



**APPLICATION FOR CERTIFICATION**

**On Behalf of**

**ViewSonic Corporation**

**15" Multi-Scan Color Monitor**

**Model : VCDTS21403-2\***

**FCC ID : GSS15024**

**Prepared for : ViewSonic Corporation  
381 Brea Canyon Rd., Walnut,  
CA 91789, U.S.A.**

**Prepared By : Taiwan Tokin EMC Eng. Corp.  
No. 53-11, Tin-Fu Tsun, Lin-Kou,  
Taipei Hsien, Taiwan, R.O.C.**

**Tel: (02) 2609-9301, 2609-2133**

**File Number : ATM-G98677  
Report Number : TTEMC-F98177  
Date of Test : Nov. 19 ~ 21, 1998  
Date of Report : Nov. 25, 1998**

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APPENDIX I (Conducted Test Data)

APPENDIX II (Radiated Test Data at Anechoic Chamber)

## TEST REPORT CERTIFICATION

Applicant : ViewSonic Corporation  
 Manufacturer : Matsushita Electric (Taiwan) Co., Ltd.  
 FCC ID : GSS15024  
 EUT Description : 15" Multi-Scan Color Monitor  
 (A) MODEL NO. : VCDTS21403-2\*  
 (B) SERIAL NO. : N/A  
 (C) POWER SUPPLY : AC 120V/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 showed that the EUT to be technically compliance with the FCC official limits.

This report applied 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 : Nov. 19 ~ 21, 1998

Prepared by : Monica Chang Nov. 25, 98'  
 (MONICA CHANG)

Test Engineer : Allen Wang 11/26, 1998  
 (ALLEN WANG)

Approve & Authorized Signer :

Jackie Deng 11/26 '98  
 (JACKIE DENG)

# 1. GENERAL INFORMATION

## 1.1. Description of Device (EUT)

Description	:	15" Multi-Scan Color Monitor
Model Number	:	VCDTS21403-2*
Serial Number	:	N/A
Applicant	:	ViewSonic Corporation 381 Brea Canyon Rd., Walnut, CA 91789, U.S.A.
Manufacturer	:	Matsushita Electric (Taiwan) Co., Ltd. 579 Yuan San Road, Chung-Ho, Taipei Hsien 23506, Taiwan, R.O.C.
CRT	:	Samsung, M/N M36QAM351X111 S/N B15 80901559
Data Cable	:	Non-Shielded, Undetachable, 1.8m Bonded a ferrite core
Power Cord	:	Non-Shielded, Detachable, 1.8m
Date of Receipt of Sample	:	Nov. 18, 1998
Date of Test	:	Nov. 19 ~ 21, 1998

## 1.2. Tested Supporting System Details

### 1.2.1. PERSONAL COMPUTER

Model Number	:	PC763
Serial Number	:	TA421U7881
FCC ID	:	AO9-PC76X
Manufacturer	:	Digital
Switching Power Supply	:	Astec M/N SA-201-3440
Floppy Driver	:	Teac Corp. 3.5" M/N FD-235HF
VGA Card	:	Sixgraph Computing Ltd. M/N Wiz 924 S/N 189477 FCC ID JYOWIZ01
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	:	5121
Serial Number	:	J83300819
FCC ID	:	E5XKBM104M10UC
Manufacturer	:	Behavior Tech Computer Corp.
Data Cable	:	Shielded, Undetachable, 1.0m

### 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	:	DM-1414
Serial Number	:	980034396
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 : DM-1414  
 Serial Number : 980034395  
 FCC ID : IFAXDM1414  
 Manufacturer : Accex  
 Data Cable : Shielded, Detachable, 1.2m  
 Power Adapter : Amigo, Model AM-91000A  
 Non-Shielded, Undetachable, 1.8m

## 1.2.6. MOUSE

Model Number : M-S35  
 Serial Number : LZA82103138  
 FCC ID : DZL211029  
 Manufacturer : Logitech  
 Data Cable : Non-Shielded, Undetachable, 1.8m

## 1.2.7. MICROPHONE

Model Number : UDM-111  
 Serial Number : N/A  
 Manufacturer : Uni-Directional  
 Data Cable : Shielded, Undetachable, 1.5m

## 1.2.8. HEADPHONE W/ MIC

Model Number : MI-2  
 Serial Number : N/A  
 Manufacturer : N/A  
 Data Cable : Non-Shielded, Undetachable, 1.7m

## 1.2.9. WALKMAN

Model Number : KT-V760  
 Serial Number : N/A  
 Manufacturer : Toshiba Corp.  
 Data Cable : Non-Shielded, Detachable, 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.
Site Description (Anechoic Chamber)	:	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

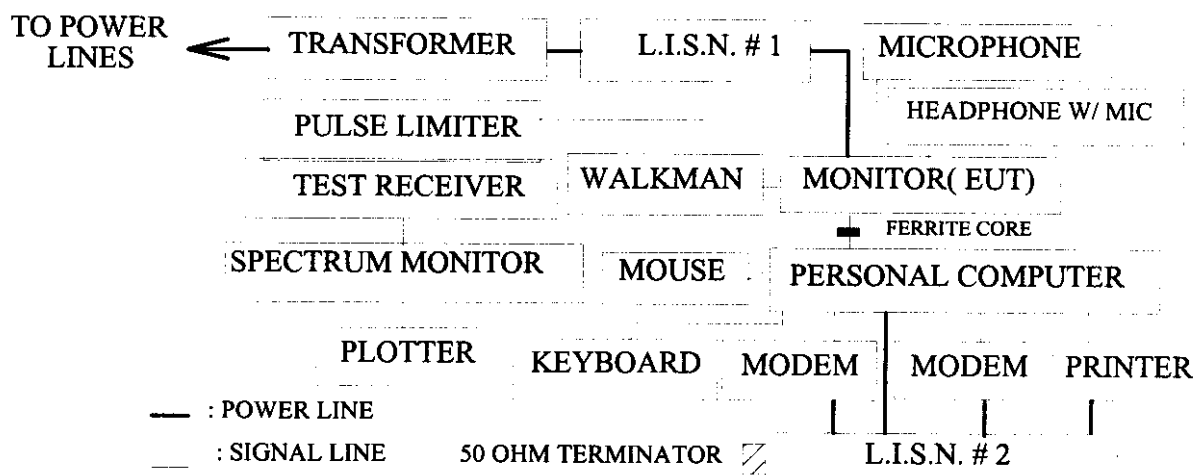
### 2.1. Test Equipment

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

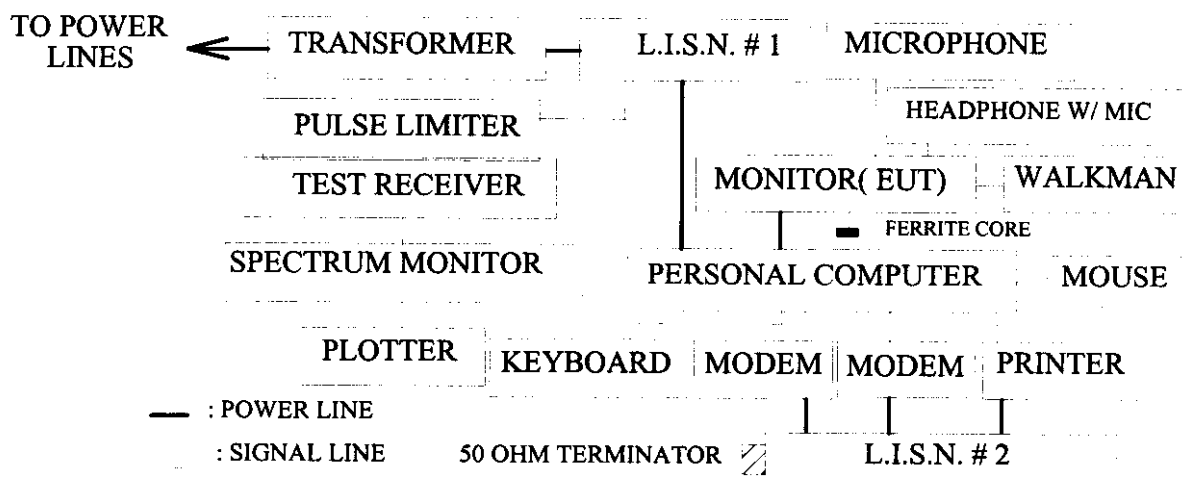
Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Test Receiver	Rohde & Schwarz	ESH3	880647/035	Jun.24, 98'	1 Year
2.	L.I.S.N. # 1	Kyoritsu	KNW-407	8-855-9	Apr.14, 98'	1 Year
3.	L.I.S.N. # 2	Kyoritsu	KNW-407	8-881-13	Apr.14, 98'	1 Year

### 2.2. Block Diagram of Test Setup

#### 2.2.1. EUT Power Connects to L.I.S.N. Directly



#### 2.2.2. EUT Power connects to PC AC Outlet then PC power connects to L.I.S.N.





## 2.6. Test Procedure

The EUT was connected to the power mains through a line impedance stabilization network (L.I.S.N.# 1). The EUT is also connected to PC power outlet then the PC power cord connected to the power mains through a line impedance stabilization network (L.I.S.N # 1.). The other peripheral devices power cord 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 R&S Test Receiver ESH3 was set at 10KHz.

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

The following test modes were done during conducted measurement and reported the each worst test mode (8) (37.9KHz/640\*480, EUT power connected to L.I.S.N.) in the next pages, the others test data are attached within Appendix I.

- (1) 31.5KHz/640\*480
- (2) 37.9KHz/640\*480
- (3) 37.9KHz/800\*600
- (4) 48.1KHz/800\*600
- (5) 48.4KHz/1024\*768
- (6) 58KHz/1024\*768
- (7) 61.6KHz/1280\*960
- (8) 66KHz/1280\*1024

## 2.7. Test Results

**PASSED.** Please refer to the following pages.

## 2.8. 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.

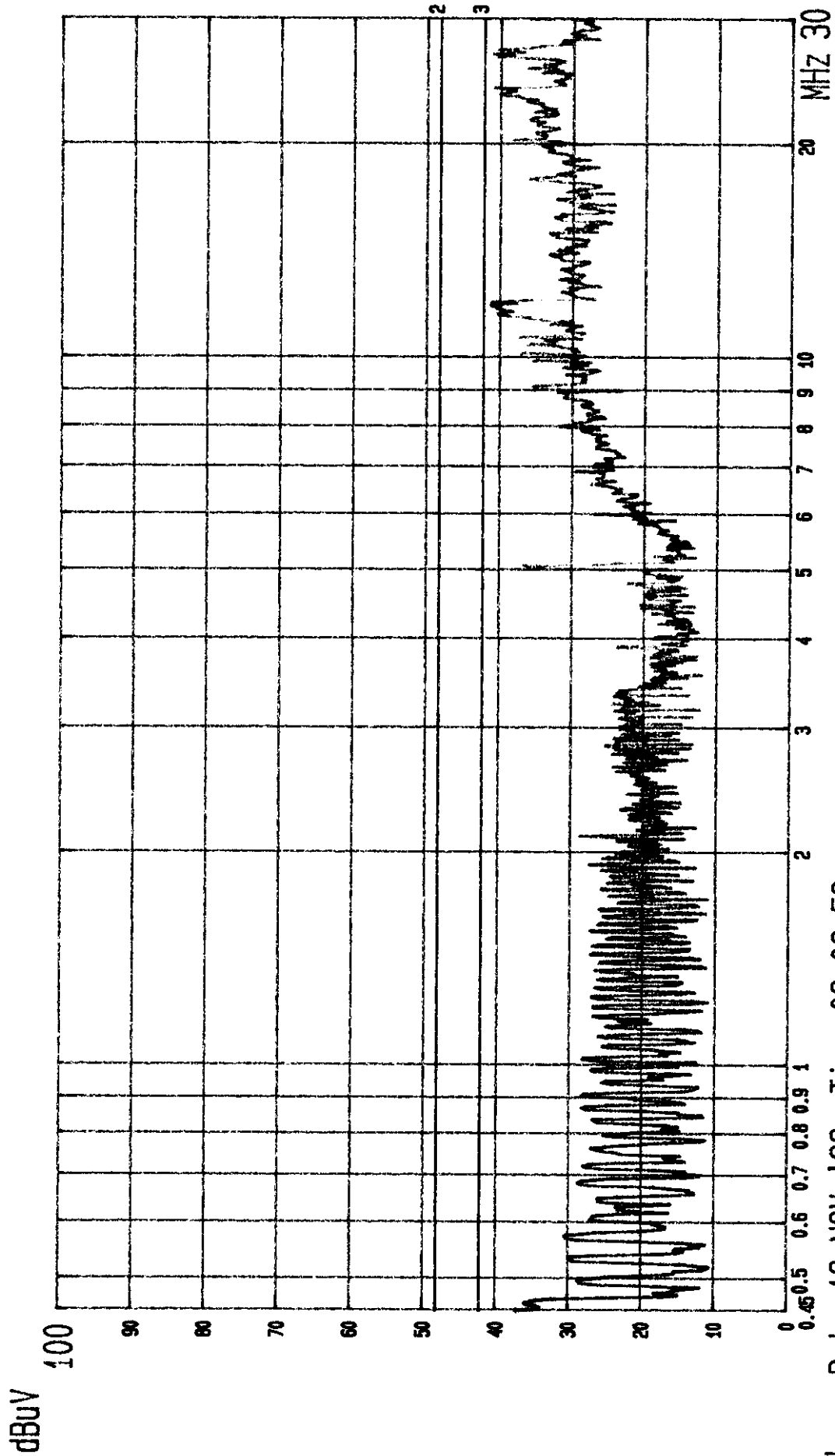
Date of Test : Nov. 19, 1998 Temperature : 24 °C

EUT : 15" Multi-Scan Color Monitor Humidity : 45 %

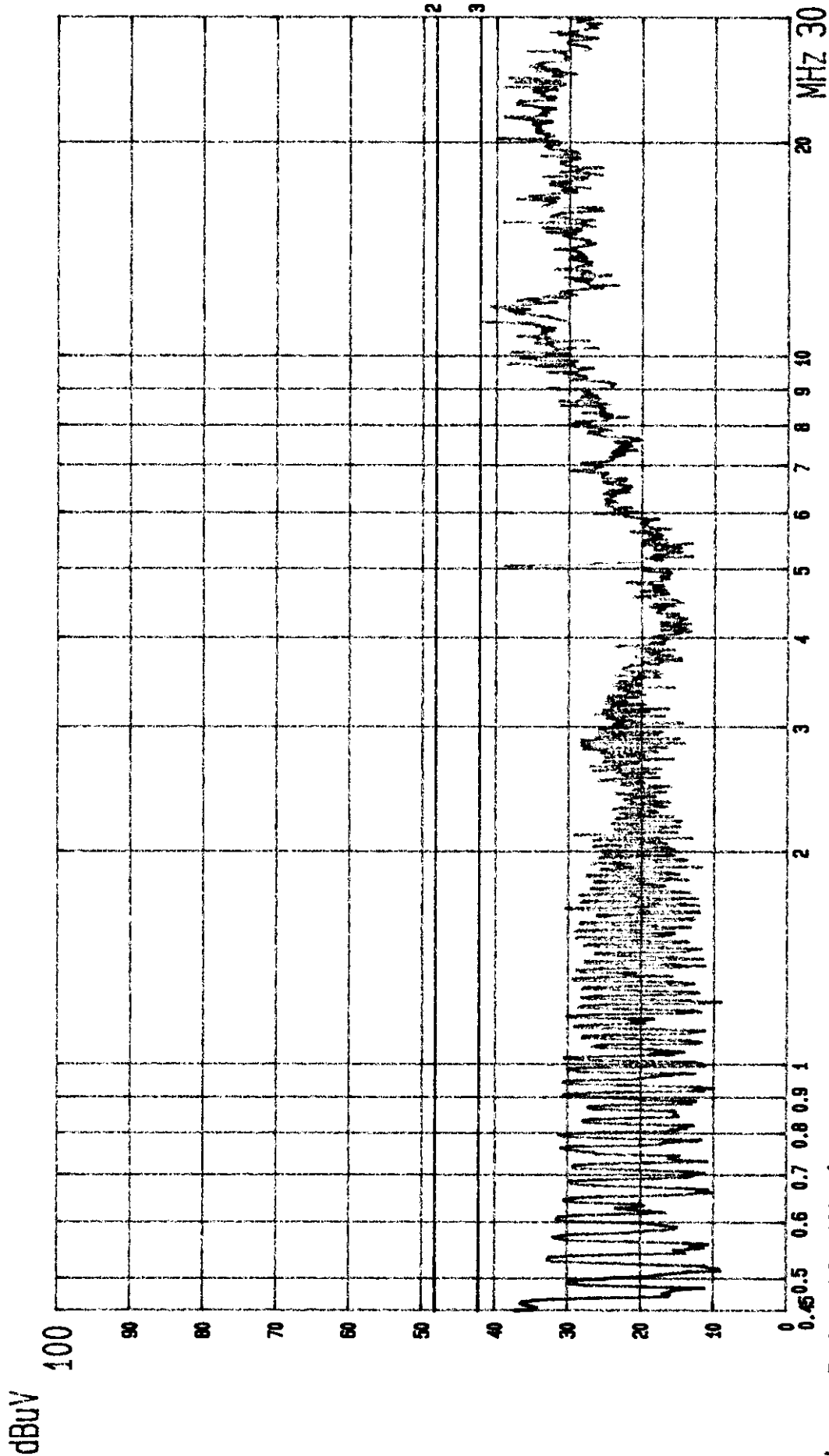
Test Mode : 37.9KHz/640\*480

Frequency (MHz)	Factor dB	Measurement (dBuV)		Reading (dBuV)		Limits (dBuV)	Margin (dBuV)	
		VA	VB	VA	VB		VA	VB
0.4803	0.5	36.5	*	37	*	48.0	11	*
0.4812	0.5	*	35.4	*	35.9	48.0	*	12.1
1.0420	0.8	*	21.6	*	22.4	48.0	*	25.6
1.0423	0.8	22.4	*	23.2	*	48.0	24.8	*
2.2183	0.8	*	23.7	*	24.5	48.0	*	23.5
2.2197	0.8	24.1	*	24.9	*	48.0	23.1	*
4.9962	1.2	*	27.3	*	28.5	48.0	*	19.5
4.9976	1.2	28.4	*	29.6	*	48.0	18.4	*
<b>12.8918</b>	<b>1.4</b>	<b>38.7</b>	*	<b>40.1</b>	*	<b>48.0</b>	<b>7.9</b>	*
12.8923	1.4	*	33.1	*	34.5	48.0	*	13.5
21.8432	1.7	34.5	29.4	36.2	31.1	48.0	11.8	16.9
25.7185	1.7	35.3	26.2	37	27.9	48.0	11	20.1

- Remark :
1. All readings are Quasi-Peak values.
  2. Factor = Insertion Loss + Cable Loss
  3. The worst emission was detected at 12.8918MHz with corrected signal level of 40.1dBuV (limit is 48dBuV) when the VA side of the EUT was connected to L.I.S.N.



--- Date 19.NOV.'98 Time 03:08:52  
VIEW SONIC EUT: MONITOR M/N: VCDTS21403-2\* PAGE: 001.  
LINE: VA. MENO: (640X480; 37.9KHZ) EUT TO LISN (PEAK VALUE) TTEMC.



--- Date 19.NOV.'98 Time 03:10:16  
VIEW SONIC EUT: MONITOR M/N: VC DTS21403-2\* PAGE: 002.  
LINE: VB. MENO: (640X480; 37.9KHz) EUT TO LISN (PEAK VALUE) TTEMC.

### 3. RADIATED EMISSION TEST

#### 3.1. Test Equipment

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

##### 3.1.1. For Anechoic Chamber :

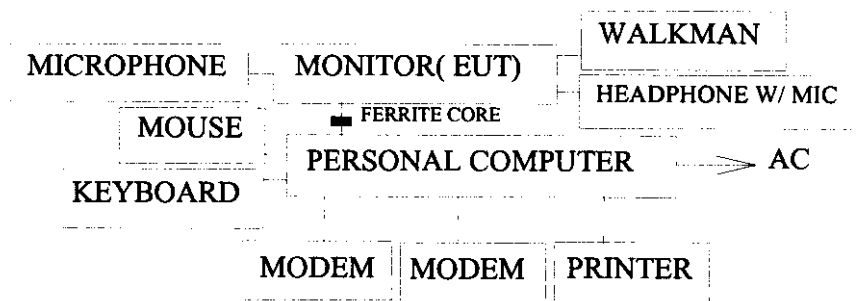
Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum Analyzer	HP	8593A	3212A01727	Jul.25, 98'	1 Year
2.	Pre-Amplifier	HP	8447D	2944A06305	May.13,98'	1 Year
3.	Broadband Antenna	Schwarzbeck	BBA9106	A3L	Dec.24, 97'	1 Year
4.	Broadband Antenna	Schwarzbeck	UHALP9107	A3H	Dec.24, 97'	1 Year

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

Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Test Receiver	Rohde&Schwarz	ESVP	893202/001	Jul.24, 98'	1 Year
2.	Broadband Antenna	Chase	VBA6106A	1240	Jul. 15, 98'	1 Year
3.	Broadband Antenna	Chase	UPA6109	1048	Jul. 15, 98'	1 Year

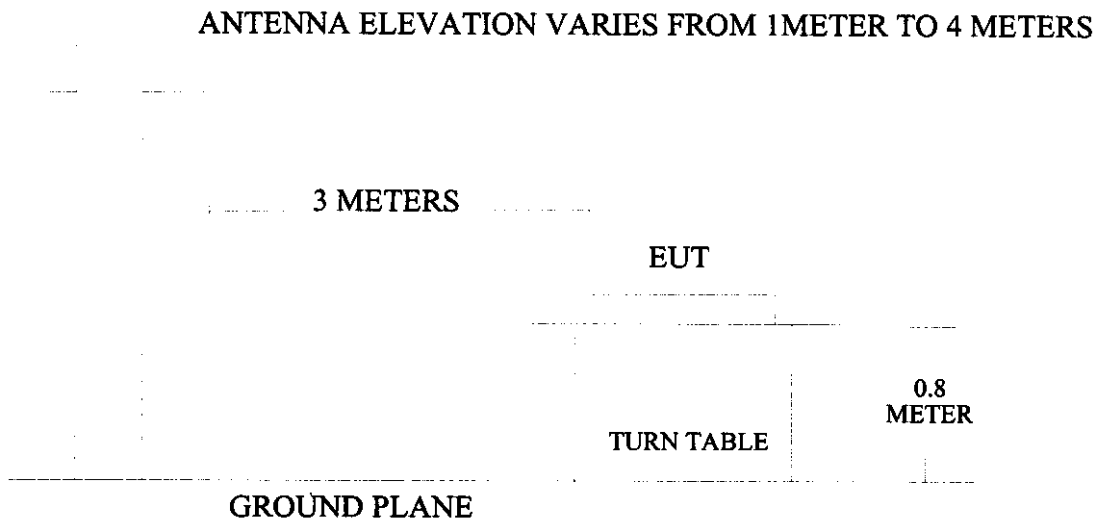
#### 3.2. Block Diagram of Test Setup

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



### 3.2.2. Anechoic Chamber & 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's Configuration during Compliance 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 is 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 rotate 360 degrees to determine the position of the maximum emission level. EUT was set 3 meters away from the receiving antenna which were mounted on a antenna tower. The antenna can move 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 of the R&S Test Receiver ESVP was set at 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) 31.5KHz/640\*480
- (2) 37.9KHz/640\*480
- (3) 37.9KHz/800\*600
- (4) 48.1KHz/800\*600
- (5) 48.4KHz/1024\*768
- (6) 58KHz/1024\*768
- (7) 61.6KHz/1280\*960
- (8) 66KHz/1280\*1024

Finally, re-measured the each worst operating situation (66KHz/1280\*1024) at No. 2 Open Field Test Site and all the test results are listed in section 3.8.

### 3.7. Test Results

**PASSED.** Please refer to the following pages.

### 3.8. Radiated Emission Measurement Results

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

Date of Test : Nov. 21, 1998 Temperature : 23 °C  
 EUT : 15" Multi-Scan Color Monitor Humidity : 81 %  
 Test Mode : 66KHz/1280\*1024

Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading		Limits dBuV/m	Margin dBuV/m
			Horizontal dBuV	Horizontal dBuV/m		
41.315	19.60	2.16	1.40	23.16	40.00	16.84
68.853	11.50	2.85	8.70	23.05	40.00	16.95
123.934	19.57	3.91	5.30	28.78	43.50	14.72
151.476	20.90	4.35	4.80	30.05	43.50	13.45
179.016	21.24	4.74	3.00	28.98	43.50	14.52
206.555	21.61	5.13	-1.60	25.14	43.50	18.36
* 234.098	<b>22.52</b>	<b>5.46</b>	<b>6.10</b>	<b>34.08</b>	<b>46.00</b>	<b>11.92</b>
261.638	23.23	5.83	1.70	30.76	46.00	15.24
289.178	24.60	6.20	2.60	33.40	46.00	12.60
316.719	14.09	6.59	4.30	24.98	46.00	21.02
344.261	15.35	6.90	2.20	24.45	46.00	21.55
371.799	15.41	7.18	0.10	22.69	46.00	23.31
399.341	16.72	7.50	0.90	25.12	46.00	20.88
454.422	17.19	8.11	0.60	25.90	46.00	20.10
481.965	17.09	8.35	0.80	26.24	46.00	19.76
537.044	19.09	9.04	0.40	28.53	46.00	17.47
564.586	19.38	9.23	-2.30	26.31	46.00	19.69
647.210	20.21	10.11	-2.70	27.62	46.00	18.38
702.293	20.61	10.68	-3.30	27.99	46.00	18.01

- Remark :
1. All reading were Quasi-Peak values.
  2. The worst emission was detected at 234.098MHz with corrected signal level of 34.08dBuV/m (limit was 46.0dBuV/m) when the antenna was at horizontal polarization and was at 1m high and the turn table was at 225 ° .
  3. 0 ° is the table front facing the antenna. Degree was calculated from 0 ° clockwise facing the antenna.

Date of Test : Nov. 21, 1998 Temperature : 23 °C  
 EUT : 15" Multi-Scan Color Monitor Humidity : 81 %  
 Test Mode : 66KHz/1280\*1024

Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading		Emission Level Vertical dBuV/m	Limits dBuV/m	Margin dBuV/m
			Vertical dBuV	Vertical dBuV/m			
41.307	18.19	2.16	-0.40	19.95	40.00	20.05	
68.852	13.23	2.85	12.70	28.78	40.00	11.22	
* 123.934	18.50	3.91	12.40	34.81	43.50	8.69	
151.475	19.38	4.35	3.40	27.13	43.50	16.37	
179.018	19.14	4.74	3.70	27.58	43.50	15.92	
206.557	23.63	5.13	-4.50	24.26	43.50	19.24	
234.100	22.48	5.46	7.90	35.84	46.00	10.16	
261.640	21.54	5.83	0.90	28.27	46.00	17.73	
289.179	24.07	6.20	2.60	32.87	46.00	13.13	
316.721	14.69	6.59	4.70	25.98	46.00	20.02	
344.259	15.20	6.90	5.10	27.20	46.00	18.80	
371.801	14.58	7.18	5.00	26.76	46.00	19.24	
399.342	15.99	7.50	4.70	28.19	46.00	17.81	
454.424	17.55	8.11	1.00	26.66	46.00	19.34	
481.964	18.56	8.35	2.30	29.21	46.00	16.79	
509.504	18.60	8.73	2.10	29.43	46.00	16.57	
564.585	19.02	9.23	-0.49	27.76	46.00	18.24	
619.668	20.61	9.80	-0.90	29.51	46.00	16.49	
674.747	19.65	10.39	-2.80	27.24	46.00	18.76	

- Remark :
1. All reading were Quasi-Peak values.
  2. The worst emission was detected at 123.934MHz with corrected signal level of 34.81dBuV/m (limit was 43.5dBuV/m) when the antenna was at vertical polarization and was at 1m high and the turn table was at 130° .
  3. 0° is the table front facing the antenna. Degree was calculated from 0° clockwise facing the antenna.

