

EXHIBIT 5

Test Report

APPLICATION FOR CERTIFICATION
On Behalf of
Matsushita Electric Industrial Co., Ltd.
17" Multi-Scan Color Monitor

Model : (1)TX-T7S37* (2)M-T7S37*

FCC ID : ACJ92512128

Prepared for : Matsushita Electric Industrial Co., Ltd.
One Panasonic Way, Panazip 4B-8,
Secaucus, NJ 07094, U.S.A.

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File Number : ATM-G99216
Report Number : TTEMC-F99068
Date of Test : May. 10 ~ 11, 1999
Date of Report : May. 13, 1999

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TEST REPORT CERTIFICATION

Applicant : Matsushita Electric Industrial Co., Ltd.
 Manufacturer : Matsushita Electric (Taiwan) Co., Ltd.
 FCC ID : ACJ92512128
 EUT Description : 17" Multi-Scan Color Monitor
 (A) MODEL NO. : (1)TX-T7S37* (2)M-T7S37*
 (B) SERIAL NO. : TB9230045
 (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

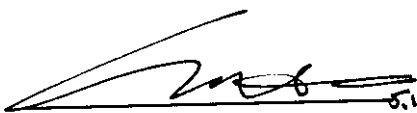
The device described above was tested by TAIWAN TOKIN EMC ENG. CORP. to determine the maximum emission levels emanating from the device. The maximum emission levels were compared to the FCC Part 15B Class B limits both radiated and conducted emissions.

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.

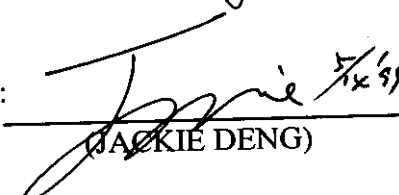
This report applied to above tested sample only. This report shall not be reproduced in part without written approval of Taiwan Tokin EMC Eng. corp.

The test results in this test report are traceable to national or international standards.

Date of Test : May. 10 ~ 11, 1999

Prepared by :  5/12/99
 (SHELENE HOU)

Test Engineer :  5/14/99
 (ALLEN WANG)

Approve & Authorized Signer :  5/14/99
 (JACKIE DENG)

1. GENERAL INFORMATION

1.1. Description of Device (EUT)

Description	:	17" Multi-Scan Color Monitor
Model Number	:	(1)TX-T7S37* (2)M-T7S37*
		The model (1) is for Panasonic, (2) is for OEM manufacturer and the "*" may be numeral 1 to 9 or alphabet A to Z.
Serial Number	:	TB9230045
Applicant	:	Matsushita Electric Industrial Co., Ltd. One Panasonic Way, Panazip 4B-8, Secaucus, NJ 07094, U.S.A.
Manufacturer	:	Matsushita Electric (Taiwan) Co., Ltd. 579 Yuan San Road, Chung-Ho, Taipei Hsien 23506, Taiwan, R.O.C.
CRT	:	Panasonic, M/N 41LQU480X11
Data Cable	:	Shielded, Detachable, 1.5m Bonded two ferrite cores
Power Cord	:	Non-Shielded, Detachable, 1.8m
Date of Sample Received	:	May. 07, 1999
Type of Sample Tested	:	Engineering Sample
Date of Test	:	May. 10 ~ 11, 1999

1.2. Tested Supporting System Details

1.2.1. PERSONAL COMPUTER

Model Number	:	PC763
Serial Number	:	TA421U7881
FCC ID	:	AO9-PC76X
Manufacturer	:	Digital
Switching Power	:	Astec
Supply	:	M/N SA-201-3440
Floppy Driver	:	Teac Corp.
3.5"	:	M/N FD-235HF
VGA Card	:	Sixgraph Computing Ltd. M/N Wiz 924 S/N 189477 FCC ID JYOWIZ01
Disk Ctrl Card	:	Within Mother Board
Serial/Parallel Card	:	Within Mother Board
Power Cord	:	Non-Shielded, Detachable, 1.8m

1.2.2. KEYBOARD

Model Number	:	5121
Serial Number	:	J83300809
FCC ID	:	E5XKBM104M10UC
Manufacturer	:	Behavior Tech Computer Corp.
Data Cable	:	Shielded, Undetachable, 1.0m

