FCC TEST REPORT

Report No. : EMI01-006
Tested Date: Mar/03/01

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 : 105B20 color monitor s/n: TY0105073
   FCC ID : A3KM078
2. Computer : IBM V66XA s/n: S14AA00072
   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 : S3 Trio 3D/2X s/n: C10N091461
   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.
68.7KHz mode (1024X768/85Hz) was tested.
D-sub I/F 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)
114.02	28.44	30.24	43.5
117.84	30.08	28.88	43.5
135.02	29.85	30.25	43.5

164.98	30.15	27.65	43.5
213.03	31.64	30.74	43.5
234.03	32.9	33.3	46.0
246.05	34.14	33.54	46.0
259.25	34,25	36.75	46.0
306.38	36.324	37.824	46.0
329.96	29.72	30.22	46.0
353.52	35.2	37.8	46.0
377.08	32.372	31.372	46.0
400.65	33.612	33.612	46.0
424.23	32.588	33.088	46.0
447.79	38.152	38.352	46.0
471.37	32.404	32.904	46.0
494.32	33.708	33.208	46.0
518.49	34.344	33.744	46.0
565.64	35.684	35.284	46.0
589.19	35.368	35.368	46.0
612.75	37.616	36.916	46.0

Spectrum Analyzer Setting:
RBW: 100KHz
VBW: 100KHz

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

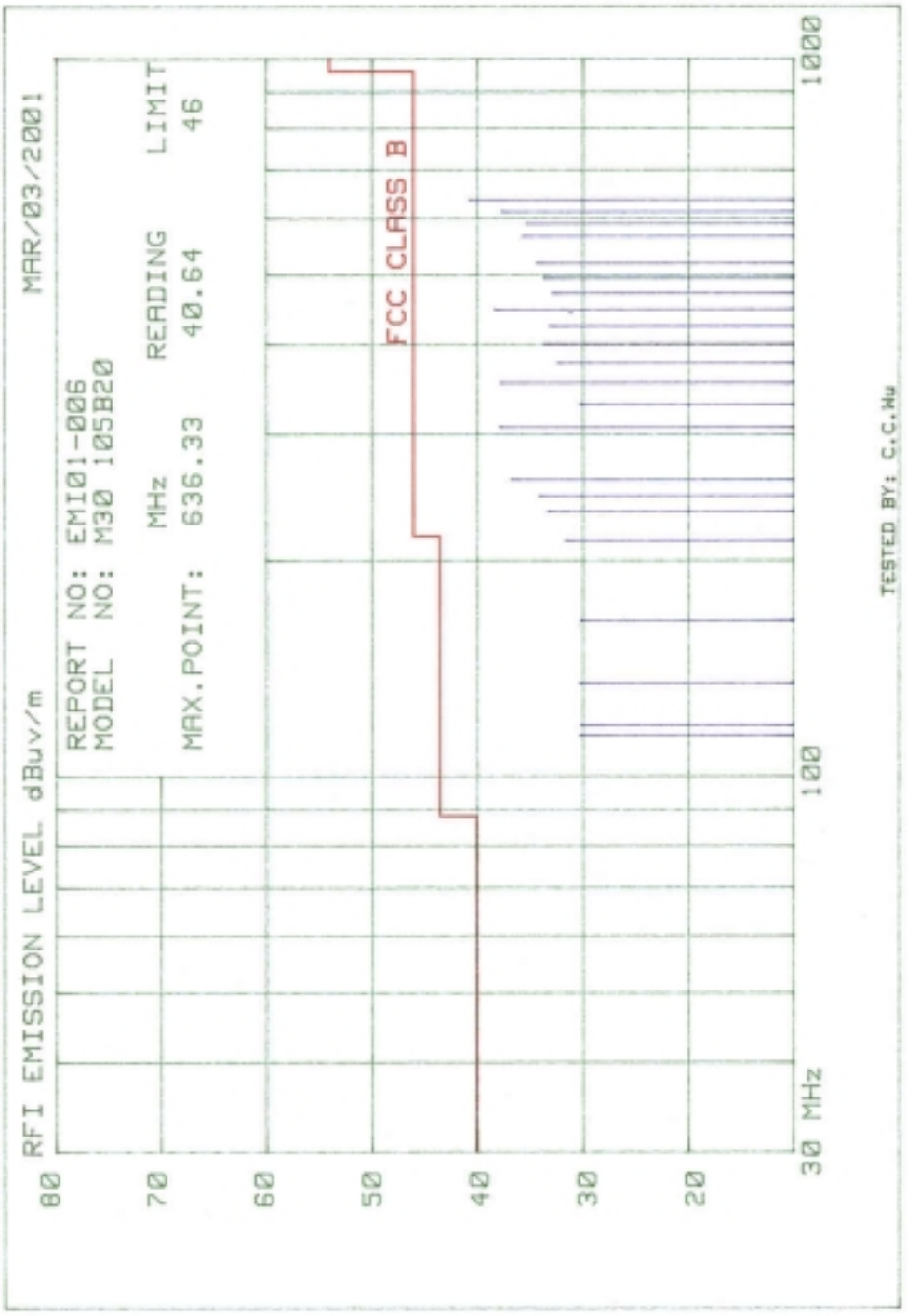
Radiated RF Level – Quasi-Peak Value

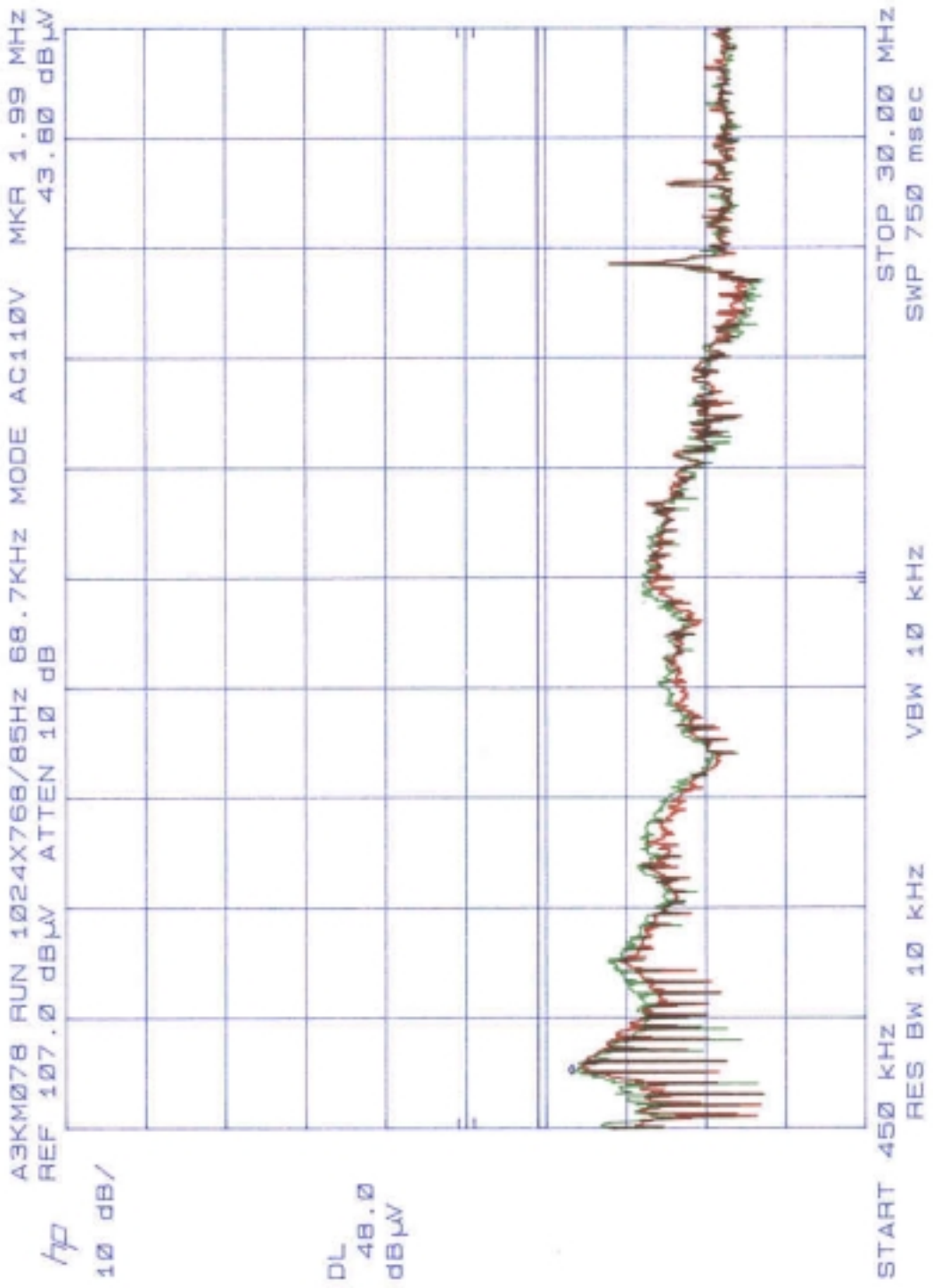
Frequency (MHz)	Horizontal (dBuv/m)	Vertical (dBuv/m)	FCC/B Limit (dBuv/m)
636.33	40.14	40.64	46.0

