

# FCC TEST REPORT

Report No. : EMI01-006

Tested Date: Mar/03/01

Test Performed By  
Philips Electronics Industries (Taiwan) Ltd.  
Business Electronics  
EMC Lab.  
No. 5, Tze Chiang 1 Road,  
Chungli, Taoyuan, Taiwan, R.O.C.  
Tel.: + 886-3-454-9862 Fax.: +886-3-454-9887

Manufacturer : Philips Business Electronics

## Tested System:

- 1. EUT : 105B20 color monitor s/n: TY0105073  
FCC ID : A3KM078
- 2. Computer : IBM V66XA s/n: S14AA00072  
FCC ID : FCC Logo
- 3. Keyboard : IBM KB-7959 s/n: 10422  
FCC ID : FCC Logo
- 4. Mouse : IBM M-S34 s/n: 457249  
FCC ID : DZL211029
- 5. Modem : USRobotics 268 s/n: 002680559278575  
FCC ID : CJE-0318
- 6. Printer : HP2225C s/n: 3123S97227  
FCC ID : DSI6XU2225
- 7. Video Card : S3 Trio 3D/2X s/n: C10N091461  
FCC ID : FCC Logo

Note: Test was performed in according with FCC measurement procedure ANSI C63.4-1992  
“AMERICAN NATIONAL STANDARD FOR MEASUREMENT OF RADIO-NOISE  
EMISSION FROM LOW-VOLTAGE ELECTRONIC EQUIPMENT IN THE RANGE  
OF 9KHz TO 40GHz”

Monitor was connected to floor mounted AC outlet.

68.7KHz mode (1024X768/85Hz) was tested.

D-sub I/F cable with one ferrite core was used.

Non-shield power cord was used during test.

The test equipment used for testing please refer to the list as attached.

Deviation: None

## Radiated RF Level – Peak Value

| Frequency<br>(MHz) | Horizontal<br>(dBuv/m) | Vertical<br>(dBuv/m) | FCC/B Limit<br>(dBuv/m) |
|--------------------|------------------------|----------------------|-------------------------|
| 114.02             | 28.44                  | 30.24                | 43.5                    |
| 117.84             | 30.08                  | 28.88                | 43.5                    |
| 135.02             | 29.85                  | 30.25                | 43.5                    |

|        |        |        |      |
|--------|--------|--------|------|
| 164.98 | 30.15  | 27.65  | 43.5 |
| 213.03 | 31.64  | 30.74  | 43.5 |
| 234.03 | 32.9   | 33.3   | 46.0 |
| 246.05 | 34.14  | 33.54  | 46.0 |
| 259.25 | 34.25  | 36.75  | 46.0 |
| 306.38 | 36.324 | 37.824 | 46.0 |
| 329.96 | 29.72  | 30.22  | 46.0 |
| 353.52 | 35.2   | 37.8   | 46.0 |
| 377.08 | 32.372 | 31.372 | 46.0 |
| 400.65 | 33.612 | 33.612 | 46.0 |
| 424.23 | 32.588 | 33.088 | 46.0 |
| 447.79 | 38.152 | 38.352 | 46.0 |
| 471.37 | 32.404 | 32.904 | 46.0 |
| 494.32 | 33.708 | 33.208 | 46.0 |
| 518.49 | 34.344 | 33.744 | 46.0 |
| 565.64 | 35.684 | 35.284 | 46.0 |
| 589.19 | 35.368 | 35.368 | 46.0 |
| 612.75 | 37.616 | 36.916 | 46.0 |

Spectrum Analyzer Setting:

RBW: 100KHz

VBW: 100KHz

Quasi-peak Values were taken with Rohde & Schwarz ESVS 30 EMI Test receiver.

### Radiated RF Level – Quasi-Peak Value

| Frequency<br>(MHz) | Horizontal<br>(dBuV/m) | Vertical<br>(dBuV/m) | FCC/B Limit<br>(dBuV/m) |
|--------------------|------------------------|----------------------|-------------------------|
| 636.33             | 40.14                  | 40.64                | 46.0                    |

The spectrum was scanned from 30MHz to 1000MHz and the significant emissions were recorded.  
Test distance between device under test and receiving antenna was 3-meter.

