

Exhibit 5

FCC/MELLON

DEC 28 1998

Test Data of Original

FCC TEST REPORT

FCC ID : A3KM086
 REPORT NO.: EMI98-071
 TEST DATE : SEP/26/1998
 TEST ENGI.: C.C.Wu

TEST PERFORMED BY
 PHILIPS ELECTRONICS INDUSTRIES (TAIWAN) LTD.
 CONSUMER ELECTRONICS DIVISION (PEI-CED)
 EMI-LAB
 P.O.BOX 123
 CHUNGLI, TAoyUAN, TAIWAN, R.O.C.
 TEL: 886-3-4549862 FAX: 886-3-4549887

MANUFACTURER : PEI-CED
 TESTED SYSTEM:

1. EUT : 17C2622E COLOR MONITOR S/N.: --
 FCC ID. : A3KM086
2. COMPUTER: HP Pavilion 8140 D5250A S/N.: US72455810
 FCC ID. : FCC LOGO
3. PRINTER : HP 2225C S/N.: 3145S02419
 FCC ID. : DS16XU2225
4. MODEM : USRobotics 268 S/N.: 0002680559278575
 FCC ID. : CJE-0318
5. MOUSE : HP M-S34 S/N.: LCA54625637
 FCC ID. : DZL210472
6. KEYBOARD: HP 5182-5521 S/N.: E03633HLUS-C
 FCC ID. : CIG603633
7. VIDEO CARD : METABYTE GIA S/N.: 101015
 FCC ID. : 127MM-US03A
8. CD_ROMD : SONY CDU31A S/N.: --
 FCC ID. : KGACDU31A2

NOTE: TEST WAS PERFORMED IN ACCORDANCE WITH FCC MEASUREMENT PROCEDURE
 ANSI C63.4-1992 'AMERICAN NATIONAL STANDARD FOR MEASUREMENT OF
 RADIO-NOISE EMISSION FROM LOW-VOLTAGE ELECTRICAL AND ELECTRONIC
 EQUIPMENT IN THE RANGE OF 9KHz TO 40GHz'

MONITOR WAS CONNECTED TO FLOOR MOUNTED AC OUTLET.
 68.7KHz MODE(1024X768/85Hz) WAS TESTED.
 INTERFACE CABLE WITH THREE FERRITE CORES(ONE INSIDE) WAS TESTED.
 UNSHIELDED MAINS CORD WAS USED DURING TEST.

THE TEST EQUIPMENT PLEASE REFER TO EQUIPMENT LIST AS ATTACHED.

DEVIATION: NONE

RADIATED RF LEVEL - PEAK VALUE

FREQUENCY (MHz)	HORIZONTAL (dBuv/m)	VERTICAL (dBuv/m)	FCC CLASS B LIMIT (dBuv/m)
37.22	29.62	33.72	40
46.56	29.18	32.08	40
55.83	27.16	32.76	40
74.46	31.32	29.42	40
83.8	27.3	AMBIENT	40
111.72	30.12	27.82	43.5
121.01	29.83	30.23	43.5

167.54	33.94	29.14	43.5
195.44	30.95	30.05	43.5
223.43	33.56	32.06	46
232.71	36.95	33.35	46
251.35	37.35	33.75	46
260.63	38.74	34.84	46
269.91	36.6	34.5	46
279.26	38.36	AMBIENT	46
297.88	37.46	35.46	46
307.17	33.728	30.728	46
325.8	29.824	29.324	46
344.43	32.156	29.956	46
353.71	32.7	31.1	46
372.09	32	31.3	46
390.97	31.576	31.076	46

ABOVE READINGS ARE PEAK READINGS WITH CABLE AND ANTENNA FACTORS INCLUDED.
SPECTRUM ANALYZER SETTINGS:

RBW : 100KHz

VBW : 100KHz

QUASI-PEAK READINGS ARE TAKEN WITH ROHDE & SCHWARZ EMI TEST RECEIVER
20 - 1000MHz ESVS 30 :

RADIATED RF LEVEL - QUASI-PEAK VALUE

FREQUENCY (MHz)	HORIZONTAL (dBuV/m)	VERTICAL (dBuV/m)	FCC CLASS B LIMIT (dBuV/m)
65.17	31.85	35.85	40
158.26	33.7	28.9	43.5
204.8	32.5	29.6	43.5

THE SPECTRUM WAS SCANNED FROM 30 TO 1000 MHz AND THE SIGNIFICANT EMISSIONS
ARE RECORDED.

TEST DISTANCE BETWEEN DEVICE UNDER TEST AND RECEIVING ANTENNA WAS 3-METER.

SAMPLE CALCULATION :

FINAL VALUE (dBuV/m) = ANTENNA FACTOR (dB) + CABLE (dB) + READING (dBuV/m)

THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN
APPROVAL OF THE LABORATORY

THIS REPORT MUST NOT BE USED BY THE CLIENT TO CLAIM PRODUCT ENDORSEMENT
BY NULAP OR ANY AGENCY OF THE U.S. GOVERNMENT

THE TEST RESULT WAS PASS FCC CLASS B LIMIT.

CHECKED BY:

K. J. HSU

TESTED BY:

C.C. Wu

K.J.HSU, NULAP SIGNATORY

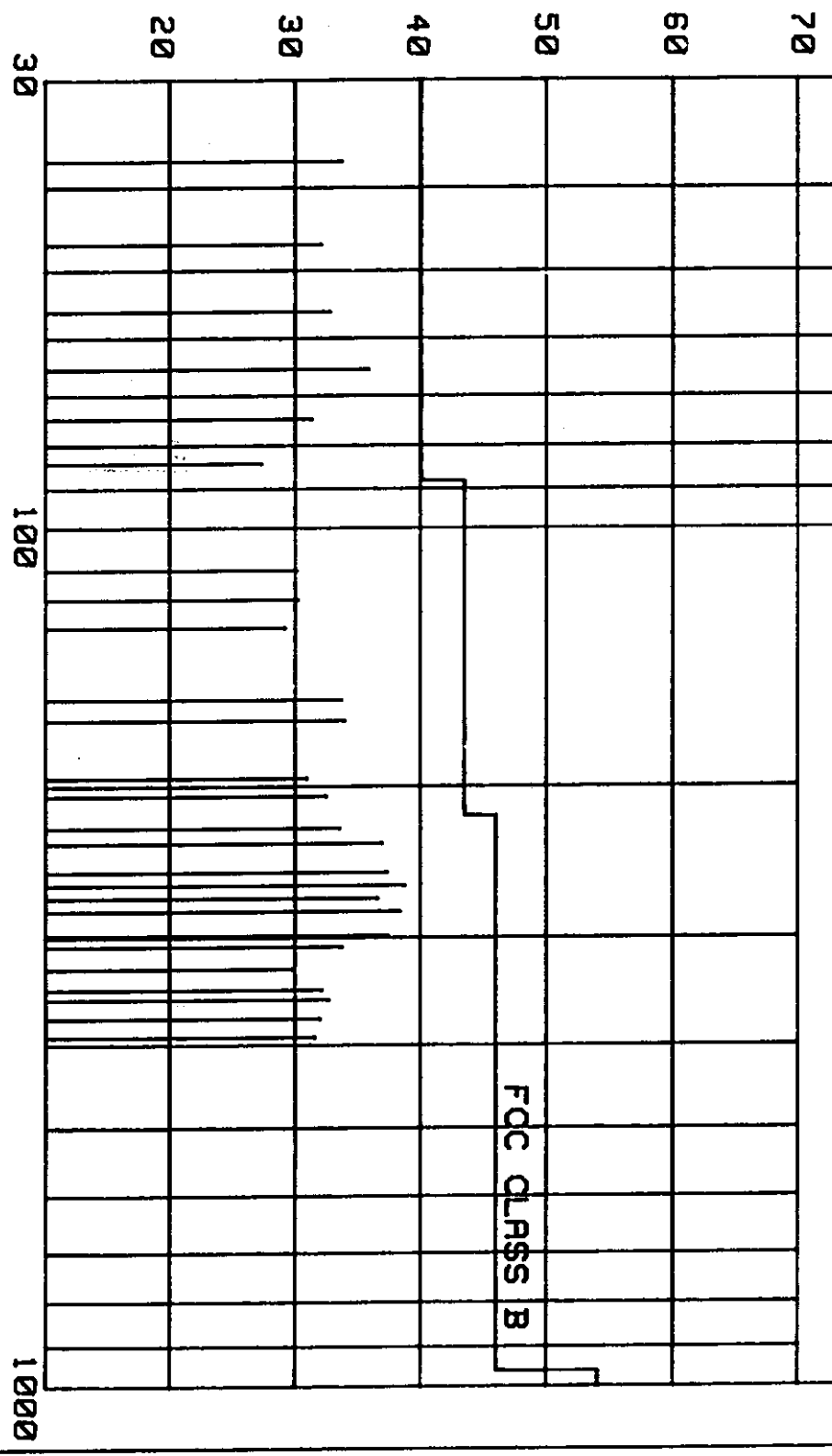
C.C.Wu

RFI EMISSION LEVEL dBuV/m

SEP/26/1998

REPORT NO: EM198-071
MODEL NO: 17C2622E

FOC CLASS B

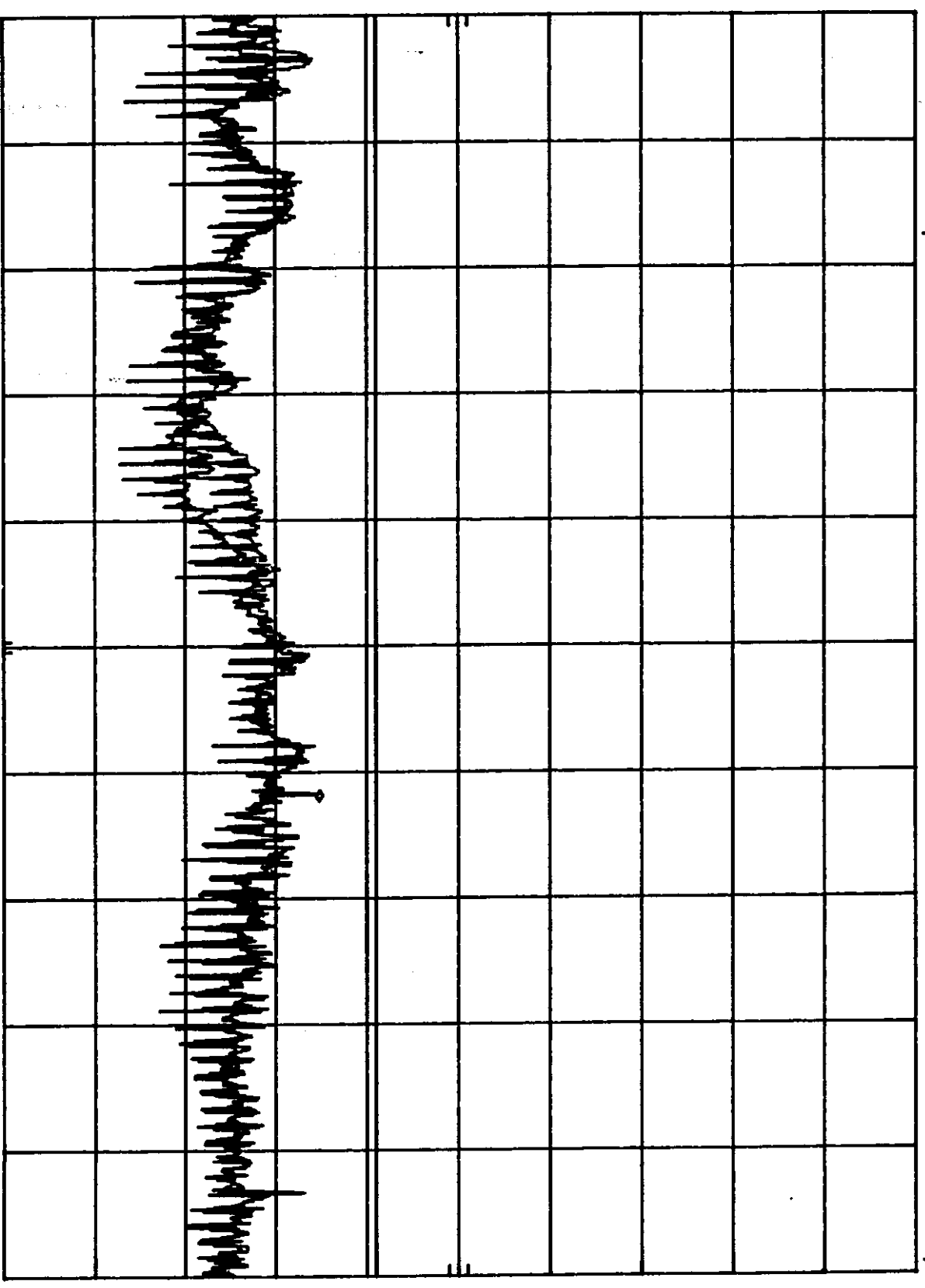


FREQUENCY MHZ

h₀ A3KM086 RUN 1024X768/85Hz 68.7KHz MODE AC220V MKR 18.71 MHz
REF 107.0 dBμV ATTEN 10 dB 41.80 dBμV

10 dB/

DL
48.0
dBμV

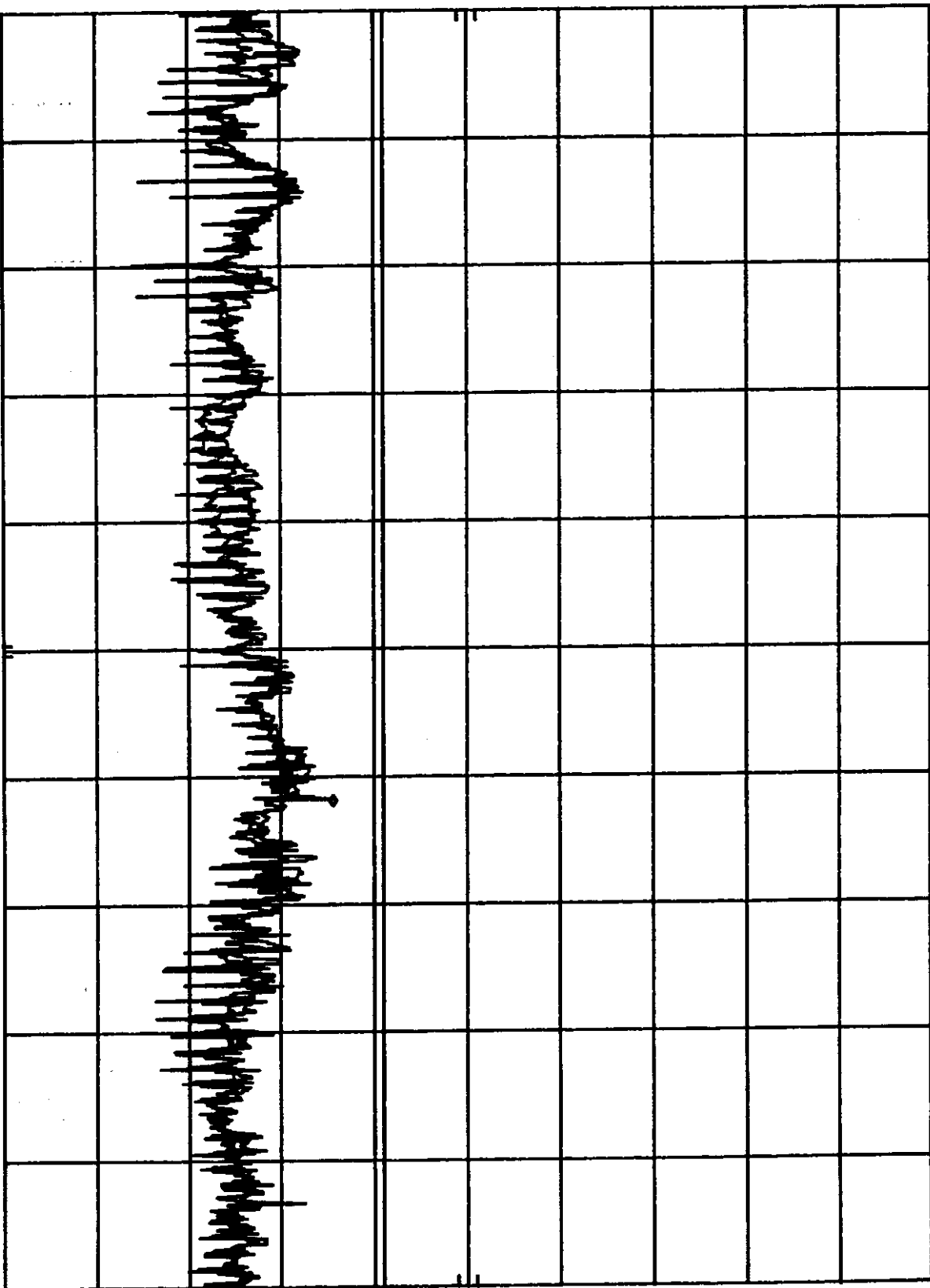


START 450 KHz STOP 30.00 MHz
RES BW 10 KHz VBW 10 KHz SWP 750 msec

hP A3KM086 RUN 1024X768/85Hz 68.7KHz MODE AC110V MKR 18.71 MHz
REF 107.0 dBμV ATTEN 10 dB 42.60 dBμV

10 dB/

DL
48.0
dBμV



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

FCC TEST REPORT

FCC ID : A3KM086
REPORT NO.: EMI98-071A
TEST DATE : OCT./27/1998
TEST ENGI.: C.C.Wu

TEST PERFORMED BY
PHILIPS ELECTRONICS INDUSTRIES (TAIWAN) LTD.
CONSUMER ELECTRONICS DIVISION (PEI-CED)
EMI-LAB
P.O.BOX 123
CHUNGLI, TAoyUAN, TAIWAN, R.O.C.
TEL: 886-3-4549862 FAX: 886-3-4549887

MANUFACTURER : PEI-CED
TESTED SYSTEM:

1. EUT : 17C2622E COLOR MONITOR S/N.: --
FCC ID. : A3KM086
2. COMPUTER: HP Pavilion 8140 D5250A S/N.: US72455810
FCC ID. : FCC L060
3. PRINTER : HP 2225C S/N.: 3145S02419
FCC ID. : DSI8XU2225
4. MODEM : USRobotics 268 S/N.: 0002680559278575
FCC ID. : CJE-0318
5. MOUSE : HP M-S34 S/N.: LCA54625637
FCC ID. : DZL210472
6. KEYBOARD: HP 5182-5521 S/N.: E03633HLUS-C
FCC ID. : C16E03633
7. VIDEO CARD : METABYTE GIA S/N.: 101015
FCC ID. : 127MM-VS03A
8. CD_ROMD : SONY CDU31A S/N.: --
FCC ID. : KGACDU31A2

NOTE: TEST WAS PERFORMED IN ACCORDANCE WITH FCC MEASUREMENT PROCEDURE
ANSI C63.4-1992 "AMERICAN NATIONAL STANDARD FOR MEASUREMENT OF
RADIO-NOISE EMISSION FROM LOW-VOLTAGE ELECTRICAL AND ELECTRONIC
EQUIPMENT IN THE RANGE OF 9KHz TO 406Hz"

MONITOR WAS CONNECTED TO FLOOR MOUNTED AC OUTLET.
64.0KHz MODE(1280X1024/60Hz) WAS TESTED.
INTERFACE CABLE WITH THREE FERRITE CORES(ONE INSIDE) WAS TESTED.
UNSHIELDED MAINS CORD WAS USED DURING TEST.

