

FCC TEST REPORT

Report No. : EMI00-003

Tested Date: Feb./11/00

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 : 104S11 color monitor s/n: TY0004003
 FCC ID : A3KM081
2. Computer : HP D5044N s/n: Fr80627955
 FCC ID : B94VECTRAV6DT
3. Keyboard : HP 3746 s/n: J7319E0095
 FCC ID : FCC Logo
4. Mouse : HP M-S34 s/n: LZA73005463
 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 : ATI XPERT LCD s/n:10543
 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.
 53.7KHz mode (800x600/85Hz) 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 (dB μ v/m)	Vertical (dB μ v/m)	FCC/B Limit (dB μ v/m)
37.95	26.88	32.58	40.0
43.37	25.32	31.62	40.0

65.05	25.15	28.15	40.0
70.47	27.1	28.5	40.0
75.89	30.88	29.38	40.0
86.76	25.75	26.95	43.5
113.86	28.04	ambient	43.5
130.12	28.6	27.7	43.5
146.39	33.76	30.16	43.5
151.81	35.4	33.9	43.5
157.23	32.75	31.95	43.5
162.65	33.89	31.59	43.5
168.07	30.54	29.54	43.5
173.46	35.29	36.09	43.5
216.85	32.36	31.16	46.0
326.86	31.64	29.44	46.0
343.51	32.52	30.65	46.0
382.83	33.18	31.48	46.0
426.73	32.14	32.64	46.0
476.67	35.46	35.96	46.0
522.02	36.57	37.67	46.0
655.17	39.84	38.54	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)
119.28	33.84	27.64	43.5
124.7	35.05	30.15	43.5
543.24	35.37	39.27	46.0
582.56	36.79	39.09	46.0

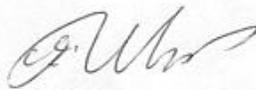
The spectrum was scanned from 30MHz to 1000MHz and the significant emissions were recorded.

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:

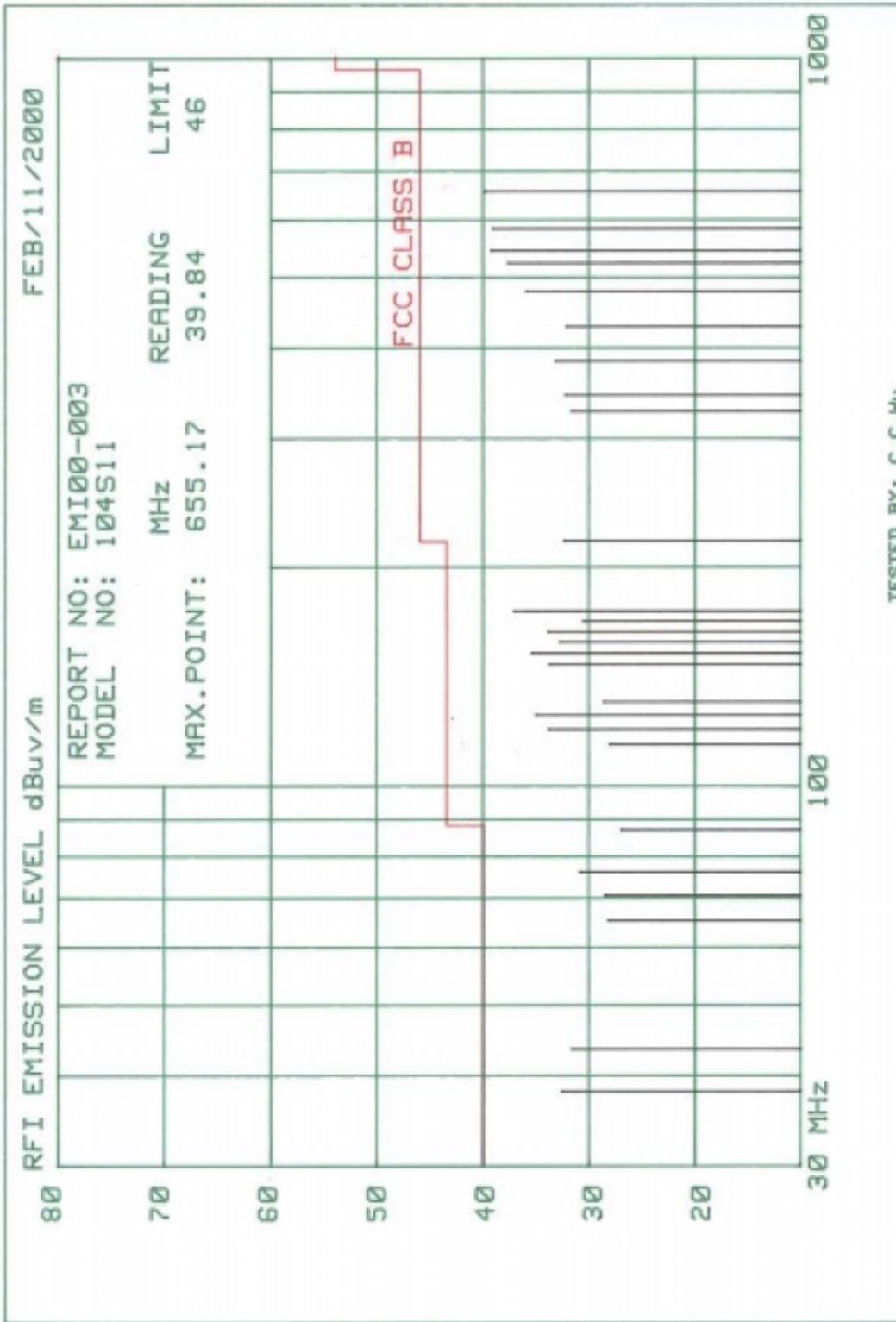


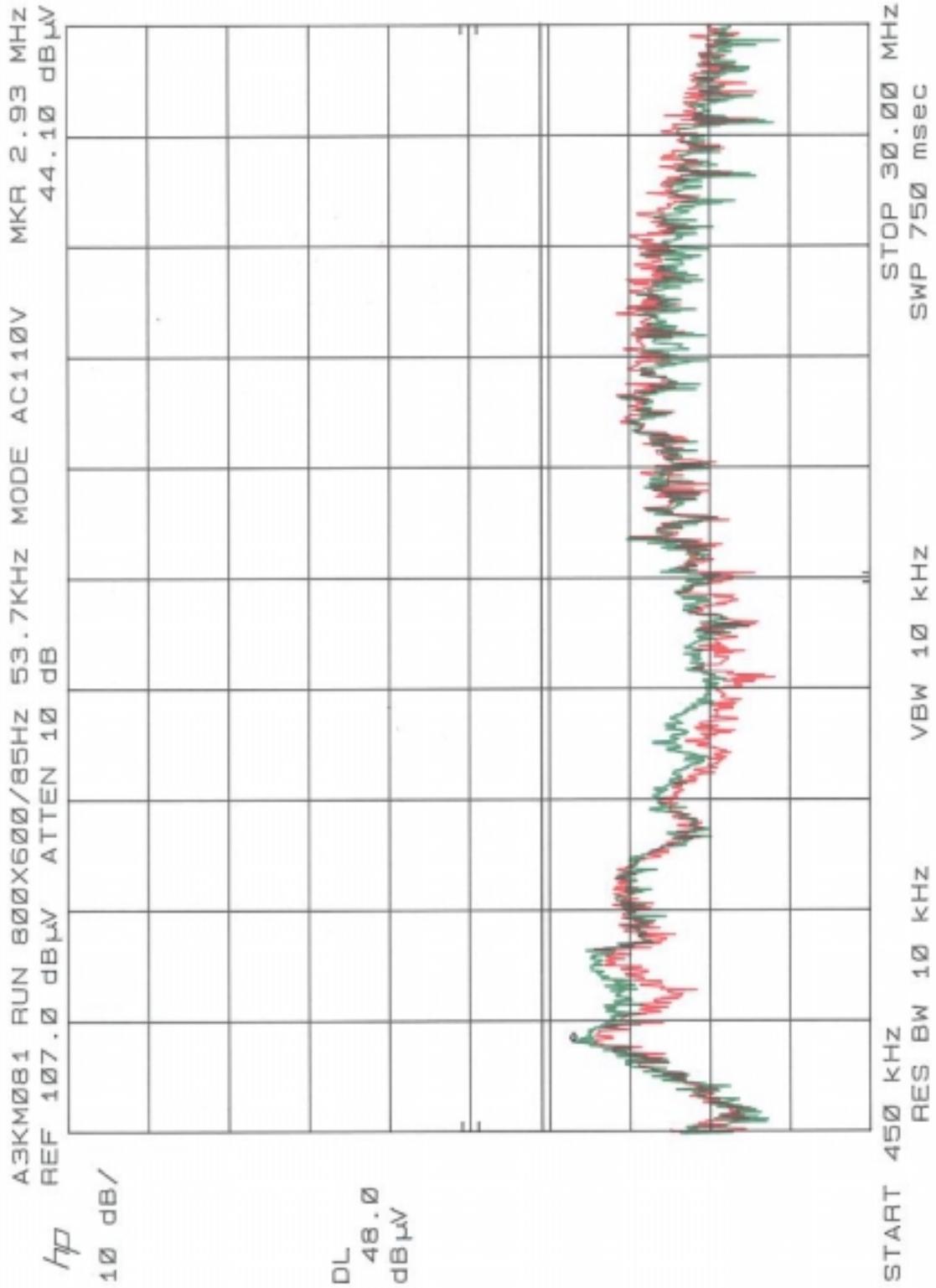
C.C.Wu

Checked by:



K.J.Hsu – EMC Engineer
NVLAP Signatory



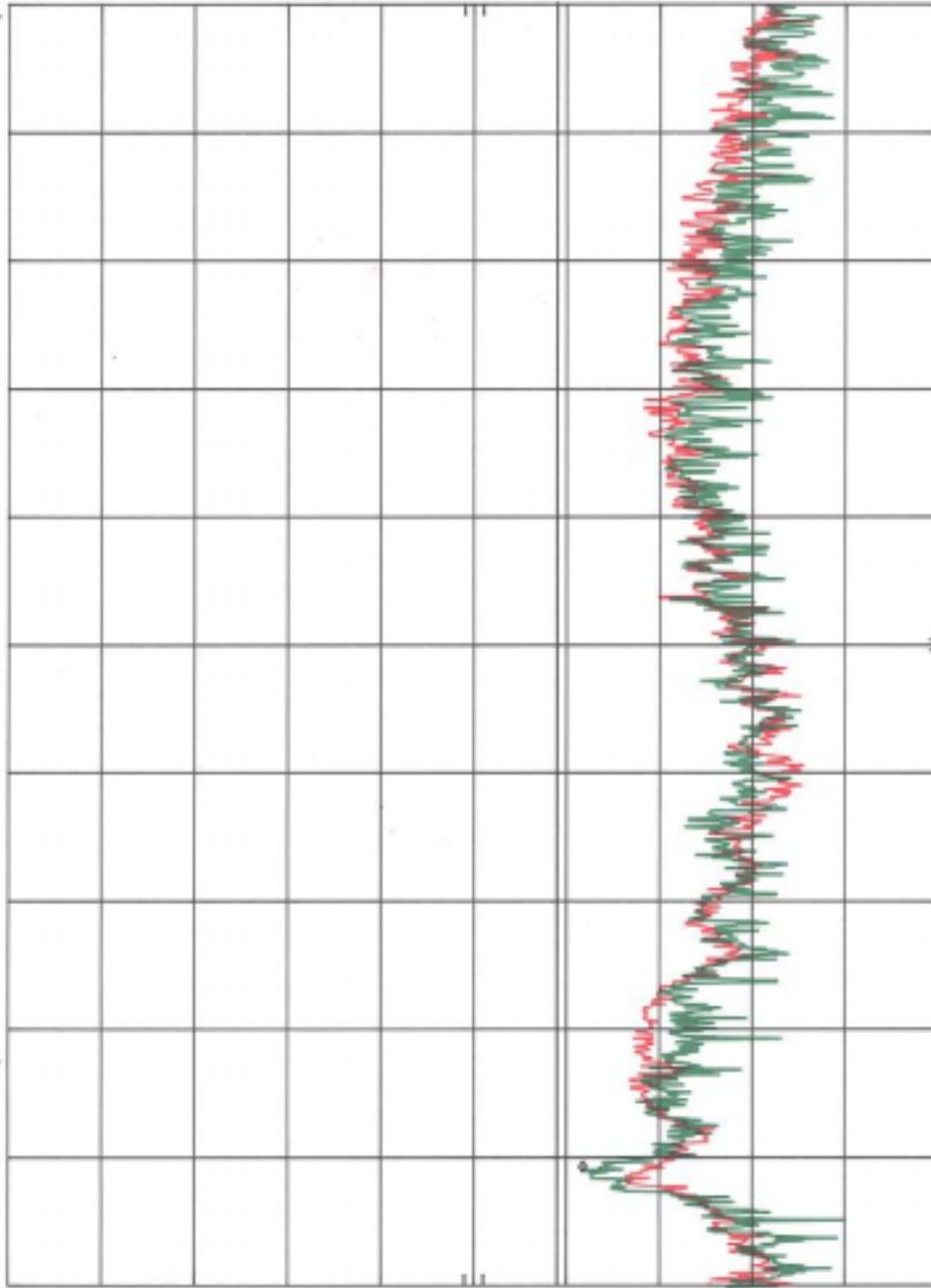


A3KM081 RUN 800X600/85Hz 53.7KHz MODE AC220V MKR 3.17 MHz
REF 107.0 dBµV ATTEN 10 dB 45.20 dBµV

hp

10 dB/

DL
48.0
dBµV



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