

FCC TEST REPORT

Report No. : EMI01-032
Tested Date: Sep./01/2001

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: TY0105475
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)
32.53	27.58	30.78	40.0
48.8	25.06	27.56	40.0
81.34	26.6	29.65	40.0
113.88	35.84	35.04	43.5
130.13	27.5	27.9	43.5
146.4	28.86	31.76	43.5
162.68	29.19	28.89	43.5
211.48	34.08	33.0	43.5
244.02	34.96	33.76	46.0

309.08	33.03	30.63	46.0
341.62	31.9	31.0	46.0
374.15	31.5	33.0	46.0
406.69	32.38	31.98	46.0
471.75	35.12	33.42	46.0
488.02	35.01	34.21	46.0
520.56	37.86	35.66	46.0
569.37	36.95	35.15	46.0
601.91	35.56	35.96	46.0
618.18	35.77	37.17	46.0
666.96	38.85	38.35	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)
504.29	39.23	33.93	46.0
536.83	39.24	34.24	46.0
862.18	37.98	37.68	46.0
878.45	38.71	38.51	46.0
894.71	37.88	38.18	46.0
927.25	37.82	38.22	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:

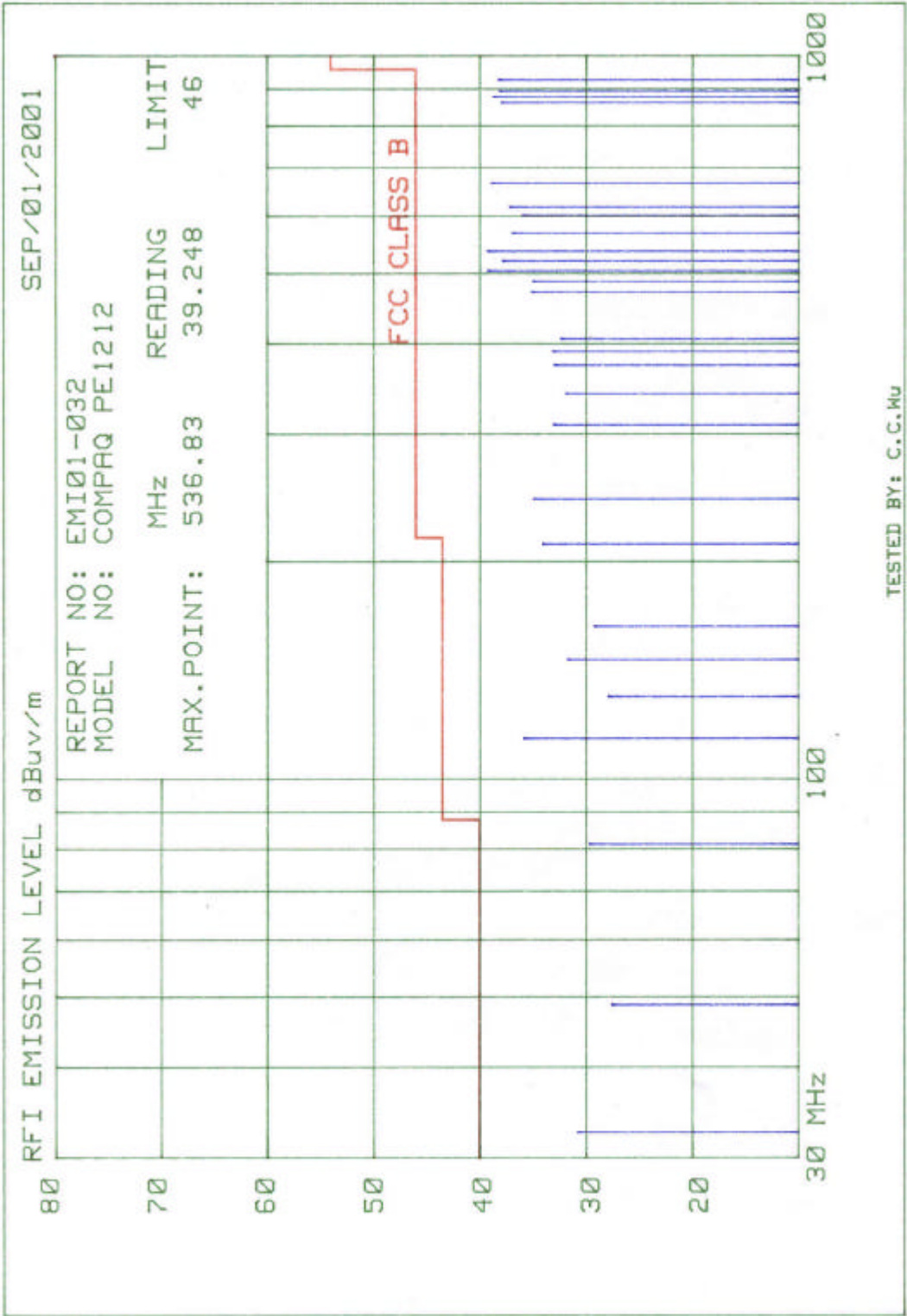
Final value (dBuV/m) = Antenna Factor (dB) + Cable Loss (dB) + Reading value (dBuV/m)

