

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.
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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 : USRobotics 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

FCC ID: A3KM097

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

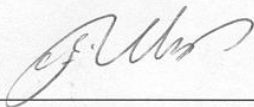
The spectrum was scanned from 30MHz to 1000MHz and the significant emissions were recorded.

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:

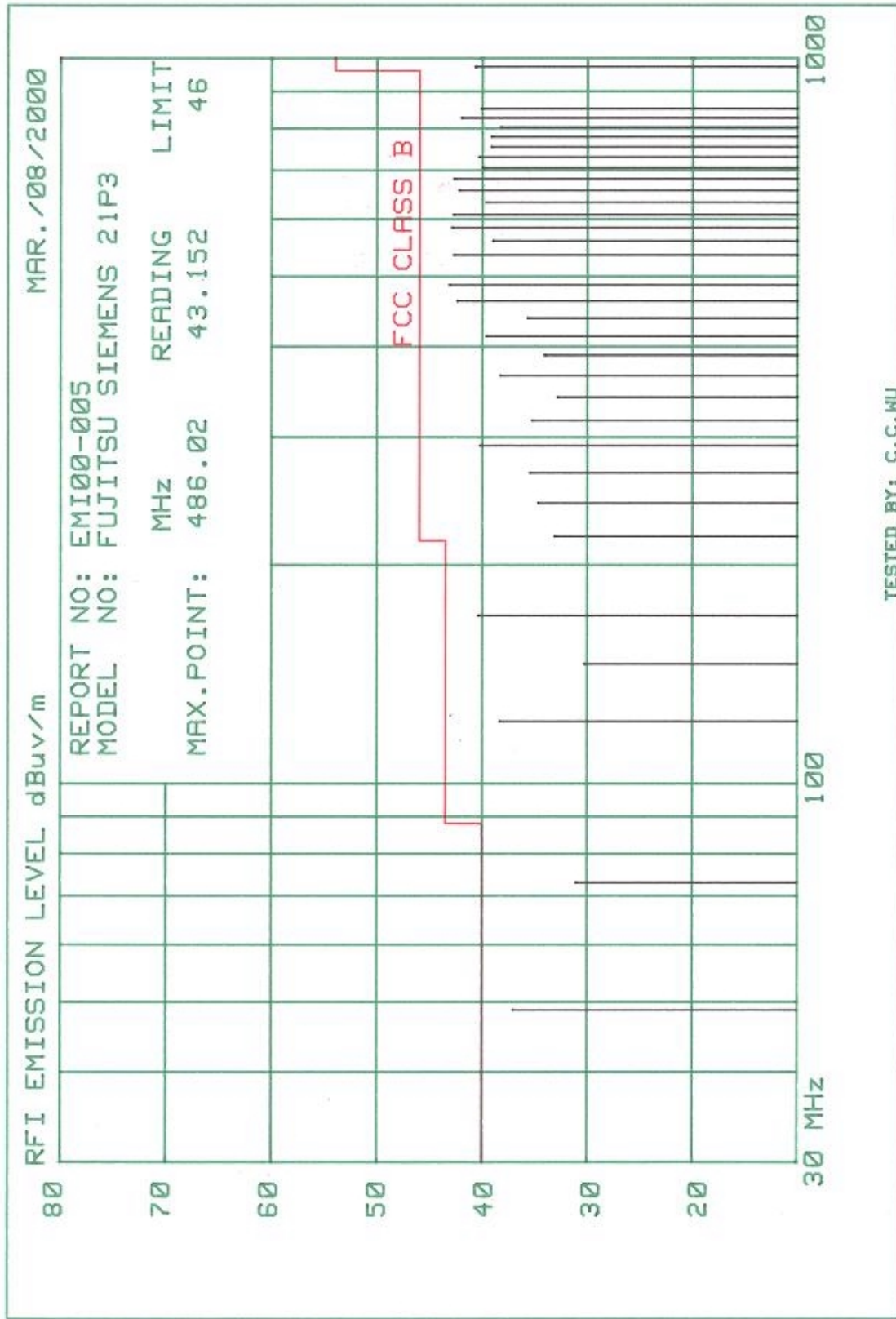


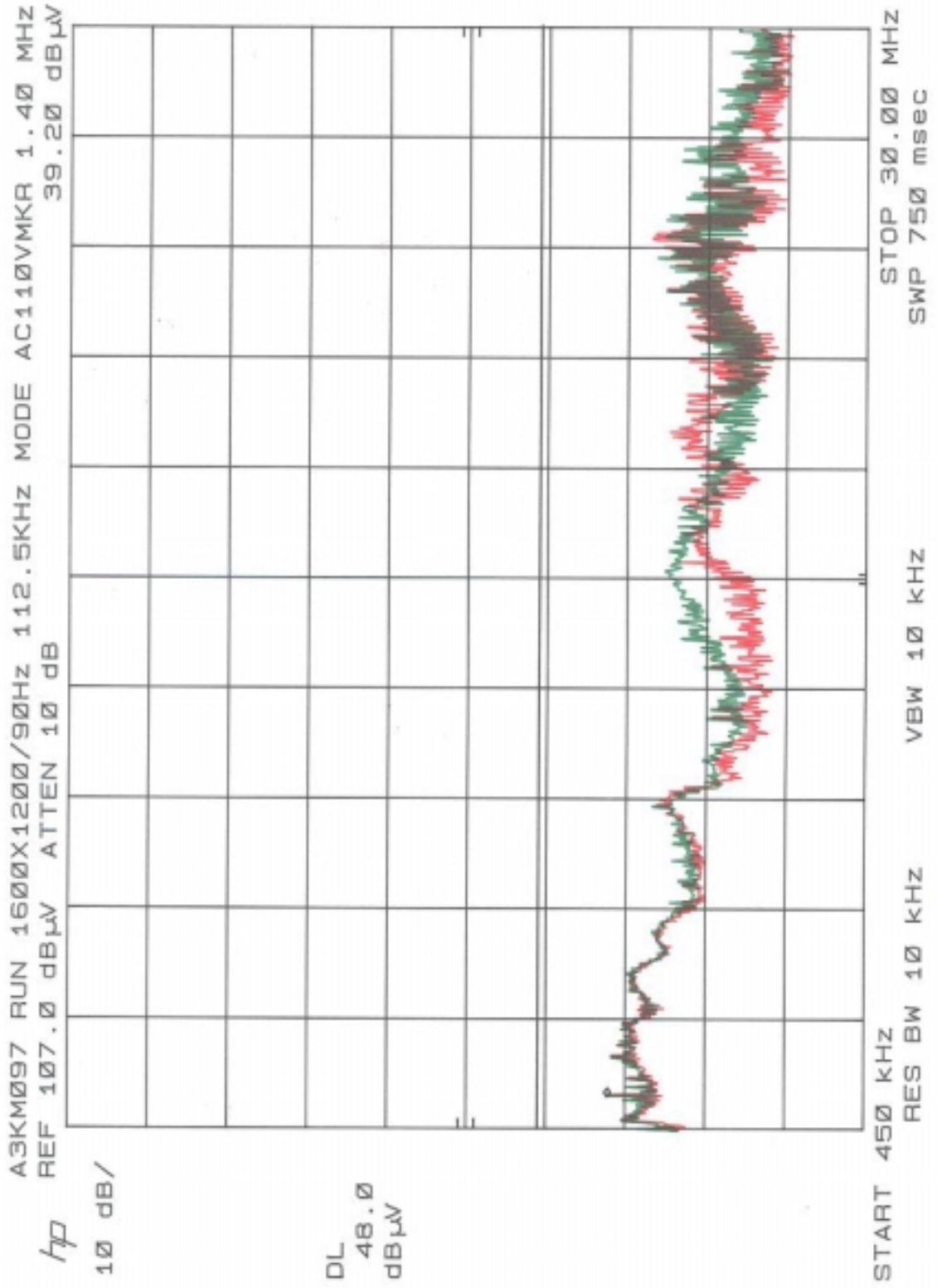
C.C.Wu

Checked by:



K.J.Hsu – EMC Engineer
NVLAP Signatory



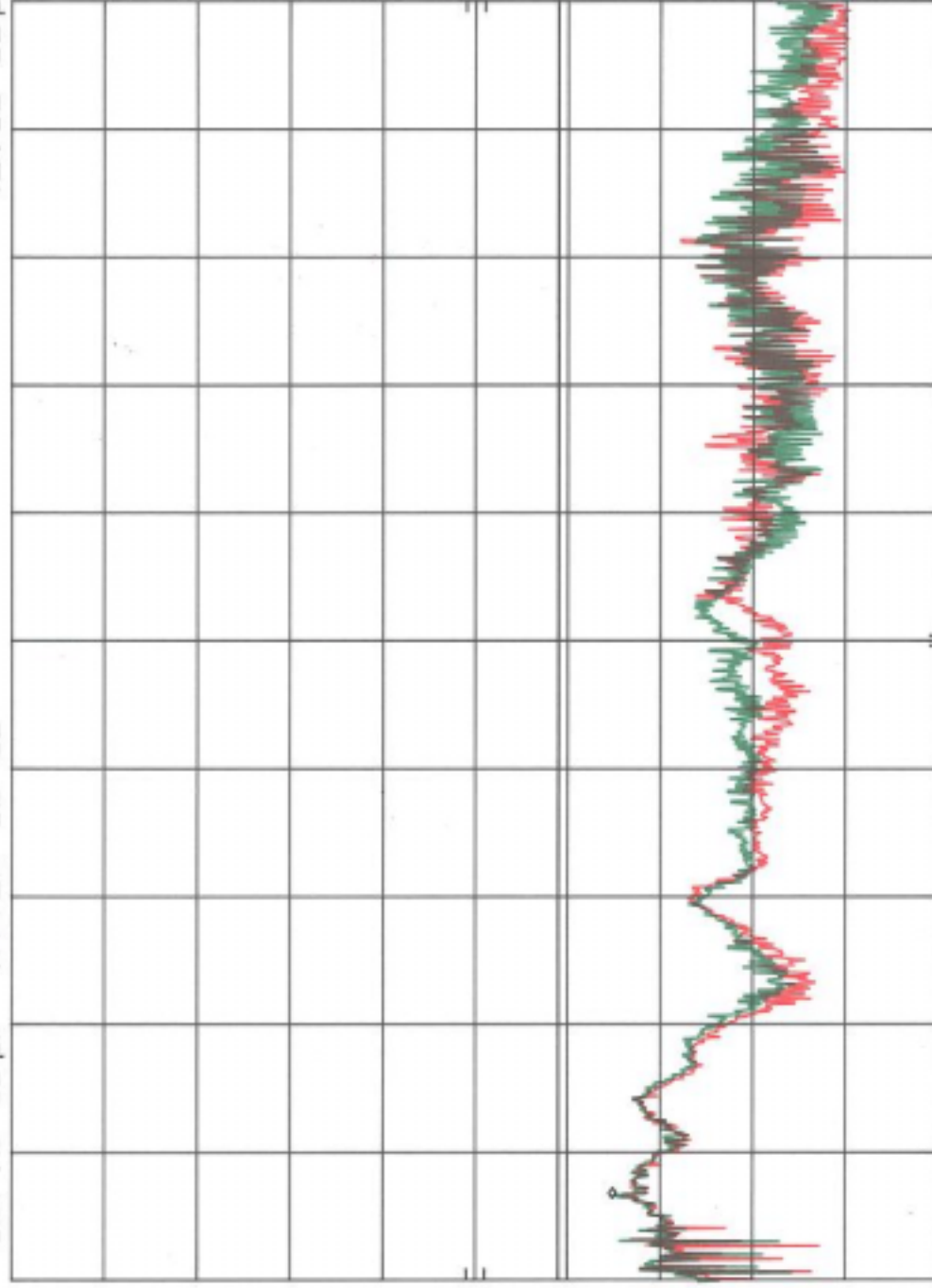


A3KM097 RUN 1600X1200/90Hz 112.5KHz MODE AC220VMKR 2.43 MHz
REF 107.0 dBμV ATTEN 10 dB 42.10 dBμV

hp

10 dB/

DL
48.0
dBμV



START 450 kHz RES BW 10 kHz VBW 10 kHz STOP 30.00 MHz
SWP 750 msec