FCC TEST REPORT

Report No. : EMI00-007
Tested Date: Mar./22/2000

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	: 140S1	s/n: TY9904065
FCC ID	: A3KM096	
2. Computer	: HP D5044N	s/n: FR80627955
FCC ID	: B94VECTRAV6DT	
3. Keyboard	: HP 3746	s/n: J73I9E0095
FCC ID	: FCC Logo	
4. Mouse	: HP M-S34	s/n: LZA7354
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 GIA	s/n:10543
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.
60.0KHz mode (1024x768/75Hz) was tested.
D-sub flying (undetachable) I/F cable with two ferrite cores was used.
AC adapter with 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)
40.0	26.3	29.4	40.0
75.0	33.7	34.8	40.0
131.25	27.01	29.11	43.5
150.0	29.2	27.8	43.5
168.76	32.27	30.37	43.5
206.25	33.8	35.2	43.5

225.0	32.9	33.6	46.0
262.5	34.32	34.92	46.0
300.0	35.3	36.0	46.0
318.75	31.47	34.27	46.0
337.5	30.61	32.41	46.0
356.25	30.3	32.1	46.0
375.0	31.9	34.4	46.0
393.75	31.28	36.08	46.0
412.5	33.15	39.25	46.0
487.5	33.71	35.31	46.0
506.25	34.04	34.24	46.0
525.0	33.5	35.7	46.0
543.75	37.57	37.87	46.0
562.5	34.21	35.81	46.0
565.25	35.46	34.96	46.0
600.0	36.7	ambient	46.0
618.75	40.40	38.60	46.0
656.25	40.2	38.9	46.0
712.5	38.74	39.44	46.0
862.5	40.51	39.71	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 – QP Value

Frequency (MHz)	Horizontal (dBuv/m)	Vertical (dBuv/m)	FCC/B Limit (dBuv/m)
37.5	32.28	34.98	40.0
56.27	31.16	35.06	40.0
581.25	39.37	40.57	46.0
693.75	41.75	39.75	46.0
731.25	40.02	41.32	46.0
768.75	39.50	39.10	46.0
825.0	37.7	40.0	46.0
843.75	38.7	37.7	46.0
900.0	39.8	40.0	46.0
937.5	39.45	38.75	46.0
975.0	39.3	39.1	54.0

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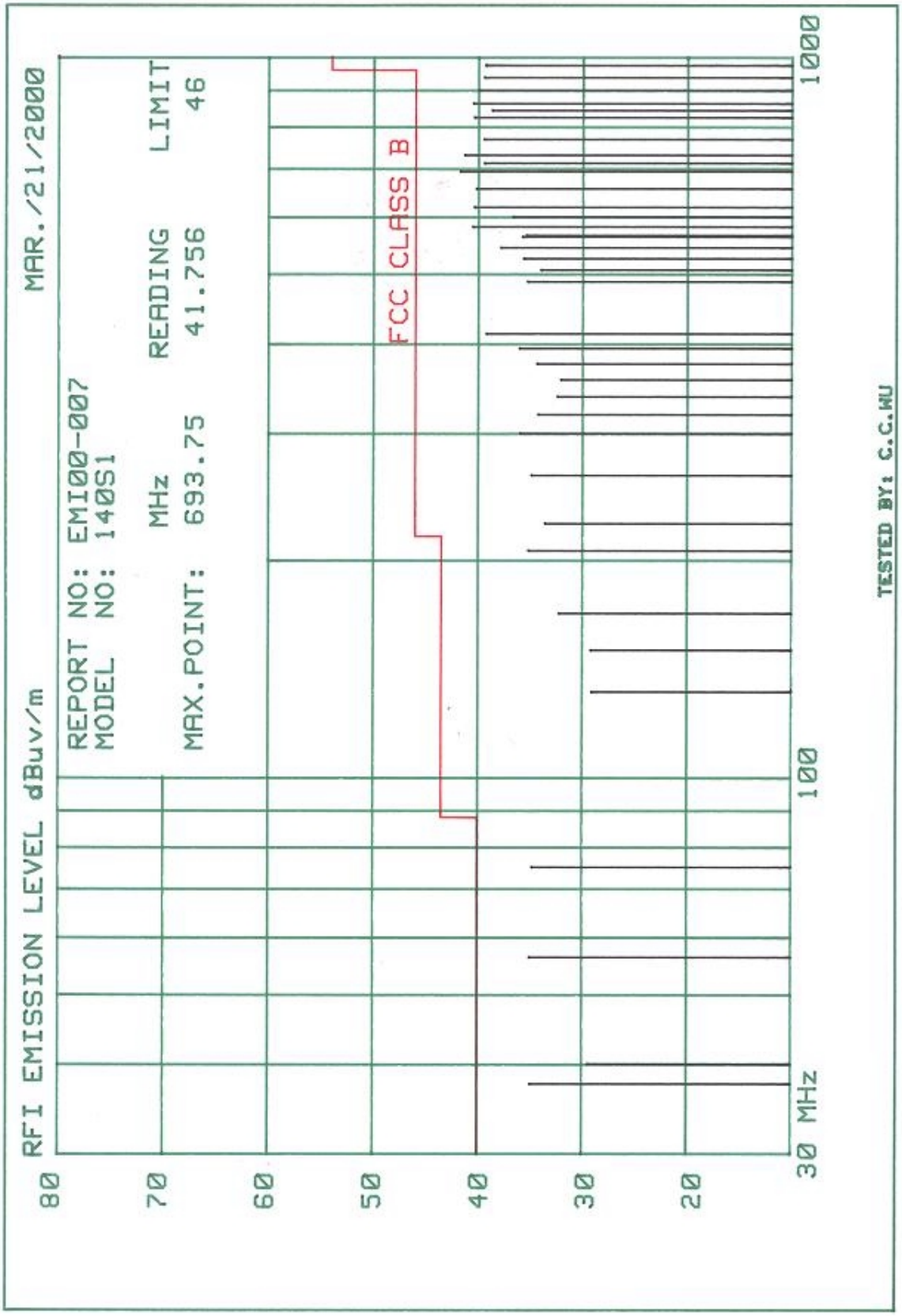
The spectrum was scanned from 30 to 1000MHz and the significant emissions were recorded.
Test distance between device under test and receiving antenna was 3-meter.

