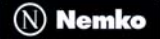


FCC Test Report

FCC EVALUATION REPORT FOR VERIFICATION	
Project Reference No.	142597
Product	LCD Monitor
Brand Name	1) Great Wall, 2) ativa, 3) MECER
Model	M236JU
Alternate Model	M236XXX
Tested according to	FCC Rules and Regulations Part 15 Subpart B Class B 2007, ANSI C63.4-2003

Tested in period	2010-01-16 to 2010-02-24	
Issued date	2010-02-24	
Name and address of the Test House	 Nemko Shanghai Ltd. 9A No. 528 Ruiqing Road, PuDong New Area, Shanghai, China P.C. Phone : +86 21 5072 0988 Fax : +86 21 5072 0950	
Tested by	<i>Susan Zhou</i>	2010-02-24
	Susan Zhou	date
Verified by	<i>Daria Liu</i>	2010-02-24
	Daria Liu	date

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1. Client Information

1.1 Applicant

Company Name: China Great Wall Computer Shenzhen Co., Ltd.

Company Address: Great-Wall Building, Science & Industrial Park Nantou, Shenzhen, CHINA

1.2 Manufacturer

Company Name: China Great Wall Computer Shenzhen Co., Ltd.

Company Address: Great-Wall Building, Science & Industrial Park Nantou, Shenzhen, CHINA

1.3 Scope

●Measurement and determination of electromagnetic emissions (EME) of radio frequency devices including intentional and/or unintentional radiators for compliance with the technical rules and regulations of the Federal Communications Commission under FCC part 15.

2. Equipment under Test (EUT)

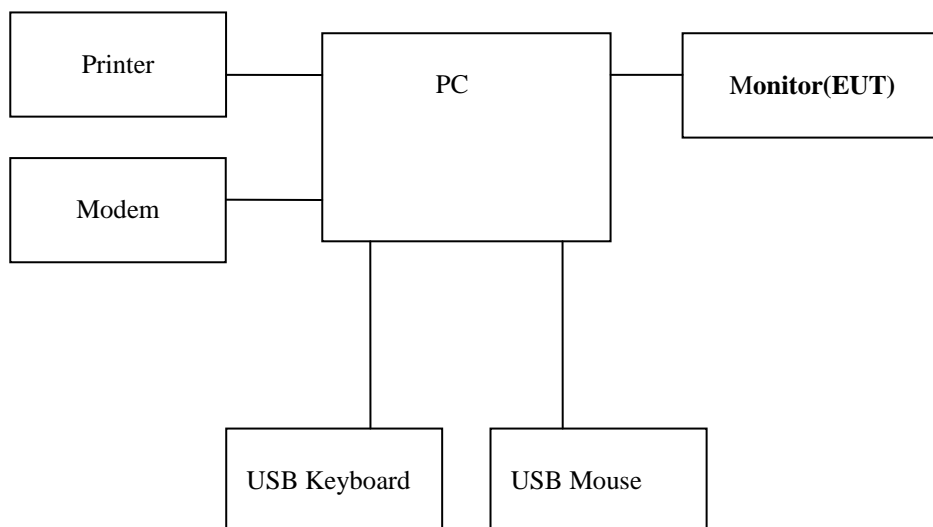
2.1 Identification of EUT

Category: **LCD Monitor**
 Model Name: **M236JU**
 Alternate model: **M236XXX**
 Brand name: 1) Great Wall, 2) ativa, 3) MECER
 Technical data (Rating, etc.): **Input: 100-240V AC 50/60Hz 1.0A max Cl.I**

2.2 Model List

Model Name	Technical Deviations From Reference Model
M236XXX	The first and second symbol * in type designation can be alphanumeric character or blank and denote different ornamentand/or enclosure. The third and fourth symbol * in type designation can be alphanumeric character or blank and denote different colour of enclosure, client or different sales area.
Remark	The all models in the serie have same circuit and electrical components so M236JU is the representative model for test.

2.3 Setup drawing



2.4 Additional Information Related to Testing

Test mode

120V 60Hz 1920x1080 60Hz VGA and DVI : worse result mode by pre-scan,
 only list worse result in the report

120V 60Hz 1280x1024 75Hz VGA and DVI

120V 60Hz 800x600 60Hz VGA and DVI

2.5 Picture Documentation

- Pictures can be found in Appendix B and C.

3. General Test Conditions

3.1 Location

These measurement tests were conducted at Audix Technology (Shenzhen) Co., Ltd.
No. 6, Ke Feng Rd., 52 Block, Shenzhen Science & Industrial Park, Nantou, Shenzhen, Guangdong, China

3m Anechoic Chamber : Jun. 13, 2006 File on Federal Communication Commission

Registration Number: 90454

3m & 10m Anechoic Chamber : Jan. 31, 2007 File on Federal Communication Commission

Registration Number: 794232

Note: all test are witnessed by NEMKO engineer

3.2 Operating Environment

All tests and measurements were performed in a shielded enclosure or a controlled environment suitable for the tests conducted. The climatic conditions in the test area are automatically controlled and recorded continuously.

Parameters	Recording during test	Accepted deviation
Ambient temperature	18-20°C	15 – 35 °C
Relative humidity	45-52%	30 - 60%
Atmospheric pressure	101.2 kPa -101.3kPa	86-106kPa

3.3 Operating During Test

- The EUT is operated at a.c. 120V, 60Hz during all tests.
- 1920x1080 60Hz VGA and DVI operating conditions,EUT connect VGA or DVI, AUDIO IN port to PC. Full screen “H” character.

3.4 Test Equipment

The test equipments used in testing are calibrated on a regular basis. For most of the testing equipments accredited calibration is conducted once a year. For certain equipment the calibration interval is longer. Between the calibrations all test equipment are controlled and verified on a regular basis. The test equipments used are defined in each test section of this report.

AE Equipment:

VGA Cable : Shielded, Detachable, 1.8m(Bonded two ferrite cores)

DVI Cable : Shielded, Detachable, 1.8m(Bonded two ferrite cores)

Power Cord : Unshielded, Detachable, 1.8m (3pins)

1:PERSONAL COMPUTER

EMC CODE : Test PC P

M/N : Studio 540

S/N : 124XK2X

Manufacturer : DELL

Power cord : Unshielded, Detachable, 1.8m

FCC : DoC

BSMI ID : R33002



FCCID:KXYM236XXX

Reference No.: 142597

Display Card HD3450(VGA+DVI+HDMI)

2:USB KEYBOARD

EMC CODE : ACS-EMC-K12R

M/N : SK-8115

S/N : CN-ODJ313-71616-711-04WJ

Manufacturer : DELL

Data Cable : Shielded, Undetachabled, 2.0m

FCC: DoC

BSMI ID : T3A002

3: PRINTER

EMC CODE : ACS-EMC-PT04

M/N : C9079A

Manufacturer : HP

USB Cable : Shielded, Detachabled, 1.8m

Power Cord : Unshielded, Detachabled, 1.8m

FCC : DoC

BSMI ID : R33001

Power Adaptor : Manufacturer: HP

M/N: 0957-2119

BSMI ID: R33030

DC Cable: Unshielded, Detachabled, 1.5m

4: USB MOUSE

EMC CODE : ACS-EMC-M11R

M/N : MO56UOA

S/N : G010200

Manufacturer : DELL

Data Cable : Shielded, Undetachabled, 1.8m

FCC: DoC

BSMI ID : R41108

5: HDD

EMC CODE : ACS-EMC-HDD01

M/N : F12-UF

S/N : A0100215-5390018

Manufacturer : Terasys

Data Cable : Shielded, Detachabled, 1.8m

FCC ID : By DoC

BSMI ID : 4912A022

4. Measurement Uncertainty

The Measurement Uncertainties stated were calculated in accordance with the requirements of NIST Technical Note 1297 with the confidence level of 95 %.

1. Radiation Uncertainty Calculation

<i>Contribution</i>	<i>Probability Distribution</i>	<i>Uncertainty(+/-dB)</i>
Antenna Factor	Normal ($k = 2$)	± 0.5
Cable Loss	Normal ($k = 2$)	± 0.04
Receiver Specification	Rectangular	± 2.0
Antenna directivity	Rectangular	± 1.0
Antenna Factor variation with Height		
Antenna Phase Center Variation		
Antenna Factor Frequency Interpolation		
Measurement Distance Variation		
Site Imperfections	Rectangular	± 2.0
Mismatch:Receiver VRC $r_i=0.3$ Antenna VRC $r_R=0.1(B_i)0.4(L_p)$ Uncertainty Limits $20\text{Log}(1+/-r_i r_R)$	U-Shaped	$+ 0.25 / - 0.26$
System Repeatability	Std.deviation	± 0.05
Repeatability of EUT	-	-
Combined Standard Uncertainty	Normal	± 1.77
Expanded Uncertainty U	Normal ($k = 2$)	± 3.5

2. Conducted Uncertainty Calculation

<i>Contribution</i>	<i>Probability Distribution</i>	<i>Uncertainty(+/-dB)</i>
Receiver Specification	Normal ($k = 2$)	± 2.0
LISN coupling spec.	Normal ($k = 2$)	± 0.4
Cable and input attenuator cal.	Rectangular	± 0.4
Mismatch:Receiver VRC $r_i=0.3$ LISN vrc $r_g=0.1$ Uncertainty Limits $20\text{Log}(1+/-r_i r_R)$	U-Shaped	± 0.26
System Repeatability	Std.deviation	± 0.68
Repeatability of EUT	-	-
Combined Standard Uncertainty	Normal	± 1.18
Expanded Uncertainty U	Normal ($k = 2$)	± 2.4

5. Conducted Emission (150 KHz to 30 MHz)

5.1 Test Procedure

The EUT was placed on a non-metallic table, 80cm above the ground plane. The EUT Power connected to the power mains through a line impedance stabilization network. This provided a 50-ohm coupling impedance for the EUT (Please refer to the test setup photographs). The other peripheral devices power cord connected to the power mains through another line impedance stabilization network.

Both sides of power line were checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipments and all of the interface cables were changed according to ANSI C63.4-2003 on conducted Emission test.

The bandwidth of test receiver is set at 9kHz. The frequency range from 150kHz to 30MHz is checked. The test result are reported as below.

