2.79	41.60	46.00	4.40
	594.540	19.85	18.17	3.45	41.47	46.00	4.53
	741.980	17.84	19.98	3.78	41.60	46.00	4.40
Vertical	61.040	23.72	9.21	1.21	34.14	40.00	5.86
	82.380	19.19	10.67	1.63	31.49	40.00	8.51
	213.330	24.20	10.33	2.47	37.00	43.50	6.50
	344.280	18.55	14.96	2.86	36.37	46.00	9.63
	446.130	20.92	16.92	3.11	40.95	46.00	5.05
	594.540	19.08	18.17	3.45	40.70	46.00	5.30

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : E2351VZ Humidity : 60%RH

Serial No. : E11121472-01/01 Date of Test : Dec 19, 2011

Test Mode : HDMI 1280*1024@75Hz Adapter #1 : ADS-40SG-19-3
19032G

Polarization	Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
Horizontal	72.680	18.50	10.08	1.47	--	30.05	40.00	9.95	QP
	288.990	23.94	13.39	2.72	--	40.05	46.00	5.95	
	322.940	24.12	14.34	2.82	--	41.28	46.00	4.72	
	594.540	16.69	18.17	3.45	--	38.31	46.00	7.69	
	741.980	15.13	19.98	3.78	--	38.89	46.00	7.11	
	890.390	10.64	20.33	4.89	--	35.86	46.00	10.14	
	1075.000	55.88	22.16	5.27	38.04	45.27	74.00	28.73	PK
	1250.000	50.46	24.05	5.42	37.65	42.28	74.00	31.72	
	1365.000	51.43	24.80	5.55	37.33	44.45	74.00	29.55	
	1465.000	46.20	26.11	5.72	37.06	40.97	74.00	33.03	
	1595.000	47.72	26.41	5.93	36.77	43.29	74.00	30.71	
	1760.000	50.18	26.96	6.17	36.49	46.82	74.00	27.18	
	1075.000	40.88	22.16	5.27	38.04	30.27	54.00	23.73	AV
	1250.000	32.46	24.05	5.42	37.65	24.28	54.00	29.72	
	1365.000	35.43	24.80	5.55	37.33	28.45	54.00	25.55	
	1465.000	33.20	26.11	5.72	37.06	27.97	54.00	26.03	
	1595.000	30.72	26.41	5.93	36.77	26.29	54.00	27.71	
	1760.000	30.18	26.96	6.17	36.49	26.82	54.00	27.18	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : E2351VZ Humidity : 60%RH

Serial No. : E11121472-01/01 Date of Test : Dec 19, 2011

Test Mode : HDMI 1280*1024@75Hz Adapter #1 : ADS-40SG-19-3
19032G

Polarization	Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
Vertical	65.890	21.00	9.55	1.32	--	31.87	40.00	8.13	QP
	82.380	19.49	10.67	1.63	--	31.79	40.00	8.21	
	322.940	15.86	14.34	2.82	--	33.02	46.00	12.98	
	446.130	20.41	16.92	3.11	--	40.44	46.00	5.56	
	528.580	17.28	17.77	3.33	--	38.38	46.00	7.62	
	741.980	14.58	19.98	3.78	--	38.34	46.00	7.66	
	1080.000	52.01	22.24	4.50	38.03	40.72	74.00	33.28	PK
	1170.000	38.30	23.38	4.51	37.83	28.36	74.00	45.64	
	1315.000	39.85	24.50	4.53	37.48	31.40	74.00	42.60	
	1465.000	47.43	26.11	4.55	37.06	41.03	74.00	32.97	
	1600.000	50.89	26.40	4.56	36.76	45.09	74.00	28.91	
	1760.000	52.67	26.96	4.58	36.49	47.72	74.00	26.28	
	1080.000	42.01	22.24	4.50	38.03	30.72	54.00	23.28	AV
	1170.000	50.30	23.38	4.51	37.83	40.36	54.00	13.64	
	1315.000	52.85	24.50	4.53	37.48	44.40	54.00	9.60	
	1465.000	34.43	26.11	4.55	37.06	28.03	54.00	25.97	
	1600.000	42.89	26.40	4.56	36.76	37.09	54.00	16.91	
	1760.000	37.67	26.96	4.58	36.49	32.72	54.00	21.28	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : E2351VZ Humidity : 60%RH

