

*EXHIBIT 4*

*Test Report*

*Test Report*

*TTEMC-F98102*

APPLICATION FOR CERTIFICATION  
On Behalf of  
Top Victory Electronics (Taiwan) Co., Ltd.  
15" Color Monitor

Model No. : (1) 5Vlr (2) 5V (3) 5Elr (4) 5E

FCC ID.: ARSCM569N

Prepared for : Top Victory Electronics (Taiwan) Co., Ltd.  
6F, 168, Lien Chen Road, Chung-Ho,  
Taipei Hsien, Taiwan, R.O.C.

Prepared By : Taiwan Tokin EMC Eng. Corp.  
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File Number : ATM-G98247  
Report Number : TTEMC-F98102  
Date of Test : May 29 / Jun. 08, 1998  
Date of Report : Jun. 15, 1998

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**TEST REPORT CERTIFICATION**

Applicant : Top Victory Electronics (Taiwan) Co., Ltd.  
 Manufacturer : Top Victory Electronics (Fujian) Co., Ltd.  
 FCC ID : ARSCM569N  
 EUT Description : 15" Color Monitor  
 (A) MODEL NO. : (1) 5V1r (2) 5V (3) 5E1r (4) 5E  
 (B) SERIAL NO. : N/A  
 (C) POWER SUPPLY : 120V AC/60Hz

Measurement Procedure Used:

FCC RULES AND REGULATIONS PART 15 SUBPART B CLASS B OCTOBER 1997  
 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 showed 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 6dB 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 : May 29 ~ Jun. 08, 1998

Prepared by : Monica Chang  
 (MONICA CHANG)

Test Engineer : Allen Wang  
 (ALLEN WANG)

Approve & Authorized Signer : Jackie Deng 4/6/98  
 (JACKIE DENG)

# 1. GENERAL INFORMATION

## 1.1. Description of Device (EUT)

Description	:	15" Color Monitor
Model Number	:	(1) 5Vlr (2) 5V (3) 5Elr (4) 5E
		The difference between "V " and "E" is the H-Frequency, "V" is from 30KHz to 69KHz, "E" is from 30KHz to 54KHz. The "lr" is with "MPRII" approval. The (1) is representative selected in the test and included in this report.
FCC ID	:	ARSCM569N
Applicant	:	Top Victory Electronics (Taiwan) Co., Ltd.  6F, 168, Lien Chen Road, Chung-Ho, Taipei Hsien, Taiwan, R.O.C.
Manufacturer	:	Top Victory Electronics (Fujian ) Co., Ltd.  Yuan Hong Road, Shang-Zhen, Hong-Lu, Fuqing City, Fujian, China.
CRT	:	Orion, M/N M36KXU110XX51
Data Cable	:	Shielded, Undetachable, 1.2m Bonded a ferrite core
Power Cord	:	Non-Shielded, Detachable, 1.8m
Date of Test	:	May 29 / Jun. 08, 1998

## 1.2. Details of Support Equipments

### 1.2.1. PERSONAL COMPUTER

Model Number	:	810WW
Serial Number	:	TA434D0558
FCC ID	:	AO9-81XWW
Manufacturer	:	Digital
Switching Power Supply	:	Astec, M/N SA201-3450 S/N 1692007419S
Floppy Driver 3.5"	:	Mitsubishi, M/N MF355F-258MG, S/N M125083
Floppy Driver 5.25"	:	Teach, M/N FD-55GFR, S/N CR46821
Hard Disk Driver	:	Maxtor, M/N 7850AV, S/N P60P5SRS
VGA Card	:	Dataexpert Corp. M/N DSV3365E, S/N E601604162 FCC ID LUT-DSV3365
Disk Ctrl Card	:	Within Mother Board
Serial/Parallel Card	:	Within Mother Board
Power Cord	:	Non-Shielded, Detachable, 1.8m

### 1.2.2. KEYBOARD

Model Number	:	BTC-5139
Serial Number	:	73B304245
FCC ID	:	E5XKBM111
Manufacturer	:	Behavior Tech Computer Corp.
Data Cable	:	Shielded, Undetachable, 1.2m

### 1.2.3. PRINTER

Model Number	:	2225C
Serial Number	:	2526S40437
FCC ID	:	BS46XU2225C
Manufacturer	:	Hewlett Packard
Power Cord	:	Non-Shielded, Undetachable, 1.8m
Data Cable	:	Shielded, Detachable, 1.2m

### 1.2.4. MODEM #1

Model Number	:	1414
Serial Number	:	970024519
FCC ID	:	IFAXDM1414
Manufacturer	:	Accex
Data Cable	:	Shielded, Detachable, 1.2m
Power Adapter	:	Amigo, Model AM-91000A Non-Shielded, Undetachable, 1.8m

## 1.2.5. MODEM #2

Model Number	:	1414
Serial Number	:	970024520
FCC ID	:	IFAXDM1414
Manufacturer	:	Aceex
Data Cable	:	Shielded, Detachable, 1.2m
Power Adapter	:	Amigo, Model AM-91000A Non-Shielded, Undetachable, 1.8m

## 1.2.6. MOUSE

Model Number	:	PC7XS-AA
Serial Number	:	LT41804589
FCC ID	:	DZL210513
Manufacturer	:	Digital
Data Cable	:	Non-Shielded, Undetachable, 1.8m

## 1.3. Description of Test Facility

Site Description (No. 2 Open Site)	:	Jul. 15, 1996 Re-file on Federal Communication Commission FCC Engineering Laboratory 7435 Oakland Mills Road Columbia, MD 21046, U.S.A.
Anechoic Chamber Description	:	Aug. 22, 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

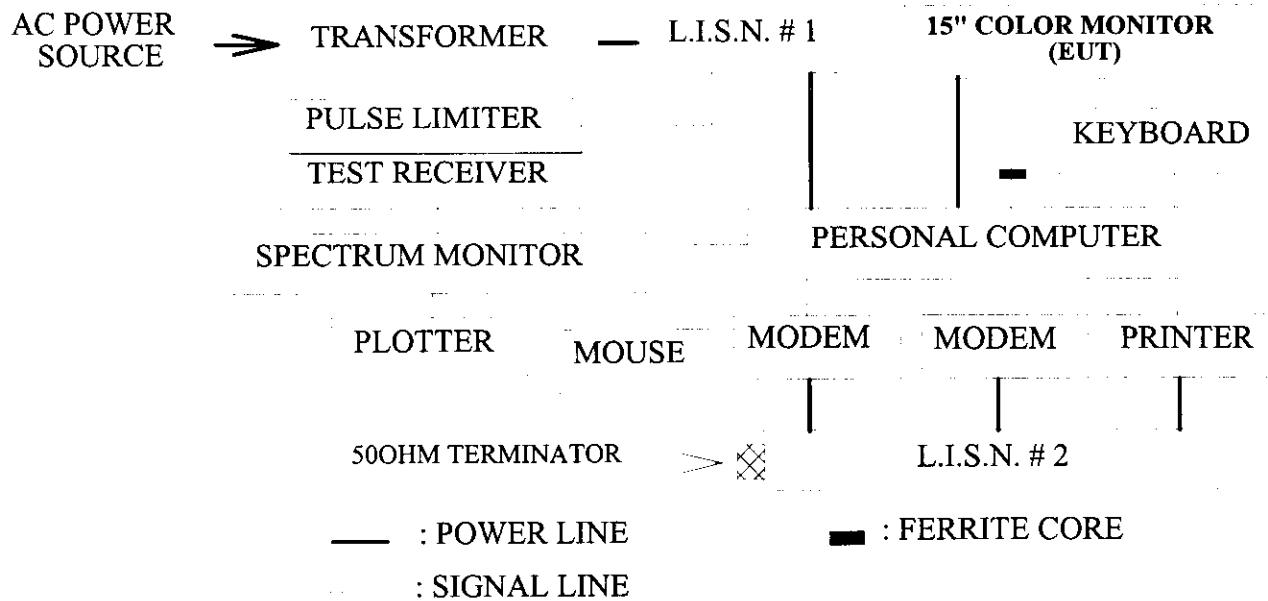
### 2.1. Test Equipment

The following test equipments are 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	Aug. 01, 97'	1 Year
2.	L.I.S.N. # 1	Kyoritsu	KNW-407	8-855-9	Apr. 14, 98'	1 Year
3.	L.I.S.N. # 2	Kyoritsu	KNW-407	8-881-13	Apr. 14, 98'	1 Year

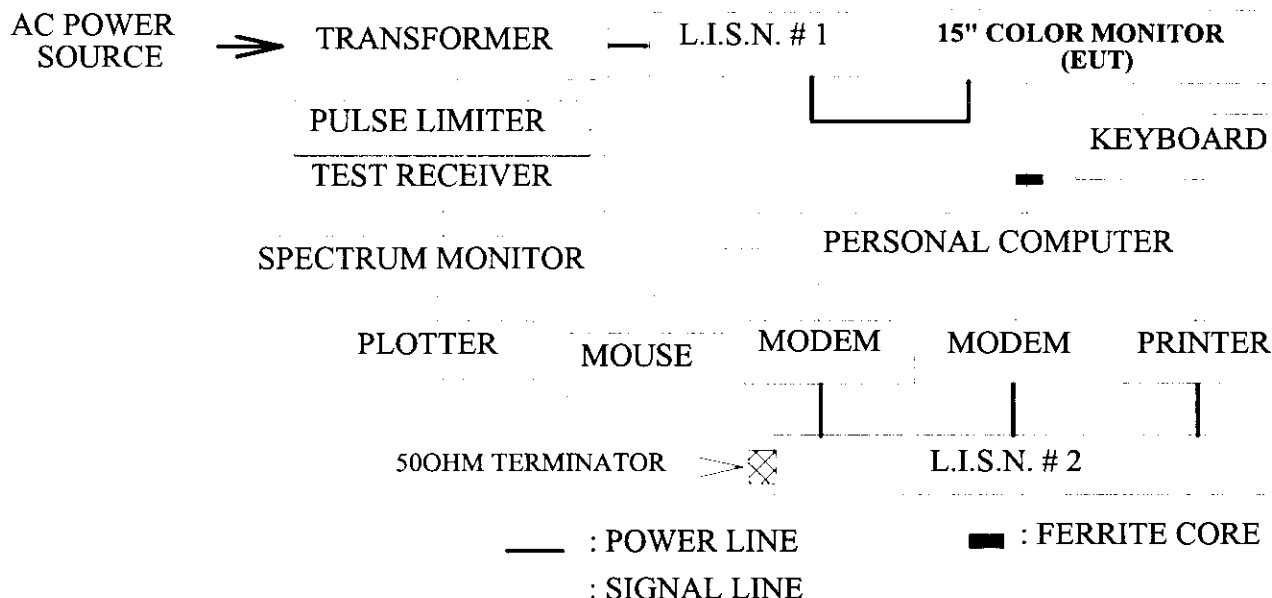
### 2.2. Block Diagram of Test Setup

2.2.1. EUT Power Connects to PC AC Outlet and PC Power Connects to L.I.S.N.





2.2.2. EUT Power Connects to L.I.S.N. Directly (Worst Case)



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" Color Monitor (EUT)

- Model Number : (1) 5Vlr (2) 5V (3) 5Elr (4) 5E
- Serial Number : N/A
- FCC ID : ARSCM569N
- Manufacturer : Top Victory Electronics (Fujian) Co., Ltd.
- CRT : Orion, M/N M36KXU110XX51
- Data Cable : Shielded, Undetachable, 1.2m  
Bonded a ferrite core
- Power Cord : Non-Shielded, Detachable, 1.8m

2.4.2. Support Simulators : 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. Turned on the power of all equipments.
- 2.5.3. Personal Computer read data from disk.
- 2.5.4. Personal Computer sent "H" character through VGA card to monitor (EUT) and the screen displayed and filled with "H" pattern.
- 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.

Seven kinds of horizontal working frequency and display pattern were investigated during prescanning and report the worst mode (EUT's power cord connected to L.I.S.N. 60KHz/1024x768) in section 2.7., the others test data are attached within Appendix I. The detail of test modes are as follows :

- (1) 31.47KHz (640 x 480, 60Hz)
- (2) 37.5KHz (640 x 480, 75Hz)
- (3) 43.3KHz (640 x 480, 85Hz)
- (4) 46.87KHz (800 x 600, 75Hz)
- (5) 53.67KHz (800 x 600, 85Hz)
- (6) 60KHz(1024x768, 75Hz)
- (7) 68.68KHz(1024x768, 85Hz)

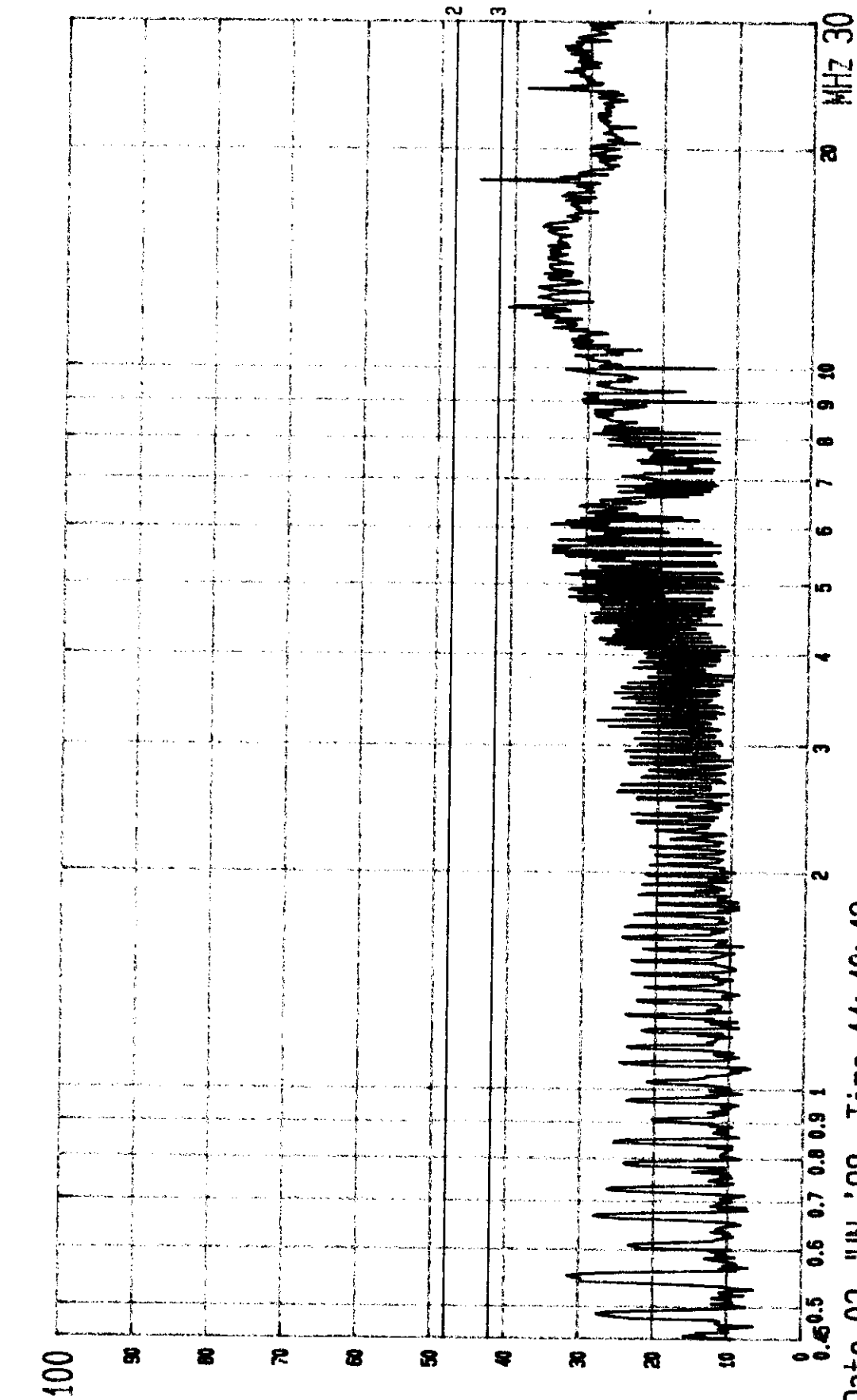
## 2.7. Line Conducted RF Voltage Measurement Results

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

Date of Test : Jun. 02, 1998 Temperature : 27 °C  
 EUT & M/N : 15" Color Monitor, M/N 5Vlr Humidity : 54 %  
 Working Frequency : 60KHz ; 75Hz Resolution : 1024 x 768

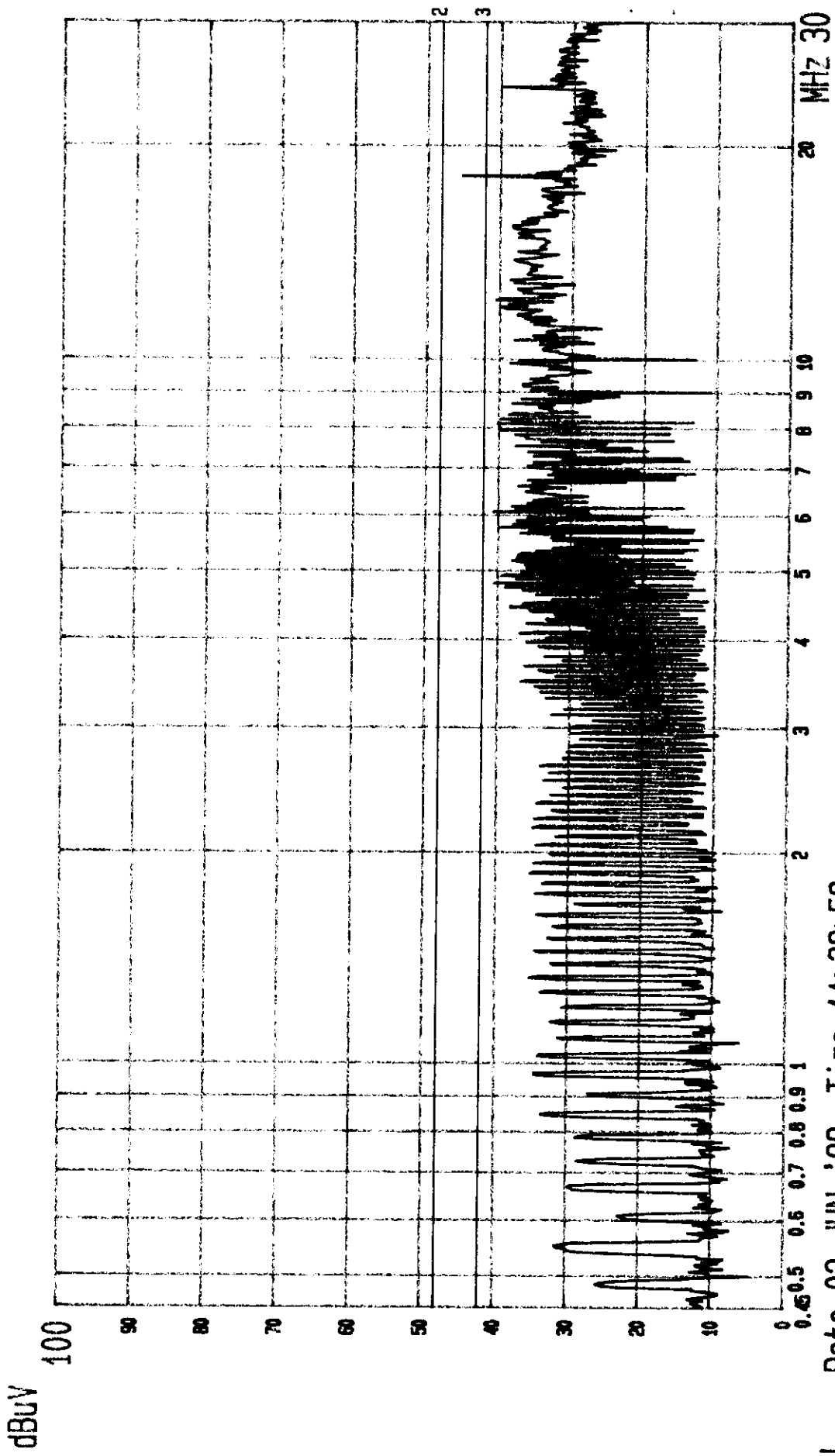
Frequency (MHz)	Factor dB	Measurement (dBuV)		Reading (dBuV)		Limits (dBuV)	Margin (dBuV)	
		VA	VB	VA	VB		VA	VB
0.5474	0.2	30.1	*	30.3	*	48.0	17.7	*
0.9600	0.2	*	30.7	*	30.9	48.0	*	17.1
3.6062	0.2	*	37.2	*	37.4	48.0	*	10.6
5.5141	0.3	35.2	*	35.5	*	48.0	12.5	*
8.1604	0.3	*	40.2	*	40.5	48.0	*	7.5
9.0425	0.3	32.7	*	33.0	*	48.0	15	*
11.5798	0.6	*	39.7	*	40.3	48.0	*	7.7
12.1329	0.6	38.1	*	38.7	*	48.0	9.3	*
18.1313	0.8	39.2	*	40.0	*	48.0	8	*
<b>18.1893</b>	<b>0.8</b>	*	<b>44.4</b>	*	<b>45.2</b>	<b>48.0</b>	*	<b>2.8</b>
24.2054	1.1	38.5	*	39.6	*	48.0	8.4	*
24.2533	1.1	*	38.6	*	39.7	48.0	*	8.3

- Remark :
1. All reading are Quasi-Peak values.
  2. Factor = Insertion Loss + Cable Loss
  3. The worst emission was detected at 18.1893MHz with corrected signal level of 45.2dBuV (limit was 48dBuV) when the VB side of the EUT was connected to L.I.S.N.



Date 02 JUN '98 Time 11:40:42  
 TOP VICTORY EUT: MONITOR  
 LINE: VA. MEMO: 60KHZ (1024X768; 75HZ)

M/N: 5V1P  
 (PEAK VALUE) TAIWAN TOKIN EMC. ENG. CORP.  
 PAGE: 012



L--- Date 02..JUN.'98 Time 11:38:58  
 TOP VICTORY EUT: MONITOR  
 LINE: VB. MEMO: 60KHZ (1024X768; 75HZ)

M/N: 5V1P  
 (PEAK VALUE) TAIWAN TOKIN EMC.ENG.CORP.

### 3. RADIATED EMISSION TEST

#### 3.1. Test Equipment

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

##### 3.1.1. For Anechoic Chamber

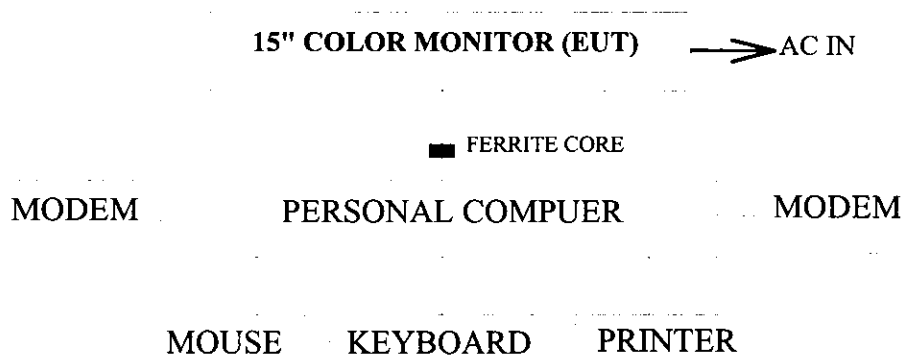
Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum Analyzer	HP	8593A	3212A01727	Aug. 02, 97'	1 Year
2.	Pre-Amplifier	HP	8447D	2944A06305	May 13, 98'	1 Year
3.	Broadband Antenna	Schwarzbeck	BBA 9106	A3L	Dec. 24, 97'	1 Year
4.	Broadband Antenna	Schwarzbeck	UHALP 9107	A3H	Dec. 24, 97'	1 Year

##### 3.1.2. For No. 2 Open Field Site

Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Test Receiver	Rohde & Schwarz	ESVP	893202/001	Aug. 04, 97'	1 Year
2.	Broadband Antenna	Chase	VBA6106A	1240	Jan. 14, 98'	1 Year
3.	Broadband Antenna	Schwarzbeck	UHALP 9108-A	0139	Jan. 14, 98'	1 Year

#### 3.2. Block Diagram of Test Setup

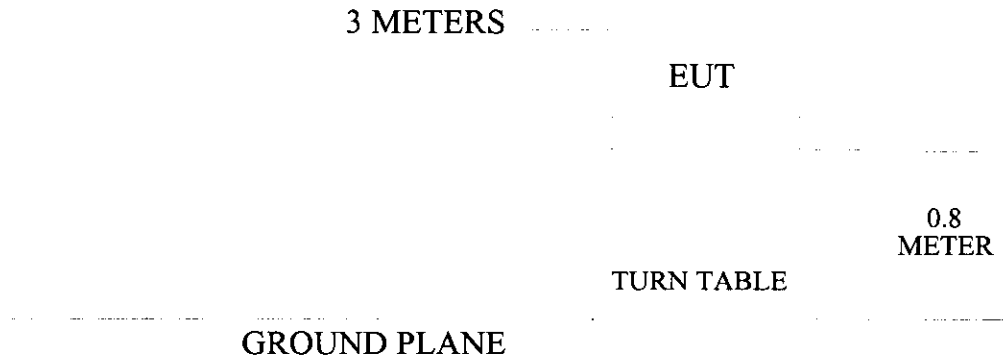
##### 3.2.1. Block Diagram of connection between EUT and simulators



3.2.2. Open Field Test Site & Anechoic Chamber Setup Diagram

ANTENNA TOWER

ANTENNA ELEVATION VARIES FROM 1METER TO 4 METERS



3.3. Radiation Limit (CLASS B)

FREQUENCY	DISTANCE	FIELD STRENGTHS LIMITS	
		uV/M	dBuV/M
MHz	Meters		
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. except the test set up replaced by section 3.2.

### 3.6. Test Procedure

The EUT and its simulators were placed on a turn table which is 0.8 meter above ground. The turn table rotated 360 degrees to determine the position of the maximum emission level. EUT is 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 ESVP) was 120KHz.

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

The following operating conditions were measured within Anechoic Chamber and all the scanning waveform were attached within Appendix II, which include :

- (1) 31.47KHz (640 x 480, 60Hz)
- (2) 37.5KHz (640 x 480, 75Hz)
- (3) 43.3KHz (640 x 480, 85Hz)
- (4) 46.87KHz (800 x 600, 75Hz)
- (5) 53.67KHz (800 x 600, 85Hz)
- (6) 60KHz(1024x768, 75Hz)
- (7) 68.68KHz(1024x768, 85Hz)

Finally, remeasured the worst mode (43.3KHz/640 x 480, 85Hz) operating situation on No. 2 Open Field Test Site and all the test results were listed in section 3.7.



