

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

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.

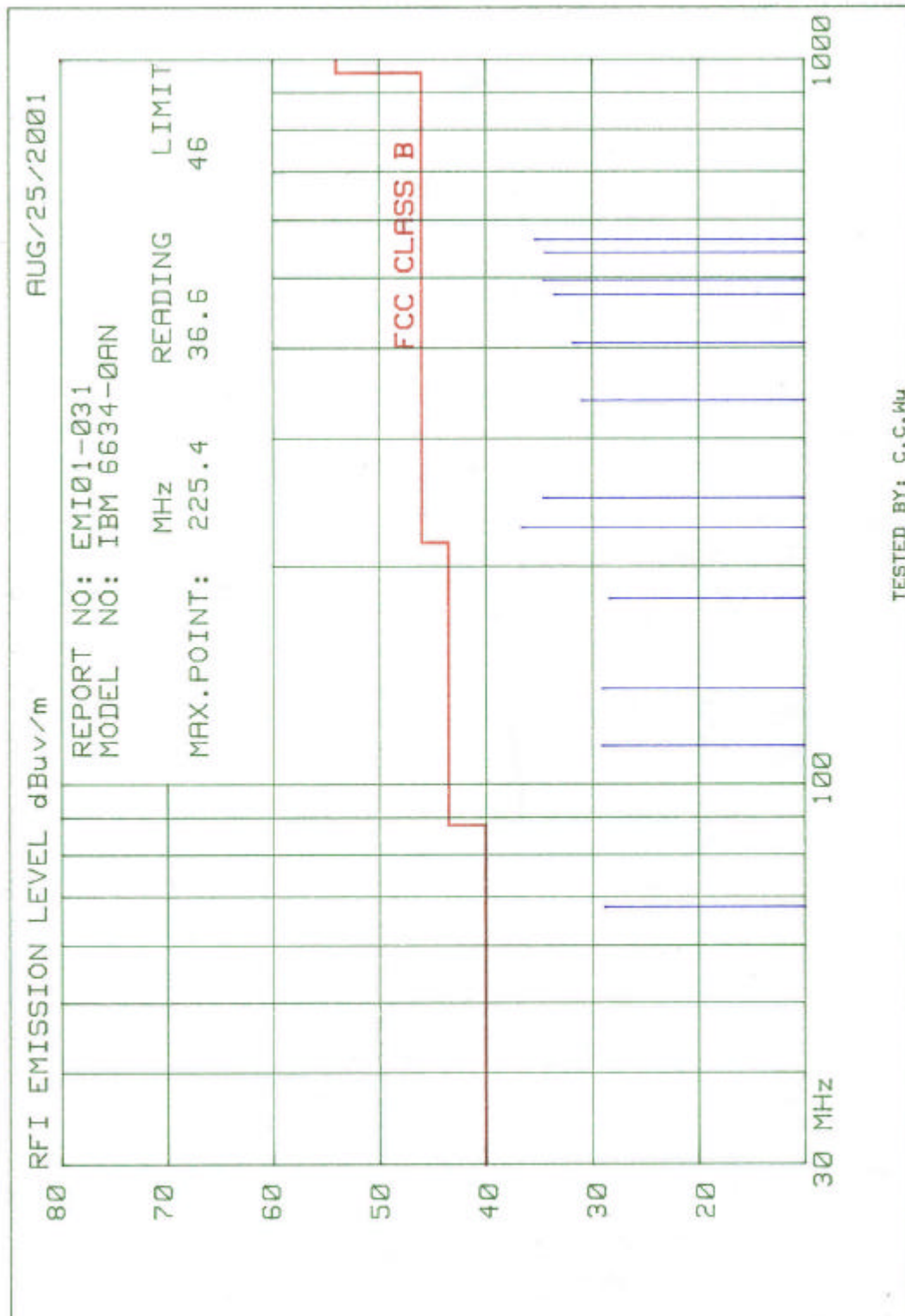
Sample of calculation:

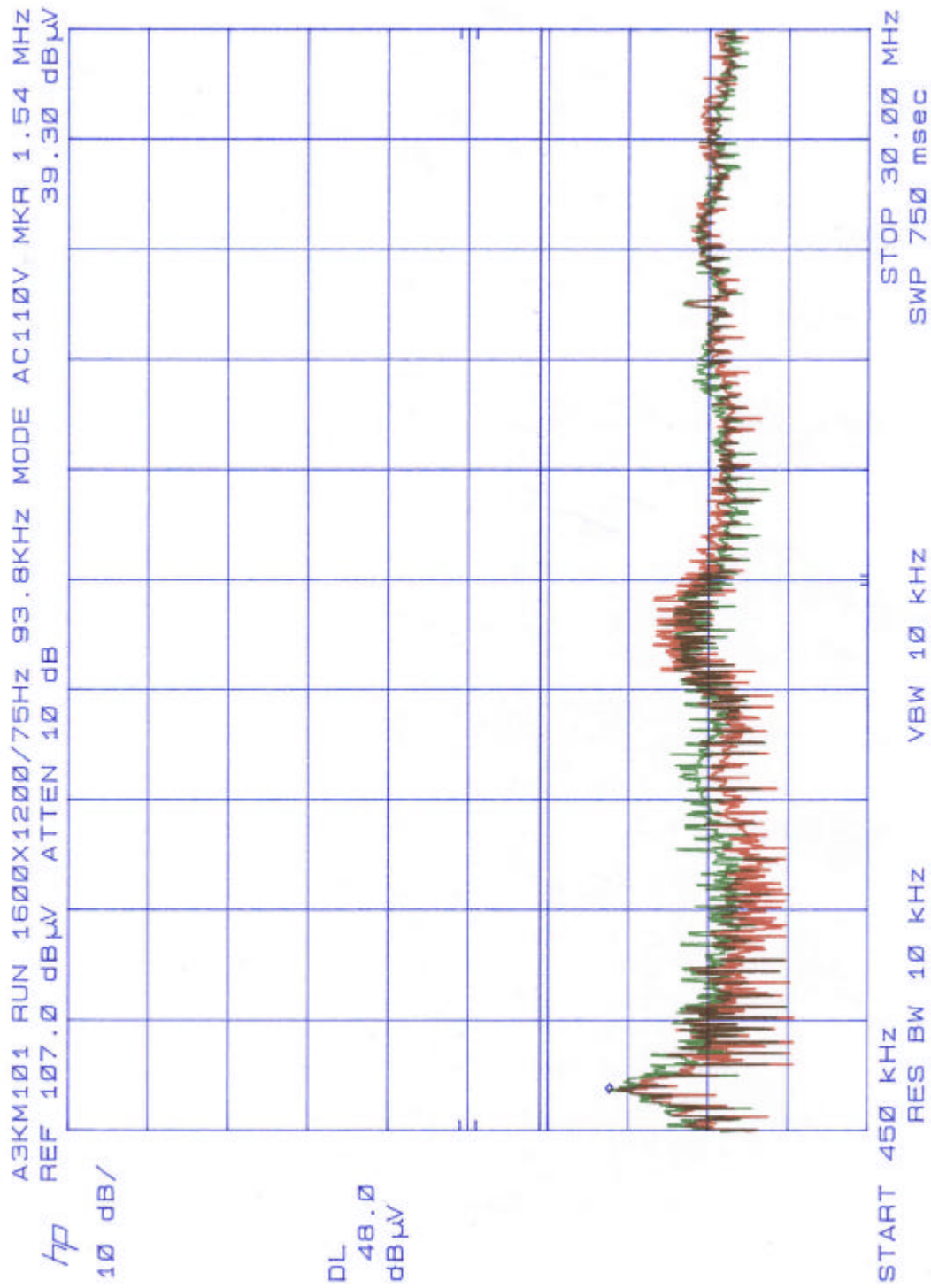
Final value (dBuv/m) = Antenna Factor (dB) + Cable Loss (dB) + Reading value (dBuv/m)