Serial No. : E11121472-01/01 Date of Test : Dec 19, 2011

Test Mode : HDMI 1680*1050@60Hz Adapter #1 : ADS-40SG-19-3
19032G

Polarization	Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
Horizontal	213.330	27.58	10.33	2.47	--	40.38	43.50	3.12	QP
	288.990	23.19	13.39	2.72	--	39.30	46.00	6.70	
	315.180	19.88	14.12	2.79	--	36.79	46.00	9.21	
	353.980	17.95	15.25	2.89	--	36.09	46.00	9.91	
	594.540	14.47	18.17	3.45	--	36.09	46.00	9.91	
	890.390	12.31	20.33	4.89	--	37.53	46.00	8.47	
	1075.000	52.88	22.16	5.27	38.04	42.27	74.00	31.73	PK
	1180.000	46.35	23.49	5.34	37.81	37.37	74.00	36.63	
	1365.000	48.43	24.80	5.55	37.33	41.45	74.00	32.55	
	1465.000	43.20	26.11	5.72	37.06	37.97	74.00	36.03	
	1595.000	44.72	26.41	5.93	36.77	40.29	74.00	33.71	
	1760.000	47.18	26.96	6.17	36.49	43.82	74.00	30.18	
	1075.000	42.88	22.16	5.27	38.04	32.27	54.00	21.73	AV
	1180.000	32.35	23.49	5.34	37.81	23.37	54.00	30.63	
	1365.000	37.43	24.80	5.55	37.33	30.45	54.00	23.55	
	1465.000	32.20	26.11	5.72	37.06	26.97	54.00	27.03	
	1595.000	36.72	26.41	5.93	36.77	32.29	54.00	21.71	
	1760.000	35.18	26.96	6.17	36.49	31.82	54.00	22.18	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : E2351VZ Humidity : 60%RH

Serial No. : E11121472-01/01 Date of Test : Dec 19, 2011

Test Mode : HDMI 1680*1050@60Hz Adapter #1 : ADS-40SG-19-3
19032G

Polarization	Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
Vertical	65.890	21.28	9.55	1.32	--	32.15	40.00	7.85	QP
	82.380	19.07	10.67	1.63	--	31.37	40.00	8.63	
	184.230	18.76	9.95	2.37	--	31.08	43.50	12.42	
	322.940	15.72	14.34	2.82	--	32.88	46.00	13.12	
	446.130	20.89	16.92	3.11	--	40.92	46.00	5.08	
	741.980	16.45	19.98	3.78	--	40.21	46.00	5.79	
	1080.000	54.01	22.24	4.50	38.03	42.72	74.00	31.28	PK
	1185.000	51.32	23.54	4.51	37.80	41.57	74.00	32.43	
	1315.000	54.85	24.50	4.53	37.48	46.40	74.00	27.60	
	1520.000	47.77	26.55	4.55	36.92	41.95	74.00	32.05	
	1600.000	52.89	26.40	4.56	36.76	47.09	74.00	26.91	
	1850.000	48.62	26.52	4.64	36.37	43.41	74.00	30.59	
	1080.000	43.01	22.24	4.50	38.03	31.72	54.00	22.28	AV
	1185.000	36.32	23.54	4.51	37.80	26.57	54.00	27.43	
	1315.000	42.85	24.50	4.53	37.48	34.40	54.00	19.60	
	1520.000	34.77	26.55	4.55	36.92	28.95	54.00	25.05	
	1600.000	42.89	26.40	4.56	36.76	37.09	54.00	16.91	
	1850.000	34.62	26.52	4.64	36.37	29.41	54.00	24.59	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : E2351VZ Humidity : 60%RH