### 3.7. Radiated Emission Noise Measurement Results

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

Date of Test : Jun. 08, 1998 Temperature : 27 °C  
 EUT & M/N : 15" Color Monitor, M/N 5Vlr Humidity : 84 %  
 Working Frequency : 43.3KHz ; 85Hz Resolution : 640 x 480

Frequency MHz	Antenna Cable		Meter Reading	Emission Level		Margin dBuV/m
	Factor dB/m	Loss dB	Horizontal dBuV	Horizontal dBuV/m	Limits dBuV/m	
47.291	17.66	1.94	1.70	21.30	40.00	18.70
51.645	15.58	1.98	0.60	18.16	40.00	21.84
55.632	13.77	2.17	4.20	20.14	40.00	19.86
63.978	11.42	2.24	7.00	20.66	40.00	19.34
72.318	12.10	2.35	5.00	19.45	40.00	20.55
* 80.670	<b>14.05</b>	<b>2.46</b>	<b>7.30</b>	<b>23.81</b>	<b>40.00</b>	<b>16.19</b>
130.734	20.36	3.22	-2.50	21.08	43.50	22.42
159.943	21.25	3.64	-2.00	22.89	43.50	20.61
210.356	22.20	4.13	-1.60	24.73	43.50	18.77
226.696	22.41	4.37	-2.50	24.28	46.00	21.72
268.422	24.70	4.85	-3.00	26.55	46.00	19.45
314.315	13.48	5.28	-2.40	16.36	46.00	29.64
326.824	13.84	5.45	-3.80	15.49	46.00	30.51
376.887	16.20	5.85	-3.50	18.55	46.00	27.45
414.446	16.97	6.20	-4.00	19.17	46.00	26.83
435.308	17.18	6.34	-3.70	19.82	46.00	26.18

- Remark :
1. All readings are Quasi-Peak values.
  2. The worst emission was detected at 80.670MHz with corrected signal level of 23.81dBuV/m (limit was 40dBuV/m) when the antenna was at horizontal polarization and was at 4m high and the turn table was at 275°.
  3. 0° was the table front facing the antenna, Degree is calculated from 0° clockwise facing the antenna.

Date of Test : Jun. 08, 1998 Temperature : 27 °C  
 EUT & M/N : 15" Color Monitor, M/N 5Vlr Humidity : 84 %  
 Working Frequency : 43.3KHz ; 85Hz Resolution : 640 x 480

Frequency MHz	Antenna Cable		Meter Reading		Limits dBuV/m	Margin dBuV/m
	Factor dB/m	Loss dB	Vertical dBuV	Vertical dBuV/m		
34.743	21.88	1.60	2.60	26.08	40.00	13.92
47.272	16.09	1.94	8.20	26.23	40.00	13.77
51.436	15.28	1.98	7.10	24.36	40.00	15.64
55.610	14.21	2.17	12.10	28.48	40.00	11.52
56.885	13.83	2.11	10.30	26.24	40.00	13.76
60.799	13.32	2.14	8.90	24.36	40.00	15.64
63.962	12.41	2.24	8.70	23.35	40.00	16.65
72.321	13.53	2.35	10.20	26.08	40.00	13.92
76.880	14.90	2.43	11.40	28.73	40.00	11.27
* 80.667	<b>15.52</b>	<b>2.46</b>	<b>10.90</b>	<b>28.88</b>	<b>40.00</b>	<b>11.12</b>
149.997	20.21	3.47	4.20	27.88	43.50	15.62
157.991	21.78	3.52	0.60	25.90	43.50	17.60
172.453	21.71	3.76	-3.50	21.97	43.50	21.53
189.143	20.84	3.92	-3.50	21.26	43.50	22.24
209.998	22.36	4.13	2.60	29.09	43.50	14.41
247.557	23.04	4.60	-3.10	24.54	46.00	21.46
314.346	14.12	5.28	-2.60	16.80	46.00	29.20
339.346	14.58	5.48	-3.60	16.46	46.00	29.54
376.897	15.21	5.85	-3.10	17.96	46.00	28.04
426.960	16.08	6.36	-0.60	21.84	46.00	24.16
443.654	16.62	6.41	-3.60	19.43	46.00	26.57

- Remark :
1. All readings are Quasi-Peak values.
  2. The worst emission was detected at 80.667MHz with corrected signal level of 28.88dBuV/m (limit was 40.0dBuV/m) when the antenna was at vertical polarization and was at 1m high and the turn table was at 160°.
  3. 0° was the table front facing the antenna. Degree is calculated from 0° clockwise facing the antenna.

## 4. MODIFICATIONS TO EUT

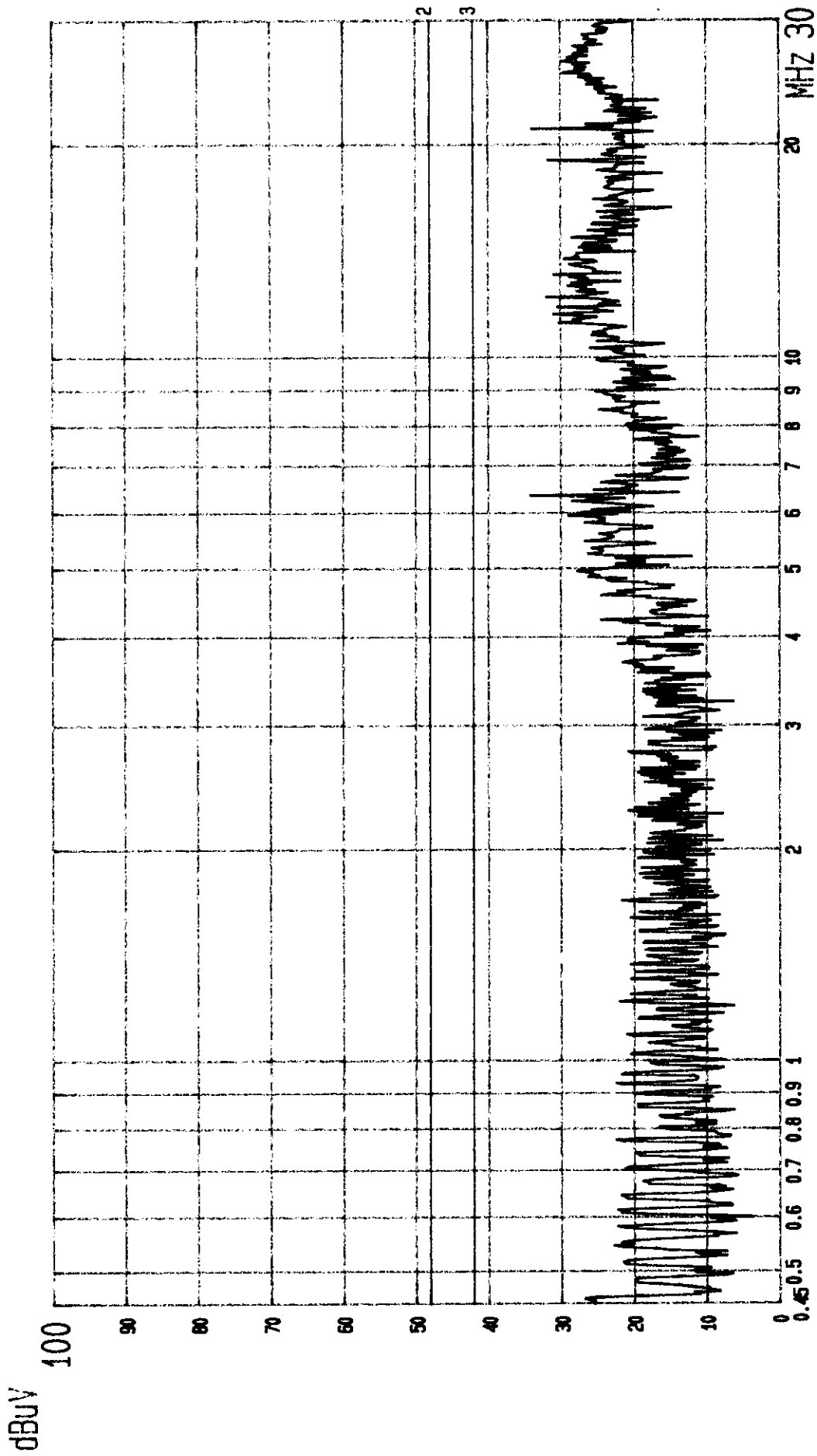
1. Changed ferrite bead FB905 into ferrite bead with three turns.
2. Added a ferrite bead between D922 and Pin 16 of T901.
3. Added a 100000pF bypass capacitor on the Pin 16 of T901.
4. Added a ground wire between CRT ground and video board's cover.
5. Added a ground wire between FBT's ground and video board's cover.
6. Added a ground wire between safety ground and video board's cover.
7. Connected a ground wire from C822's ground to C835's ground.
8. Connected a ground wire from C826's ground to C834's ground.
9. Connected a ground wire from Q814's ground to GND1.

## **5. DEVIATION TO TEST SPECIFICATIONS**

**【 NONE 】**

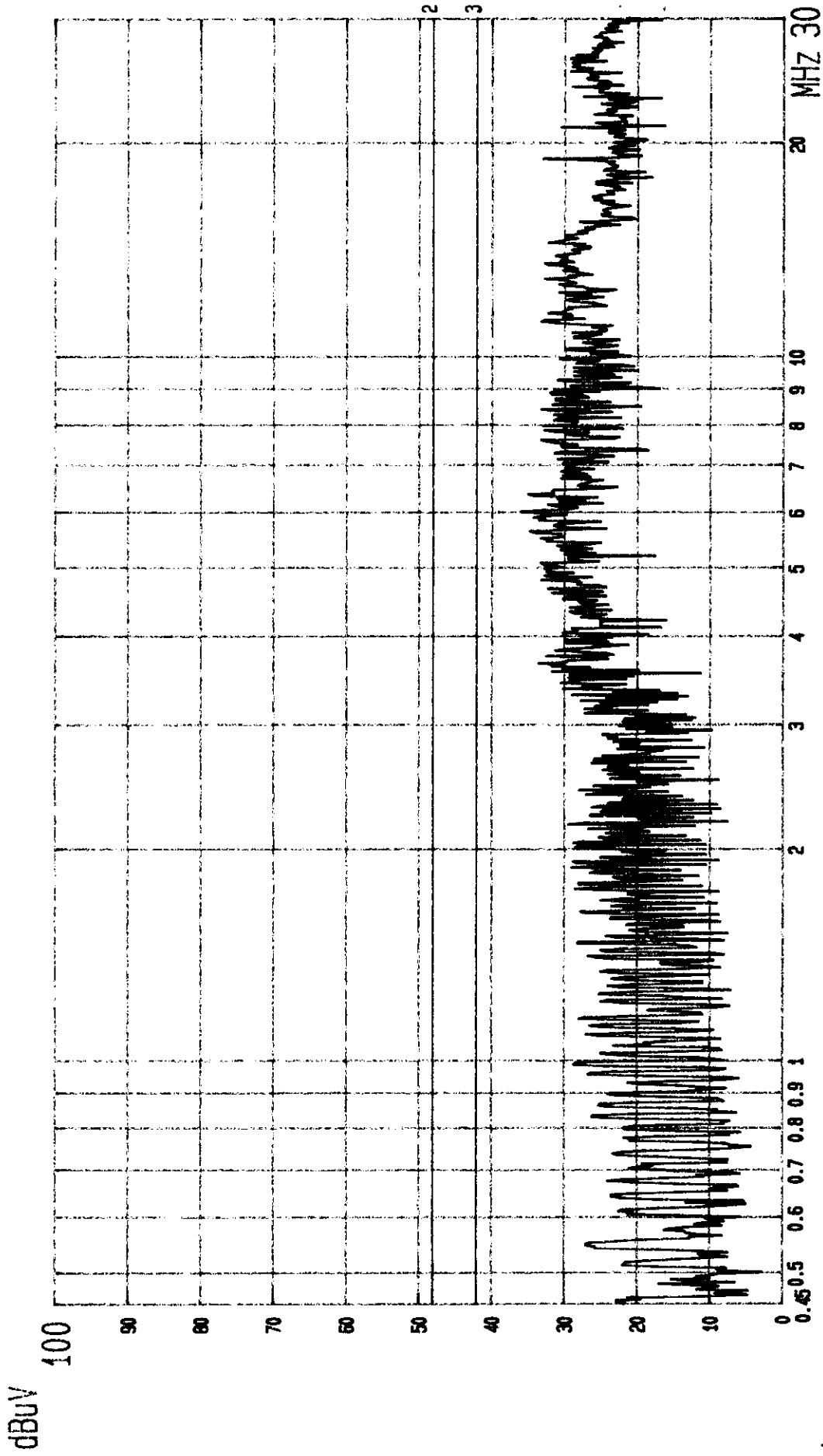
# APPENDIX I

## (Conducted Test Datas)



--- Date 02.JUN.'98 Time 11:13:45  
TOP VICTORY EUT: MONITOR  
LINE: VA. MEMO: 31.47KHz (640X480; 60Hz)

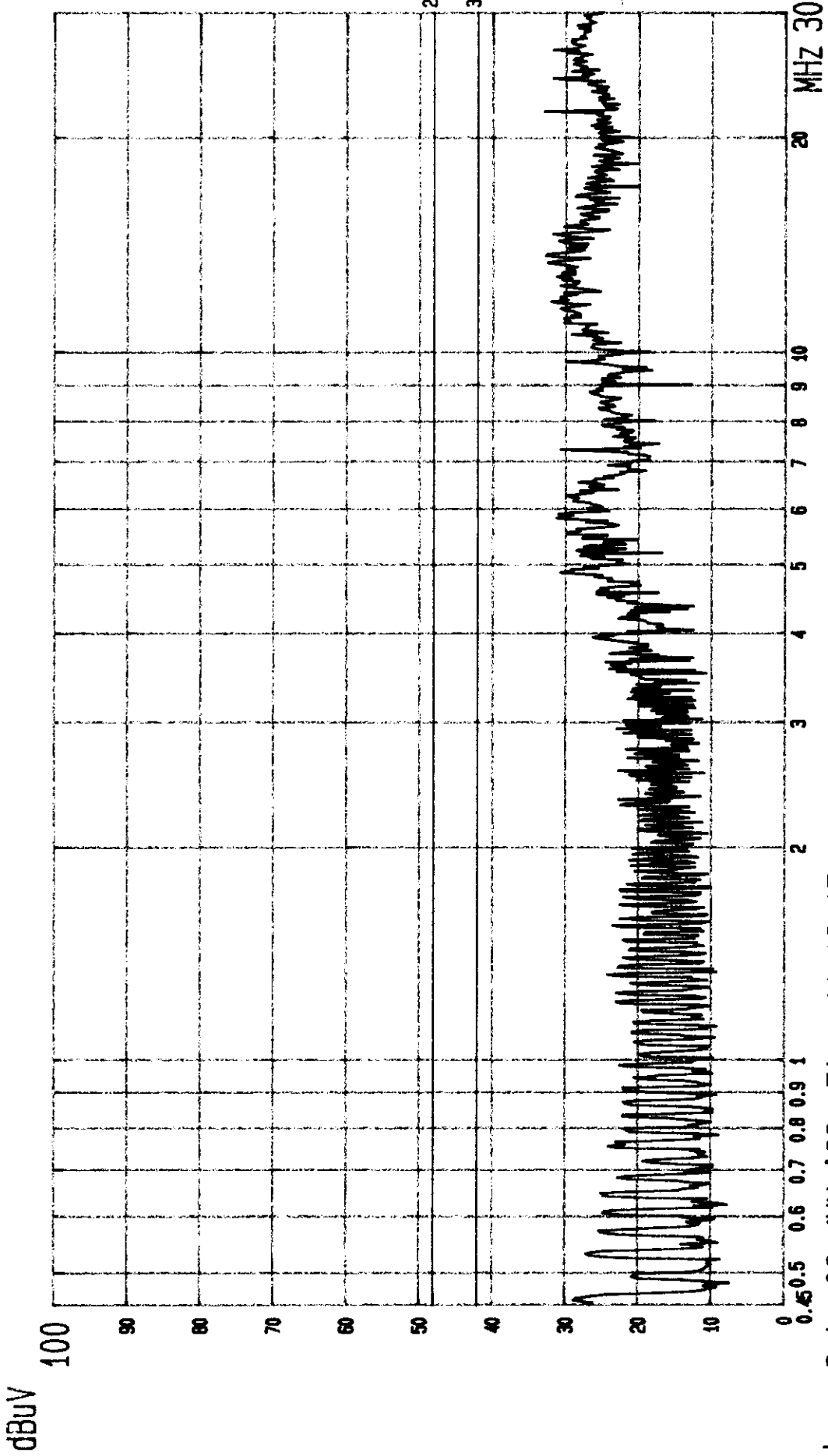
M/N: 5V1r  
(PEAK VALUE) TAIWAN TOKIN EMC.ENG. CORP.  
PAGE: 001.



--- Date 02.JUN.'98 Time 11:15:33  
 TOP VICTORY EUT: MONITOR  
 LINE: VB. MEMO: 31.47KHZ (640X480; 60HZ)

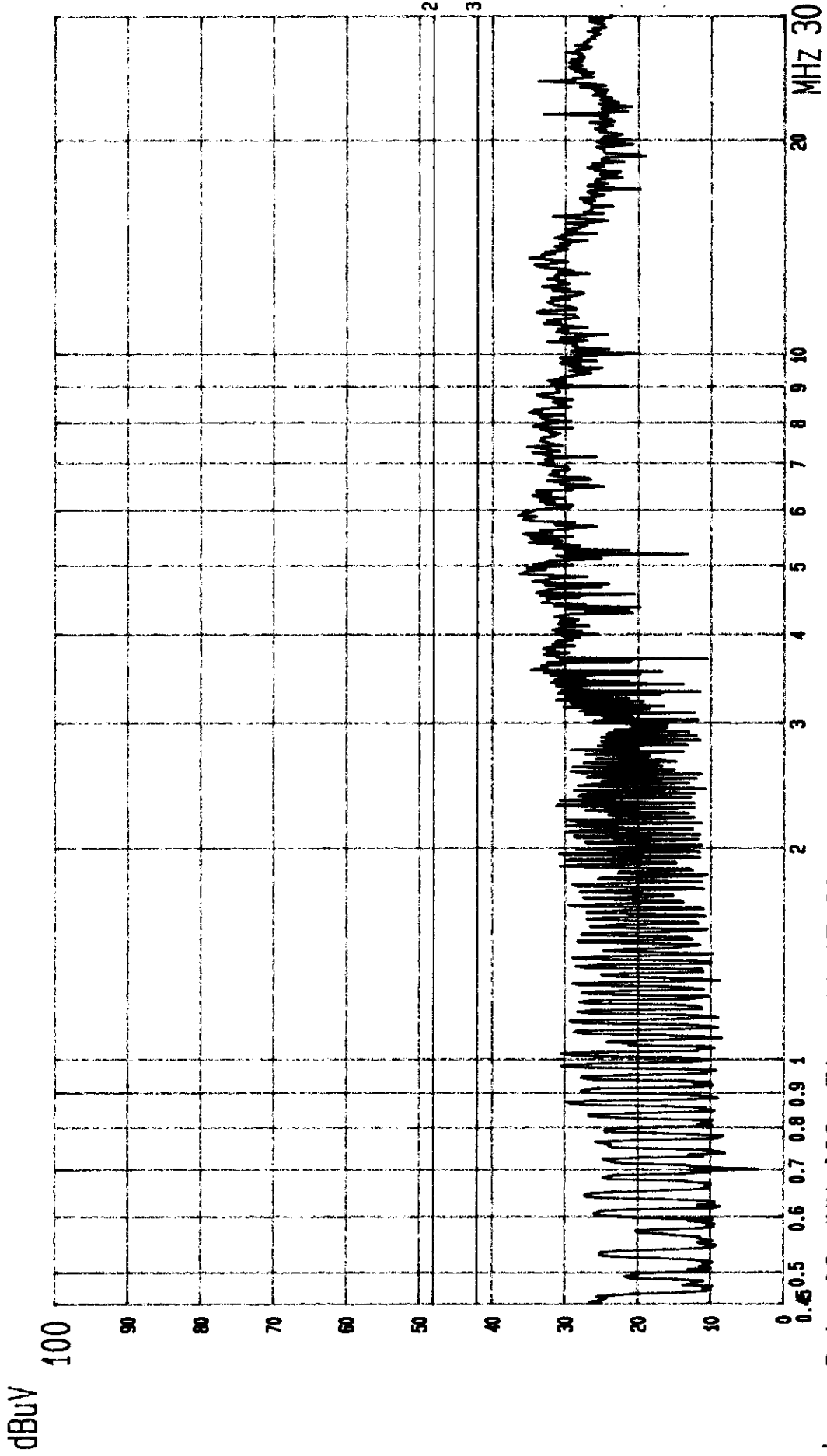
M/N: 5VIF  
 (PEAK VALUE) TAIWAN TOKIN EMC.ENG.CORP.

PAGE: 002.



L--- Date 02.JUN.'98 Time 11:19:15  
 TOP VICTORY EUT: MONITOR M/N: 5V1r  
 LINE: VA. MEMO: 37.5KHz (640X480; 75Hz) (PEAK VALUE) TAIWAN TOKIN EMC.ENG.CORP. PAGE: 004.



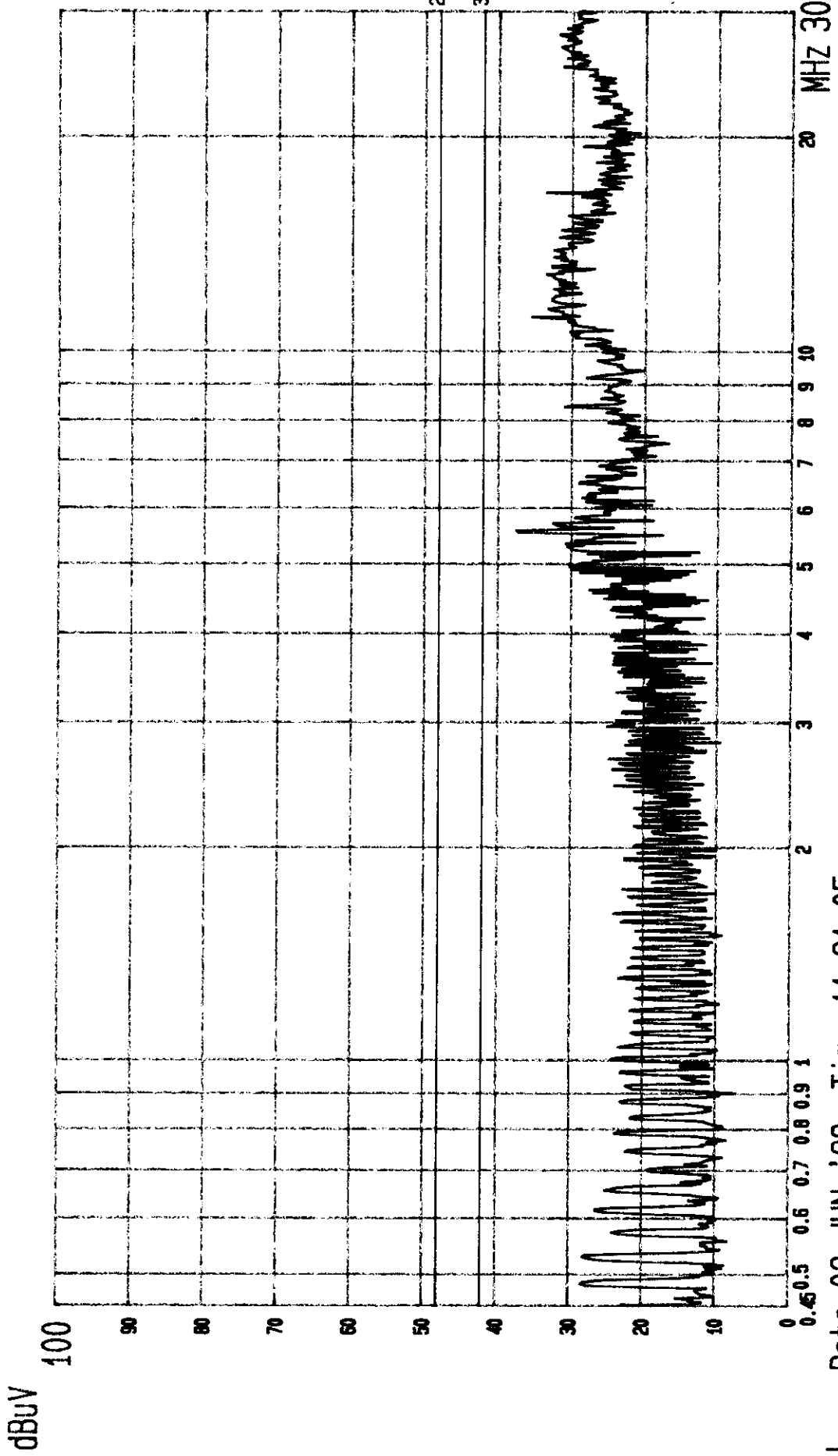


----- Date 02.JUN.'98 Time 11:17:32

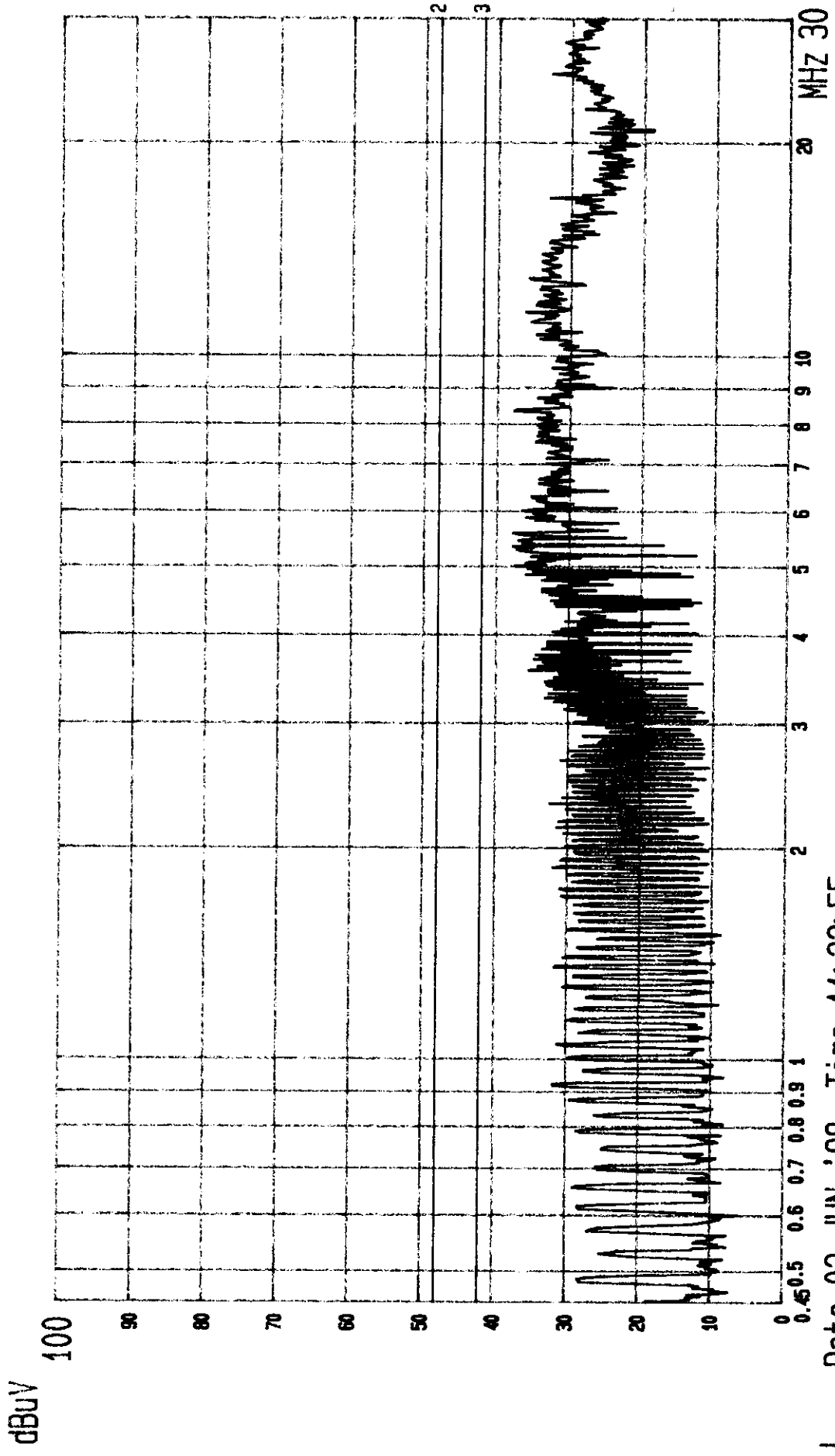
TOP VICTORY EUT: MONITOR

LINE: VB. MEMO: 37.5KHz (640X480; 75Hz)

M/N: 5V1F  
(PEAK VALUE) TAIWAN TOKIN EMC.ENG.CORP. PAGE: 003.



