

STATEMENT OF DATA MEASURED

1. General Information of EUT

The EUT, 21" SVGA color monitor :

Model No. : 201B10
 FCC ID : A3KM094
 Brand : PHILIPS

The monitor automatically scans horizontal frequencies between 30KHz and 107KHz, and vertical frequencies between 50Hz and 160Hz. This color monitor displays sharp and brilliant images of text and graphics with a maximum resolution up to 1600x1200 pixels.

The monitor has 7 factory-preset modes as indicated in the following table:

	Resolution	H-Frequency	V-Frequency	Remark
M01	1024 X 768	60.0KHz	75Hz	Non-interlaced
M02	1024 X 768	68.7KHz	85Hz	Non-interlaced
M03	1280 X 1024	80.0KHz	75Hz	Non-interlaced
M04	1280 X 1024	91.1KHz	85Hz	Non-interlaced
M05	1600 X 1200	93.0KHz	75Hz	Non-interlaced
M06	1600 X 1200	106.3KHz	85Hz	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

Internet: ronnie.yang@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	5/07/1999
RF Preselector	HP85685A	2901A00746	5/07/1999
QP Adapter	HP85650A	2043A00366	5/07/1999
EMI Receiver	HP85460A	3441A00199	8/27/1998
RFI Filter Section	HP85460A	3330A00177	8/27/1998
EMI Receiver	R & S ESVS30	8419977/066	3/21/1999
Biconical Antenna	EMCO 3110B	3222	12/17/1998
Biconical Antenna	EMCO 3110B	3224	12/30/1998
Log-Periodic Antenna	EMCO 3146A	1424	12/29/1998
Log-Periodic Antenna	EMCO 3146A	1425	12/29/1998
LISN	EMCO 3825/2	9311-2153	3/15/1999
LISN	EMCO 3825/2	9311-2154	5/28/1999
Turn Table	EMCO 1060	1068	5/28/1999
Antenna Tower	EMCO 1050	1113	5/28/1999
RF Cable	M17/75-RG214-NE	N/A	5/28/1999
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 "201B10" was connected to:

Item	Model No.	Serial No.	FCC ID
1. Computer	IBM 2176-T33	90-A58TZ	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	0002680559278575	CJE-0318
6. Vide Card	ELSA Winner 3000L	023004001190	KJGW3000L
7. CD-ROM	Sony CDU31A	--	KGACDU31A2

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 3 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	Remark
EMI99-039	1600 X 1200	106.3KHz/85Hz	D-sub cable
EMI99-039A	1600 X 1200	93.7KHz/75Hz	BNC cable
EMI99-039B	1600 X 1200	106.3KHz/85Hz	D-sub cable

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:

$$\text{Final Value (dB}\mu\text{V/m)} = \text{Reading (dB}\mu\text{V)} + \text{Antenna Factor (dB)} + \text{Cable Loss (dB)}$$

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

Uncertainty Statement: The system uncertainties listed below are based on the instrument absolute specifications, and do not include uncertainties of the equipment under test.

Uncertainty for Radiated Emissions Test at 3 meters Test Site

Source of Measurement Uncertainty	Uncertainty/dB
Antenna factor calibration	+/- 2.0
Cable loss calibration	+/- 0.5
Receiver Specification	+/- 1.0
Antenna position var.	+/- 2.0
Measurement distance var.	+/- 0.5
Site Imperfections	+/- 2.0
Mismatch	+/- 1.1
System repeatability	+/- 0.5

Uncertainty for Line Conducted Emissions Test in Screen Room

Source of Measurement Uncertainty	Uncertainty/dB
LISN Specification	+/- 2.0
Cable loss calibration	+/- 0.5
Receiver Specification	+/- 1.0
Pulse Limiter Spec.	+/- 0.3
Measurement distance var.	+/- 0.5
Site Imperfections	+/- 2.0
System repeatability	+/- 0.5

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 : A3KM094
 REPORT NO.: EMI99-039
 TEST DATE : JUL/25/1999
 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 : 65 III 201810 COLOR MONITOR S/N.: TY9904039
 FCC ID. : A3KM094
2. COMPUTER: IBM Aptiva 2176-T33 S/N.: 90-A58TZ
 FCC ID. : AN02161V
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-S34 S/N.: 23-146196
 FCC ID. : DZL211029
6. KEYBOARD: IBM KB-9826 S/N.: K071940
 FCC ID. : E8HKB-5323
7. VIDEO CARD : ELSA WINNWER 3000L S/N.: 023004001190
 FCC ID. : KJGW3000L
8. CD_ROMD : SONY CDU31A S/N.: --
 FCC ID. : K6ACDU31A2

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.
 106.3KHz MODE(1600X1200/85Hz) WAS TESTED.
 D-SUB INTERFACE CABLE WITH TWO CORES WAS TESTED.
 UNSHIELDED MAINS CORD WAS USED DURING TEST.
 ONE UPSTREAM USB CABLE WAS CONNECTED TO COMPUTER

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)
139.21	27.89	31.99	43.5
168	32.44	30.04	43.5
208.82	36	AMBIENT	43.5
232	37.9	36.6	46
255.21	37.95	36.45	46

324.81	33.6	32.3	46
348	33.652	37.152	46
417.61	34.916	39.716	46
440.81	35.484	39.184	46
464.01	35.636	37.736	46
580	36.06	39.76	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)
46.39	30.34	33.84	40
69.62	30.1	34.1	40
84	25.9	31.9	40
115.98	35.56	34.36	43.5
120	28.3	36.2	43.5
162.39	34.26	30.46	43.5
185.62	32.34	29.04	43.5
278.39	38.42	37.72	46
371.26	33.8	41.3	46
394.39	36.084	40.684	46
510.39	33.68	37.58	46
533.61	37.836	40.436	46
556.82	37.568	42.368	46
603.26	37.896	42.596	46
649.66	AMBIENT	40.8	46
696	36.604	36.204	46
719.26	37.724	39.124	46
742.46	36.096	38.496	46
765.61	37.656	42.456	46
812.01	37.292	36.692	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

TESTED BY:

C. C. Wu

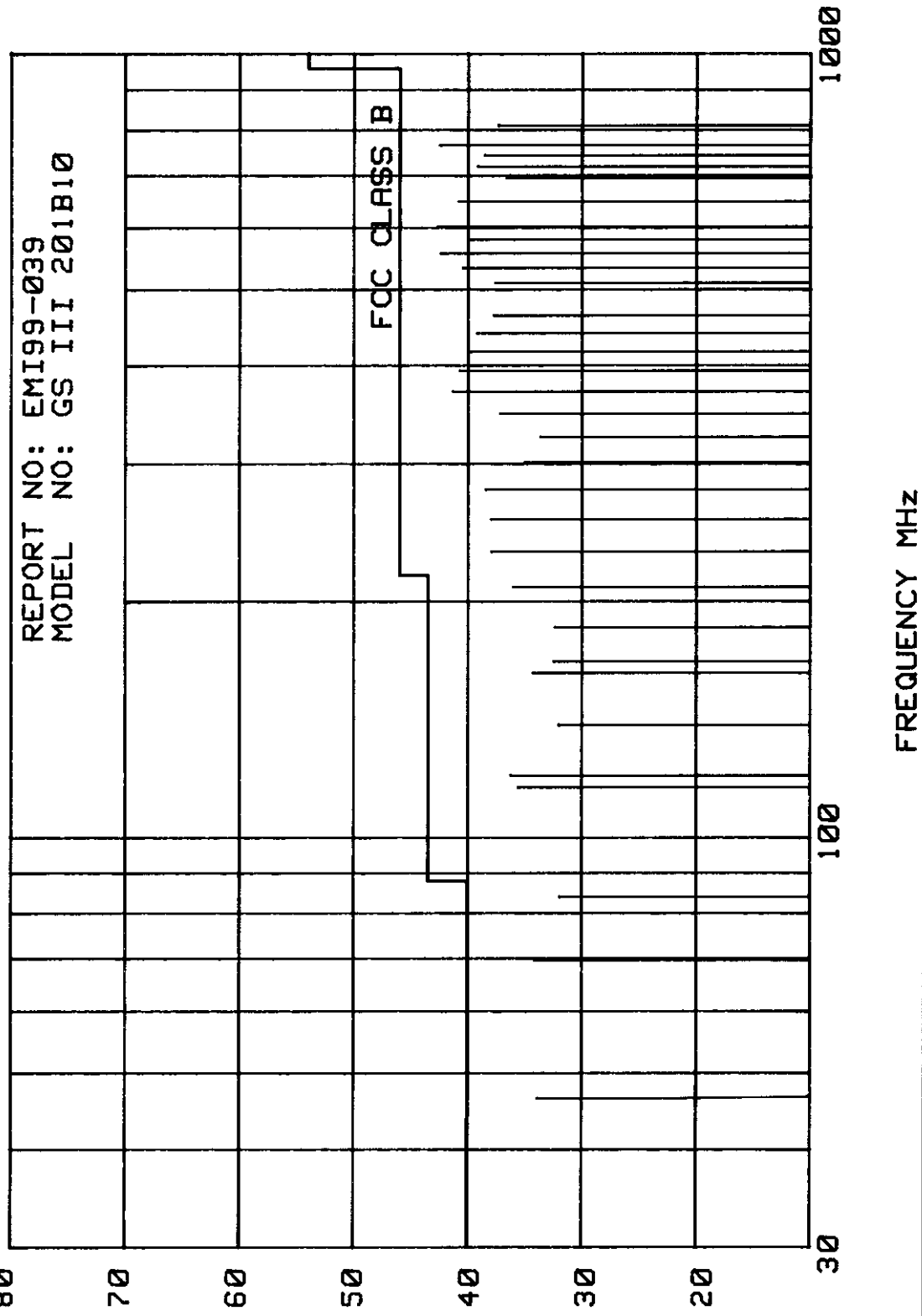
K.J.HSU, NVLAP SIGNATORY

C.C.Wu

RFI EMISSION LEVEL dBuv/m

JUL/25/1999

REPORT NO: EMI99-039
MODEL NO: GS III 201B10



A3KM094 RUN 1600X1200/85Hz 106.3KHz MODE AC110V MKR 1.34 MHz
REF 107.0 dBμV ATTN 10 dB 41.80 dBμV

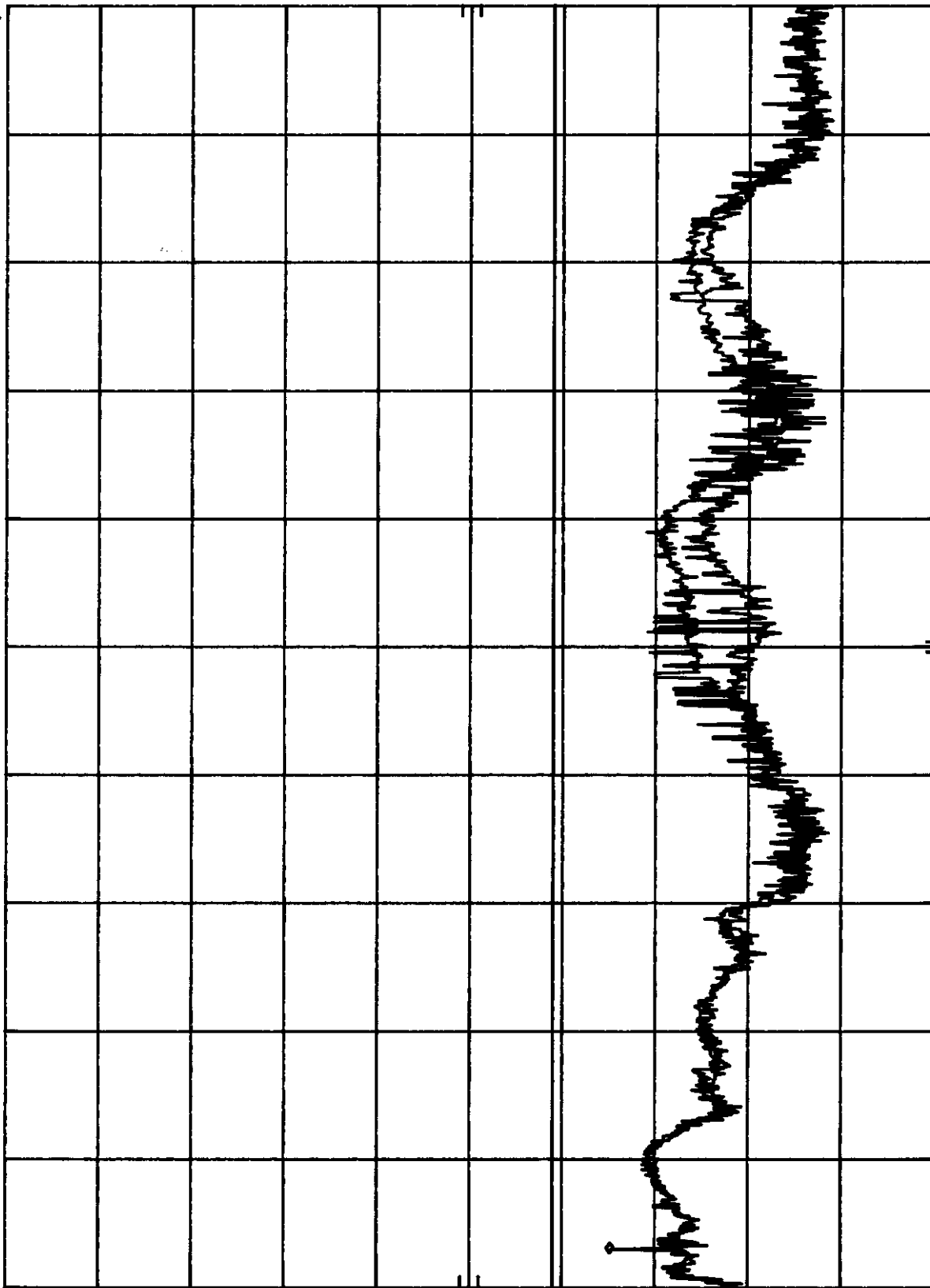
