APPLICATION FOR CERTIFICATION
On Behalf of
ViewSonic Corporation
21" Color CRT Display Monitor with USB Pedestal

Model : VCDTS21492-4*

FCC ID : GSS21013

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, 2609-2311
Fax : (02) 2609-9303

File Number	:	ATM-G99032
Report Number	:	TTEMC-F99026
Date of Test	:	Feb. 03 ~ Mar. 01, 1999
Date of Report	:	Mar. 06, 1999

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TEST REPORT CERTIFICATION

Applicant	:	ViewSonic Corporation
Manufacturer	:	ViewSonic Corporation
FCC ID	:	GSS21013
EUT Description	:	21" Color CRT Display Monitor with USB Pedestal
		(A) MODEL NO. : VCDTS21492-4*
		(B) SERIAL NO. : FX9110003
		(C) POWER SUPPLY : AC 120V/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 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 : Feb. 03 ~ Mar. 01, 1999

Prepared by : _____ 3.10.99'
(SHELENE HOU)

Test Engineer : _____ 3.11.1999
(ALLEN WANG)

Approve & Authorized Signer : _____ 3/11/'99
(JACKIE DENG)

1. GENERAL INFORMATION

1.1. Description of Device (EUT)

Description	:	21" Color CRT Display Monitor with USB Pedestal
Model Number	:	VCDTS21492-4*
		"*" is Alphabet suffix A to Z or 1to 9.
Serial Number	:	FX9110003
Applicant	:	ViewSonic Corporation
		381 Brea Canyon Rd., Walnut, CA 91789, U.S.A.
Manufacturer	:	ViewSonic Corporation
		381 Brea Canyon Rd., Walnut, CA 91789, U.S.A.
CRT	:	Panasonic, M/N M51LRF280X
Data Cable # 1 (D-Sub)	:	Shielded, Detachable, 1.5m Bonded two ferrite cores
Data Cable # 2 (D-Sub)	:	Shielded, Detachable, 1.8m Bonded two ferrite cores
Data Cable # 3 (D-Sub)	:	Shielded, Detachable, 3m Bonded two ferrite cores
Data Cable # 4 (BNC)	:	Shielded, Detachable, 1.8m
USB Pedestal	:	Matsushita Electric Industrial Co., Ltd. M/N TY-LD68AZ Cable : Non-Shielded, Undetachable, 0.7m Bonded a ferrite core (USB to EUT)
USB Data Cable	:	Shielded, Detachable, 1.8m (USB to PC)
Monitor Control (DIN)	:	Shielded, Detachable, 0.65m (USB to EUT)

Power Cord	:	Non-Shielded, Detachable, 1.8m
Date of Receipt of Sample	:	Feb. 01, 1999
Date of Test	:	Feb. 03 ~ Mar. 01 , 1999

1.2. Tested Supporting System Details

1.2.1. PERSONAL COMPUTER

Model Number	:	D4594B
Serial Number	:	SG74350121
FCC ID	:	By DoC
Manufacturer	:	Hewlett Packard
VGA Card	:	Matrox Graphics, M/N 79075010153 (MGA-MIL/2/DIP) S/N CAJ92909 FCC ID ID7057600
Power Cord	:	Non-Shielded, Detachable, 1.8m

1.2.2. KEYBOARD

Model Number	:	RT6656TWJP
Serial Number	:	31470782
FCC ID	:	AQ6-MTN4C15
Manufacturer	:	Hewlett Packard
Data Cable	:	Shielded, Undetachable, 1.3m

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	:	980034392
FCC ID	:	IFAXDM1414
Manufacturer	:	Aceex
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	:	980034391
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. PS2 MOUSE

Model Number	:	M-S34
Serial Number	:	LZ64952349
FCC ID	:	DZL211029
Manufacturer	:	Hewlett Packard
Data Cable	:	Shielded, Undetachable, 2.0m

1.2.7. USB MOUSE # 1 (to EUT)

Model Number	:	ECM-S3906
Serial Number	:	0000031
FCC ID	:	EW4ECM-S3906
Manufacturer	:	Mitsumi Electronics Corp.
Data Cable	:	Shielded, Undetachable, 1.6m

1.2.8. USB MOUSE # 2 (to EUT)

Model Number	:	ECM-S3906
Serial Number	:	0000036
FCC ID	:	EW4ECM-S3906
Manufacturer	:	Mitsumi Electronics Corp.
Data Cable	:	Shielded, Undetachable, 1.6m

1.2.9. USB MOUSE # 3 (to EUT)

Model Number	:	ECM-S3906
Serial Number	:	0000052
FCC ID	:	EW4ECM-S3906
Manufacturer	:	Mitsumi Electronics Corp.
Data Cable	:	Shielded, Undetachable, 1.6m

1.2.10. USB MOUSE # 4 (to EUT)

Model Number	:	ECM-S3906
Serial Number	:	0000065
FCC ID	:	EW4ECM-S3906
Manufacturer	:	Mitsumi Electronics Corp.
Data Cable	:	Shielded, Undetachable, 1.6m

1.2.11. USB MOUSE # 5 (to PC)

Model Number	:	M-UB48
Serial Number	:	LZB81900209
FCC ID	:	DZL211137
Manufacturer	:	Logitech
Data Cable	:	Shielded, Undetachable, 1.8m

1.2.12. JOYSTICK

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

1.2.13. SPEAKER # 1

Model Number	:	J-008
Serial Number	:	97-C-009783-T
Manufacturer	:	(J-S) JAZZ HIPSTER
Data Cable	:	Non-Shielded, Undetachable, 1m

1.2.14. SPEAKER # 2

Model Number	:	J-008
Serial Number	:	97-C-008926-T
Manufacturer	:	(J-S) JAZZ HIPSTER
Data Cable	:	Non-Shielded, Undetachable, 1m

1.2.15. WALKMAN

Model Number	:	RQ-P35LT-K
Serial Number	:	HA08465
Manufacturer	:	Panasonic
Data Cable	:	Non-Shielded, Detachable, 1.8m

1.2.16. MICROPHONE

Model Number	:	HD-303
Serial Number	:	N/A
Manufacturer	:	Multimedia Microphone System
Data Cable	:	Non-Shielded, Undetachable, 2.2m

1.2.17. EARPHONE # 1

Model Number	:	N/A
Serial Number	:	N/A
Manufacturer	:	Panasonic
Data Cable	:	Non-Shielded, Undetachable, 1.1m

1.2.18. EARPHONE # 2

Model Number	:	N/A
Serial Number	:	N/A
Manufacturer	:	Panasonic
Data Cable	:	Non-Shielded, Undetachable, 1.1m

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.
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

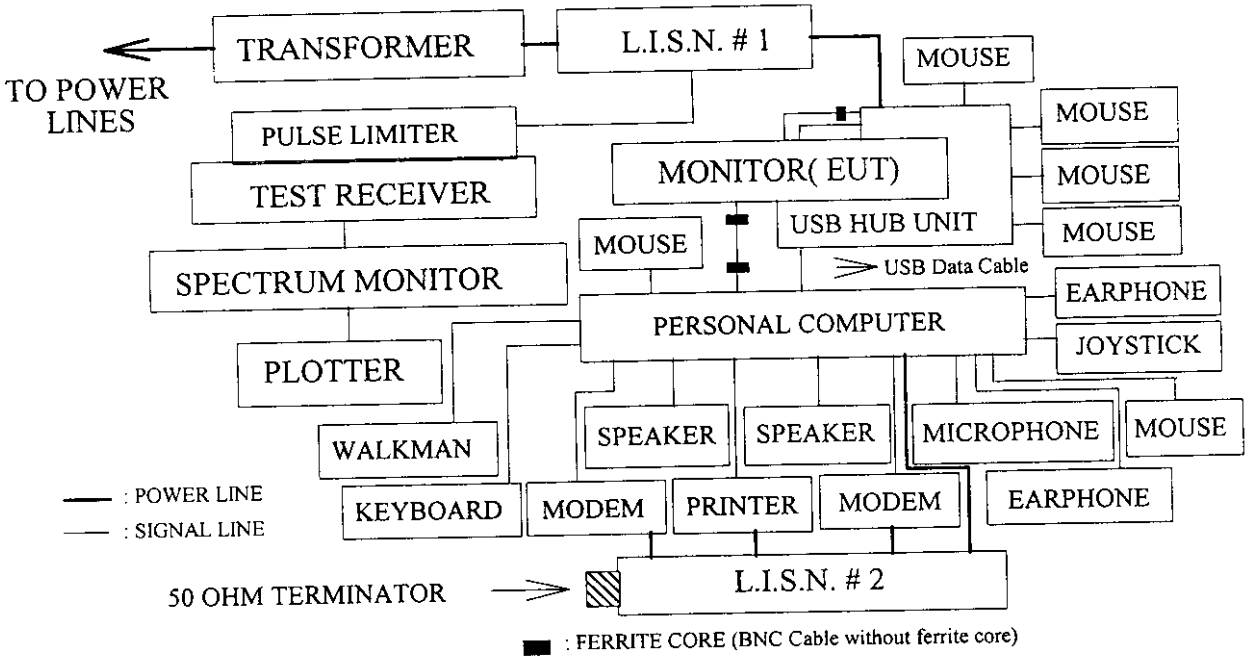
2. POWERLINE CONDUCTED TEST

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



2.3. Powerline Conducted 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's Configuration during Compliance Measurement

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

2.4.1. 21" Color CRT Display Monitor with USB Pedestal (EUT)

Model Number	:	VCDTS21492-4*
Serial Number	:	FX9110003
Manufacturer	:	ViewSonic Corporation
CRT	:	Panasonic, M/N M51LRF280X
Data Cable # 1 (D-Sub)	:	Shielded, Detachable, 1.5m Bonded two ferrite cores
Data Cable # 2 (D-Sub)	:	Shielded, Detachable, 1.8m Bonded two ferrite cores
Data Cable # 3 (D-Sub)	:	Shielded, Detachable, 3m Bonded two ferrite cores
Data Cable # 4 (BNC)	:	Shielded, Detachable, 1.8m
USB Pedestal	:	Matsushita Electric Industrial Co., Ltd. M/N TY-LD68AZ Cable : Non-Shielded, Undetachable, 0.7m Bonded a ferrite core (USB to EUT)
USB Data Cable	:	Shielded, Detachable, 1.8m (USB to PC)
Monitor Control (DIN)	:	Shielded, Detachable, 0.65m (USB to EUT)
Power Cord	:	Non-Shielded, Detachable, 1.8m

2.4.2. Supporting System : 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 read data from disk.

2.5.4. Personal Computer sent "H" character to the monitor (EUT) and the screen displayed and full with "H" pattern.

2.5.5. The other peripheral devices were driven and operated in turn during all testing.

2.5.6. Repeat the above procedures from 2.5.3 to 2.5.5.

2.6. Test Procedure

The EUT was 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 during conducted measurement.

The bandwidth of the R&S Test Receiver ESH3 was set at 10kHz.

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

Three kinds of horizontal working frequency with four kinds of data cables were investigated during pre-scanning and reported the three worst test modes (with 3m D-Sub Data Cable) in section 2.7., the others test data were attached within Appendix I. The detail of test modes are as follows :

Three kinds of display frequency :

	640*480 (Hf : 31.5kHz)		1600*1200 (Hf : 115.0kHz)		1800*1440 (Hf : 105.0kHz)	
(a) Dot Clock Frequency	25.175	MHz	239.35	MHz	250	MHz
(b) Vertical Frequency	50	Hz	180	Hz	70	Hz
(c) Horizontal Frequency	30	kHz	115	kHz	105	kHz

Four kinds of data cable :

(1) 1.5m D-Sub data cable with two ferrite cores
(2) 1.8m D-Sub data cable with two ferrite cores
(3) 3.0m D-Sub data cable with two ferrite cores
(4) 1.8m BNC data cable

2.7. Line Conducted RF Voltage Measurement Results

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

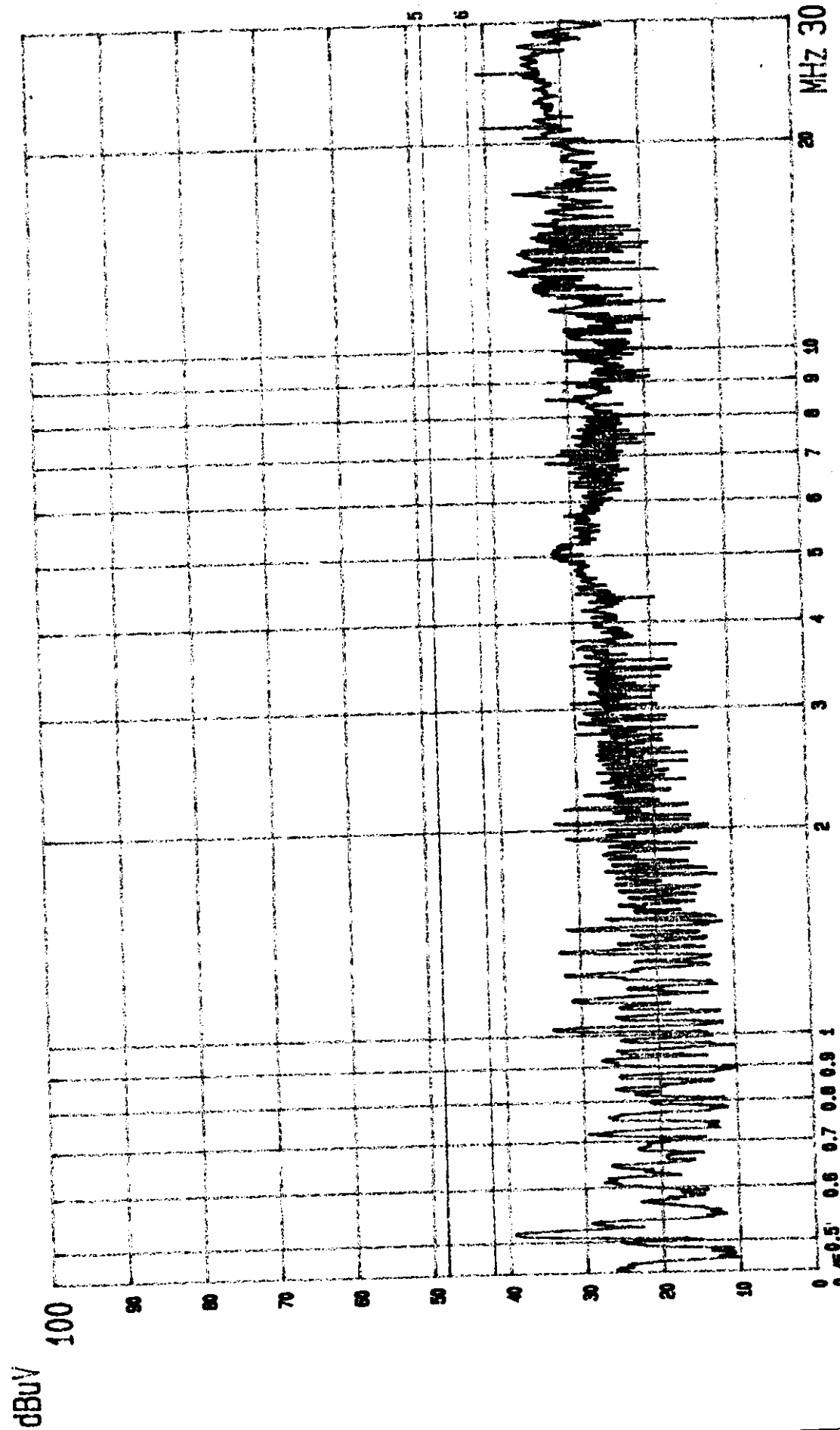
Date of Test : Feb. 10, 1999 Temperature : 20℃

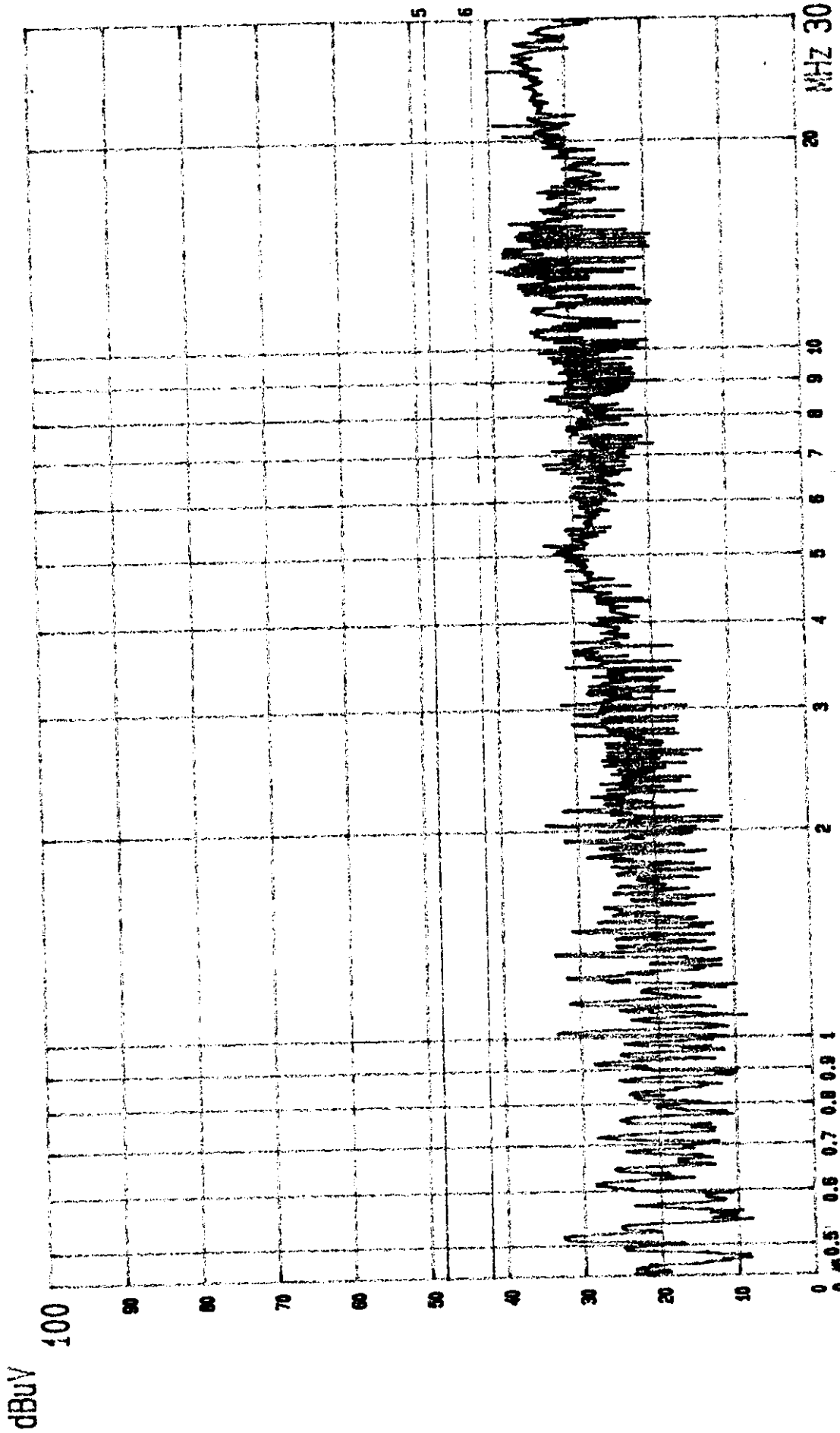
EUT : 21" Color CRT Display Monitor with USB Pedestal Humidity : 45%

Test Mode : 31.5kHz/640*480 with 3m D-Sub Data Cable

Frequency (MHz)	Factor dB	Measurement (dBuV)		Reading (dBuV)		Limits (dBuV)	Margin (dBuV)	
		VA	VB	VA	VB		VA	VB
0.5104	0.5	37.8	31.5	38.3	32.0	48.0	9.7	16.0
1.0135	0.5	30.1	30.2	30.6	30.7	48.0	17.4	17.3
1.3161	0.5	30.2	30.8	30.7	31.3	48.0	17.3	16.7
2.0313	0.5	31.6	33.1	32.1	33.6	48.0	15.9	14.4
5.0699	0.8	30.8	*	31.6	*	48.0	16.4	*
5.1654	0.8	*	31.6	*	32.4	48.0	*	15.6
21.0426	**1.1**	36.1	**38.1**	37.2	**39.2**	**48.0**	10.8	**8.8**

Remark :
1. All reading were Quasi-Peak values.
2. Factor = Insertion Loss + Cable Loss
3. The worst emission was detected at 21.0426MHz with corrected signal level of 39.2dBuV (limit was 48dBuV) when the VB side of the EUT was connected to L.I.S.N.


dBuV
100
90
80
70
60
50
40
30
20
10
0.45 0.5 0.6 0.7 0.8 0.9 1
2
3
4
5
6
7
8
9
10
20
30 MHz
Date 10-FEB '99 Time 21:09:35
VIEW SONIC
EUT: MONITOR
M/N: VCDTS21492-4*
PAGE: 002
MEMO: (640X480; 31.5KHz) 3.0M D-SUB
(PEAK VALUE) TTEMC.
LINE: VA.


dBuV
100
90
80
70
60
50
40
30
20
10
0.4 0.5 0.6 0.7 0.8 0.9 1 2 3 4 5 6 7 8 9 10 20 30 MHz
Date 10.FEB '99 Time 21:07:22
EUT: MONITOR
MEMO: (640X480; 31.5KHz) 3.0M D-SUB
M/N: VCDTS21492-4*
(PEAK VALUE) TTEMC.
PAGE: 001.
VIEW SONIC
LINE: VB.

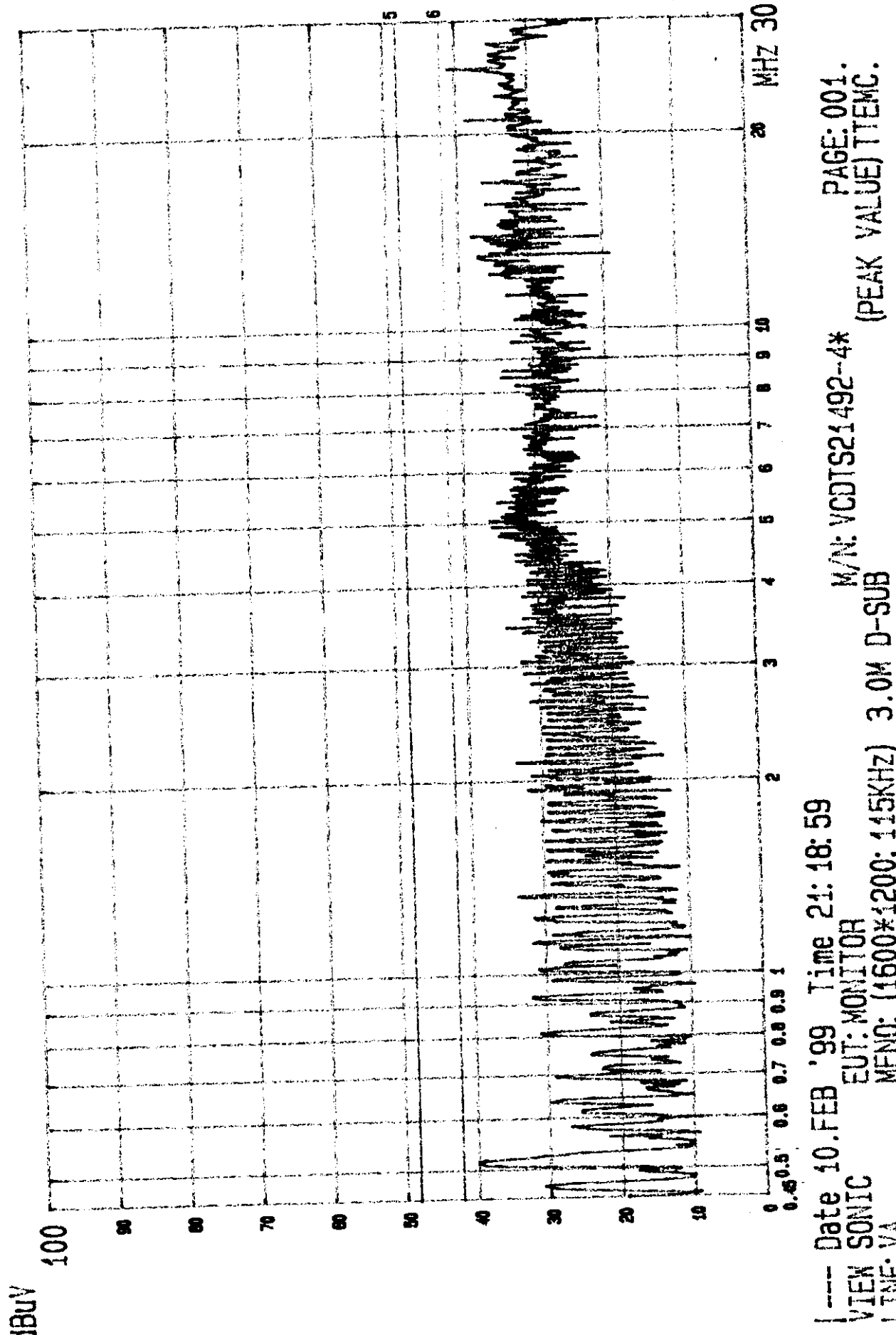
Date of Test : Feb. 10, 1999 Temperature : 20℃

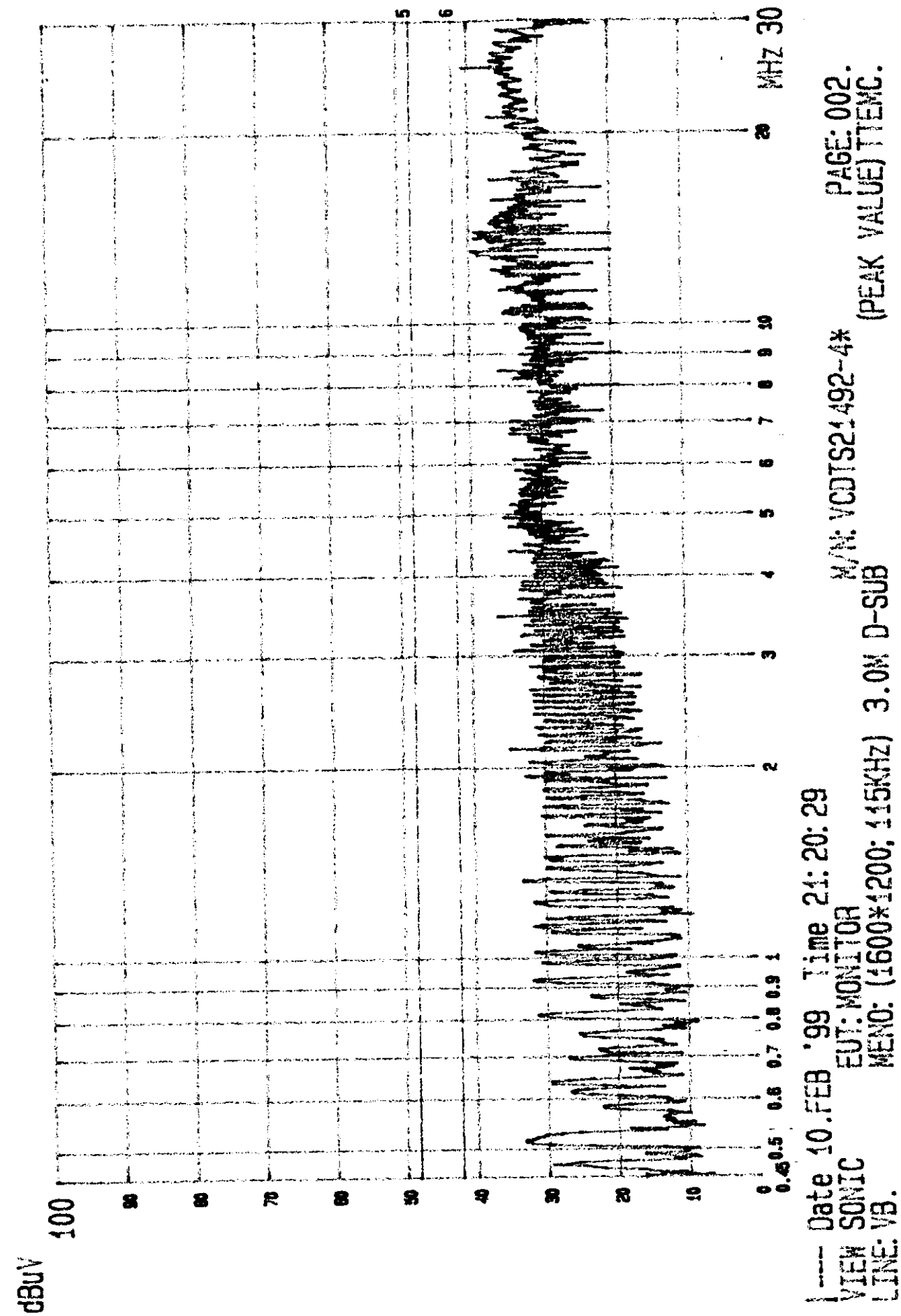
EUT : 21" Color CRT Display Monitor with USB Pedestal Humidity : 45%

Test Mode : 115kHz/1600*1200 with 3m D-Sub Data Cable

Frequency (MHz)	Factor dB	Measurement (dBuV)		Reading (dBuV)		Limits (dBuV)	Margin (dBuV)	
		VA	VB	VA	VB		VA	VB
0.5104	0.5	37.7	30.2	38.2	30.7	48.0	9.8	17.3
0.9189	0.5	30.2	27.3	30.7	27.8	48.0	17.3	20.2
1.3161	0.5	30.6	30.3	31.1	30.8	48.0	16.9	17.2
4.9292	0.8	34.1	34.2	34.9	35.0	48.0	13.1	13.0
12.9520	1.0	35.8	35.6	36.8	36.6	48.0	11.2	11.4
25.2429	**1.2**	38.6	**38.7**	39.8	**39.9**	**48.0**	8.2	**8.1**

Remark :
1. All reading were Quasi-Peak values.
2. Factor = Insertion Loss + Cable Loss
3. The worst emission was detected at 25.2429MHz with corrected signal level of 39.9dBuV (limit was 48dBuV) when the VB side of the EUT was connected to L.I.S.N.


dBuV
100
90
80
70
60
50
40
30
20
10
0
0.45 0.5 0.6 0.7 0.8 0.9 1
2
3
4
5
6
7
8
9
10
20
MHz 30
Date 10.FEB '99 Time 21:18:59
M/N: VCDTS21492-4*
PAGE: 001.
VIEW SONIC EUT: MONITOR (PEAK VALUE) ITEMC.
LINE: VA. MEMO: (1600*1200; 115KHz) 3.0M D-SUB


dBuV
100
90
80
70
60
50
40
30
20
10
0
0.45 0.5 0.6 0.7 0.8 0.9 1 2 3 4 5 6 7 8 9 10 20 30 MHz
Date 10.FEB '99 Time 21:20:29
EUT: MONITOR
M/N: VCDTS21492-4*
PAGE: 002.
MEMO: (1600*1200; 115KHz) 3.0M D-SUB
(PEAK VALUE) TEMC.
VIEW SONIC
LINE: VB.

