

FCC TEST REPORT

Report No. : EMI00-029
 Tested Date: July/19/2000

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 : 107B20 color monitor s/n: TY004029
 FCC ID : A3KM090
- 2. Computer : IBM 6588-120 s/n: 556N59M
 FCC ID : FCC Logo
- 3. Keyboard : IBM 7993 s/n: 10017954
 FCC ID : FCC Logo
- 4. Mouse : IBM 12J3619 s/n: 23-034616
 FCC ID : FCC Logo
- 5. Modem : USRobotics 268 s/n: 002680559278575
 FCC ID : CJE-0318
- 6. Printer : HP2225C s/n: 3123S97227
 FCC ID : DSI6XU2225
- 7. Video Card : ATI 3D RAGE s/n: 12647
 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.
 91.1KHz mode (1280x1024/85Hz) was tested.
 D-sub I/F cable with three ferrite cores was used.
 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)
118.15	31.18	33.58	43.5
129.03	32.07	28.17	43.5

132.02	33.82	30.32	43.5
135.02	31.05	29.16	43.5
157.53	35.8	32.4	43.5
159.02	27.45	29.25	43.5
171.02	28.13	28.63	43.5
195.03	29.35	29.05	43.5
256.0	36.9	33.6	46.0
265.46	35.0	34.1	46.0
295.37	37.8	35.6	46.0
315.06	39.66	36.26	46.0
354.43	35.7	33.1	46.0
393.81	32.98	32.68	46.0
433.19	33.19	33.59	46.0
472.58	36.65	36.95	46.0
551.35	35.42	36.12	46.0
590.73	37.59	37.09	46.0
630.11	36.0	36.2	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 – OP Value

Frequency (MHz)	Horizontal (dBuV/m)	Vertical (dBuV/m)	FCC/B Limit (dBuV/m)
39.38	29.44	33.64	40.0
236.3	42.9	37.2	46.0
275.68	41.84	36.14	46.0

The spectrum was scanned from 30 to 1000MHz and the significant emissions were recorded.
Test distance between device under test and receiving antenna was 3-meter.

Sample of calculation:

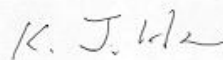
Final value (dBuV/m) = Antenna Factor (dB) + Cable Loss (dBuV) + Reading (dBuV/m)

Tested By:

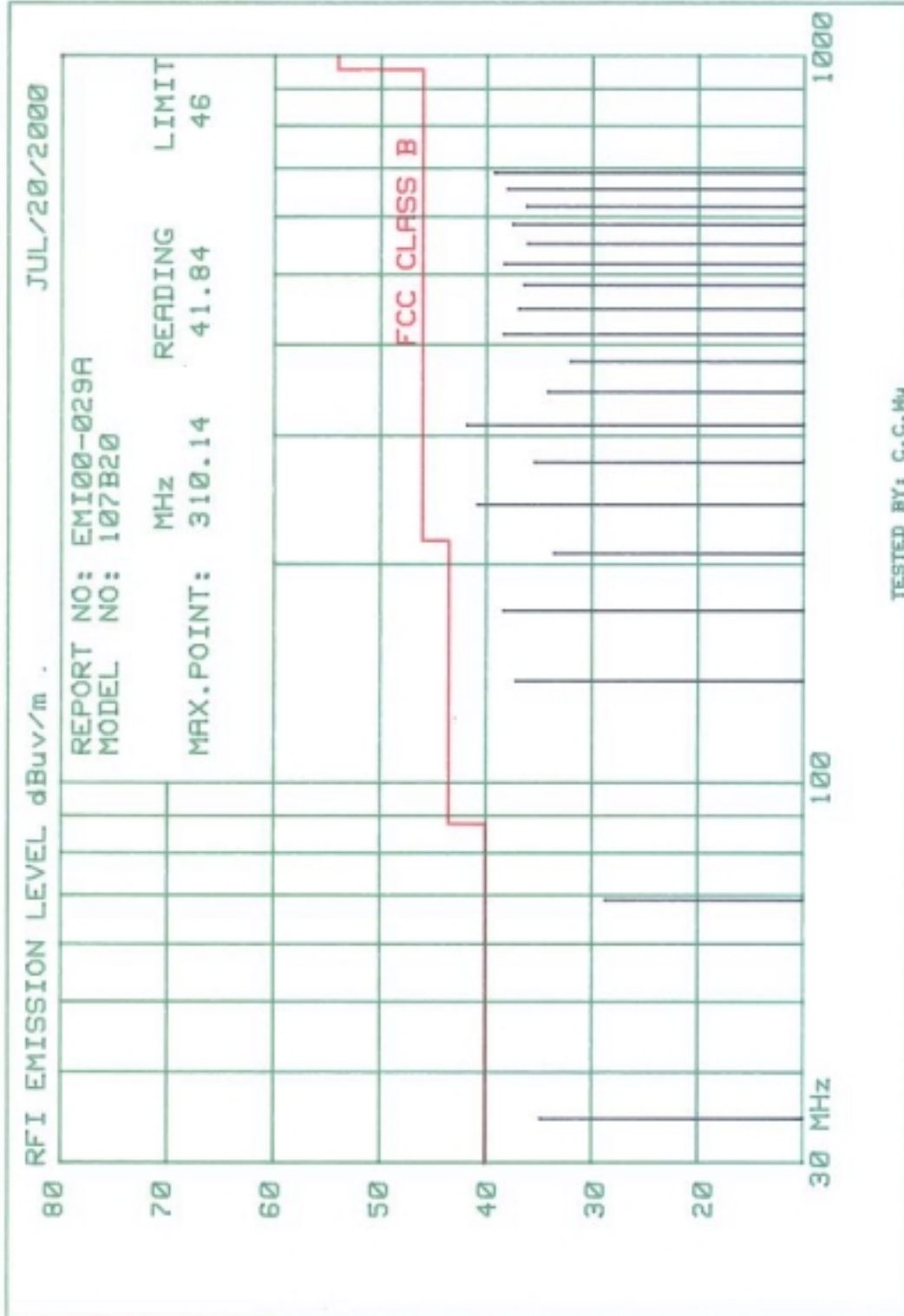


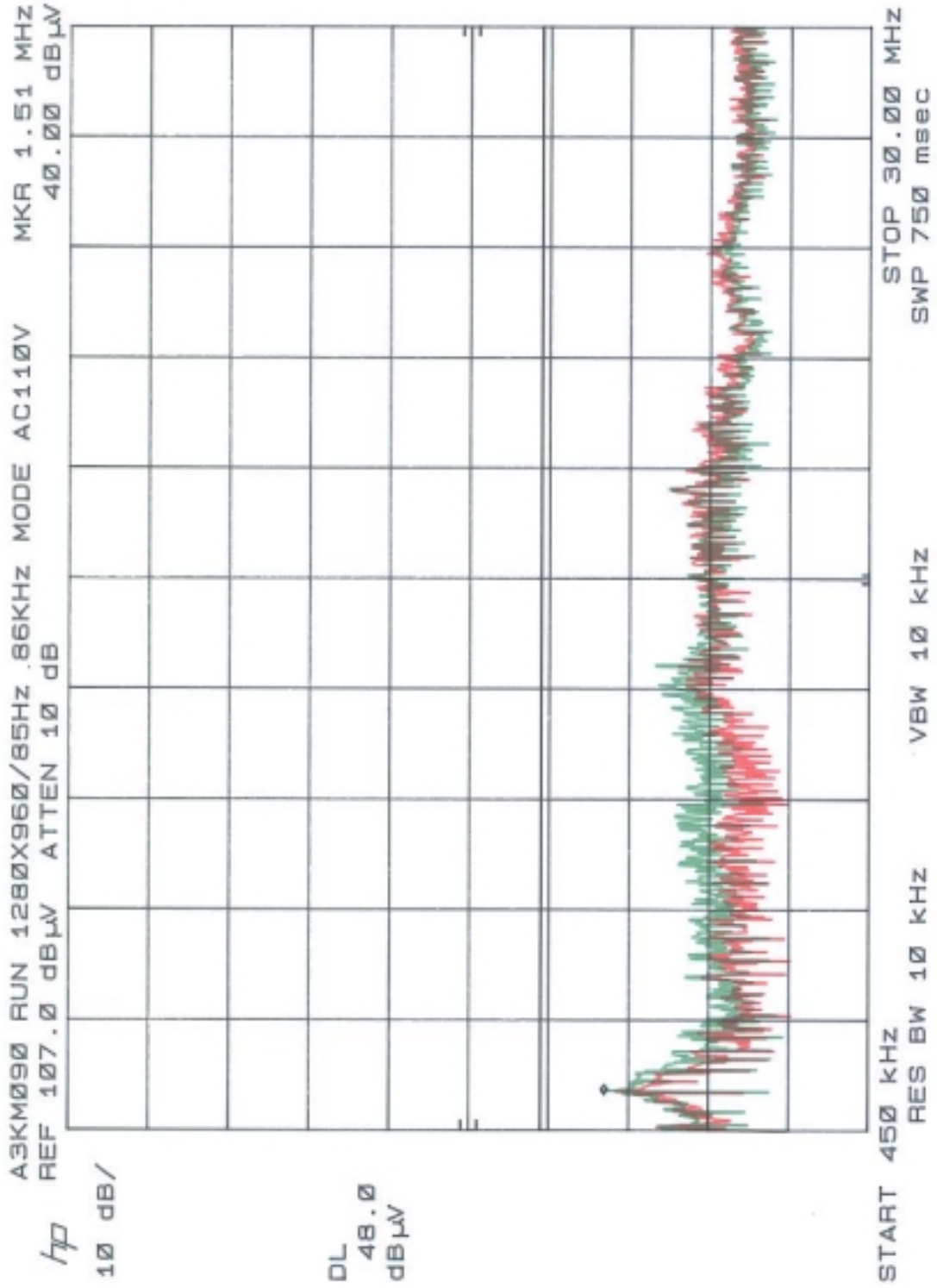
C.C.Wu

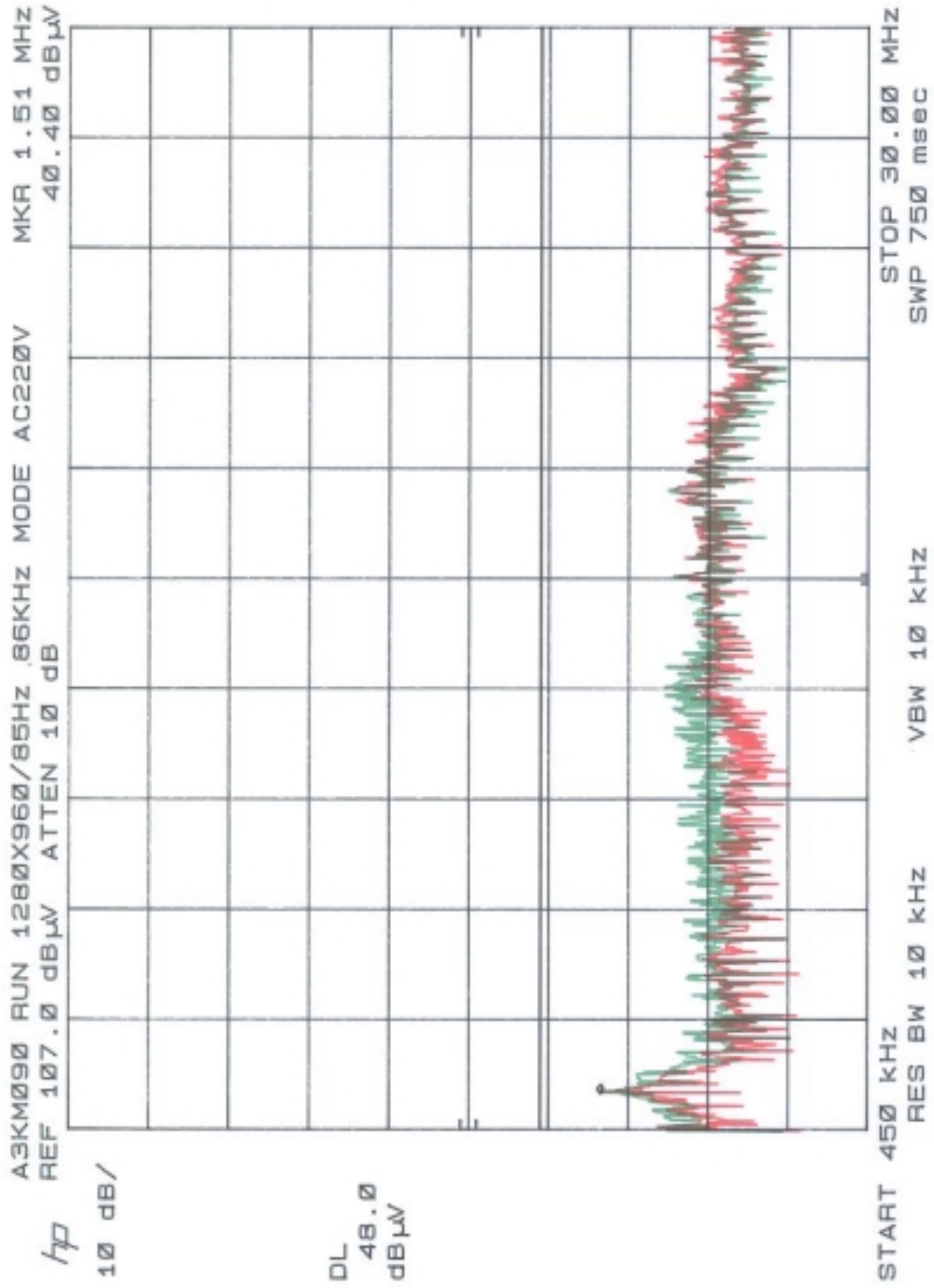
Checked By:



K.J.Hsu – EMC Engineer
NVLAP Signatory







FCC TEST REPORT

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86.0KHz mode (1280x960/85Hz) was tested.

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

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)
68.92	28.67	28.27	40.0
137.84	32.38	37.18	43.5

206.76	33.6	ambient	43.5
275.68	35.04	35.44	46.0
344.6	34.18	33.58	46.0
413.52	37.56	38.36	46.0
447.98	36.95	35.85	46.0
483.44	36.456	35.86	46.0
516.9	38.33	37.93	46.0
551.36	34.82	36.12	46.0
585.82	37.53	37.13	46.0
620.28	35.84	36.24	46.0
654.74	37.14	38.04	46.0
689.2	39.23	38.43	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 – OP Value

Frequency (MHz)	Horizontal (dBuv/m)	Vertical (dBuv/m)	FCC/B Limit (dBuv/m)
34.46	28.04	34.84	40.0
172.3	38.36	34.16	43.5
241.22	40.54	35.44	46.0
310.14	41.84	37.34	46.0

The spectrum was scanned from 30 to 1000MHz and the significant emissions were recorded.
Test distance between device under test and receiving antenna was 3-meter.

Sample of calculation:

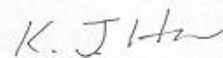
Final value (dBuv/m) = Antenna Factor (dB) + Cable Loss (dBuv) + Reading (dBuv/m)

Tested By:



C.C.Wu

Checked By:



K.J.Hsu – EMC Engineer
NVLAP Signatory