THE TEST EQUIPMENT PLEASE REFER TO EQUIPMENT LIST AS ATTACHED.

DEVIATION: NONE

RADIATED RF LEVEL - PEAK VALUE

FREQUENCY (MHz)	HORIZONTAL (dBuV/m)	VERTICAL (dBuV/m)	FCC CLASS B LIMIT (dBuV/m)
43.37	32.12	32.02	40
54.21	29.24	31.94	40
65.06	26.05	29.95	40
86.75	32.35	29.35	40
119.3	29.64	28.14	43.5
130.15	33.2	28.7	43.5
184.3	33.16	29.96	43.5
216.86	33.76	31.26	46

238.54	34.35	32.95	46
260.25	38.1	34.8	46
271.08	37.04	34.54	46
292.76	37.36	35.06	46
303.62	38.716	32.516	46
346.96	33.228	31.328	46
357.82	33.2	32.2	46
379.52	31.78	32.38	46
401.17	32.912	32.612	46
412.03	32.044	35.244	46
433.73	33.516	32.816	46

ABOVE READINGS ARE PEAK READINGS WITH CABLE AND ANTENNA FACTORS INCLUDED.
 SPECTRUM ANALYZER SETTINGS:

RBW : 100KHz

VBW : 100KHz

QUASI-PEAK READINGS ARE TAKEN WITH ROHDE & SCHWARZ EMI TEST RECEIVER
 20 - 1000MHz ESVS 30 :

RADIATED RF LEVEL - QUASI-PEAK VALUE

FREQUENCY (MHz)	HORIZONTAL (dBuV/m)	VERTICAL (dBuV/m)	FCC CLASS B LIMIT (dBuV/m)
32.54	29.88	36.08	40
75.9	34.98	31.08	40
151.8	32.2	27.5	43.5
162.65	31.79	26.89	43.5
173.51	34.52	AMBIENT	43.5
195.19	34.05	28.25	43.5
206.01	32.2	30.1	43.5
227.73	31.76	29.56	46
249.4	38.46	33.46	46

THE SPECTRUM WAS SCANNED FROM 30 TO 1000 MHz AND THE SIGNIFICANT EMISSIONS
 ARE RECORDED.

TEST DISTANCE BETWEEN DEVICE UNDER TEST AND RECEIVING ANTENNA WAS 3-METER.

SAMPLE CALCULATION :

FINAL VALUE (dBuV/m) = ANTENNA FACTOR (dB) + CABLE (dB) + READING (dBuV/m)

THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN
 APPROVAL OF THE LABORATORY

THIS REPORT MUST NOT BE USED BY THE CLIENT TO CLAIM PRODUCT ENDORSEMENT
 BY NULAP OR ANY AGENCY OF THE U.S. GOVERNMENT

THE TEST RESULT WAS PASS FCC CLASS B LIMIT.

CHECKED BY:

K. J. Hsu

TESTED BY:

C. C. Wu

K.J.HSU, NULAP SIGNATORY

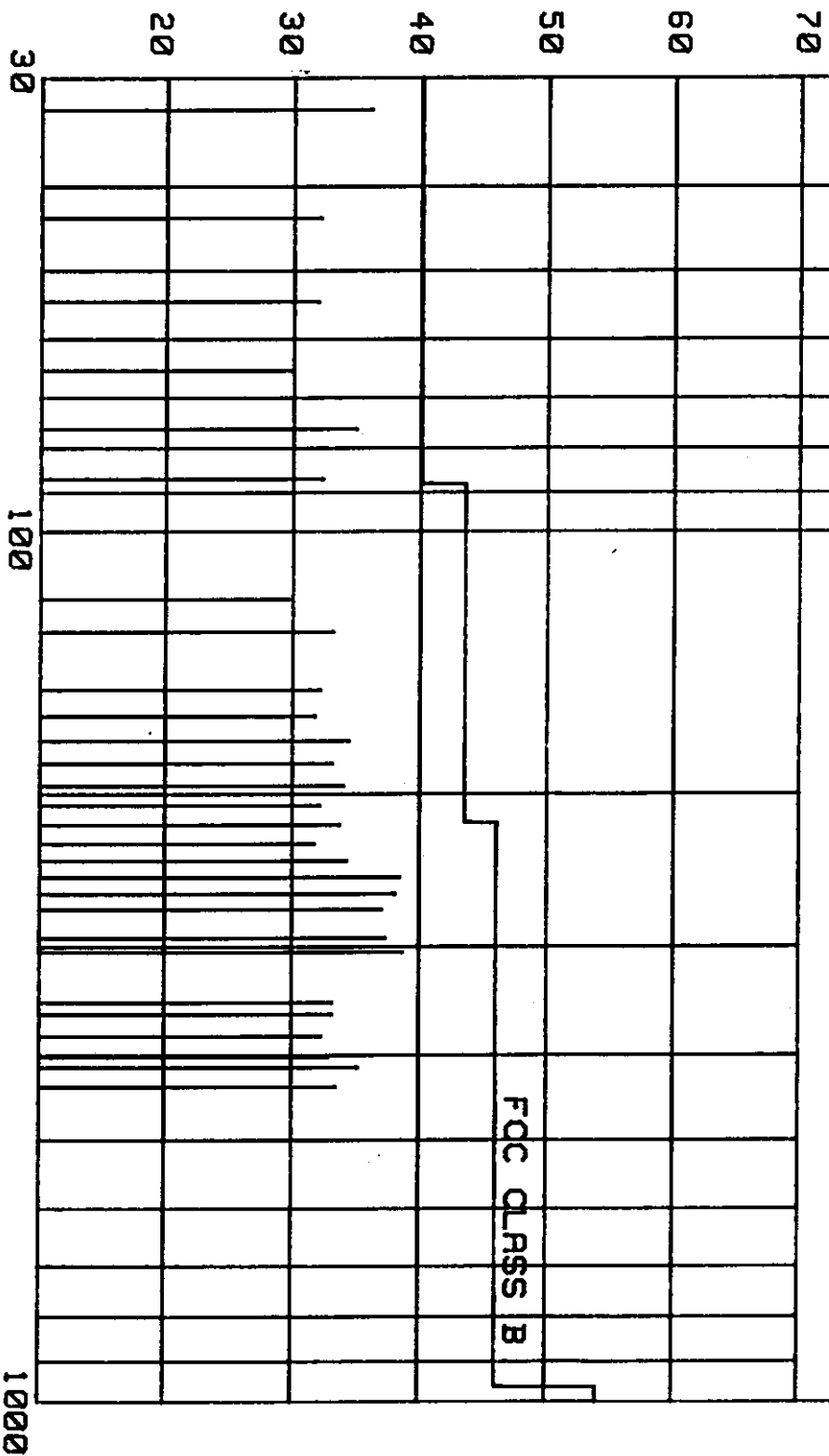
C.C.Wu

80 RFI EMISSION LEVEL dBuV/m

OCT./27/1998

REPORT NO: EMI98-071A
MODEL NO: 17C2622E

FOC CLASS B



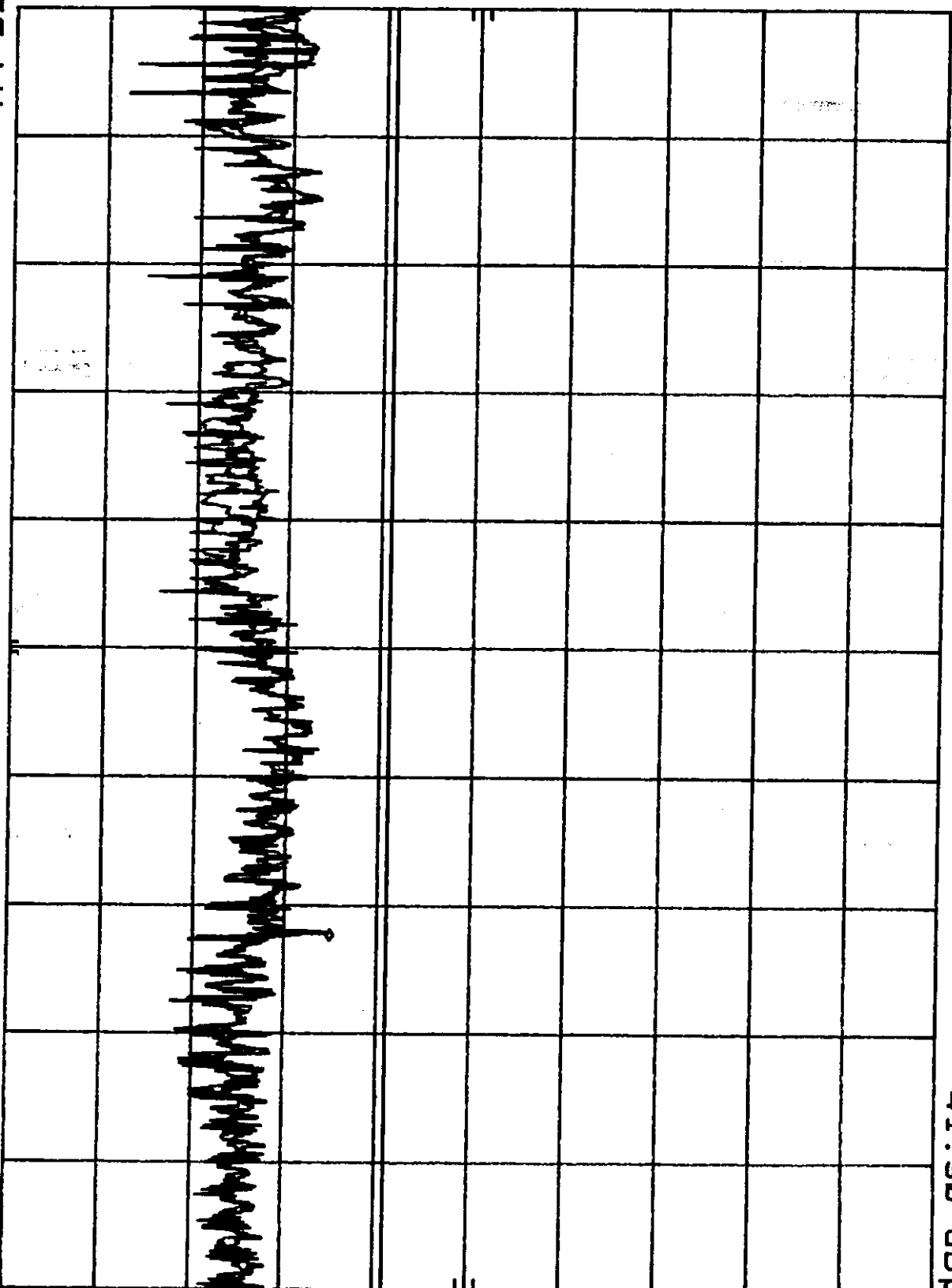
FREQUENCY MHZ

A3KM086 RUN 1280X1024/60HZ 64KHZ MODE AC110V MKR 21.79 MHZ
REF 107.0 DBμV ATTEN 10 DB 41.90 DBμV

10 DB/

HP

DL
48.0
DBμV



START 450 KHZ

RES BW 10 KHZ

VBW 10 KHZ

STOP 30.00 MHZ
SWP 750 msec

Exhibit 6

FCC/MELLOW

DEC 28 1998

**Statement of Data Measured
and
Test Data of Modified**

STATEMENT OF DATA MEASURED

1. General Information of EUT

The EUT, 17" supper VGA color monitor

Model No. : 2237-00N A
 FCC ID : A3KM086
 Brand : IBM

The monitor automatically scans horizontal frequencies between 30KHz and 69KHz , and vertical frequencies between 55Hz and 120Hz. This color monitor displays sharp and brilliant images of text and graphics with a maximum resolution up to 1280X1024 pixels. With microprocessor based digital controlled circuit and software control, the monitor can automatically adjust itself to the video card's scanning frequency and displays an image with the precise parameters you desire.

The monitor has 9 factory-preset modes as indicated in the following table:

	Resolution	H-Frequency	V-Frequency	Remark
M01	720 X 400	31.5KHz	70Hz	Non-interlaced
M02	640 X 480	31.5KHz	60Hz	Non-interlaced
M03	640 X 480	37.5KHz	75Hz	Non-interlaced
M04	640 X 480	43.3KHz	85Hz	Non-interlaced
M05	800 X 600	46.9KHz	75Hz	Non-interlaced
M06	800 X 600	53.7KHz	85Hz	Non-interlaced
M07	1024 X 768	60.0KHz	75Hz	Non-interlaced
M08	1024 X 768	68.7KHz	80Hz	Non-interlaced
M09	1280 X 1024	64.0KHz	60Hz	Non-interlaced

2. Test Equipment and Procedure

Test was performed by:

PHILIPS ELECTRONICS INDUSTRIES (TAIWAN) LTD.
 CONSUMER ELECTRONICS DIVISION
 EMI - LAB

5, Tze Chiang 1 Road, Chungli Industrial Park
 P.O. Box 123, Chungli, Taoyuan, Taiwan
 R. O. C.

Tel : 886-3-4549862 Fax : 886-3-4549887
 E-mail: ronnie.yang@tw.ccmail.philips.com

The test was performed in accordance with ANSI C63.4-1992, "AMERICAN NATIONAL STANDARD FOR MEASUREMENT OF RADIO-NOISE EMISSION FROM LOW-VOLTAGE ELECTRICAL AND ELECTRONIC EQUIPMENT IN THE RANGE OF 9KHz TO 40GHz"

Test equipment used for line Conducted and Radiated emissions as following. All equipment were calibrated according to ANSI C63.4-1992 and ISO-9000 requirement unless otherwise specified.

Test Equipment	Model No.	Serial No.	Calibrated Date
Spectrum	HP8568B	2415A00346	7/21/1998
RF Preselector	HP85685A	2901A00946	7/21/1998
QP Adapter	HP85650A	2043A00366	7/21/1998
EMI Receiver	HP85460A	3441A00199	8/27/1998
RFI Filter Section	HP85460A	3330A00177	8/27/1998
EMI Receiver	R & S ESVS30	8419977/066	8/21/1998
Biconical Antenna	EMCO 3110B	2863	3/10/1998
Biconical Antenna	EMCO 3110B	2864	3/10/1998
Log-Periodic Antenna	EMCO 3146A	1377	3/10/1998
Log-Periodic Antenna	EMCO 3146A	1378	3/10/1998
LISN	EMCO 3825/2	9311-2153	3/23/1998
LISN	EMCO 3825/2	9311-2154	3/23/1998
Turn Table	EMCO 1060	1068	4/16/1998
Antenna Tower	EMCO 1050	1113	4/16/1998
RF Cable	M17/75-RG214-NE	N/A	4/16/1998
Computer	HP9000/300	2614A78610	N/A
Printer	HP2225A	2728S02586	N/A
Plotter	HP7440A	2539A40856	N/A

Traceability to R.O.C. and international standards is assured by using calibrated all equipment.

For system measurement, the EUT "2236-00N A" was connected to:

Item	Model No.	Serial No.	FCC ID
1. Computer	IBM 6588-120	556N59M	AN02161V
2. Keyboard	IBM KB-9826	K071940	E8HKB-5323
3. Mouse	IBM M-S34	23-146196	DZL211029
4. Printer	HP 2225C	3123S97227	DSI6XU2225
5. Modem	USRobotics 268	2680559278575	CJE-0318
6. Vide Card	Built-in	--	--

The system was configured for testing in a typical fashion (as a customer would normally use it) according to ANSI C63.4-1992, please see the photographs for detail.

Both conducted and radiated testing were performed according to the procedure in ANSI C63.4-1992. Conducted testing was performed in screen room and radiated testing was performed in open site at an antenna to EUT distance of 3-meter on horizontal and vertical polarization.

First, pre-scan all modes in screen room then select 2 higher modes (worst case) were tested and reported.

The line conductive interference was tested with 110VAC and 220VAC receptively. Unshielded power cord was used during test.

Tested and reported modes as following:

Report No.	Resolution	Frequencies
EMI98-081	1024 X 768	68.7KHz/85Hz
EMI98-081A	1280X 1024	64.0KHz/60Hz

3. Test Program and Test Results

Set up the EUT and all peripherals as chapter 6 of ANSI C63.4-1992 for AC power line conducted emissions testing and radiated emissions testing.

Turn on the power of EUT and all peripherals, select an appropriate displaying mode using the "setup" software. Then run an EMI test program "HTEST.EMI" as a basic software to execute the EUT operating under test.

- Step 1 : Run the "HTEST.EMI" on personal computer then sends "H" character to monitor continuously until full screen.
- Step 2 : Personal computer sends a complete line of continuously repeating "H" to HP 2225C printer.
- Step 3 : Personal computer sends a file of "H" pattern to floppy disk then read a file of "H" pattern from floppy disk.
- Step 4 : Personal computer sends a file of "H" pattern to hard disk then read a file of "H" pattern from hard disk.
- Step 5 : Personal computer sends a file of "H" patter to USRobotics 268 modem.
- Step 6 : Return to step 1

All data in this report are "PEAK" value within 15dB margin unless otherwise noted.
The radiated (open site) data has included antenna and cable factors, sample calculation:

Final Value (dB μ v/m) = Reading (dBuv) + Antenna Factor (dB) + Cable Loss (dB)

The measured data of radiated RF interference at open site and line conducted interference as attached.

The subject device is in compliance with the limits for a class B digital device, pursuant to part 15, subpart B of the FCC rules.



Ronnie Yang - Manager, Safety/Dev. PEI-CED
NVLAP Signatory

FCC TEST REPORT

FCC ID : A3KM086
REPORT NO.: EMI98-081
TEST DATE : OCT/31/1998
TEST ENGI.: C.C.Wu

TEST PERFORMED BY
PHILIPS ELECTRONICS INDUSTRIES (TAIWAN) LTD.
CONSUMER ELECTRONICS DIVISION (PEI-CED)
EMI-LAB
P.O.BOX 123
CHUNGLI, TAOYUAN, TAIWAN, R.O.C.
TEL: 886-3-4549862 FAX: 886-3-4549887

MANUFACTURER : PHILIPS
TESTED SYSTEM:

1. EUT : IBM 2237-00N A COLOR MONITOR S/N.: TY9804081
FCC ID. : A3KM086
2. COMPUTER: IBM 8588-120 S/N.: 556N59M
FCC ID. : AN02181V
3. PRINTER : HP 2225C S/N.: 3145S02419
FCC ID. : DSI6XU2225
4. MODEM : USRobotics 268 S/N.: 0002680559278575
FCC ID. : CJE-0318
5. MOUSE : IBM M-534 S/N.: 23-146198
FCC ID. : DZL211029
6. KEYBOARD: IBM KB-9826 S/N.: K071940
FCC ID. : E8HKB-5323
7. VIDEO CARD : BUILT-IN S/N.: --
FCC ID. : --

NOTE: TEST WAS PERFORMED IN ACCORDANCE WITH FCC MEASUREMENT PROCEDURE
ANSI C63.4-1992 "AMERICAN NATIONAL STANDARD FOR MEASUREMENT OF
RADIO-NOISE EMISSION FROM LOW-VOLTAGE ELECTRICAL AND ELECTRONIC
EQUIPMENT IN THE RANGE OF 9KHz TO 406Hz"

MONITOR WAS CONNECTED TO FLOOR MOUNTED AC OUTLET.
68.7KHz MODE(1024X768/85Hz) WAS TESTED.
INTERFACE CABLE WITH THREE FERRITE CORES(ONE INSIDE) WAS TESTED.
UNSHIELDED MAINS CORD WAS USED DURING TEST.

