

Exhibit 5

Test Data of Original

APPLICATION FOR CERTIFICATION
On Behalf of
Philips Electronics Industries (Taiwan) Ltd.
15" Display Color Monitor

Model : 15B2322Q
Brand : Philips

FCC ID : A3KM078

Prepared for : Philips Electronics Industries (Taiwan) Ltd.
5, Tze Chiang 1 Rd, Chungli Ind. Park,
Chungli, Taoyuan Hsien, Taiwan, R.O.C.

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File Number : ATM-G97633
Report Number : TTEM-C-F97200
Date of Test : Dec. 02 / 04, 1997
Date of Report : Dec. 08, 1997

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TEST REPORT CERTIFICATION

Applicant : Philips Electronics Industries (Taiwan) Ltd.
Manufacturer : Philips Electronics Industries (Taiwan) Ltd.
FCC ID : A3KM078
EUT Description : 15" Display Color Monitor
(A) MODEL NO. : 15B2322Q
(B) BRAND : Philips
(C) SERIAL NO. : N/A
(D) POWER SUPPLY : 120V AC / 60Hz

Measurement Procedure Used:

FCC RULES AND REGULATIONS PART 15 SUBPART B CLASS B OCTOBER 1996
AND FCC / ANSI C63.4-1992

The device described above was tested by TAIWAN TOKIN EMC ENG. CORP. to determine the maximum emission levels emanating from the device. The maximum emission levels were compared to the FCC Part 15B Class B limits both radiated and conducted emissions.

The measurement results were contained in this test report and TAIWAN TOKIN EMC ENG. CORP. was assumed full responsibility for the accuracy and completeness of these measurements. Also, this report shows that the EUT to be technically compliant with the FCC official limits. TAIWAN TOKIN EMC ENG. CORP. recommends that this data was submitted for FCC certification purposes if a 3dB margin below FCC limits was obtained. This report applies to above tested sample only. This report shall not be reproduced in part without written approval of Taiwan Tokin EMC Eng. corp.

Date of Test : Dec. 02 / 04, 1997

Prepared by : (Signature)
(SHELENE HOU)

Test Engineer : (Signature)
(KENT HSU)

Approve & Authorized Signer : (Signature)
(STEVEN CHANG)

1. GENERAL INFORMATION

1.1. Description of Device (EUT)

Description	:	15" Display Color Monitor
Model Number	:	15B2322Q
Brand	:	Philips
FCC ID	:	A3KM078
Applicant	:	Philips Electronics Industries (Taiwan) Ltd. 5, Tze Chiang 1 Rd, Chungli Ind. Park, Chungli, Taoyuan Hsien, Taiwan, R.O.C.
Manufacturer	:	Philips Electronics Industries (Taiwan) Ltd. 5, Tze Chiang 1 Rd, Chungli Ind. Park, Chungli, Taoyuan Hsien, Taiwan, R.O.C.
CRT	:	Philips, M/N M36EDR323X130/2CFIR S/N 52523503
Data Cable	:	Shielded, Undetachable, 1.5m Bonded two ferrite cores
Mic. Out Cable	:	Nonshielded, Detachable, 1.5m Bonded a ferrite core
Audio In Cable	:	Nonshielded, Detachable, 1.5m Bonded a ferrite core
Power Cord	:	Nonshielded, Detachable, 1.8m
Date of Test	:	Dec. 02 / 04, 1997

1.2. Details of Support Equipments

1.2.1. PERSONAL COMPUTER

Model Number	:	D5250A
Serial Number	:	US72455810
FCC ID	:	By FCC DoC
Manufacturer	:	Hewlett Packard
VGA Card	:	Within Mother Board
USB Cable * 2	:	Nonshielded, Detachable, 1.5m
Power Cord	:	Nonshielded, Detachable, 1.8m

1.2.2. KEYBOARD

Model Number	:	SK-2505
Serial Number	:	M97054167
FCC ID	:	By FCC DoC
Manufacturer	:	Hewlett Packard
Data Cable	:	Shielded, Undetachable, 1.5m
		Boned a ferrite core
		With Audio cable, boned a ferrite core

1.2.3. PRINTER

Model Number	:	2225C
Serial Number	:	3007S68643
FCC ID	:	DSI6XU2225
Manufacturer	:	Hewlett Packard
Power Adapter	:	Hewlett Packard. M/N 82241A
Power Cord	:	Nonshielded, Undetachable, 2.0m
Data Cable	:	Shielded, Detachable, 1.2m

1.2.4. MODEM

Model Number	:	1414
Serial Number	:	950110300
FCC ID	:	IFAXDM1414
Manufacturer	:	Aceex
Data Cable	:	Shielded, Detachable, 1.2m
Power Adapter	:	Amigo. Model AM-91000A
		Nonshielded, Undetachable, 1.8m

1.2.5. MOUSE

Model Number	:	M-S34
Serial Number	:	LZA71103464
FCC ID	:	DZL211029
Manufacturer	:	Hewlett Packard
Data Cable	:	Shielded, Undetachable, 1.8m

1.2.6. JOYSTICK

Model Number	:	1FD05015
Serial Number	:	N/A
Manufacturer	:	Rambo
Data Cable	:	Nonshielded, Undetachable, 1.6m

1.2.7. SPEAKER

Model Number	:	J-008
Serial Number	:	97-C-009780-T
Manufacturer	:	Jazz Hipster
Data Cable	:	Nonshielded, Undetachable, 1.1m

1.2.8. MICROPHONE

Model Number	:	MIC-2
Serial Number	:	N/A
Manufacturer	:	Multimedia Microphone System
Data Cable	:	Nonshielded, Undetachable, 2.2m

1.2.9. WALKMAN

Model Number	:	WM-18
Serial Number	:	N/A
Manufacturer	:	Dragon
Data Cable	:	Nonshielded, Detachable, 1.8m

1.2.10. TELEPHONE

Model Number	:	K-2500TRP
Serial Number	:	1015198
Manufacturer	:	Kuo Yang
Data Cable	:	Nonshielded, Detachable, 0.5m

1.2.11. EARPHONE *2

Model Number	:	N/A
Serial Number	:	N/A
Manufacturer	:	Cathay Pacific
Data Cable	:	Nonshielded, Undetachable, 1.3m

1.2.12. USB SIMULATOR

Model Number	:	N/A
Manufacturer	:	Philips

1.3. Description of Test Facility

Site Description (No. 4 Open Site)	:	May. 14, 1997 Re-file on Federal Communication Commission FCC Engineering Laboratory 7435 Oakland Mills Road Columbia, MD 21046, U.S.A.
Name of Firm	:	Taiwan Tokin EMC Eng. Corp
Site Location	:	No. 53-11, Tin-Fu Tsun, Lin-Kou, Taipei Hsien Taiwan R.O C
NVLAP Lab Code	:	200077-0

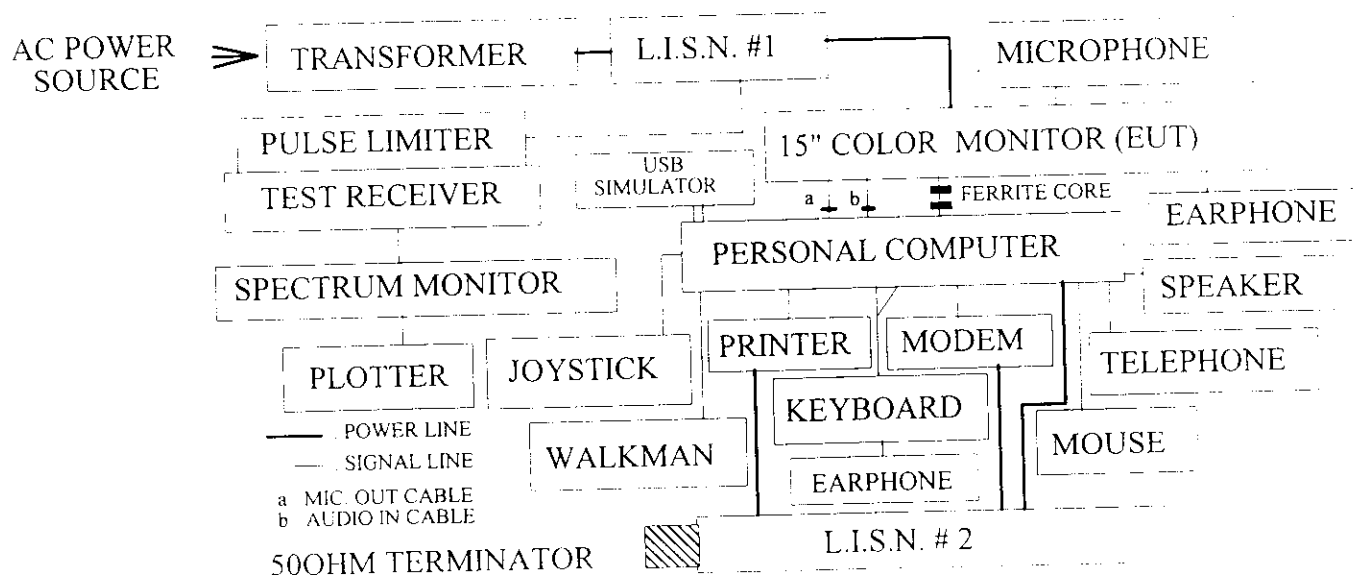
2. POWERLINE CONDUCTED TEST

2.1. Test Equipment

The following test equipments were used during the power line conducted tests :

Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Test Receiver	Rohde & Schwarz	ESH3	893044/015	May.15, 97	1 Year
2.	L.I.S.N. # 1	Kyoritsu	KMW-407	8-855-9	May.01, 97	1 Year
3.	L.I.S.N. # 2	Kyoritsu	KMW-407	8-881-13	May.01, 97	1 Year

2.2. Block Diagram of Test Setup



2.3. Conducted Powerline Emission Limit (CLASS B)

Frequency	Maximum RF Line Voltage	
	uV	dBuV
0.45MHz ~ 30MHz	250	48

REMARKS : RF LINE VOLTAGE (dBuV) = 20 log RF LINE VOLTAGE (uV)

2.4. EUT Configuration on Measurement

The following equipments were installed on RF LINE VOLTAGE measurement to meet the Commission requirement and operating in a manner which tended to maximize its emission characteristics in a normal application.

