

FCC TEST REPORT

Report No. : EMI00-002

Tested Date: Jan./28/00

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 : 201P10 color monitor s/n: TY0004002
FCC ID : A3KM093
- 2. Computer : Aecr AP6100 s/n: A0283000007M
FCC ID : FCC Logo
- 3. Keyboard : KB-7993 s/n: 0051312
FCC ID : FCC Logo
- 4. Mouse : 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 : Matrox G400 s/n:91127000373
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.
120.0KHz mode (1600x1200/95Hz) was tested.
D-sub I/F cable with two ferrite cores was used.
Non-shield power cord was used during test.
Extra USB cable was connected to PC 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)
51.3	26.71	29.51	40.0
153.9	29.4	31.8	43.5
256.51	35.75	37.35	46.0
513.01	36.6	36.8	46.0
564.3	35.73	35.53	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 (MHz)	Horizontal (dBuV/m)	Vertical (dBuV/m)	FCC/B Limit (dBuV/m)
205.21	38.1	35.1	43.5
307.81	36.43	43.33	46.0
718.21	41.32	38.52	46.0
820.81	38.33	39.43	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 meters.

Sample of calculation:

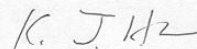
$$\text{Final value(dBuV/m)} = \text{Antenna Factor(dB)} + \text{Cable Loss(dB)} + \text{Reading(dBuV/m)}$$

Tested By:



C.C.Wu

Checked By:

K.J.Hsu – EMC Engineer
NVLAP Signatory

FCC TEST REPORT

Report No. : EMI00-002A

Tested Date: Jan./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 : 201P10 color monitor s/n: TY0004002
FCC ID : A3KM093
- 2. Computer : Aecr AP6100 s/n: A0283000007M
FCC ID : FCC Logo
- 3. Keyboard : KB-7993 s/n: 0051312
FCC ID : FCC Logo
- 4. Mouse : 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 : Matrox G400 s/n:91127000373
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.
95.0KHz mode (2048x1536/60Hz) was tested.
D-sub I/F cable with two ferrite cores was used.
Non-shield power cord was used during test.
Extra USB cable was connected to PC 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)
53.22	30.63	32.43	40.0
133.07	30.83	29.03	43.5
292.75	35.96	35.26	46.0
399.23	38.46	38.66	46.0
452.46	34.44	34.24	46.0
532.29	36.62	38.92	46.0
585.52	38.13	38.56	46.0
612.14	39.58	37.78	46.0
798.43	39.36	39.96	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 (MHz)	Horizontal (dBuV/m)	Vertical (dBuV/m)	FCC/B Limit (dBuV/m)
78.84	ambient	33.7	40.0
159.68	34.0	39.1	43.5
186.31	41.34	40.04	43.5
212.92	34.64	32.74	43.5
266.14	35.74	38.04	46.0
319.38	42.27	43.67	46.0
346.0	40.6	41.10	46.0
718.58	41.72	39.02	46.0
745.21	38.76	39.16	46.0
851.66	40.54	42.18	46.0
931.5	39.28	38.48	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 meters.

Sample of calculation:

$$\text{Final value(dBuV/m)} = \text{Antenna Factor(dB)} + \text{Cable Loss(dB)} + \text{Reading(dBuV/m)}$$

Tested By:



C.C. Wu

Checked By:



K.J. Hsu – EMC Engineer
NVLAP Signatory

FCC TEST REPORT

Report No. : EMI00-002B

Tested Date: Feb./02/00

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 : 201P10 color monitor s/n: TY0004002
FCC ID : A3KM093
- 2. Computer : Aecr AP6100 s/n: A0283000007M
FCC ID : FCC Logo
- 3. Keyboard : KB-7993 s/n: 0051312
FCC ID : FCC Logo
- 4. Mouse : 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 : Matrox G400 s/n:91127000373
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.
120.0KHz mode (1600x1200/95Hz) was tested.
BNC I/F cable with one ferrite core was used.
Non-shield power cord was used during test.
Extra USB cable was connected to PC 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)
53.24	28.53	29.63	40.0
79.85	ambient	32.3	40.0
133.07	30.73	28.93	43.5
399.21	36.06	37.86	46.0
452.45	33.34	32.94	46.0
532.29	37.22	35.92	46.0
585.51	38.43	37.03	46.0
612.14	38.78	37.18	46.0
718.58	39.12	39.32	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 (MHz)	Horizontal (dBuv/m)	Vertical (dBuv/m)	FCC/B Limit (dBuv/m)
159.68	32.4	33.9	43.5
186.31	40.84	37.34	43.5
212.92	37.74	32.14	43.5
266.14	38.94	39.34	46.0
319.37	39.77	41.97	46.0
345.98	37.8	40.0	46.0
745.21	38.6	38.96	46.0
851.66	41.44	38.84	46.0
931.5	41.38	38.98	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 meters.

Sample of calculation:

$$\text{Final value(dBuv/m)} = \text{Antenna Factor(dB)} + \text{Cable Loss(dB)} + \text{Reading(dBuv/m)}$$

Tested By:



C.C.Wu

Checked By:

K.J.Hsu – EMC Engineer
NVLAP Signatory