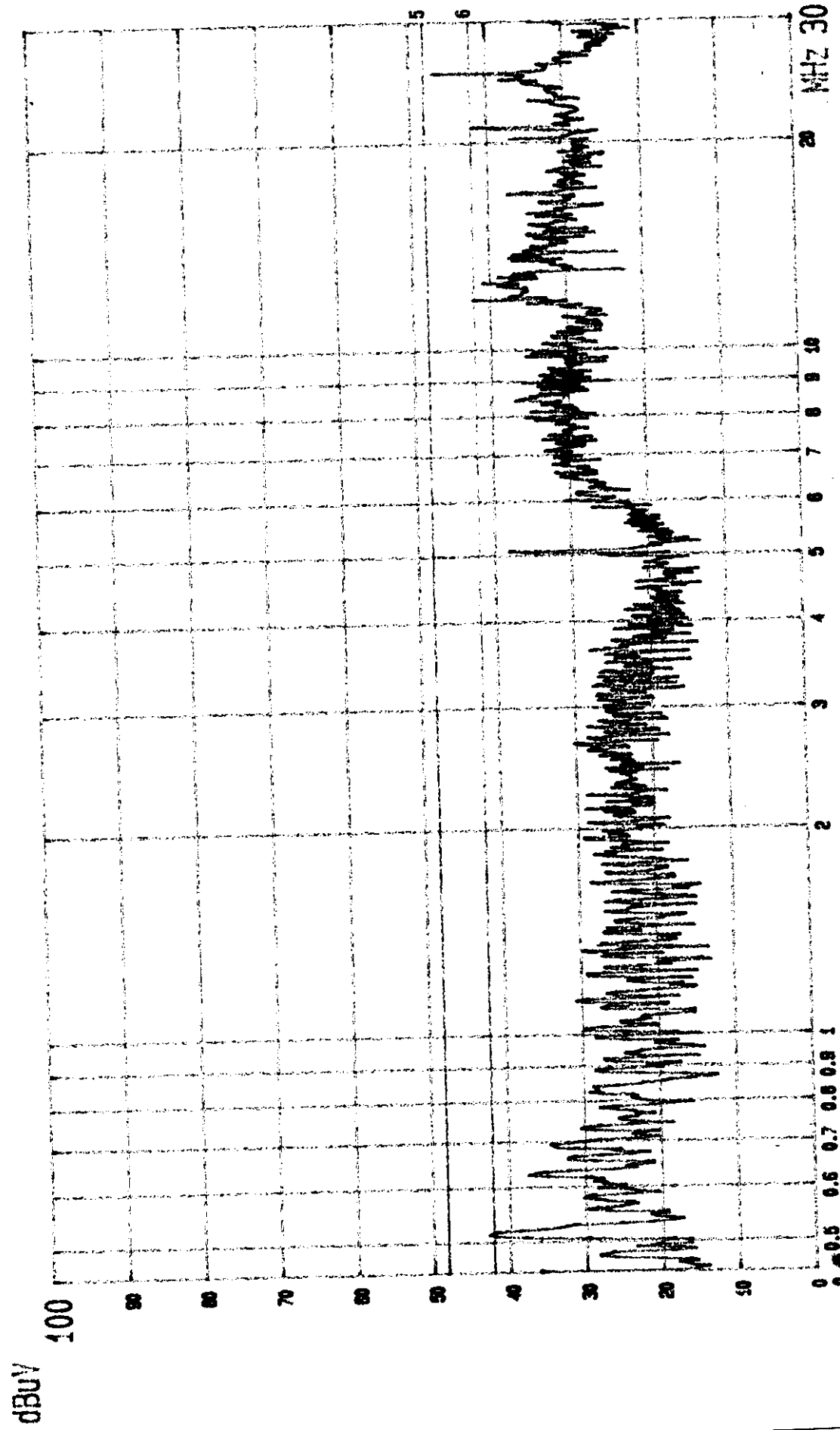
Date of Test : Feb. 10, 1999 Temperature : 20℃

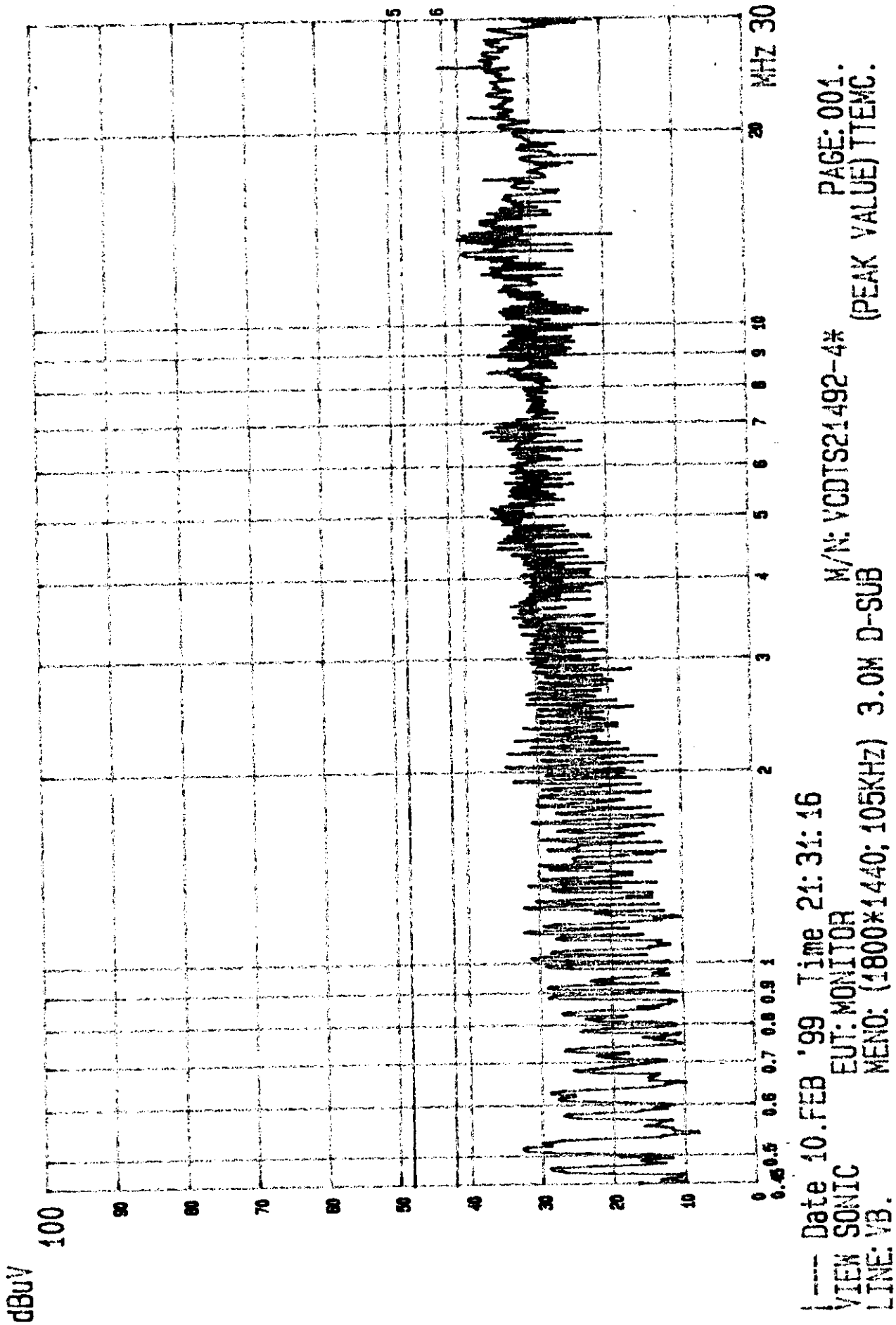
EUT : 21" Color CRT Display Monitor with USB Pedestal Humidity : 45%

Test Mode : 105kHz/1800*1440 with 3m D-Sub Data Cable

Frequency (MHz)	Factor dB	Measurement (dBuV)		Reading (dBuV)		Limits (dBuV)	Margin (dBuV)	
		VA	VB	VA	VB		VA	VB
0.5038	0.5	29.3	30.1	29.8	30.6	48.0	18.2	17.4
1.1329	0.5	28.4	28.6	28.9	29.1	48.0	19.1	18.9
2.1068	0.5	32.1	32.5	32.6	33.0	48.0	15.4	15.0
6.7819	0.8	35.6	35.9	36.4	36.7	48.0	11.6	11.3
13.6314	1.0	38.1	38.2	39.1	39.2	48.0	8.9	8.8
25.2131	**1.2**	38.2	**40.1**	39.4	**41.3**	**48.0**	8.6	**6.7**

Remark :
1. All reading were Quasi-Peak values.
2. Factor = Insertion Loss + Cable Loss
3. The worst emission was detected at 25.2131MHz with corrected signal level of 41.3dBuV (limit was 48dBuV) when the VB side of the EUT was connected to L.I.S.N.


dBuV
100
90
80
70
60
50
40
30
20
10
0.4 0.5 0.6 0.7 0.8 0.9 1
2
3
4
5
6
7
8
9
10
20
30 MHz
--- Date 10.FEB '99 Time 21:35:37
VIEW SONIC
EUT: MONITOR
MEMO: (1800*1440; 105KHz) 3.0M D-SUB
LINE: VA.
M/N: VCDTS21492-4*
(PEAK VALUE) TIENC.
PAGE: 002.


dBuV
100
90
80
70
60
50
40
30
20
10
0.45 0.5 0.6 0.7 0.8 0.9 1 2 3 4 5 6 7 8 9 10 20 MHz 30
Date 10.FEB '99 Time 21:31:16
M/N: VCDTS21492-4*
PAGE: 001.
EUT: MONITOR
MEMO: (1800*1440; 105KHZ) 3.0M D-SUB
(PEAK VALUE) TTEMC.
VIEW SONIC
LINE: VB.

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 :

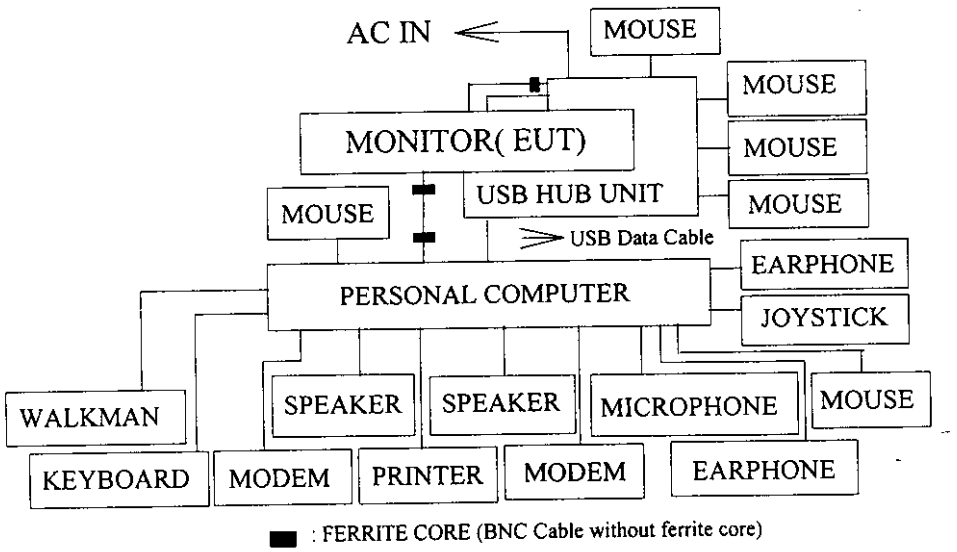
Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum Analyzer	HP	8593A	3212A01727	Jul.25, 98'	1 Year
2.	Pre-Amplifier	HP	8447D	2944A06305	May.13, 98'	1 Year
3.	Broadband Antenna	Schwarzbeck	BBA9106	A3L	Dec.09, 98'	1 Year
4.	Broadband Antenna	Schwarzbeck	UHALP9107	A3H	Dec.09, 98'	1 Year

3.1.2. For No. 2 Open Site :

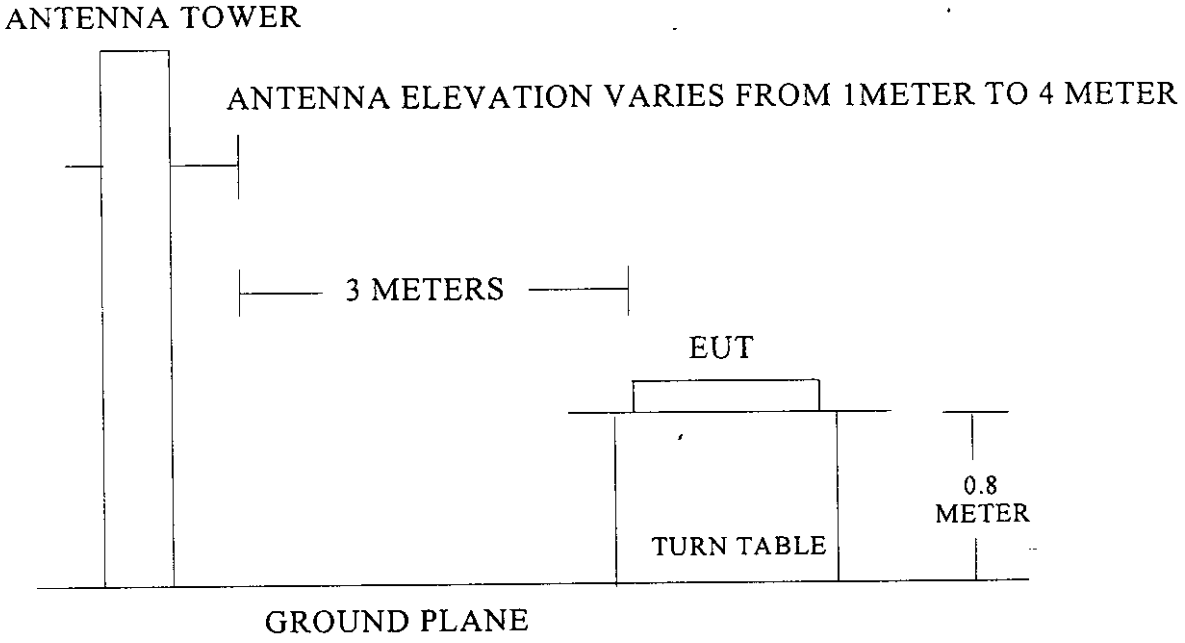
Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Test Receiver	Rohde&Schwarz	ESVP	893202/001	Jul.24, 98'	1 Year
2.	Broadband Antenna	Chase	VBA6106A	1240	Jul.15, 98'	1 Year
3.	Broadband Antenna	Chase	UPA6109	1048	Jul.15, 98'	1 Year

3.2. Block Diagram of Test Setup

3.2.1. Block Diagram of connection between EUT and simulators



3.2.2. Open Field Test Site Setup Diagram



3.3. Radiation Limit (CLASS B)

FREQUENCY	DISTANCE	FIELD STRENGTHS LIMITS	
MHz	Meters	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 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 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 during radiated measurement.

The bandwidth of the R&S Test Receiver ESVP was set at 120KHz.

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

Three kinds of horizontal working frequency with four kinds of data cable were investigated separately within Anechoic Chamber and all the scanning waveform were attached in Appendix II.

Finally, re-measured the worst operating situation (115kHz/1600*1200 with 3m D-Sub data cable) at No. 2 Open Field Test site and all the test results are listed in section 3.7.

Three kinds of display frequency :

	640*480 (Hf : 31.5kHz)		1600*1200 (Hf : 115.0kHz)		1800*1440 (Hf : 105.0kHz)	
(a) Dot Clock Frequency	25.175	MHz	239.35	MHz	250	MHz
(b) Vertical Frequency	50	Hz	180	Hz	70	Hz
(c) Horizontal Frequency	30	kHz	115	kHz	105	kHz

Four kinds of data cable :

(1) 1.5m D-Sub data cable with two ferrite cores
(2) 1.8m D-Sub data cable with two ferrite cores
(3) 3.0m D-Sub data cable with two ferrite cores
(4) 1.8m BNC data cable

3.7. 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 : Mar. 01, 1999 Temperature : 19℃

EUT : 21" Color CRT Display Monitor with USB Pedestal Humidity : 80%

Test Mode : 115kHz/1600*1200 with 3m D-Sub Data Cable

	Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading Horizontal dBuV	Emission Level Horizontal dBuV/m	Limits dBuV/m	Margin dBuV/m
	47.769	16.92	2.22	2.27	21.41	40.00	18.59
	57.269	13.08	2.48	14.17	29.73	40.00	10.27
	86.028	15.56	3.13	5.13	23.82	40.00	16.18
	114.544	18.91	3.67	4.74	27.32	43.50	16.18
	143.179	20.94	4.04	4.98	29.96	43.50	13.54
	171.815	21.67	4.65	2.31	28.63	43.50	14.87
	190.833	22.48	4.84	1.23	28.55	43.50	14.95
	209.973	22.01	5.17	5.37	32.55	43.50	10.95
	248.236	23.63	5.56	6.94	36.13	46.00	9.87
	286.390	25.43	6.06	0.39	31.88	46.00	14.12
	305.470	13.34	6.16	14.98	34.48	46.00	11.52
	343.629	15.74	6.66	14.23	36.63	46.00	9.37
	362.814	15.62	6.82	7.51	29.95	46.00	16.05
	400.969	15.98	7.21	13.37	36.56	46.00	9.44
	439.129	16.37	7.76	6.63	30.76	46.00	15.24
	458.197	16.63	7.87	13.40	37.90	46.00	8.10
*	496.473	17.71	8.37	15.48	41.56	46.00	4.44
	515.445	17.85	8.51	9.05	35.41	46.00	10.59
	534.628	18.64	8.64	8.92	36.20	46.00	9.80

Remark :
1. All reading were Quasi-Peak values.
2. The worst emission was detected at 496.473MHz with corrected signal level of 41.56dBuV/m (limit was 46dBuV/m) when the antenna was at horizontal polarization and was at 1.3m high and the turn table was at 220°.
3. 0° is the table front facing the antenna. Degree was calculated from 0° clockwise facing the antenna.

Date of Test : Mar. 01, 1999 Temperature : 19℃

EUT : 21" Color CRT Display Monitor with USB Pedestal Humidity : 80%

Test Mode : 115kHz/1600*1200 with 3m D-Sub Data Cable

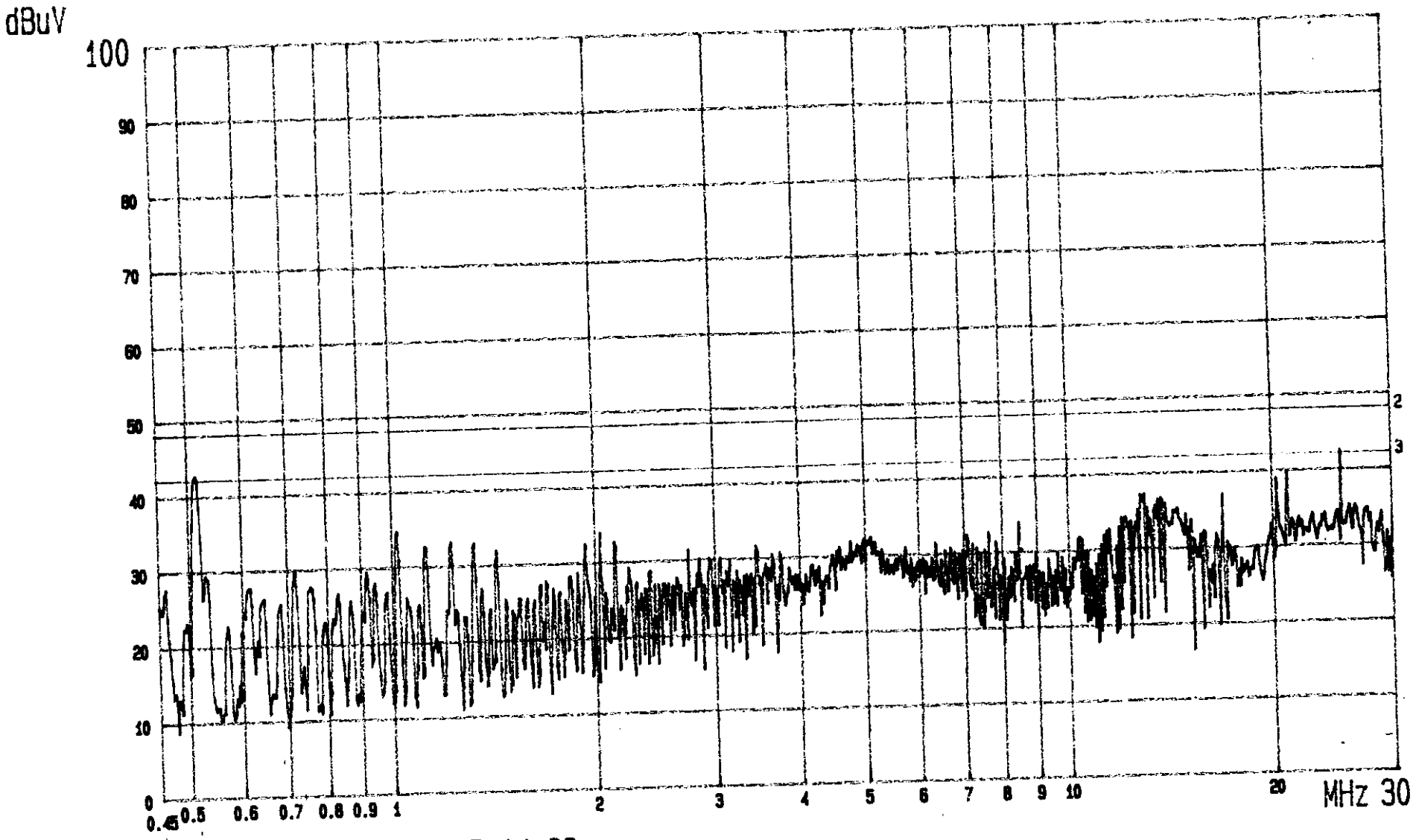
	Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading Vertical dBuV	Emission Level Vertical dBuV/m	Limits dBuV/m	Margin dBuV/m
	38.158	20.09	2.01	6.50	28.60	40.00	11.40
	57.248	13.71	2.48	13.51	29.70	40.00	10.30
	57.253	13.71	2.48	13.41	29.60	40.00	10.40
	76.334	14.43	2.86	9.60	26.89	40.00	13.11
	124.118	18.05	3.74	3.81	25.60	43.50	17.90
	152.736	21.10	4.39	3.80	29.29	43.50	14.21
	190.843	21.32	4.84	3.31	29.47	43.50	14.03
	209.977	21.90	5.17	2.40	29.47	43.50	14.03
	229.088	24.54	5.40	2.00	31.94	46.00	14.06
	248.236	23.03	5.56	7.61	36.20	46.00	9.80
	257.727	22.81	5.71	- 2.10	26.42	46.00	19.58
	286.378	25.24	6.06	2.00	33.30	46.00	12.70
	305.473	13.80	6.16	16.04	36.00	46.00	10.00
	343.630	15.08	6.66	19.13	40.87	46.00	5.13
	362.817	15.02	6.82	11.63	33.47	46.00	12.53
	372.360	14.83	6.97	11.94	33.74	46.00	12.26
	400.974	15.74	7.21	17.73	40.68	46.00	5.32
	458.205	16.99	7.87	14.94	39.80	46.00	6.20
	477.285	17.74	8.02	8.94	34.70	46.00	11.30
*	496.366	18.09	8.37	15.54	42.00	46.00	4.00
	515.447	18.22	8.51	9.43	36.16	46.00	9.84

Remark :
1. All reading were Quasi-Peak values.
2. The worst emission was detected at 496.366MHz with corrected signal level of 42.00dBuV/m (limit was 46dBuV/m) when the antenna was at vertical polarization and was at 1m high and the turn table was at 160° .
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

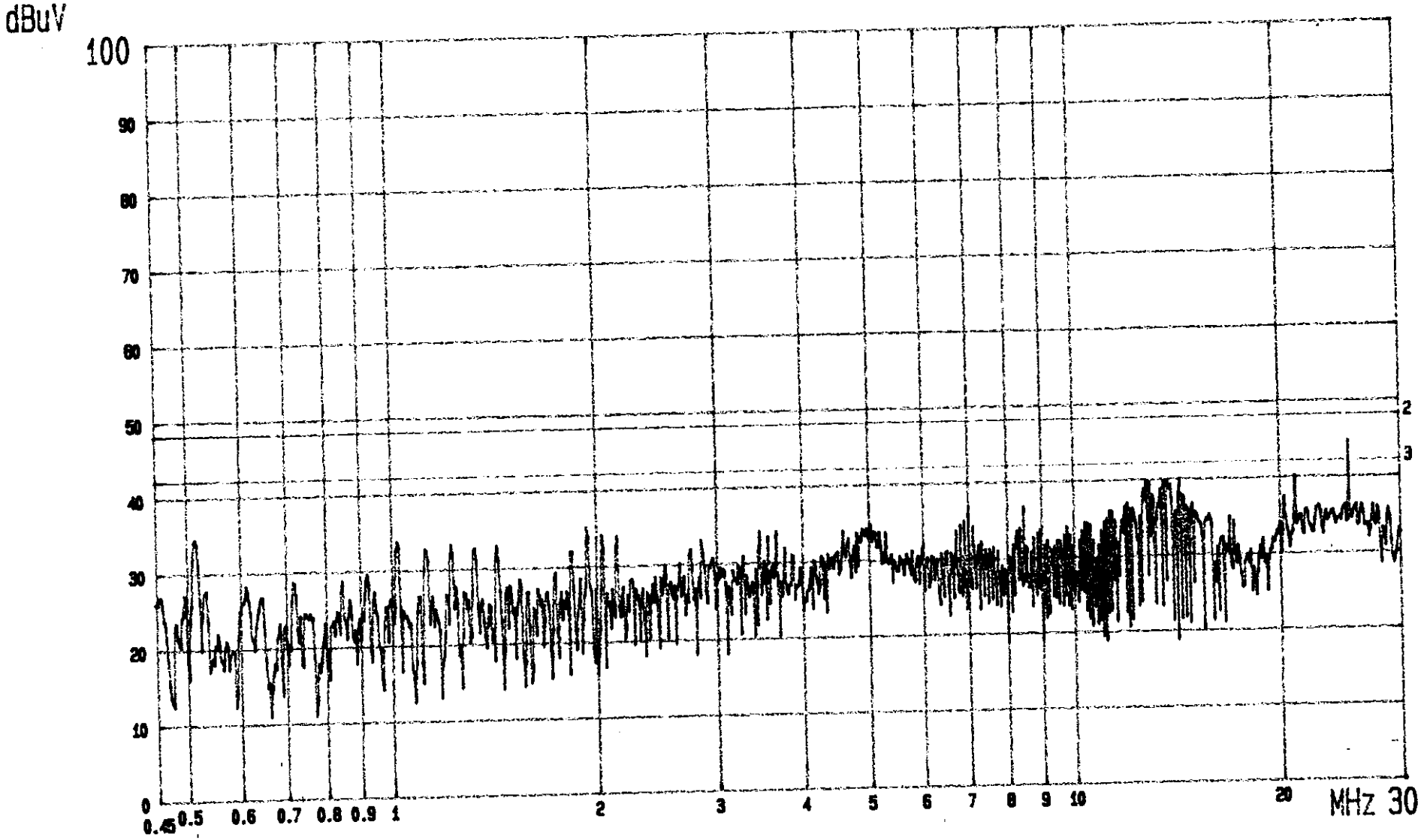


| --- Date 10.FEB '99 Time 15:14:38
VIEW SONIC
LINE: VA.

EUT: MONITOR
MENO: (640X480; 31.5KHz) 1.5M D-SUB

M/N: VCDTS21492-4*

PAGE: 001.
(PEAK VALUE) TTEMC.



|--- Date 10.FEB '99 Time 15:17:23
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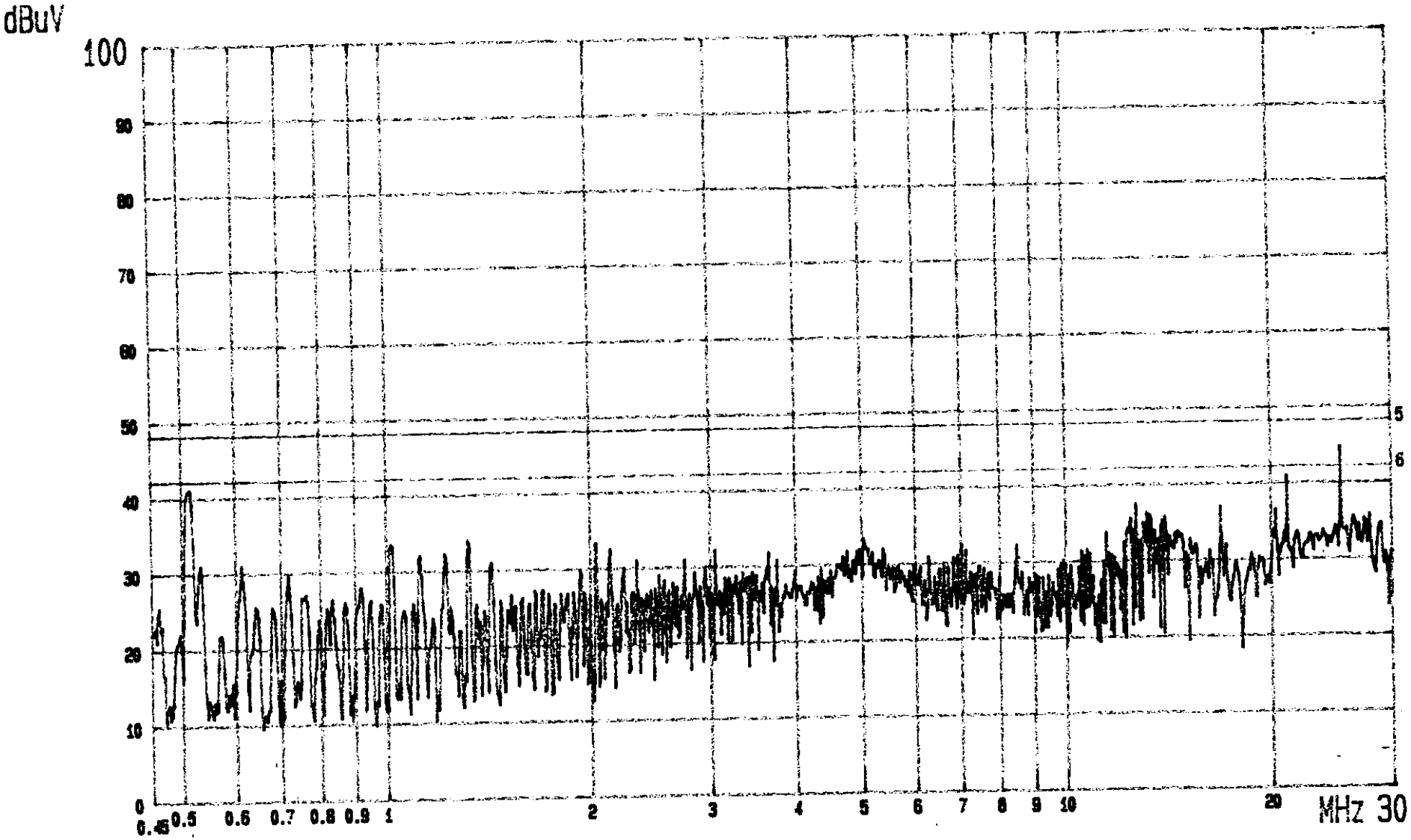
LINE: VB.
EUT: MONITOR
MENO: (640X480; 31.5KHz) 1.5M D-SUB
M/N: VCDTS21492-4*
PAGE: 002.
(PEAK VALUE) TTEMC.



|--- Date 10.FEB '99 Time 20:51:56
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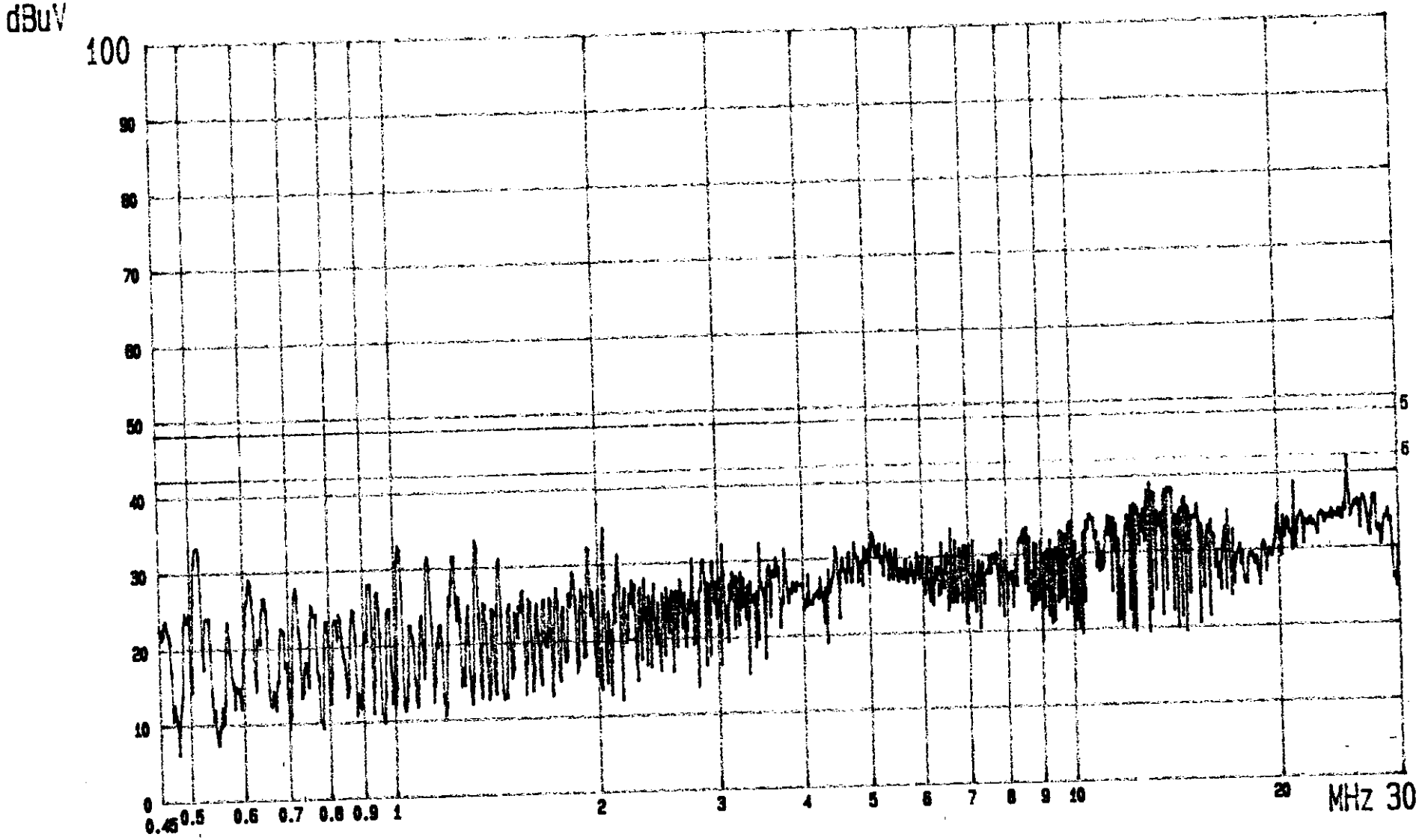
LINE: VA. MENO: (640X480; 31.5KHz) 1.8M D-SUB (PEAK VALUE) TTEMC.



|--- Date 10.FEB '99 Time 20:53:54
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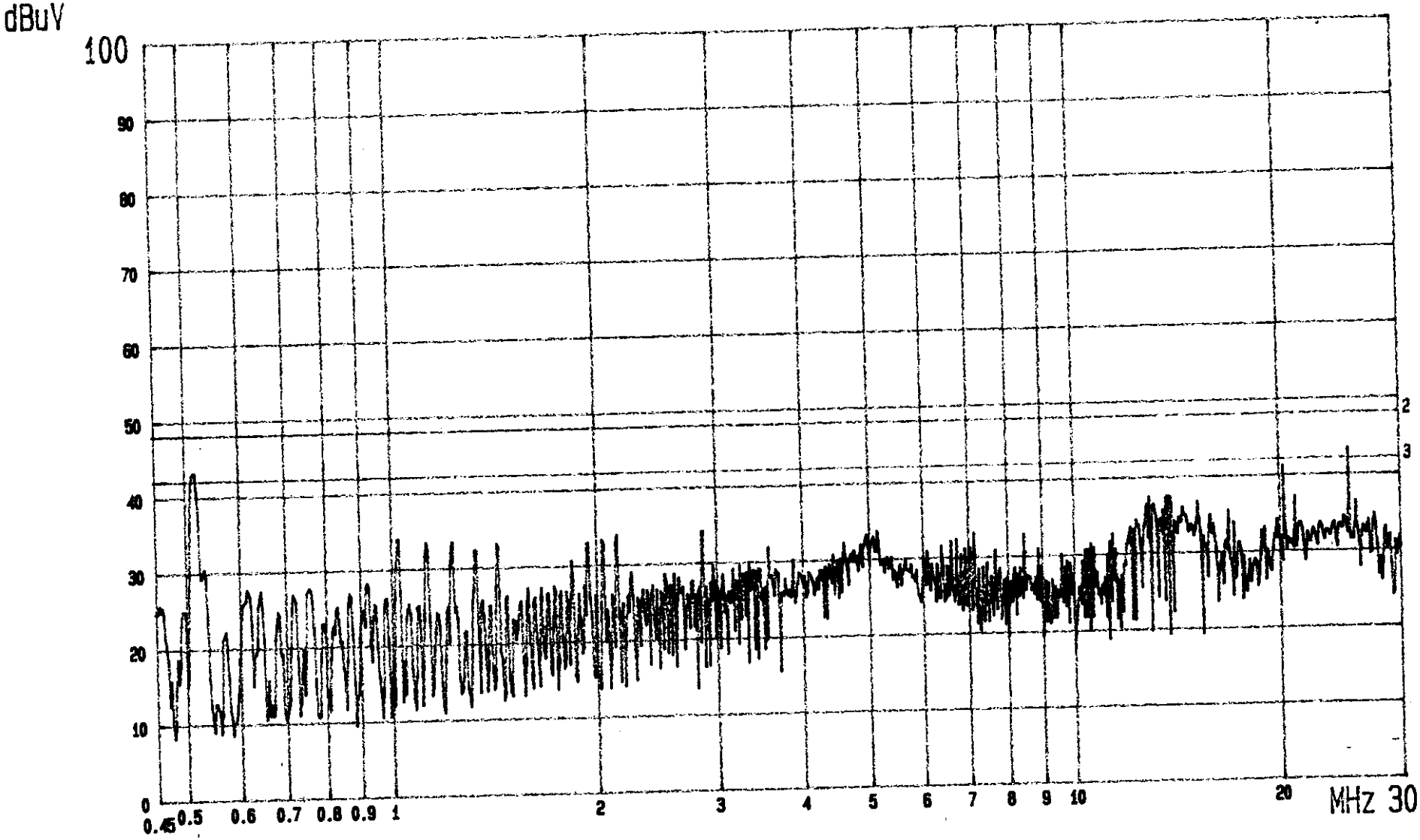
LINE: VB. MENO: (640X480; 31.5KHz) 1.8M D-SUB (PEAK VALUE) TTEMC.