1.2.3. PRINTER

Model Number	:	2225C+
Serial Number	:	3123S97227
FCC ID	:	DSI6XU2225
Manufacturer	:	Hewlett Packard
Power Adapter	:	Kani, Model AD-09
	:	Non-Shielded, Detachable, 2.0m
Data Cable	:	Shielded, Detachable, 1.2m

1.2.4. MODEM #1

Model Number	:	DM-1414
Serial Number	:	980034382
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	:	980034381
FCC ID	:	IFAXDM1414
Manufacturer	:	Aceex
Data Cable	:	Shielded, Detachable, 1.2m
Power Adapter	:	Amigo, Model AM-91000A
		Non-Shielded, Undetachable, 1.8m

1.2.6. MOUSE

Model Number	:	M-S35
Serial Number	:	LZA82103124
FCC ID	:	DZL211029
Manufacturer	:	Logitech
Data Cable	:	Non-Shielded, Undetachable, 1.8m

1.3. Description of Test Facility

Site Description (No. 5 Open Site)	:	Feb. 13, 1998 File on Federal Communication Commission FCC Engineering Laboratory 7435 Oakland Mills Road Columbia, MD 21046, U.S.A.
Site Description (Anechoic Chamber)	:	Aug. 22, 1997 Re-file on Federal Communication Commission FCC Engineering Laboratory 7435 Oakland Mills Road Columbia, MD 21046, U.S.A.
Name of Firm	:	Taiwan Tokin EMC Eng. Corp.
Site Location	:	No. 53-11, Tin-Fu Tsun, Lin-Kou, Taipei Hsien, Taiwan, R.O.C.
NVLAP lab. Code	:	200077-0
DAR-Registration No.	:	DAT-P-092/99-00

