

**FCC TEST REPORT**Report No. : EMI00-005A  
Tested Date: Mar./10/00

Test Performed By  
Philips Electronics Industries (Taiwan) Ltd.  
Business Electronics  
EMC Lab.  
No. 5, Tze Chiang 1 Road,  
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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.  
107.0KHz mode (1280x1024/100Hz) 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)
73.73	26.92	31.02	40.0
129.11	32.57	32.07	43.5
147.51	31.38	Ambient	43.5
166.05	29.28	28.58	43.5
184.51	30.05	33.55	43.5

FCC ID: A3KM097

221.41	34.32	32.82	46.0
276.76	35.38	34.98	46.0
313.66	33.75	34.15	46.0
332.12	41.56	38.26	46.0
350.58	31.4	31.0	46.0
369.02	34.0	36.0	46.0
387.48	30.83	32.03	46.0
405.93	34.67	36.37	46.0
424.37	33.18	35.98	46.0
442.81	32.03	33.83	46.0
461.27	36.96	37.86	46.0
478.73	33.76	34.86	46.0
516.62	37.63	37.33	46.0
535.06	33.94	33.44	46.0
590.45	39.38	36.38	46.0
608.91	36.98	36.68	46.0
738.02	40.54	39.44	46.0
756.48	38.59	37.69	46.0
830.29	39.48	39.68	46.0

Spectrum Analyzer Setting:

RBW: 100KHz

VBW: 100KHz

Quasi-peak Values were taken with Rohde &amp; 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)
36.91	28.82	36.12	40.0
55.31	29.65	34.75	40.0
498.19	38.93	40.23	46.0
645.77	38.34	40.23	46.0
682.69	37.79	36.99	46.0
922.53	38.49	38.19	46.0
977.89	37.96	37.16	46.0

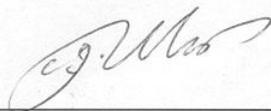
The spectrum was scanned from 30MHz to 1000MHz and the significant emissions were recorded.

Test distance between device under test and receiving antenna was 3-meter.

Sample of calculation:

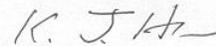
Final value (dBuV/m) = Antenna Factor (dB) + Cable Loss (dB) + Reading value (dBuV/m)

Tested by:

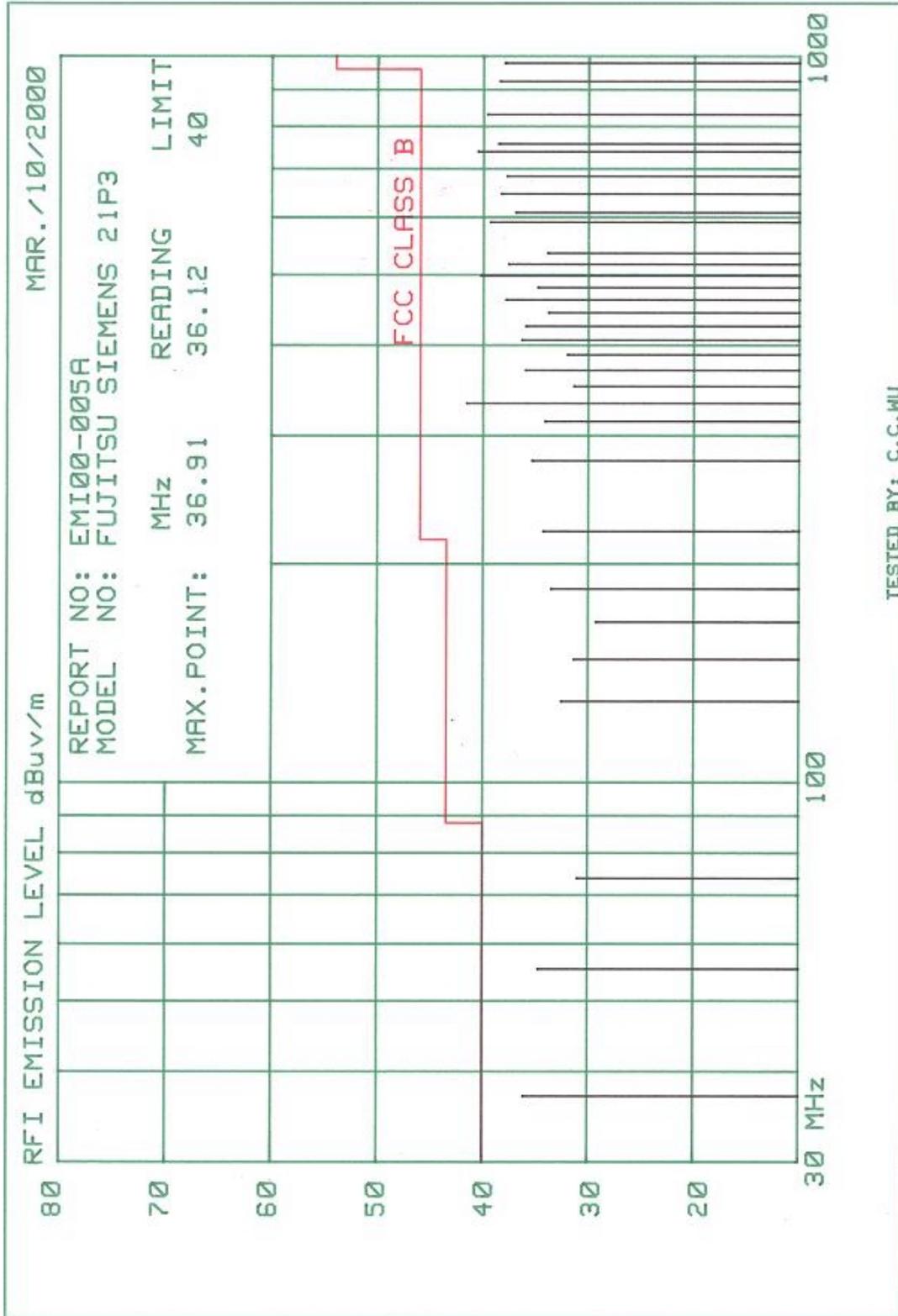


C.C.Wu

Checked by:



K.J.Hsu – EMC Engineer  
NVLAP Signatory

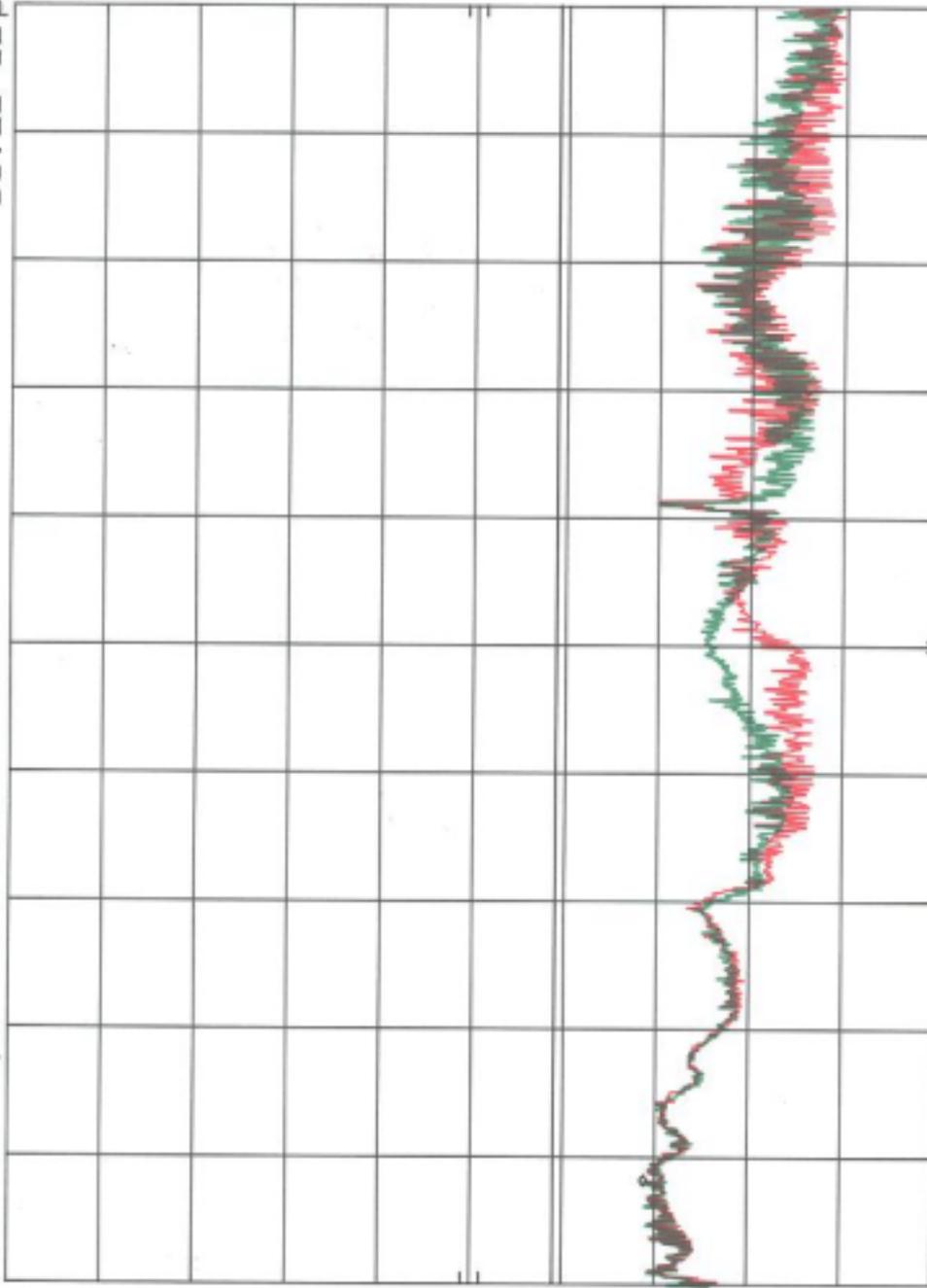


A3KM097 RUN 1280X1024/100HZ 107KHZ MODE AC110V MKR 2.84 MHZ  
REF 107.0 dBμV ATTEN 10 dB 38.20 dBμV

hp

10 dB/

DL  
48.0  
dBμV



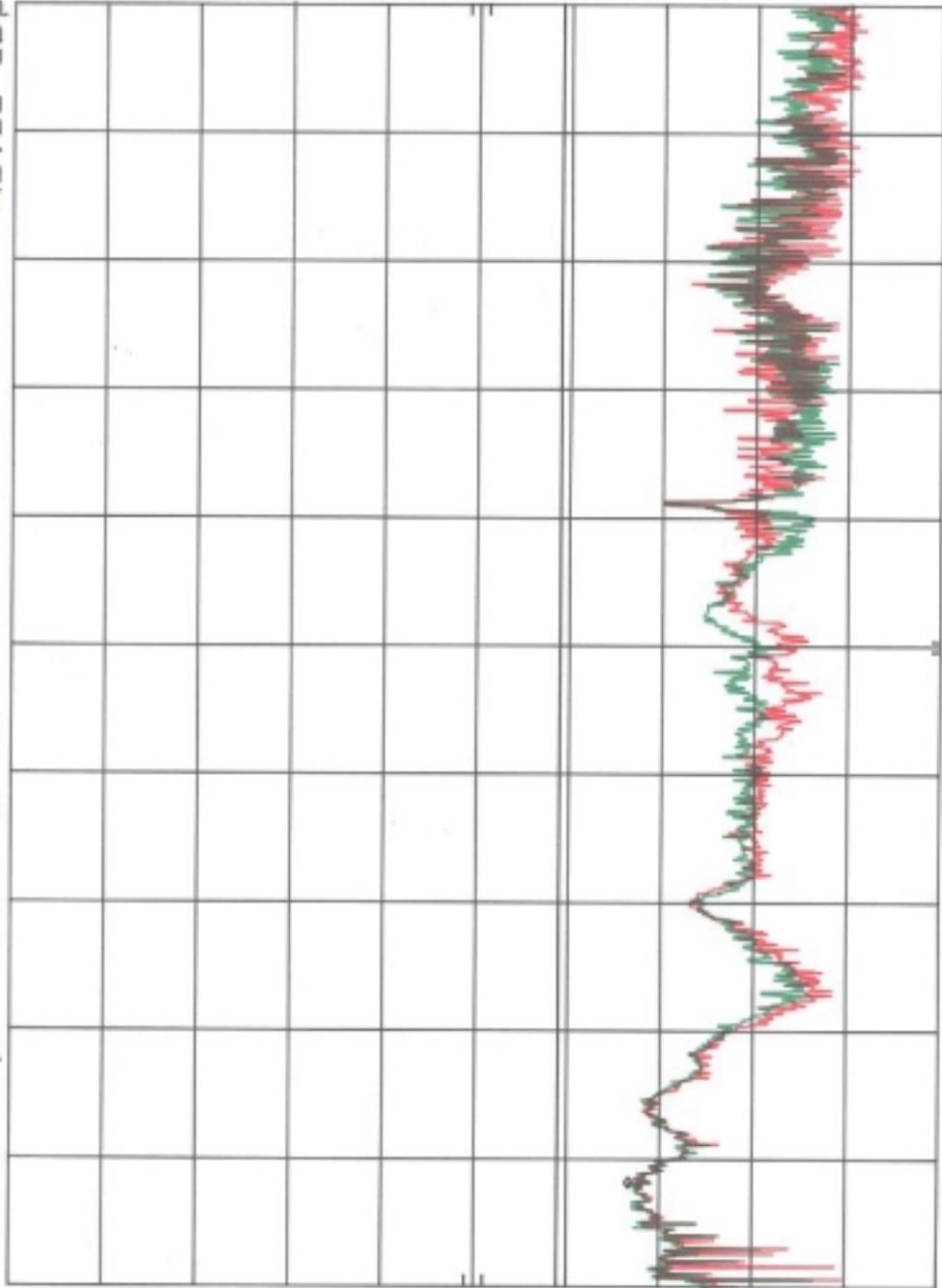
START 450 KHZ RES BW 10 KHZ VBW 10 KHZ STOP 30.00 MHZ  
SWP 750 msec

A3KM097 RUN 1280X1024/100HZ 107KHZ MODE AC220V MKR 2.84 MHZ  
REF 107.0 dBμV ATTEN 10 dB 40.30 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