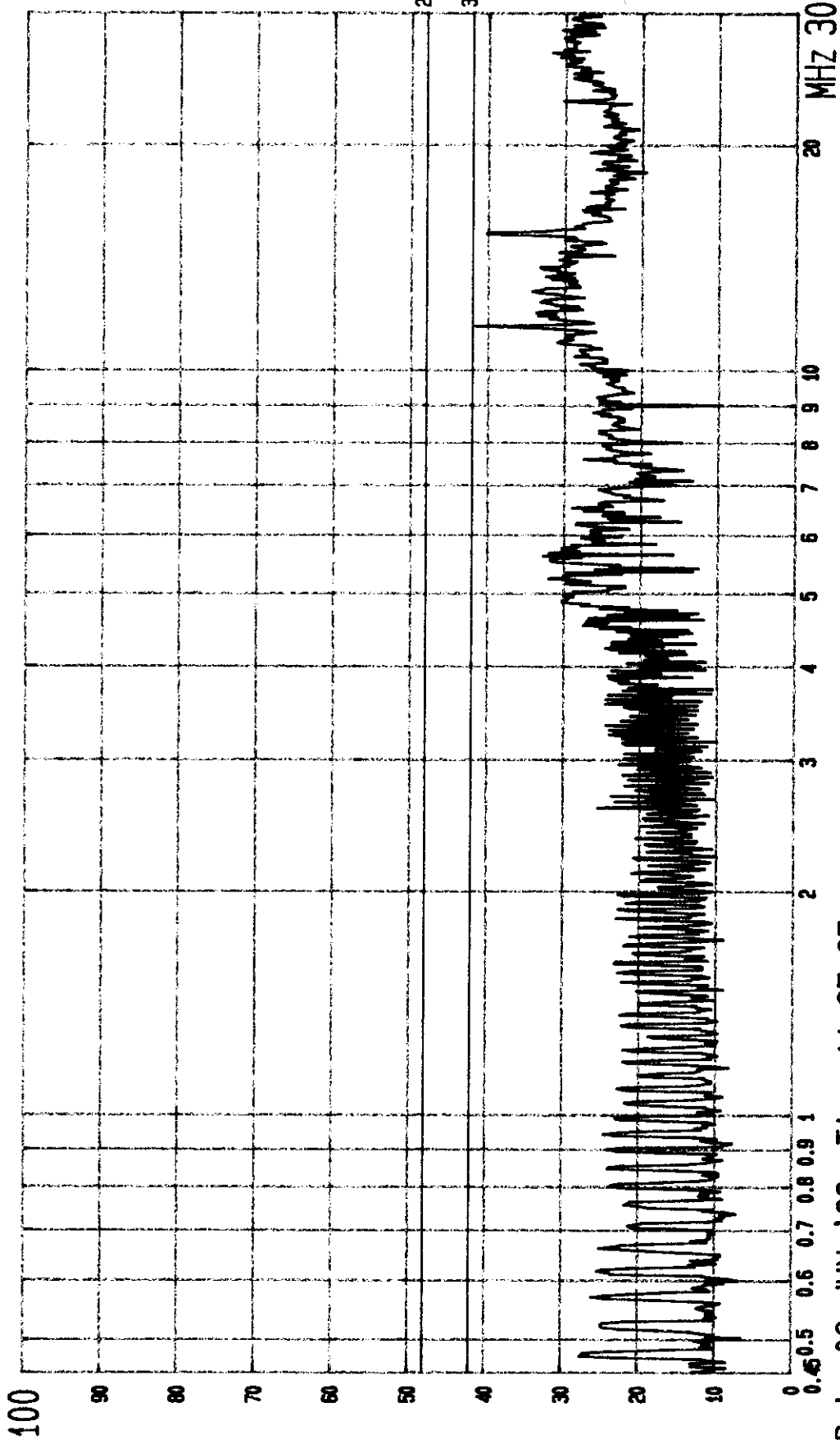
--- Date 02.JUN.'98 Time 11:21:05  
TOP VICTORY EUT: MONITOR M/N: 5V1r  
LINE: VA. MEMO: 43.3KHz (640X480; 85Hz) (PEAK VALUE) TAIWAN TOKIN EMC.ENG.CORP. PAGE: 005.



--- Date 02.JUN.'98 Time 11:22:55  
 TOP VICTORY EUT: MONITOR  
 LINE: VB. MEMO: 43.3KHZ (640X480; 85HZ)

M/N: 5V1P  
 (PEAK VALUE) TAIWAN TOKIN EMC.ENG.CORP.  
 PAGE: 006

dBuV



--- Date 02.JUN.'98 Time 11:27:27

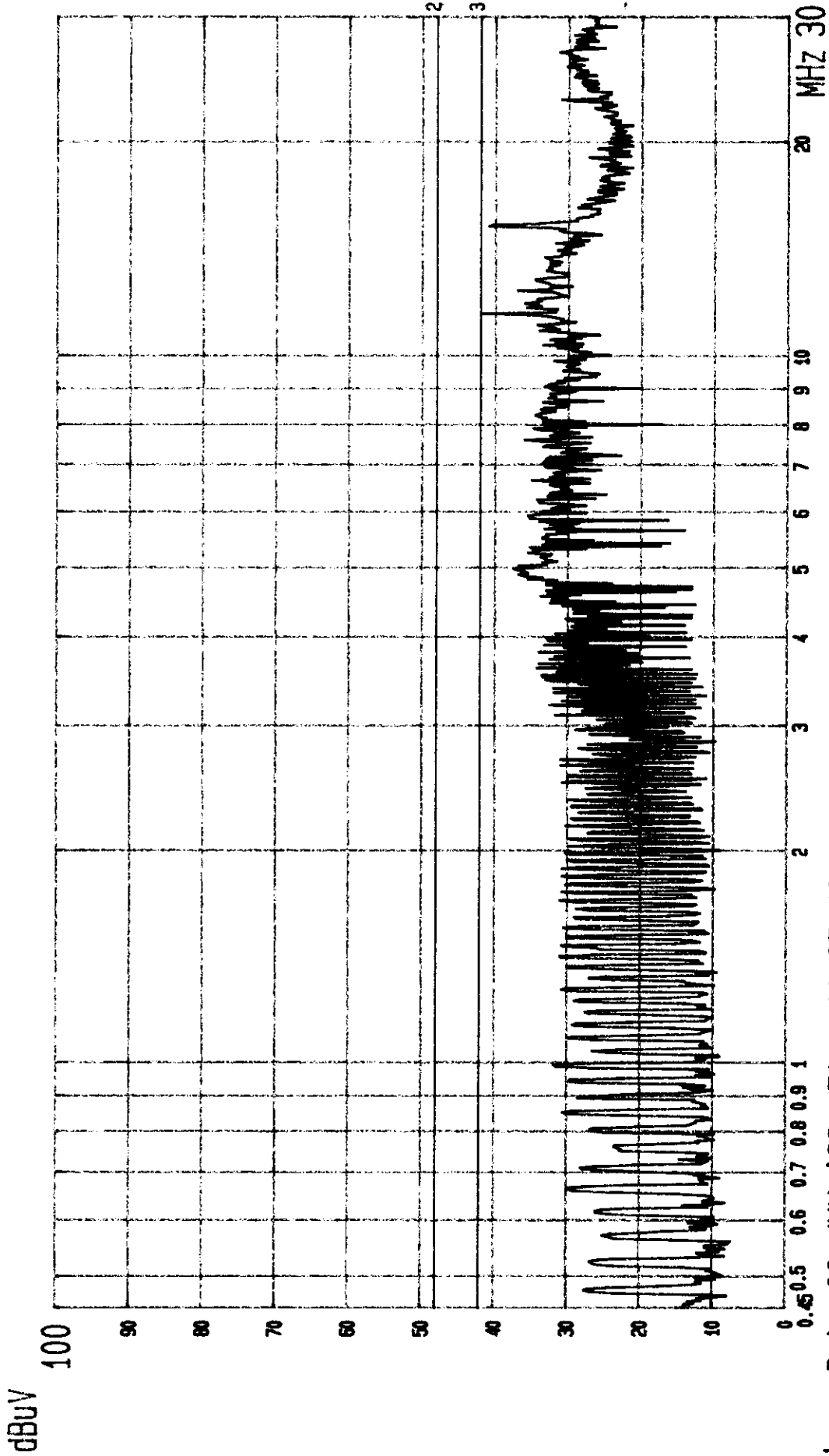
TOP VICTORY EUT: MONITOR

LINE: VA. MEMO: 46.87KHz (800X600; 75Hz)

M/N: 5V1P

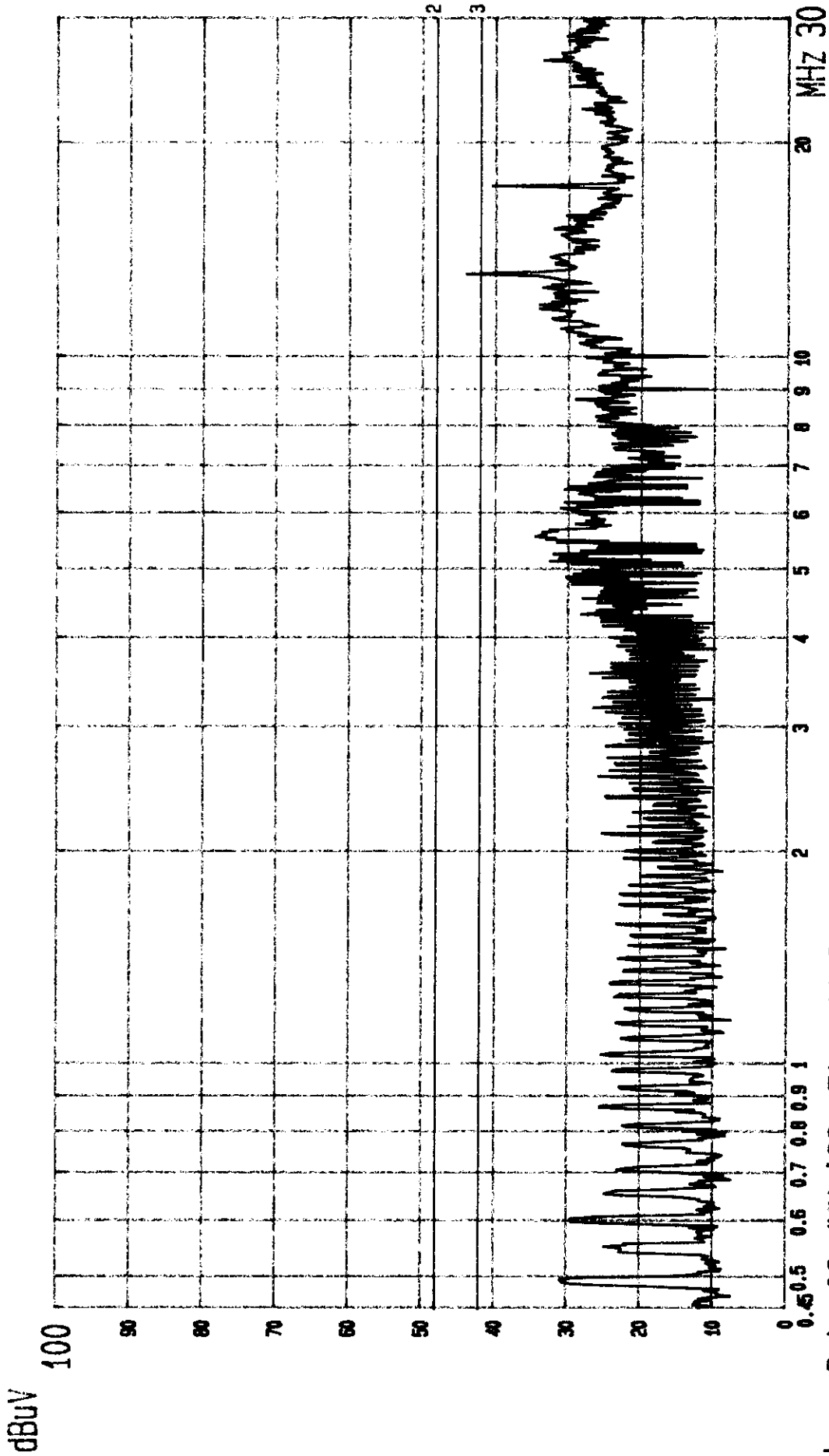
(PEAK VALUE) TAIWAN TOKIN EMC.ENG.CORP.

PAGE: 008.



Date 02.JUN.'98 Time 11:25:48  
 TOP VICTORY EUT: MONITOR  
 LINE: VB. MEMO: 46.87KHz (800X600; 75Hz)

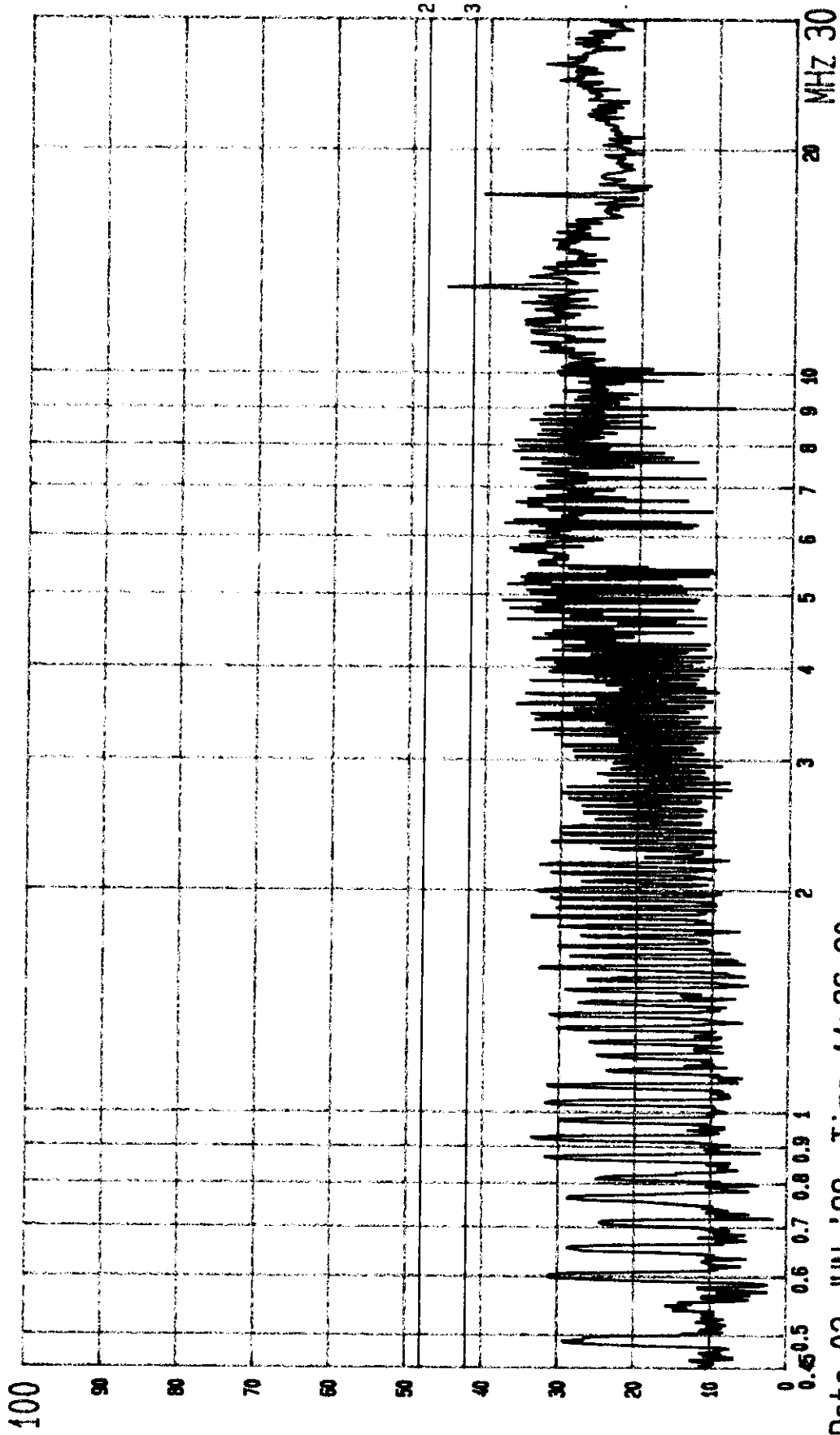
M/N: 5V1P  
 (PEAK VALUE) TAIWAN TOKIN EMC.ENG.CORP.



Date 02. JUN. '98 Time 11:34:41  
 TOP VICTORY EUT. MONITOR  
 LINE: VA. MEMO: 53.67KHz (800X600; 85Hz)

M/N: 5V1P  
 (PEAK VALUE) TAIWAN TOKIN EMC. ENG. CORP.

dBuV



---- Date 02.JUN.'98 Time 11:36:20

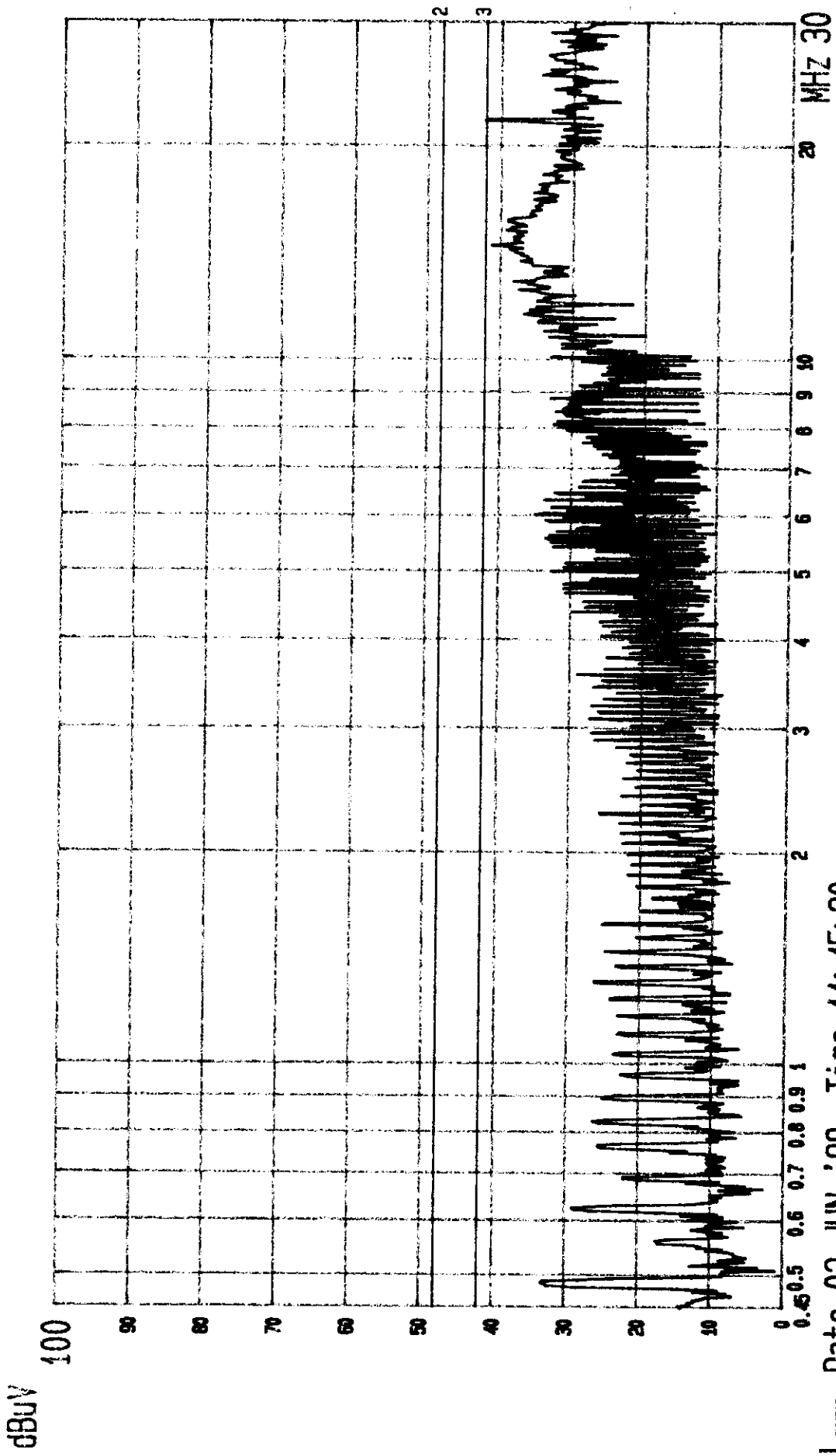
TOP VICTORY EUT: MONITOR

LINE: VB.

MEMO: 53.67KHZ (800X600; 85HZ)

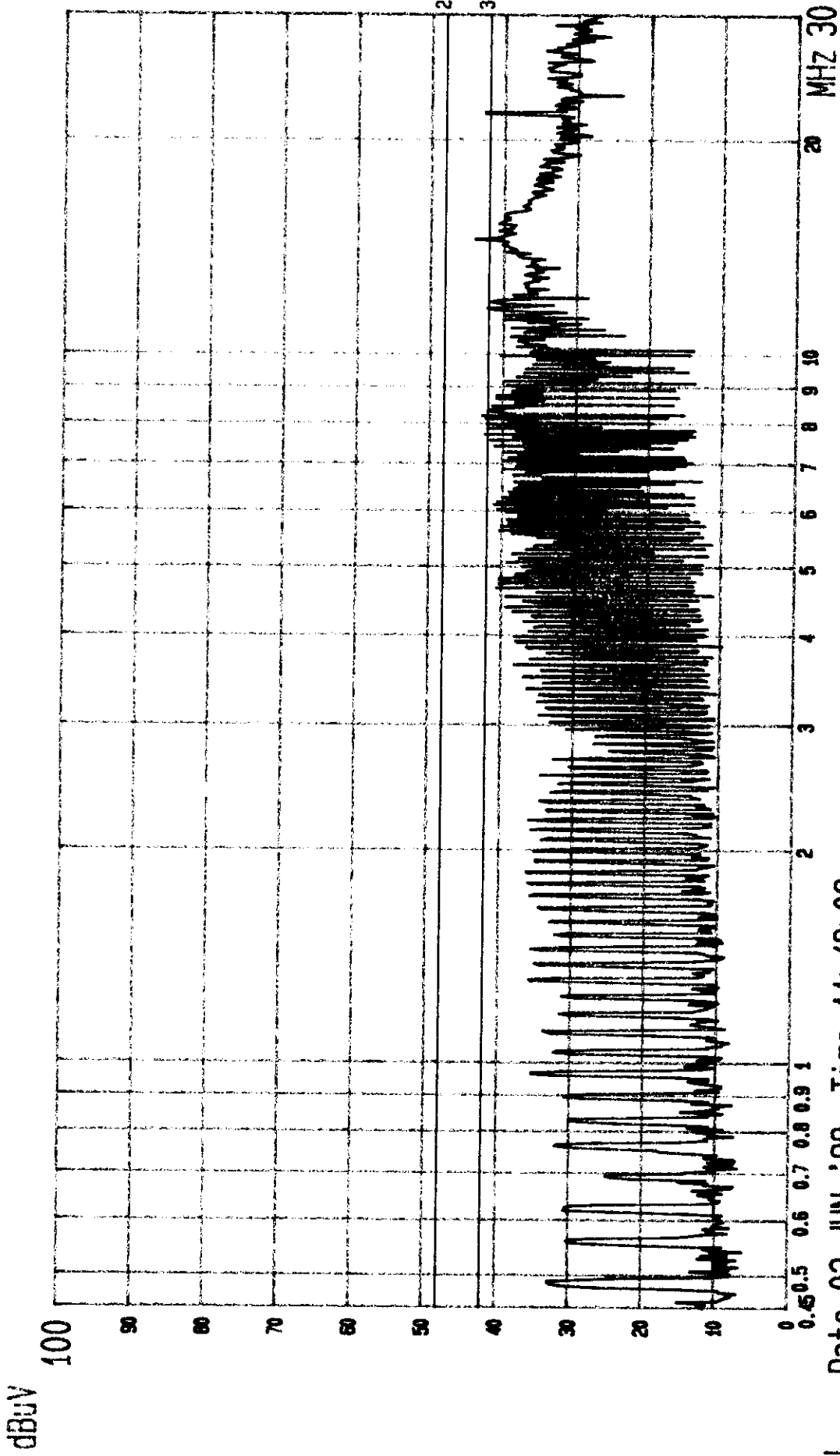
M/N: 5V1r  
(PEAK VALUE) TAIWAN TOKIN EMC.ENG.CORP.

PAGE: 010.



