FACTORY CONTROL NO. : FVD-98-F012
FCC ID. : ACJ93312136

APPLICATION FOR CERTIFICATION
On Behalf of
Matsushita Electric Industrial Co., Ltd.
17" Color CRT Display Monitor

Model : (1)TX-D7S36NM (2)TX-D7S36
(3)TX-D7S36***** (4)VCDTS21406-2*

FCC ID : ACJ93312136

Prepared for : Matsushita Electric Industrial Co., Ltd.
6-4-1, Tsujidomotomachi, Fujisawa,
Kanagawa, 251, Japan

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

受付
'98.04.10
伊藤

File Number : ATM-G98220
Report Number : TTEMC-F98046
Date of Test : Apr. 01 / 02, 1998
Date of Report : Apr. 08, 1998

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TEST REPORT CERTIFICATION

Applicant	:	Matsushita Electric Industrial Co., Ltd.
Manufacturer	:	Matsushita Electric Industrial Co., Ltd.
FCC ID	:	ACJ93312136
EUT Description	:	17" Color CRT Display Monitor
		(A) MODEL NO. : (1)TX-D7S36NM (2)TX-D7S36
		(3)TX-D7S36***** (4)VCDTS21406-2*
		(B) SERIAL NO. : FX8210010
		(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 compliant with the FCC official limits. TAIWAN TOKIN EMC ENG. CORP. recommend that this data was submitted for FCC certification purposes if a 6dB margin below FCC limits was obtained. 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 : Apr. 01 / 02, 1998

Prepared by : _____
(SHELENE HOU)

Test Engineer : _____
(ALLEN WANG)

Approve & Authorized Signer : _____
(JACKIE DENG)

1. GENERAL INFORMATION

1.1. Description of Device (EUT)

Description	:	17" Color CRT Display Monitor
Model Number	:	(1)TX-D7S36NM (2)TX-D7S36 (3)TX-D7S36***** (4)VCDTS21406-2* The model TX-D7S36NM is No Brand; the TX-D7S36 is for Panasonic Brand; the TX-D7S36***** means the future OEM brand model and "*" may be followed by some suffix numbers, alphabets, blanks and hyphens. Differences between TX-D7S36NM and TX-D7S36***** are only cosmetic change and power supply cord, the VCDTS21406-2* is for ViewSonic brand, and the "*" means one suffixe such as 1 to 9 or alphabet A to Z will be added..
Serial Number	:	FX8210010
Applicant	:	Matsushita Electric Industrial Co., Ltd. 6-4-1, Tsujidomotomachi, Fujisai, Kanagai, 251, Japan
Manufacturer	:	Matsushita Electric Industrial Co., Ltd. 6-4-1, Tsujidomotomachi, Fujisai, Kanagai, 251, Japan
CRT	:	Panasonic, M/N M41LJV000X 7D G
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
Power Cord	:	Unshielded, Detachable, 1.8m
Date of Test	:	Apr. 01 / 02 , 1998

1.2. Tested System Details

1.2.1. PERSONAL COMPUTER

Model Number	:	Vectra VL5/166 Series 5DT
Serial Number	:	SG71501857
FCC ID	:	By DoC
Manufacturer	:	Hewlett Packard
VGA Card	:	Dataexpert Corp M/N DSV3365E, FCC ID LUT-DSV3365
Power Cord	:	Nonshielded, Detachable, 1.8m

1.2.2. KEYBOARD

Model Number	:	SK-1000REW
Serial Number	:	M970440089
FCC ID	:	GYUR36SK
Manufacturer	:	Hewlett Packard
Data Cable	:	Shielded, Undetachable, 1.9m

1.2.3. PRINTER

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

1.2.4. MODEM # 1

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

1.2.5. MODEM # 2

Model Number	:	1414
Serial Number	:	970024518
FCC ID	:	IFAXDM1414
Manufacturer	:	Aceex
Data Cable	:	Shielded, Detachable, 1.2m
Power Adapter	:	Amigo, Model AM-91000A Nonshielded, Undetachable, 1.8m

1.2.6. MOUSE

Model Number	:	C3751B
Serial Number	:	LZA71180116
FCC ID	:	DZL211029
Manufacturer	:	Hewlett Packard
Data Cable	:	Shielded, Undetachable, 1.8m

1.2.7. USB GAMEPAD # 1

Model Number	:	INT-002
Serial Number	:	N/A
FCC ID	:	CWTEAK032
Manufacturer	:	Alps
Data Cable	:	Shielded, Undetachable, 1.6m Bonded a ferrite core

1.2.8. USB GAMEPAD # 2

Model Number	:	INT-003
Serial Number	:	N/A
FCC ID	:	CWTEAK032
Manufacturer	:	Alps
Data Cable	:	Shielded, Undetachable, 2.3m Bonded a ferrite core

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

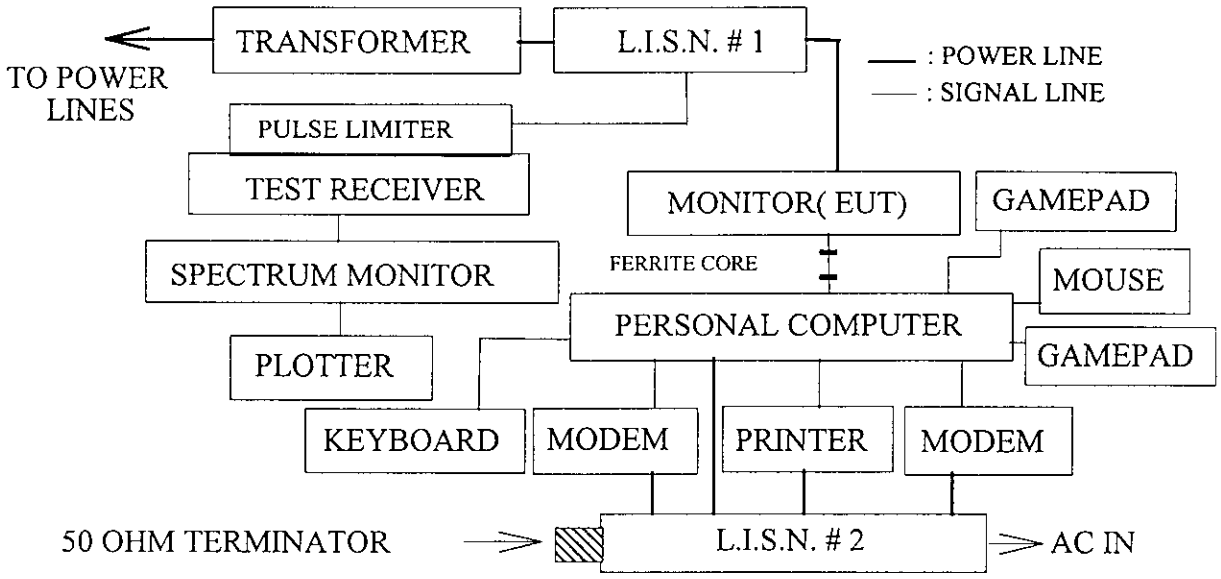
2. POWERLINE CONDUCTED TEST

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	893044/015	Aug.01, 97'	1 Year
2.	L.I.S.N. # 1	Kyoritsu	KMW-407	8-855-9	May.01, 97'	1 Year
3.	L.I.S.N. # 2	Kyoritsu	KMW-407	8-881-13	May.01, 97'	1 Year

2.2. Block Diagram of Test Setup



2.3. Conducted Powerline Emission Limit (CLASS B)

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

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

2.4. EUT Configuration on Measurement

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

2.4.1. 17" Color CRT Display Monitor (EUT)

Model Number	:	(1)TX-D7S36NM (2)TX-D7S36 (3)TX-D7S36***** (4)VCDTS21406-2*
Serial Number	:	FX8210010
Manufacturer	:	Matsushita Electric Industrial Co., Ltd.
CRT	:	Panasonic, M/N M41LJV000X 7D G
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
Power Cord	:	Unshielded, Detachable, 1.8m

2.4.2. Support Equipments : As in 1.2 Test System Details

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 monitor (EUT) and the screen displayed and full with "H" pattern.

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

2.6. Test Procedure

The EUT was connected to the power mains through a line impedance stabilization network (L.I.S.N.# 1). 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 field strength meter (R & S Test Receiver ESH3) was set at 10KHz.

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

Two kinds of horizontal working frequency with three kinds of data cables were investigated during pre-scanning and reported the worst test mode (64KHz 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 :

Two kinds of display frequency :

	VGA480 (Hf : 31.5KHz)		1280 x 1024 (Hf : 64KHz)	
(a) Dot Clock Frequency	25.17	MHz	108	MHz
(b) Vertical Frequency	60	Hz	60	Hz
(c) Horizontal Frequency	31.5	KHz	64	KHz

Three 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

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.

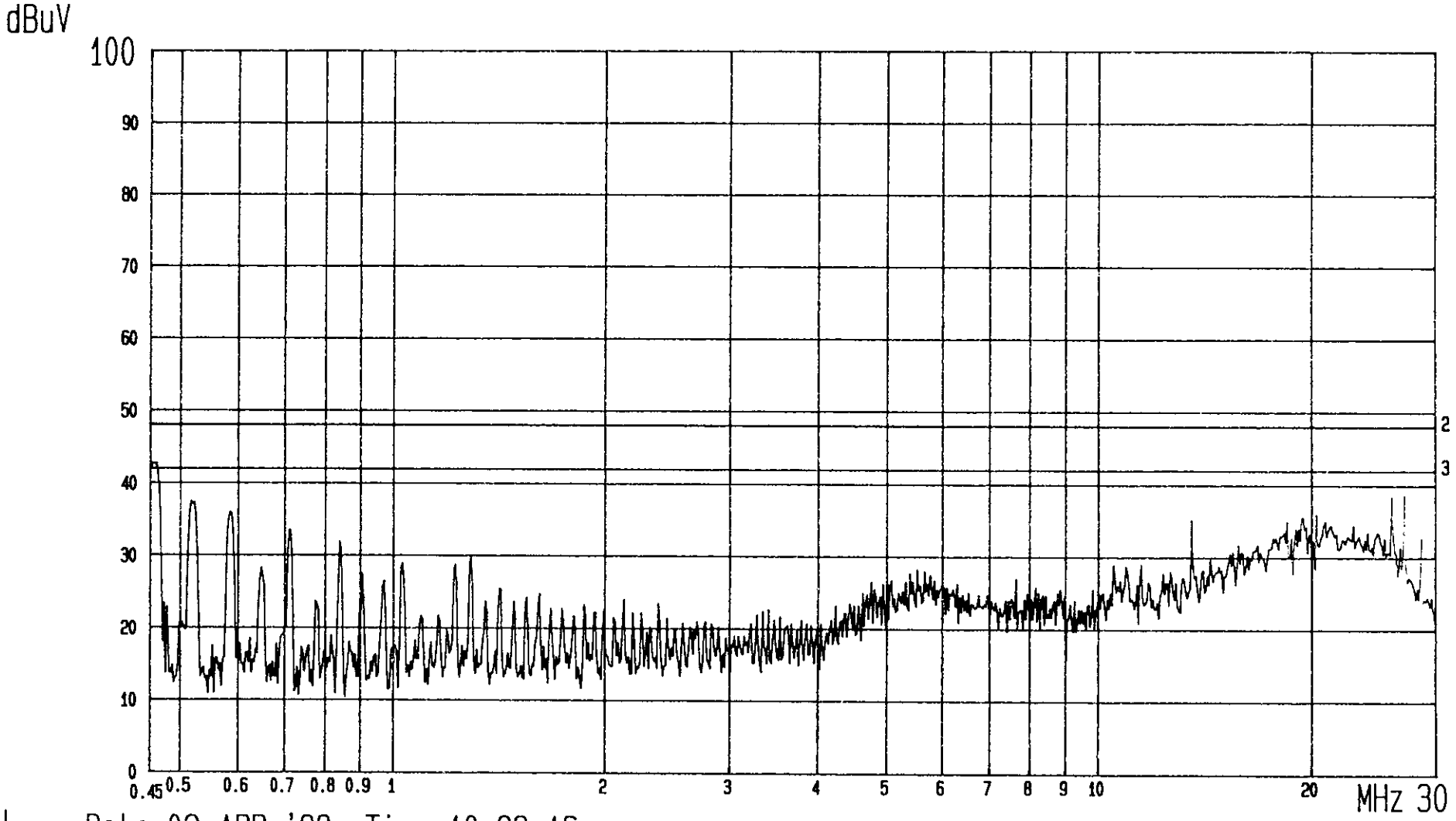
Date of Test : Apr. 02, 1998 Temperature : 20 ℃

EUT : 17" Color CRT Display Monitor Humidity : 65 %

Test Mode : 64KHz/1280*1024 With 3m D-Sub Data Cable

Frequency	Factor	Measurement (dBuV)		Reading (dBuV)		Limits (dBuV)	Margin (dBuV)	
(MHz)	dB	VA	VB	VA	VB		VA	VB
0.4500	**0.2**	**40.5**	39.8	**40.7**	40.0	**48.0**	**7.3**	8.0
0.5131	0.2	35.8	*	36.0	*	48.0	12.0	*
0.5773	0.2	*	33.2	*	33.4	48.0	*	14.6
0.7056	0.2	29.8	30.4	30.0	30.4	48.0	18.0	17.6
1.2830	0.2	26.8	25.6	27.0	25.8	48.0	21.0	22.2
13.5369	0.6	33.6	33.2	34.2	33.8	48.0	13.8	14.2
27.0740	1.0	39.1	39.1	40.1	40.1	48.0	7.9	7.9

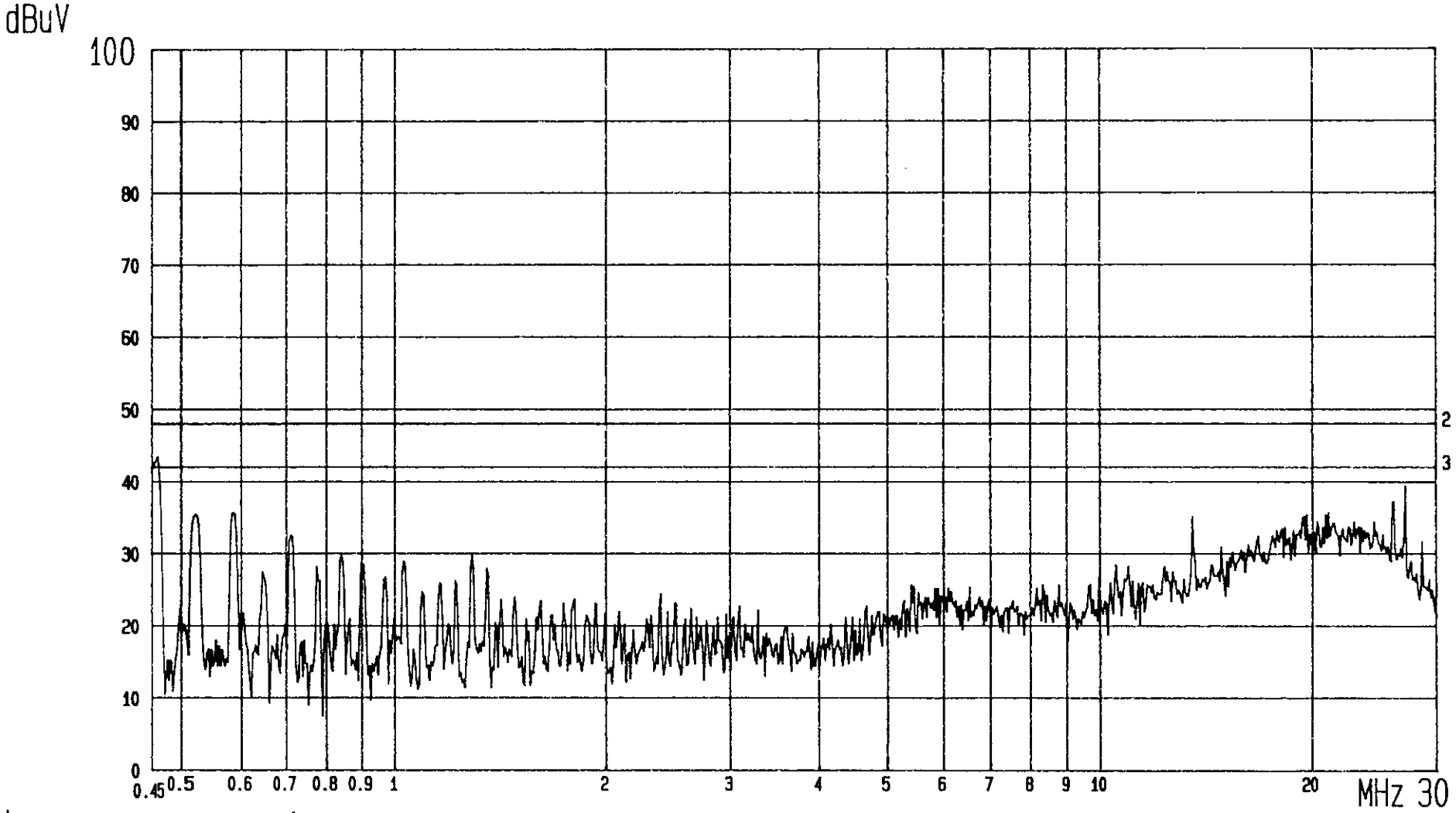
Remark :
1. All reading were Quasi-Peak values.
2. Factor = Insertion Loss + Cable Loss
3. The worst emission was detected at 0.4500MHz with corrected signal level of 40.7dBuV (limit was 48dBuV) when the VA side of the EUT was connected to L.I.S.N.



|--- Date 02.APR.'98 Time 10:29:16

MATSUSHITA EUT: MONITOR M/N: TX-D7S36NM; VCDTS21406-2* PAGE: 008.

