

FCC/DELLON

JAN 22 1999

FCC ID: A3KM082

Exhibit 5

Test Data of Original

FCC TEST REPORT

FCC ID : A3KM082
 REPORT NO.: EMI98-043
 TEST DATE : MAY/30/1998
 TEST ENGL.: 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 : PEI-CED
 TESTED SYSTEM:

1. EUT : 151AX LCD COLOR MONITOR S/N.: --
 FCC ID. : A3KM082
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 : HAYES 07-00038 S/N.: A29900153966
 FCC ID. : BFJ9D907-00038
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 : WINNER 3000L S/N.: 023004001190
 FCC ID. : KJ6W3000L
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 406Hz"

MONITOR WAS CONNECTED TO FLOOR MOUNTED AC OUTLET.
 60.0Kz MODE(1024X768/75Hz) WAS TESTED.
 FLY-IN I/O CABLE WITH FOUR FERRITE CORES(TWO INSIDE) WAS USED
 UNSHIELDED MAINS CORD WAS USED DURING TEST.
 EXTRA EARPHONE AND MICPHONE WERE USED DURING TEST.
 EXTRA 4 USB CABLES WERE CONNECTED TO DUMMY LOAD WAS USED.

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)
115.59	33.16	31.96	43.5
136	33.66	33.56	43.5

141.79	32.32	33.12	43.5
156.4	33.2	30.8	43.5
163.2	27.79	29.09	43.5
170	28.9	30.7	43.5
183.6	32.36	30.16	43.5
231.2	36.05	35.55	46
238	37.4	37.5	46
244.8	36.1	36.7	46
251.6	37.9	36.3	46
258.4	38	36.7	46
265.2	37.4	37.8	46
271.98	38.38	36.68	46
278.78	37.66	AMBIENT	46
285.58	39.8	AMBIENT	46
292.39	37.94	36.94	46
299.3	36.48	38.98	46
306	31.424	30.024	46
312.78	32.752	31.852	46
319.58	35.18	35.58	46
326.41	36.224	35.624	46
330.82	34.944	37.944	46
333.18	31.592	30.992	46
338.7	34.136	36.536	46
340	36.36	38.56	46
346.8	36.028	36.328	46
353.6	37.9	39.3	46
354.45	35.6	37.8	46
360.4	36.3	34.4	46
367.19	34	33	46
370.2	35.3	33.5	46
374	38.1	37.1	46
378.09	37.208	34.208	46
380.8	33.816	34.116	46
385.96	33.196	32.896	46
387.6	36.468	36.668	46
394.39	38.284	38.284	46
401.19	34.112	33.412	46
408	37.496	38.496	46
414.78	33.78	32.88	46
421.59	36.364	35.664	46
442	35.408	36.008	46
455.6	36.344	35.544	46
462.4	37.688	38.588	46
476	38.832	39.632	46
535.62	34.844	35.444	46
551.37	37.424	36.024	46
567.11	35.808	36.108	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)
71.61	25.66	36.86	40
122.39	35.46	33.26	43.5
129.19	33.37	33.17	43.5
133.92	30.64	34.54	43.5
142.8	35.03	33.13	43.5
149.6	35	32.3	43.5
197.2	31.97	30.27	43.5
210.8	33.48	30.38	43.5
217.6	35.14	30.44	46
224.4	37.98	33.48	46
428.4	37.872	39.572	46
472.6	39.552	38.152	46
590.75	39.692	36.292	46
598.38	40.676	40.176	46
630.13	39.6	39.8	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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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