5.2 Measurement Equipment

	Equipment	Last Calibration	Type	Serial No.	Manufacturer
<input checked="" type="checkbox"/>	EMI Test Receiver	09.05.07	ESHS10	844077/020	R&S
<input checked="" type="checkbox"/>	LISN	09.05.10	ESH2-Z5	834066/011	R&S
<input checked="" type="checkbox"/>	LISN	09.05.10	3825/2	9006-1660	EMCO
<input checked="" type="checkbox"/>	Terminator	09.05.10	50Ω	No.1	Hubersuhner
<input checked="" type="checkbox"/>	RF cable	09.07.08	3D-2W	LISN Cable1#	Fujikura
<input checked="" type="checkbox"/>	Coaxial switch	09.07.08	MP59B	M55367	Anritsu
<input checked="" type="checkbox"/>	Pulse Limiter	09.07.08	ESH3-Z2	100340	R&S

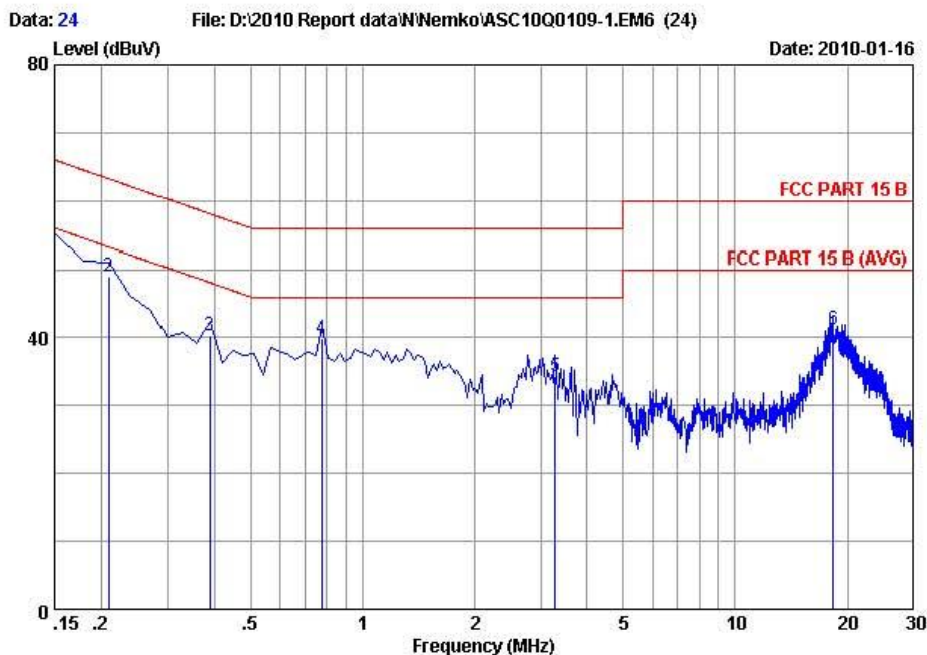
5.3 Test Result

Connect mode	Power Line	Test Data	Test Result
DVI	Line	Diagram 001	Pass
	Neutral	Diagram 002	Pass
VGA	Line	Diagram 003	Pass
	Neutral	Diagram 004	Pass

NOTES:

1. Measurements using CISPR quasi-peak mode & average mode.
2. All modes of operation were investigated and the worst -case emission are reported. See attached Plots.
3. **Corr. = LISN Factor + Cable Loss
4. LINE: L1 =Line, N = Neutral
5. The limit for Class B device is on the FCC Part section 15.107(a).
- 6: If PK value is lower than AV limit then no reading value listed in report .If QP value is Lower than AV limit ,then AV value don't listed in report.

5.3.1 Diagram 001

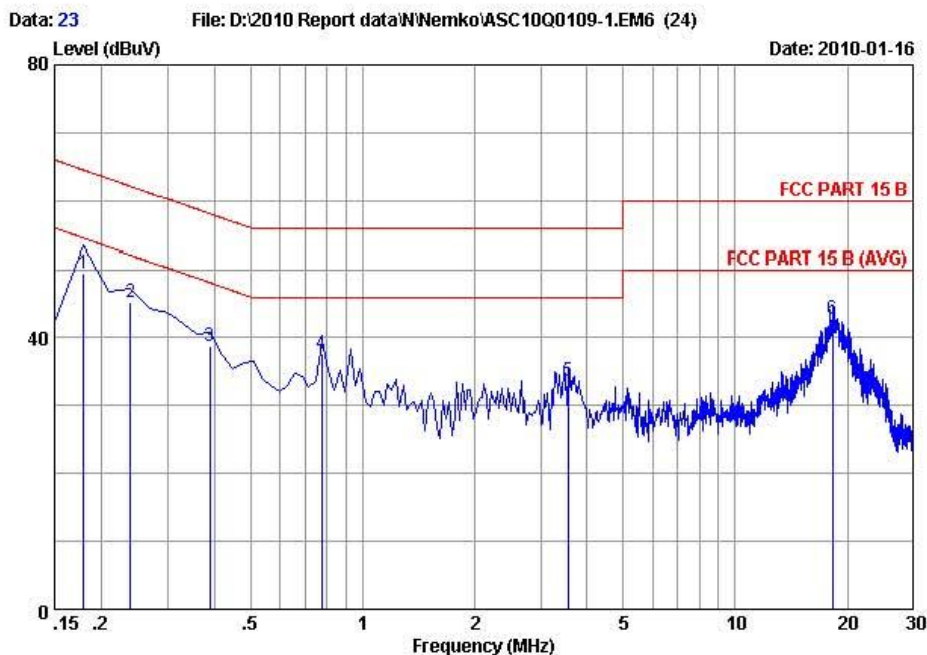


Site no :Audix No.2 Conduction Data No :24
 Dis./Ant. **: 2009 ENV4200 LISN phase:LINE
 Limit :FCC PART 15 B
 Env./Ins. :29.5°C/55% Engineer :Cain
 EUT :LCD Monitor M/N:M236XXX
 Power Rating :AC 120V/60Hz
 Test Mode :Running "H" Pattern And Playing Music
 :DVI:1920*1080@60Hz

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.15000	10.62	9.83	32.81	53.26	66.00	12.74	QP
2	0.20970	10.34	9.83	28.91	49.08	63.22	14.14	QP
3	0.38880	9.97	9.84	20.43	40.24	58.09	17.85	QP
4	0.77685	9.75	9.84	20.22	39.81	56.00	16.19	QP
5	3.284	9.76	9.88	14.79	34.43	56.00	21.57	QP
6	18.299	10.07	9.97	21.23	41.27	60.00	18.73	QP

Remarks: 1.Emission Level=LISN Factor+Cable Loss(Include 10dB pulse limit)+Reading.
 2.If the average limit is met when using a quasi-peak detector, the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.

5.3.2 Diagram 002

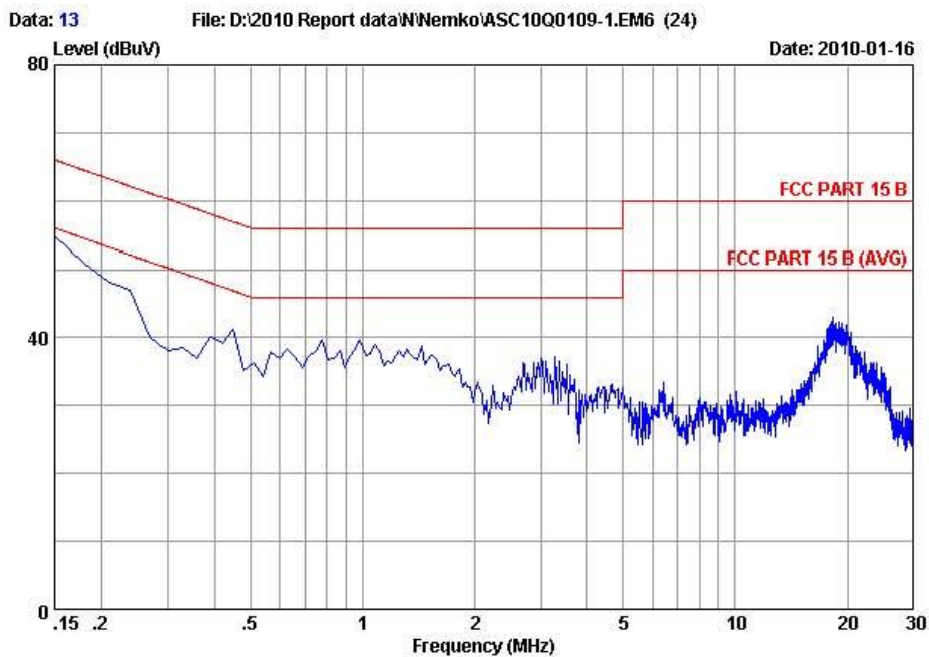


Site no :Audix No.2 Conduction Data No :23
 Dis./Ant. **: 2009 ENV4200 LISN phase:NEUTRAL
 Limit :FCC PART 15 B
 Env./Ins. :29.5°C/55% Engineer :Cain
 EUT :LCD Monitor M/N:M236XXX
 Power Rating :AC 120V/60Hz
 Test Mode :Running "H" Pattern And Playing Music
 :DVI:1920*1080@60Hz

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.17985	10.48	9.83	29.25	49.56	64.49	14.93	QP
2	0.23955	10.31	9.83	25.05	45.19	62.11	16.92	QP
3	0.38880	10.00	9.84	18.86	38.70	58.09	19.39	QP
4	0.77685	9.76	9.84	18.06	37.66	56.00	18.34	QP
5	3.553	9.76	9.88	13.99	33.63	56.00	22.37	QP
6	18.269	9.98	9.97	22.77	42.72	60.00	17.28	QP

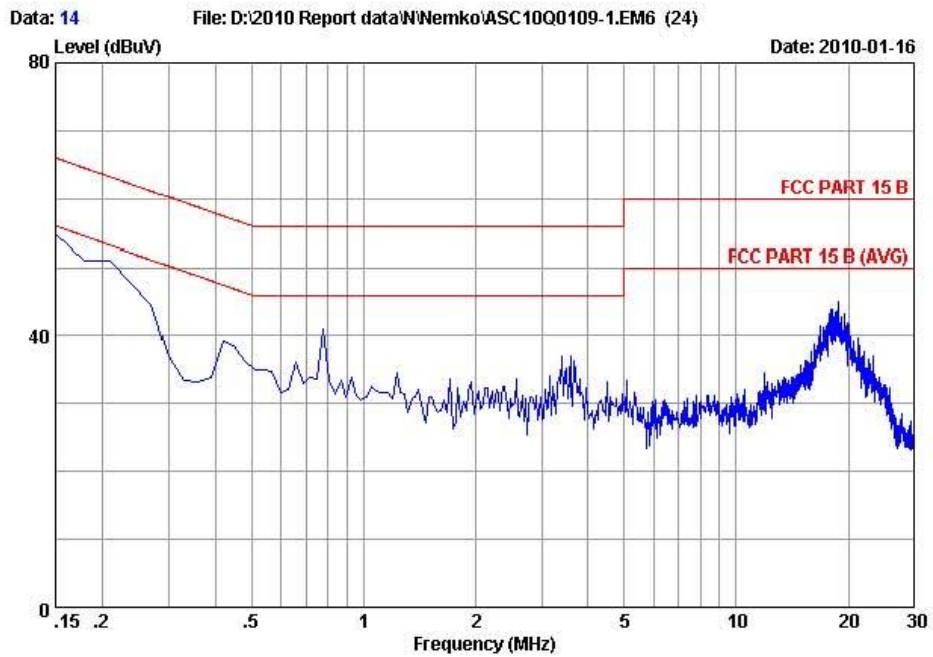
Remarks: 1.Emission Level=LISN Factor+Cable Loss(Include 10dB pulse limit)+Reading.
 2.If the average limit is met when using a quasi-peak detector, the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.