2.4.1. 15" Display Color Monitor (EUT)

Model Number	:	15B2322Q
Brand	:	Philips
Serial Number	:	N/A
FCC ID	:	A3KM078
Manufacturer	:	Philips Electronics Industries (Taiwan) Ltd.
CRT	:	Philips, M/N M36EDR323X130/2CFIR S/N 52523503
Mic. Out Cable	:	Nonshielded, Detachable, 1.5m Bonded a ferrite core
Audio In Cable	:	Nonshielded, Detachable, 1.5m Bonded a ferrite core
Data Cable	:	Shielded, Undetachable, 1.5m Bonded two ferrite cores
Power Cord	:	Nonshielded, Detachable, 1.8m

2.4.2. Support Equipments : As in section 1.2.

2.5. Operating Condition of EUT

- 2.5.1. Setup the EUT and simulator as shown on 2.2.
- 2.5.2. Turn on the power of all equipments.
- 2.5.3. Personal Computer sent "H" character to monitor (EUT) and the screen displayed and full with "H" pattern.
- 2.5.4. Personal Computer sent sound to monitor (EUT) via audio in cable and hear sound from earphone.
- 2.5.5. The other peripheral devices were drove and operated in turn during all testing.

2.6. Test Procedure

The EUT was connected to the power mains through a line impedance stabilization network (L.I.S.N. #1) and the other peripheral devices power cord were connected to the power mains through a line impedance stabilization network (L.I.S.N. #2). This provided a 50 ohm coupling impedance for the measuring equipment. (Please refer to the block diagram of the test setup and photographs.) Both sides of A.C. line were checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipments and all of the interface cables were changed according to FCC ANSI C63.4-1992 on conducted measurement.

The bandwidth of the field strength meter (R & S Test Receiver ESH3) was set at 10KHz.

The frequency range from 450KHz to 30MHz was checked.

The following test modes were done on conducted test and all the test results are listed in section 2.7

- (1) 64KHz / 1280*1024, 60Hz
- (2) 69KHz / 1024*768, 85Hz

2.7. Line Conducted RF Voltage Measurement Results

The frequency range from 450KHz to 30 MHz was investigated.
All emissions not report below are too low against the prescribed limits.

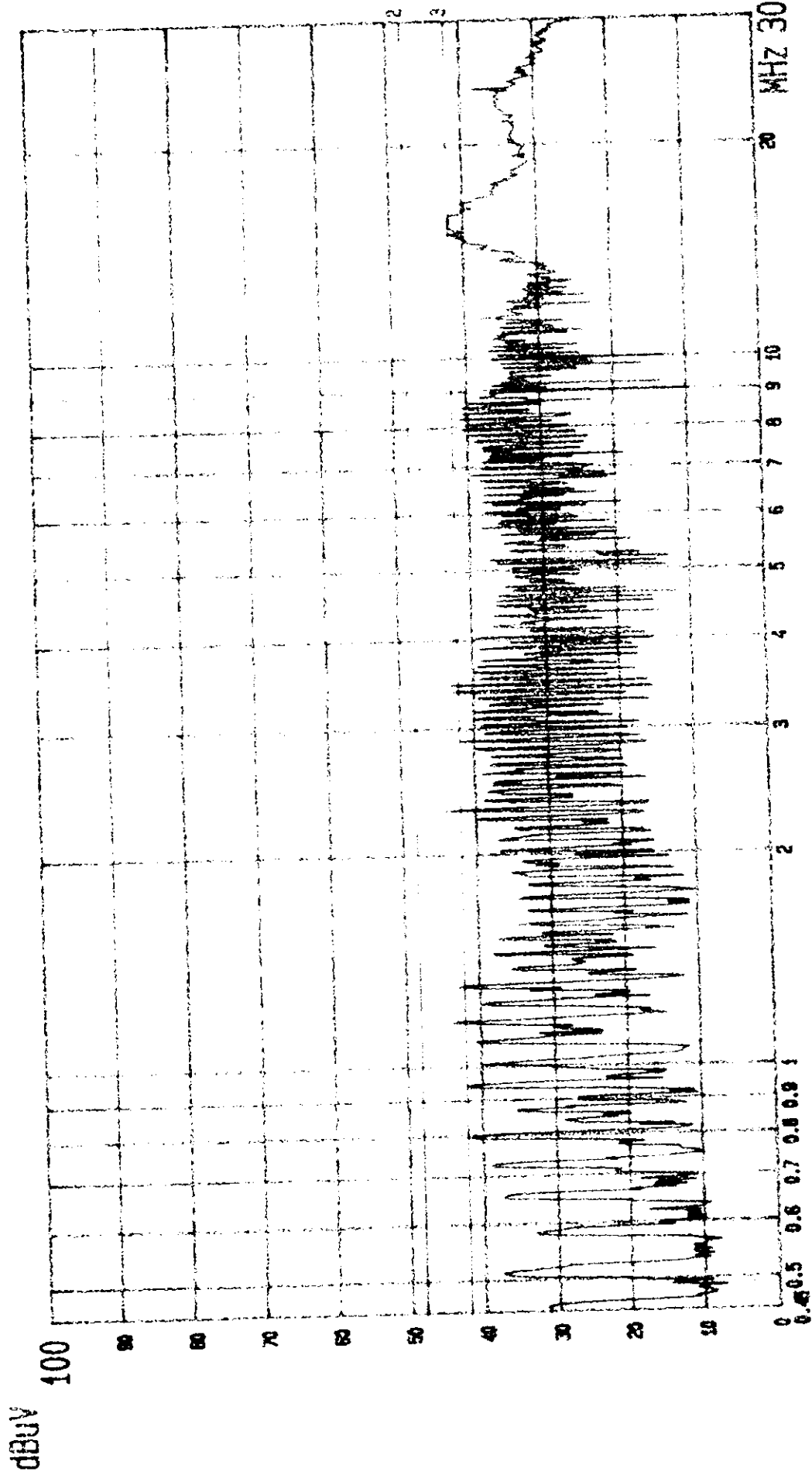
Date of Test : Dec. 04, 1997 Temperature : 19 °C

EUT : 15" Display Color Monitor Humidity : 62 %

Test Mode : 64KHz/1280*1024, 60Hz

Frequency (MHz)	Factor dB	Measurement (dBuV)		Reading (dBuV)		Limits (dBuV)	Margin (dBuV)	
		VA	VB	VA	VB		VA	VB
0.7208	0.2	*	37.1	*	37.3	48.0	*	10.7
0.7922	0.2	39.6	*	39.8	*	48.0	8.2	*
0.9374	0.2	*	39.2	*	39.4	48.0	*	8.6
1.1520	0.2	39.6	*	39.8	*	48.0	8.2	*
2.3038	0.2	41.3	39.7	41.5	39.9	48.0	6.5	8.1
3.3170	0.2	*	40.0	*	40.2	48.0	*	7.8
3.3846	0.2	39.7	*	39.9	*	48.0	8.1	*
8.2103	0.3	37.2	38.2	37.5	38.5	48.0	10.5	9.5
15.7721	0.8	40.1	39.5	40.9	40.3	48.0	7.1	7.7