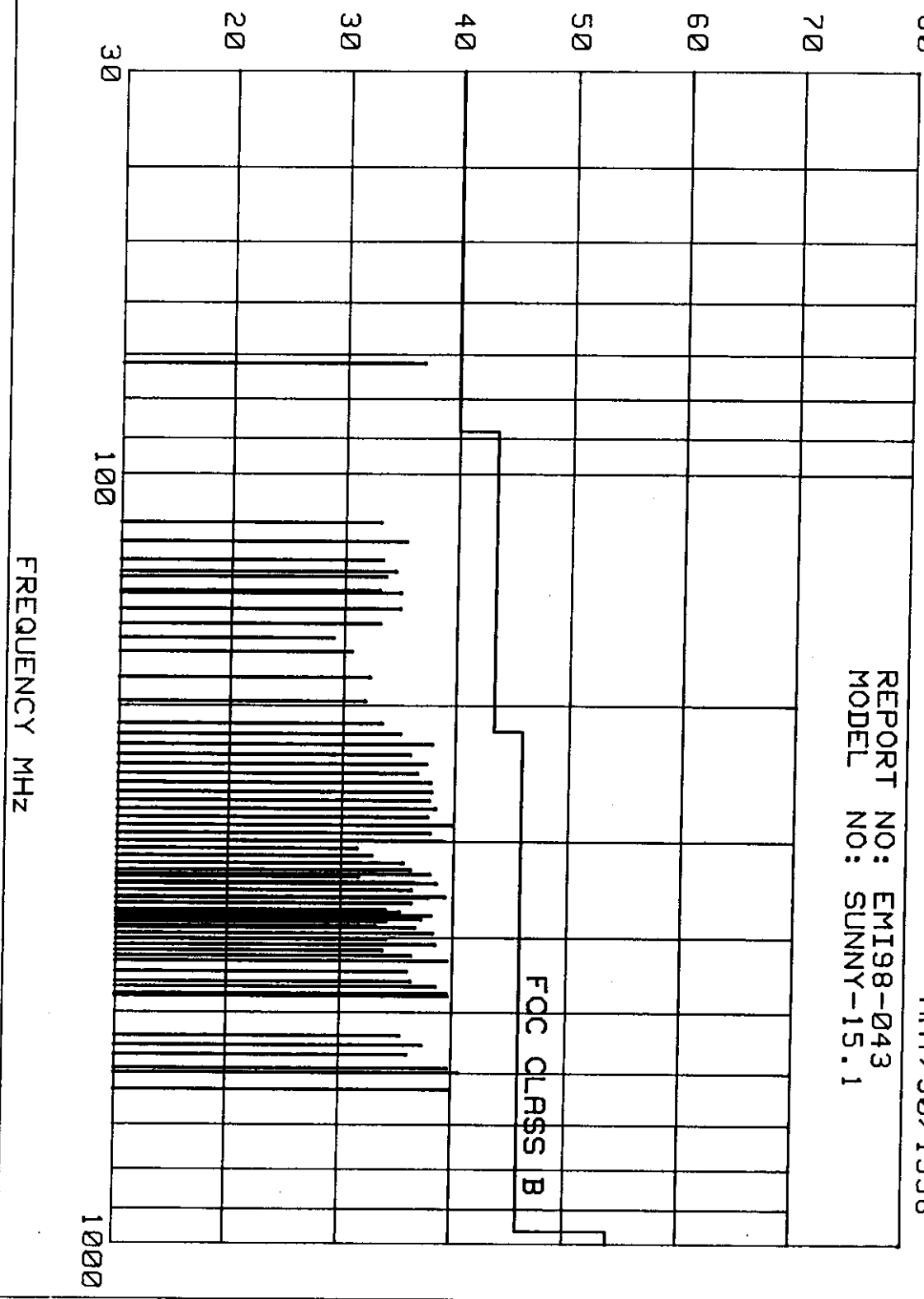
C.C.Wu

RFI EMISSION LEVEL dBuV/m

MAY/30/1998

REPORT NO: EMI98-043
MODEL NO: SUNNY-15.1

FOC CLASS B

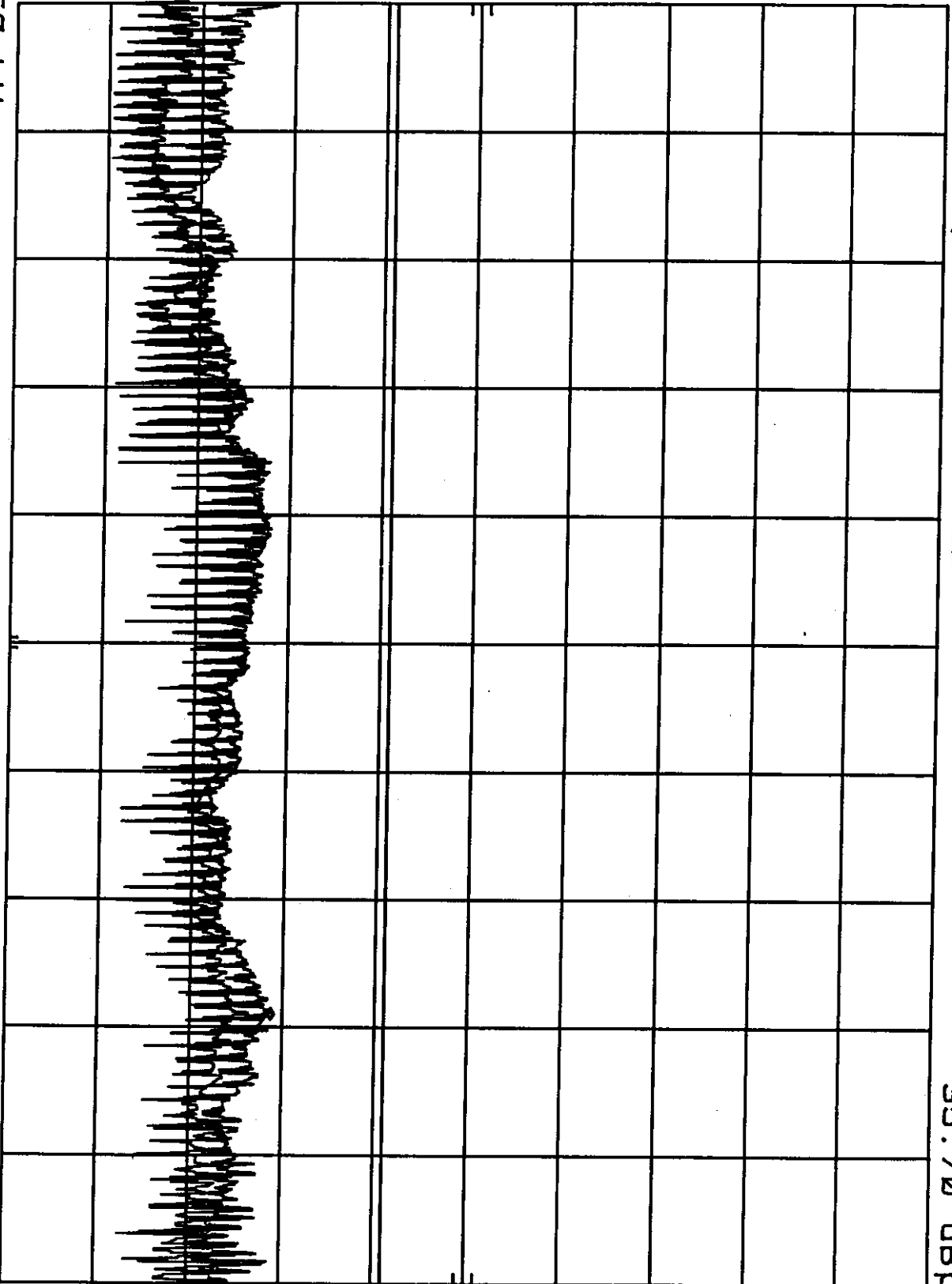


FREQUENCY MHz

A3KM082 RUN 1024X768/75Hz 60KHz MODE 110V MKR 23.76 MHz
REF 107.0 dBμV ATTN 10 dB 35.70 dBμV

10 dB/

DL
48.0
dBμV



START 450 KHz

RES BW 10 KHz

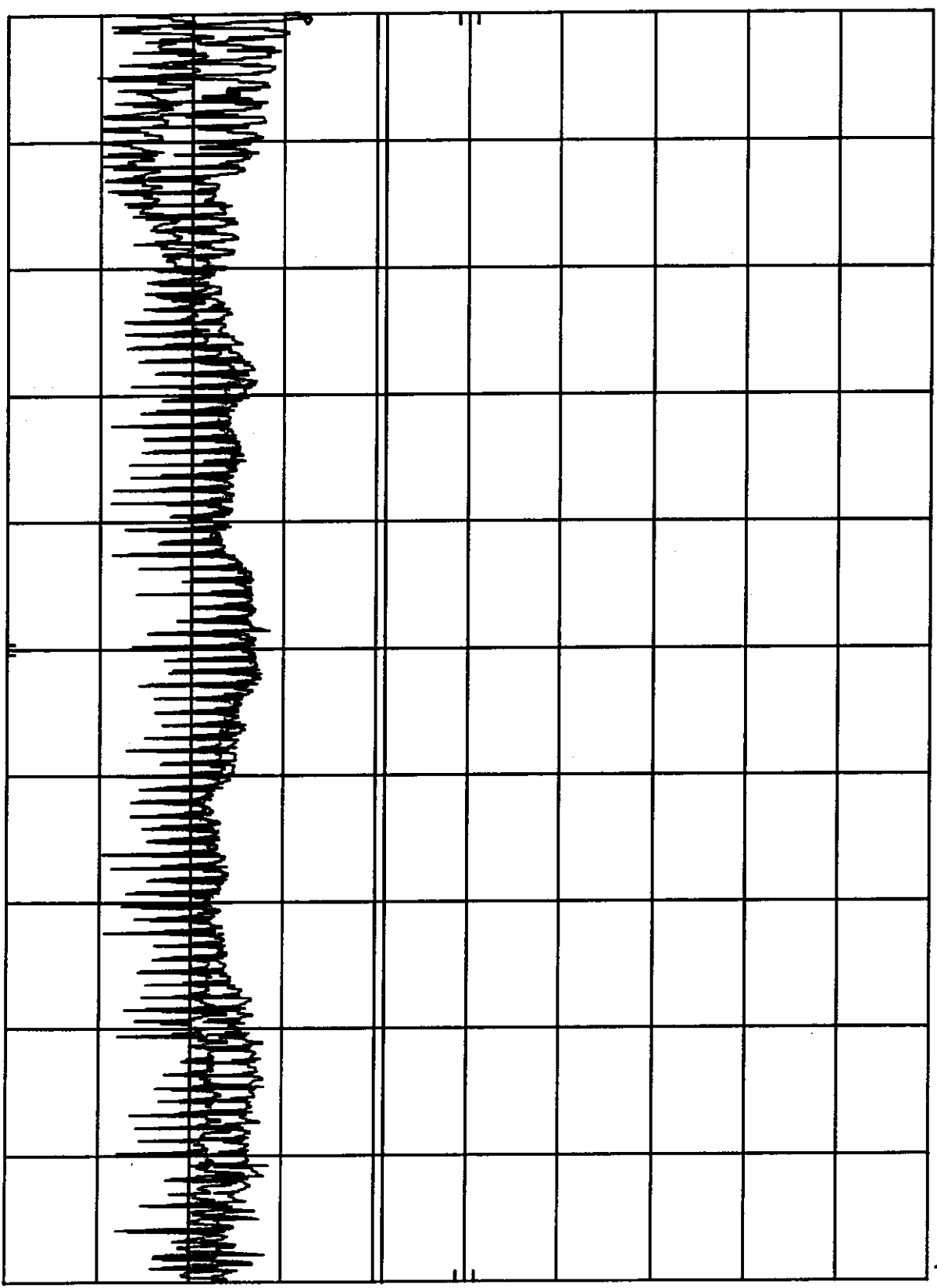
VBW 10 KHz

STOP 30.00 MHz
SWP 750 msec

A3KM082 RUN 1024X768/75Hz 60KHz MODE AC220V MKR 510 KHz
hp REF 107.0 dBμV ATTEN 10 dB 39.40 dBμV

10 dB/

DL
48.0
dBμV



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

FCC TEST REPORT

FCC ID : A3KM082
REPORT NO.: EMI98-043A
TEST DATE : JUN/01/1998
TEST ENGI.: C.C.Wu

TEST PERFORMED BY
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FCC ID. : A3KM082
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 : HAYES 07-00038 S/N.: A29900153966
FCC ID. : BFJ9D907-00038
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 : WINNER 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
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.
48.3Kz MODE(1024X768/60Hz) WAS TESTED.
FLY-IN I/O CABLE WITH FOUR FERRITE CORES(TWO INSIDE) WAS USED
UNSHIELDED MAINS CORD WAS USED DURING TEST.
EXTRA EARPHONE AND MICPHONE WERE USED DURING TEST.
EXTRA 4 USB CABLES WERE CONNECTED TO DUMMY LOAD WAS USED.