Date 02.JUN.'98 Time 11:45:20  
 TOP VICTORY EUT: MONITOR  
 LINE: VA. MEMO: 68.68KHZ (1024X768; 85HZ)  
 M/N: 5V1F  
 (PEAK VALUE) TAIWAN TOKIN EMC.ENG.CORP.  
 PAGE: 013.





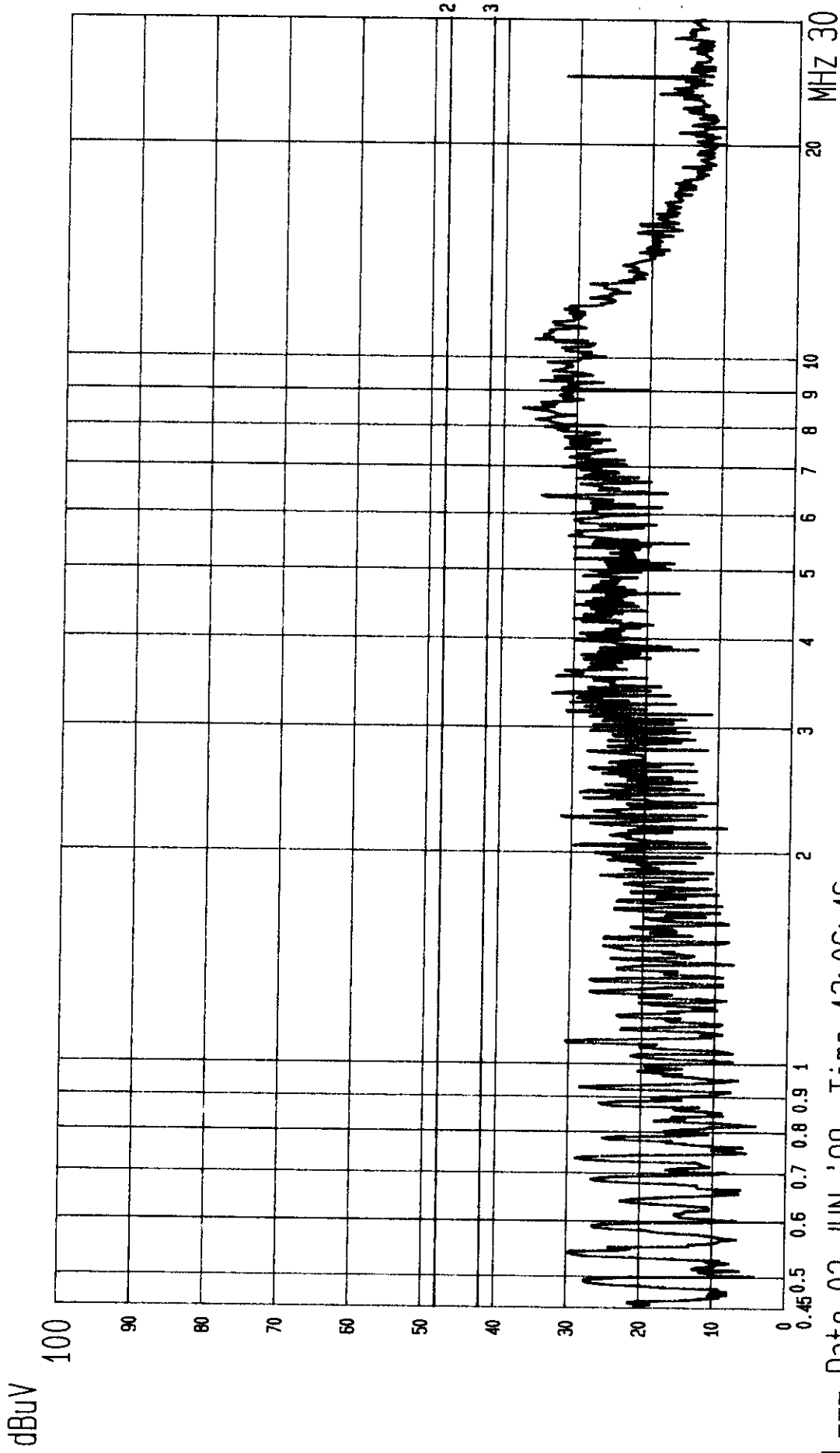
--- Date 02 JUN '98 Time 11:48:02

TOP VICTORY EUT: MONITOR

LINE: VB. MEMO: 68.68KHz (1024X768; 85Hz)

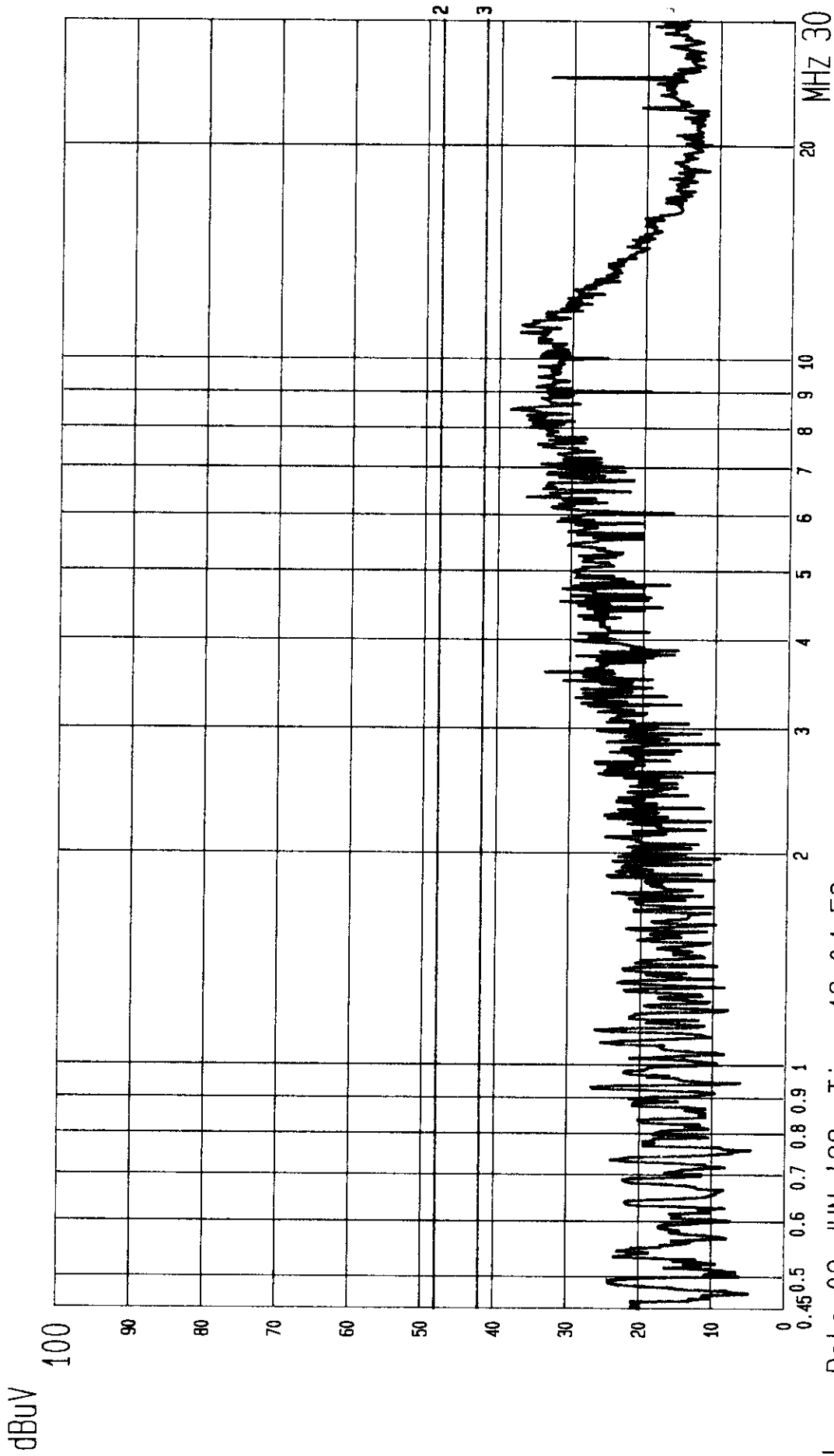
M/N: 5V1J  
(PEAK VALUE) TAIWAN TOKIN EMC. ENG. CORP.

PAGE: 014.



Date 02.JUN.'98 Time 13:06:46  
 TOP VICTORY EUT: MONITOR  
 LINE: VA. MEMO: 31.47KHz (640X480; 60Hz)

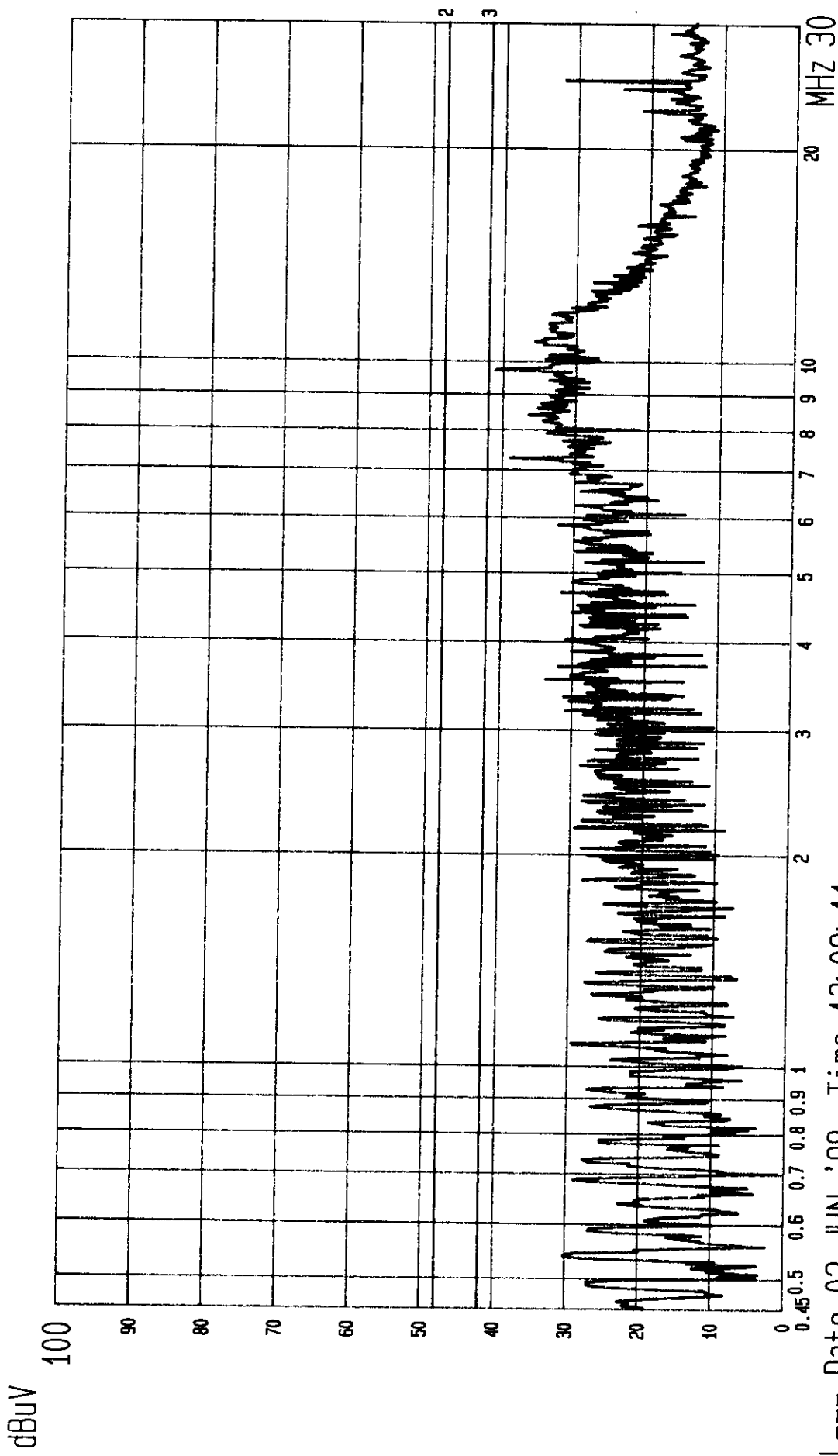
M/N: 5V1r (TO PC)  
 (PEAK VALUE) TAIWAN TOKIN EMC.ENG.CORP.



L--- Date 02.JUN.'98 Time 13:04:59  
 TOP VICTORY EUT: MONITOR  
 LINE: VB. MEMO: 31.47KHz (640X480; 60Hz)

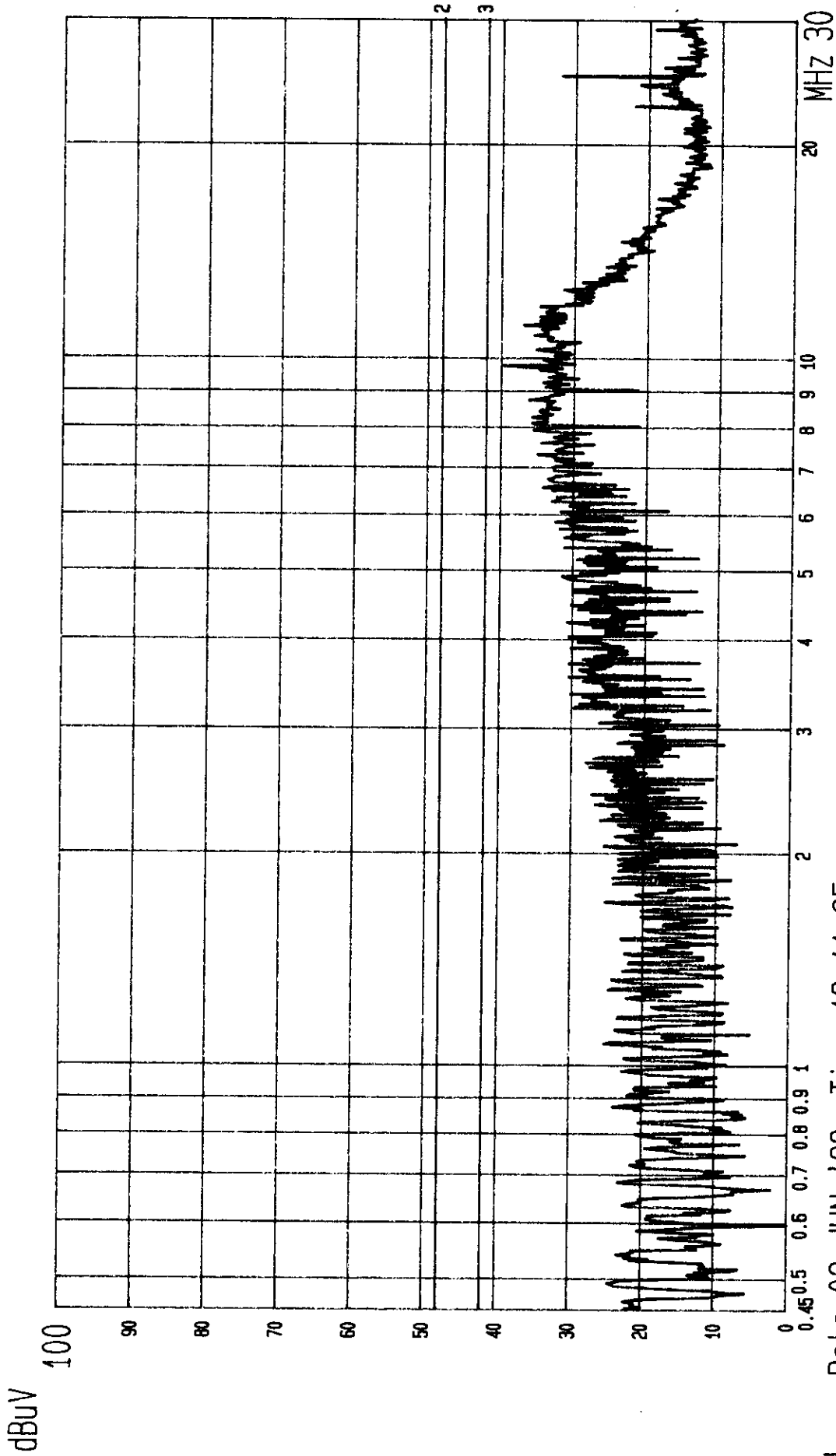
M/N: 5V1r (TO PC)  
 (PEAK VALUE) TAIWAN TOKIN EMC.ENG.CORP.

PAGE: 001.



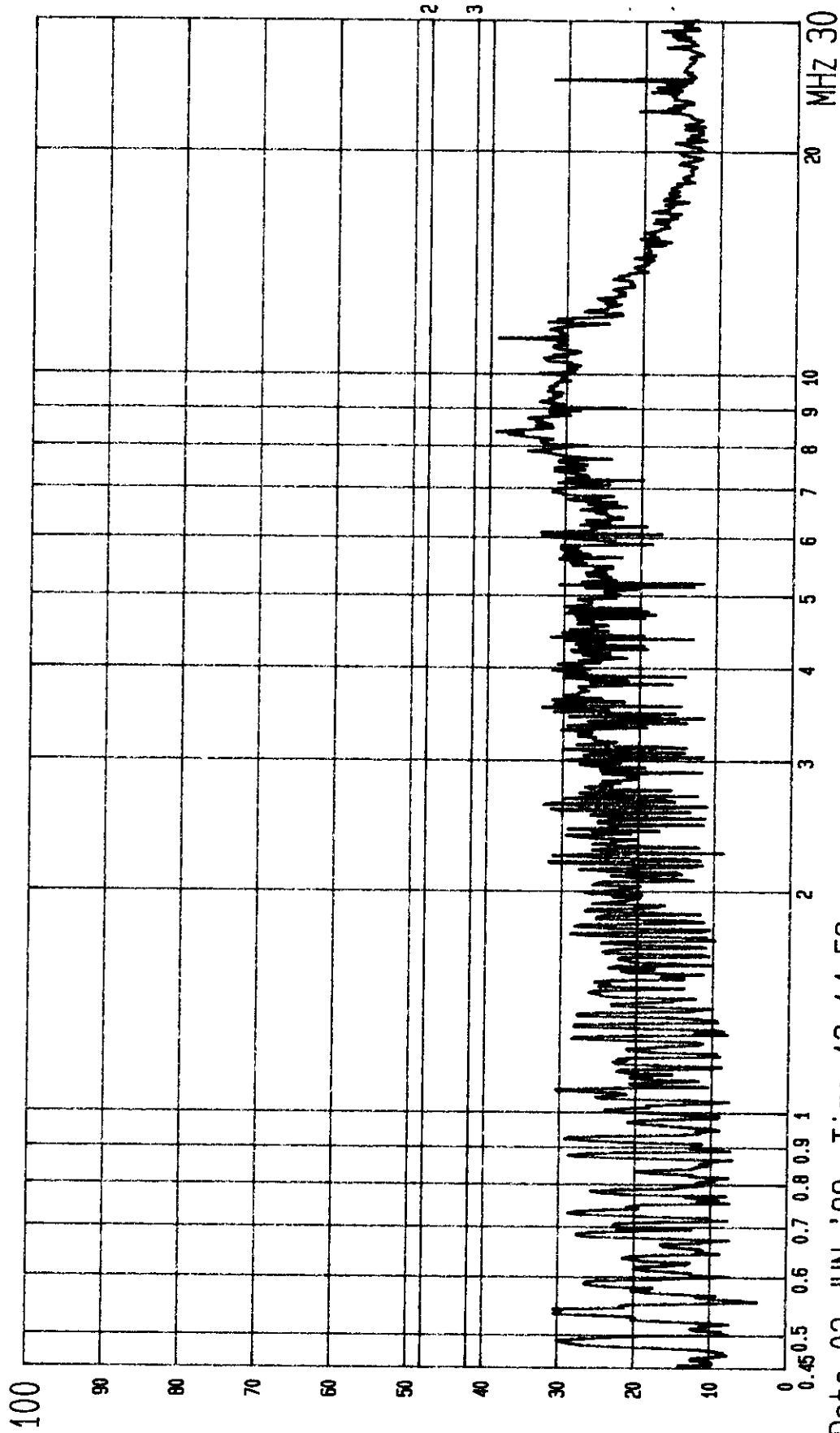
L--- Date 02.JUN.'98 Time 13:09:44  
 TOP VICTORY EUT: MONITOR  
 LINE: VA. MEMO: 37.5KHz (640X480; 75Hz)

M/N: 5V1r (TO PC) PAGE: 003  
 (PEAK VALUE) TAIWAN TOKIN EMC.ENG.CORP.



L--- Date 02.JUN.'98 Time 13:11:25  
 TOP VICTORY EUT: MONITOR  
 LINE: VB. MEMO: 37.5KHz (640X480; 75Hz)  
 M/N: 5V1r (TO PC) PAGE: 004.  
 (PEAK VALUE) TAIWAN TOKIN EMC. ENG. CORP.

dBuV

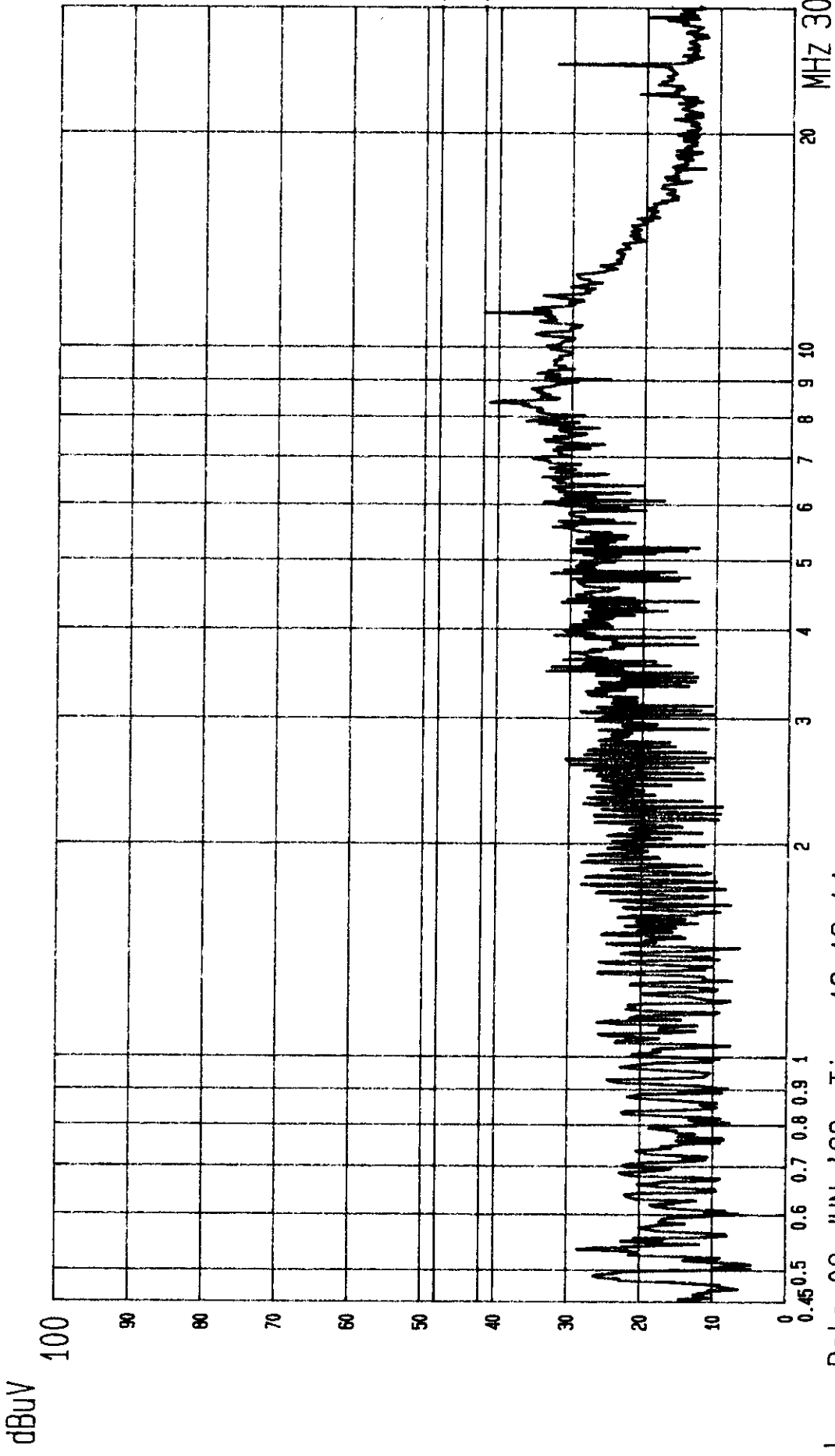


--- Date 02.JUN.'98 Time 13:14:59

TOP VICTORY EUT: MONITOR

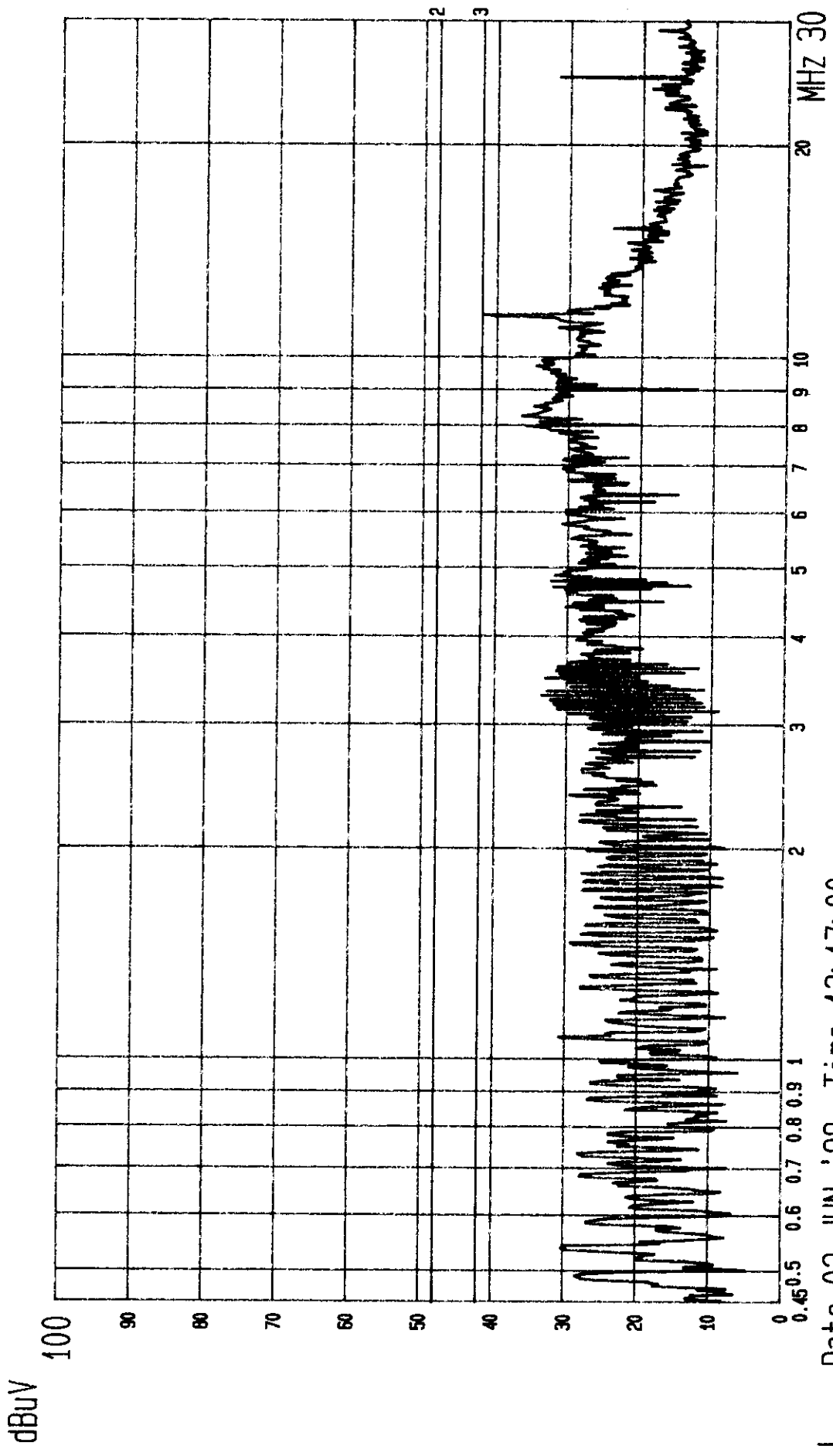
LINE: VA. MEMO: 43.3KHz (640X480; 85Hz)

M/N: 5V1r (TO PC) PAGE: 006  
(PEAK VALUE) TAIWAN TOKIN EMC.ENG.CORP.



