



# PHILIPS

|                                                                                                                                                                                                                                                                                                                                                                                                          |                          |                                                                                         |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-----------------------------------------------------------------------------------------|
| <p>Philips Electronics Industries<br/>(Taiwan) Ltd - EMC Lab.<br/>5, Tze Chiang 1 Road,<br/>Chungli Industrial Park,<br/>Chungli, Taoyuan, Taiwan<br/>Tel.: +886-3-454-9862<br/>Fax.: +886-3-454-9887<br/>E-mail: ronnie.yang@philips.com</p>                                                                                                                                                            | <h2>FCC Test Report</h2> | <p>Report No.: TYR87-2038</p> <p>Date : 21 January, 2003</p> <p>Page : Page 1 of 36</p> |
| <p><b>Customer</b> : Philips Electronics Industries</p> <p><b>Name</b> : Mr. S.T. Huang – EE LCD</p> <p><b>Address</b> : 5, Tze Chiang 1 Road,</p> <p><b>Zip/City</b> : Chungli Industrial Park,</p> <p><b>Country</b> : Chungli, Taiwan, R.O.C.</p>                                                                                                                                                     |                          |                                                                                         |
| <p><b>Equipment Under Test</b> (including peripherals) :</p> <p><b>FCC ID.</b> : A3KM119</p> <p><b>Model Name</b> : 107E51</p> <p><b>Serial Number</b> : TY0212759</p> <p><b>Description</b> : 17" XGA color monitor, Max. resolution 1280x1024/60Hz</p>                                                                                                                                                 |                          |                                                                                         |
| <p><b>EMC Standards</b> : FCC Part 15 of October 01,1999 Class B<br/>ANSI C63.4-1992</p> <p><b>Result</b> : PASSED the limits/test-levels in the standards.</p> <p><b>Note</b> : The results in this report apply only to the sample(s) and mode(s) tested.<br/>It is the manufacturer's responsibility to assume the continued EMC compliance of production models.</p>                                 |                          |                                                                                         |
| <p><b>Date of receipt of EUT</b> : 03 Dec. 2002</p> <p><b>Date of performance of test</b> : 06 Jan., 2003 to 11 Jan., 2003</p>                                                                                                                                                                                                                                                                           |                          |                                                                                         |
| <div style="display: flex; justify-content: space-around;"><div style="text-align: center;"><br/>C.C. Wu - EMC Test Engineer</div><div style="text-align: center;"><br/>Ronnie Yang - EMC Manager<br/>NVLAP Signatory</div></div> |                          |                                                                                         |

Philips Electronics Industries (Taiwan) Ltd

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## 1. Summary of test results

| Test                      | Standard    | Result        | Note |
|---------------------------|-------------|---------------|------|
| Emission, ANSI C63.4-1992 |             |               |      |
| Conducted emission        | FCC Part 15 | <b>Passed</b> |      |
| Radiated emission         | FCC Part 15 | <b>Passed</b> |      |

Remark:

The test sample fully complies with the requirements set forth in : FCC Part 15 Class B.

## 2. General Information of EUT

The EUT, 17" color monitor :

Model No. : 107E51  
 FCC ID : A3KM119  
 Brand : PHILIPS

The color monitor automatically scans horizontal frequencies between 30KHz and 70KHz , and vertical frequencies between 50Hz and 160Hz. This color monitor displays sharp and brilliant images of text and graphics with a maximum resolution up to 1280x1024 pixels.

The monitor has 8 factory-preset modes as indicated in the following table:

|    | Resolution  | H. freq.  | V. freq.    | H. | V. |
|----|-------------|-----------|-------------|----|----|
| 1. | 720 x 400   | 31.5 KHz  | 70Hz (VGA)  | -  | +  |
| 2. | 640 x 480   | 31.47 KHz | 60Hz (VGA)  | -  | -  |
| 3. | 640 x 480   | 43.3 KHz  | 85Hz (VESA) | -  | -  |
| 4. | 800 x 600   | 46.9 KHz  | 75Hz (VESA) | +  | +  |
| 5. | 800 x 600   | 53.674KHz | 85Hz (VESA) | +  | +  |
| 6. | 1280 x 960  | 60 KHz    | 60 Hz       | +  | +  |
| 7. | 1024 x 768  | 68.7 KHz  | 85Hz (VESA) | +  | +  |
| 8. | 1280 x 1024 | 64.0 KHz  | 60Hz (VESA) | +  | +  |

### 3. Test Equipment

Test equipment used for line Conducted and Radiated emissions as following.  
All equipment were calibrated according to ANSI C63.4-1992 and ISO-9000 requirement unless otherwise specified.

Traceability to R.O.C. and international standards is assured by using calibrated all equipment.

- For Conducted Emissions Test:

| Test Equipment | Model No.    | Serial No. | Last Calibrate | Next Calibrate |
|----------------|--------------|------------|----------------|----------------|
| Spectrum       | HP8568B      | 2928A04640 | 06/27/2002     | 06/27/2003     |
| EMI Receiver   | R & S ESVS30 | 841977/006 | 06/13/2002     | 06/13/2003     |
| LISN           | EMCO 3825/2  | 9311-2153  | 06/13/2002     | 06/13/2003     |
| LISN           | EMCO 3825/2  | 9311-2154  | 06/13/2002     | 06/13/2003     |
| RF Cable       | 8-meter      | N/A        | 05/29-2002     | 05/29/2003     |

- For Radiated Emissions Test:

| Test Equipment       | Model No.       | Serial No. | Last Calibrate | Next Calibrate |
|----------------------|-----------------|------------|----------------|----------------|
| Spectrum             | HP8568B         | 2928A04640 | 06/27/2002     | 06/27/2003     |
| RF Preselector       | HP85685A        | 2620A00338 | 06/27/2002     | 06/27/2003     |
| QP Adapter           | HP85650A        | 2811A01324 | 06/27/2002     | 06/27/2003     |
| EMI Receiver         | R & S ESVS30    | 841977/006 | 06/13/2002     | 06/13/2003     |
| Biconical Antenna    | EMCO 3110B      | 3222       | 06/04/2002     | 06/04/2003     |
| Biconical Antenna    | EMCO 3110B      | 3224       | 06/04/2002     | 06/04/2003     |
| Log-Periodic Antenna | EMCO 3146A      | 1424       | 06/04/2002     | 06/04/2003     |
| Log-Periodic Antenna | EMCO 3146A      | 1425       | 06/04/2002     | 06/04/2003     |
| Turn Table           | EMCO 1060       | 1068       | 05/27/2002     | 05/27/2003     |
| Antenna Tower        | EMCO 1050       | 1113       | 05/27/2002     | 05/27/2003     |
| RF Cable             | M17/75-RG214-NE | N/A        | 05/27/2002     | 05/27/2003     |

#### 4. Test Configuration of EUT and Peripherals

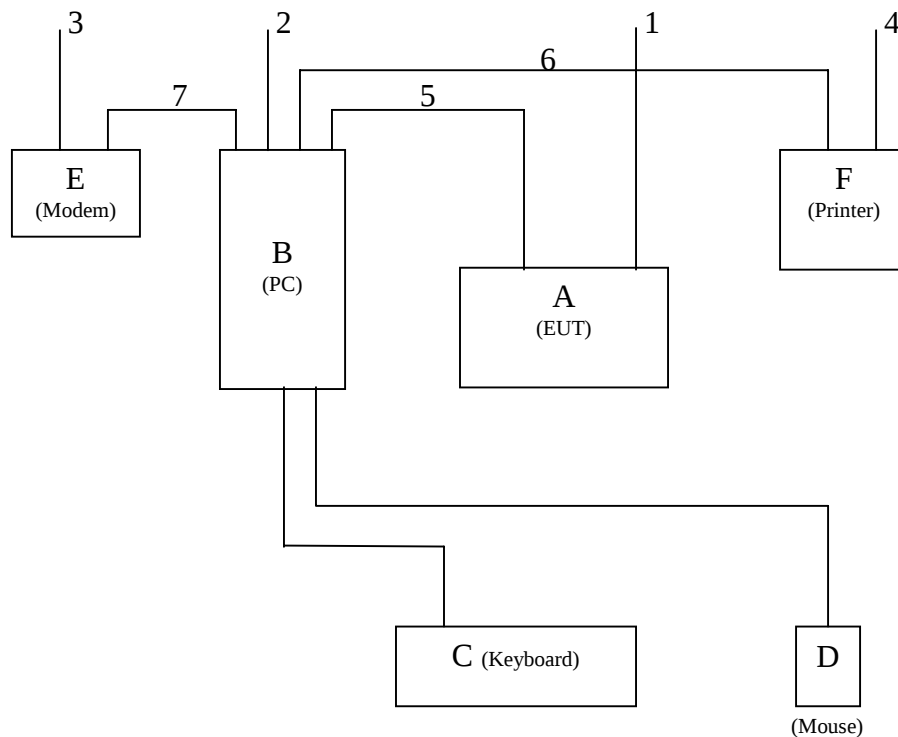
The system was configured for testing in a typical fashion ( as a customer would normally use it ) according to ANSI C63.4-1992, please see the photographs for detail. For system measurement, the EUT “107E51” were connected to:

|   | Description | Brand/ Model No. | Serial No.     | FCC ID      | Remark |
|---|-------------|------------------|----------------|-------------|--------|
| A | Monitor     | Philips 107E51   | TY0212759      | A3KM119     | EUT    |
| B | PC          | Compaq ENC P866  | 5K15FXHZ2013   | FCC Logo    |        |
| C | Keyboard    | Compaq KB-9963   | B26950GGALP13Q | FCC Logo    |        |
| D | Mouse       | Compaq M-S48a    |                | JNZ201213   |        |
| E | Modem       | Hayes 231AA      | A22231081770   | BFJ9D9308US |        |
| F | Printer     | HP 2225C         | 2934S55406     | DSI6XU2225  |        |

#### Connected Cables

| No. | Description   | Manufacturer | Length     | Shielded | Remark      |
|-----|---------------|--------------|------------|----------|-------------|
| 1   | Power Cord    | Long Shine   | 1.8 meters | No       | for EUT     |
| 2   | Power Cord    | Acer         | 1.8 meters | No       | for PC      |
| 3   | Power Cord    | Aceex        | 2.0 meters | No       | for Modem   |
| 4   | Power Cord    | HP           | 1.8 meters | No       | for Printer |
| 5   | Video Cable   | Long Shine   | 1.5 meters | Yes      |             |
| 6   | Printer Cable | HP           | 1.8 meters | Yes      |             |
| 7   | Modem Cable   | Aceex        | 1.5 meters | Yes      |             |

#### System Block Diagram of Test Configuration



## 5. Test Procedure

Test was performed by:

PHILIPS ELECTRONICS INDUSTRIES (TAIWAN) LTD.  
CONSUMER ELECTRONICS DIVISION  
- EMC LAB

5, Tze Chiang 1 Road, Chungli Industrial Park  
P.O. Box 123, Chungli, Taoyuan, Taiwan  
Tel : 886-3-4549862 Fax : 886-3-4549887  
Internet: [ronnie.yang@philips.com](mailto:ronnie.yang@philips.com)

The test was performed in accordance with ANSI C63.4-1992, "AMERICAN NATIONAL STANDARD FOR MEASUREMENT OF RADIO-NOISE EMISSION FROM LOW-VOLTAGE ELECTRICAL AND ELECTRONIC EQUIPMENT IN THE RANGE OF 9KHz TO 40GHz"

Both conducted and radiated testing were performed according to the procedure in ANSI C63.4-1992. Conducted testing was performed in screen room and radiated testing was performed in open site at an antenna to EUT distance of 3-meter on horizontal and vertical polarization.

First, pre-scan all modes in screen room then select **2 higher modes** (worst case) were tested and reported.

The line conductive interference was tested with 110VAC and 220VAC receptively.

Unshielded power cord was used during test.  
**D-sub I/F cable with two ferrite cores was used.**

Tested and reported modes as following:

| Test Item | File No.           | Resolution | Frequencies  | I/F Cable |
|-----------|--------------------|------------|--------------|-----------|
| Conducted | <b>EMI03-001-C</b> | 1024x768   | 68.7KHz/85Hz | D-sub     |
|           |                    | 1280x1024  | 64KHz/60Hz   | D-sub     |
| Radiated  | <b>EMI03-001-R</b> | 1024x768   | 68.7KHz/85Hz | D-sub     |
|           |                    | 1280x1024  | 64KHz/60Hz   | D-sub     |

Set up the EUT and all peripherals as chapter 6 of ANSI C63.4-1992 for AC power line conducted emissions testing and radiated emissions testing.

Turn on the power of EUT and all peripherals, select an appropriate displaying mode using the "setup" software. Then run an EMI test program "HTEST.EMI" as a basic software to execute the EUT operating under test. A pattern of scrolling H's should be displayed on the monitor.

Step 1 : Run the "HTEST.EMI" on personal computer then sends "H" character to monitor continuously until full screen.

Step 2 : Personal computer sends a complete line of continuously repeating "H" to HP 2225C printer.

Step 3 : Personal computer sends a file of "H" pattern to floppy disk then read a file of "H" pattern from floppy disk.

Step 4 : Personal computer sends a file of "H" pattern to hard disk then read a file of "H" pattern from hard disk.

Step 5 : Personal computer sends a file of "H" pattern to USRobotics 268 modem.

Step 6 : Return to step 1

All data in this report are "PEAK" value within 15dB margin unless otherwise noted.

## 6. Measurement Uncertainty

The system uncertainty listed below are based on the instrument absolute specifications, and do not include uncertainties of the equipment under test.