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)
110.2	29.3	33.5	43.5
121.0	33.85	31.70	43.5

156.72	31.45	30.25	43.5
170	29.6	30.9	43.5
197.35	33.87	AMBIENT	43.5
231.34	36.25	35.65	46
237.96	37.7	36.9	46
265.29	36.7	37.7	46
271.96	39.08	36.98	46
292.67	38.66	36.66	46
303.85	31.616	36.816	46
310.15	33.24	36.74	46
319.24	32.076	36.376	46
325.91	33.524	29.324	46
335.35	34.84	38.74	46
339.87	35.66	39.96	46
346.56	35.028	37.728	46
353.26	37.1	30.5	46
360.72	37.9	36.7	46
367.29	32.9	35	46
373.85	36.2	38.3	46
408	37.396	28.696	46
421.26	34.252	36.852	46
428.71	36.196	38.796	46
441.99	34.108	38.508	46
455.14	34.42	39.02	46
462.56	30.412	36.212	46
476.01	35.652	37.032	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)
71.33	26.18	37.28	40
115.28	33.1	30.6	43.5
116.5	32.52	36.32	43.5
122.72	33.89	35.29	43.5
135.95	28.56	31.96	43.5
149.27	33.69	33.49	43.5
183.26	32.07	27.67	43.5
210.63	33.28	31.28	43.5
218.07	32.44	32.04	46
223.85	34.08	AMBIENT	46
224.71	AMBIENT	38.4	46
251.27	38.05	33.35	46
258.72	41.25	35.75	46
340	32.86	37.86	46
387.27	33.532	38.532	46
394.72	36.62	39.12	46
580.95	34.272	38.672	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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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