5.3.3 Diagram 003



Site no :Audix No.2 Conduction Data No :13
 Dis./Ant. **: 2009 ENV4200 LISN phase:LINE
 Limit :FCC PART 15 B
 Env./Ins. :29.5°C/55% Engineer :Cain
 EUT :LCD Monitor M/N:M236XXX
 Power Rating :AC 120V/60Hz
 Test Mode :Running "H" Pattern And Playing Music
 :VGA:1920*1080@60Hz

5.3.4 Diagram 004



Site no	: Audix No.2 Conduction	Data No	: 14
Dis./Ant.	: ** 2009 ENV4200	LISN phase:	NEUTRAL
Limit	: FCC PART 15 B	Engineer	: Cain
Env./Ins.	: 29.5°C/55%		
EUT	: LCD Monitor M/N:M236XXX		
Power Rating	: AC 120V/60Hz		
Test Mode	: Running "H" Pattern And Playing Music		
	: VGA:1920*1080@60Hz		

6. Radiated Electromagnetic Disturbances

6.1 Test Procedure

The EUT was placed on a non-metallic table, 80 cm above the ground plane inside a semi-anechoic chamber. An antenna was located 3m or 10m from the EUT on an adjustable mast.

The EUT were rotated 0 to 360 degree and the antenna height was varied between 1m and 4m in order to maximize the emission. Measurements in both horizontal and vertical polarities were made and the data was recorded. The test result are reported as below.

For below 1GHz

RBW=120 kHz; VBW=300KHz. The frequency range from 30MHz to 1000MHz is checked.

For above 1GHz

RBW=1MHz ; VBW=1MHz, PK detector for peak emissions measurement above 1GHz

RBW=1MHz ; VBW=10Hz, PK detector for average emissions measure above 1GHz

6.2 Measurement Equipment

	Equipment	Last Calibration	Type	Serial No.	Manufacturer
<input checked="" type="checkbox"/>	10m Chamber	Dec.05,09	N/A	N/A	AUDIX
<input checked="" type="checkbox"/>	EMC Spectrum	May.08,09	E7405A	MY42000131	Agilent
<input checked="" type="checkbox"/>	EMC Spectrum	Oct.24,09	E7405A	MY45116588	Agilent
<input checked="" type="checkbox"/>	Test Receiver	Oct 24,09	ESCI	100842	R & S
<input checked="" type="checkbox"/>	Pre-Amplifier	May.08,09	8447D	2944A10684	Agilent
<input checked="" type="checkbox"/>	Pre-Amplifier	May.08,09	8447D	2944A07794	Agilent
<input checked="" type="checkbox"/>	Bilog Antenna	Feb.12,09	CBL6112D	25238	Schaffner
<input checked="" type="checkbox"/>	Bilog Antenna	Feb.12,09	CBL6112D	25237	Schaffner
<input checked="" type="checkbox"/>	RF Cable	May.08,09	8D-FB	10m Chamber No.1	MIYAZAKI
<input checked="" type="checkbox"/>	RF Cable	May.08,09	8D-FB	10m Chamber No.2	MIYAZAKI
<input checked="" type="checkbox"/>	Coaxial Switch	May.08,09	MP59B	6200766906	Anritsu
<input checked="" type="checkbox"/>	Coaxial Switch	May.08,09	MP59B	6200766907	Anritsu
<input checked="" type="checkbox"/>	Coaxial Switch	May.08,09	MP59B	M74389	Anritsu
<input checked="" type="checkbox"/>	Horn Antenna	May.08,09	3115	9607-4877	EMCO
<input checked="" type="checkbox"/>	Horn Antenna	May.08,09	3115	9510-4580	EMCO
<input checked="" type="checkbox"/>	Amp	May.08,09	8449B	3008A00863	HP
<input checked="" type="checkbox"/>	Signal Generator	May.08,09	83732B	6K00003262	HP

6.3 Test Result

Connect mode	Antenna Polarity	Test Data	Test Result
VGA(below 1GHz) 10m test distance	Horizontal	Diagram 005	Pass(a)
	Vertical	Diagram 006	Pass(a)
DVI(below 1GHz) 10m test distance	Horizontal	Diagram 007	Pass(a)
	Vertical	Diagram 008	Pass(a)
VGA(above 1GHz) 3m test distance	Horizontal	Diagram 009	Pass
	Vertical	Diagram 010	Pass
DVI(above 1GHz) 3m test distance	Horizontal	Diagram 011	Pass
	Vertical	Diagram 012	Pass

NOTES:

1. All modes were measured and the worst case emission was reported.
2. *Pol. H =Horizontal V=Vertical
3. **Corr. = Antenna Factor + Cable Loss
4. Measurements using CISPR quasi-peak mode.
5. The limit for Class B device is on the FCC Part section 15.109(g).

Remark :

a)

The limit of 15.109(g) of 3 meter distance is

FREQUENCY MHz	DISTANCE Meters	FIELD STRENGTHS LIMIT	
		$\mu\text{V}/\text{m}$	$\text{dB}(\mu\text{V})/\text{m}$
30 ~ 88	3	100	40.0
88 ~ 216	3	150	43.5
216 ~ 960	3	200	46.0
960 ~ 1000	3	500	54.0

So the the FCC 15.109(g) limit of 10 meter distance is

Frequency (MHz)	Field strengths limit(dBuV/m)
30- 88	30
88-216	33.5
216-960	36
960-1000	44

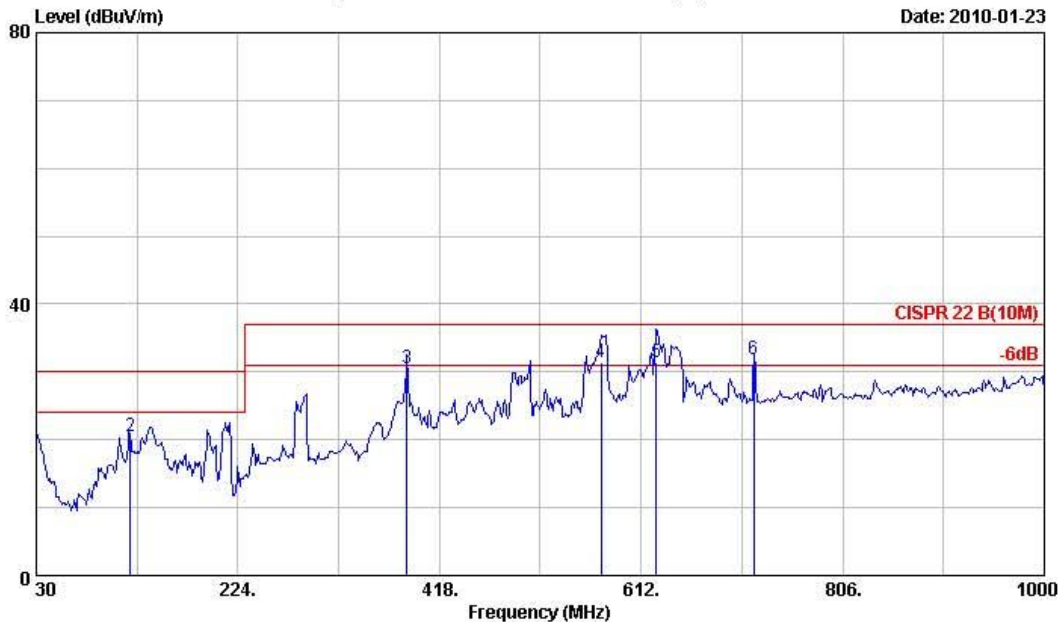
And in the diagram 003 to 006 ,the limit is cispr 22 limit of 10m distance ,and it is as below

Frequency (MHz)	Field strengths limit(dBuV/m)
30- 230	30
230-1000	37

And the margin of the test result in digram003 to 006 is more than the difference of these 2 kind of limit ,so the Eut is expressed pass .