### Uncertainty for Radiated Emissions Test at 3 meters Test Site.

| Source of Measurement<br>Uncertainty | Uncertainty/dB |
|--------------------------------------|----------------|
| Antenna factor calibration           | +/-2.0         |
| Cable loss calibration               | +/-0.5         |
| Receiver specification               | +/-1.0         |
| Antenna position ver.                | +/-2.0         |
| Measurement distance ver.            | +/-0.5         |
| Site imperfections                   | +/-2.0         |
| Mismatch                             | +/-1.1         |
| System repeatability                 | +/-0.5         |

### Uncertainty for Conducted Emissions Test at 3 meters Test Site.

| Source of Measurement<br>Uncertainty | Uncertainty/dB |
|--------------------------------------|----------------|
| LISN specification                   | +/-2.0         |
| Cable loss calibration               | +/-0.5         |
| Receiver specification               | +/-1.0         |
| Pulse limiter Spec.                  | +/-0.3         |
| Measurement distance ver.            | +/-0.5         |
| Site imperfections                   | +/-2.0         |
| System repeatability                 | +/-0.5         |

# Conducted Emissions

## FCC Part 15

---

Operating conditions EUT:

EUT powered on with scrolling “H” pattern.

---

Limits:

| Frequency range (MHz) | Class A (dBuv) QP | Class B (dBuv) QP |
|-----------------------|-------------------|-------------------|
| 0.45 – 1.705          | 60.0              | 48.0              |
| 1.705 – 30.0          | 69.5              | 48.0              |

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Test Result :

### Passed FCC Class B Limits

Option:

The following option may be employed if the conducted emissions exceed the limits, as appropriate, when measured using instrumentation employing a quasi-peak detector function: If the level of the emission measured using the quasi-peak instrumentation is 6dB, or, more higher than the level of the same emission measured with instrumentation having an average detector and a 9KHz minimum bandwidth, that emission is considered broadband and the level obtained with the quasi-peak detector may be reduced by 13dB for comparison to the limits.

Remark:

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|               |                                  |
|---------------|----------------------------------|
| Date of Test  | : 06 Jan., 2003 to 11 Jan., 2003 |
| Test Engineer | : C.C.Wu                         |

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For detail measurement results see next pages.

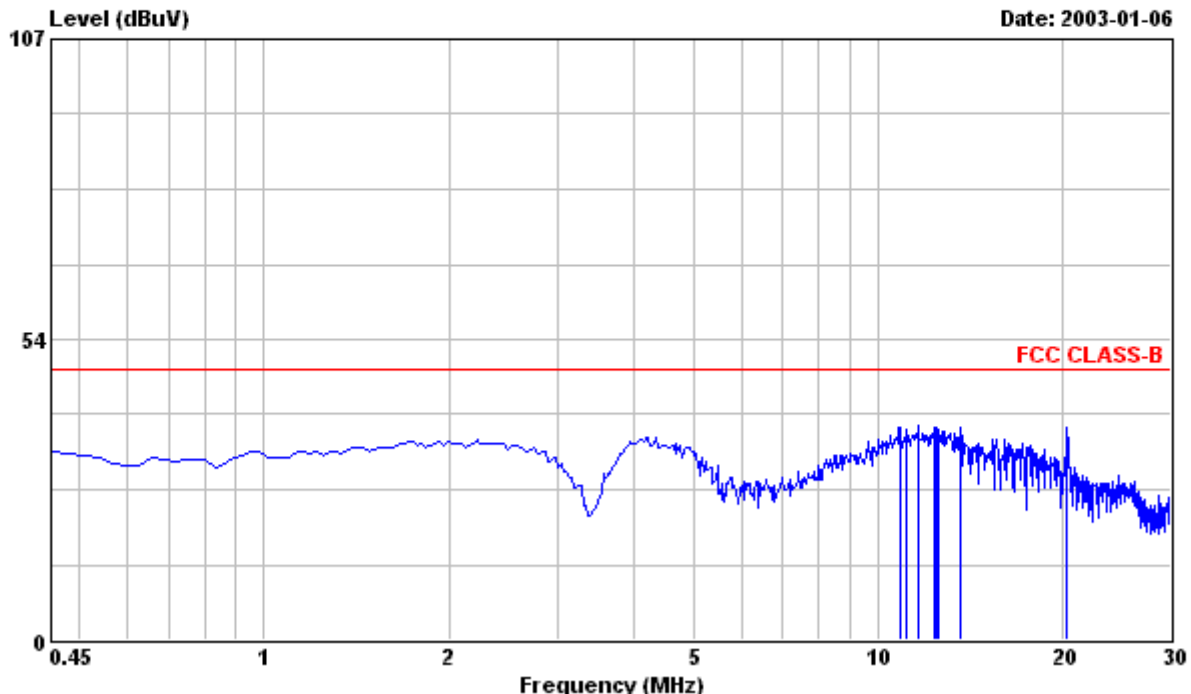


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Data#: 1

File#: C:\Program Files\em3\EMI03-001-C(Philips 107E51).emi



Site : PHILIPS EMI Shielding Room  
Condition : FCC CLASS-B FCC\_LCI\_L1 LINE  
EUT : PHILIPS 107E51 Serial No:TY0212759  
Power : 120VAC  
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.  
: 2. 3RD MODEL LG PHILIPS CRT,RUN IBM  
: V1.8 FONT 14 "H" PATTERN.  
: 3. 1024x768/85Hz 68.7KHz MODE WITH  
: COMPAQ ENC/P866/20E/8/128A TAI PC,  
: ATI RADEON VE DDR VIDEO CAR WAS  
: TESTED.

| Frequency | Peak Reading | QP Reading | Limit | Factor | Emission Level | Over Limit | Remark |
|-----------|--------------|------------|-------|--------|----------------|------------|--------|
| LINE      |              |            |       |        |                |            |        |
| 10.852    | 37.10        | ---        | 48.00 | 0.62   | 37.72          | -10.28     | Peak   |
| 11.147    | 36.70        | ---        | 48.00 | 0.63   | 37.33          | -10.67     | Peak   |
| 11.620    | 37.50        | ---        | 48.00 | 0.64   | 38.14          | -9.86      | Peak   |
| 12.388    | 37.10        | ---        | 48.00 | 0.65   | 37.75          | -10.25     | Peak   |
| 12.447    | 37.10        | ---        | 48.00 | 0.65   | 37.75          | -10.25     | Peak   |
| 12.506    | 36.70        | ---        | 48.00 | 0.66   | 37.36          | -10.64     | Peak   |
| 13.629    | 37.00        | ---        | 48.00 | 0.68   | 37.68          | -10.32     | Peak   |
| 20.367    | 36.90        | ---        | 48.00 | 0.81   | 37.71          | -10.29     | Peak   |

Remarks: 1. All Readings are Peak & Quasi-Peak Values.  
2. Emission Level (dBuV) = Factor (dB) + Meter Reading (dBuV)  
3. Factor (dB/m) = LISN Loss (dB) + Cable Loss (dB)

Tested by : C.C.Wu

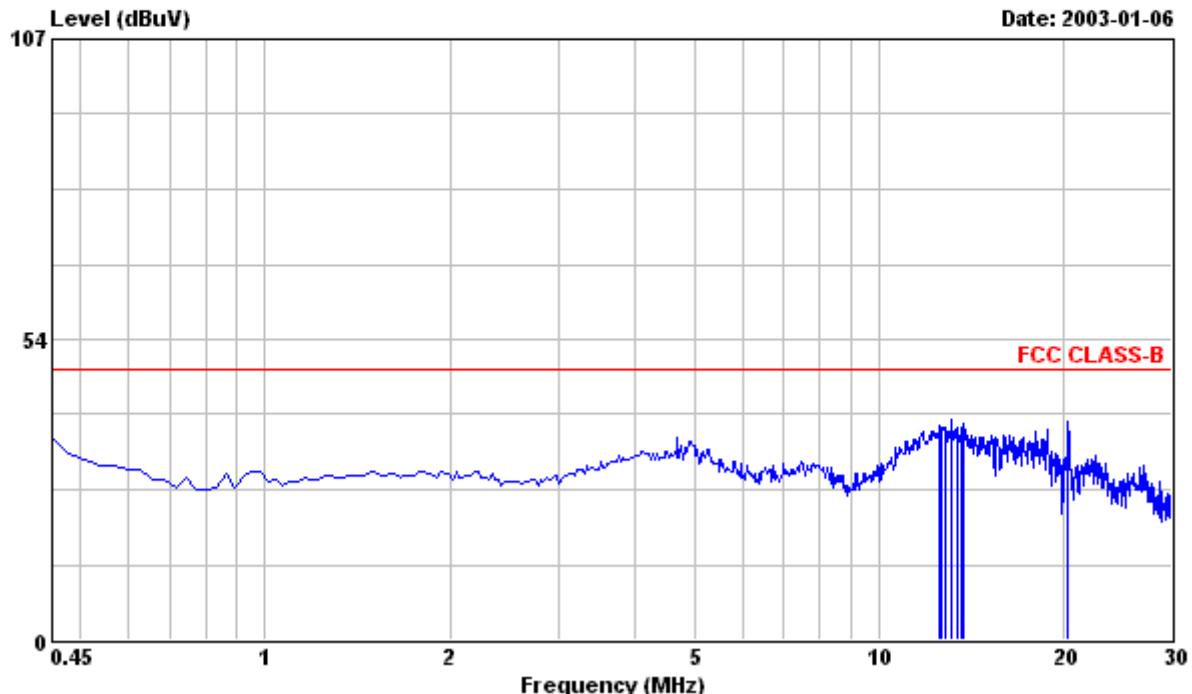


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Data#: 2

File#: C:\Program Files\em3\EMI03-001-C(Philips 107E51).emi



Site : PHILIPS EMI Shielding Room  
Condition : FCC CLASS-B FCC\_LCI\_L2 NEUTRAL  
EUT : PHILIPS 107E51 Serial No:TY0212759  
Power : 120VAC  
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.  
: 2. 3RD MODEL LG PHILIPS CRT,RUN IBM  
: V1.8 FONT 14 "H" PATTERN.  
: 3. 1024x768/85Hz 68.7KHz MODE WITH  
: COMPAQ ENC/P866/2OE/8/128A TAI PC,  
: ATI RADEON VE DDR VIDEO CAR WAS  
: TESTED.

| Frequency | Peak Reading | QP Reading | Limit | Factor | Emission Level | Over Limit | Remark |
|-----------|--------------|------------|-------|--------|----------------|------------|--------|
| NEUTRAL   |              |            |       |        |                |            |        |
| 12.566    | 37.40        | ---        | 48.00 | 0.66   | 38.06          | -9.94      | Peak   |
| 12.684    | 37.00        | ---        | 48.00 | 0.66   | 37.66          | -10.34     | Peak   |
| 12.802    | 37.00        | ---        | 48.00 | 0.66   | 37.66          | -10.34     | Peak   |
| 13.157    | 38.70        | ---        | 48.00 | 0.67   | 39.37          | -8.63      | Peak   |
| 13.393    | 37.30        | ---        | 48.00 | 0.67   | 37.97          | -10.03     | Peak   |
| 13.629    | 37.10        | ---        | 48.00 | 0.68   | 37.78          | -10.22     | Peak   |
| 13.748    | 37.80        | ---        | 48.00 | 0.68   | 38.48          | -9.52      | Peak   |
| 20.367    | 38.00        | ---        | 48.00 | 0.91   | 38.91          | -9.09      | Peak   |

Remarks: 1. All Readings are Peak & Quasi-Peak Values.  
2. Emission Level (dBuV) = Factor (dB) + Meter Reading (dBuV)  
3. Factor (dB/m) = LISN Loss (dB) + Cable Loss (dB)

Tested by : C.C.Wu

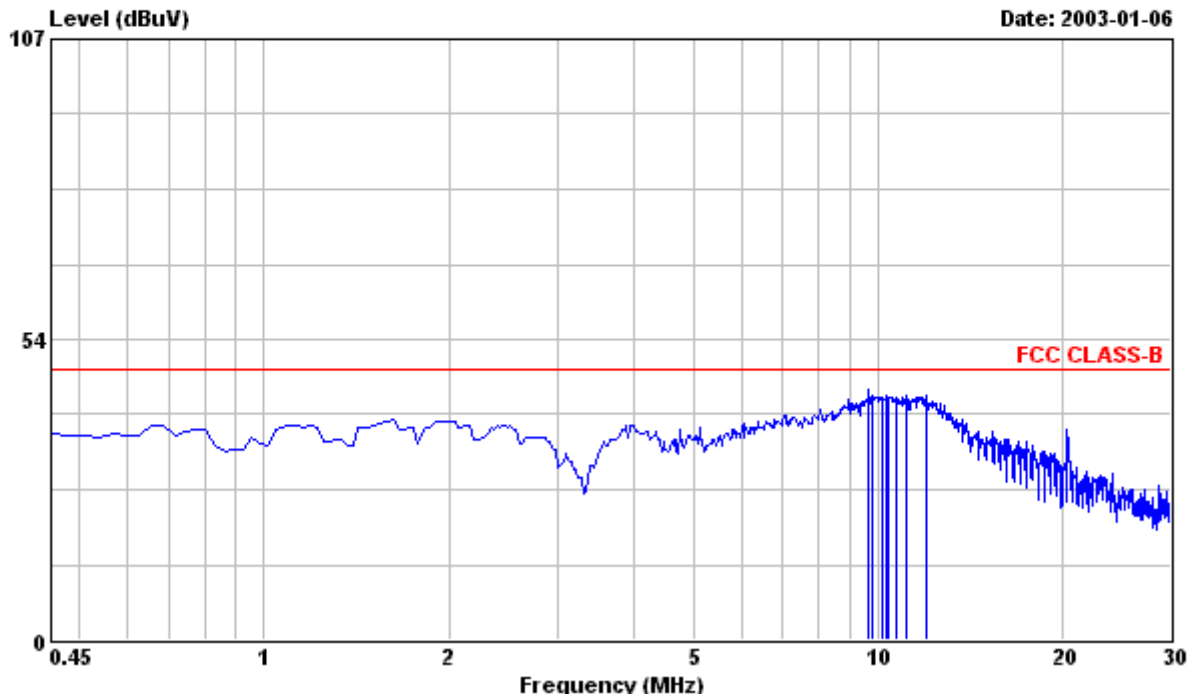


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Data#: 3

File#: C:\Program Files\em3\EMI03-001-C(Philips 107E51).emi



Site : PHILIPS EMI Shielding Room  
Condition : FCC CLASS-B FCC\_LCI\_L1 LINE  
EUT : PHILIPS 107E51 Serial No:TY0212759  
Power : 220VAC  
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.  
: 2. 3RD MODEL LG PHILIPS CRT,RUN IBM  
: V1.8 FONT 14 "H" PATTERN.  
: 3. 1024x768/85Hz 68.7KHz MODE WITH  
: COMPAQ ENC/P866/20E/8/128A TAI PC,  
: ATI RADEON VE DDR VIDEO CAR WAS  
: TESTED.