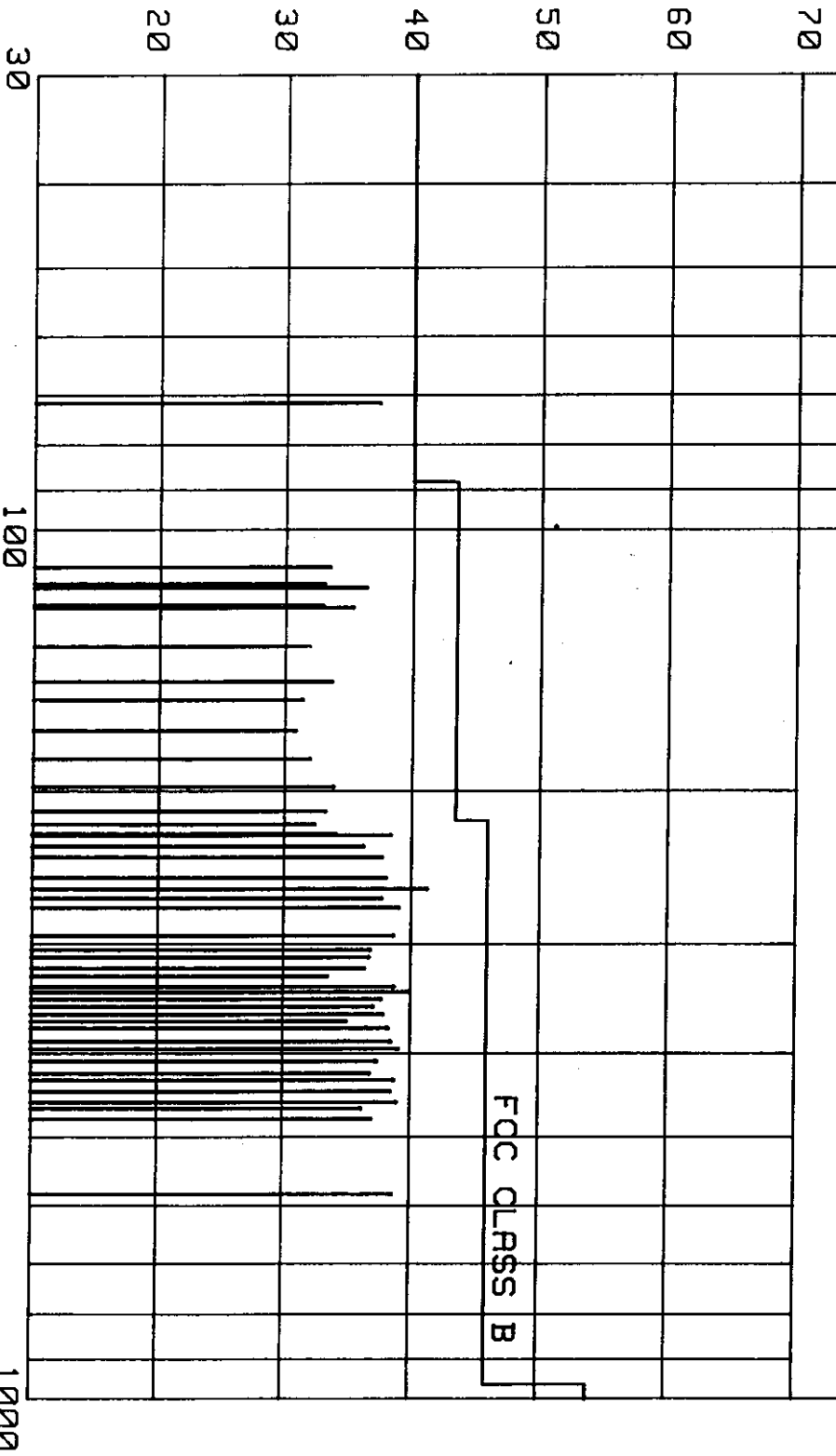
C.C.Wu

RFI EMISSION LEVEL dBuV/m

JUN/01/1998

REPORT NO: EM198-043A
MODEL NO: 151RX

FCC CLASS B

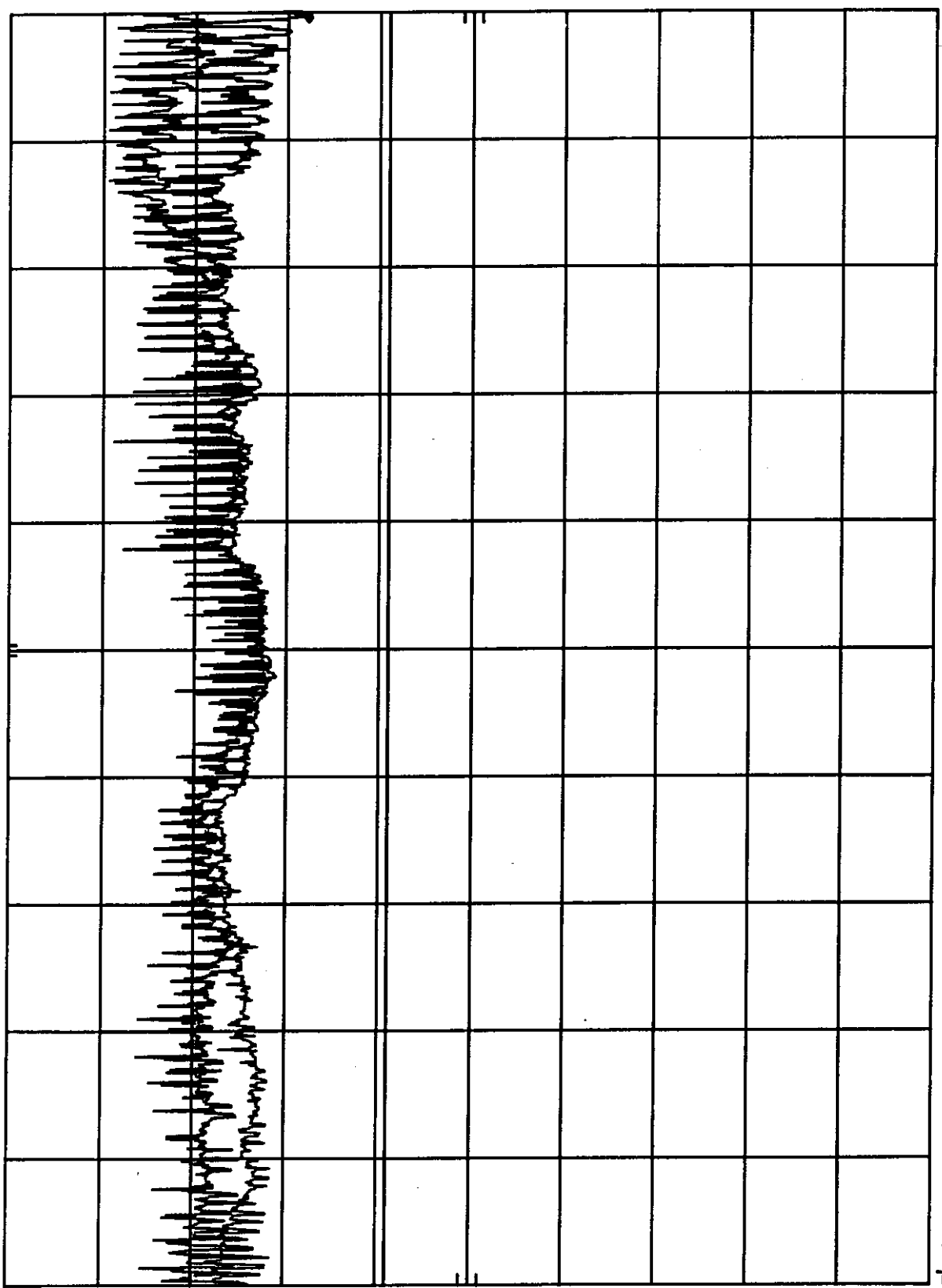


FREQUENCY MHz

A3KM082 RUN 1024X768/60HZ 48.3KHZ MODE AC220V MKR 510 KHZ
REF 107.0 dBμV ATTEN 10 dB 39.20 dBμV

10 dB/

DL
48.0
dBμV

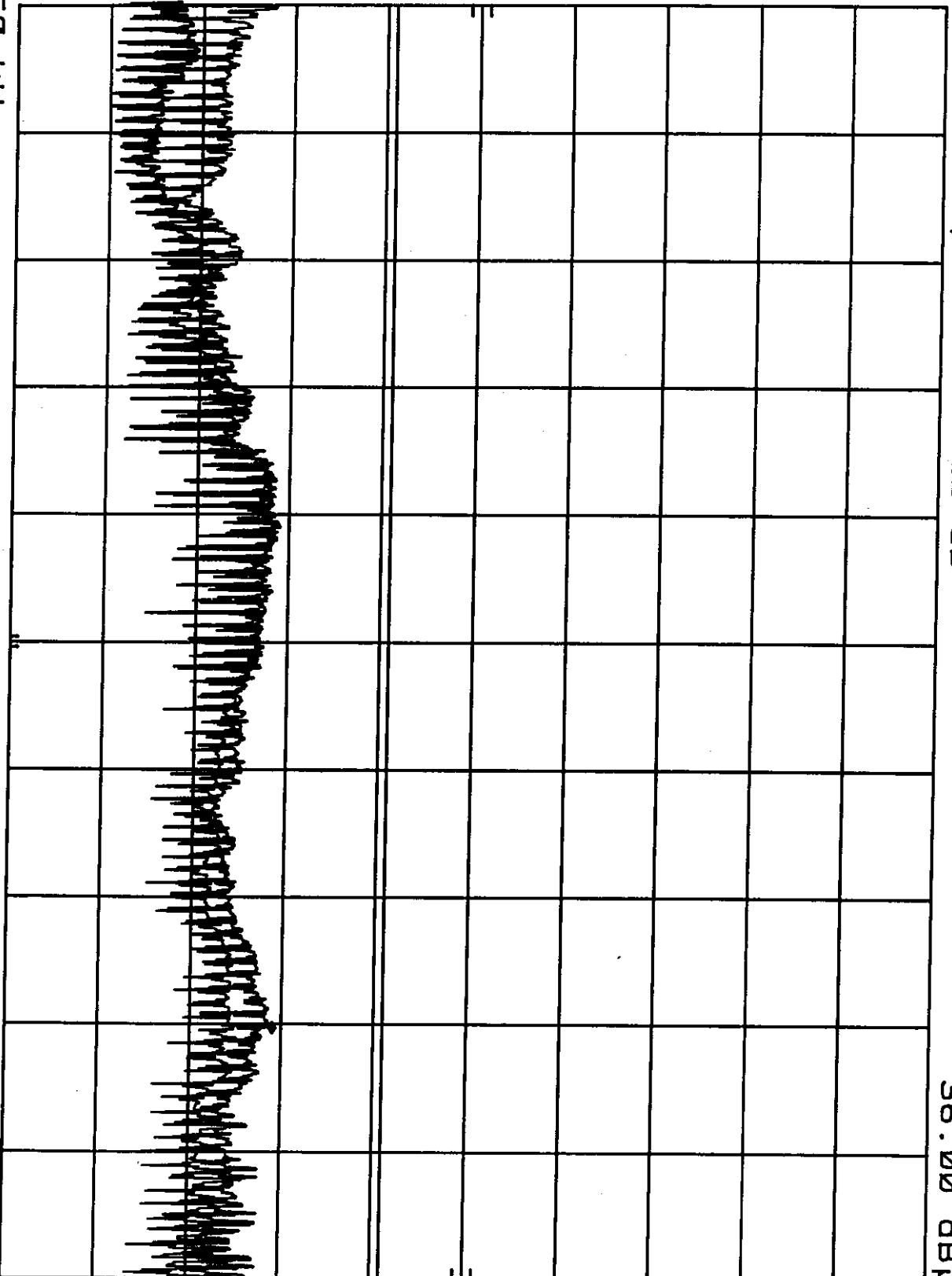


START 450 KHZ STOP 30.00 MHZ
RES BW 10 KHZ VBW 10 KHZ SWP 750 msec

A3KM082 RUN 1024X768/60Hz 48.3KHz MODE AC110V MKR 24.15 MHz
REF 107.0 dBμV ATTEN 10 dB 36.00 dBμV

10 dB/

DL
48.0
dBμV



START 450 KHz

RES BW 10 KHz

VBW 10 KHz

SWP 750 msec

STOP 30.00 MHz

FCC/MELLON

JAN 22 1999

FCC ID: A3KM082

Exhibit 6

Statement of Data Measured and Test Data of Modified

STATEMENT OF DATA MEASURED

1. General Information of EUT

The EUT, 15.1" LCD color monitor :

Model No. : 15L5082Q
 FCC ID : A3KM082
 Brand : PHILIPS

The LCD monitor automatically scans horizontal frequencies between 30KHz and 61KHz , and vertical frequencies between 50Hz and 75Hz. This color monitor displays sharp and brilliant images of text and graphics with a maximum resolution up to 1024X768 pixels. .

