

FCC TEST REPORT

Report No. : EMI01-021

Tested Date: June/30/2001

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 : Compaq PE1212 LCD color monitor s/n: TY0105329
FCC ID : A3KM103
2. Computer : Compaq ENC P733 s/n: 6040DYSZE404
FCC ID : FCC Logo
3. Keyboard : Compaq KB-9963 s/n: B21A40FGA
FCC ID : FCC Logo
4. Mouse : Compaq M-S34 s/n: F13490B5BHH3ZN0
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 : NVIDIA RIVA TNT2 s/n: 316903600002
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.

60.0KHz mode (1024X768/75Hz) was tested.

D-sub I/F cable with two ferrite cores was used.

Non-shield power cord was used during test.

Extra earphone 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)
113.89	34.84	35.14	43.5
130.17	27.6	27.1	43.5
162.68	33.29	29.19	43.5
227.75	33.06	33.66	46.0
309.09	34.03	32.43	46.0
325.36	30.2	29.7	46.0
334.72	34.24	30.54	46.0
341.63	35.0	32.1	46.0
357.89	33.2	32.6	46.0

374.16	35.5	34.2	46.0
390.42	32.74	33.64	46.0
406.69	34.78	33.83	46.0
439.23	37.23	35.93	46.0
471.77	35.92	34.52	46.0
504.3	35.83	34.93	46.0
536.83	36.84	35.24	46.0
569.37	36.25	35.45	46.0
748.31	39.24	38.82	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)
32.54	27.38	32.58	40.0
48.8	29.16	35.06	40.0
666.97	37.45	39.85	46.0
683.24	36.19	37.49	46.0
732.04	37.91	40.21	46.0
764.57	37.74	37.94	46.0
797.11	37.15	36.95	46.0
829.64	37.28	36.48	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-meter.

Sample of calculation:

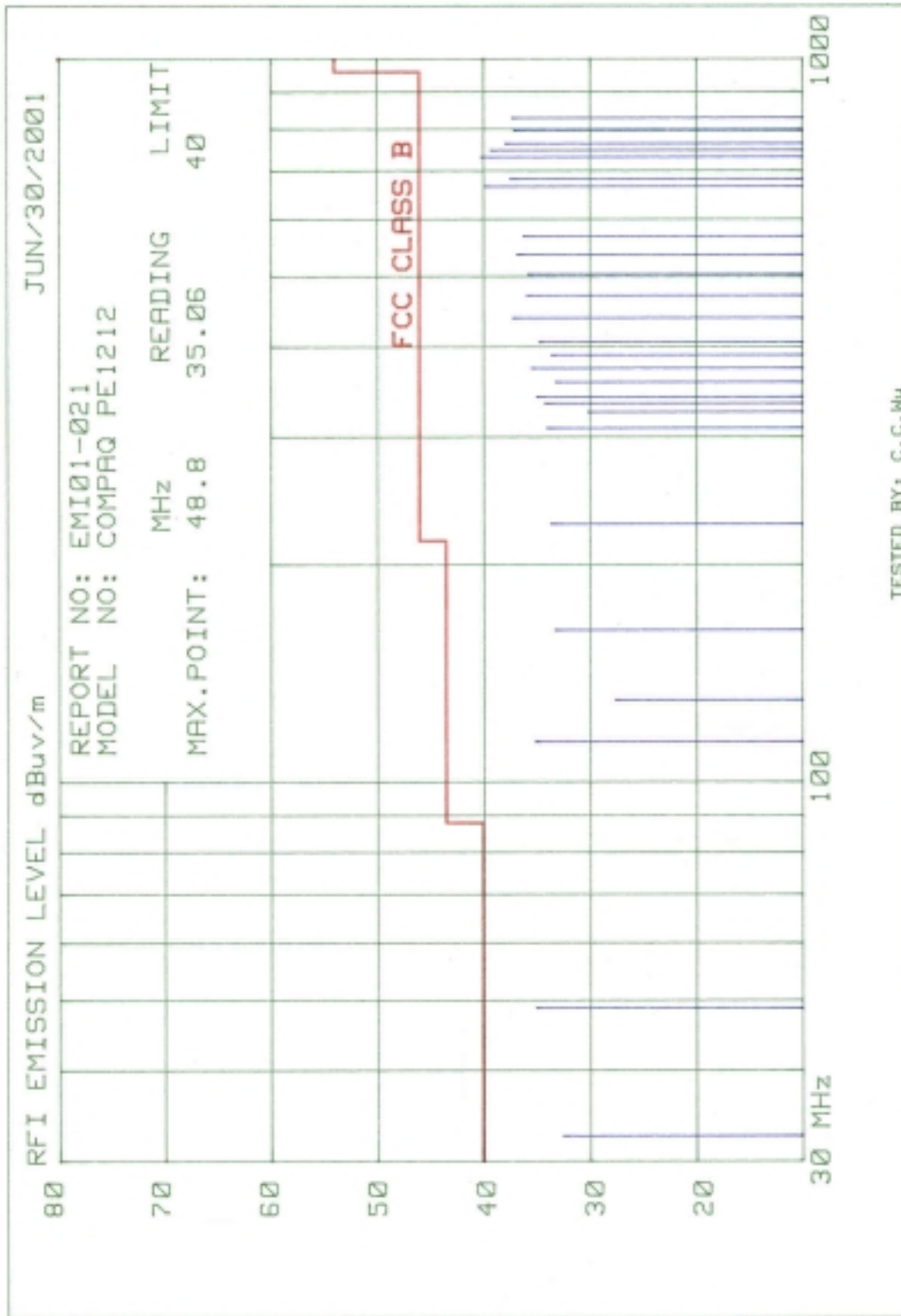
Final value (dBuv/m) = Antenna Factor (dB) + Cable Loss (dB) + Reading value (dBuv/m)

