FCC TEST REPORT

Report No. : EMI00-013A
Tested Date: May/10/00

Test Performed By
Philips Electronics Industries (Taiwan) Ltd.
Business Electronics
EMC Lab.
No. 5, Tze Chiang 1 Road,
Chungli, Taoyuan, Taiwan, R.O.C.
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Manufacturer : Philips Business Electronics

Tested System:

1. EUT : 105S color monitor s/n: TY0004013
   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 : METABYTE s/n: 10105
   FCC ID : I27MM-VS03A

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.
53.7KHz mode (800X600/75Hz) was tested.
D-sub I/F cable with one ferrite core was used.
Non-shield power cord was used during test.
Extra microphone and earphone were 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)
55.14	26.45	30.55	40.0
68.92	29.77	31.87	40.0

FCC ID: A3KM078

82.7	24.25	27.85	40.0
117.06	32.62	35.32	43.5
123.06	33.59	34.99	43.5
126.07	32.48	33.18	43.5
129.07	30.97	30.17	43.5
132.07	32.22	30.62	43.5
186.09	28.84	28.74	43.5
222.1	33.14	32.14	46.0
228.1	33.26	32.28	46.0
231.1	34.35	32.35	46.0
234.1	35.3	33.1	46.0
237.1	34.05	32.75	46.0
246.12	35.04	33.94	46.0
258.1	35.8	34.1	46.0
261.12	35.04	33.94	46.0
270.13	35.2	34.8	46.0
306.14	31.82	30.02	46.0
312.14	30.54	29.94	46.0
318.15	31.07	30.57	46.0
324.15	31.39	27.79	46.0
330.82	31.04	32.74	46.0
332.91	34.89	33.59	46.0
336.15	31.06	31.46	46.0

