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 : USRoboties 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.

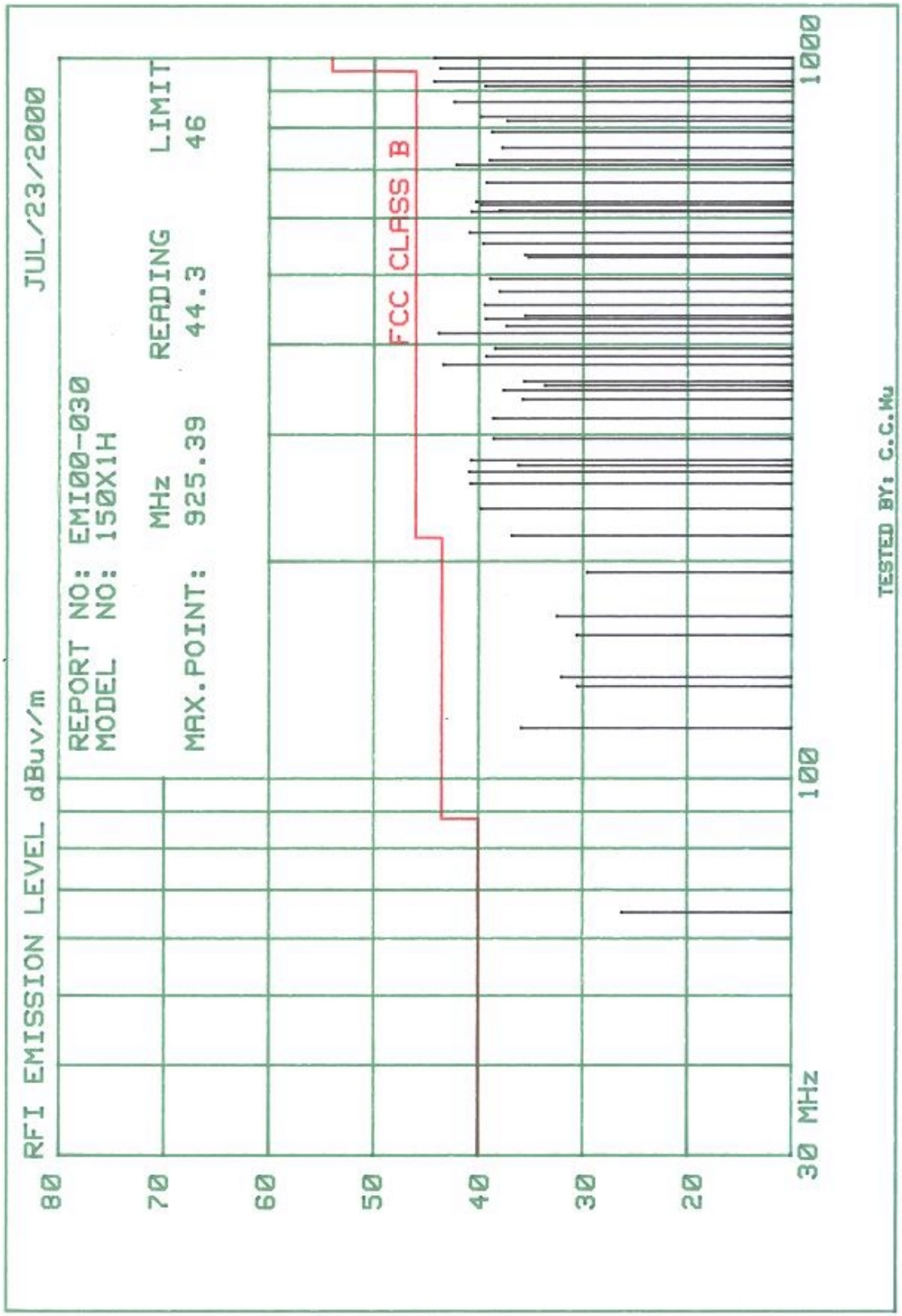
Radiated RF Level – Quasi-Peak Value

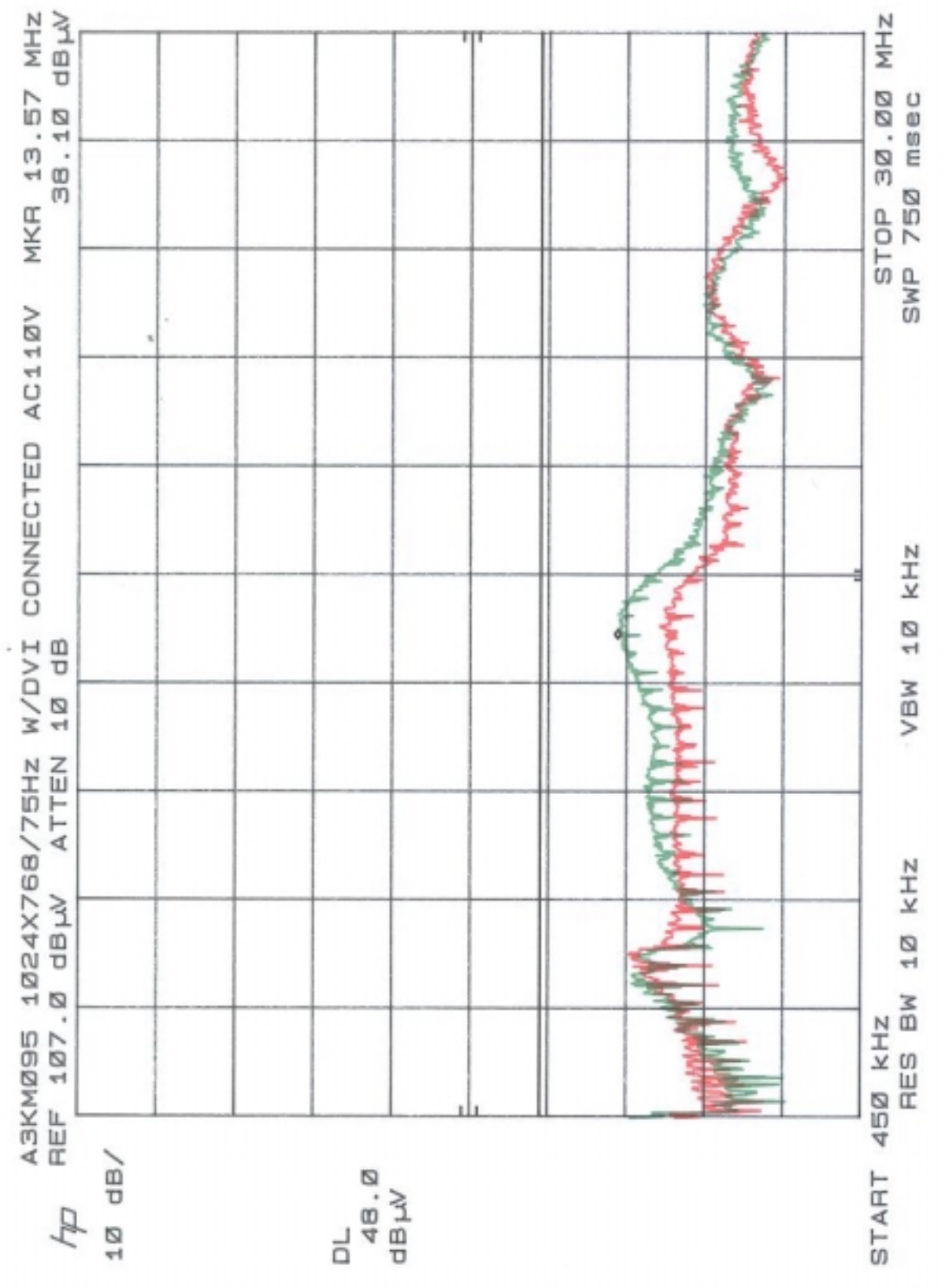
Frequency (MHz)	Horizontal (dBuv/m)	Vertical (dBuv/m)	FCC/B Limit (dBuv/m)
236.26	39.8	38.5	46.0
255.96	40.8	35.5	46.0
265.81	40.94	33.54	46.0
275.65	40.74	37.34	46.0
295.34	38.6	37.9	46.0
315.02	38.66	35.66	46.0
374.09	43.4	42.0	46.0
413.47	43.85	39.65	46.0
492.22	35.34	38.94	46.0
570.98	38.8	40.9	46.0
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