LINE: VA. MEMO: 64KHz (1280X1024; 60Hz); 3.0m D-SUB (PEAK VALUE) TTEMC.



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MATSUSHITA EUT: MONITOR M/N: TX-D7S36NM; VCDTS21406-2* PAGE: 007.

LINE: VB. MEMO: 64KHz (1280X1024; 60Hz); 3.0m D-SUB (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 :

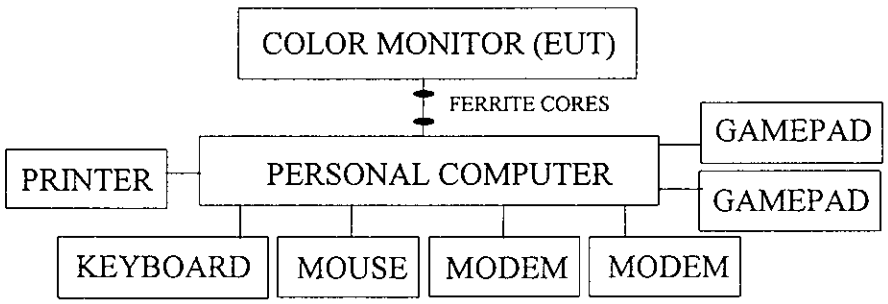
Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum Analyzer	HP	8593A	3212A01727	Aug.02, 97'	1 Year
2.	Pre-Amplifier	HP	8447D	2944A06305	Jun.07, 97'	1 Year
3.	Broadband Antenna	Schwarzbeck	BBA 9106	A3L	Dec.24, 97'	1 Year
4.	Broadband Antenna	Schwarzbeck	UHALP 9107	A3H	Dec.24, 97'	1 Year

3.1.2. For No. 2 Open Site :

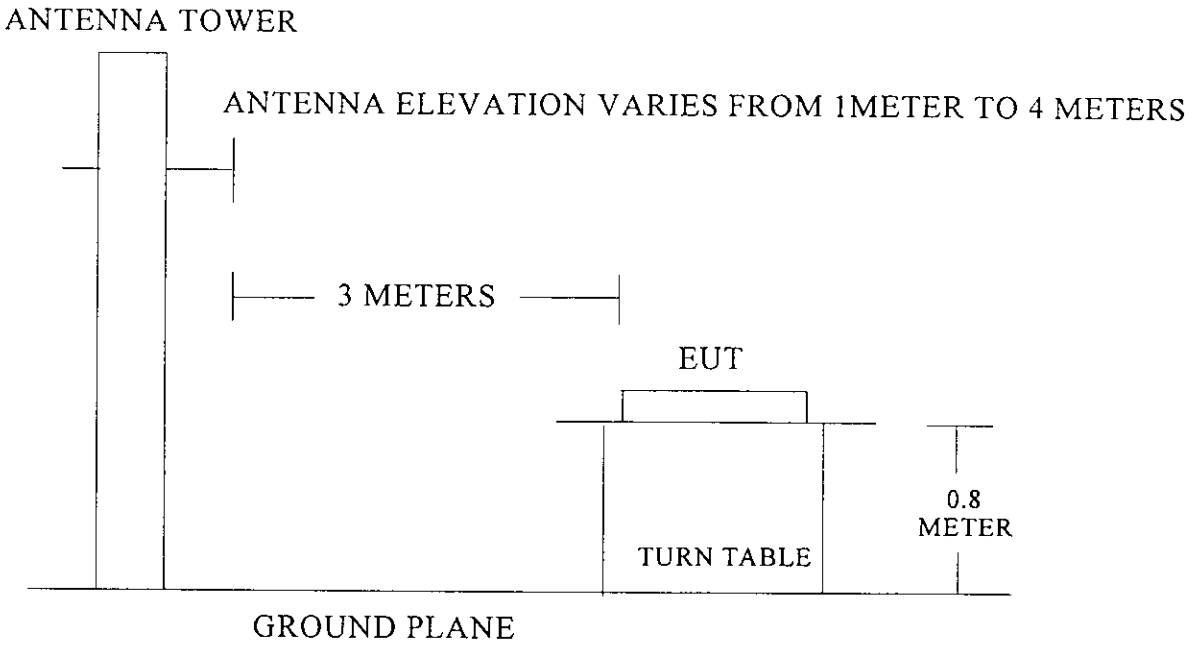
Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Test Receiver	Rohde&Schwarz	ESVP	893202/001	Aug.04, 97'	1 Year
2.	Broadband Antenna	Chase	VBA6106A	1240	Jan.14, 98'	1 Year
3.	Broadband Antenna	Schwarzbeck	UHALP 9108-A	0139	Jan.14, 98'	1 Year

3.2. Block Diagram of Test Setup

3.2.1. Block Diagram of connection between EUT and simulators



3.2.2. Open Field Test Site 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 Configuration on Measurement

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

3.5. Operating Condition of EUT

Same as conducted measurement which was listed in 2.5.

3.6. Test Procedure

The EUT and its simulators were placed on a turn table which was 0.8 meter above ground. The turn table 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 setting on the field strength meter (R&S TEST RECEIVER ESVP) was 120KHz.

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

Two kinds of horizontal working frequency with three 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 (64KHz with 3m D-Sub data cable) at No. 2 Open Field Test site and all the test results are listed in section 3.7.

Two kinds of display frequency :

	VGA480 (Hf : 31.5KHz)		1280 x 1024 (Hf : 64KHz)	
(a) Dot Clock Frequency	25.17	MHz	108	MHz
(b) Vertical Frequency	60	Hz	60	Hz
(c) Horizontal Frequency	31.5	KHz	64	KHz

Three 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

3.7. Radiated Emission Noise 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 : Apr. 01, 1998 Temperature : 28 ℃

EUT : 17" Color CRT Display Monitor Humidity : 55 %

Test Mode : 64KHz/1280*1024, 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
	33.849	23.13	1.63	1.90	26.66	40.00	13.34
	40.621	19.91	1.83	- 2.30	19.44	40.00	20.56
	81.223	14.40	2.48	- 0.20	16.68	40.00	23.32
	108.302	18.33	2.87	5.80	27.00	43.50	16.50
	121.829	19.69	3.03	6.90	29.62	43.50	13.88
	135.360	20.61	3.26	6.70	30.57	43.50	12.93
	175.972	21.69	3.78	- 0.40	25.07	43.50	18.43
	182.739	21.89	3.84	1.80	27.53	43.50	15.97
	189.510	21.87	3.92	0.70	26.49	43.50	17.01
	203.048	22.27	4.08	0.20	26.55	43.50	16.95
	257.205	23.80	4.67	- 3.60	24.87	46.00	21.13
	291.032	25.57	4.98	1.00	31.55	46.00	14.45
*	311.358	13.47	5.23	19.50	38.20	46.00	7.80
	324.895	13.76	5.42	16.50	35.68	46.00	10.32
	351.968	14.79	5.67	4.10	24.56	46.00	21.44
	460.252	17.32	6.74	- 1.50	22.56	46.00	23.44
	548.236	18.87	7.75	- 2.40	24.22	46.00	21.78
	622.684	19.54	7.88	- 1.00	26.42	46.00	19.58
	656.524	20.14	8.10	- 3.50	24.74	46.00	21.26

Remark :
1. All reading were Quasi-Peak values.
2. The worst emission was detected at 311.358MHz with corrected signal level of 38.20dBuV/m (limit was 46dBuV/m) when the antenna was at horizontal polarization and was at 1.5m high and the turn table was at 200 ° .
3. 0 ° is the table front facing the antenna. Degree was calculated from 0 ° clockwise facing the antenna.

Date of Test : Apr. 01, 1998 Temperature : 28 ℃

EUT : 17" Color CRT Display Monitor Humidity : 55 %

Test Mode : 64KHz/1280*1024, 3m D-Sub Data Cable

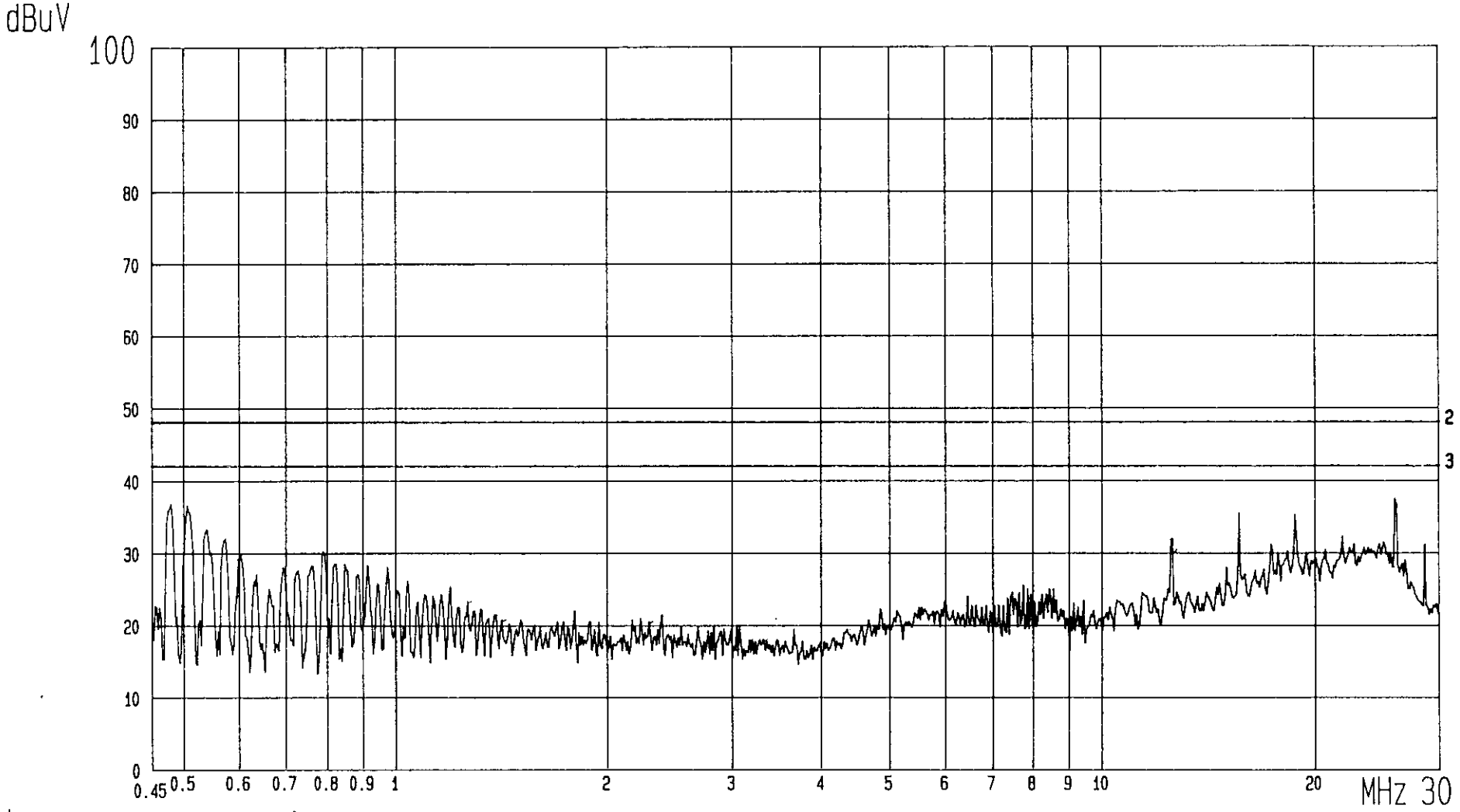
	Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading Vertical dBuV	Emission Level Vertical dBuV/m	Limits dBuV/m	Margin dBuV/m
	33.806	22.23	1.63	- 0.80	23.06	40.00	16.94
	40.615	18.74	1.83	- 0.80	19.77	40.00	20.23
	54.152	14.70	2.04	4.10	20.84	40.00	19.16
	81.239	15.69	2.48	- 1.00	17.17	40.00	22.83
	94.786	17.77	2.69	6.00	26.46	43.50	17.04
	108.305	17.06	2.87	9.60	29.53	43.50	13.97
	121.837	18.20	3.03	5.50	26.73	43.50	16.77
	135.364	19.14	3.26	5.10	27.50	43.50	16.00
	148.898	19.91	3.40	- 1.10	22.21	43.50	21.29
	175.970	22.16	3.78	- 3.10	22.84	43.50	20.66
	270.720	25.37	4.81	- 1.70	28.48	46.00	17.52
	304.552	14.17	5.19	10.90	30.26	46.00	15.74
*	311.379	13.99	5.23	20.40	39.62	46.00	6.38
	324.889	14.23	5.42	18.20	37.85	46.00	8.15
	338.434	14.55	5.57	11.20	31.32	46.00	14.68
	392.577	15.91	6.06	4.70	26.67	46.00	19.33
	446.723	16.70	6.57	1.80	25.07	46.00	20.93
	541.475	19.23	7.70	1.40	28.33	46.00	17.67
	663.299	19.96	8.20	- 0.10	28.06	46.00	17.94

Remark :
1. All reading were Quasi-Peak values.
2. The worst emission was detected at 311.379MHz with corrected signal level of 39.62dBuV/m (limit was 46dBuV/m) when the antenna was at vertical polarization and was at 1m high and the turn table was at 170 ° .
3. 0 ° is the table front facing the antenna. Degree was calculated from 0 ° clockwise facing the antenna.

4. DEVIATIONS TO TEST SPECIFICATIONS

[NONE]

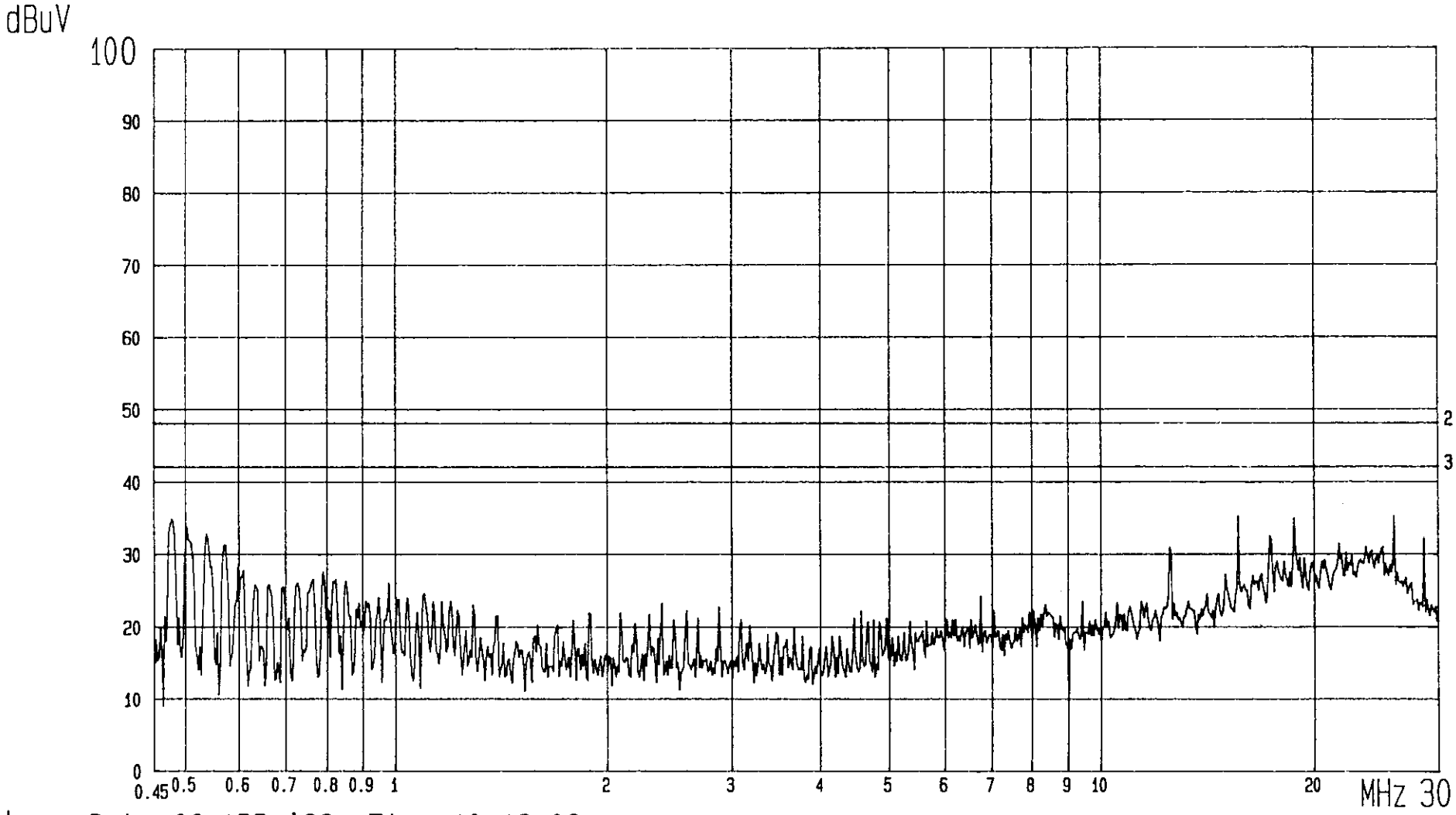
APPENDIX I



|--- Date 02.APR.'98 Time 10:14:27

MATSUSHITA EUT: MONITOR M/N: TX-D7S36NM; VCDTS21406-2* PAGE: 001.