6.3.1 Diagram 005

Data: 30 File: D:\2009 Report Data\Nemko\ACS10Q0109-1.EM6 (40) Date: 2010-01-23

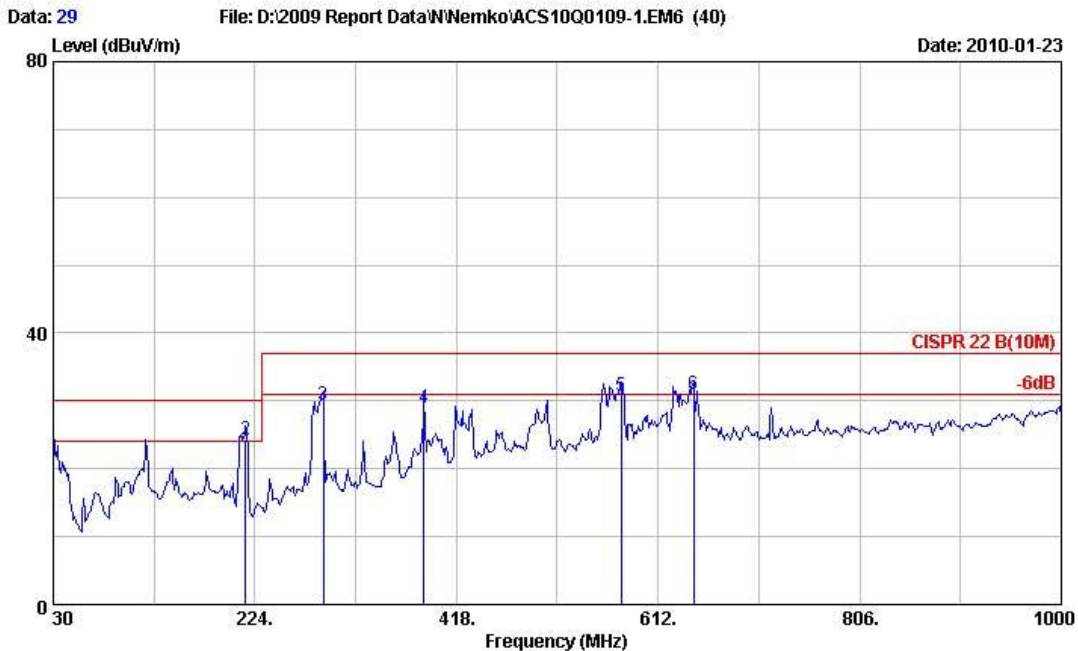


Site no. : 10m Chamber Test Site Data No. : 30
 Dis. / Ant. : 10m 09 CBL6112D 25237 Ant. pol. : HORIZONTAL
 Limit : CISPR 22 B(10M)
 Env. / Ins. : 24°C/56% Engineer : Frank
 EUT : LCD monitor M/N:M236XXX
 Power Rating : AC 120V/60Hz
 Test Mode : Running 'H' Pattern And Playing Music
 : VGA:1920*1080@60Hz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level dBuV/m)	Limits (dBuV/m)	Magin (dB)	Remark
1	30.000	19.00	0.54	1.53	21.07	30.00	8.93	QP
2	120.210	11.80	1.19	7.61	20.60	30.00	9.40	QP
3	386.960	13.91	2.58	13.96	30.45	37.00	6.55	QP
4	573.200	18.07	3.20	10.17	31.44	37.00	5.56	QP
5	626.550	18.20	3.36	9.83	31.39	37.00	5.61	QP
6	720.640	18.33	3.63	9.80	31.76	37.00	5.24	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.

6.3.2 Diagram 006

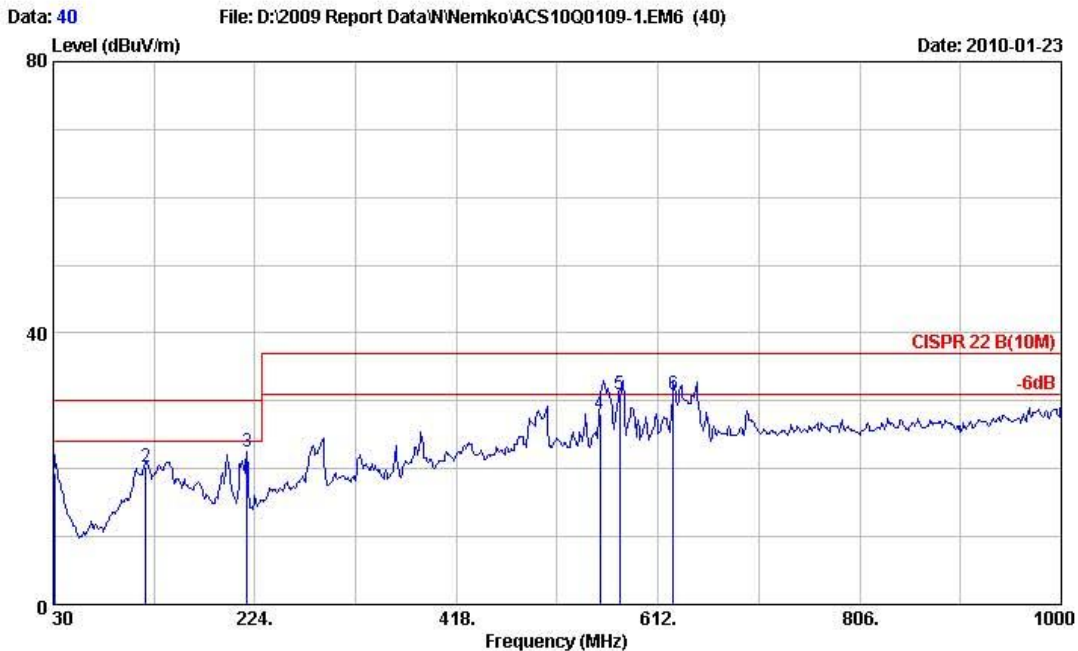


Site no. : 10m Chamber Test Site Data No. : 29
 Dis. / Ant. : 10m 09 CBL6112D 25238 Ant. pol. : VERTICAL
 Limit : CISPR 22 B(10M)
 Env. / Ins. : 24°C/56% Engineer : Frank
 EUT : LCD monitor M/N:M236XXX
 Power Rating : AC 120V/60Hz
 Test Mode : Running 'H' Pattern And Playing Music
 : VGA:1920*1080@60Hz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level dBuV/m)	Limits (dBuV/m)	Magin (dB)	Remark
1	30.000	19.00	0.76	4.38	24.14	30.00	5.86	QP
2	215.270	8.60	2.30	13.32	24.22	30.00	5.78	QP
3	289.960	12.30	2.73	14.35	29.38	37.00	7.62	QP
4	386.960	13.91	3.27	11.85	29.03	37.00	7.97	QP
5	576.110	18.04	4.19	8.41	30.64	37.00	6.36	QP
6	645.950	18.30	4.55	8.03	30.88	37.00	6.12	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.

6.3.3 Diagram 007

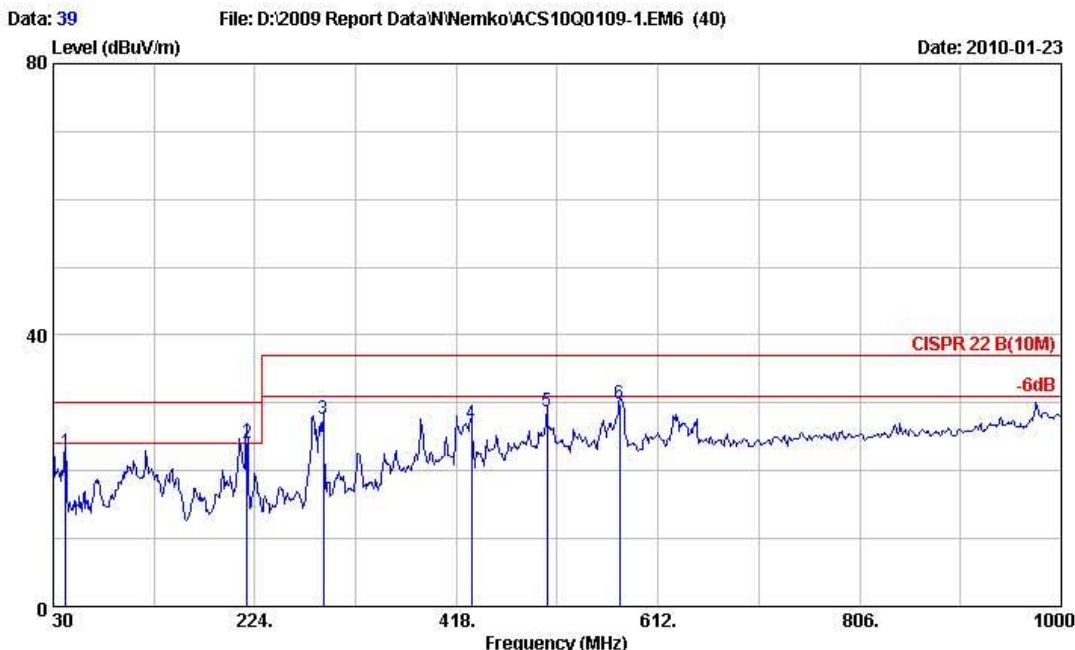


Site no. : 10m Chamber Test Site Data No. : 40
 Dis. / Ant. : 10m 09 CBL6112D 25237 Ant. pol. : HORIZONTAL
 Limit : CISPR 22 B(10M)
 Env. / Ins. : 24°C/56% Engineer : Frank
 EUT : LCD monitor M/N:M236XXX
 Power Rating : AC 120V/60Hz
 Test Mode : Running 'H' Pattern And Playing Music
 : DVI:1920*1080@60Hz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level dBuV/m)	Limits (dBuV/m)	Magin (dB)	Remark
1	31.940	18.00	0.56	0.74	19.30	30.00	10.70	QP
2	119.240	11.74	1.19	7.25	20.18	30.00	9.82	QP
3	216.240	8.58	1.69	12.25	22.52	30.00	7.48	QP
4	555.740	17.98	3.14	6.92	28.04	37.00	8.96	QP
5	575.140	18.05	3.20	9.65	30.90	37.00	6.10	QP
6	626.550	18.20	3.36	9.44	31.00	37.00	6.00	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.