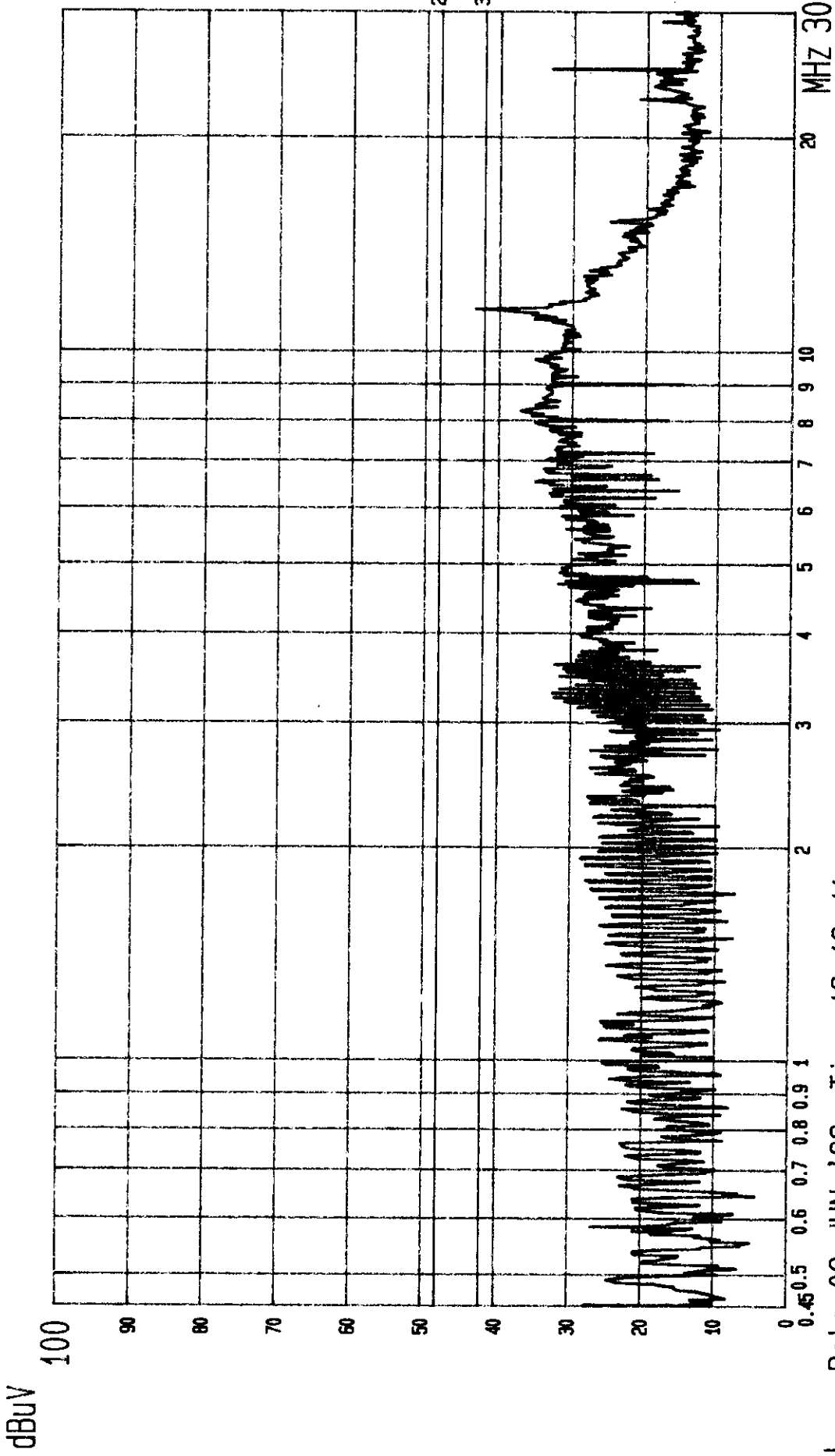
--- Date 02.JUN.'98 Time 13:13:14  
 TOP VICTORY EUT: MONITOR  
 LINE: VB MEMO: 43.3KHz (640X480; 85Hz)

M/N: 5V1P (TO PC) PAGE: 005.  
 (PEAK VALUE) TAIWAN TOKIN EMC.ENG.CORP.



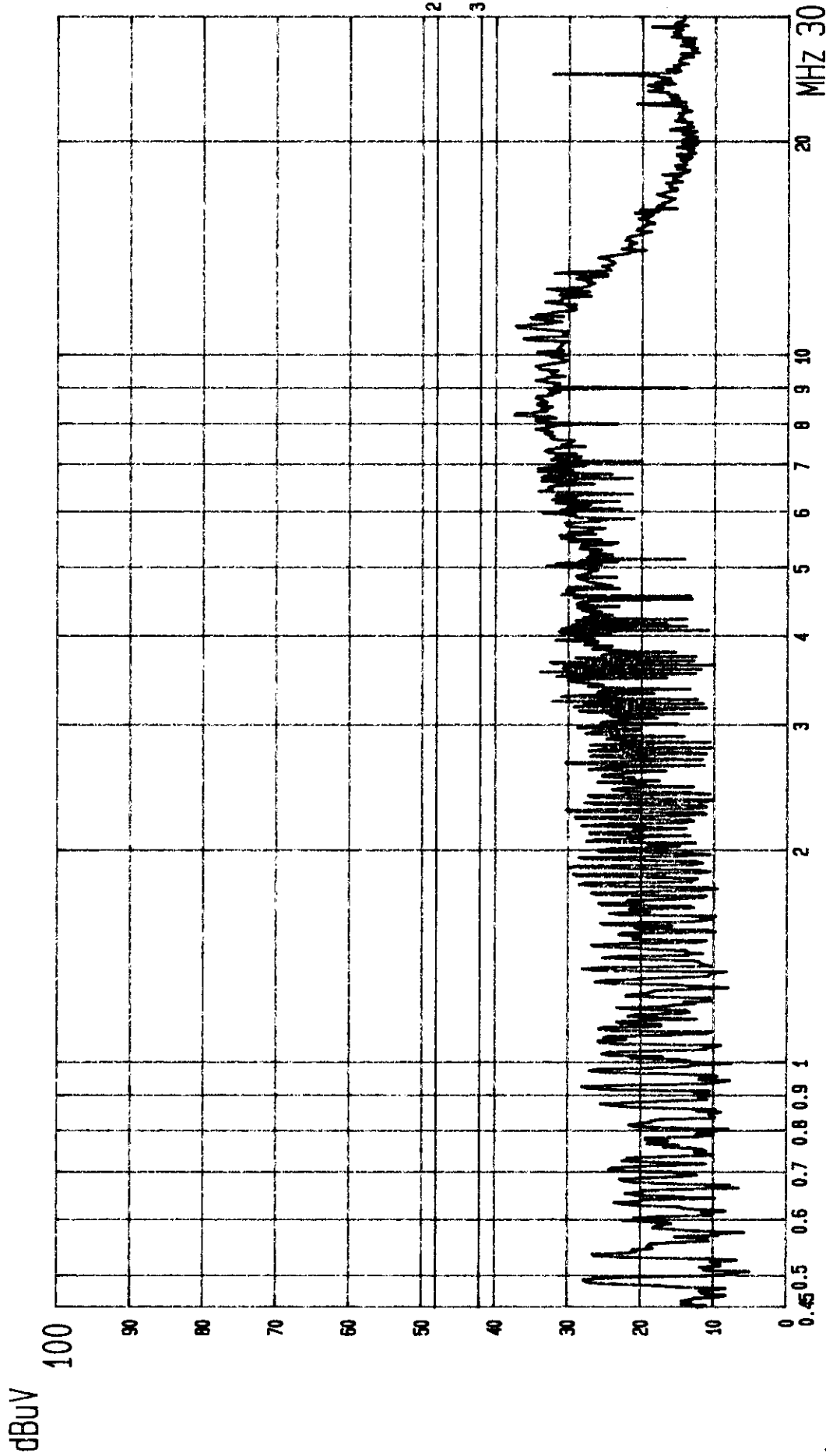
L--- Date 02.JUN.'98 Time 13:17:00  
 TOP VICTORY EUT: MONITOR  
 LINE: VA. MEMO: 46.87KHZ (800X600; 75Hz)  
 M/N: 5V1r (TO PC) PAGE: 007.  
 (PEAK VALUE) TAIWAN TOKIN EMC.ENG.CORP.





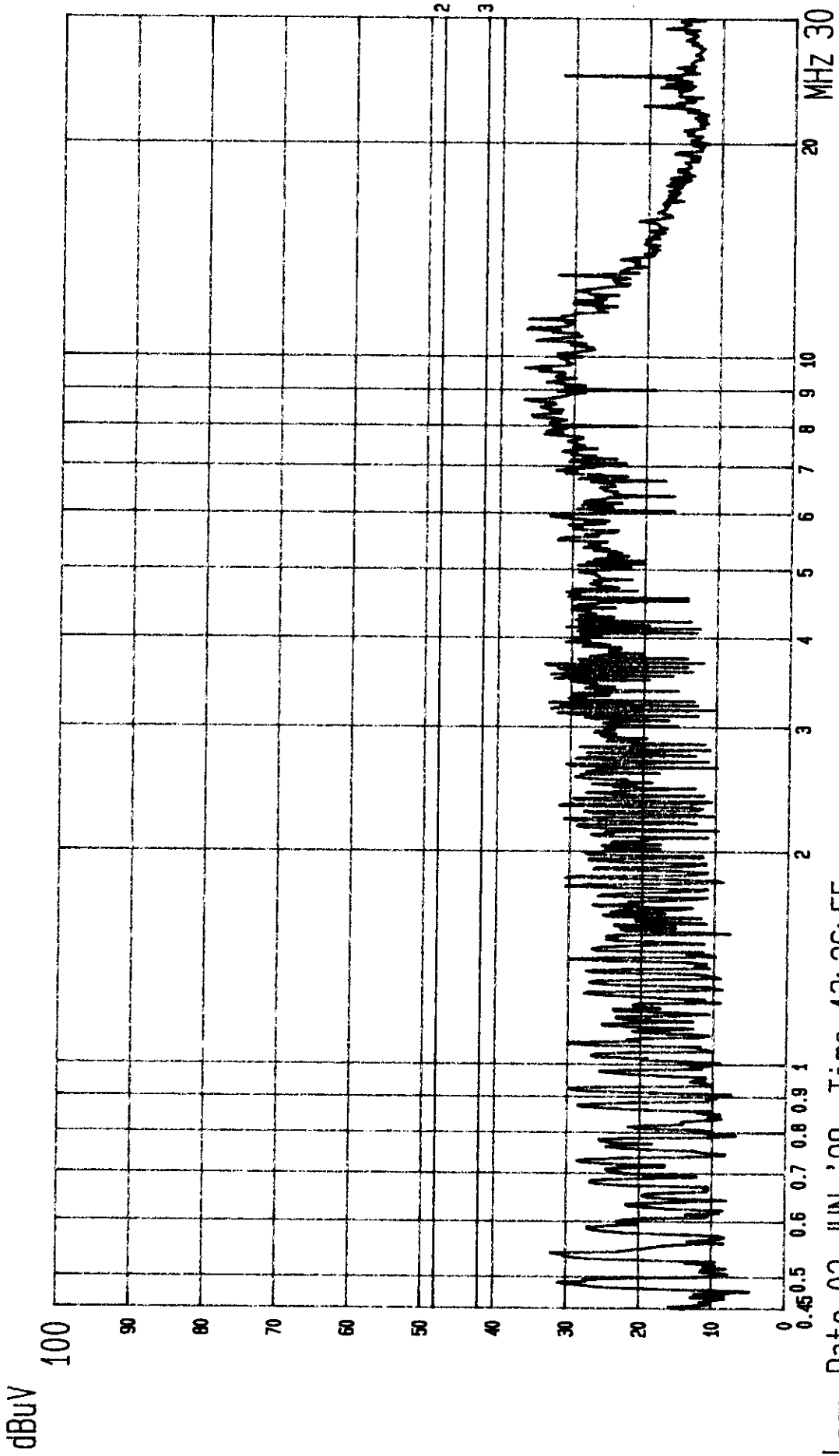
L--- Date 02.JUN.'98 Time 13:18:41  
 TOP VICTORY EUT: MONITOR  
 LINE: VB. MEMO: 46.87KHz (800X600; 75Hz)

M/N: 5V1r (TO PC) PAGE: 008.  
 (PEAK VALUE) TAIWAN TOKIN EMC. ENG. CORP.

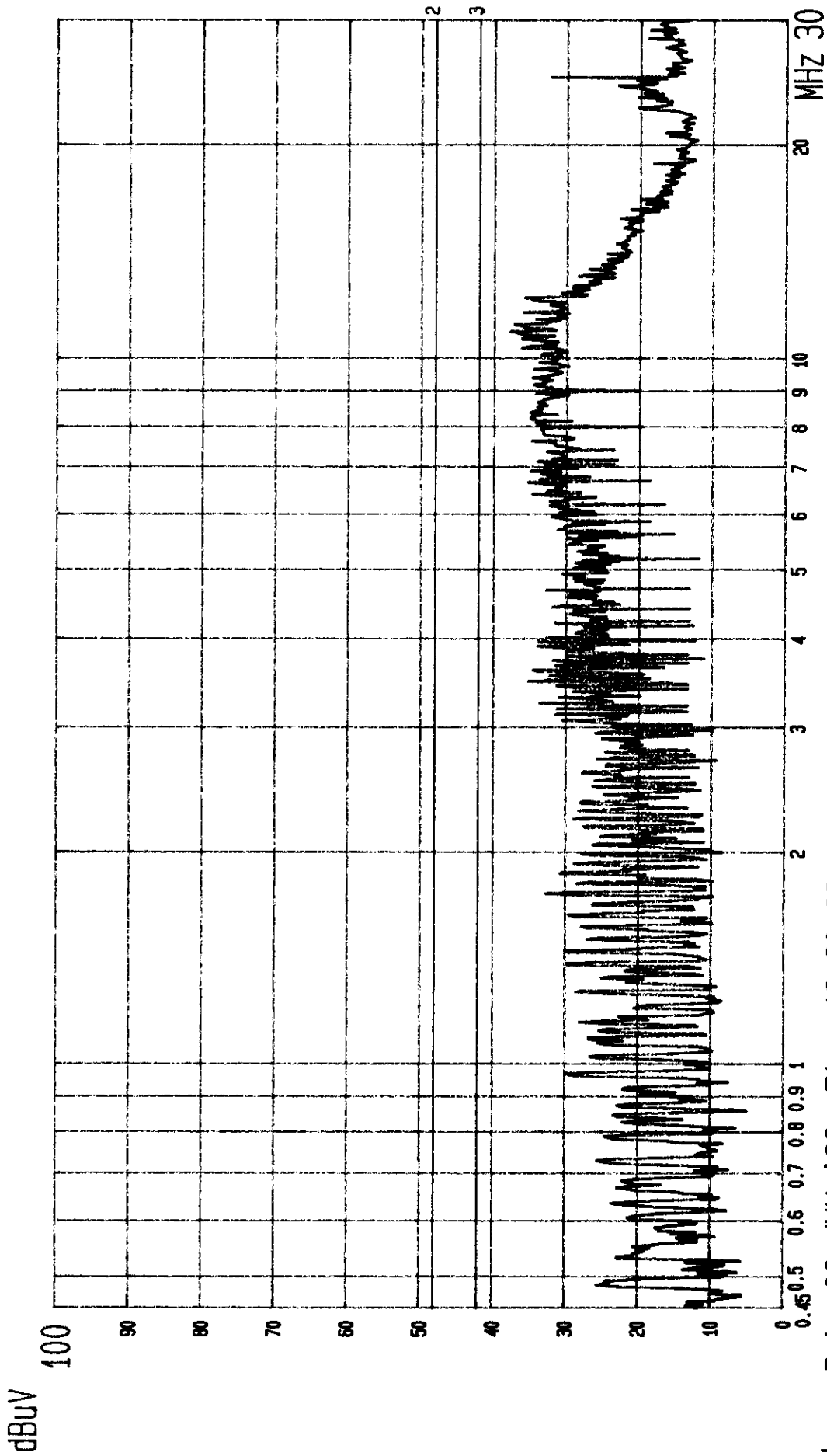


L--- Date 02.JUN.'98 Time 13:28:37  
 TOP VICTORY EUT: MONITOR  
 LINE: VA. MEMO: 53.67KHz (800X600; 85Hz)

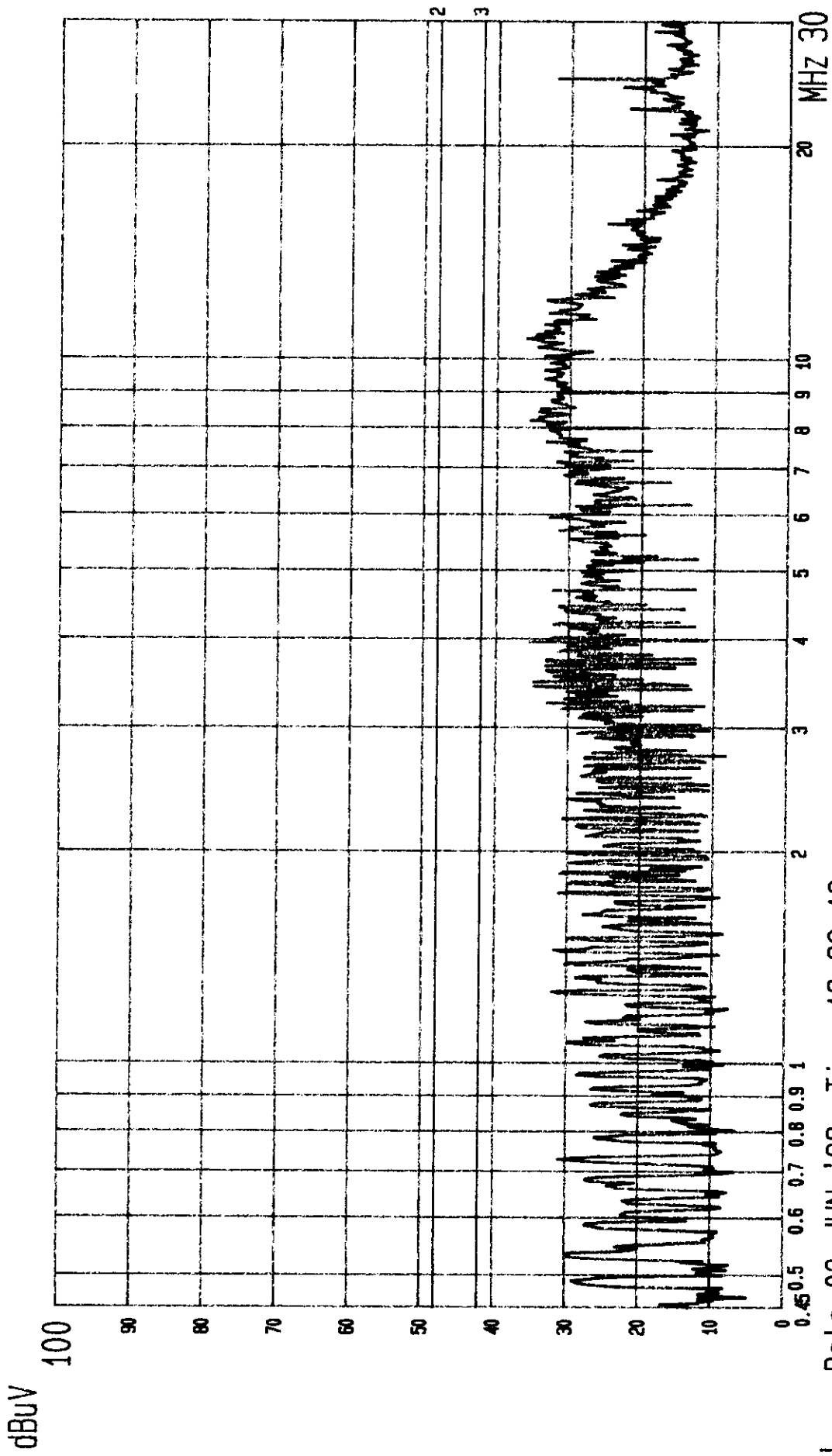
M/N: 5V1r (TO PC) PAGE: 010.  
 (PEAK VALUE) TAIWAN TOKIN EMC.ENG.CORP.



--- Date 02.JUN.'98 Time 13:26:55  
 TOP VICTORY EUT: MONITOR  
 LINE: VB. MEMO: 53.67KHz (800X600; 85Hz)  
 M/N: 5V1P (TO PC) PAGE: 009.  
 (PEAK VALUE) TAIWAN TOKIN EMC.ENG.CORP.

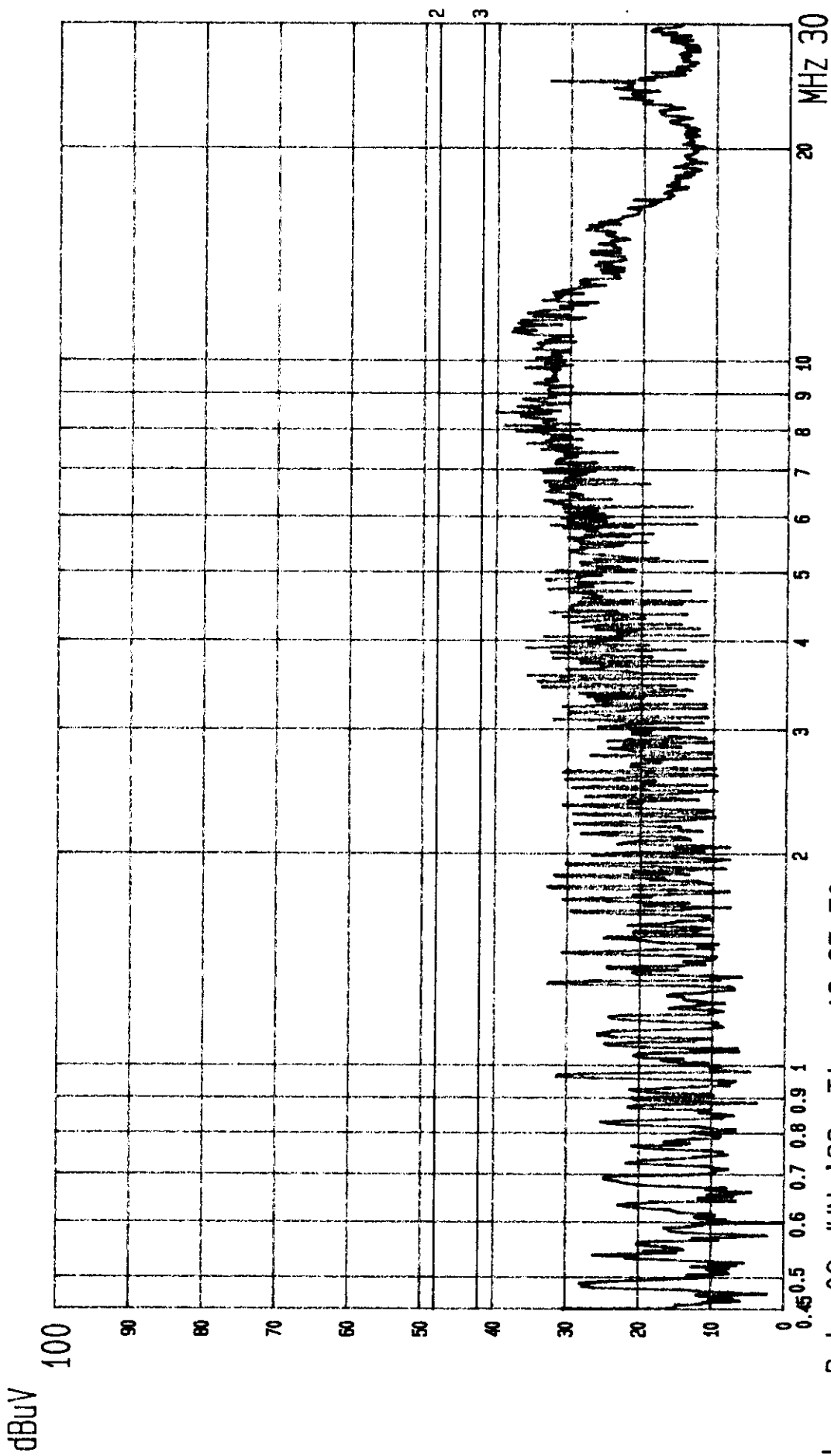


Date 02.JUN.'98 Time 13:30:23  
 TOP VICTORY EUT: MONITOR  
 LINE: VA. MEMO: 60KHz (1024X768; 75Hz)  
 M/N: 5V1r (TO PC) PAGE: 011.  
 (PEAK VALUE) TAIWAN TOKIN EMC.ENG.CORP.