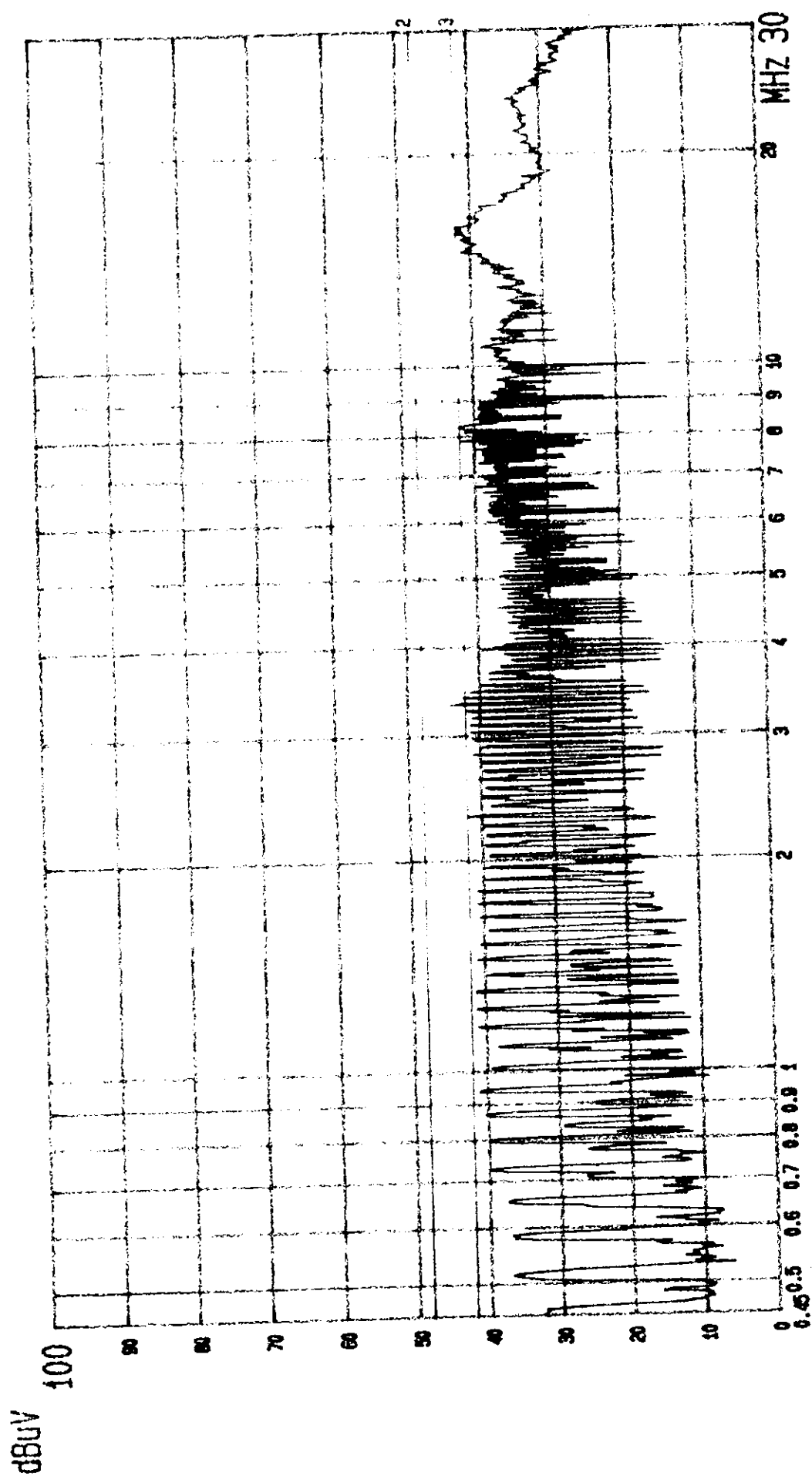
- Remark :
1. All reading are Quasi-Peak values.
 2. Factor = Insertion Loss + Cable Loss
 3. The worst emission was detected at 2.3038MHz with corrected signal level of 41.5dBuV (limit was 48dBuV) when the VA side of the EUT was connected to L.I.S.N.



--- Date 04 DEC '97 Time 19:37:18
PHILIPS EUT: 15 DISPLAY COLOR MONITOR
LINE: VA. MEMO: 64KHz (1280x1024/60Hz)

M/N: 15B2322G
(PEAK VALUE)

TAIWAN TOKIN EMC.ENG.CORP.
PAGE:002.



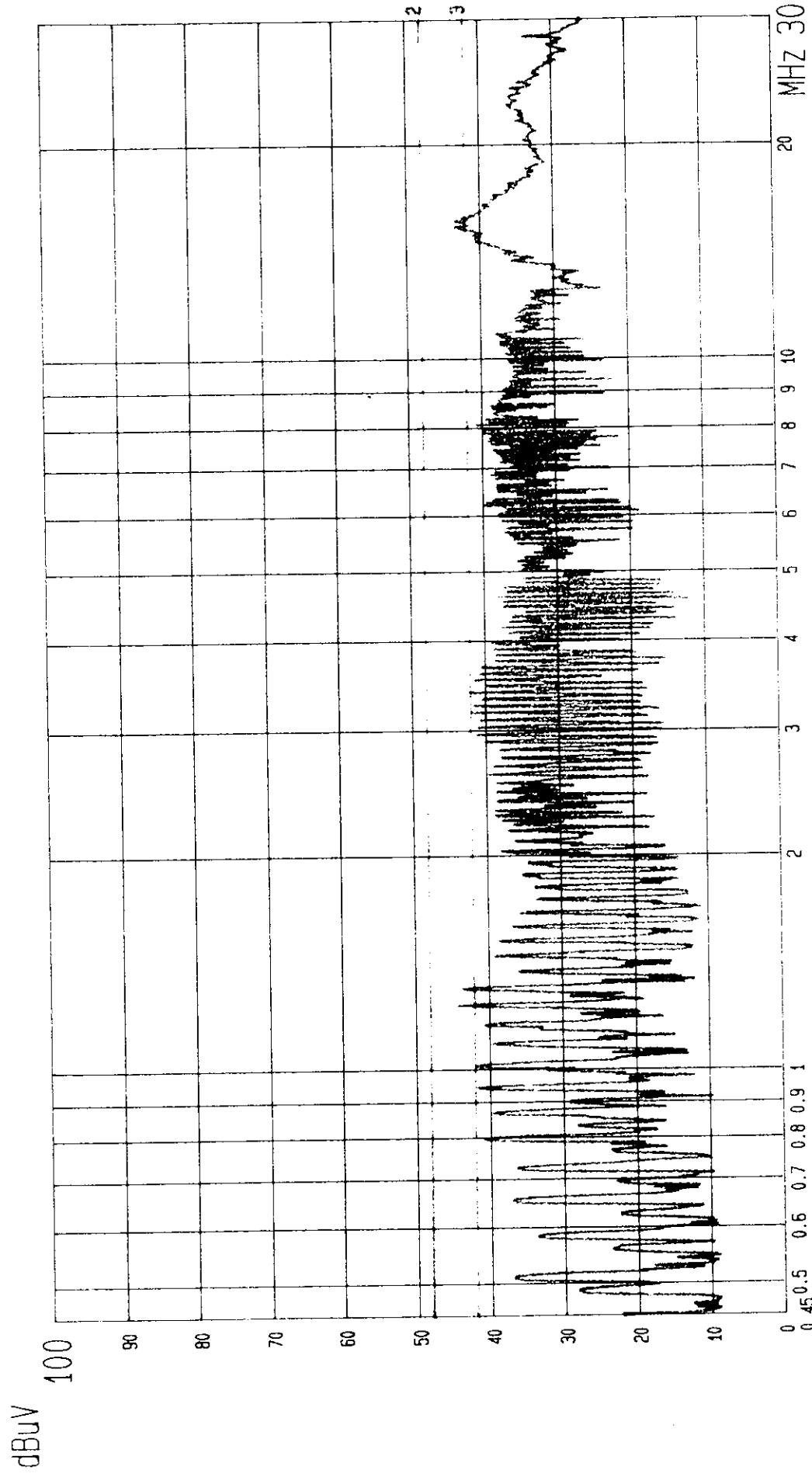
--- Date 04 DEC '97 Time 19:33:02
PHILIPS EUT: 15 DISPLAY COLOR MONITOR
LINE: VB. MEMO: 64KHz (1280x1024/60Hz)

M/N: 15B2322G
(PEAK VALUE)
TAIWAN TOKIN EMC.ENG.CORP.
PAGE: 001.

Date of Test : Dec. 04, 1997 Temperature : 19 °CEUT : 15" Display Color Monitor Humidity : 62 %Test Mode : 69KHz/1024*768, 85Hz

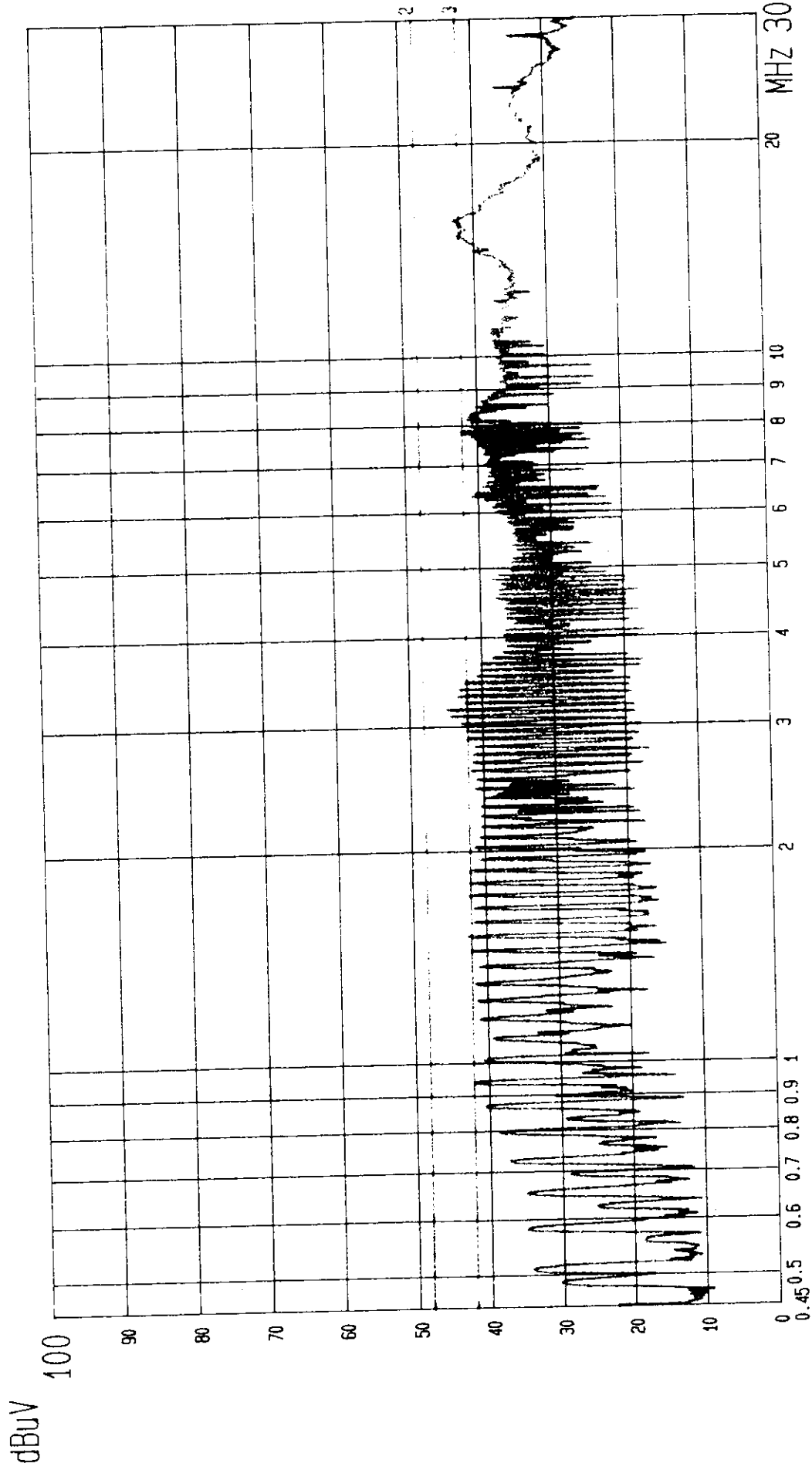
Frequency (MHz)	Factor dB	Measurement (dBuV)		Reading (dBuV)		Limits (dBuV)	Margin (dBuV)	
		VA	VB	VA	VB		VA	VB
0.9339	0.2	*	39.6	*	39.8	48.0	*	8.2
1.0065	0.2	39.8	*	40.0	*	48.0	8.0	*
1.2223	0.2	41.8	*	42.0	*	48.0	6.0	*
1.5094	0.2	*	40.1	*	40.3	48.0	*	7.7
3.1619	0.2	*	42.1	*	42.3	48.0	*	5.7
3.3810	0.2	39.8	*	40.0	*	48.0	8.0	*
6.1863	0.3	37.1	*	37.4	*	48.0	10.6	*
6.3242	0.3	*	38.0	*	38.3	48.0	*	9.7
7.8360	0.3	*	38.8	*	39.1	48.0	*	8.9
8.0549	0.3	37.4	*	37.7	*	48.0	10.3	*
15.2496	0.8	40.4	*	41.2	*	48.0	6.8	*
15.5993	0.8	*	39.7	*	40.5	48.0	*	7.5