6.3.4 Diagram 008

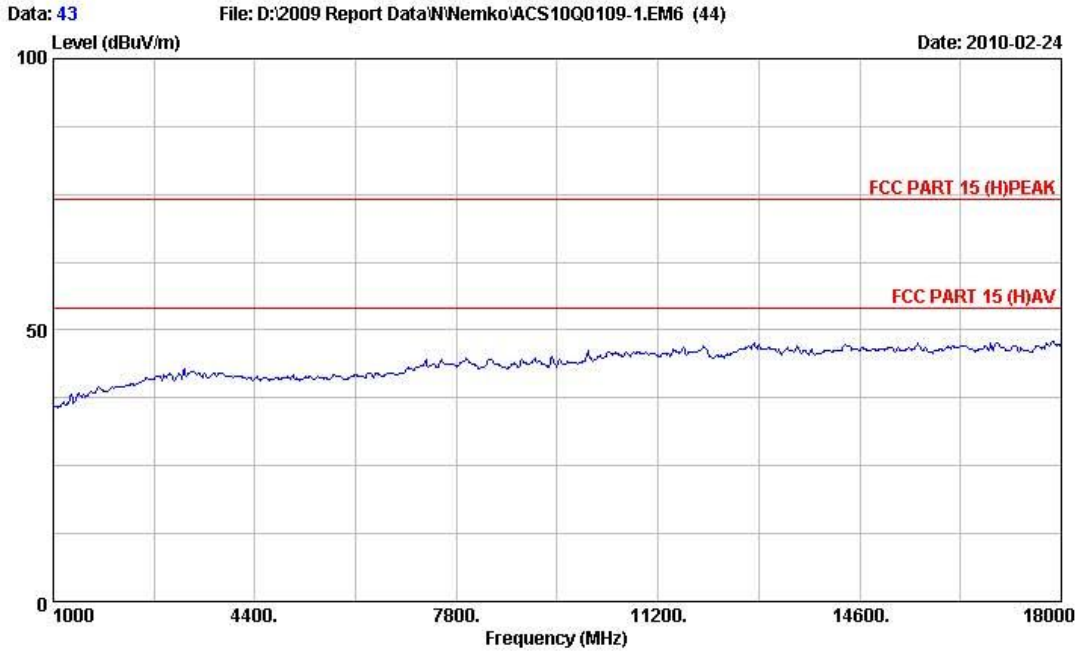


Site no. : 10m Chamber Test Site Data No. : 39
 Dis. / Ant. : 10m 09 CBL6112D 25238 Ant. pol. : VERTICAL
 Limit : CISPR 22 B(10M)
 Env. / Ins. : 24°C/56% Engineer : Frank
 EUT : LCD monitor M/N:M236XXX
 Power Rating : AC 120V/60Hz
 Test Mode : Running 'H' Pattern And Playing Music
 : DVI:1920*1080@60Hz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level dBuV/m)	Limits (dBuV/m)	Magin (dB)	Remark
1	41.640	11.44	0.95	10.34	22.73	30.00	7.27	QP
2	216.240	8.58	2.30	13.19	24.07	30.00	5.93	QP
3	289.960	12.30	2.73	12.70	27.73	37.00	9.27	QP
4	432.550	16.20	3.50	7.37	27.07	37.00	9.93	QP
5	505.300	17.25	3.85	7.60	28.70	37.00	8.30	QP
6	575.140	18.05	4.19	7.63	29.87	37.00	7.13	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.

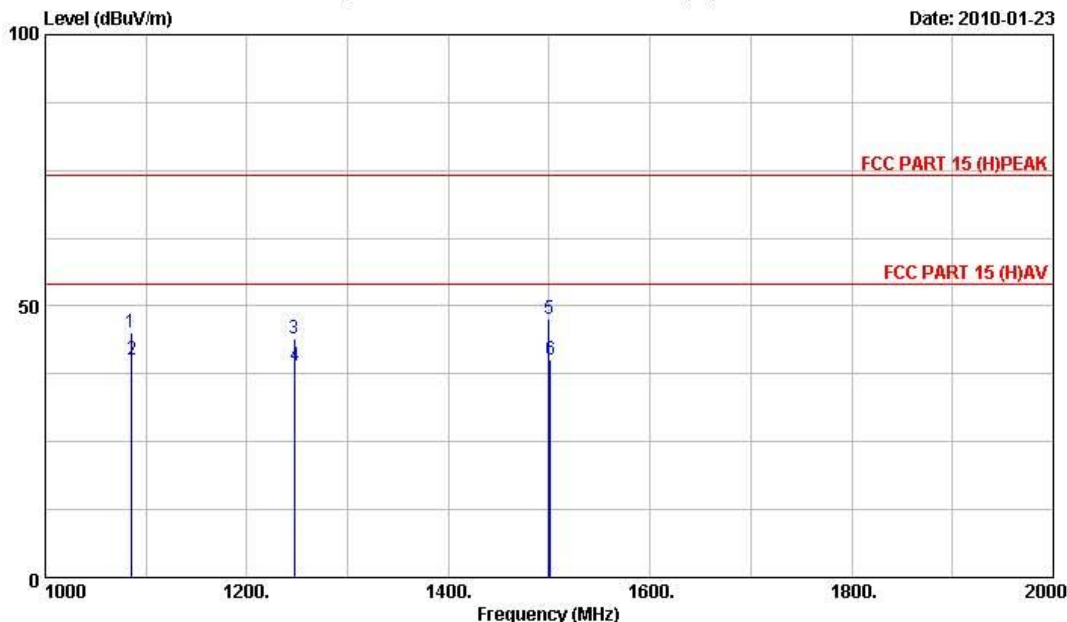
6.3.5 Diagram 009



Site no. : 10m Chamber Test Site Data No. : 43
 Dis. / Ant. : 3m 2009 CBL6111C 2768 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 (H)PEAK
 Env. / Ins. : 24°C/56% Engineer : Frank
 EUT : LCD monitor M/N:M236***
 Power Rating : AC 120V/60Hz
 Test Mode : Running 'H' Pattern
 VGA:1920*1080@60Hz

Data: 24 File: D:\2009 Report Data\Nemko\ACS10Q0109-1.EM6 (28)

Date: 2010-01-23

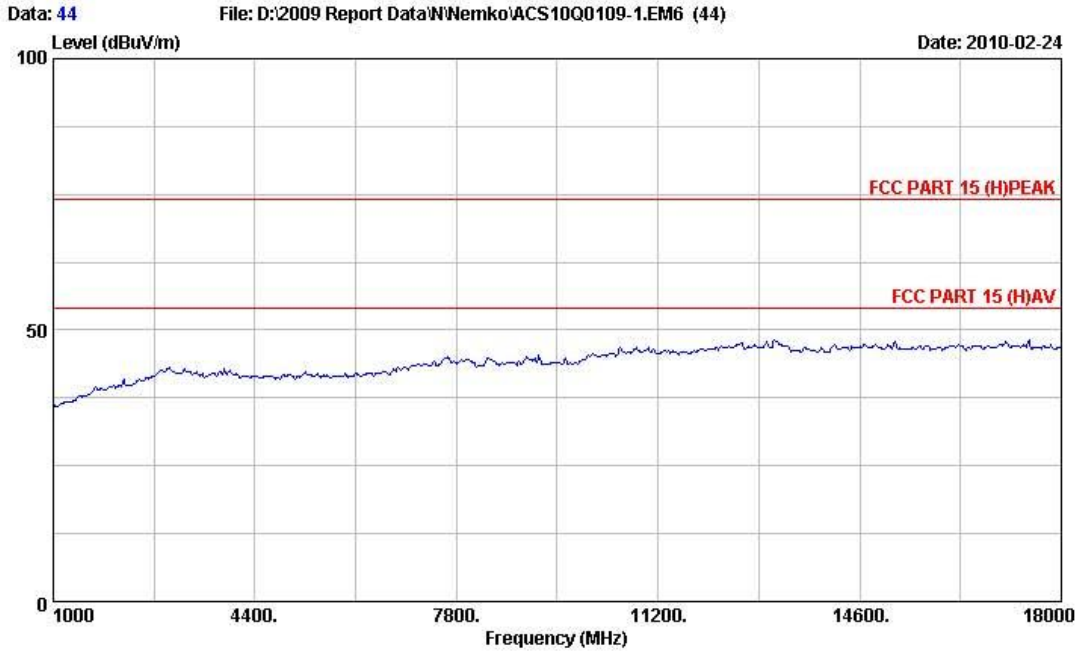


Site no. : Data No. : 24
 Dis. / Ant. : 3m 2009 3115 ANT Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 (H) PEAK
 Env. / Ins. : 24°C/56% Engineer : Frank
 EUT : LCD monitor M/N:M236XXX
 Power Rating : AC 120V/60Hz
 Test Mode : Running 'H' Pattern
 : VGA:1920*1080@60Hz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	1084.933	25.37	3.85	50.77	45.08	74.00	28.92	Peak
2	1085.756	25.37	3.85	45.91	40.22	54.00	13.78	Average
3	1246.652	25.30	4.11	49.18	43.90	74.00	30.10	Peak
4	1247.760	25.30	4.11	44.29	39.01	54.00	14.99	Average
5	1499.463	25.20	4.47	52.27	47.56	74.00	26.44	Peak
6	1500.962	25.20	4.47	44.77	40.06	54.00	13.94	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.

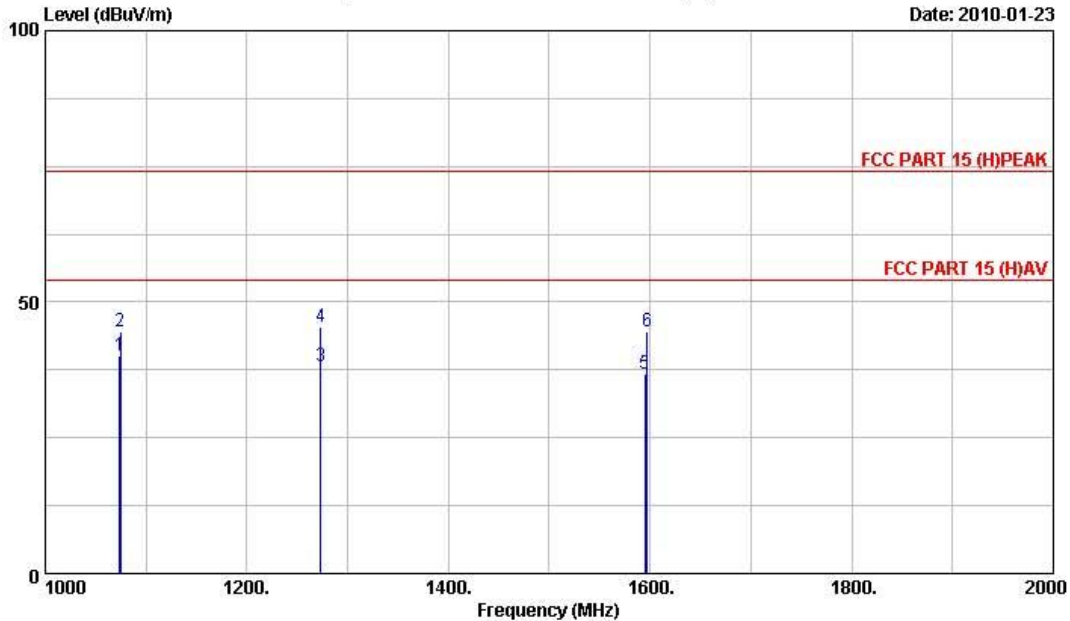
6.3.6 Diagram 010



Site no. : 10m Chamber Test Site Data No. : 44
 Dis. / Ant. : 3m 2009 CBL6111C 2768 Ant. pol. : VERTICAL
 Limit : FCC PART 15 (H)PEAK
 Env. / Ins. : 24°C/56% Engineer : Frank
 EUT : LCD monitor M/N:M236***
 Power Rating : AC 120V/60Hz
 Test Mode : Running 'H' Pattern
 VGA:1920*1080@60Hz