#### **4. DEVIATIONS TO TEST SPECIFICATIONS**

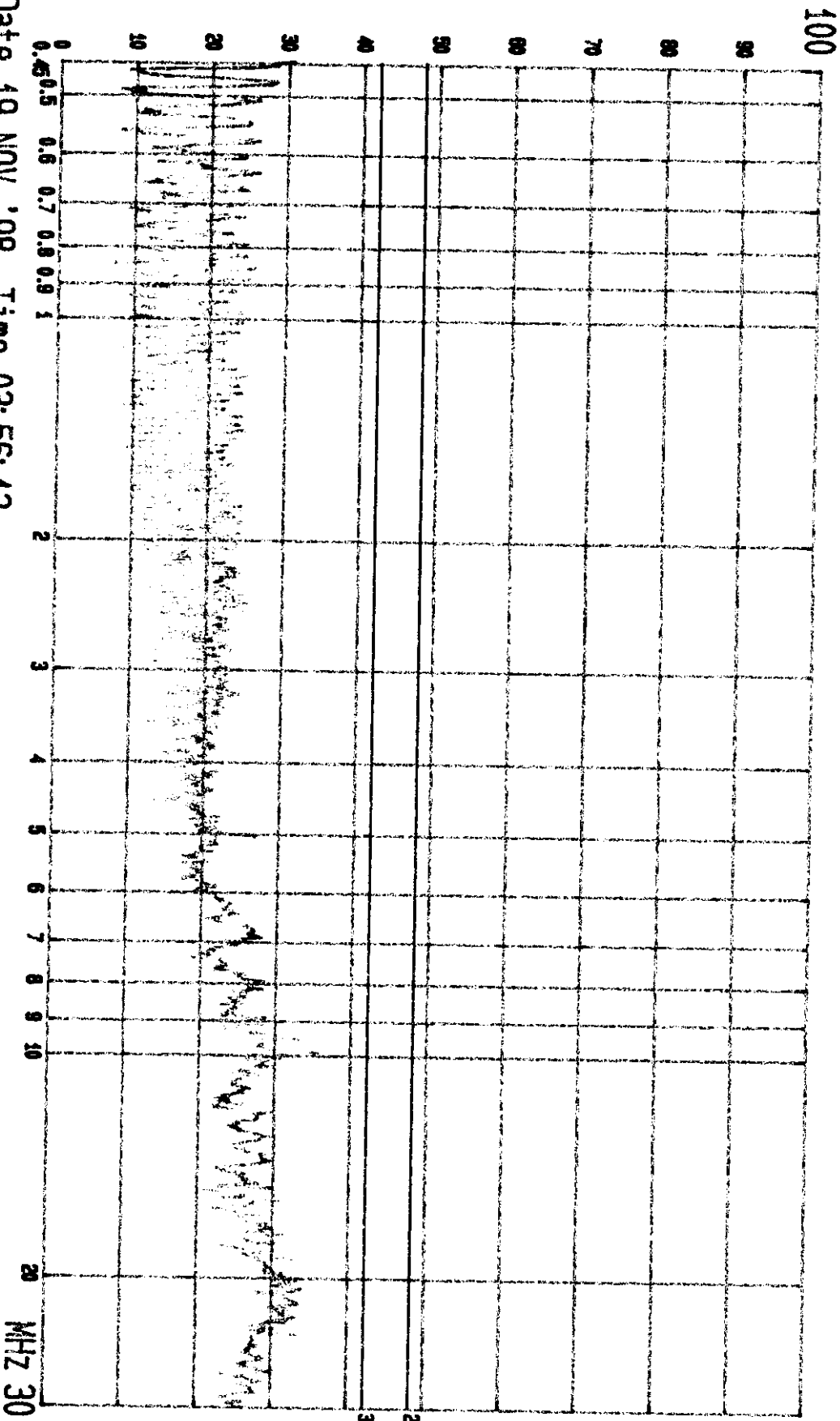
[ NONE ]

APPENDIX I  
Conducted Test Data  
(Total Pages : 30)

10/17/99

REVISION

dBuV



Date 19.NOV.'98

Time 03:56:13

EUT: MONITOR  
MEND: (640X480; 31.5KHZ)

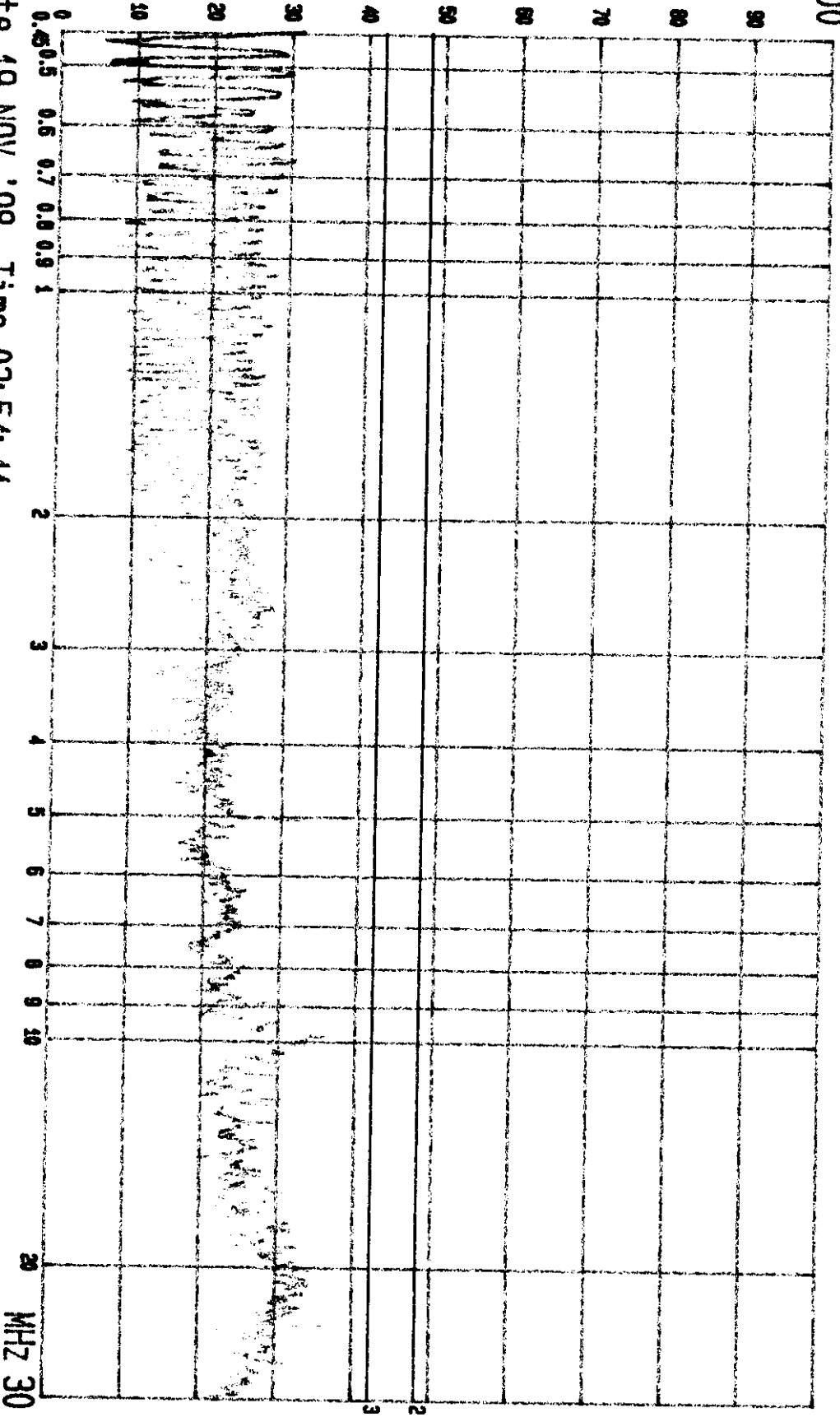
M/N: VCDTS21403-2\*  
EUT TO LISN (PEAK VALUE)

PAGE: 016.  
ITEMC.

VIEW SONIC  
LINE: VA.

dBuV

100



--- Date 19.NOV.'98  
VIEW SONIC  
LINE: VB.

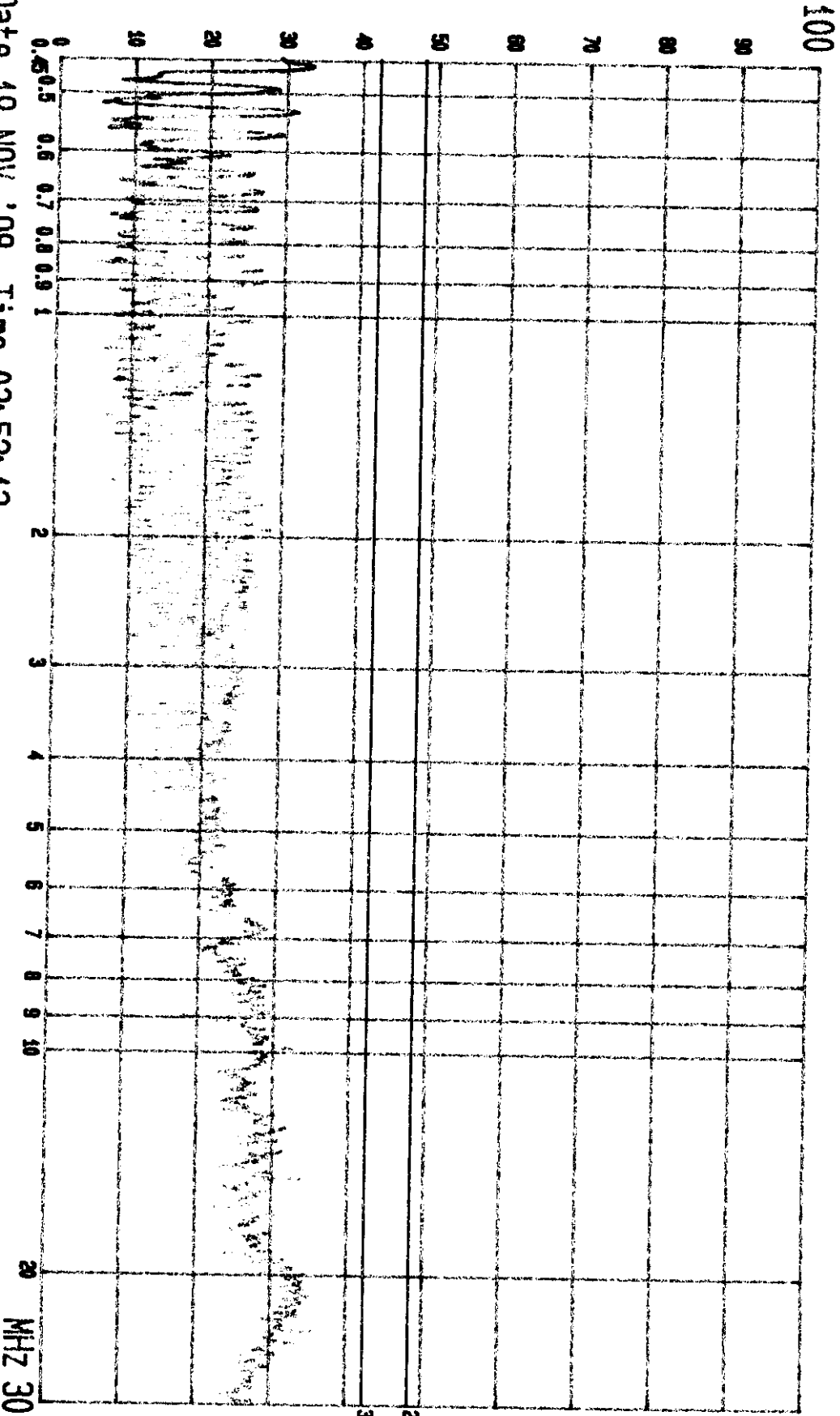
Time 03:54:41

EUT: MONITOR  
MEND: (640X480; 31.5KHZ)

M/N: VCDTS21403-2\*  
EUT TO LISN

PAGE: 015.  
(PEAK VALUE) TTEMC.

dBuV



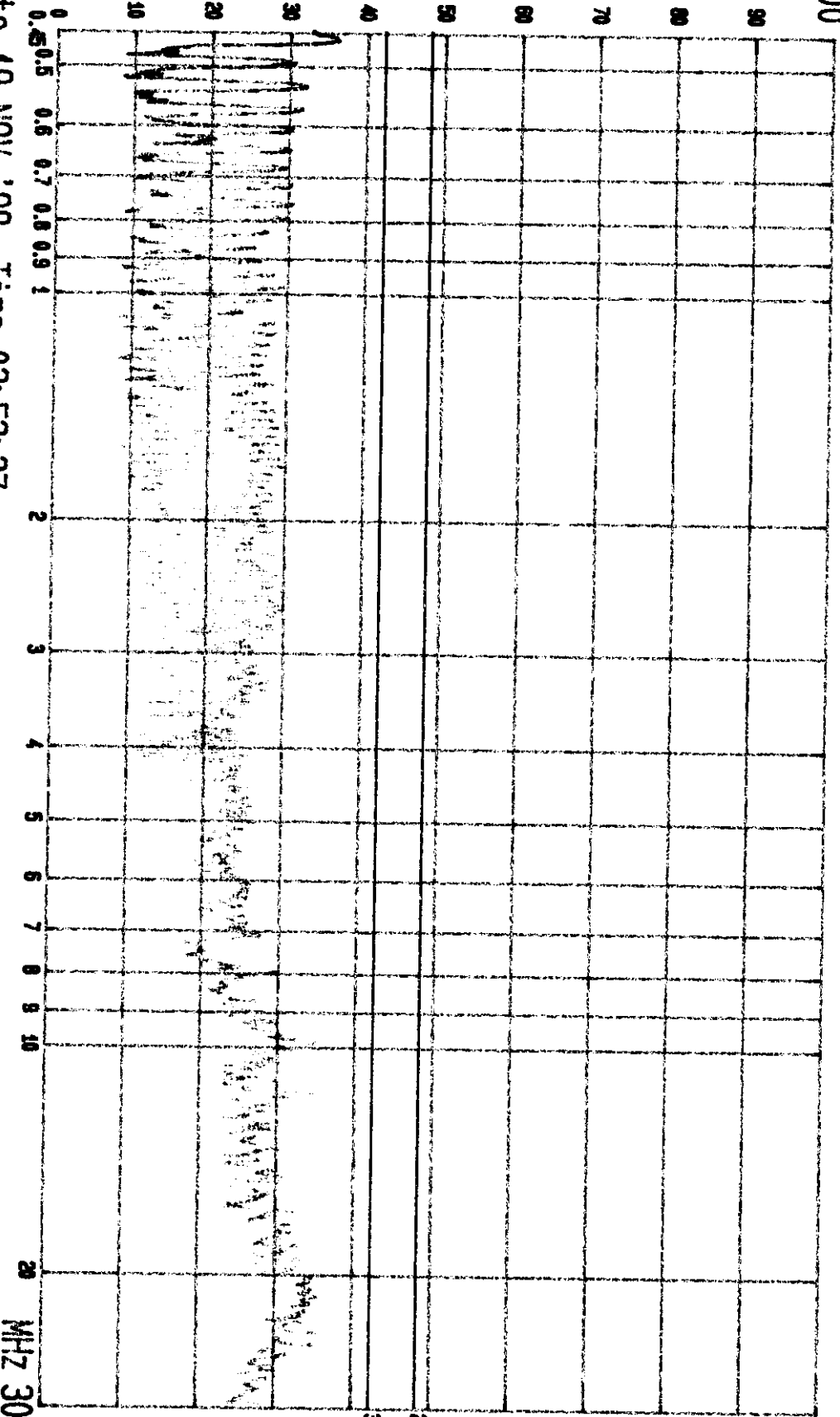
--- Date 19.NOV.'98 Time 03:52:13  
 VIEW SONIC EUT: MONITOR  
 LINE: VA. MEND: (800X600; 37.9KHz)

M/N: VCDTS21403-2\*  
 EUT 10 LISN (PEAK VALUE) TTEMC.  
 PAGE: 013.



dBuV

100



VIEW SONIC  
LINE: VB.

Date 19.NOV.'98

Time 03:53:37

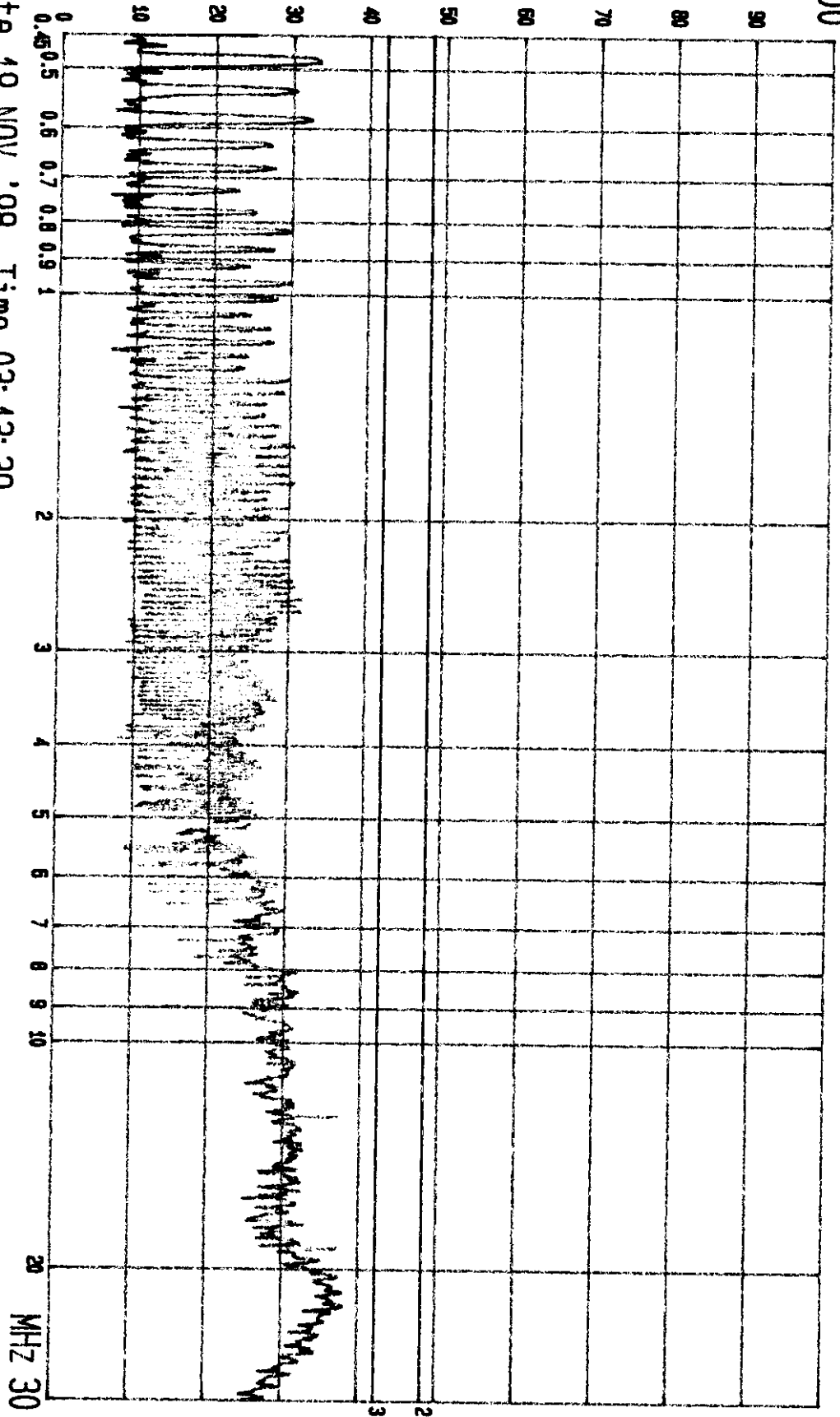
EUT: MONITOR  
MENO: (800X600; 37.9KHZ)

M/N: VCDTS21403-2\*  
EUT TO LISN

PAGE: 014.  
(PEAK VALUE) TTEMC.

dBuV

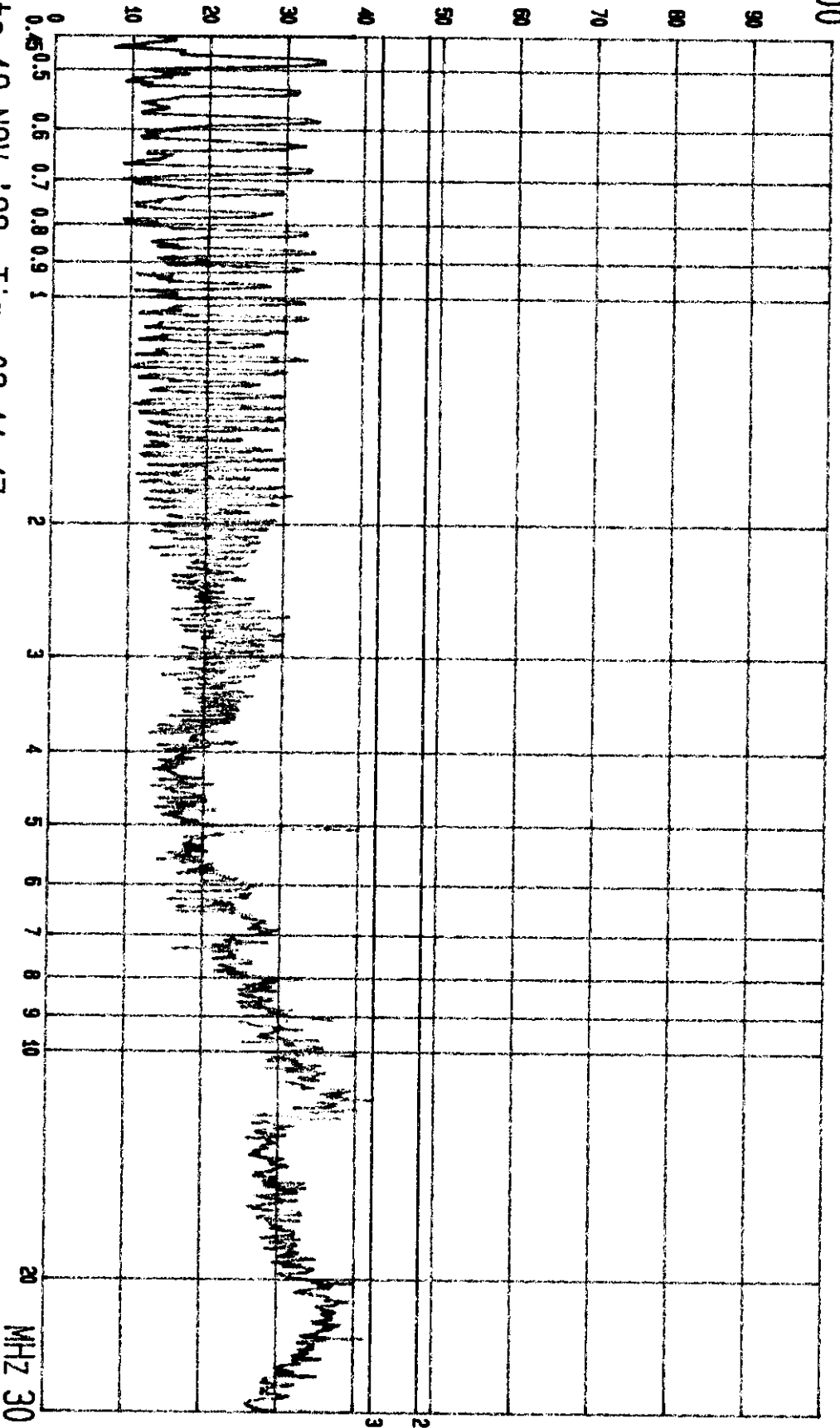
100



--- Date 19.NOV.'98 Time 03:13:39  
VIEW SONIC EUT: MONITOR  
LINE: VA. MEND: (800X600; 48.1KHZ) M/N: VCDTS21403-2\*  
PAGE: 004.  
(PEAK VALUE) TTEMC.

dBuV

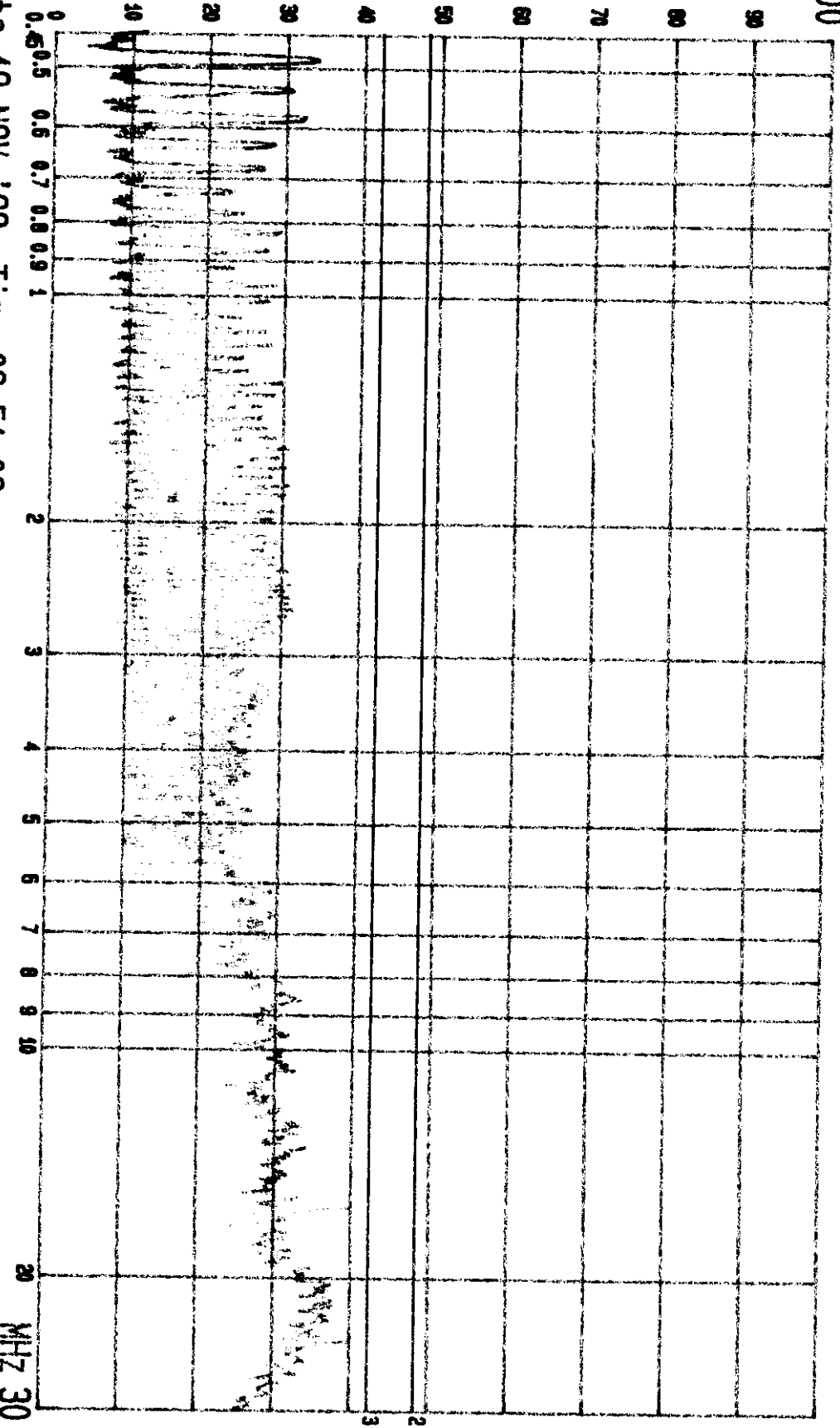
100



Date 19.NOV.'98 Time 03:11:47  
 VIEW SONIC EUT: MONITOR  
 LINE: VB. MEND: (800X600; 48.1KHZ)  
 M/N: VCDTS21403-2X  
 EUT TO LISN (PEAK VALUE) TEMC.  
 PAGE: 003.

dBuV

100



--- Date: 19. NOV. '98  
ITEM: SONIC  
LINE: VA.

Time: 03:51:02

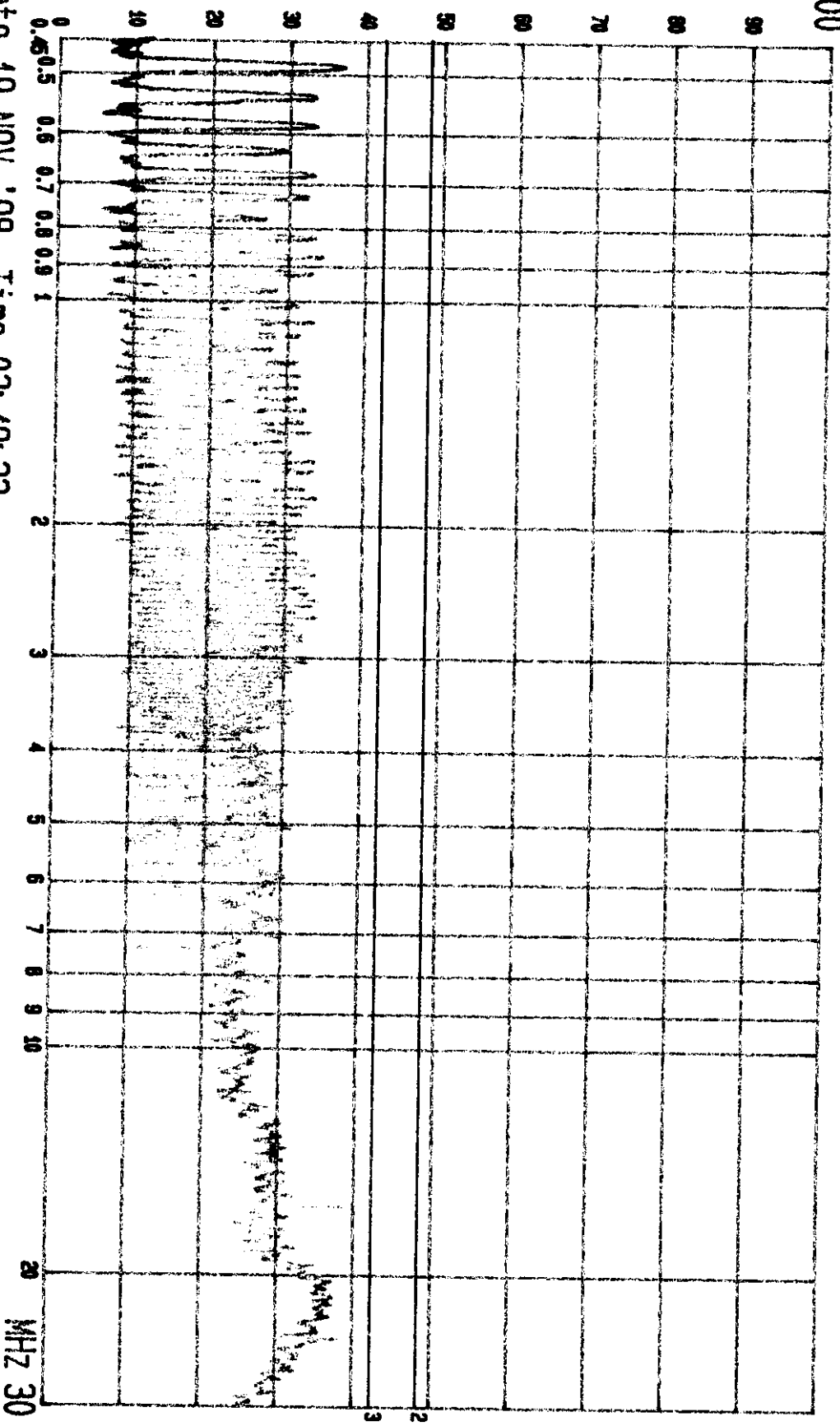
EUT: MONITOR  
MEND: (1024X768; 48.4KHz) EUT TO LISN

M/N: VCDTS21403-2x  
(PEAK VALUE)

PAGE: 012  
ITEMC.

DBUW

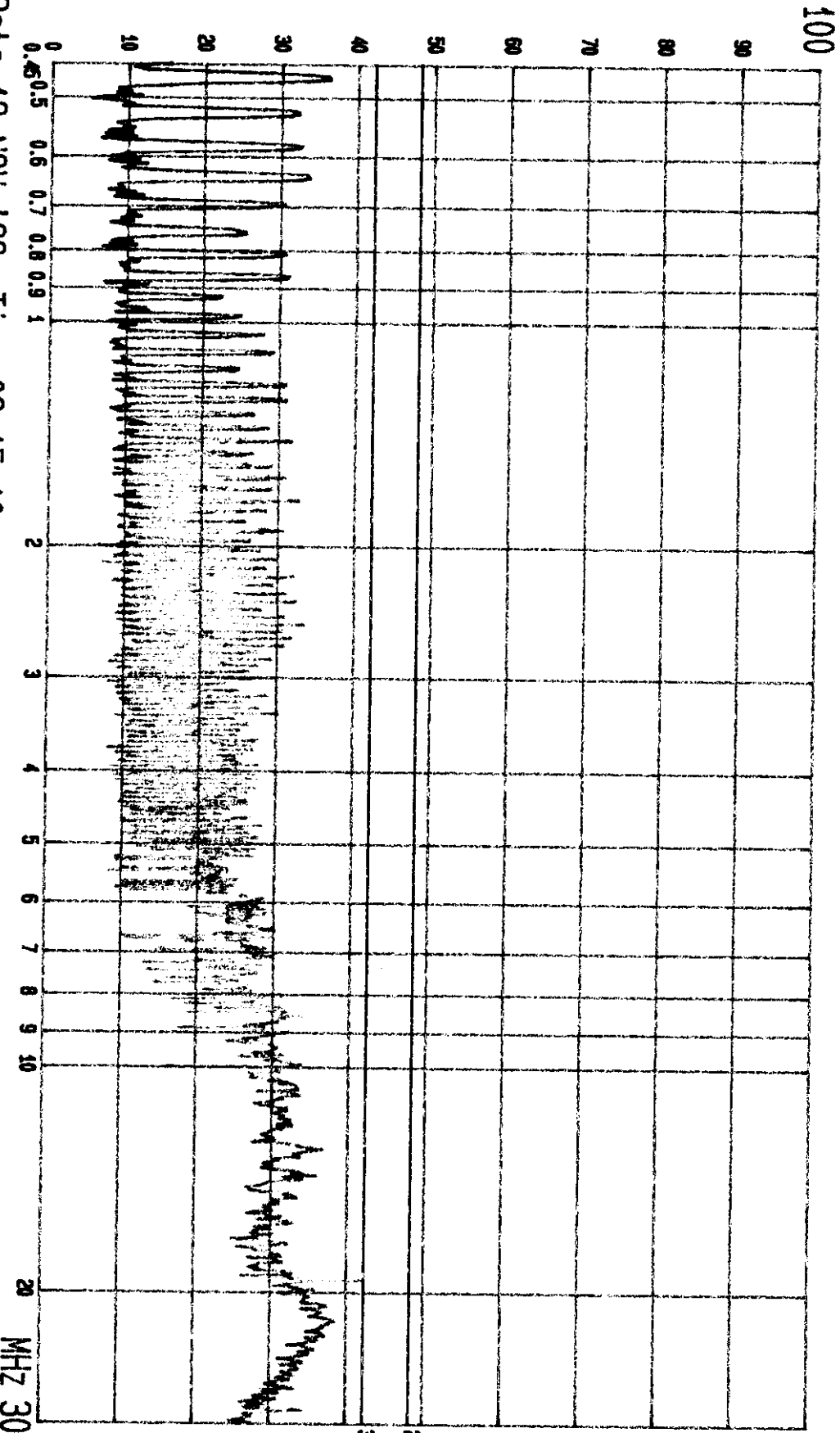
100



Date 19.NOV.'98 Time 03:49:33  
 VITEM SONIC EUT: MONITOR  
 LINE: VB. MEND: (1024X768; 48.4KHZ) EUT TO LISN

M/N: VCDTS21403-2\*  
 (PEAK VALUE) TTEMC.