| Frequency | Peak Reading | QP Reading | Limit | Factor | Emission Level | Over Limit | Remark |
|-----------|--------------|------------|-------|--------|----------------|------------|--------|
| LINE      |              |            |       |        |                |            |        |
| 9.670     | 43.90        | ---        | 48.00 | 0.57   | 44.47          | -3.53      | Peak   |
| 9.788     | 42.90        | ---        | 48.00 | 0.58   | 43.48          | -4.52      | Peak   |
| 10.142    | 42.70        | ---        | 48.00 | 0.60   | 43.30          | -4.70      | Peak   |
| 10.320    | 43.00        | ---        | 48.00 | 0.61   | 43.61          | -4.39      | Peak   |
| 10.438    | 42.70        | ---        | 48.00 | 0.61   | 43.31          | -4.69      | Peak   |
| 10.733    | 42.70        | ---        | 48.00 | 0.62   | 43.32          | -4.68      | Peak   |
| 11.147    | 43.00        | ---        | 48.00 | 0.63   | 43.63          | -4.37      | Peak   |
| 11.975    | 42.80        | ---        | 48.00 | 0.64   | 43.44          | -4.56      | Peak   |

Remarks: 1. All Readings are Peak & Quasi-Peak Values.  
2. Emission Level (dBuV) = Factor (dB) + Meter Reading (dBuV)  
3. Factor (dB/m) = LISN Loss (dB) + Cable Loss (dB)

Tested by : C.C.Wu

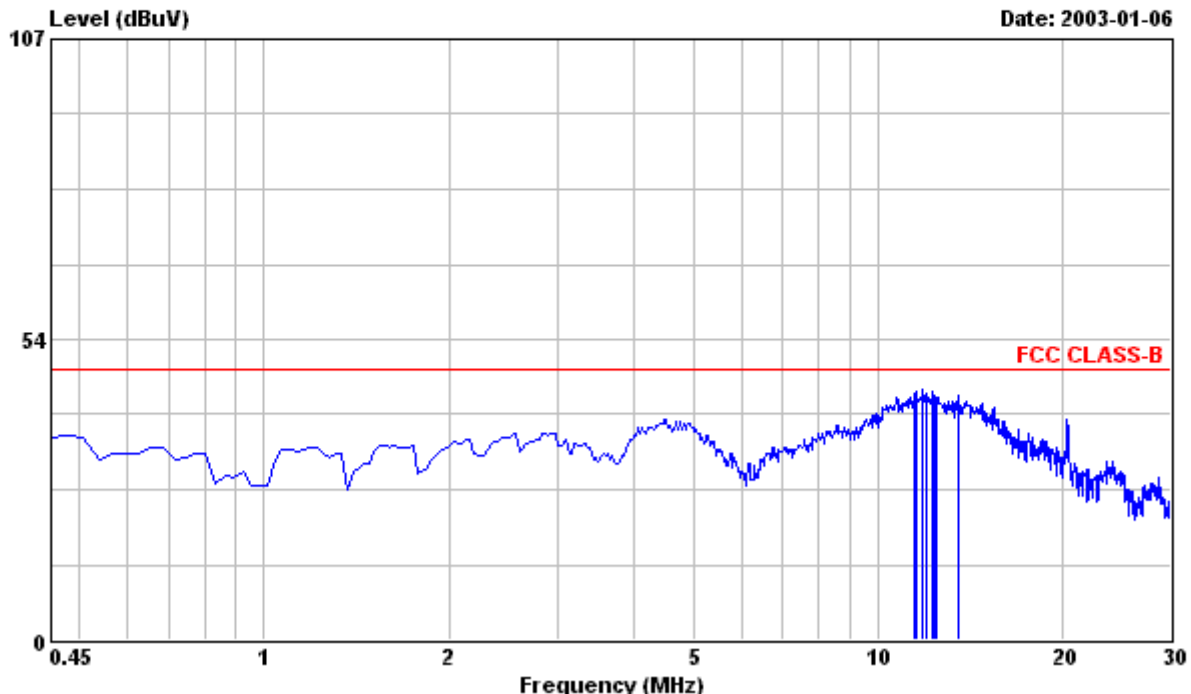


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Data#: 4

File#: C:\Program Files\em3\EMI03-001-C(Philips 107E51).emi



Site : PHILIPS EMI Shielding Room  
Condition : FCC CLASS-B FCC\_LCI\_L2 NEUTRAL  
EUT : PHILIPS 107E51 Serial No:TY0212759  
Power : 220VAC  
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.  
: 2. 3RD MODEL LG PHILIPS CRT,RUN IBM  
: V1.8 FONT 14 "H" PATTERN.  
: 3. 1024x768/85Hz 68.7KHz MODE WITH  
: COMPAQ ENC/P866/20E/8/128A TAI PC,  
: ATI RADEON VE DDR VIDEO CAR WAS  
: TESTED.

| Frequency | Peak Reading | QP Reading | Limit | Factor | Emission Level | Over Limit | Remark |
|-----------|--------------|------------|-------|--------|----------------|------------|--------|
| NEUTRAL   |              |            |       |        |                |            |        |
| 11.443    | 43.40        | ---        | 48.00 | 0.63   | 44.03          | -3.97      | Peak   |
| 11.561    | 43.50        | ---        | 48.00 | 0.64   | 44.14          | -3.86      | Peak   |
| 11.856    | 44.00        | ---        | 48.00 | 0.64   | 44.64          | -3.36      | Peak   |
| 11.975    | 43.10        | ---        | 48.00 | 0.64   | 43.74          | -4.26      | Peak   |
| 12.270    | 43.50        | ---        | 48.00 | 0.65   | 44.15          | -3.85      | Peak   |
| 12.329    | 42.80        | ---        | 48.00 | 0.65   | 43.45          | -4.55      | Peak   |
| 12.447    | 42.60        | ---        | 48.00 | 0.65   | 43.25          | -4.75      | Peak   |
| 13.570    | 42.90        | ---        | 48.00 | 0.68   | 43.58          | -4.42      | Peak   |

Remarks: 1. All Readings are Peak & Quasi-Peak Values.  
2. Emission Level (dBuV) = Factor (dB) + Meter Reading (dBuV)  
3. Factor (dB/m) = LISN Loss (dB) + Cable Loss (dB)

Tested by : C.C.Wu

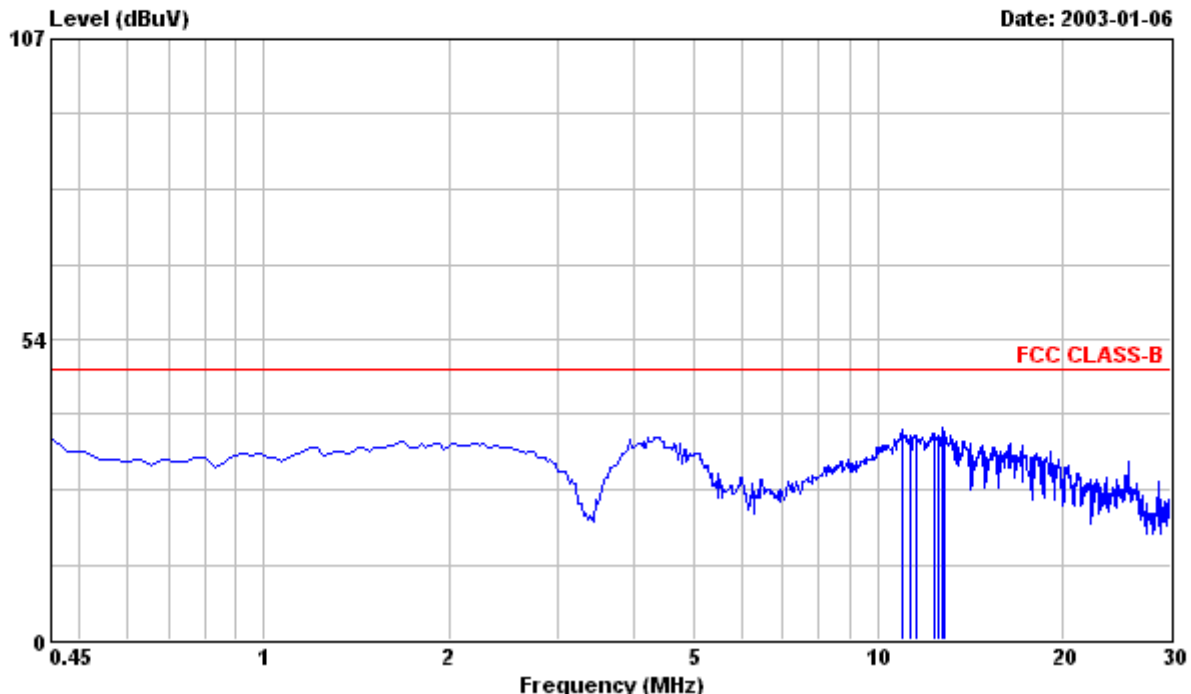


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Data#: 5

File#: C:\Program Files\em3\EMI03-001-C(Philips 107E51).emi



Site : PHILIPS EMI Shielding Room  
Condition : FCC CLASS-B FCC\_LCI\_L1 LINE  
EUT : PHILIPS 107E51 Serial No:TY0212759  
Power : 120VAC  
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.  
: 2. 3RD MODEL LG PHILIPS CRT,RUN IBM  
: V1.8 FONT 16 "H" PATTERN.  
: 3. 1280x1024/60Hz 64KHz MODE WITH  
: COMPAQ ENC/P866/20E/8/128A TAI PC,  
: ATI RADEON VE DDR VIDEO CAR WAS  
: TESTED.

| Frequency | Peak Reading | QP Reading | Limit | Factor | Emission Level | Over Limit | Remark |
|-----------|--------------|------------|-------|--------|----------------|------------|--------|
| LINE      |              |            |       |        |                |            |        |
| 10.970    | 36.90        | ---        | 48.00 | 0.62   | 37.52          | -10.48     | Peak   |
| 11.324    | 35.90        | ---        | 48.00 | 0.63   | 36.53          | -11.47     | Peak   |
| 11.561    | 35.70        | ---        | 48.00 | 0.64   | 36.34          | -11.66     | Peak   |
| 12.329    | 36.10        | ---        | 48.00 | 0.65   | 36.75          | -11.25     | Peak   |
| 12.388    | 35.70        | ---        | 48.00 | 0.65   | 36.35          | -11.65     | Peak   |
| 12.566    | 35.90        | ---        | 48.00 | 0.66   | 36.56          | -11.44     | Peak   |
| 12.743    | 37.30        | ---        | 48.00 | 0.66   | 37.96          | -10.04     | Peak   |
| 12.802    | 36.40        | ---        | 48.00 | 0.66   | 37.06          | -10.94     | Peak   |

Remarks: 1. All Readings are Peak & Quasi-Peak Values.  
2. Emission Level (dBuV) = Factor (dB) + Meter Reading (dBuV)  
3. Factor (dB/m) = LISN Loss (dB) + Cable Loss (dB)