Data: 22 File: D:\2009 Report Data\Nemko\ACS10Q0109-1.EM6 (28)

Date: 2010-01-23

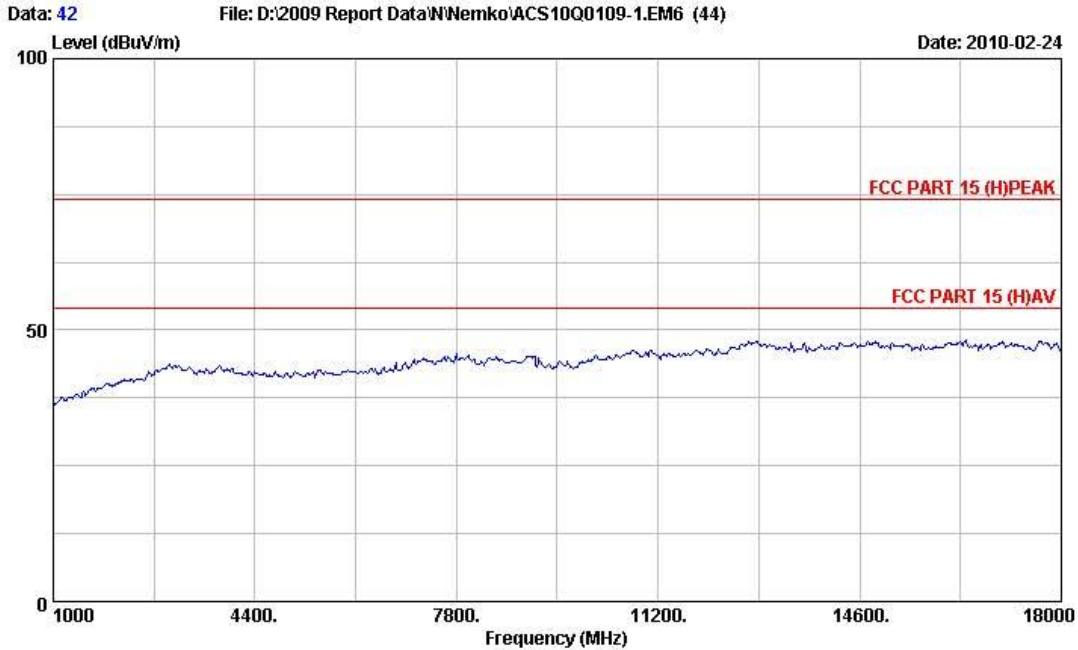


Site no. : Data No. : 22
 Dis. / Ant. : 3m 2009 3115 ANT Ant. pol. : VERTICAL
 Limit : FCC PART 15 (H) PEAK
 Env. / Ins. : 24°C/56% Engineer : Frank
 EUT : LCD monitor M/N:M236XXX
 Power Rating : AC 120V/60Hz
 Test Mode : Running 'H' Pattern
 : VGA:1920*1080@60Hz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Emission Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	1073.796	25.37	3.82	45.93	40.21	54.00	13.79	Average
2	1074.746	25.37	3.82	50.37	44.65	74.00	29.35	Peak
3	1273.162	25.29	4.13	43.41	38.17	54.00	15.83	Average
4	1273.165	25.29	4.13	50.51	45.27	74.00	28.73	Peak
5	1594.966	25.42	4.63	41.02	36.78	54.00	17.22	Average
6	1596.920	25.42	4.63	48.87	44.63	74.00	29.37	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.

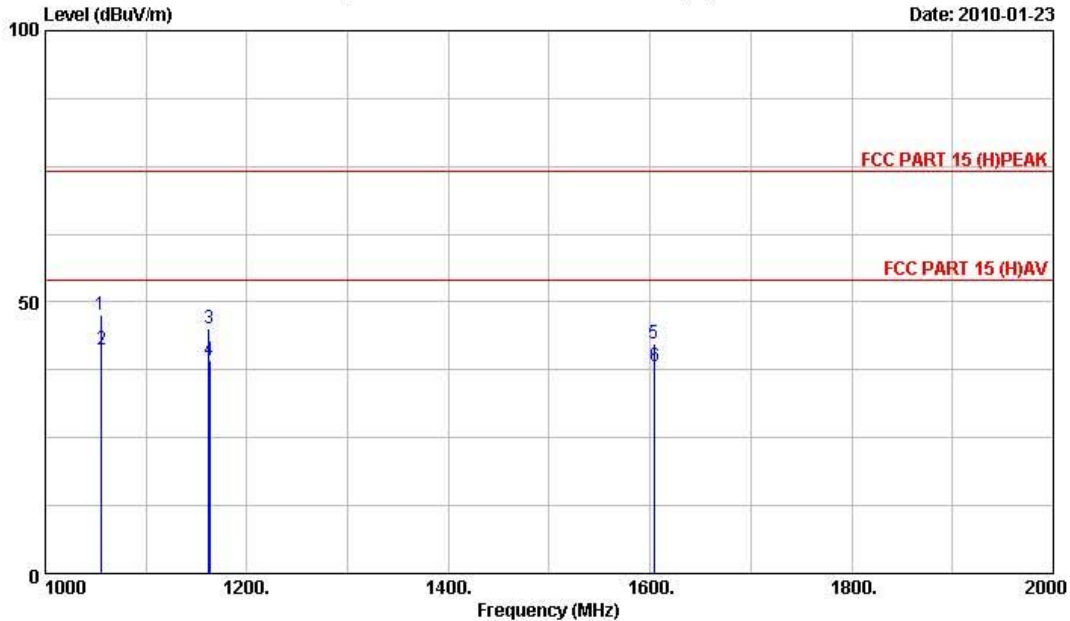
6.3.7 Diagram 011



Site no. : 10m Chamber Test Site Data No. : 42
Dis. / Ant. : 3m 2009 CBL6111C 2768 Ant. pol. : HORIZONTAL
Limit : FCC PART 15 (H)PEAK
Env. / Ins. : 24°C/56% Engineer : Frank
EUT : LCD monitor M/N:M236***
Power Rating : AC 120V/60Hz
Test Mode : Running 'H' Pattern And Playing Music
DVI:1920*1080@60Hz

Data: 26 File: D:\2009 Report Data\Nemko\ACS10Q0109-1.EM6 (28)

Date: 2010-01-23

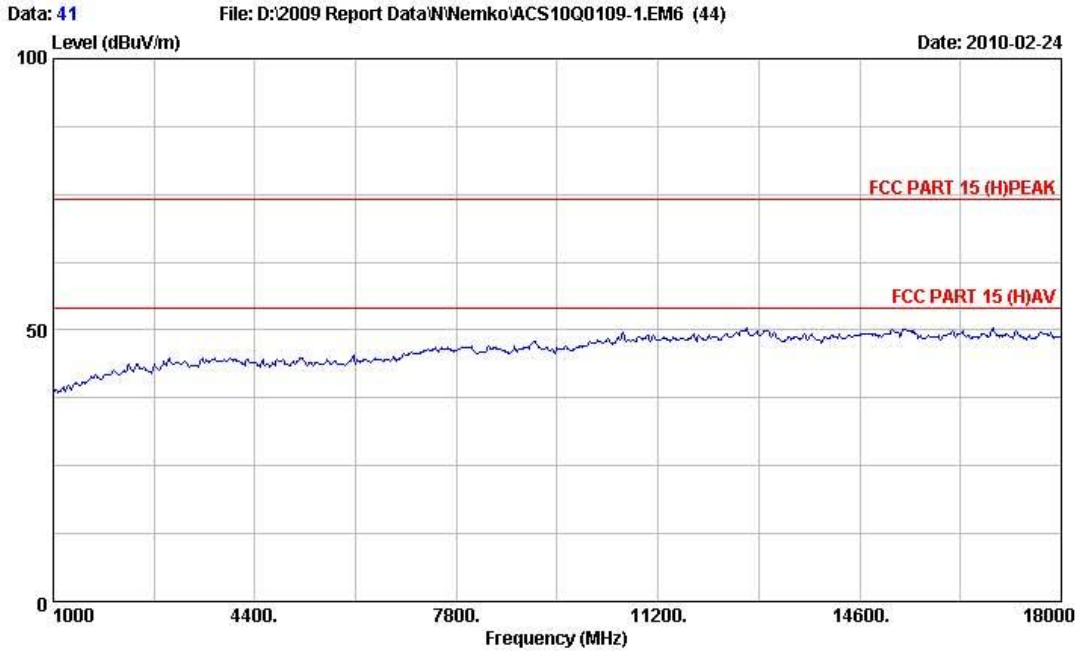


Site no. : Data No. : 26
 Dis. / Ant. : 3m 2009 3115 ANT Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 (H)PEAK
 Env. / Ins. : 24°C/56% Engineer : Frank
 EUT : LCD monitor M/N:M236XXX
 Power Rating : AC 120V/60Hz
 Test Mode : Running 'H' Pattern
 : DVI:1920*1080@60Hz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Emission Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Magin (dB)	Remark
1	1054.943	25.38	3.80	53.36	47.60	74.00	26.40	Peak
2	1055.952	25.38	3.80	47.00	41.24	54.00	12.76	Average
3	1161.962	25.33	3.98	50.69	45.18	74.00	28.82	Peak
4	1162.962	25.33	3.98	44.72	39.21	54.00	14.79	Average
5	1603.962	25.46	4.65	46.42	42.27	74.00	31.73	Peak
6	1604.530	25.46	4.65	42.25	38.10	54.00	15.90	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.