THE TEST EQUIPMENT PLEASE REFER TO EQUIPMENT LIST AS ATTACHED.

DEVIATION: NONE

RADIATED RF LEVEL - PEAK VALUE

FREQUENCY (MHz)	HORIZONTAL (dBuV/m)	VERTICAL (dBuV/m)	FCC CLASS B LIMIT (dBuV/m)
37.95	28.48	33.08	40
47.43	25.68	32.48	40

56.91	26.47	29.87	40
85.35	27.15	AMBIENT	40
113.82	30.24	31.94	43.5
123.31	29.79	29.59	43.5
132.79	27.13	28.03	43.5
142.28	32.72	AMBIENT	43.5
151.76	28.3	27.7	43.5
208.67	34.6	AMBIENT	43.5
218.16	34.34	33.24	46
218.86	31.12	30.72	46
237.13	33.95	33.55	46
256.09	36.7	35.8	46
265.6	37.34	36.04	46
303.54	35.116	33.816	46
313.02	33.852	34.952	46
322.84	31.892	31.892	46
331.98	31.568	30.568	46
350.96	32.5	33.1	46
360.46	33.8	33.6	46
379.42	33.444	33.844	46
398.38	32.428	33.228	46
407.88	34.196	33.796	46
426.85	33.448	32.648	46
445.81	33.504	35.404	46
455.3	35.92	36.32	46
521.71	36.076	34.476	46
540.67	34.664	34.164	46
550.15	34.5	35.3	46
569.13	38.856	38.756	46
578.63	35.748	36.148	46
588.11	36.156	37.156	46
768.34	39.688	39.788	46

ABOVE READINGS ARE PEAK READINGS WITH CABLE AND ANTENNA FACTORS INCLUDED.
SPECTRUM ANALYZER SETTINGS:

RBW : 100KHz

VBW : 100KHz

QUASI-PEAK READINGS ARE TAKEN WITH ROHDE & SCHWARZ EMI TEST RECEIVER
20 - 1000MHz ESVS 30 :

RADIATED RF LEVEL - QUASI-PEAK VALUE

FREQUENCY (MHz)	HORIZONTAL (dBuV/m)	VERTICAL (dBuV/m)	FCC CLASS B LIMIT (dBuV/m)
66.39	27.18	33.98	40
75.87	32.18	36.08	40
161.24	32.13	29.63	43.5
170.74	34.33	31.73	43.5
616.56	36.044	35.144	46
711.42	38.156	37.156	46
730.39	36.44	36.74	46
758.86	39.044	39.144	46
777.82	36.148	35.548	46

THE SPECTRUM WAS SCANNED FROM 30 TO 1000 MHz AND THE SIGNIFICANT EMISSIONS ARE RECORDED.

TEST DISTANCE BETWEEN DEVICE UNDER TEST AND RECEIVING ANTENNA WAS 3-METER.

SAMPLE CALCULATION :

FINAL VALUE (dBuv/m) = ANTENNA FACTOR (dB) + CABLE (dB) + READING (dBuv/m)

THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF THE LABORATORY

THIS REPORT MUST NOT BE USED BY THE CLIENT TO CLAIM PRODUCT ENDORSEMENT BY NULAP OR ANY AGENCY OF THE U.S. GOVERNMENT

THE TEST RESULT WAS PASS FCC CLASS B LIMIT.

CHECKED BY:

K. J. Hs

K.J.HSU, NULAP SIGNATORY

TESTED BY:

C.C. Wu

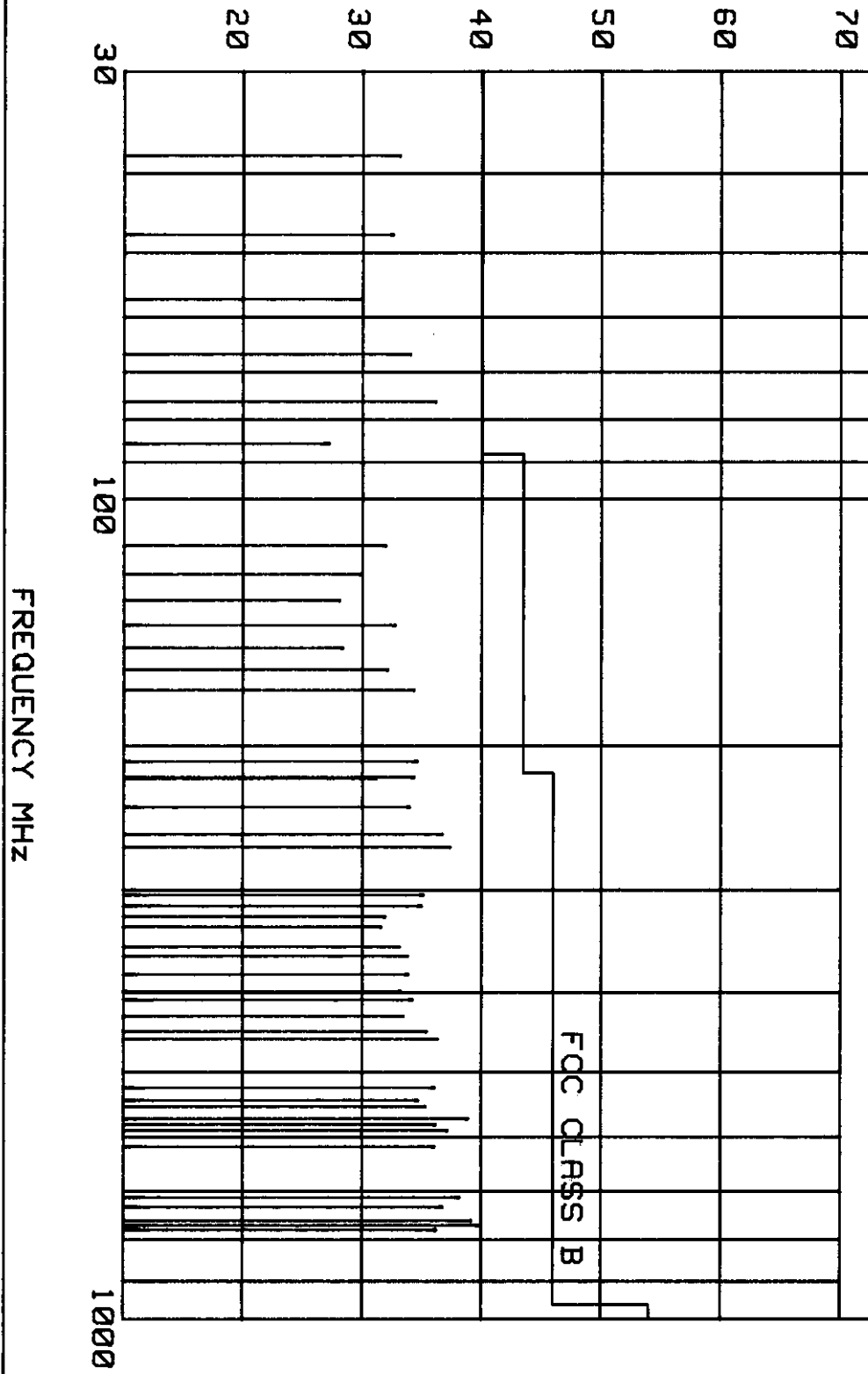
C.C.Wu

RFI EMISSION LEVEL dBuV/m

OCT/31/1998

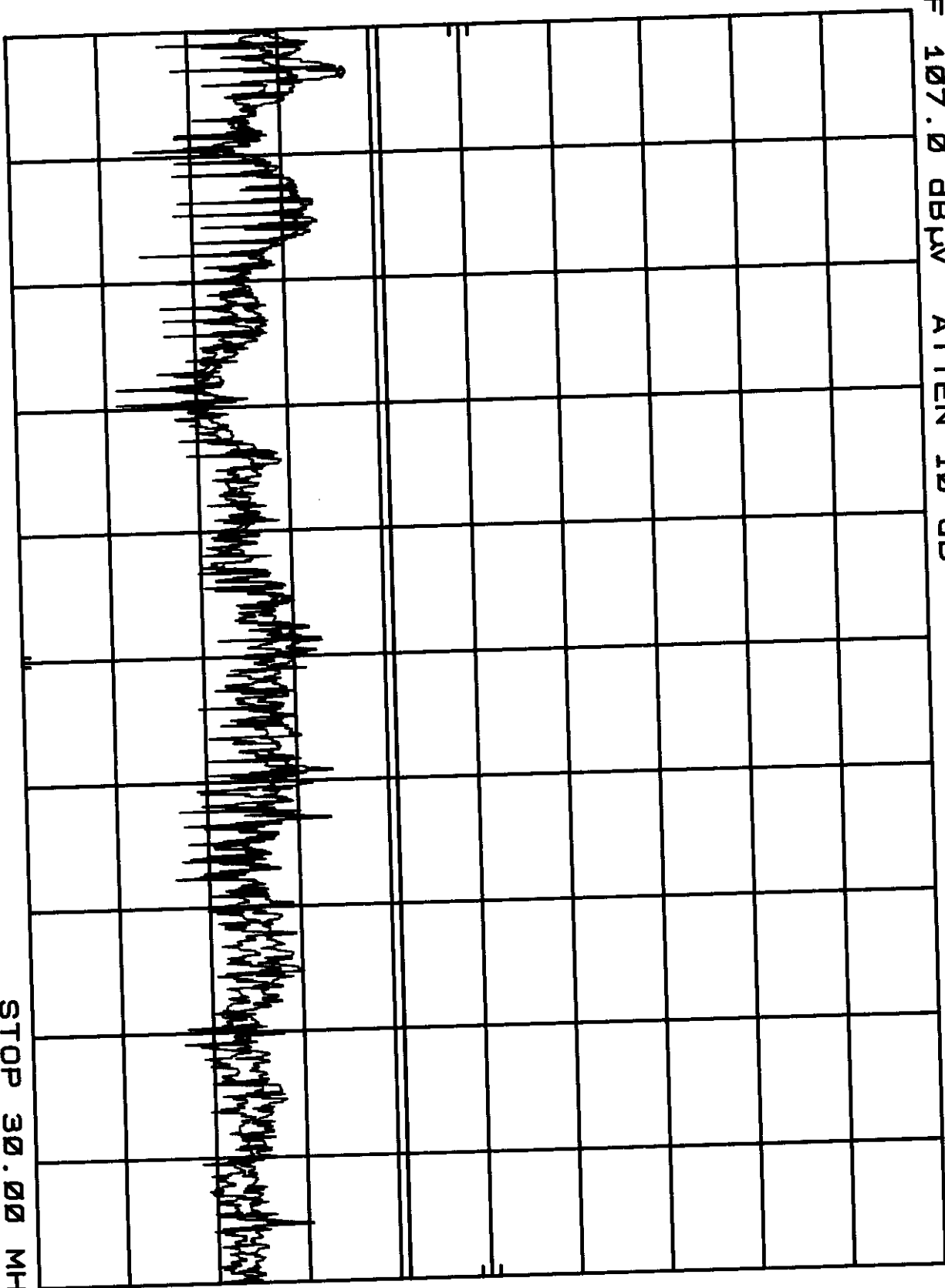
REPORT NO: EMI98-081
MODEL NO: IBM 2237-00N R

FCC CLASS B



hp
10 dB/
IBM 2237-00N A 1024X768/85Hz 68.7KHz AC220V MKR 1.45 MHz
REF 107.0 dBμV ATTEN 10 dB 43.90 dBμV

DL
48.0
dBμV

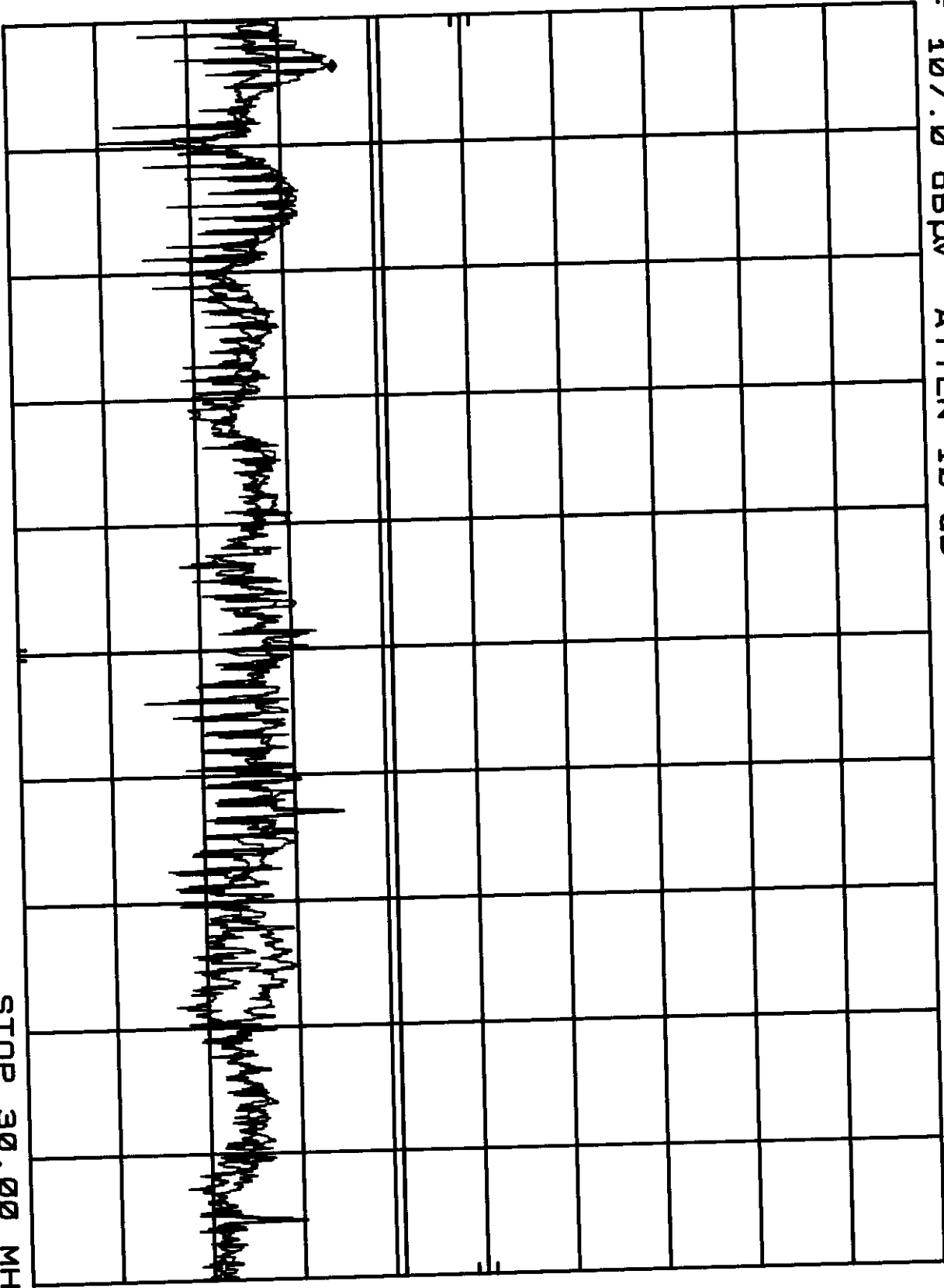


START 450 KHz RES BW 10 KHz VBW 10 KHz STOP 30.00 MHz
SWP 750 msec

hp
10 dB/

IBM 2237-00N A 1024X768/85HZ 68.7KHZ AC110V MKR 1.54 MHZ
REF 107.0 dBμV ATTEN 10 dB 42.90 dBμV

DL
48.0
dBμV



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

FCC TEST REPORT

FCC ID : A3KM086
REPORT NO.: EMI98-081A
TEST DATE : NOV/02/1998
TEST ENGI.: C.C.Wu

TEST PERFORMED BY
PHILIPS ELECTRONICS INDUSTRIES (TAIWAN) LTD.
CONSUMER ELECTRONICS DIVISION (PEI-CED)
EMI-LAB
P.O.BOX 123
CHUNG LI, TAOYUAN, TAIWAN, R.O.C.
TEL: 886-3-4549862 FAX: 886-3-4549887

MANUFACTURER : PHILIPS
TESTED SYSTEM:

1. EUT : IBM 2237-00N A COLOR MONITOR S/N.: TY9804081
FCC ID. : A3KM086
2. COMPUTER: IBM 6588-120 S/N.: 556N59M
FCC ID. : AN02161V
3. PRINTER : HP 2225C S/N.: 3145S02419
FCC ID. : DS16XU2225
4. MODEM : USRobotics 268 S/N.: 0002680559278575
FCC ID. : CJE-0318
5. MOUSE : IBM M-S34 S/N.: 23-146196
FCC ID. : DZL211029
6. KEYBOARD: IBM KB-9826 S/N.: K071940
FCC ID. : E8HKB-5323
7. VIDEO CARD : BUILT-IN S/N.: --
FCC ID. : --

NOTE: TEST WAS PERFORMED IN ACCORDANCE WITH FCC MEASUREMENT PROCEDURE
ANSI C63.4-1992 "AMERICAN NATIONAL STANDARD FOR MEASUREMENT OF
RADIO-NOISE EMISSION FROM LOW-VOLTAGE ELECTRICAL AND ELECTRONIC
EQUIPMENT IN THE RANGE OF 9KHz TO 406Hz"

MONITOR WAS CONNECTED TO FLOOR MOUNTED AC OUTLET.
64.0KHz MODE(1280X1024/60Hz) WAS TESTED.
INTERFACE CABLE WITH THREE FERRITE CORES(ONE INSIDE) WAS TESTED.
UNSHIELDED MAINS CORD WAS USED DURING TEST.

THE TEST EQUIPMENT PLEASE REFER TO EQUIPMENT LIST AS ATTACHED.