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

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

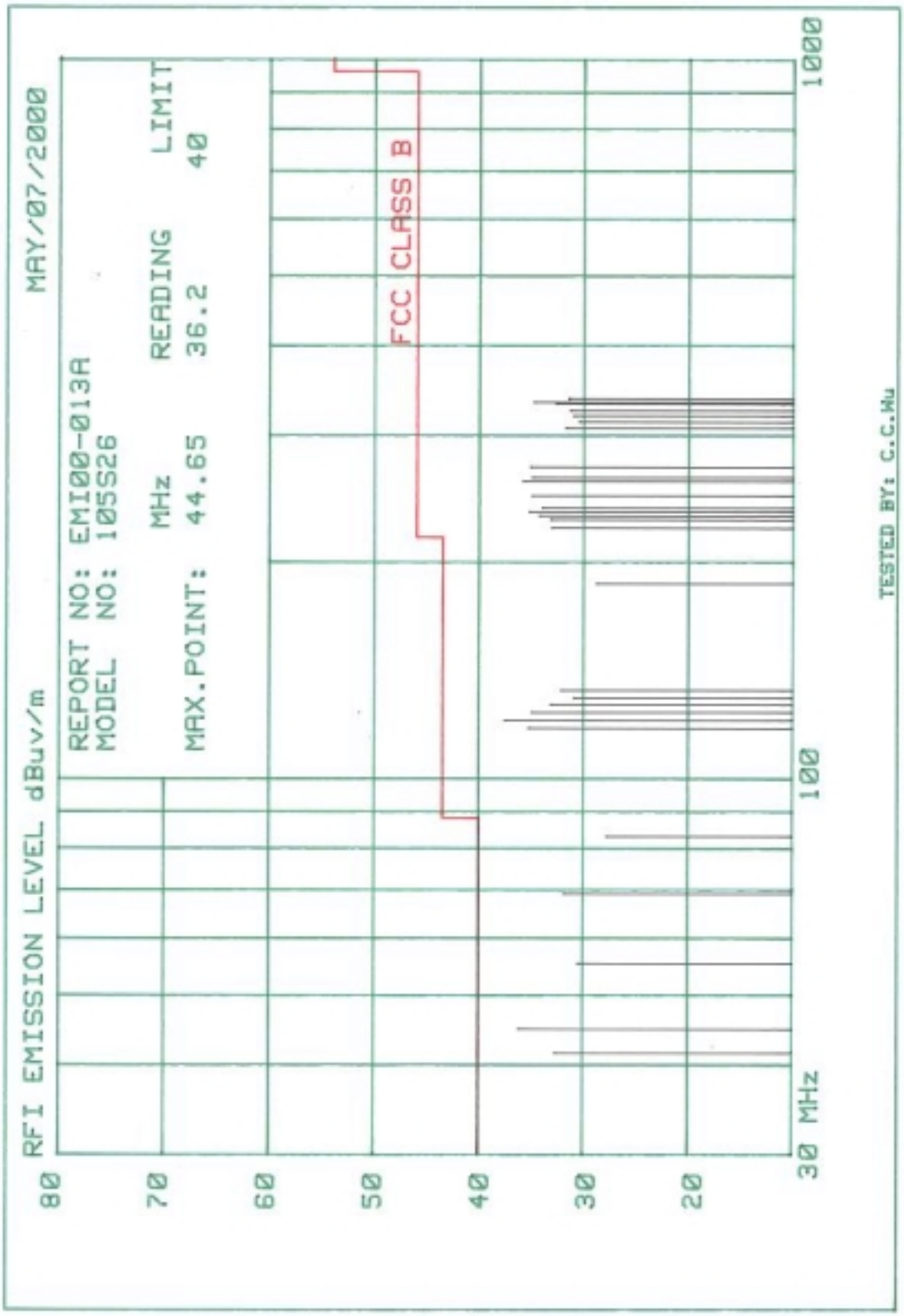
Radiated RF Level – Quasi-Peak Value

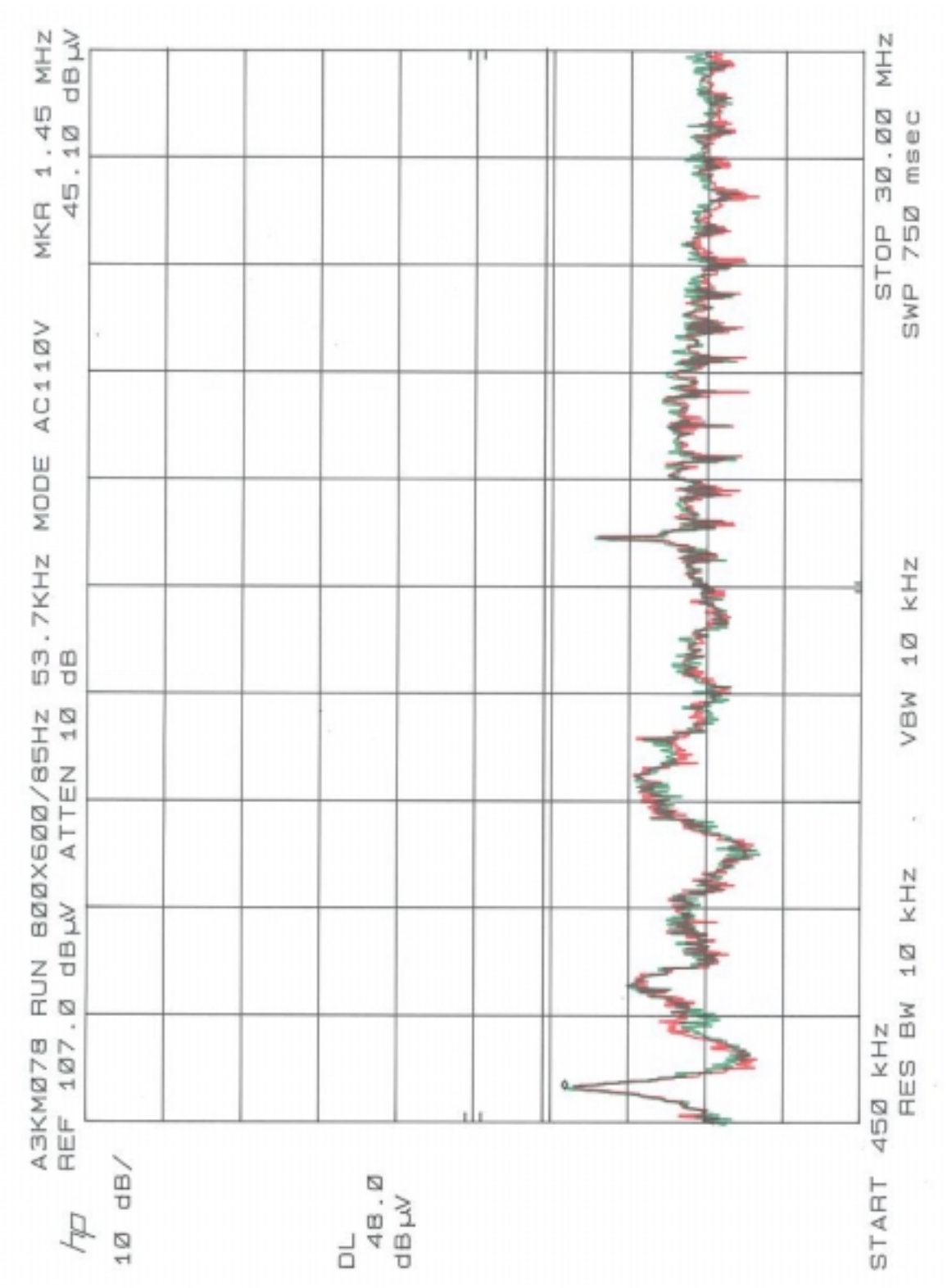
Frequency (MHz)	Horizontal (dBuv/m)	Vertical (dBuv/m)	FCC/B Limit (dBuv/m)
41.36	29.34	32.74	40.0
44.65	32.2	36.2	40.0
120.06	34.1	37.6	43.5

