

FCC TEST REPORT

Report No. : EMI00-030

Tested Date: July/23/00

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 : 150X1 LCD color monitor s/n: TY0004030
FCC ID : A3KM076
2. Computer : IBM V66M s/n: 1158-138A0
FCC ID : FCC Logo
3. Keyboard : IBM KB-7959 s/n: 10422
FCC ID : FCC Logo
4. Mouse : IBM M-S34 s/n: 457249
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 256 AGP s/n: --
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.

DVI I/F cable with four ferrite cores was used.

Audio input cable with one ferrite core was used.

Audio output cable with one ferrite core 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)
64.98	24.15	26.25	40.0
117.15	31.92	35.92	43.5
133.86	30.54	28.24	43.5
157.5	30.6	28.3	43.5
167.33	32.51	28.81	43.5
271.27	36.24	35.14	46.0
334.71	35.04	35.84	46.0

FCC ID: A3KM095

344.56	37.68	35.78	46.0
383.94	39.32	36.42	46.0
393.78	37.78	38.48	46.0
423.31	37.37	36.17	46.0
433.15	37.79	39.39	46.0
452.84	39.47	39.27	46.0
551.3	36.42	39.62	46.0
623.51	39.06	39.86	46.0
964.77	43.74	41.34	54.0

Spectrum Analyzer Setting:

RBW: 100KHz

VBW: 100KHz

Quasi-peak Values were taken with Rohde & Schwarz ESVS 30 EMI Test receiver.

Radiated RF Level – Quasi-Peak Value

Frequency (MHz)	Horizontal (dBuV/m)	Vertical (dBuV/m)	FCC/B Limit (dBuV/m)
236.26	39.8	38.5	46.0
255.96	40.8	35.5	46.0
265.81	40.94	33.54	46.0
275.65	40.74	37.34	46.0
295.34	38.6	37.9	46.0
315.02	38.66	35.66	46.0
374.09	43.4	42.0	46.0
413.47	43.85	39.65	46.0
492.22	35.34	38.94	46.0
570.98	38.8	40.9	46.0
610.37	39.72	40.72	46.0
612.0	36.88	38.08	46.0
630.06	39.1	40.3	46.0
669.42	38.49	39.29	46.0
708.81	41.06	42.16	46.0
719.42	37.02	39.02	46.0
748.17	37.82	37.84	46.0
787.57	38.08	35.8	46.0
815.35	37.34	36.34	46.0
826.94	39.33	39.83	46.0
866.32	42.38	40.18	46.0
911.27	39.44	37.84	46.0
925.39	44.3	38.6	46.0
997.61	44.26	38.56	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:

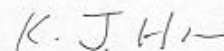
Final value (dBuV/m) = Antenna Factor (dB) + Cable Loss (dB) + Reading value (dBuV/m)