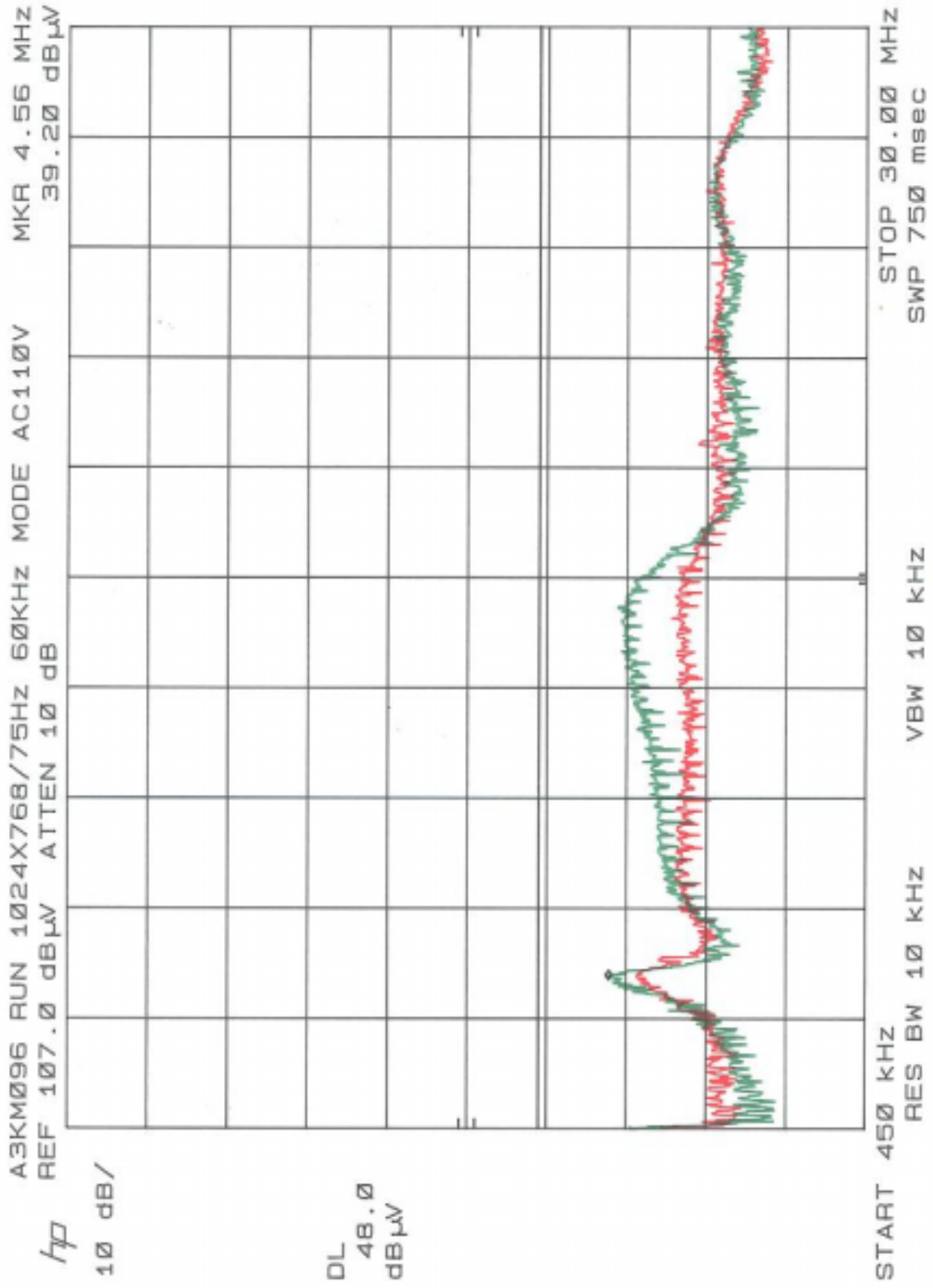
Sample of calculation:
Final value (dBuv/m) = Antenna Factor (dB) + Cable Loss (dBuv) + Reading (dBuv/m)