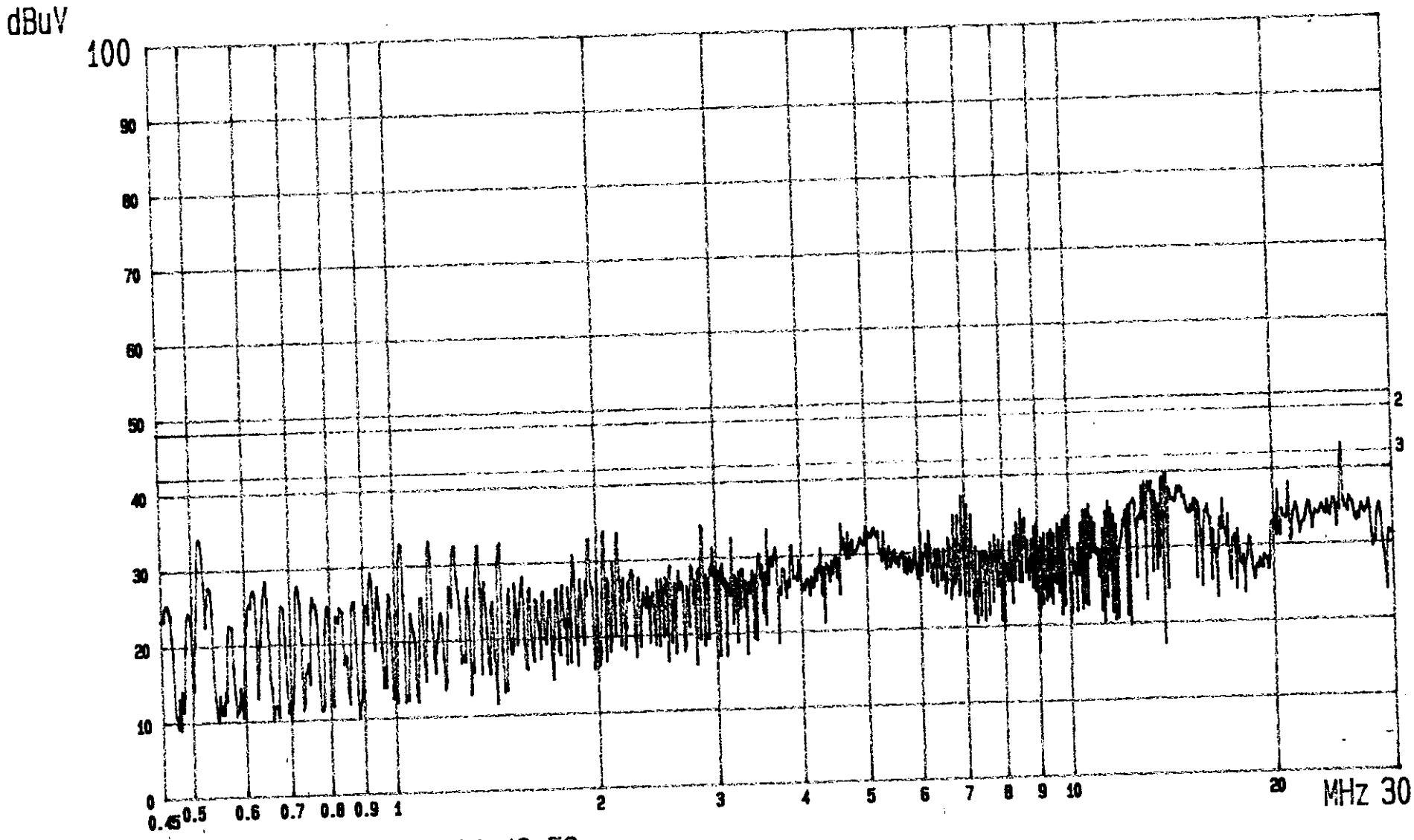


|--- Date 10.FEB '99 Time 14:54:08
VIEW SONIC
LINE: VA.

EUT: MONITOR
MENO: (640X480; 31.5KHz) 1.8M BNC

M/N: VCDTS21492-4*

PAGE: 002.
(PEAK VALUE) TTEMC.



--- Date 10.FEB '99 Time 14:48:53
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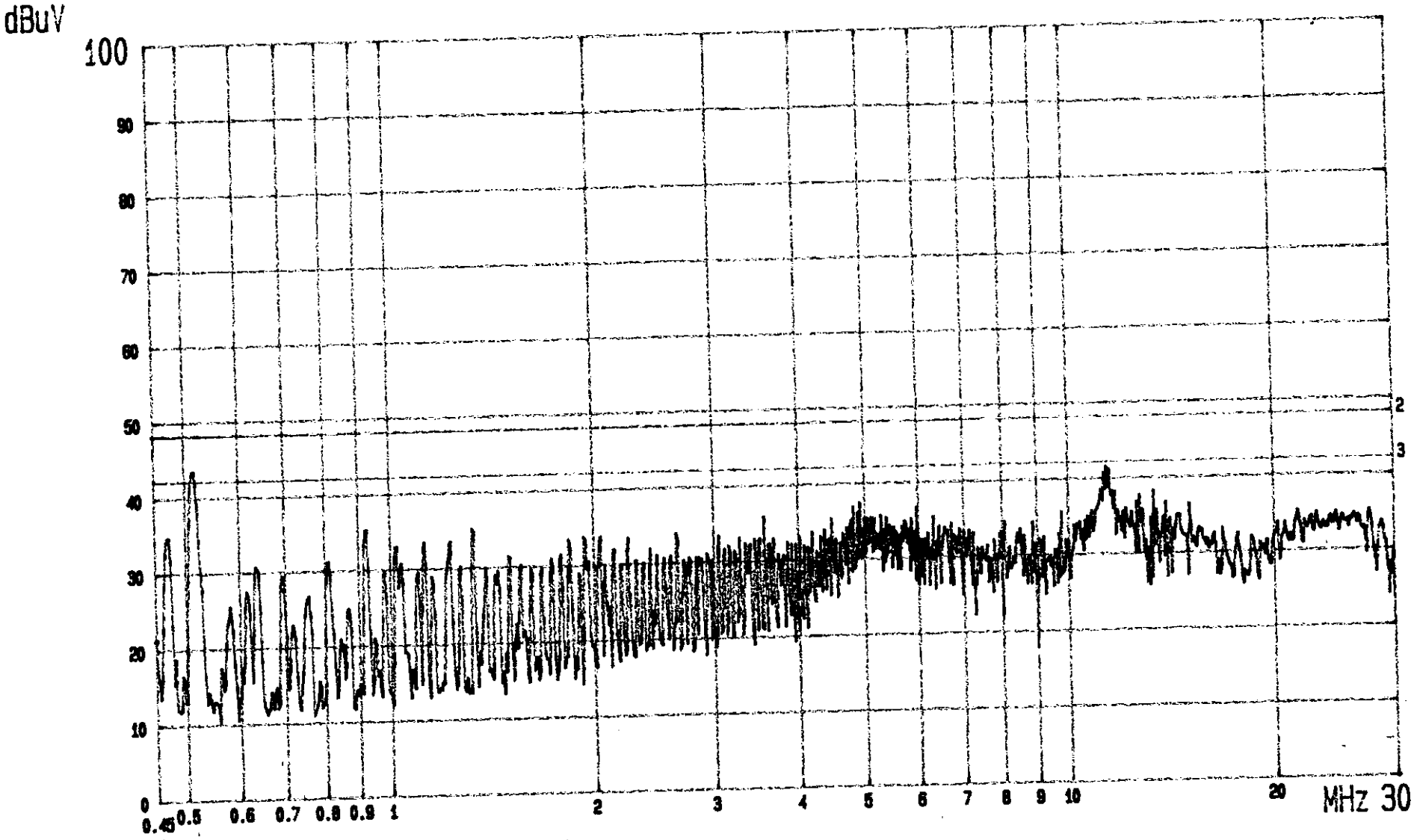
LINE: VB.
EUT: MONITOR
MENO: (640X480; 31.5KHz) 1.8M BNC
M/N: VCDTS21492-4*
PAGE: 001.
(PEAK VALUE) TTEMC.

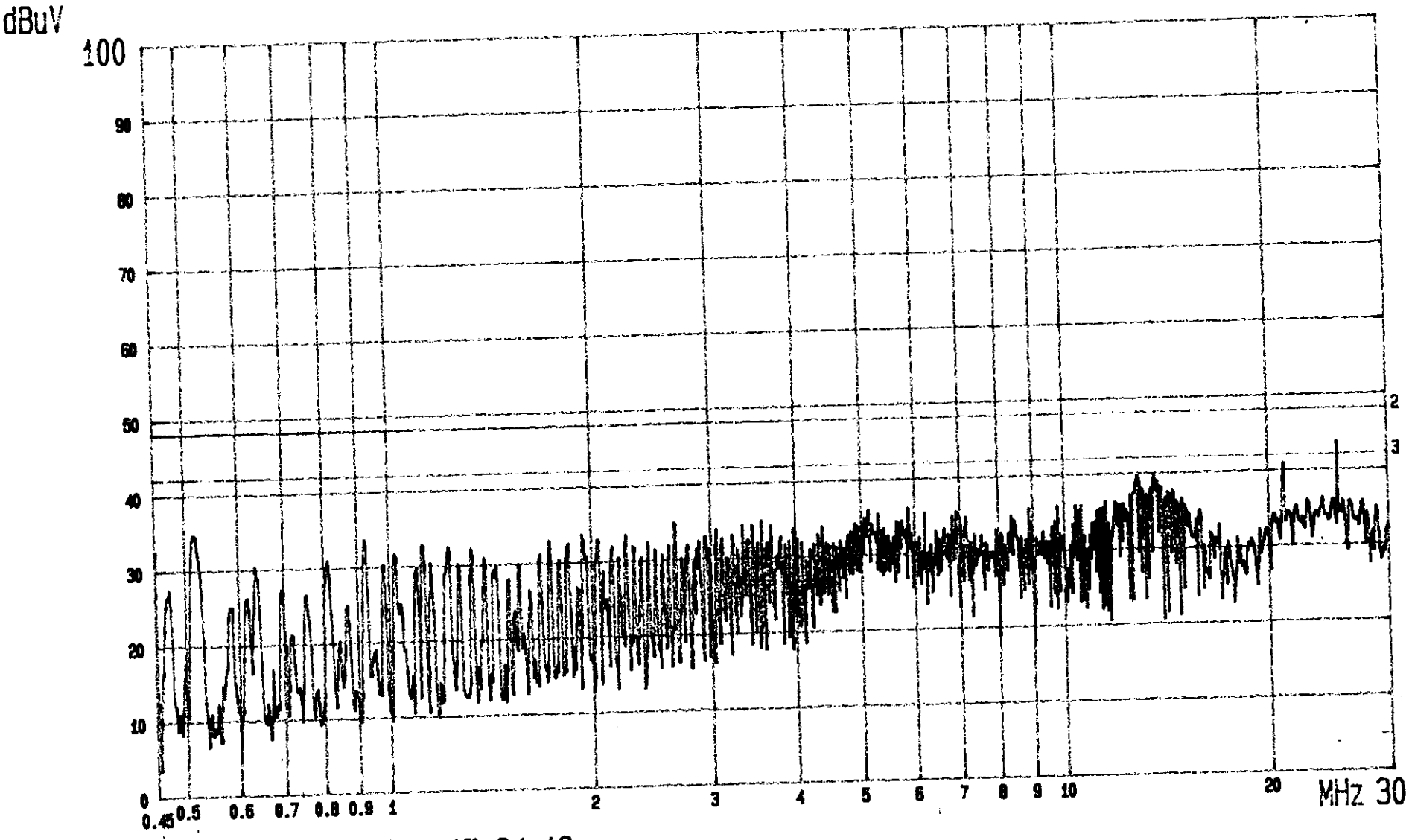


|--- Date 10.FEB '99 Time 15:33:00
VIEW SONIC
LINE: VA.

EUT: MONITOR
MENO: (1600X1200; 115KHz) 1.5M D-SUB

M/N: VCDTS21492-4*

(PEAK VALUE) TTEMC.



| --- Date 10.FEB '99 Time 15:24:13
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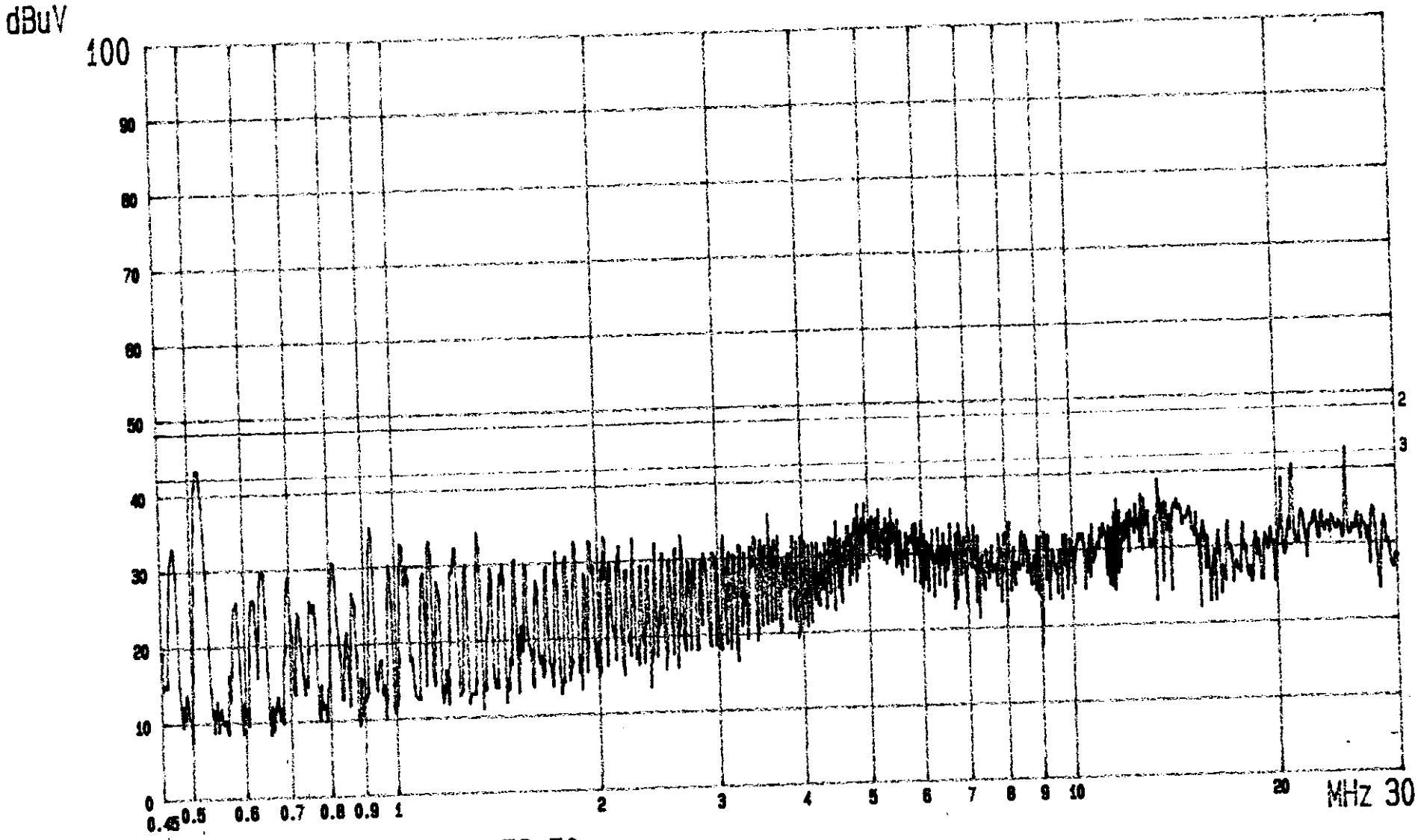
LINE: VB. MENO: (1600X1200; 115KHz) 1.5M D-SUB

(PEAK VALUE) TTEMC.

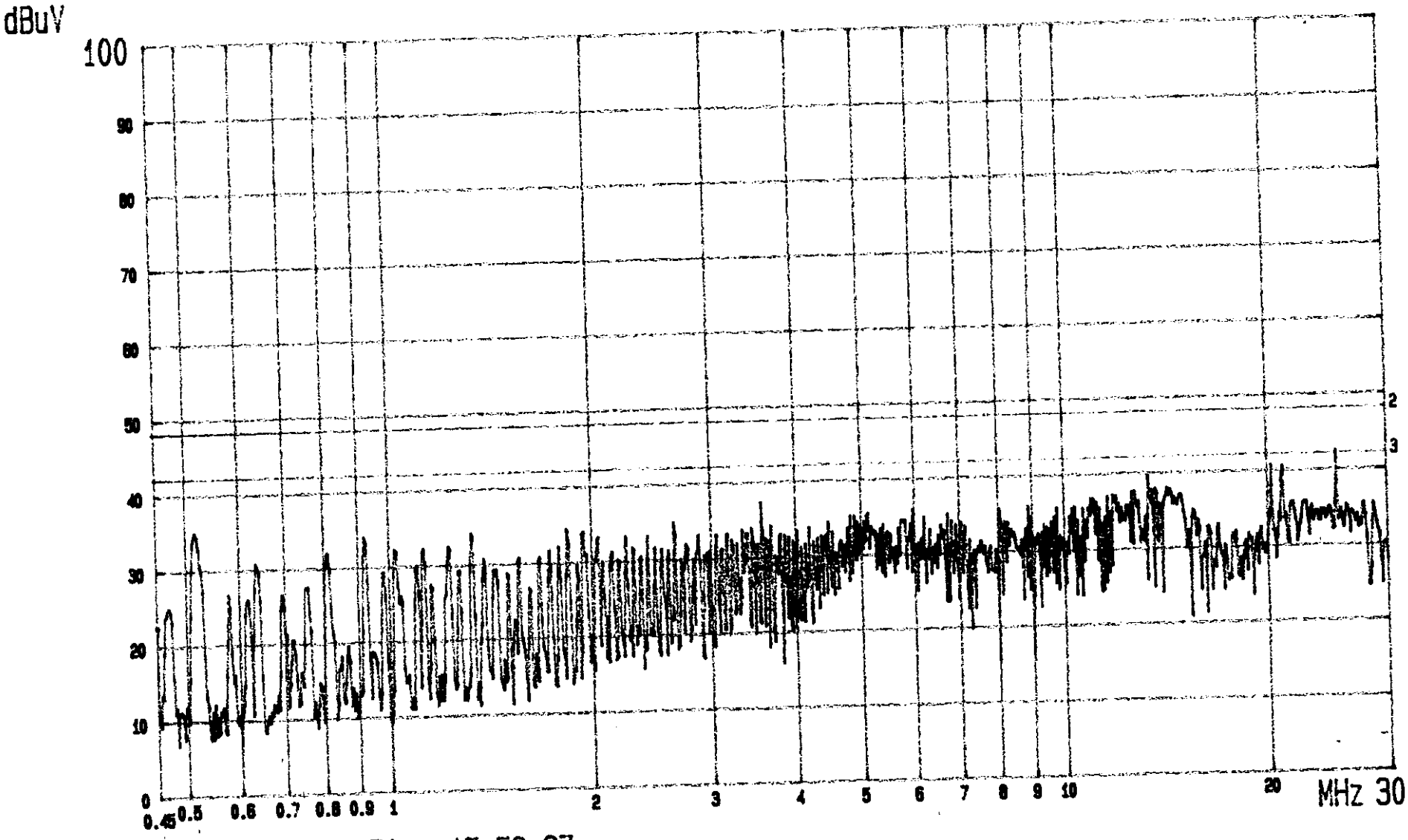


|--- Date 10.FEB '99 Time 15:56:50
VIEW SONIC
LINE: VA.

EUT: MONITOR
MENO: (1600X1200; 115KHz)

M/N: VCDTS21492-4*
1.8M D-SUB

PAGE: 001.
(PEAK VALUE) TTEMC.



| --- Date 10.FEB '99 Time 15:58:37
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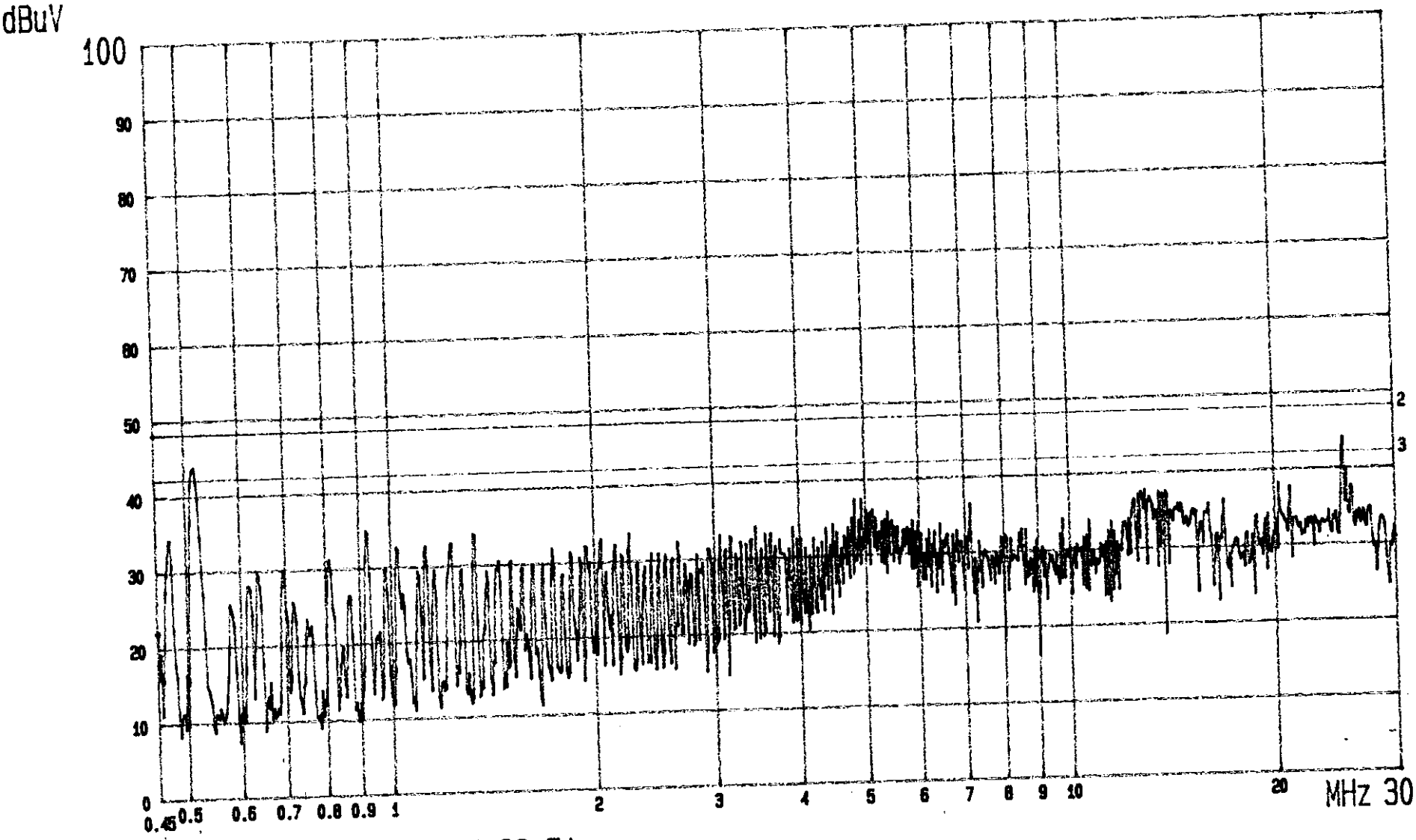
LINE: VB.

EUT: MONITOR
MENO: (1600X1200; 115KHz) 1.8M D-SUB

M/N: VCDTS21492-4*

PAGE: 002.
(PEAK VALUE) TTEMC.

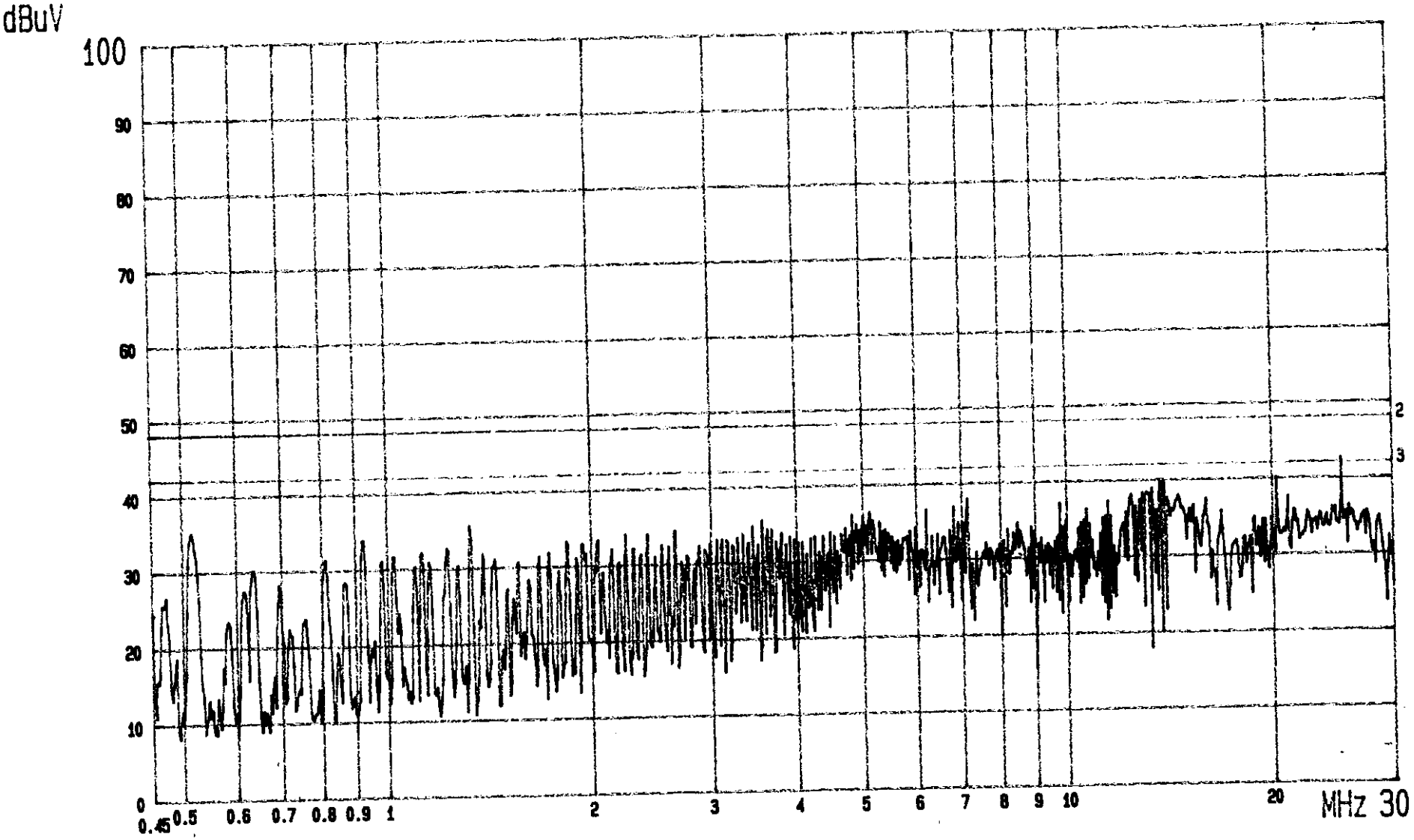


|--- Date 10.FEB '99 Time 14:39:51
VIEW SONIC
LINE: VA.