Tested by : C.C.Wu

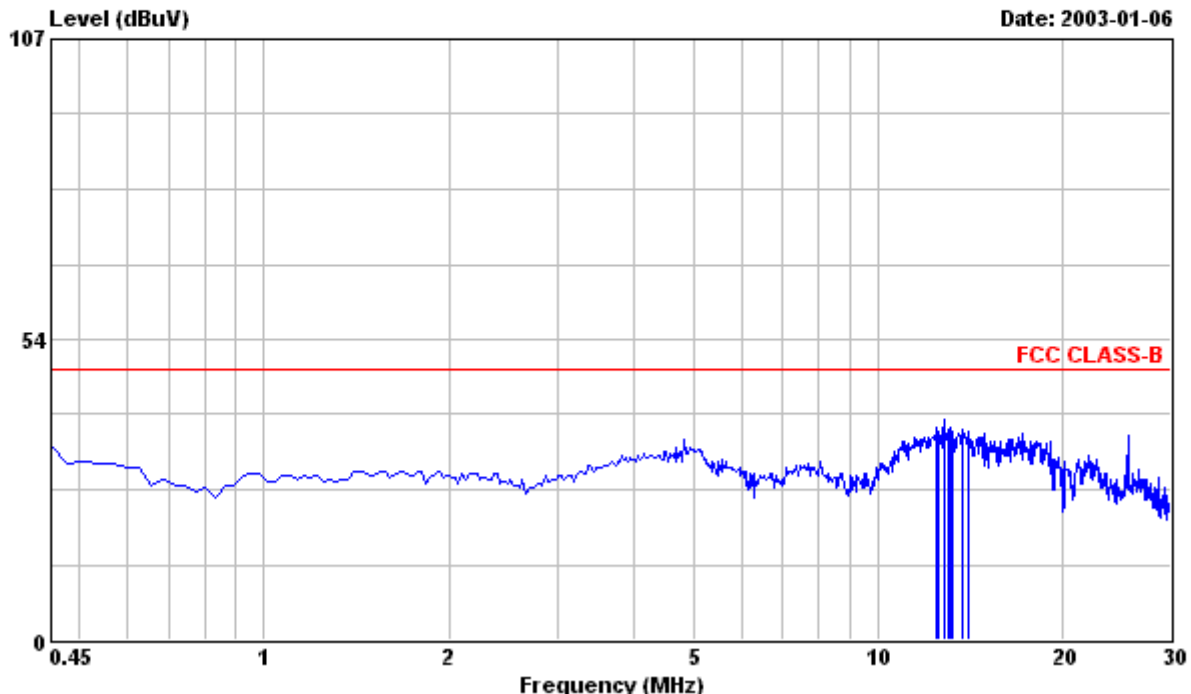


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Data#: 6

File#: C:\Program Files\em3\EMI03-001-C(Philips 107E51).emi



Site : PHILIPS EMI Shielding Room  
Condition : FCC CLASS-B FCC\_LCI\_L2 NEUTRAL  
EUT : PHILIPS 107E51 Serial No:TY0212759  
Power : 120VAC  
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.  
: 2. 3RD MODEL LG PHILIPS CRT,RUN IBM  
: V1.8 FONT 16 "H" PATTERN.  
: 3. 1280x1024/60Hz 64KHz MODE WITH  
: COMPAQ ENC/P866/20E/8/128A TAI PC,  
: ATI RADEON VE DDR VIDEO CAR WAS  
: TESTED.

| Frequency | Peak Reading | QP Reading | Limit | Factor | Emission Level | Over Limit | Remark |
|-----------|--------------|------------|-------|--------|----------------|------------|--------|
| NEUTRAL   |              |            |       |        |                |            |        |
| 12.447    | 37.10        | ---        | 48.00 | 0.65   | 37.75          | -10.25     | Peak   |
| 12.506    | 36.30        | ---        | 48.00 | 0.66   | 36.96          | -11.04     | Peak   |
| 12.802    | 38.40        | ---        | 48.00 | 0.66   | 39.06          | -8.94      | Peak   |
| 13.038    | 36.80        | ---        | 48.00 | 0.67   | 37.47          | -10.53     | Peak   |
| 13.157    | 37.00        | ---        | 48.00 | 0.67   | 37.67          | -10.33     | Peak   |
| 13.216    | 36.60        | ---        | 48.00 | 0.67   | 37.27          | -10.73     | Peak   |
| 13.748    | 36.60        | ---        | 48.00 | 0.68   | 37.28          | -10.72     | Peak   |
| 14.043    | 36.50        | ---        | 48.00 | 0.68   | 37.18          | -10.82     | Peak   |

Remarks: 1. All Readings are Peak & Quasi-Peak Values.  
2. Emission Level (dBuV) = Factor (dB) + Meter Reading (dBuV)  
3. Factor (dB/m) = LISN Loss (dB) + Cable Loss (dB)

Tested by : C.C.Wu

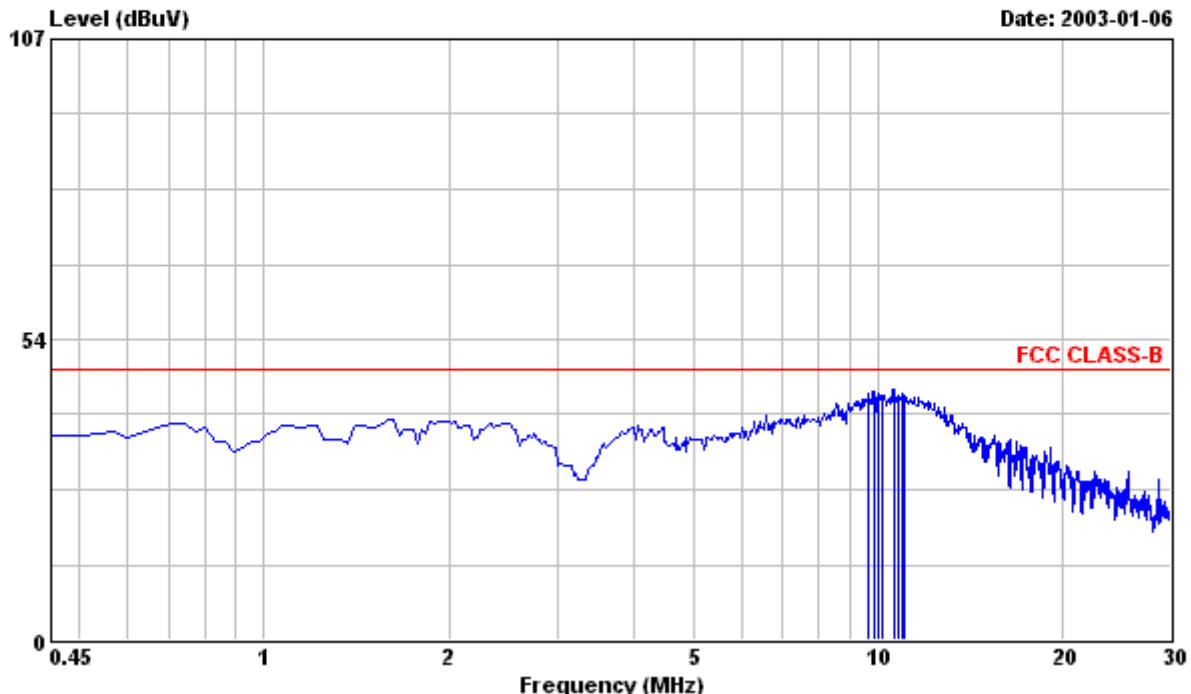


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Data#: 7

File#: C:\Program Files\em3\EMI03-001-C(Philips 107E51).emi



Site : PHILIPS EMI Shielding Room  
Condition : FCC CLASS-B FCC\_LCI\_L1 LINE  
EUT : PHILIPS 107E51 Serial No:TY0212759  
Power : 220VAC  
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.  
: 2. 3RD MODEL LG PHILIPS CRT,RUN IBM  
: V1.8 FONT 16 "H" PATTERN.  
: 3. 1280x1024/60Hz 64KHz MODE WITH  
: COMPAQ ENC/P866/20E/8/128A TAI PC,  
: ATI RADEON VE DDR VIDEO CAR WAS  
: TESTED.

| Frequency | Peak Reading | QP Reading | Limit | Factor | Emission Level | Over Limit | Remark |
|-----------|--------------|------------|-------|--------|----------------|------------|--------|
| LINE      |              |            |       |        |                |            |        |
| 9.670     | 43.40        | ---        | 48.00 | 0.57   | 43.97          | -4.03      | Peak   |
| 9.847     | 43.80        | ---        | 48.00 | 0.59   | 44.39          | -3.61      | Peak   |
| 10.024    | 43.10        | ---        | 48.00 | 0.60   | 43.70          | -4.30      | Peak   |
| 10.142    | 43.00        | ---        | 48.00 | 0.60   | 43.60          | -4.40      | Peak   |
| 10.615    | 44.10        | ---        | 48.00 | 0.62   | 44.72          | -3.28      | Peak   |
| 10.793    | 42.90        | ---        | 48.00 | 0.62   | 43.52          | -4.48      | Peak   |
| 10.970    | 43.10        | ---        | 48.00 | 0.62   | 43.72          | -4.28      | Peak   |
| 11.029    | 43.00        | ---        | 48.00 | 0.62   | 43.62          | -4.38      | Peak   |

Remarks: 1. All Readings are Peak & Quasi-Peak Values.  
2. Emission Level (dBuV) = Factor (dB) + Meter Reading (dBuV)  
3. Factor (dB/m) = LISN Loss (dB) + Cable Loss (dB)

Tested by : C.C.Wu

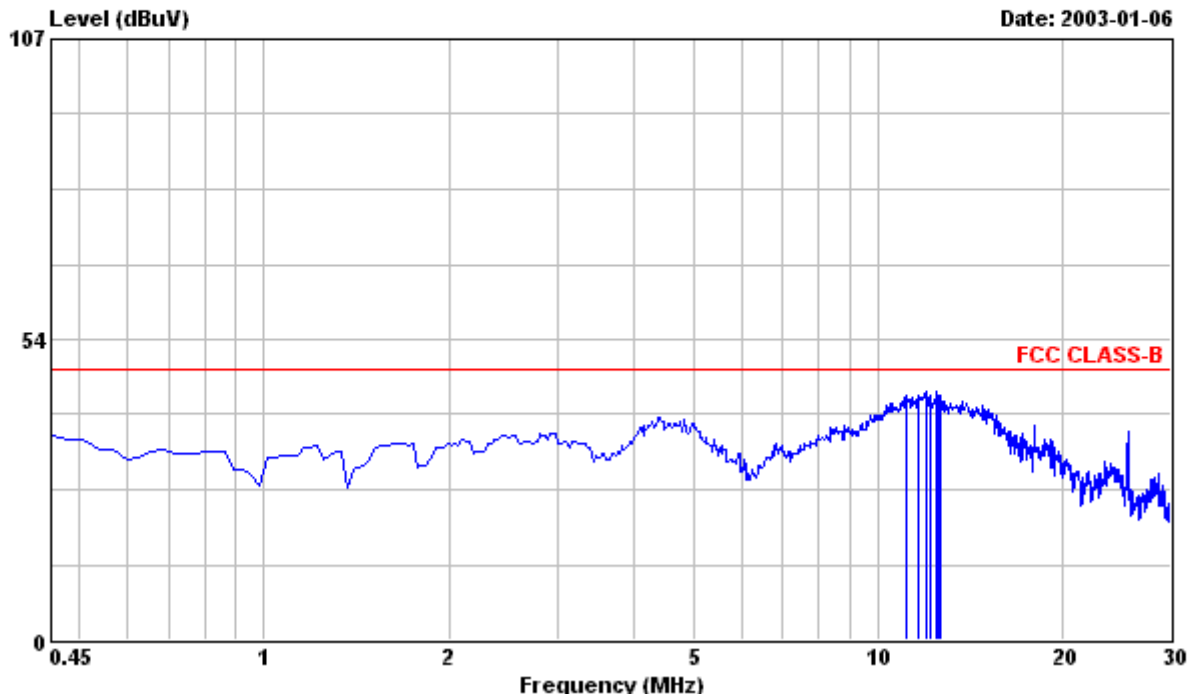


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Data#: 8

File#: C:\Program Files\em3\EMI03-001-C(Philips 107E51).emi



Site : PHILIPS EMI Shielding Room  
Condition : FCC CLASS-B FCC\_LCI\_L2 NEUTRAL  
EUT : PHILIPS 107E51 Serial No:TY0212759  
Power : 220VAC  
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.  
: 2. 3RD MODEL LG PHILIPS CRT,RUN IBM  
: V1.8 FONT 16 "H" PATTERN.  
: 3. 1280x1024/60Hz 64KHz MODE WITH  
: COMPAQ ENC/P866/20E/8/128A TAI PC,  
: ATI RADEON VE DDR VIDEO CAR WAS  
: TESTED.

| Frequency | Peak Reading | QP Reading | Limit | Factor | Emission Level | Over Limit | Remark |
|-----------|--------------|------------|-------|--------|----------------|------------|--------|
| NEUTRAL   |              |            |       |        |                |            |        |
| 11.147    | 42.80        | ---        | 48.00 | 0.63   | 43.43          | -4.57      | Peak   |
| 11.679    | 42.70        | ---        | 48.00 | 0.64   | 43.34          | -4.66      | Peak   |
| 11.975    | 43.20        | ---        | 48.00 | 0.64   | 43.84          | -4.16      | Peak   |
| 12.034    | 43.70        | ---        | 48.00 | 0.65   | 44.35          | -3.65      | Peak   |
| 12.152    | 43.00        | ---        | 48.00 | 0.65   | 43.65          | -4.35      | Peak   |
| 12.447    | 43.40        | ---        | 48.00 | 0.65   | 44.05          | -3.95      | Peak   |
| 12.506    | 42.80        | ---        | 48.00 | 0.66   | 43.46          | -4.54      | Peak   |
| 12.625    | 42.90        | ---        | 48.00 | 0.66   | 43.56          | -4.44      | Peak   |

Remarks: 1. All Readings are Peak & Quasi-Peak Values.  
2. Emission Level (dBuV) = Factor (dB) + Meter Reading (dBuV)  
3. Factor (dB/m) = LISN Loss (dB) + Cable Loss (dB)

Tested by : C.C.Wu

## 8. Radiated Emission Test

| Radiated Emissions                             |                                  |                         |
|------------------------------------------------|----------------------------------|-------------------------|
| FCC Part 15                                    |                                  |                         |
| Operating conditions EUT:                      |                                  |                         |
| EUT powered on with scrolling “H” pattern.     |                                  |                         |
| Limits:                                        |                                  |                         |
| Frequency range (MHz)                          | Class A at 10m (dBuv) QP         | Class B at 3m (dBuv) QP |
| 30.0 – 88.0                                    | 39.0                             | 40.0                    |
| 88.0 – 216.0                                   | 43.5                             | 43.5                    |
| 216.0 – 960.0                                  | 46.5                             | 46.0                    |
| 960.0 – 1000.0                                 | 49.5                             | 54.0                    |
| Above 1000.0                                   | 49.5                             | 54.0 Average            |
| Test Result :                                  |                                  |                         |
| Passed FCC Class B Limits                      |                                  |                         |
| Remark:                                        |                                  |                         |
|                                                |                                  |                         |
| Date of Test                                   | : 06 Jan., 2003 to 11 Jan., 2003 |                         |
| Test Engineer                                  | : C.C.Wu                         |                         |
| For detail measurement results see next pages. |                                  |                         |