HP

10 dB/

DL

48.0

dBμV



START 450 KHz

RES BW 10 KHz

VBW 10 KHz

STOP 30.00 MHz

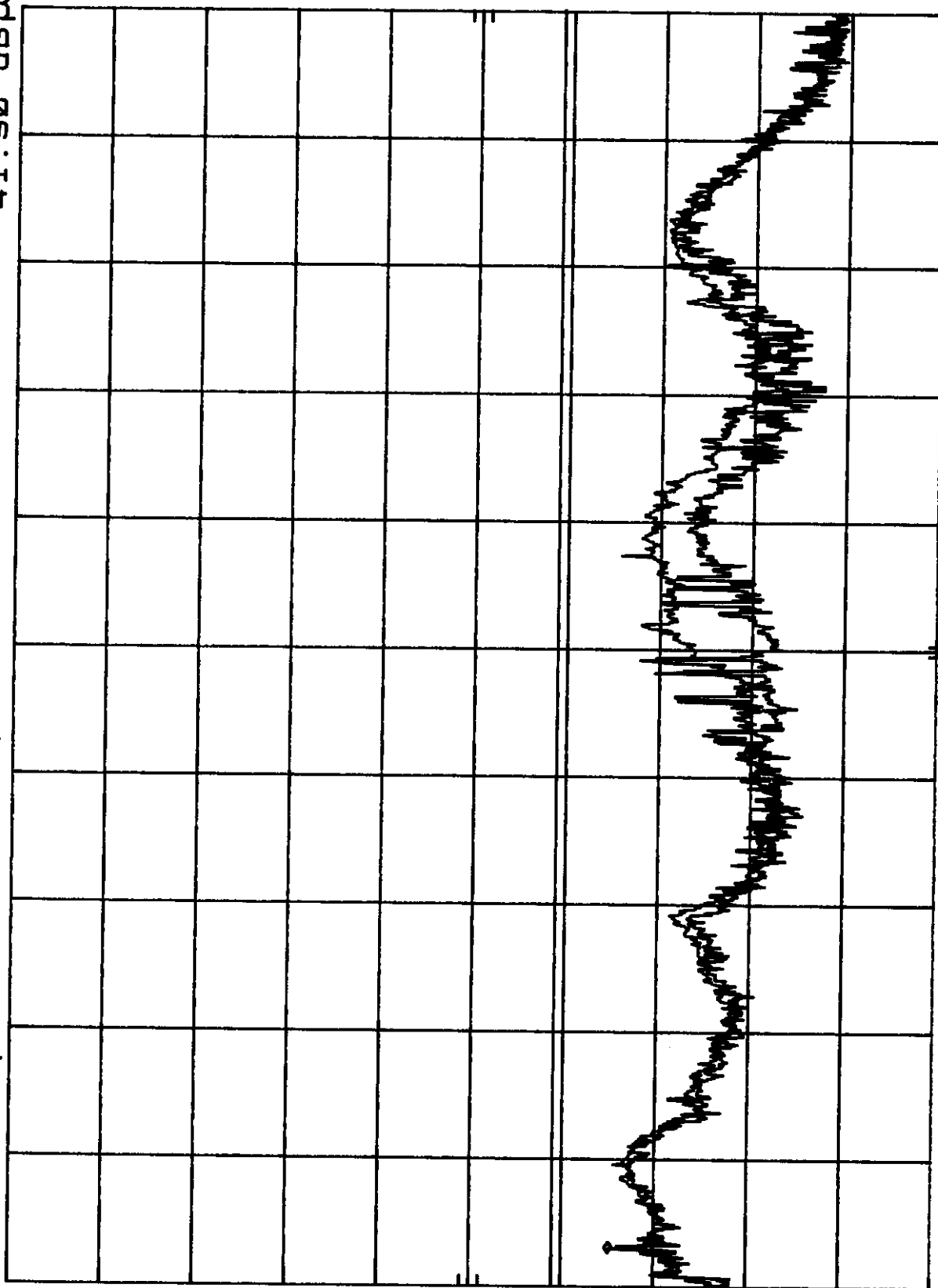
SWP 750 msec

A3KM094 RUN 1600X1200/85Hz 106.3KHz MODE AC220VMKR 1.34 MHz
REF 107.0 dBμV ATTEN 10 dB 41.90 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