EUT: MONITOR
MENO: (1600X1200; 115KHz)

M/N: VCDTS21492-4*
1.8M BNC

PAGE: 001.
(PEAK VALUE) TTEMC.



|--- Date 10.FEB '99 Time 14:45:11
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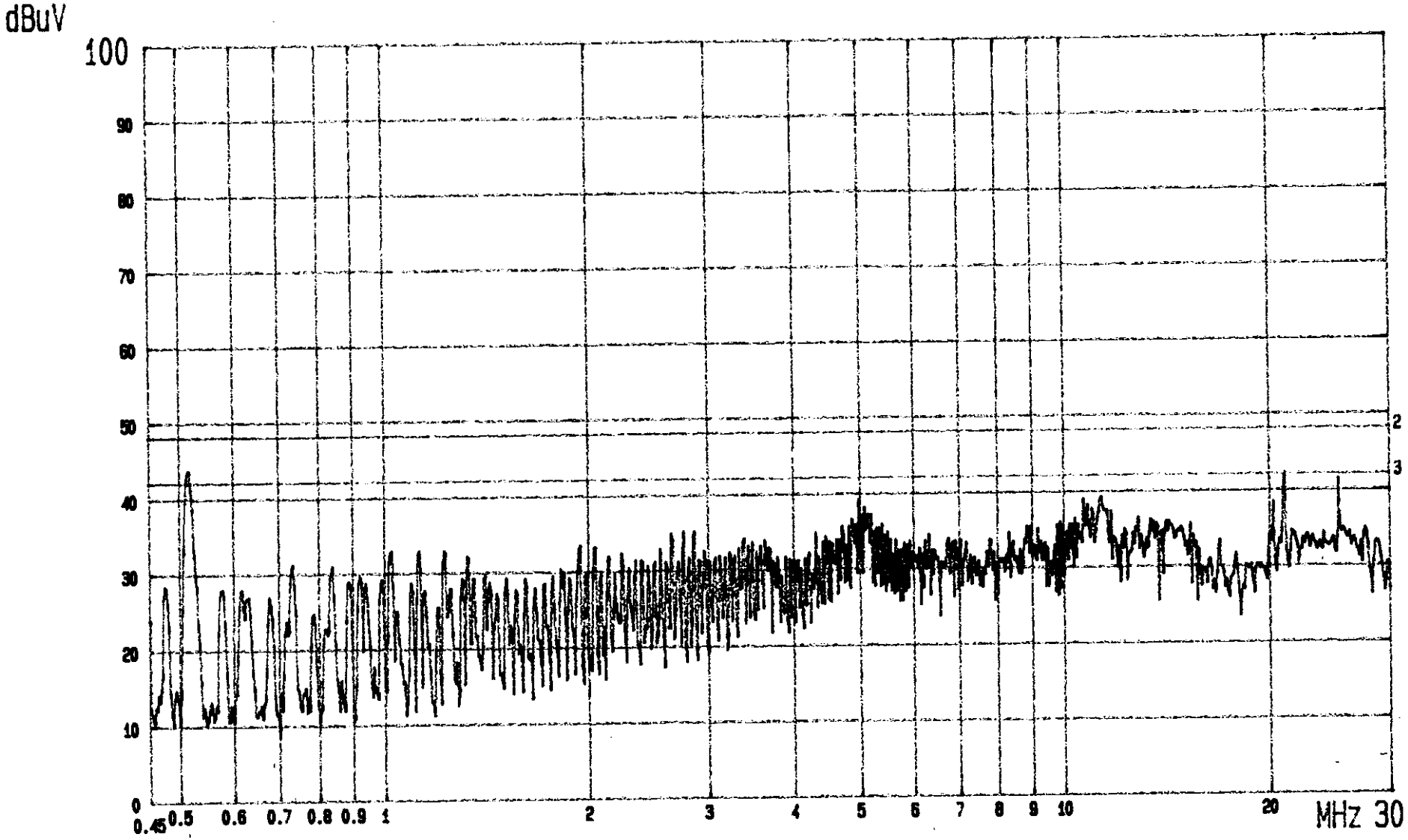
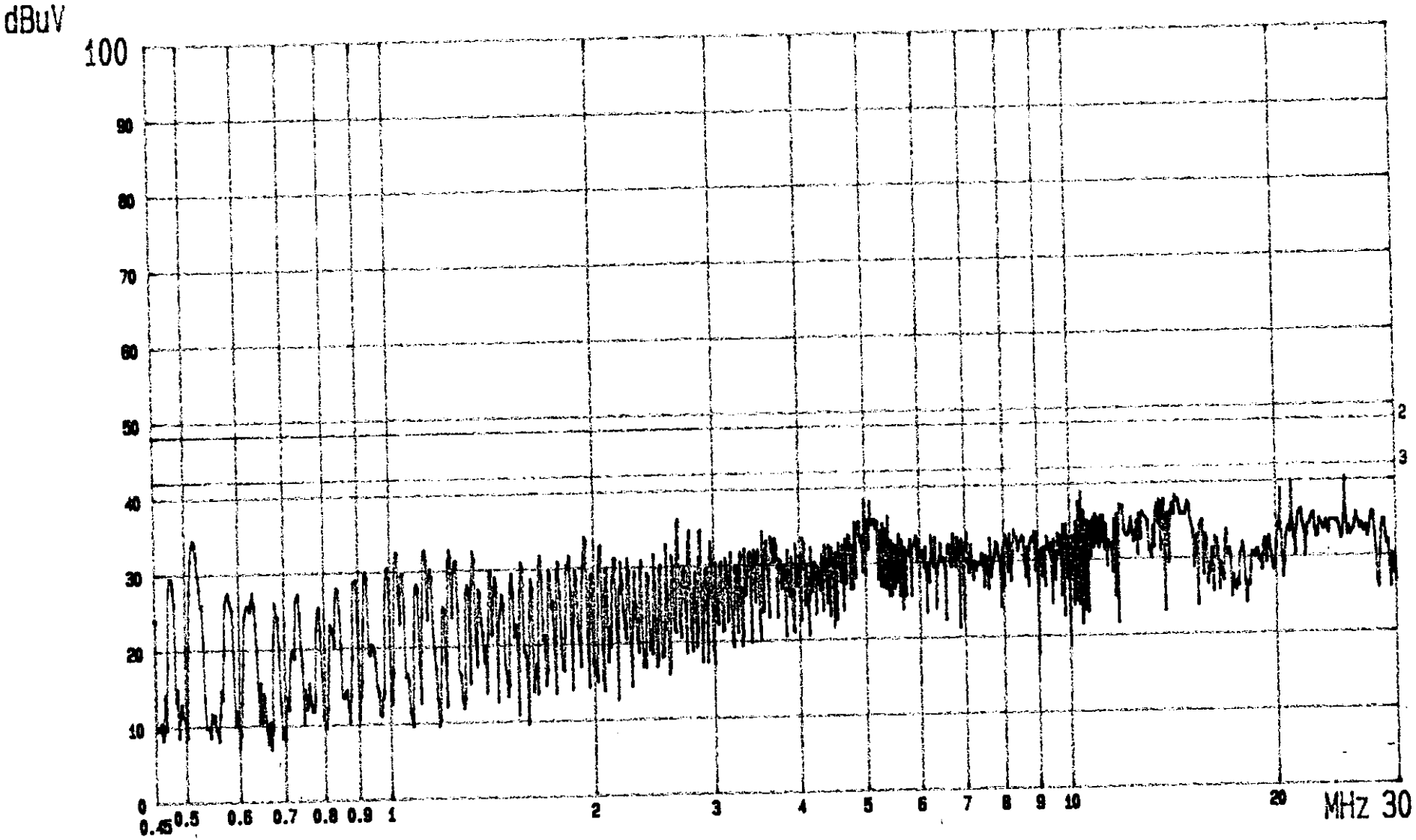
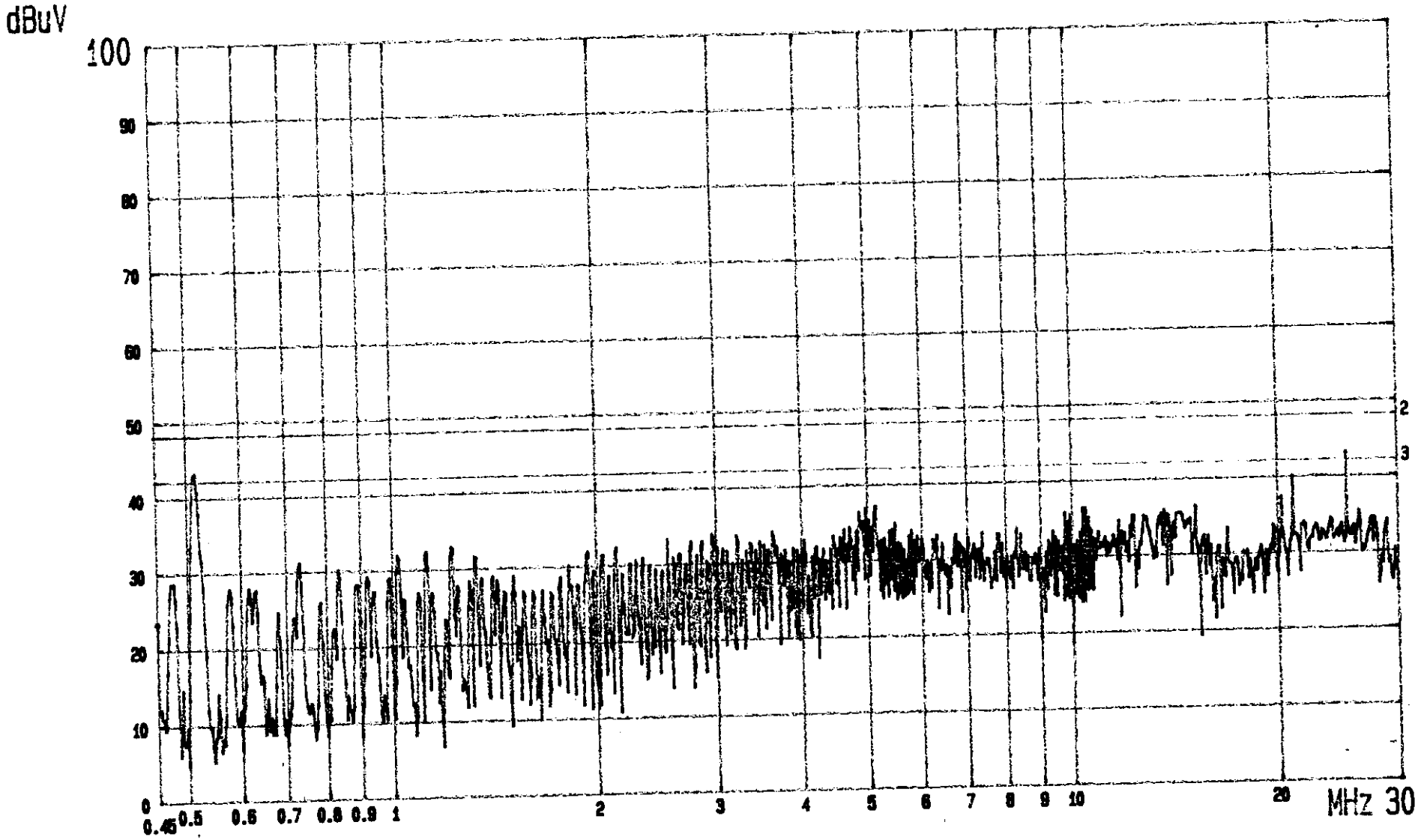
LINE: VB. MENO: (1600X1200; 115KHz) 1.8M BNC (PEAK VALUE) TTEMC.



|--- Date 10.FEB '99 Time 15:41:23
VIEW SONIC EUT: MONITOR M/N: VCDTS21492-4* PAGE: 001.
LINE: VA. MENO: (1800X1440; 105KHz) 1.5M D-SUB (PEAK VALUE) TTEMC.



| ---- Date 10.FEB '99 Time 15: 43: 13
VIEW SONIC EUT: MONITOR M/N: VCDTS21492-4* PAGE: 002.
LINE: VB. MENO: (1800X1440; 105KHz) 1.5M D-SUB (PEAK VALUE) TTEMC.

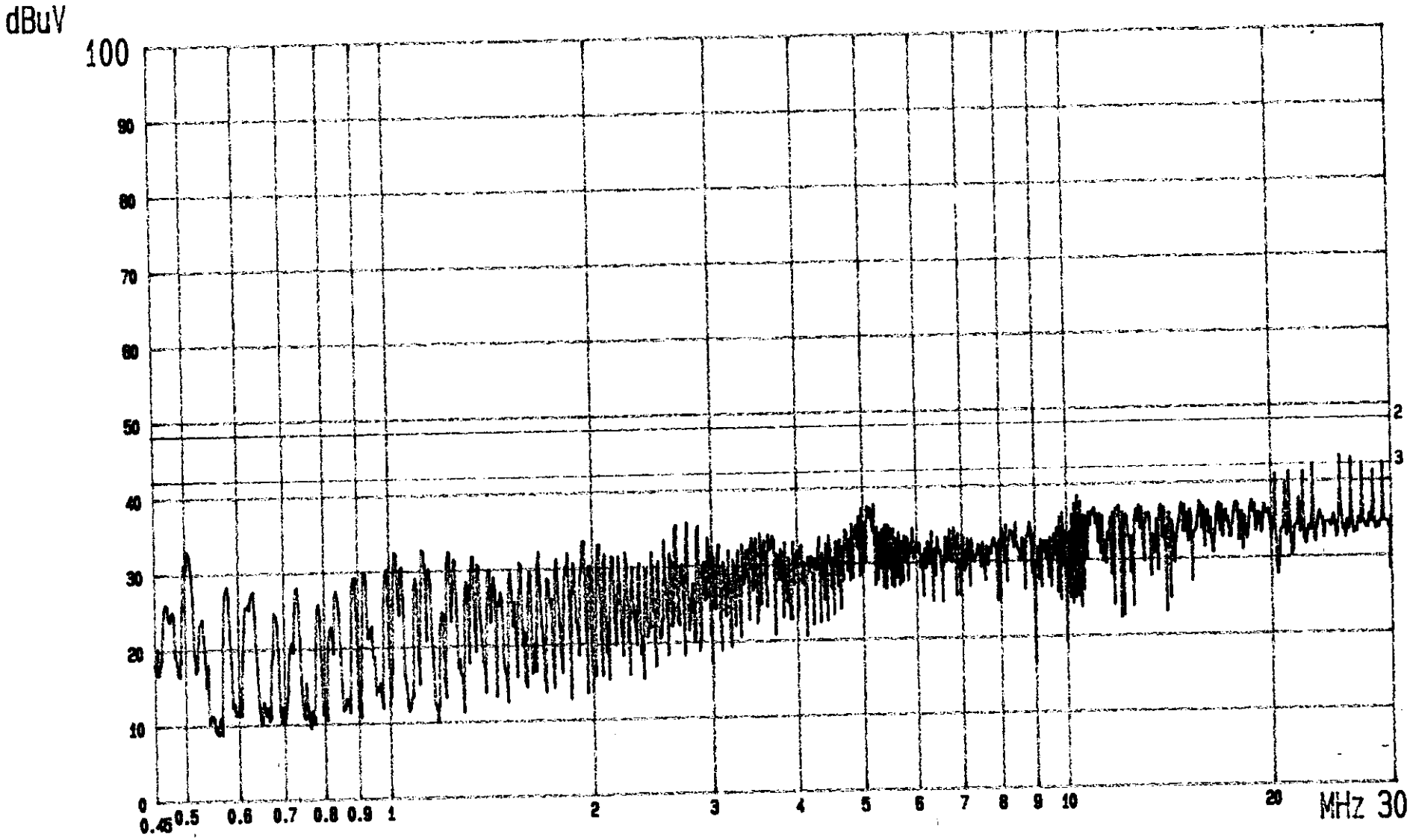


|--- Date 10.FEB '99 Time 15:51:23
VIEW SONIC
LINE: VA.

EUT: MONITOR
MENO: (1800X1440; 105KHz) 1.8M D-SUB

M/N: VCDTS21492-4*

PAGE: 002.
(PEAK VALUE) TTEMC.

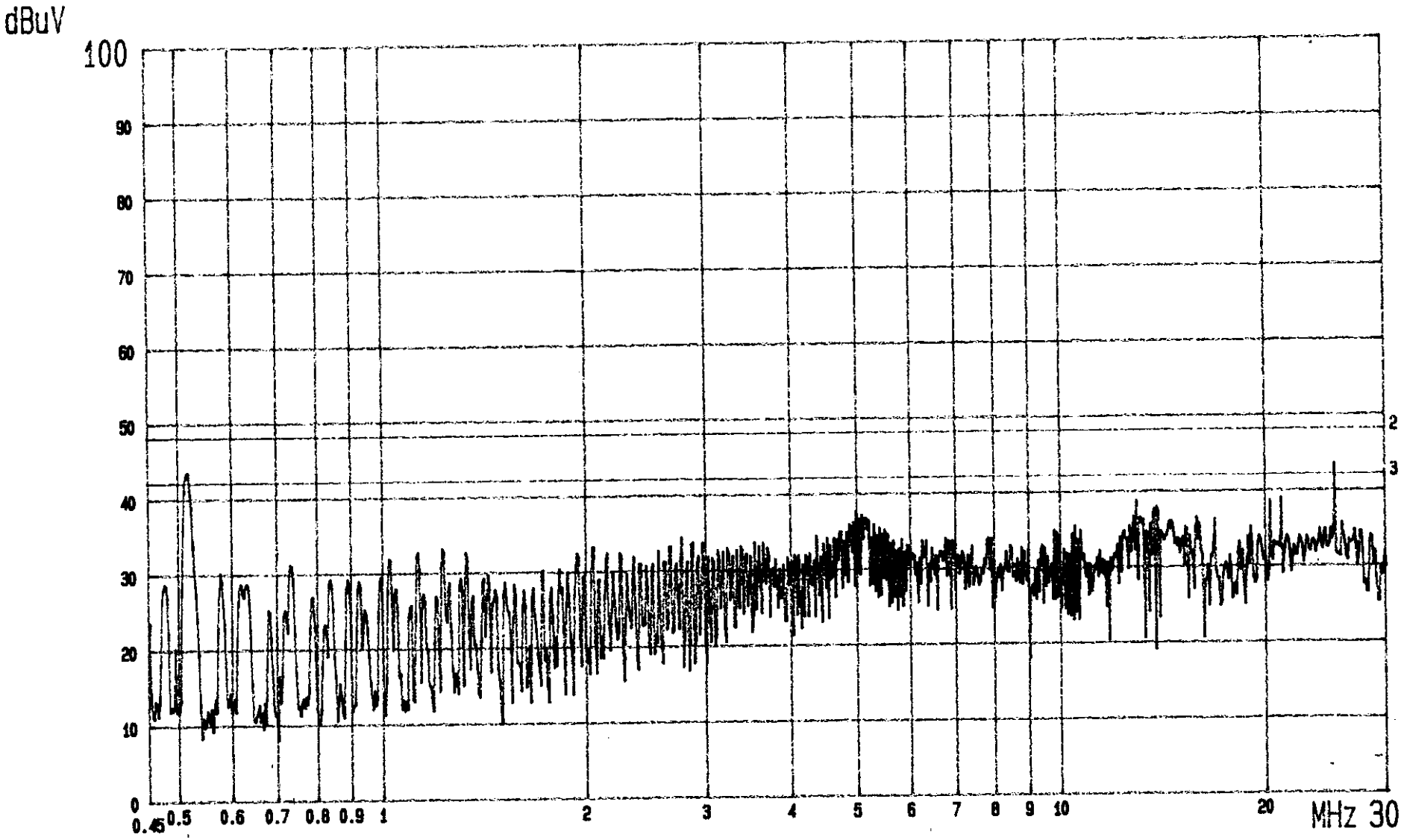


|--- Date 10.FEB '99 Time 15:49:24
VIEW SONIC
LINE: VB.

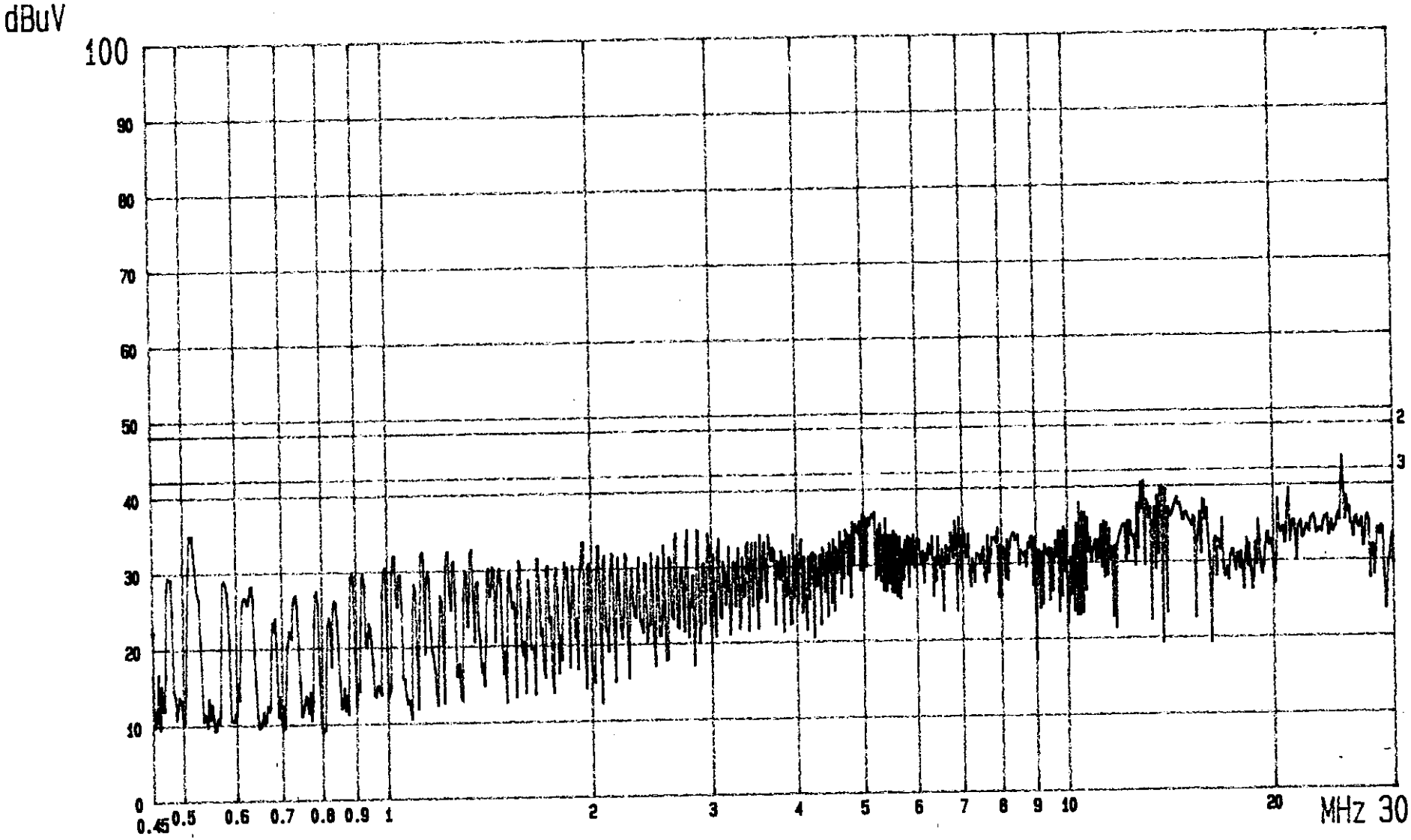
EUT: MONITOR
MENO: (1800X1440; 105KHz)

M/N: VCDTS21492-4*
1.8M D-SUB

PAGE: 001.
(PEAK VALUE) TTEMC.

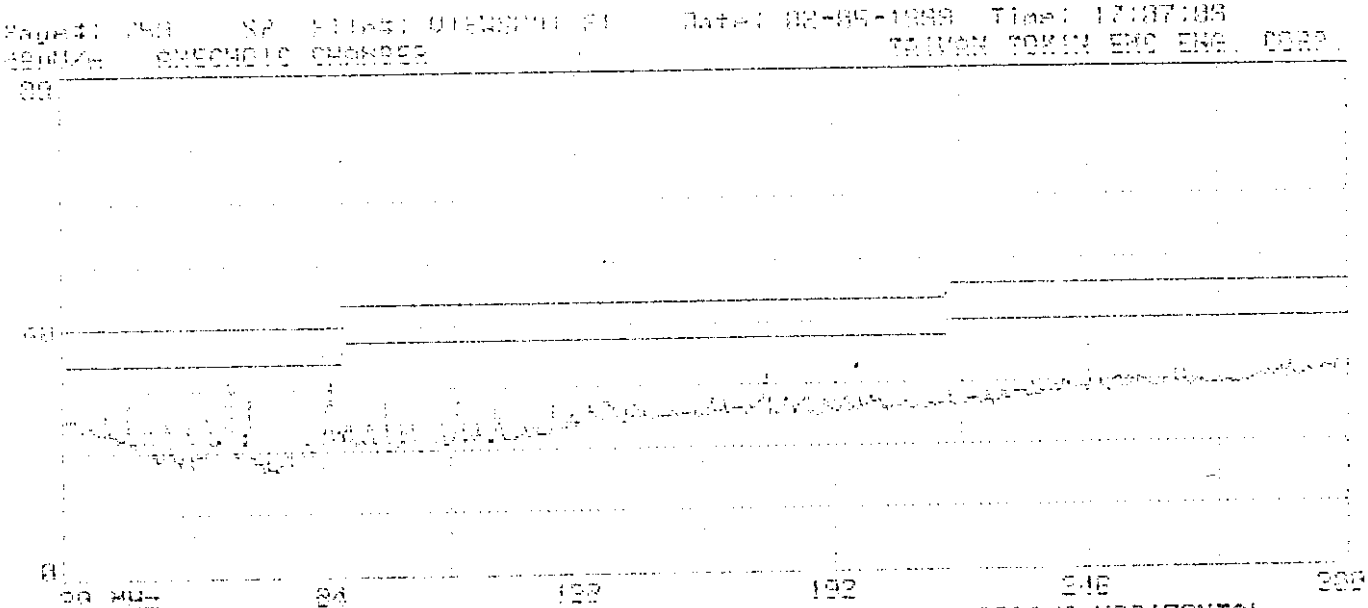


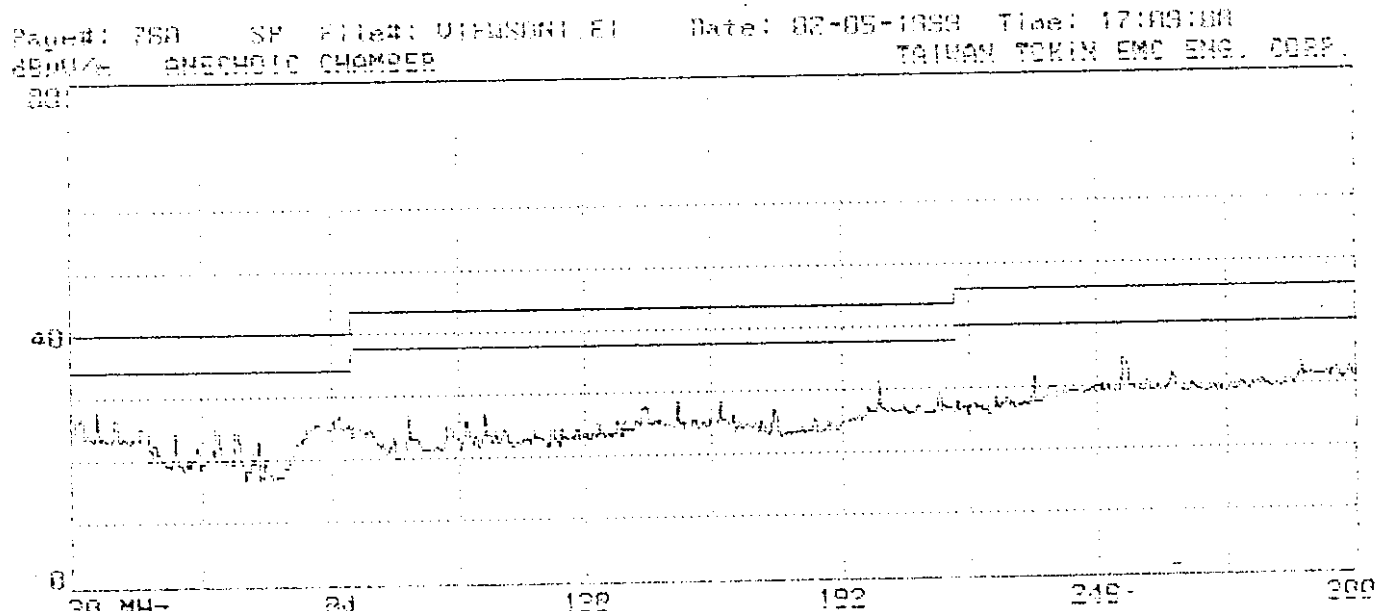
|--- Date 10.FEB '99 Time 14:27:22
VIEW SONIC EUT: MONITOR M/N: VCDTS21492-4* PAGE: 001.
LINE: VA. MENO: (1800X1440; 105KHz) 1.8M BNC (PEAK VALUE) TTEMC.



|--- Date 10.FEB '99 Time 14:24:32
VIEW SONIC EUT: MONITOR M/N: VCDTS21492-4* PAGE: 002.
LINE: VB. MENO: (1800X1440; 105KHz) 1.8M BNC (PEAK VALUE) TTEMC.

APPENDIX II


Page#: 258 SP File#: U1EWSBN1.EI Date: 02-05-1999 Time: 17:07:35
dBuV/m ANECHOIC CHAMBER TAIWAN TOKIN EMC ENG. CORP.
80
40
0
30 MHz 84 138 192 246 300
Limit : FCC CLASS-B 3m Probe: BBQ9168B(1288)0/C HORIZONTAL
EUT : MONITOR M/N:UCDT521452-4* Power : 120Vac/60Hz
Margin: 6dB Standard: 0 Trace: 758, 0, 0, 0, 0
Memo : 31.5KHz(640X480:60Hz) 1.5m 0-SUB


Page#: 259 SP File#: U1EWSBN1.EI Date: 02-05-1999 Time: 17:09:08
dBuV/m ANECHOIC CHAMBER TAIWAN TOKIN EMC ENG. CORP.
80
40
0
30 MHz 84 138 192 246 300
Limit : FCC CLASS-B 3m Probe: BBQ9168B(1288)0/C VERTICAL
EUT : MONITOR M/N:UCDT521452-4* Power : 120Vac/60Hz
Margin: 6dB Standard: 0 Trace: 768, 0, 0, 0, 0
Memo : 31.5KHz(640X480:60Hz) 1.5m 0-SUB

Page#: 761 SP File#: VIEWSONI.EI Date: 02-05-1999 Time: 17:11:56
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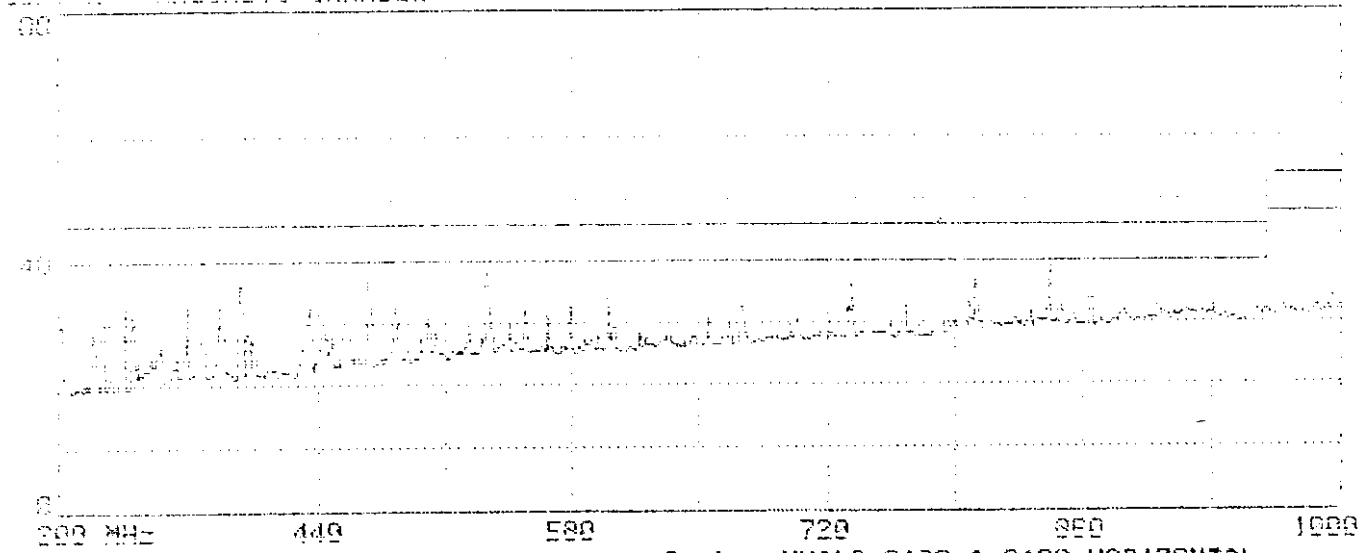
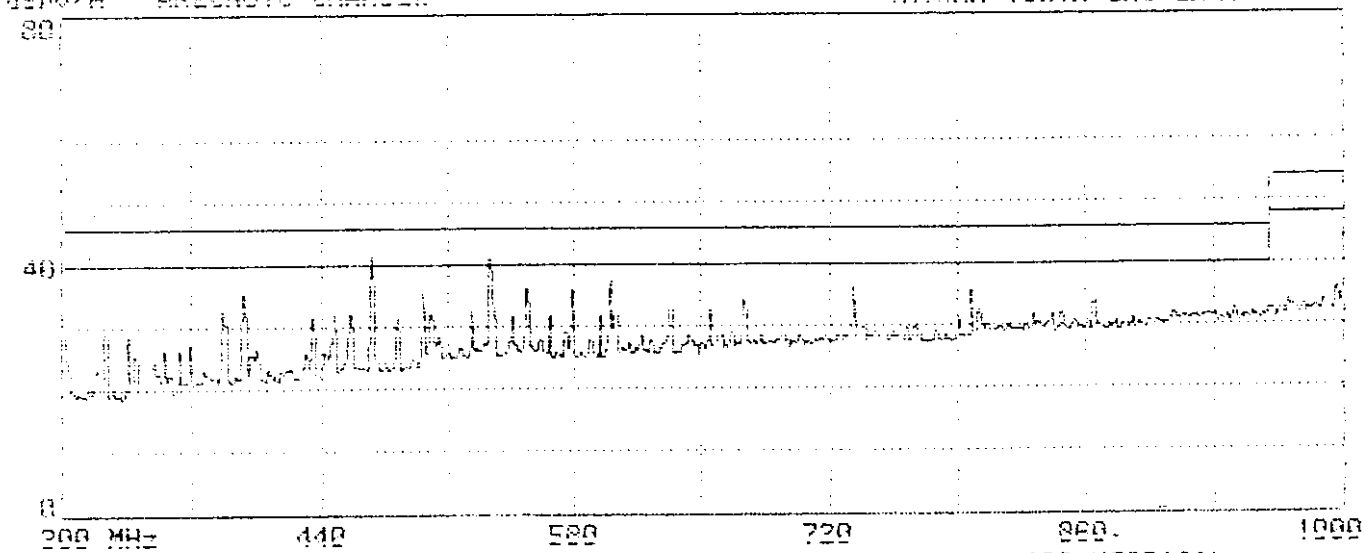
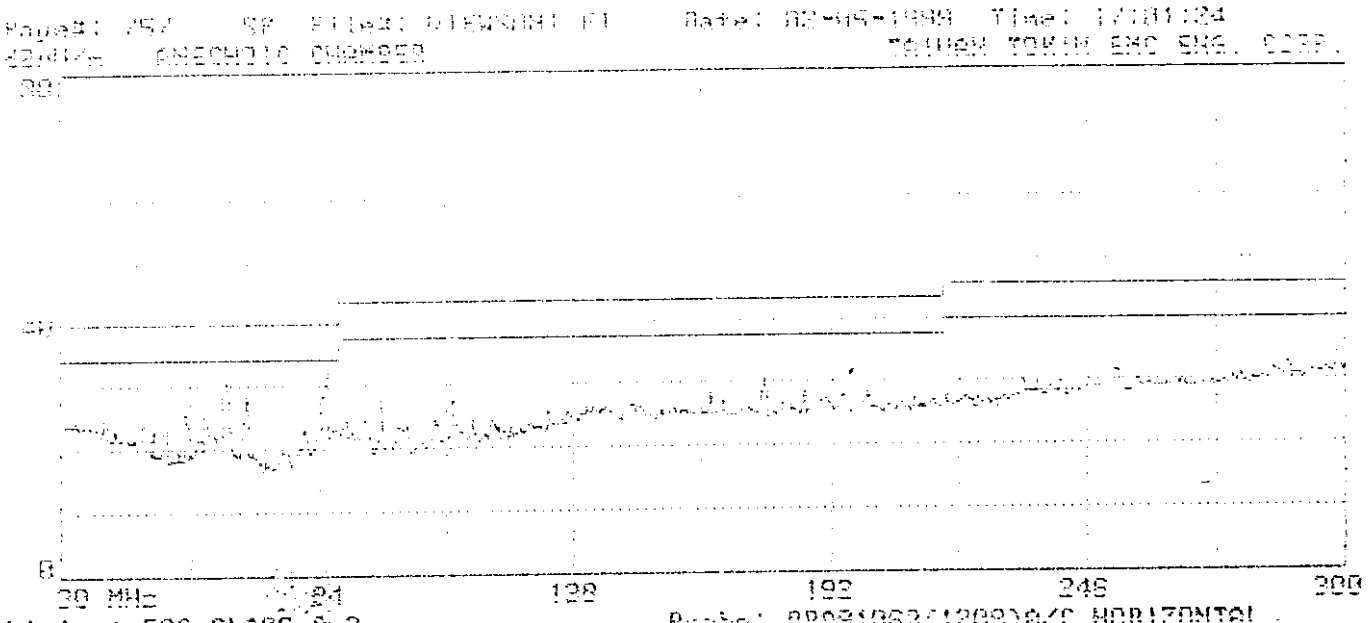


Limit : FCC CLASS-B 3m Probe: UHALP 9108-A 0139 HORIZONTAL
EUT : MONITOR M/N:VCDTS21482-4# Power: 120Vac/60Hz
Margin: 6dB Standard: 0 Trace: 761, 0, 0, 0, 0
Memo : 31.5KHz(640X480:60Hz) 1.5m D-SUB

Page#: 762 SP File#: VIEWSONI.EI Date: 02-05-1999 Time: 17:13:10
dBuV/m ANECHOIC CHAMBER TAIWAN TOKIN EMC ENG. CORP.