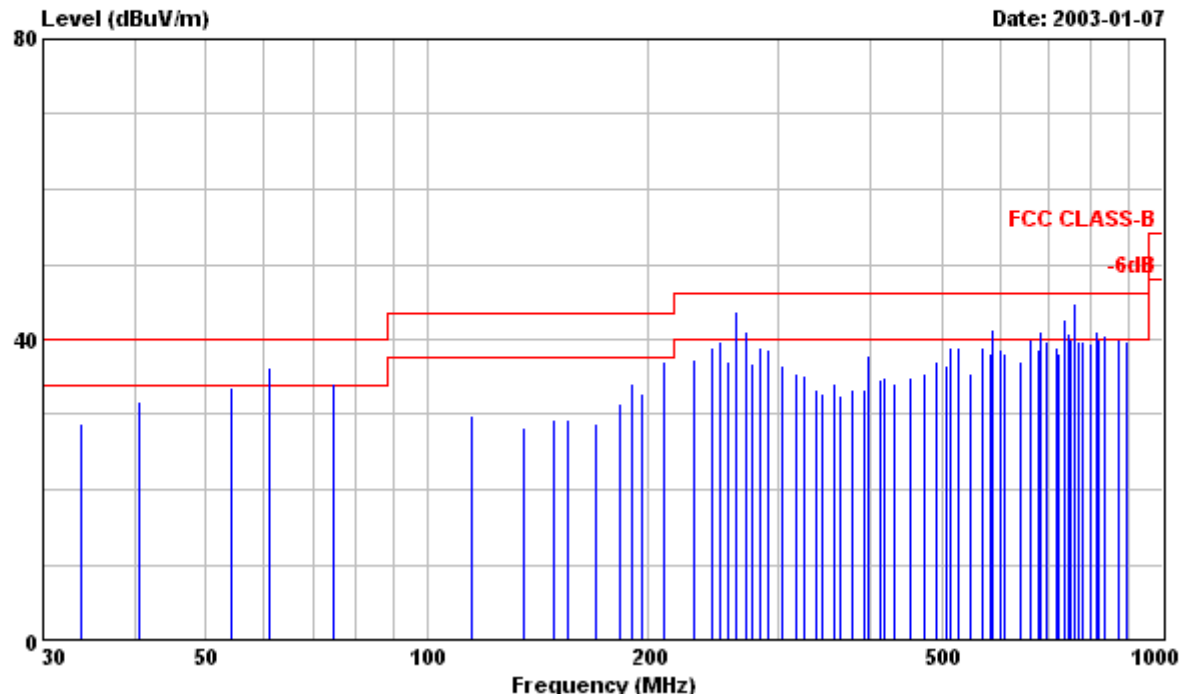


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Data#: 1

File#: C:\Program Files\em3\EMI03-001-R.emi



Site : PHILIPS EMI 3M open site  
Condition : FCC CLASS-B 3m FCC-3M-FACTOR HORIZONTAL  
EUT : PHILIPS 107E51 Serial No:TY0212759  
Power : 120-240VAC  
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.  
: 2. 3RD MODEL LG PHILIPS CRT,RUN IBM  
: V1.8 FONT 14 "H" PATTERN.  
: 3. 1024x768/85Hz 68.7KHz MODE WITH  
: COMPAQ ENC/P866/20E/8/128A TAI PC,  
: ATI RADEON VE DDR VIDEO CAR WAS  
: TESTED.

| Frequency | Peak | Reading | QP reading | Limit  | Factor | Emission Level | Over Limit | Remark |
|-----------|------|---------|------------|--------|--------|----------------|------------|--------|
| MHz       |      | dBuV    | dBuV       | dBuV/m | dB/m   | dBuV/m         | dBuV/m     |        |
| 33.840    |      | 14.90   | ---        | 40.00  | 13.80  | 28.70          | -11.30     | Peak   |
| 40.560    |      | 19.60   | ---        | 40.00  | 12.03  | 31.63          | -8.37      | Peak   |
| 54.080    |      | 23.30   | ---        | 40.00  | 10.42  | 33.72          | -6.28      | Peak   |
| ! 60.870  |      | ---     | 25.30      | 40.00  | 9.91   | 35.21          | -4.79      | QP     |
| ! 60.870  |      | 26.40   | ---        | 40.00  | 9.91   | 36.31          | -3.69      | Peak   |
| 74.380    |      | ---     | 22.50      | 40.00  | 10.18  | 32.68          | -7.32      | QP     |
| ! 74.380  |      | 24.20   | ---        | 40.00  | 10.18  | 34.38          | -5.62      | Peak   |
| 114.950   |      | 17.60   | ---        | 43.50  | 12.15  | 29.75          | -13.75     | Peak   |
| 135.210   |      | 15.29   | ---        | 43.50  | 12.89  | 28.18          | -15.32     | Peak   |
| 148.730   |      | 16.00   | ---        | 43.50  | 13.38  | 29.38          | -14.12     | Peak   |
| 155.530   |      | 15.70   | ---        | 43.50  | 13.57  | 29.27          | -14.23     | Peak   |

Remarks: 1. All Readings are Peak & Quasi-peak values.  
2. Emission Level (dBuV/m) = Factor (dB/m) + Meter Reading (dBuV/m)  
3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB)



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| Frequency  | Peak Reading | QP reading | Limit  | Factor | Emission Level | Over Limit | Remark |
|------------|--------------|------------|--------|--------|----------------|------------|--------|
| HORIZONTAL |              |            |        |        |                |            |        |
| MHz        | dBuV         | dBuV       | dBuV/m | dB/m   | dBuV/m         | dBuV/m     |        |
| 169.080    | 14.90        | ---        | 43.50  | 13.94  | 28.84          | -14.66     | Peak   |
| 182.580    | 16.90        | ---        | 43.50  | 14.65  | 31.55          | -11.95     | Peak   |
| 189.320    | 19.10        | ---        | 43.50  | 15.29  | 34.39          | -9.11      | Peak   |
| 196.060    | 16.80        | ---        | 43.50  | 15.92  | 32.72          | -10.78     | Peak   |
| 209.600    | 19.80        | ---        | 43.50  | 17.15  | 36.95          | -6.55      | Peak   |
| 229.880    | 18.41        | ---        | 46.00  | 18.92  | 37.33          | -8.67      | Peak   |
| 243.400    | 18.99        | ---        | 46.00  | 19.98  | 38.97          | -7.03      | Peak   |
| 250.160    | 19.10        | ---        | 46.00  | 20.50  | 39.60          | -6.40      | Peak   |
| 250.160    | ---          | 17.26      | 46.00  | 20.50  | 37.76          | -8.24      | QP     |
| 256.920    | 16.10        | ---        | 46.00  | 20.86  | 36.96          | -9.04      | Peak   |
| ! 263.680  | ---          | 20.96      | 46.00  | 21.28  | 42.24          | -3.76      | QP     |
| ! 263.680  | 22.50        | ---        | 46.00  | 21.28  | 43.78          | -2.22      | Peak   |
| ! 270.450  | 19.30        | ---        | 46.00  | 21.64  | 40.94          | -5.06      | Peak   |
| 270.450    | ---          | 17.41      | 46.00  | 21.64  | 39.05          | -6.95      | QP     |
| 277.200    | 14.70        | ---        | 46.00  | 22.01  | 36.71          | -9.29      | Peak   |
| 283.960    | 16.50        | ---        | 46.00  | 22.37  | 38.87          | -7.13      | Peak   |
| 290.730    | 15.90        | ---        | 46.00  | 22.73  | 38.63          | -7.37      | Peak   |
| 304.240    | 19.90        | ---        | 46.00  | 16.57  | 36.47          | -9.53      | Peak   |
| 317.770    | 18.70        | ---        | 46.00  | 16.85  | 35.55          | -10.45     | Peak   |
| 324.530    | 18.20        | ---        | 46.00  | 16.99  | 35.19          | -10.81     | Peak   |
| 338.050    | 16.10        | ---        | 46.00  | 17.27  | 33.37          | -12.63     | Peak   |
| 344.810    | 15.40        | ---        | 46.00  | 17.39  | 32.79          | -13.21     | Peak   |
| 358.330    | 16.80        | ---        | 46.00  | 17.65  | 34.45          | -11.55     | Peak   |
| 365.090    | 14.70        | ---        | 46.00  | 17.79  | 32.49          | -13.51     | Peak   |
| 378.620    | 15.40        | ---        | 46.00  | 18.02  | 33.42          | -12.58     | Peak   |
| 392.150    | 15.20        | ---        | 46.00  | 18.26  | 33.46          | -12.54     | Peak   |
| 398.910    | 19.50        | ---        | 46.00  | 18.38  | 37.88          | -8.12      | Peak   |
| 412.430    | 16.10        | ---        | 46.00  | 18.57  | 34.67          | -11.33     | Peak   |
| 419.190    | 16.30        | ---        | 46.00  | 18.67  | 34.97          | -11.03     | Peak   |
| 432.710    | 15.50        | ---        | 46.00  | 18.85  | 34.35          | -11.65     | Peak   |
| 452.990    | 15.80        | ---        | 46.00  | 19.12  | 34.92          | -11.08     | Peak   |
| 473.280    | 16.20        | ---        | 46.00  | 19.39  | 35.59          | -10.41     | Peak   |
| 493.550    | 17.50        | ---        | 46.00  | 19.64  | 37.14          | -8.86      | Peak   |
| 507.070    | 16.80        | ---        | 46.00  | 19.82  | 36.62          | -9.38      | Peak   |
| 513.840    | 19.00        | ---        | 46.00  | 19.93  | 38.93          | -7.07      | Peak   |
| 527.360    | 18.90        | ---        | 46.00  | 20.16  | 39.06          | -6.94      | Peak   |
| 547.640    | 15.00        | ---        | 46.00  | 20.45  | 35.45          | -10.55     | Peak   |
| 567.920    | 18.10        | ---        | 46.00  | 20.77  | 38.87          | -7.13      | Peak   |
| 581.450    | 17.20        | ---        | 46.00  | 20.94  | 38.14          | -7.86      | Peak   |
| ! 588.210  | 20.40        | ---        | 46.00  | 21.06  | 41.46          | -4.54      | Peak   |
| 588.210    | ---          | 18.63      | 46.00  | 21.06  | 39.69          | -6.31      | QP     |
| 601.730    | 17.50        | ---        | 46.00  | 21.25  | 38.75          | -7.25      | Peak   |
| 608.490    | 16.80        | ---        | 46.00  | 21.41  | 38.21          | -7.79      | Peak   |
| 642.290    | 14.70        | ---        | 46.00  | 22.25  | 36.95          | -9.05      | Peak   |
| ! 662.570  | 17.40        | ---        | 46.00  | 22.72  | 40.12          | -5.88      | Peak   |
| 662.570    | ---          | 15.16      | 46.00  | 22.72  | 37.88          | -8.12      | QP     |

Remarks: 1. All Readings are Peak & Quasi-peak values.

2. Emission Level (dBuV/m) = Factor (dB/m) + Meter Reading (dBuV/m)

3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB)



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| Frequency  | Peak Reading | QP reading | Limit  | Factor | Emission Level | Over Limit | Remark |
|------------|--------------|------------|--------|--------|----------------|------------|--------|
| HORIZONTAL |              |            |        |        |                |            |        |
| MHz        | dBuV         | dBuV       | dBuV/m | dB/m   | dBuV/m         | dBuV/m     |        |
| 676.090    | 15.80        | ---        | 46.00  | 22.98  | 38.78          | -7.22      | Peak   |
| ! 682.860  | 18.00        | ---        | 46.00  | 23.13  | 41.13          | -4.87      | Peak   |
| 682.860    | ---          | 15.35      | 46.00  | 23.13  | 38.48          | -7.52      | QP     |
| 696.380    | 16.30        | ---        | 46.00  | 23.45  | 39.75          | -6.25      | Peak   |
| 716.660    | 15.10        | ---        | 46.00  | 23.74  | 38.84          | -7.16      | Peak   |
| 723.420    | 14.30        | ---        | 46.00  | 23.84  | 38.14          | -7.86      | Peak   |
| ! 736.950  | 18.60        | ---        | 46.00  | 24.01  | 42.61          | -3.39      | Peak   |
| ! 736.950  | ---          | 17.26      | 46.00  | 24.01  | 41.27          | -4.73      | QP     |
| ! 743.720  | 16.80        | ---        | 46.00  | 24.12  | 40.92          | -5.08      | Peak   |
| 743.720    | ---          | 14.71      | 46.00  | 24.12  | 38.83          | -7.17      | QP     |
| 750.480    | 15.70        | ---        | 46.00  | 24.18  | 39.88          | -6.12      | Peak   |
| ! 757.240  | 20.40        | ---        | 46.00  | 24.29  | 44.69          | -1.31      | Peak   |
| ! 757.240  | ---          | 18.12      | 46.00  | 24.29  | 42.41          | -3.59      | QP     |
| 770.760    | 15.20        | ---        | 46.00  | 24.46  | 39.66          | -6.34      | Peak   |
| 777.520    | 15.10        | ---        | 46.00  | 24.53  | 39.63          | -6.37      | Peak   |
| 797.800    | 14.70        | ---        | 46.00  | 24.80  | 39.50          | -6.50      | Peak   |
| 811.320    | ---          | 13.73      | 46.00  | 24.98  | 38.71          | -7.29      | QP     |
| ! 811.320  | 16.00        | ---        | 46.00  | 24.98  | 40.98          | -5.02      | Peak   |
| ! 818.080  | 14.90        | ---        | 46.00  | 25.11  | 40.01          | -5.99      | Peak   |
| 818.080    | ---          | 12.52      | 46.00  | 25.11  | 37.63          | -8.37      | QP     |
| ! 831.600  | 15.20        | ---        | 46.00  | 25.29  | 40.49          | -5.51      | Peak   |
| ! 872.170  | 14.10        | ---        | 46.00  | 25.90  | 40.00          | -6.00      | Peak   |
| 892.450    | 13.50        | ---        | 46.00  | 26.21  | 39.71          | -6.29      | Peak   |