LINE: VA. MEMO: 31.5KHz (640X480; 60Hz); 1.5m D-SUB (PEAK VALUE) TTEMC.



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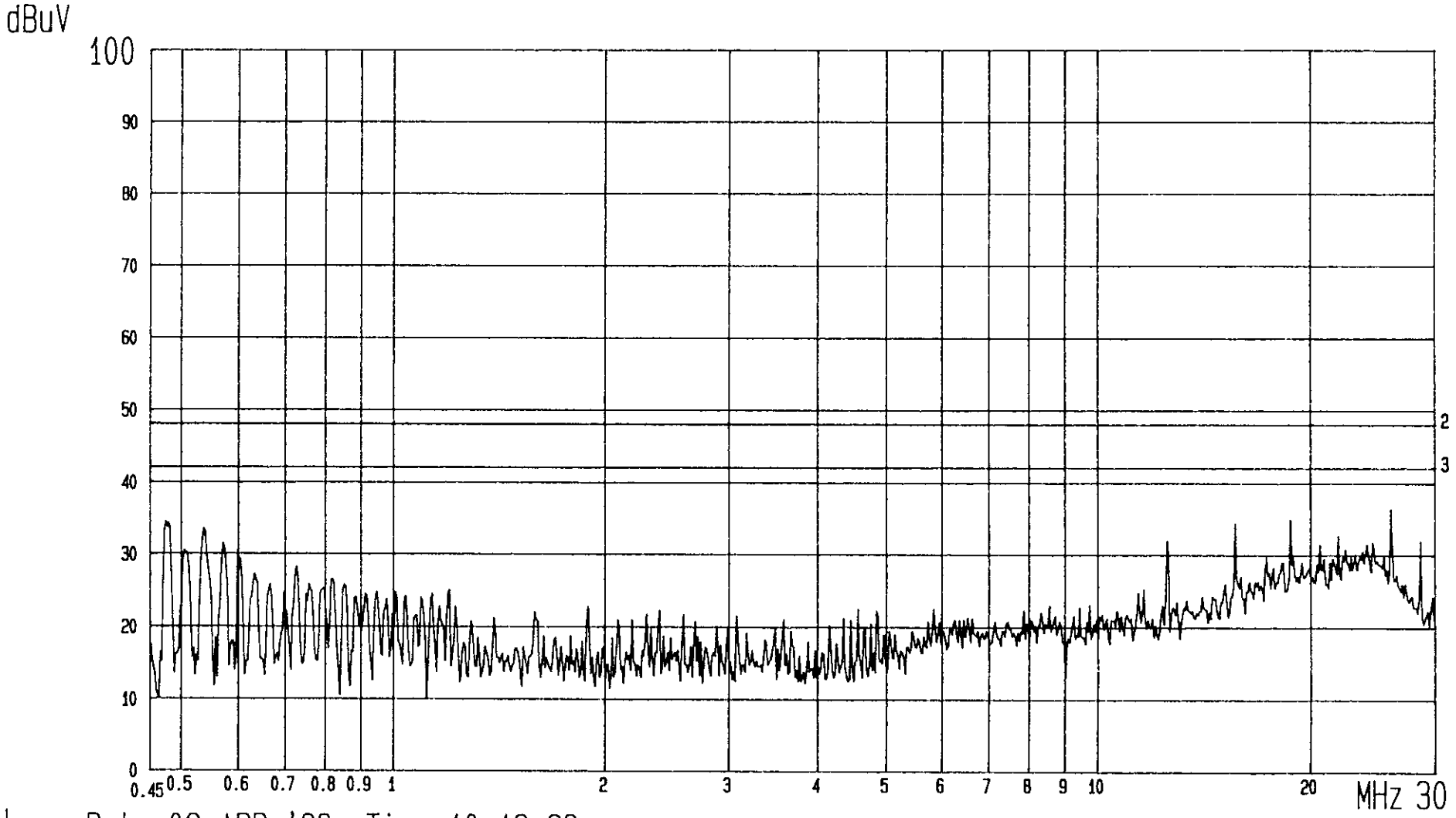
MATSUSHITA EUT: MONITOR M/N: TX-D7S36NM; VCDTS21406-2* PAGE: 002.

LINE: VB. MEMO: 31.5KHz (640X480; 60Hz); 1.5m D-SUB (PEAK VALUE) TTEMC.



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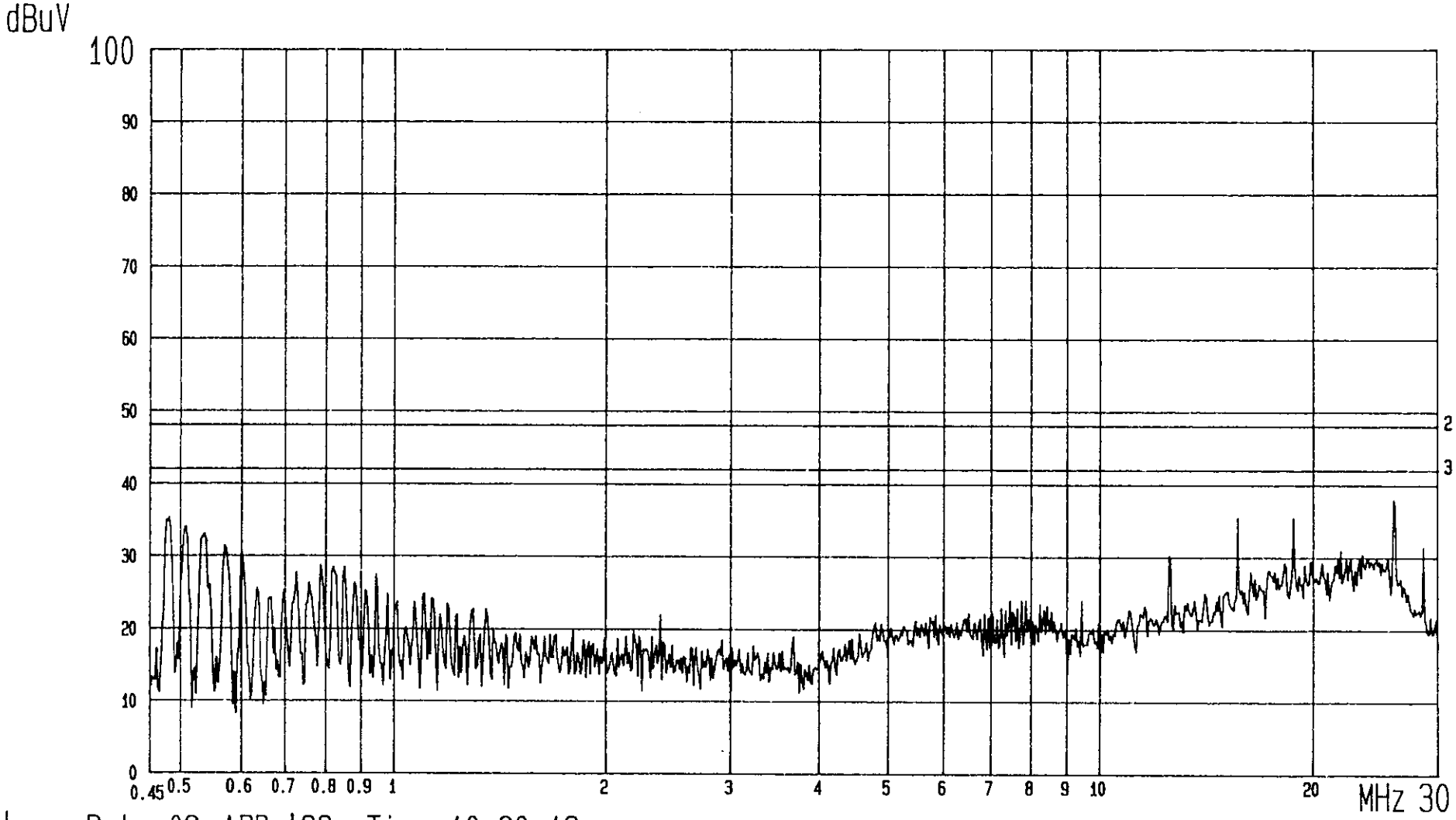
MATSUSHITA EUT: MONITOR M/N: TX-D7S36NM; VCDTS21406-2* PAGE: 003.
LINE: VB. MEMO: 31.5KHz (640X480; 60Hz) ; 1.8m D-SUB (PEAK VALUE) TTEMC.



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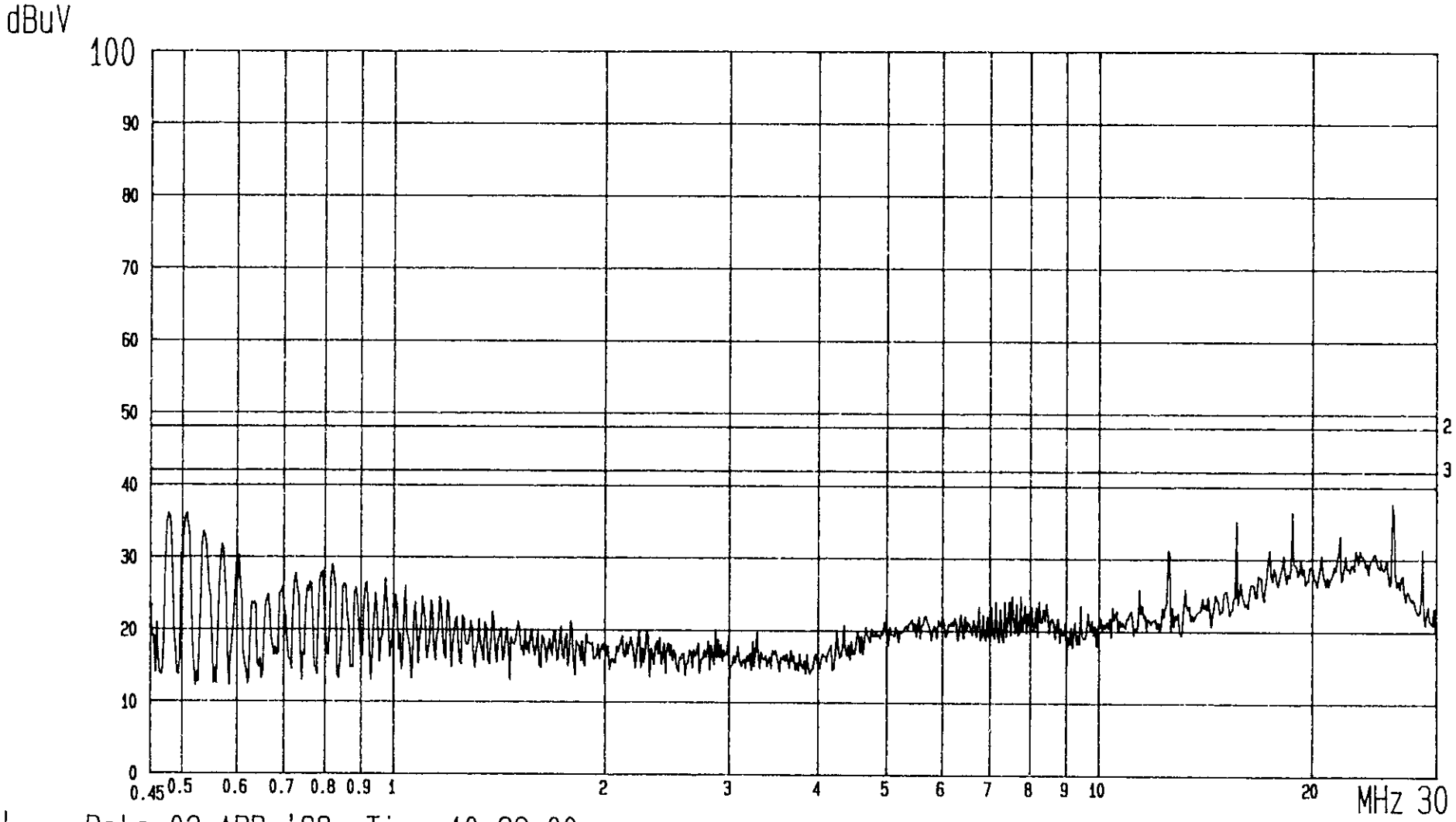
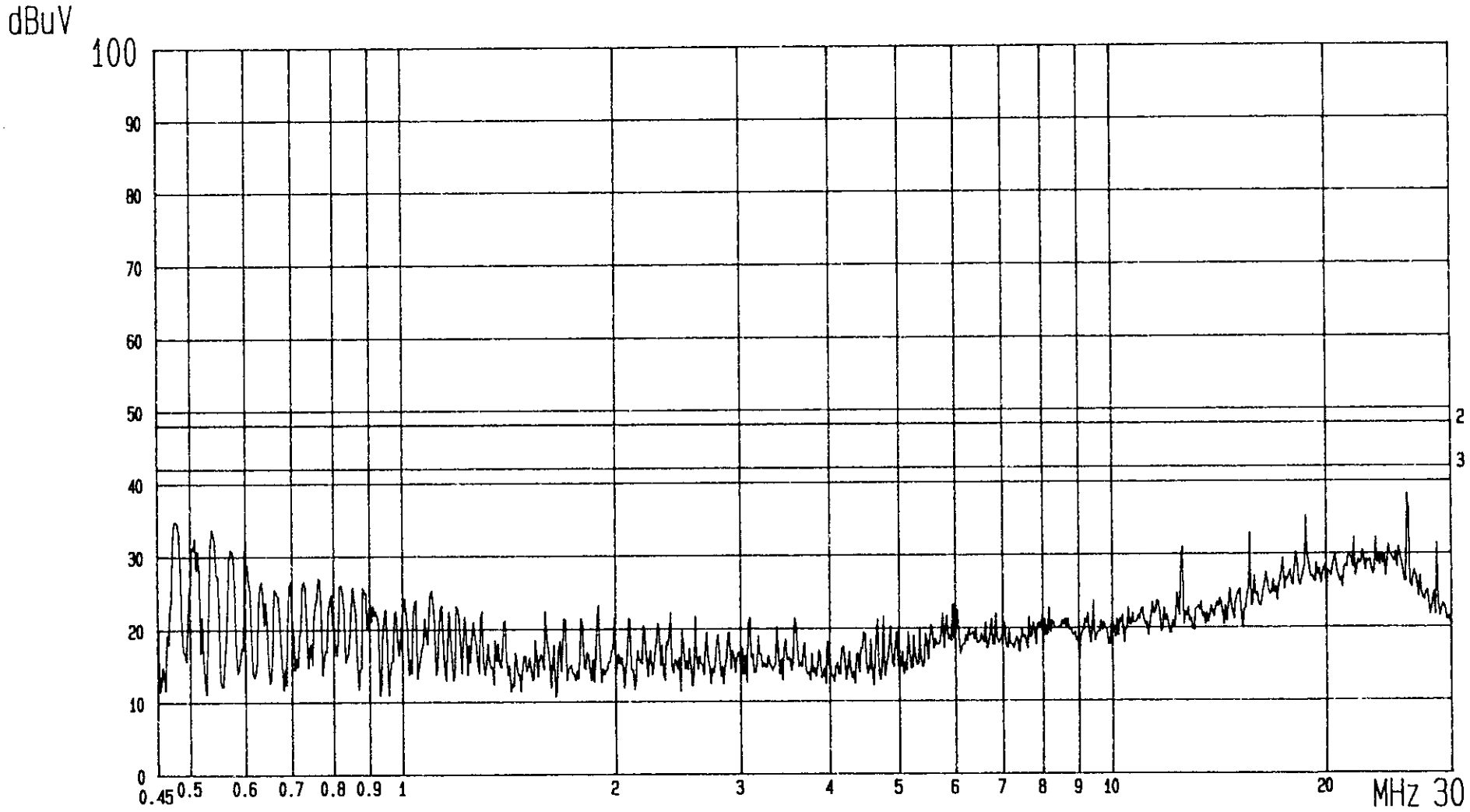
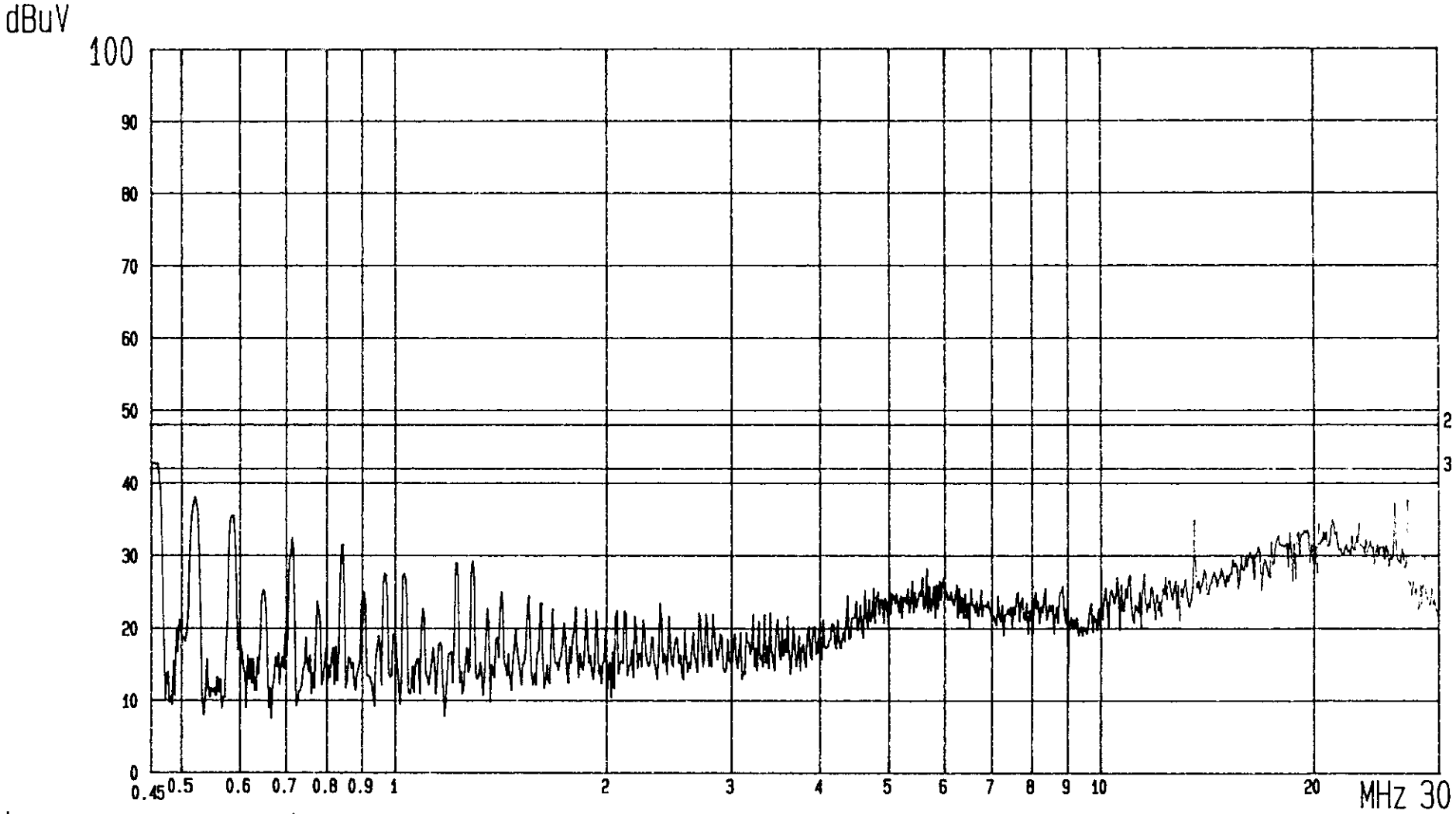
MATSUSHITA EUT: MONITOR M/N: TX-D7S36NM; VCDTS21406-2* PAGE: 004.
LINE: VA. MEMO: 31.5KHz (640X480; 60Hz); 1.8m D-SUB (PEAK VALUE) TTEMC.