Limit : FCC CLASS-B 3m Probe: UHALP 9108-A 0139 VERTICAL
EUT : MONITOR M/N:VCDTS21482-4# Power: 120Vac/60Hz
Margin: 6dB Standard: 0 Trace: 762, 0, 0, 0, 0
Memo : 31.5KHz(640X480:60Hz) 1.5m D-SUB


Page#: 757 SP File#: VIEWSONI F1 Date: 02-05-1998 Time: 17:01:24
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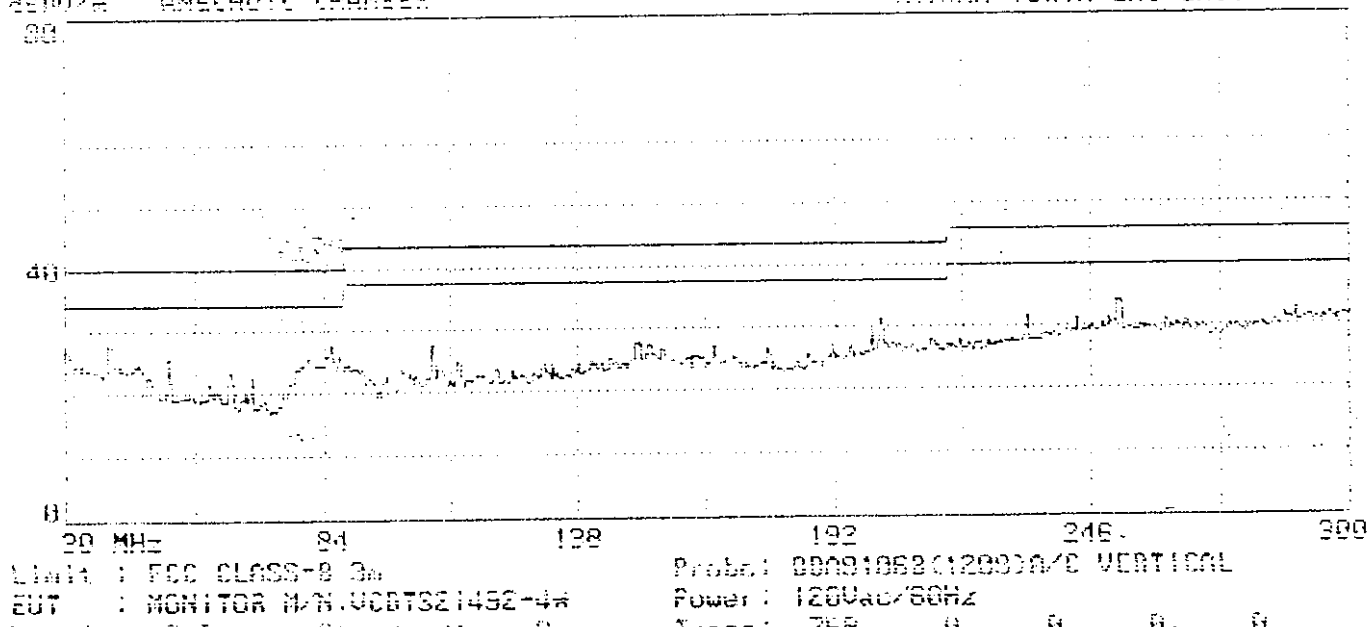
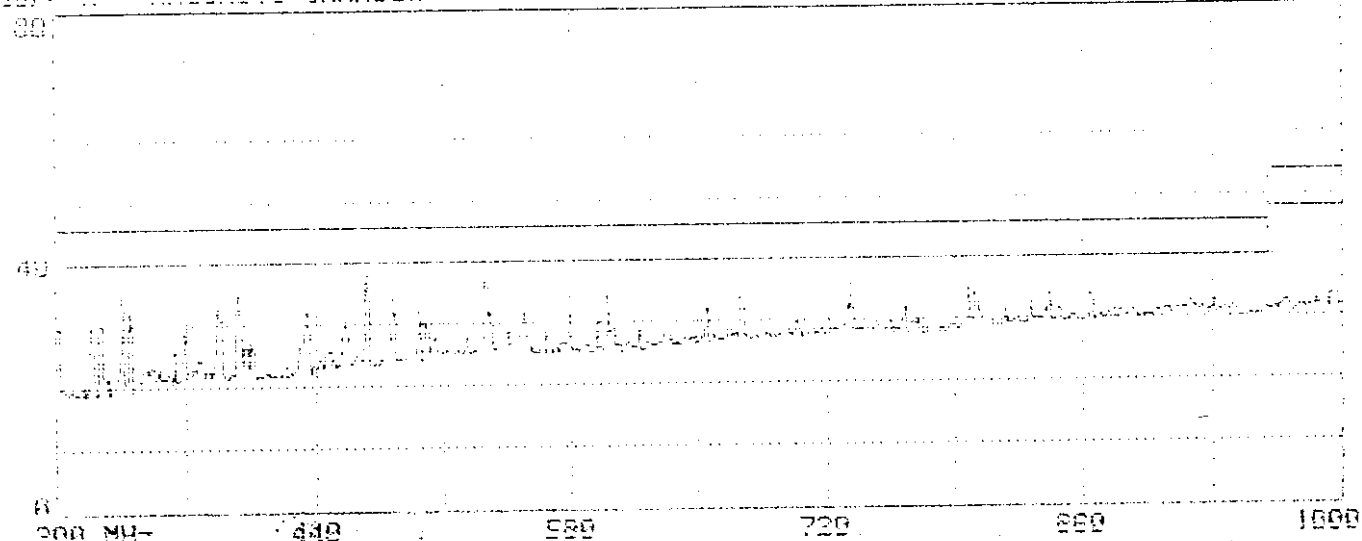
30
dB
0
30 MHz 84 138 192 246 300
Limit : FCC CLASS-B 3m Probe: 30931062(1200)0/C HORIZONTAL
EUT : MONITOR M/N:VCBTS21452-4x Power : 120Vac/60Hz
Margin: 6dB Standard: 0 Trace: 757, 0, 0, 0, 0
Memo : 31.5KHz(640X480:60Hz) 1.8m D-SUB

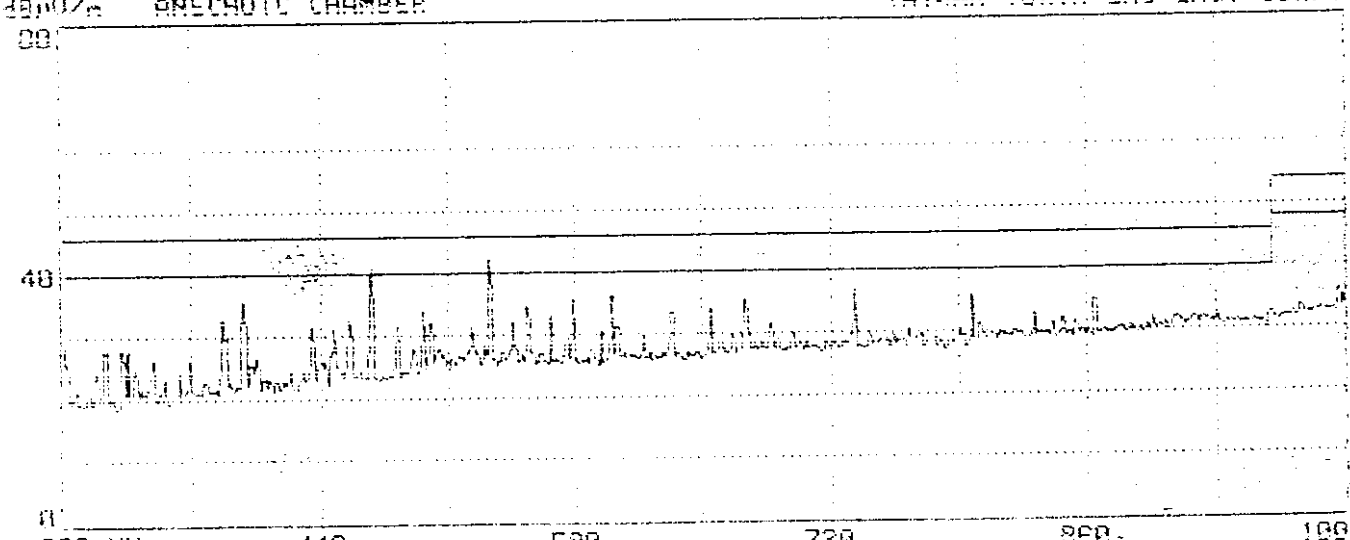

Page#: 758 SP File#: VIEWSONI F1 Date: 02-05-1998 Time: 17:02:50
dBuV/m ENECHOIC CHAMBER TAIWAN TOKIN ENC ENG. CORP.
30
dB
0
30 MHz 84 138 192 246 300
Limit : FCC CLASS-B 3m Probe: 30931062(1200)0/C VERTICAL
EUT : MONITOR M/N:VCBTS21452-4x Power : 120Vac/60Hz
Margin: 6dB Standard: 0 Trace: 758, 0, 0, 0, 0
Memo : 31.5KHz(640X480:60Hz) 1.8m D-SUB

Page#: 755 SP File#: V1EWSON1.FI Date: 02-05-1999 Time: 16:57:29
dBμV/m ANECHOIC CHAMBER TAIWAN TOKIN EMC ENG. CORP.



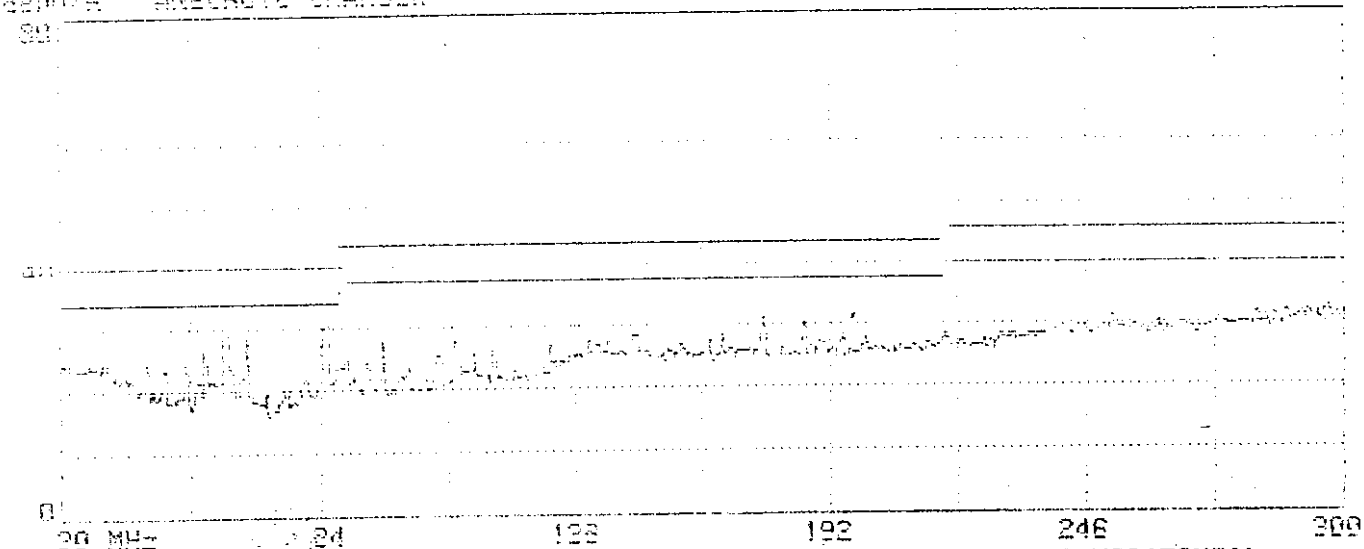
Limit : FCC CLASS-B 3m Probe: UHALP 0108-0 0139 HORIZONTAL
EUT : MONITOR M/N:VCBTS21452-4# Power : 120Vac/60Hz
Margin: 6dB Standard: 0 Trace: 755, 0, 0, 0, 0
Memo : 31.5KHz(640X480:60Hz) 1.8m D-SUB

Page#: 756 SP File#: V1EWSON1.FI Date: 02-05-1999 Time: 16:58:59
dBμV/m ANECHOIC CHAMBER TAIWAN TOKIN EMC ENG. CORP.



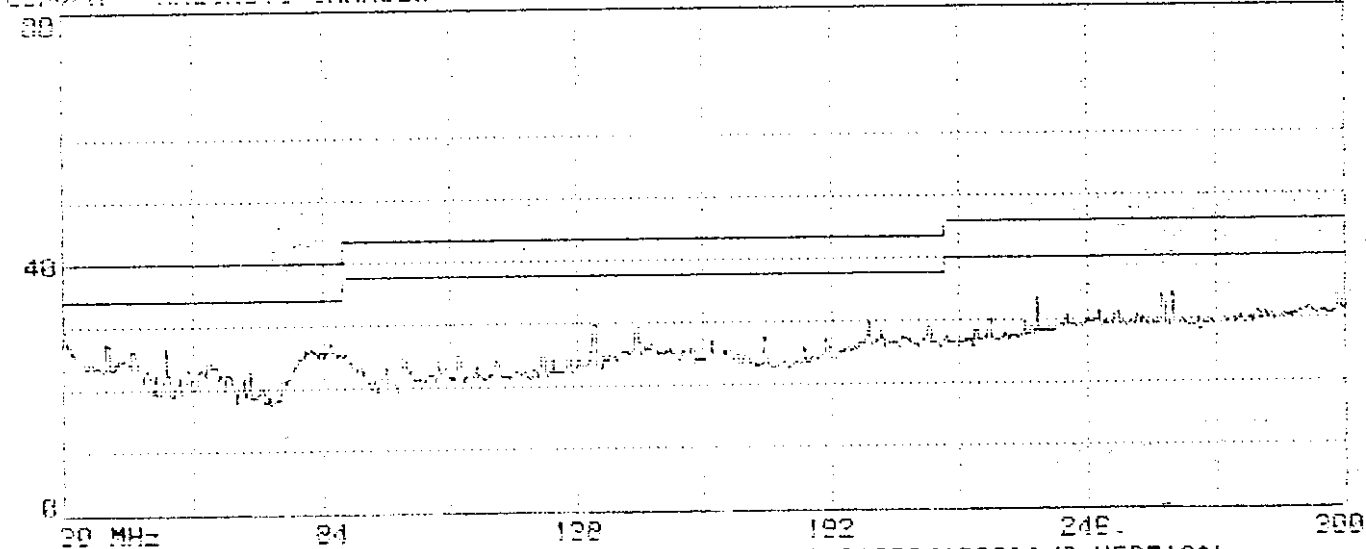
Limit : FCC CLASS-B 3m Probe: UHALP 0108-0 0139 VERTICAL
EUT : MONITOR M/N:VCBTS21452-4# Power : 120Vac/60Hz
Margin: 6dB Standard: 0 Trace: 756, 0, 0, 0, 0
Memo : 31.5KHz(640X480:60Hz) 1.8m D-SUB

Page#: 751 SP File#: VIEWSONI.EI Date: 02-05-1999 Time: 16:49:18
dBuV/m ANECHOIC CHAMBER TAIWAN TOKIN EMC ENG. CORP.

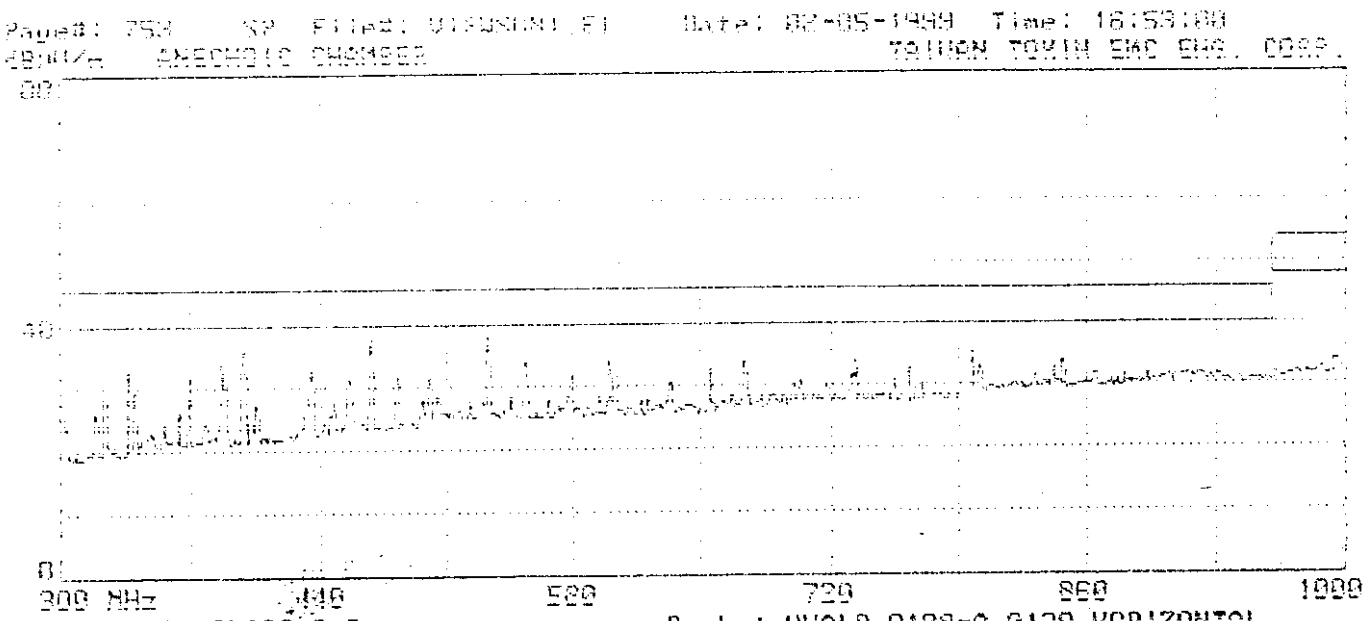


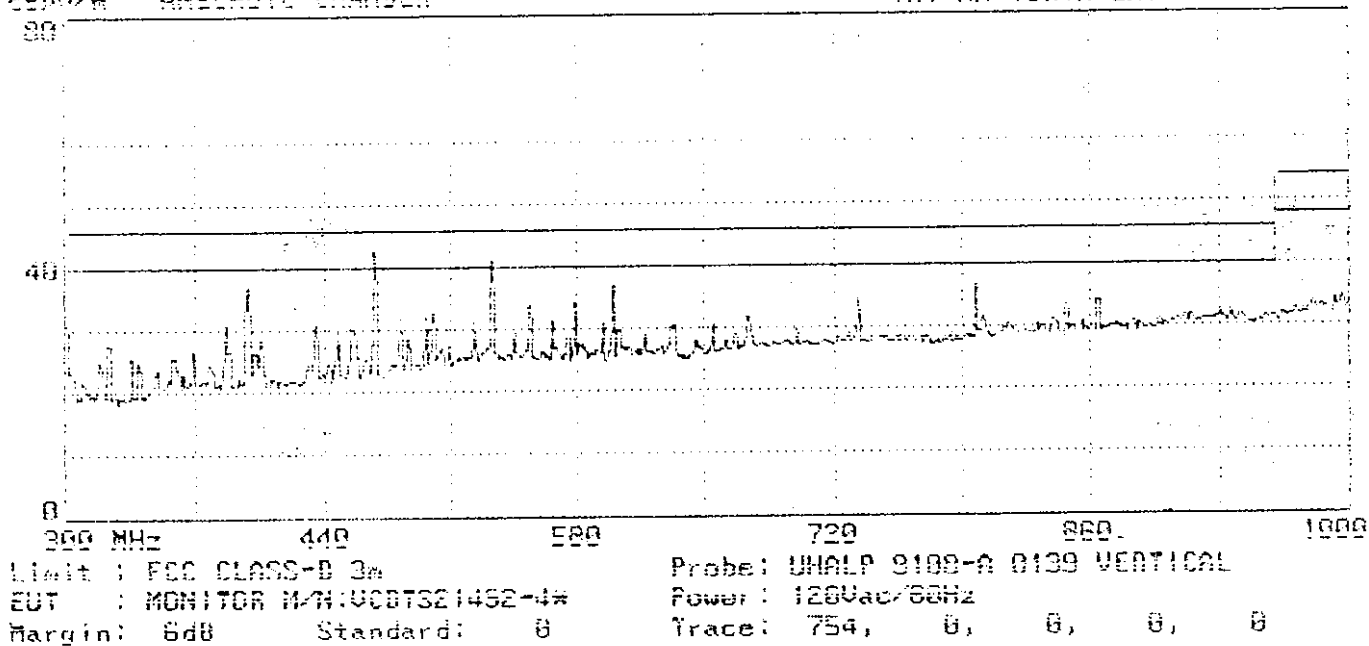
Limit : FCC CLASS-B 3m Probe: 8909108B(1209)0/C HORIZONTAL
EUT : MONITOR M/N:VCDT3214S2-4* Power: 120Vac/60Hz
Margin: 6dB Standard: 0 Trace: 751, 0, 0, 0, 0
Memo : 31.5KHz(640X480:60Hz) 3.0m D-SUB

Page#: 752 SP File#: VIEWSONI.EI Date: 02-05-1999 Time: 16:50:26
dBuV/m ANECHOIC CHAMBER TAIWAN TOKIN EMC ENG. CORP.

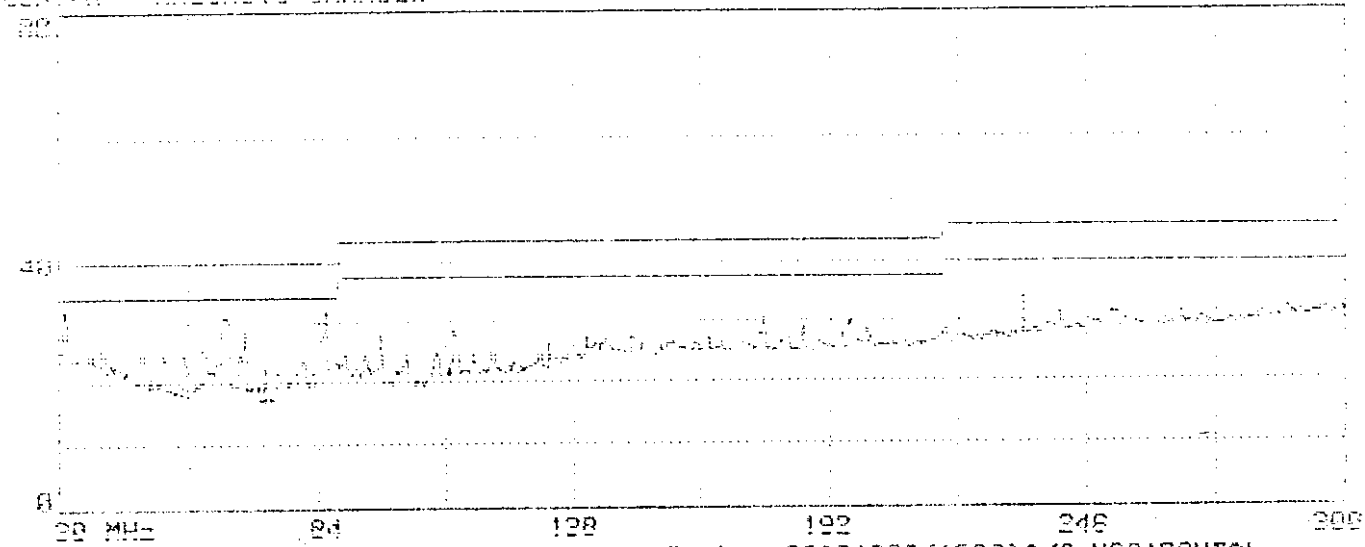


Limit : FCC CLASS-B 3m Probe: 8909108B(1209)0/C VERTICAL
EUT : MONITOR M/N:VCDT3214S2-4* Power: 120Vac/60Hz
Margin: 6dB Standard: 0 Trace: 752, 0, 0, 0, 0
Memo : 31.5KHz(640X480:60Hz) 3.0m D-SUB


Page#: 753 SP File#: U1EWSUN1.EI Date: 02-05-1999 Time: 16:53:00
dBuV/m ANECHOIC CHAMBER TOYOIN TOKIN EMC ENG. CORP.
80
40
0
300 MHz 440 580 720 860 1000
Limit : FCC CLASS-B 3m Probe: UHALP 9108-A 0139 HORIZONTAL
EUT : MONITOR M/N:UCDTS21452-4* Power : 120Vac/60Hz
Margin: 6dB Standard: 0 Trace: 753, 0, 0, 0, 0
Memo : 31.5KHz(640X480:60Hz) 3.0m D-SUB

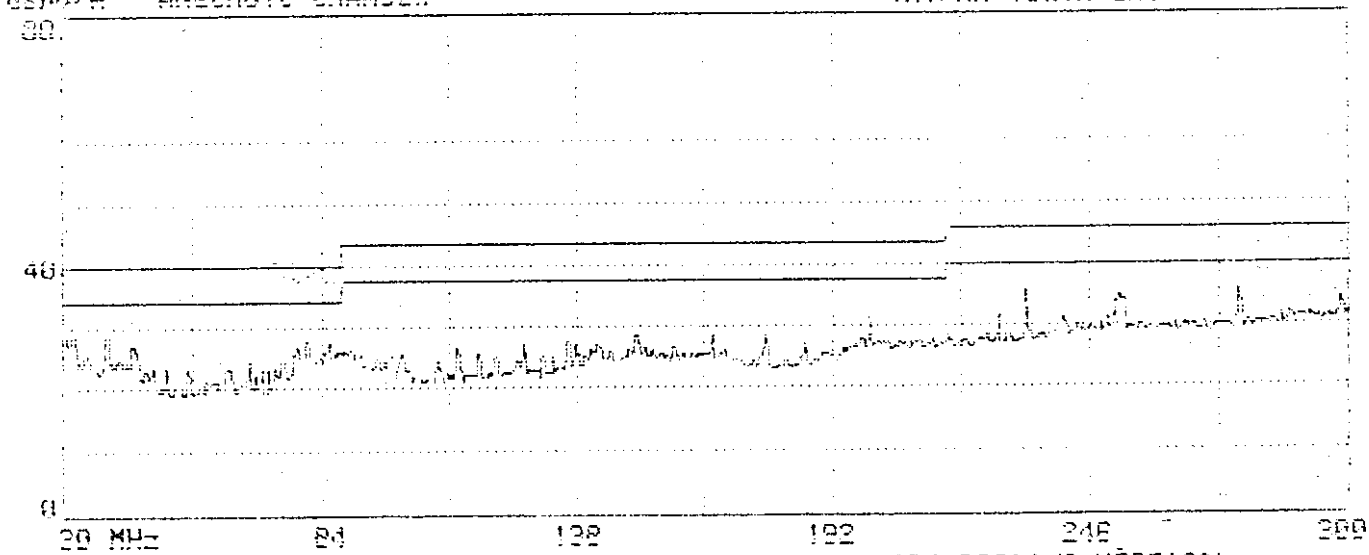

Page#: 754 SP File#: U1EWSUN1.EI Date: 02-05-1999 Time: 16:54:02
dBuV/m ANECHOIC CHAMBER TOYOIN TOKIN EMC ENG. CORP.
80
40
0
300 MHz 440 580 720 860 1000
Limit : FCC CLASS-B 3m Probe: UHALP 9108-A 0139 VERTICAL
EUT : MONITOR M/N:UCDTS21452-4* Power : 120Vac/60Hz
Margin: 6dB Standard: 0 Trace: 754, 0, 0, 0, 0
Memo : 31.5KHz(640X480:60Hz) 3.0m D-SUB

Page#: 765 SP File#: VIEWSONI.EI Date: 02-05-1999 Time: 17:21:59
dBuV/m ANECHOIC CHAMBER TAIWAN TOKIN EMC ENG. CORP.



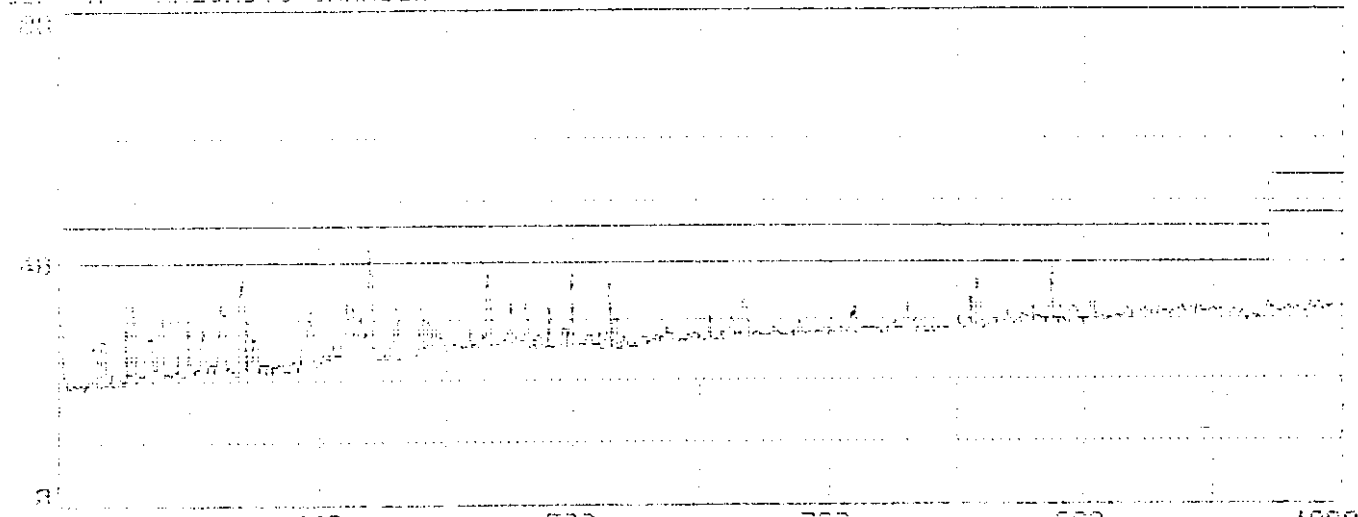
Limit : FCC CLASS-B 3m Probe: 9KHz~1GHz(120S)A/C HORIZONTAL
EUT : MONITOR M/N:VCDT3214S2-4* Power: 120VAC/60Hz
Margin: 6dB Standard: 0 Trace: 765, 0, 0, 0, 0
Memo : 31.5KHz(640X480:60Hz) 1.8m BNC

Page#: 766 SP File#: VIEWSONI.EI Date: 02-05-1999 Time: 17:24:04
dBuV/m ANECHOIC CHAMBER TAIWAN TOKIN EMC ENG. CORP.