Serial No. : E11121472-01/01 Date of Test : Dec 19, 2011

Test Mode : HDMI 1920*1080@60Hz Adapter #1 : ADS-40SG-19-3
19032G

Polarization	Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
Horizontal	70.740	15.85	9.93	1.43	--	27.21	40.00	12.79	QP
	208.480	27.16	10.15	2.46	--	39.77	43.50	3.73	
	288.990	20.74	13.39	2.72	--	36.85	46.00	9.15	
	446.130	23.90	16.92	3.11	--	43.93	46.00	2.07	
	567.380	10.45	18.02	3.40	--	31.87	46.00	14.13	
	741.980	12.70	19.98	3.78	--	36.46	46.00	9.54	
	1075.000	57.88	22.16	5.27	38.04	47.27	74.00	26.73	PK
	1180.000	39.35	23.49	5.34	37.81	30.37	74.00	43.63	
	1250.000	39.46	24.05	5.42	37.65	31.28	74.00	42.72	
	1365.000	53.43	24.80	5.55	37.33	46.45	74.00	27.55	
	1465.000	48.20	26.11	5.72	37.06	42.97	74.00	31.03	
	1595.000	49.72	26.41	5.93	36.77	45.29	74.00	28.71	
	1075.000	42.88	22.16	5.27	38.04	32.27	54.00	21.73	AV
	1180.000	51.35	23.49	5.34	37.81	42.37	54.00	11.63	
	1250.000	52.46	24.05	5.42	37.65	44.28	54.00	9.72	
	1365.000	39.43	24.80	5.55	37.33	32.45	54.00	21.55	
	1465.000	38.20	26.11	5.72	37.06	32.97	54.00	21.03	
	1595.000	34.72	26.41	5.93	36.77	30.29	54.00	23.71	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : E2351VZ Humidity : 60%RH

Serial No. : E11121472-01/01 Date of Test : Dec 19, 2011

Test Mode : HDMI 1920*1080@60Hz Adapter #1 : ADS-40SG-19-3
19032G

Polarization	Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
Vertical	61.040	24.89	9.21	1.21	--	35.31	40.00	4.69	QP
	81.410	19.91	10.62	1.61	--	32.14	40.00	7.86	
	213.330	23.95	10.33	2.47	--	36.75	43.50	6.75	
	353.980	18.44	15.25	2.89	--	36.58	46.00	9.42	
	594.540	21.53	18.17	3.45	--	43.15	46.00	2.85	
	741.980	19.94	19.98	3.78	--	43.70	46.00	2.30	
	1080.000	55.01	22.24	4.50	38.03	43.72	74.00	30.28	PK
	1170.000	52.30	23.38	4.51	37.83	42.36	74.00	31.64	
	1315.000	54.85	24.50	4.53	37.48	46.40	74.00	27.60	
	1465.000	49.43	26.11	4.55	37.06	43.03	74.00	30.97	
	1600.000	52.89	26.40	4.56	36.76	47.09	74.00	26.91	
	1670.000	51.13	26.62	4.57	36.63	45.69	74.00	28.31	
	1080.000	42.01	22.24	4.50	38.03	30.72	54.00	23.28	AV
	1170.000	39.30	23.38	4.51	37.83	29.36	54.00	24.64	
	1315.000	43.85	24.50	4.53	37.48	35.40	54.00	18.60	
	1465.000	38.43	26.11	4.55	37.06	32.03	54.00	21.97	
	1600.000	43.89	26.40	4.56	36.76	38.09	54.00	15.91	
	1670.000	35.13	26.62	4.57	36.63	29.69	54.00	24.31	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : E2351VZ Humidity : 60%RH