|--- Date 02.APR.'98 Time 10:22:00
MATSUSHITA EUT: MONITOR M/N: TX-D7S36NM; VCDTS21406-2* PAGE: 005.
LINE: VA. MEMO: 31.5KHz (640X480; 60Hz); 3.0m D-SUB (PEAK VALUE) TTEMC.



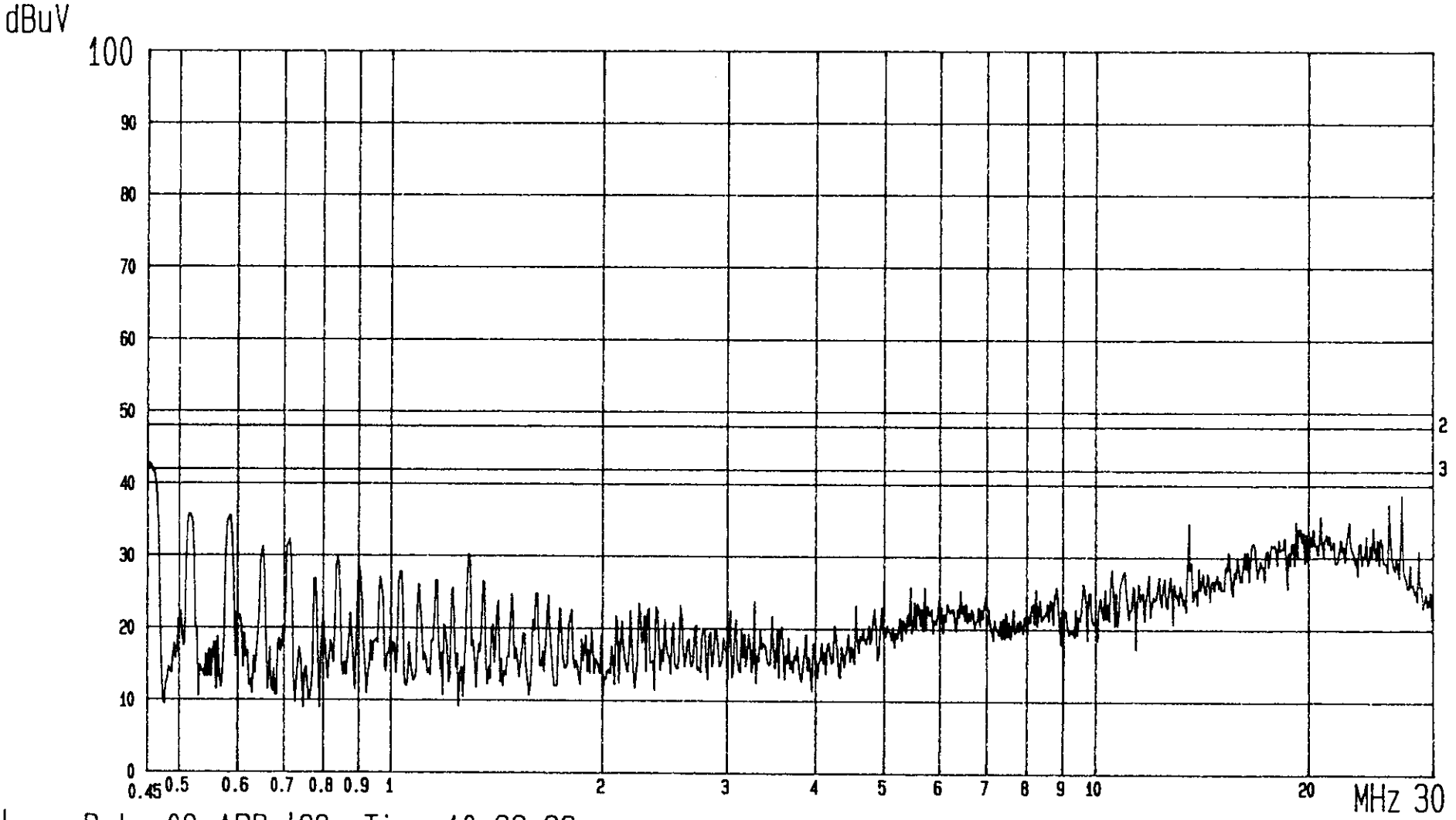
|--- Date 02.APR.'98 Time 10:23:45
MATSUSHITA EUT: MONITOR M/N: TX-D7S36NM; VCDTS21406-2* PAGE: 006.
LINE: VB. MEMO: 31.5KHz (640X480; 60Hz); 3.0m D-SUB (PEAK VALUE) TTEMC.



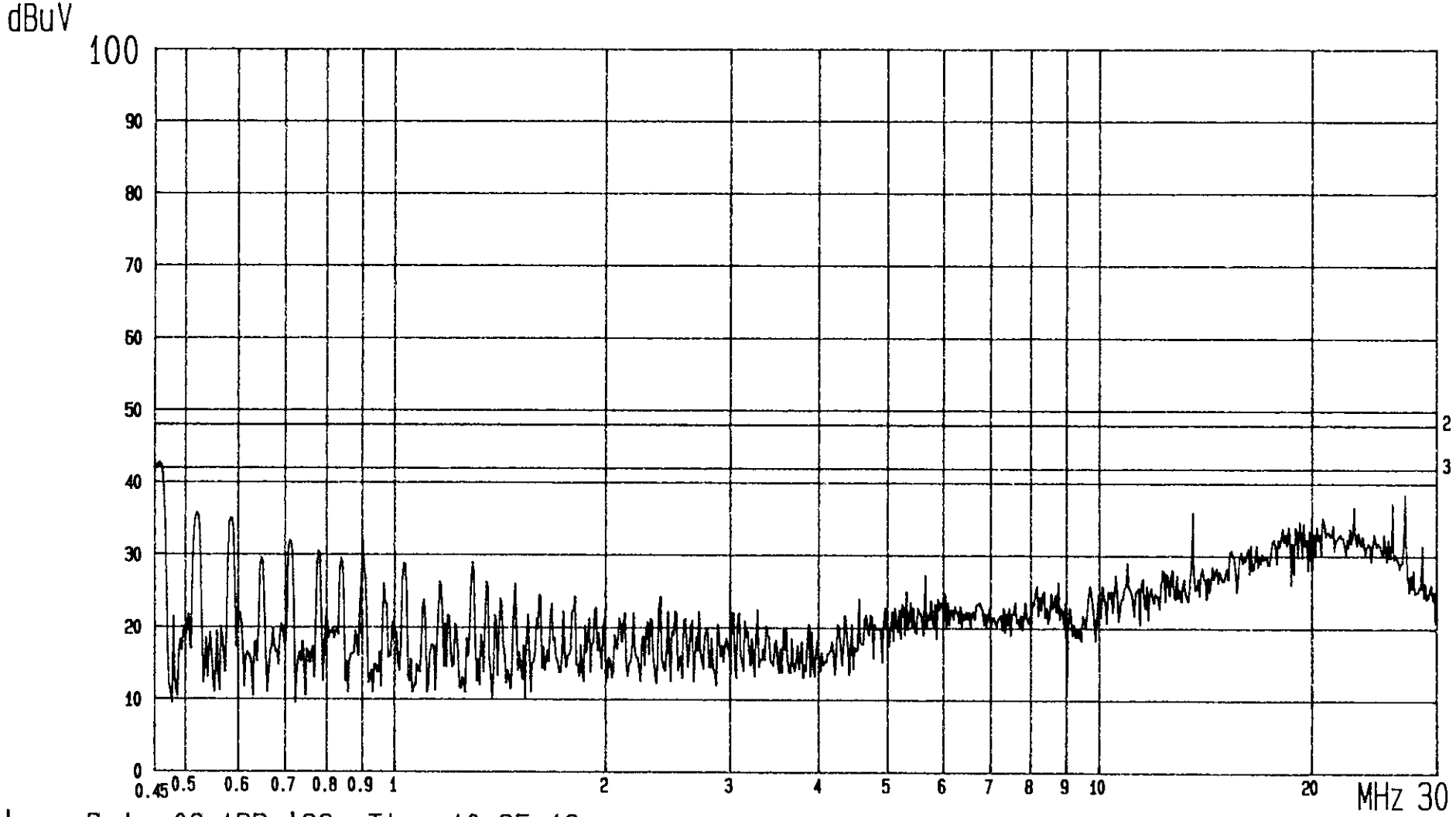
--- Date 02.APR.'98 Time 10:31:57

MATSUSHITA EUT: MONITOR M/N: TX-D7S36NM; VCDTS21406-2* PAGE: 009.

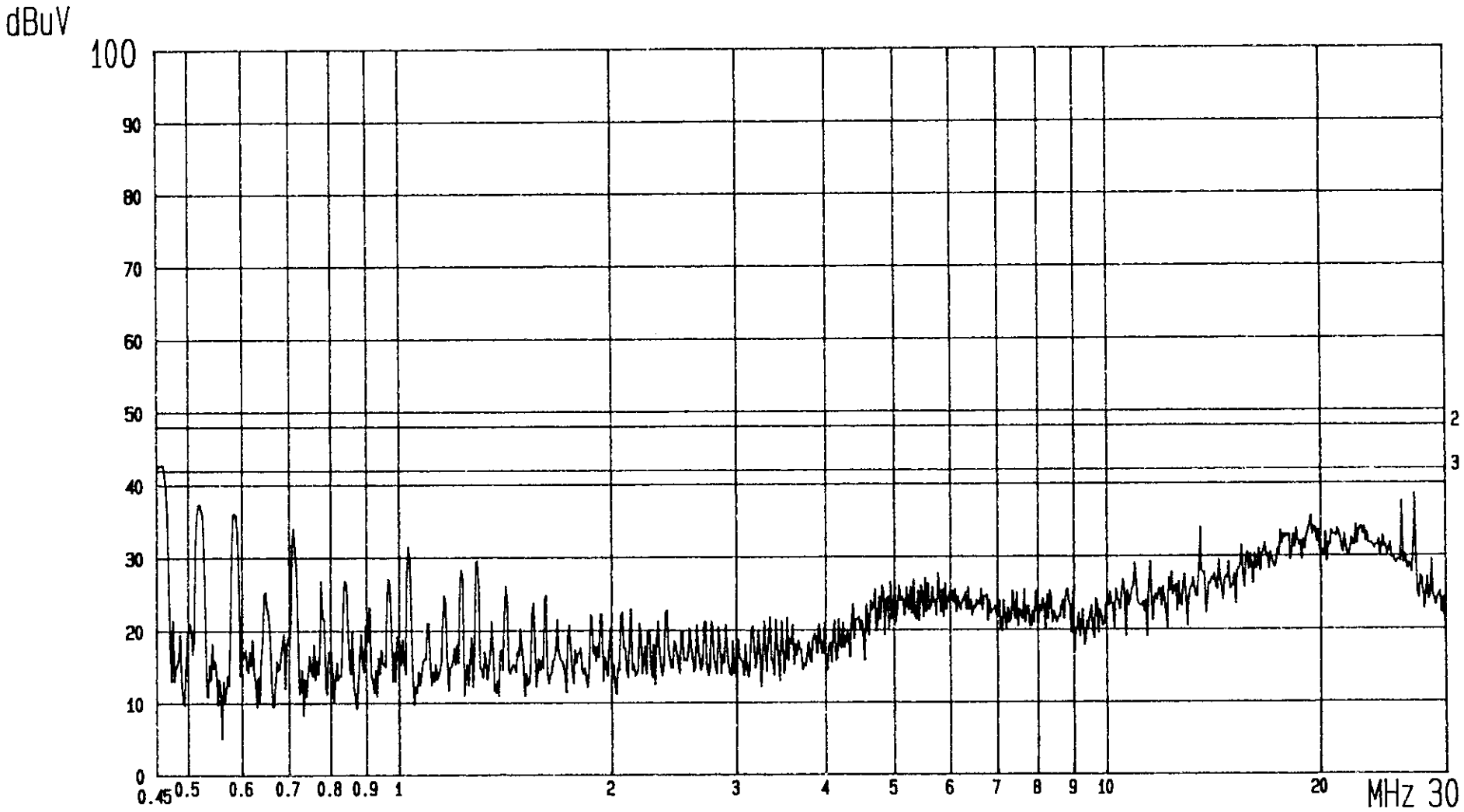
LINE: VA. MEMO: 64KHz (1280X1024; 60Hz); 1.8m D-SUB (PEAK VALUE) TTEMC.



|--- Date 02.APR.'98 Time 10:33:33
MATSUSHITA EUT: MONITOR M/N: TX-D7S36NM; VCDTS21406-2* PAGE: 010.
LINE: VB. MEMO: 64KHz (1280X1024; 60Hz); 1.8m D-SUB (PEAK VALUE) TTEMC.



|--- Date 02.APR.'98 Time 10:35:18
MATSUSHITA EUT: MONITOR M/N: TX-D7S36NM; VCDTS21406-2* PAGE: 011.
LINE: VB. MEMO: 64KHz (1280X1024; 60Hz); 1.5m D-SUB (PEAK VALUE) TTEMC.



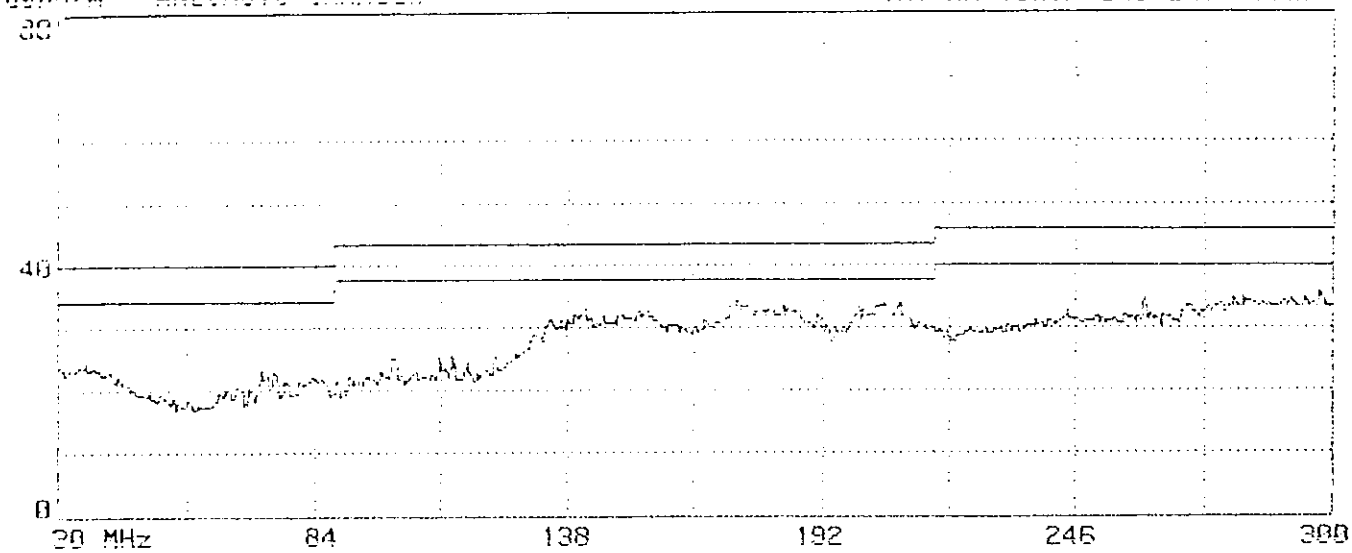
--- Date 02.APR.'98 Time 10:37:17

MATSUSHITA EUT: MONITOR M/N: TX-D7S36NM; VCDTS21406-2* PAGE: 012.