- Remark :
1. All reading are Quasi-Peak values.
 2. Factor = Insertion Loss + Cable Loss
 3. The worst emission was detected at 3.1619MHz with corrected signal level of 42.3dBuV (limit was 48dBuV) when the VB side of the EUT was connected to L.I.S.N.



--- Date 04 DEC '97 Time 19:47:46
PHILIPS EUT: 15" DISPLAY COLOR MONITOR
LINE: VA. MEMO: 69KHz (1024x768/85Hz)

M/N: 15B23220
(PEAK VALUE) TAIWAN TOKIN EMC. ENG. CORP.
PAGE: 003.



--- Date 04 DEC '97 Time 19:56:18
PHILIPS EUT: 15" DISPLAY COLOR MONITOR
LINE: VB. MEMO: 69KHz (1024x768/85Hz)

M/N: 15B2322Q
(PEAK VALUE)

TAIWAN TOKIN EMC.ENG.CORP.

PAGE: 004.

3. RADIATED EMISSION TEST

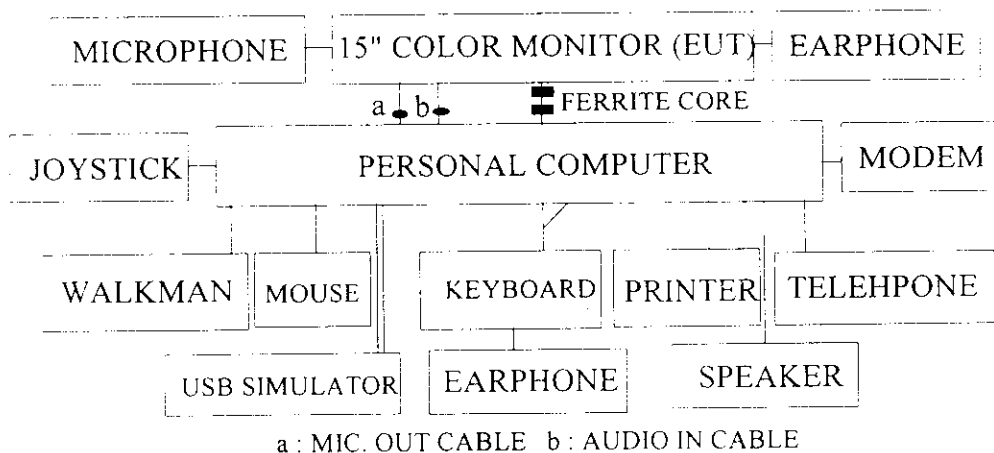
3.1. Test Equipment

The following test equipments were used during the radiated emission tests :

Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum Analyzer	Anritsu	R3361A	91730122	Jun. 07, 97'	1 Year
2.	Test Receiver	Rohde&Schwarz	ESVS10	845165/018	Feb. 19, 97'	1 Year
3.	Amplifier	HP	8447D	2727A05737	Dec. 20, 96'	1 Year
4.	Biconical Antenna	Chase	VBA6106A	1223	Nov. 97'	1 Year
5.	Log Periodic Antenna	Chase	UPA6109	1020	Nov. 97	1 Year

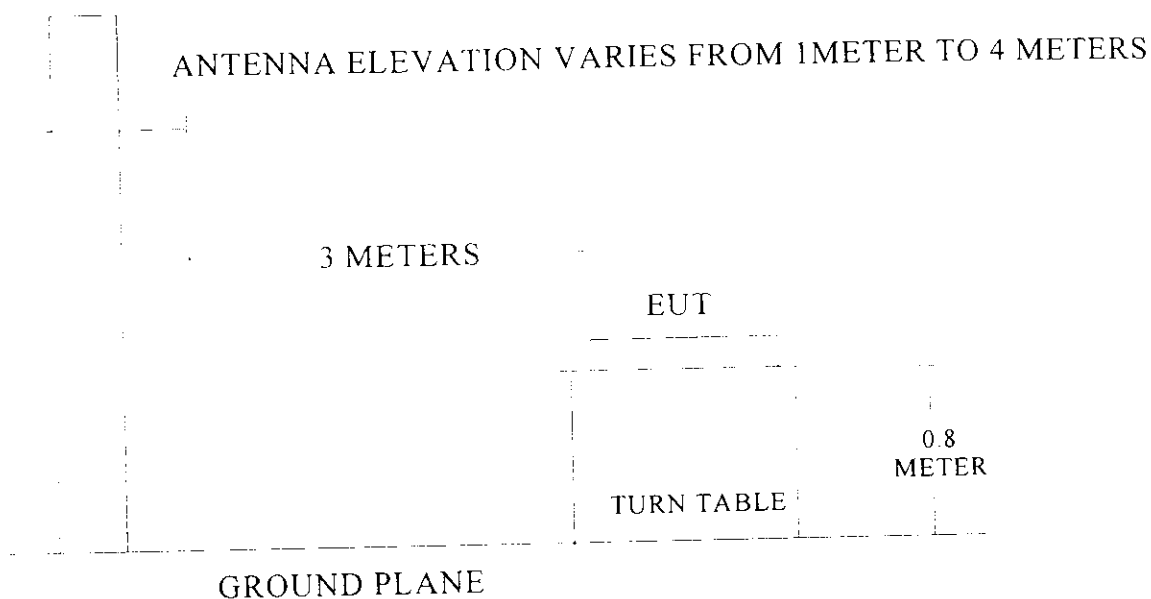
3.2. Block Diagram of Test Setup

3.2.1. Block Diagram of connection between EUT and simulators



3.2.2. Open Field Test Site Setup Diagram

ANTENNA TOWER



3.3. Radiation Limit (CLASS B)

FREQUENCY MHz	DISTANCE Meters	FIELD STRENGTHS LIMITS	
		uV/M	dBuV/M
30 ~ 88	3	100	40.0
88 ~ 216	3	150	43.5
216 ~ 960	3	200	46.0
960 ~ 1000	3	500	54.0

Remark : (1) Emission level (dBuV/M) = 20 log Emission level (uV/M)
 (2) The tighter limit applies at the edge between two frequency bands.
 (3) Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

3.4. EUT Configuration on Measurement

The configuration of EUT and its simulators were same as those used in conducted measurement. Please refer to 2.4.

3.5. Operating Condition of EUT

Same as conducted measurement which was listed in 2.5.

3.6. Test Procedure

The EUT and its simulators were placed on a turn table which was 0.8 meter above ground. The turn table rotated 360 degrees to determine the position of the maximum emission level. EUT was set 3 meters away from the receiving antenna which was mounted on a antenna tower. The antenna moved up and down between 1 meter and 4 meters to find out the maximum emission level. Broadband antenna (calibrated biconical and log periodical antenna) and dipole antenna were used as receiving antenna. Both horizontal and vertical polarization of the antenna were set on measurement. In order to find the maximum emission, all of the interface cables were manipulated according to ANSI C63.4-1992 on radiated measurement.

The bandwidth setting on the field strength meter (R&S TEST RECEIVER ESVS10) was 120KHz.

The frequency range from 30MHz to 1000MHz was checked.

The following test modes were done on radiated test and all the test results are listed in section 3.7

(1) 64KHz / 1280*1024, 60Hz

(2) 69KHz / 1024*768, 85Hz

3.7. Radiated Emission Noise Measurement Results

The frequency spectrum from 30 MHz to 1000 MHz was investigated. All the emissions not report below are too low against the FCC CLASS B limit..