DBU

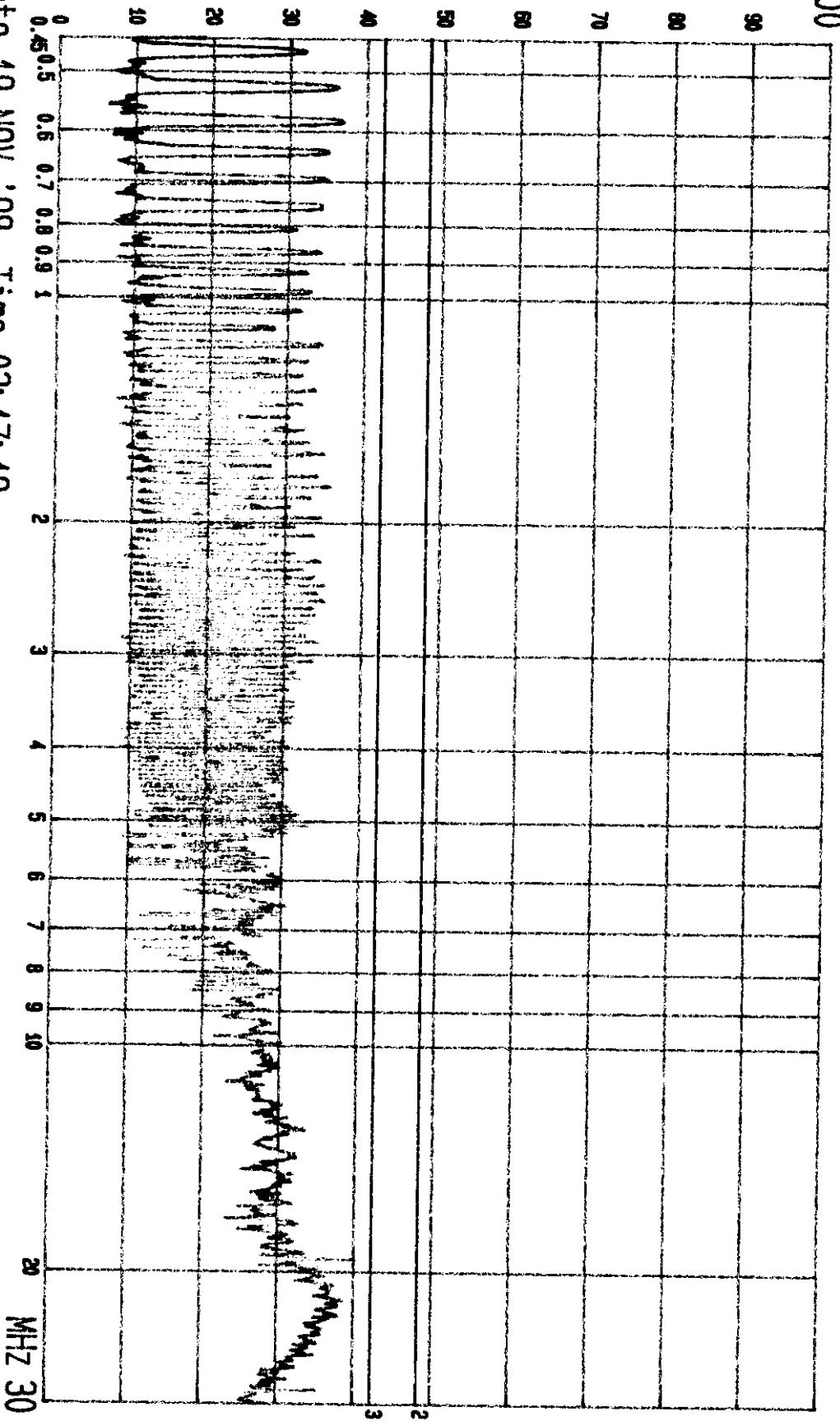


--- Date 19.NOV.'98 Time 03:15:10  
VIEW SONIC EUT: MONITOR  
LINE: VA. MEND: (1024X768; 58KHz)

M/N: VCDIS21403-2\*  
EUT TO LISN (PEAK VALUE) TTEMC.  
PAGE: 005.

dBuV

100

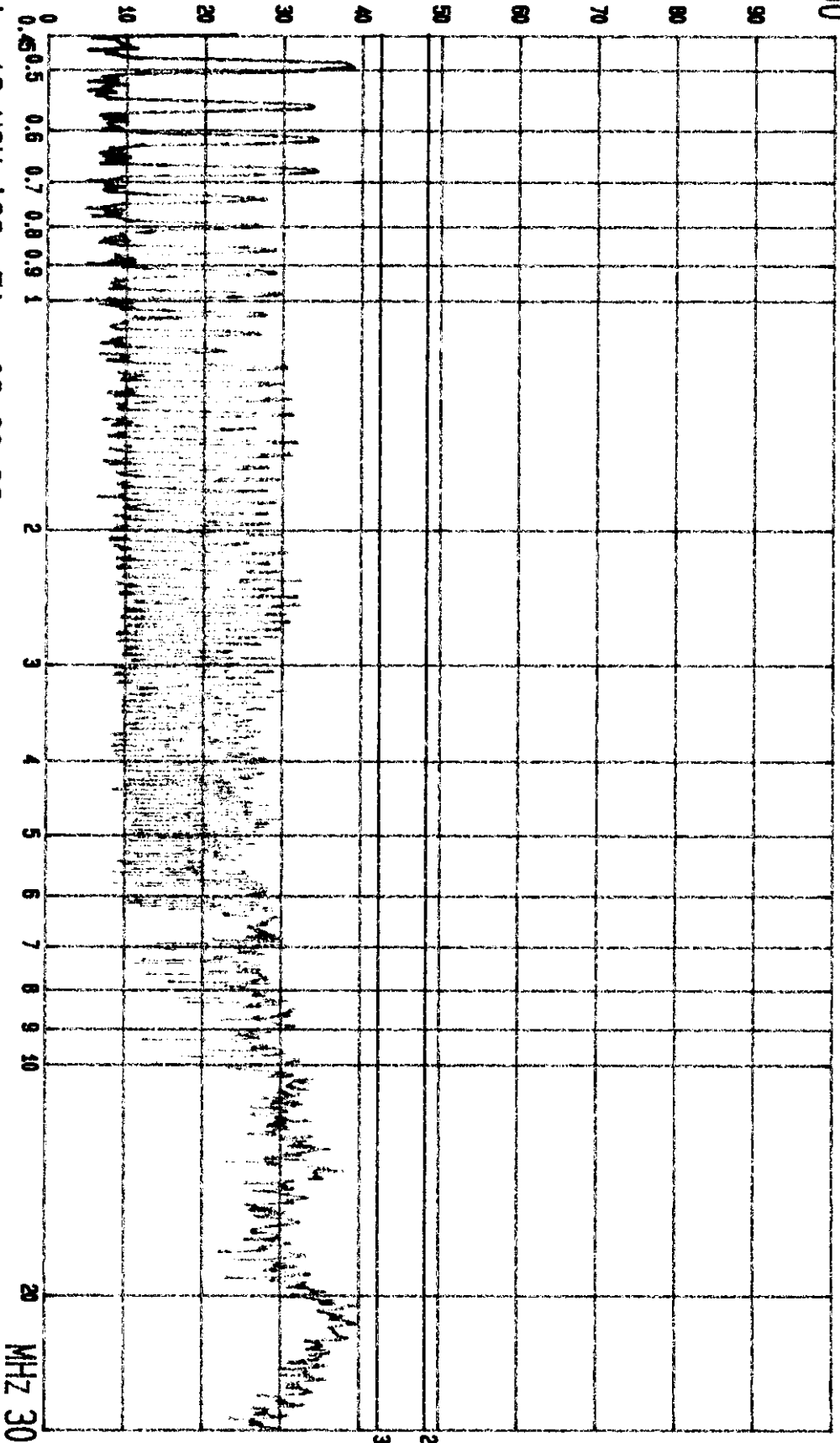


--- Date 19.NOV.'98 Time 03:17:19  
VIEW SONIC EUT: MONITOR  
LINE: VB. MEND: (1024X768; 58KHZ)

M/N: VCDTS21403-2X PAGE: 006.  
EUT TO LISN (PEAK VALUE) TTEMC.

DBUV

100



--- Date 19. NOV. '98  
VIEW SONIC  
LINE: VA.

Time 03: 20: 36  
EUT: MONITOR  
MEND: (1280X960; 61.6KHZ)

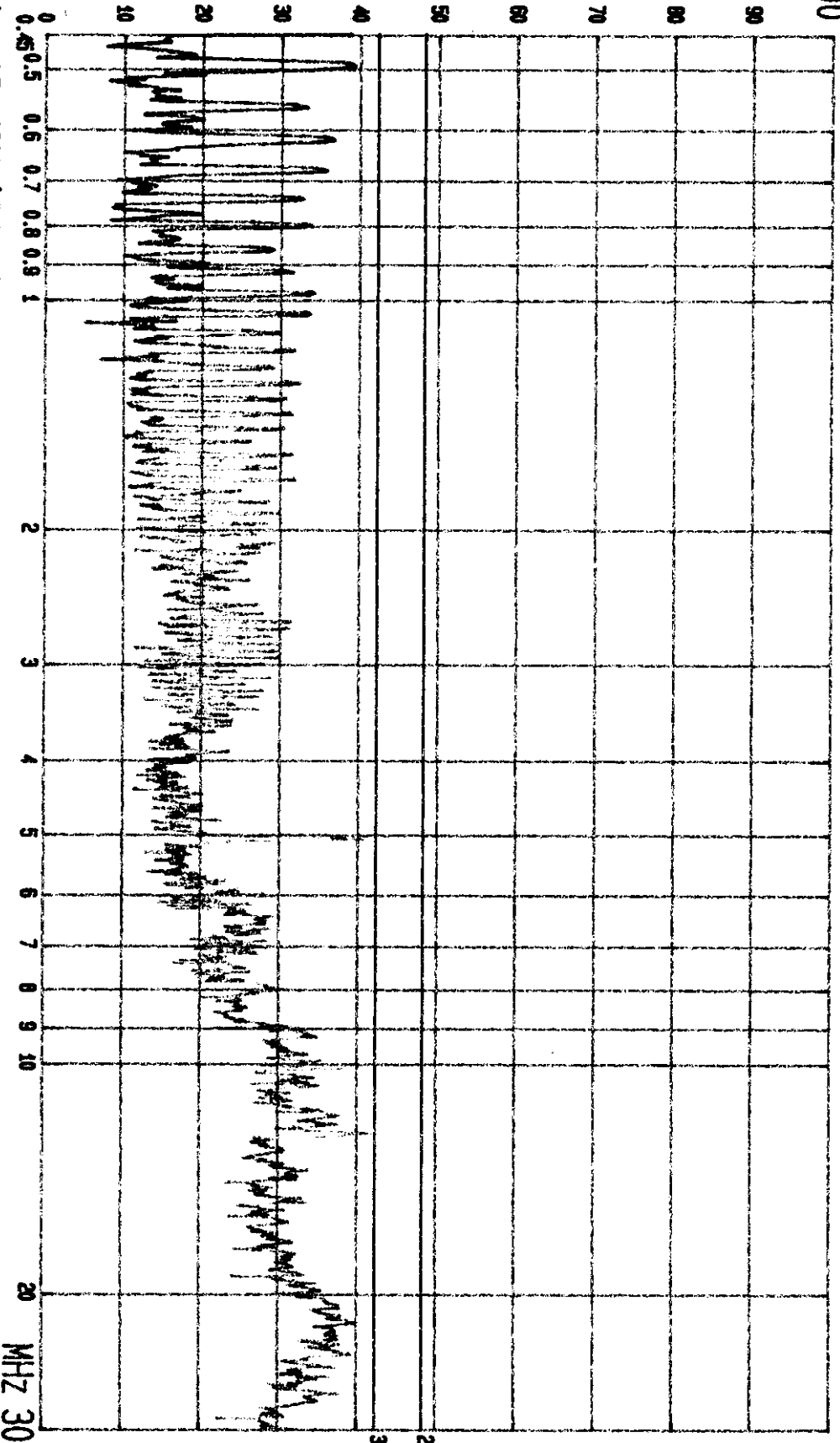
M/N: VCDTS21403-2\*  
EUT TO LISN

PAGE: 008.  
(PEAK VALUE) TTEMC.



DBUW

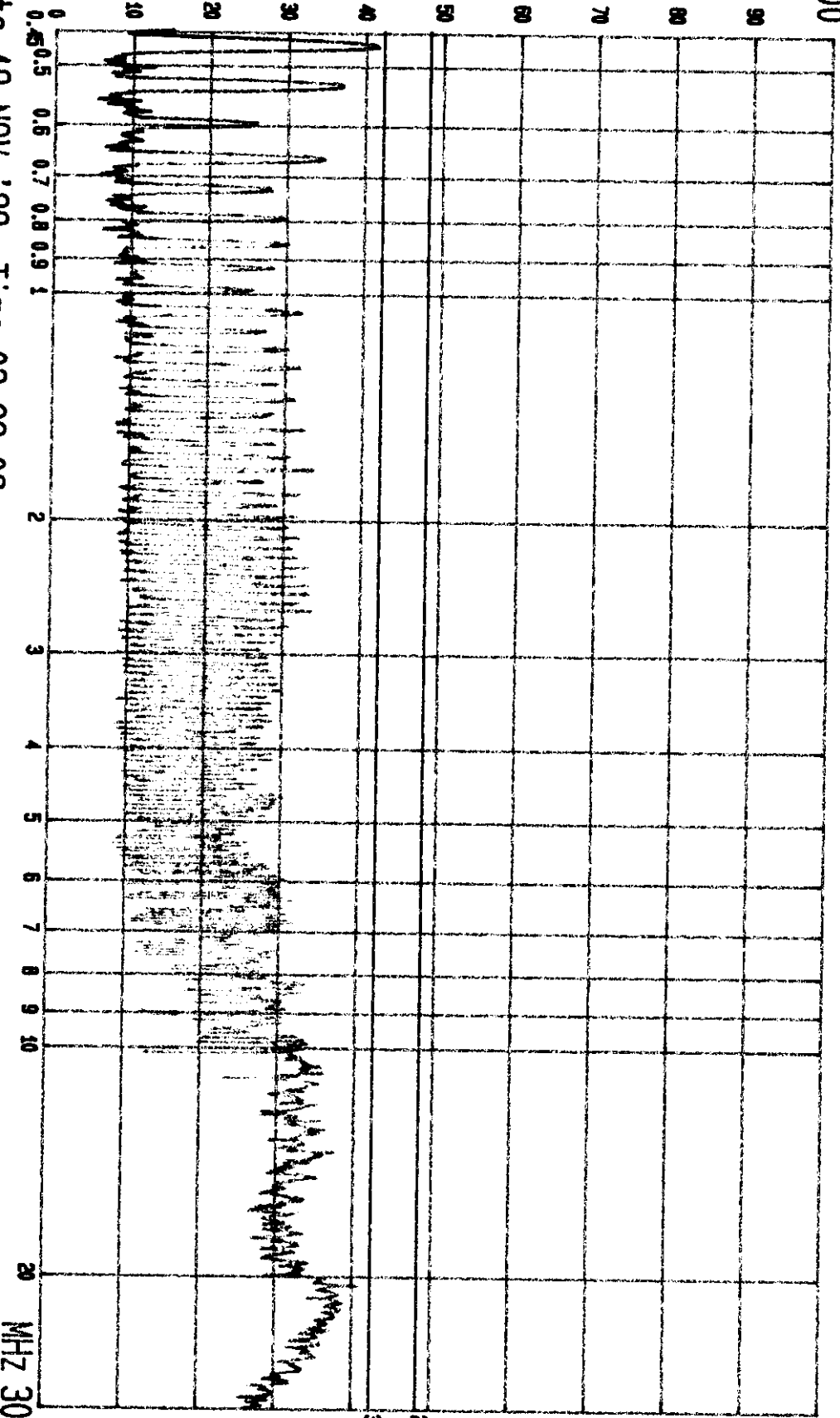
100



--- Date 19.NOV.'98 Time 03:19:27  
VIEW SONIC EUT: MONITOR M/N: VCDTS21403-2X PAGE: 007.  
LINE: VB. MEND: (1280X960; 61.6KHZ) EUT TO LISN (PEAK VALUE) TTEMC.

DBU V

100



--- Date 19.NOV.'98  
VIEW SONIC  
LINE: VA.

Time 03:22:06

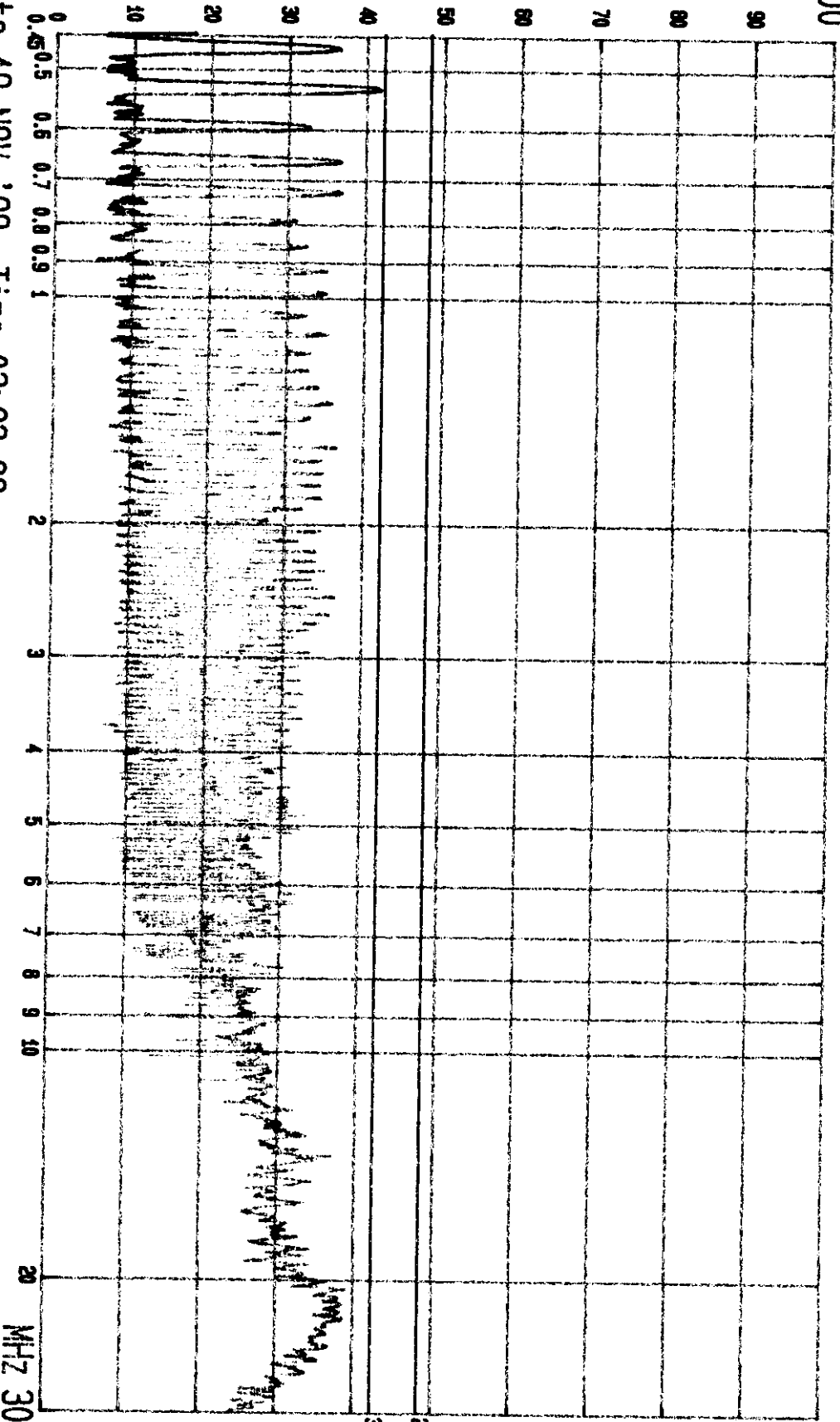
EUT: MONITOR  
MENO: (1280X1024; 66KHZ)

M/N: VCDTS21403-2\*  
EUT TO LISN

PAGE: 009.  
(PEAK VALUE) TTEM.C.

dBuV

100

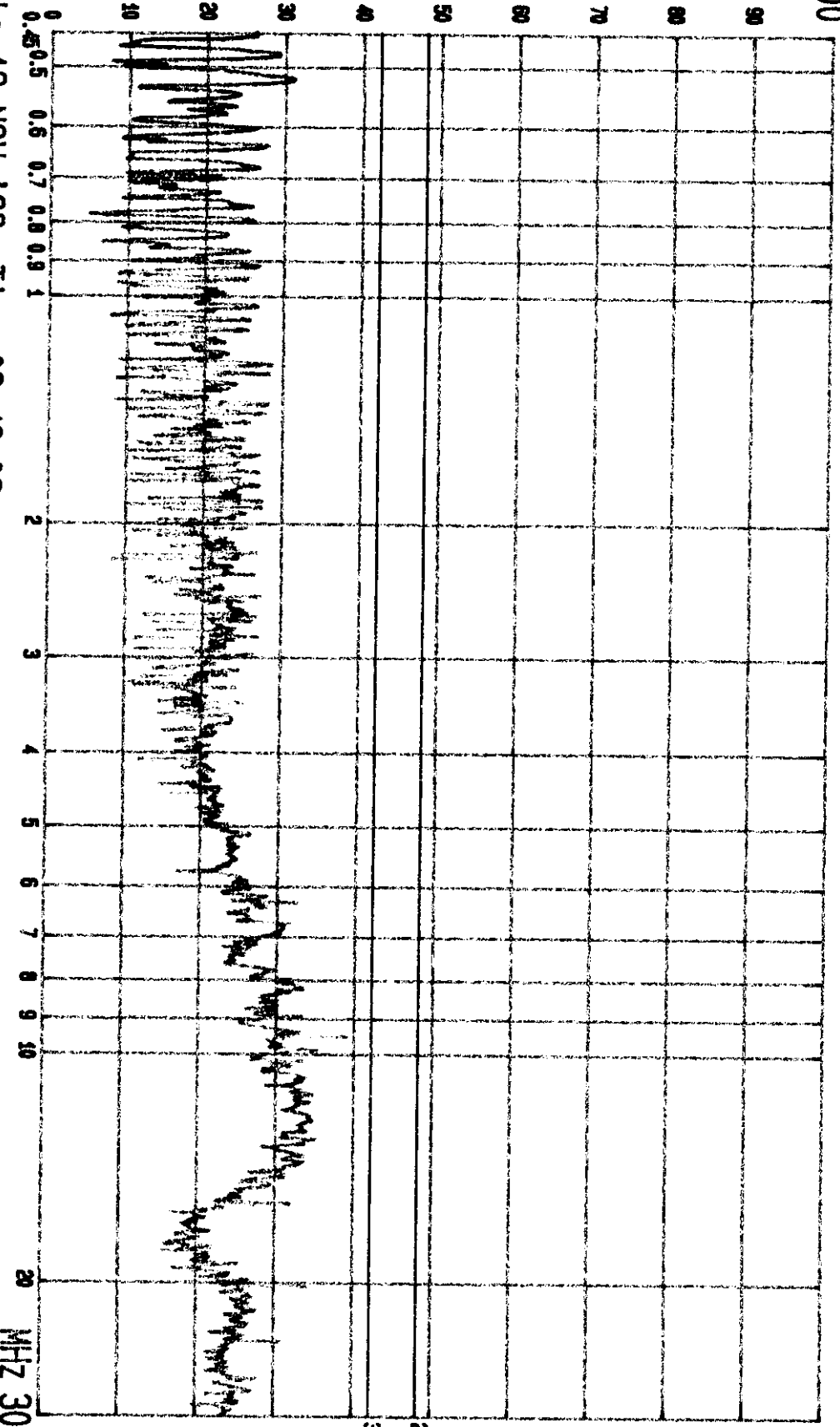


--- Date 19.NOV.'98 Time 03:23:22  
VIEW SONIC EUT: MONITOR  
LINE: VB. MENO: (1280X1024; 66KHZ)

M/N: VCDTS21403-2\*  
EUT TO LISN (PEAK VALUE) TTEMC.  
PAGE: 010.

DBUY

100



--- Date 19.NOV.'98  
VIEW SONIC  
LINE: VA.

Time 03:42:08

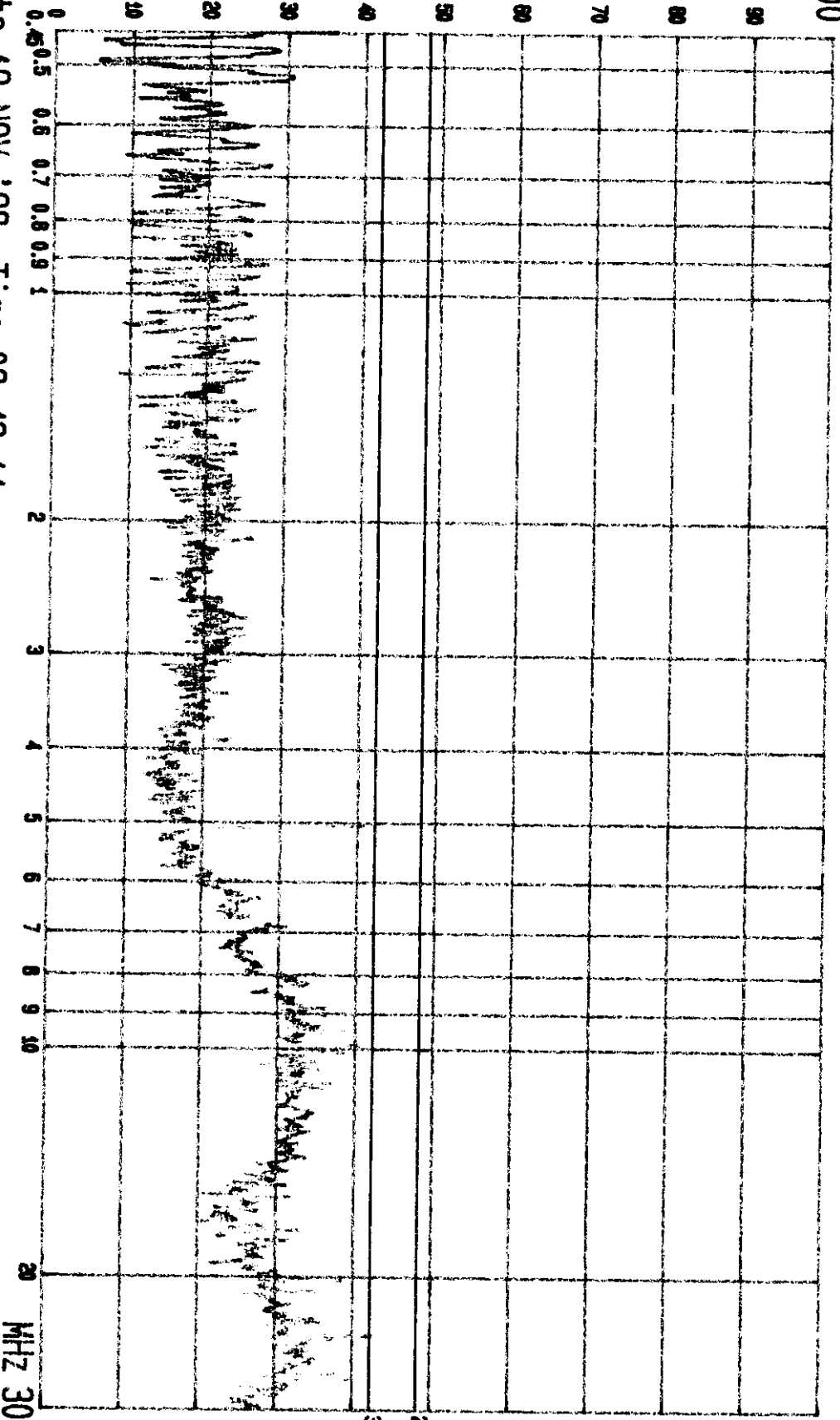
EUT: MONITOR  
MEND: (640X480; 31.5KHz)

M/N: VCDTS21403-2\*  
EUT TO PC

PAGE: 011.  
(PEAK VALUE) TTEWC.

DBU

100



VIEW SONIC  
LINE: VB.

Date 19.NOV. '98

Time 03:43:11

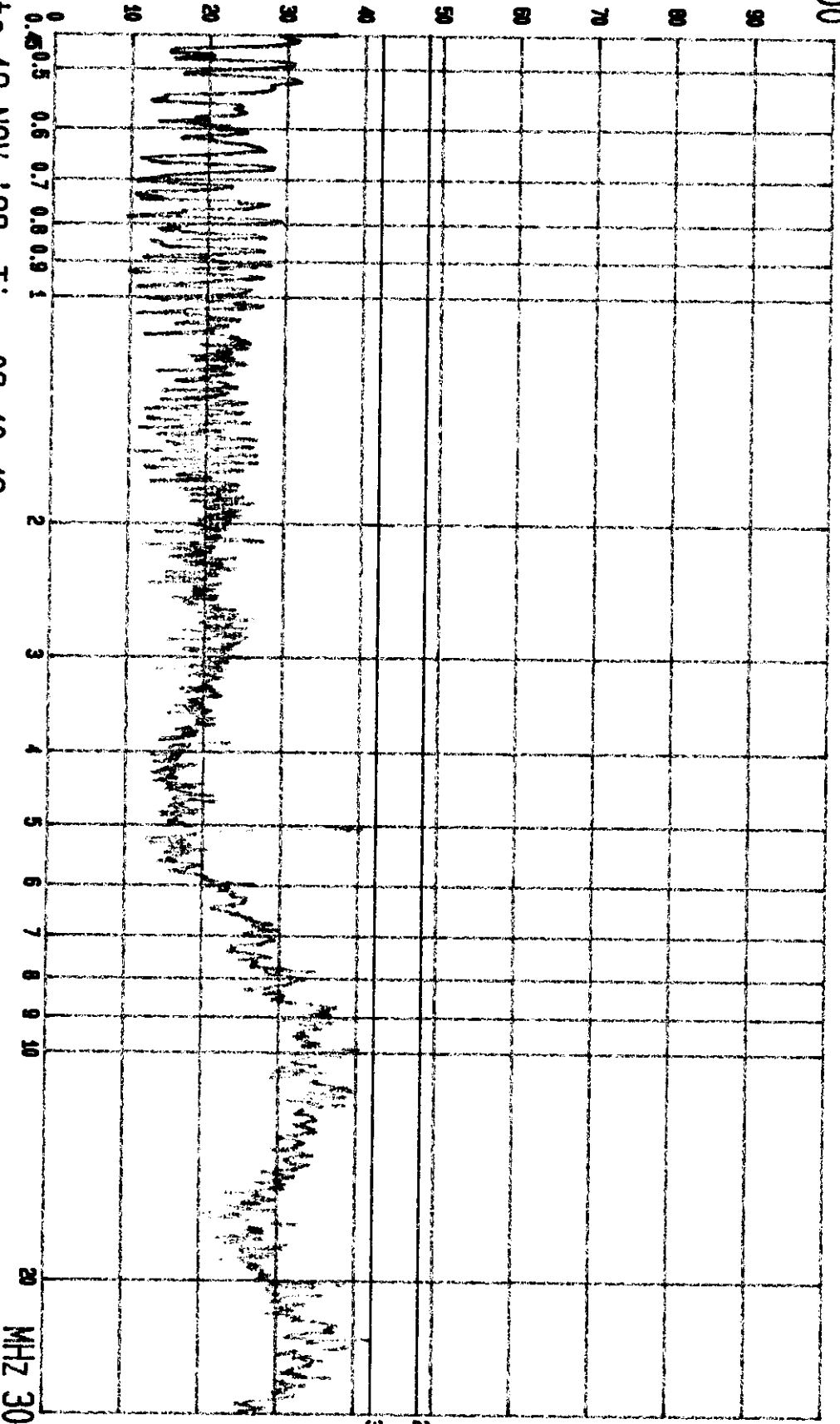
EUT: MONITOR  
MENO: (640X480; 31.5KHz)

M/N: YCDTS21403-2\*  
EUT TO PC

PAGE: 012.  
(PEAK VALUE) TTEMC.

dBuV

100



VIEW SONIC  
LINE: VA.

