

FCC TEST REPORT

Report No. : EMI01-037
Tested Date: Oct./04/2001

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 : Philips 150MT10P Multi-function LCD color monitor s/n: TY0104037
FCC ID : A3KM105
2. Computer : IBM Aptiva V66M s/n: 11S8-138A0-104
FCC ID : FCC Logo
3. Keyboard : IBM KB-7993 s/n: 0017954
FCC ID : FCC Logo
4. Mouse : M-S35 s/n: LZA82103122
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 : S3 Trio 3D/2X AGP s/n: C10N091416
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 cables (PC-audio in, S-VHS audio and video, AV in and Antenna cable) with dummy loads were used.

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)
57.28	26.07	30.47	40.0
114.56	33.1	31.0	43.5
124.12	27.12	27.82	43.5
128.88	28.47	29.37	43.5
133.66	30.44	30.14	43.5

138.43	27.08	27.38	43.5
143.19	29.13	28.16	43.5
150.36	28.8	27.9	43.5
157.52	36.2	32.3	43.5
162.29	27.56	36.66	43.5
171.83	33.36	30.36	43.5
190.92	35.21	35.61	43.5
210.02	32.5	31.0	43.5
229.1	35.78	38.38	46.0
248.21	33.32	33.72	46.0
257.74	35.3	35.8	46.0
267.3	37.38	38.68	46.0
279.73	34.6	36.3	46.0
286.38	35.7	35.9	46.0
300.69	34.40	34.80	46.0
305.74	32.72	33.22	46.0
315.05	30.26	29.76	46.0
324.56	30.0	30.9	46.0
343.65	35.85	33.05	46.0
381.83	31.85	33.85	46.0
400.92	34.91	34.21	46.0
458.2	33.99	34.89	46.0
515.46	33.62	33.42	46.0
534.58	33.44	34.04	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)
38.19	27.98	33.08	40.0
76.37	37.28	30.38	40.0

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:

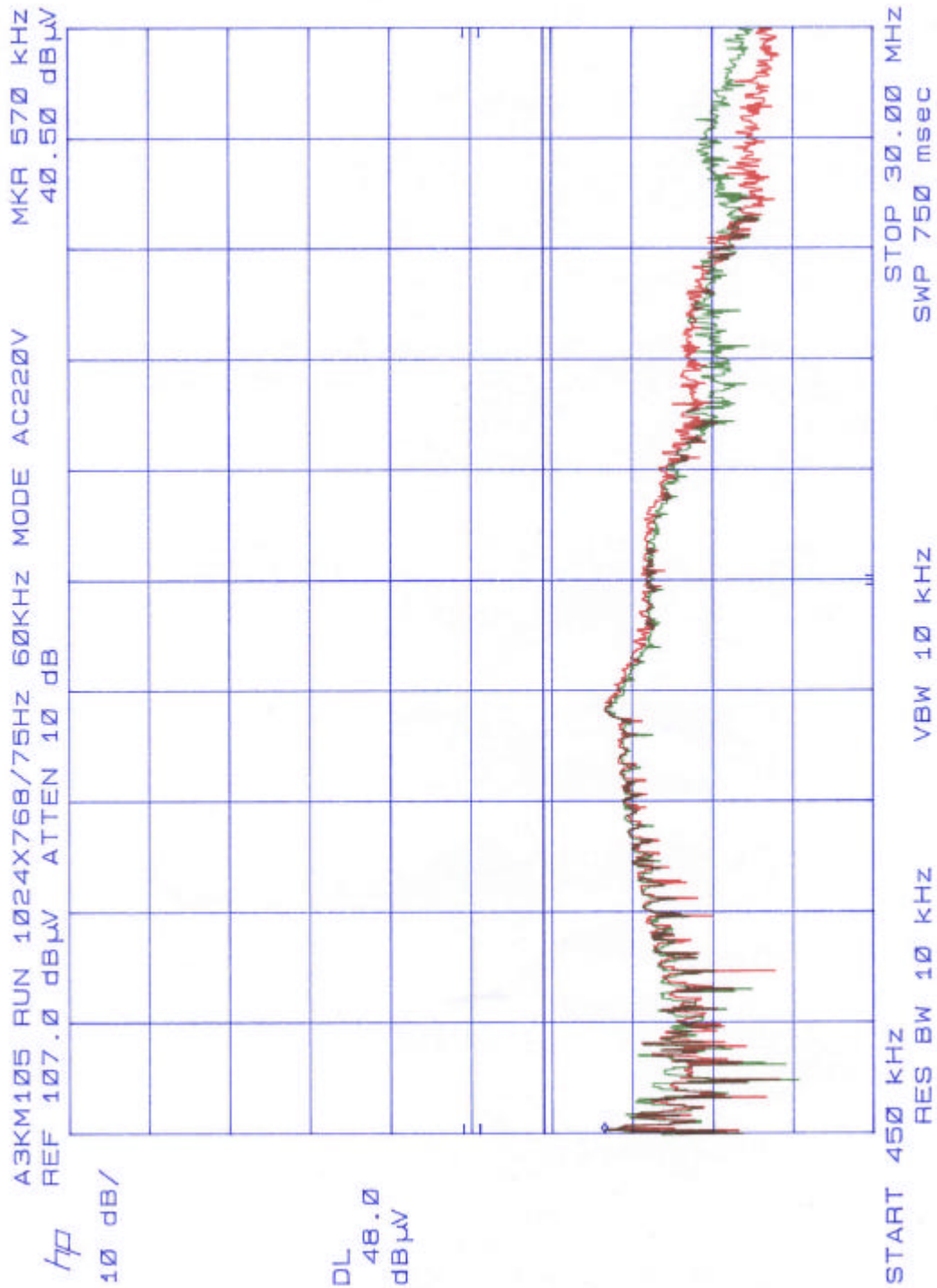
Final value (dBuV/m) = Antenna Factor (dB/m) + Cable Loss (dB) + Reading value (dBuV/m)