Date of Test : Dec. 03, 1997 Temperature : 22 °C
 EUT : 15" Display Color Monitor Humidity : 68 %
 Test Mode : 64KHz/1280*1024, 60Hz

Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading		Emission Level	
			Horizontal dBuV	Horizontal dBuV/m	Limits dBuV/m	Margin dBuV/m
36.049	21.27	1.62	3.47	26.36	40.00	13.64
38.000	20.54	1.62	4.77	26.93	40.00	13.07
48.049	16.34	1.83	5.01	23.18	40.00	16.82
61.500	12.07	1.98	7.96	22.01	40.00	17.99
64.305	11.53	2.00	9.14	22.67	40.00	17.33
108.049	17.57	2.38	14.16	34.11	43.50	9.39
144.049	20.09	2.70	5.78	28.57	43.50	14.93
168.049	21.52	2.86	8.15	32.53	43.50	10.97
180.049	21.84	2.96	3.82	28.62	43.50	14.88
216.049	21.75	3.21	1.74	26.70	46.00	19.30
300.097	26.46	3.71	- 8.58	21.59	46.00	24.41
312.097	13.93	3.81	6.14	23.88	46.00	22.12
324.097	14.28	3.88	10.72	28.88	46.00	17.12
336.097	15.02	3.94	3.99	22.95	46.00	23.05
348.097	15.75	4.02	1.83	21.60	46.00	24.40
408.097	16.25	4.32	2.28	22.85	46.00	23.15
420.097	16.32	4.37	0.38	21.07	46.00	24.93

Remark : All readings are Quasi-Peak values.

Date of Test : Dec. 03, 1997 Temperature : 22 °C
 EUT : 15" Display Color Monitor Humidity : 68 %
 Test Mode : 64KHz/1280*1024, 60Hz

Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading		Emission Level		Margin dBuV/m
			Vertical dBuV		Vertical dBuV/m	Limits dBuV/m	
32.200	22.68	1.53	2.31		26.52	40.00	13.48
36.000	21.00	1.62	13.18		35.80	40.00	4.20
37.000	20.34	1.61	9.05		31.00	40.00	9.00
60.000	13.57	1.95	19.44		34.96	40.00	5.04
61.204	13.60	1.98	17.87		33.45	40.00	6.55
120.049	18.47	2.51	4.48		25.46	43.50	18.04
144.049	20.50	2.70	5.15		28.35	43.50	15.15
168.049	19.25	2.86	1.84		23.95	43.50	19.55
192.049	22.36	3.06	2.50		27.92	43.50	15.58
204.087	22.33	3.13	0.45		25.91	43.50	17.59
216.087	22.79	3.21	3.94		29.94	46.00	16.06
228.084	22.43	3.28	2.61		28.32	46.00	17.68
300.084	26.25	3.71	- 5.96		24.00	46.00	22.00
312.084	14.35	3.81	7.60		25.76	46.00	20.24
324.084	14.65	3.88	18.45		36.98	46.00	9.02
336.097	15.20	3.94	7.44		26.58	46.00	19.42
360.097	15.34	4.05	8.50		27.89	46.00	18.11
372.097	15.29	4.11	4.60		24.00	46.00	22.00
408.097	16.06	4.32	2.00		22.38	46.00	23.62

Remark : All readings are Quasi-Peak values.

Date of Test : Dec. 02, 1997 Temperature : 23 °C
 EUT : 15" Display Color Monitor Humidity : 67 %
 Test Mode : 69KHz/1024*768, 85Hz

Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading		Emission Level	
			Horizontal dBuV	Horizontal dBuV/m	Limits dBuV/m	Margin dBuV/m
66.210	11.62	2.00	19.35	32.97	40.00	7.03
75.683	12.89	2.12	16.22	31.23	40.00	8.77
75.713	12.89	2.12	17.75	32.76	40.00	7.24
85.126	15.20	2.19	11.68	29.07	40.00	10.93
94.599	16.60	2.26	15.66	34.52	43.50	8.98
132.426	20.16	2.57	9.96	32.69	43.50	10.81
151.372	20.12	2.74	10.43	33.29	43.50	10.21
* 160.845	21.17	2.80	13.52	37.49	43.50	6.01
208.089	20.80	3.14	9.50	33.44	43.50	10.06
255.454	24.00	3.47	9.66	37.13	46.00	8.87
264.927	24.11	3.53	10.53	38.17	46.00	7.83
312.137	13.93	3.81	11.37	29.11	46.00	16.89
331.043	14.54	3.87	12.46	30.87	46.00	15.13
368.998	16.09	4.10	9.95	30.14	46.00	15.86
501.371	17.83	4.81	11.03	33.67	46.00	12.33
539.252	18.72	5.02	10.23	33.97	46.00	12.03
595.917	19.28	5.29	10.70	35.27	46.00	10.73
614.854	19.49	5.36	10.44	35.29	46.00	10.71
690.562	20.58	5.77	12.21	38.56	46.00	7.44

- Remark :
1. All reading were Quasi-Peak values.
 2. The worst emission was detected at 160.845MHz with corrected signal level of 37.49dBuV/m (limit was 43.5dBuV/m) when the antenna was at horizontal polarization and was at 1.8m high and the turn table was at 145 °.
 3. 0 ° is the table front facing the antenna. Degree was calculated from 0 ° clockwise facing the antenna.

Date of Test : Dec. 02, 1997 Temperature : 23 °C

EUT : 15" Display Color Monitor Humidity : 67 %

Test Mode : 69KHz/1024*768, 85Hz

Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading Vertical dBuV	Emission Level Vertical dBuV/m	Limits dBuV/m	Margin dBuV/m
37.000	20.34	1.61	12.46	34.41	40.00	5.59
40.000	19.36	1.67	13.87	34.90	40.00	5.10
66.199	12.92	2.00	21.19	36.11	40.00	3.89
71.396	13.02	2.06	17.98	33.06	40.00	6.94
* 75.668	13.76	2.12	20.27	36.15	40.00	3.85
94.614	16.36	2.26	16.14	34.76	43.50	8.74
160.817	19.88	2.80	9.83	32.51	43.50	10.99
170.286	19.17	2.88	9.59	31.64	43.50	11.86
208.115	22.47	3.14	10.10	35.71	43.50	7.79
227.017	22.45	3.28	10.27	36.00	46.00	10.00
236.489	22.93	3.35	8.98	35.26	46.00	10.74
255.435	24.80	3.47	11.20	39.47	46.00	6.53
312.196	14.36	3.82	9.89	28.07	46.00	17.93
331.126	15.05	3.87	11.46	30.38	46.00	15.62
387.887	15.70	4.18	10.31	30.19	46.00	15.81
482.479	17.66	4.72	12.56	34.94	46.00	11.06
501.337	18.12	4.81	11.69	34.62	46.00	11.38
529.756	18.21	4.96	12.63	35.80	46.00	10.20
690.562	20.22	5.77	10.88	36.87	46.00	9.13

- Remark :
1. All reading were Quasi-Peak values.
 2. The worst emission was detected at 75.668MHz with corrected signal level of 36.15dBuV/m (limit was 40dBuV/m) when the antenna was at vertical polarization and was at 1m high and the turn table was at 135 ° .
 3. 0 ° is the table front facing the antenna. Degree was calculated from 0 ° clockwise facing the antenna.

Exhibit 6

**Statement of Data Measuremed
and
Test Data of Modified**

STATEMENT OF DATA MEASURED

1. General Information of EUT

The EUT, 15" supper VGA color monitor

Model No. : 15B2322Q
 FCC ID : A3KM078
 Brand : PHILIPS

The monitor automatically scans horizontal frequencies between 30KHz and 69KHz , and vertical frequencies between 50Hz 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 10 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	720 X 400	37.9KHz	85Hz	Non-interlaced
M05	960 X 529	41.8KHz	75Hz	Non-interlaced
M06	640 X 480	43.3KHz	85Hz	Non-interlaced
M07	800 X 600	46.9KHz	75Hz	Non-interlaced
M08	800 X 600	53.6KHz	85Hz	Non-interlaced
M09	1280 X 1024	64.0KHz	60Hz	Non-interlaced
M10	1024 X 768	68.7KHz	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@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 equipments used for line Conducted and Radiated emissions as following. All equipments 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	2928A04640	4/15/1998
RF Preselector	HP85685A	2620A00338	4/15/1998
QP Adapter	HP85650A	2811A03124	4/15/1998
EMI Receiver	R & S ESVS30	8419977/066	5/20/1998
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 “15B2322Q” was connected to:

Item	Model No.	Serial No.	FCC ID
1. Computer	HP D5250A	US72455810	FCC Logo
2. Keyboard	HP 5182-5521	E03633HLUS-C	CIGE03633
3. Mouse	HP M-S34	LCA54625637	DZL210472
4. Printer	HP 2225C	3123S97227	DSI6XU2225
5. Modem	USRobotics 268	0002680559278575	CJE-0318
6. Video 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 testings 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.	Model No.	Resolution	Frequencies
EMI98-052	15B2322Q	1024X 768	68.7KHz/85Hz
EMI98-052A	15B2322Q	1280 X 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" 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:

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

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

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 : A3KM078
REPORT NO.: EMI98-052
TEST DATE : JUL/13/1998
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 : 15B2322Q COLOR MONITOR S/N.: --
FCC ID. : A3KM078
2. COMPUTER: HP Pavilion 8140 D5250A S/N.: US72455810
FCC ID. : FCC LOGO
3. PRINTER : HP 2225C S/N.: 3145S02419
FCC ID. : DSI6XU2225
4. MODEM : USRobotics 268 S/N.: 0002680559278575
FCC ID. : CJE-0318
5. MOUSE : HP M-534 S/N.: LCA54625637
FCC ID. : DZL210472
6. KEYBOARD: HP 5182-5521 S/N.: E03633HLUS-C
FCC ID. : CIGE03633
7. VIDEO CARD : BULIT IN S/N.: --
FCC ID. : N/A

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)
37.83	29.88	32.88	40
47.29	31.68	33.08	40
56.75	33.27	32.17	40