DEVIATION: NONE

RADIATED RF LEVEL - PEAK VALUE

FREQUENCY (MHz)	HORIZONTAL (dBuV/m)	VERTICAL (dBuV/m)	FCC CLASS B LIMIT (dBuV/m)
43.51	26.56	29.46	40
54.39	28.84	33.74	40

65.27	27.45	32.95	40
87.04	32.65	AMBIENT	40
130.56	31.21	31.81	43.5
141.44	32.01	30.81	43.5
152.32	29.8	27.6	43.5
163.2	33.69	32.99	43.5
184.96	33.45	31.75	43.5
195.85	33.76	31.95	43.5
206.73	31.4	31.2	43.5
217.61	31.74	31.74	46
228.49	32.55	32.66	46
239.37	39.15	35.15	46
250.27	37.7	35.5	46
261.15	35.64	34.64	46
272.03	39.28	35.58	46
282.91	36.85	AMBIENT	46
293.79	39.98	37.78	46
304.68	33.52	32.62	46
326.44	31.324	31.024	46
348.2	35.352	34.352	46
359.08	34	33.6	46
380.85	33.216	32.616	46
402.61	34.136	34.436	46
413.5	33.668	34.268	46
435.26	33.74	33.44	46
457.02	35.168	38.468	46
467.9	34.732	34.432	46
489.66	34.98	35.48	46
533.18	35.232	34.232	46
544.08	37.676	35.976	46
565.84	37.484	37.484	46
576.72	36.824	36.024	46
587.6	36.656	39.756	46
631.13	38.04	37.14	46
642.01	39.08	39.28	46

ABOVE READINGS ARE PEAK READINGS WITH CABLE AND ANTENNA FACTORS INCLUDED.
 SPECTRUM ANALYZER SETTINGS:

RBW : 100KHz
 VBW : 100KHz

QUASI-PEAK READINGS ARE TAKEN WITH ROHDE & SCHWARZ EMI TEST RECEIVER
 20 - 1000MHz ESUS 30 :

RADIATED RF LEVEL - QUASI-PEAK VALUE

FREQUENCY (MHz)	HORIZONTAL (dBuV/m)	VERTICAL (dBuV/m)	FCC CLASS B LIMIT (dBuV/m)
32.84	30.38	36.38	40
76.16	AMBIENT	34.68	40
620.25	37.04	34.74	46
663.79	35.952	37.652	46
674.67	38.3	39.8	46
696.43	37.704	36.604	46
718.21	37.928	38.228	46
729.09	38.152	38.052	46
750.85	39.416	39.716	46

761.73	37.192	37.992	46
772.61	38.468	38.968	46

THE SPECTRUM WAS SCANNED FROM 30 TO 1000 MHz AND THE SIGNIFICANT EMISSIONS ARE RECORDED.
TEST DISTANCE BETWEEN DEVICE UNDER TEST AND RECEIVING ANTENNA WAS 3-METER.

- # SAMPLE CALCULATION :
FINAL VALUE (dBuV/m) = ANTENNA FACTOR (dB) + CABLE (dB) + READING (dBuV/m)
- # THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF THE LABORATORY
- # THIS REPORT MUST NOT BE USED BY THE CLIENT TO CLAIM PRODUCT ENDORSEMENT BY NVLAP OR ANY AGENCY OF THE U.S. GOVERNMENT

THE TEST RESULT WAS PASS FCC CLASS B LIMIT.

CHECKED BY:

K. J. Hsu

K.J.HSU, NVLAP SIGNATORY

TESTED BY:

C.C. Wu

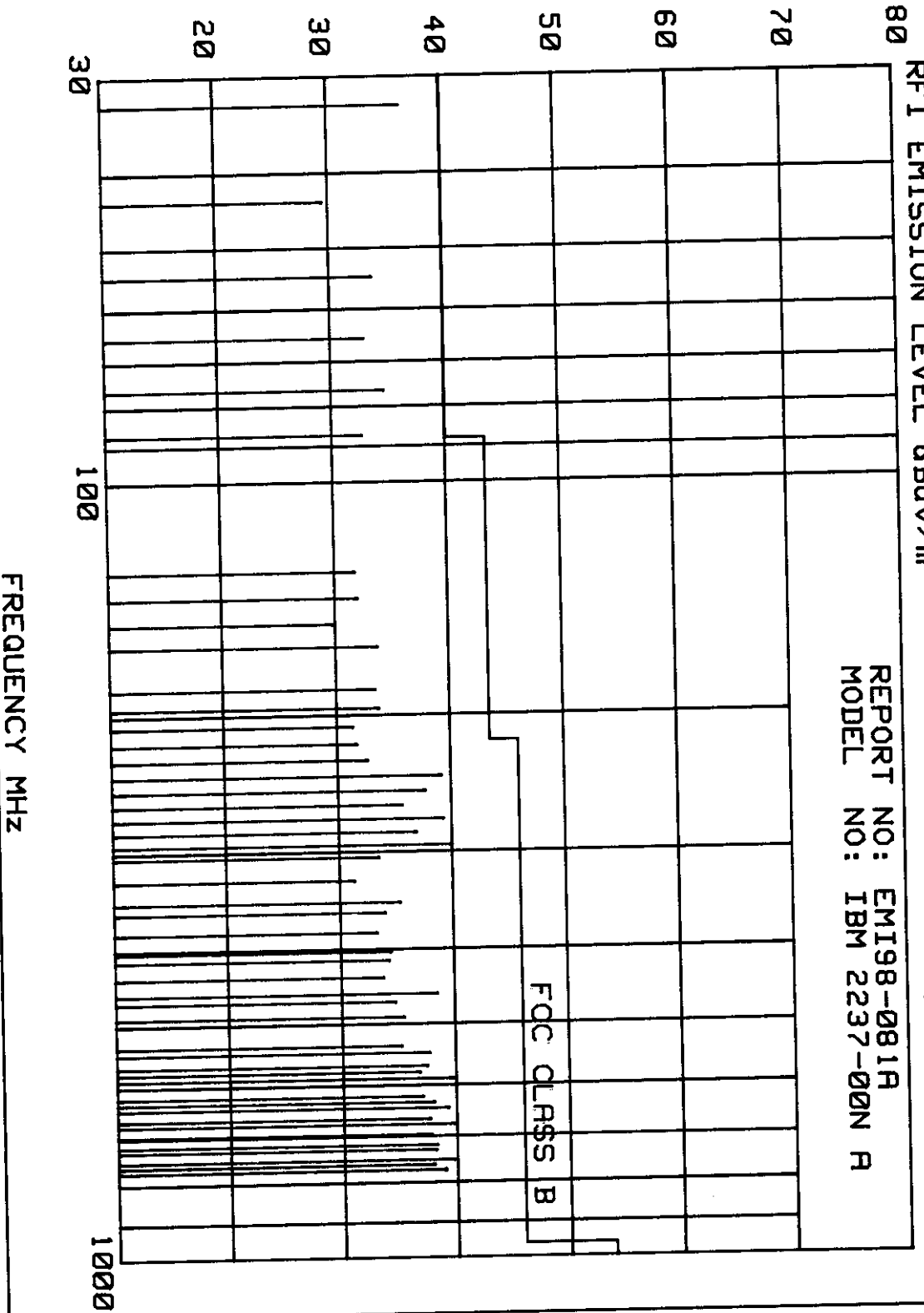
C.C.Wu

RFI EMISSION LEVEL dBuV/m

NOV/02/1998

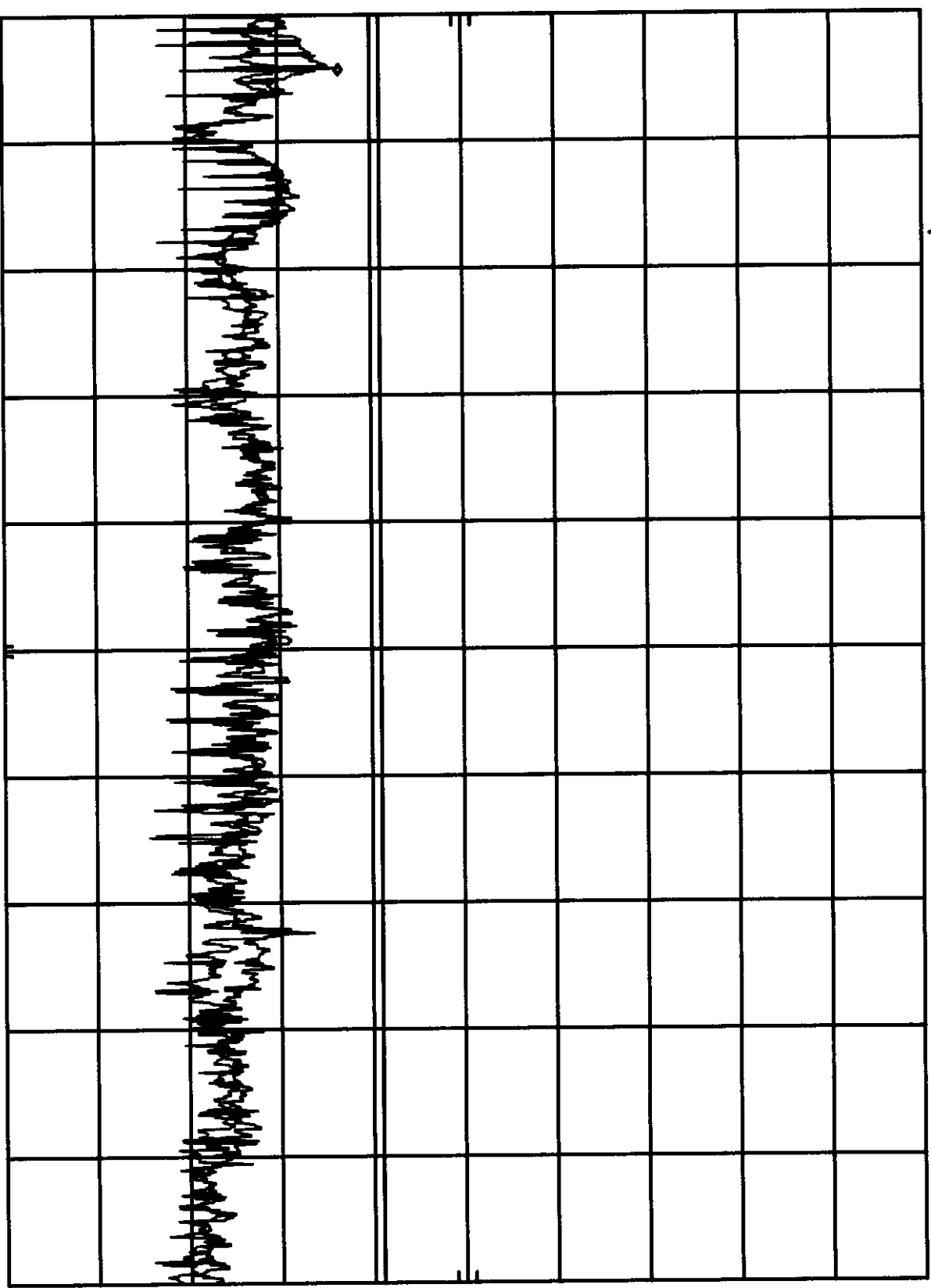
REPORT NO: EMI98-081R
MODEL NO: IBM 2237-00N R