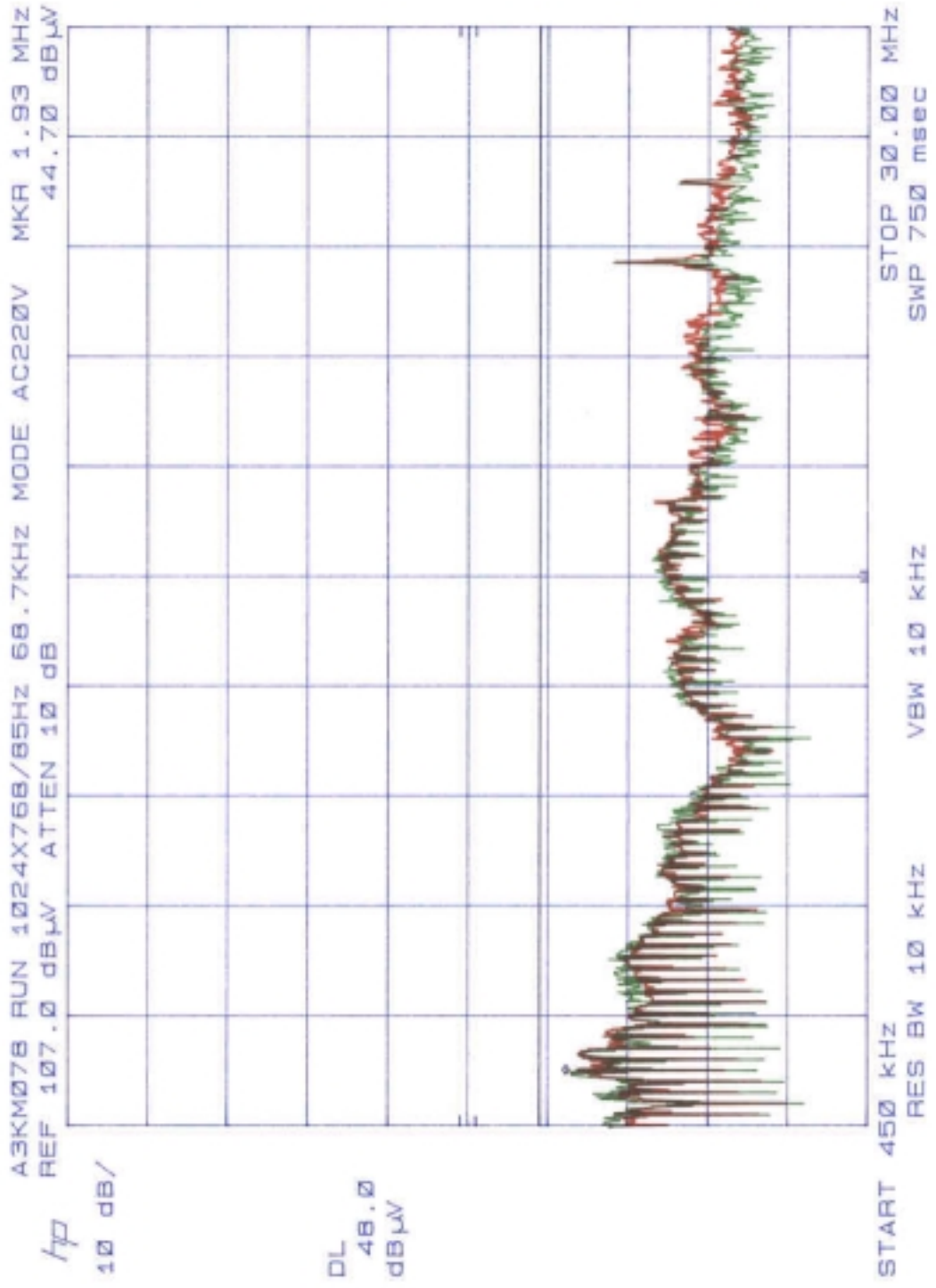
The spectrum was scanned from 30MHz to 1000MHz and the significant emissions were recorded.
Test distance between device under test and receiving antenna was 3-meter.
Sample of calculation:
Final value (dBuv/m) = Antenna Factor (dB) + Cable Loss (dB) + Reading value (dBuv/m)