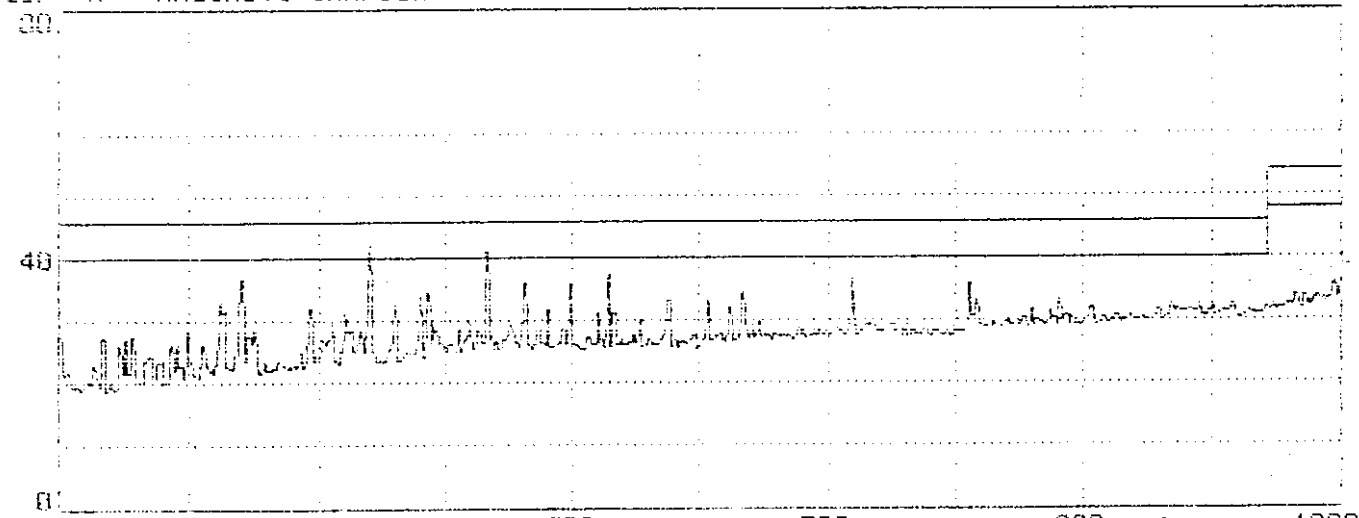
Limit : FCC CLASS-B 3m Probe: 9KHz~1GHz(120S)A/C VERTICAL
EUT : MONITOR M/N:VCDT3214S2-4* Power: 120VAC/60Hz
Margin: 6dB Standard: 0 Trace: 766, 0, 0, 0, 0
Memo : 31.5KHz(640X480:60Hz) 1.8m BNC

Page#: 763 SP File#: V16USDN1.EI Date: 02-05-1998 Time: 17:17:25
ANECHOIC CHAMBER TAIWAN TOKIN EMC ENG. CORP.

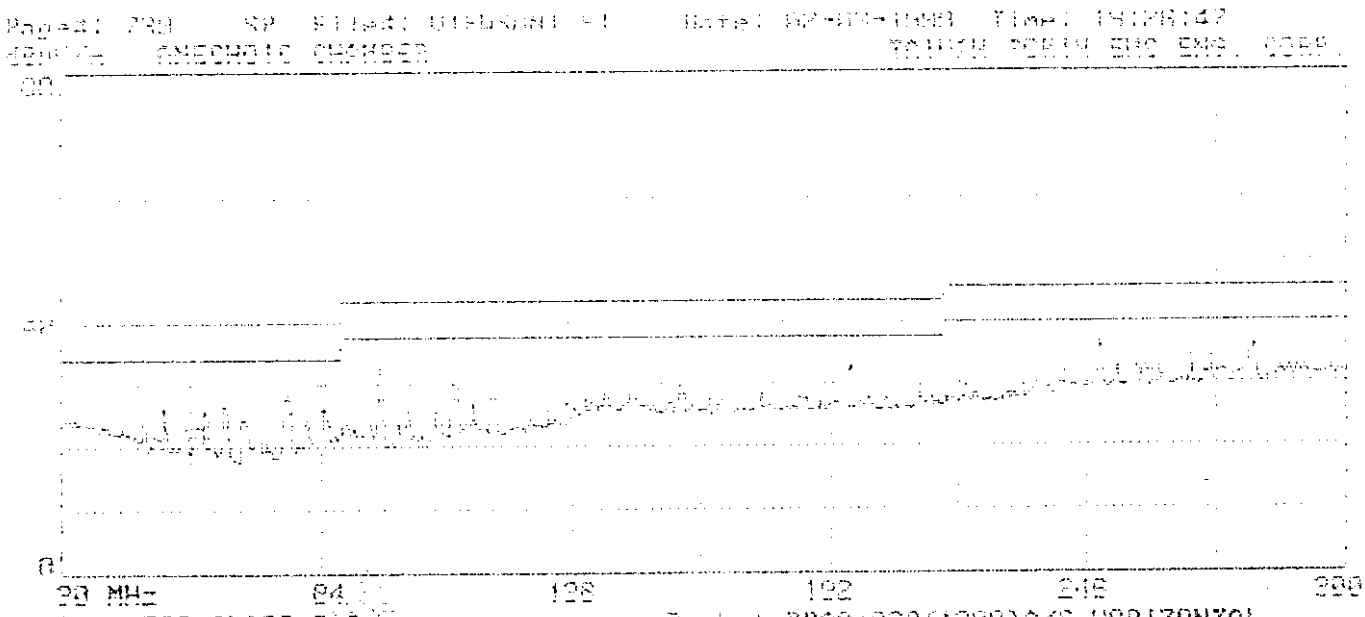


Limit : FCC CLASS-B 3m Probe: UHALP 0108-A 0139 HORIZONTAL
EUT : MONITOR M/N:VCDTS21452-4m Power : 120Vac/60Hz
Margin: 6dB Standard: 0 Trace: 763, 0, 0, 0, 0
Memo : 31.5KHz(640X480:60Hz) 1.8m BNC

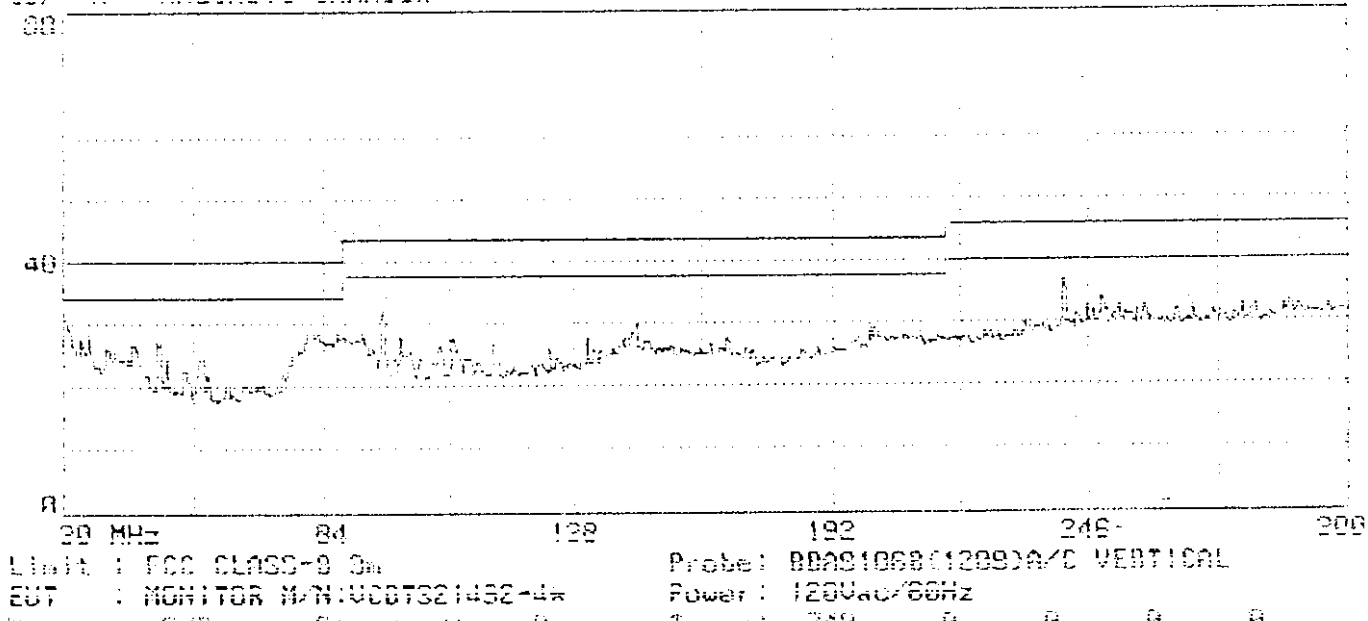
Page#: 764 SP File#: V16USDN1.EI Date: 02-05-1998 Time: 17:18:59
ANECHOIC CHAMBER TAIWAN TOKIN EMC ENG. CORP.



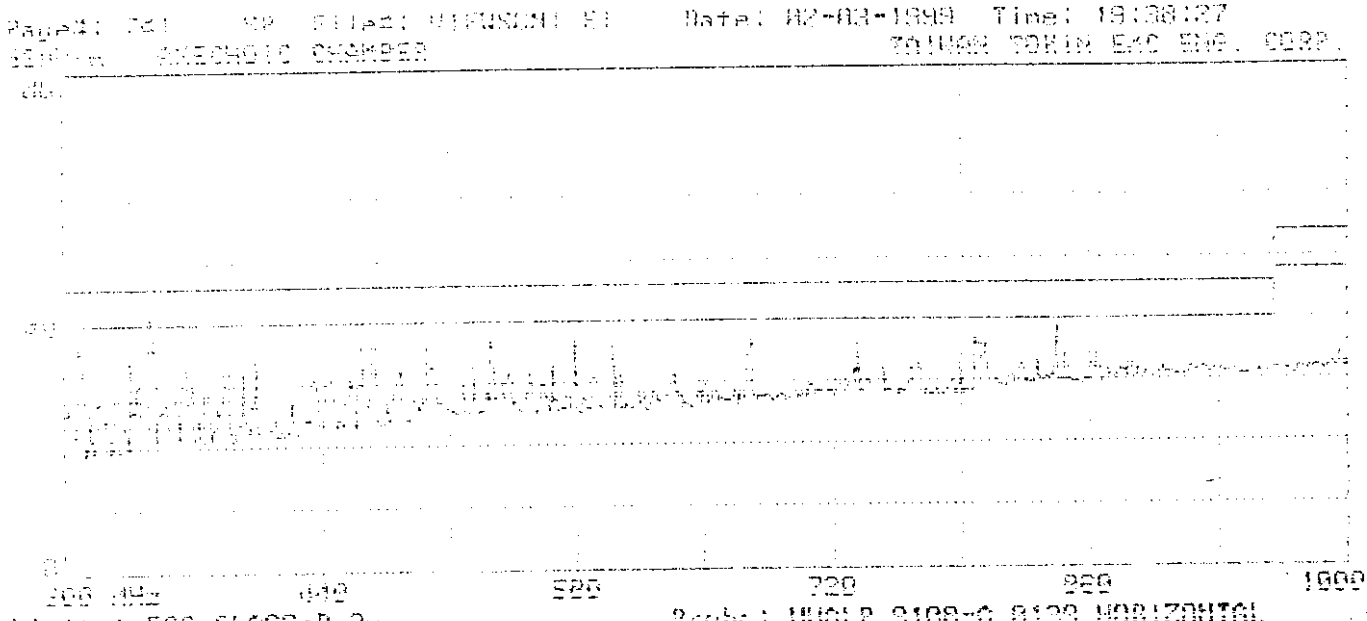
Limit : FCC CLASS-B 3m Probe: UHALP 0108-A 0139 VERTICAL
EUT : MONITOR M/N:VCDTS21452-4m Power : 120Vac/60Hz
Margin: 6dB Standard: 0 Trace: 764, 0, 0, 0, 0
Memo : 31.5KHz(640X480:60Hz) 1.8m BNC

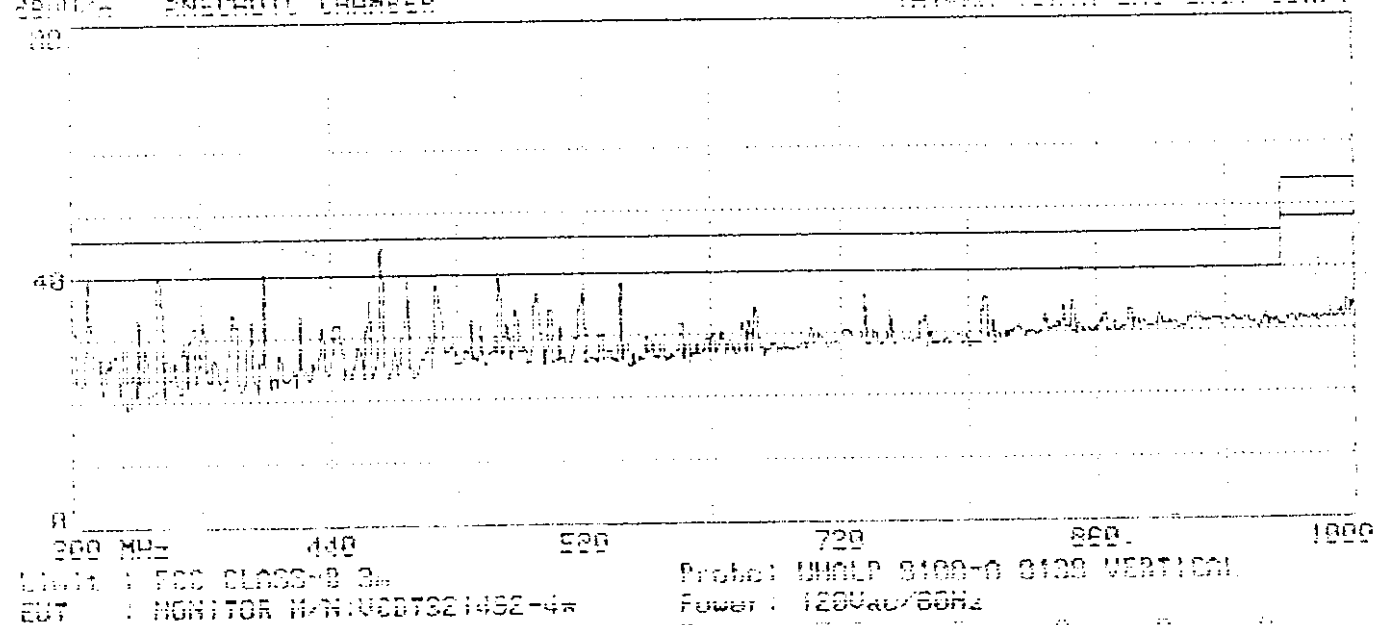


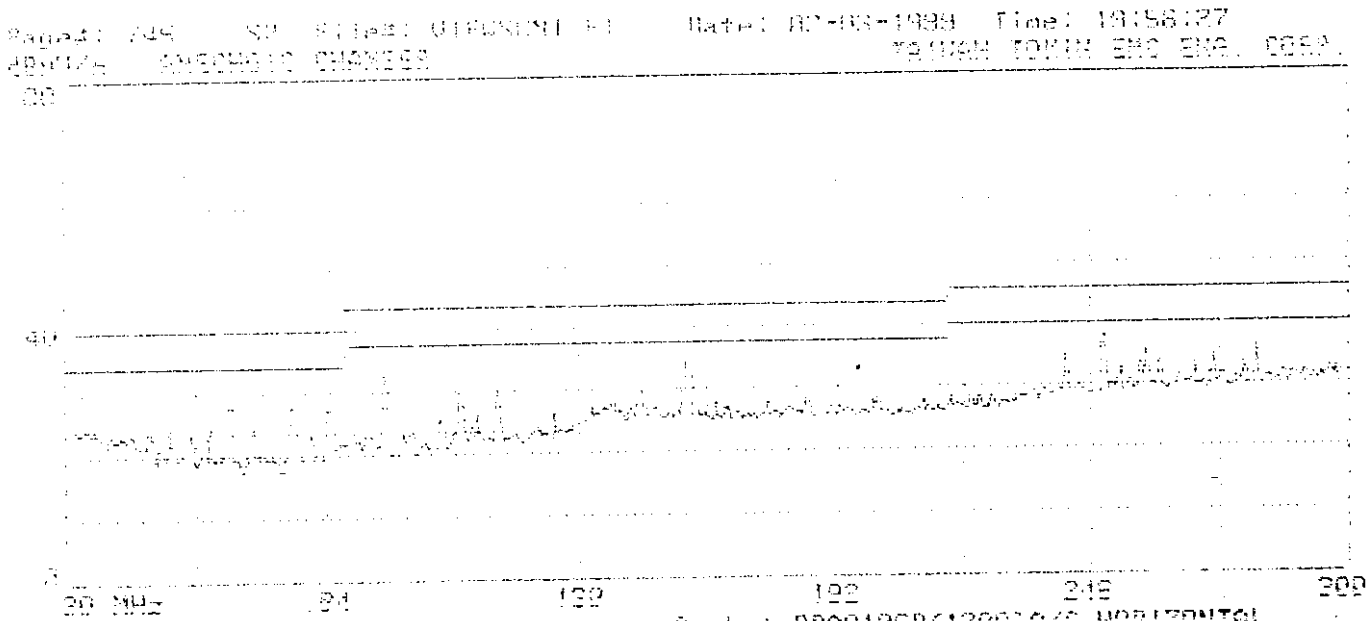
Limit : FCC CLASS-B 3m Probe: BBA9108(1288)A/C HORIZONTAL
EUT : MONITOR M/N:UCDT321452-4* Power: 120Vac/60Hz
Margin: 6dB Standard: 0 Trace: 730, 0, 0, 0, 0
Memo : 115KHz(1600X1200:92Hz) 1.5m D-SUB

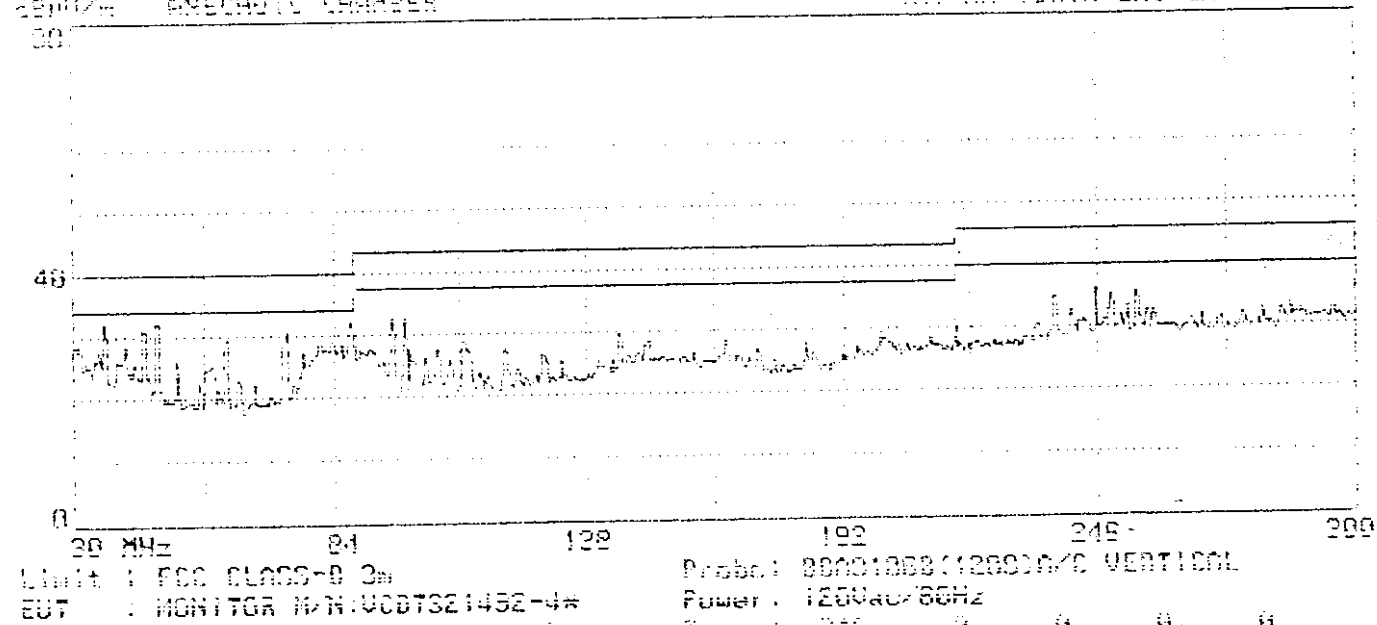


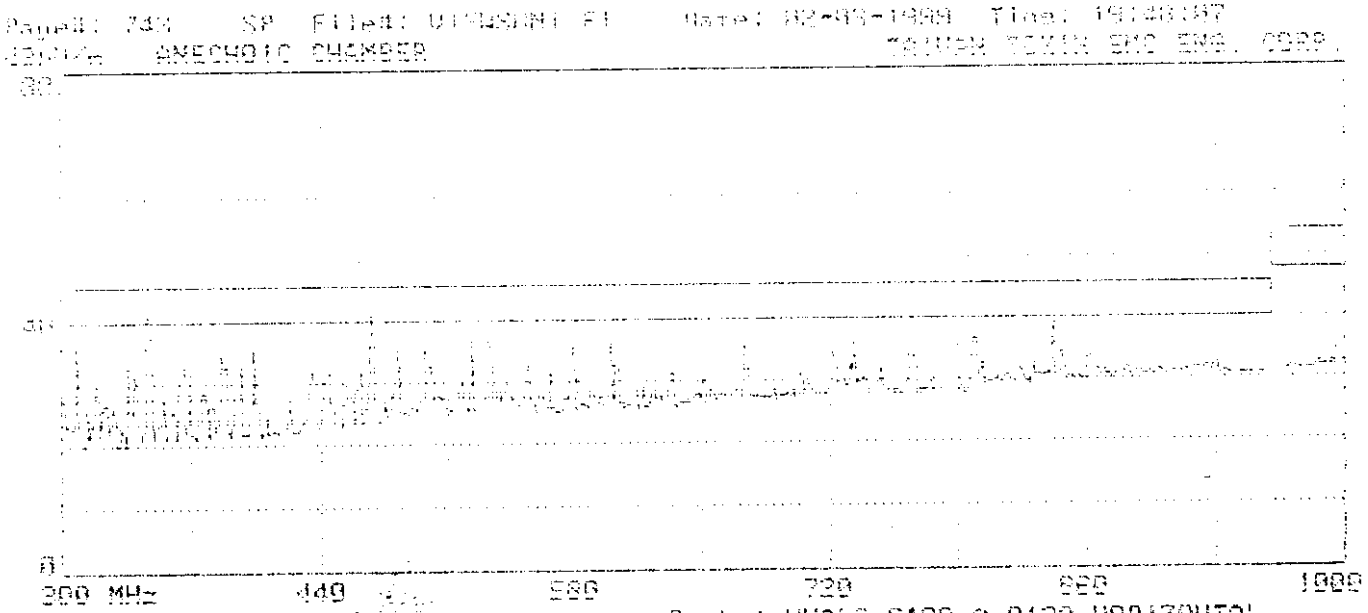
Limit : FCC CLASS-B 3m Probe: BBA9108(1288)A/C VERTICAL
EUT : MONITOR M/N:UCDT321452-4* Power: 120Vac/60Hz
Margin: 6dB Standard: 0 Trace: 748, 0, 0, 0, 0
Memo : 115KHz(1600X1200:92Hz) 1.5m D-SUB

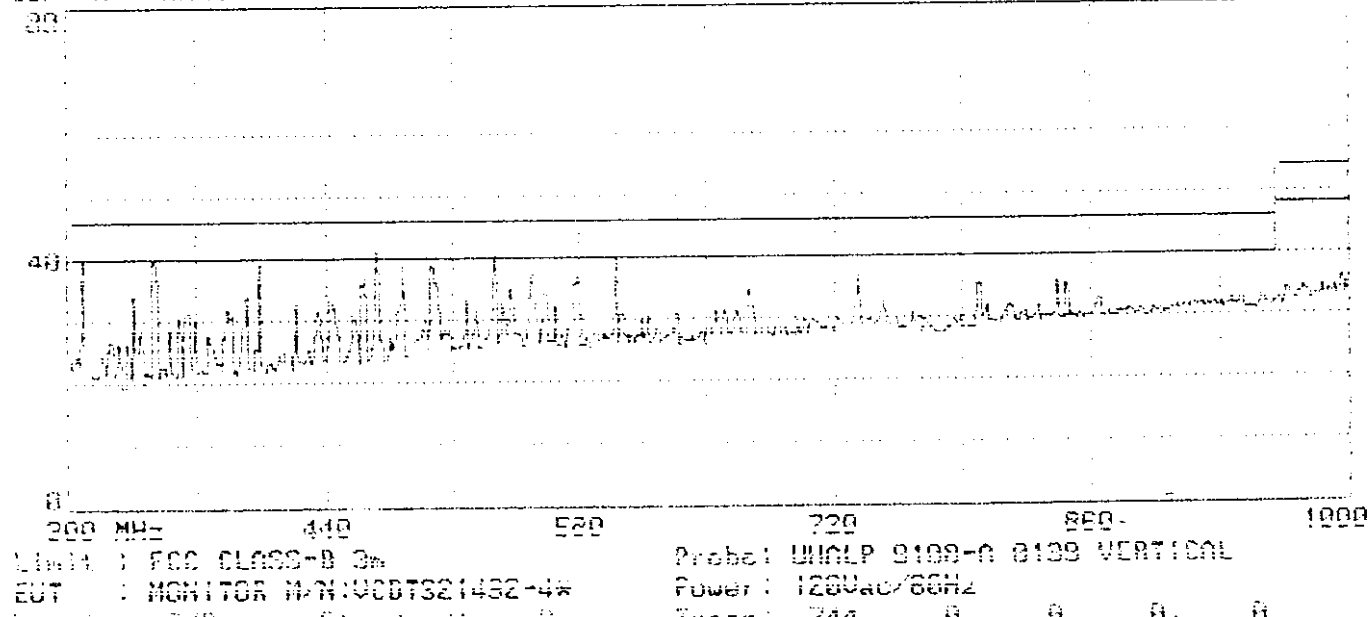

Page#: 741 SP File#: VIEWSONI.EI Date: 02-03-1999 Time: 19:38:27
ANECHOIC CHAMBER TAIWAN TOKIN EMC ENG. CORP.
dBuV/m
40
0
200 MHz 440 520 720 880 1000
Limit : FCC CLASS-B 3m Probe: UHALP 0108-0 0120 HORIZONTAL
EUT : MONITOR M/N:VCDT32I4SZ-4* Power : 120Vac/60Hz
Margin: 0dB Standard: 0 Trace: 741, 0, 0, 0, 0
Memo : 115KHz(1600X1200:92Hz) 1.5m D-SUB


Page#: 742 SP File#: VIEWSONI.EI Date: 02-03-1999 Time: 19:41:07
ANECHOIC CHAMBER TAIWAN TOKIN EMC ENG. CORP.
dBuV/m
40
0
200 MHz 440 520 720 880 1000
Limit : FCC CLASS-B 3m Probe: UHALP 0108-0 0120 VERTICAL
EUT : MONITOR M/N:VCDT32I4SZ-4* Power : 120Vac/60Hz
Margin: 0dB Standard: 0 Trace: 742, 0, 0, 0, 0
Memo : 115KHz(1600X1200:92Hz) 1.5m D-SUB

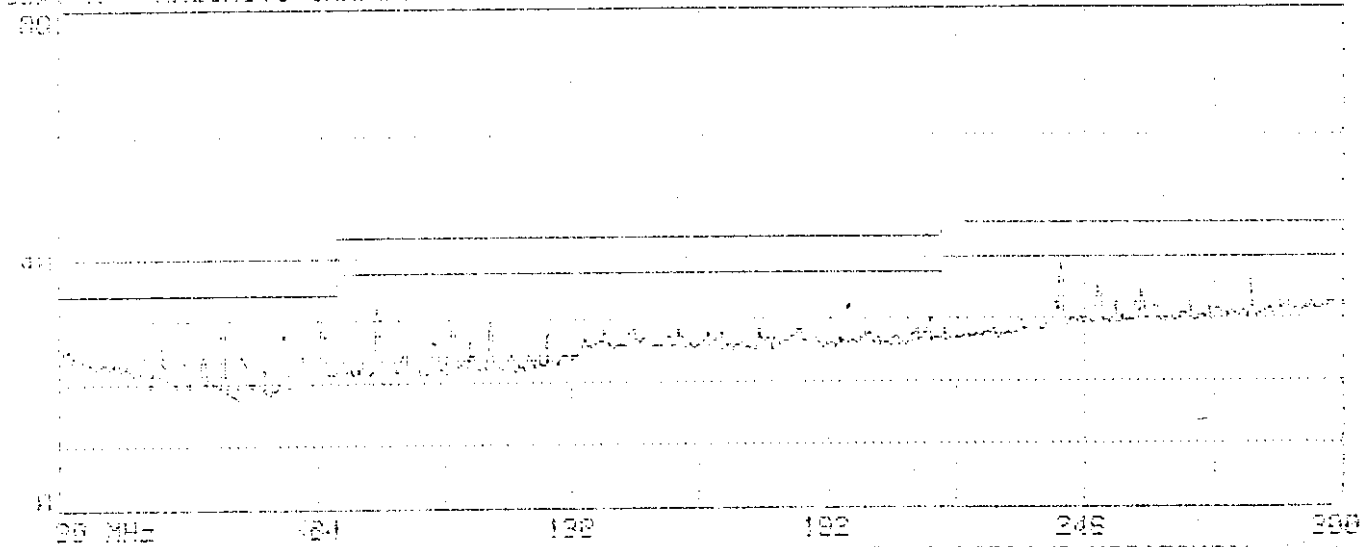

Page#: 748 SP File#: UIEWSBNI E1 Date: 02-03-1999 Time: 19:56:27
dBuV/m ANECHOIC CHAMBER TAIWAN TOKIN EMC ENG. CORP.
80
40
0
30 MHz 84 138 192 246 300
Limit : FCC CLASS-B 3m Probe: BBHA1308(1200)0/C HORIZONTAL
EUT : MONITOR M/N:UCDTS21432-4# Power: 120Vac/60Hz
Margin: 6dB Standard: 0 Trace: 746, 0, 0, 0, 0
Memo : 115KHz(1600X1200:92Hz) 1.8m D-SUB


Page#: 748 SP File#: UIEWSBNI E1 Date: 02-03-1999 Time: 19:58:19
dBuV/m ANECHOIC CHAMBER TAIWAN TOKIN EMC ENG. CORP.
80
40
0
30 MHz 84 138 192 246 300
Limit : FCC CLASS-B 3m Probe: BBHA1308(1200)0/C VERTICAL
EUT : MONITOR M/N:UCDTS21432-4# Power: 120Vac/60Hz
Margin: 6dB Standard: 0 Trace: 746, 0, 0, 0, 0
Memo : 115KHz(1600X1200:92Hz) 1.8m D-SUB


Page#: 743 SP File#: U1EWSONI FI Date: 02-03-1999 Time: 19:48:37
dBµV/m ANECHOIC CHAMBER TAIWAN TOKIN EMC ENG. CORP.
80
40
0
200 MHz 440 680 920 1200 1600
Limit : FCC CLASS-B 3m Probe: UHALP 9108-A 0139 HORIZONTAL
EUT : MONITOR M/N:VCDT3214S2-4* Power : 120Vac/60Hz
Margin: 6dB Standard: 0 Trace: 743, 0, 0, 0, 0
Memo : 115KHz(1600X1200:82Hz) 1.8m D-SUB

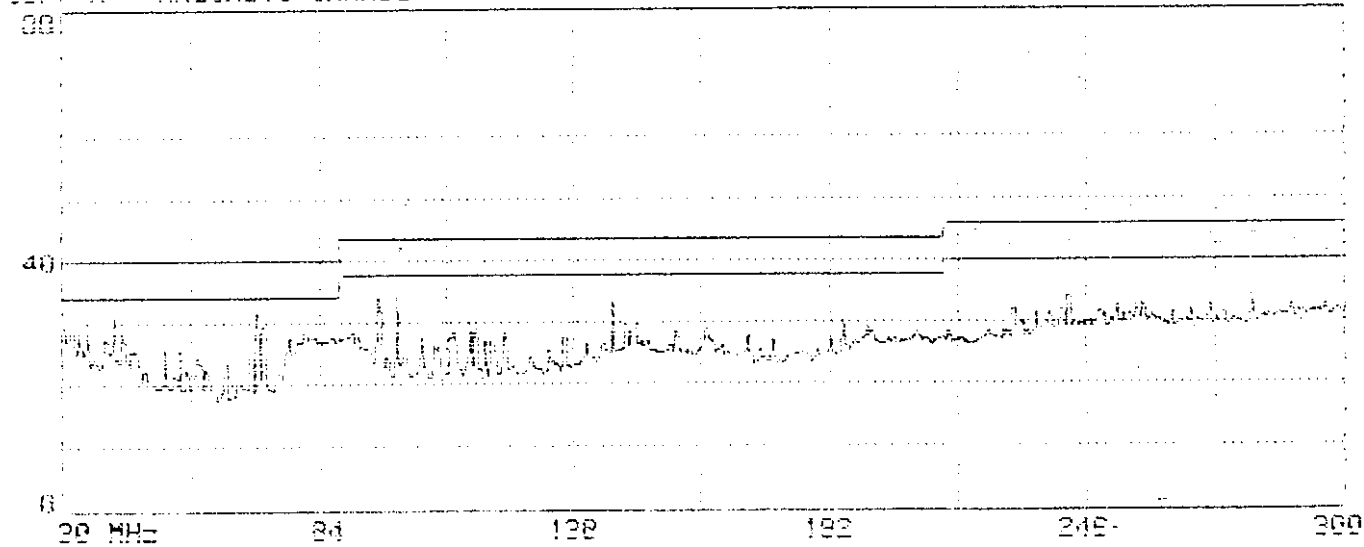

Page#: 744 SP File#: U1EWSONI FI Date: 02-03-1999 Time: 19:52:47
dBµV/m ANECHOIC CHAMBER TAIWAN TOKIN EMC ENG. CORP.
80
40
0
200 MHz 440 680 920 1200 1600
Limit : FCC CLASS-B 3m Probe: UHALP 9108-A 0139 VERTICAL
EUT : MONITOR M/N:VCDT3214S2-4* Power : 120Vac/60Hz
Margin: 6dB Standard: 0 Trace: 744, 0, 0, 0, 0
Memo : 115KHz(1600X1200:92Hz) 1.8m D-SUB

Page#: 747 SP File#: V1FWSON1.EI Date: 02-03-1999 Time: 20:06:35
dBuV/m ANECHOIC CHAMBER TAIWAN TOKIN EMC ENG. CORP.