6.3.8 Diagram 012

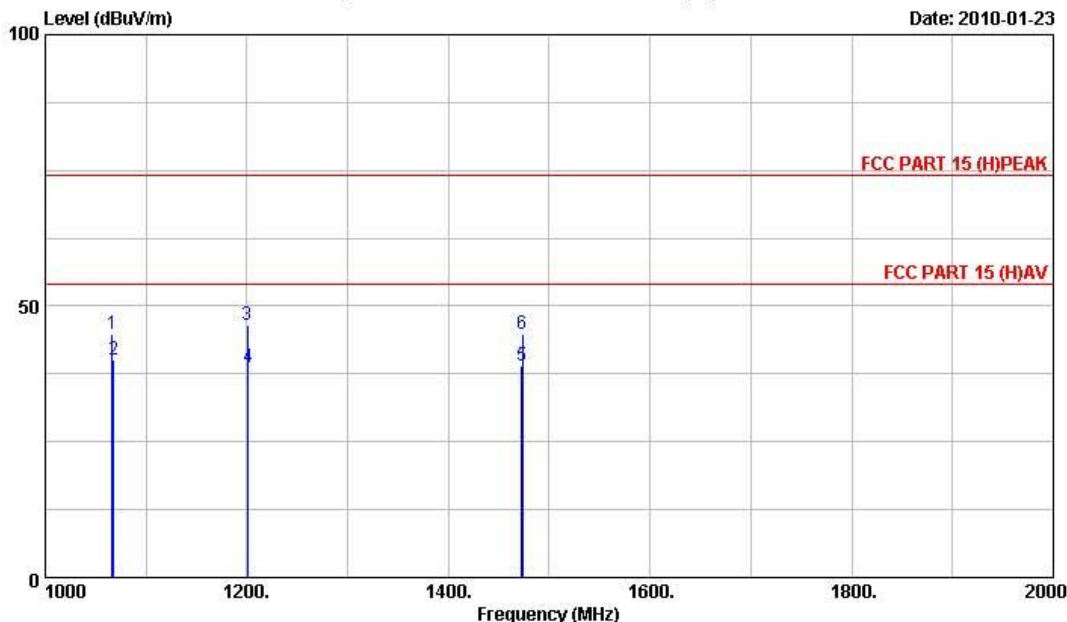


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Site no.       : 10m Chamber Test Site      Data No.   : 41
Dis. / Ant.   : 3m 2009 CBL6111C 2768     Ant. pol.  : VERTICAL
Limit         : FCC PART 15 (H) PEAK
Env. / Ins.   : 24*C/56%                  Engineer   : Frank
EUT          : LCD monitor                 M/N:M236***
Power Rating  : AC 120V/60Hz
Test Mode     : Running 'H' Pattern And Playing Music
               DVI:1920*1080@60Hz
    