Sample of calculation:

Final value (dBuV/m) = Antenna Factor (dB) + Cable Loss (dB) + Reading value (dBuV/m)

Tested by: C.C.Wu

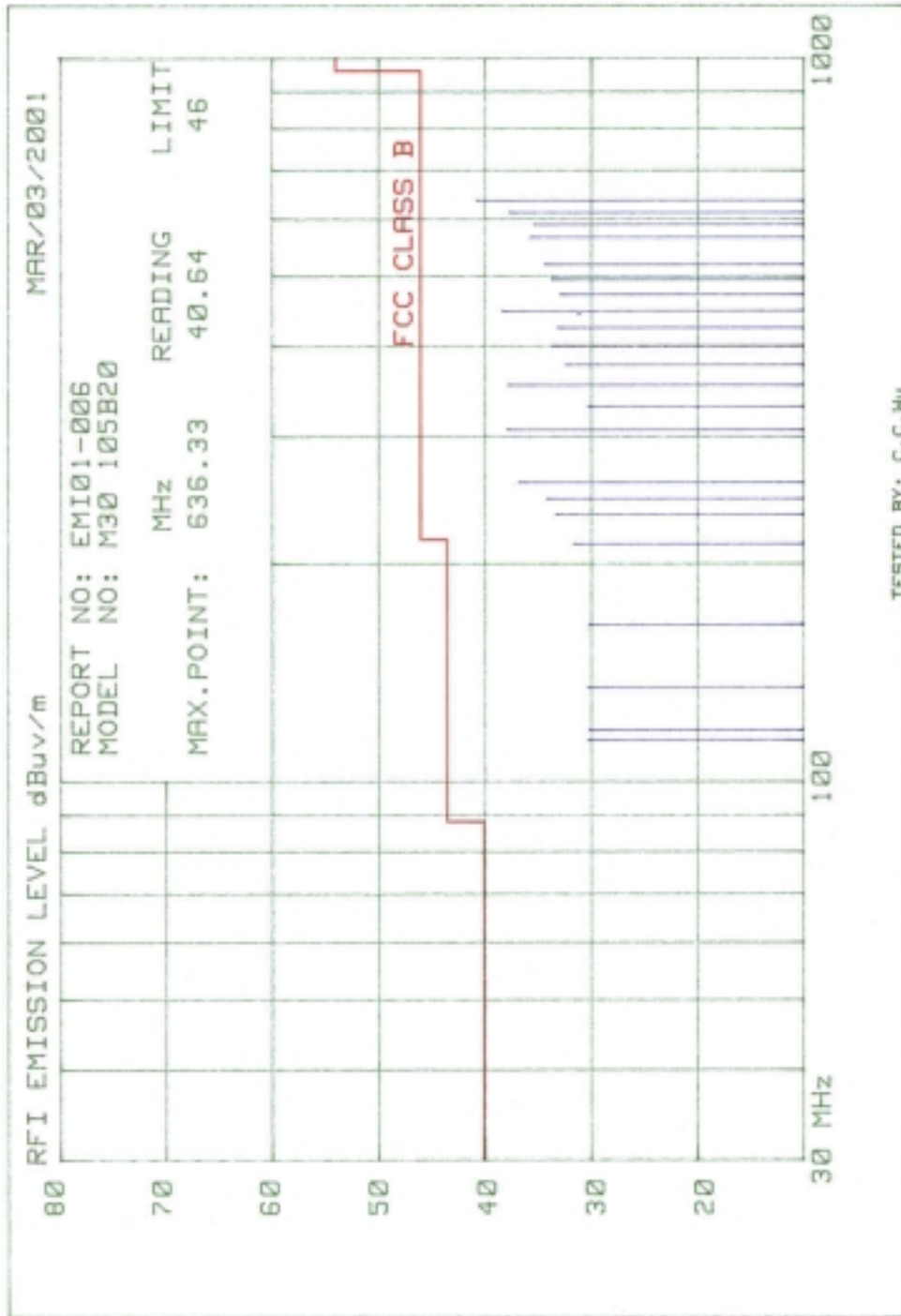
Checked by: K.J.Hsu

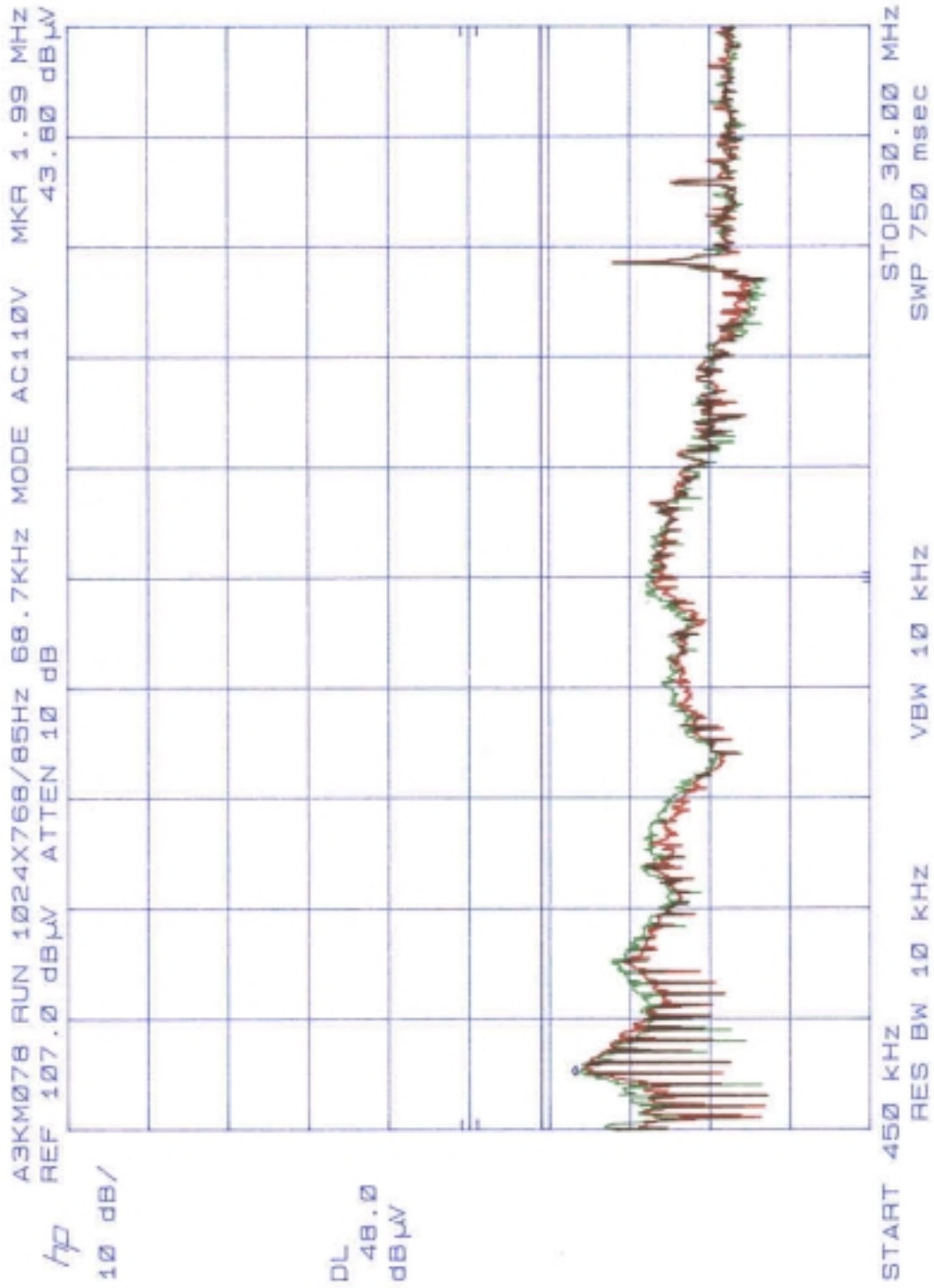