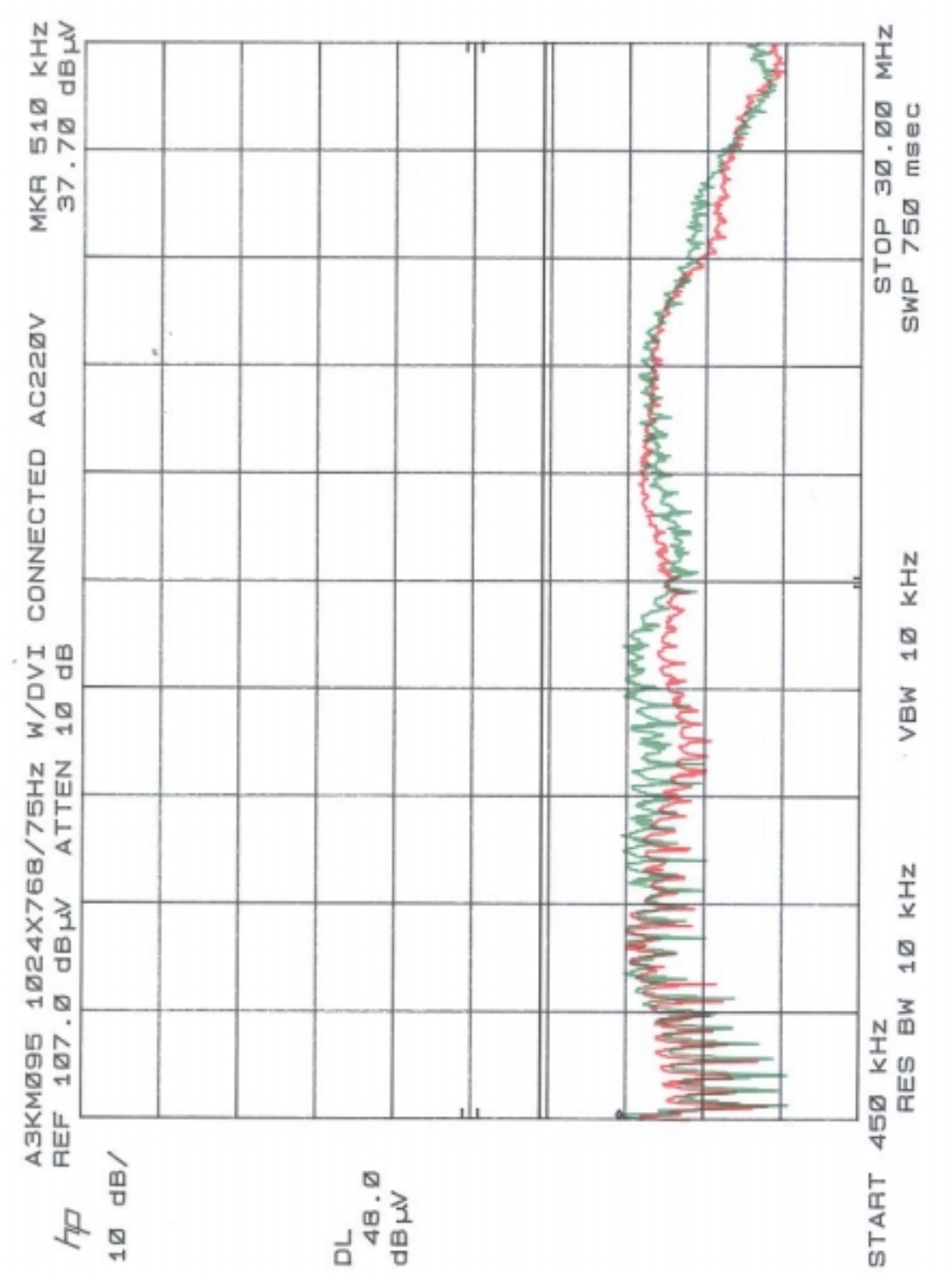
The spectrum was scanned from 30MHz to 1000MHz and the significant emissions were recorded.
Test distance between device under test and receiving antenna was 3-meter.
Sample of calculation:
Final value (dBuv/m) = Antenna Factor (dB) + Cable Loss (dB) + Reading value (dBuv/m)

Tested by: C.C.Wu

Checked by: K.J.Hsu – EMC Engineer
NVLAP Signatory


RFI EMISSION LEVEL dBuv/m
JUL/23/2000
REPORT NO: EMI00-030
MODEL NO: 150X1H
MHz READING LIMIT
MAX.POINT: 925.39 44.3 46
FCC CLASS B
80
70
60
50
40
30
20
30 MHz
100
1000
TESTED BY: C.C.Wu


A3KM095 1024X768/75Hz W/DVI CONNECTED AC110V MKR 13.57 MHz
REF 107.0 dBµV ATTEN 10 dB 38.10 dBµV
10 dB/
DL
48.0
dBµV
START 450 kHz
RES BW 10 kHz
VBW 10 kHz
STOP 30.00 MHz
SWP 750 msec


A3KM095 1024X768/75Hz W/DVI CONNECTED AC220V
MKR 510 kHz
37.70 dBµV
REF 107.0 dBµV
ATTEN 10 dB
10 dB/
DL
48.0
dBµV
START 450 kHz
RES BW 10 kHz
VBW 10 kHz
STOP 30.000 MHz
SWP 750 msec

FCC TEST REPORT

Report No. : EMI00-030A
Tested Date: July/24/00

Test Performed By
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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 : USRoboties 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.
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

FCC ID: A3KM095

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.