FCC ID : A3KM078

-- #052 CONT. --

85.13	31.25	26.55	40
113.51	32.34	34.44	43.5
122.97	32.09	AMBIENT	43.5
132.43	28.02	AMBIENT	43.5
208.11	32.8	AMBIENT	43.5
217.57	36.04	33.14	46
227.03	34.34	32.44	46
236.49	39.4	39.2	46
245.95	37.14	35.14	46
274.33	37.26	35.76	46
283.25	36.86	36.06	46
302.71	36.312	33.812	46
312.17	33.348	31.048	46
321.63	33.088	31.488	46
331.09	31.044	30.744	46
340.55	30.884	31.084	46
350.01	31.3	32.8	46
368.93	31	32.4	46
378.39	32.908	33.108	46
387.85	32.868	32.168	46
397.31	33.892	33.192	46
406.77	33.184	32.084	46
416.23	32.892	31.792	46
425.66	35.324	33.024	46
435.12	34.84	32.84	46
444.58	33.88	32.38	46
454.04	33.596	32.896	46
463.5	36.636	33.536	46
472.96	36.452	33.952	46
482.42	36.124	33.324	46
520.26	36.86	35.16	46
529.72	33.82	33.62	46
539.18	35.256	33.756	46
548.64	34.196	34.096	46
558.1	33.992	34.792	46
567.56	36.032	34.332	46
586.48	35.032	36.232	46
595.94	34.652	36.752	46
605.4	34.56	36.76	46
614.86	35.28	36.58	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)
75.67	32.48	34.48	40
160.81	40.43	33.93	43.5
170.27	38.6	36.4	43.5
255.41	38.65	34.55	46

FCC ID : A3KM078

-- #052 CONT. --

264.87	42	38.3	46
283.79	39	AMBIENT	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

