

## FCC TEST REPORT

Report No. : EMI00-019  
 Tested Date: May/31/00

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        | : 107P20 color monitor s/n: TY0005138 |
|               | FCC ID : A3KM076                      |
| 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      | : USRoboties 268 s/n: 002680559278575 |
|               | FCC ID : CJE-0318                     |
| 6. Printer    | : HP2225C s/n: 3123S97227             |
|               | FCC ID : DSI6XU2225                   |
| 7. Video Card | : METABYTE s/n: 10105                 |
|               | 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.  
 91.1KHz mode (1280x1024/85Hz) was tested.  
 D-sub I/F cable with three ferrite cores 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 (MHz)	Horizontal (dBuv/m)	Vertical (dBuv/m)	FCC/B Limit (dBuv/m)
75.78	26.08	30.98	40.0
113.68	36.44	31.74	43.5
151.57	27.9	28.5	43.5

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189.46	33.21	29.61	43.5
227.36	36.24	33.74	46.0
265.24	35.1	35.9	46.0
303.12	33.21	34.51	46.0
341.02	33.38	32.68	46.0
378.91	37.34	35.04	46.0
454.69	34.22	37.42	46.0
492.58	38.27	38.57	46.0
530.47	39.62	37.92	46.0
568.37	36.13	34.83	46.0
795.71	39.73	39.03	46.0
985.17	42.9	41.8	54.0

## Spectrum Analyzer Setting:

RBW: 100KHz

VBW: 100KHz

Quasi-peak Values were taken with Rohde &amp; Schwarz ESVS 30 EMI test receiver.

Radiated RF Level – QP Value

Frequency (MHz)	Horizontal (dB <sub>B</sub> /m)	Vertical (dB <sub>B</sub> /m)	FCC/B Limit (dB <sub>B</sub> /m)
37.9	30.38	37.48	40.0
416.79	36.9	40.8	46.0
606.26	38.59	37.79	46.0
644.16	34.56	37.76	46.0
682.03	38.76	39.36	46.0
719.93	37.32	38.42	46.0
757.82	40.22	39.12	46.0
833.6	38.54	38.44	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:

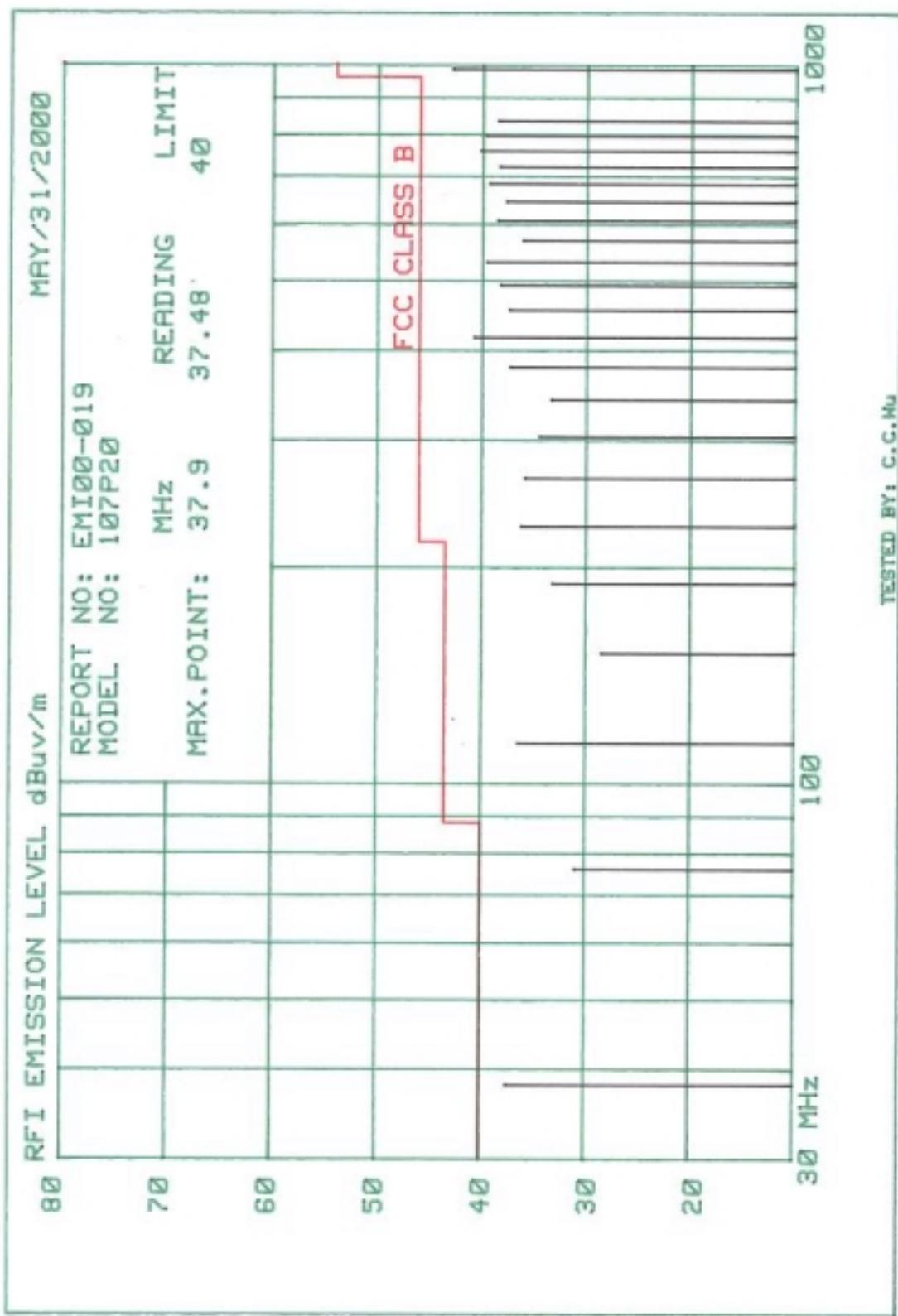
Final value (dB<sub>B</sub>/m) = Antenna Factor (dB) + Cable