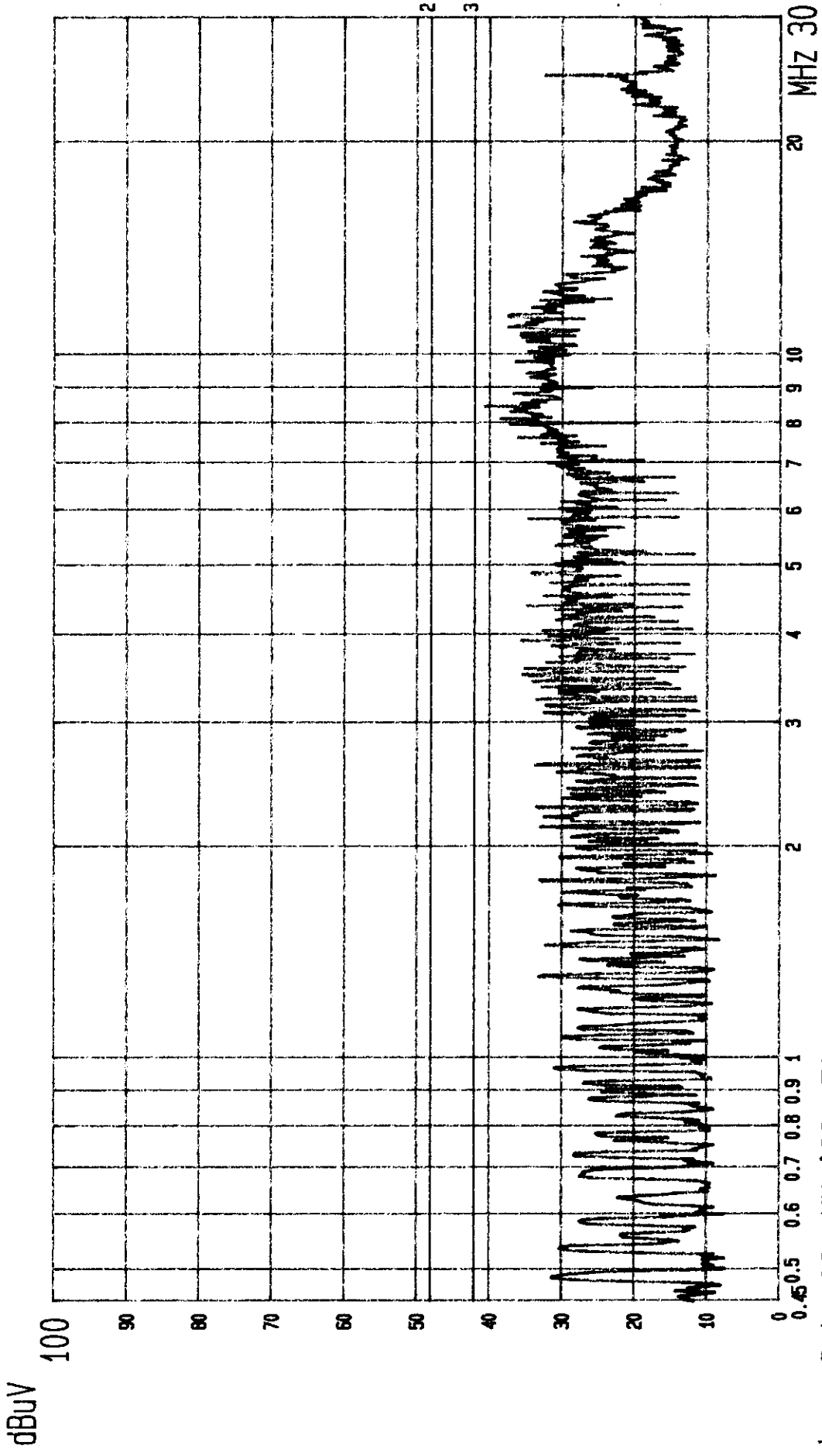
Date 02. JUN. '98 Time 13: 32: 12  
 TOP VICTORY EUT: MONITOR  
 LINE: VB. MEMO: 60KHZ (1024X768; 75HZ)

M/N: 5V1r (TO PC) PAGE: 012.  
 (PEAK VALUE) TAIWAN TOKIN EMC.ENG.CORP.



L--- Date 02.JUN.'98 Time 13:35:50  
TOP VICTORY EUT: MONITOR  
LINE: VA. MEMO: 68.68KHz (1024X768; 85Hz)

M/N: 5V1r (TO PC) PAGE: 014.  
(PEAK VALUE) TAIWAN TOKIN EMC.ENG.CORP.



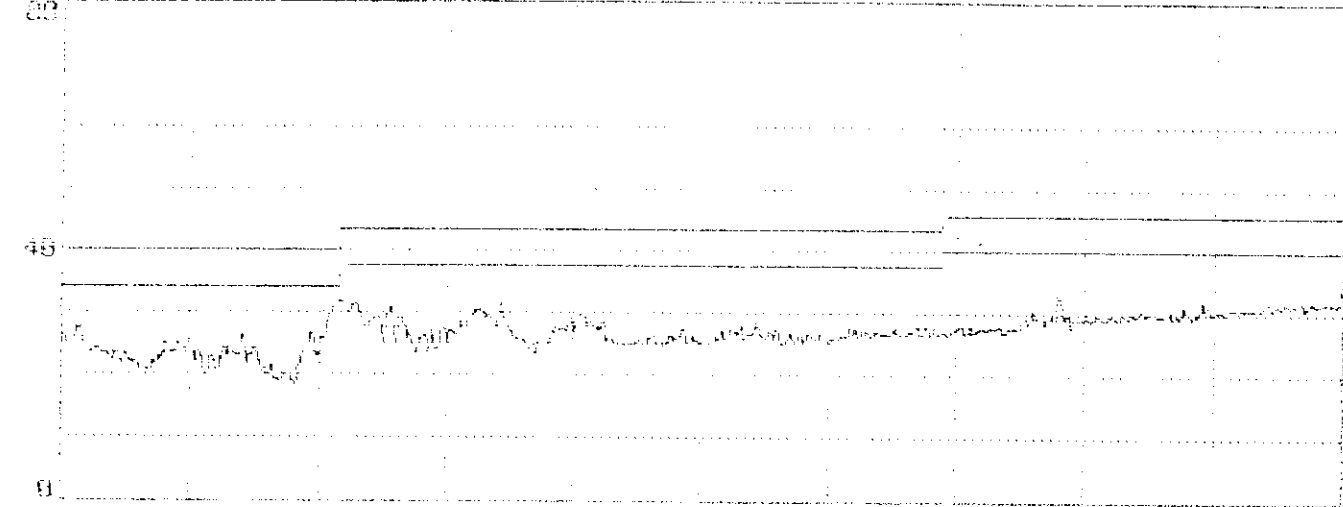
Date 02 JUN '98 Time 13:34:10  
 TOP VICTORY EUT: MONITOR  
 LINE: VB. MEMO: 68.68KHZ (1024X768; 85HZ)

M/N: 5V1F (TO PC) PAGE: 013.  
 (PEAK VALUE) TAIWAN TOKIN EMC.ENG.CORP.

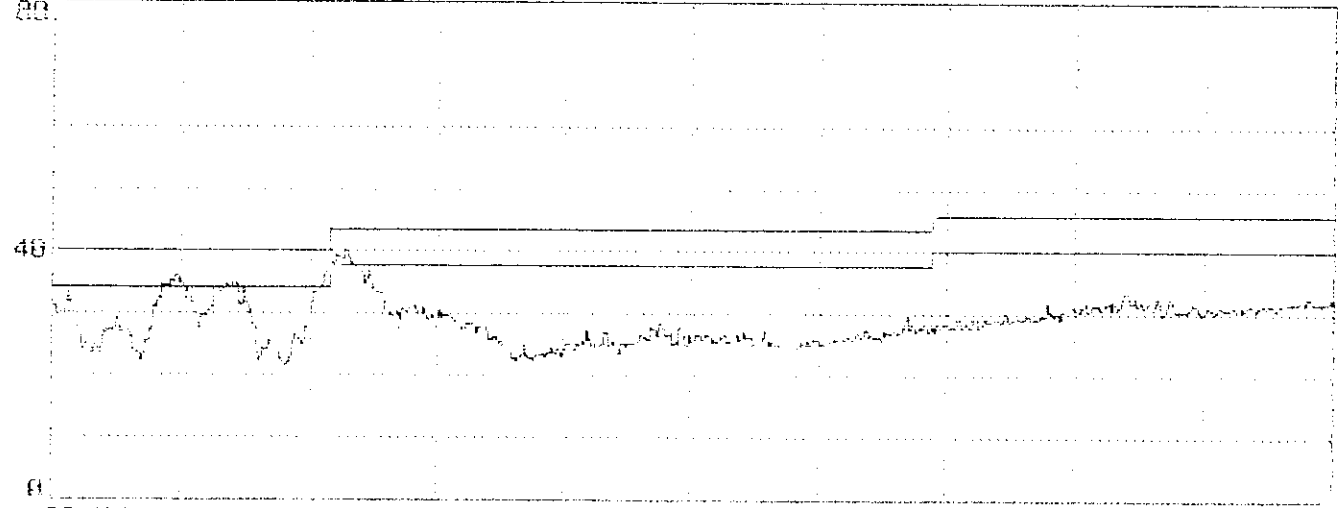
## APPENDIX II

( Radiated Test Datas  
at Anechoic Chamber)

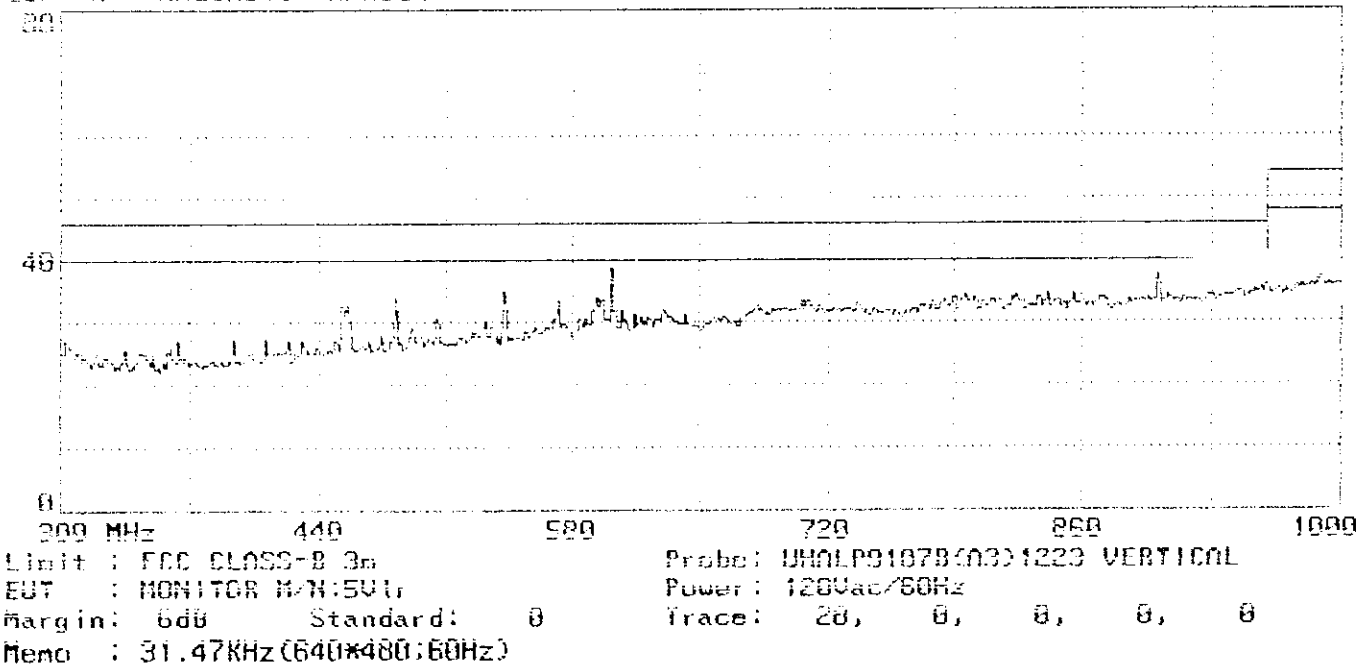
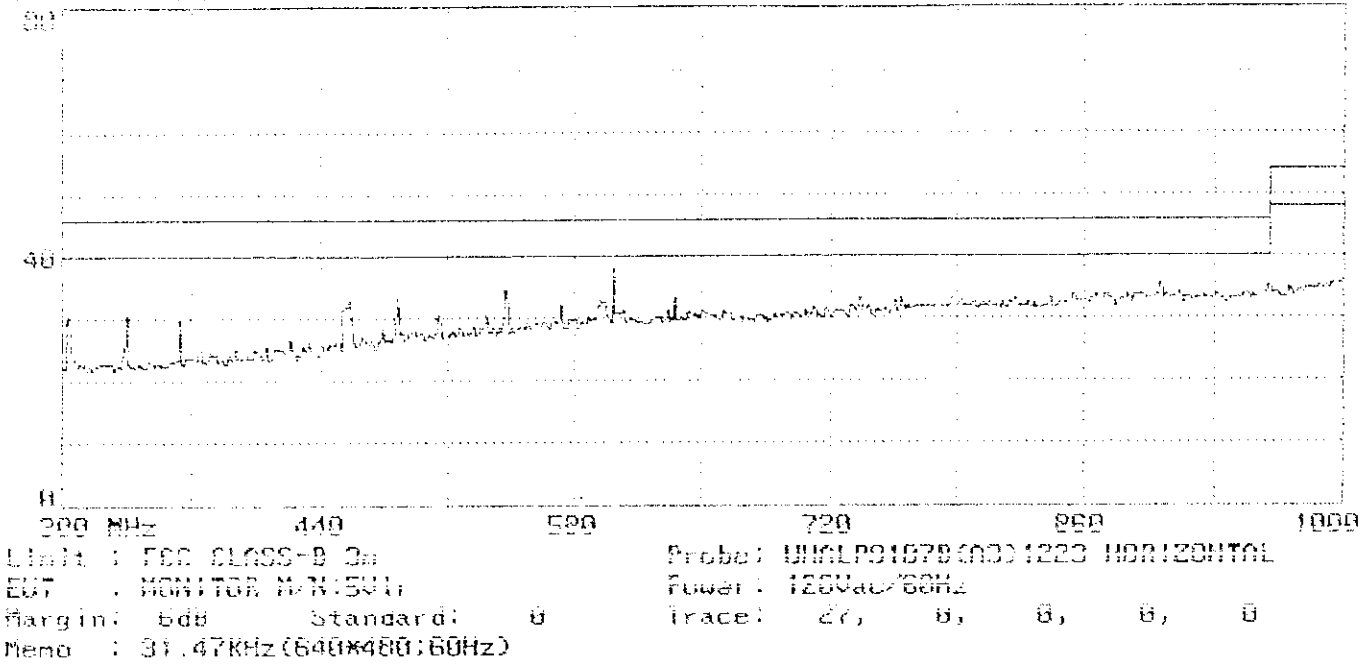


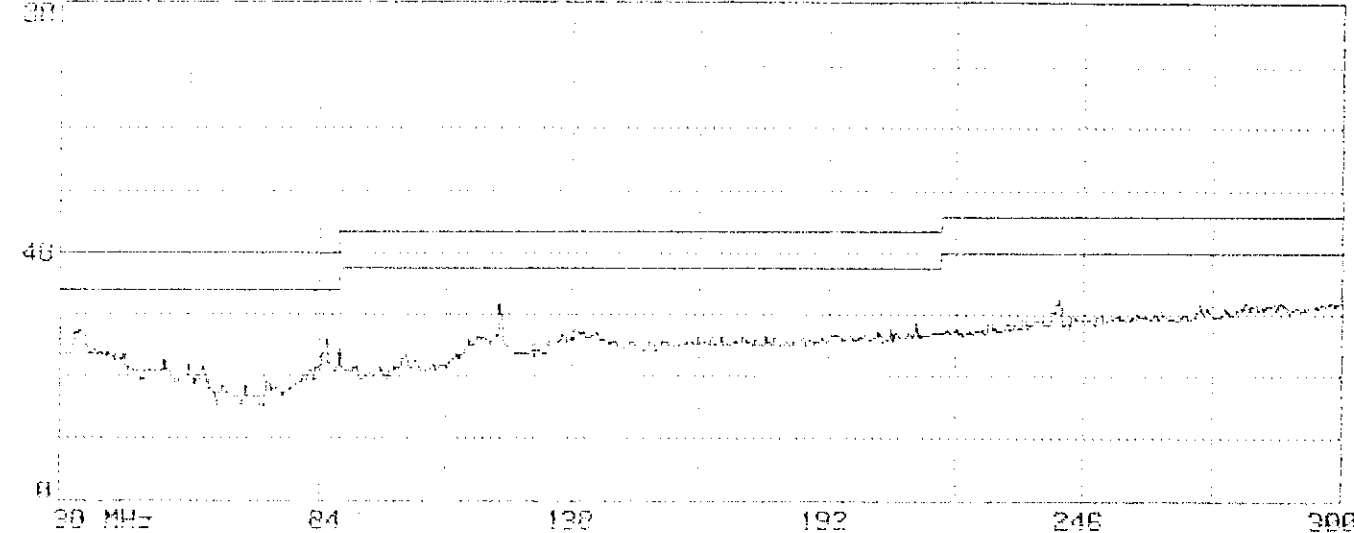


30 MHz 84 138 192 246 300  
 Limit : FCC CLASS-B 3m Probe: BB091060(A3)1223 HORIZONTAL  
 EUT : MONITOR M/N:5V1r Power : 120Vac/60Hz  
 Margin: 6dB Standard: 0 Trace: 25, 0, 0, 0, 0  
 Memo : 31.47KHz(640\*480;60Hz)

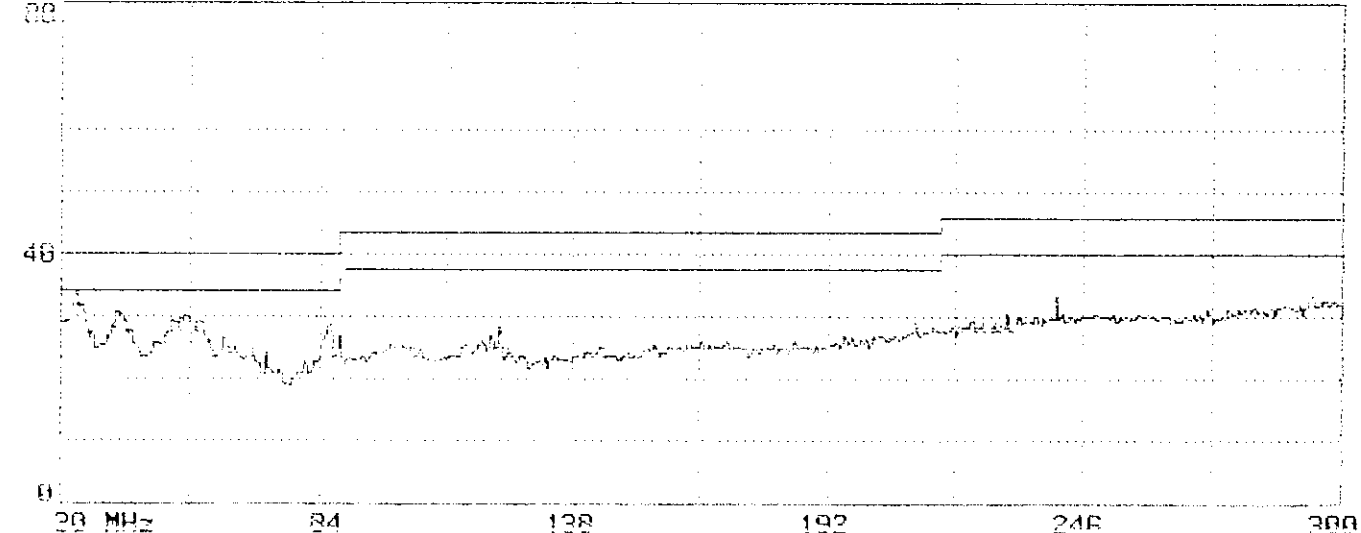


30 MHz 84 138 192 246 300  
 Limit : FCC CLASS-B 3m Probe: BB091060(A3)1223 VERTICAL  
 EUT : MONITOR M/N:5V1r Power : 120Vac/60Hz  
 Margin: 6dB Standard: 0 Trace: 26, 0, 0, 0, 0  
 Memo : 31.47KHz(640\*480;60Hz)

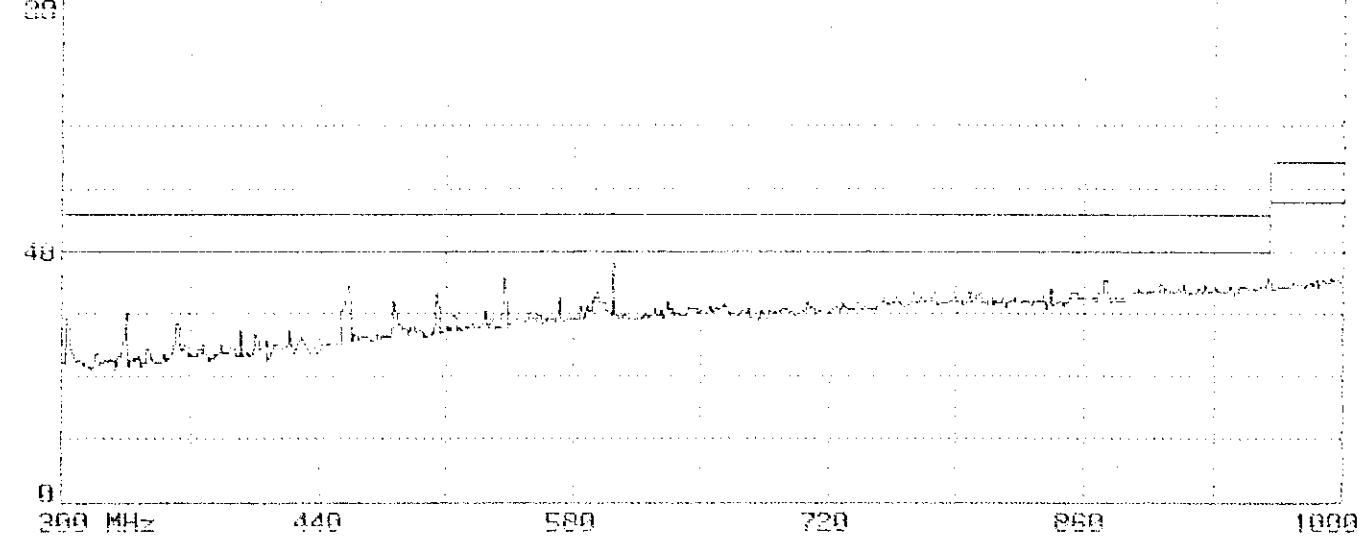




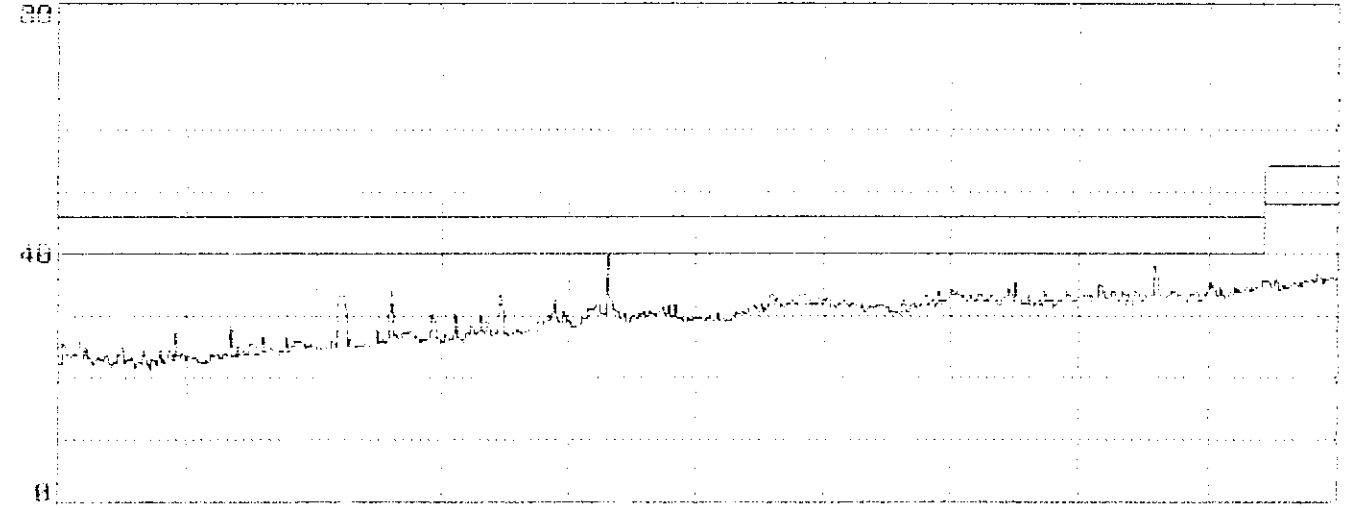
Limit : FCC CLASS-B 3m  
 EUT : MONITOR M/N:5011  
 Margin: 6dB Standard: G  
 Memo : 37.5kHz (640\*480:75Hz)  
 Probe: B0091080(A0)1223 HORIZONTAL  
 Power: 120Vac/60Hz  
 Trace: 23, 0, 0, 0, 0