- Remarks: 1. All Readings are Peak & Quasi-peak values.  
2. Emission Level (dBuV/m) = Factor (dB/m) + Meter Reading (dBuV/m)  
3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB)

Tested by : C C.Wu

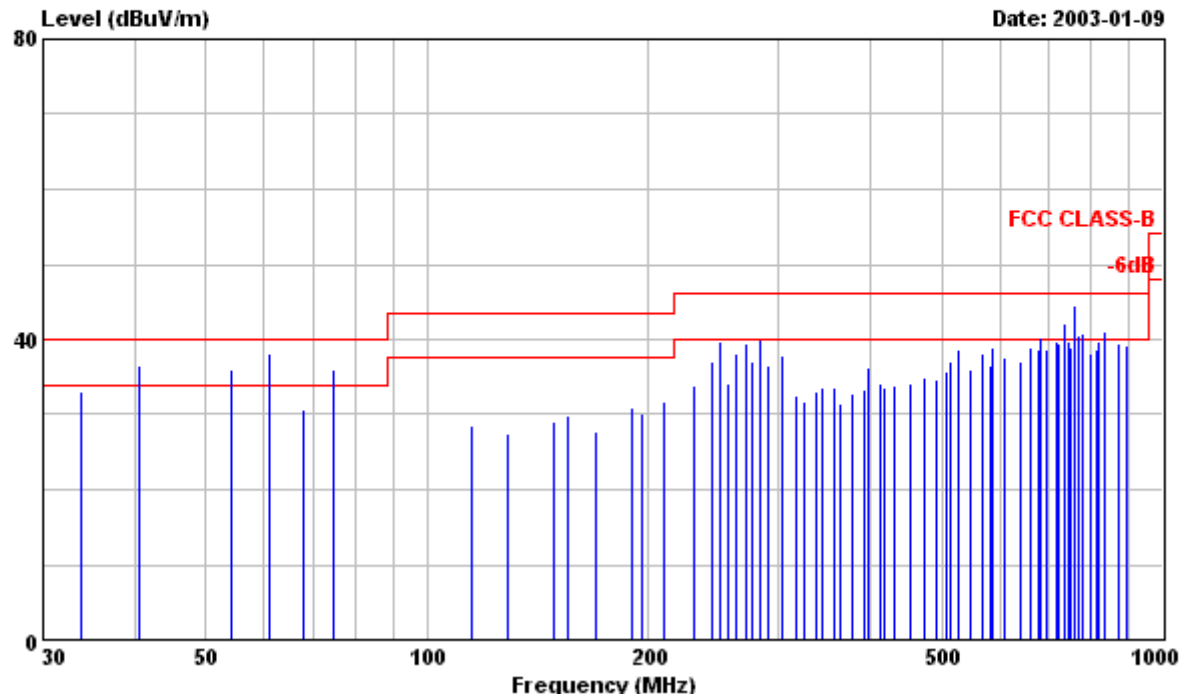


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Data#: 2

File#: C:\Program Files\em3\EMI03-001-R.emi



Site : PHILIPS EMI 3M open site  
Condition : FCC CLASS-B 3m FCC-3M-FACTOR VERTICAL  
EUT : PHILIPS 107E51 Serial No:TY0212759  
Power : 120-240VAC  
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.  
: 2. 3RD MODEL LG PHILIPS CRT,RUN IBM  
: V1.8 FONT 14 "H" PATTERN.  
: 3. 1024x768/85Hz 68.7KHz MODE WITH  
: COMPAQ ENC/P866/20E/8/128A TAI PC,  
: ATI RADEON VE DDR VIDEO CAR WAS  
: TESTED.

| Frequency | Peak | Reading | QP reading | Limit  | Factor | Emission Level | Over Limit | Remark |
|-----------|------|---------|------------|--------|--------|----------------|------------|--------|
| MHz       |      | dBuV    | dBuV       | dBuV/m | dB/m   | dBuV/m         | dBuV/m     |        |
| 33.840    |      | 19.20   | ---        | 40.00  | 13.80  | 33.00          | -7.00      | Peak   |
| ! 40.560  |      | ---     | 23.20      | 40.00  | 12.03  | 35.23          | -4.77      | QP     |
| ! 40.560  |      | 24.60   | ---        | 40.00  | 12.03  | 36.63          | -3.37      | Peak   |
| ! 54.080  |      | 25.60   | ---        | 40.00  | 10.42  | 36.02          | -3.98      | Peak   |
| ! 54.080  |      | ---     | 24.32      | 40.00  | 10.42  | 34.74          | -5.26      | QP     |
| ! 60.870  |      | 28.10   | ---        | 40.00  | 9.91   | 38.01          | -1.99      | Peak   |
| ! 60.870  |      | ---     | 26.48      | 40.00  | 9.91   | 36.39          | -3.61      | QP     |
| 67.630    |      | 20.70   | ---        | 40.00  | 9.98   | 30.68          | -9.32      | Peak   |
| ! 74.380  |      | ---     | 24.68      | 40.00  | 10.18  | 34.86          | -5.14      | QP     |
| ! 74.380  |      | 25.80   | ---        | 40.00  | 10.18  | 35.98          | -4.02      | Peak   |
| 114.950   |      | 16.50   | ---        | 43.50  | 12.15  | 28.65          | -14.85     | Peak   |

Remarks: 1. All Readings are Peak & Quasi-peak values.  
2. Emission Level (dBuV/m) = Factor (dB/m) + Meter Reading (dBuV/m)  
3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB)



# PHILIPS

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| Frequency | Peak Reading | QP reading | Limit  | Factor | Emission Level     | Over Limit | Remark |
|-----------|--------------|------------|--------|--------|--------------------|------------|--------|
| MHz       | dBuV         | dBuV       | dBuV/m | dB/m   | VERTICAL<br>dBuV/m | dBuV/m     |        |
| 128.450   | 14.90        | ---        | 43.50  | 12.64  | 27.54              | -15.96     | Peak   |
| 148.730   | 15.60        | ---        | 43.50  | 13.38  | 28.98              | -14.52     | Peak   |
| 155.530   | 16.30        | ---        | 43.50  | 13.57  | 29.87              | -13.63     | Peak   |
| 169.080   | 13.80        | ---        | 43.50  | 13.94  | 27.74              | -15.76     | Peak   |
| 189.320   | 15.70        | ---        | 43.50  | 15.29  | 30.99              | -12.51     | Peak   |
| 196.060   | 14.10        | ---        | 43.50  | 15.92  | 30.02              | -13.48     | Peak   |
| 209.600   | 14.70        | ---        | 43.50  | 17.15  | 31.85              | -11.65     | Peak   |
| 229.880   | 15.00        | ---        | 46.00  | 18.92  | 33.92              | -12.08     | Peak   |
| 243.400   | 17.10        | ---        | 46.00  | 19.98  | 37.08              | -8.92      | Peak   |
| 250.160   | 19.30        | ---        | 46.00  | 20.50  | 39.80              | -6.20      | Peak   |
| 256.920   | 13.50        | ---        | 46.00  | 20.86  | 34.36              | -11.64     | Peak   |
| 263.680   | 16.90        | ---        | 46.00  | 21.28  | 38.18              | -7.82      | Peak   |
| 270.450   | 17.70        | ---        | 46.00  | 21.64  | 39.34              | -6.66      | Peak   |
| 277.200   | 15.10        | ---        | 46.00  | 22.01  | 37.11              | -8.89      | Peak   |
| ! 283.960 | 17.70        | ---        | 46.00  | 22.37  | 40.07              | -5.93      | Peak   |
| 283.960   | ---          | 16.32      | 46.00  | 22.37  | 38.69              | -7.31      | QP     |
| 290.730   | 13.90        | ---        | 46.00  | 22.73  | 36.63              | -9.37      | Peak   |
| 304.240   | 21.40        | ---        | 46.00  | 16.57  | 37.97              | -8.03      | Peak   |
| 317.770   | 15.60        | ---        | 46.00  | 16.85  | 32.45              | -13.55     | Peak   |
| 324.530   | 14.80        | ---        | 46.00  | 16.99  | 31.79              | -14.21     | Peak   |
| 338.050   | 15.70        | ---        | 46.00  | 17.27  | 32.97              | -13.03     | Peak   |
| 344.810   | 16.30        | ---        | 46.00  | 17.39  | 33.69              | -12.31     | Peak   |
| 358.330   | 15.90        | ---        | 46.00  | 17.65  | 33.55              | -12.45     | Peak   |
| 365.090   | 13.80        | ---        | 46.00  | 17.79  | 31.59              | -14.41     | Peak   |
| 378.620   | 14.70        | ---        | 46.00  | 18.02  | 32.72              | -13.28     | Peak   |
| 392.150   | 15.10        | ---        | 46.00  | 18.26  | 33.36              | -12.64     | Peak   |
| 398.910   | 17.80        | ---        | 46.00  | 18.38  | 36.18              | -9.82      | Peak   |
| 412.430   | 15.70        | ---        | 46.00  | 18.57  | 34.27              | -11.73     | Peak   |
| 419.190   | 15.00        | ---        | 46.00  | 18.67  | 33.67              | -12.33     | Peak   |
| 432.710   | 15.00        | ---        | 46.00  | 18.85  | 33.85              | -12.15     | Peak   |
| 452.990   | 15.30        | ---        | 46.00  | 19.12  | 34.42              | -11.58     | Peak   |
| 473.280   | 15.60        | ---        | 46.00  | 19.39  | 34.99              | -11.01     | Peak   |
| 493.550   | 15.10        | ---        | 46.00  | 19.64  | 34.74              | -11.26     | Peak   |
| 507.070   | 16.00        | ---        | 46.00  | 19.82  | 35.82              | -10.18     | Peak   |
| 513.840   | 17.10        | ---        | 46.00  | 19.93  | 37.03              | -8.97      | Peak   |
| 527.360   | 18.40        | ---        | 46.00  | 20.16  | 38.56              | -7.44      | Peak   |
| 547.640   | 15.50        | ---        | 46.00  | 20.45  | 35.95              | -10.05     | Peak   |
| 567.920   | 17.40        | ---        | 46.00  | 20.77  | 38.17              | -7.83      | Peak   |
| 581.450   | 15.60        | ---        | 46.00  | 20.94  | 36.54              | -9.46      | Peak   |
| 588.210   | 18.00        | ---        | 46.00  | 21.06  | 39.06              | -6.94      | Peak   |
| 608.490   | 16.10        | ---        | 46.00  | 21.41  | 37.51              | -8.49      | Peak   |
| 642.290   | 14.80        | ---        | 46.00  | 22.25  | 37.05              | -8.95      | Peak   |
| 662.570   | 16.30        | ---        | 46.00  | 22.72  | 39.02              | -6.98      | Peak   |
| 676.090   | 15.70        | ---        | 46.00  | 22.98  | 38.68              | -7.32      | Peak   |
| ! 682.860 | 17.20        | ---        | 46.00  | 23.13  | 40.33              | -5.67      | Peak   |
| 682.860   | ---          | 15.16      | 46.00  | 23.13  | 38.29              | -7.71      | QP     |

- Remarks: 1. All Readings are Peak & Quasi-peak values.  
2. Emission Level (dBuV/m) = Factor (dB/m) + Meter Reading (dBuV/m)  
3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB)



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| Frequency | Peak Reading | QP reading | Limit  | Factor | Emission Level | Over Limit | Remark |
|-----------|--------------|------------|--------|--------|----------------|------------|--------|
|           |              |            |        |        | VERTICAL       |            |        |
| MHz       | dBuV         | dBuV       | dBuV/m | dB/m   | dBuV/m         | dBuV/m     |        |
| 696.380   | 15.20        | ---        | 46.00  | 23.45  | 38.65          | -7.35      | Peak   |
| 716.660   | 15.90        | ---        | 46.00  | 23.74  | 39.64          | -6.36      | Peak   |
| 723.420   | 15.60        | ---        | 46.00  | 23.84  | 39.44          | -6.56      | Peak   |
| ! 736.950 | 18.20        | ---        | 46.00  | 24.01  | 42.21          | -3.79      | Peak   |
| ! 736.950 | ---          | 16.78      | 46.00  | 24.01  | 40.79          | -5.21      | QP     |
| 743.720   | 15.60        | ---        | 46.00  | 24.12  | 39.72          | -6.28      | Peak   |
| 750.480   | 14.70        | ---        | 46.00  | 24.18  | 38.88          | -7.12      | Peak   |
| ! 757.240 | 20.30        | ---        | 46.00  | 24.29  | 44.59          | -1.41      | Peak   |
| ! 757.240 | ---          | 18.24      | 46.00  | 24.29  | 42.53          | -3.47      | QP     |
| ! 770.760 | 16.00        | ---        | 46.00  | 24.46  | 40.46          | -5.54      | Peak   |
| 770.760   | ---          | 14.10      | 46.00  | 24.46  | 38.56          | -7.44      | QP     |
| ! 777.520 | 16.30        | ---        | 46.00  | 24.53  | 40.83          | -5.17      | Peak   |
| 777.520   | ---          | 14.08      | 46.00  | 24.53  | 38.61          | -7.39      | QP     |
| 797.800   | 13.20        | ---        | 46.00  | 24.80  | 38.00          | -8.00      | Peak   |
| 811.320   | 13.80        | ---        | 46.00  | 24.98  | 38.78          | -7.22      | Peak   |
| 818.080   | 14.70        | ---        | 46.00  | 25.11  | 39.81          | -6.19      | Peak   |
| ! 831.600 | 15.90        | ---        | 46.00  | 25.29  | 41.19          | -4.81      | Peak   |
| 831.600   | ---          | 13.87      | 46.00  | 25.29  | 39.16          | -6.84      | QP     |
| 872.170   | 13.50        | ---        | 46.00  | 25.90  | 39.40          | -6.60      | Peak   |
| 892.450   | 13.10        | ---        | 46.00  | 26.21  | 39.31          | -6.69      | Peak   |