Date 19.NOV.'98

Time 03:40:43

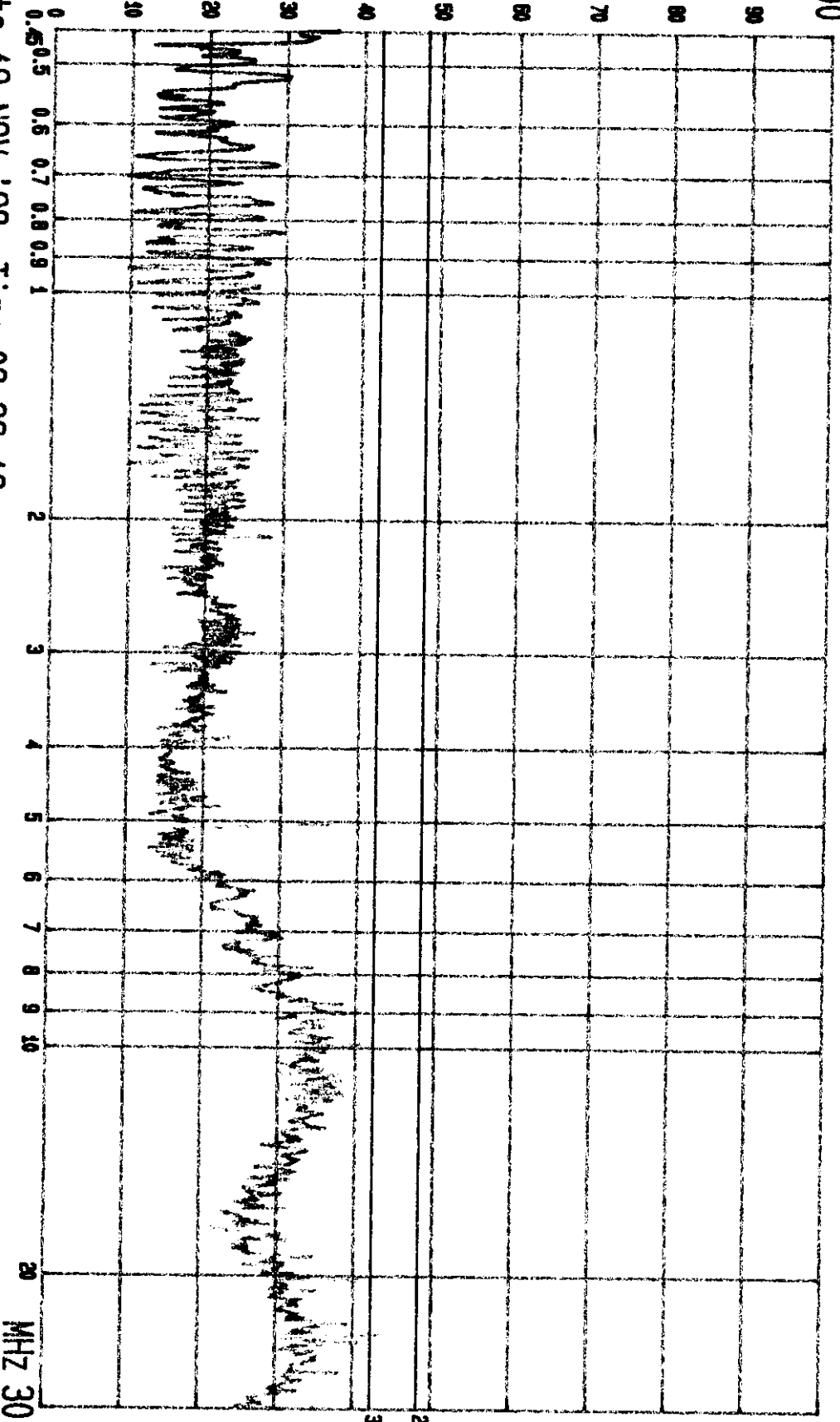
EUT: MONITOR  
MENO: (640X480; 37.9KHZ)

M/N: VCDTS21403-2\*  
EUT TO PC

PAGE: 010.  
(PEAK VALUE) TTEMC.

dBuV

100



VIEW: SONIC  
LINE: VB

Date: 19.NOV.'98

Time: 03:39:18

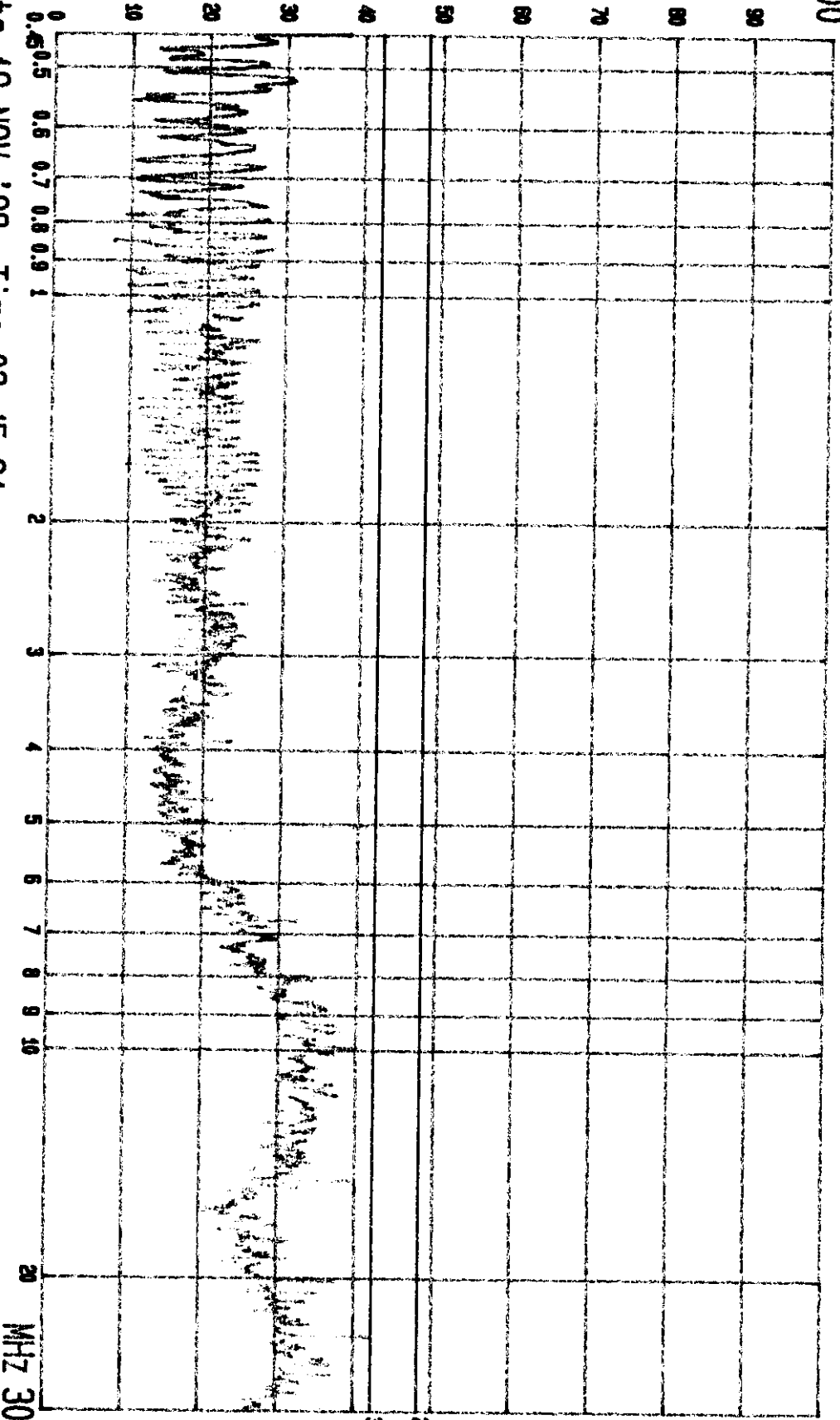
EUT: MONITOR  
MEND: (640X480; 37.9KHZ)

M/N: VCDTS21403-2K  
EUT TO PC

PAGE: 009.  
(PEAK VALUE) TTEMC.

DBU

100



VIEW SONIC  
LINE: VA.

Date 19.NOV.'98

Time 03:45:21

EUT: MONITOR  
MENO: (800X600; 37.9KHZ)

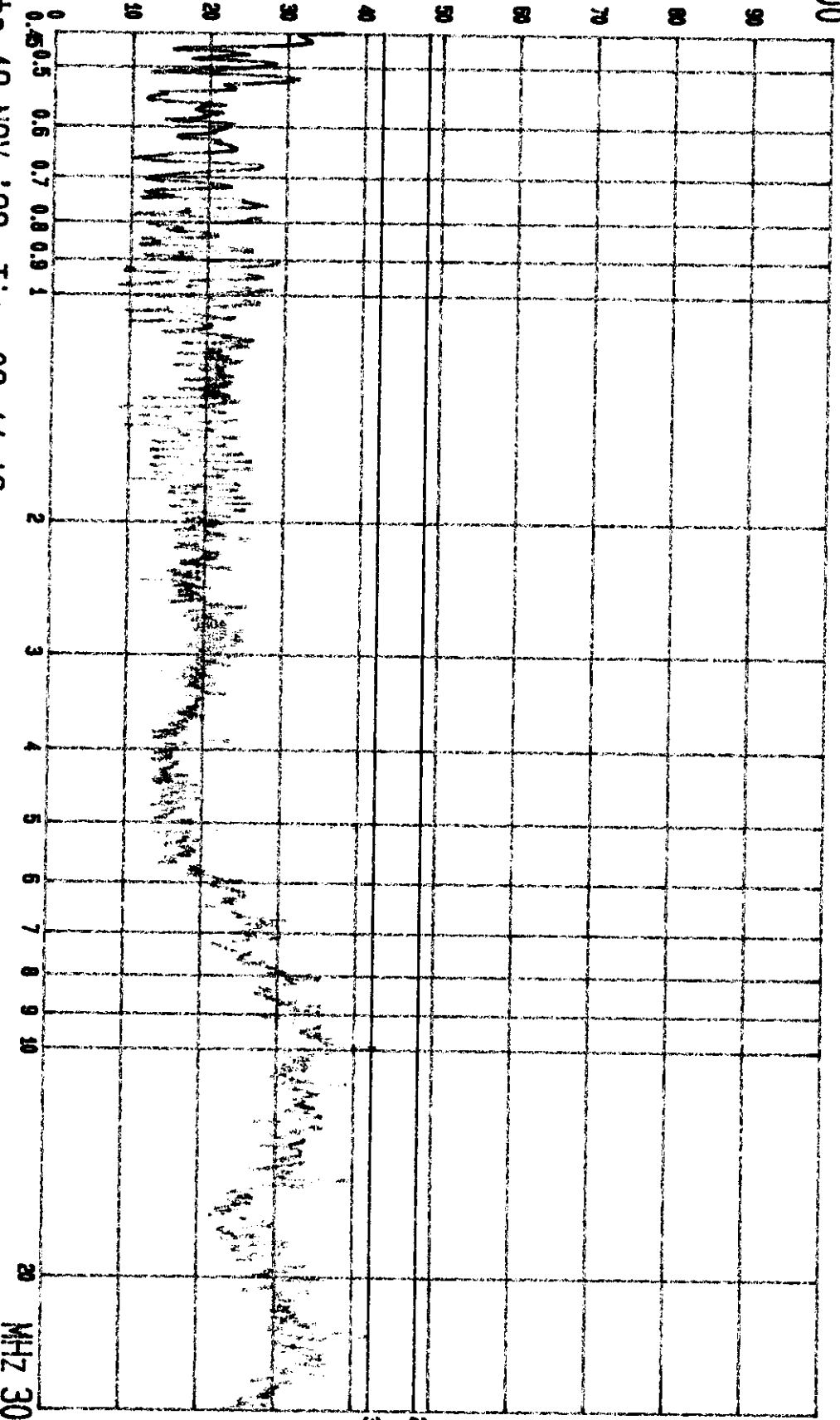
M/N: VCDTS21403-2\*  
EUT TO PC

PAGE: 014.  
(PEAK VALUE) TTEMC.



dBuV

100



--- Date 19.NOV.'98 Time 03:44:16  
VIEW SONIC  
LINE: VB.

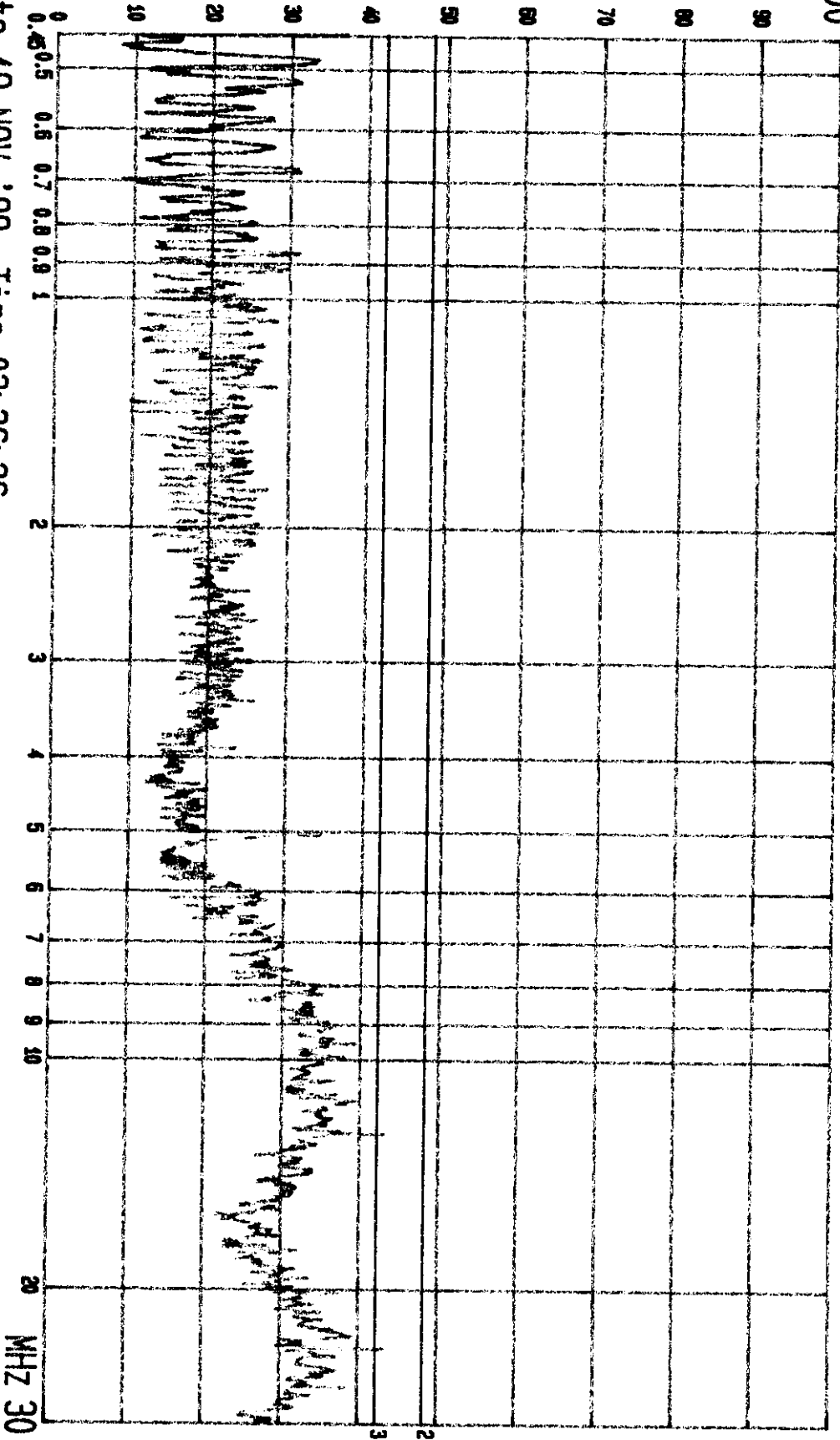
EUT: MONITOR  
MENO: (800X600; 37.9KHz)

M/N: VCDTS21403-2\*  
EUT TO PC

PAGE: 013.  
(PEAK VALUE) TTEMC.

dBuV

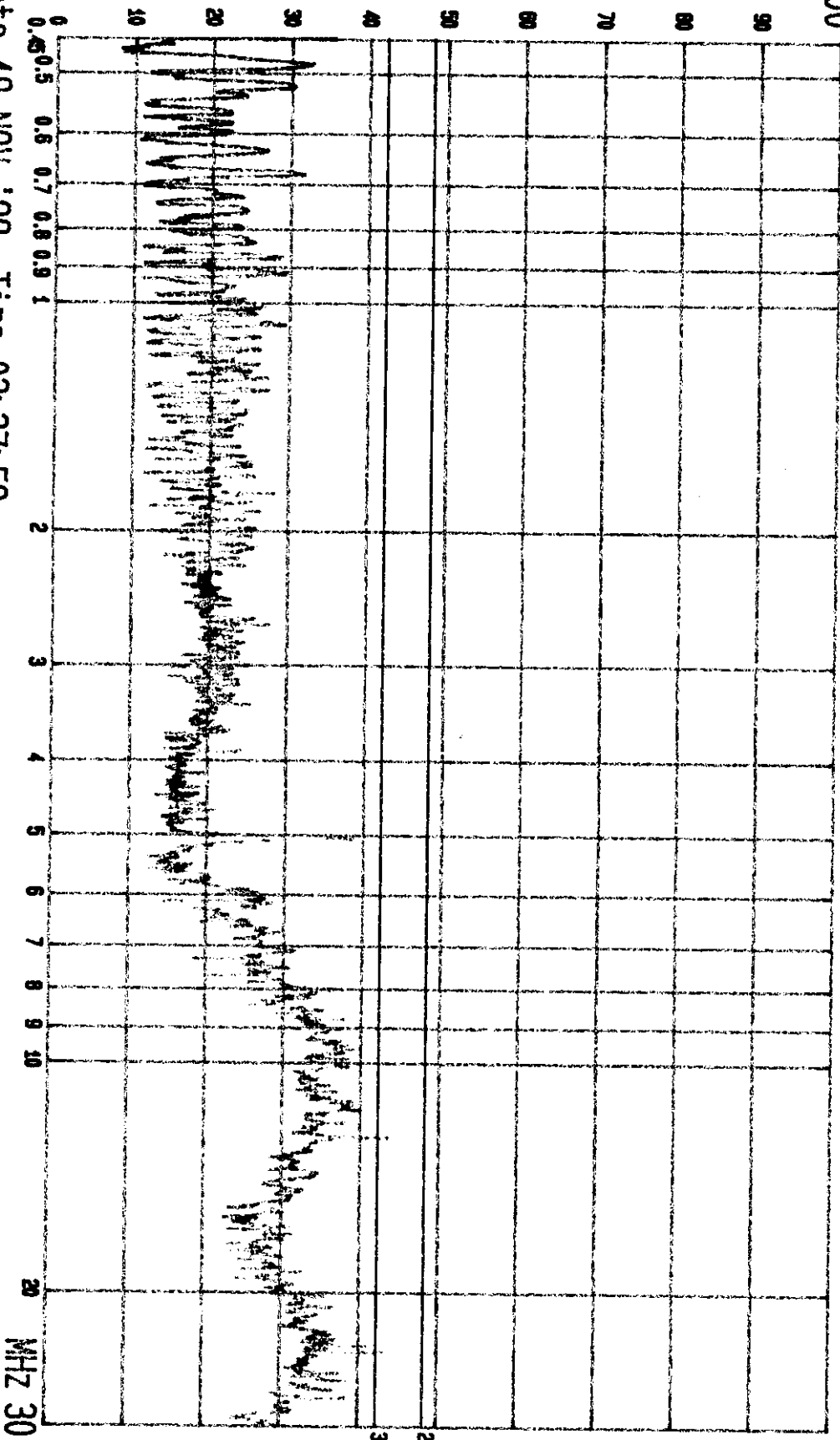
100



--- Date 19.NOV.'98 Time 03:36:36  
VIEW SONIC EUT: MONITOR M/N: VCDTS21403-2\*  
LINE: VA. MEND: (800X600; 48.1KHZ) EUT TO PC (PAGE: 007:  
(PEAK VALUE) TTEMC:

dBuV

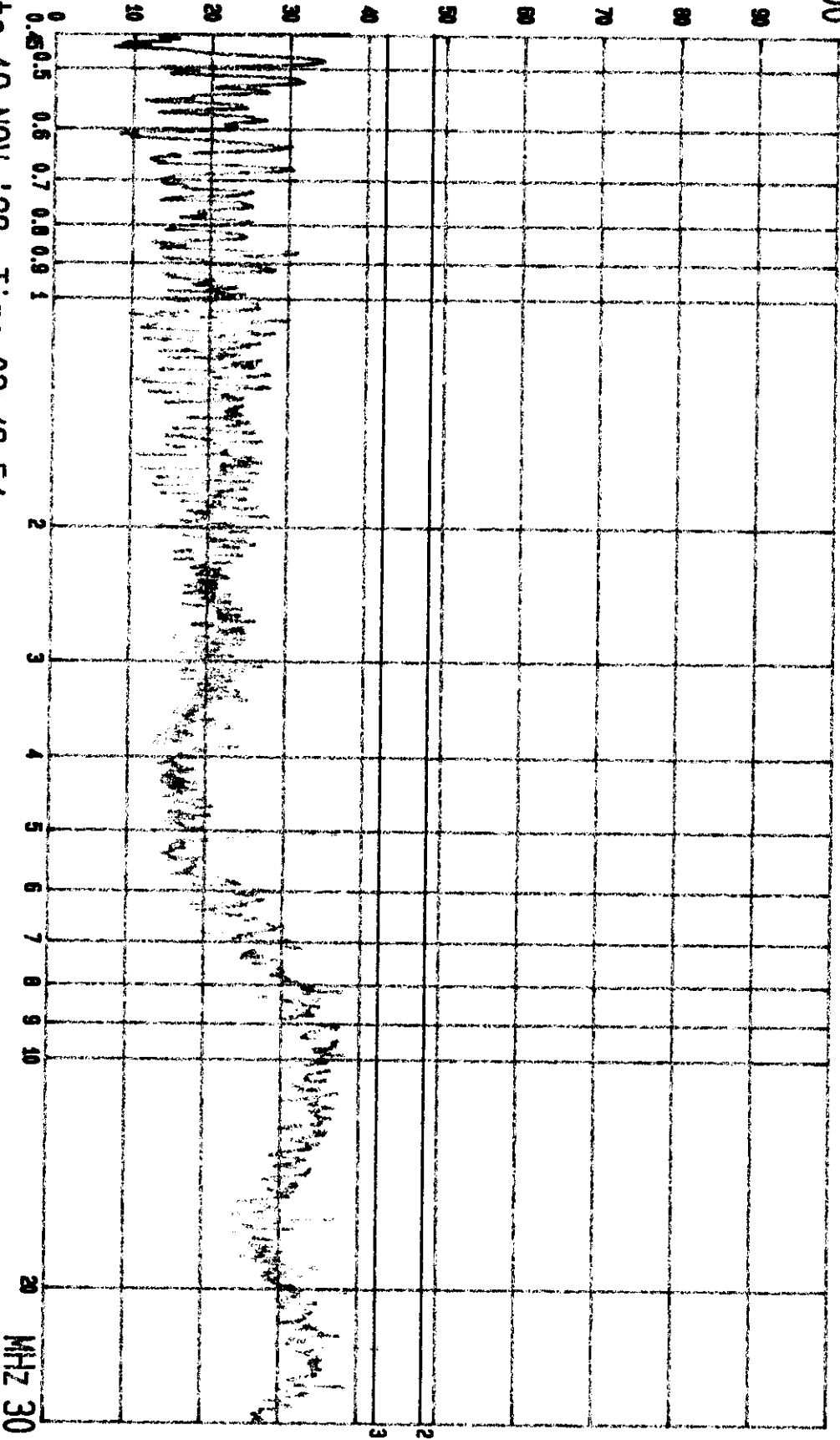
100



Date 19.NOV.'98 Time 03:37:58  
 VIEW SONIC EUT: MONITOR  
 LINE: VB. MEND: (800X600; 48.1KHZ) EUT TO PC  
 M/N: VCDTS21403-2\* (PEAK VALUE) TTEM.C.  
 PAGE: 008.  
 ---

DBUW

100

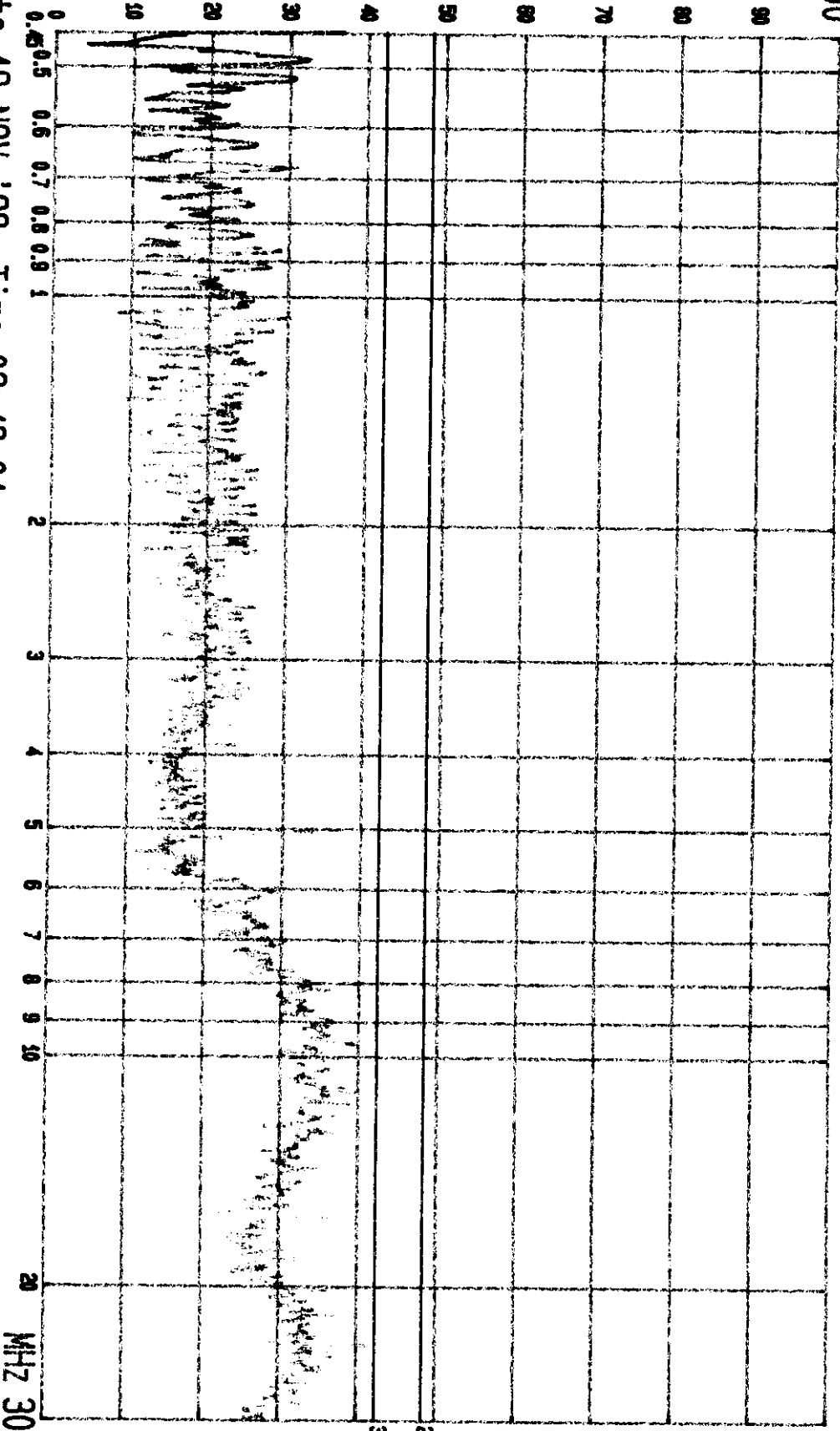


Date 19.NOV.'98 Time 03:46:54  
 VIEW SONIC EUT: MONITOR  
 LINE: VA. MEND: (1024X768; 48.4KHZ) EUT TO PC

M/N: YCDTS21403-2\*  
 PAGE: 015.  
 (PEAK VALUE) TTEMC.