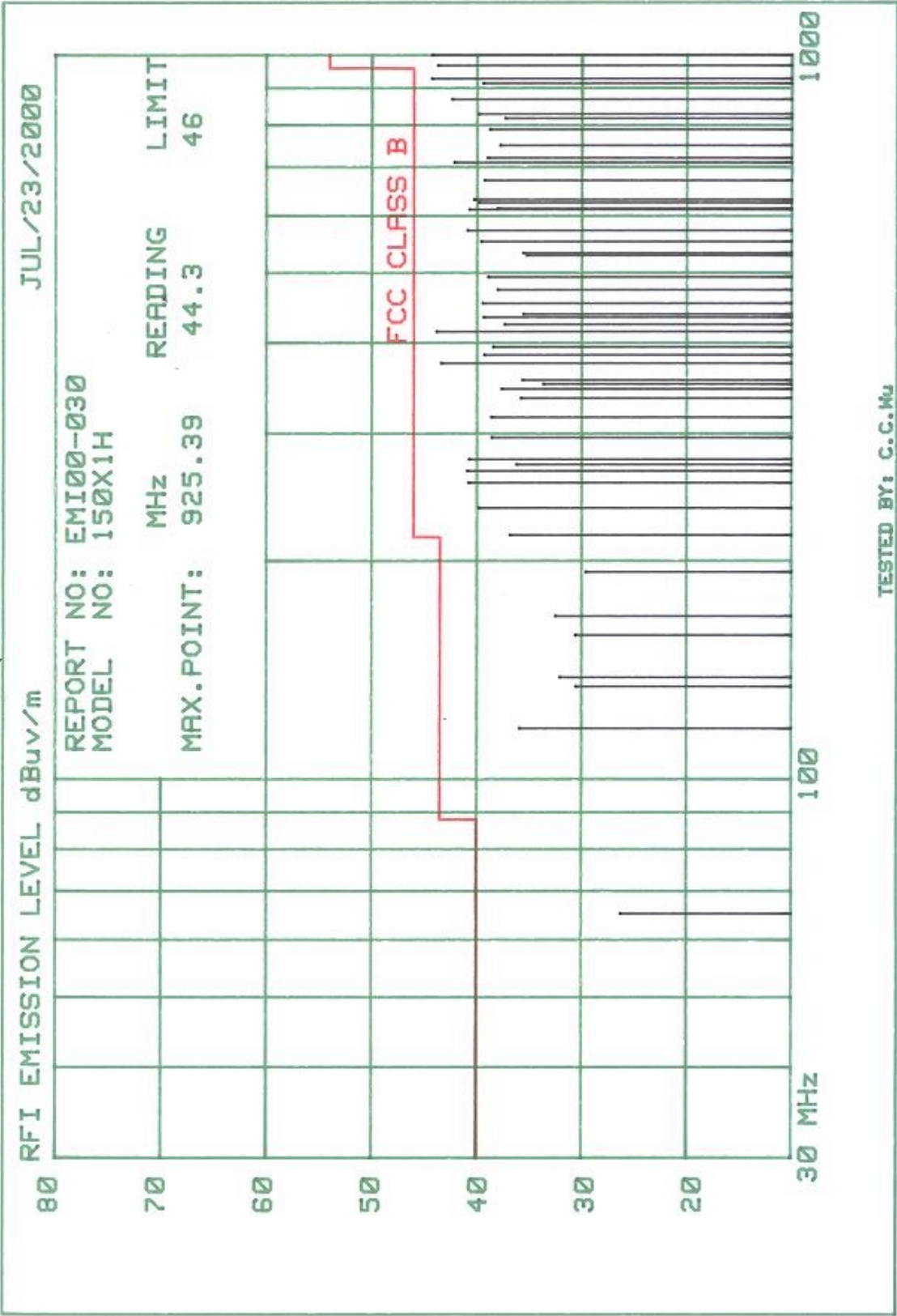
Tested by:

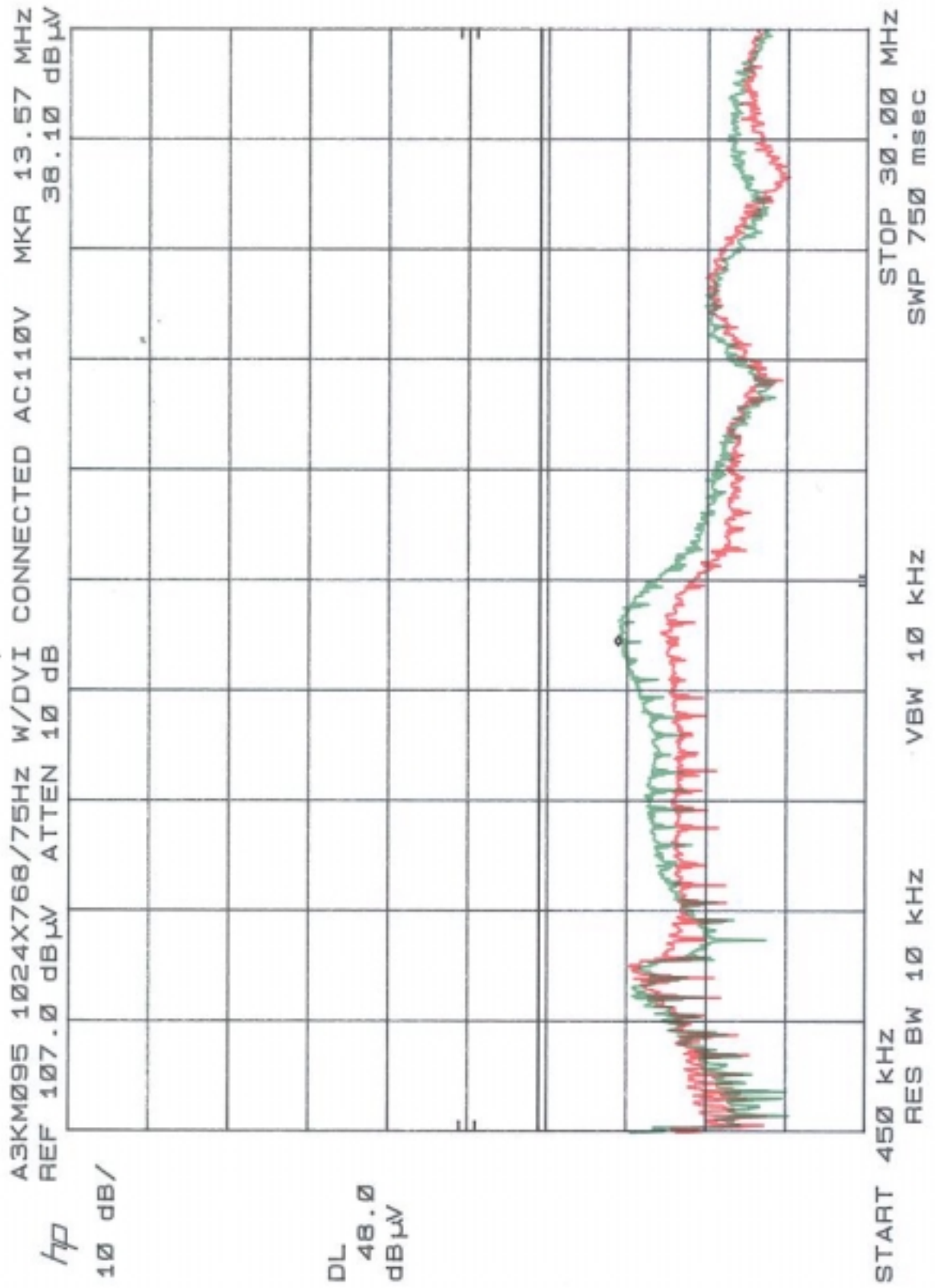


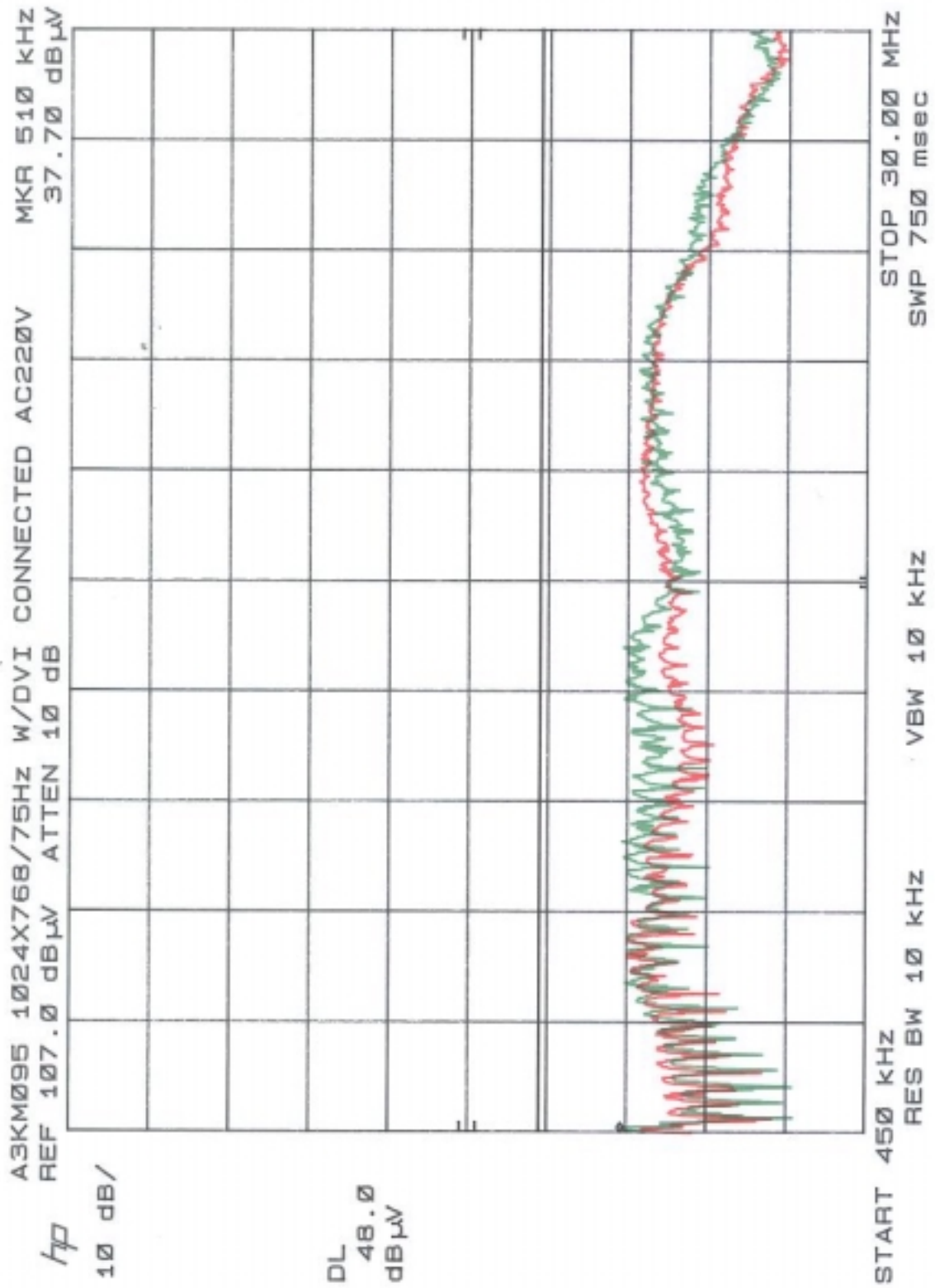
C.C.Wu

Checked by:

K.J.Hsu – EMC Engineer
NVLAP Signatory







FCC TEST REPORT

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Manufacturer : Philips Business Electronics

Tested System:

- 1. EUT : 150X1 LCD color monitor s/n: TY0004030
FCC ID : A3KM076
- 2. Computer : IBM V66M s/n: 1158-138A0
FCC ID : FCC Logo
- 3. Keyboard : IBM KB-7959 s/n: 10422
FCC ID : FCC Logo
- 4. Mouse : IBM M-S34 s/n: 457249
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 256 AGP s/n: --
FCC ID : FCC Logo

Note: Test was performed in according with FCC measurement procedure ANSI C63.4-1992
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Monitor was connected to floor mounted AC outlet.

60.0KHz mode (1024X768/75Hz) was tested.

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

Audio input cable with one ferrite core was used.

Audio output cable with one ferrite core 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)
117.15	30.72	33.42	43.5
133.86	30.04	27.64	43.5
167.33	31.31	27.81	43.5
217.56	34.64	34.94	46.0
251.02	36.15	30.84	46.0
317.95	30.57	29.77	46.0
334.7	31.54	30.84	46.0

339.98	32.66	31.36	46.0
374.09	33.3	31.6	46.0
393.78	31.48	31.18	46.0
413.46	36.55	33.35	46.0
452.84	36.72	ambient	46.0
472.53	36.67	33.15	46.0
492.22	34.14	33.04	46.0
551.3	35.32	35.12	46.0
570.98	34.9	34.4	46.0
630.06	36.0	36.5	46.0
787.57	39.1	38.9	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 – Ouasi-Peak Value

Frequency (MHz)	Horizontal (dBuv/m)	Vertical (dBuv/m)	FCC/B Limit (dBuv/m)
612.0	35.28	38.88	46.0
708.81	38.06	41.36	46.0
886.32	39.38	39.18	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:

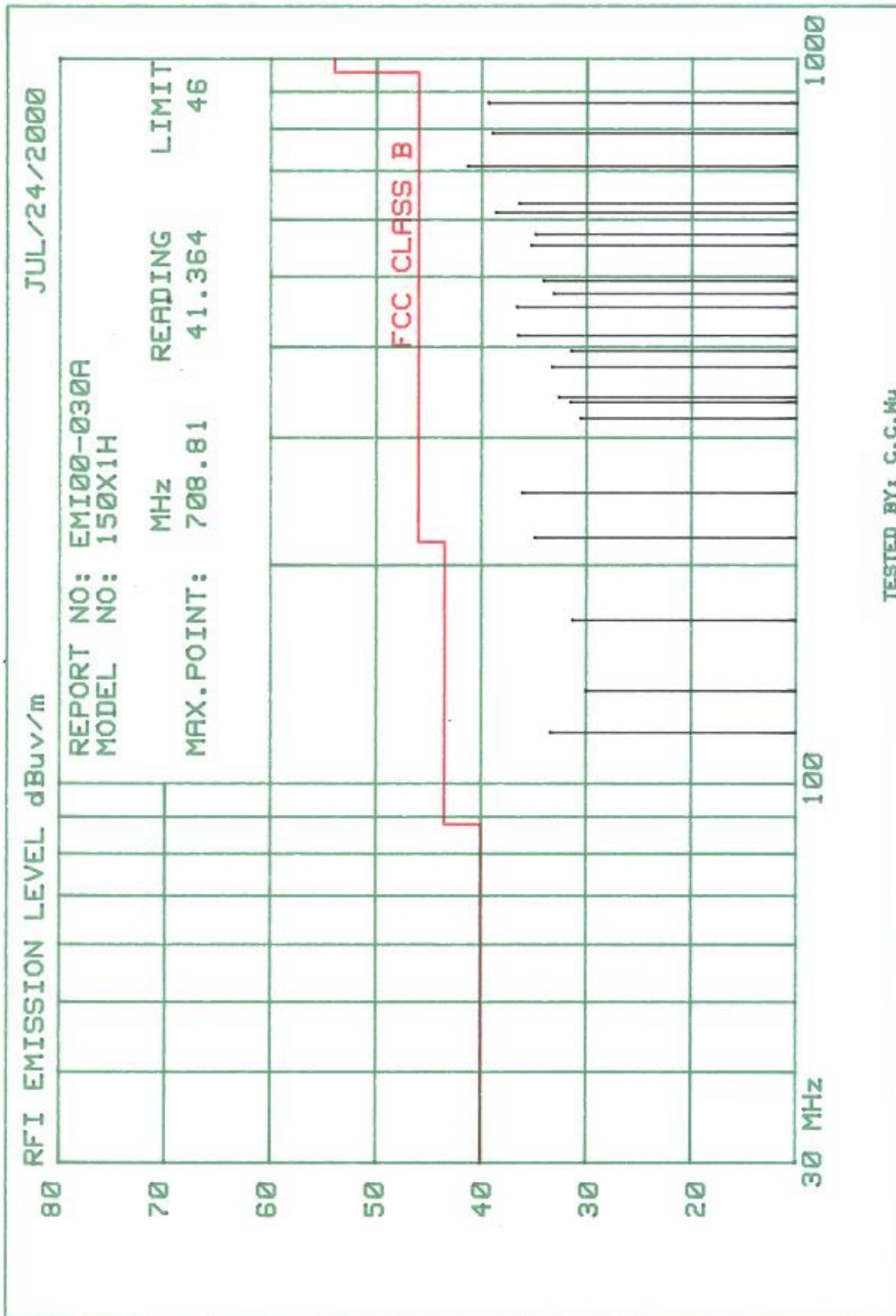
Final value (dBuv/m) = Antenna Factor (dB) + Cable Loss (dB) + Reading value (dBuv/m)