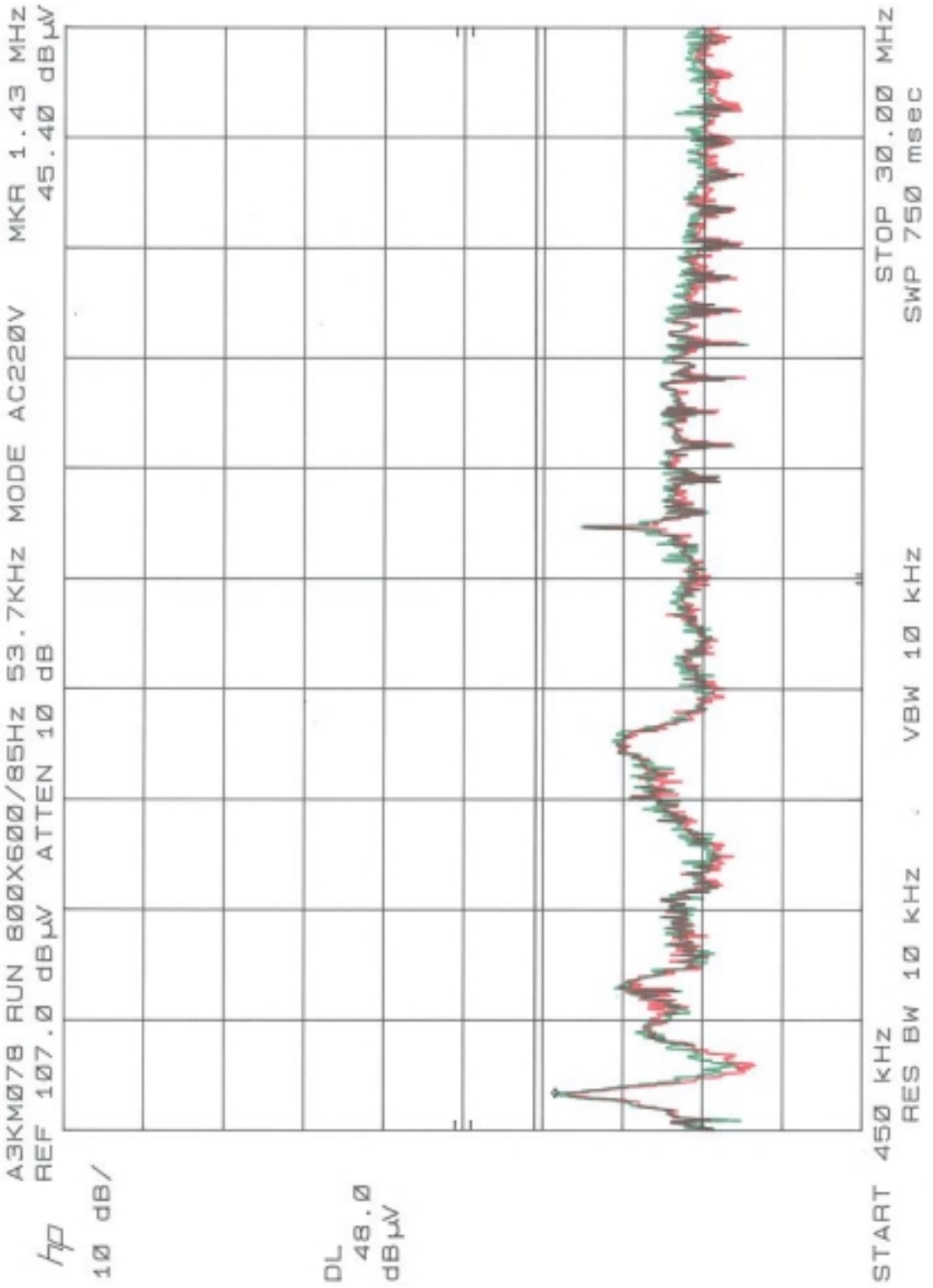
The spectrum was scanned from 30MHz to 1000MHz and the significant emissions were recorded.
Test distance between device under test and receiving antenna was 3-meter.
Sample of calculation:
Final value (dBuv/m) = Antenna Factor (dB) + Cable Loss (dB) + Reading value (dBuv/m)

Tested by: C.C.Wu

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


RFI EMISSION LEVEL dBuv/m
MAY/07/2000
REPORT NO: EMI00-013A
MODEL NO: 105S26
MHz READING LIMIT
MAX.POINT: 44.65 36.2 40
FCC CLASS B
80
70
60
50
40
30
20
30 MHz
100
1000
TESTED BY: C.C.Hu


A3KM078 RUN 800X600/85Hz 53.7KHz MODE AC110V
MKR 1.45 MHz
45.10 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 30.00 MHz
SWP 750 msec


A3KM078 RUN 800X600/85Hz 53.7KHz MODE AC220V MKR 1.43 MHz
REF 107.0 dBµV ATTEN 10 dB 45.40 dBµV
10 dB/
DL
48.0
dBµV
START 450 kHz
RES BW 10 kHz
VBW 10 kHz
STOP 30.00 MHz
SWP 750 msec