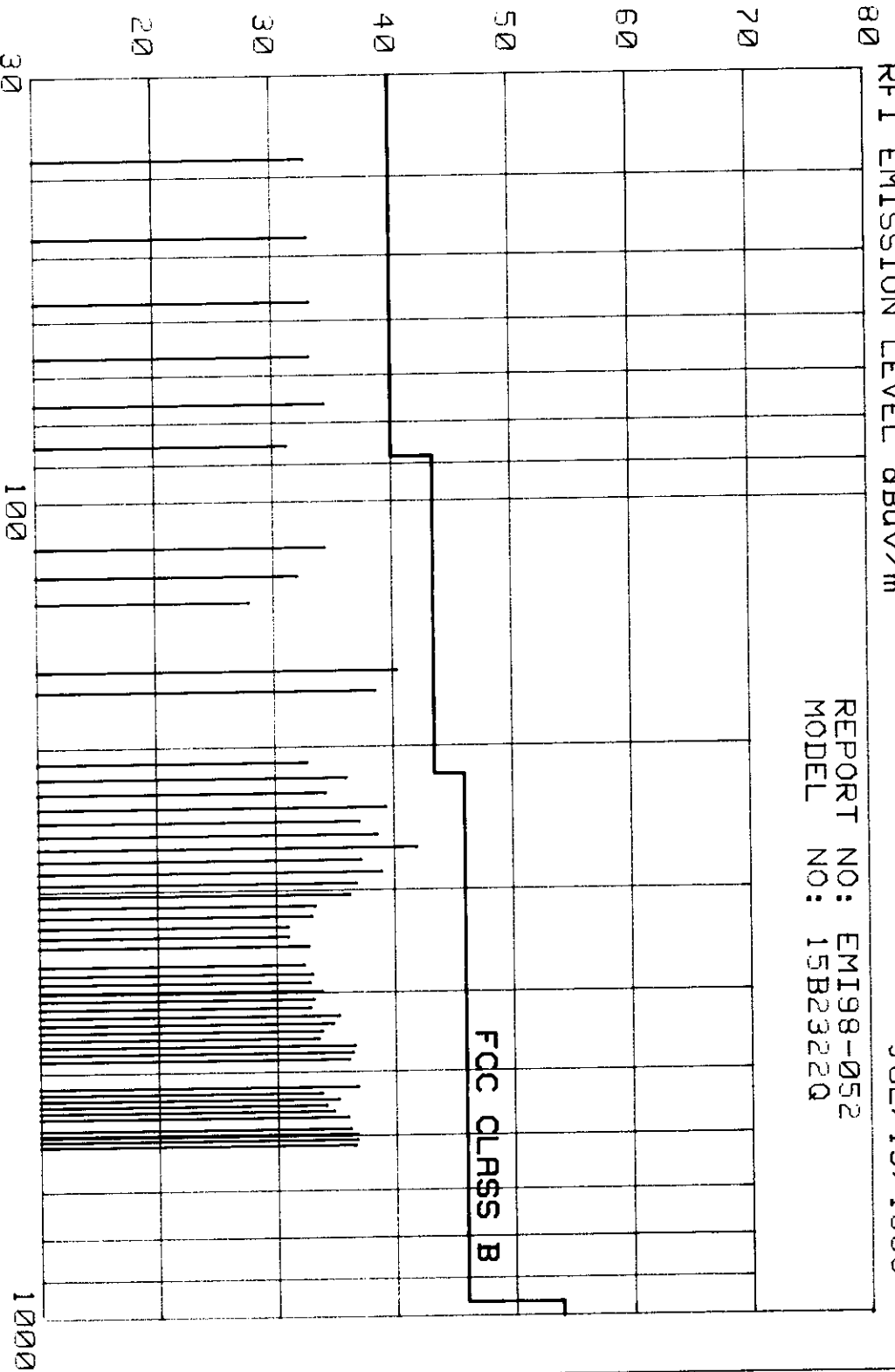
K.J.HSU, NVLAP SIGNATORY

C.C.Wu

RFI EMISSION LEVEL dBuV/m

JUL/13/1998

REPORT NO: EMI98-052
MODEL NO: 15B2322Q



FREQUENCY MHz

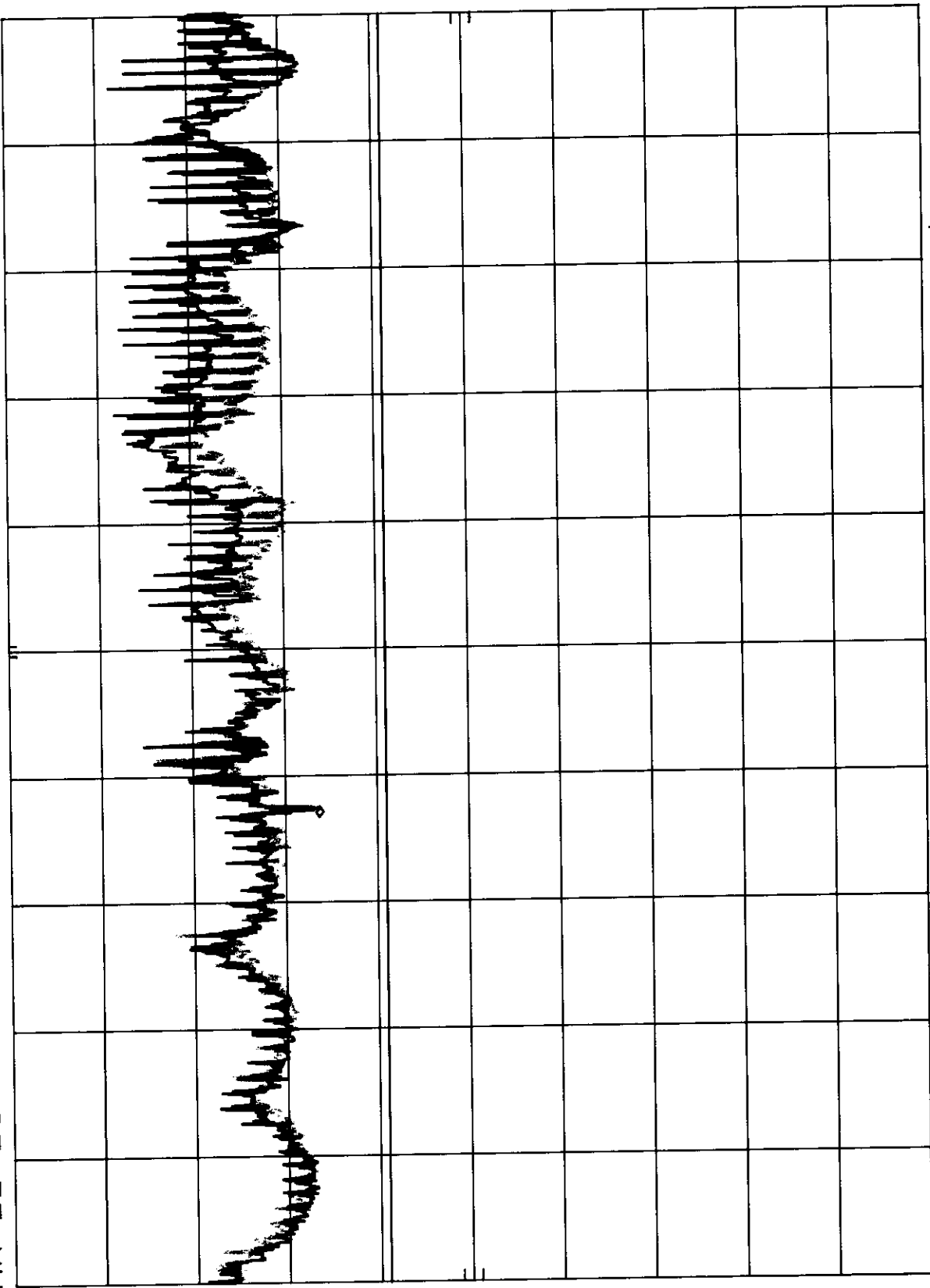
FCC CLASS B

hp

10 dB/

DL
48.0
dBμV

A3KM078 RUN 1024X768/85Hz 68.7KHz MODE AC110V MKR 19.01 MHz
REF 107.0 dBμV ATTEN 10 dB 40.70 dBμV



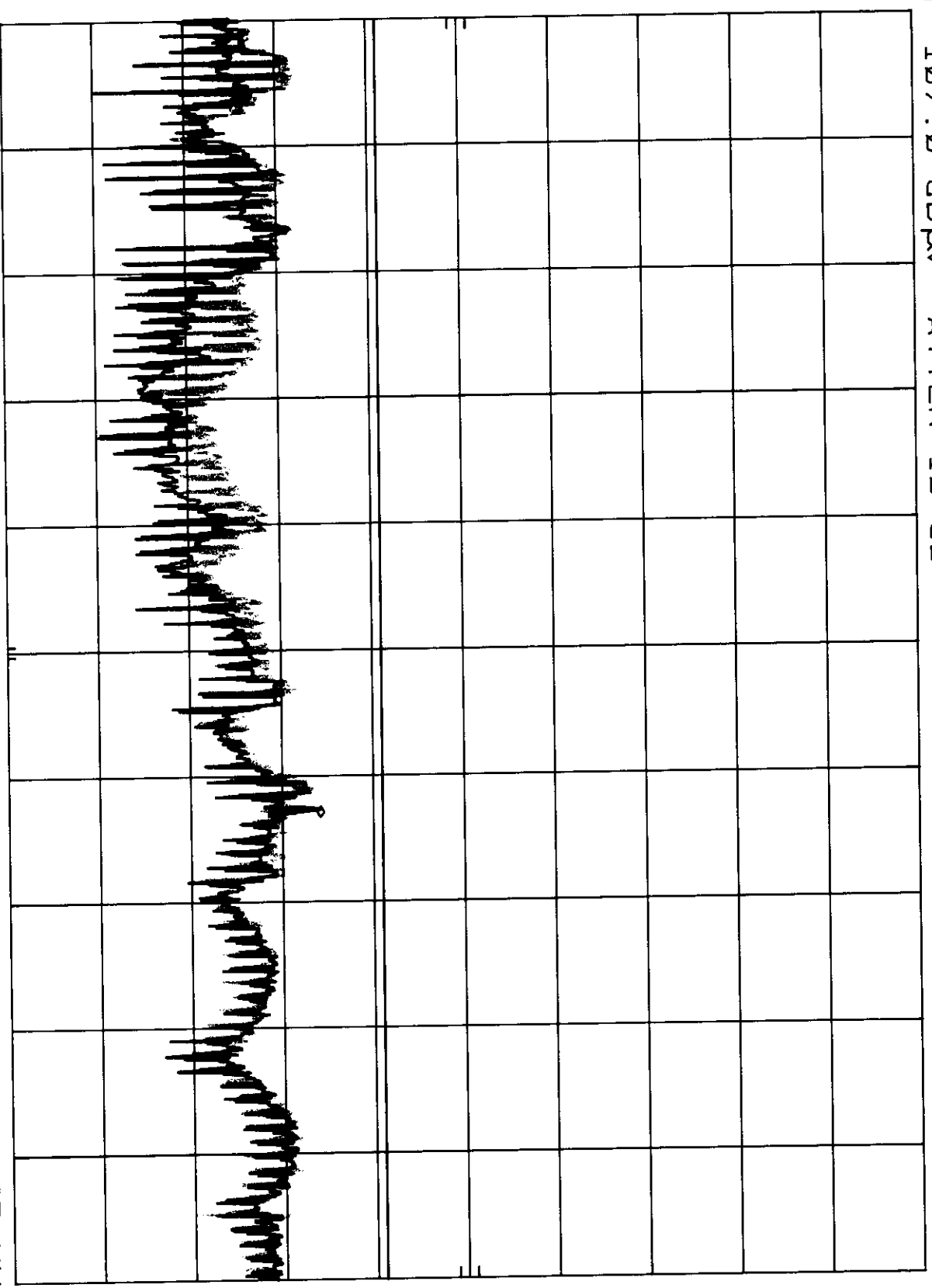
START 450 KHz RES BW 10 KHz VBW 10 KHz STOP 30.00 MHz
SWP 750 msec

A3KM078 RUN 1024X768/85Hz 68.7KHz MODE AC220V MKR 19.01 MHz
REF 107.0 dBμV ATTEN 10 dB 41.20 dBμV

hp

10 dB/

DL
48.0
dBμV



FCC TEST REPORT

FCC ID : A3KM078
REPORT NO.: EMI98-052A
TEST DATE : JUL/26/1998
TEST ENGI.: C.C.Wu

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

MANUFACTURER : PEI-CEC
TESTED SYSTEM:

1. EUT : 15B2322Q COLOR MONITOR S/N.: --
FCC ID. : A3KM078
2. COMPUTER: HP Pavilion 8140 D5250A S/N.: U572455810
FCC ID. : FCC LOGO
3. PRINTER : HP 2225C S/N.: 3145502419
FCC ID. : DSI6XU2225
4. MODEM : USRobotics 268 S/N.: 0002680559278575
FCC ID. : CJE-0318
5. MOUSE : HP M-934 S/N.: LCA54625637
FCC ID. : DZL210472
6. KEYBOARD: HP 5182-5521 S/N.: E03633HLUS-C
FCC ID. : CIGE03633
7. VIDEO CARD : BULIT IN S/N.: --
FCC ID. : N/A
8. CD_ROM : 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.
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)
43.22	29.22	31.92	40
64.82	29.35	31.85	40
118.87	30.04	28.74	43.5

FCC ID : A3KM078
 -- #052A CONT. --

140.46	33.8	AMBIENT	43.5
162.06	36.66	32.56	43.5
172.88	37.29	35.79	43.5
194.49	33.64	31.14	43.5
216.08	37.28	37.18	46
237.7	36	37.8	46
259.3	39.85	34.55	46
302.52	37.712	33.912	46
313.33	31.852	31.152	46
334.95	33.14	32.14	46
345.76	33.704	33.904	46
356.55	34.2	35.4	46
367.36	31.6	32.1	46
378.17	32.908	32.408	46
388.98	31.804	31.404	46
399.79	37.6	36.2	46
410.57	35.532	36.132	46
432.19	34.268	34.068	46
443	33.032	32.732	46
453.81	34.896	33.796	46
464.6	37.56	35.36	46
507.82	35.564	34.464	46
518.61	34.952	35.652	46
540.23	35.86	35.46	46
561.85	35.988	34.988	46
572.64	37.452	38.152	46
594.26	35.728	37.328	46
615.86	37.012	36.612	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)
32.4	29.12	36.92	40
54.03	33.54	34.44	40
75.63	35.58	35.38	40
86.44	35.6	36.2	40
183.68	36.26	36.86	43.5
248.5	40.06	36.36	46
270.12	42.4	34.4	46
291.72	38.64	36.44	46
324.14	40.096	33.996	46
626.67	37.68	37.98	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:

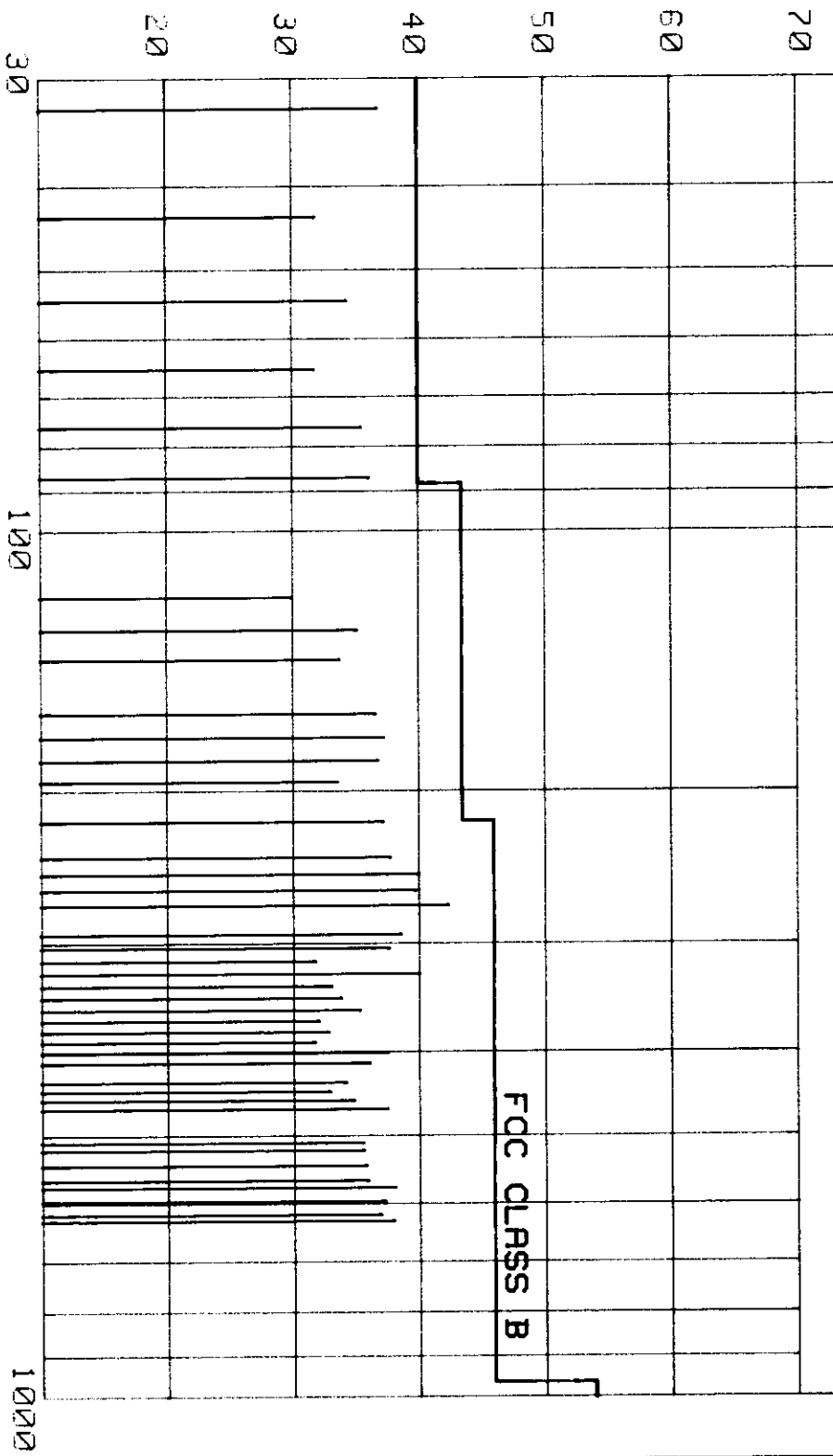
C.C. Wu

C.C.Wu

RFI EMISSION LEVEL dBuV/m

JUL/26/1998

REPORT NO: EMI98-052R
MODEL NO: 15B2322Q



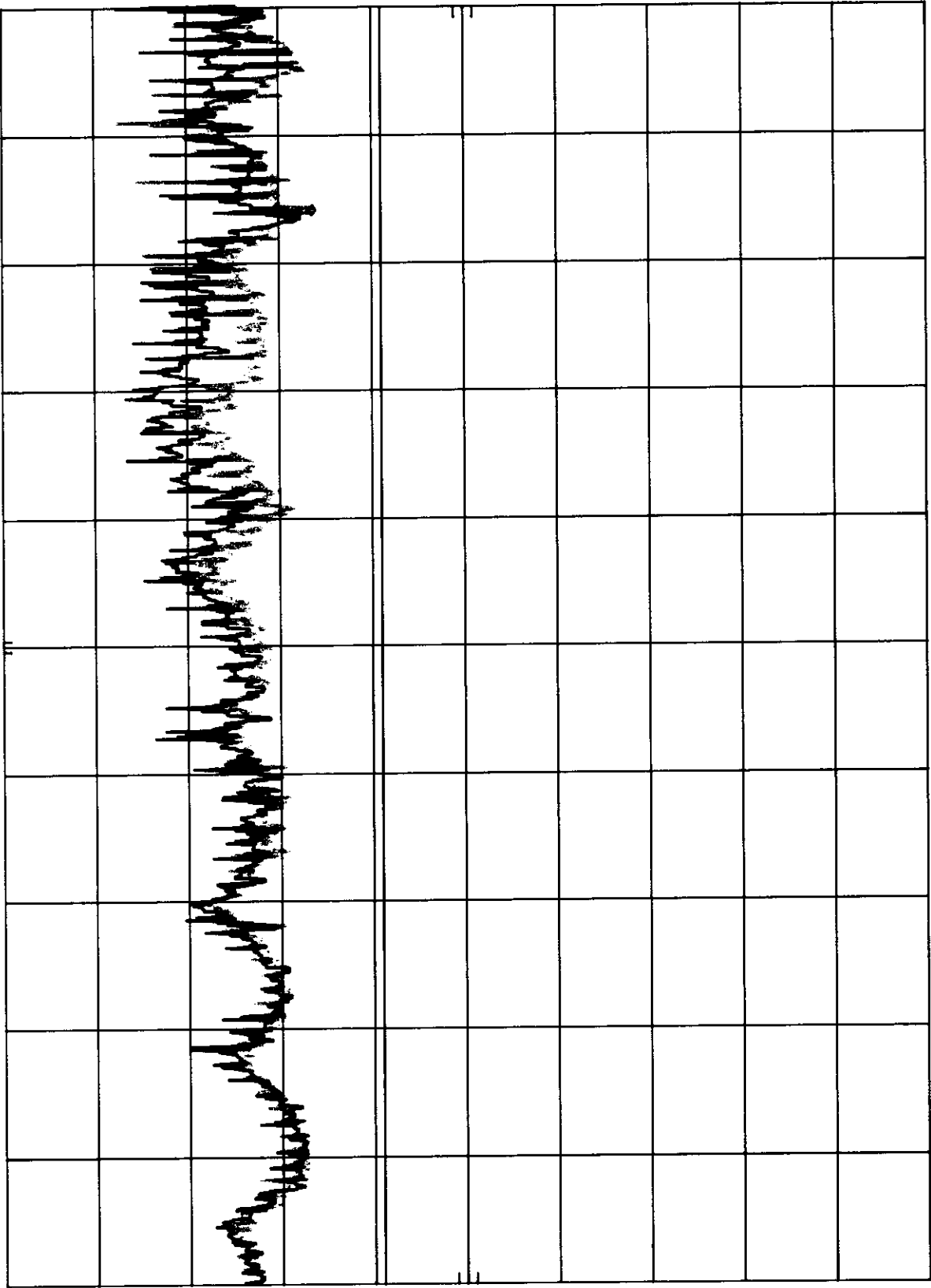
FREQUENCY MHz

h_p

A3KM078 RUN 1280X1024/60HZ 64KHZ MODE AC110V MKR 5.12 MHZ
REF 107.0 dBμV ATTEN 10 dB 40.60 dBμV

10 dB/

DL
48.0
dBμV

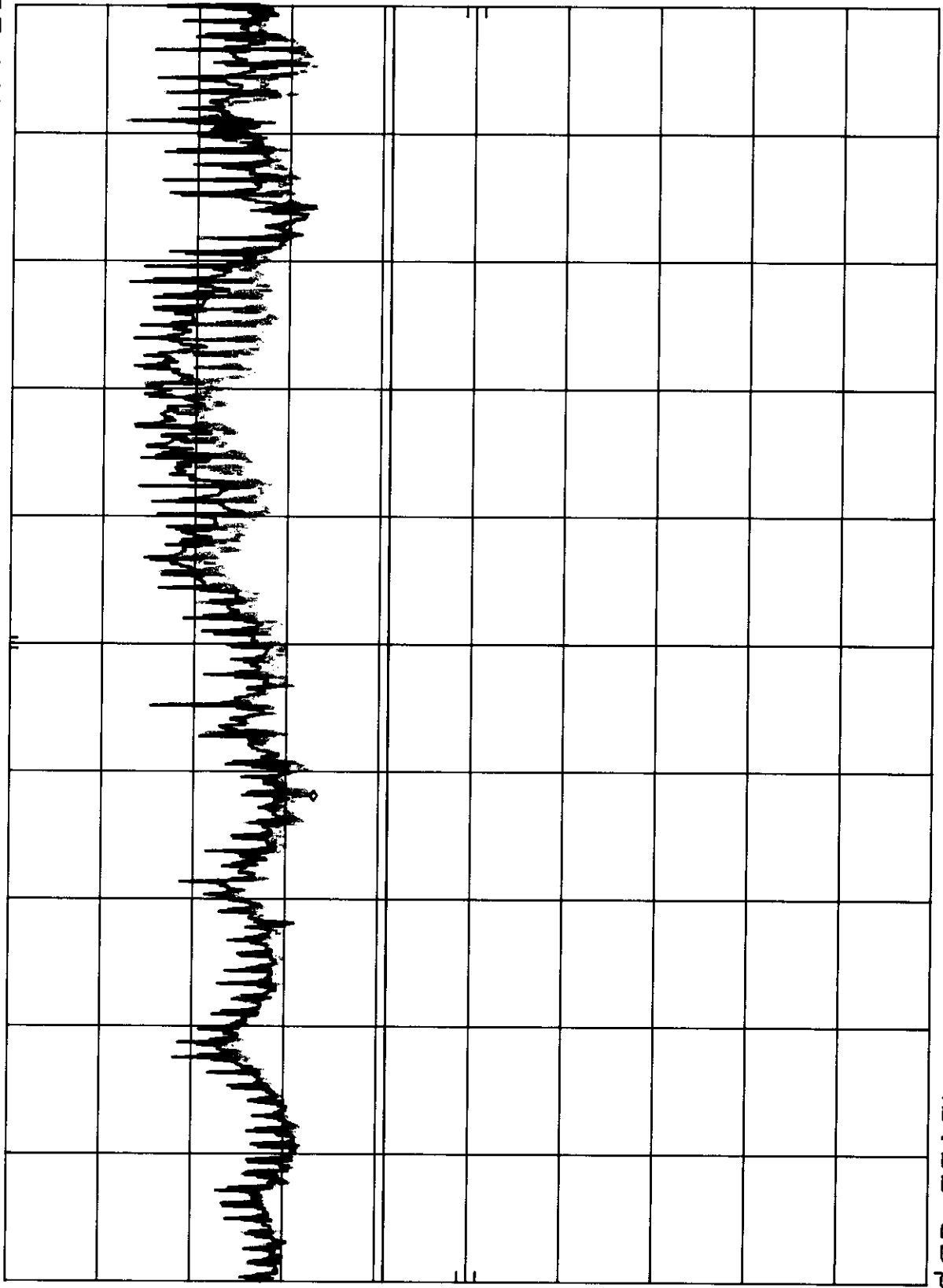


START 450 KHZ STOP 30.00 MHZ
RES BW 10 KHZ VBW 10 KHZ SWP 750 msec

A3KM078 RUN 1280X1024/60HZ 64KHZ MODE AC220V MKR 18.71 MHZ
h_p REF 107.0 dBμV ATTEN 10 dB 40.00 dBμV

10 dB/

DL
48.0
dBμV



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

Exhibit 7

Photographs