```

Data: 28 File: D:\2009 Report Data\Nemko\ACS10Q0109-1.EM6 (28)

Date: 2010-01-23



Site no. : Data No. : 28
 Dis. / Ant. : 3m 2009 3115 ANT Ant. pol. : VERTICAL
 Limit : FCC PART 15 (H)PEAK
 Env. / Ins. : 24°C/56% Engineer : Frank
 EUT : LCD monitor M/N:M236XXX
 Power Rating : AC 120V/60Hz
 Test Mode : Running 'H' Pattern
 : DVI:1920*1080@60Hz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level dBuV/m)	Limits (dBuV/m)	Magin (dB)	Remark
1	1066.196	25.37	3.82	50.51	44.79	74.00	29.21	Peak
2	1067.923	25.37	3.82	45.81	40.09	54.00	13.91	Average
3	1200.462	25.32	4.03	51.85	46.45	74.00	27.55	Peak
4	1201.296	25.32	4.03	43.98	38.58	54.00	15.42	Average
5	1472.462	25.21	4.44	43.70	38.93	54.00	15.07	Average
6	1473.756	25.21	4.44	49.69	44.92	74.00	29.08	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



FCCID:KXYM236XXX

Reference No.: 142597

Appendix A Sample Label

Labelling Requirements

The sample label shown shall be permanently affixed at a conspicuous location on the device and be readily visible to the user at the time of purchase.

*** The following paragraph specified in the user manual.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Appendix B Photographs of EUT

B.1 View of EUT



B.2 View of EUT



B.3 View of EUT



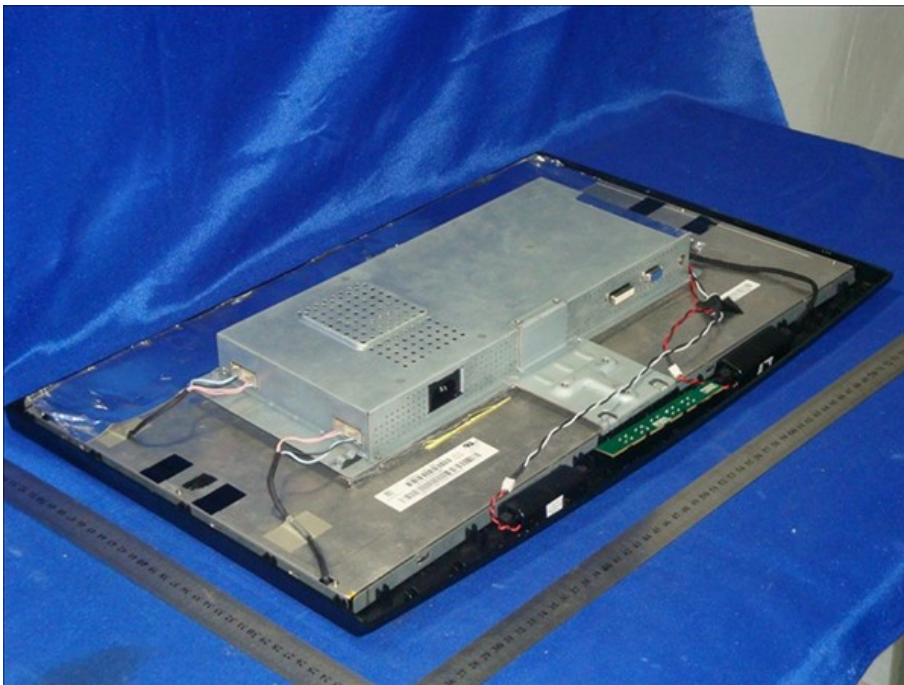
B.4 Internal view of EUT



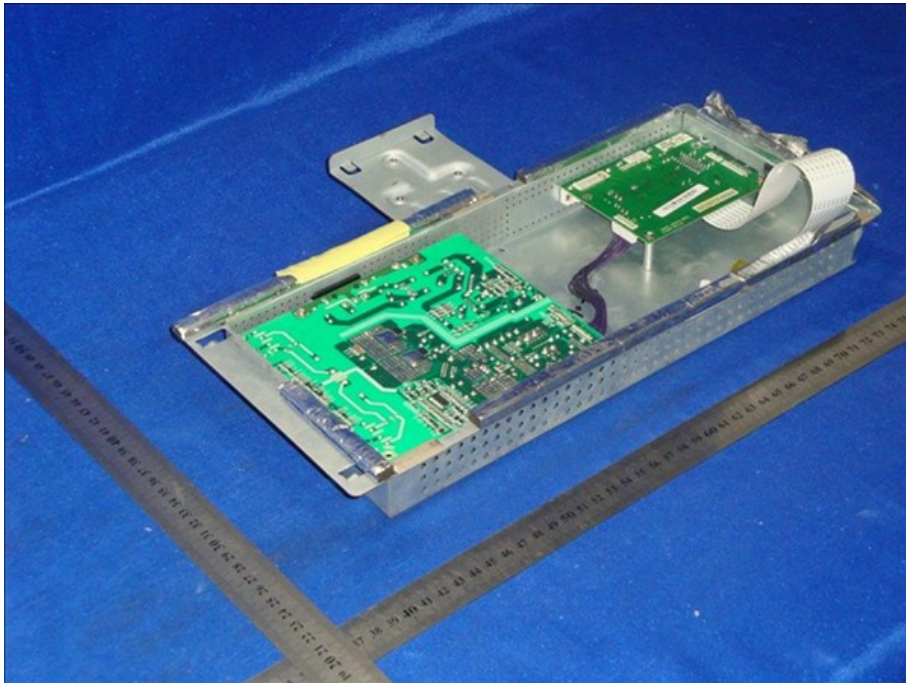
B.5 Internal view of EUT



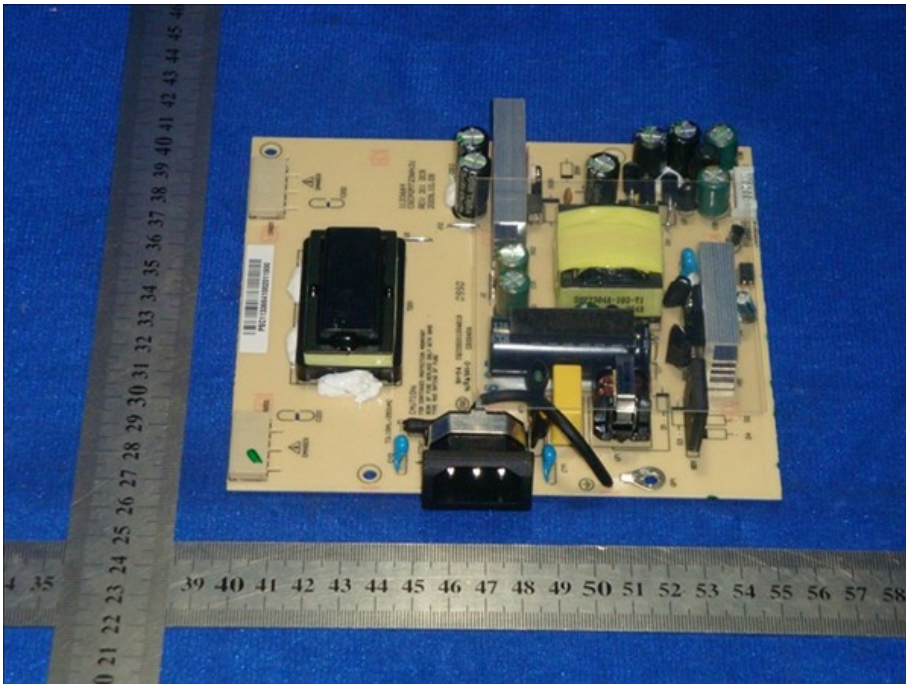
B.6 Internal view of EUT



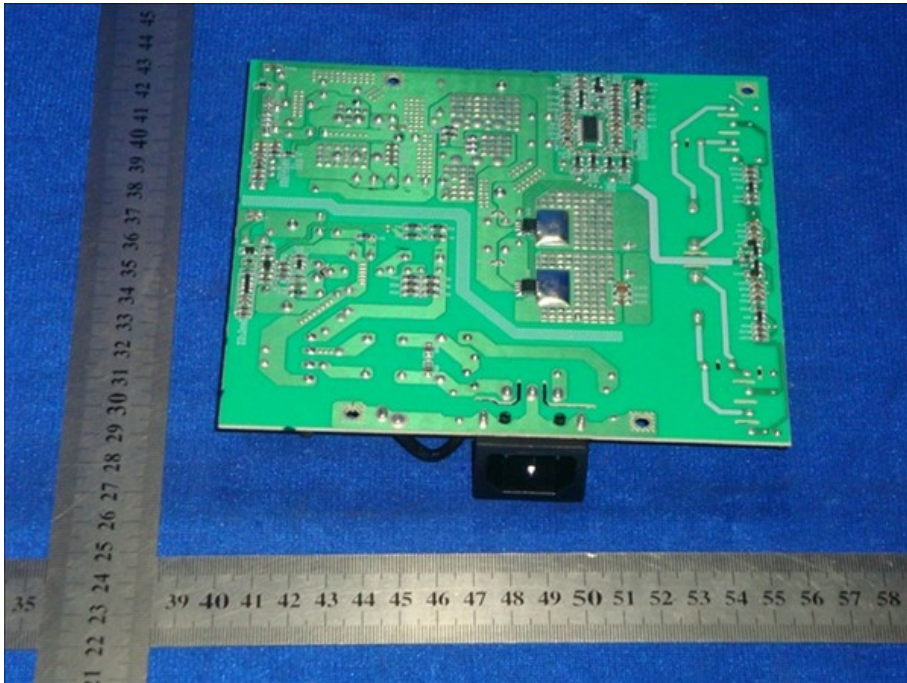
B.7 Internal view of EUT



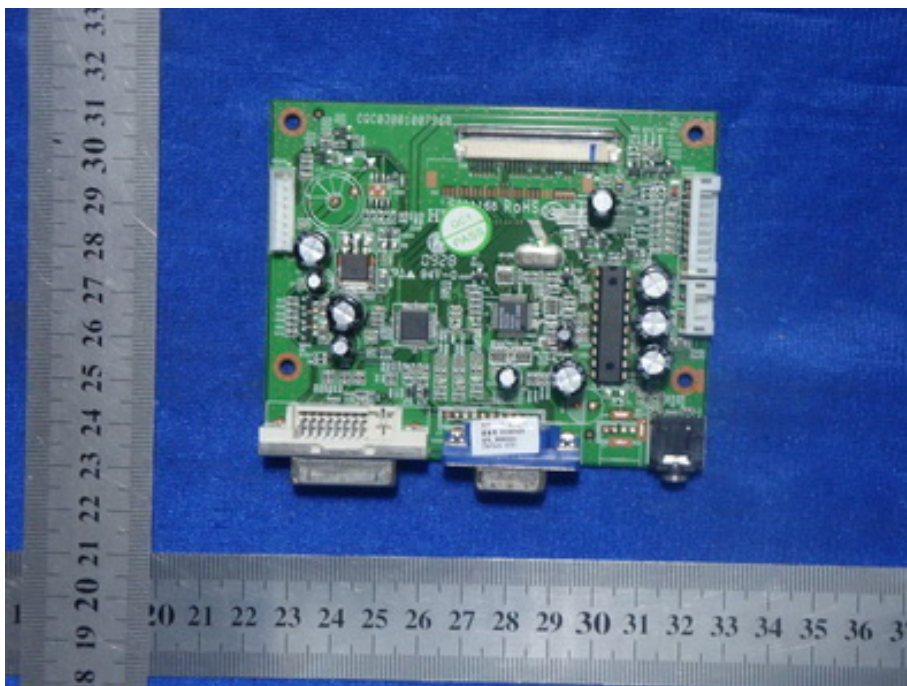
B.8 Internal view of EUT



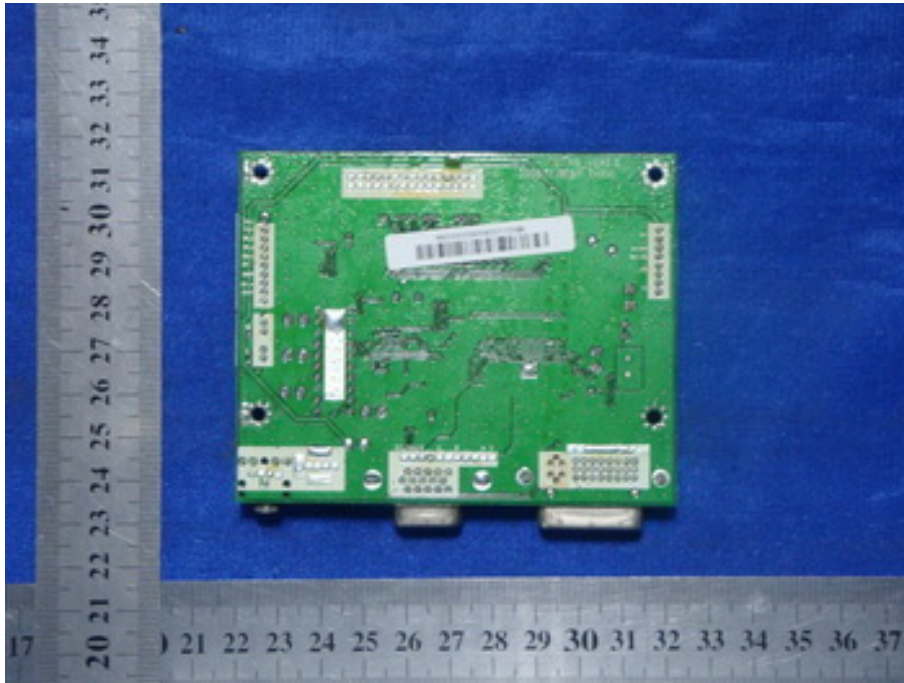
B.9 Internal view of EUT



B.10 Internal view of EUT



B.11 Internal view of EUT



C.1 Conducted Emission of EUT

Front

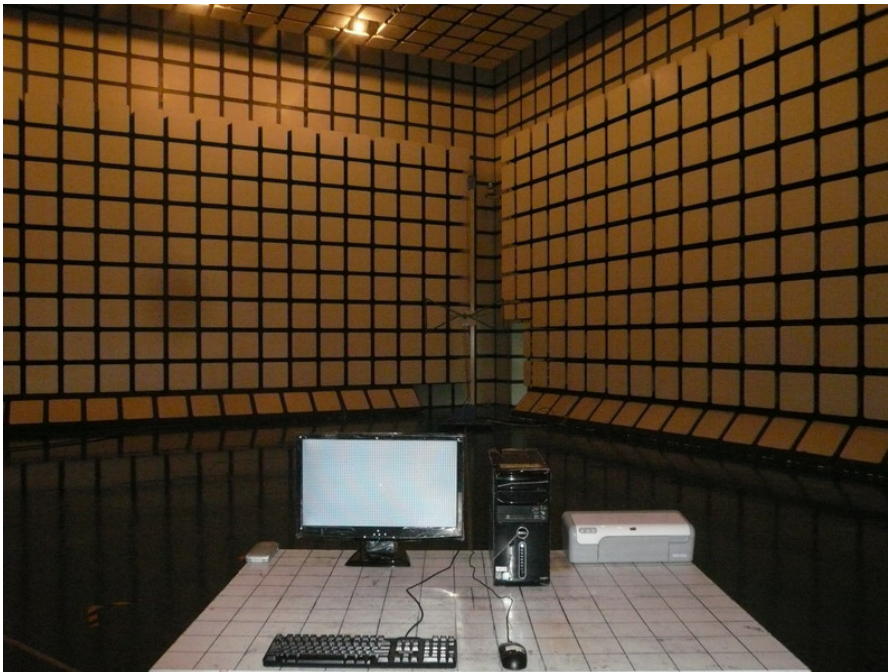


Side

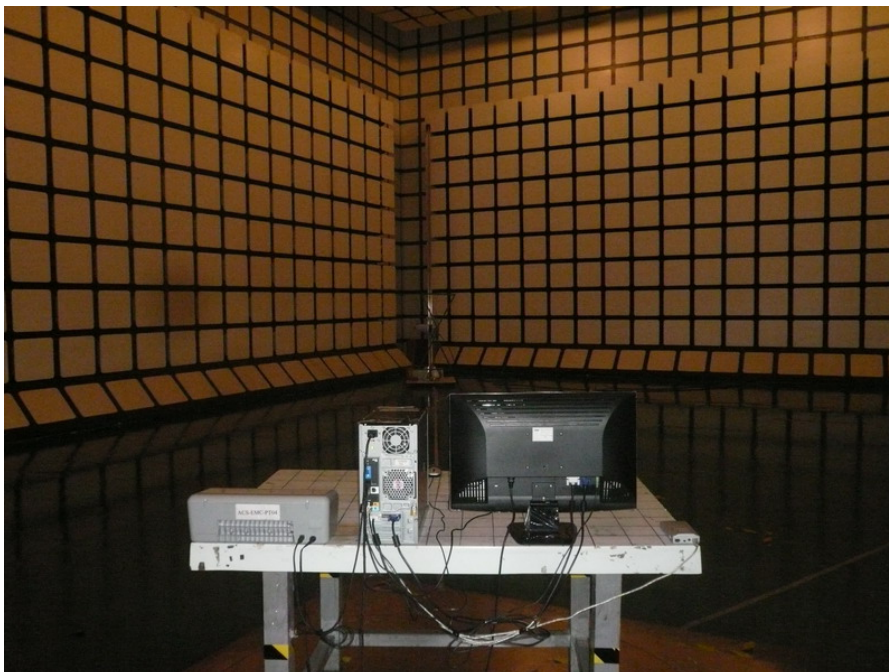


C.2 Radiated Emission of EUT below 1GHz

Front



Rear



C.3 Radiated Emission of EUT above 1GHz



END OF REPORT