FCC TEST REPORT

FCC ID : A3KM094
REPORT NO.: EMI99-039A
TEST DATE : JUL/27/1999
TEST ENGI.: C.C.Wu

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MANUFACTURER : PHILIPS
TESTED SYSTEM:

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FCC ID. : AN02161V
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-S34 S/N.: 23-146196
FCC ID. : DZL211029
6. KEYBOARD: IBM KB-9826 S/N.: K071940
FCC ID. : E8HKB-5323
7. VIDEO CARD : ELSA WINNWER 3000L S/N.: 023004001190
FCC ID. : KJGW3000L
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.
93.7KHz MODE(1600X1200/75Hz) WAS TESTED.
D-SUB INTERFACE CABLE WITH TWO CORES WAS TESTED.
UNSHIELDED MAINS CORD WAS USED DURING TEST.
ONE UPSTREAM USB CABLE WAS CONNECTED TO COMPUTER

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)
39.62	26.4	28.5	40
72	27.46	28.16	40
138.67	31.89	32.49	43.5
158.48	32.7	30	43.5
217.91	31.34	32.84	46

FCC ID : A3KM094
 -- #039A CONT. --

257.56	37.1	35.2	46
277.37	37.58	36.28	46
297.17	36.84	35.34	46
316.97	29.968	30.068	46
336.78	31.988	34.188	46
356.62	32.1	35.4	46
416.03	32.892	39.792	46
495.28	38.94	39.14	46
515.09	35.42	34.22	46
554.74	38.72	38.72	46
594.35	39.128	39.628	46
614.16	38.948	39.648	46
653.79	38.272	39.072	46
792.46	39.972	39.472	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)
59.46	25.49	34.49	40
118.86	29.64	33.24	43.5
198.1	34.68	AMBIENT	43.5
376.42	33.536	40.036	46
396.21	34.856	39.156	46
455.68	36.344	40.944	46
475.48	34.7	37.9	46
534.92	38.64	39.14	46
574.55	38.4	37.5	46
633.98	36.86	39.06	46
673.59	37.032	36.432	46
693.4	35.332	36.932	46
713.22	38.048	35.848	46
733.03	36.504	39.204	46
772.65	37.068	38.568	46
812.28	37.292	37.092	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)

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 APPROVAL OF THE LABORATORY

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 BY NVLAP OR ANY AGENCY OF THE U.S. GOVERNMENT

THE TEST RESULT WAS PASS FCC CLASS B LIMIT.

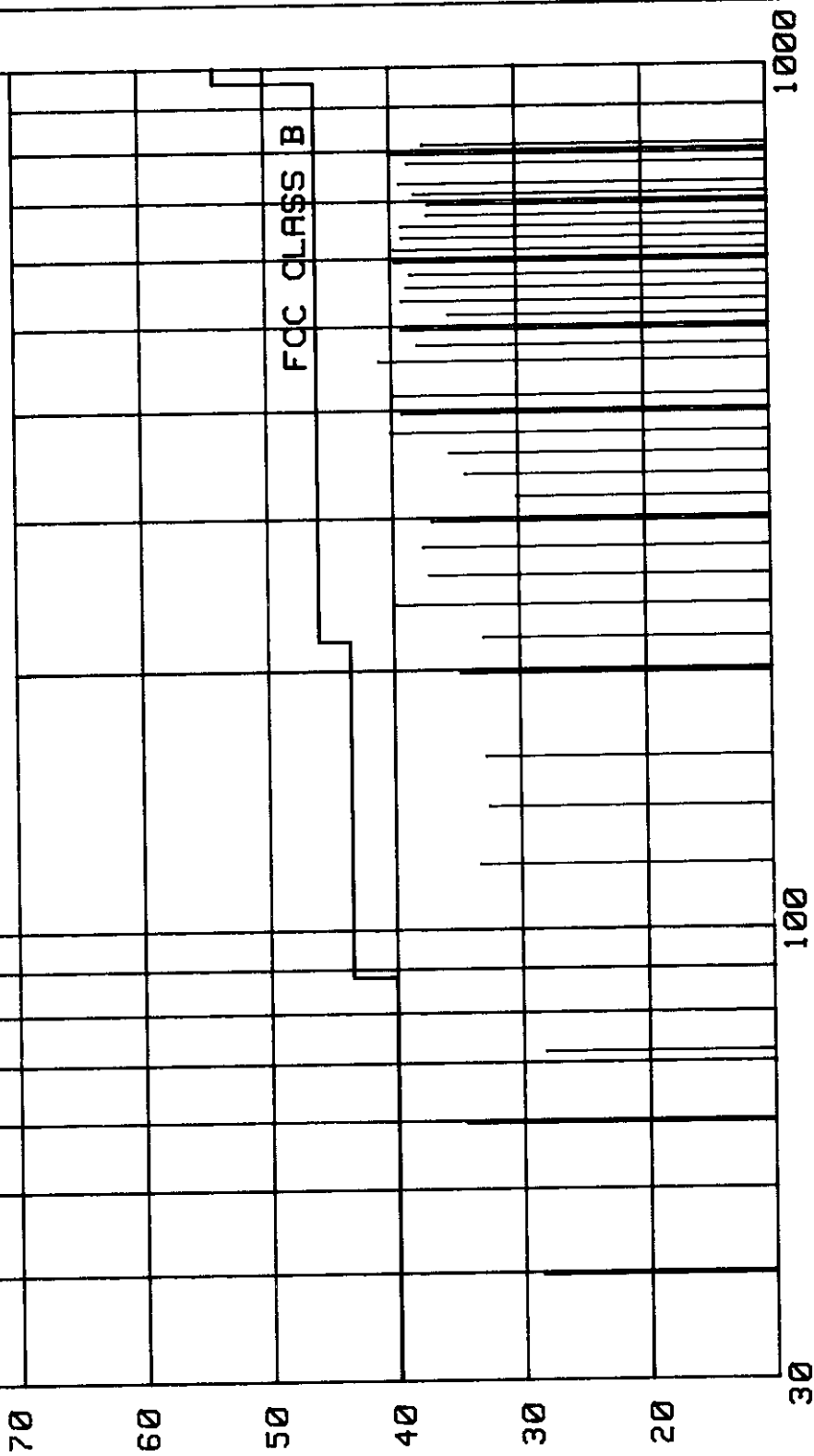
CHECKED BY: K. J. H.