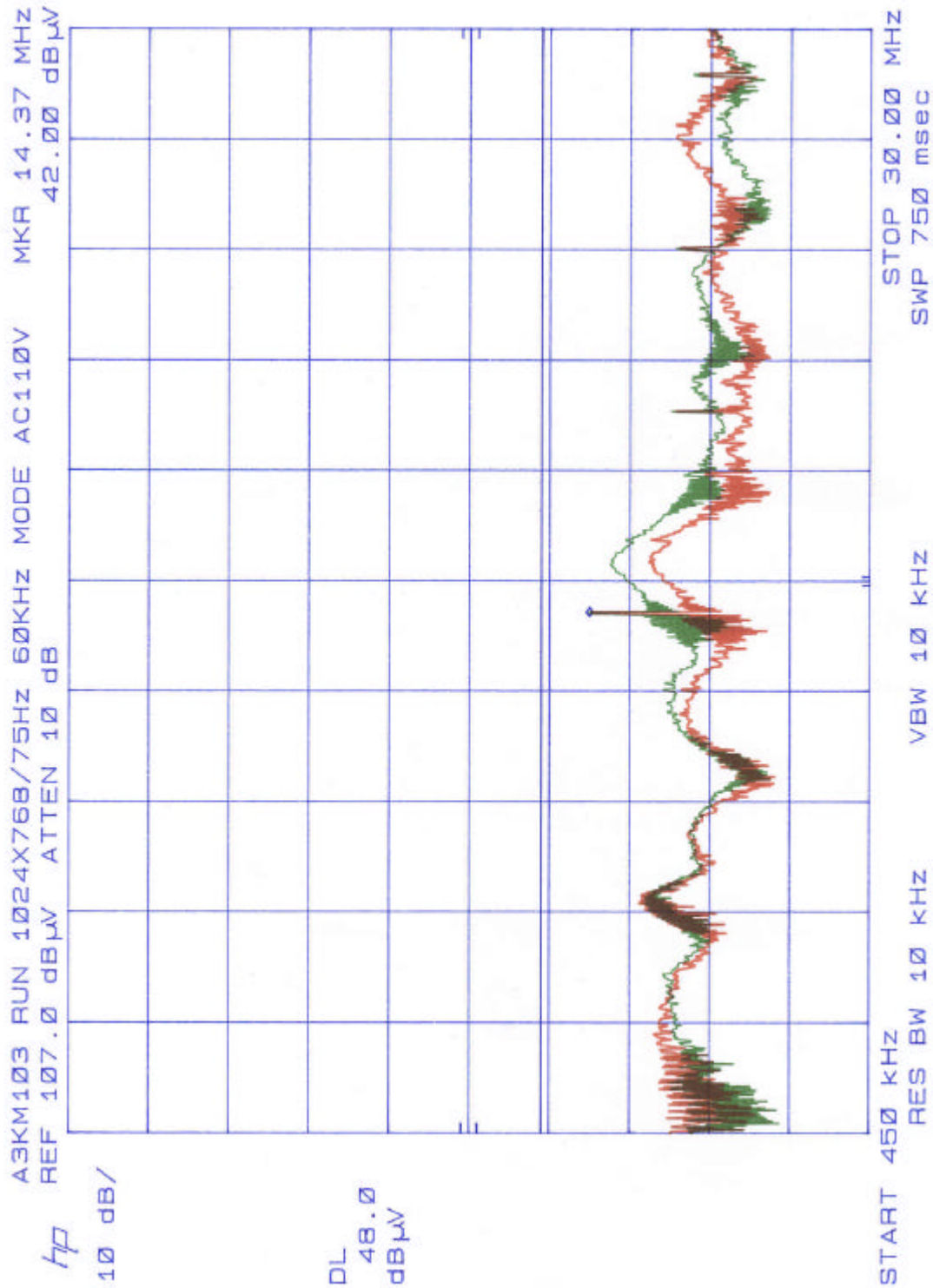
Tested by: C.C.Wu

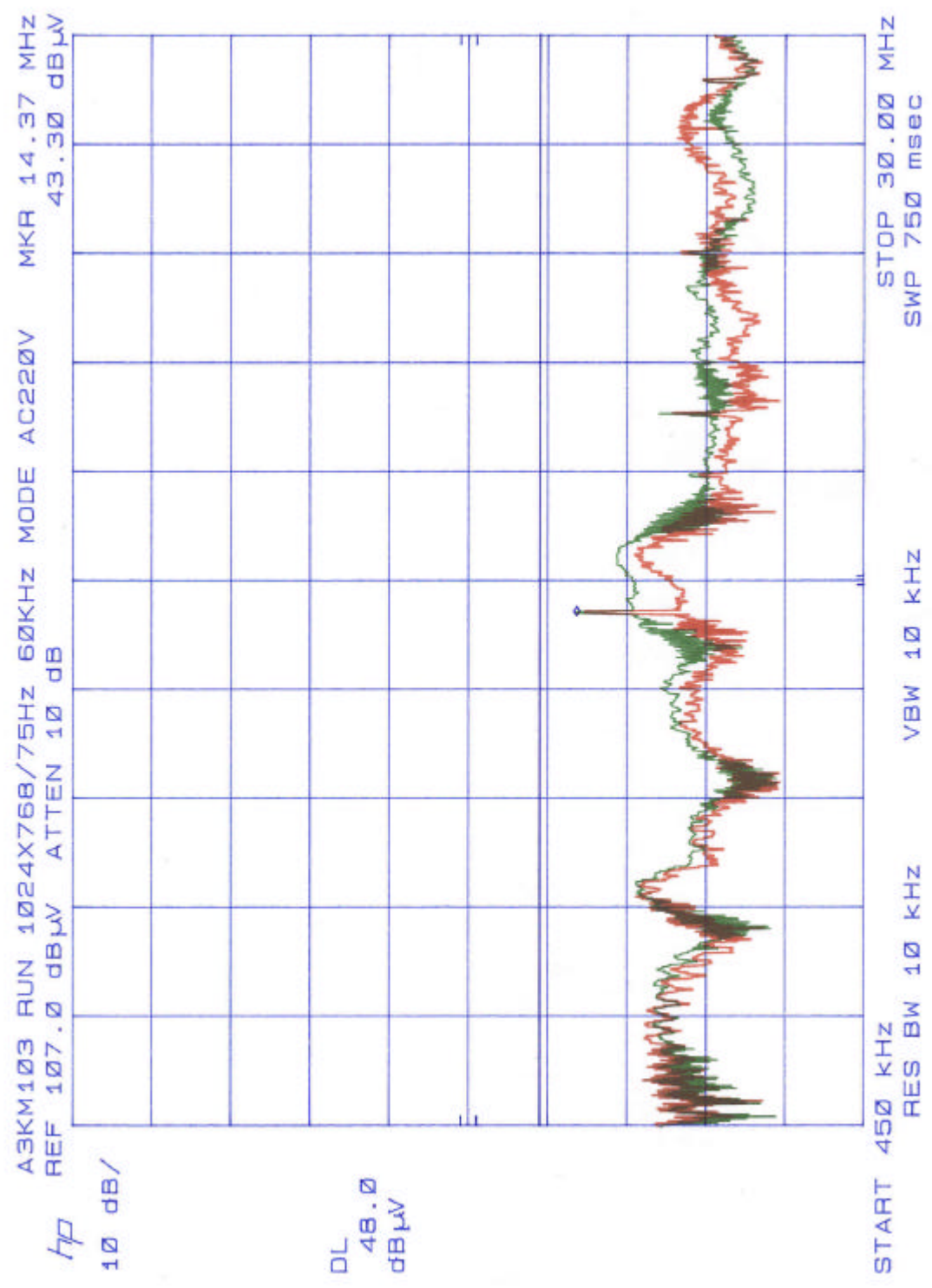
Checked by: K.J.Hsu

EMI Technician

MC Engineer
NVLAP Signatory







FCC TEST REPORT

Report No. : EMI01-032A

Tested Date: Sep./02/2001

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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)
32.5	27.68	33.78	40.0
48.75	24.56	30.36	40.0
113.72	36.14	34.64	43.5
129.97	28.7	27.7	43.5
146.23	28.46	29.06	43.5
162.47	28.56	30.46	43.5
211.21	32.88	31.26	43.5
243.72	33.26	33.56	46.0

308.68	32.53	30.33	46.0
324.94	32.3	30.1	46.0
341.2	32.58	32.18	46.0
357.43	32.5	31.1	46.0
373.69	32.6	33.1	46.0
389.95	33.34	31.74	46.0
406.17	32.97	32.47	46.0
422.43	33.36	31.56	46.0
438.67	34.03	32.23	46.0
471.17	35.7	33.9	46.0
487.4	35.48	33.4	46.0
519.89	38.06	35.16	46.0
568.65	37.55	35.45	46.0
601.14	35.43	36.23	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)
503.65	40.73	35.53	46.0
536.15	39.44	33.94	46.0
666.16	35.28	35.28	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 (dBuV/m) = Antenna Factor (dB) + Cable Loss (dB) + Reading value (dBuV/m)

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