The monitor has 14 factory-preset modes as indicated in the following table:

	Resolution	H-Frequency	V-Frequency	Remark
M01	640 X 350	31.5KHz	70Hz	Non-interlaced
M02	720 X 400	31.5KHz	70Hz	Non-interlaced
M03	640 X 480	31.5KHz	60Hz	Non-interlaced
M04	640 X 480	35.0KHz	67Hz	Non-interlaced
M05	640 X 480	37.9KHz	73Hz	Non-interlaced
M06	640 X 480	37.5KHz	75Hz	Non-interlaced
M07	800 X 600	35.2KHz	56Hz	Non-interlaced
M08	800 X 600	37.9KHz	60Hz	Non-interlaced
M09	800 X 600	48.1KHz	72Hz	Non-interlaced
M10	800 X 600	46.9KHz	75Hz	Non-interlaced
M11	832 X 624	49.7KHz	75Hz	Non-interlaced
M12	1024 X 768	48.3KHz	60Hz	Non-interlaced
M13	1024 X 768	56.5KHz	70Hz	Non-interlaced
M14	1024 X 768	60.0KHz	75Hz	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@tw.ccmil.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	2403A06961	7/21/1998
RF Preselector	HP85685A	2901A00964	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 "15L5082Q" was connected to:

Item	Model No.	Serial No.	FCC ID
1. Computer	HP D5052N	FR80627957	B94VECTRAV6MT
2. Keyboard	HP C4735-60101	J7319E0092	FCC Logo
3. Mouse	IBM M-S34	23-146196	DZL211029
4. Printer	HP 2225C	3123S97227	DSI6XU2225
5. Modem	USRrobotics 268	0002680559278575	CJE-0318
6. Vide Card	METABYTE GIA-3D	10105	I27MM-VS03A
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 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
EMC99-001	1024 X 768	60.0KHz/75Hz
EMC99-001A	1024 X 768	48.3KHz/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" pattern 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 : A3KM082
REPORT NO.: EMI99-001
TEST DATE : JAN/01/1999
TEST ENGI.: C.C.Wu

TEST PERFORMED BY
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CHUNGLI, TAoyUAN, TAIWAN, R.O.C.
TEL: 886-3-4549862 FAX: 886-3-4549887

MANUFACTURER : PHILIPS
TESTED SYSTEM:

1. EUT : 15L5082Q LCD COLOR MONITOR S/N.: TY9802207
FCC ID. : A3KM082
2. COMPUTER: HP D5052N S/N.: FR80627957
FCC ID. : B94VECTRAV6MT
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: HP C4735-60101 S/N.: J7319E0092
FCC ID. : FCC LOGO
7. VIDEO CARD : METABYTE GIA-3D S/N.: 10105
FCC ID. : I27MM-VS03A
8. CD_ROMD : SONY CDU31A S/N.: --
FCC ID. : KGACDU31A2

NOTE: TEST WAS PERFORMED IN ACCORDANCE WITH FCC MEASUREMENT PROCEDURE
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MONITOR WAS CONNECTED TO FLOOR MOUNTED AC OUTLET.
48.3Kz MODE(1024X768/60Hz) WAS TESTED.
FLY-IN I/O CABLE WITH TWO FERRITE CORES(ONE INSIDE) WAS USED
UNSHIELDED MAINS CORD WAS USED DURING TEST.
EXTRA EARPHONE AND MICPHONE WERE USED DURING TEST.
EXTRA 4 USB CABLES WERE CONNECTED TO DUMMY LOAD WAS USED.

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)
47.55	26.82	31.92	40

122.44	29.26	30.76	43.5
129.22	39.27	31.77	43.5
149.56	31.2	29.4	43.5
156.43	30.7	28.8	43.5
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183.56	32.46	31.06	43.5
197.2	32.37	31.17	43.5
210.78	33.28	32.28	43.5
231.22	34.45	32.65	46
244.78	36	34	46
251.54	34.5	34.3	46
258.42	38.9	36.8	46
265.22	37.7	34.7	46
292.42	38.34	35.74	46
299.22	37.28	35.38	46
306	38.024	33.224	46
312.8	36.452	37.352	46
319.58	32.58	32.08	46
326.42	32.124	32.824	46
333.2	31.392	31.392	46
353.56	31.3	32	46
360.89	31.8	35	46
374	34.6	39.8	46
380.78	32.116	AMBIENT	46
387.57	31.668	32.568	46
394.43	32.784	34.384	46
408	33.596	33.696	46
421.04	38.252	38.352	46
442	35.908	37.408	46
462.44	33.388	34.888	46
476	35.532	36.732	46
498.58	34.268	34.968	46
516.79	34.236	33.636	46
530.43	34.22	34.02	46
544	39.676	38.976	46
578	38.236	38.936	46
598.43	35.576	35.376	46
666.43	39.388	38.588	46
686.79	39.588	38.688	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 :

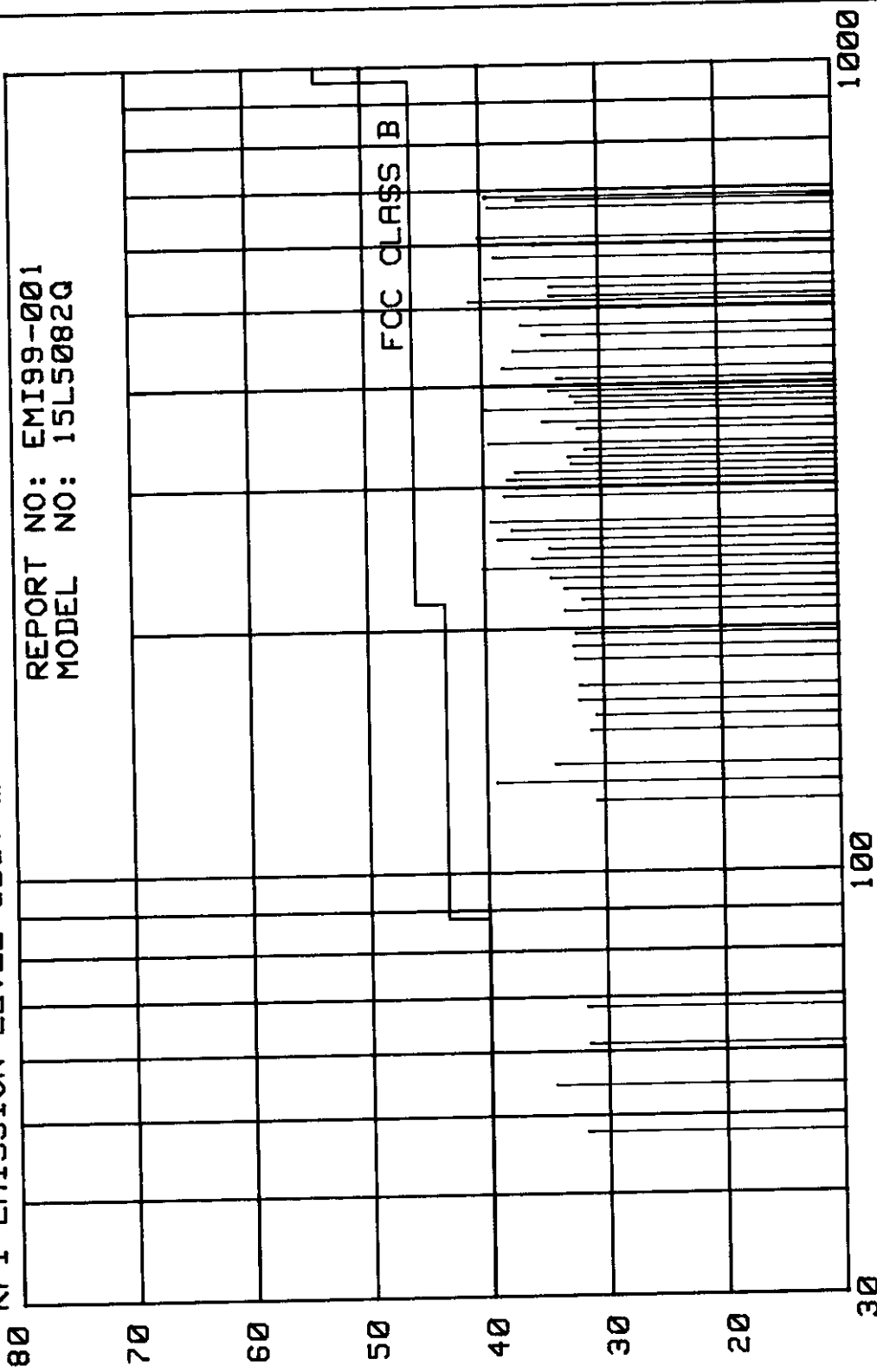
RADIATED RF LEVEL - QUASI-PEAK VALUE

FREQUENCY (MHz)	HORIZONTAL (dBuV/m)	VERTICAL (dBuV/m)	FCC CLASS B LIMIT (dBuV/m)
54.42	28.34	34.54	40
67.98	27.94	31.84	40
136	31.26	34.26	43.5
170	32.1	31.9	43.5
190.43	32.6	29.6	43.5