2. POWERLINE CONDUCTED TEST

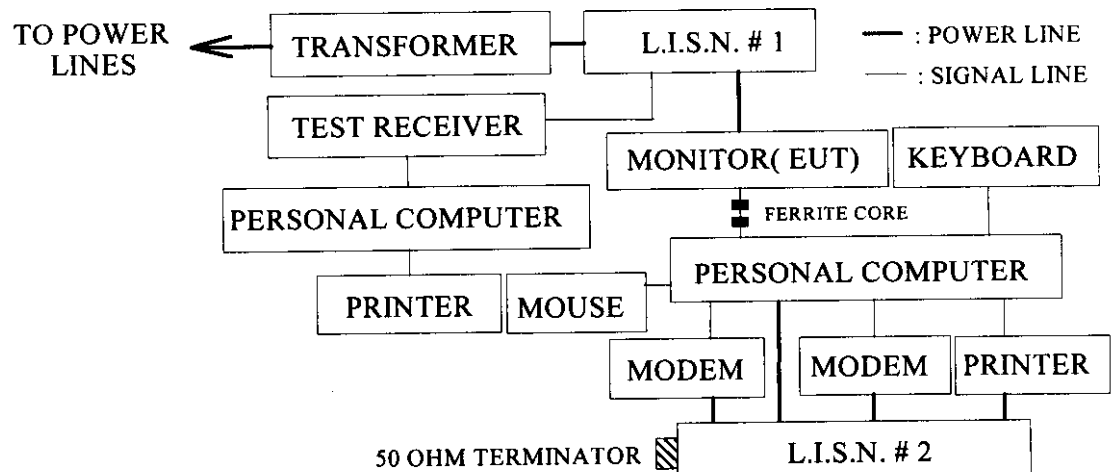
2.1. Test Equipment

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

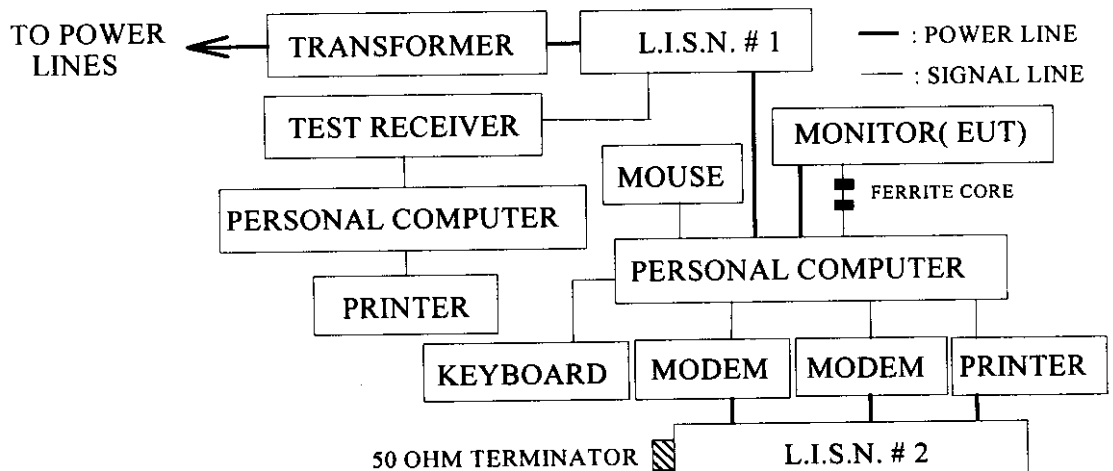
Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Test Receiver	Rohde & Schwarz	ESHS 10	844591/015	Jan.30, 99'	1 Year
2.	L.I.S.N. # 1	Kyoritsu	KNW-407	8-1370-9	Jun.03, 98'	1 Year
3.	L.I.S.N. # 2	Kyoritsu	KNW-407	8-1370-10	Jun.03, 98'	1 Year

2.2. Block Diagram of Test Setup

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



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



2.3. 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. 17" Multi-Scan Color Monitor (EUT)

Model Number	:	(1)TX-T7S37* (2)M-T7S37*
Serial Number	:	TB9230045
Manufacturer	:	Matsushita Electric (Taiwan) Co., Ltd.
CRT	:	Panasonic, M/N M41LQU480X11
Data Cable	:	Shielded, Detachable, 1.5m Bonded two ferrite cores
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 monitor (EUT) and the screen displayed and full with “H” pattern. (The software “Wintest” 98’ was used)

2.5.5. The other peripheral devices were driven 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 EUT is also connected to PC power outlet then the PC power cord connected to the power mains through a line impedance stabilization network (L.I.S.N # 1.). The other peripheral devices power cord connected to the power mains through a line impedance stabilization network (L.I.S.N. # 2). This provided a 50 ohm coupling impedance for the measuring equipment. (Please refer to the block diagram of the test setup and photographs.)

Both sides of A.C. line were checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipments and all of the interface cables were changed according to FCC ANSI C63.4-1992 on conducted measurement.

The bandwidth of the R&S Test Receiver ESHS 10 was set at 10KHz.

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

2.7. Line Conducted RF Voltage Measurement Results

PASSED.

The following test modes were done on conducted measurement and reported the worst test modes 5 & 10 in the next pages, the others test data are attached within Appendix I.

(Test Date : May. 10, 1999 Temperature : 22°C Humidity : 65 %)

(Test Date : May. 11, 1999 Temperature : 22°C Humidity : 64 %)

Mode	Frequency Resolution	EUT Power	Reference Data #
1.	37.9KHz / 640*480	Connect to L.I.S.N	# 176, 177
2.	48.1KHz / 800*600	Connect to L.I.S.N	# 179, 178
3.	58KHz / 1024*768	Connect to L.I.S.N	# 180, 181
4.	61.6KHz / 1280*960	Connect to L.I.S.N	# 183, 182
※ 5.	66KHz / 1280*1024	Connect to L.I.S.N	# 184 (185), 186 (187)
6.	37.9KHz / 640*480	Connect to PC	# 231, 230
7.	48.1KHz / 800*600	Connect to PC	# 232, 233
8.	58KHz / 1024*768	Connect to PC	# 235, 234
9.	61.6KHz / 1280*960	Connect to PC	# 236, 237
※ 10.	66KHz / 1280*1024	Connect to PC	# 238 (239), 240 (241)

TOKIN

TAIWAN TOKIN EMC ENG. CORP.