LINE: VA. MEMO: 64KHz (1280X1024; 60Hz); 1.5m D-SUB (PEAK VALUE) TTEMC.

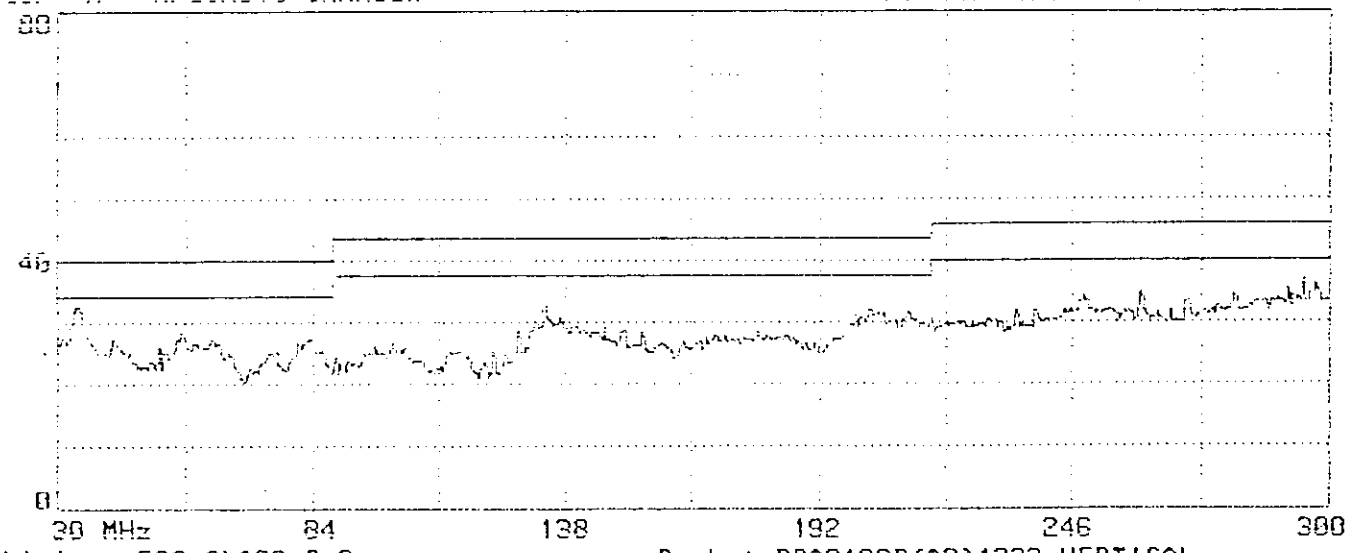
APPENDIX II

Page#: 2117 SP File#: MATSUSHI.EI Date: 04-01-1998 Time: 15:16:04
dBuV/m ANECHOIC CHAMBER TAIWAN TOKIN EMC ENG. CORP.



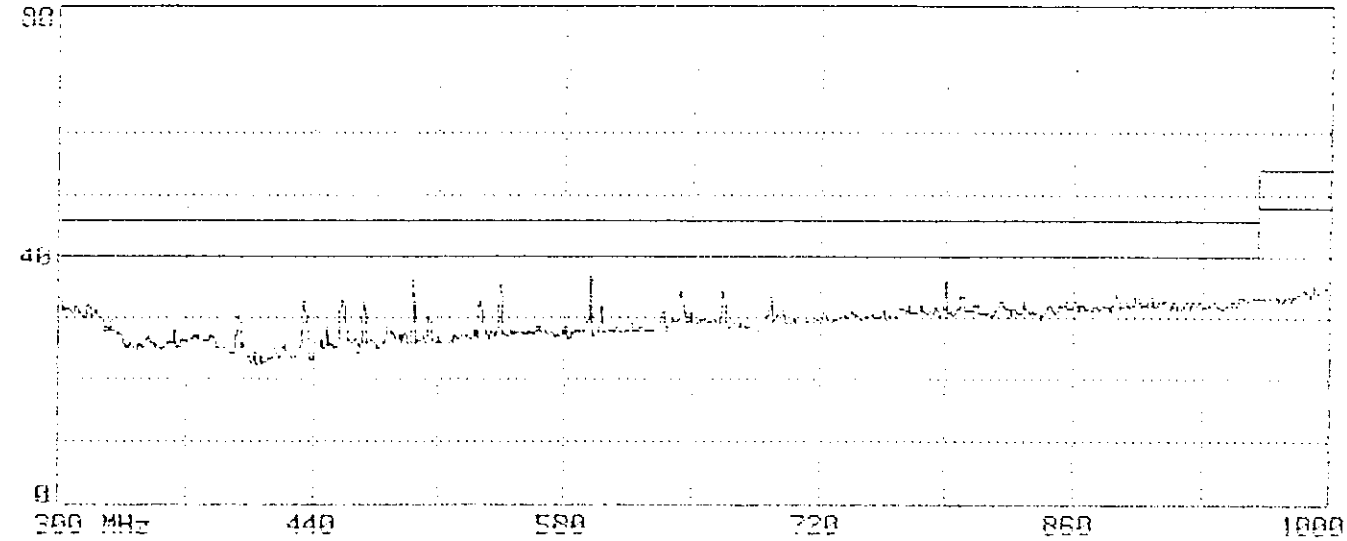
Limit : FCC CLASS-B 3m Probe: 8809108B(A3)1223 HORIZONTAL
EUT : 17" MONITOR M/N:TX-D7S36NM Power : 120Vac/60Hz
Margin: 6dB Standard: 0 Trace: 2117, 0, 0, 0, 0
Memo : 31.5KHz(640X480;60Hz)1.5mD-SUB CABLE

Page#: 2118 SP File#: MATSUSHI.EI Date: 04-01-1998 Time: 15:16:55
dBuV/m ANECHOIC CHAMBER TAIWAN TOKIN EMC ENG. CORP.



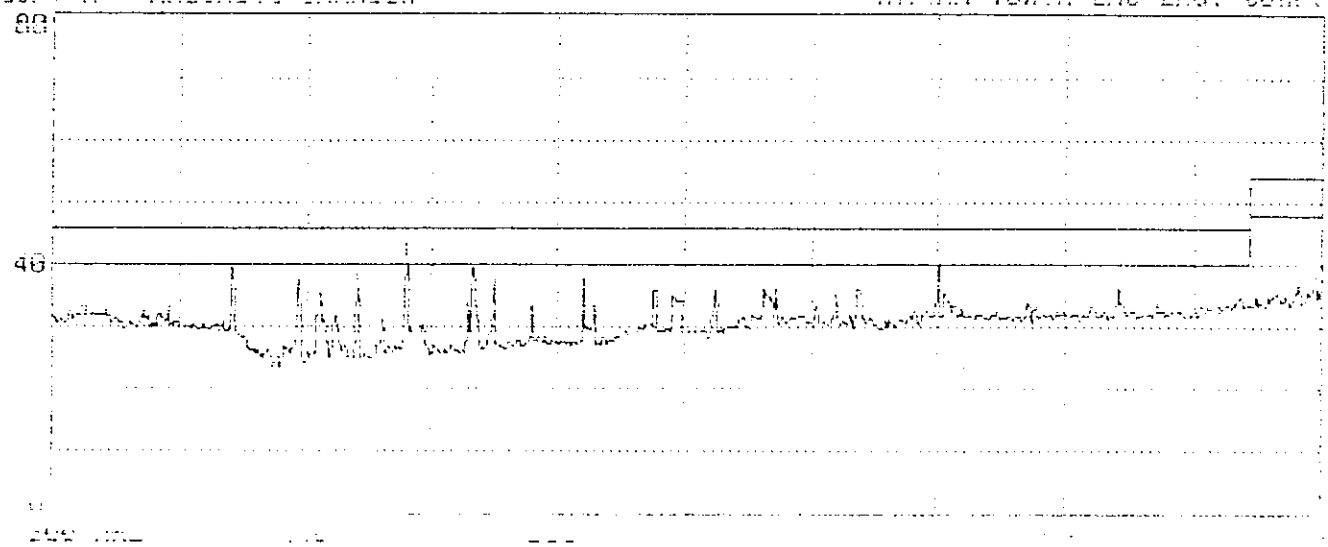
Limit : FCC CLASS-B 3m Probe: 8809108B(A3)1223 VERTICAL
EUT : 17" MONITOR M/N:TX-D7S36NM Power : 120Vac/60Hz
Margin: 6dB Standard: 0 Trace: 2118, 0, 0, 0, 0
Memo : 31.5KHz(640X480;60Hz)1.5mD-SUB CABLE

Page#: 2115 SP File#: MATSUSHI EI Date: 04-01-1998 Time: 15:12:51
dBuV/m ANECHOIC CHAMBER TAIWAN TOKIN EMC ENG. CORP.



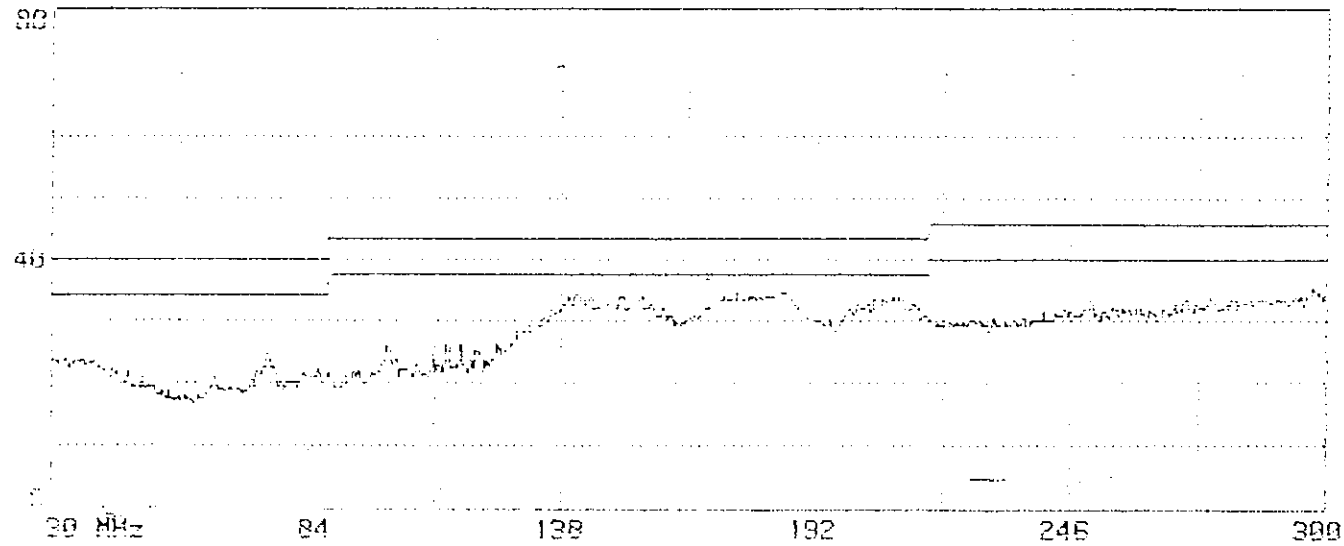
Limit : FCC CLASS-B 3m Probe: UHALP9107B(A3)1223 HORIZONTAL
EUT : 17" MONITOR M/N:TX-D7S36NM Power : 120Vac/60Hz
Margin: 6dB Standard: 0 Trace: 2115, 0, 0, 0, 0
Memo : 31.5KHz(640X480;60Hz)1.5mD-SUB CABLE

Page#: 2116 SP File#: MATSUSHI.EI Date: 04-01-1998 Time: 15:13:39
dBuV/m ANECHOIC CHAMBER TAIWAN TOKIN EMC ENG. CORP.



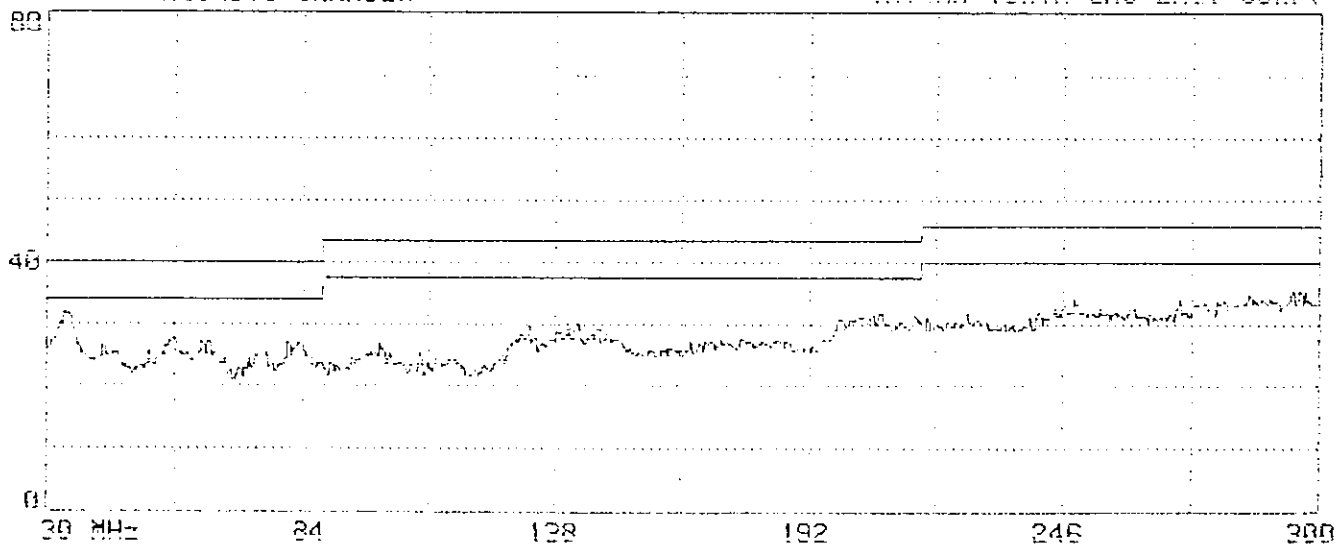
Limit : FCC CLASS-B 3m Probe: [illegible]
EUT : 17" MONITOR M/N:TX-D7S36NM Power : 120Vac/60Hz
Margin: 6dB Standard: 0 Trace: 2116, 0, 0, 0, 0
Memo : 31.5KHz(640X480;60Hz)1.5mD-SUB CABLE

Page#: 2111 SP File#: MATSUSHI.EI Date: 04-01-1998 Time: 15:06:35
dBuV/m ANECHOIC CHAMBER TAIWAN TOKIN EMC ENG. CORP.



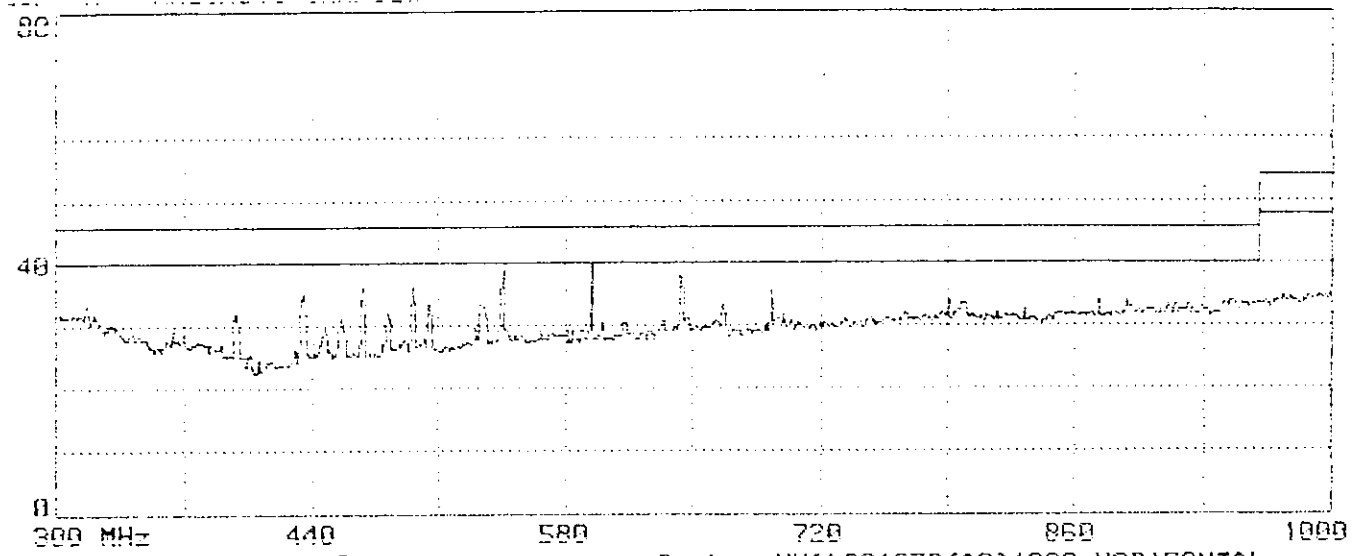
Limit : FCC CLASS-B 3m Probe: BB0918G8(03)1223 HORIZONTAL
EUT : 17" MONITOR M/N:TX-D7336NM Power: 120Vac/60Hz
Margin: 6dB Standard: 0 Trace: 2111, 0, 0, 0, 0
Memo : 31.5KHz(640X480;60Hz)1.8m0-SUB CABLE

Page#: 2112 SP File#: MATSUSHI.EI Date: 04-01-1998 Time: 15:07:30
dBuV/m ANECHOIC CHAMBER TAIWAN TOKIN EMC ENG. CORP.



