

FCC TEST REPORT

Report No. : EMI01-031
Tested Date: Aug./29/2001

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	: IBM 6634-0AN color monitor s/n: TY0005417
FCC ID	: A3KM101
2. Computer	: IBM Aptiva V66M s/n: 11S8138A
FCC ID	: FCC Logo
3. Keyboard	: IBM KB7993 s/n: 0017954
FCC ID	: FCC Logo
4. Mouse	: IBM 12J3619 s/n: 23-034616
FCC ID	: DZL211120
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 s/n: n/a
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.
93.7KHz mode (1600x1200/75Hz) was tested.
D-sub I/F cable with four ferrite cores was used (two inside).
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)
67.62	24.74	28.84	40.0
112.72	29.08	28.18	43.5
135.24	29.05	27.25	43.5
180.3	28.4	27.3	43.5
225.4	36.6	32.1	46.0

FCC ID: A3KM101

247.95	34.62	33.62	46.0
338.1	31.01	30.31	46.0
405.72	31.77	31.17	46.0
473.34	33.55	31.56	46.0
495.89	34.67	33.97	46.0
540.96	34.46	33.96	46.0
563.51	35.33	34.83	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.

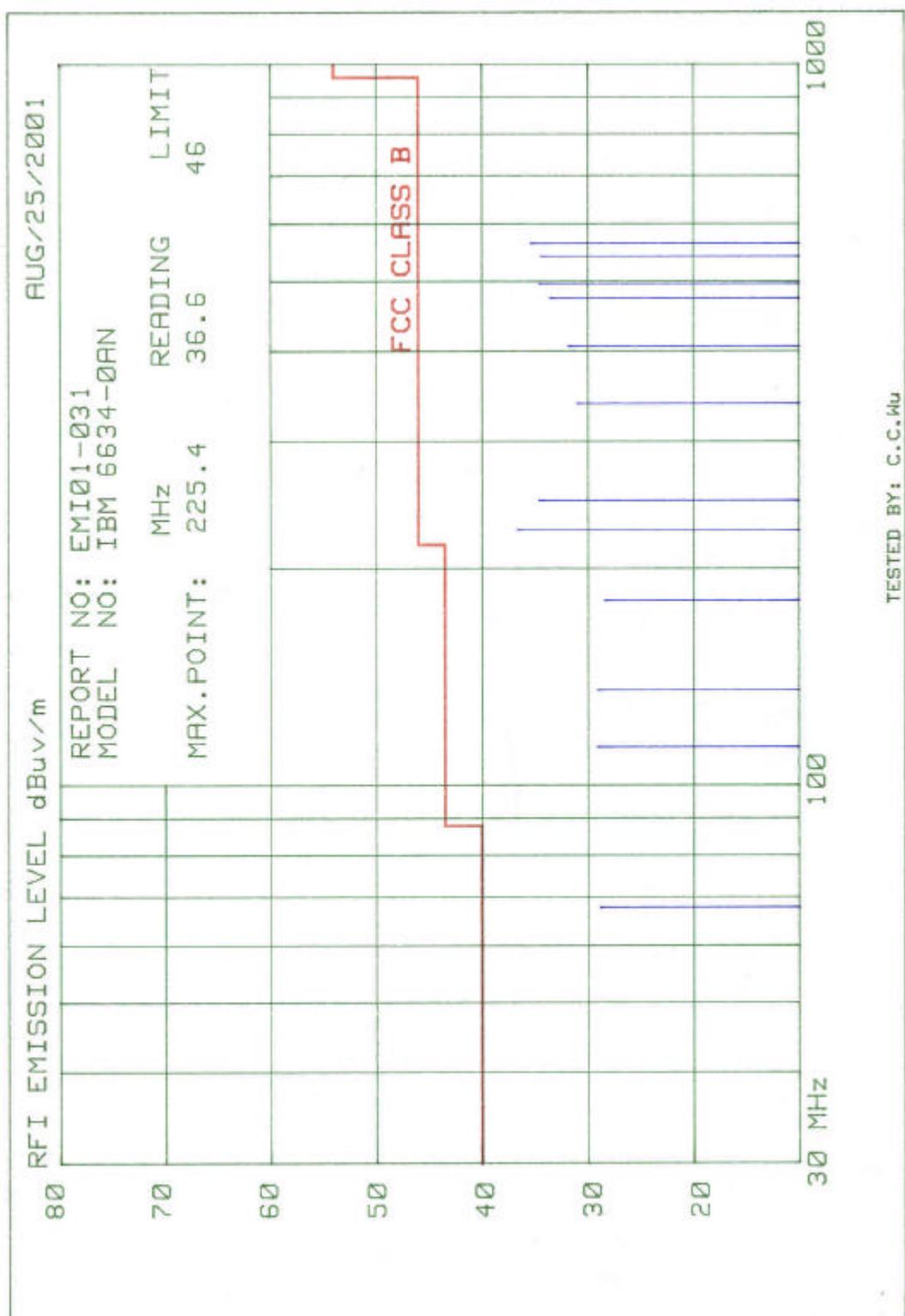
Sample of calculation:

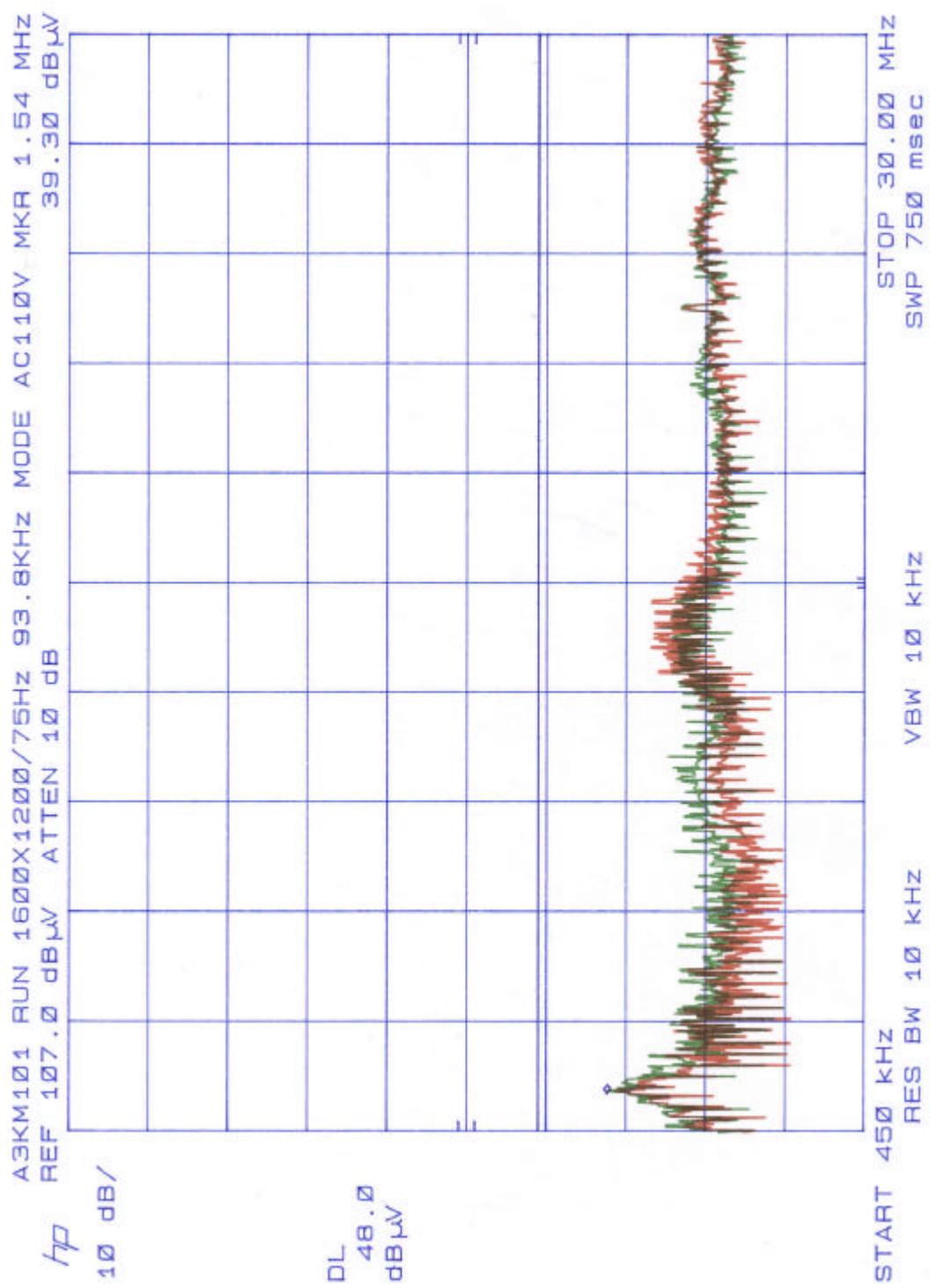
Final value (dB_{UV}/m) = Antenna Factor (dB) + Cable Loss (dB) + Reading value (dB_{UV}/m)