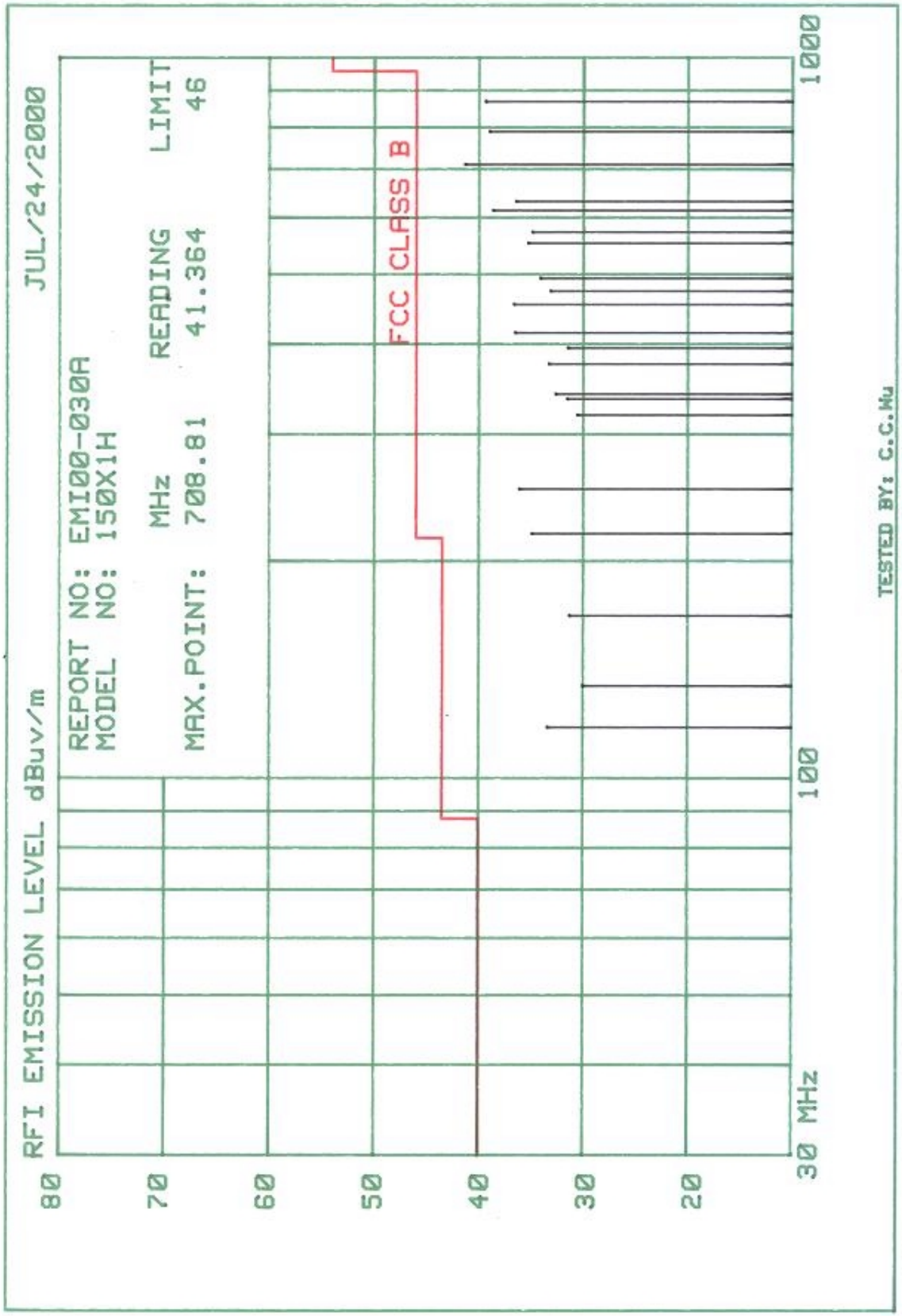
Radiated RF Level – Quasi-Peak Value

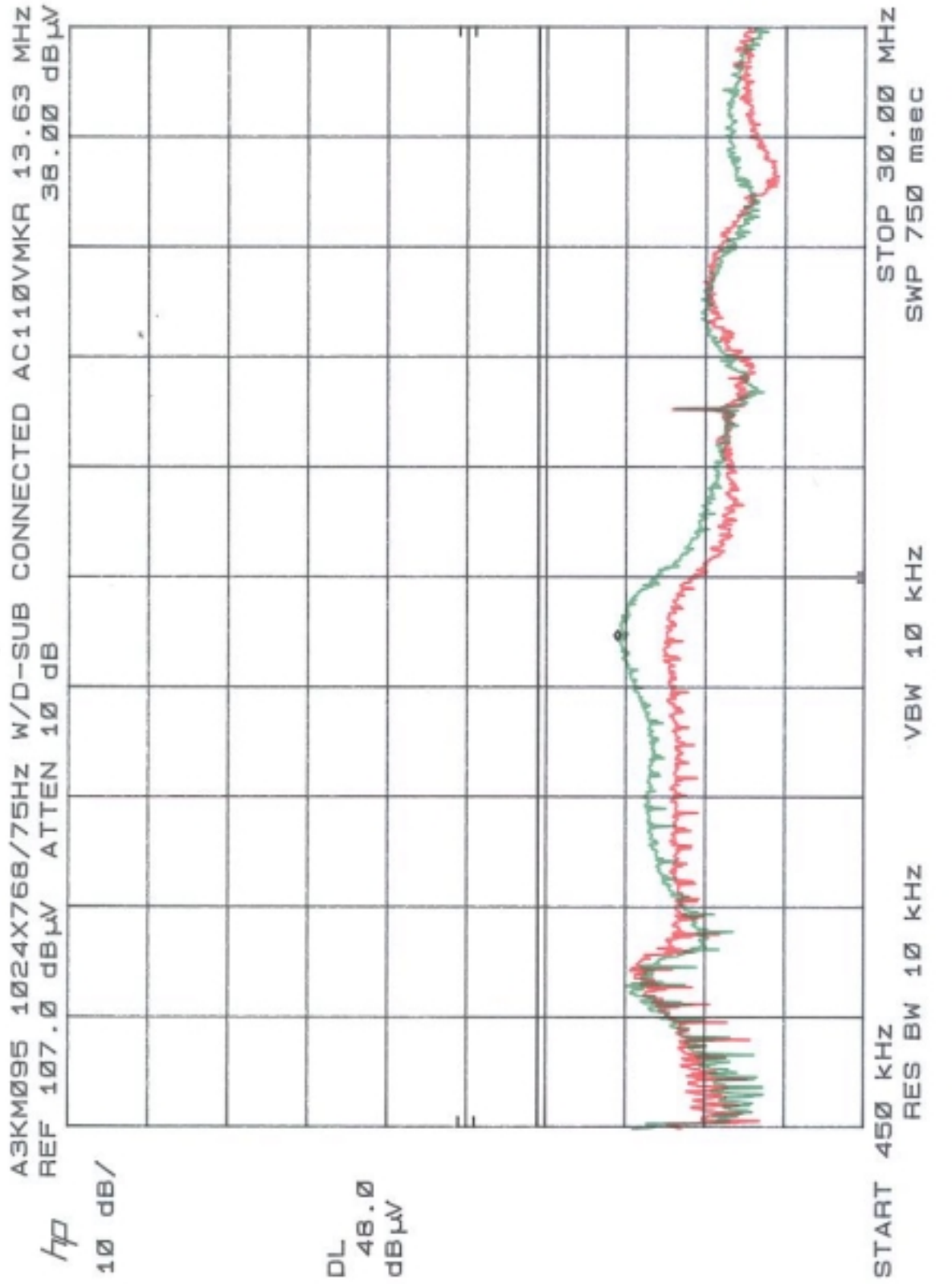
Frequency (MHz)	Horizontal (dBuv/m)	Vertical (dBuv/m)	FCC/B Limit (dBuv/m)
612.0	35.28	38.88	46.0
708.81	38.06	41.36	46.0
886.32	39.38	39.18	46.0