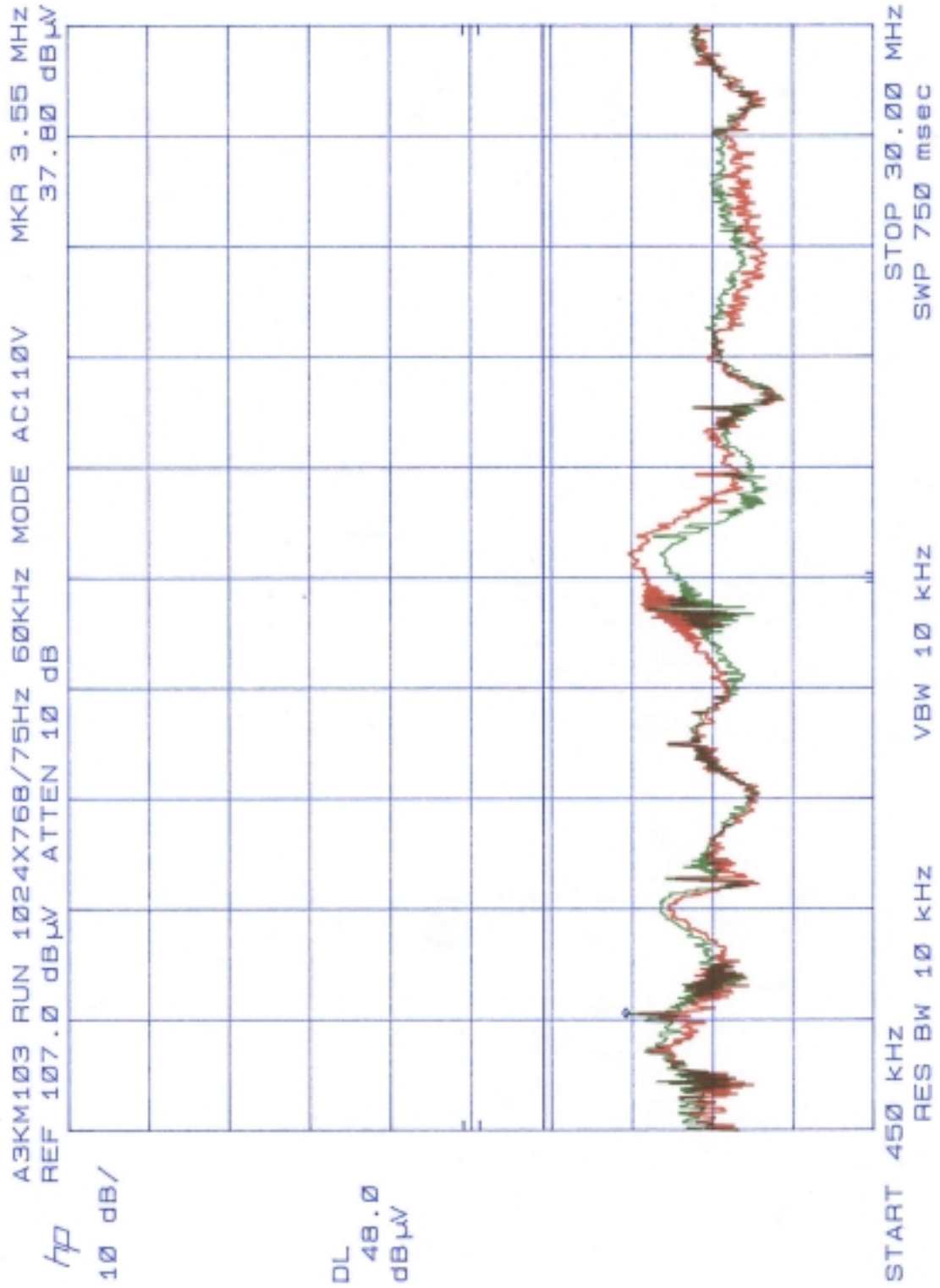
Tested by: C.C.Wu

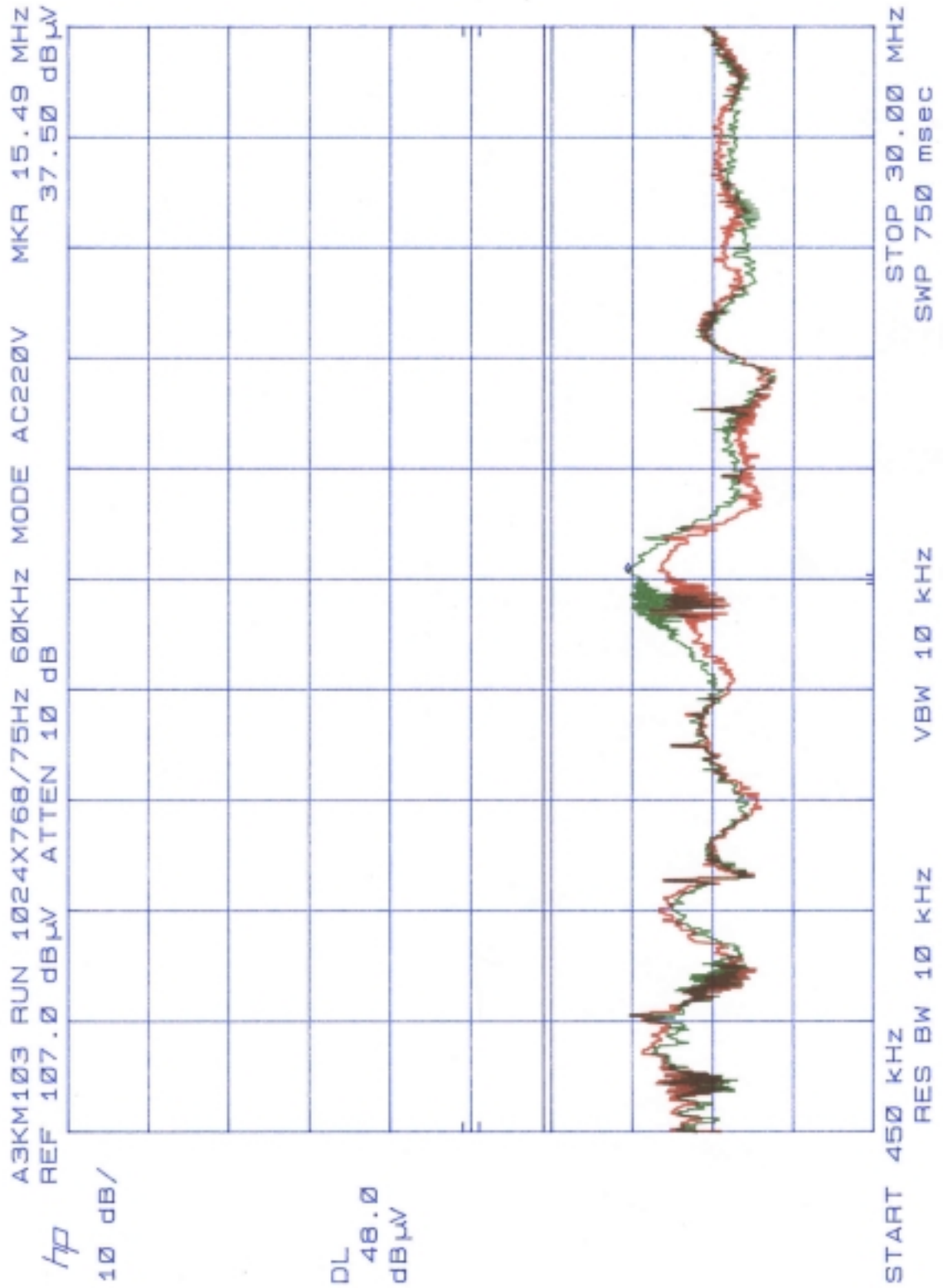
Checked by: K.J.Hsu

EMI Technician

MC Engineer
NVLAP Signatory







FCC TEST REPORT

Report No. : EMI01-021A

Tested Date: July/01/2001

Test Performed By
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Note: Test was performed in according with FCC measurement procedure ANSI C63.4-1992
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OF 9KHz TO 40GHz”

Monitor was connected to floor mounted AC outlet.

48.3KHz mode (1024X768/60Hz) was tested.

D-sub I/F cable with two ferrite cores was used.