Test Site:

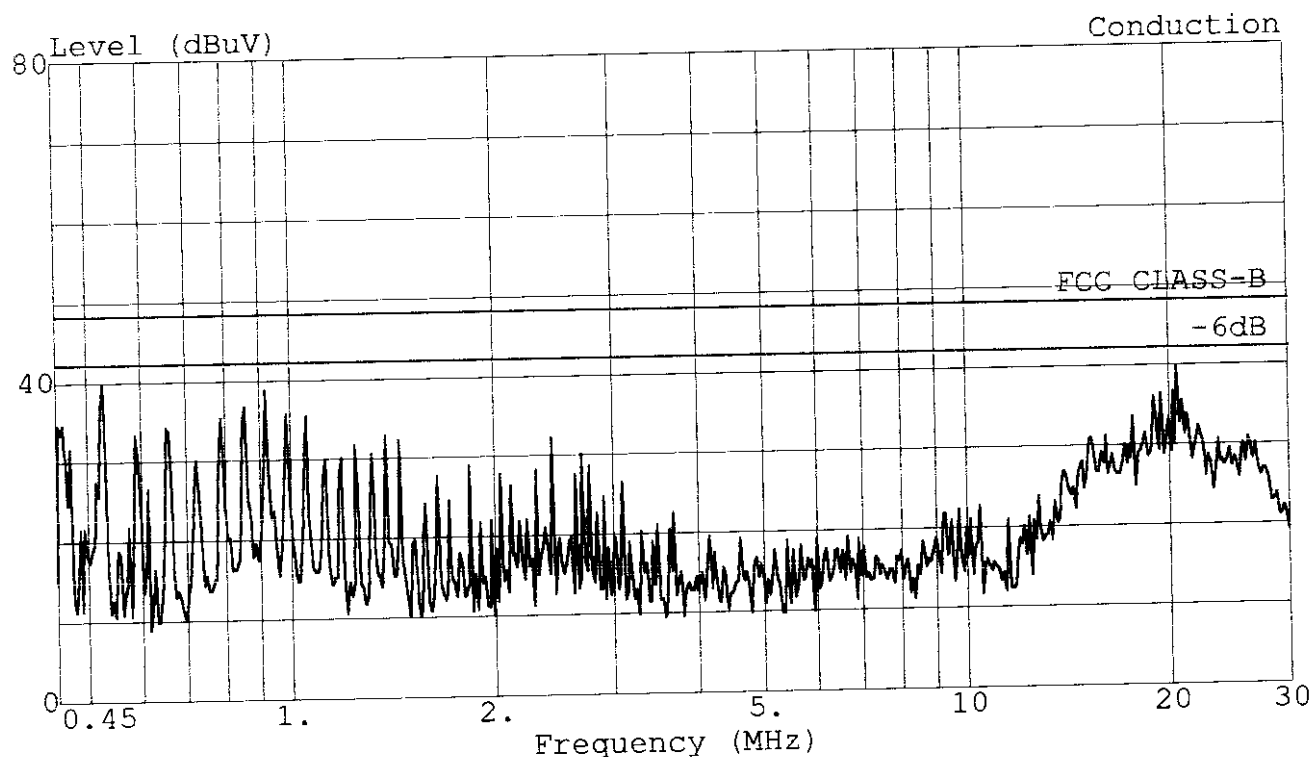
#53-11 Tingfu Tsun, Linkou,

Taipei, Taiwan R.O.C.

Tel:02-26092133 Fax:02-26099303

Data#: 184 File#: MATSUSHI.EMI

Date: 1999-05-10 Time: 13:47:09



Trace:

Limit: FCC CLASS-B Probe: LISN(FCC)8-1370-10 NEUTRAL

EUT : 17" MULTI-SCAN COLOR MONITOR

Power: 120Vac/60Hz

Memo : M/N:TX-T7S37*/M-T7S37*

: 1280*1024;66KHz

: EUT TO LISN

Ref Trace:

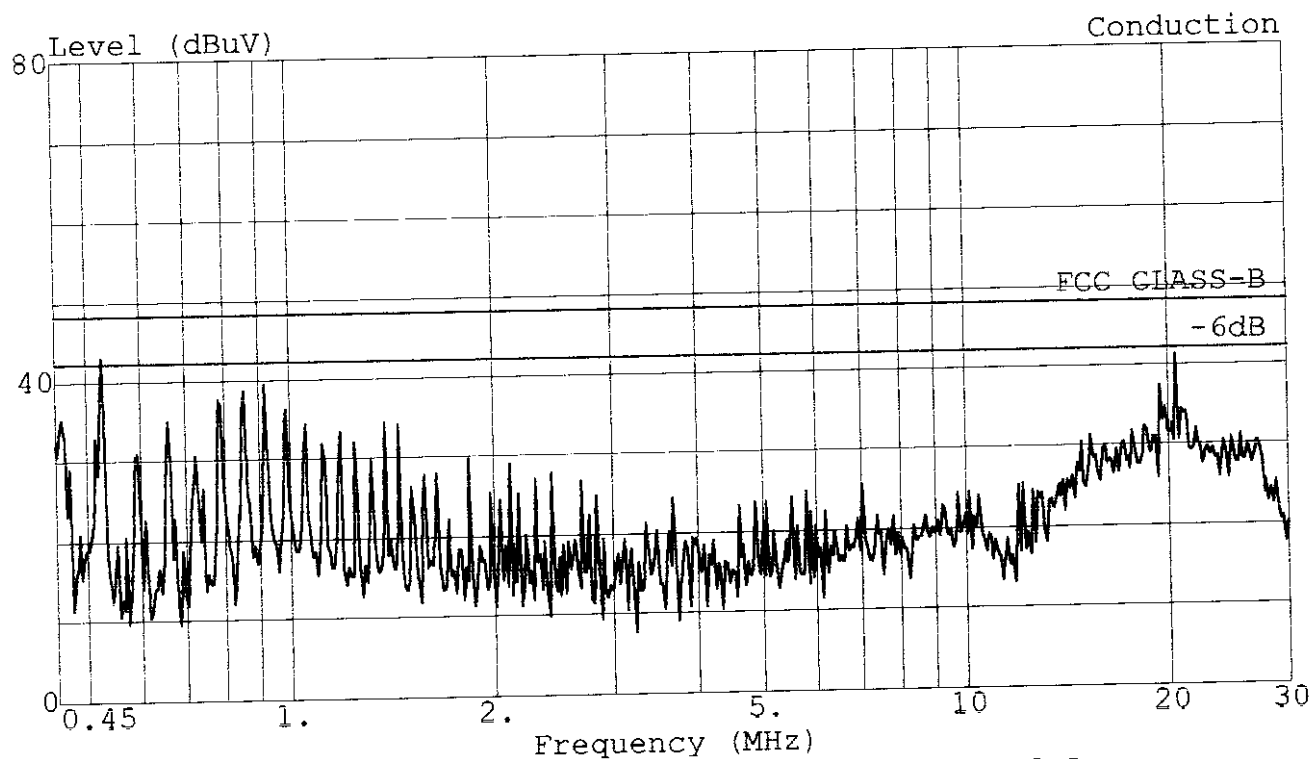
TOKIN

TAIWAN TOKIN EMC ENG. CORP.

Test Site:
#53-11 Tingfu Tsun, Linkou,
Taipei, Taiwan R.O.C.
Tel:02-26092133 Fax:02-26099303

Data#: 186 File#: MATSUSHI.EMI

Date: 1999-05-10 Time: 13:53:12



Trace:
Limit: FCC CLASS-B Probe: LISN(FCC)8-1370-10 LINE
EUT : 17" MULTI-SCAN COLOR MONITOR
Power: 120Vac/60Hz
Memo : M/N:TX-T7S37*/M-T7S37*
: 1280*1024;66KHz
: EUT TO LISN

Ref Trace:

TOKIN

TAIWAN TOKIN EMC ENG. CORP.

Test Site:

#53-11 Tingfu Tsun, Linkou,

Taipei, Taiwan R.O.C.

Tel:02-26092133 Fax:02-26099303

Data#: 185 File#: MATSUSHI.EMI

Date: 1999-05-10 Time: 13:51:30

Conduction

Limit: FCC CLASS-B Probe: LISN(FCC)8-1370-10 NEUTRAL

EUT : 17" MULTI-SCAN COLOR MONITOR

Power: 120Vac/60Hz

Memo : M/N:TX-T7S37*/M-T7S37*

: 1280*1024;66KHz

: EUT TO LISN

Page: 1

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark
	MHz	dB	dB	dB	dB	dB	dB	dB	
1	0.526	39.23	-8.77	48.00	39.09	0.10	0.04	0.00	QP
2	0.923	38.39	-9.61	48.00	38.24	0.10	0.05	0.00	QP
3	1.450	32.09	-15.91	48.00	31.94	0.10	0.05	0.00	QP
4	3.096	25.52	-22.48	48.00	25.37	0.10	0.05	0.00	QP
5	10.474	21.00	-27.00	48.00	20.79	0.16	0.06	0.00	QP
6	20.625	40.70	-7.30	48.00	40.22	0.28	0.20	0.00	QP