DBU

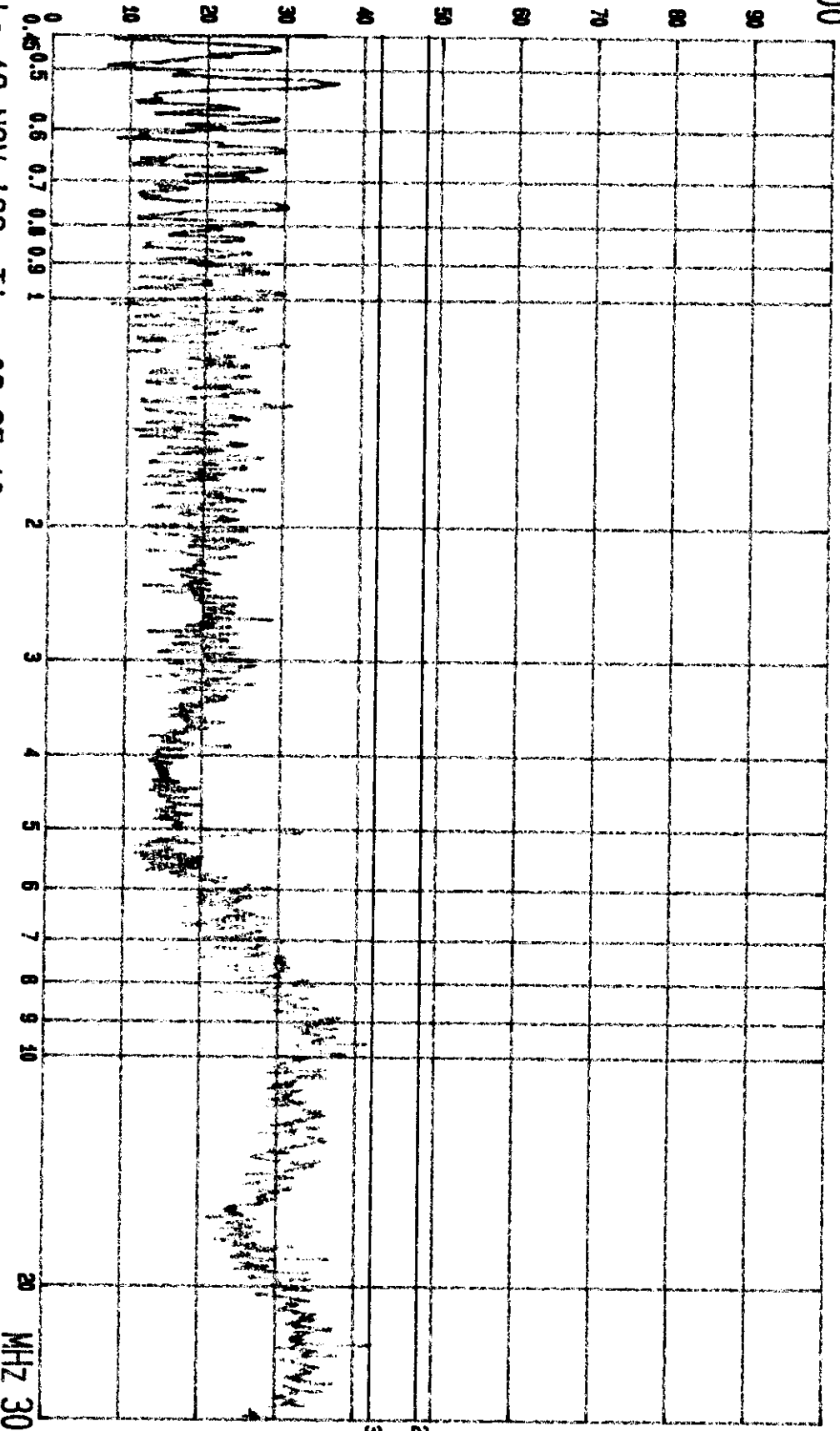
100



Date 19.NOV.'98 Time 03:48:01  
 VIEW SONIC EUT: MONITOR  
 LINE: VB. MEND: (1024X768; 48.4KHZ) EUT TO PC  
 M/N: VCDTS21403-2\*  
 (PEAK VALUE) TTEM.C. PAGE: 016.

dBuV

100



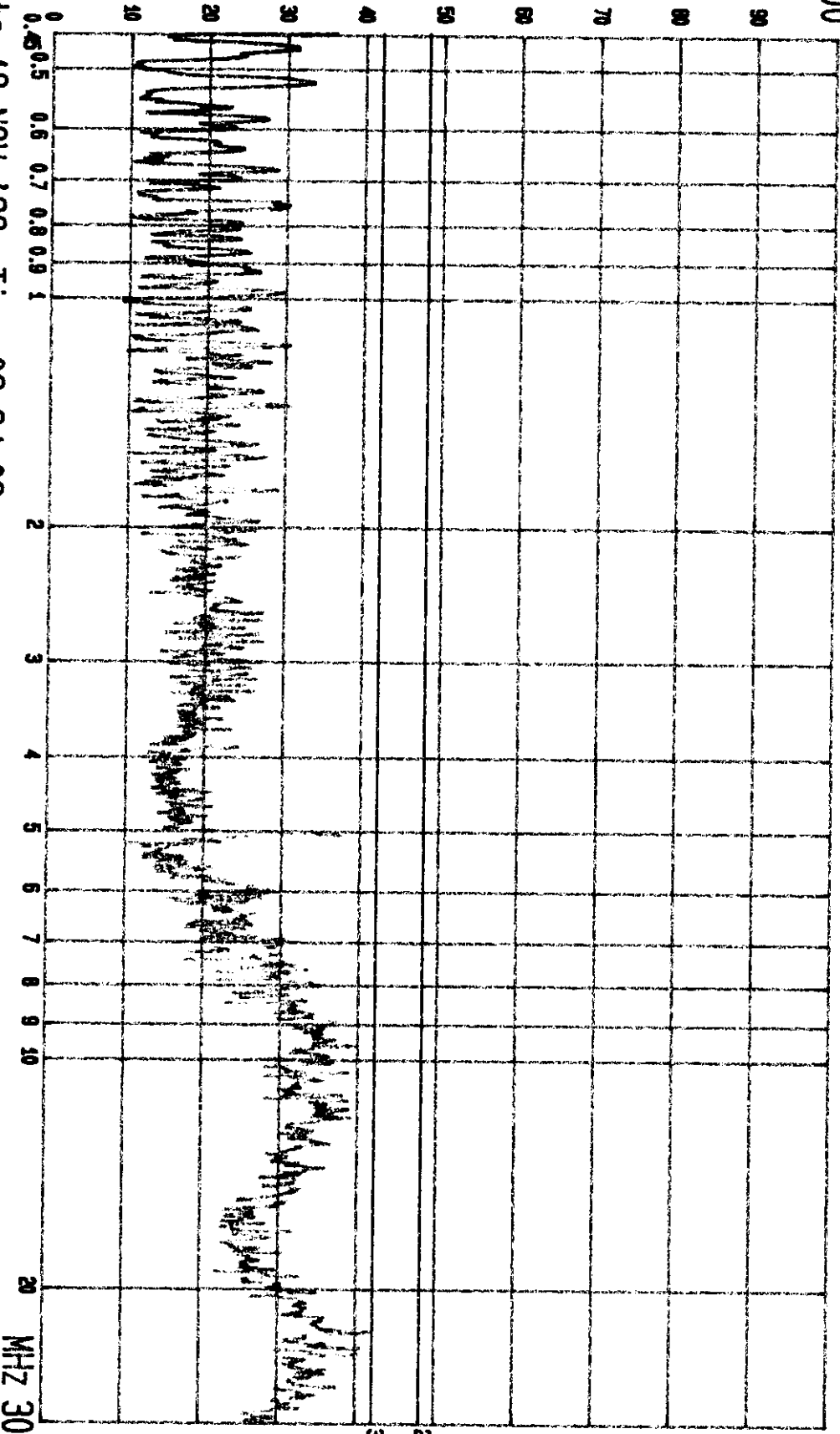
--- Date 19.NOV.'98 Time 03:35:10  
 VIEW SONIC EUT: MONITOR  
 LINE: VA. MEND: (1024X758; 58KHZ)

M/N: VCDTS21403-2x  
 EUT TO PC  
 (PEAK VALUE) TTEMC.

PAGE: 006.

dBuV

100



VIEW Date 19.NOV.'98  
SONIC Time 03:34:03  
LINE: VB.

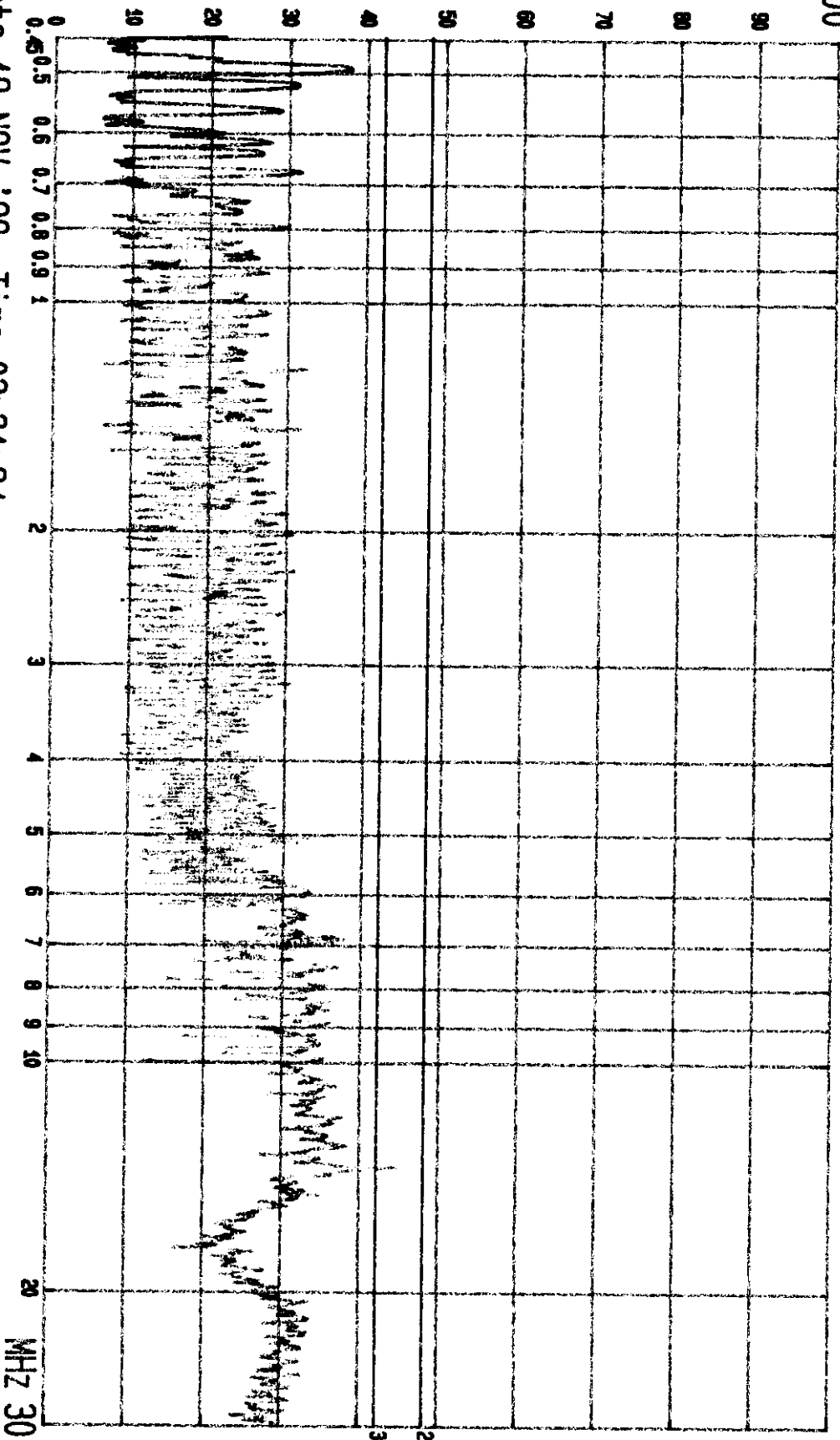
EUT: MONITOR  
MENO: (1024X758; 58KHZ)

M/N: VCDTS21403-2X  
EUT 10 PC

PAGE: 005.  
(PEAK VALUE) TTEMC.

dBuV

100

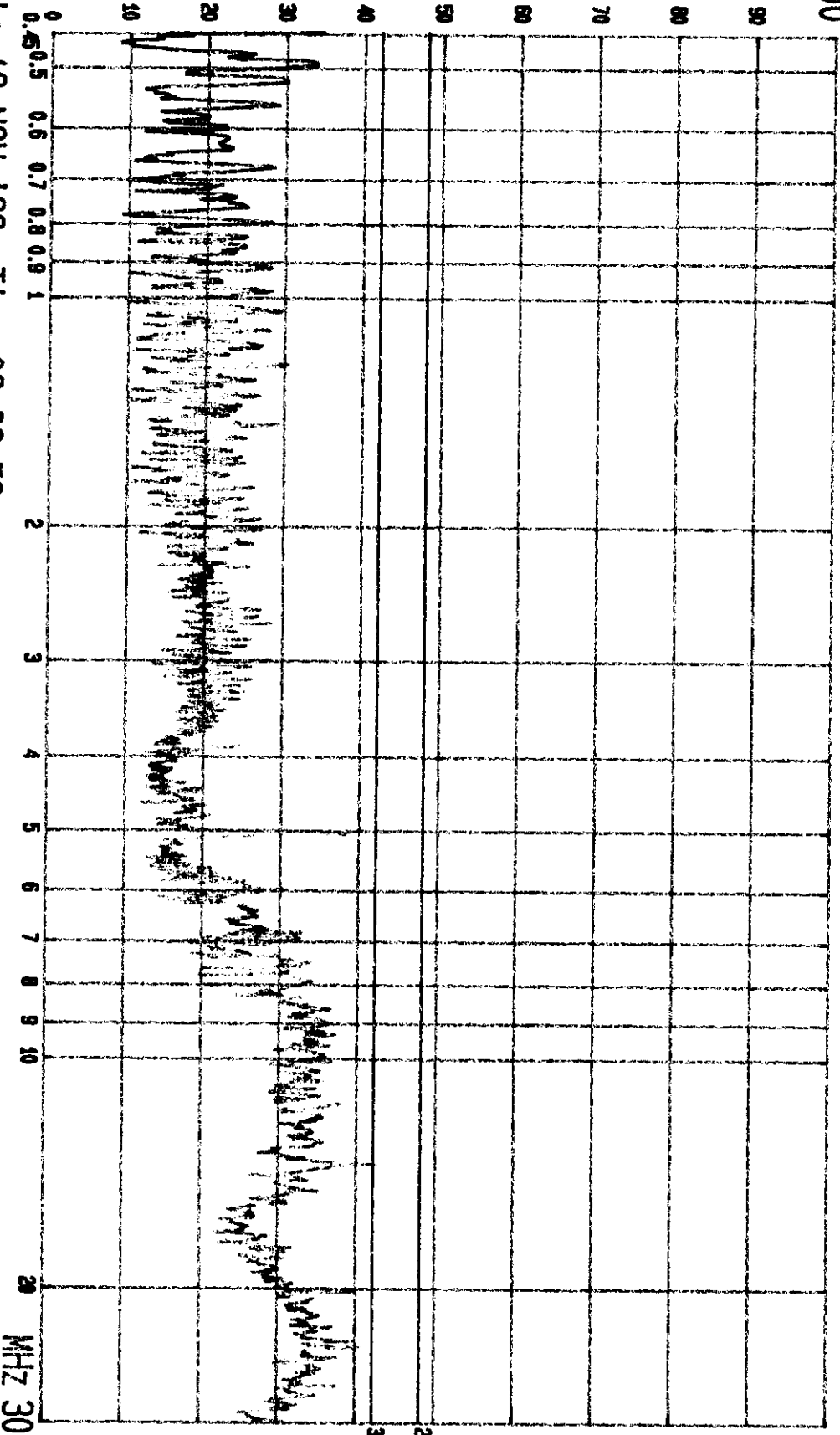


Date 19.NOV.'98 Time 03:31:34  
 VIEW SONIC EUT: MONITOR  
 LINE: VA. MEND: (1280X960: 61, 6KHZ) EUT TO PC  
 M/N: VCDTS21403-2\*  
 PAGE: 003.  
 (PEAK VALUE) TTEMC.



DBUW

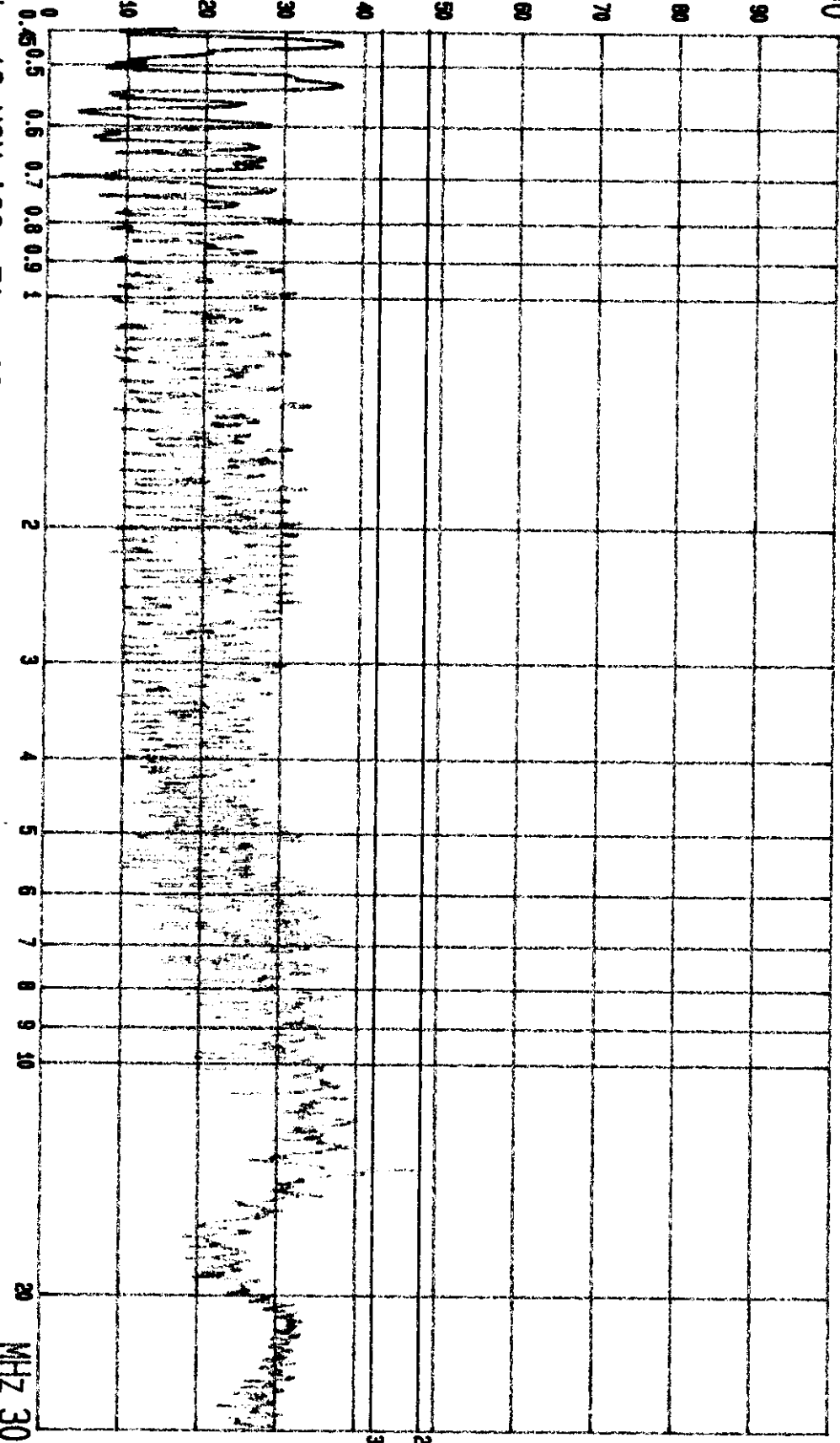
100



--- Date 19. NOV. '98 Time 03:32:52  
VIEW SONIC EUT: MONITOR  
LINE: VB. MEND: (1280X960; 64, 6KHZ) EUT TO PC  
M/N: VCDTS21403-2\* (PEAK VALUE) TTEM.C.  
PAGE: 004.

dBuV

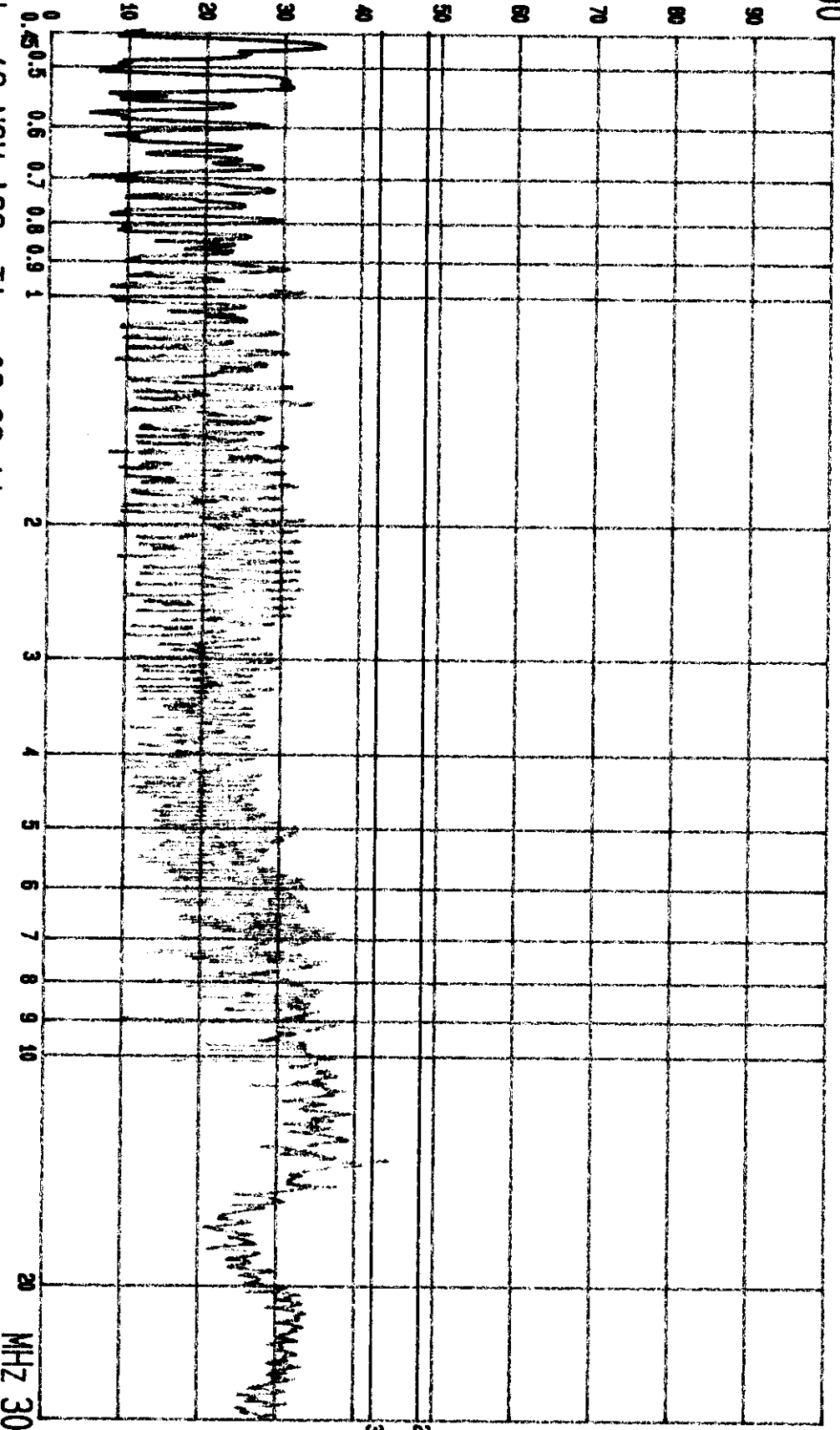
100



--- Date 19.NOV.'98 Time 03:30:23  
VIEW SONIC EUT: MONITOR M/N: VCDTS21403-2\*  
LINE: VA. MEND: (1280X1024; 66KHZ) EUT TO PC (PEAK VALUE) TTEMC. PAGE: 002.

dBuV

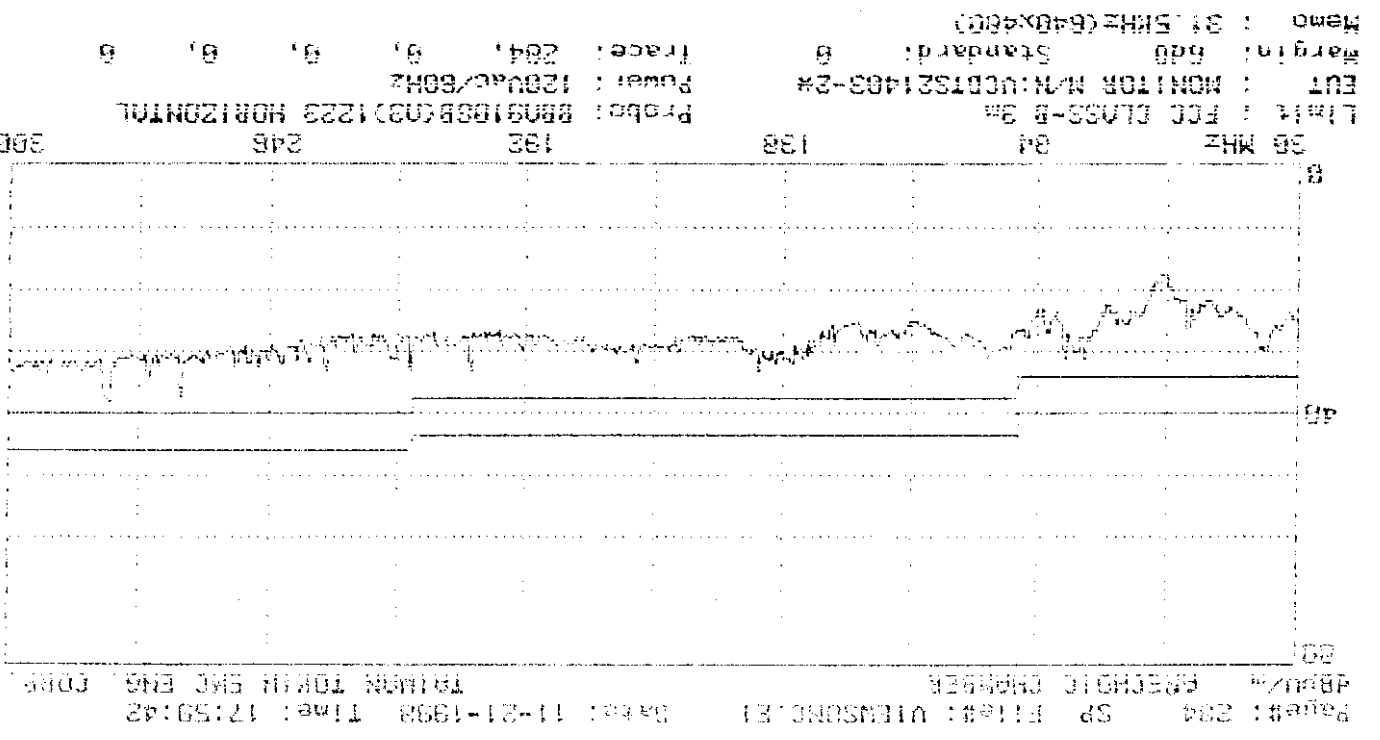
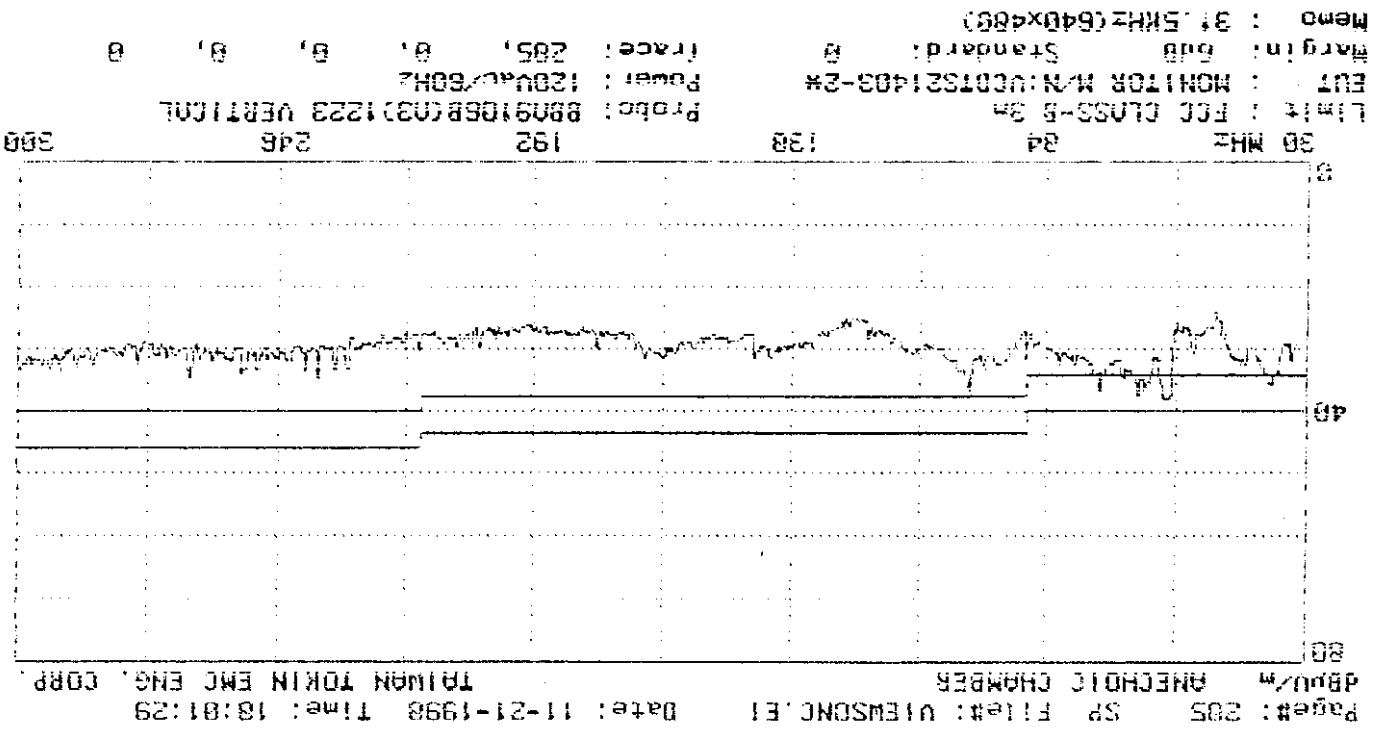
100