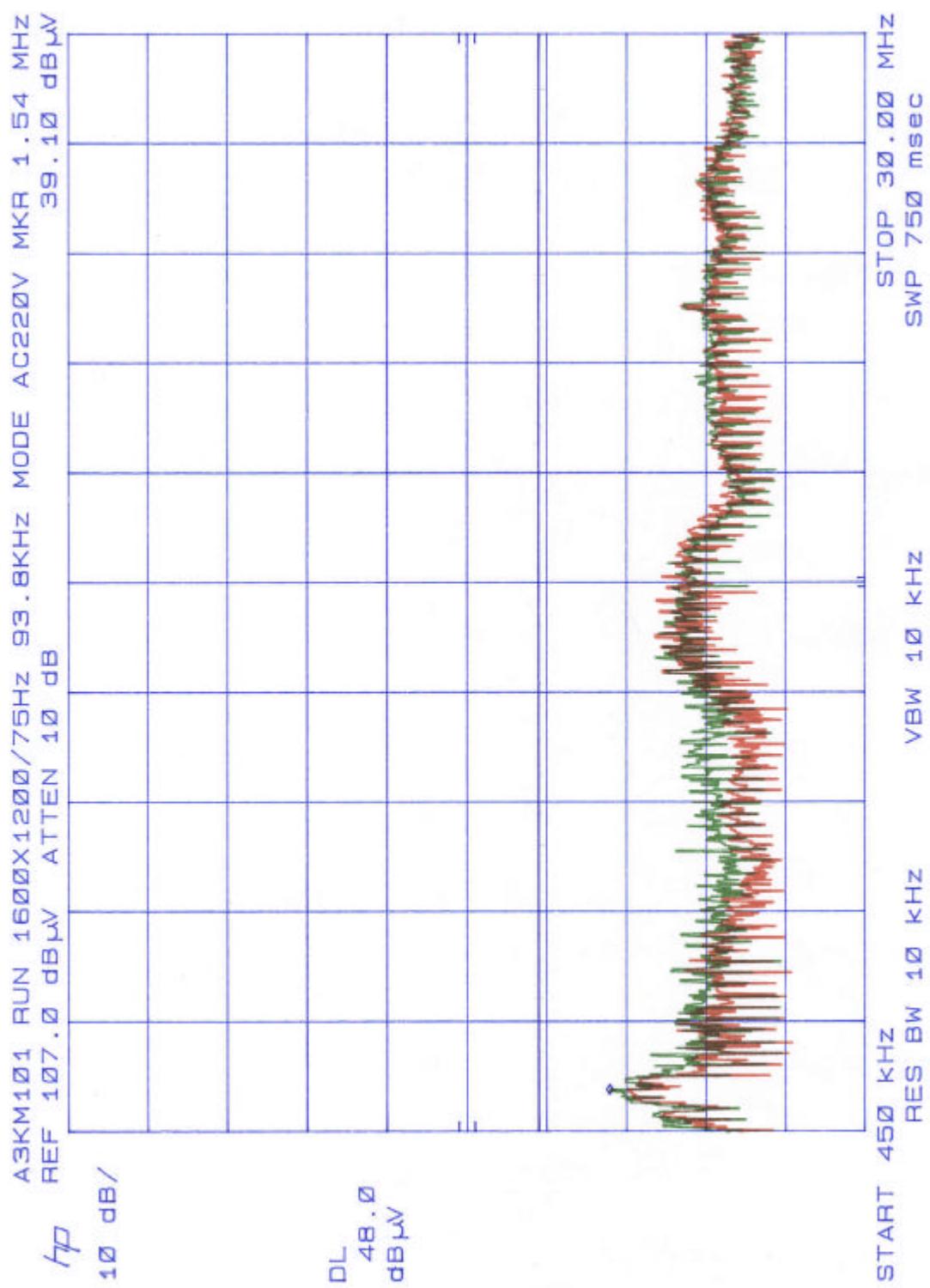
Tested by: C.C.Wu

Checked by: K.J.Hsu

EMC Engineer
NVLAP Signatory







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Monitor was connected to floor mounted AC outlet.
91.1KHz mode (1280x1024/85Hz) was tested.
D-sub I/F cable with four ferrite cores was used (two inside).
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)
52.49	24.02	26.92	40.0
70.0	24.1	25.7	40.0
122.5	26.79	27.49	43.5
140.0	30.7	28.2	43.5
155.05	27.85	28.35	43.5
192.53	28.83	28.63	43.5
245.03	36.7	34.2	46.0
367.54	32.1	31.6	46.0
385.05	31.36	31.56	46.0

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472.56	35.15	36.45	46.0
490.07	33.28	31.58	46.0
525.06	34.3	34.8	46.0
560.07	35.24	35.84	46.0
577.57	35.23	34.63	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 (dB_{uv}/m) = Antenna Factor (dB) + Cable Loss (dB) + Reading value (dB_{uv}/m)

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