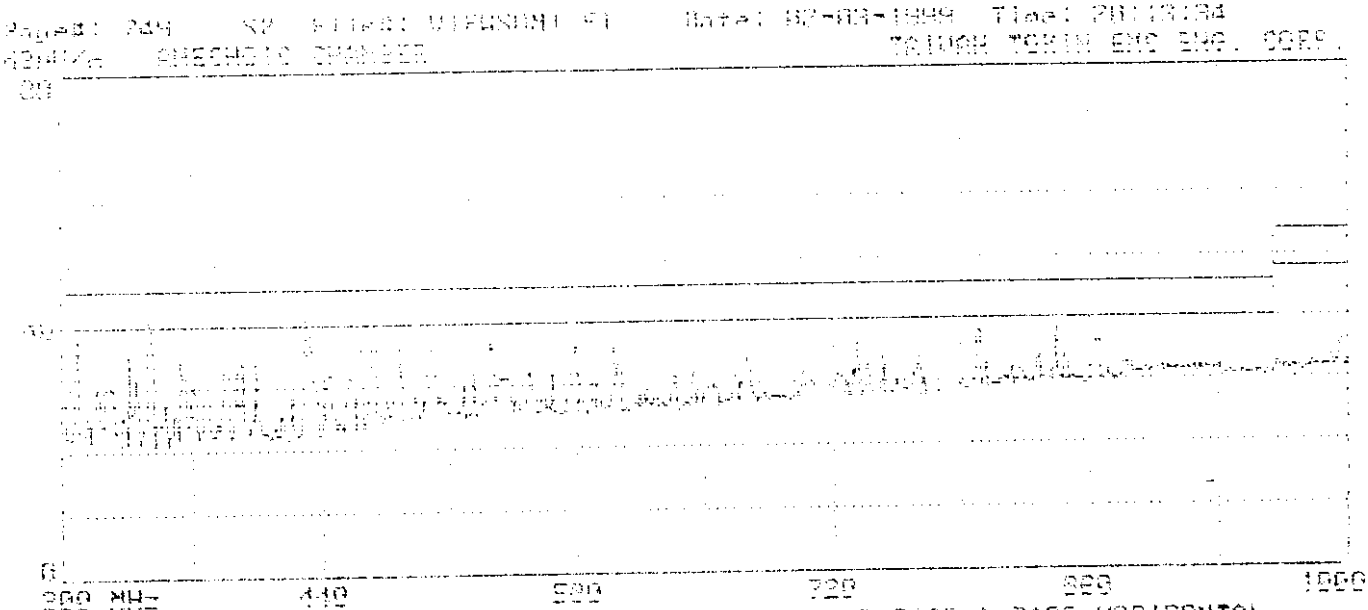


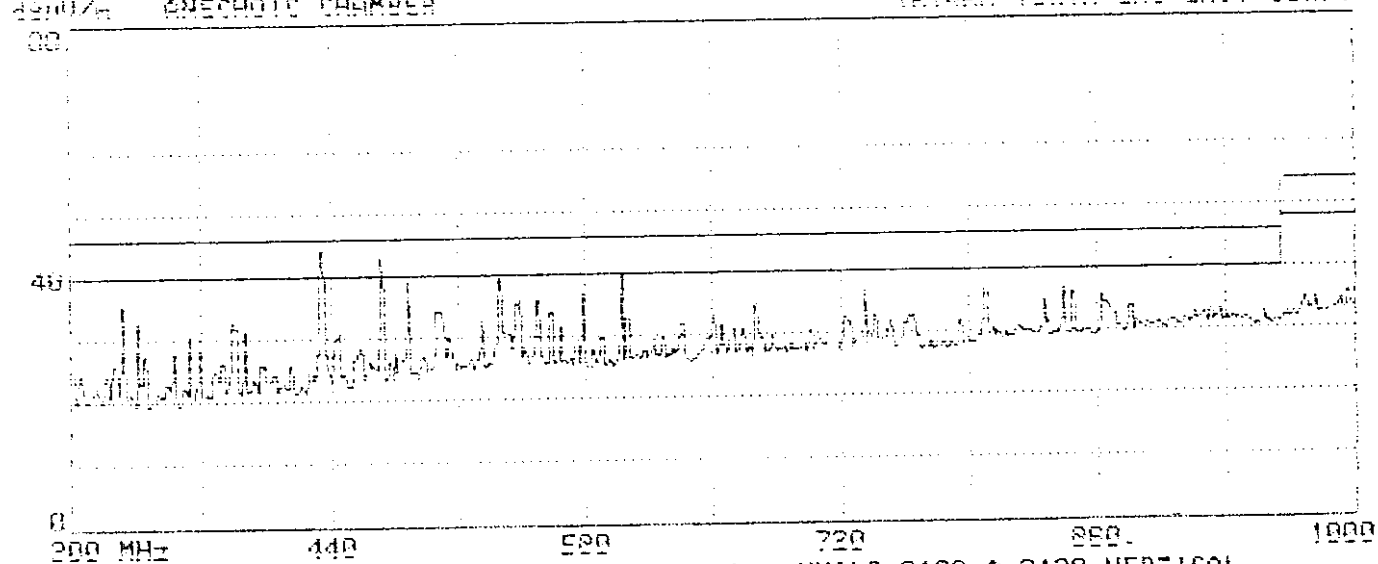
Limit : FCC CLASS-B 3m Probe: 8009108B(1288)A/C HORIZONTAL
EUT : MONITOR M/N:VCDT3214S2-4# Power: 120Vac/60Hz
Margin: 6dB Standard: 0 Trace: 747, 0, 0, 0, 0
Memo : 115KHz(1600X1200:92Hz) 3.0m D-SUB

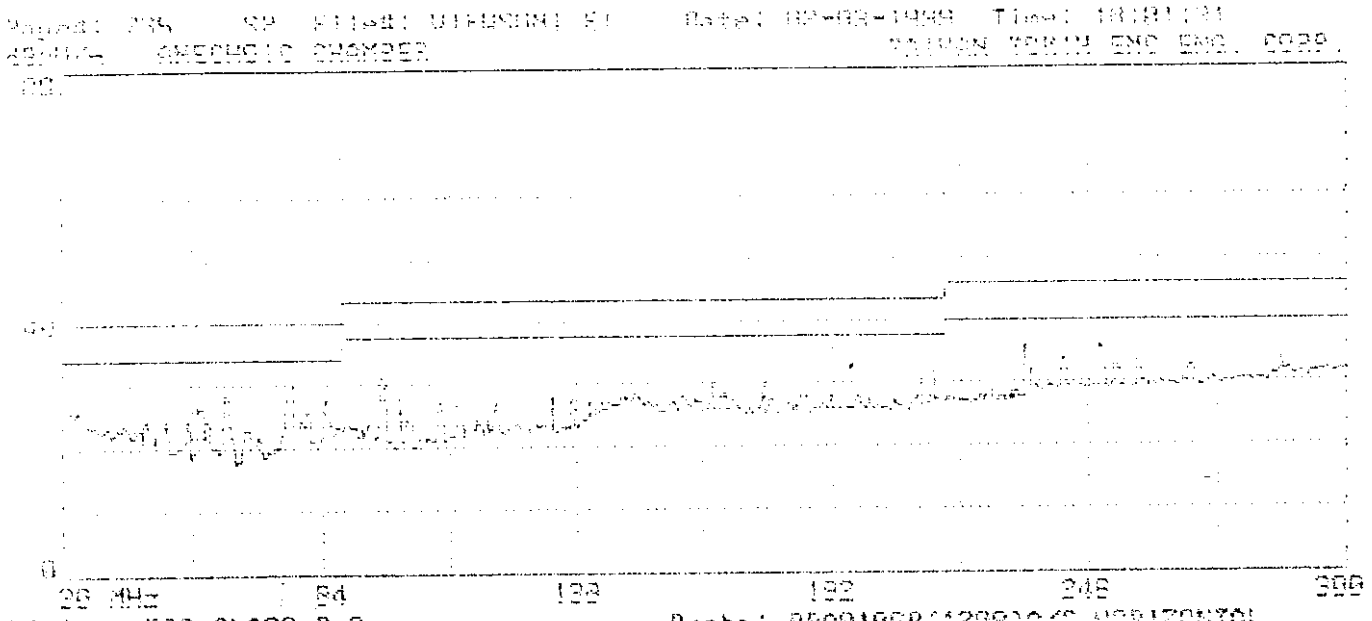
Page#: 748 SP File#: V1FWSON1.EI Date: 02-03-1999 Time: 20:08:41
dBuV/m ANECHOIC CHAMBER TAIWAN TOKIN EMC ENG. CORP.



Limit : FCC CLASS-B 3m Probe: 8009108B(1288)A/C VERTICAL
EUT : MONITOR M/N:VCDT3214S2-4# Power: 120Vac/60Hz
Margin: 6dB Standard: 0 Trace: 748, 0, 0, 0, 0
Memo : 115KHz(1600X1200:92Hz) 3.0m D-SUB

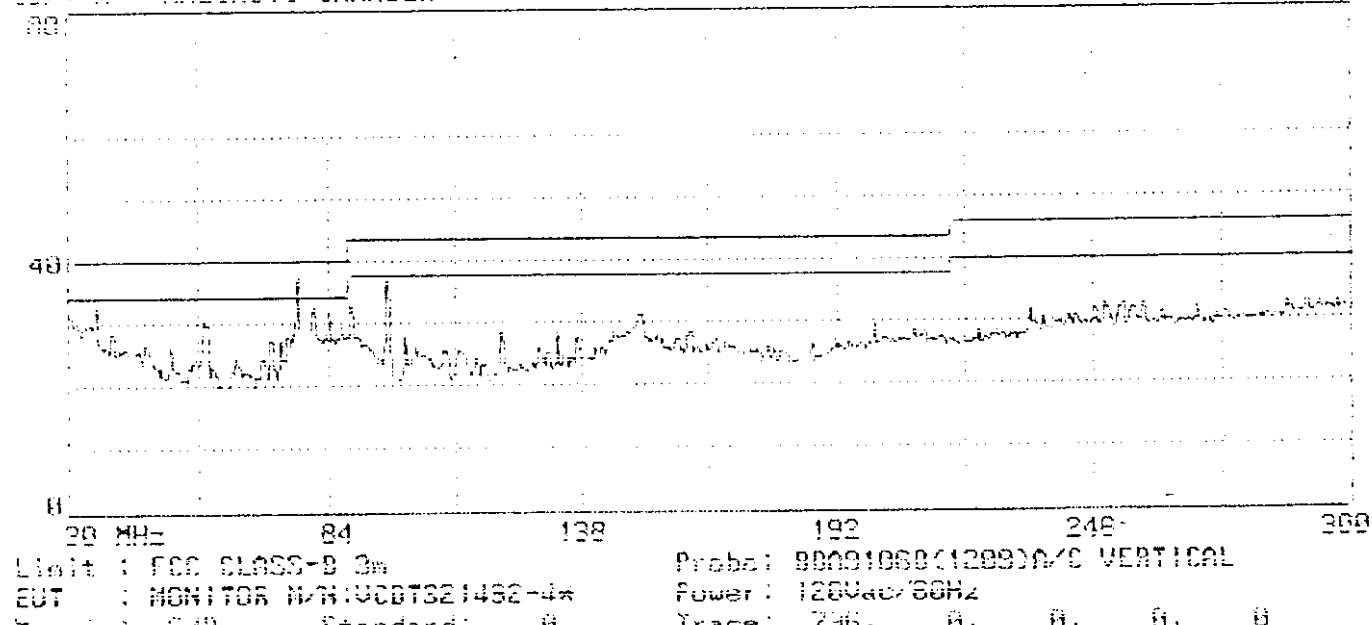

Page#: 749 SP File#: U1FWSUN1.EI Date: 02-03-1999 Time: 20:13:34
TAIWAN TOKIN EMC ENG. CORP.
43dBuV/m ANECHOIC CHAMBER
80
40
0
200 MHz 440 500 720 880 1000
Limit : FCC CLASS-B 3m
EUT : MONITOR M/N.UCDTS21452-4*
Margin: 6dB Standard: 0
Probe: UHALP 9108-A 0139 HORIZONTAL
Power: 120Vac/60Hz
Trace: 749, 0, 0, 0, 0
Memo : 115KHz(1600X1200:92Hz) 3.0m 0-SUB


Page#: 750 SP File#: U1FWSUN1.EI Date: 02-03-1999 Time: 20:15:33
TAIWAN TOKIN EMC ENG. CORP.
43dBuV/m ANECHOIC CHAMBER
80
40
0
200 MHz 440 500 720 880 1000
Limit : FCC CLASS-B 3m
EUT : MONITOR M/N.UCDTS21452-4*
Margin: 6dB Standard: 0
Probe: UHALP 9108-A 0139 VERTICAL
Power: 120Vac/60Hz
Trace: 750, 0, 0, 0, 0
Memo : 115KHz(1600X1200:92Hz) 3.0m 0-SUB



Limit : FCC CLASS-B 3m
EUT : MONITOR M/N:UCBTS21432-4*
Margin: 6dB Standard: 0
Meno : 115KHz(1600X1200:92Hz) 1.8m BNC

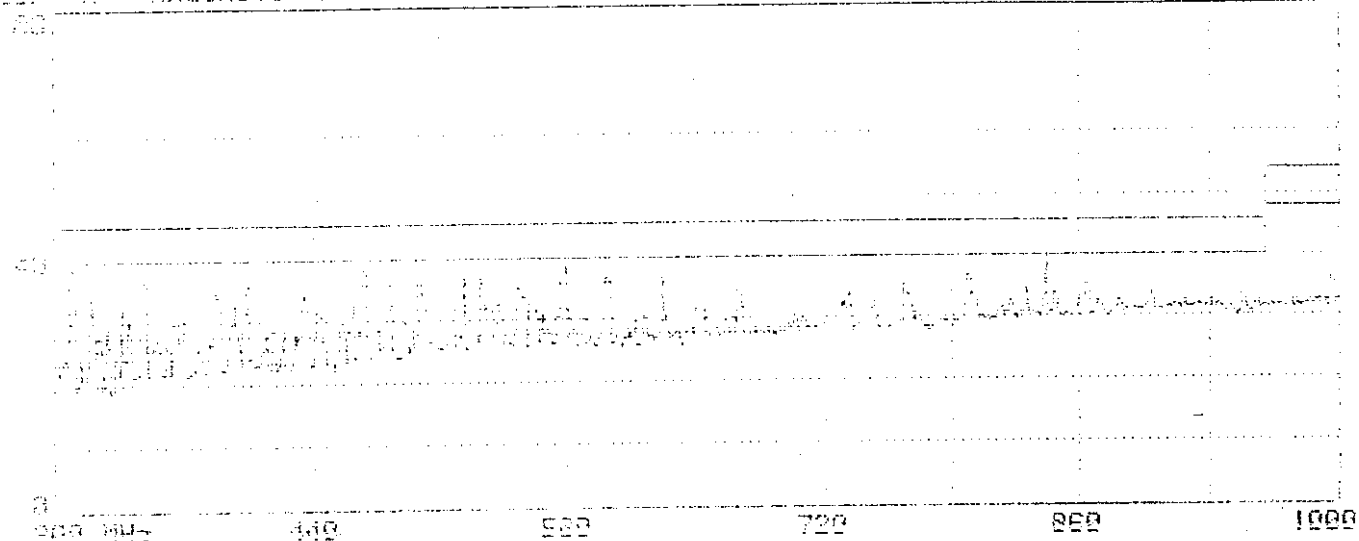
Probe: 8809106B(1209)0/C HORIZONTAL
Power : 120Vac/60Hz
Trace: 735, 0, 0, 0, 0



Limit : FCC CLASS-B 3m
EUT : MONITOR M/N:UCBTS21432-4*
Margin: 6dB Standard: 0
Meno : 115KHz(1600X1200:92Hz) 1.8m BNC

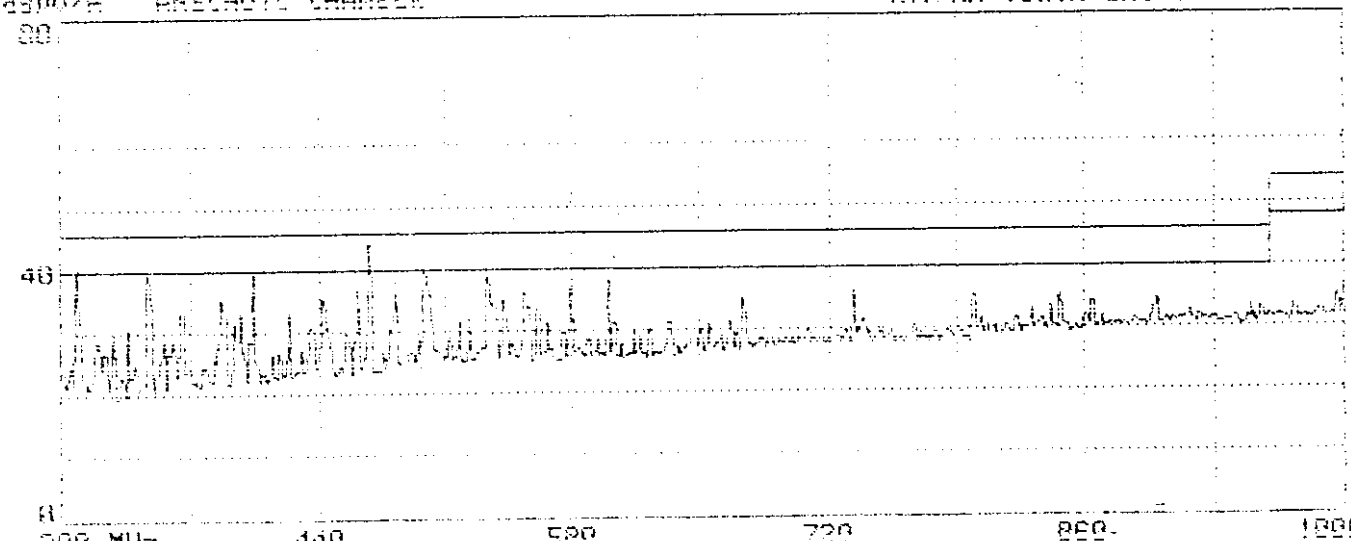
Probe: 8809106B(1209)0/C VERTICAL
Power : 120Vac/60Hz
Trace: 736, 0, 0, 0, 0

Page#: 737 SP File#: UTEUSANI.FI Date: 02-03-1999 Time: 19:02:33
dBµV/m ANECHOIC CHAMBER TAIWAN TOKIN EMC ENG. CORP.



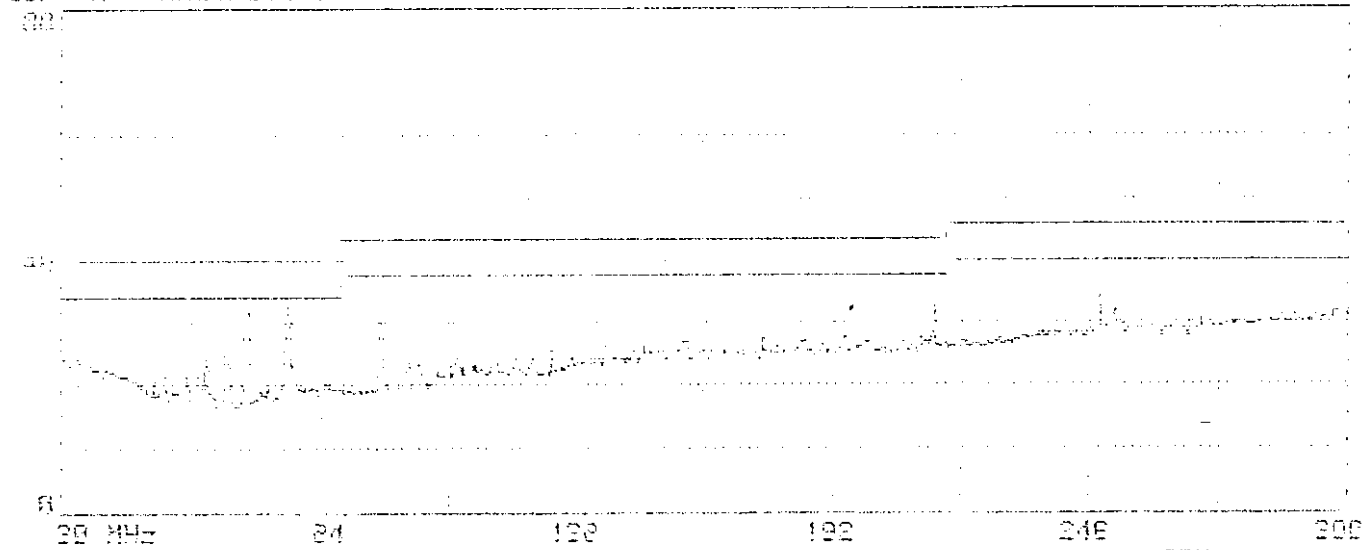
Limit : FCC CLASS-B 3m Probe: UHALP 9108-A 9139 HORIZONTAL
EUT : MONITOR M/N:UCDT32[4SE-d* Power: 120Vac/60Hz
Margin: 6dB Standard: 0 Trace: 737, 0, 0, 0, 0
Memo : 115KHz(1600X1200:92Hz) 1.8m BNC

Page#: 738 SP File#: UTEUSANI.FI Date: 02-03-1999 Time: 19:04:31
dBµV/m ANECHOIC CHAMBER TAIWAN TOKIN EMC ENG. CORP.



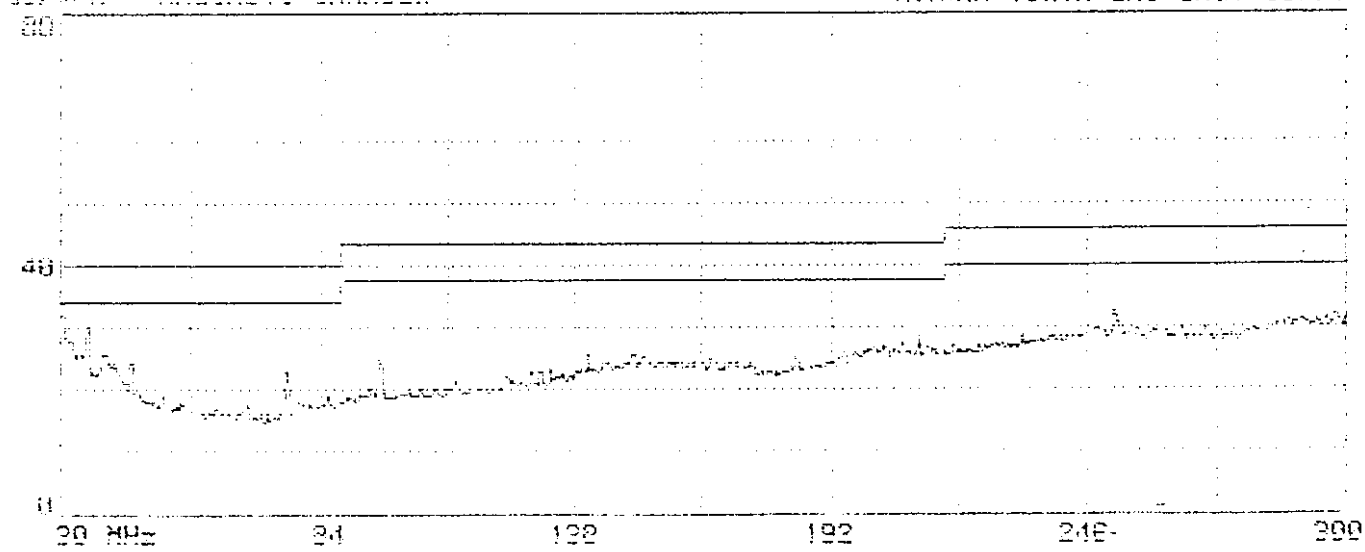
Limit : FCC CLASS-B 3m Probe: UHALP 9108-A 9139 VERTICAL
EUT : MONITOR M/N:UCDT32[4SE-d* Power: 120Vac/60Hz
Margin: 6dB Standard: 0 Trace: 738, 0, 0, 0, 0
Memo : 115KHz(1600X1200:92Hz) 1.8m BNC

Page#: 733 SP File#: V1FUSION1.EI Date: 02-11-1999 Time: 21:34:33
dBuV/m ANECHOIC CHAMBER TAIWAN TOKIN EMC ENG. CORP.

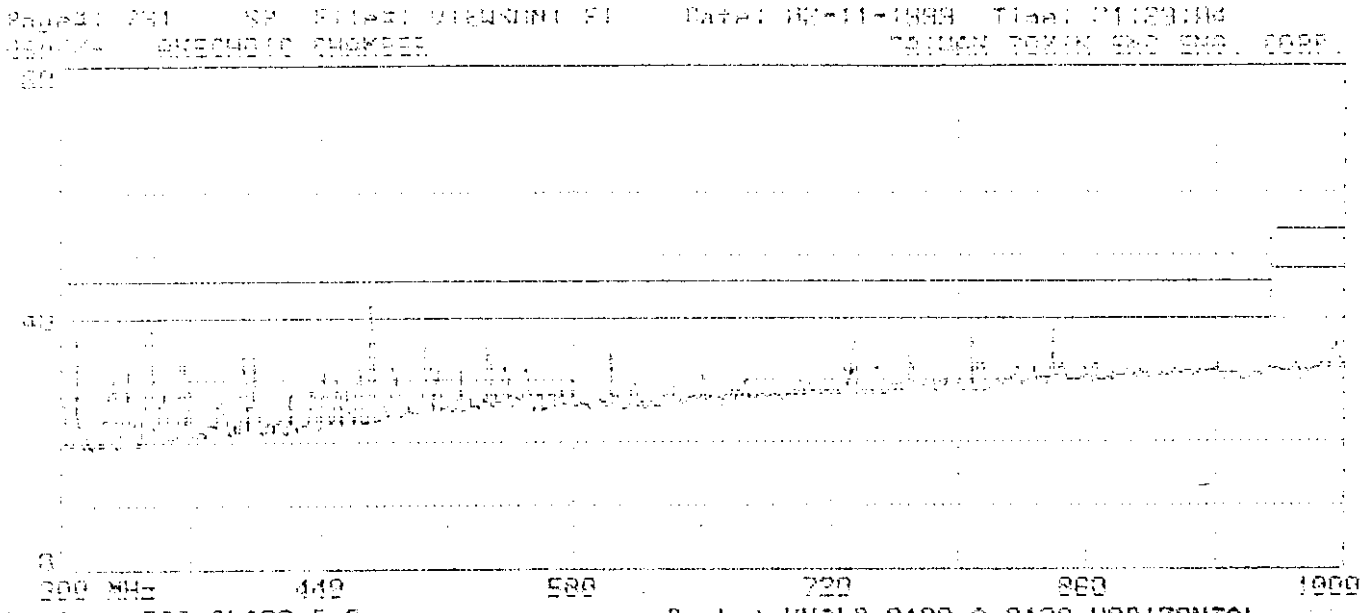


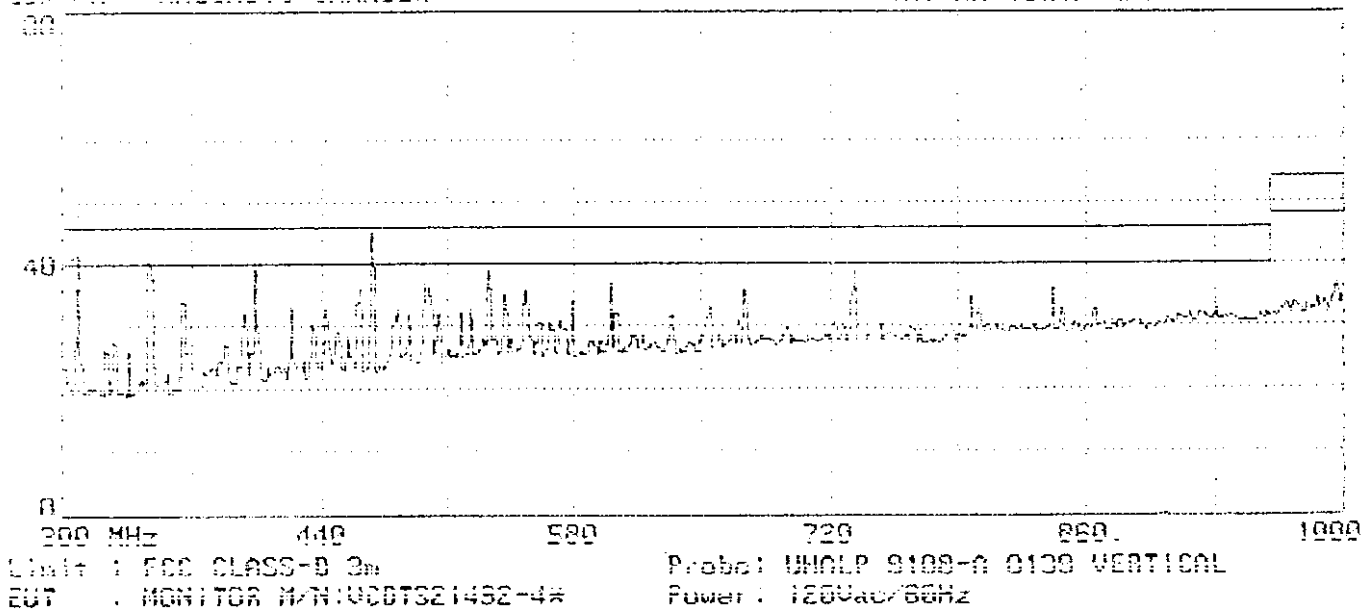
Limit : FCC CLASS-B 3m Probe: BBQ31880(1288)0/C HQ812ONTAL
EUT : MONITOR M/N.UCBT321452-4# Power: 120Vac/60Hz
Margin: 6dB -Standard: 0 Trace: 733, 0, 0, 0, 0
Memo : 105KHz(1800X1440:70Hz) 1.5m 0-SUB

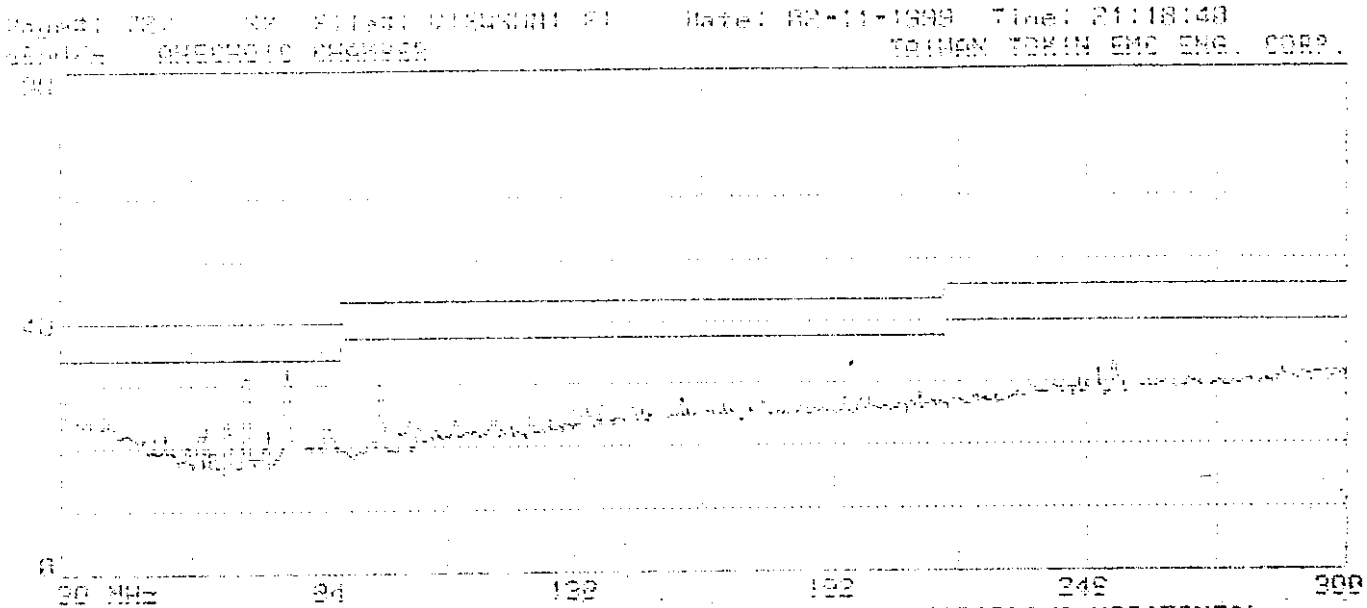
Page#: 734 SP File#: V1FUSION1.EI Date: 02-11-1999 Time: 21:36:44
dBuV/m ANECHOIC CHAMBER TAIWAN TOKIN EMC ENG. CORP.