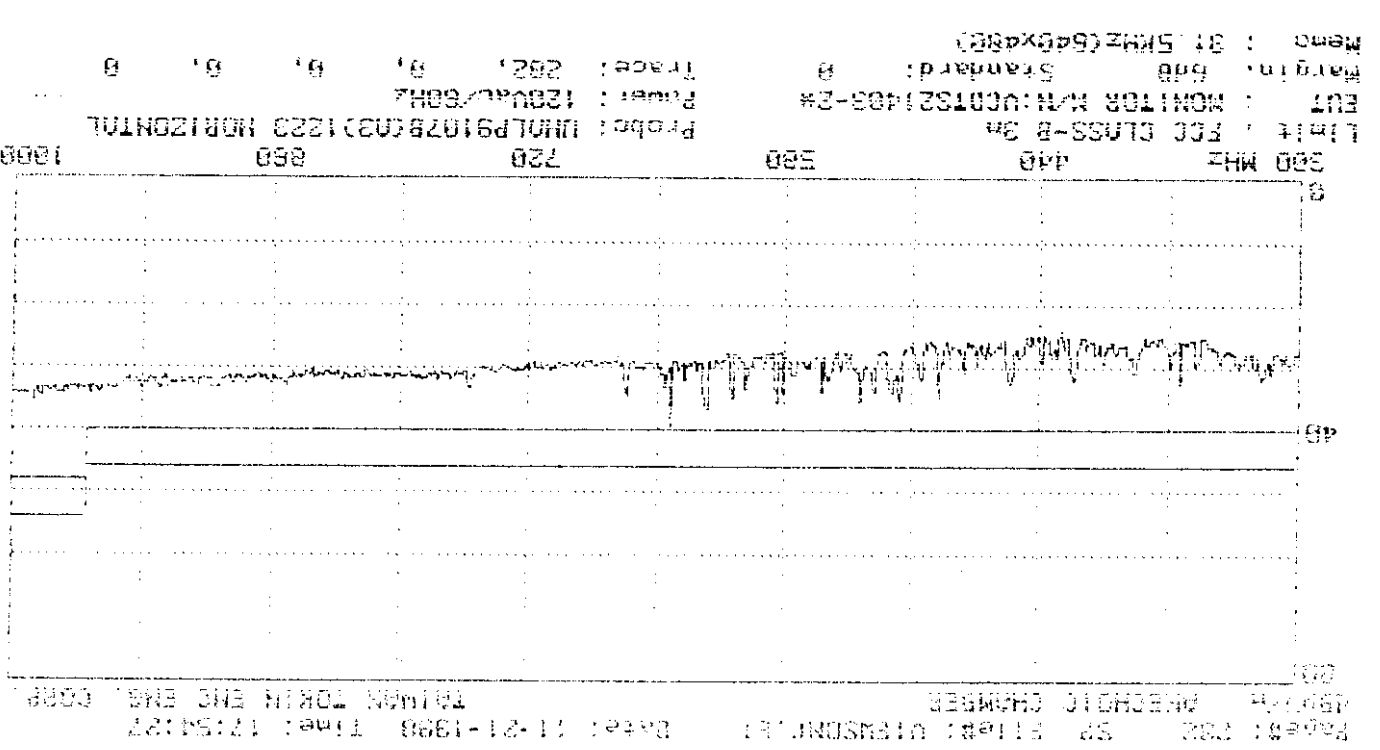
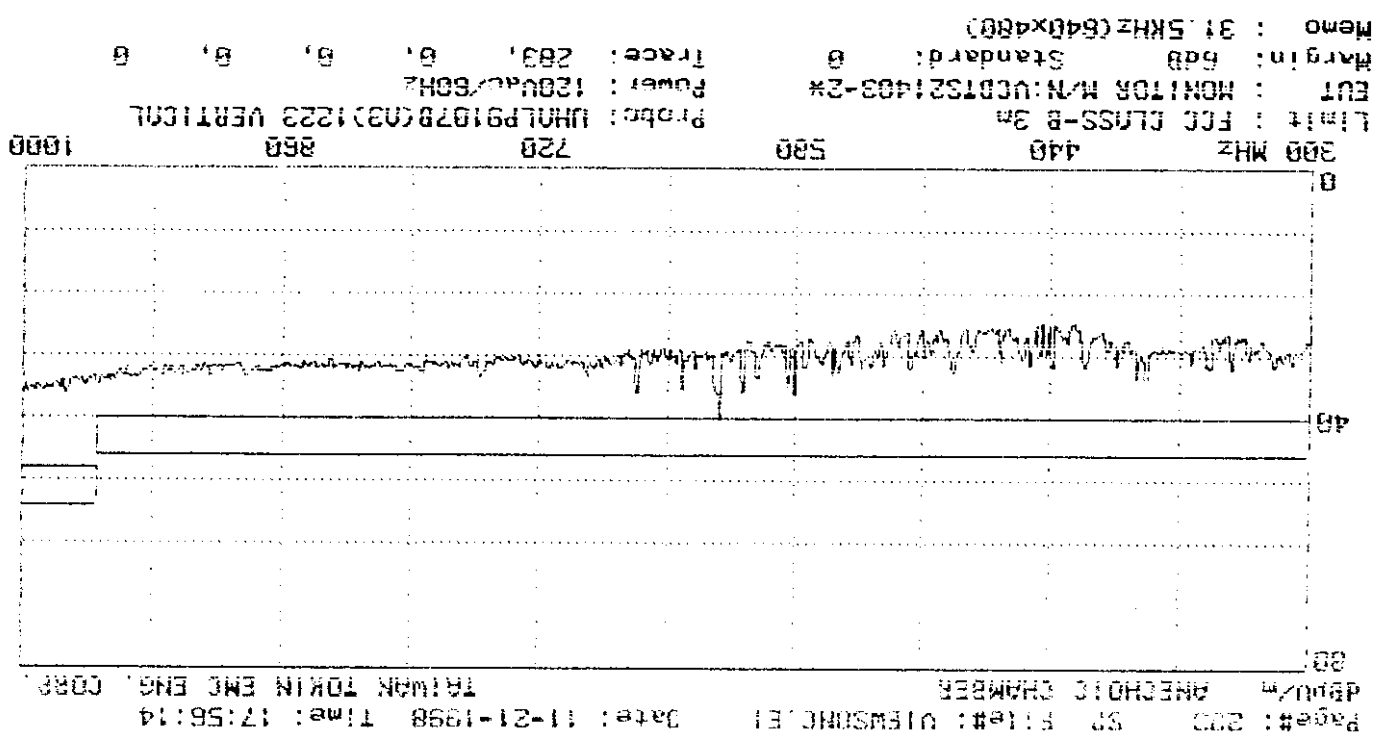


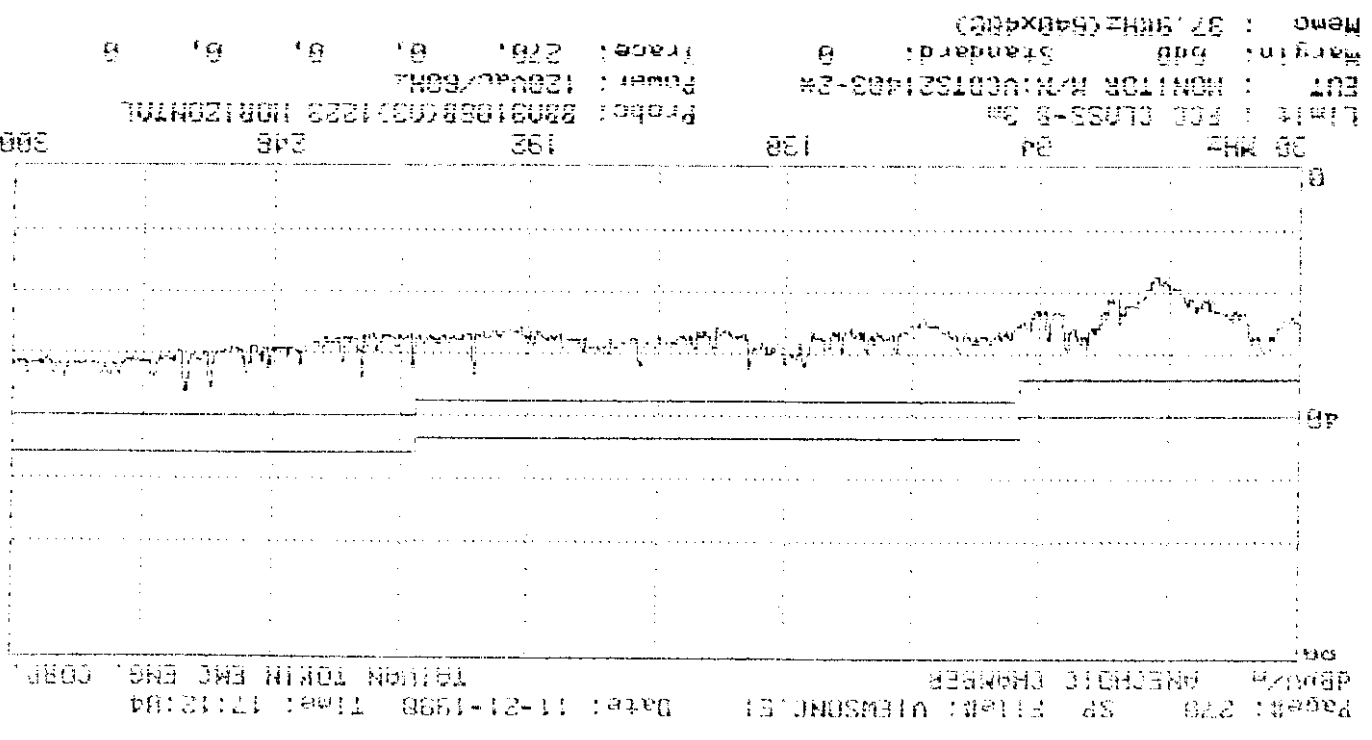
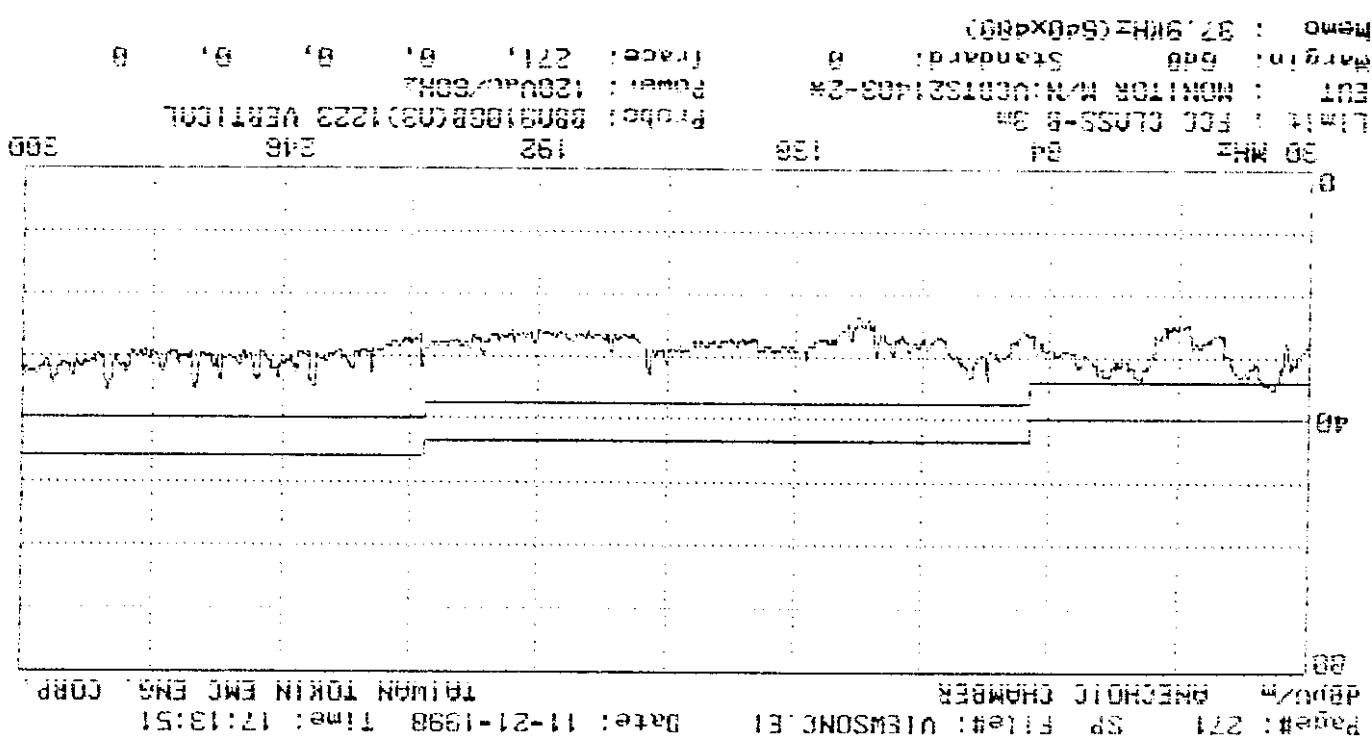
--- Date 19.NOV.'98 Time 03:29:11  
VIEW SONIC EUT: MONITOR  
LINE: VB. MEND: (1280X1024; 66KHZ)

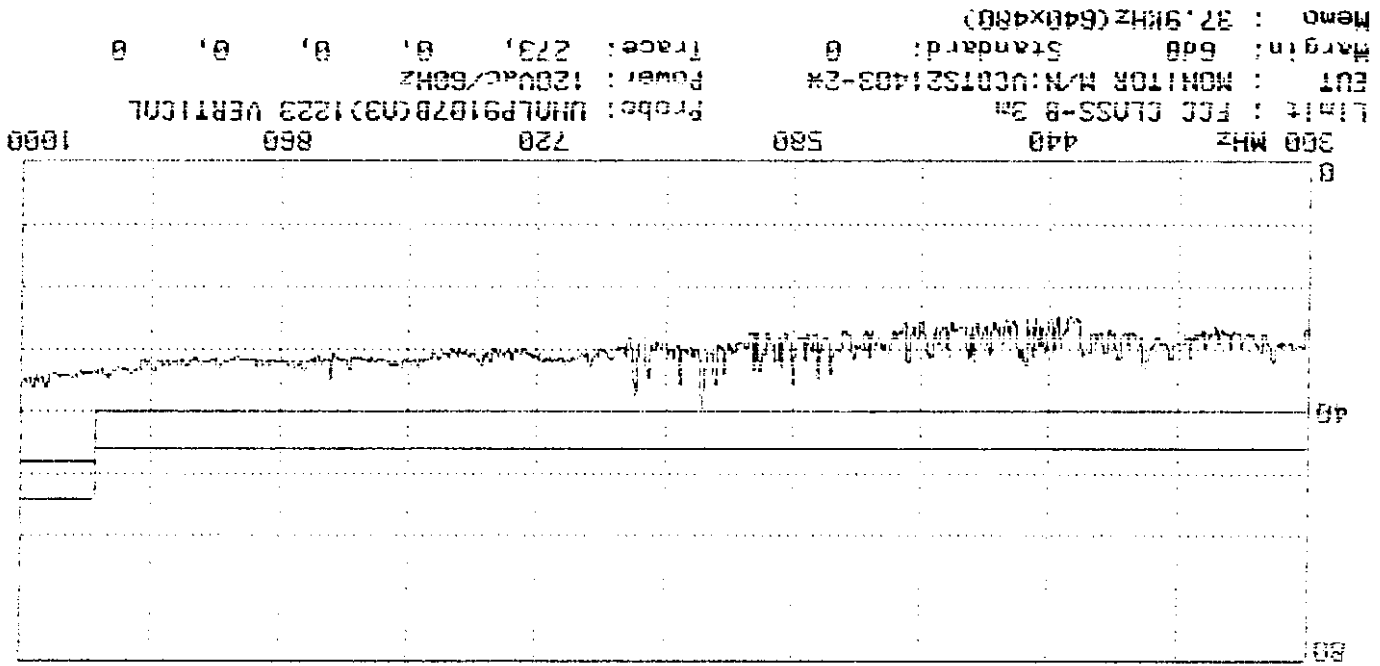
M/N: VCDTS21403-2\*  
EUT TO PC PAGE: 001.  
(PEAK VALUE) TTEMC.

APPENDIX II  
Radiated Test Data at Anechoic Chamber  
(Total Pages : 16)

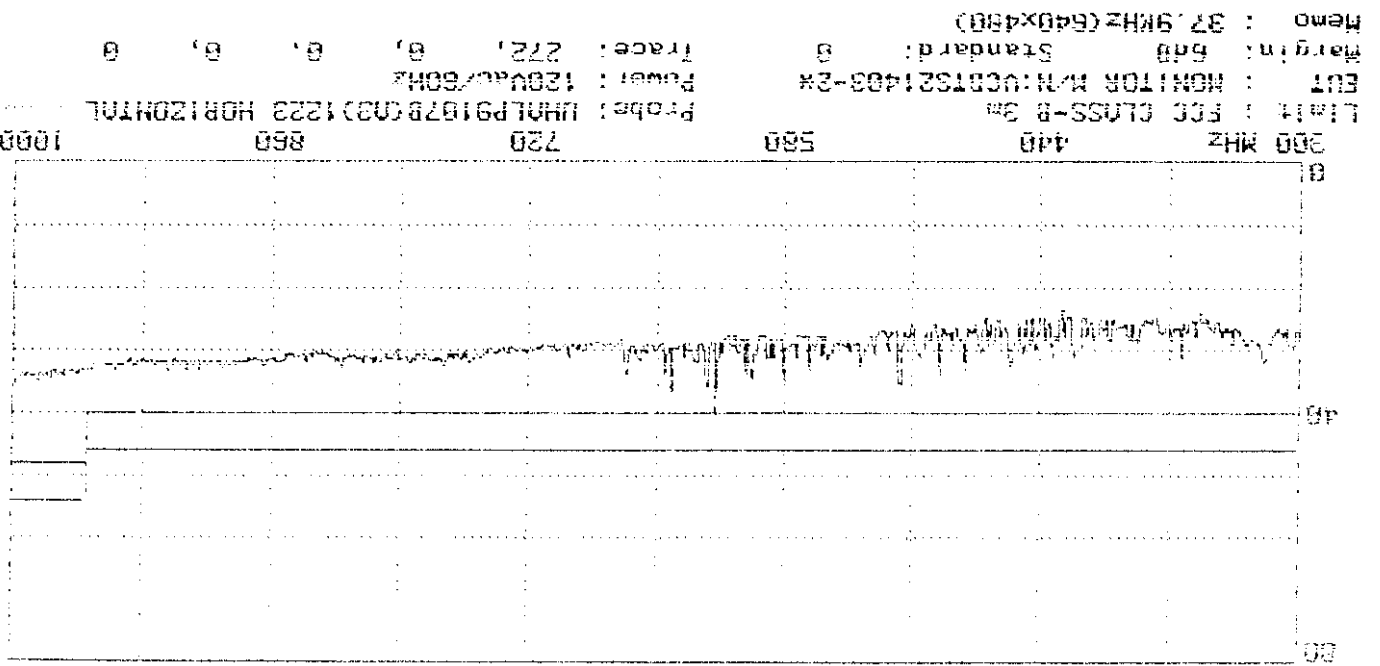








Page#: 273 SP File#: VIEWSONC.E1 Date: 11-21-1998 Time: 17:28:27  
 DBU/M ANECHOIC CHAMBER  
 TAIWAN TOKIN EMC ENG. CORP.

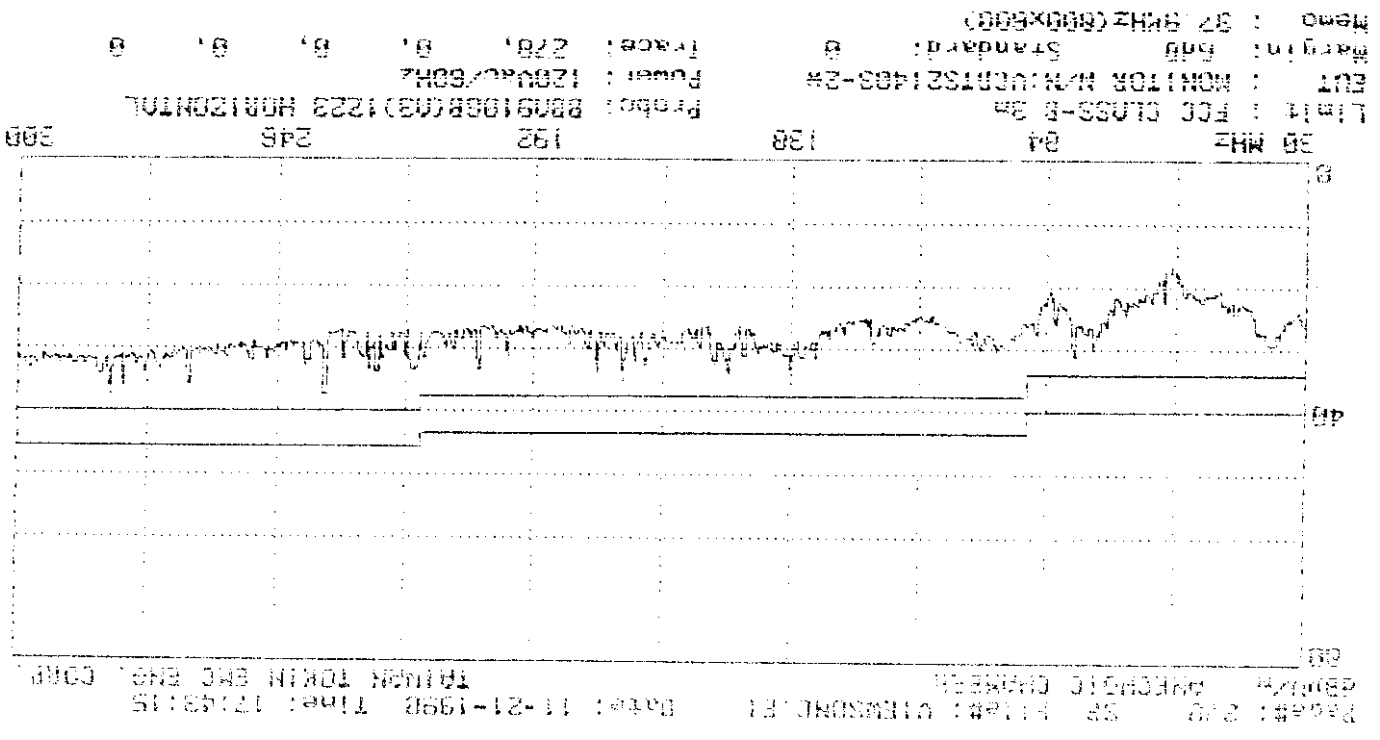
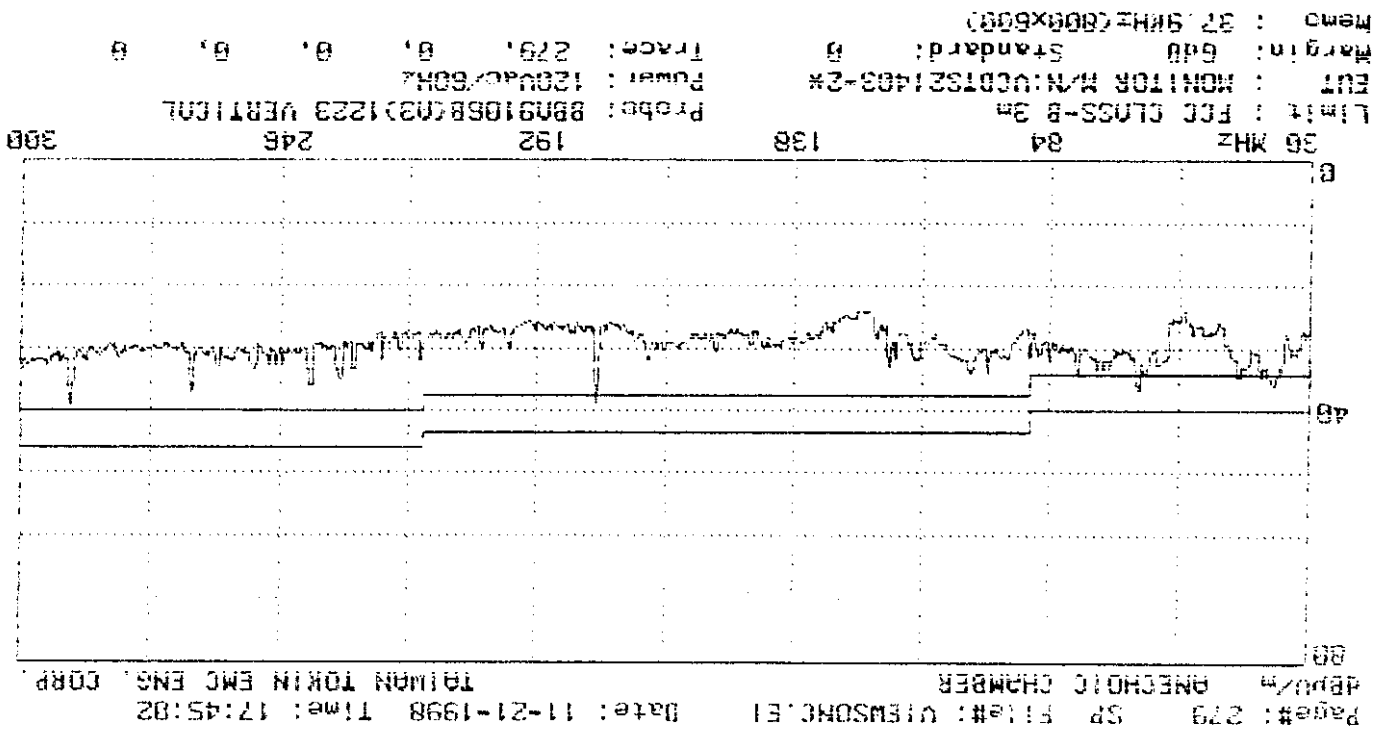


Page#: 272 SP File#: VIEWSONC.E1 Date: 11-21-1998 Time: 17:18:40  
 DBU/M ANECHOIC CHAMBER  
 TAIWAN TOKIN EMC ENG. CORP.

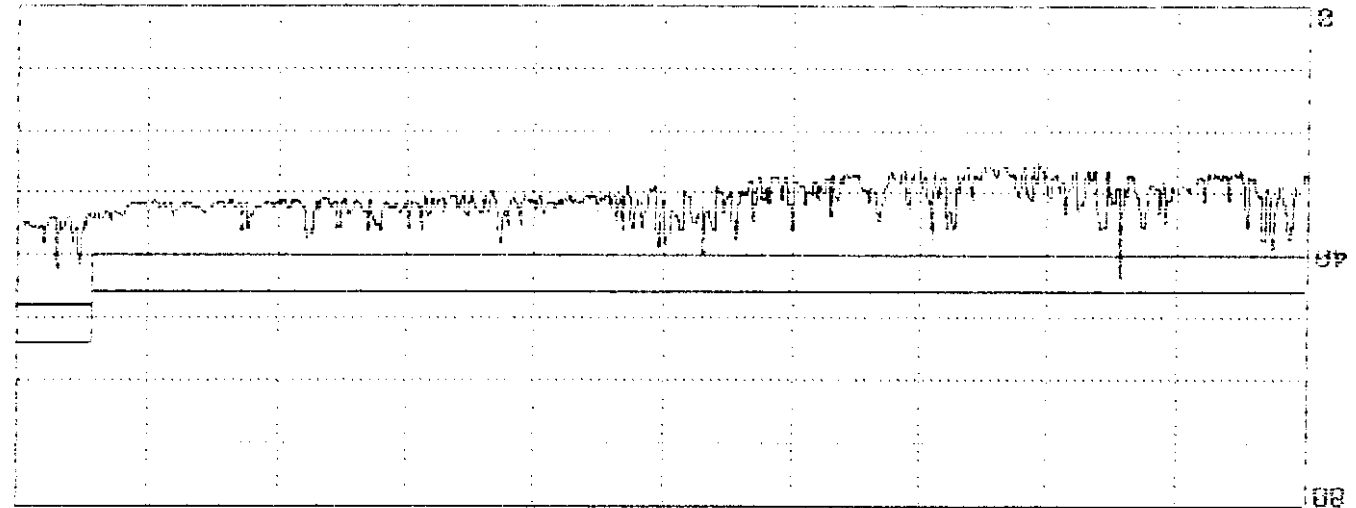
Limit: FCC CLASS-B 3m  
 EUT: MONITOR M/N:UC0T521403-2X  
 Margin: 6dB Standard: 0  
 Trace: 273, 0, 0, 0  
 Probe: UHLP1979(C03)1223 VERTICAL  
 Power: 120uW/60Hz  
 Memo: 37.9MHz(640x480)

Limit: FCC CLASS-B 3m  
 EUT: MONITOR M/N:UC0T521403-2X  
 Margin: 6dB Standard: 0  
 Trace: 272, 0, 0, 0  
 Probe: UHLP1979(C03)1223 HORIZONTAL  
 Power: 120uW/60Hz  
 Memo: 37.9MHz(640x480)



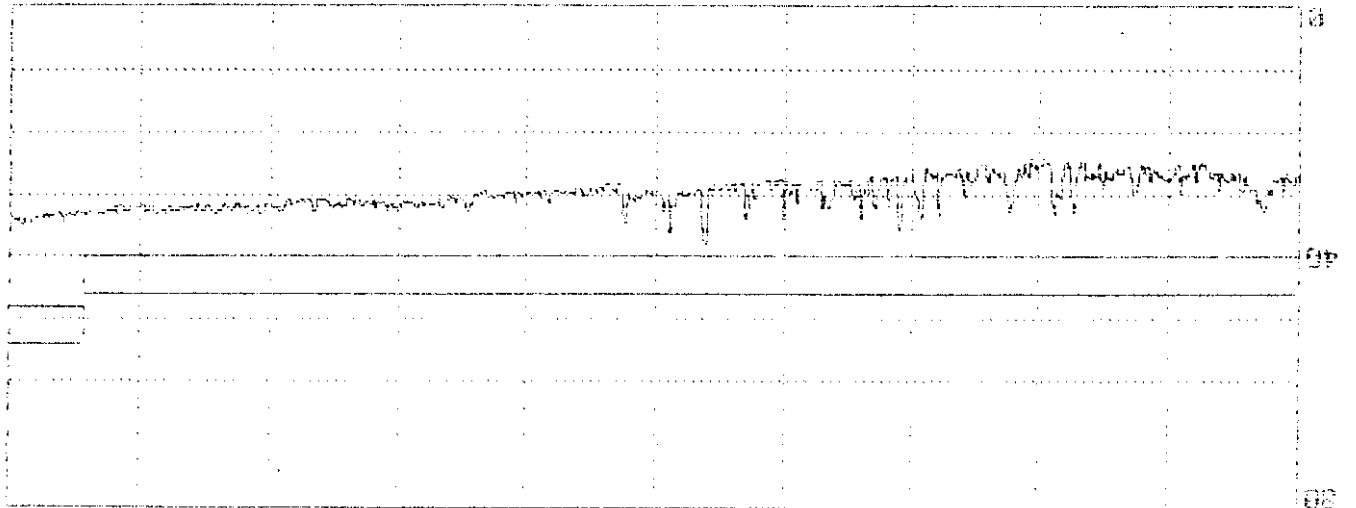


Memo : 37.9KHz (800x600)  
 Margin: 6dB Standard: 0  
 EUT : MONITOR M/N:UCBTS21403-2#  
 Limit : FCC CLASS-B 3m  
 Probe: UHL91078(C03)1223 VERTICAL  
 Power: 120VAC/60HZ  
 Trace: 201, 0, 0, 0

