FCC TEST REPORT

Report No. : EMI00-005
Tested Date: Mar./08/00

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 : Fujitsu Siemens 21P3 color monitor s/n: TY0004003
   FCC ID : A3KM097
2. Computer : Fujitsu Siemens 661PIII s/n: 171617
   FCC ID : HSSSCENIC6511
3. Keyboard : Fujitsu Siemens S26381-K252 s/n: 002212
   FCC ID : HSSDITASTK252
4. Mouse : Logitech M-S34 s/n: L2Z9523043
   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 : Matrox G200 AGP s/n:PAC90428
   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.
112.5KHz mode (1600x1200/90Hz) with Matrox G200 video card was tested.
D-sub I/F cable with two 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)
72.88	31.04	30.34	40.0
145.81	30.26	ambient	43.5
218.71	33.12	31.82	43.5
243.02	34.72	34.32	46.0
267.31	35.48	34.58	46.0

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291.6	40.24	39.64	46.0
315.91	35.26	34.56	46.0
340.21	32.86	32.56	46.0
388.81	32.90	34.10	46.0
413.11	37.95	39.65	46.0
437.41	33.69	35.69	46.0
777.62	39.14	38.94	46.0

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

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

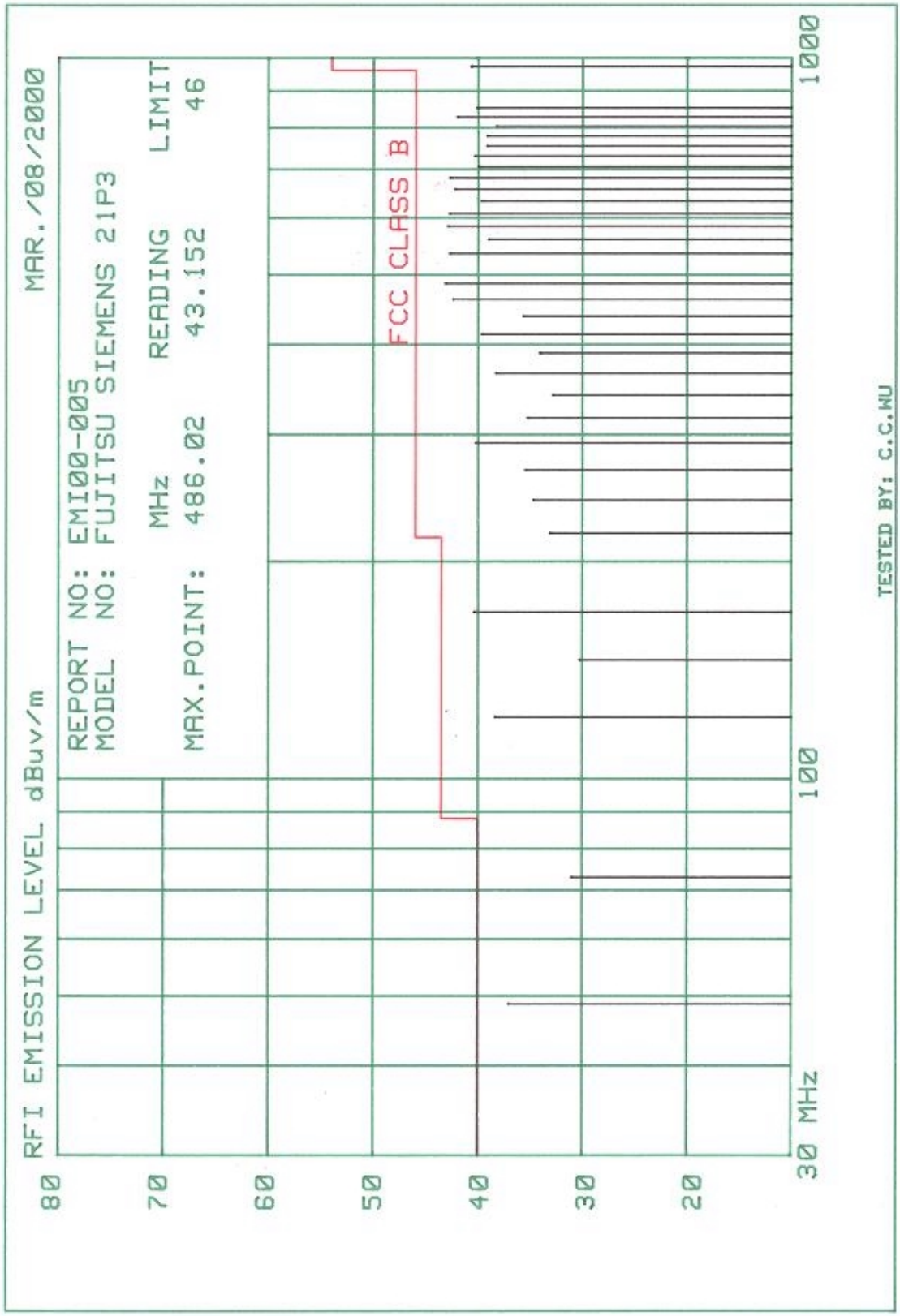
Radiated RF Level – Quasi-Peak Value

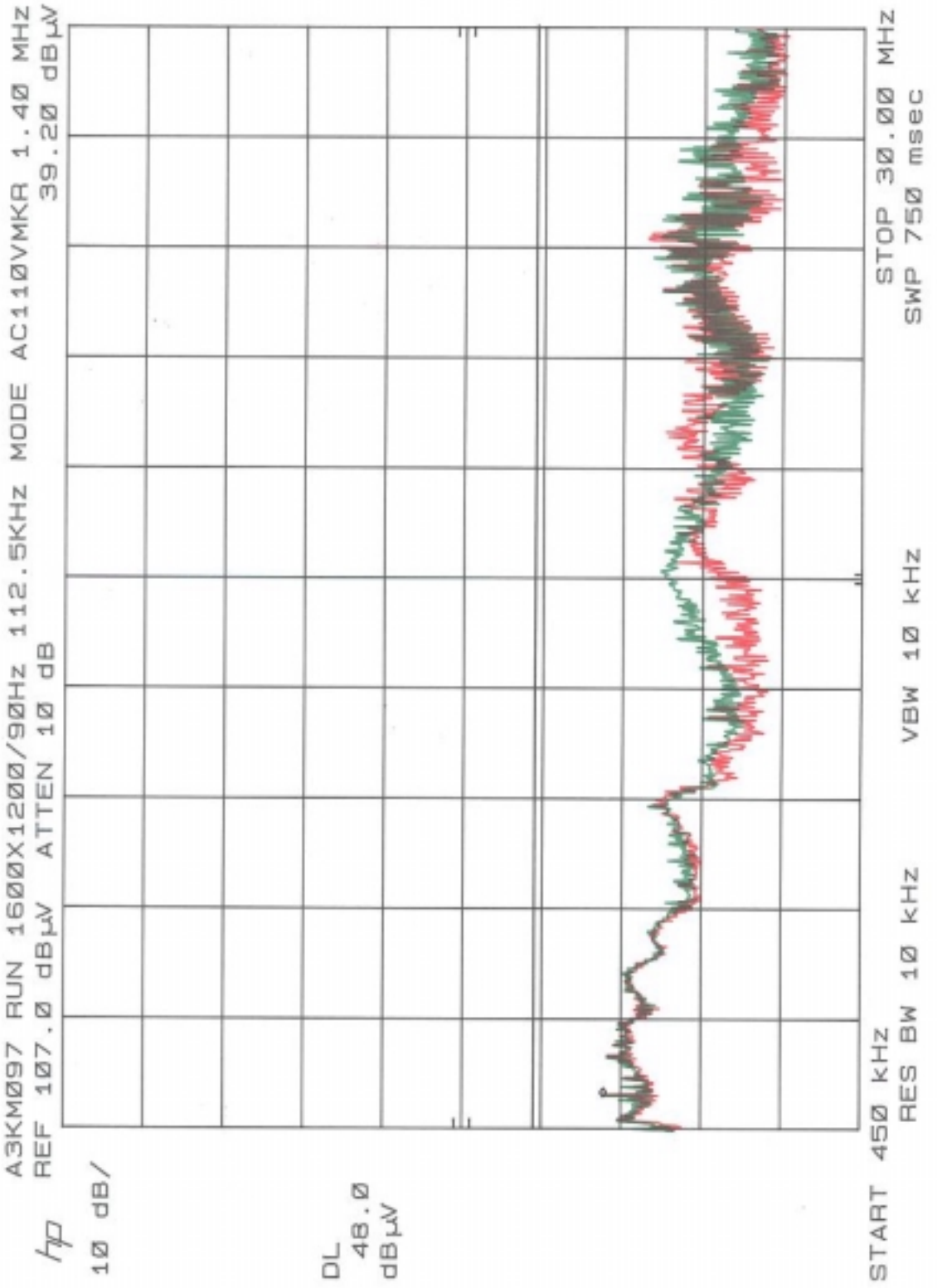
Frequency (MHz)	Horizontal (dBuv/m)	Vertical (dBuv/m)	FCC/B Limit (dBuv/m)
48.61	32.96	37.06	40.0
121.51	38.36	37.96	43.5
170.11	40.4	38.7	43.5
461.71	40.4	38.7	46.0
486.02	41.55	43.15	46.0
534.62	38.54	42.74	46.0
558.92	36.01	39.01	46.0
583.21	37.69	42.89	46.0
607.53	39.65	42.75	46.0
631.82	34.88	39.68	46.0
656.12	38.8	42.20	46.0
680.42	38.72	42.72	46.0
704.73	37.58	39.98	46.0
729.02	37.25	40.35	46.0
753.32	37.54	39.14	46.0
801.93	36.83	38.23	46.0
826.23	40.11	42.01	46.0
850.53	39.32	40.12	46.0
972.03	38.95	40.65	54.0