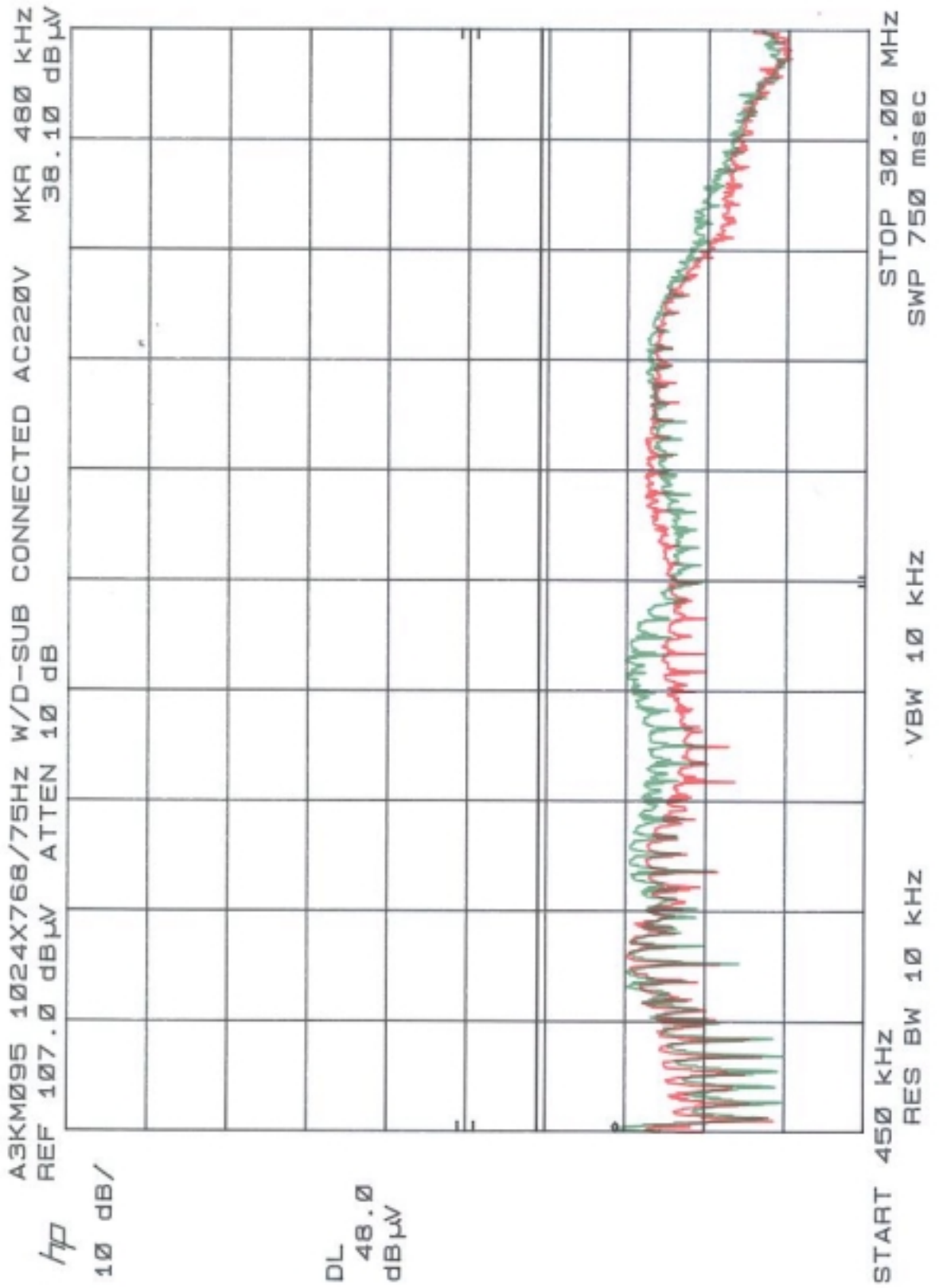
The spectrum was scanned from 30MHz to 1000MHz and the significant emissions were recorded.
Test distance between device under test and receiving antenna was 3-meter.
Sample of calculation:
Final value (dBuv/m) = Antenna Factor (dB) + Cable Loss (dB) + Reading value (dBuv/m)