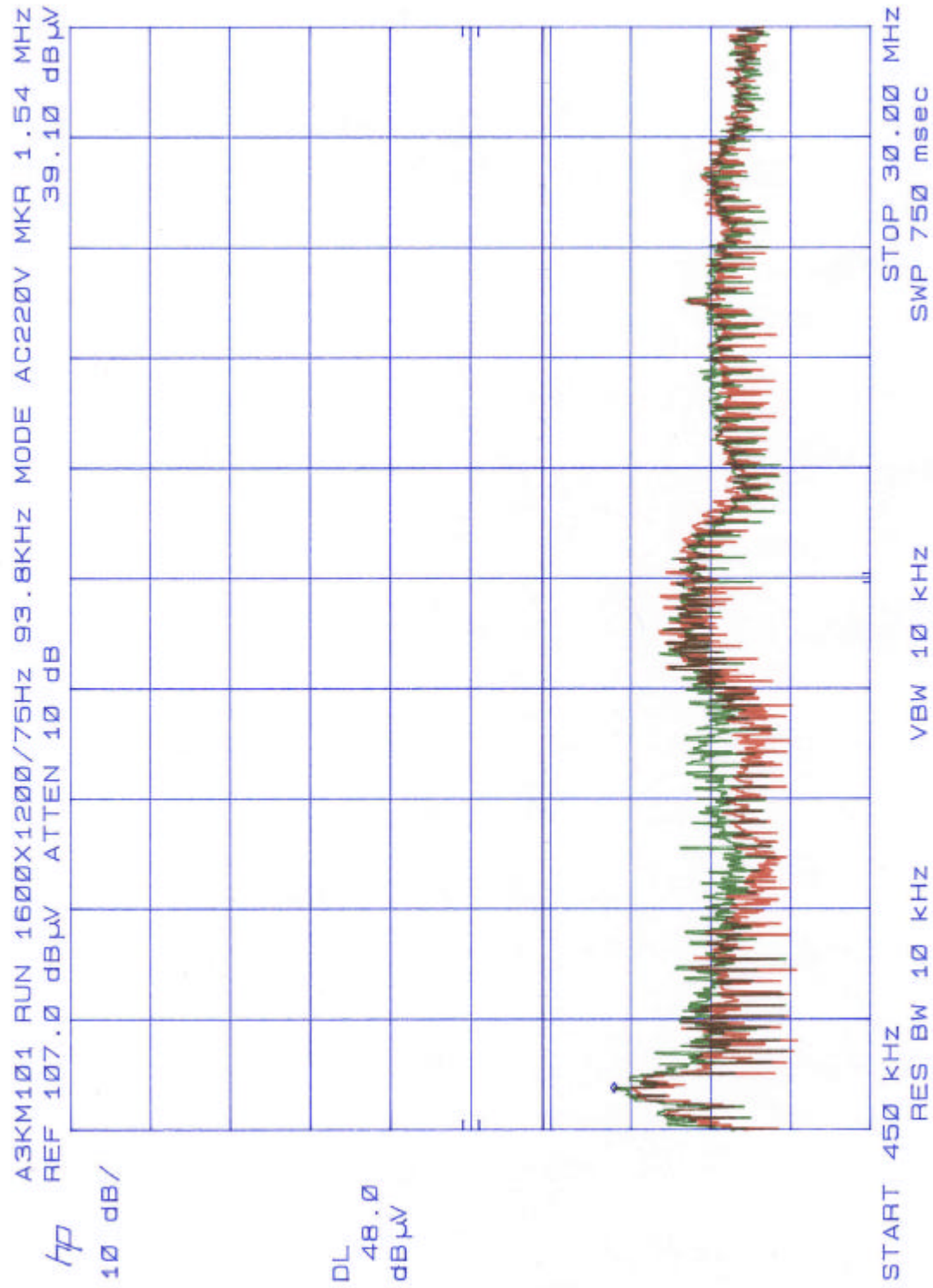
Tested by: C.C.Wu

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

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

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