Tested by: C.C.Wu — Checked by: K.J.Hsu

EMI Technician — EMC Engineer
NVLAP Signatory


RFI EMISSION LEVEL dBuv/m
MAR/03/2001
REPORT NO: EMI01-006
MODEL NO: M30 105B20
MHz READING LIMIT
MAX.POINT: 636.33 40.64 46
FCC CLASS B
80
70
60
50
40
30
20
30 MHz
100
1000
TESTED BY: C.C.Hu


A3KM078 RUN 1024X768/85Hz 68.7KHz MODE AC110V MKR 1.99 MHz
REF 107.0 dBµV ATTEN 10 dB 43.80 dBµV
10 dB/
DL
48.0
dBµV
START 450 kHz
RES BW 10 kHz
VBW 10 kHz
STOP 30.00 MHz
SWP 750 msec


A3KM078 RUN 1024X768/85Hz 68.7KHz MODE AC220V MKR 1.93 MHz
REF 107.0 dBµV ATTEN 10 dB 44.70 dBµV
10 dB/
DL
48.0
dBµV
START 450 kHz
RES BW 10 kHz
VBW 10 kHz
STOP 30.00 MHz
SWP 750 msec

FCC TEST REPORT

Report No. : EMI01-06A
Tested Date: Mar/06/01

Test Performed By
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Manufacturer : Philips Business Electronics

Tested System:

1. EUT : 105B20 color monitor s/n: TY0105073
   FCC ID : A3KM078
2. Computer : IBM V66XA s/n: S14AA00072
   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 : S3 Trio 3D/2X s/n: C10N091416
   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.
64KHz mode (1280x1024/60Hz) was tested.
D-sub I/F 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)
54.15	28.24	28.94	40.0
81.23	31.15	29.95	40.0
135.37	30.65	29.55	43.5

162.45	26.76	29.36	43.5
189.52	33.2	29.2	43.5
216.59	31.06	31.06	46.0
243.65	35.16	35.36	46.0
270.72	34.14	34.64	46.0
297.8	37.66	39.76	46.0
306.06	30.024	30.324	46.0
318.06	30.572	31.472	46.0
324.87	30.3	30.5	46.0
351.96	37.0	38.90	46.0
379.04	30.944	31.244	46.0
433.18	37.892	38.692	46.0
460.26	37.04	39.44	46.0
487.32	34.484	36.984	46.0
514.4	35.212	36.212	46.0
541.47	36.564	34.664	46.0
568.54	35.356	36.956	46.0
676.83	39.048	38.448	46.0