FCC CLASS B



IBM 2237-00N A 1280X1024/60HZ 64KHZ AC110V MKR 1.69 MHZ
REF 107.0 DBμV ATTEN 10 DB 43.60 DBμV
40
10 DB/

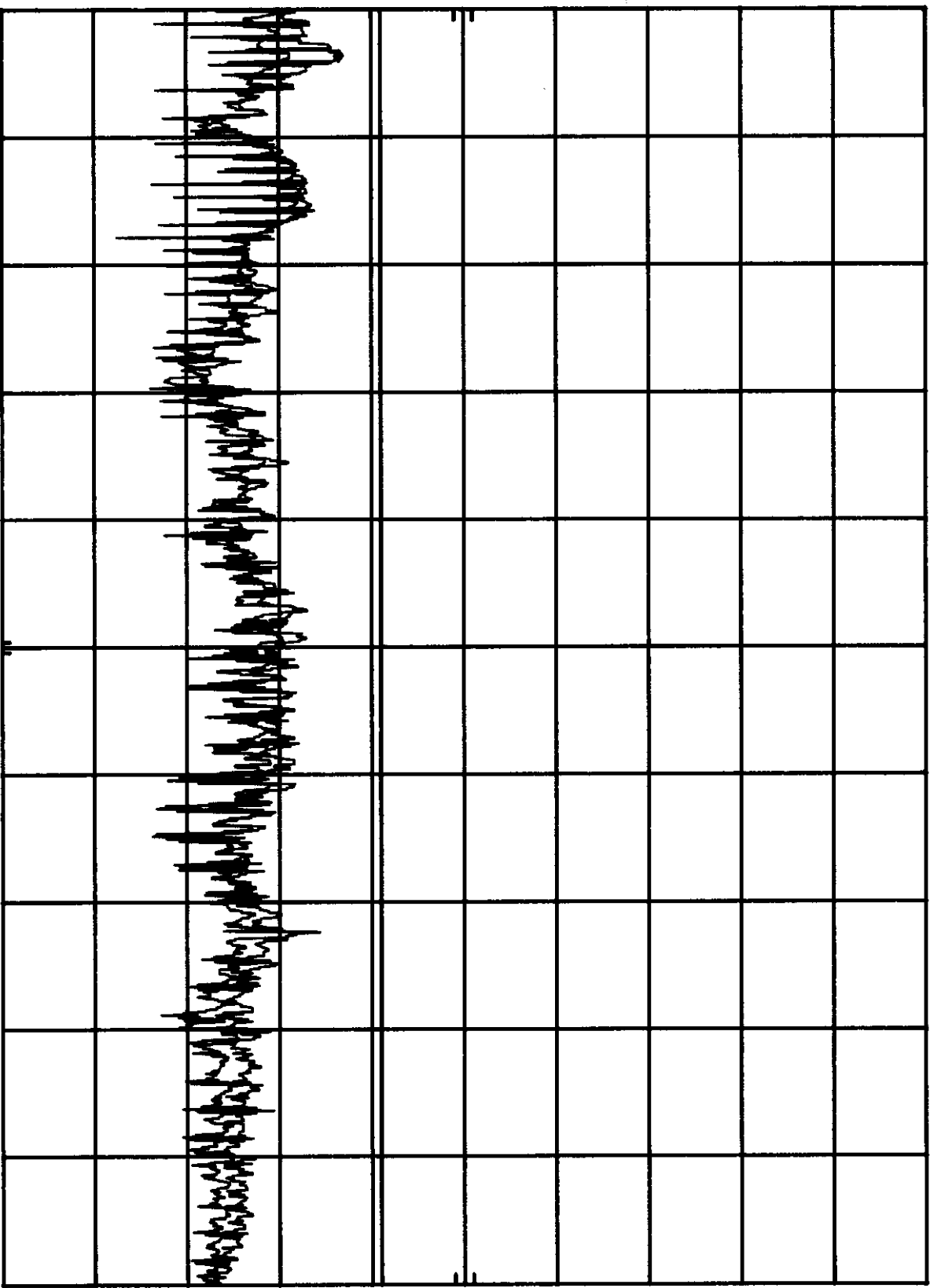
DL
48.0
DBμV



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

IBM 2237-00N A 1280X1024/60HZ 64KHZ AC220V MKR 1.48 MHZ
REF 107.0 DBμV ATTEN 10 DB 43.50 DBμV
HP
10 DB/

DL
48.0
DBμV



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

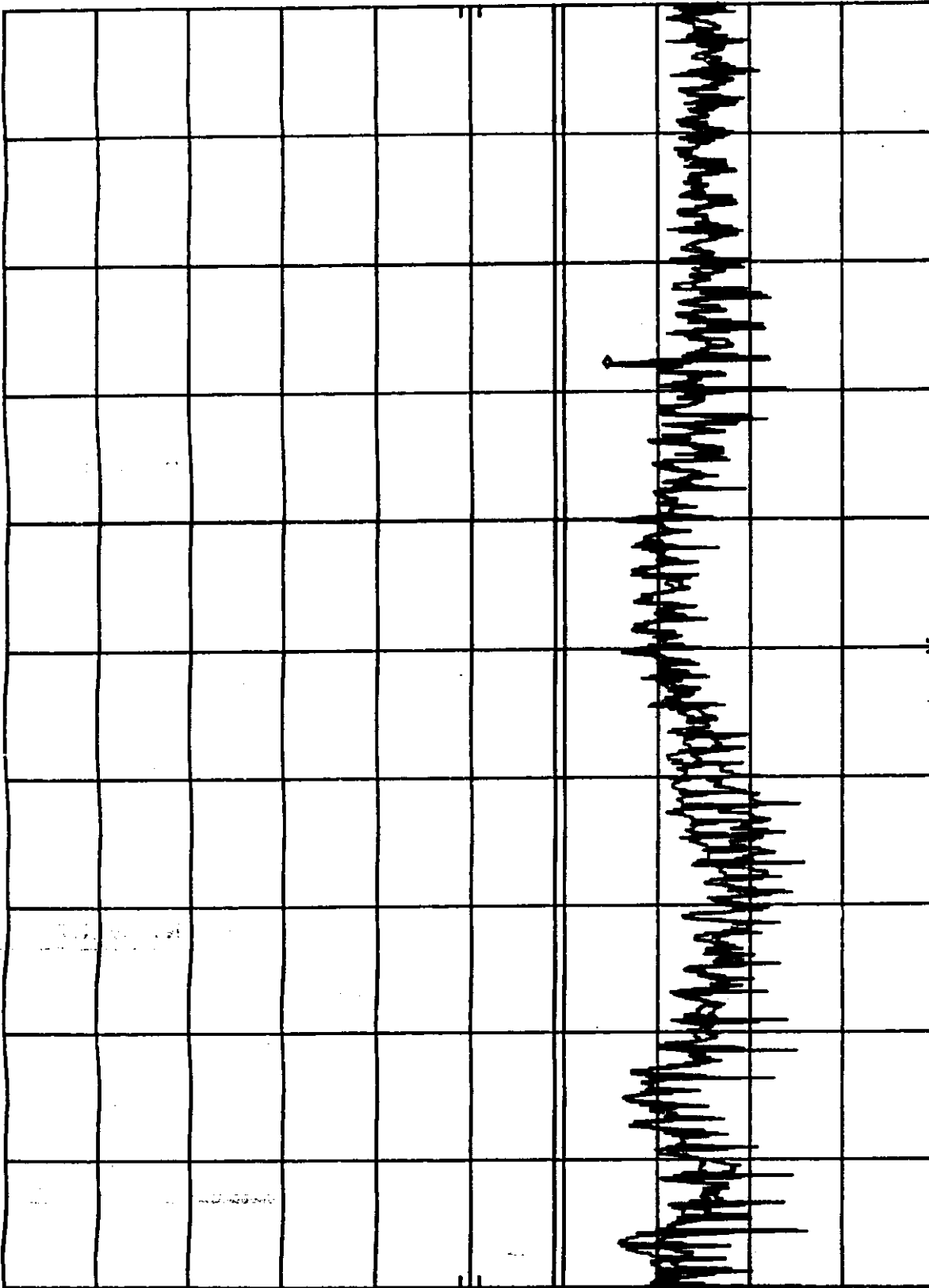
Exhibit 7

Photographs

A3KM086 RUN 1280X1024/60HZ 64KHZ MODE AC220V MKR 21.79 MHZ
REF 107.0 dBμV ATTEN 10 dB 42.40 dBμV

0 dB/

48.0
3μV



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