TESTED BY:

JUL/27/1999

RFI EMISSION LEVEL dB μ V/m

REPORT NO: EMI99-039A
MODEL NO: GS III 201B10



FREQUENCY MHz

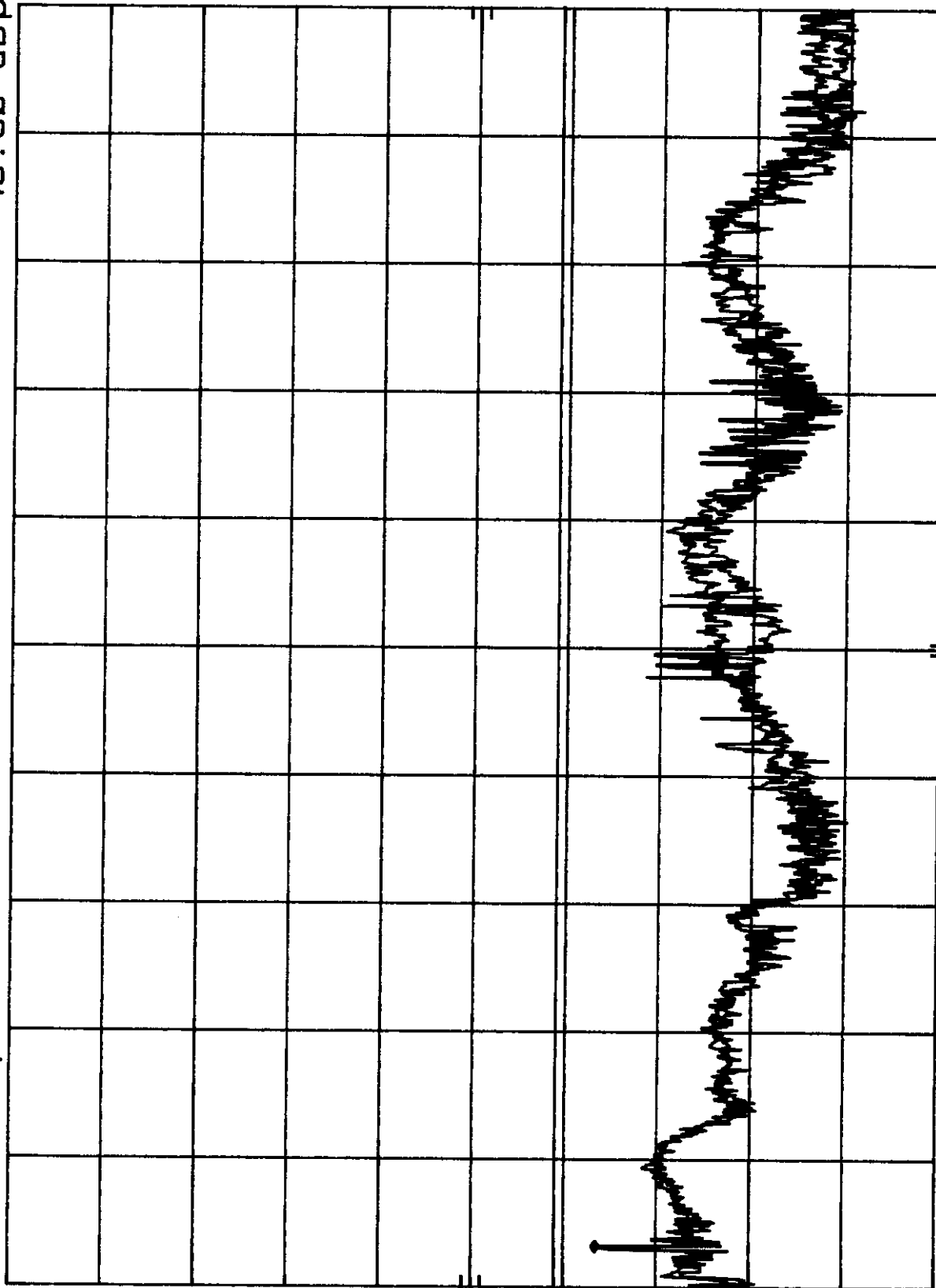
A3KM094 RUN 1600X1200/75Hz 93.7KHz MODE AC110V MKR 1.37 MHz
REF 107.0 dBμV ATTEN 10 dB 43.60 dBμV