- Remarks: 1. All Readings are Peak & Quasi-peak values.  
2. Emission Level (dBuV/m) = Factor (dB/m) + Meter Reading (dBuV/m)  
3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB)

Tested by : C C.Wu

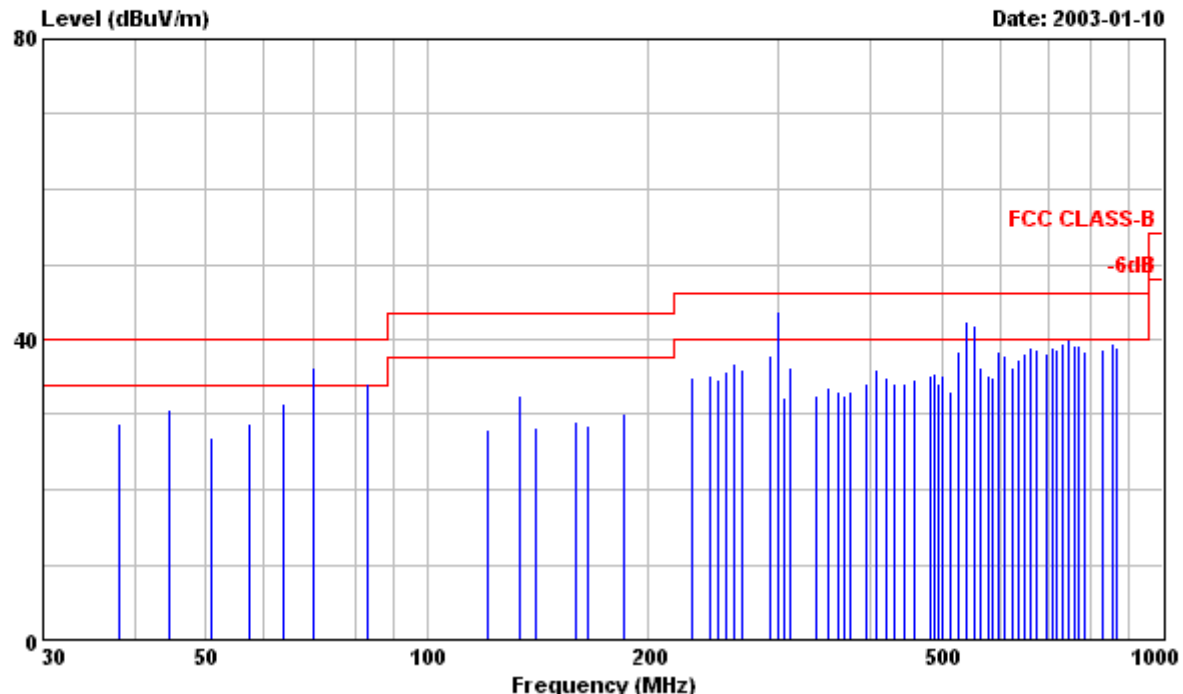


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Data#: 3

File#: C:\Program Files\em3\EMI03-001-R.emi



Site : PHILIPS EMI 3M open site  
Condition : FCC CLASS-B 3m FCC-3M-FACTOR HORIZONTAL  
EUT : PHILIPS 107E51 Serial No:TY0212759  
Power : 120-240VAC  
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.  
: 2. 3RD MODEL LG PHILIPS CRT,RUN IBM  
: V1.8 FONT 16 "H" PATTERN.  
: 3. 1280x1024/60Hz 64KHz MODE WITH  
: COMPAQ ENC/P866/20E/8/128A TAI PC,  
: ATI RADEON VE DDR VIDEO CAR WAS  
: TESTED.

Frequency Peak Reading QP reading Limit Factor Emission Level Over Limit Remark  
HORIZONTAL

| MHz      | dBuV  | dBuV  | dBuV/m | dB/m  | dBuV/m | dBuV/m |      |
|----------|-------|-------|--------|-------|--------|--------|------|
| 38.170   | 16.20 | ---   | 40.00  | 12.58 | 28.78  | -11.22 | Peak |
| 44.540   | 19.20 | ---   | 40.00  | 11.55 | 30.75  | -9.25  | Peak |
| 50.890   | 16.30 | ---   | 40.00  | 10.71 | 27.01  | -12.99 | Peak |
| 57.260   | 18.70 | ---   | 40.00  | 10.14 | 28.84  | -11.16 | Peak |
| 63.620   | 21.60 | ---   | 40.00  | 9.94  | 31.54  | -8.46  | Peak |
| ! 70.000 | ---   | 24.69 | 40.00  | 10.00 | 34.69  | -5.31  | QP   |
| ! 70.000 | 26.30 | ---   | 40.00  | 10.00 | 36.30  | -3.70  | Peak |
| ! 82.720 | 23.50 | ---   | 40.00  | 10.54 | 34.04  | -5.96  | Peak |
| 82.720   | ---   | 22.10 | 40.00  | 10.54 | 32.64  | -7.36  | QP   |
| 120.890  | 15.70 | ---   | 43.50  | 12.40 | 28.10  | -15.40 | Peak |
| 133.610  | 19.60 | ---   | 43.50  | 12.83 | 32.43  | -11.07 | Peak |

Remarks: 1. All Readings are Peak & Quasi-peak values.  
2. Emission Level (dBuV/m) = Factor (dB/m) + Meter Reading (dBuV/m)  
3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB)



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| Frequency  | Peak Reading | QP reading | Limit  | Factor | Emission Level | Over Limit | Remark |
|------------|--------------|------------|--------|--------|----------------|------------|--------|
| HORIZONTAL |              |            |        |        |                |            |        |
| MHz        | dBuV         | dBuV       | dBuV/m | dB/m   | dBuV/m         | dBuV/m     |        |
| 133.610    | 18.90        | ---        | 43.50  | 12.83  | 31.73          | -11.77     | Peak   |
| 139.950    | 15.10        | ---        | 43.50  | 13.06  | 28.16          | -15.34     | Peak   |
| 159.040    | 15.50        | ---        | 43.50  | 13.68  | 29.18          | -14.32     | Peak   |
| 165.400    | 14.80        | ---        | 43.50  | 13.85  | 28.65          | -14.85     | Peak   |
| 184.480    | 15.20        | ---        | 43.50  | 14.84  | 30.04          | -13.46     | Peak   |
| 229.060    | 16.00        | ---        | 46.00  | 18.86  | 34.86          | -11.14     | Peak   |
| 241.760    | 15.40        | ---        | 46.00  | 19.84  | 35.24          | -10.76     | Peak   |
| 248.120    | 14.20        | ---        | 46.00  | 20.37  | 34.57          | -11.43     | Peak   |
| 254.500    | 15.10        | ---        | 46.00  | 20.76  | 35.86          | -10.14     | Peak   |
| 260.850    | 15.80        | ---        | 46.00  | 21.12  | 36.92          | -9.08      | Peak   |
| 267.220    | 14.40        | ---        | 46.00  | 21.49  | 35.89          | -10.11     | Peak   |
| 292.670    | 15.00        | ---        | 46.00  | 22.84  | 37.84          | -8.16      | Peak   |
| ! 299.020  | 20.70        | ---        | 46.00  | 23.15  | 43.85          | -2.15      | Peak   |
| ! 299.020  | ---          | 19.65      | 46.00  | 23.15  | 42.80          | -3.20      | QP     |
| 305.390    | 15.80        | ---        | 46.00  | 16.59  | 32.39          | -13.61     | Peak   |
| 311.750    | 19.60        | ---        | 46.00  | 16.73  | 36.33          | -9.67      | Peak   |
| 337.190    | 15.20        | ---        | 46.00  | 17.25  | 32.45          | -13.55     | Peak   |
| 349.910    | 16.10        | ---        | 46.00  | 17.51  | 33.61          | -12.39     | Peak   |
| 362.630    | 15.20        | ---        | 46.00  | 17.74  | 32.94          | -13.06     | Peak   |
| 369.000    | 14.70        | ---        | 46.00  | 17.86  | 32.56          | -13.44     | Peak   |
| 375.360    | 15.10        | ---        | 46.00  | 17.98  | 33.08          | -12.92     | Peak   |
| 394.430    | 15.90        | ---        | 46.00  | 18.31  | 34.21          | -11.79     | Peak   |
| 407.150    | 17.40        | ---        | 46.00  | 18.50  | 35.90          | -10.10     | Peak   |
| 419.890    | 16.20        | ---        | 46.00  | 18.69  | 34.89          | -11.11     | Peak   |
| 432.620    | 15.30        | ---        | 46.00  | 18.85  | 34.15          | -11.85     | Peak   |
| 445.340    | 15.00        | ---        | 46.00  | 19.02  | 34.02          | -11.98     | Peak   |
| 458.070    | 15.50        | ---        | 46.00  | 19.18  | 34.68          | -11.32     | Peak   |
| 483.520    | 15.70        | ---        | 46.00  | 19.51  | 35.21          | -10.79     | Peak   |
| 489.880    | 16.00        | ---        | 46.00  | 19.58  | 35.58          | -10.42     | Peak   |
| 496.240    | 14.80        | ---        | 46.00  | 19.66  | 34.46          | -11.54     | Peak   |
| 502.610    | 15.50        | ---        | 46.00  | 19.76  | 35.26          | -10.74     | Peak   |
| 515.340    | 13.20        | ---        | 46.00  | 19.96  | 33.16          | -12.84     | Peak   |
| 528.060    | 18.30        | ---        | 46.00  | 20.16  | 38.46          | -7.54      | Peak   |
| ! 540.780  | ---          | 20.53      | 46.00  | 20.36  | 40.89          | -5.11      | QP     |
| ! 540.780  | 22.10        | ---        | 46.00  | 20.36  | 42.46          | -3.54      | Peak   |
| ! 553.500  | 21.20        | ---        | 46.00  | 20.54  | 41.74          | -4.26      | Peak   |
| ! 553.500  | ---          | 19.56      | 46.00  | 20.54  | 40.10          | -5.90      | QP     |
| 566.220    | 15.50        | ---        | 46.00  | 20.74  | 36.24          | -9.76      | Peak   |
| 578.940    | 14.20        | ---        | 46.00  | 20.91  | 35.11          | -10.89     | Peak   |
| 585.300    | 14.00        | ---        | 46.00  | 21.00  | 35.00          | -11.00     | Peak   |
| 598.020    | 17.30        | ---        | 46.00  | 21.17  | 38.47          | -7.53      | Peak   |
| 610.740    | 16.50        | ---        | 46.00  | 21.46  | 37.96          | -8.04      | Peak   |
| 623.490    | 14.60        | ---        | 46.00  | 21.78  | 36.38          | -9.62      | Peak   |
| 636.210    | 15.30        | ---        | 46.00  | 22.09  | 37.39          | -8.61      | Peak   |
| 648.930    | 15.70        | ---        | 46.00  | 22.40  | 38.10          | -7.90      | Peak   |
| 661.650    | 16.30        | ---        | 46.00  | 22.66  | 38.96          | -7.04      | Peak   |

Remarks: 1. All Readings are Peak & Quasi-peak values.