Data#: 187 File#: MATSUSHI.EMI

Date: 1999-05-10 Time: 13:57:45

Conduction

Limit: FCC CLASS-B Probe: LISN(FCC)8-1370-10 LINE

EUT : 17" MULTI-SCAN COLOR MONITOR

Power: 120Vac/60Hz

Memo : M/N:TX-T7S37*/M-T7S37*

: 1280*1024;66KHz

: EUT TO LISN

Page: 1

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark
	MHz	dB	dB	dB	dB	dB	dB	dB	
1	0.525	39.39	-8.61	48.00	39.25	0.10	0.04	0.00	QP
2	0.923	38.67	-9.33	48.00	38.52	0.10	0.05	0.00	QP
3	1.846	28.54	-19.46	48.00	28.39	0.10	0.05	0.00	QP
4	3.624	28.08	-19.92	48.00	27.93	0.10	0.05	0.00	QP
5	6.984	22.35	-25.65	48.00	22.19	0.11	0.05	0.00	QP
6	20.623	41.56	-6.44	48.00	41.08	0.28	0.20	0.00	QP

TOKIN

TAIWAN TOKIN EMC ENG. CORP.

Test Site:

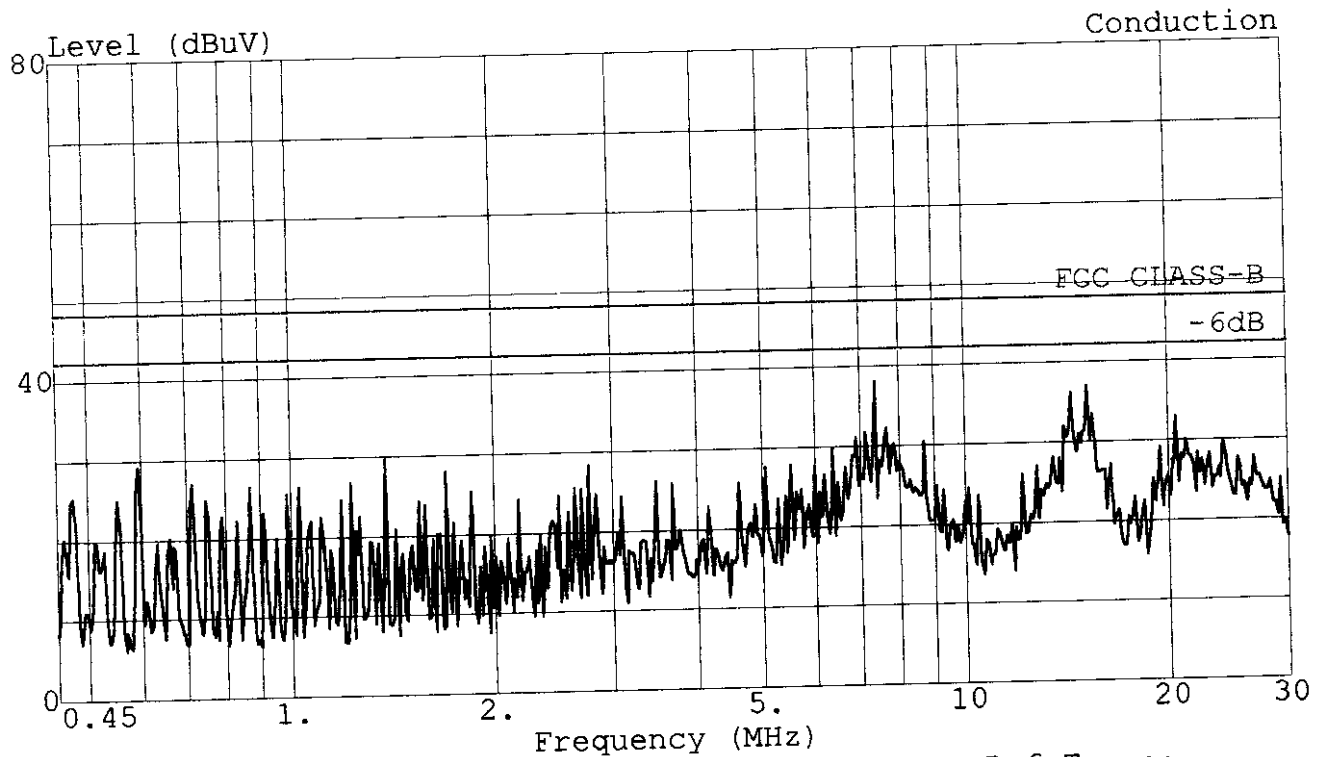
#53-11 Tingfu Tsun, Linkou,

Taipei, Taiwan R.O.C.