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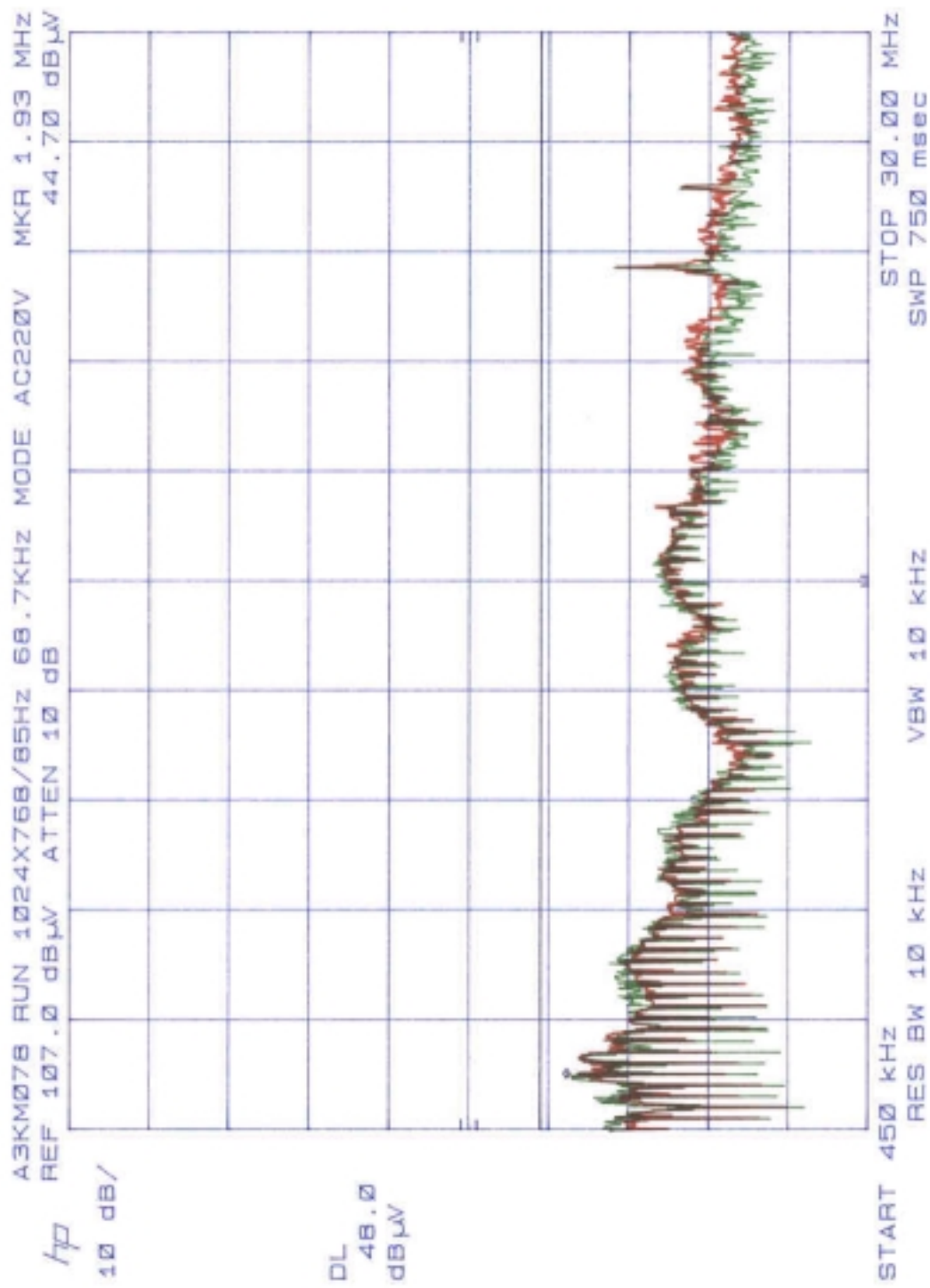
EMI Technician