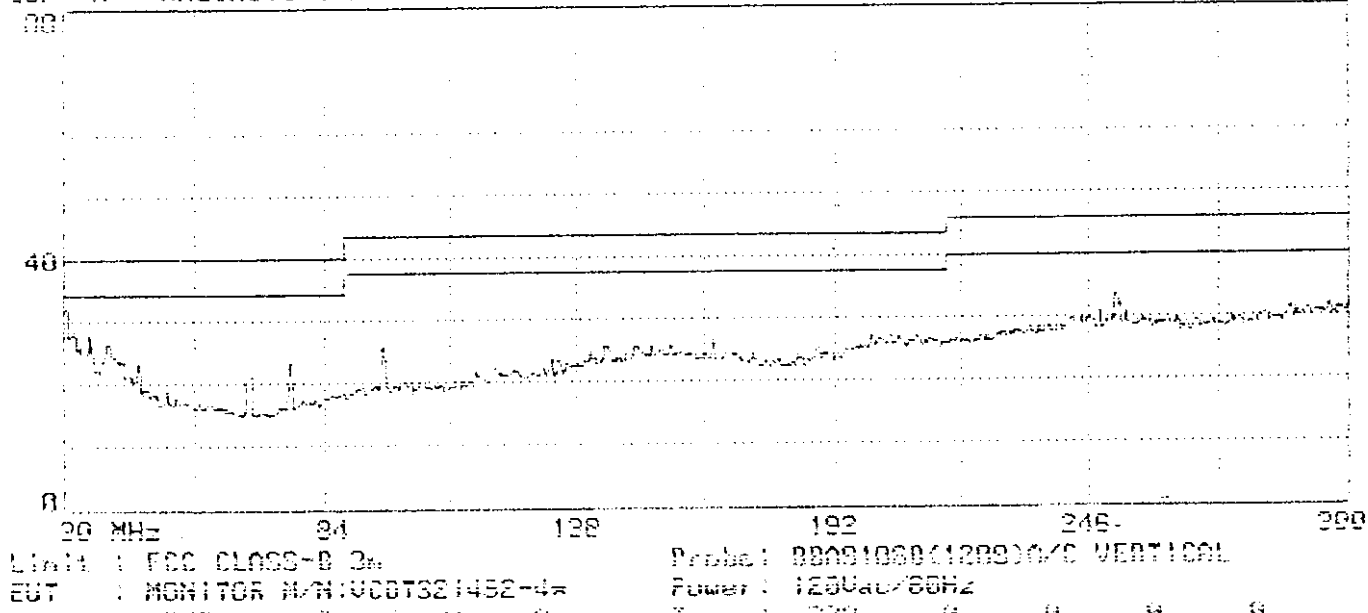
Limit : FCC CLASS-B 3m Probe: BBQ31880(1288)0/C UCBT1COL
EUT : MONITOR M/N:UCBT321452-4# Power: 120Vac/60Hz
Margin: 6dB Standard: 0 Trace: 734, 0, 0, 0, 0
Memo : 105KHz(1800X1440:70Hz) 1.5m 0-SUB


Page#: 731 SP File#: 01EWSHNI.EI Date: 02-11-1999 Time: 21:23:04
dBuV/m ANECHOIC CHAMBER TAIWAN TOKIN EMC ENG. CORP.
80
40
0
200 MHz 440 680 920 1200
Limit : FCC CLASS-B 3m Probe: UHALP 9108-A 0139 HORIZONTAL
EUT . MONITOR M/N:UCDTS21452-4# Power : 120Vac/60Hz
Margin: 6dB Standard: 0 Trace: 731, 0, 0, 0, 0
Memo : 105KHz(1800X1440:70Hz) 1.5m D-SUB


Page#: 732 SP File#: 01EWSHNI.EI Date: 02-11-1999 Time: 21:30:34
dBuV/m ANECHOIC CHAMBER TAIWAN TOKIN EMC ENG. CORP.
80
40
0
200 MHz 440 680 920 1200
Limit : FCC CLASS-B 3m Probe: UHALP 9108-A 0139 VERTICAL
EUT . MONITOR M/N:UCDTS21452-4# Power : 120Vac/60Hz
Margin: 6dB Standard: 0 Trace: 732, 0, 0, 0, 0
Memo : 105KHz(1800X1440:70Hz) 1.5m D-SUB

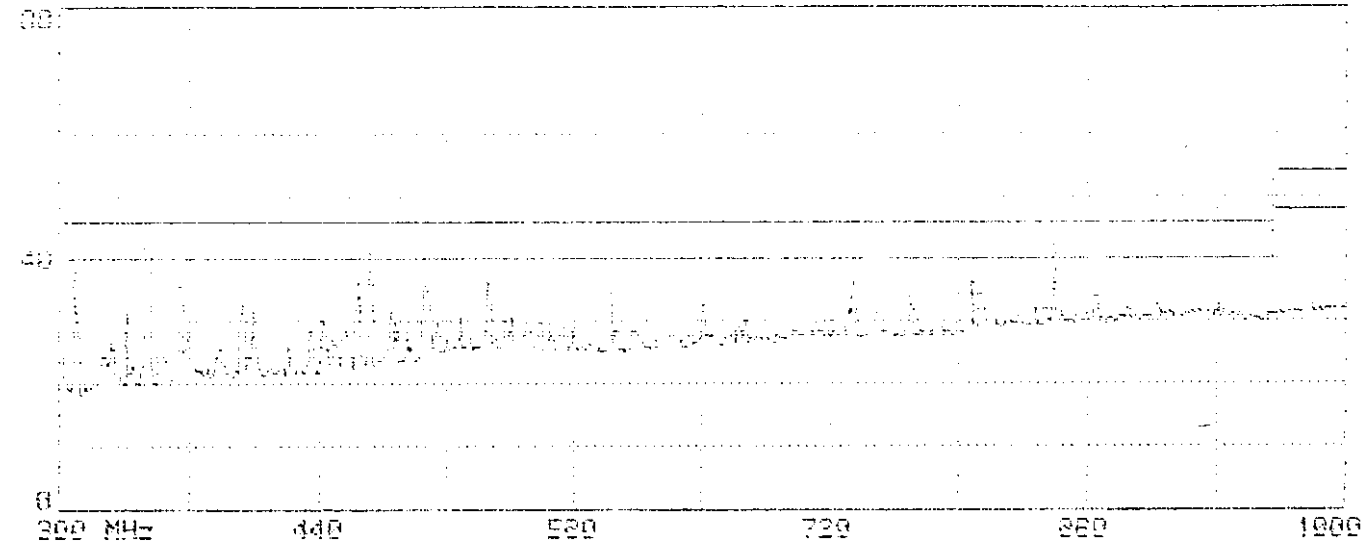


Limit : FCC CLASS-B 3m
EUT : MONITOR M/N:UCDT321452-4*
Margin: 6dB
Standard: B
Probe: BBA9108B(1288)H/C HORIZONTAL
Power : 120Vac/60Hz
Trace: 727, 0, 0, 0, 0
Memo : 105KHz(1800X1440:70Hz) 1.8m B-SUB



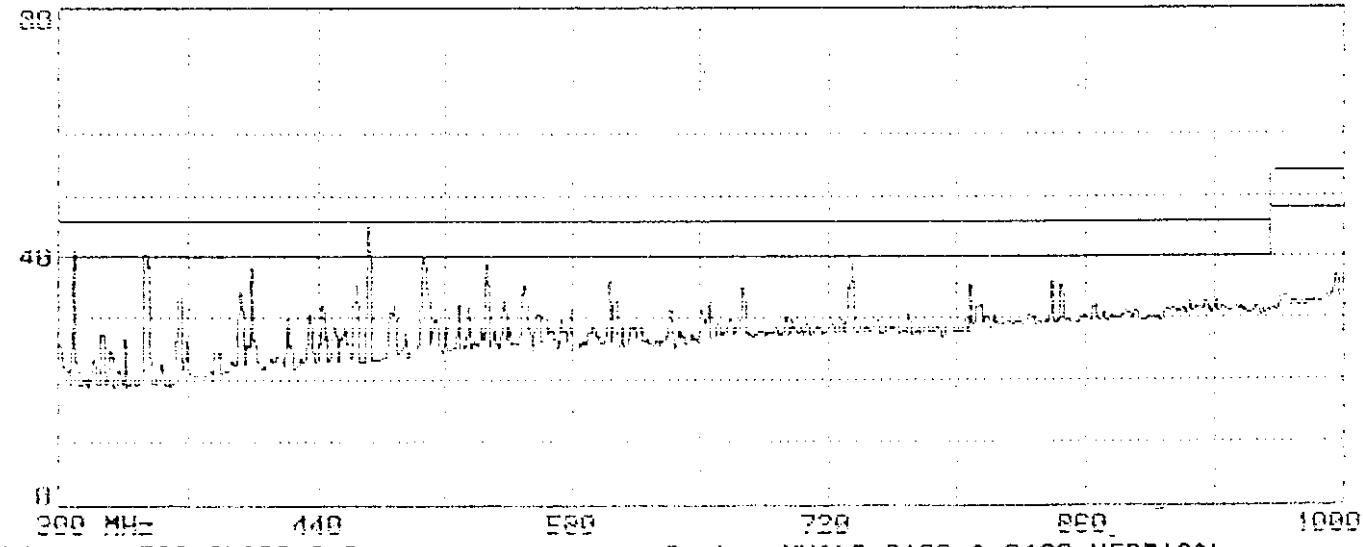
Limit : FCC CLASS-B 3m
EUT : MONITOR M/N:UCDT321452-4*
Margin: 6dB
Standard: B
Probe: BBA9108B(1288)H/C VERTICAL
Power : 120Vac/60Hz
Trace: 728, 0, 0, 0, 0
Memo : 105KHz(1800X1440:70Hz) 1.8m B-SUB

Page#: 729 SP File#: VIEWSONI.EI Date: 02-11-1999 Time: 21:24:04
dBuV/m ANECHOIC CHAMBER TAIWAN TOKIN EMC ENG. CORP.



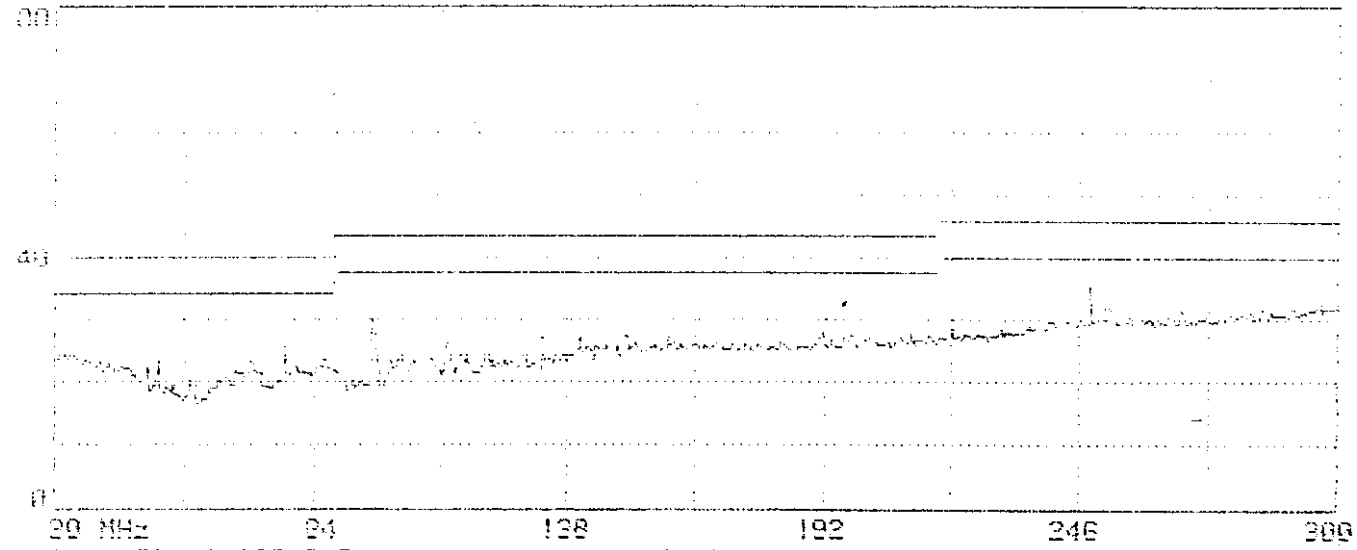
Limit : FCC CLASS-B 3m Probe: UHALP 9108-A 0139 HORIZONTAL
EUT : MONITOR M/N:VCDTS21452-4* Power : 120Vac/60Hz
Margin: 6dB Standard: B Trace: 729, 0, 0, 0, 0
Memo : 105KHz(1800X1440:70Hz) 1.8m D-SUB

Page#: 730 SP File#: VIEWSONI.EI Date: 02-11-1999 Time: 21:25:18
dBuV/m ANECHOIC CHAMBER TAIWAN TOKIN EMC ENG. CORP.



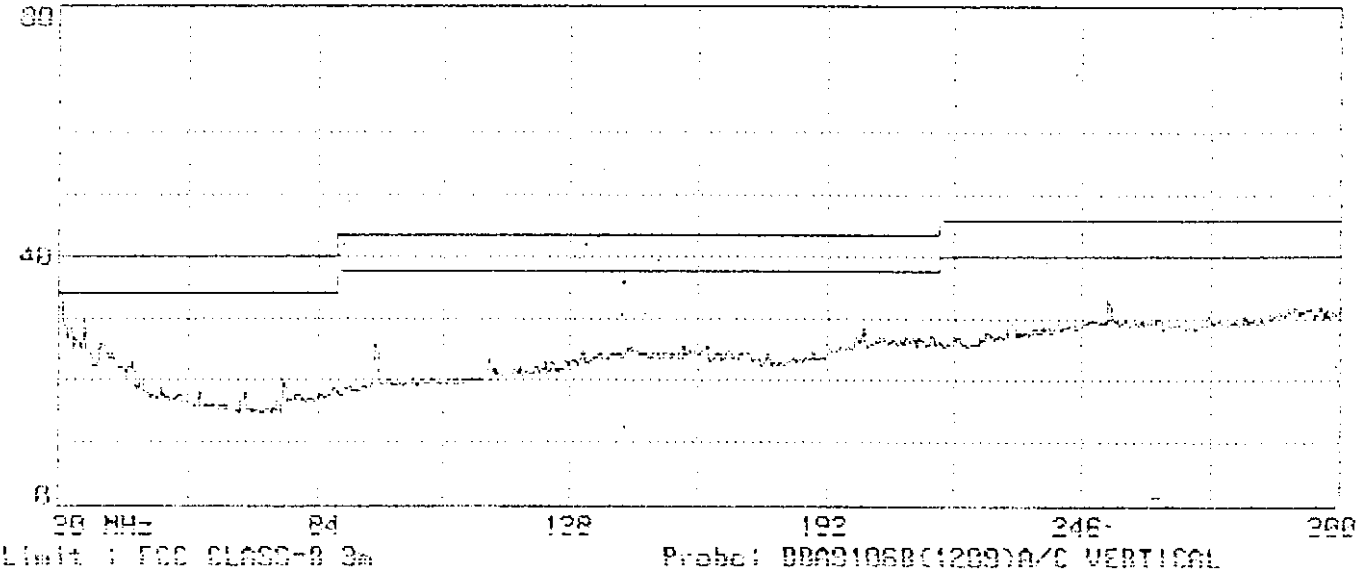
Limit : FCC CLASS-B 3m Probe: UHALP 9108-A 0139 VERTICAL
EUT : MONITOR M/N:VCDTS21452-4* Power : 120Vac/60Hz
Margin: 6dB Standard: B Trace: 730, 0, 0, 0, 0
Memo : 105KHz(1800X1440:70Hz) 1.8m D-SUB

Page#: 725 SP File#: VIEWSONI.EI Date: 02-11-1999 Time: 21:12:53
dBuV/m ANECHOIC CHAMBER TAIWAN TOKIN EMC ENG. CORP.

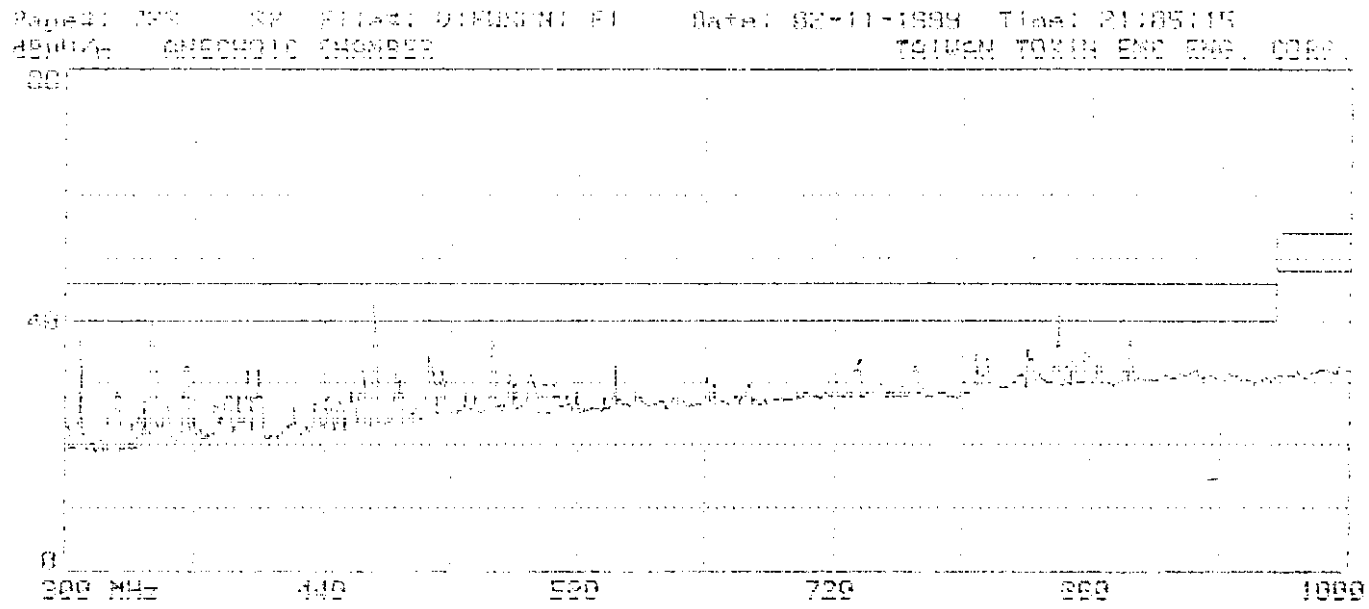


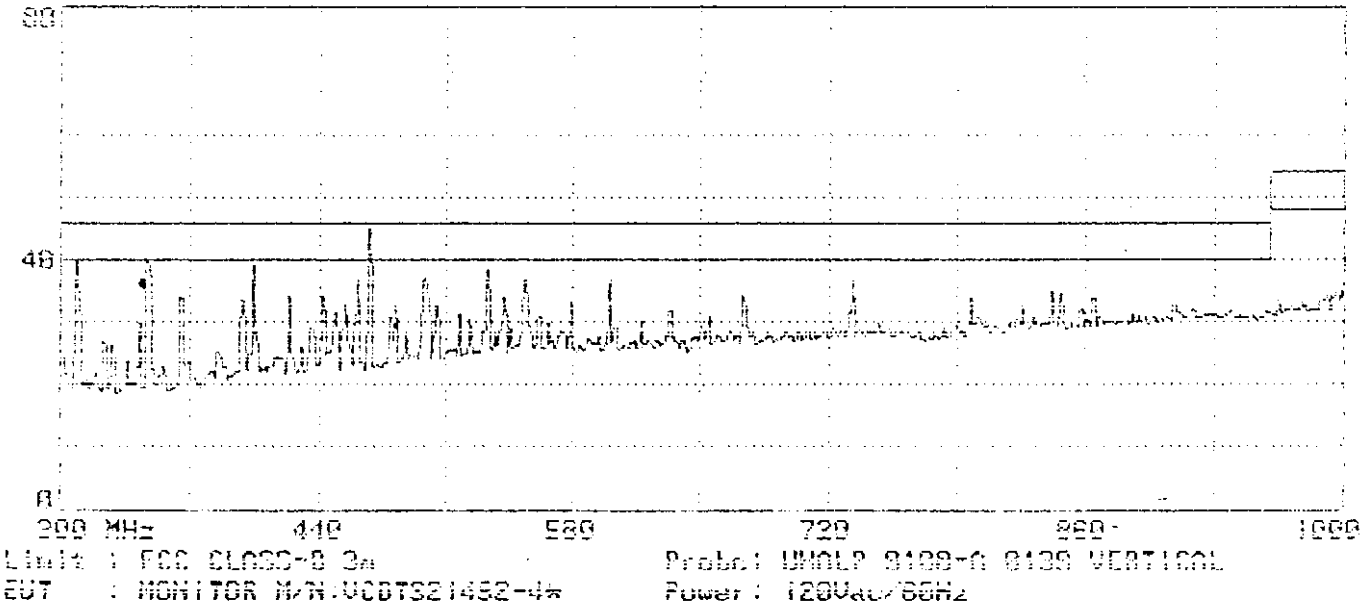
Limit : FCC CLASS-B 3m Probe: BBA9108B(1209)A/C HORIZONTAL
EUT : MONITOR M/N:VCBTS21432-4* Power: 120VAC/60Hz
Margin: 6dB Standard: 0 Trace: 725, 0, 0, 0, 0
Memo : 105KHz(1800X1440:70Hz) 3.0m D-SUB

Page#: 726 SP File#: VIEWSONI.EI Date: 02-11-1999 Time: 21:14:18
dBuV/m ANECHOIC CHAMBER TAIWAN TOKIN EMC ENG. CORP.

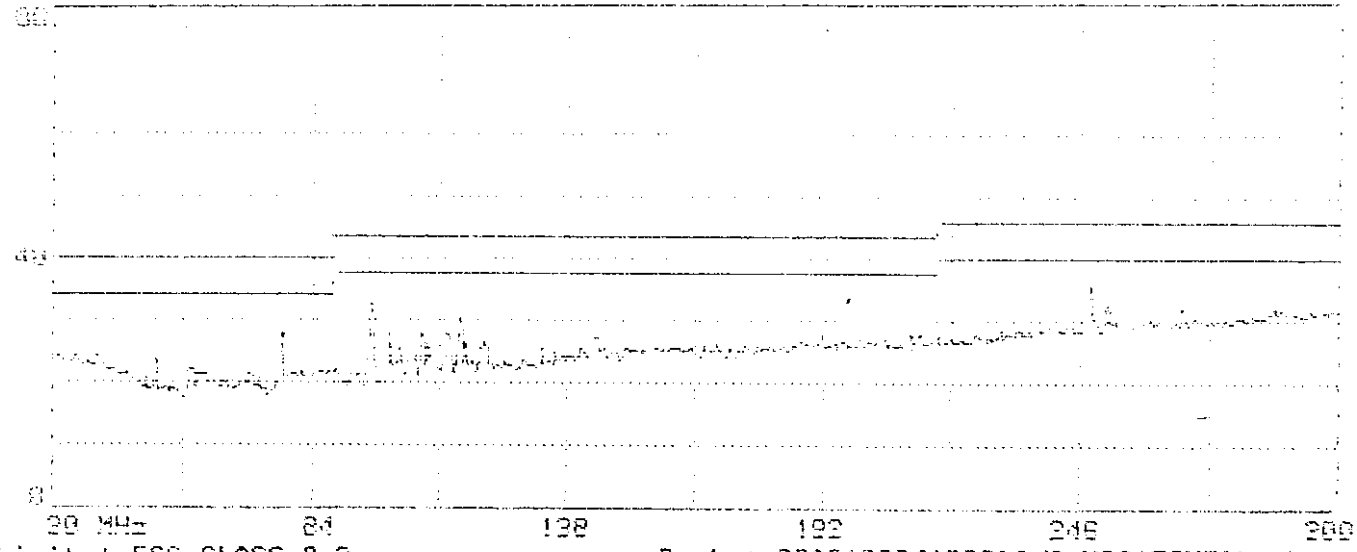


Limit : FCC CLASS-B 3m Probe: BBA9108B(1209)A/C VERTICAL
EUT : MONITOR M/N:VCBTS21432-4* Power: 120VAC/60Hz
Margin: 6dB Standard: 0 Trace: 726, 0, 0, 0, 0
Memo : 105KHz(1800X1440:70Hz) 3.0m D-SUB


Page#: 723 SP File#: V1EWSDNT.EI Date: 02-11-1999 Time: 21:05:15
40dBuV/m ANECHOIC CHAMBER TAIWAN TOKIN EMC ENG. CORP.
80
40
0
200 MHz 440 520 720 880 1000
Limit : FCC CLASS-B 3m Probe: UHALP 9108-A 0139 HORIZONTAL
EUT : MONITOR M/N:VCDTS21452-4* Power : 120VAC/60Hz
Margin: 6dB Standard: 0 Trace: 723, 0, 0, 0, 0
Memo : 105KHz(1600X1440:70Hz) 3.0m D-SUB

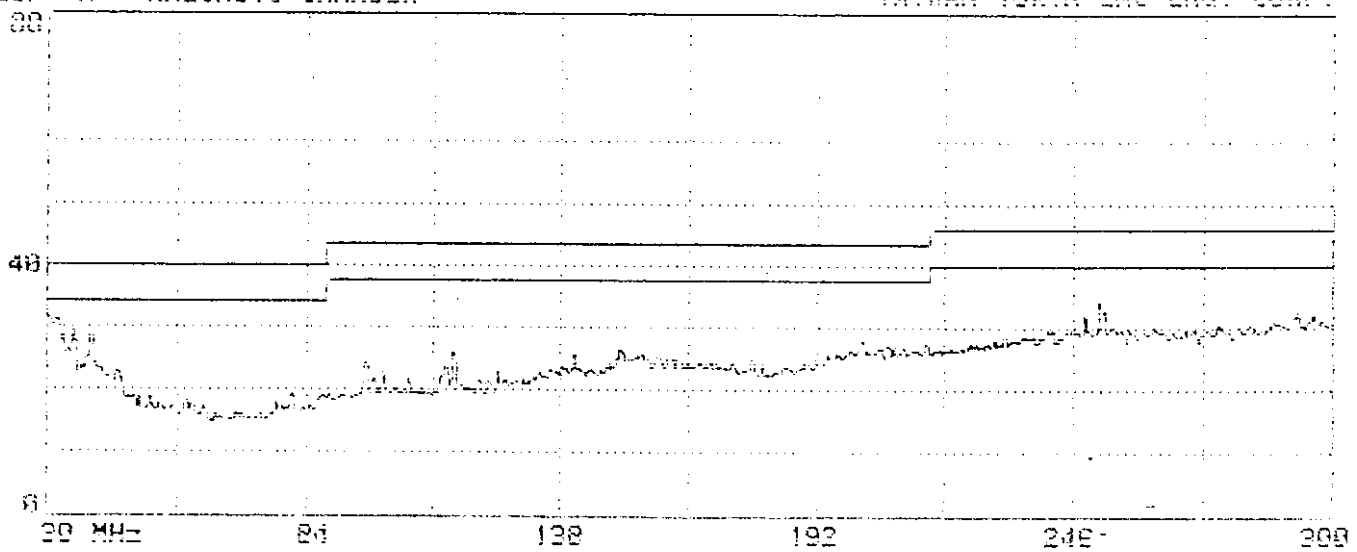

Page#: 724 SP File#: V1EWSDNT.EI Date: 02-11-1999 Time: 21:06:21
40dBuV/m ANECHOIC CHAMBER TAIWAN TOKIN EMC ENG. CORP.
80
40
0
200 MHz 440 520 720 880 1000
Limit : FCC CLASS-B 3m Probe: UHALP 9108-A 0139 VERTICAL
EUT : MONITOR M/N:VCDTS21452-4* Power : 120VAC/60Hz
Margin: 6dB Standard: 0 Trace: 724, 0, 0, 0, 0
Memo : 105KHz(1600X1440:70Hz) 3.0m D-SUB

Page#: 719 SP File#: VIEWSONI.EI Date: 02-11-1999 Time: 20:54:21
dBuV/m ANECHOIC CHAMBER TAIWAN TOKIN EMC ENG. CORP.



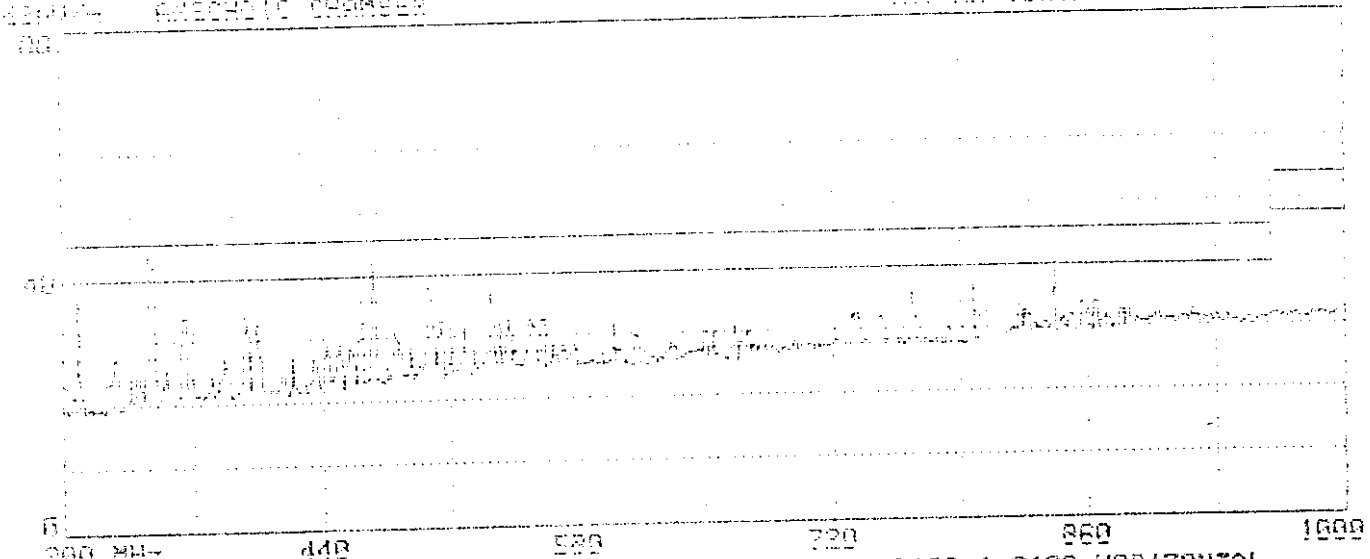
Limit : FCC CLASS-B 3m Probe: BBHA9168(1209)A/C HORIZONTAL
EUT : MONITOR M/N:VCDTS21452-4* Power : 120Vac/60Hz
Margin: 6dB Standard: 0 Trace: 719, 0, 0, 0, 0
Memo : 105KHz(1800X1440:70Hz) 1.8m BNC

Page#: 720 SP File#: VIEWSONI.EI Date: 02-11-1999 Time: 20:56:20
dBuV/m ANECHOIC CHAMBER TAIWAN TOKIN EMC ENG. CORP.



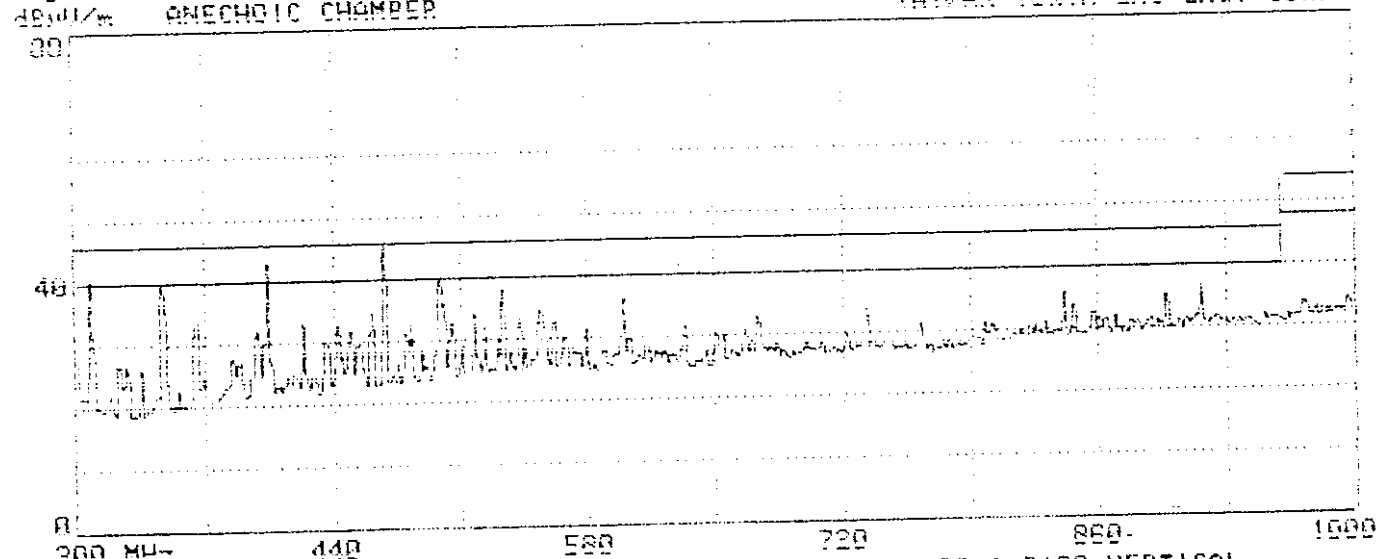
Limit : FCC CLASS-B 3m Probe: BBHA9168(1209)A/C VERTICAL
EUT : MONITOR M/N:VCDTS21452-4* Power : 120Vac/60Hz
Margin: 6dB Standard: 0 Trace: 720, 0, 0, 0, 0
Memo : 105KHz(1800X1440:70Hz) 1.8m BNC

Page#: 721 SP File#: UIEWSONI.EI Date: 02-11-1999 Time: 20:58:04
40dBuV/m ANECHOIC CHAMBER TAIWAN TOKIN EMC ENG. CORP.



Limit : FCC CLASS-B 3m Probe: UHALP 9108-A 0139 HORIZONTAL
EUT : MONITOR M/N:UCDTS21432-4* Power : 120Vac/60Hz
Margin: 6dB Standard: 0 Trace: 721, 0, 0, 0, 0
Memo : 105KHz(1800X1440:70Hz) 1.8m BNC

Page#: 722 SP File#: UIEWSONI.EI Date: 02-11-1999 Time: 20:59:22
40dBuV/m ANECHOIC CHAMBER TAIWAN TOKIN EMC ENG. CORP.



Limit : FCC CLASS-B 3m Probe: UHALP 9108-A 0139 VERTICAL
EUT : MONITOR M/N:UCDTS21432-4* Power : 120Vac/60Hz
Margin: 6dB Standard: 0 Trace: 722, 0, 0, 0, 0
Memo : 105KHz(1800X1440:70Hz) 1.8m BNC