JAN/01/1999

RFI EMISSION LEVEL dBuV/m

REPORT NO: EMI99-001
MODEL NO: 15L5082Q



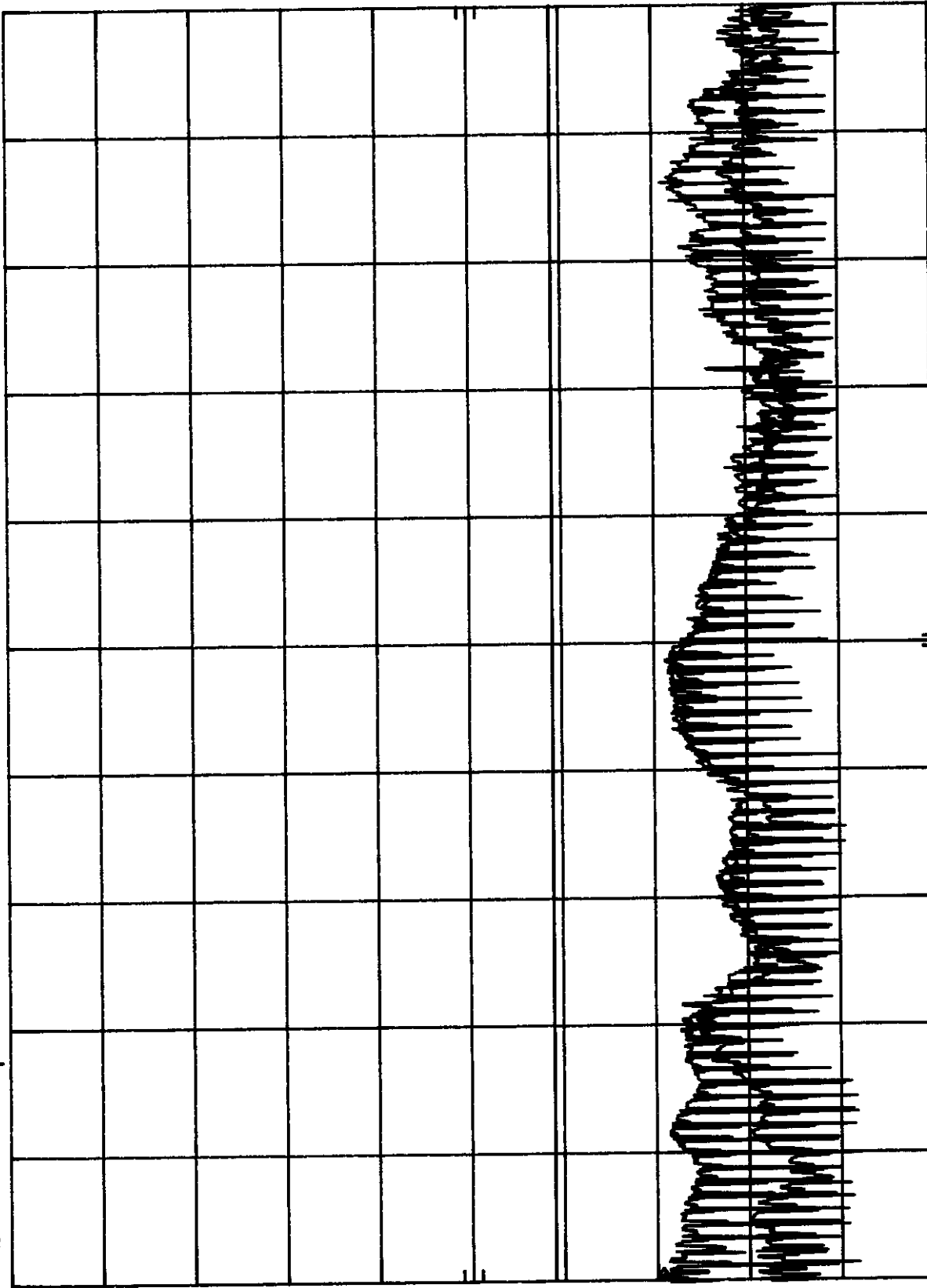
FREQUENCY MHz

A3KM082 RUN 1024X768/75HZ 60KHZ MODE AC110V MKR 570 KHZ
REF 107.0 dBμV ATTEN 10 dB 36.40 dBμV

HP

10 dB/

DL
48.0
dBμV



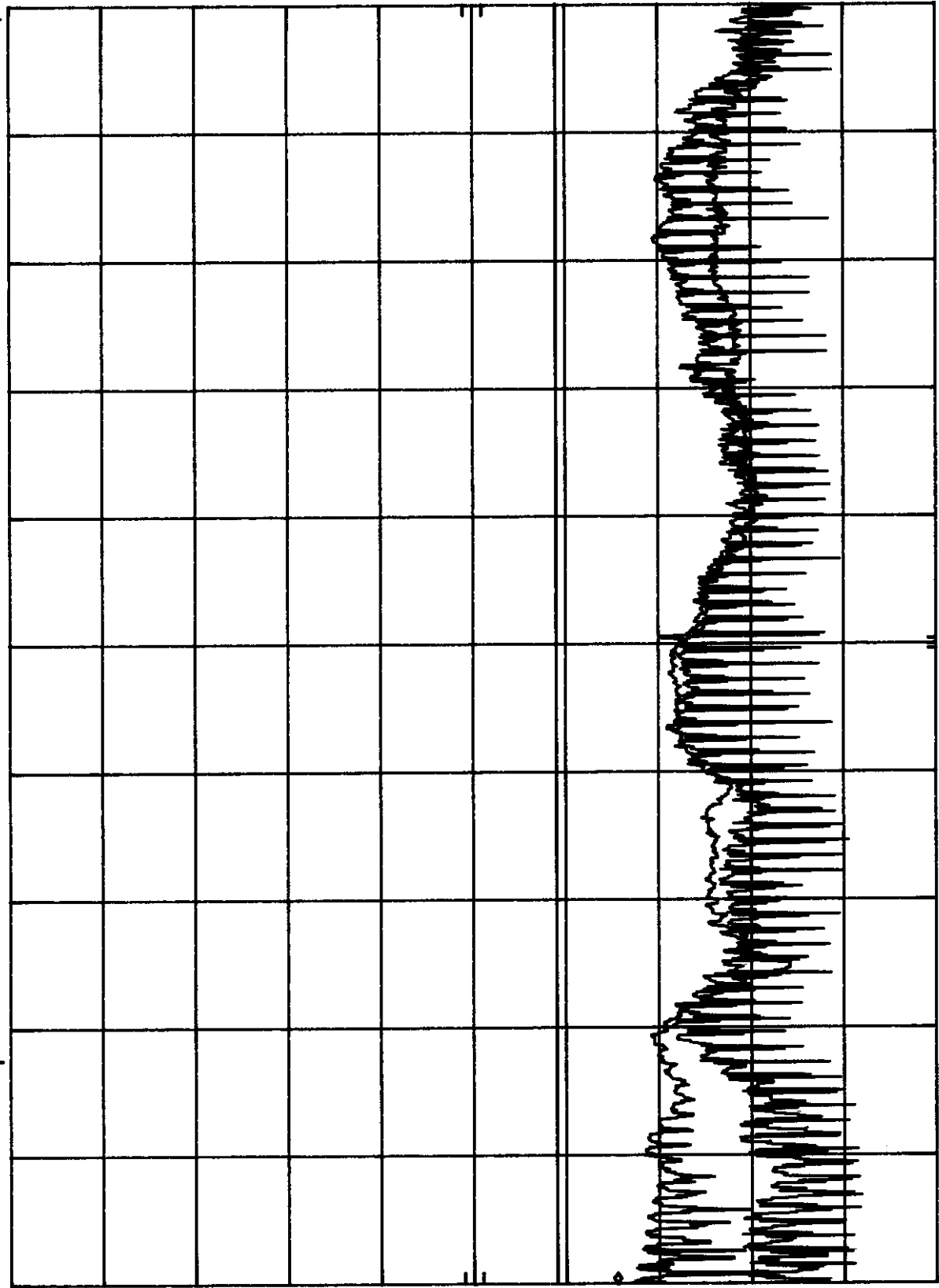
START 450 KHZ RES BW 10 KHZ VBW 10 KHZ STOP 30.00 Mhz
SWP 750 msec