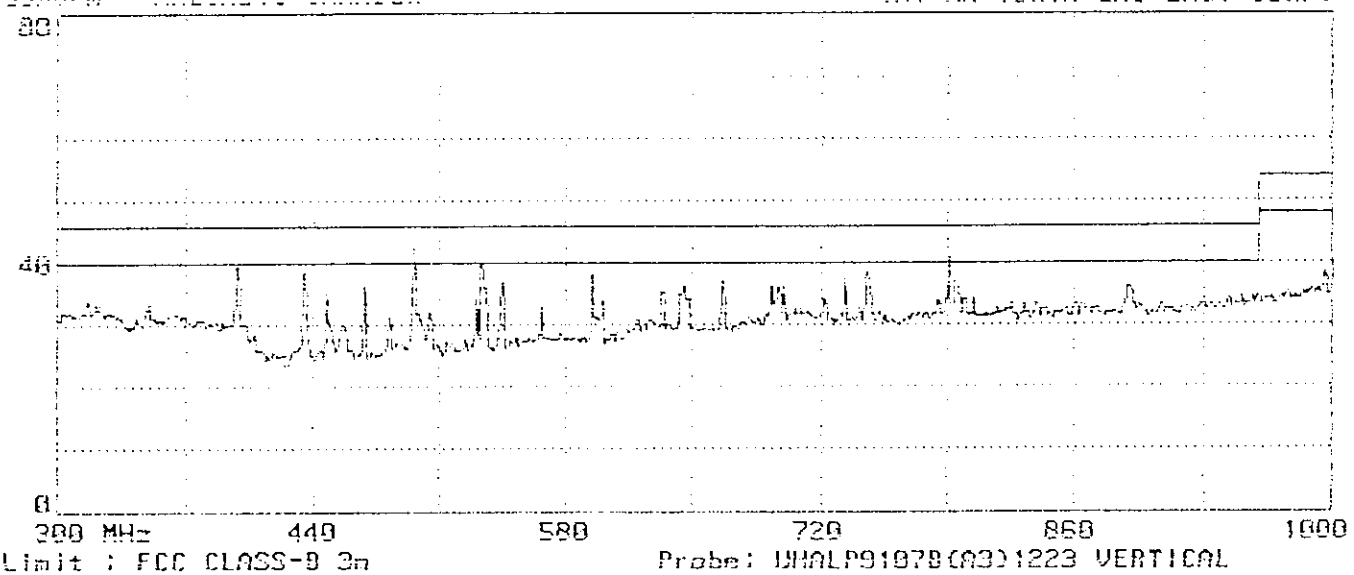
Limit : FCC CLASS-B 3m Probe: BB0918G8(03)1223 VERTICAL
EUT : 17" MONITOR M/N:TX-D7336NM Power: 120Vac/60Hz
Margin: 6dB Standard: 0 Trace: 2112, 0, 0, 0, 0
Memo : 31.5KHz(640X480;60Hz)1.8m0-SUB CABLE

Page#: 2113 SP File#: MATSUSHI.EI Date: 04-01-1998 Time: 15:09:37
dBuV/m ANECHOIC CHAMBER TAIWAN TOKIN EMC ENG. CORP.



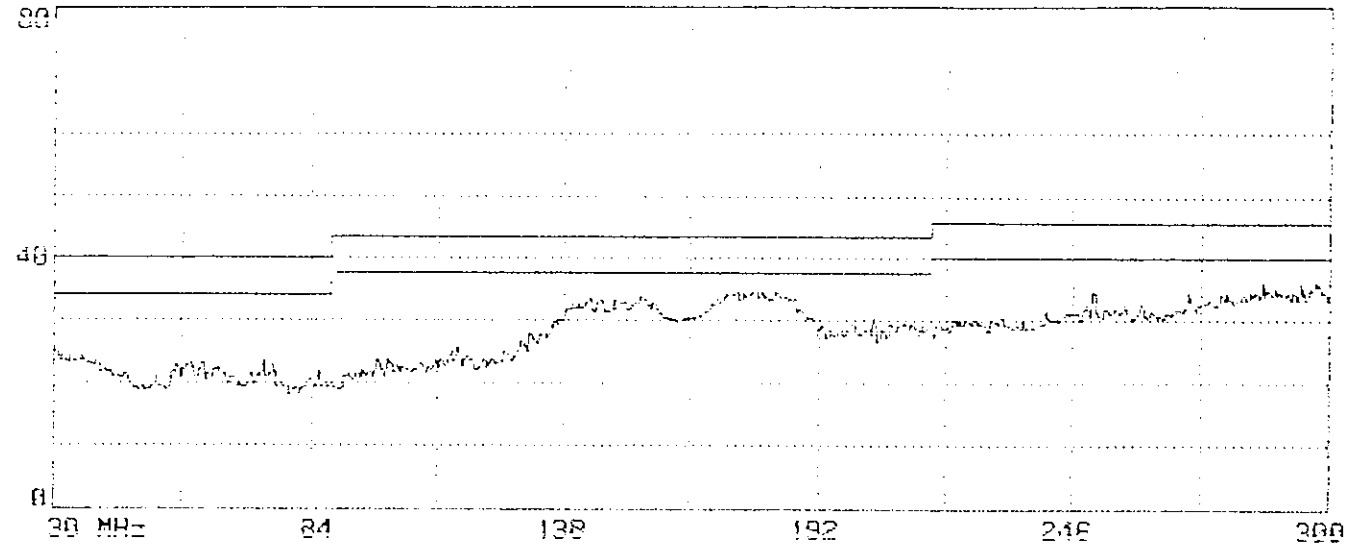
Limit : FCC CLASS-B 3m Probe: UHALP9107B(A3)1223 HORIZONTAL
EUT : 17" MONITOR M/N:TX-D7SS6NM Power : 120Vac/60Hz
Margin: 6dB Standard: 0 Trace: 2113, 0, 0, 0, 0
Memo : 31.5KHz(640X480;60Hz)1.8mD-SUB CABLE

Page#: 2114 SP File#: MATSUSHI.EI Date: 04-01-1998 Time: 15:10:33
dBuV/m ANECHOIC CHAMBER TAIWAN TOKIN EMC ENG. CORP.



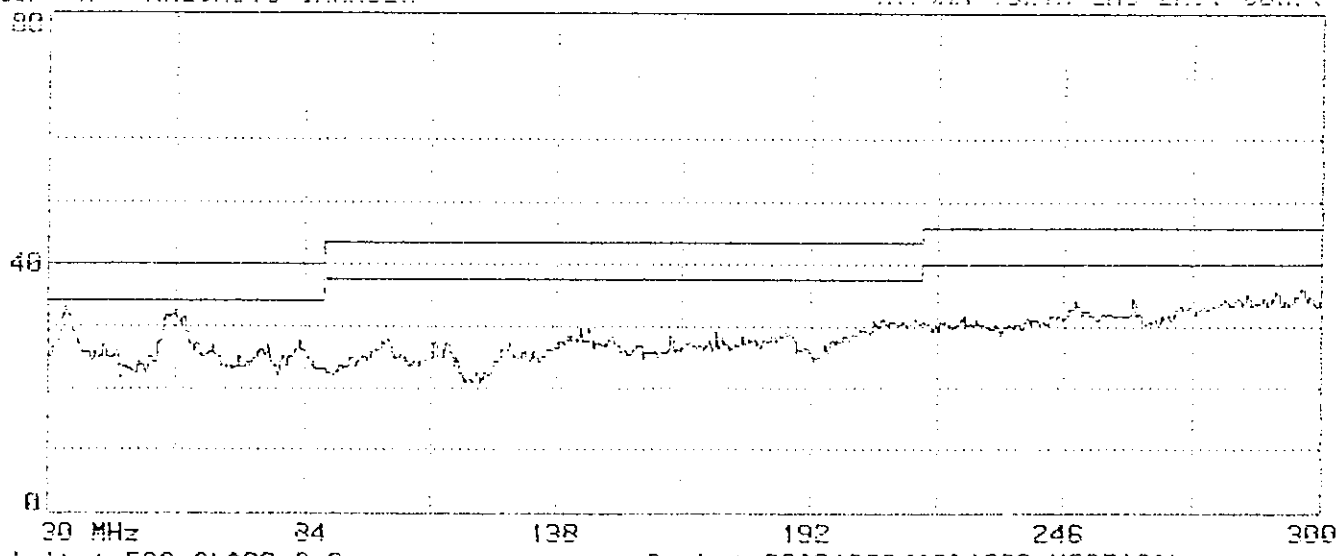
Limit : FCC CLASS-B 3m Probe: UHALP9107B(A3)1223 VERTICAL
EUT : 17" MONITOR M/N:TX-D7SS6NM Power : 120Vac/60Hz
Margin: 6dB Standard: 0 Trace: 2114, 0, 0, 0, 0
Memo : 31.5KHz(640X480;60Hz)1.8mD-SUB CABLE

Page#: 2109 SP File#: MATSUSHI.EI Date: 04-01-1998 Time: 15:01:57
dBuV/m ANECHOIC CHAMBER TAIWAN TOKIN EMC ENG. CORP.



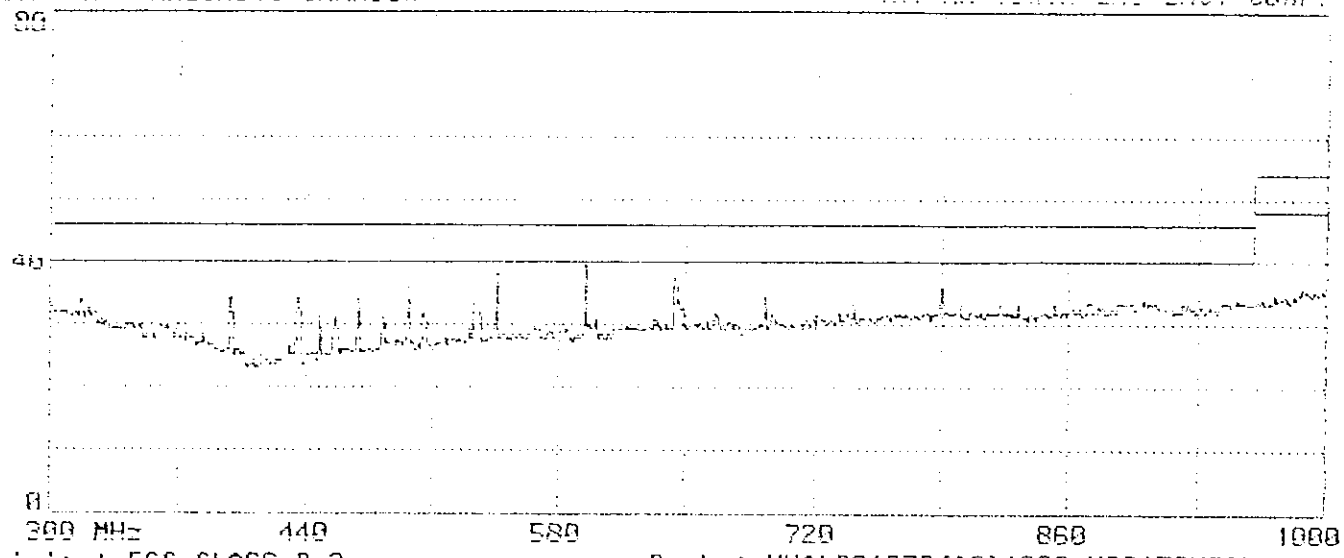
Limit : FCC CLASS-B 3m Probe: 8809186B(03)1223 HORIZONTAL
EUT : 17" MONITOR M/N:TX-D7336NM Power : 120Vac/60Hz
Margin: 6dB Standard: 0 Trace: 2109, 0, 0, 0, 0
Memo : 31.5KHz(640X480;60Hz)3mD-SUB CABLE

Page#: 2110 SP File#: MATSUSHI.EI Date: 04-01-1998 Time: 15:03:14
dBuV/m ANECHOIC CHAMBER TAIWAN TOKIN EMC ENG. CORP.



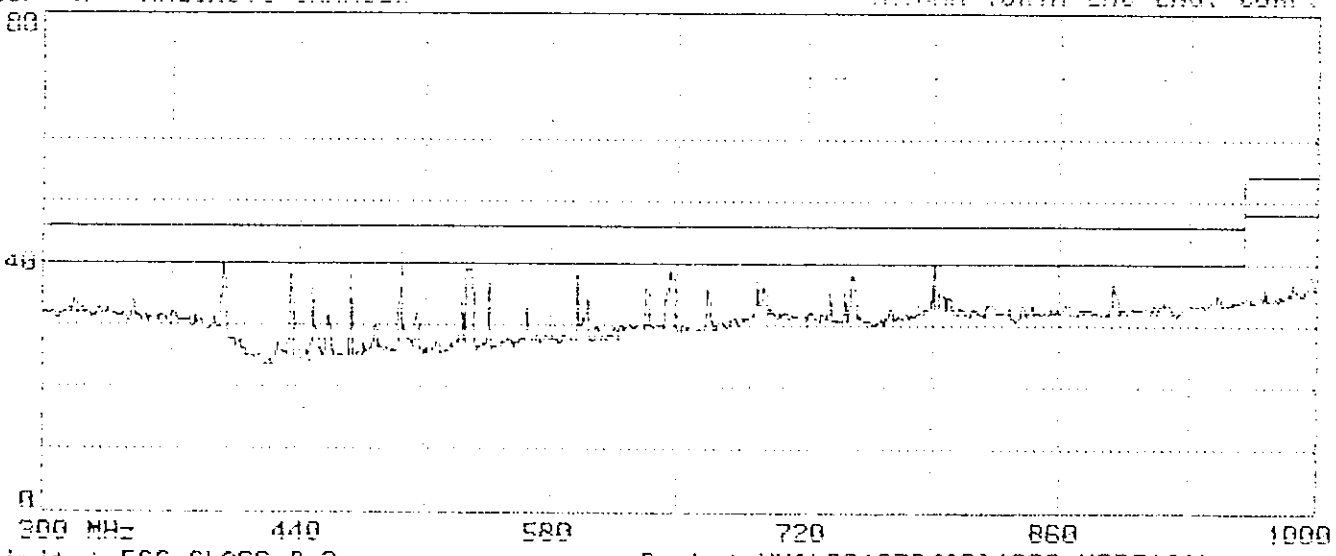
Limit : FCC CLASS-B 3m Probe: 8809186B(03)1223 VERTICAL
EUT : 17" MONITOR M/N:TX-D7336NM Power : 120Vac/60Hz
Margin: 6dB Standard: 0 Trace: 2110, 0, 0, 0, 0
Memo : 31.5KHz(640X480;60Hz)3mD-SUB CABLE

Page#: 2187 SP File#: MATSUSHI.EI Date: 04-01-1998 Time: 14:58:08
dBuV/m ANECHOIC CHAMBER TAIWAN TOKIN EMC ENG. CORP.



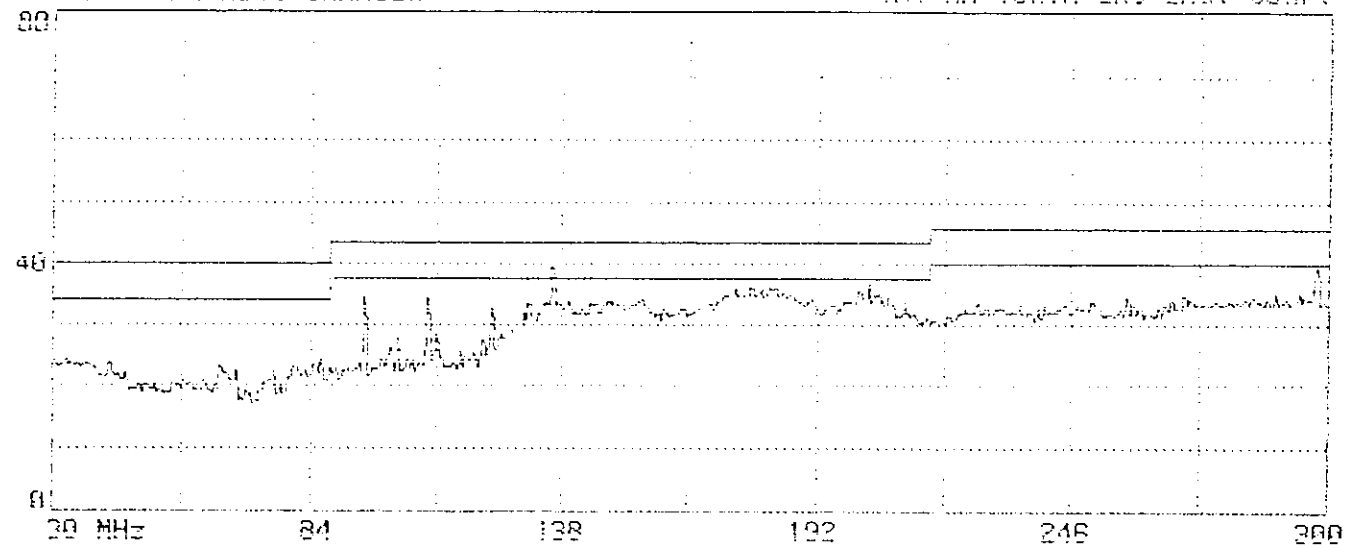
Limit : FCC CLASS-B 3m Probe: UHALP9107B(A3)1223 HORIZONTAL
EUT : 17" MONITOR M/N:TX-D7S38NM Power : 120Vac/60Hz
Margin: 6dB Standard: 0 Trace: 2187, 0, 0, 0, 0
Memo : 31.5KHz(640X480;60Hz)3m0-SUB CABLE

Page#: 2188 SP File#: MATSUSHI.EI Date: 04-01-1998 Time: 14:59:23
dBuV/m ANECHOIC CHAMBER TAIWAN TOKIN EMC ENG. CORP.