Tested by: C.C.Wu

Checked by: K.J.Hsu – EMC Engineer
NVLAP Signatory


RFI EMISSION LEVEL dBuv/m
JUL/24/2000
REPORT NO: EMI00-030A
MODEL NO: 150X1H
MHz READING LIMIT
MAX.POINT: 708.81 41.364 46
FCC CLASS B
80
70
60
50
40
30
20
30 MHz
100
1000
TESTED BY: C.C.Hu


A3KM095 1024X768/75Hz W/D-SUB CONNECTED AC110VMKR 13.63 MHz
38.00 dBµV
REF 107.0 dBµV ATTEN 10 dB
10 dB/
DL
48.0
dBµV
START 450 kHz
RES BW 10 kHz
VBW 10 kHz
STOP 30.00 MHz
SWP 750 msec


A3KM095 1024X768/75Hz W/D-SUB CONNECTED AC220V
MKR 480 kHz
38.10 dBµV
REF 107.0 dBµV
ATTEN 10 dB
10 dB/
DL
48.0
dBµV
START 450 kHz
RES BW 10 kHz
VBW 10 kHz
STOP 30.000 MHz
SWP 750 msec

FCC TEST REPORT

Report No. : EMI00-030B
Tested Date: July/25/00

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 : USRoboties 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.
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 (dBuv/m)	Vertical (dBuv/m)	FCC/B Limit (dBuv/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.