Tel:02-26092133 Fax:02-26099303

Data#: 238 File#: MATSUSHI.EMI

Date: 1999-05-11 Time: 11:27:53



Trace:

Limit: FCC CLASS-B Probe: LISN(FCC)8-1370-10 NEUTRAL

EUT : 17" MULTI-SCAN COLOR MONITOR

Power: 120Vac/60Hz

Memo : M/N:TX-T7S37*/M-T7S37*

: 1280*1024;66KHz

: EUT TO PC

Ref Trace:

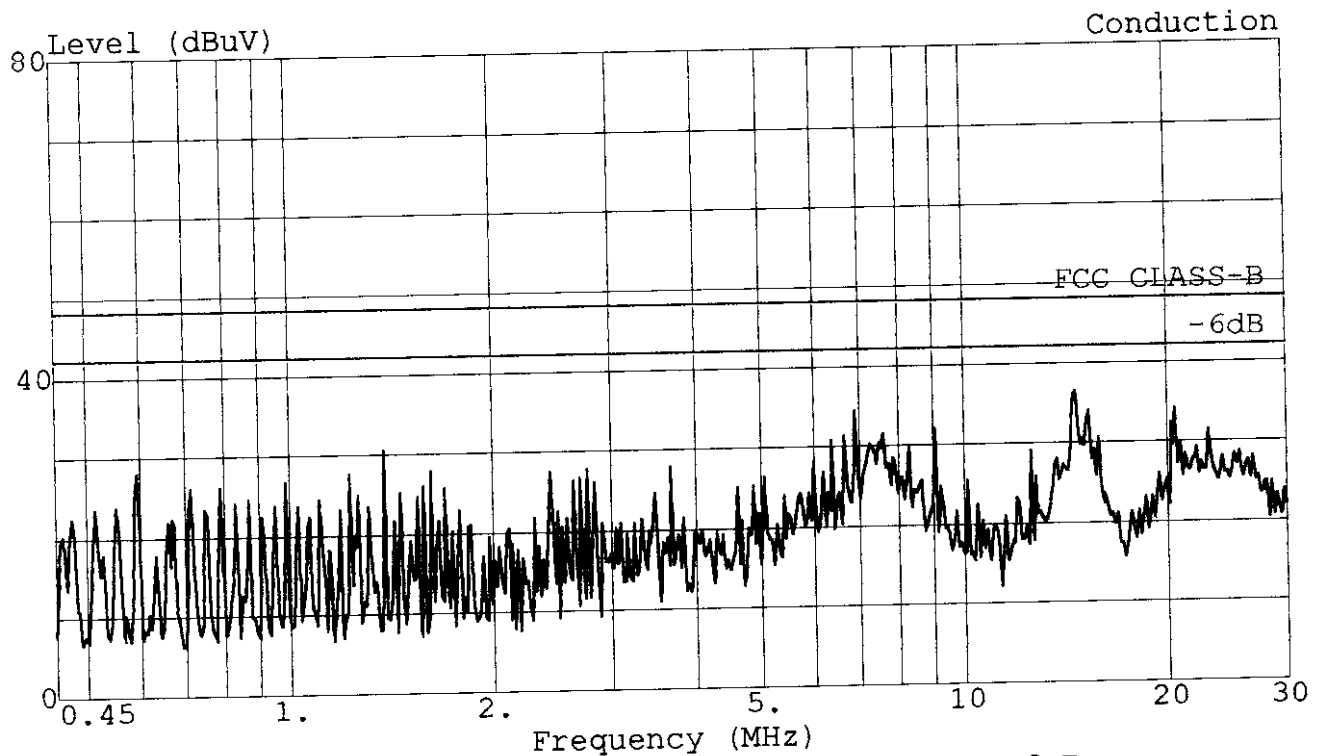
TOKIN

TAIWAN TOKIN EMC ENG. CORP.