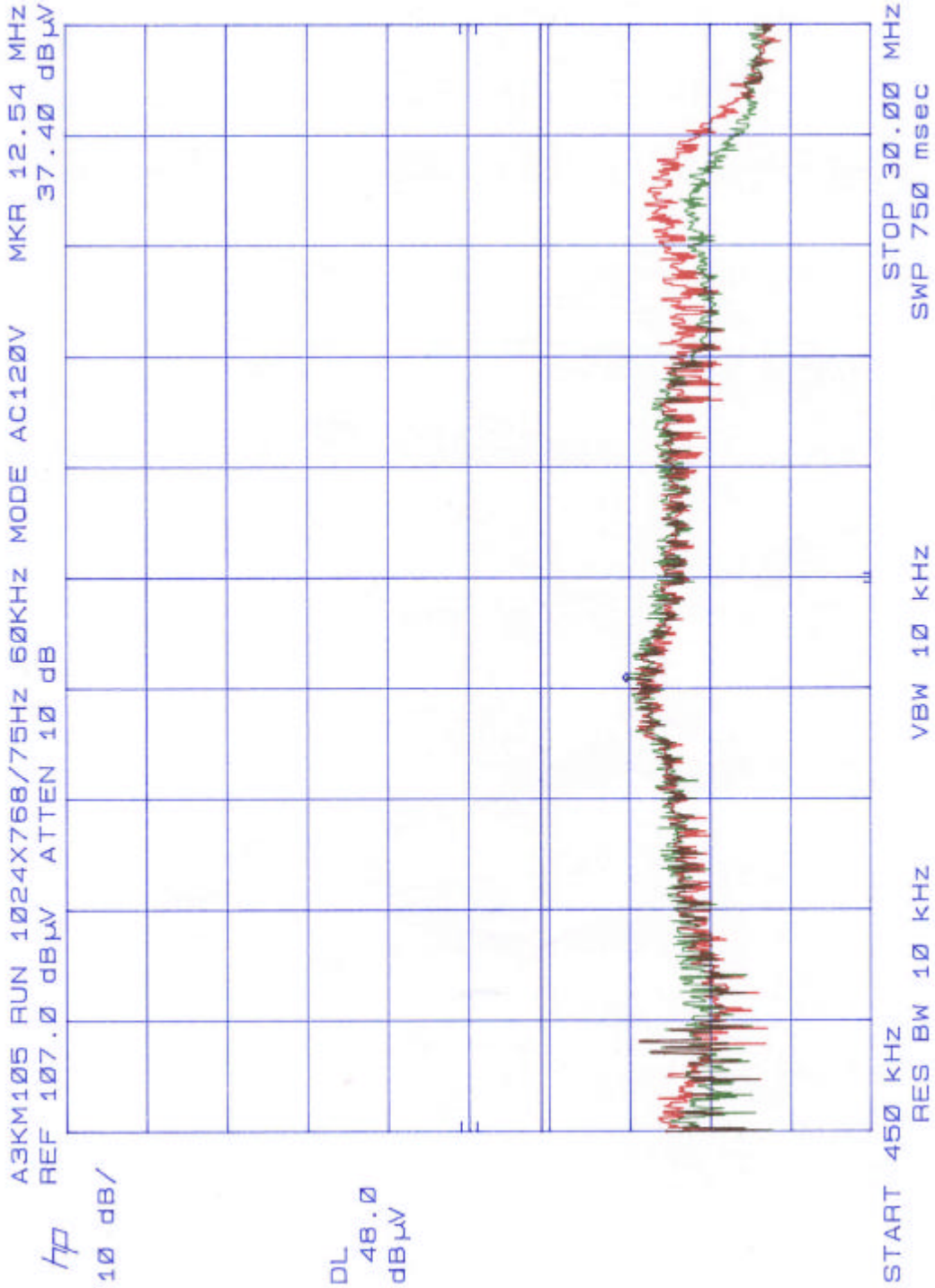
Tested by: C.C.Wu

Checked by: K.J.Hsu

EMI Technician

MC Engineer
NVLAP Signatory





FCC TEST REPORT

Report No. : EMI01-037A

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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 cables (PC-audio in, S-VHS audio and video, AV in and Antenna cable) with dummy loads were used.

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)
31.03	28.46	33.66	40.0
46.55	28.48	29.08	40.0
54.31	24.44	25.04	40.0
62.06	28.96	26.86	40.0
69.81	29.8	25.3	40.0
114.56	26.2	26.5	43.5

124.01	32.12	31.22	43.5
131.87	27.92	28.62	43.5
139.62	29.4	28.9	43.5
155.12	32.65	32.85	43.5
157.51	29.2	28.6	43.5
162.88	28.59	29.49	43.5
170.65	30.73	32.23	43.5
186.15	31.14	30.34	43.5
201.68	32.1	30.2	43.5
232.68	33.45	34.25	46.0
248.19	38.52	36.72	46.0
263.72	35.06	34.16	46.0
279.21	36.76	35.36	46.0
294.74	35.7	35.1	46.0
341.27	31.48	32.28	46.0
372.29	32.2	33.5	46.0
403.31	31.93	32.33	46.0
454.55	33.52	34.02	46.0

Spectrum Analyzer Setting:

RBW: 100KHz

VBW: 100KHz

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/m) + Cable Loss (dB) + Reading value (dBuV/m)

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