Serial No. : E11121472-01/01 Date of Test : Dec 19, 2011

Test Mode : D-Sub 1920*1080@60Hz Adapter #2 : LCAP21A

Polarization	Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
Horizontal	70.740	16.88	9.93	1.43	--	28.24	40.00	11.76	QP
	208.480	27.43	10.15	2.46	--	40.04	43.50	3.46	
	284.140	23.99	13.24	2.71	--	39.94	46.00	6.06	
	363.680	18.38	15.49	2.91	--	36.78	46.00	9.22	
	594.540	16.64	18.17	3.45	--	38.26	46.00	7.74	
	741.980	18.86	19.98	3.78	--	42.62	46.00	3.38	
	1020.000	38.57	24.98	5.22	38.16	30.61	74.00	43.39	PK
	1250.000	41.43	26.08	5.42	37.65	35.28	74.00	38.72	
	1365.000	42.64	26.59	5.55	37.33	37.45	74.00	36.55	
	1465.000	38.41	26.90	5.72	37.06	33.97	74.00	40.03	
	1595.000	40.05	27.08	5.93	36.77	36.29	74.00	37.71	
	1760.000	42.91	27.23	6.17	36.49	39.82	74.00	34.18	
	1020.000	30.57	24.98	5.22	38.16	22.61	54.00	31.39	AV
	1250.000	30.43	26.08	5.42	37.65	24.28	54.00	29.72	
	1365.000	29.64	26.59	5.55	37.33	24.45	54.00	29.55	
	1465.000	26.41	26.90	5.72	37.06	21.97	54.00	32.03	
	1595.000	27.05	27.08	5.93	36.77	23.29	54.00	30.71	
	1760.000	31.91	27.23	6.17	36.49	28.82	54.00	25.18	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : E2351VZ Humidity : 60%RH

Serial No. : E11121472-01/01 Date of Test : Dec 19, 2011

Test Mode : D-Sub 1920*1080@60Hz Adapter #2 : LCAP21A

Polarization	Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
Vertical	33.880	15.95	16.26	0.83	--	33.04	40.00	6.96	QP
	90.140	23.06	11.00	1.73	--	35.79	43.50	7.71	
	213.330	23.85	10.33	2.47	--	36.65	43.50	6.85	
	353.980	17.35	15.25	2.89	--	35.49	46.00	10.51	
	512.090	17.38	17.68	3.30	--	38.36	46.00	7.64	
	594.540	18.97	18.17	3.45	--	40.59	46.00	5.41	
	1080.000	39.24	25.24	5.27	38.03	31.72	74.00	42.28	PK
	1275.000	37.69	26.21	5.47	37.57	31.80	74.00	42.20	
	1315.000	40.98	26.39	5.51	37.48	35.40	74.00	38.60	
	1465.000	36.47	26.90	5.72	37.06	32.03	74.00	41.97	
	1600.000	39.84	27.08	5.93	36.76	36.09	74.00	37.91	
	1760.000	41.81	27.23	6.17	36.49	38.72	74.00	35.28	
	1080.000	31.24	25.24	5.27	38.03	23.72	54.00	30.28	AV
	1275.000	27.69	26.21	5.47	37.57	21.80	54.00	32.20	
	1315.000	26.98	26.39	5.51	37.48	21.40	54.00	32.60	
	1465.000	26.47	26.90	5.72	37.06	22.03	54.00	31.97	
	1600.000	25.84	27.08	5.93	36.76	22.09	54.00	31.91	
	1760.000	27.81	27.23	6.17	36.49	24.72	54.00	29.28	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : E2351VZ Humidity : 60%RH