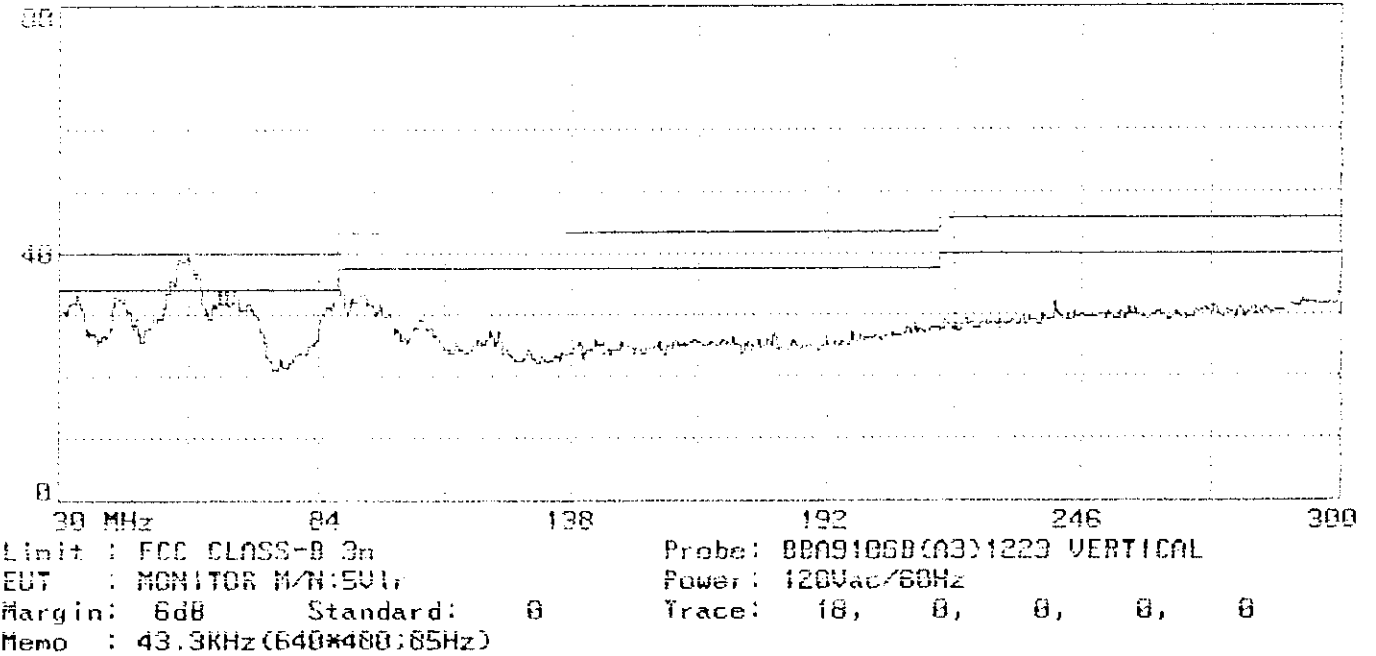
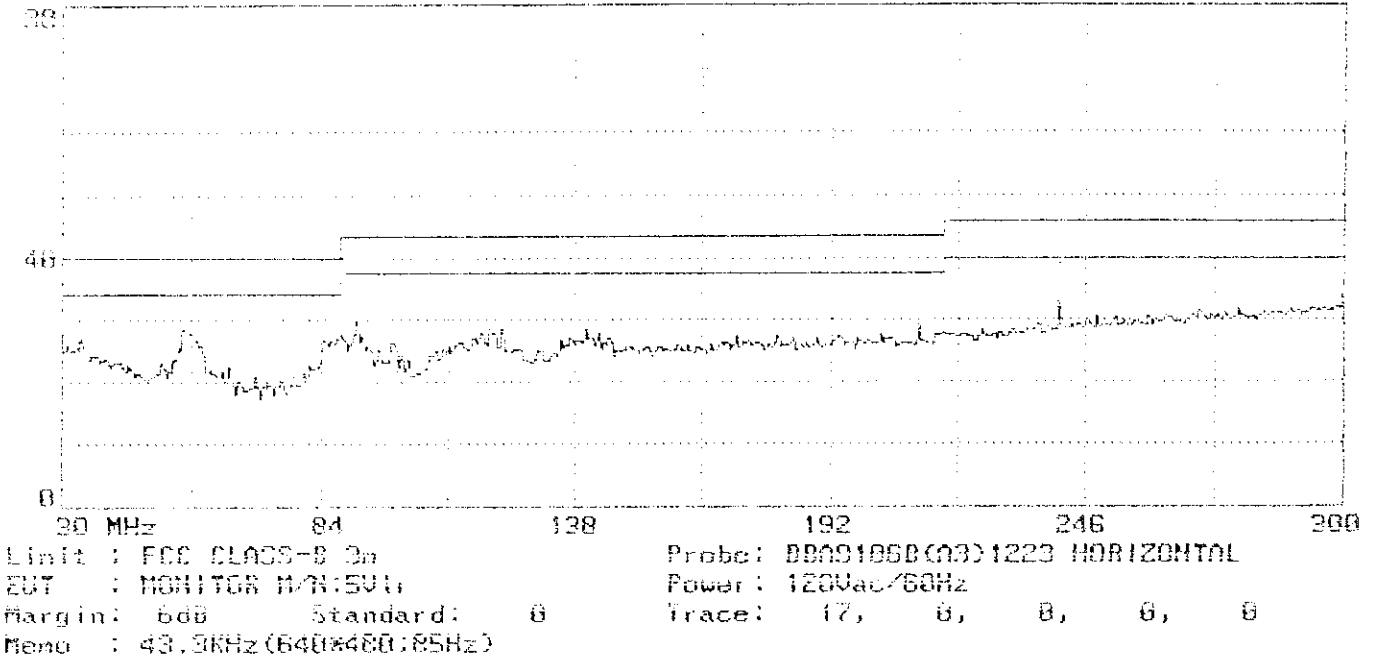
Limit : FCC CLASS-B 3m  
 EUT : MONITOR M/N:5011  
 Margin: 6dB Standard: G  
 Memo : 37.5kHz (640\*480:75Hz)  
 Probe: B0091080(A0)1223 VERTICAL  
 Power: 120Vac/60Hz  
 Trace: 24, 0, 0, 0, 0

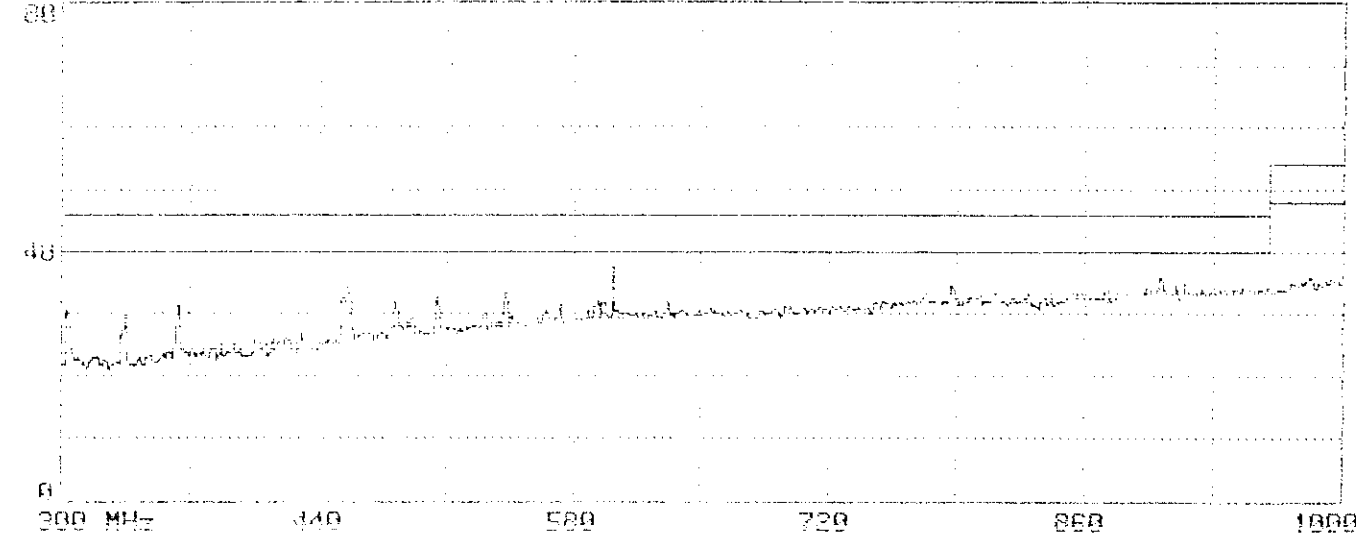


300 MHz 440 580 720 860 1000  
 Limit : FCC CLASS-B 3m Probe: UHNP9107B(A3)1223 HORIZONTAL  
 EUT : MONITOR M/N:5V11 Power : 120Vac/60Hz  
 Margin: 6dB Standard: 0 Trace: 21, 0, 0, 0, 0  
 Memo : 37.5kHz(640\*480;75Hz)

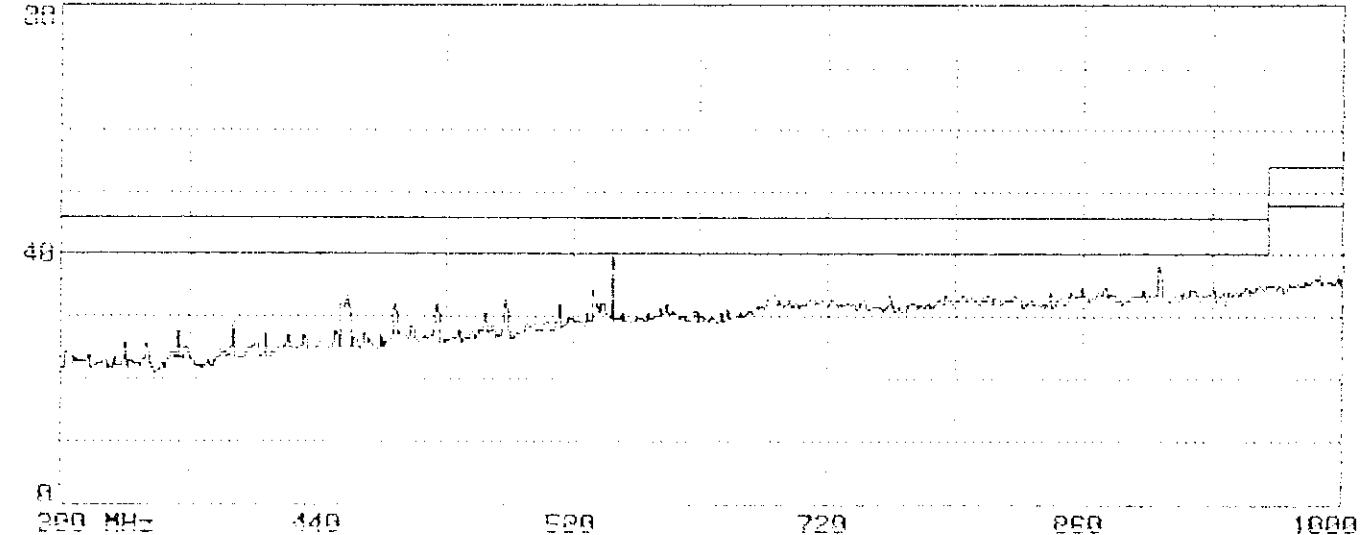


300 MHz 440 580 720 860 1000  
 Limit : FCC CLASS-B 3m Probe: UHNP9107B(A3)1223 VERTICAL  
 EUT : MONITOR M/N:5V11 Power : 120Vac/60Hz  
 Margin: 6dB Standard: 0 Trace: 22, 0, 0, 0, 0  
 Memo : 37.5kHz(640\*480;75Hz)

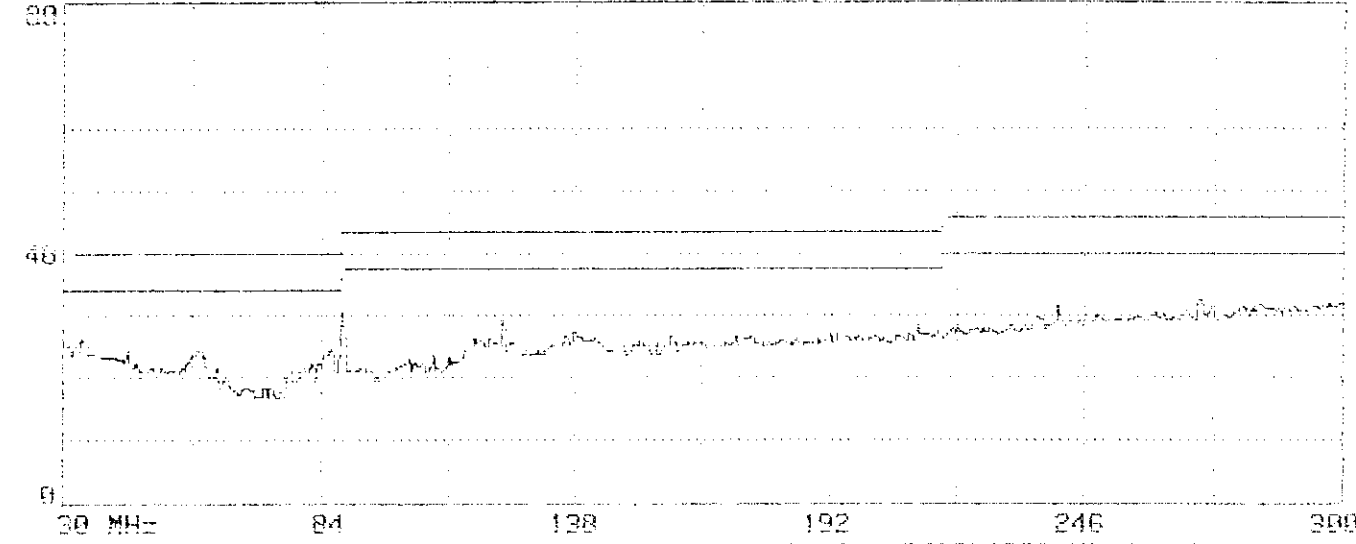




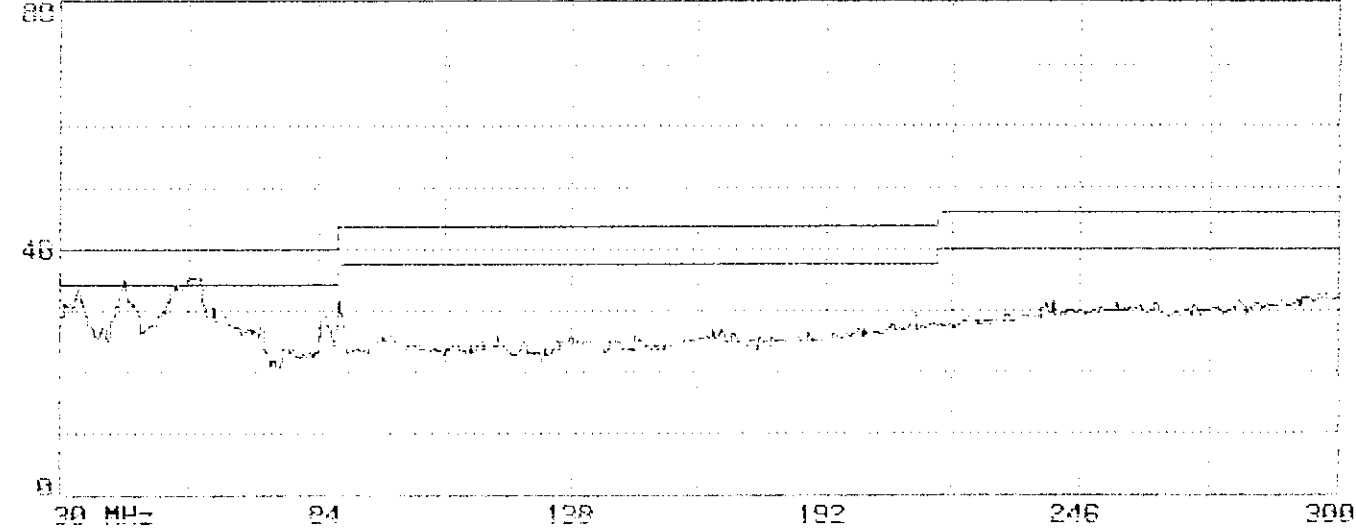
300 MHz 440 580 720 860 1000  
 Limit : FCC CLASS-B 3m  
 EUT : MONITOR M/N:SV11  
 Margin : 6dB Standard: 0  
 Memo : 43.3KHz (640\*480;85Hz)  
 Probe: UNALP91078(O3)1223 HORIZONTAL  
 Power: 120Vac/60Hz  
 Trace: 15, 0, 0, 0, 0



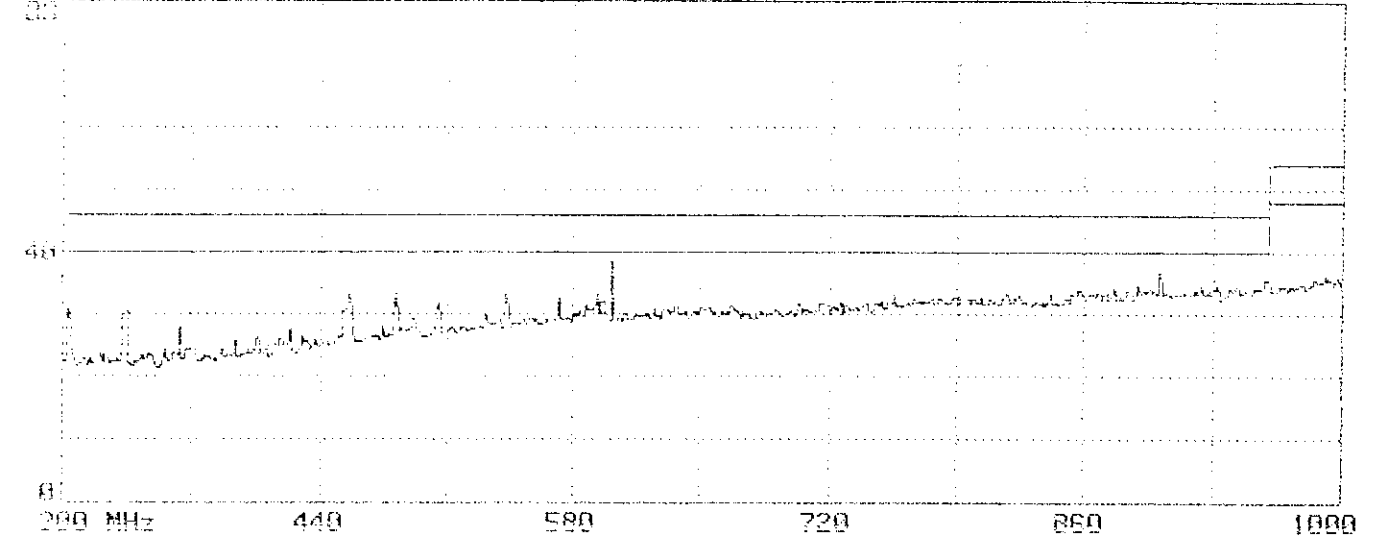
300 MHz 440 580 720 860 1000  
 Limit : FCC CLASS-B 3m  
 EUT : MONITOR M/N:SV11  
 Margin : 6dB Standard: 0  
 Memo : 43.3KHz (640\*480;85Hz)  
 Probe: UNALP91078(O3)1223 VERTICAL  
 Power: 120Vac/60Hz  
 Trace: 20, 0, 0, 0, 0



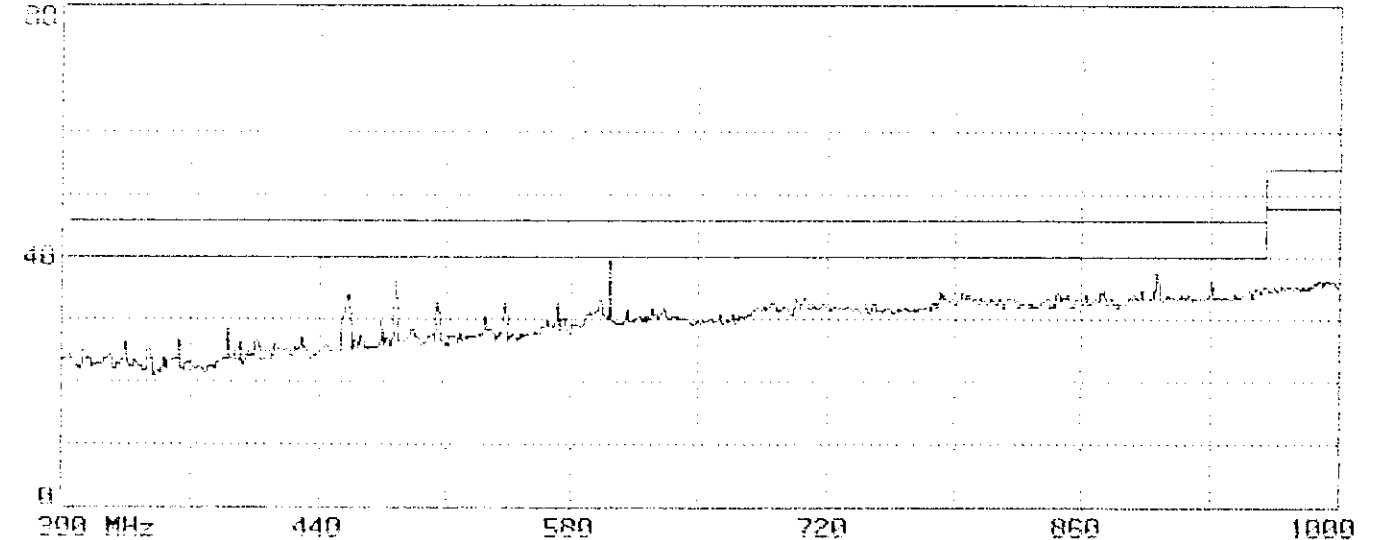
Limit : FCC CLASS-B 3m Probe: BB091050(A3)1223 HORIZONTAL  
 EUT : MONITOR M/N:5V1 Power : 120Vac/60Hz  
 Margin: 6dB Standard: 0 Trace: 15, 0, 0, 0, 0  
 Memo : 46.87KHz (800\*600;75Hz)



Limit : FCC CLASS-B 3m Probe: BB091050(A3)1223 VERTICAL  
 EUT : MONITOR M/N:5V1 Power : 120Vac/60Hz  
 Margin: 6dB Standard: 0 Trace: 16, 0, 0, 0, 0  
 Memo : 46.87KHz (800\*600;75Hz)

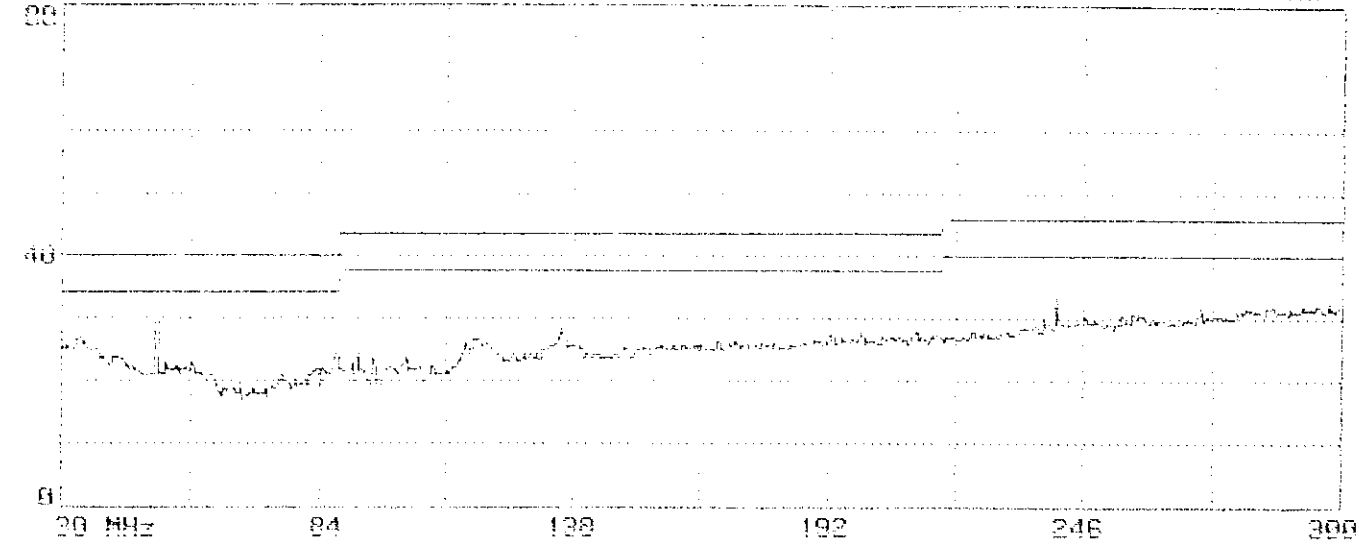


Limit : FCC CLASS-B 3m Probe: UHALP9107B(A3)1223 HORIZONTAL  
EUT : MONITOR N/N:5U1r Power : 120Vac/60Hz  
Margin: 6dB Standard: 0 Trace: 13, 0, 0, 0, 0  
Memo : 46.87kHz(800\*600;75Hz)

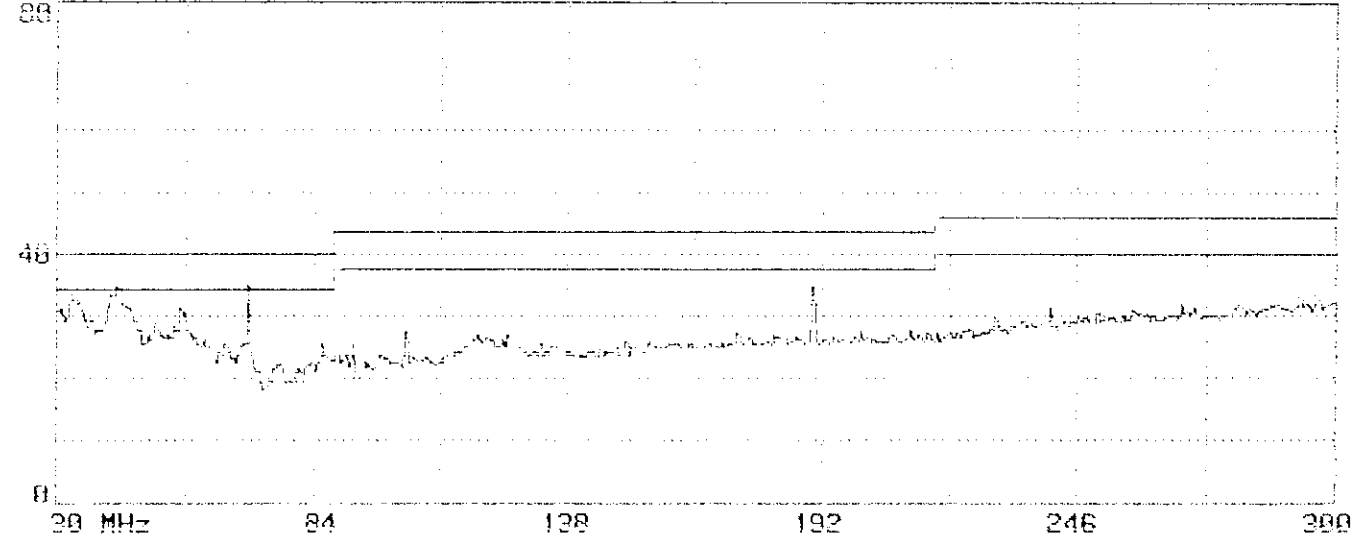


Limit : FCC CLASS-B 3m Probe: UHALP9107B(A3)1223 VERTICAL  
EUT : MONITOR N/N:5U1r Power : 120Vac/60Hz  
Margin: 6dB Standard: 0 Trace: 14, 0, 0, 0, 0  
Memo : 46.87kHz(800\*600;75Hz)