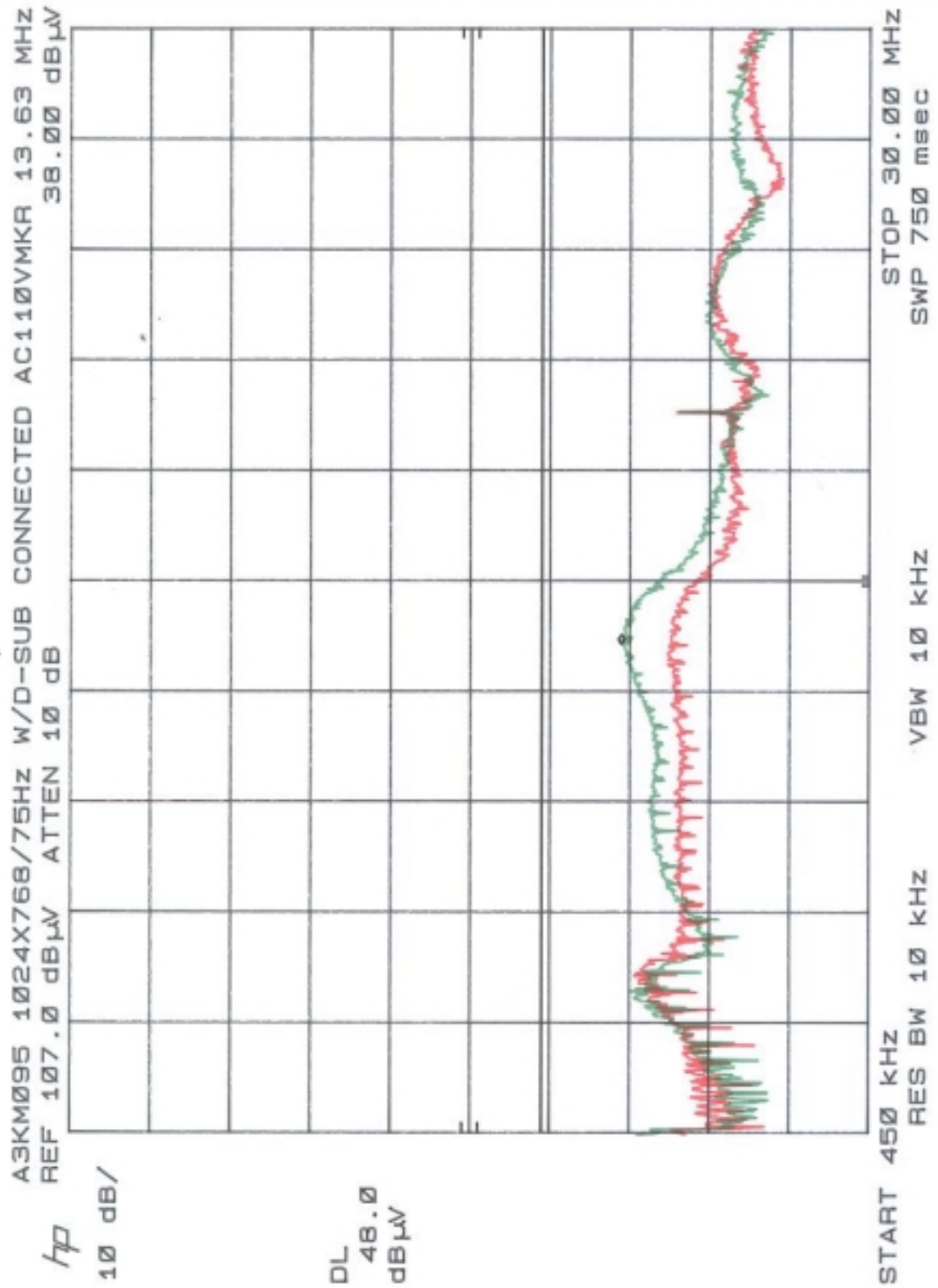
Tested by:

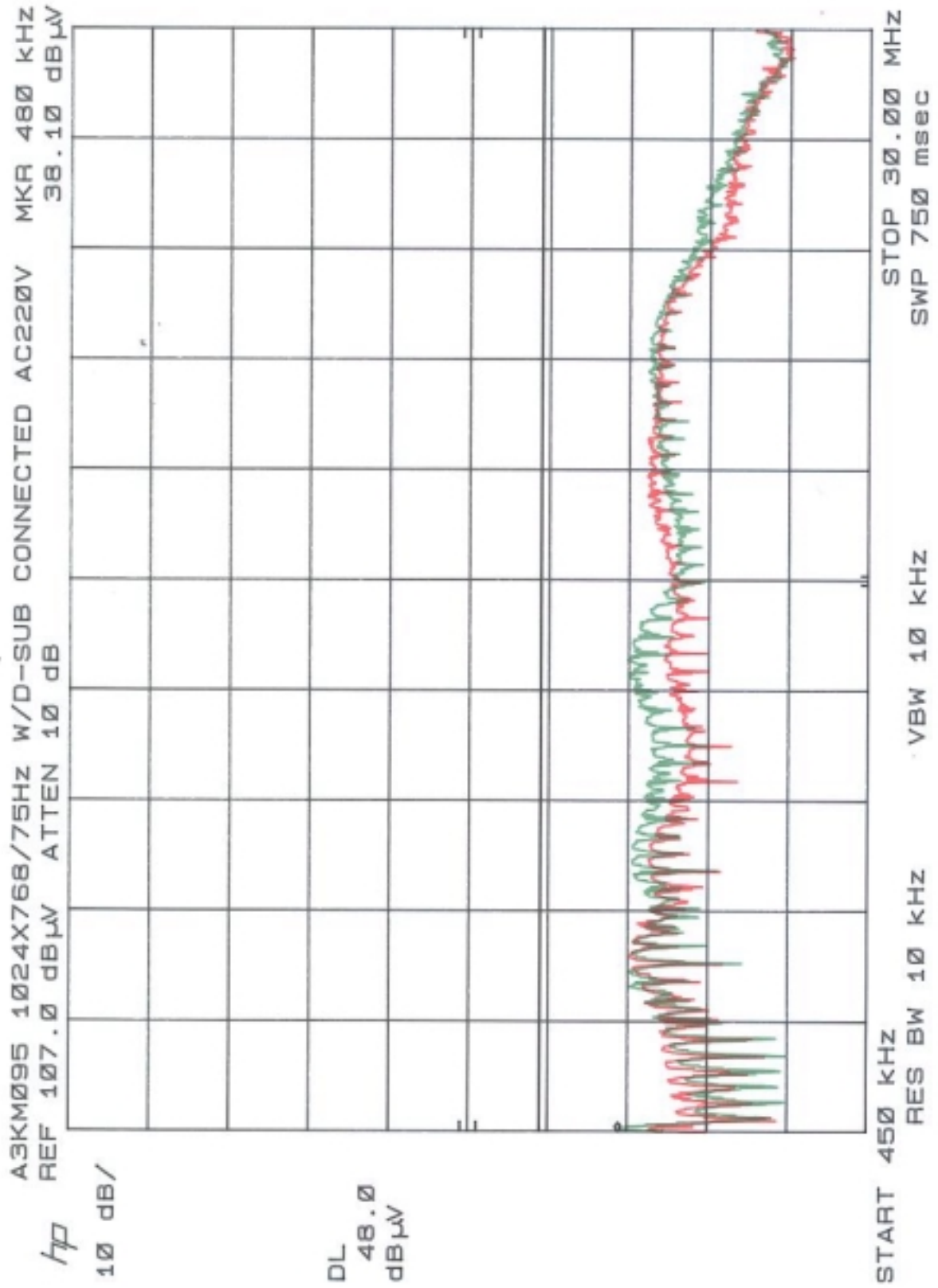
C.C.Wu

Checked by:

K.J.Hsu – EMC Engineer
NVLAP Signatory







FCC TEST REPORT

Report No. : EMI00-030B

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 FCC ID : FCC Logo
3. Keyboard : IBM KB-7959 s/n: 10422
 FCC ID : FCC Logo
4. Mouse : IBM M-S34 s/n: 457249
 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 256 AGP s/n: --
 FCC ID : FCC Logo

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.

DVI I/F cable with four ferrite cores was used.

Audio input cable with one ferrite core was used.

Audio output cable with one ferrite core 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 (dB μ v/m)	Vertical (dB μ v/m)	FCC/B Limit (dB μ v/m)
117.15	31.62	35.52	43.5
133.86	28.34	26.84	43.5
166.39	30.78	27.88	43.5
184.14	30.16	30.36	43.5
216.27	32.98	ambient	46.0
251.02	36.65	33.55	46.0
317.95	30.27	31.07	46.0
323.71	29.89	31.89	46.0

FCC ID: A3KM095

334.7	30.94	31.34	46.0
340.0	31.56	30.96	46.0
373.69	32.7	30.9	46.0
386.6	32.83	33.43	46.0
406.17	34.67	32.27	46.0
438.67	33.13	36.23	46.0
454.9	33.92	34.62	46.0
576.12	35.61	35.63	46.0
664.4	39.25	39.05	46.0
974.82	43.9	42.4	54.0

Spectrum Analyzer Setting:

RBW: 100KHz

VBW: 100KHz

Quasi-peak Values were taken with Rohde & Schwarz ESVS 30 EMI Test receiver.

Radiated RF Level – Quasi-Peak Value

Frequency (MHz)	Horizontal (dBuV/m)	Vertical (dBuV/m)	FCC/B Limit (dBuV/m)
612.0	36.88	38.48	46.0
714.85	37.64	39.54	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:

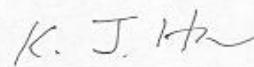
Final value (dBuV/m) = Antenna Factor (dB) + Cable Loss (dB) + Reading value (dBuV/m)

Tested by:



C.C.Wu

Checked by:

K.J.Hsu – EMC Engineer
NVLAP Signatory