Loss (dB) + Reading value (dB<sub>B</sub>/m)

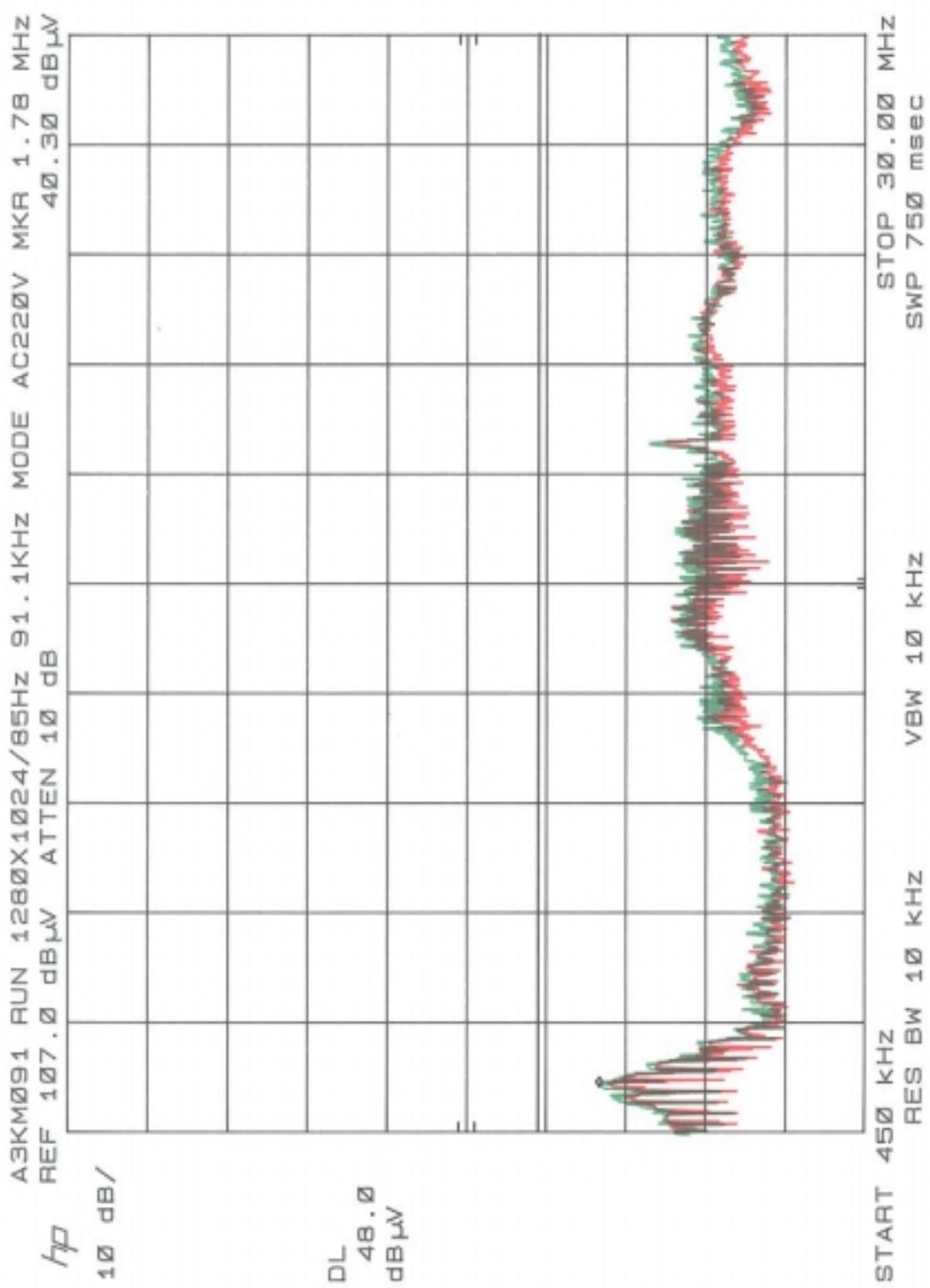
Tested by:

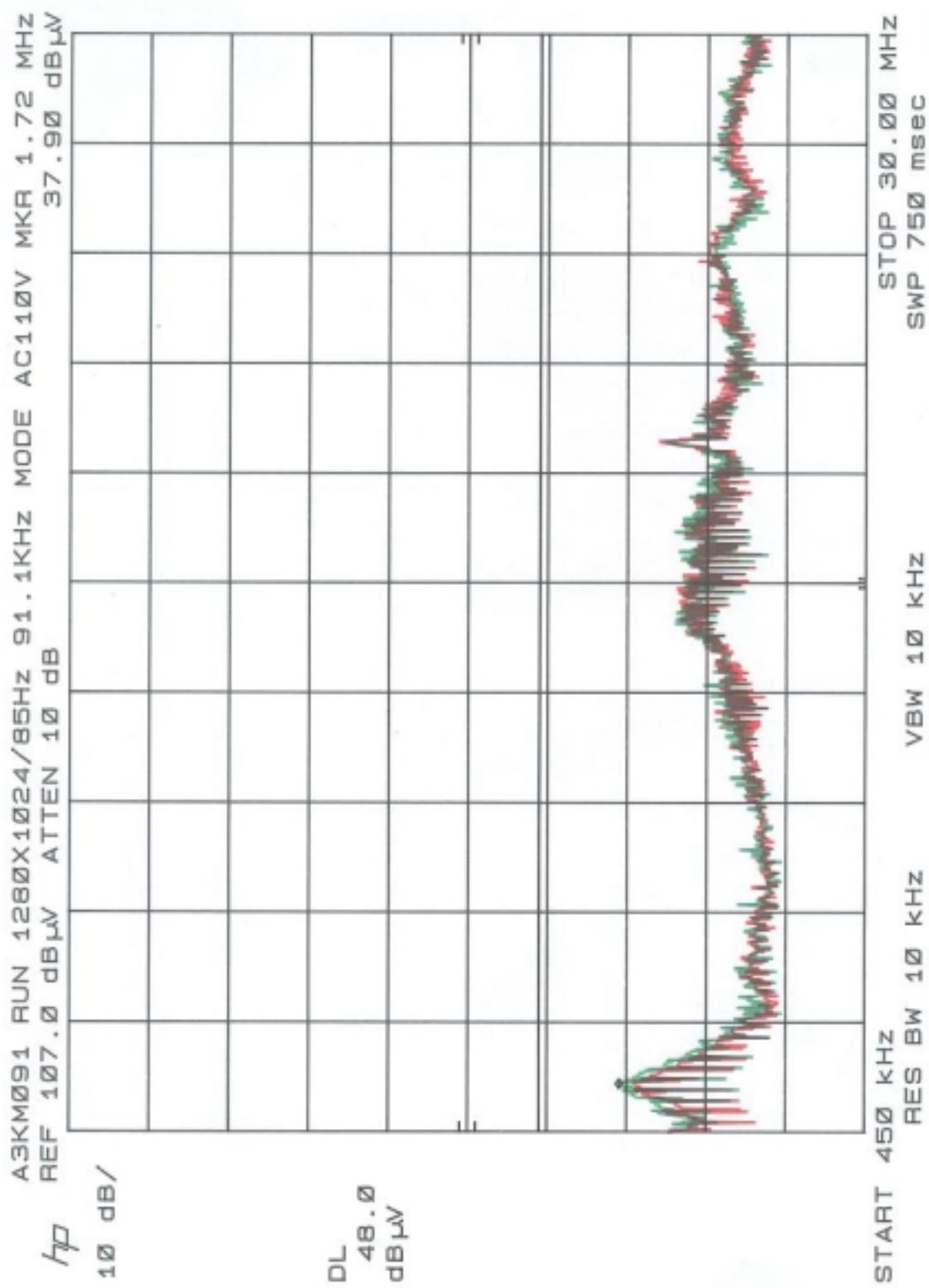
C.C. Wu

Checked by:

K.J.Hsu - EMC Engineer  
NVLAP Signatory







## FCC TEST REPORT

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|               | : | FCC ID FCC Logo                     |
| 4. Mouse      | : | IBM M-S34 s/n: 457249               |
|               | : | FCC ID DZL211029                    |
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|               | : | FCC ID CJE-0318                     |
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|               | : | FCC ID DSI6XU2225                   |
| 7. Video Card | : | METABYTE s/n: 10105                 |
|               | : | FCC ID I27MM-VS03A                  |

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Monitor was connected to floor mounted AC outlet.  
 85.0KHz mode (1280x960/85Hz) was tested.  
 D-sub I/F cable with three ferrite cores were 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 (MHz)	Horizontal (dBuv/m)	Vertical (dBuv/m)	FCC/B Limit (dBuv/m)
74.58	27.0	32.0	40.0
111.89	31.32	28.06	43.5
149.18	27.79	ambient	43.5

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186.47	ambient	30.24	43.5
223.76	34.18	ambient	46.0
261.05	35.84	34.14	46.0
298.36	36.16	36.46	46.0
335.63	32.26	31.56	46.0
360.27	32.1	34.3	46.0
372.94	34.6	33.7	46.0
447.52	33.45	38.15	46.0
484.81	36.32	38.22	46.0
522.11	38.27	38.07	46.0
559.4	35.31	34.61	46.0
783.17	39.82	39.22	46.0

## Spectrum Analyzer Setting:

RBW: 100KHz

VBW: 100KHz

Quasi-peak Values were taken with Rohde &amp; Schwarz E5VS 30 EMI test receiver.

Radiated RF Level – QP Value

Frequency (MHz)	Horizontal (dB <sub>B</sub> /m)	Vertical (dB <sub>B</sub> /m)	FCC/B Limit (dB <sub>B</sub> /m)
37.29	31.12	37.72	40.0
410.24	38.72	41.52	46.0
596.69	37.66	38.86	46.0
634.0	34.96	37.86	46.0
671.29	38.52	40.02	46.0
708.58	38.26	38.86	46.0
745.88	38.34	38.86	46.0
820.46	36.52	37.32	46.0
895.04	38.08	37.28	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 (dB<sub>B</sub>/m) = Antenna Factor (dB) + Cable Loss (dB) + Reading value (dB<sub>B</sub>/m)

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