A3KM082 RUN 1024X768/75Hz 60KHz MODE AC220V MKR 450 KHz
REF 107.0 dBμV ATTN 10 dB 41.50 dBμV

h_p

10 dB/

DL
48.0
dBμV



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

FCC TEST REPORT

FCC ID : A3KM082
 REPORT NO.: EMI99-001A
 TEST DATE : JAN/02/1999
 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 : 15L5082Q LCD COLOR MONITOR S/N.: TY9802207
 FCC ID. : A3KM082
2. COMPUTER: HP D5052N S/N.: FR80627957
 FCC ID. : B94VECTRAV6MT
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: HP C4735-60101 S/N.: J7319E0092
 FCC ID. : FCC LOGO
7. VIDEO CARD : METABYTE GIA-3D S/N.: 10105
 FCC ID. : I27MM-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 40GHz'

MONITOR WAS CONNECTED TO FLOOR MOUNTED AC OUTLET.
 48.3Kz MODE(1024X768/60Hz) WAS TESTED.
 FLY-IN I/O CABLE WITH TWO FERRITE CORES(ONE INSIDE) WAS USED
 UNSHIELDED MAINS CORD WAS USED DURING TEST.
 EXTRA EARPHONE AND MICPHONE WERE USED DURING TEST.
 EXTRA 4 USB CABLES WERE CONNECTED TO DUMMY LOAD WAS USED.

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)
47.68	26.52	29.92	40
61.14	31.23	32.33	40

72.18	32.46	31.16	40
115.65	27.26	30.46	43.5
122.32	29.16	29.76	43.5
129.16	30.57	31.37	43.5
156.32	31.6	29.1	43.5
163.15	29.49	31.19	43.5
183.67	32.16	31.06	43.5
197.15	32.97	31.07	43.5
210.83	33.28	32.28	43.5
231.14	35.65	33.05	46
244.84	35.7	33.5	46
251.68	35.3	34.1	46
258.32	39.4	36	46
265.15	38.4	35.3	46
278.83	36.66	AMBIENT	46
292.31	38.44	36.34	46
299.15	36.48	36.18	46
306	36.524	37.124	46
319.68	32.18	30.58	46
326.31	31.024	31.424	46
333.15	31.492	31.492	46
353.68	31.4	32.2	46
360.32	32.2	33	46
367.16	30.9	30.8	46
374	35.3	39.7	46
380.33	34.28	33.28	46
394.31	32.784	33.384	46
408	34.596	33.896	46
442	35.508	38.408	46
462.3	32.988	33.888	46
475.98	35.432	35.532	46
516.83	33.836	34.036	46
523.67	33.392	33.692	46
530.32	34.32	33.92	46
544	38.176	38.276	46
578	39.236	38.436	46
639.47	37.76	38.26	46
666.83	38.956	38.356	46
686.84	38.388	38.488	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)
54.3	27.24	34.34	40
68	28.94	32.14	40
136	32.96	35.26	43.5
170	31.8	32.7	43.5
190.3	33.7	30.4	43.5

217.67	31.54	30.24	46
224.3	33.08	30.68	46
238	40.3	37.2	46
272	39.28	35.38	46
393.52	42.984	40.484	46
442.72	36.732	37.932	46
510	40.08	41.18	46
612	39.784	38.284	46
680	36.42	36.92	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 (dB μ V/m) = ANTENNA FACTOR (dB) + CABLE (dB) + READING (dB μ V/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