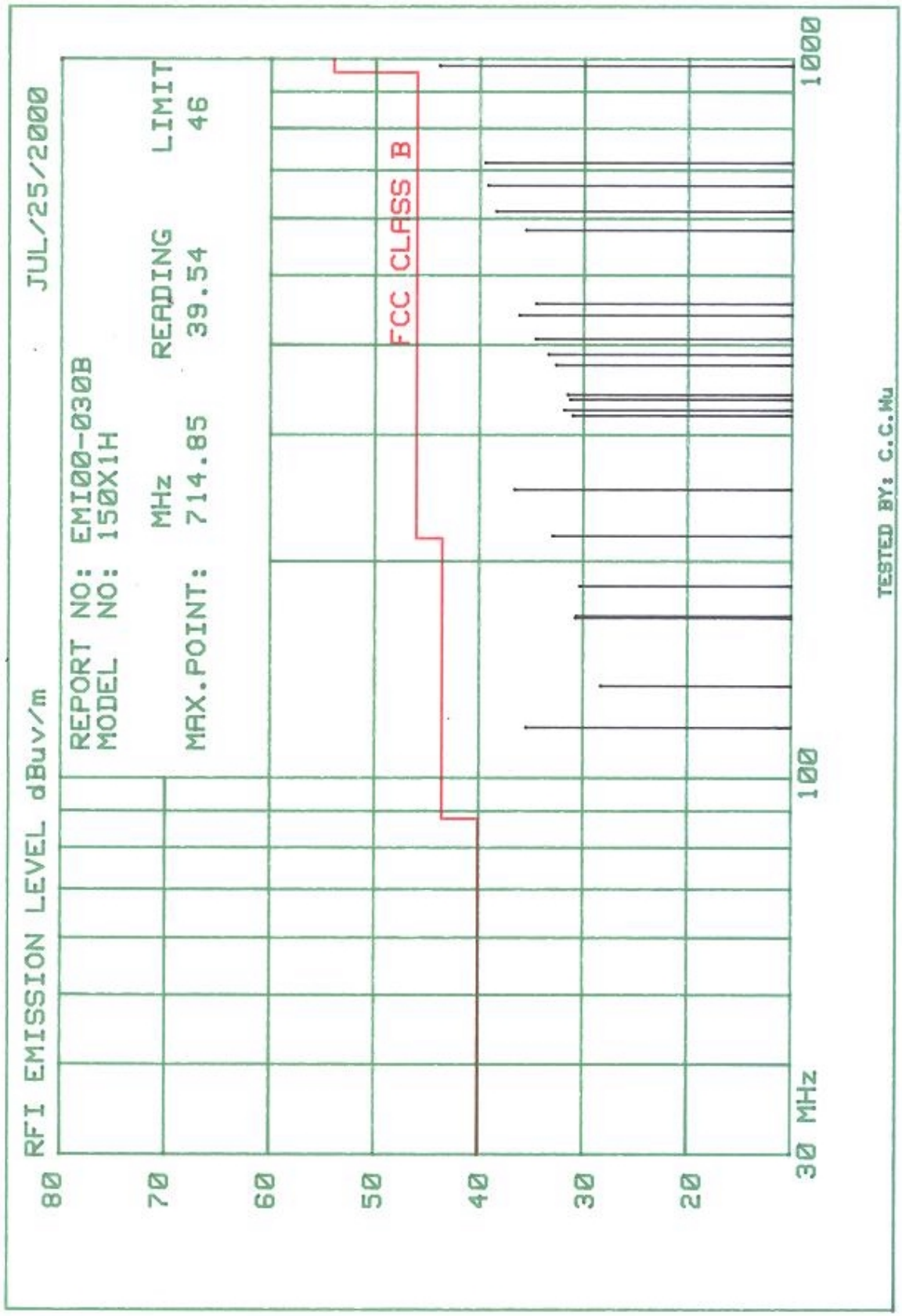
Radiated RF Level – Quasi-Peak Value

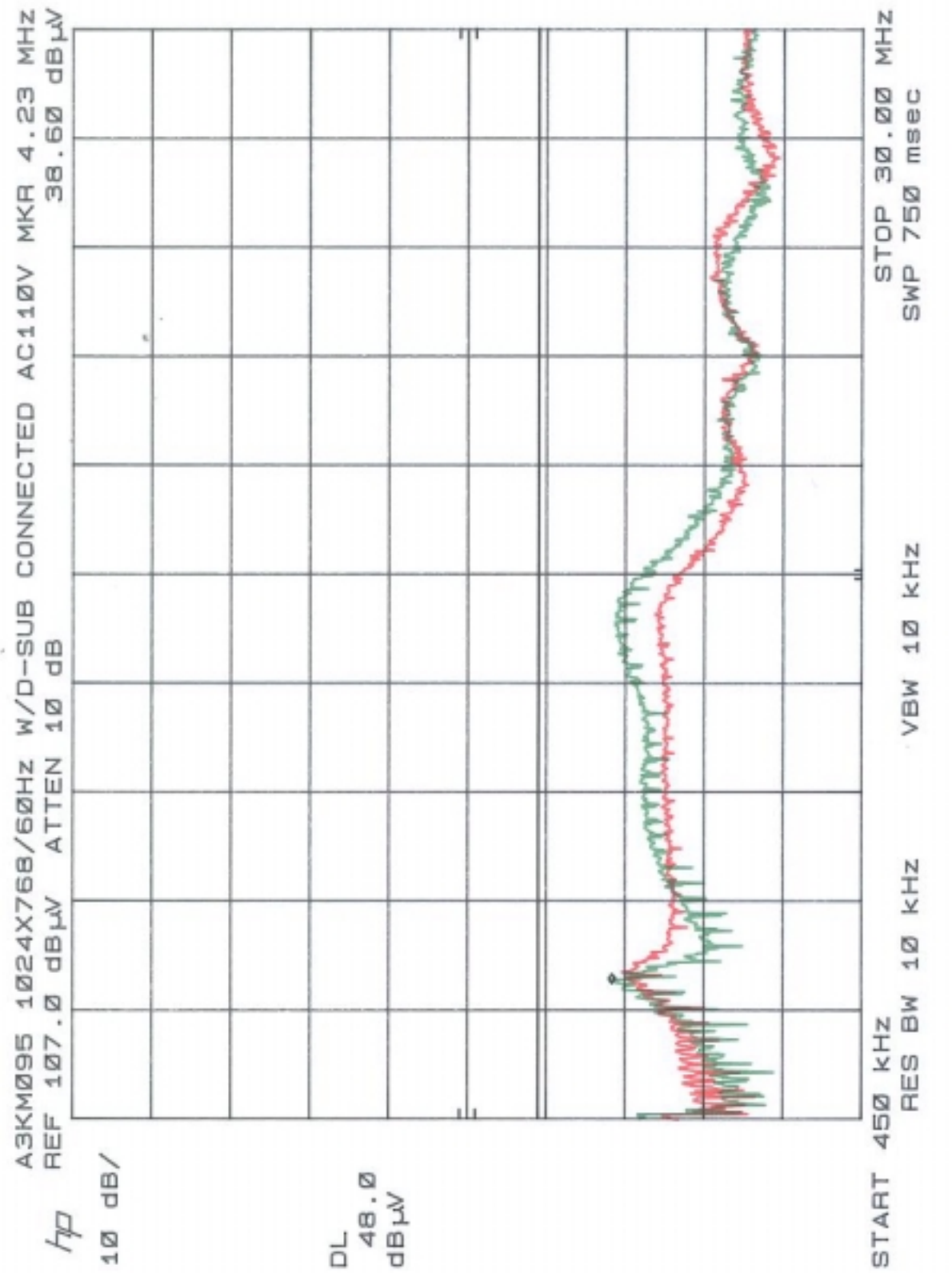
Frequency (MHz)	Horizontal (dBuv/m)	Vertical (dBuv/m)	FCC/B Limit (dBuv/m)
612.0	36.88	38.48	46.0
714.85	37.64	39.54	46.0