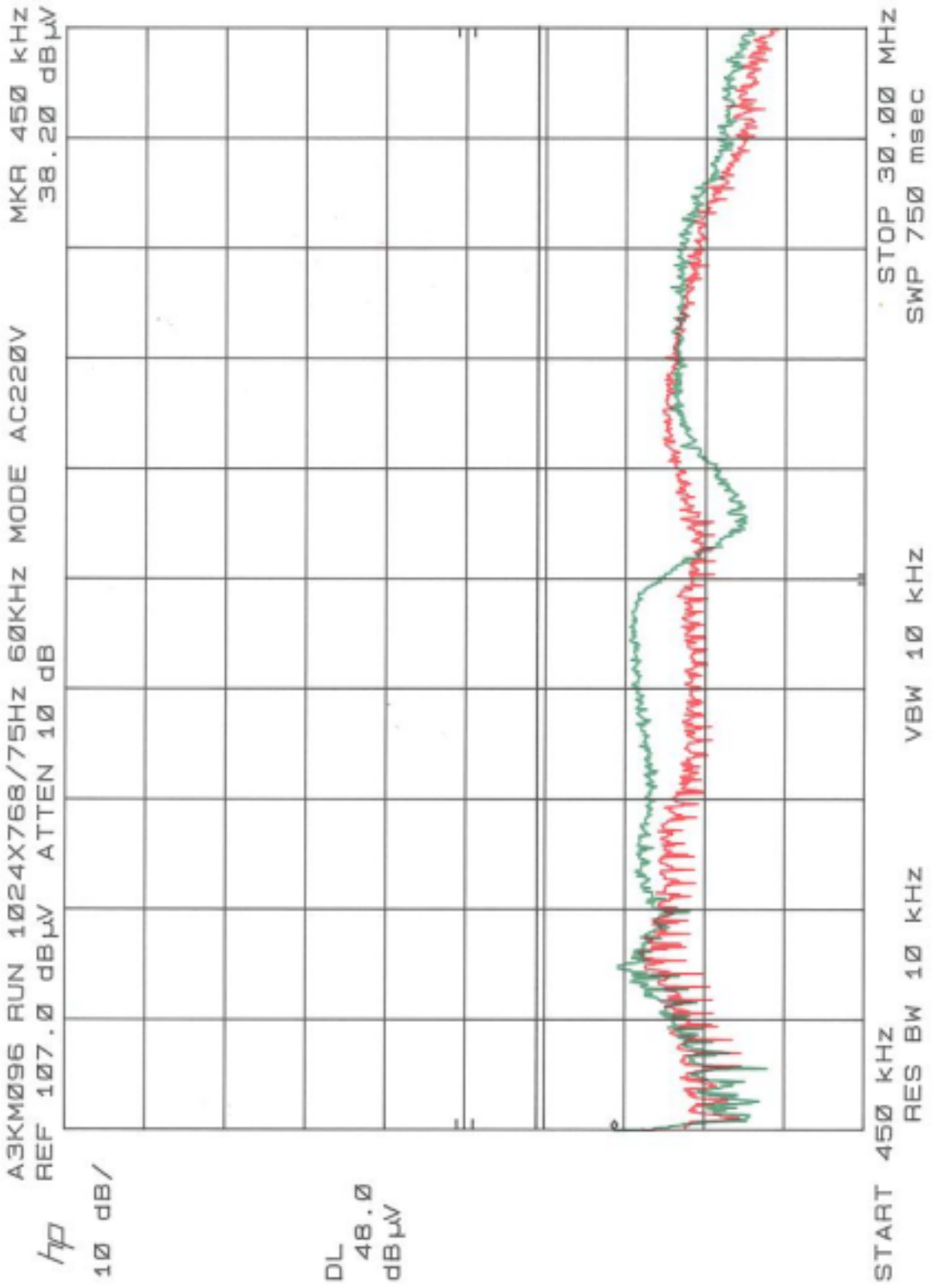
Tested By: _____ Checked By: _____

C.C.Wu

K.J.Hsu – EMC Engineer
NVLAP Signatory


RFI EMISSION LEVEL dBuv/m
MAR./21/2000
REPORT NO: EMI00-007
MODEL NO: 140S1
MHz READING LIMIT
MAX.POINT: 693.75 41.756 46
FCC CLASS B
80
70
60
50
40
30
20
30 MHz
100
1000
TESTED BY: C.C.WU


A3KM096 RUN 1024X768/75Hz 60KHz MODE AC110V
REF 107.0 dBµV ATTEN 10 dB
MKR 4.56 MHz
39.20 dBµV
10 dB/
DL
48.0
dBµV
START 450 kHz
RES BW 10 kHz
VBW 10 kHz
STOP 30.00 MHz
SWP 750 msec


A3KM096 RUN 1024X768/75Hz 60KHz MODE AC220V
MKR 450 kHz
38.20 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