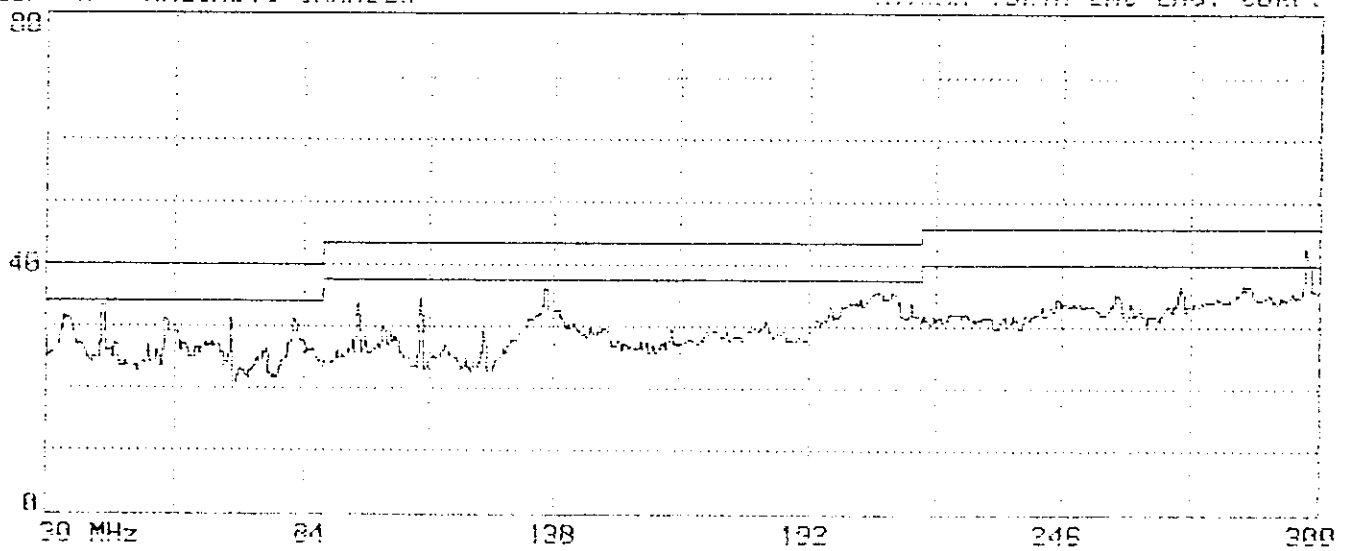
Limit : FCC CLASS-B 3m Probe: UHALP9107B(A3)1223 VERTICAL
EUT : 17" MONITOR M/N:TX-D7S38NM Power : 120Vac/60Hz
Margin: 6dB Standard: 0 Trace: 2188, 0, 0, 0, 0
Memo : 31.5KHz(640X480;60Hz)3m0-SUB CABLE

Page#: 2119 SP File#: MATSUSHI.EI Date: 04-01-1998 Time: 15:26:18
dBuV/m ANECHOIC CHAMBER TAIWAN TOKIN EMC ENG. CORP.



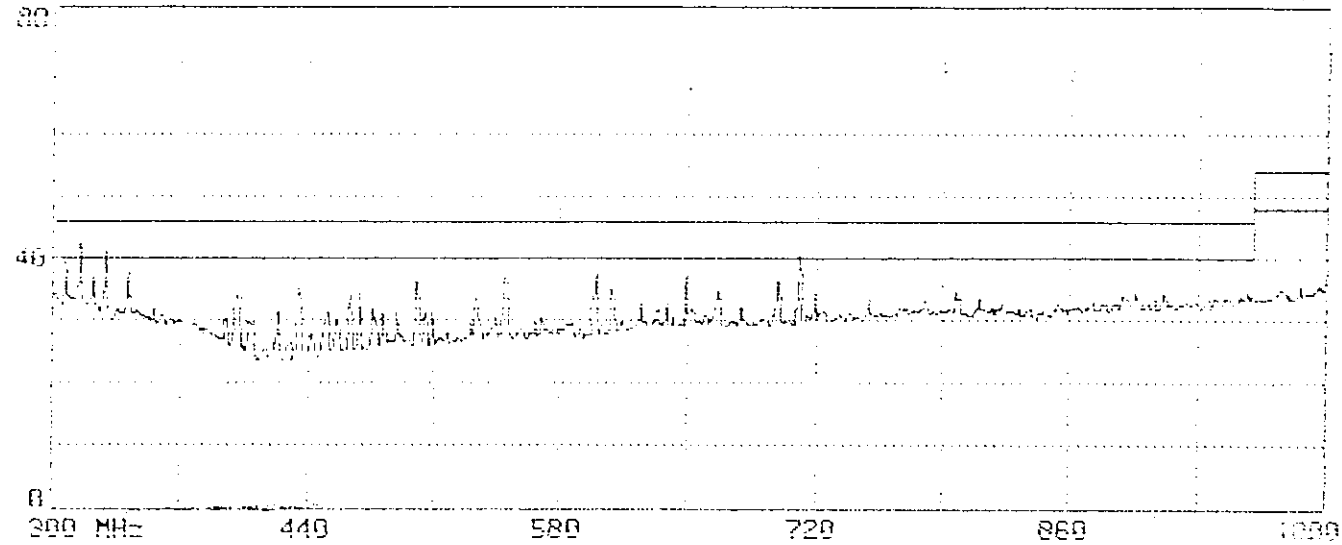
Limit : FCC CLASS-B 3m Probe: BBA9108B(03)1223 HORIZONTAL
EUT : 17" MONITOR M/N:TX-D7S38NM Power : 120Vac/60Hz
Margin: 6dB Standard: 0 Trace: 2119, 0, 0, 0, 0
Memo : 64KHz(1280X1024;60Hz)1.5m0-SUB CABLE

Page#: 2120 SP File#: MATSUSHI.EI Date: 04-01-1998 Time: 15:27:20
dBuV/m ANECHOIC CHAMBER TAIWAN TOKIN EMC ENG. CORP.



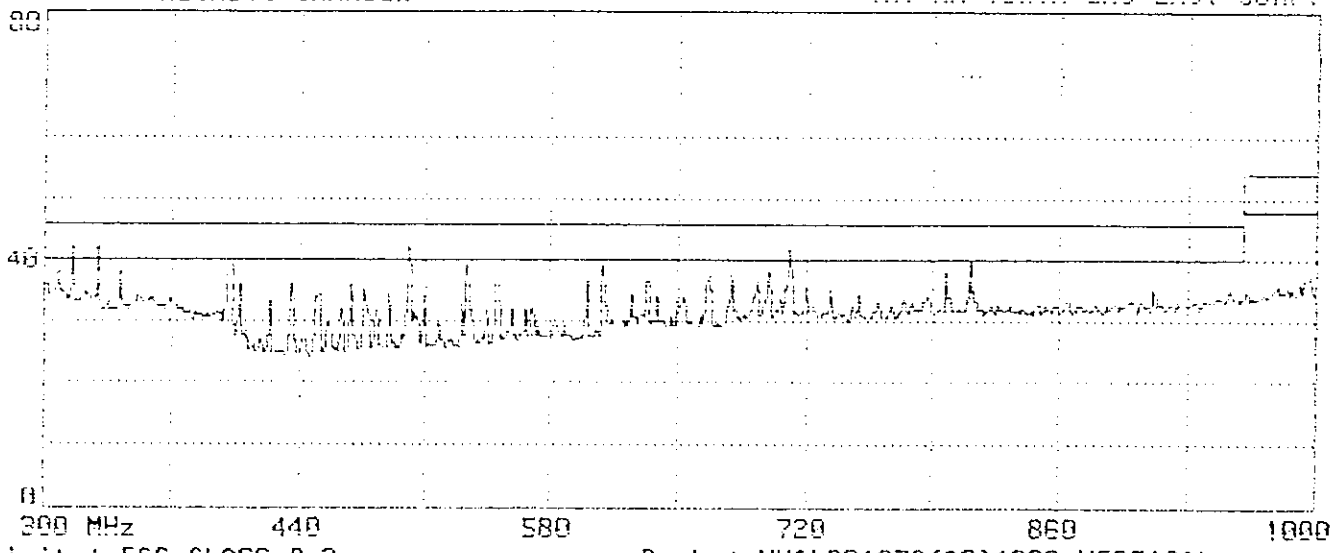
Limit : FCC CLASS-B 3m Probe: BBA9108B(03)1223 VERTICAL
EUT : 17" MONITOR M/N:TX-D7S38NM Power : 120Vac/60Hz
Margin: 6dB Standard: 0 Trace: 2120, 0, 0, 0, 0
Memo : 64KHz(1280X1024;60Hz)1.5m0-SUB CABLE

Page#: 2121 SP File#: MATSUSHI.EI Date: 04-01-1998 Time: 15:29:55
dBuV/m ANECHOIC CHAMBER TAIWAN TOKIN EMC ENG. CORP.



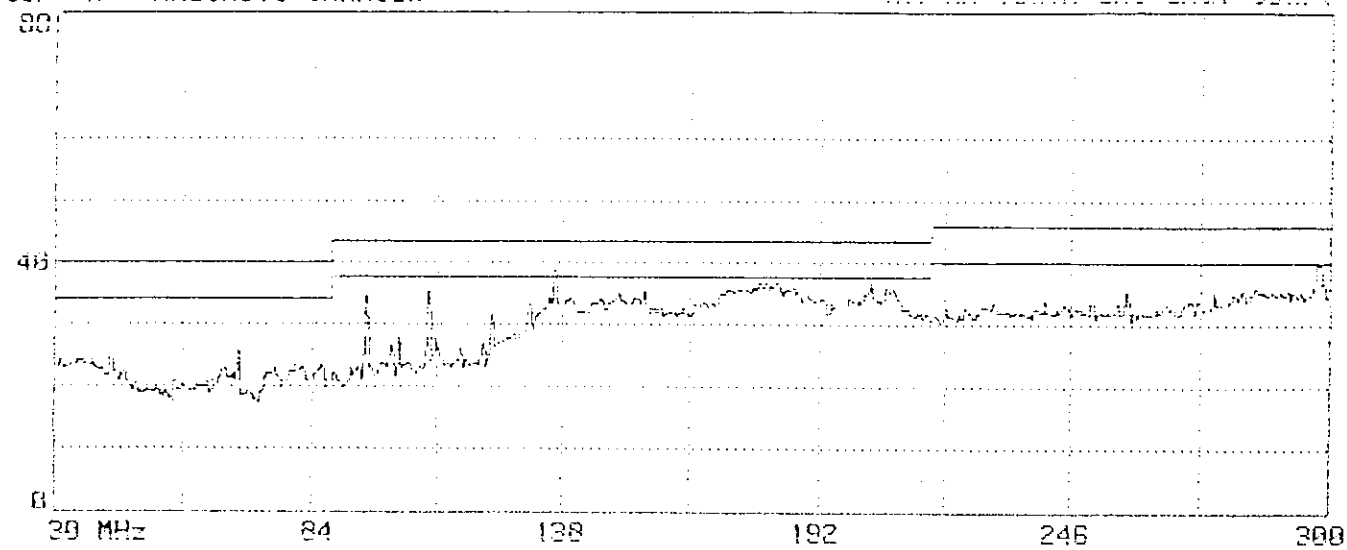
Limit : FCC CLASS-B 3m Probe: UHALP9107B(A3)1223 HORIZONTAL
EUT : 17" MONITOR M/N:TX-D7336NM Power: 120Vac/60Hz
Margin: 6dB Standard: 0 Trace: 2121, 0, 0, 0, 0
Memo : 64KHz(1280X1024;60Hz)1.5mD-SUB CABLE

Page#: 2122 SP File#: MATSUSHI.EI Date: 04-01-1998 Time: 15:31:12
dBuV/m ANECHOIC CHAMBER TAIWAN TOKIN EMC ENG. CORP.



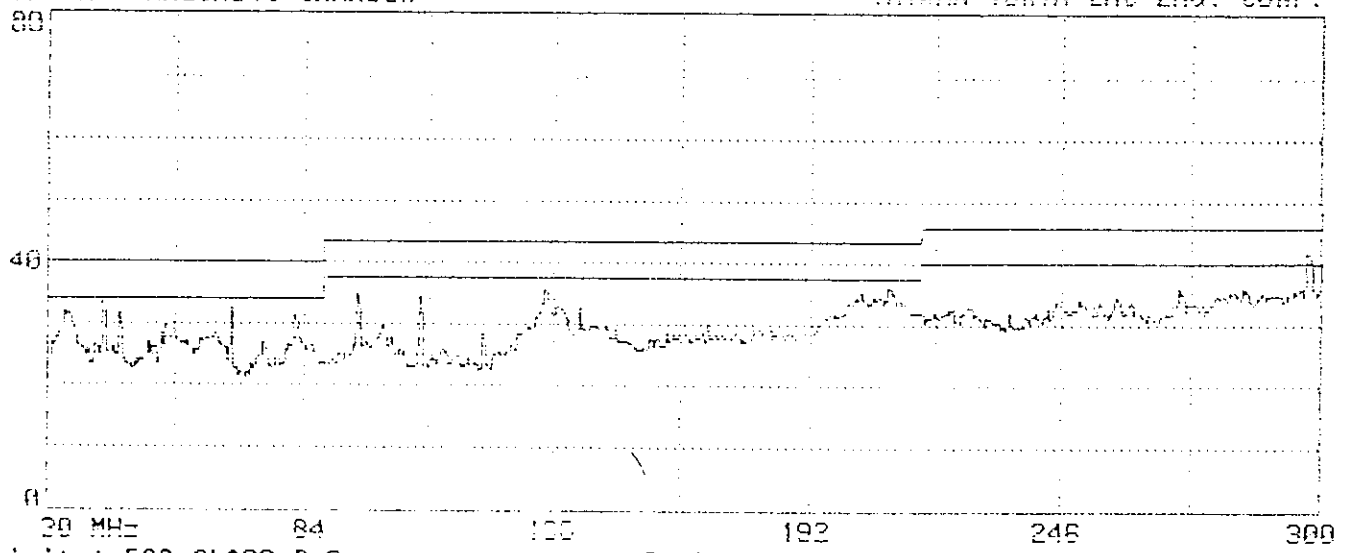
Limit : FCC CLASS-B 3m Probe: UHALP9107B(A3)1223 VERTICAL
EUT : 17" MONITOR M/N:TX-D7336NM Power: 120Vac/60Hz
Margin: 6dB Standard: 0 Trace: 2122, 0, 0, 0, 0
Memo : 64KHz(1280X1024;60Hz)1.5mD-SUB CABLE

Page#: 2125 SP File#: MATSUSHI.EI Date: 04-01-1998 Time: 15:37:05
dBuV/m ANECHOIC CHAMBER TAIWAN TOKIN EMC ENG. CORP.