hp

10 dB/

DL

48.0
dBμV



START 450 KHz

RES BW 10 KHz

VBW 10 KHz

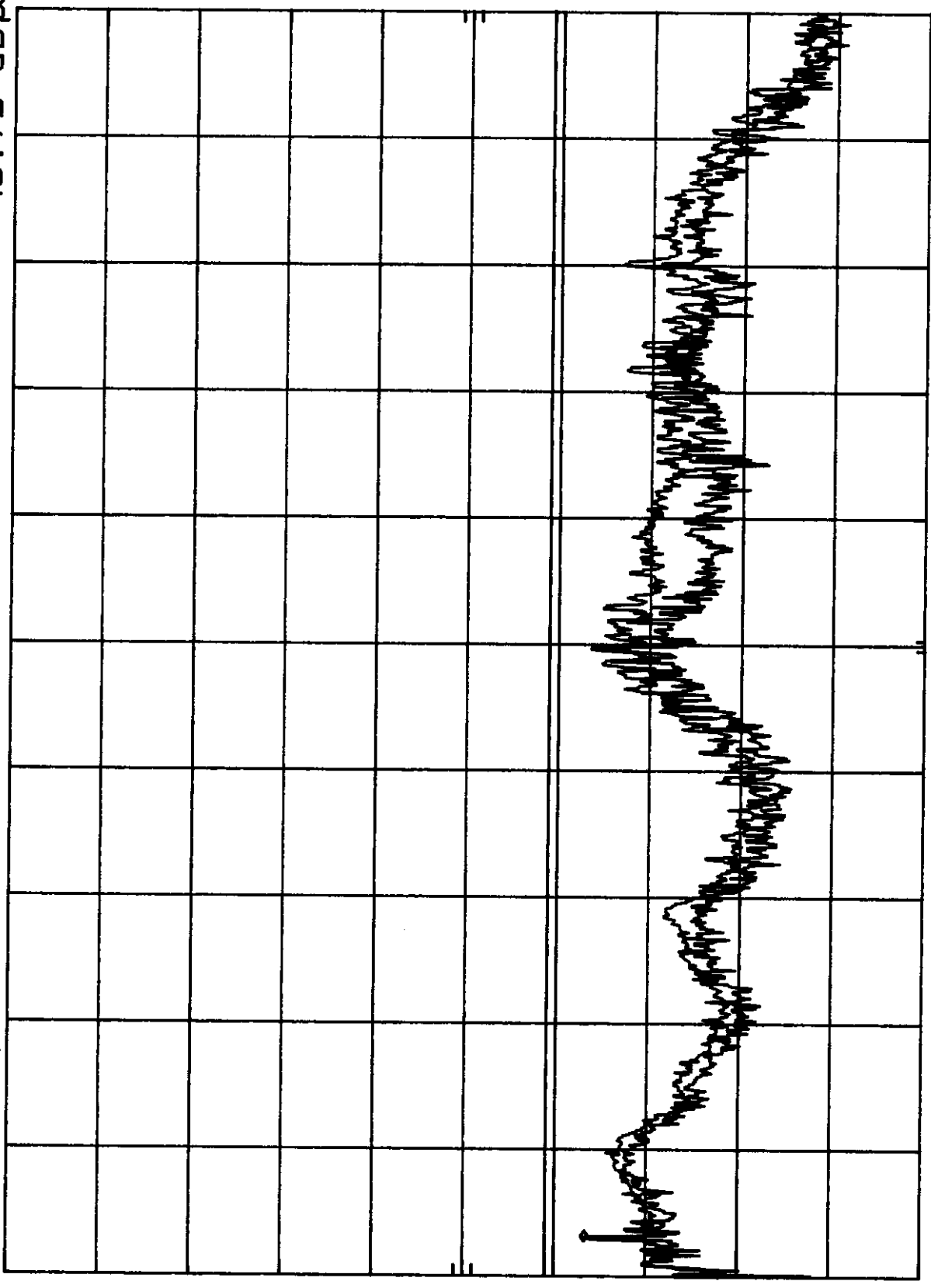
STOP 30.00 MHz
SWP 750 msec

A3KM094 RUN 1600X1200/75Hz 93.7KHz MODE AC220V MKR 1.37 MHz
REF 107.0 dBμV ATTEN 10 dB 43.70 dBμV

hp

0 dB/

L 48.0
BμV



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

FCC TEST REPORT

FCC ID : A3KM094
 REPORT NO.: EMI99-0398
 TEST DATE : JUL/30/1999
 TEST ENGI.: C.C.Wu

TEST PERFORMED BY
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 CONSUMER ELECTRONICS DIVISION (PEI-CED)
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 TEL: 886-3-4549862 FAX: 886-3-4549887

MANUFACTURER : PHILIPS
 TESTED SYSTEM:

1. EUT : GS III 201B10 COLOR MONITOR S/N.: TY9904039
 FCC ID. : A3KM094
2. COMPUTER: IBM Aptiva 2176-T33 S/N.: 90-A58TZ
 FCC ID. : AN02161V
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-S34 S/N.: 23-146196
 FCC ID. : DZL211029
6. KEYBOARD: IBM KB-9826 S/N.: K071940
 FCC ID. : E8HKB-5323
7. VIDEO CARD : ELSA WINNWER 3000L S/N.: 023004001190
 FCC ID. : KJ6W3000L
8. CD_ROMD : SONY CDU31A S/N.: --
 FCC ID. : KGACDU31A2

NOTE: TEST WAS PERFORMED IN ACCORDANCE WITH FCC MEASUREMENT PROCEDURE
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 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.
 106.3KHz MODE(1600X1200/85Hz) WAS TESTED.
 B.N.C. I/F CABLE WITH ONE FERRITE CORE WAS USED.
 UNSHIELDED MAINS CORD WAS USED DURING TEST.
 ONE UPSTREAM USB CABLE WAS CONNECTED TO COMPUTER

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)
46.39	27.34	32.84	40
84	27.5	27	40
116	33.66	33.76	43.5
120	27.1	30.9	43.5

168	28.64	34.04	43.5
185.62	31.64	31.64	43.5
208.82	35.6	AMBIENT	43.5
232	39.6	37.5	46
255.21	37.95	37.95	46
278.4	38.72	39.02	46
301.61	36.708	34.908	46
324.82	32.1	33	46
348	35.052	37.652	46
394.4	37.784	39.384	46
440.81	36.984	38.384	46
464	36.736	35.736	46
719.26	41.524	42.724	46
719.62	38.92	40.32	46
742.4	38.796	39.696	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)
69.62	28.3	33.1	40
371.23	37	40.6	46
417.62	34.416	40.316	46
533.62	38.736	39.436	46
556.87	40.268	43.368	46
580.02	34.66	38.96	46
603.25	37.696	43.196	46
696	38.404	36.804	46
765.62	37.556	38.956	46
812.02	36.692	37.592	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)

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THE TEST RESULT WAS PASS FCC CLASS B LIMIT.