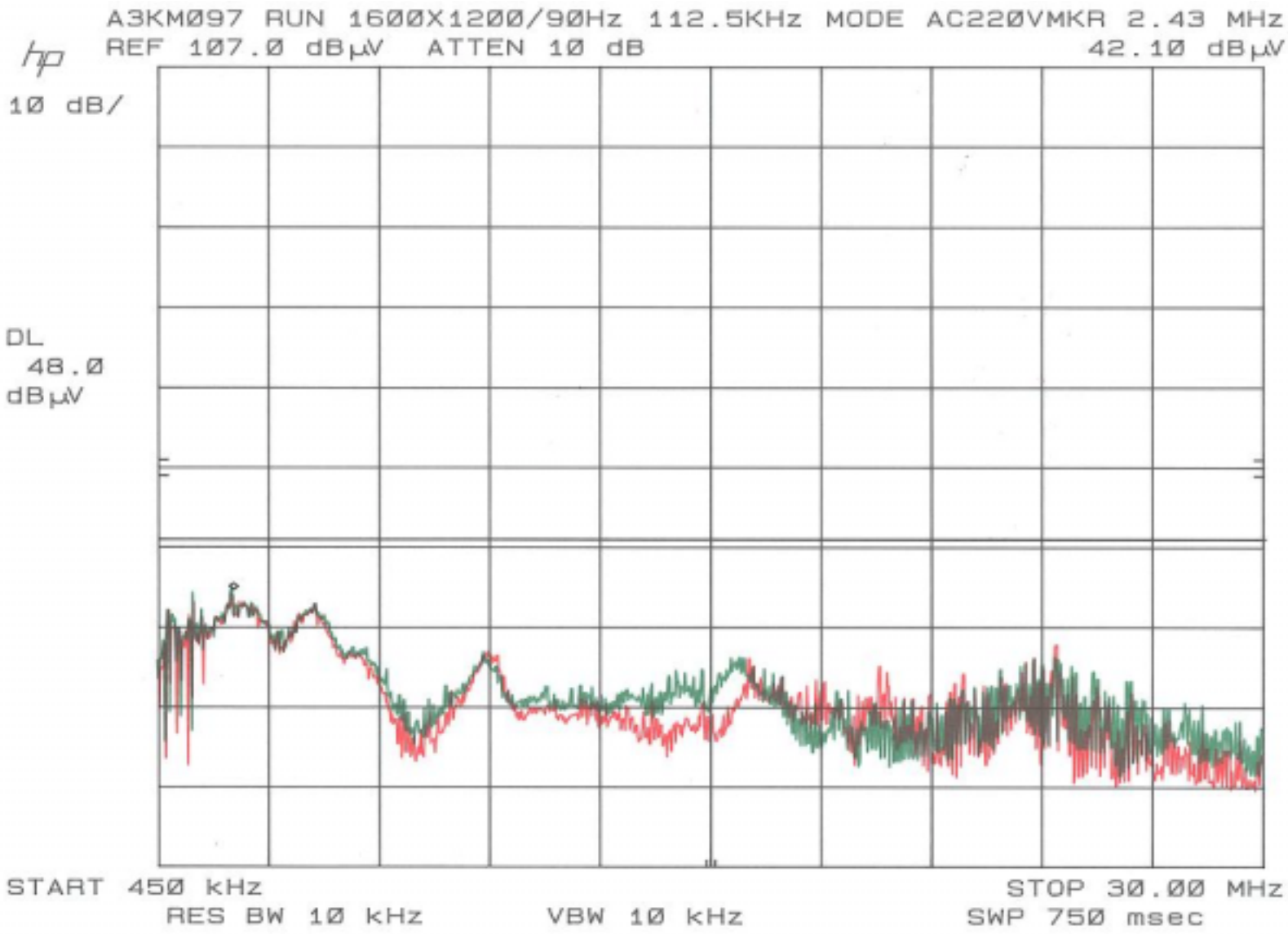
The spectrum was scanned from 30MHz to 1000MHz and the significant emissions were recorded.
Test distance between device under test and receiving antenna was 3-meter.
Sample of calculation:
Final value (dBuv/m) = Antenna Factor (dB) + Cable Loss (dB) + Reading value (dBuv/m)

Tested by: C.C.Wu

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


RFI EMISSION LEVEL dBuv/m
MAR./08/2000
REPORT NO: EMI00-005
MODEL NO: FUJITSU SIEMENS 21P3
MHz READING LIMIT
MAX.POINT: 486.02 43.152 46
FCC CLASS B
80
70
60
50
40
30
20
30 MHz
100
1000
TESTED BY: C.C.WU


A3KM097 RUN 1600X1200/90Hz 112.5KHz MODE AC110VMKR 1.40 MHz
REF 107.0 dBµV ATTEN 10 dB 39.20 dBµV
10 dB/
DL
48.0
dBµV
START 450 kHz
RES BW 10 kHz
VBW 10 kHz
STOP 30.000 MHz
SWP 750 msec


A3KM097 RUN 1600X1200/90Hz 112.5KHz MODE AC220VMKR 2.43 MHz
REF 107.0 dBµV ATTEN 10 dB
42.10 dBµV
10 dB/
DL
48.0
dBµV
START 450 kHz
STOP 30.00 MHz
RES BW 10 kHz
VBW 10 kHz
SWP 750 msec