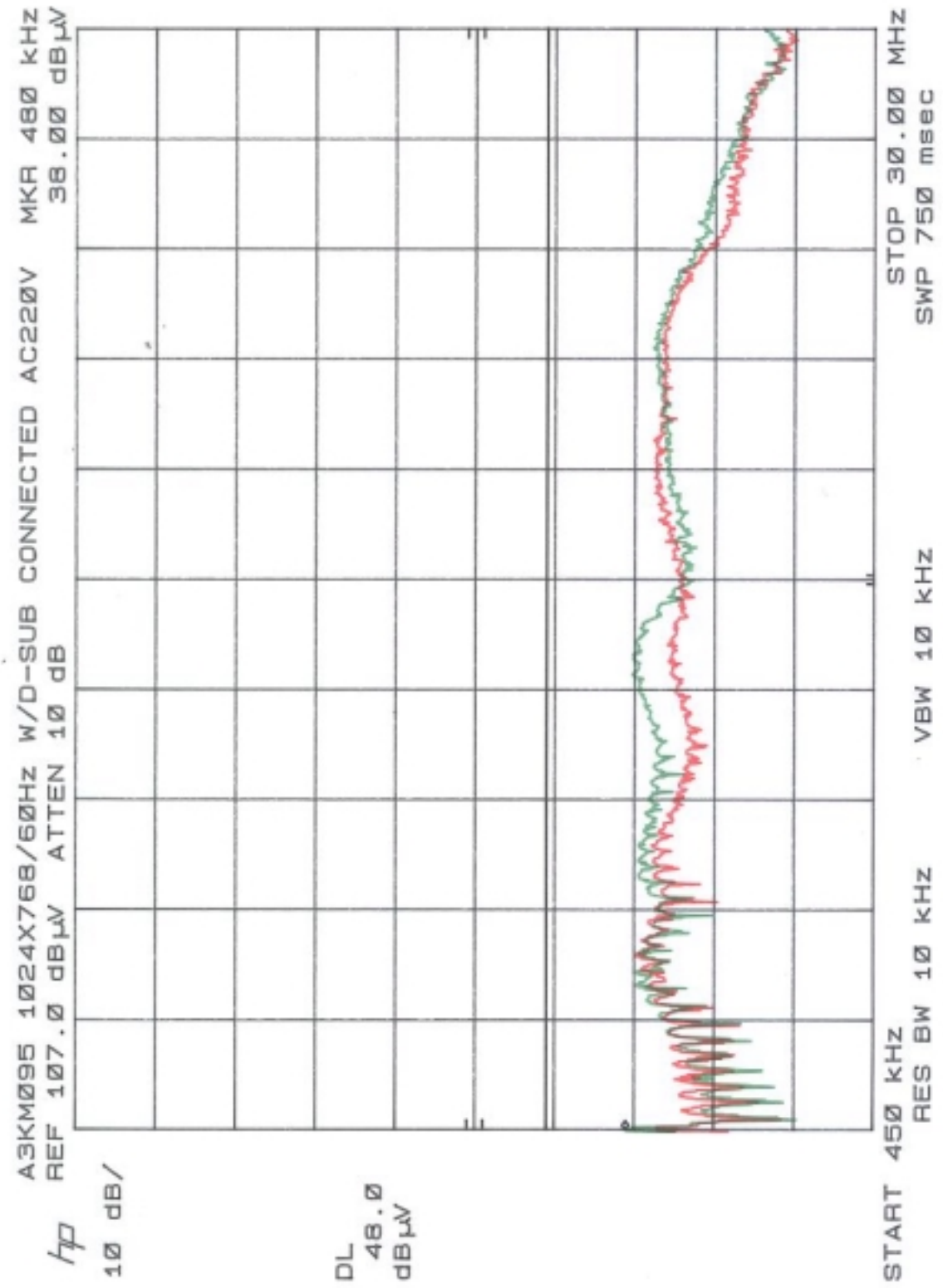
The spectrum was scanned from 30MHz to 1000MHz and the significant emissions were recorded.
Test distance between device under test and receiving antenna was 3-meter.
Sample of calculation:
Final value (dBuv/m) = Antenna Factor (dB) + Cable Loss (dB) + Reading value (dBuv/m)

Tested by: C.C.Wu

Checked by: K.J.Hsu – EMC Engineer
NVLAP Signatory


RFI EMISSION LEVEL dBuv/m
JUL/25/2000
REPORT NO: EMI00-030B
MODEL NO: 150X1H
MHz READING LIMIT
MAX.POINT: 714.85 39.54 46
FCC CLASS B
80
70
60
50
40
30
20
30 MHz
100
1000
TESTED BY: C.C.Wu


A3KM095 1024X768/60Hz W/D-SUB CONNECTED AC110V MKR 4.23 MHz
38.60 dBµV
REF 107.0 dBµV ATTEN 10 dB
10 dB/
DL
48.0
dBµV
START 450 kHz
RES BW 10 kHz
VBW 10 kHz
STOP 30.000 MHz
SWP 750 msec


A3KM095 1024X768/60Hz W/D-SUB CONNECTED AC220V
MKR 480 kHz
38.00 dBµV
REF 107.0 dBµV
ATTEN 10 dB
10 dB/
DL
48.0
dBµV
START 450 kHz
RES BW 10 kHz
VBW 10 kHz
STOP 30.00 MHz
SWP 750 msec