Spectrum Analyzer Setting:
RBW: 100KHz
VBW: 100KHz

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

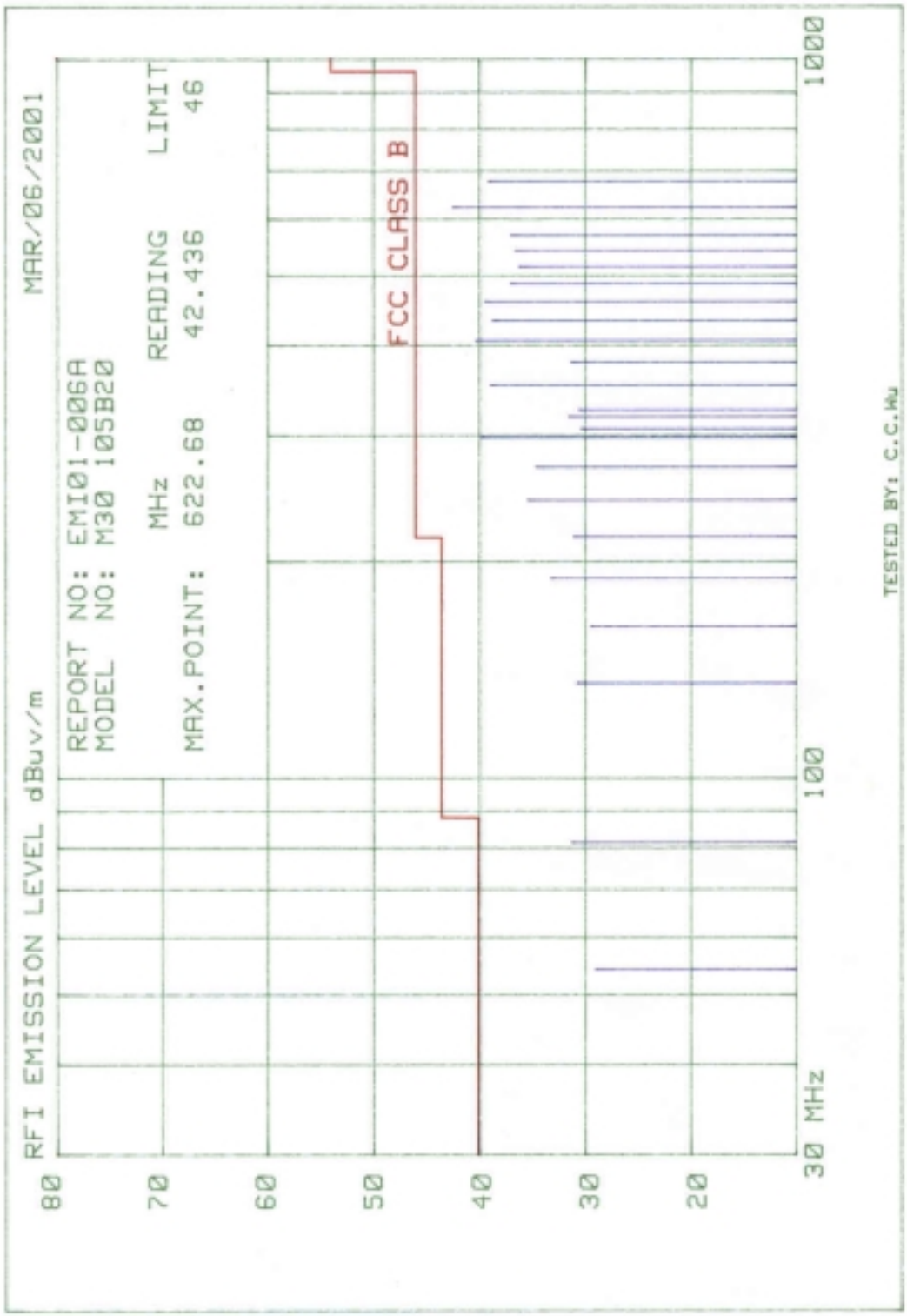
Radiated RF Level – Quasi-Peak Value