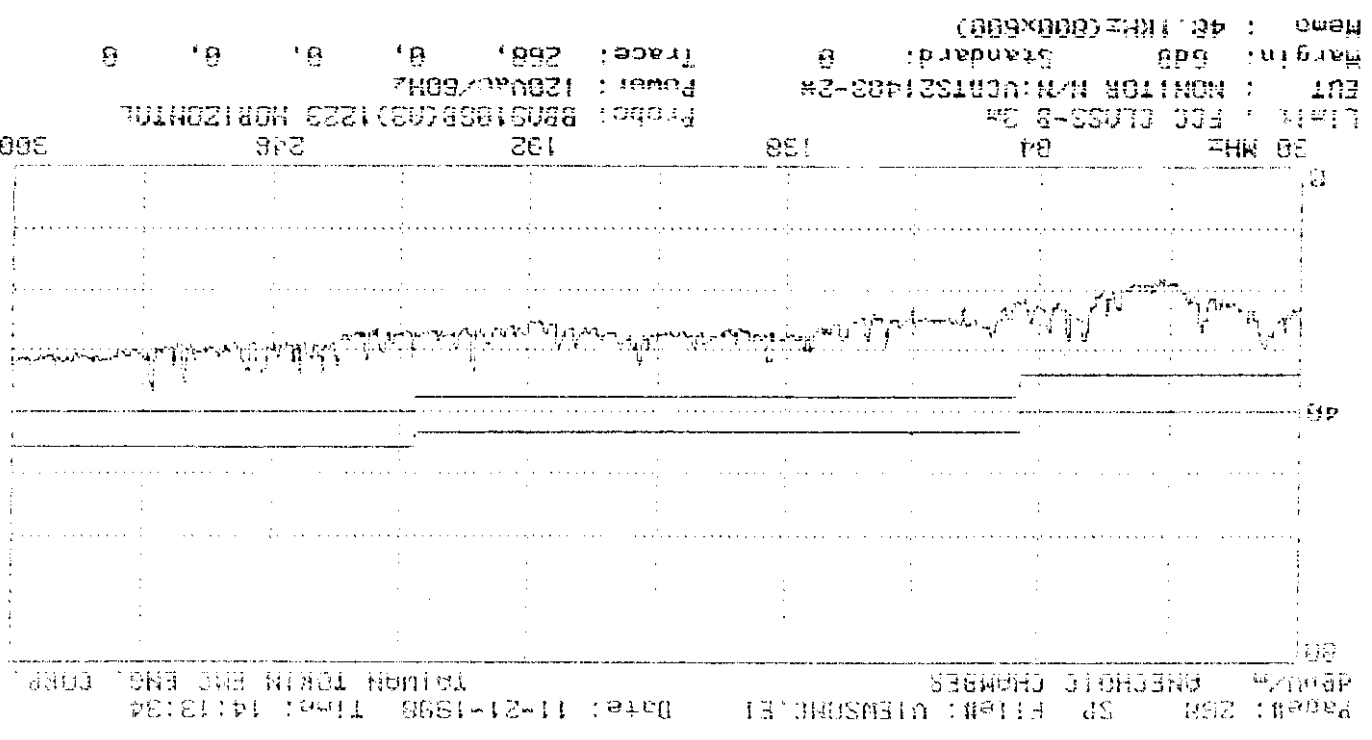
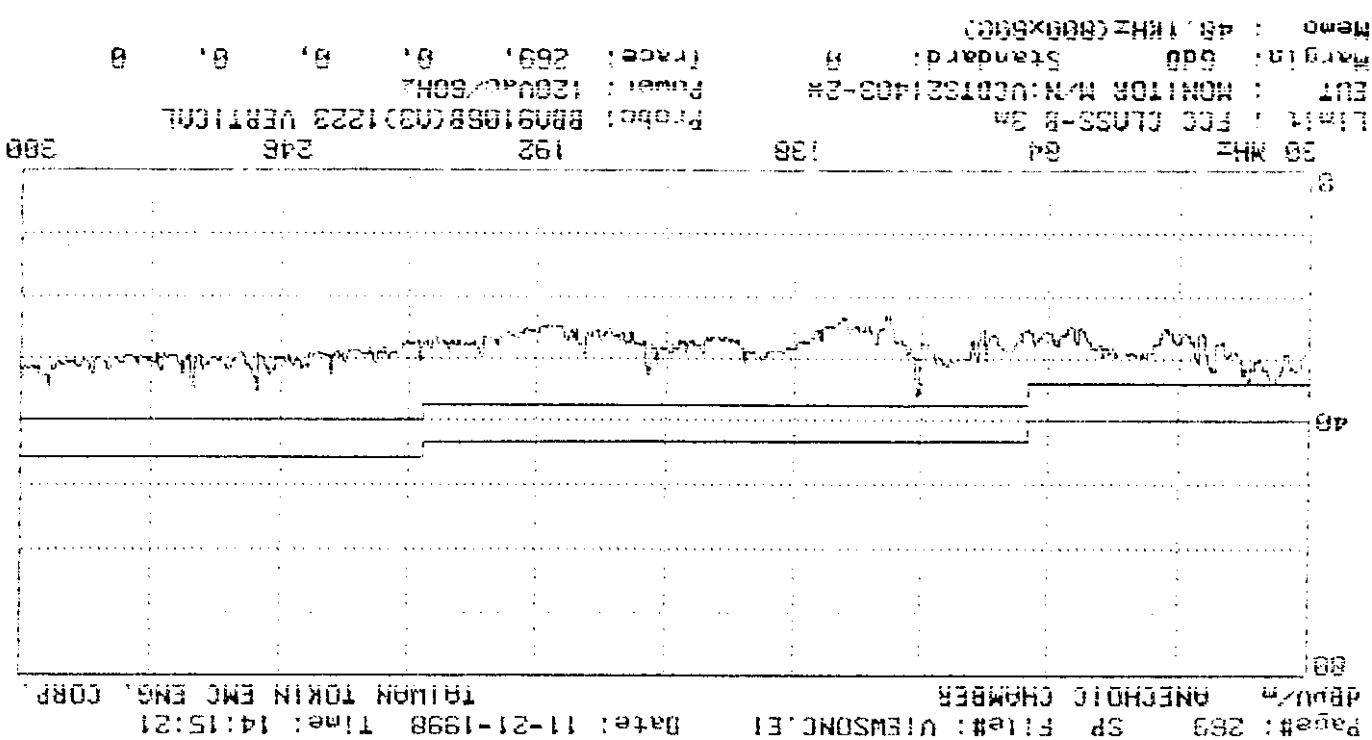


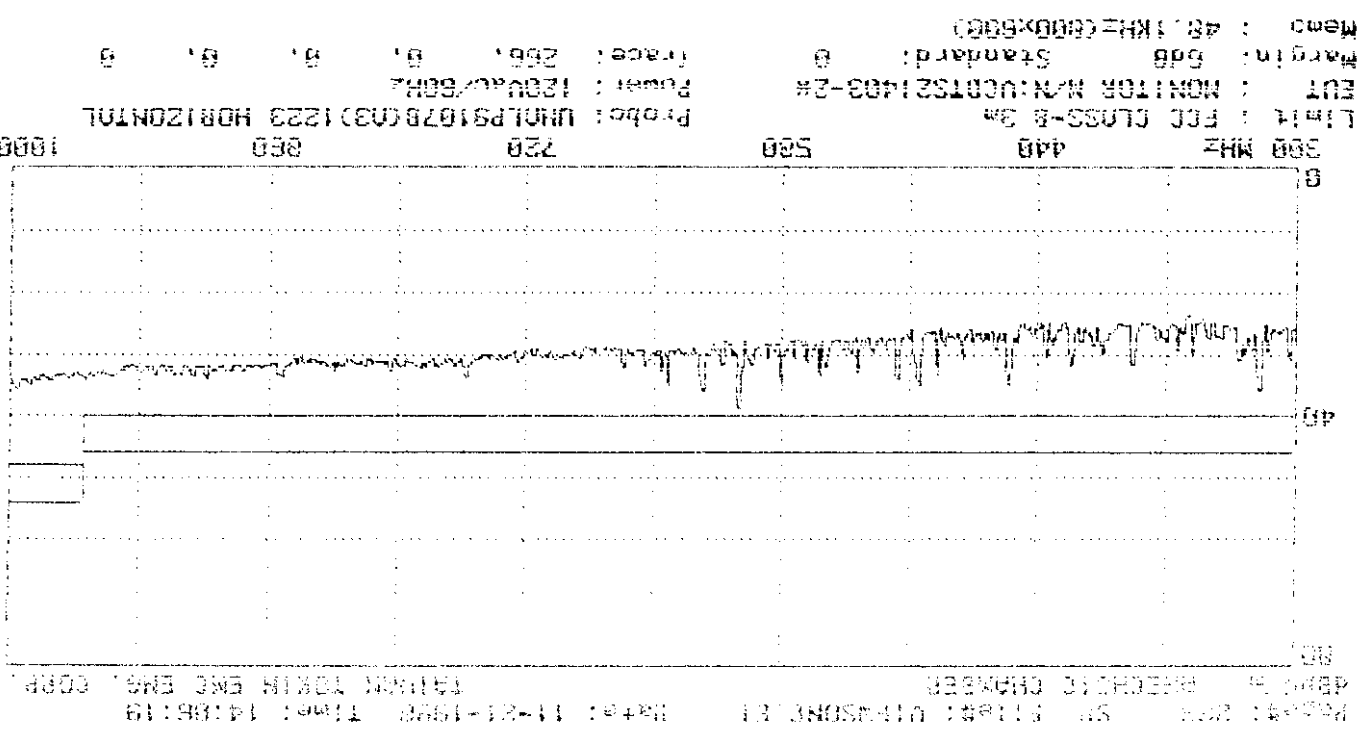
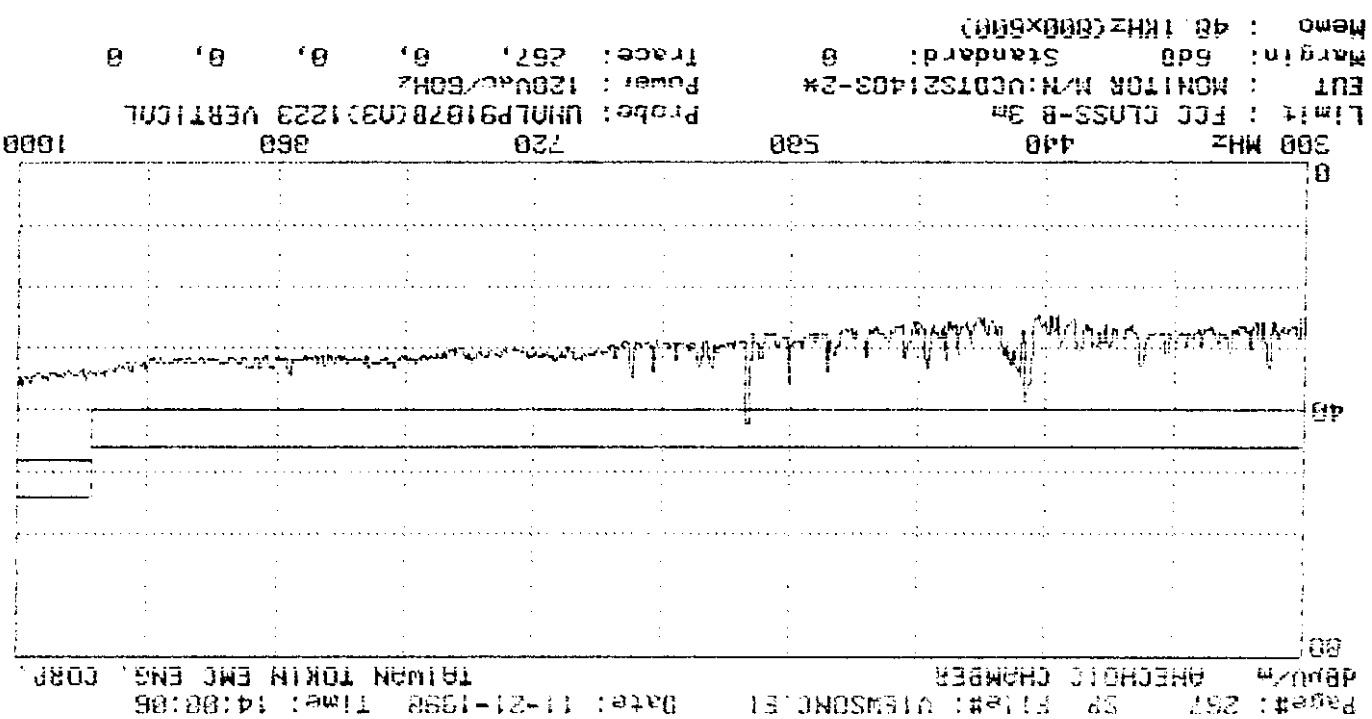
Page#: 201 SP File#: VIEWSONC.E1  
 Date: 11-21-1998 Time: 17:50:48  
 ANECHOIC CHAMBER  
 TAIWAN TOKIN EMC ENG. CORP.

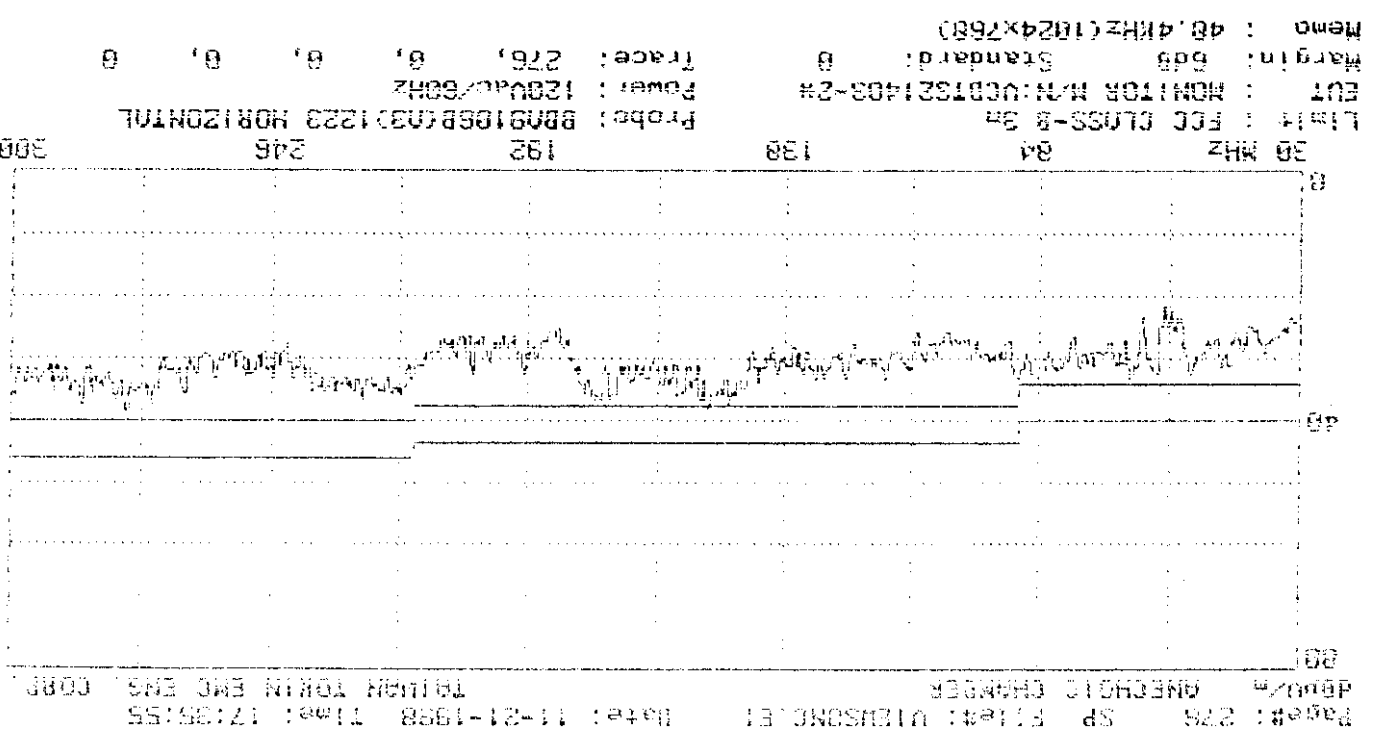
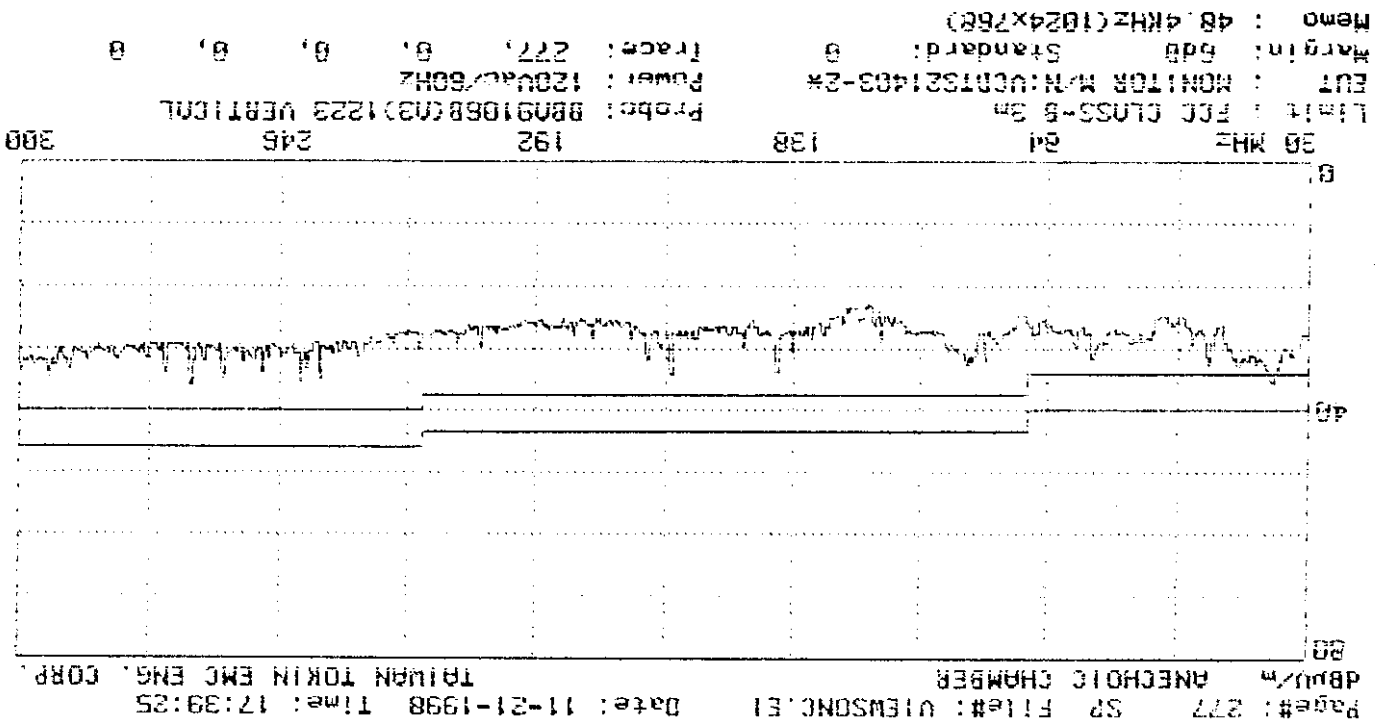
Memo : 37.9KHz (800x600)  
 Margin: 6dB Standard: 0  
 EUT : MONITOR M/N:UCBTS21403-2#  
 Limit : FCC CLASS-B 3m  
 Probe: UHL91078(C03)1223 HORIZONTAL  
 Power: 120VAC/60HZ  
 Trace: 200, 0, 0, 0

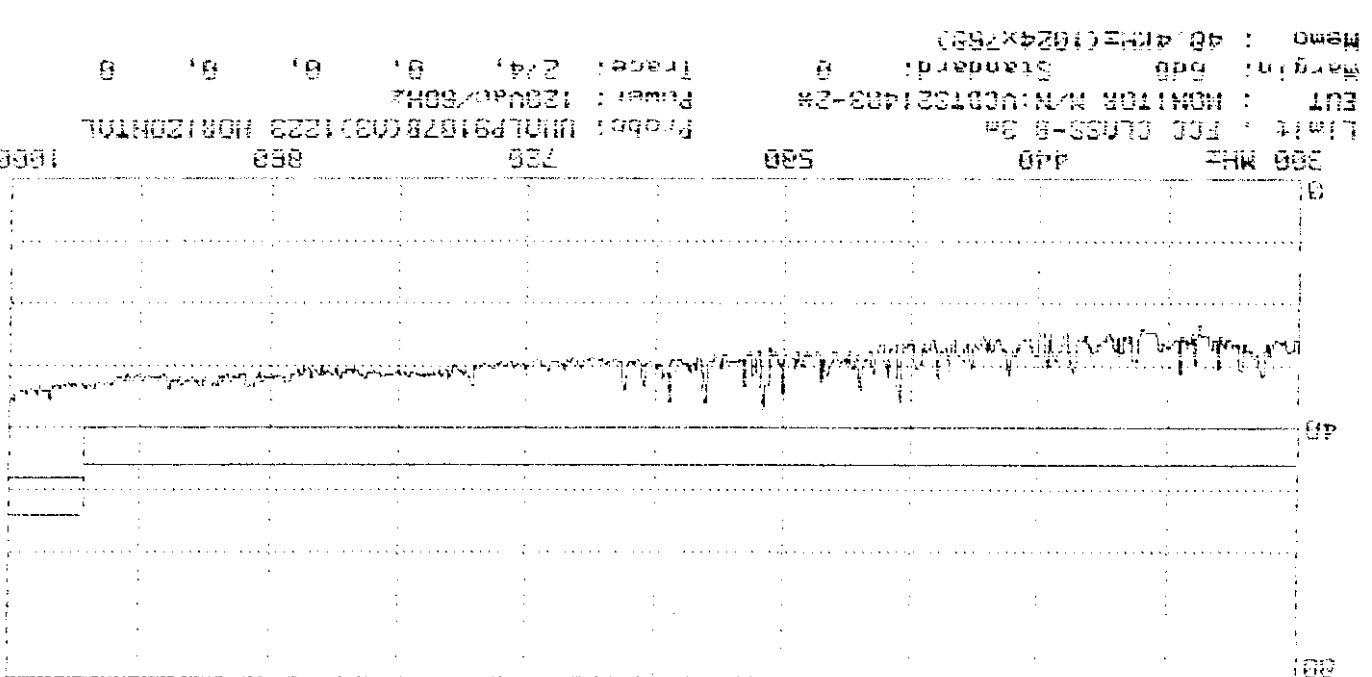
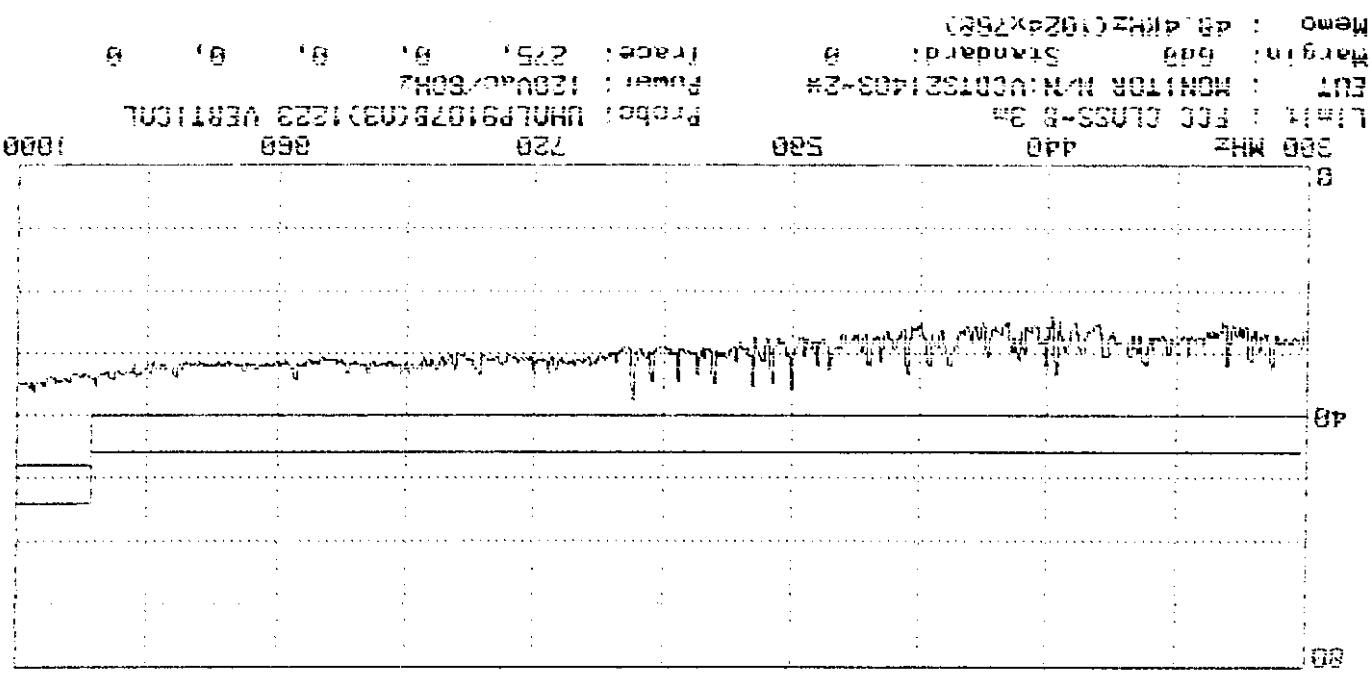


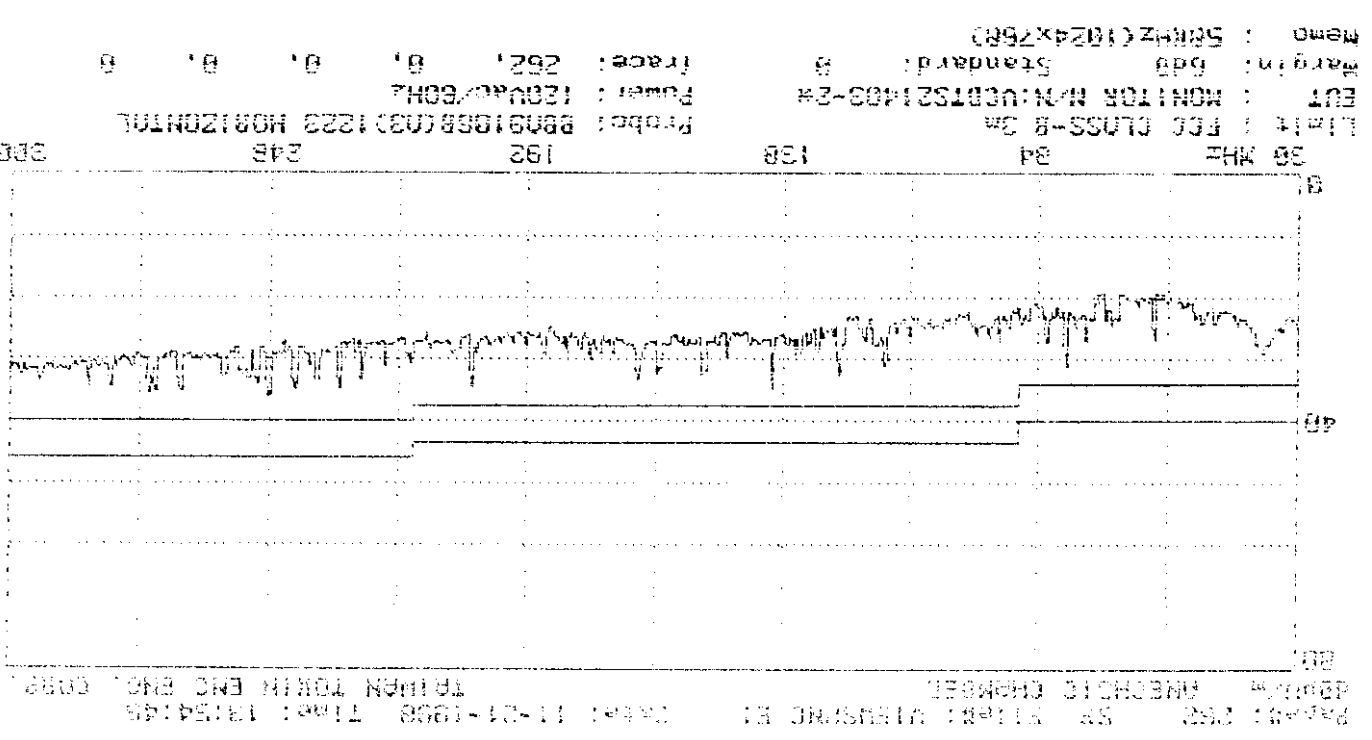
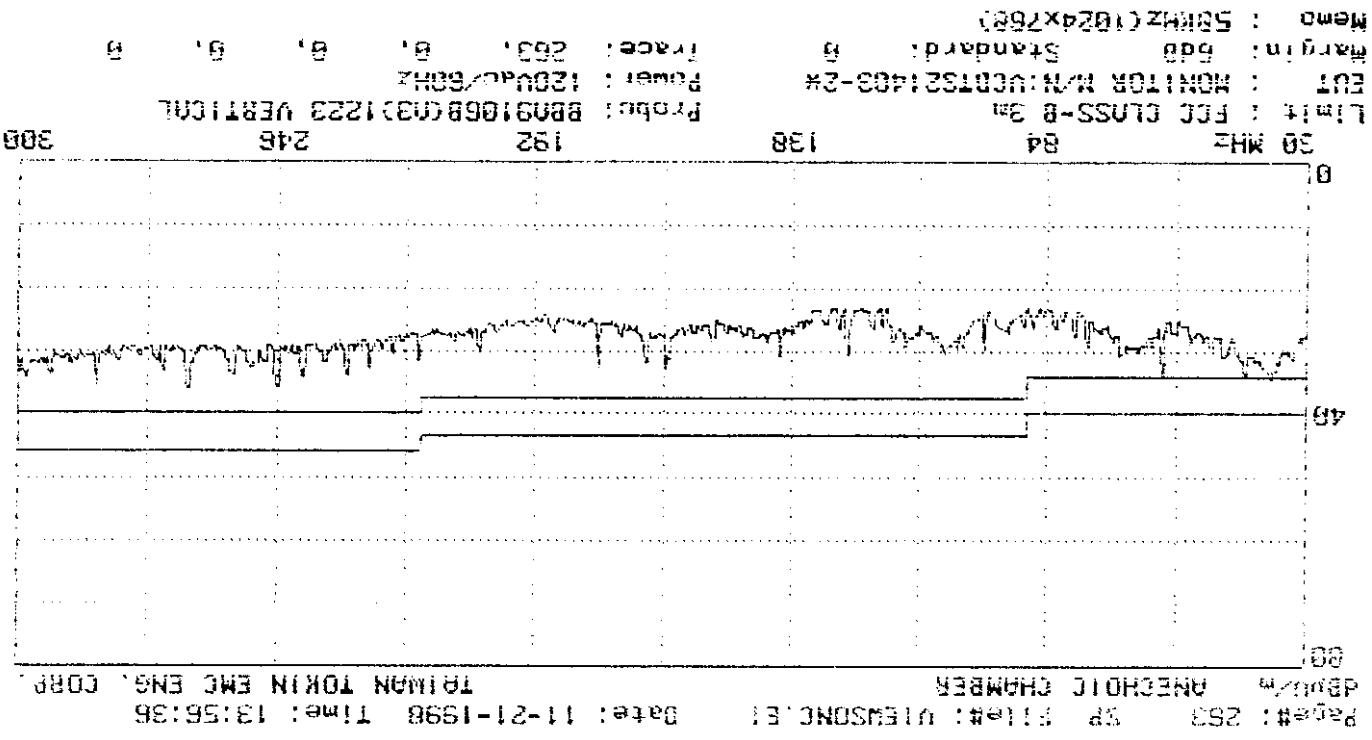
Page#: 200 SP File#: VIEWSONC.E1  
 Date: 11-21-1998 Time: 17:49:01  
 ANECHOIC CHAMBER  
 TAIWAN TOKIN EMC ENG. CORP.