Non-shield power cord was used during test.

Extra earphone was used during test.

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

Deviation: None

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Radiated RF Level – Peak Value

Frequency (MHz)	Horizontal (dBuV/m)	Vertical (dBuV/m)	FCC/B Limit (dBuV/m)
32.54	27.88	32.18	40.0
65.08	25.75	29.25	40.0
113.89	33.14	36.54	43.5
130.17	28.6	26.7	43.5
146.44	31.96	29.86	43.5
162.71	33.29	31.19	43.5
195.25	30.85	29.75	43.5

211.53	32.26	31.36	43.5
227.8	33.46	32.76	46.0
244.07	35.96	33.26	46.0
276.61	35.98	34.38	46.0
309.15	33.85	32.43	46.0
341.07	35.96	33.26	46.0
357.98	34.4	32.7	46.0
374.25	33.3	32.1	46.0
390.52	32.07	32.37	46.0
406.78	32.98	35.08	46.0
423.05	32.27	32.57	46.0
439.32	35.33	34.83	46.0
455.59	33.04	33.54	46.0
471.68	34.72	35.92	46.0
504.41	34.53	35.03	46.0
536.85	36.14	34.64	46.0
569.5	35.58	35.38	46.0
634.58	36.7	37.9	46.0
797.3	39.75	39.55	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)
48.82	30.06	35.46	40.0
667.12	36.75	38.45	46.0
683.39	35.69	37.09	46.0
732.22	36.51	38.01	46.0
764.76	36.84	36.54	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)

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