CHECKED BY:

K. J. Hsu

TESTED BY:

C. C. Wu

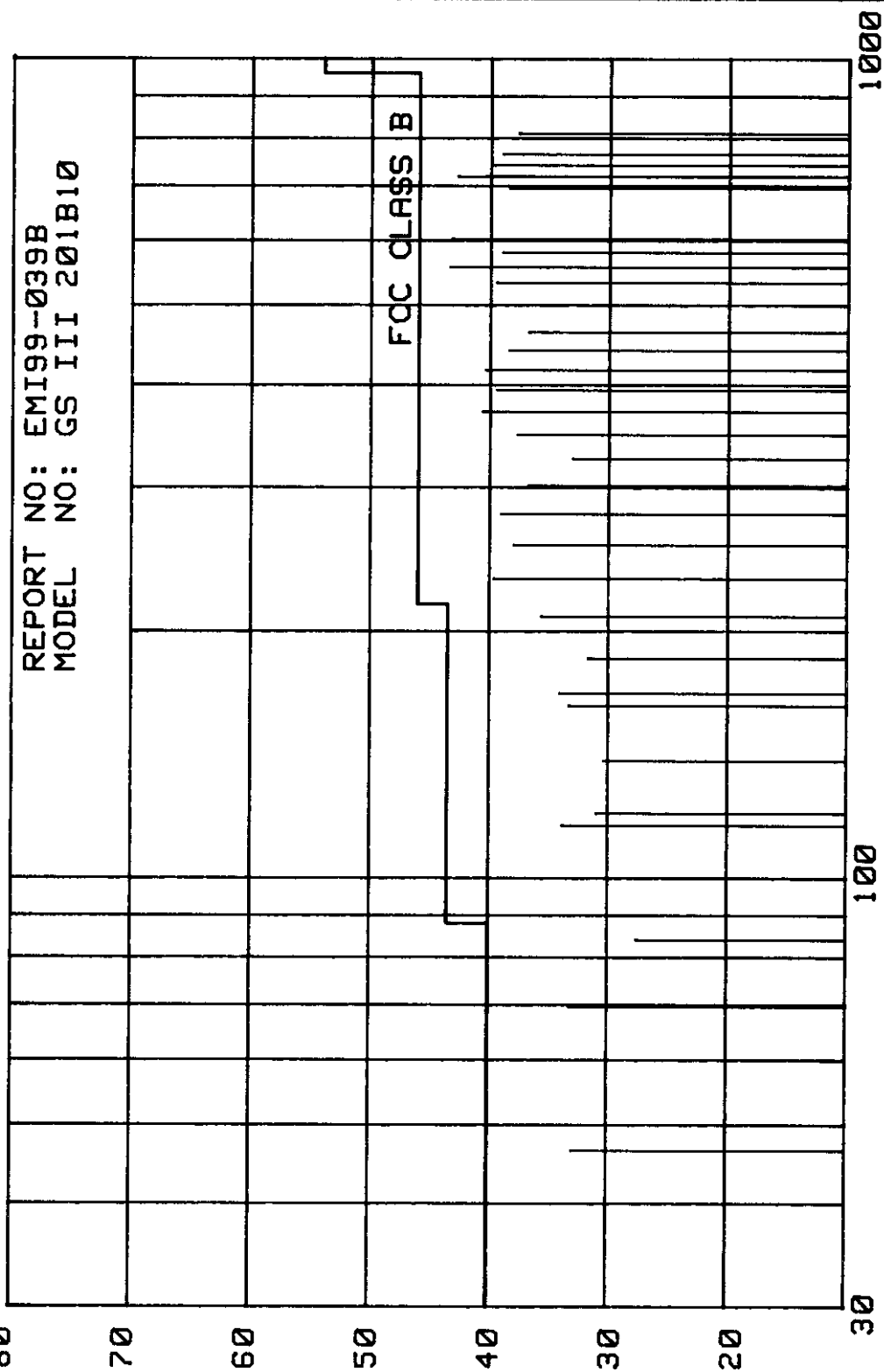
K.J.HSU, NVLAP SIGNATORY

C.C.Wu

RFI EMISSION LEVEL dBuV/m

JUL/30/1999

REPORT NO: EMI99-039B
MODEL NO: GS III 201B10



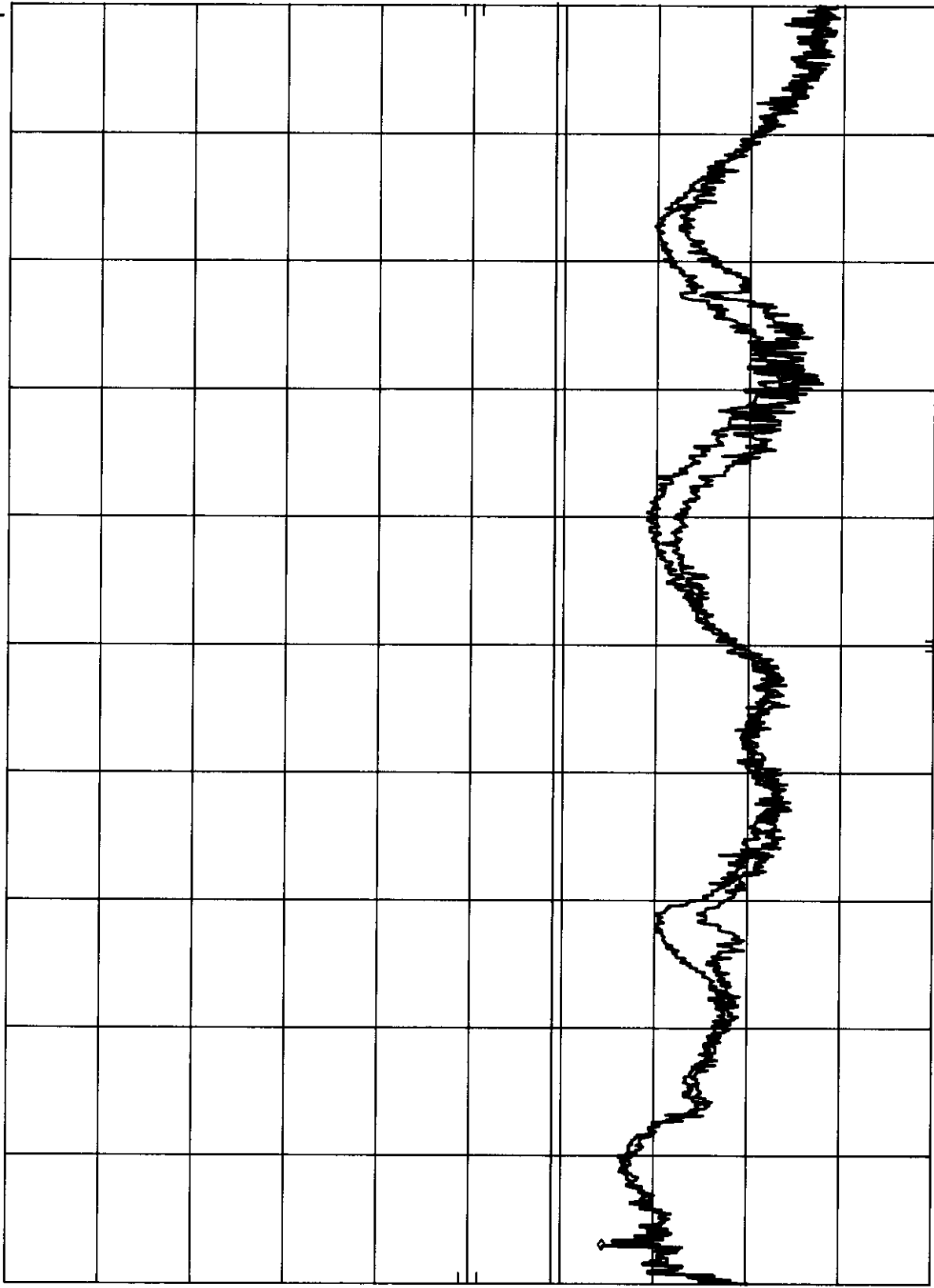
FREQUENCY MHz

A3KM094 RUN 1600X1200/85HZ 106.3KHZ MODE AC220VMKR 1.34 MHZ
REF 107.0 dBμV ATTEN 10 dB