Serial No. : E11121472-01/01 Date of Test : Dec 19, 2011

Test Mode : D-Sub 1920*1080@60Hz Adapter #3 : LCAP26A-A

Polarization	Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
Horizontal	70.740	19.21	9.93	1.43	--	30.57	40.00	9.43	QP
	208.480	26.92	10.15	2.46	--	39.53	43.50	3.97	
	288.990	24.29	13.39	2.72	--	40.40	46.00	5.60	
	446.130	22.69	16.92	3.11	--	42.72	46.00	3.28	
	594.540	15.97	18.17	3.45	--	37.59	46.00	8.41	
	741.980	16.18	19.98	3.78	--	39.94	46.00	6.06	
	1075.000	55.88	22.16	5.27	38.04	45.27	74.00	28.73	PK
	1250.000	50.46	24.05	5.42	37.65	42.28	74.00	31.72	
	1365.000	51.43	24.80	5.55	37.33	44.45	74.00	29.55	
	1465.000	46.20	26.11	5.72	37.06	40.97	74.00	33.03	
	1595.000	47.72	26.41	5.93	36.77	43.29	74.00	30.71	
	1760.000	50.18	26.96	6.17	36.49	46.82	74.00	27.18	
	1075.000	44.88	22.16	5.27	38.04	34.27	54.00	19.73	AV
	1250.000	35.46	24.05	5.42	37.65	27.28	54.00	26.72	
	1365.000	38.43	24.80	5.55	37.33	31.45	54.00	22.55	
	1465.000	35.20	26.11	5.72	37.06	29.97	54.00	24.03	
	1595.000	38.72	26.41	5.93	36.77	34.29	54.00	19.71	
	1760.000	36.18	26.96	6.17	36.49	32.82	54.00	21.18	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : E2351VZ Humidity : 60%RH

Serial No. : E11121472-01/01 Date of Test : Dec 19, 2011

Test Mode : D-Sub 1920*1080@60Hz Adapter #3 : LCAP26A-A

Polarization	Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
Vertical	43.580	17.01	10.86	0.89	--	28.76	40.00	11.24	QP
	82.380	20.44	10.67	1.63	--	32.74	40.00	7.26	
	213.330	20.41	10.33	2.47	--	33.21	43.50	10.29	
	353.980	17.03	15.25	2.89	--	35.17	46.00	10.83	
	528.580	16.10	17.77	3.33	--	37.20	46.00	8.80	
	594.540	16.67	18.17	3.45	--	38.29	46.00	7.71	
	1080.000	46.24	22.24	5.27	38.03	35.72	74.00	38.28	PK
	1170.000	44.47	23.38	5.34	37.83	35.36	74.00	38.64	
	1315.000	46.87	24.50	5.51	37.48	39.40	74.00	34.60	
	1465.000	41.26	26.11	5.72	37.06	36.03	74.00	37.97	
	1600.000	44.52	26.40	5.93	36.76	40.09	74.00	33.91	
	1760.000	46.08	26.96	6.17	36.49	42.72	74.00	31.28	
	1080.000	37.24	22.24	5.27	38.03	26.72	54.00	27.28	AV
	1170.000	29.47	23.38	5.34	37.83	20.36	54.00	33.64	
	1315.000	35.87	24.50	5.51	37.48	28.40	54.00	25.60	
	1465.000	27.26	26.11	5.72	37.06	22.03	54.00	31.97	
	1600.000	33.52	26.40	5.93	36.76	29.09	54.00	24.91	
	1760.000	30.08	26.96	6.17	36.49	26.72	54.00	27.28	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : E2351VZ Humidity : 60%RH