2. Emission Level (dBuV/m) = Factor (dB/m) + Meter Reading (dBuV/m)

3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB)



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| Frequency  | Peak Reading | QP reading | Limit  | Factor | Emission Level | Over Limit | Remark |
|------------|--------------|------------|--------|--------|----------------|------------|--------|
| HORIZONTAL |              |            |        |        |                |            |        |
| MHz        | dBuV         | dBuV       | dBuV/m | dB/m   | dBuV/m         | dBuV/m     |        |
| 674.370    | 15.60        | ---        | 46.00  | 22.98  | 38.58          | -7.42      | Peak   |
| 693.450    | 14.80        | ---        | 46.00  | 23.40  | 38.20          | -7.80      | Peak   |
| 706.180    | 15.40        | ---        | 46.00  | 23.60  | 39.00          | -7.00      | Peak   |
| 718.910    | 15.00        | ---        | 46.00  | 23.77  | 38.77          | -7.23      | Peak   |
| 731.630    | 15.60        | ---        | 46.00  | 23.94  | 39.54          | -6.46      | Peak   |
| ! 744.350  | 15.90        | ---        | 46.00  | 24.12  | 40.02          | -5.98      | Peak   |
| 744.350    | ---          | 13.03      | 46.00  | 24.12  | 37.15          | -8.85      | QP     |
| 757.070    | 14.80        | ---        | 46.00  | 24.29  | 39.09          | -6.91      | Peak   |
| 769.800    | 14.70        | ---        | 46.00  | 24.42  | 39.12          | -6.88      | Peak   |
| 782.520    | 13.80        | ---        | 46.00  | 24.59  | 38.39          | -7.61      | Peak   |
| 827.050    | 13.40        | ---        | 46.00  | 25.24  | 38.64          | -7.36      | Peak   |
| 852.490    | 14.00        | ---        | 46.00  | 25.59  | 39.59          | -6.41      | Peak   |
| 865.210    | 13.10        | ---        | 46.00  | 25.81  | 38.91          | -7.09      | Peak   |

- Remarks: 1. All Readings are Peak & Quasi-peak values.  
2. Emission Level (dBuV/m) = Factor (dB/m) + Meter Reading (dBuV/m)  
3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB)

Tested by : C C.Wu

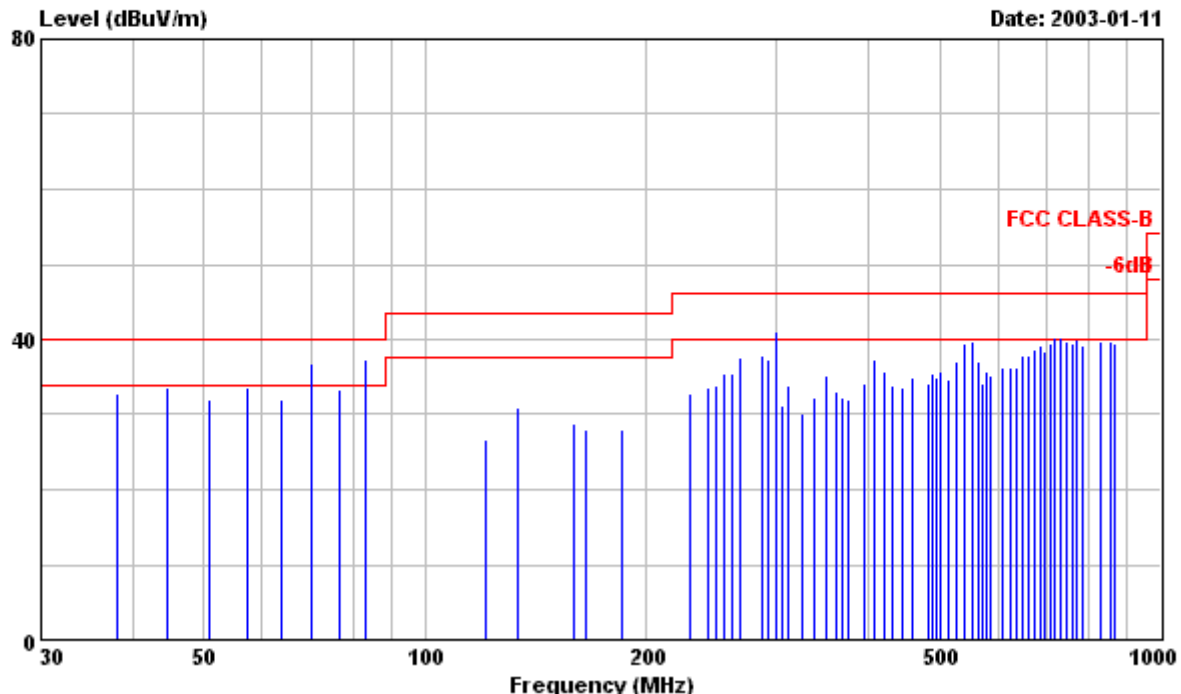


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Data#: 4

File#: C:\Program Files\em3\EMI03-001-R.emi



Site : PHILIPS EMI 3M open site  
Condition : FCC CLASS-B 3m FCC-3M-FACTOR VERTICAL  
EUT : PHILIPS 107E51 Serial No:TY0212759  
Power : 120-240VAC  
Memo : 1. EMI EVALUATION FOR FCC SAMPLE.  
: 2. 3RD MODEL LG PHILIPS CRT,RUN IBM  
: V1.8 FONT 16 "H" PATTERN.  
: 3. 1280x1024/60Hz 64KHz MODE WITH  
: COMPAQ ENC/P866/20E/8/128A TAI PC,  
: ATI RADEON VE DDR VIDEO CAR WAS  
: TESTED.

| Frequency | Peak | Reading | QP reading | Limit  | Factor | Emission Level | Over Limit | Remark |
|-----------|------|---------|------------|--------|--------|----------------|------------|--------|
| MHz       |      | dBuV    | dBuV       | dBuV/m | dB/m   | dBuV/m         | dBuV/m     |        |
| 38.170    |      | 20.30   | ---        | 40.00  | 12.58  | 32.88          | -7.12      | Peak   |
| 44.540    |      | 22.00   | ---        | 40.00  | 11.55  | 33.55          | -6.45      | Peak   |
| 50.890    |      | 21.40   | ---        | 40.00  | 10.71  | 32.11          | -7.89      | Peak   |
| 57.260    |      | 23.40   | ---        | 40.00  | 10.14  | 33.54          | -6.46      | Peak   |
| 63.620    |      | 22.10   | ---        | 40.00  | 9.94   | 32.04          | -7.96      | Peak   |
| 63.620    |      | 21.50   | ---        | 40.00  | 9.94   | 31.44          | -8.56      | Peak   |
| ! 70.000  |      | 26.80   | ---        | 40.00  | 10.00  | 36.80          | -3.20      | Peak   |
| ! 70.000  |      | ---     | 25.10      | 40.00  | 10.00  | 35.10          | -4.90      | QP     |
| 76.360    |      | 23.20   | ---        | 40.00  | 10.25  | 33.45          | -6.55      | Peak   |
| ! 82.720  |      | 26.80   | ---        | 40.00  | 10.54  | 37.34          | -2.66      | Peak   |
| ! 82.720  |      | ---     | 25.20      | 40.00  | 10.54  | 35.74          | -4.26      | QP     |

Remarks: 1. All Readings are Peak & Quasi-peak values.  
2. Emission Level (dBuV/m) = Factor (dB/m) + Meter Reading (dBuV/m)  
3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB)



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| Frequency | Peak Reading | QP reading | Limit  | Factor | Emission Level | Over Limit | Remark |
|-----------|--------------|------------|--------|--------|----------------|------------|--------|
| MHz       | dBuV         | dBuV       | dBuV/m | dB/m   | VERTICAL       |            |        |
|           |              |            |        |        | dBuV/m         | dBuV/m     |        |
| 120.890   | 14.30        | ---        | 43.50  | 12.40  | 26.70          | -16.80     | Peak   |
| 133.610   | 18.10        | ---        | 43.50  | 12.83  | 30.93          | -12.57     | Peak   |
| 159.040   | 15.10        | ---        | 43.50  | 13.68  | 28.78          | -14.72     | Peak   |
| 165.400   | 14.20        | ---        | 43.50  | 13.85  | 28.05          | -15.45     | Peak   |
| 184.480   | 13.10        | ---        | 43.50  | 14.84  | 27.94          | -15.56     | Peak   |
| 229.060   | 13.90        | ---        | 46.00  | 18.86  | 32.76          | -13.24     | Peak   |
| 241.760   | 13.70        | ---        | 46.00  | 19.84  | 33.54          | -12.46     | Peak   |
| 248.120   | 13.40        | ---        | 46.00  | 20.37  | 33.77          | -12.23     | Peak   |
| 254.500   | 14.80        | ---        | 46.00  | 20.76  | 35.56          | -10.44     | Peak   |
| 260.850   | 14.40        | ---        | 46.00  | 21.12  | 35.52          | -10.48     | Peak   |
| 267.220   | 16.10        | ---        | 46.00  | 21.49  | 37.59          | -8.41      | Peak   |
| 286.300   | 15.30        | ---        | 46.00  | 22.47  | 37.77          | -8.23      | Peak   |
| 292.670   | 14.60        | ---        | 46.00  | 22.84  | 37.44          | -8.56      | Peak   |
| ! 299.020 | 17.90        | ---        | 46.00  | 23.15  | 41.05          | -4.95      | Peak   |
| 299.020   | ---          | 16.75      | 46.00  | 23.15  | 39.90          | -6.10      | QP     |
| 305.390   | 14.50        | ---        | 46.00  | 16.59  | 31.09          | -14.91     | Peak   |
| 311.750   | 17.00        | ---        | 46.00  | 16.73  | 33.73          | -12.27     | Peak   |
| 324.470   | 13.20        | ---        | 46.00  | 16.99  | 30.19          | -15.81     | Peak   |
| 337.190   | 15.10        | ---        | 46.00  | 17.25  | 32.35          | -13.65     | Peak   |
| 349.910   | 17.80        | ---        | 46.00  | 17.51  | 35.31          | -10.69     | Peak   |
| 362.630   | 15.40        | ---        | 46.00  | 17.74  | 33.14          | -12.86     | Peak   |
| 369.000   | 14.30        | ---        | 46.00  | 17.86  | 32.16          | -13.84     | Peak   |
| 375.360   | 14.10        | ---        | 46.00  | 17.98  | 32.08          | -13.92     | Peak   |
| 394.430   | 16.20        | ---        | 46.00  | 18.31  | 34.51          | -11.49     | Peak   |
| 407.150   | 18.80        | ---        | 46.00  | 18.50  | 37.30          | -8.70      | Peak   |
| 419.890   | 17.00        | ---        | 46.00  | 18.69  | 35.69          | -10.31     | Peak   |
| 432.620   | 15.10        | ---        | 46.00  | 18.85  | 33.95          | -12.05     | Peak   |
| 445.340   | 14.70        | ---        | 46.00  | 19.02  | 33.72          | -12.28     | Peak   |
| 458.070   | 15.80        | ---        | 46.00  | 19.18  | 34.98          | -11.02     | Peak   |
| 483.520   | 14.70        | ---        | 46.00  | 19.51  | 34.21          | -11.79     | Peak   |
| 489.880   | 16.00        | ---        | 46.00  | 19.58  | 35.58          | -10.42     | Peak   |
| 496.240   | 15.20        | ---        | 46.00  | 19.66  | 34.86          | -11.14     | Peak   |
| 502.610   | 16.10        | ---        | 46.00  | 19.76  | 35.86          | -10.14     | Peak   |
| 515.340   | 14.60        | ---        | 46.00  | 19.96  | 34.56          | -11.44     | Peak   |
| 528.060   | 17.00        | ---        | 46.00  | 20.16  | 37.16          | -8.84      | Peak   |
| 540.780   | 19.00        | ---        | 46.00  | 20.36  | 39.36          | -6.64      | Peak   |
| 553.500   | 19.30        | ---        | 46.00  | 20.54  | 39.84          | -6.16      | Peak   |
| 566.220   | 16.30        | ---        | 46.00  | 20.74  | 37.04          | -8.96      | Peak   |
| 572.580   | 13.59        | ---        | 46.00  | 20.83  | 34.42          | -11.58     | Peak   |
| 578.940   | 14.80        | ---        | 46.00  | 20.91  | 35.71          | -10.29     | Peak   |
| 585.300   | 14.20        | ---        | 46.00  | 21.00  | 35.20          | -10.80     | Peak   |
| 610.740   | 14.70        | ---        | 46.00  | 21.46  | 36.16          | -9.84      | Peak   |
| 623.490   | 14.60        | ---        | 46.00  | 21.78  | 36.38          | -9.62      | Peak   |
| 636.210   | 14.30        | ---        | 46.00  | 22.09  | 36.39          | -9.61      | Peak   |
| 648.930   | 15.40        | ---        | 46.00  | 22.40  | 37.80          | -8.20      | Peak   |
| 661.650   | 15.30        | ---        | 46.00  | 22.66  | 37.96          | -8.04      | Peak   |

- Remarks: 1. All Readings are Peak & Quasi-peak values.  
2. Emission Level (dBuV/m) = Factor (dB/m) + Meter Reading (dBuV/m)  
3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB)



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| Frequency | Peak Reading | QP reading | Limit  | Factor | Emission Level | Over Limit | Remark |
|-----------|--------------|------------|--------|--------|----------------|------------|--------|
| VERTICAL  |              |            |        |        |                |            |        |
| MHz       | dBuV         | dBuV       | dBuV/m | dB/m   | dBuV/m         | dBuV/m     |        |
| 674.370   | 15.80        | ---        | 46.00  | 22.98  | 38.78          | -7.22      | Peak   |
| 687.090   | 15.90        | ---        | 46.00  | 23.24  | 39.14          | -6.86      | Peak   |
| 693.450   | 15.10        | ---        | 46.00  | 23.40  | 38.50          | -7.50      | Peak   |
| 706.180   | 15.80        | ---        | 46.00  | 23.60  | 39.40          | -6.60      | Peak   |
| ! 718.910 | 16.40        | ---        | 46.00  | 23.77  | 40.17          | -5.83      | Peak   |
| 718.910   | ---          | 13.97      | 46.00  | 23.77  | 37.74          | -8.26      | QP     |
| ! 731.630 | 16.20        | ---        | 46.00  | 23.94  | 40.14          | -5.86      | Peak   |
| 731.630   | ---          | 14.17      | 46.00  | 23.94  | 38.11          | -7.89      | QP     |
| 744.350   | 15.60        | ---        | 46.00  | 24.12  | 39.72          | -6.28      | Peak   |
| 757.070   | 15.30        | ---        | 46.00  | 24.29  | 39.59          | -6.41      | Peak   |
| ! 769.800 | 15.60        | ---        | 46.00  | 24.42  | 40.02          | -5.98      | Peak   |
| 782.520   | 14.60        | ---        | 46.00  | 24.59  | 39.19          | -6.81      | Peak   |
| 827.050   | 14.50        | ---        | 46.00  | 25.24  | 39.74          | -6.26      | Peak   |
| 852.490   | 14.10        | ---        | 46.00  | 25.59  | 39.69          | -6.31      | Peak   |
| 865.210   | 13.70        | ---        | 46.00  | 25.81  | 39.51          | -6.49      | Peak   |

- Remarks: 1. All Readings are Peak & Quasi-peak values.  
2. Emission Level (dBuV/m) = Factor (dB/m) + Meter Reading (dBuV/m)  
3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB)

Tested by : C C.Wu