

## FCC TEST REPORT

Report No. : EMI00-007  
 Tested Date: Mar./22/2000

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

## Tested System:

|               |                  |                      |
|---------------|------------------|----------------------|
| 1. EUT        | : 140S1          | s/n: TY9904065       |
| FCC ID        | : A3KM096        |                      |
| 2. Computer   | : HP D5044N      | s/n: FR80627955      |
| FCC ID        | : B94VECTRAV6DT  |                      |
| 3. Keyboard   | : HP 3746        | s/n: J73I9E0095      |
| FCC ID        | : FCC Logo       |                      |
| 4. Mouse      | : HP M-S34       | s/n: LZA7354         |
| 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 | : Metabyte GIA   | s/n:10543            |
| FCC ID        | : I27MM-VS03A    |                      |

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.  
 60.0KHz mode (1024x768/75Hz) was tested.  
 D-sub flying (undetachable) I/F cable with two ferrite cores was used.  
 AC adapter with 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) |
|--------------------|------------------------|----------------------|-------------------------|
| 40.0               | 26.3                   | 29.4                 | 40.0                    |
| 75.0               | 33.7                   | 34.8                 | 40.0                    |
| 131.25             | 27.01                  | 29.11                | 43.5                    |
| 150.0              | 29.2                   | 27.8                 | 43.5                    |
| 168.76             | 32.27                  | 30.37                | 43.5                    |
| 206.25             | 33.8                   | 35.2                 | 43.5                    |

|        |       |         |      |
|--------|-------|---------|------|
| 225.0  | 32.9  | 33.6    | 46.0 |
| 262.5  | 34.32 | 34.92   | 46.0 |
| 300.0  | 35.3  | 36.0    | 46.0 |
| 318.75 | 31.47 | 34.27   | 46.0 |
| 337.5  | 30.61 | 32.41   | 46.0 |
| 356.25 | 30.3  | 32.1    | 46.0 |
| 375.0  | 31.9  | 34.4    | 46.0 |
| 393.75 | 31.28 | 36.08   | 46.0 |
| 412.5  | 33.15 | 39.25   | 46.0 |
| 487.5  | 33.71 | 35.31   | 46.0 |
| 506.25 | 34.04 | 34.24   | 46.0 |
| 525.0  | 33.5  | 35.7    | 46.0 |
| 543.75 | 37.57 | 37.87   | 46.0 |
| 562.5  | 34.21 | 35.81   | 46.0 |
| 565.25 | 35.46 | 34.96   | 46.0 |
| 600.0  | 36.7  | ambient | 46.0 |
| 618.75 | 40.40 | 38.60   | 46.0 |
| 656.25 | 40.2  | 38.9    | 46.0 |
| 712.5  | 38.74 | 39.44   | 46.0 |
| 862.5  | 40.51 | 39.71   | 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 – QP Value

| Frequency<br>(MHz) | Horizontal<br>(dB $\mu$ v/m) | Vertical<br>(dB $\mu$ v/m) | FCC/B Limit<br>(dB $\mu$ v/m) |
|--------------------|------------------------------|----------------------------|-------------------------------|
| 37.5               | 32.28                        | 34.98                      | 40.0                          |
| 56.27              | 31.16                        | 35.06                      | 40.0                          |
| 581.25             | 39.37                        | 40.57                      | 46.0                          |
| 693.75             | 41.75                        | 39.75                      | 46.0                          |
| 731.25             | 40.02                        | 41.32                      | 46.0                          |
| 768.75             | 39.50                        | 39.10                      | 46.0                          |
| 825.0              | 37.7                         | 40.0                       | 46.0                          |
| 843.75             | 38.7                         | 37.7                       | 46.0                          |
| 900.0              | 39.8                         | 40.0                       | 46.0                          |
| 937.5              | 39.45                        | 38.75                      | 46.0                          |
| 975.0              | 39.3                         | 39.1                       | 54.0                          |

FCC ID: A3KM096

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

Sample of calculation:

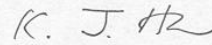
Final value (dBuv/m) = Antenna Factor (dB) + Cable Loss (dBuv) + Reading (dBuv/m)

Tested By:



C.C. Wu

Checked By:



K.J.Hsu – EMC Engineer  
NVLAP Signatory