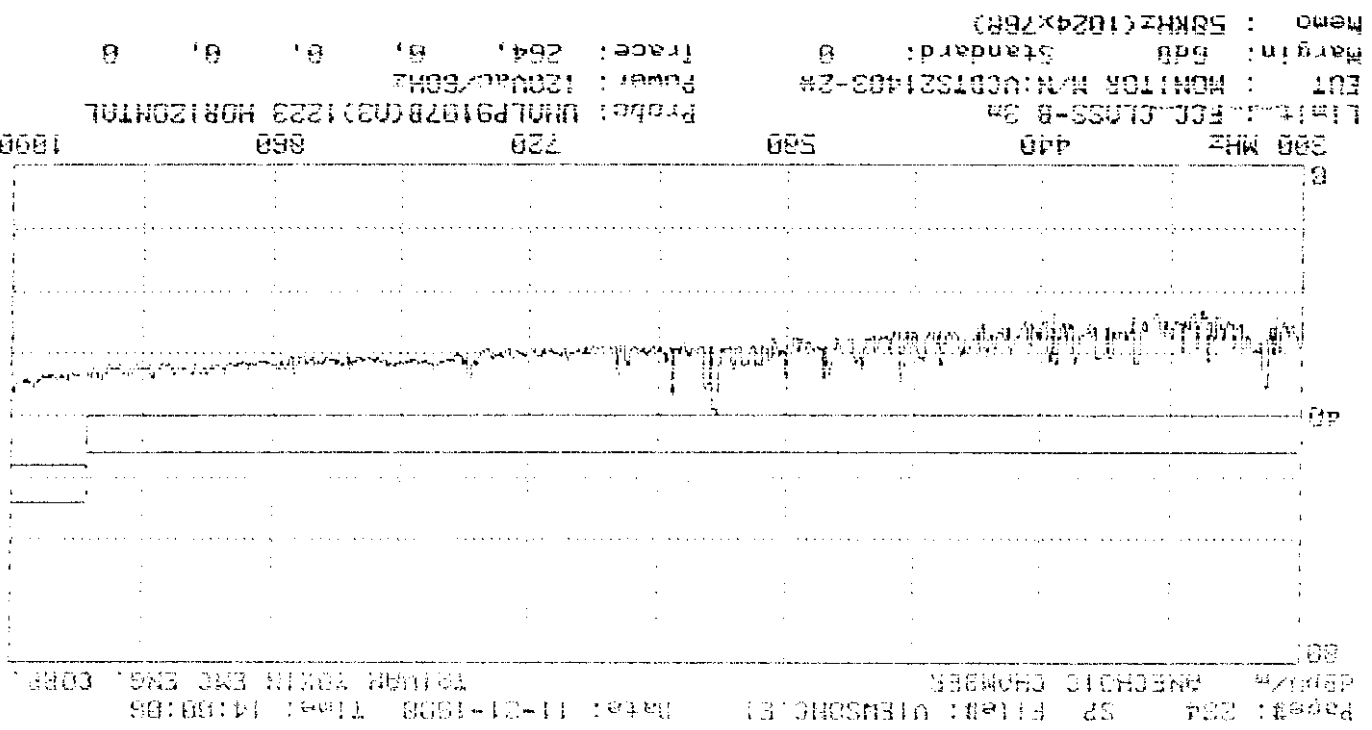
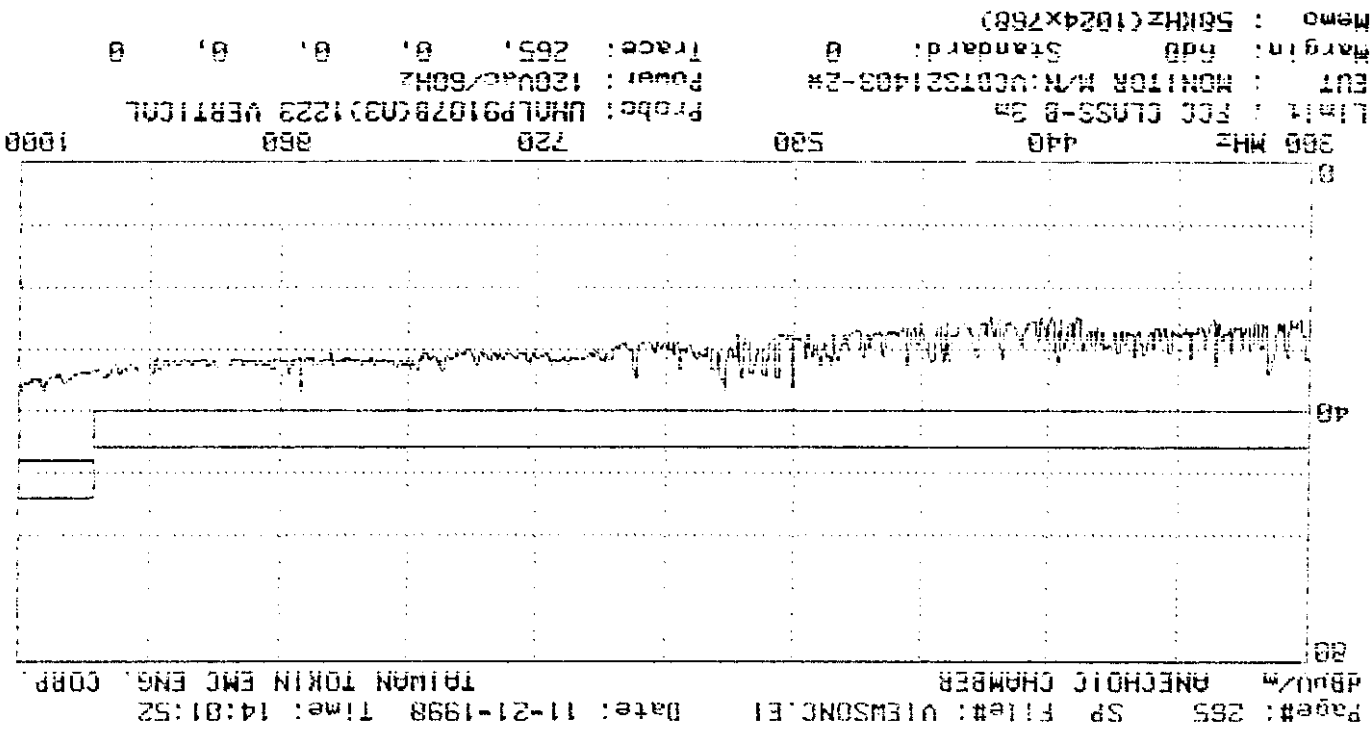




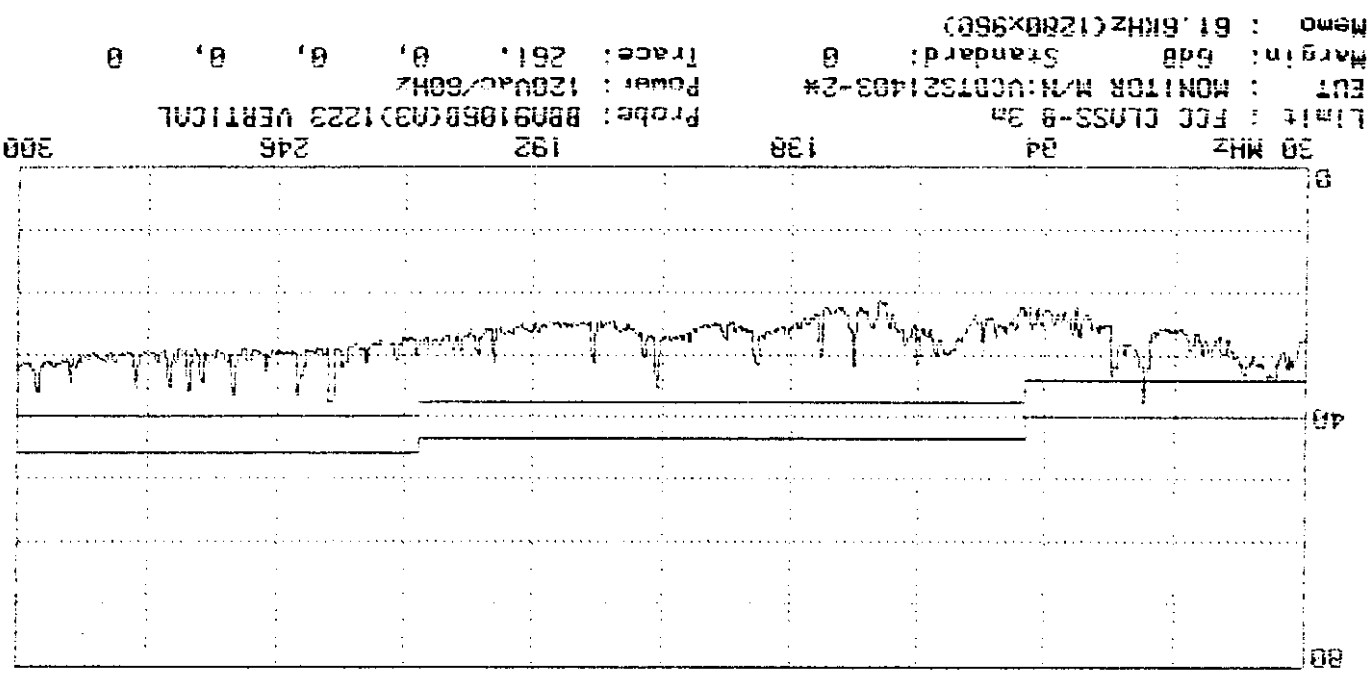




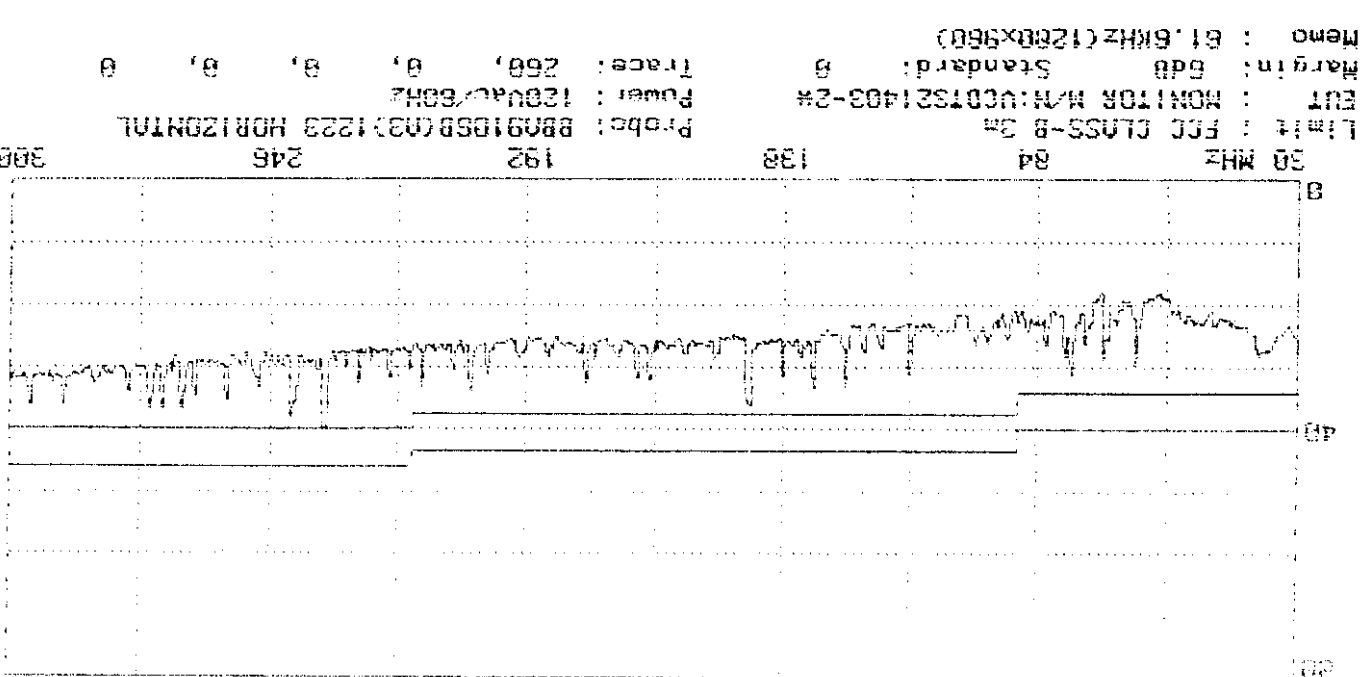








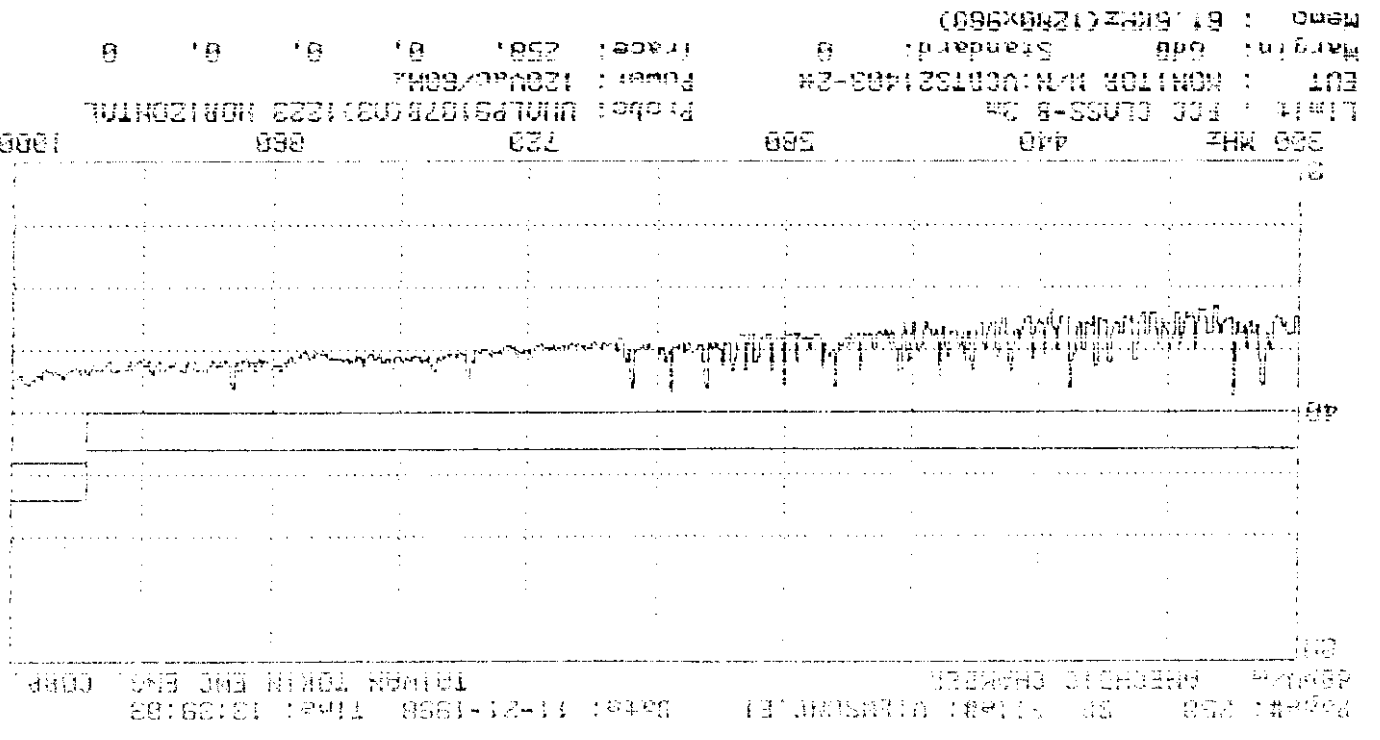
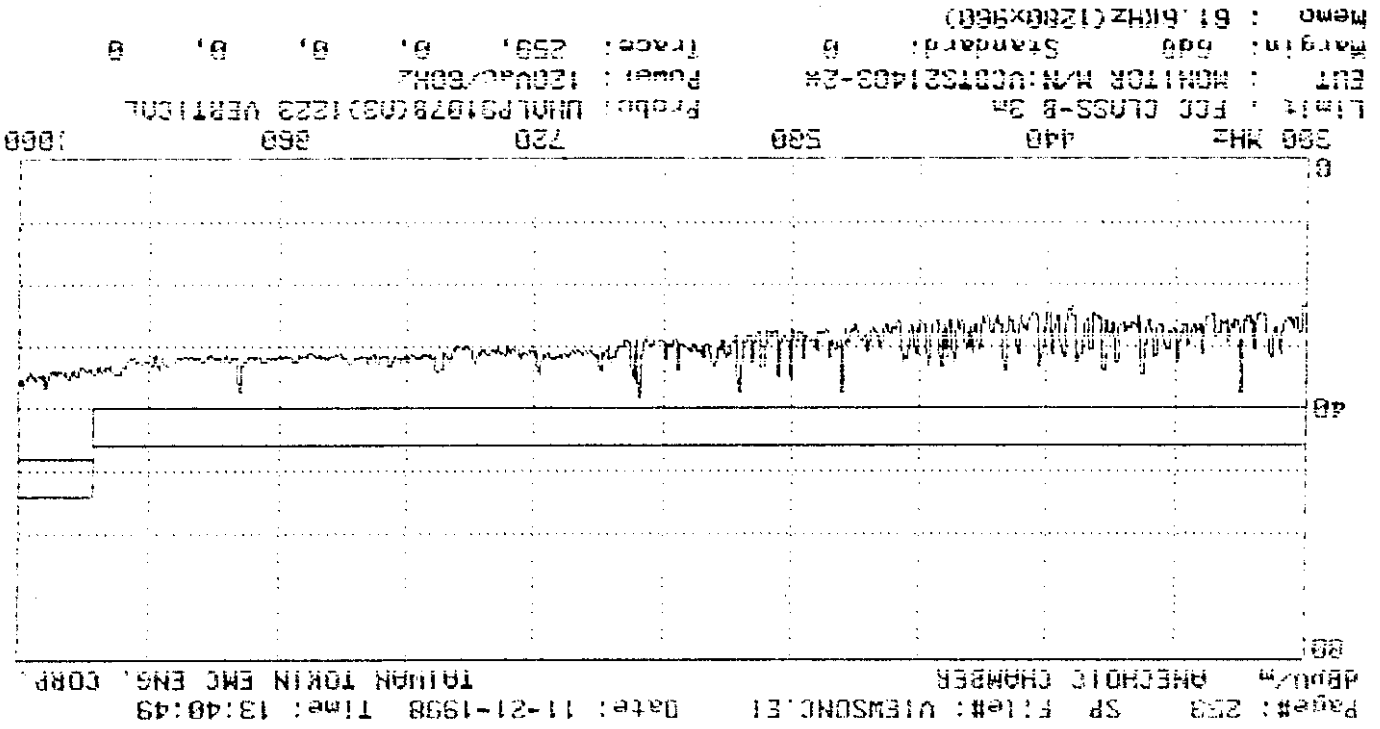
Page#: 281 SF File#: VIEWSONC.E1 Date: 11-21-1998 Time: 13:49:50  
 dBu/m ANECHOIC CHAMBER  
 TRIMAN TOKIN EMC ENG. CORP.

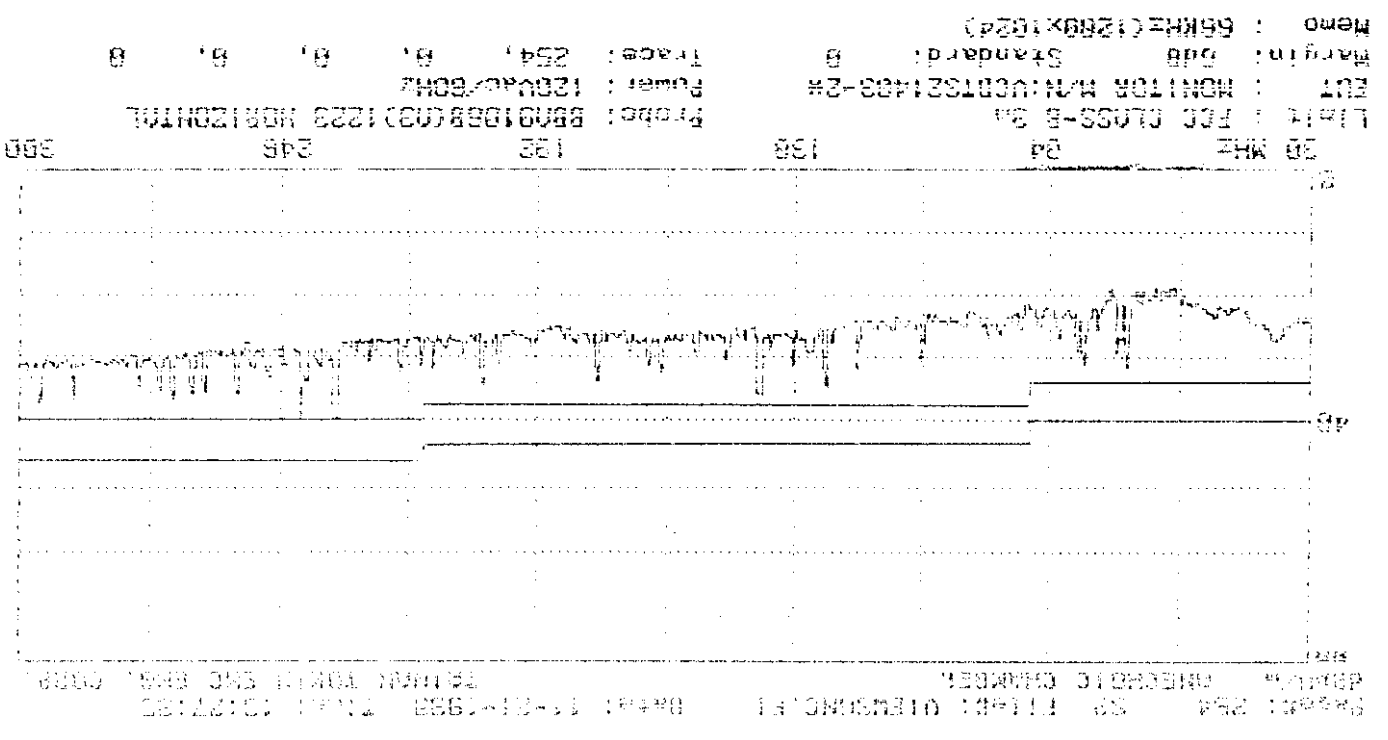
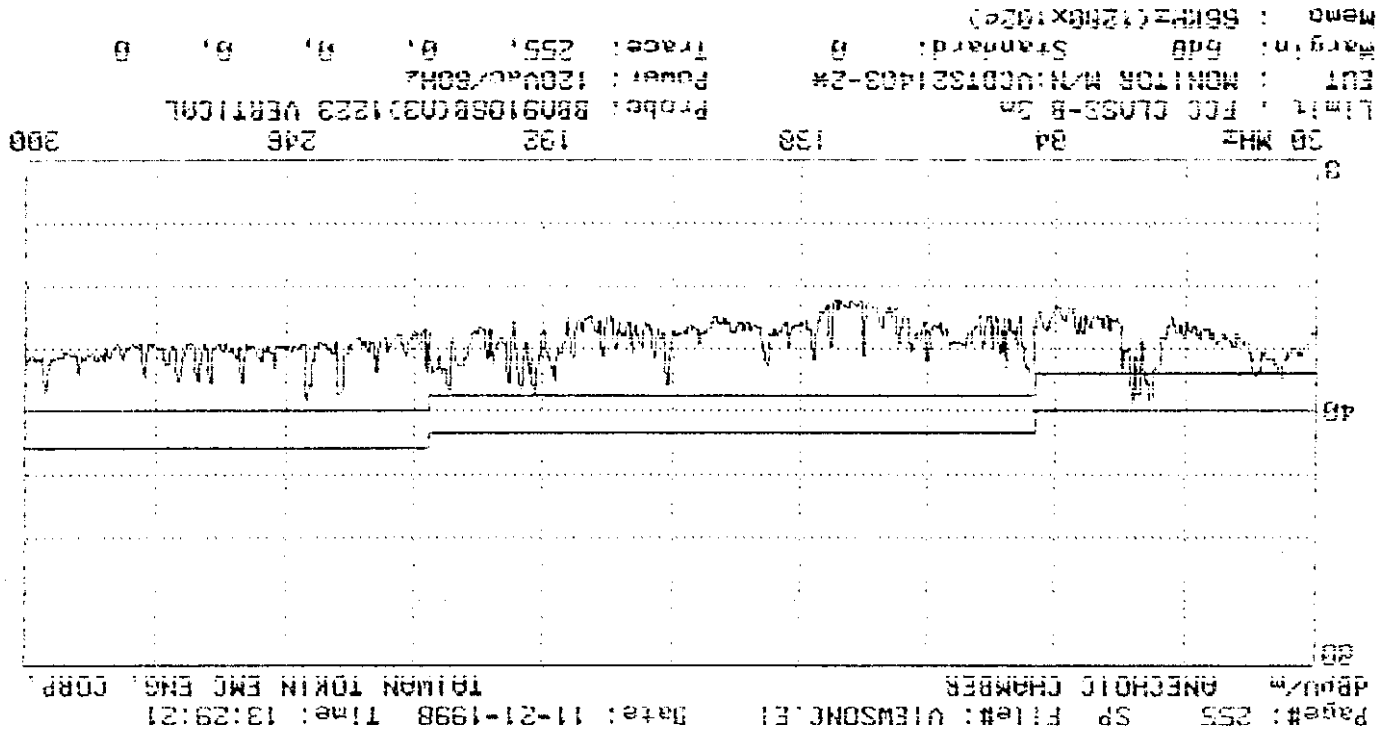


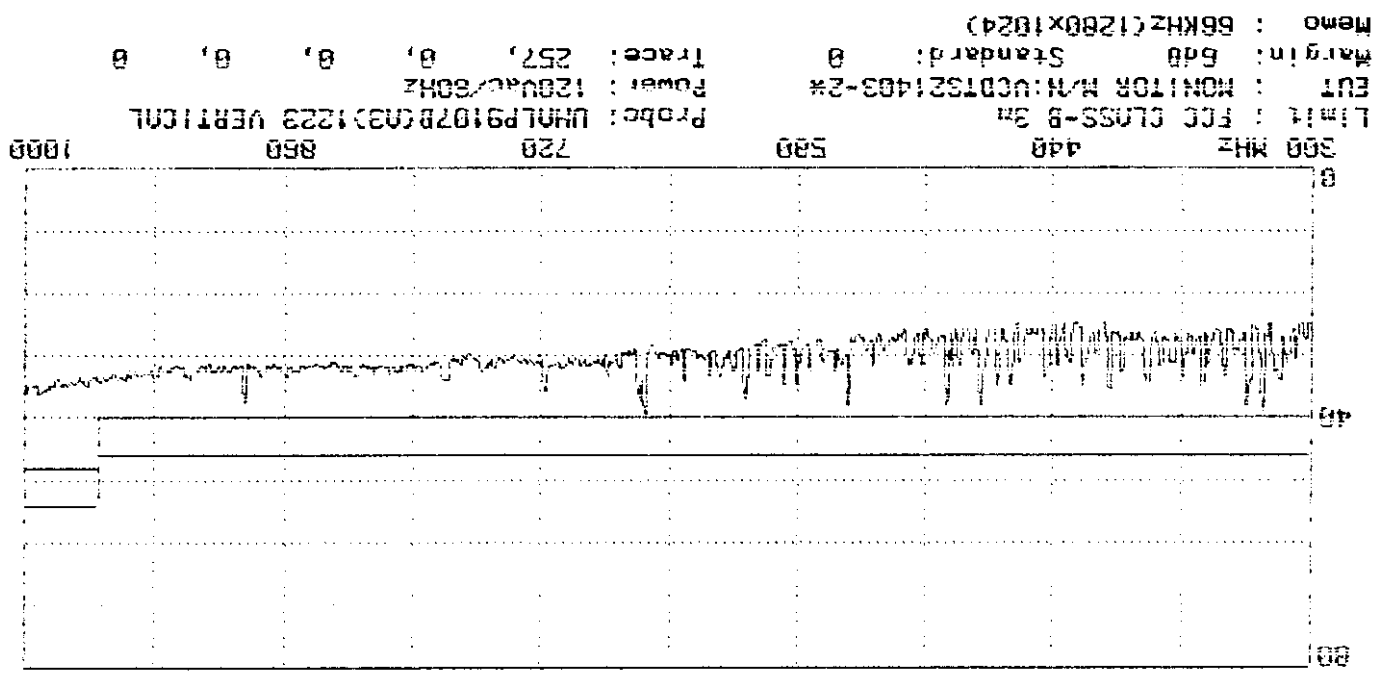
Page#: 282 SF File#: VIEWSONC.E1 Date: 11-21-1998 Time: 13:49:53  
 dBu/m ANECHOIC CHAMBER  
 TRIMAN TOKIN EMC ENG. CORP.

Memo : 61.6KHZ(1280X960)  
 Margin: 6dB Standard: 0  
 EUT : MONITOR M/N:UCDTS21403-2\*  
 Limit : FCC CLASS-B 3m  
 Probe: BB09105B(C03)1223 VERTICAL  
 Power: 120uA/60HZ  
 Trace: 261, 0, 0, 0, 0

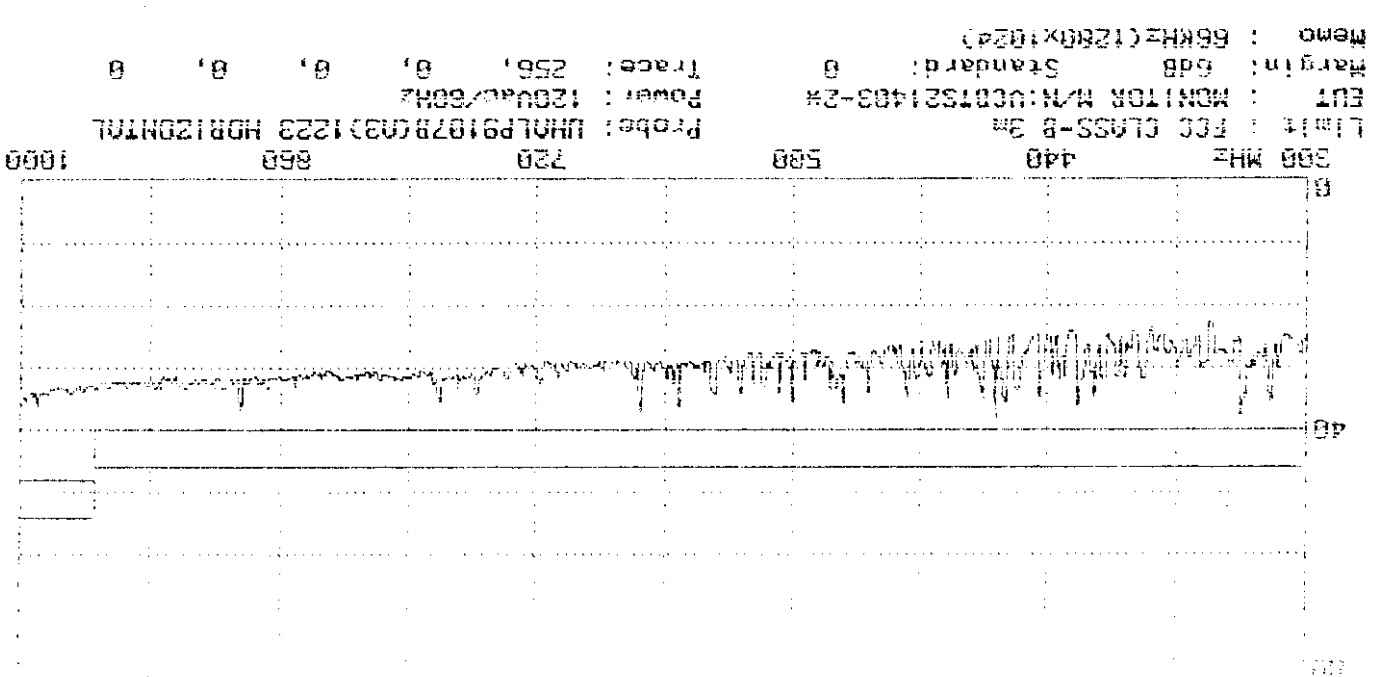
Memo : 61.6KHZ(1280X960)  
 Margin: 6dB Standard: 0  
 EUT : MONITOR M/N:UCDTS21403-2\*  
 Limit : FCC CLASS-B 3m  
 Probe: BB09105B(C03)1223 HORIZONTAL  
 Power: 120uA/60HZ  
 Trace: 260, 0, 0, 0, 0







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 PRC/TAIWA N TOKIN EMC ENG. CORP.



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 PRC/TAIWA N TOKIN EMC ENG. CORP.

Photographs

# EXHIBIT 6