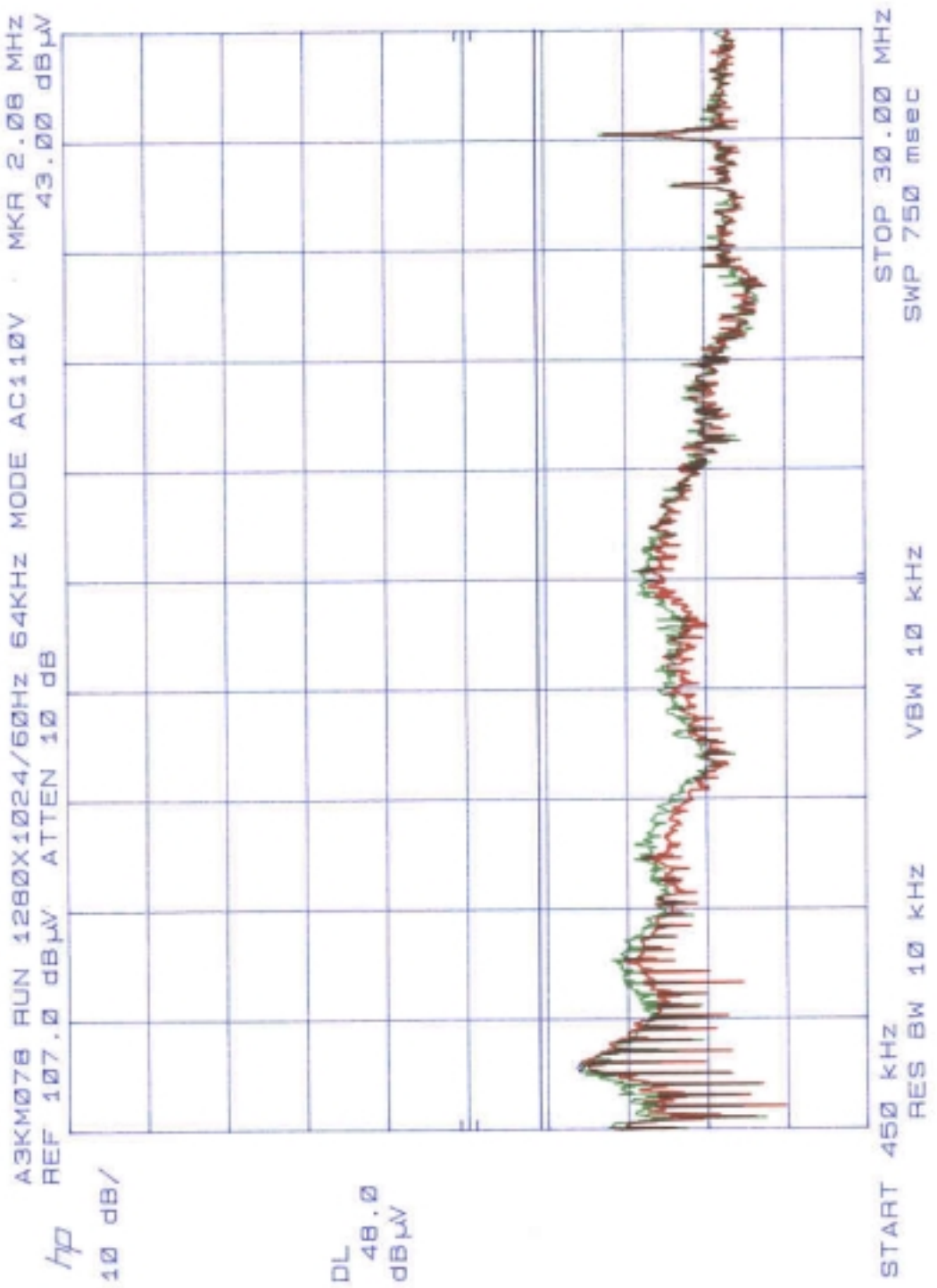
Frequency (MHz)	Horizontal (dBuv/m)	Vertical (dBuv/m)	FCC/B Limit (dBuv/m)
406.11	40.272	38.872	46.0
622.68	40/036	42.436	46.0