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EMC Engineer  
NVLAP Signatory







# FCC TEST REPORT

Report No. : EMI01-06A

Tested Date: Mar/06/01

Test Performed By  
Philips Electronics Industries (Taiwan) Ltd.  
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Manufacturer : Philips Business Electronics

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FCC ID : DZL211029
- 5. Modem : USRobotics 268 s/n: 002680559278575  
FCC ID : CJE-0318
- 6. Printer : HP2225C s/n: 3123S97227  
FCC ID : DSI6XU2225
- 7. Video Card : S3 Trio 3D/2X s/n: C10N091416  
FCC ID : FCC Logo

Note: Test was performed in according with FCC measurement procedure ANSI C63.4-1992  
“AMERICAN NATIONAL STANDARD FOR MEASUREMENT OF RADIO-NOISE  
EMISSION FROM LOW-VOLTAGE ELECTRONIC EQUIPMENT IN THE RANGE  
OF 9KHz TO 40GHz”

Monitor was connected to floor mounted AC outlet.

64KHz mode (1280x1024/60Hz) was tested.

D-sub I/F cable with one ferrite core was used.

Non-shield power cord was used during test.

The test equipment used for testing please refer to the list as attached.

Deviation: None

## Radiated RF Level – Peak Value

| Frequency<br>(MHz) | Horizontal<br>(dBuV/m) | Vertical<br>(dBuV/m) | FCC/B Limit<br>(dBuV/m) |
|--------------------|------------------------|----------------------|-------------------------|
| 54.15              | 28.24                  | 28.94                | 40.0                    |
| 81.23              | 31.15                  | 29.95                | 40.0                    |
| 135.37             | 30.65                  | 29.55                | 43.5                    |

|        |        |        |      |
|--------|--------|--------|------|
| 162.45 | 26.76  | 29.36  | 43.5 |
| 189.52 | 33.2   | 29.2   | 43.5 |
| 216.59 | 31.06  | 31.06  | 46.0 |
| 243.65 | 35.16  | 35.36  | 46.0 |
| 270.72 | 34.14  | 34.64  | 46.0 |
| 297.8  | 37.66  | 39.76  | 46.0 |
| 306.06 | 30.024 | 30.324 | 46.0 |
| 318.06 | 30.572 | 31.472 | 46.0 |
| 324.87 | 30.3   | 30.5   | 46.0 |
| 351.96 | 37.0   | 38.90  | 46.0 |
| 379.04 | 30.944 | 31.244 | 46.0 |
| 433.18 | 37.892 | 38.692 | 46.0 |
| 460.26 | 37.04  | 39.44  | 46.0 |
| 487.32 | 34.484 | 36.984 | 46.0 |
| 514.4  | 35.212 | 36.212 | 46.0 |
| 541.47 | 36.564 | 34.664 | 46.0 |
| 568.54 | 35.356 | 36.956 | 46.0 |
| 676.83 | 39.048 | 38.448 | 46.0 |

Spectrum Analyzer Setting:

RBW: 100KHz

VBW: 100KHz

Quasi-peak Values were taken with Rohde & Schwarz ESVS 30 EMI Test receiver.

### Radiated RF Level – Quasi-Peak Value

| Frequency<br>(MHz) | Horizontal<br>(dBuv/m) | Vertical<br>(dBuv/m) | FCC/B Limit<br>(dBuv/m) |
|--------------------|------------------------|----------------------|-------------------------|
| 406.11             | 40.272                 | 38.872               | 46.0                    |
| 622.68             | 40/036                 | 42.436               | 46.0                    |

The spectrum was scanned from 30MHz to 1000MHz and the significant emissions were recorded.  
Test distance between device under test and receiving antenna was 3-meter.

Sample of calculation:

Final value (dBuv/m) = Antenna Factor (dB) + Cable Loss (dB) + Reading value (dBuv/m)

Tested by: C.C.Wu

Checked by: K.J.Hsu

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