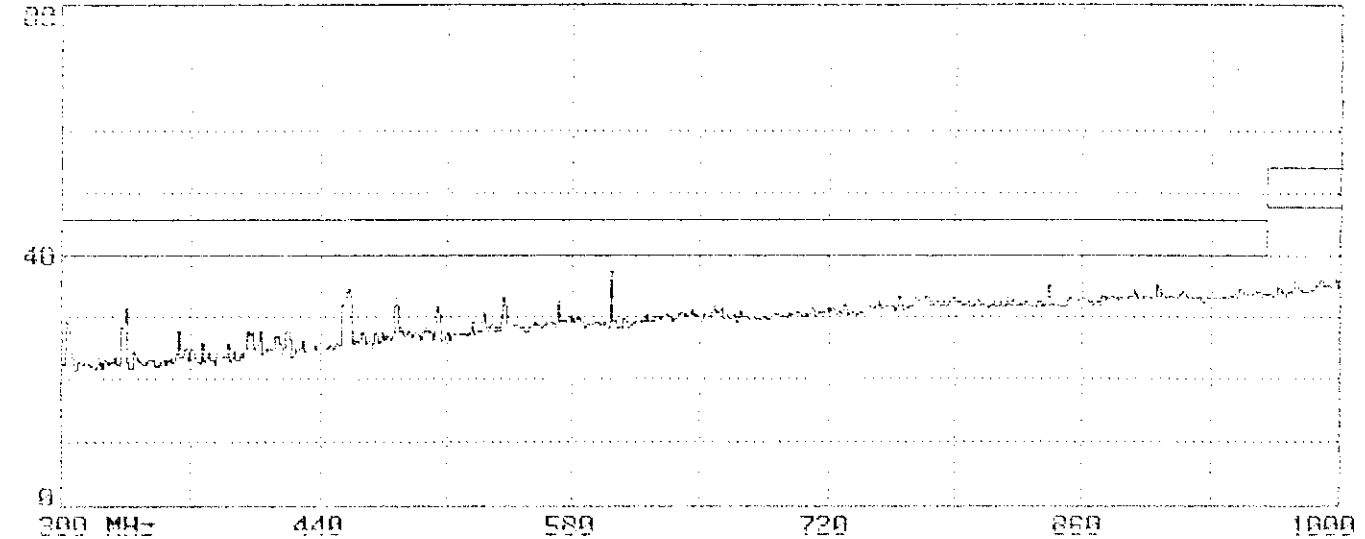




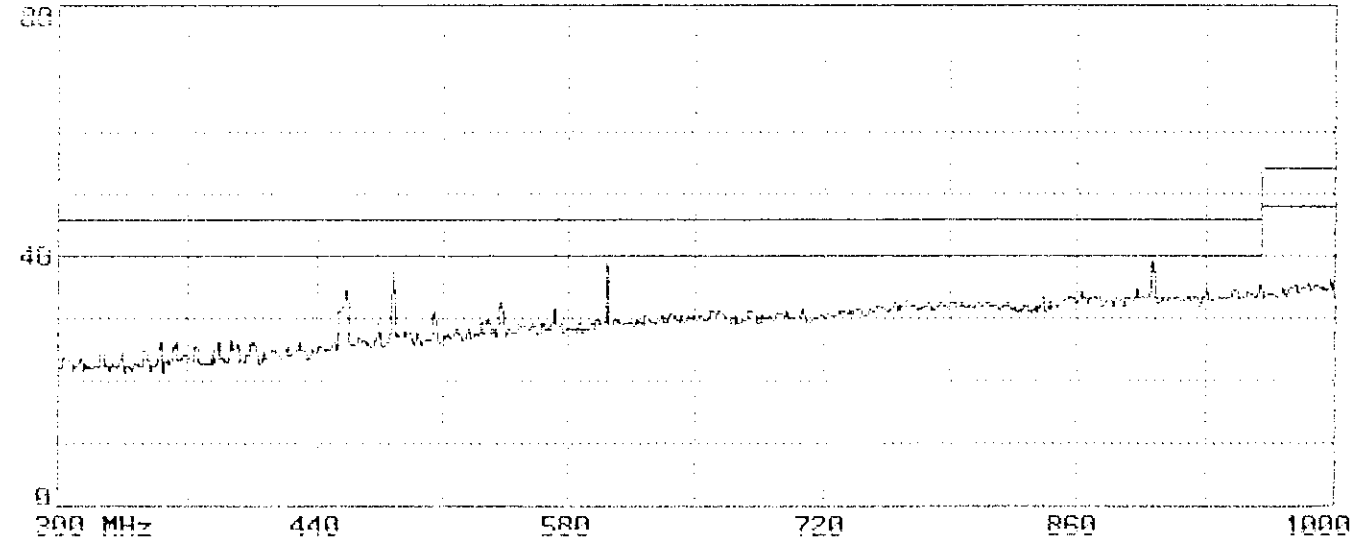
Limit : FCC CLASS-B 3m  
EUT : MONITOR M/N:SVU  
Margin: 6dB Standard: 0  
Memo : 53.67kHz (800\*600;85Hz)  
Probe: 800910SB(03)1223 HORIZONTAL  
Power: 120Vac/60Hz  
Trace: 9, 0, 0, 0, 0



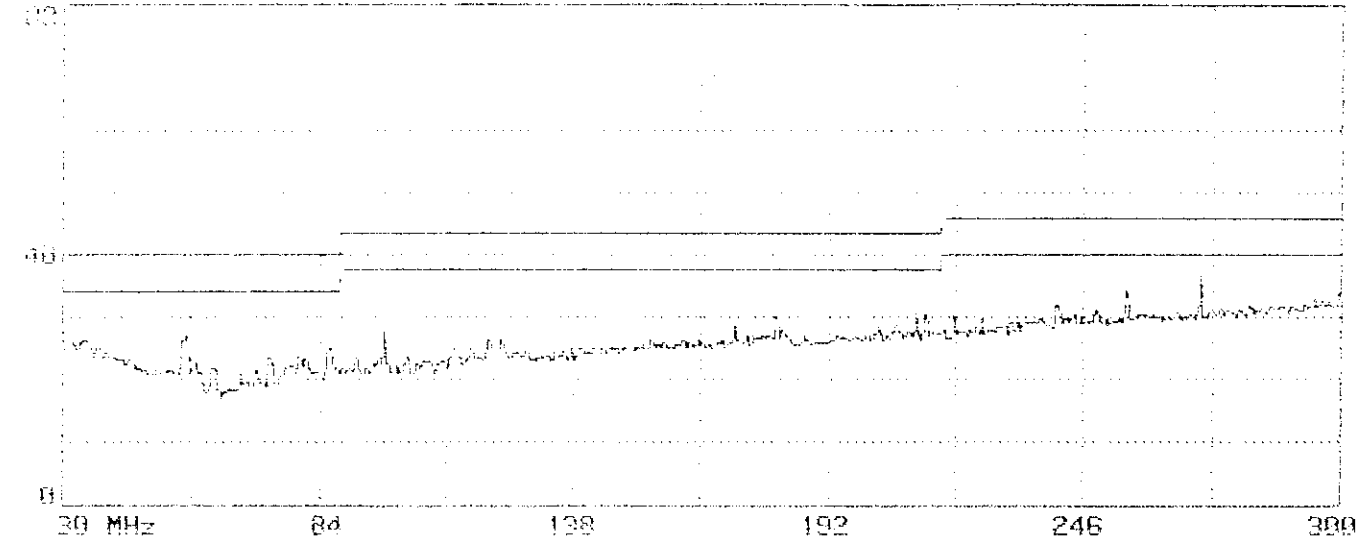
Limit : FCC CLASS-B 3m  
EUT : MONITOR M/N:SVU  
Margin: 6dB Standard: 0  
Memo : 53.67kHz (800\*600;85Hz)  
Probe: 800910SB(03)1223 VERTICAL  
Power: 120Vac/60Hz  
Trace: 10, 0, 0, 0, 0



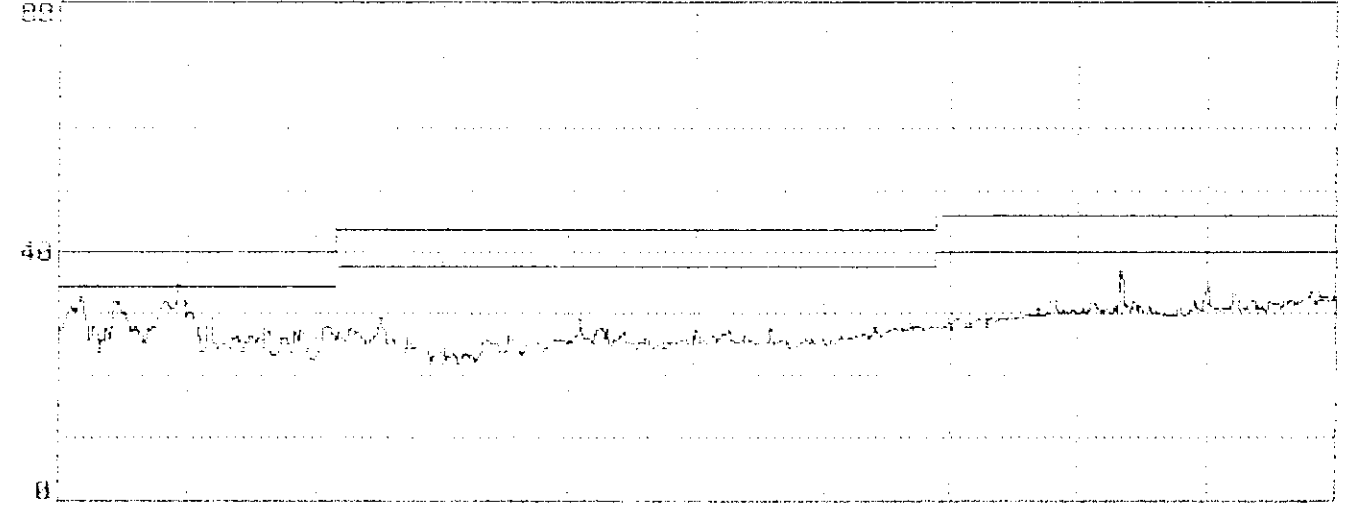
Limit : FCC CLASS-B 3m Probe: UNALP9107B(A3)1223 HORIZONTAL  
 EUT : MONITOR M/N:5V1 Power : 120Vac/60Hz  
 Margin: 6dB Standard: 0 Trace: 11, 0, 0, 0, 0  
 Memo : 53.67kHz(800\*600;85Hz)



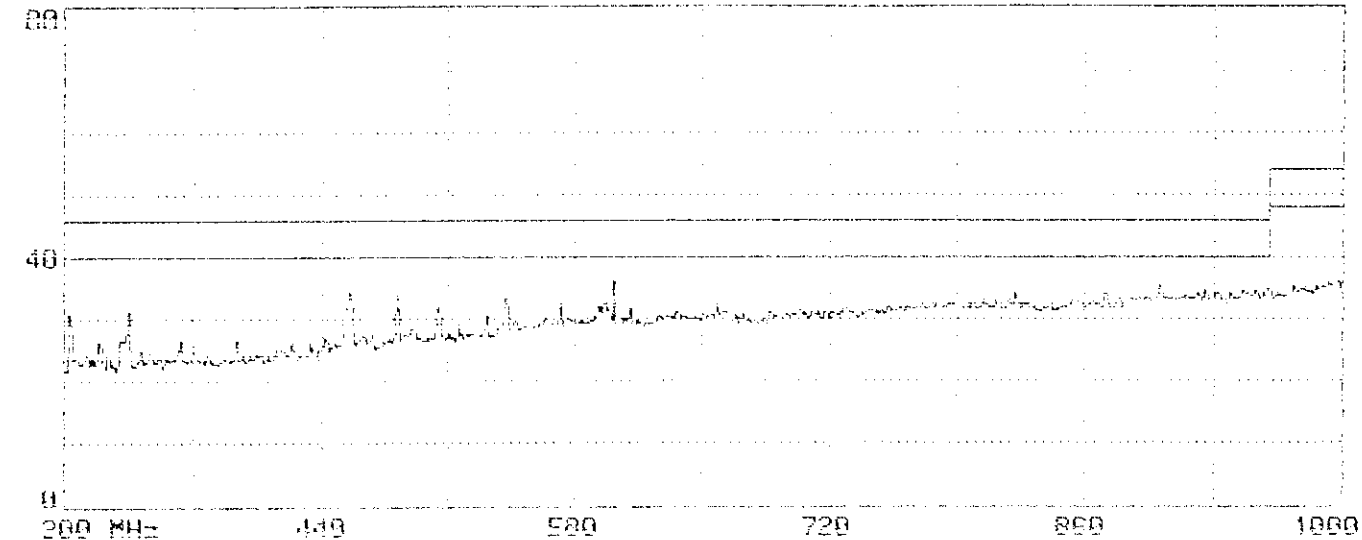
Limit : FCC CLASS-B 3m Probe: UNALP9107B(A3)1223 VERTICAL  
 EUT : MONITOR M/N:5V1 Power : 120Vac/60Hz  
 Margin: 6dB Standard: 0 Trace: 12, 0, 0, 0, 0  
 Memo : 53.67kHz(800\*600;85Hz)



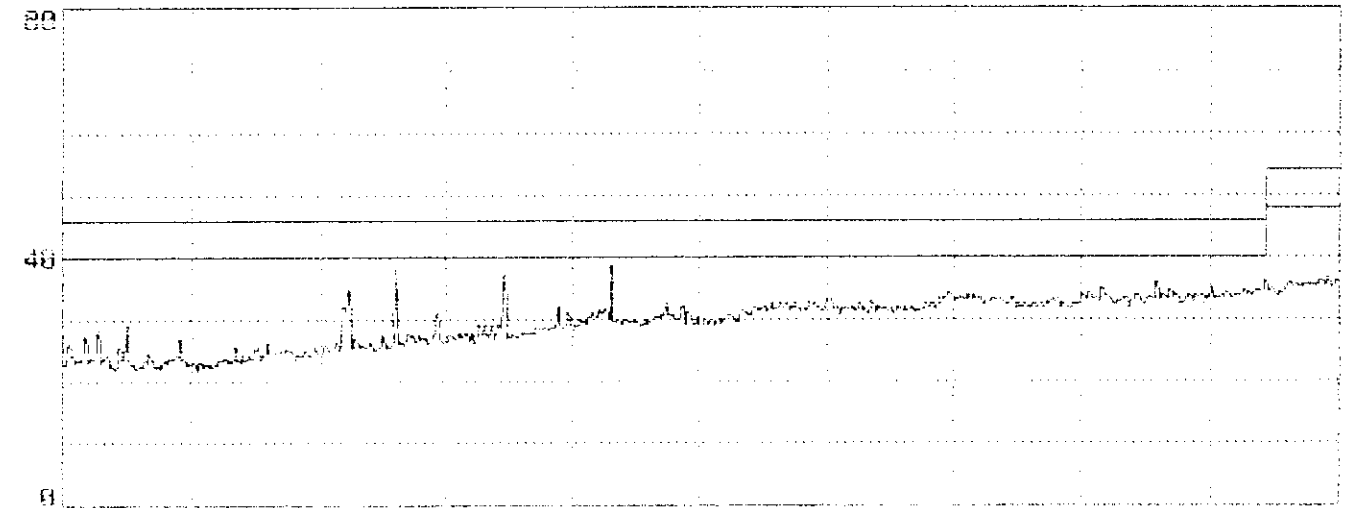
Limit : FCC CLASS-B 3m Probe: BBA9106B(A3)1223 HORIZONTAL  
 EUT : MONITOR M/W:501r Power: 120Vac/60Hz  
 Margin: 6dB Standard: 0 Trace: 7, 0, 0, 0, 0  
 Memo : 60KHz(1024\*768;75Hz)



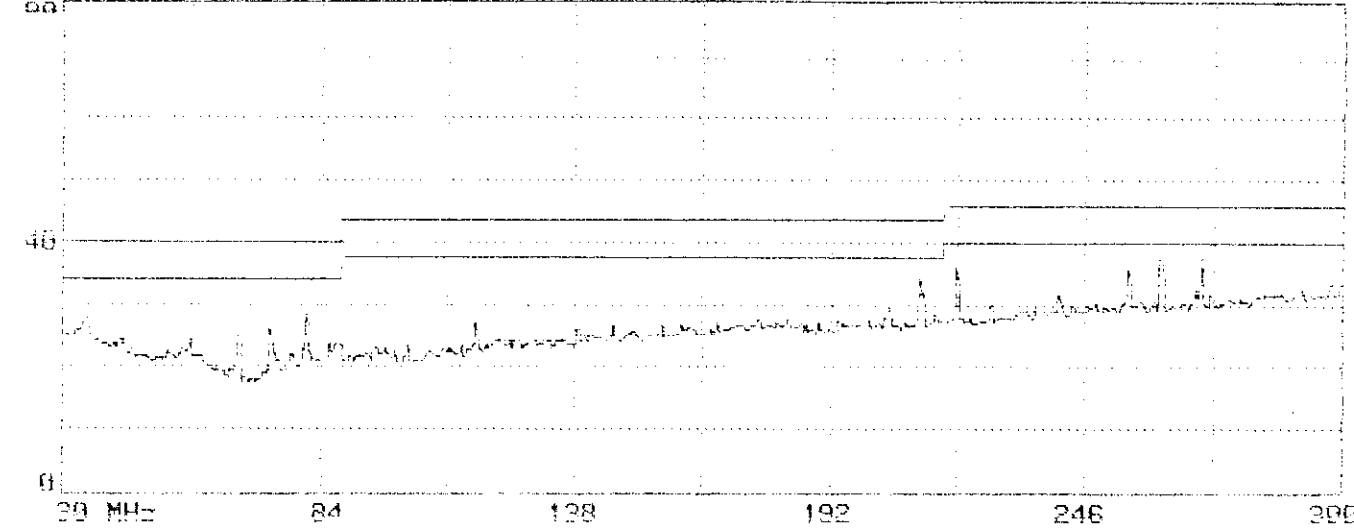
Limit : FCC CLASS-B 3m Probe: BBA9106B(A3)1223 VERTICAL  
 EUT : MONITOR M/W:501r Power: 120Vac/60Hz  
 Margin: 6dB Standard: 0 Trace: 0, 0, 0, 0, 0  
 Memo : 60KHz(1024\*768;75Hz)



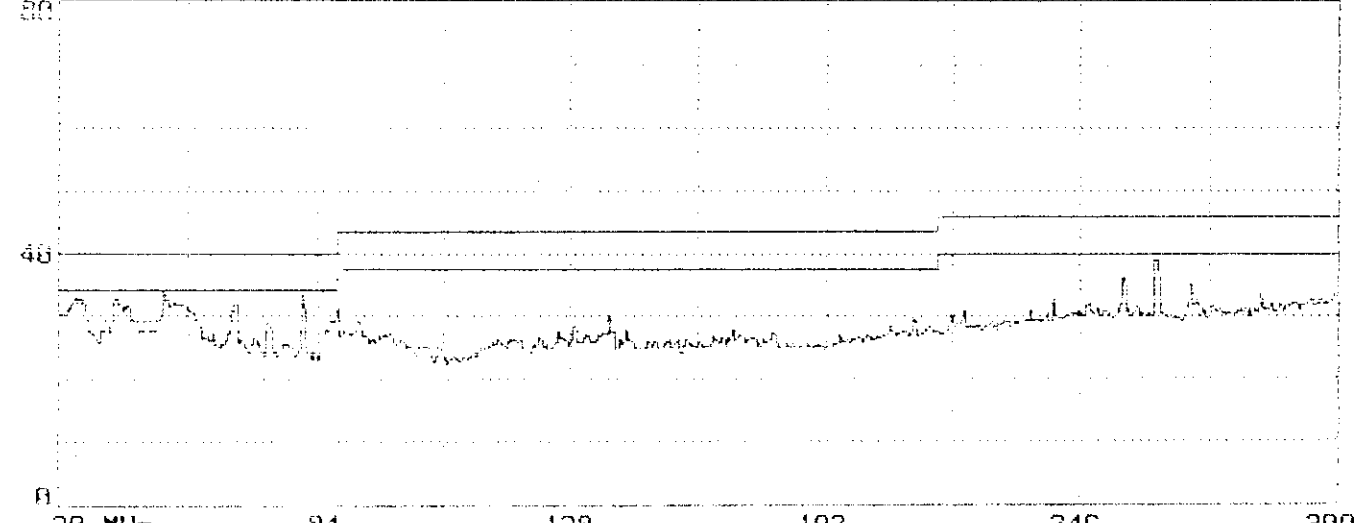
200 MHz      400      500      700      800      1000  
 Limit : FCC CLASS-B 3m      Probe: UMKLP51078 (03)1223 HORIZONTAL  
 EUT : MONITOR M/N:SV11      Power : 120Vac/60Hz  
 Margin: 6dB      Standard: 0      Trace: 5, 0, 0, 0, 0  
 Memo : 60KHz (1024\*768;75Hz)



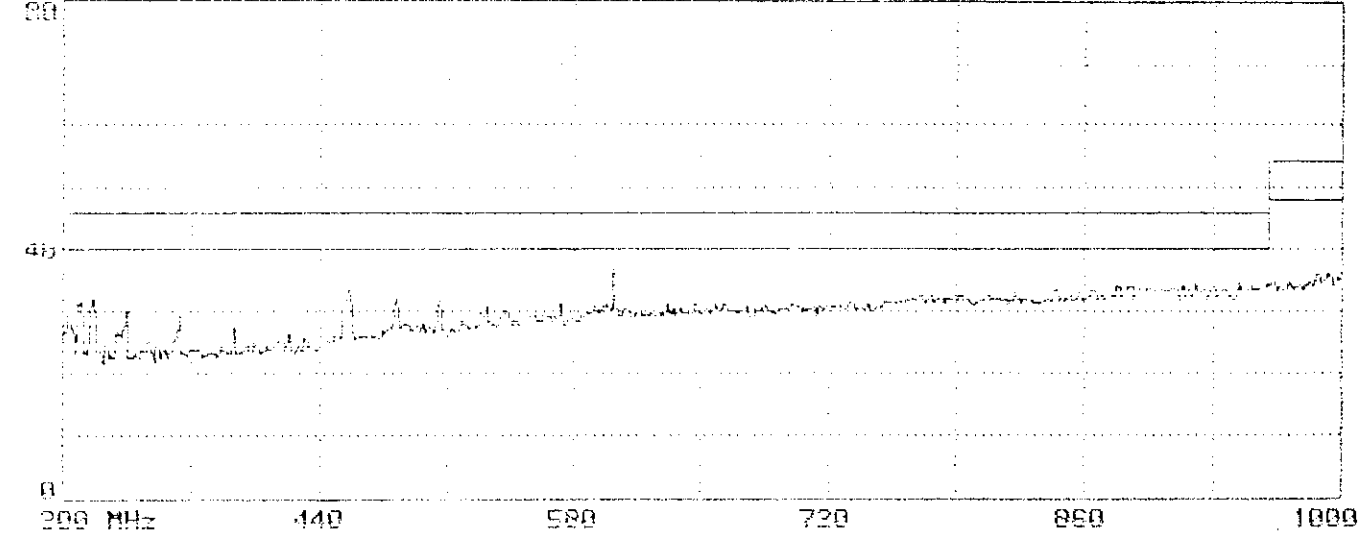
200 MHz      400      500      700      800      1000  
 Limit : FCC CLASS-B 3m      Probe: UMKLP51078 (03)1223 VERTICAL  
 EUT : MONITOR M/N:SV11      Power : 120Vac/60Hz  
 Margin: 6dB      Standard: 0      Trace: 6, 0, 0, 0, 0  
 Memo : 60KHz (1024\*768;75Hz)



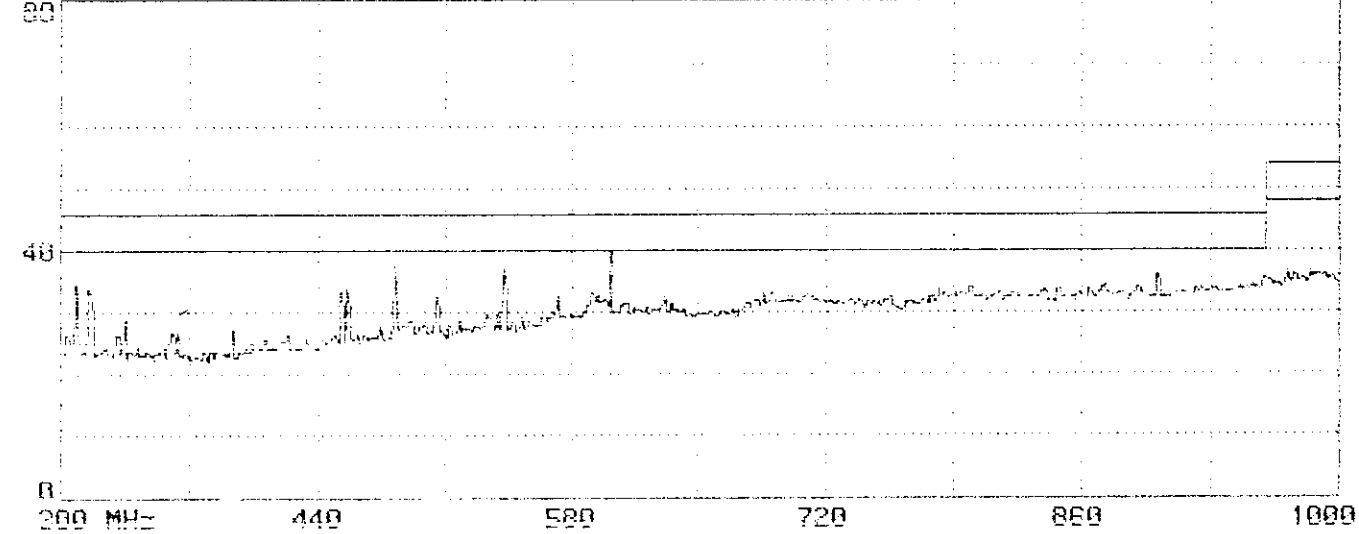
Limit : FCC CLASS-B 3m Probe: 80091068 (03) 1223 HORIZONTAL  
EUT : MONITOR N/N:5V1; Power : 120Vac/60Hz  
Margin: 6dB Standard: 0 Trace: i, 0, 0, 0, 0  
Memo : 68.68KHz (1024\*768;85Hz)



Limit : FCC CLASS-B 3m Probe: 80091068 (03) 1223 VERTICAL  
EUT : MONITOR N/N:5V1; Power : 120Vac/60Hz  
Margin: 6dB Standard: 0 Trace: 2, 0, 0, 0, 0  
Memo : 68.68KHz (1024\*768;85Hz)



200 MHz      440      580      720      860      1000  
 Limit : FCC CLASS-B 3m      Probe: UNALP9107B(03)1223 HORIZONTAL  
 EUT : MONITOR N/A:5V11      Power: 120Vac/60Hz  
 Margin: 6dB      Standard: 0      Trace: 3, 0, 0, 0, 0  
 Memo : 68.68KHz(1024\*768;85Hz)



200 MHz      440      580      720      860      1000  
 Limit : FCC CLASS-B 3m      Probe: UNALP9107B(03)1223 VERTICAL  
 EUT : MONITOR N/A:5V11      Power: 120Vac/60Hz  
 Margin: 6dB      Standard: 0      Trace: 4, 0, 0, 0, 0  
 Memo : 68.68KHz(1024\*768;85Hz)