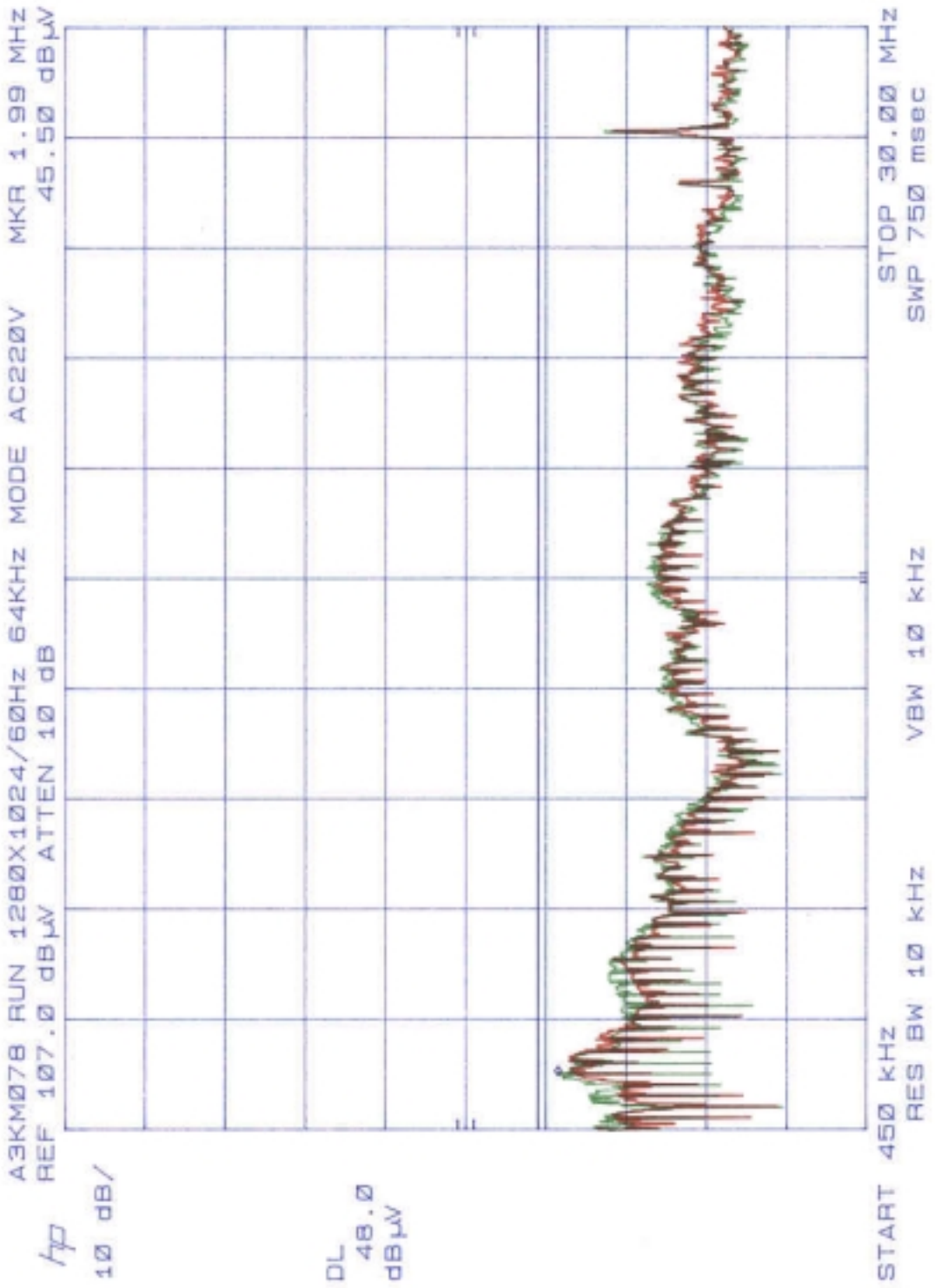
The spectrum was scanned from 30MHz to 1000MHz and the significant emissions were recorded.
Test distance between device under test and receiving antenna was 3-meter.
Sample of calculation:
Final value (dBuv/m) = Antenna Factor (dB) + Cable Loss (dB) + Reading value (dBuv/m)

Tested by: C.C.Wu — Checked by: K.J.Hsu

EMI Technician — EMC Engineer
NVLAP Signatory


RFI EMISSION LEVEL dBuv/m
MAR/06/2001
REPORT NO: EMI01-006A
MODEL NO: M30 105B20
MHz READING LIMIT
MAX.POINT: 622.68 42.436 46
FCC CLASS B
80
70
60
50
40
30
20
30 MHz
100
1000
TESTED BY: C.C.Hu


A3KM078 RUN 1280X1024/60Hz 64KHz MODE AC110V
MKR 2.08 MHz
43.00 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


A3KM078 RUN 1280X1024/60Hz 64KHz MODE AC220V
MKR 1.99 MHz
45.50 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