Serial No. : E11121472-01/01 Date of Test : Dec 19, 2011

Test Mode : D-Sub 1920*1080@60Hz Adapter #4 : ADS-40FSG-19
19032GPCU-1

Polarization	Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
Horizontal	70.740	15.53	9.93	1.43	--	26.89	40.00	13.11	QP
	193.930	20.61	9.86	2.41	--	32.88	43.50	10.62	
	288.990	23.28	13.39	2.72	--	39.39	46.00	6.61	
	322.940	18.23	14.34	2.82	--	35.39	46.00	10.61	
	446.130	17.63	16.92	3.11	--	37.66	46.00	8.34	
	741.980	10.76	19.98	3.78	--	34.52	46.00	11.48	
	1075.000	48.88	22.16	5.27	38.04	38.27	74.00	35.73	PK
	1250.000	43.46	24.05	5.42	37.65	35.28	74.00	38.72	
	1365.000	44.43	24.80	5.55	37.33	37.45	74.00	36.55	
	1465.000	39.20	26.11	5.72	37.06	33.97	74.00	40.03	
	1595.000	40.72	26.41	5.93	36.77	36.29	74.00	37.71	
	1760.000	43.18	26.96	6.17	36.49	39.82	74.00	34.18	
	1075.000	40.88	22.16	5.27	38.04	30.27	54.00	23.73	AV
	1250.000	32.46	24.05	5.42	37.65	24.28	54.00	29.72	
	1365.000	30.43	24.80	5.55	37.33	23.45	54.00	30.55	
	1465.000	26.20	26.11	5.72	37.06	20.97	54.00	33.03	
	1595.000	28.72	26.41	5.93	36.77	24.29	54.00	29.71	
	1760.000	29.18	26.96	6.17	36.49	25.82	54.00	28.18	

TEST ENGINEER: RAVEN JIN

EUT : LCD Monitor Temperature : 22°C

Model No. : E2351VZ Humidity : 60%RH

Serial No. : E11121472-01/01 Date of Test : Dec 19, 2011

Test Mode : D-Sub 1920*1080@60Hz Adapter #4 : ADS-40FSG-19
19032GPCU-1

Polarization	Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
Vertical	32.910	19.68	16.79	0.82	--	37.29	40.00	2.71	QP
	90.140	21.49	11.00	1.73	--	34.22	43.50	9.28	
	213.330	21.30	10.33	2.47	--	34.10	43.50	9.40	
	353.980	17.52	15.25	2.89	--	35.66	46.00	10.34	
	446.130	21.74	16.92	3.11	--	41.77	46.00	4.23	
	741.980	19.00	19.98	3.78	--	42.76	46.00	3.24	
	1080.000	43.24	22.24	5.27	38.03	32.72	74.00	41.28	PK
	1275.000	40.65	24.25	5.47	37.57	32.80	74.00	41.20	
	1365.000	40.66	24.80	5.55	37.33	33.68	74.00	40.32	
	1465.000	38.26	26.11	5.72	37.06	33.03	74.00	40.97	
	1600.000	41.52	26.40	5.93	36.76	37.09	74.00	36.91	
	1760.000	43.08	26.96	6.17	36.49	39.72	74.00	34.28	
	1080.000	32.24	22.24	5.27	38.03	21.72	54.00	32.28	AV
	1275.000	29.65	24.25	5.47	37.57	21.80	54.00	32.20	
	1365.000	28.66	24.80	5.55	37.33	21.68	54.00	32.32	
	1465.000	22.26	26.11	5.72	37.06	17.03	54.00	36.97	
	1600.000	29.52	26.40	5.93	36.76	25.09	54.00	28.91	
	1760.000	30.08	26.96	6.17	36.49	26.72	54.00	27.28	

TEST ENGINEER: RAVEN JIN

5 DEVIATION TO TEST SPECIFICATIONS

None.

6 DEBUG DESCRIPTION

The following components are used during the countermeasure procedures:

Name	Specifications (mm)	Manufacturer	Location
EMI Sponge	13*10*10	EXPANElectronics SUZHOU Co., Ltd.	See Appendix Figure 24
SPONGE	108*10*1	EXPANElectronics SUZHOU Co., Ltd.	See Appendix Figure 24
SPONGE	140*10*1	EXPANElectronics SUZHOU Co., Ltd.	See Appendix Figure 24
DVI EMI sponge	36*21*1T	EXPANElectronics SUZHOU Co., Ltd.	See Appendix Figure 24

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)