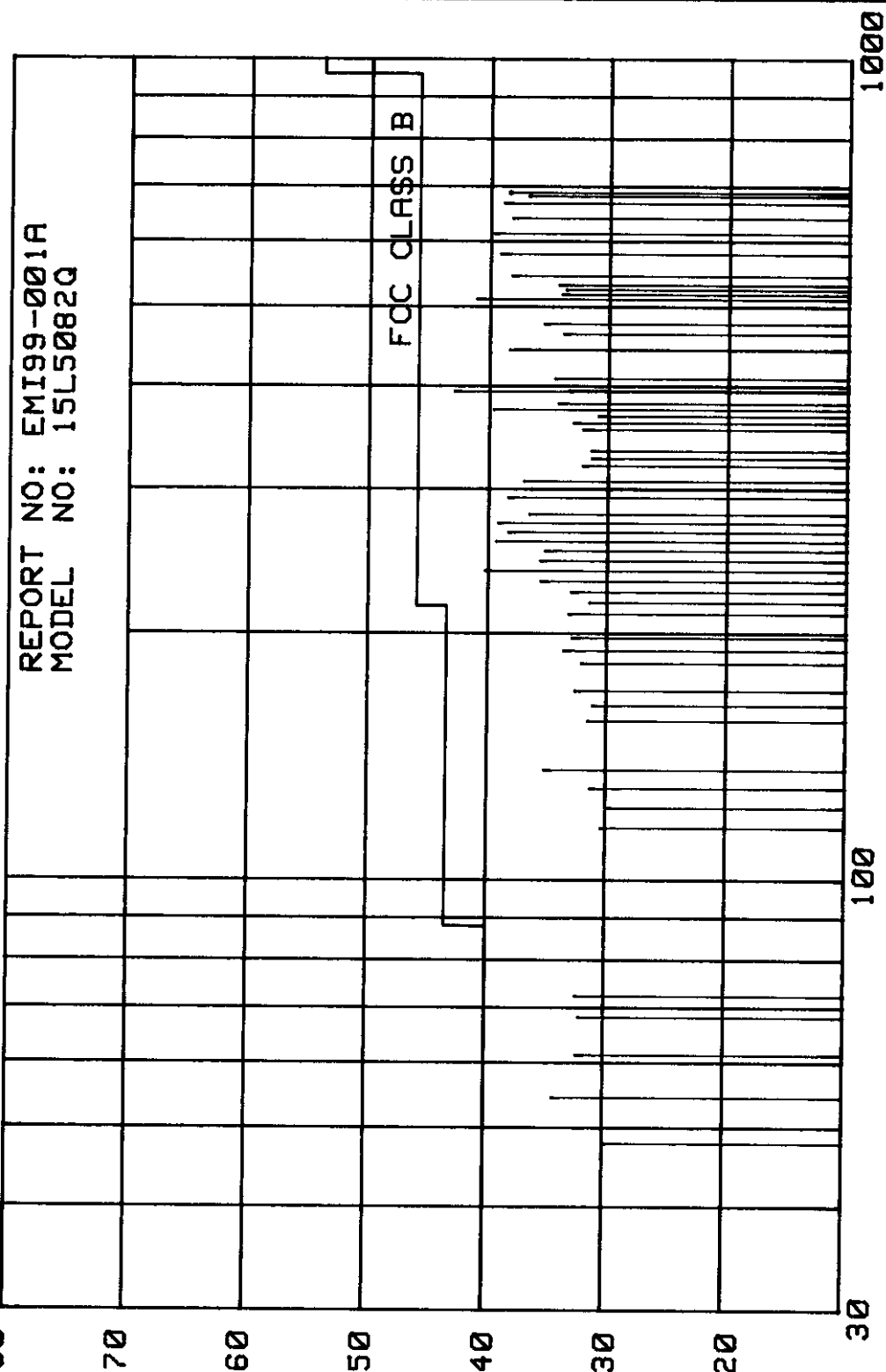
RFI EMISSION LEVEL dBuv/m

JAN/02/1999

REPORT NO: EMI99-001A
MODEL NO: 15L5082Q

FOC CLASS B

FREQUENCY MHz

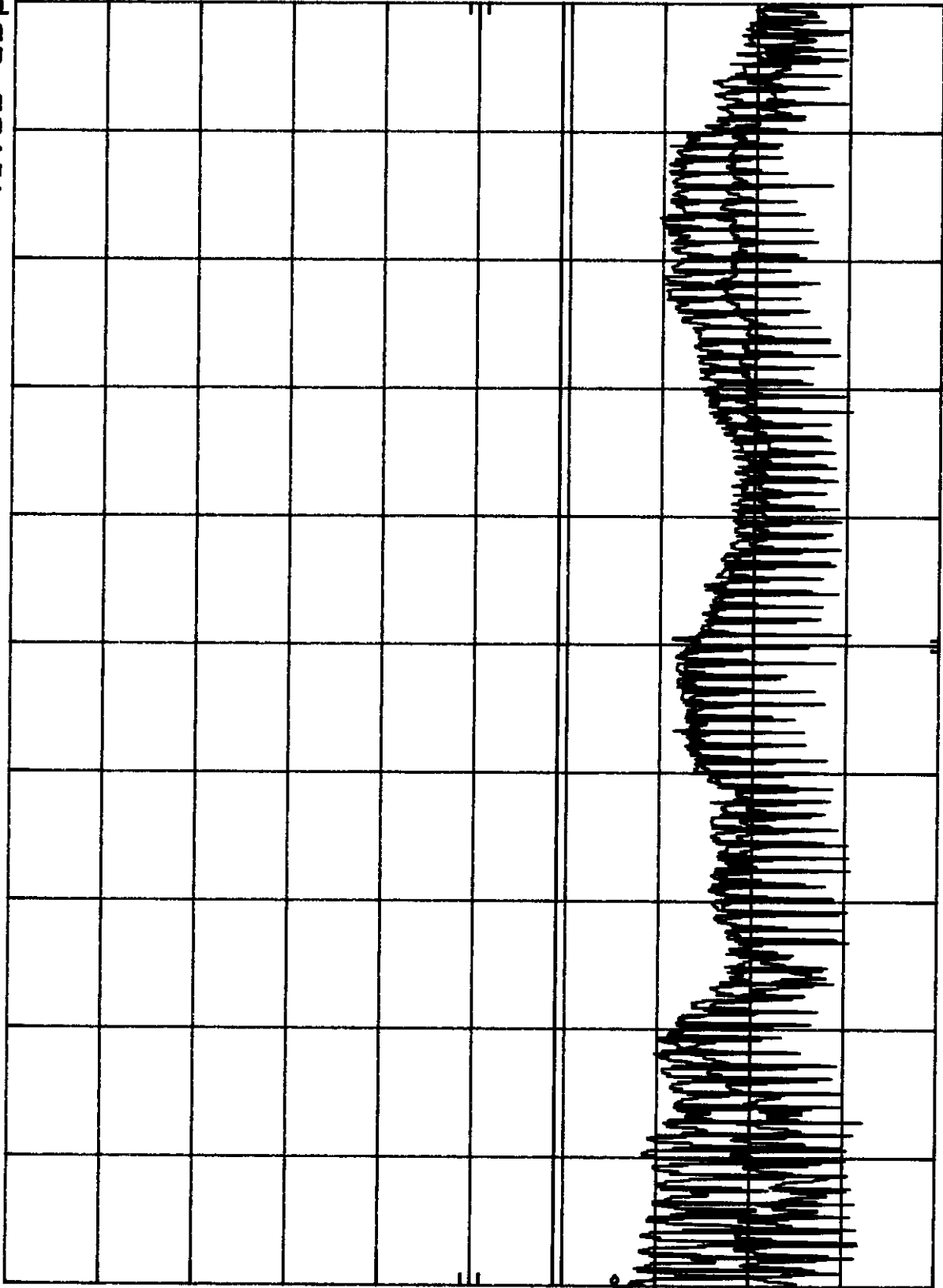


A3KM082 RUN 1024X768/60Hz 48.3KHz MODE AC220V MKR 450 kHz
REF 107.0 dBμV ATTEN 10 dB 41.30 dBμV

hp

10 dB/

DL
48.0
dBμV



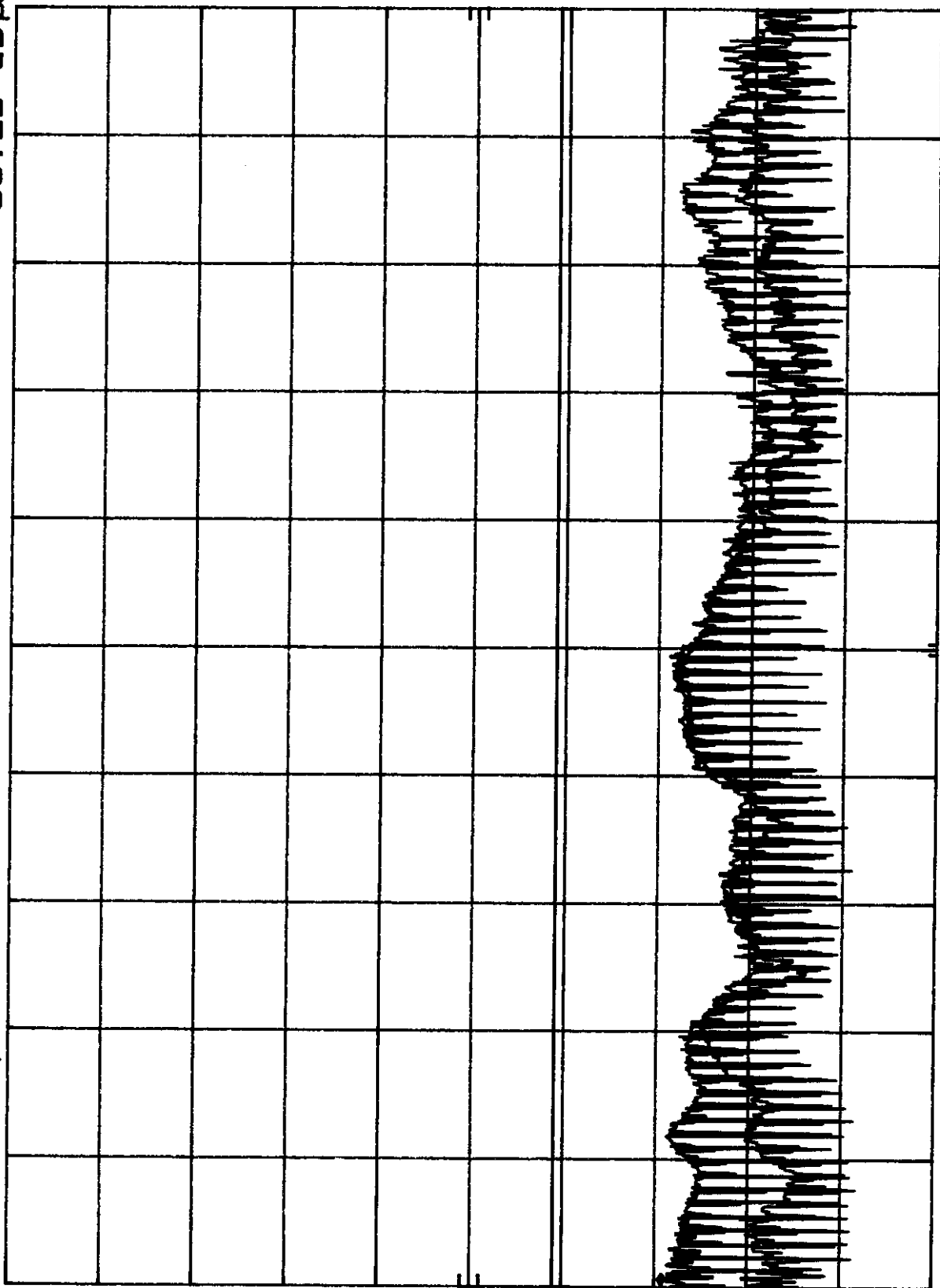
START 450 kHz RES BW 10 kHz VBW 10 kHz STOP 30.00 MHz
SWP 750 msec

A3KM082 RUN 1024X768/60HZ 48.3KHZ MODE AC110V MKR 600 KHZ
REF 107.0 dBμV ATTEN 10 dB 36.20 dBμV

hp

10 dB/

DL
48.0
1BμV



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