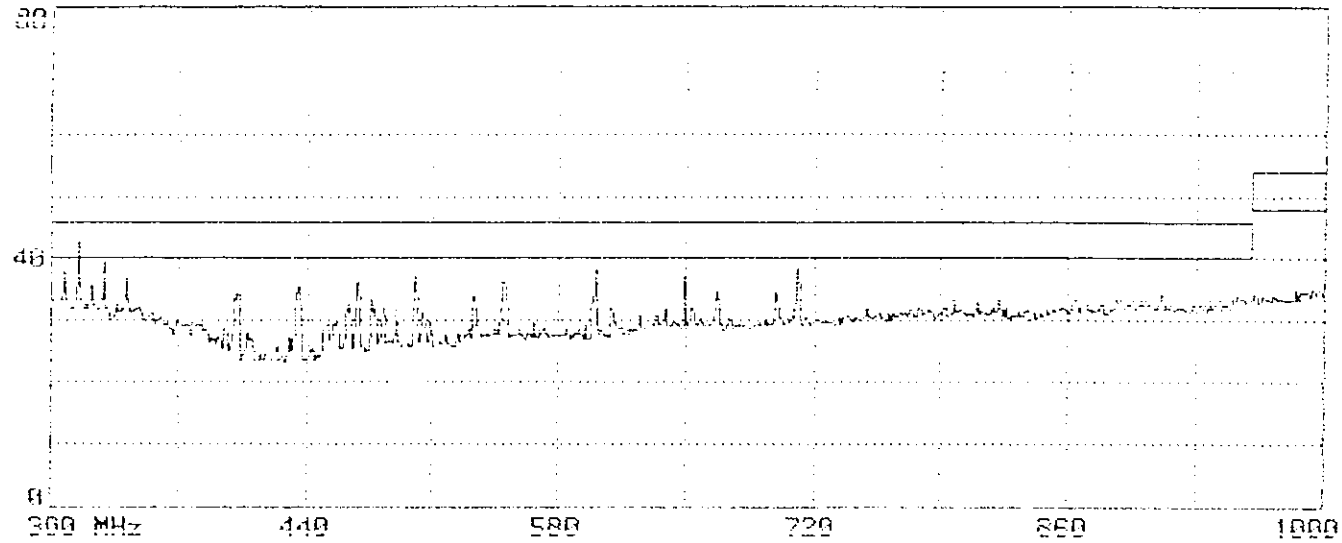
Limit : FCC CLASS-B 3m Probe: BBA9168B(A3)1223 HORIZONTAL
EUT : 17" MONITOR M/N:TX-D7S36NM Power : 120Vac/60Hz
Margin: 6dB Standard: 0 Trace: 2125, 0, 0, 0, 0
Memo : 64KHz(1280X1024;60Hz)1.8m0-SUB CABLE

Page#: 2126 SP File#: MATSUSHI.EI Date: 04-01-1998 Time: 15:38:21
dBuV/m ANECHOIC CHAMBER TAIWAN TOKIN EMC ENG. CORP.



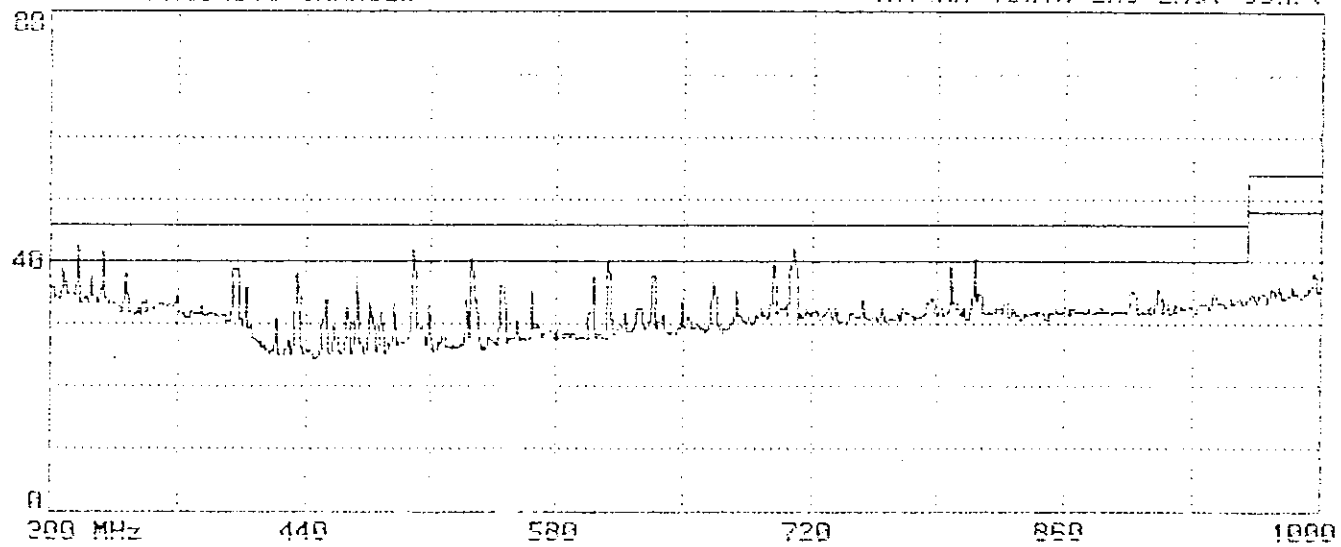
Limit : FCC CLASS-B 3m Probe: BBA9168B(A3)1223 VERTICAL
EUT : 17" MONITOR M/N:TX-D7S36NM Power : 120Vac/60Hz
Margin: 6dB Standard: 0 Trace: 2126, 0, 0, 0, 0
Memo : 64KHz(1280X1024;60Hz)1.8m0-SUB CABLE

Page#: 2123 SP File#: MATSUSHI.EI Date: 04-01-1998 Time: 15:33:26
dBuV/m ANECHOIC CHAMBER TAIWAN TOKIN EMC ENG. CORP.



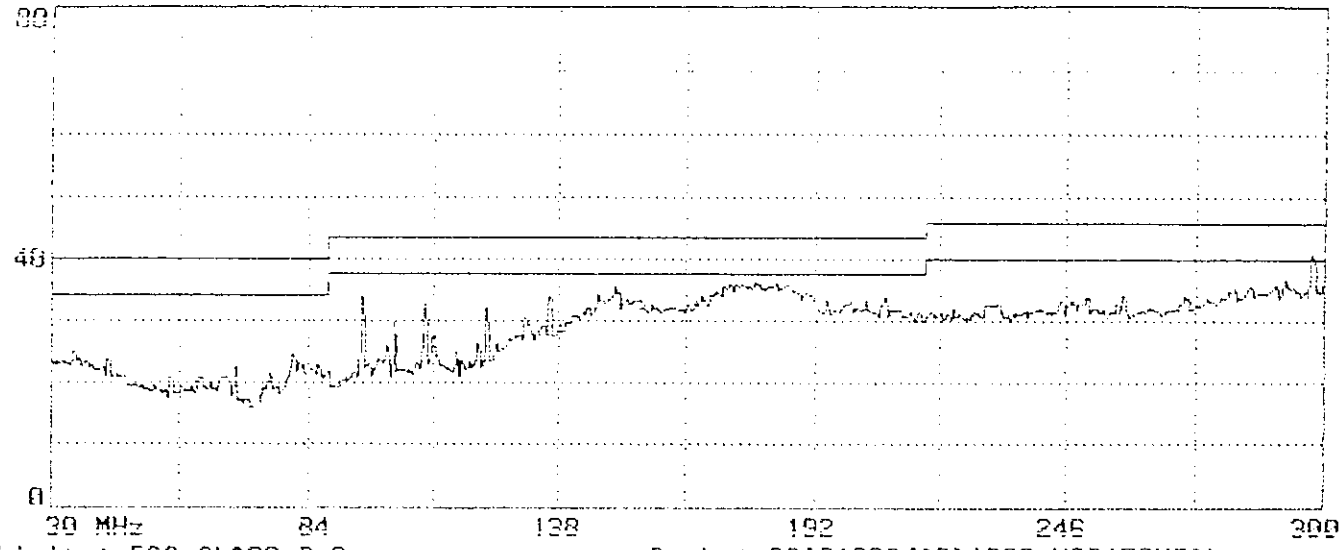
Limit : FCC CLASS-B 3m Probe: UHALP9107B(03)1223 HORIZONTAL
EUT : 17" MONITOR M/N:TX-D7336HM Power : 120Vac/60Hz
Margin: 6dB Standard: 0 Trace: 2123, 0, 0, 0, 0
Memo : 64KHz(1280X1024;60Hz)1.8mD-SUB CABLE

Page#: 2124 SP File#: MATSUSHI.EI Date: [illegible]-1998 Time: 15:34:29
dBuV/m ANECHOIC CHAMBER TAIWAN TOKIN EMC ENG. CORP.



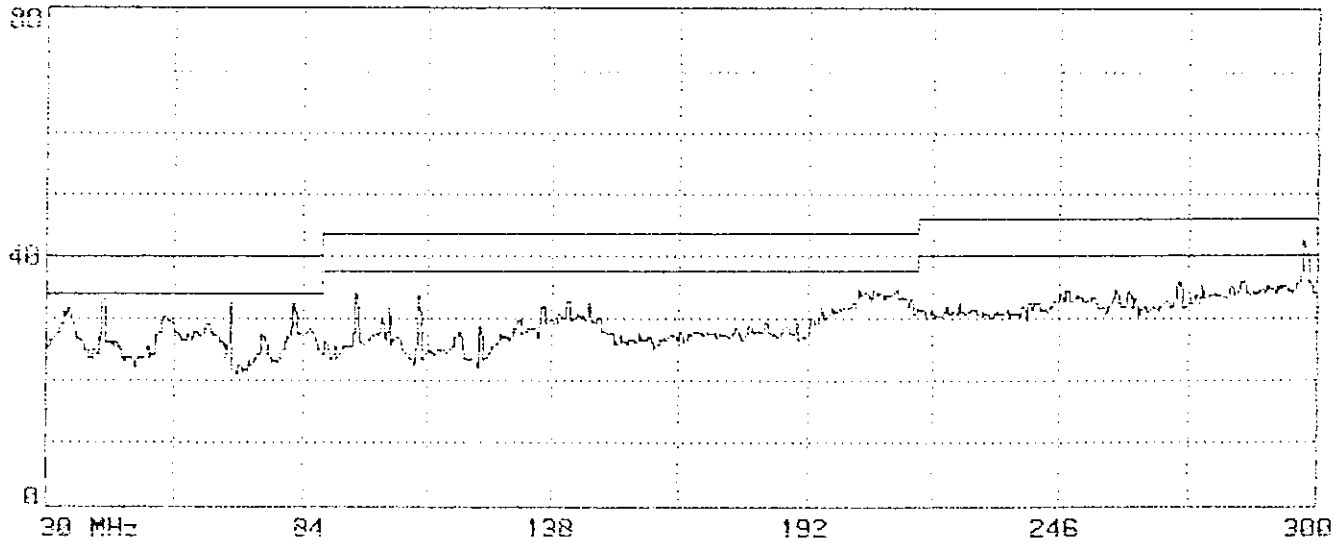
Limit : FCC CLASS-B 3m Probe: UHALP9107B(03)1223 VERTICAL
EUT : 17" MONITOR M/N:TX-D7336HM Power : 120Vac/60Hz
Margin: 6dB Standard: 0 Trace: 2124, 0, 0, 0, 0
Memo : 64KHz(1280X1024;60Hz)1.8mD-SUB CABLE

Page#: 2127 SP File#: MATSUSHI.EI Date: 04-01-1998 Time: 15:41:54
dBuV/m ANECHOIC CHAMBER TAIWAN TOKIN EMC ENG. CORP.



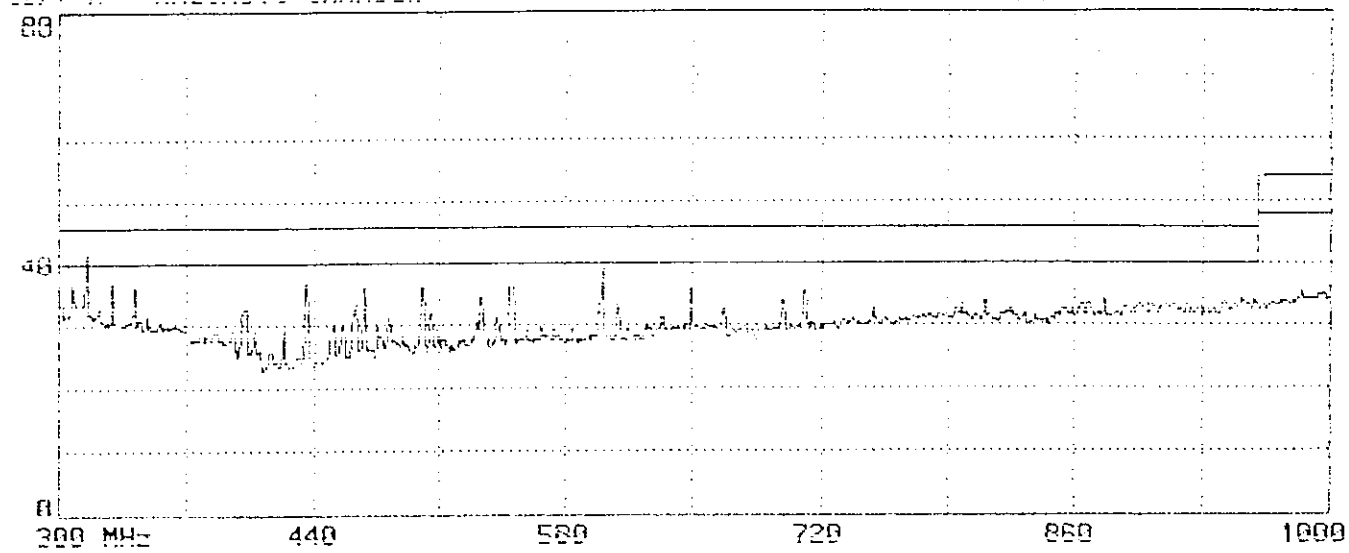
Limit : FCC CLASS-B 3m Probe: BBA91868(03)1223 HORIZONTAL
EUT : 17" MONITOR M/N:TX-D7336NM Power : 120Vac/60Hz
Margin: 6dB Standard: 0 Trace: 2127, 0, 0, 0, 0
Memo : 64KHz(1280X1024;60Hz)3mD-SUB CABLE

Page#: 2128 SP File#: MATSUSHI.EI Date: 04-01-1998 Time: 15:42:47
dBuV/m ANECHOIC CHAMBER TAIWAN TOKIN EMC ENG. CORP.



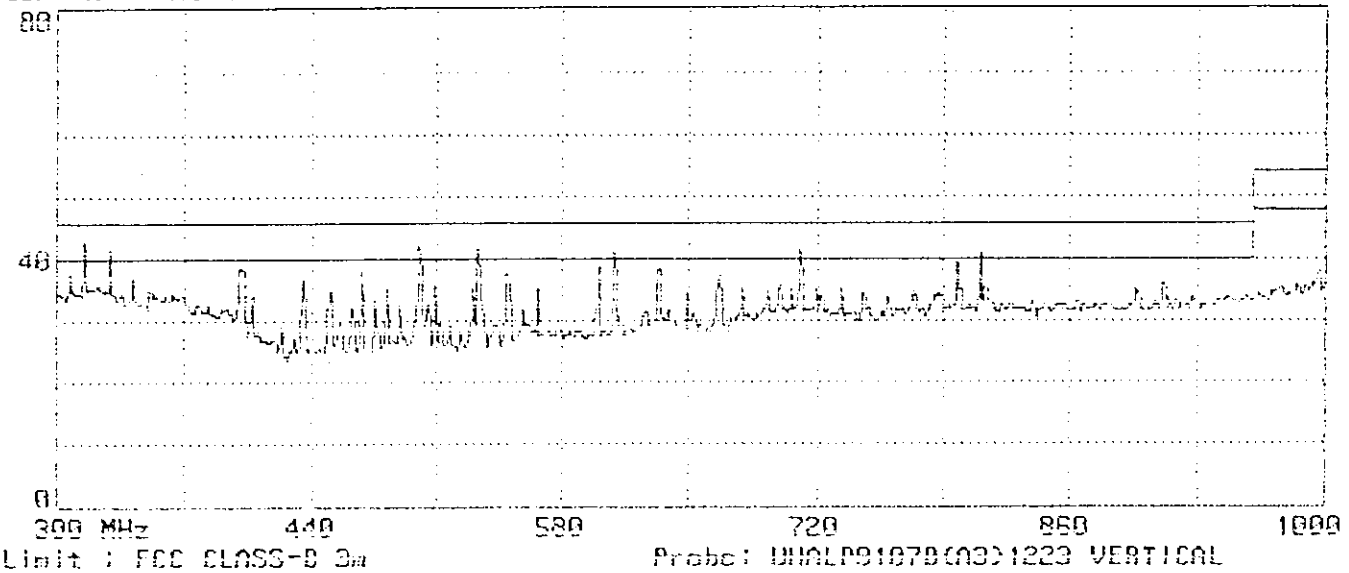
Limit : FCC CLASS-B 3m Probe: BBA91868(03)1223 VERTICAL
EUT : 17" MONITOR M/N:TX-D7336NM Power : 120Vac/60Hz
Margin: 6dB Standard: 0 Trace: 2128, 0, 0, 0, 0
Memo : 64KHz(1280X1024;60Hz)3mD-SUB CABLE

Page#: 2129 SP File#: MATSUSH1.EI Date: 04-01-1998 Time: 15:44:51
dBuV/m ANECHOIC CHAMBER TAIWAN TOKIN EMC ENG. CORP.



Limit : FCC CLASS-B 3m Probe: UHALP9107B(03)1223 HORIZONTAL
EUT : 17" MONITOR M/N:TX-D7S36NM Power : 120Vac/60Hz
Margin: 6d8 Standard: 0 Trace: 2129, 0, 0, 0, 0
Memo : 64KHz(1280X1024;60Hz)3m0-SUB CABLE

Page#: 2130 SP File#: MATSUSH1.EI Date: 04-01-1998 Time: 15:45:59
dBuV/m ANECHOIC CHAMBER TAIWAN TOKIN EMC ENG. CORP.



Limit : FCC CLASS-B 3m Probe: UHALP9107B(03)1223 VERTICAL
EUT : 17" MONITOR M/N:TX-D7S36NM Power : 120Vac/60Hz
Margin: 6d8 Standard: 0 Trace: 2130, 0, 0, 0, 0
Memo : 64KHz(1280X1024;60Hz)3m0-SUB CABLE