

FCC TEST REPORT

Report No. : EMI00-003

Tested Date: Feb./11/00

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

Tested System:

- 1. EUT : 104S11 color monitor s/n: TY0004003
FCC ID : A3KM081
- 2. Computer : HP D5044N s/n: Fr80627955
FCC ID : B94VECTRAV6DT
- 3. Keyboard : HP 3746 s/n: J7319E0095
FCC ID : FCC Logo
- 4. Mouse : HP M-S34 s/n: LZA73005463
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 : ATI XPERT LCD s/n:10543
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.

53.7KHz mode (800x600/85Hz) 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 (MHz)	Horizontal (dBuv/m)	Vertical (dBuv/m)	FCC/B Limit (dBuv/m)
37.95	26.88	32.58	40.0
43.37	25.32	31.62	40.0

FCC ID: A3KM081

65.05	25.15	28.15	40.0
70.47	27.1	28.5	40.0
75.89	30.88	29.38	40.0
86.76	25.75	26.95	43.5
113.86	28.04	ambient	43.5
130.12	28.6	27.7	43.5
146.39	33.76	30.16	43.5
151.81	35.4	33.9	43.5
157.23	32.75	31.95	43.5
162.65	33.89	31.59	43.5
168.07	30.54	29.54	43.5
173.46	35.29	36.09	43.5
216.85	32.36	31.16	46.0
326.86	31.64	29.44	46.0
343.51	32.52	30.65	46.0
382.83	33.18	31.48	46.0
426.73	32.14	32.64	46.0
476.67	35.46	35.96	46.0
522.02	36.57	37.67	46.0
655.17	39.84	38.54	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 (MHz)	Horizontal (dBuV/m)	Vertical (dBuV/m)	FCC/B Limit (dBuV/m)
119.28	33.84	27.64	43.5
124.7	35.05	30.15	43.5
543.24	35.37	39.27	46.0
582.56	36.79	39.09	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 – EMC Engineer
NVLAP Signatory