hp

10 dB/

DL
48.0
dBμV



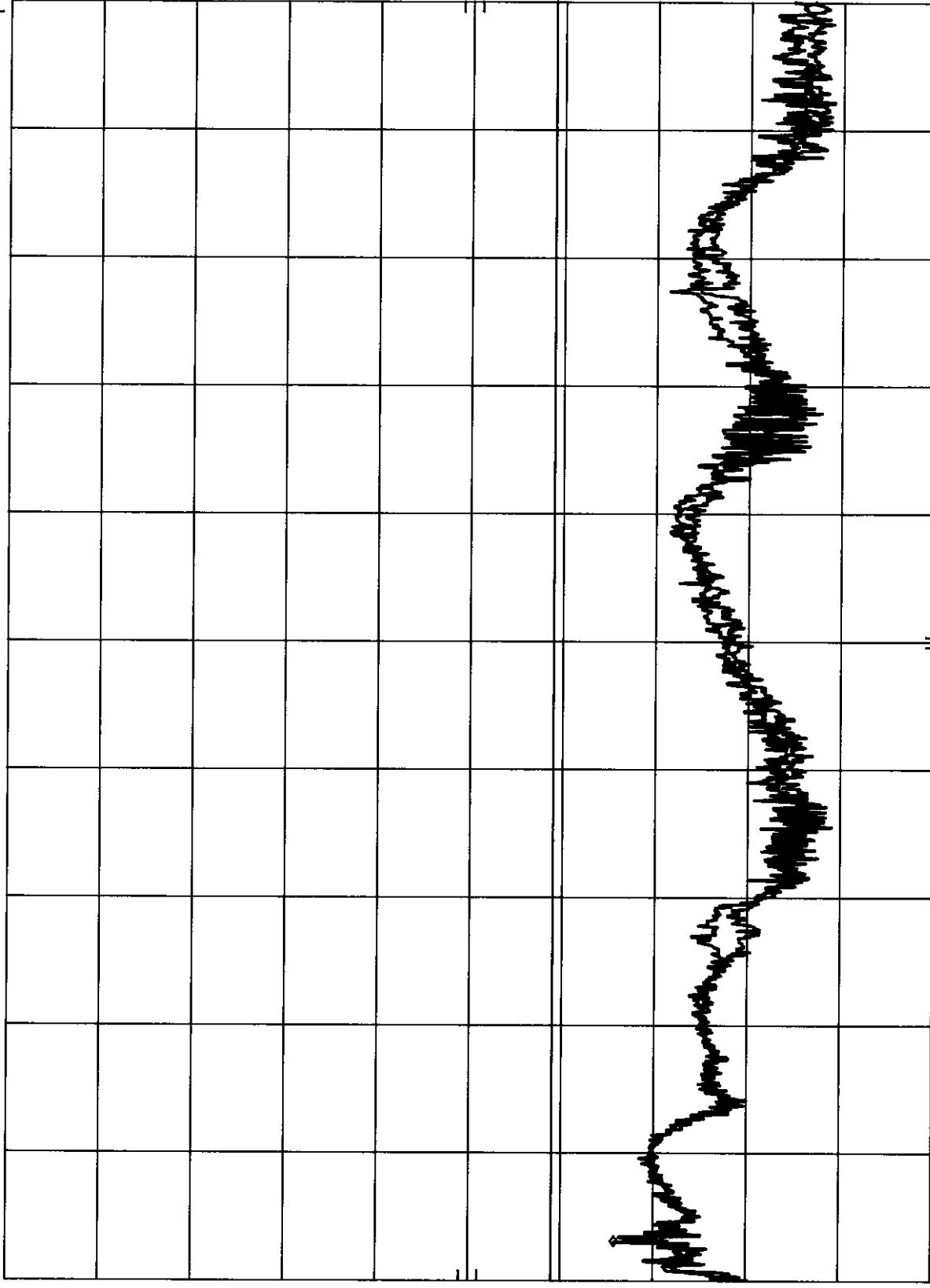
START 450 KHZ RES BW 10 KHZ STOP 30.00 MHZ
VBW 10 KHZ SWP 750 msec

A3KM094 RUN 1600X1200/85Hz 106.3KHz MODE AC110VMKR 1.34 MHz
REF 107.0 dBμV ATTN 10 dB 41.20 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

Exhibit 9

**PHOTOGRAPHS OF EUT
AND
TEST CONFIGURATION**