Test Site:
#53-11 Tingfu Tsun, Linkou,
Taipei, Taiwan R.O.C.
Tel:02-26092133 Fax:02-26099303

Data#: 240 File#: MATSUSHI.EMI

Date: 1999-05-11 Time: 11:32:28



Trace:
Limit: FCC CLASS-B Probe: LISN(FCC)8-1370-10 LINE
EUT : 17" MULTI-SCAN COLOR MONITOR
Power: 120Vac/60Hz
Memo : M/N:TX-T7S37*/M-T7S37*
: 1280*1024;66KHz
: EUT TO PC

Ref Trace:

TOKIN

TAIWAN TOKIN EMC ENG. CORP.

Test Site:
#53-11 Tingfu Tsun, Linkou,
Taipei, Taiwan R.O.C.
Tel:02-26092133 Fax:02-26099303

Data#: 239 File#: MATSUSHI.EMI Date: 1999-05-11 Time: 11:31:28
Conduction
Limit: FCC CLASS-B Probe: LISN(FCC)8-1370-10 NEUTRAL
EUT : 17" MULTI-SCAN COLOR MONITOR
Power: 120Vac/60Hz
Memo : M/N:TX-T7S37*/M-T7S37*
: 1280*1024;66KHz
: EUT TO PC

Page: 1

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark
	MHz	dB	dB	dB	dB	dB	dB	dB	
1	0.594	28.06	-19.94	48.00	27.92	0.10	0.04	0.00	QP
2	1.384	28.99	-19.01	48.00	28.84	0.10	0.05	0.00	QP
3	2.768	24.99	-23.01	48.00	24.84	0.10	0.05	0.00	QP
4	7.380	33.16	-14.84	48.00	33.00	0.11	0.05	0.00	QP
5	15.218	33.42	-14.58	48.00	33.11	0.20	0.10	0.00	QP
6	20.555	31.43	-16.57	48.00	30.96	0.27	0.20	0.00	QP

Data#: 241 File#: MATSUSHI.EMI Date: 1999-05-11 Time: 11:36:49
Conduction
Limit: FCC CLASS-B Probe: LISN(FCC)8-1370-10 LINE
EUT : 17" MULTI-SCAN COLOR MONITOR
Power: 120Vac/60Hz
Memo : M/N:TX-T7S37*/M-T7S37*
: 1280*1024;66KHz
: EUT TO PC

Page: 1

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark
	MHz	dB	dB	dB	dB	dB	dB	dB	
1	0.594	28.00	-20.00	48.00	27.86	0.10	0.04	0.00	QP
2	1.386	29.64	-18.36	48.00	29.49	0.10	0.05	0.00	QP
3	2.436	26.55	-21.45	48.00	26.40	0.10	0.05	0.00	QP
4	6.917	33.31	-14.69	48.00	33.15	0.11	0.05	0.00	QP
5	14.627	33.65	-14.35	48.00	33.36	0.20	0.10	0.00	QP
6	20.555	31.57	-16.43	48.00	31.10	0.27	0.20	0.00	QP

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 :

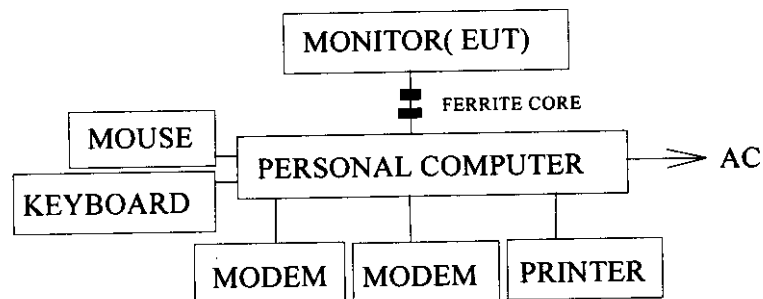
Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum Analyzer	HP	8593A	3212A01727	Jul.25, 98'	1 Year
2.	Pre-Amplifier	HP	8447D	2944A06305	Dec.09, 98'	1 Year
3.	Broadband Antenna	Schwarzbeck	BBA9106	A3L	Dec.09, 98'	1 Year
4.	Log Periodic Antenna	Schwarzbeck	UHALP9108-A	0139	Dec.09, 98'	1 Year

3.1.2. For No. 5 Open Site :

Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Test Receiver	Rohde&Schwarz	ESVS10	849231/017	Nov.26, 98'	1 Year
2.	Biconical Antenna	Chase	VBA6106A	1264	Nov.05, 98'	1 Year
3.	Log Periodic Antenna	Chase	UPA6109	1064	Feb.15, 99'	1 Year

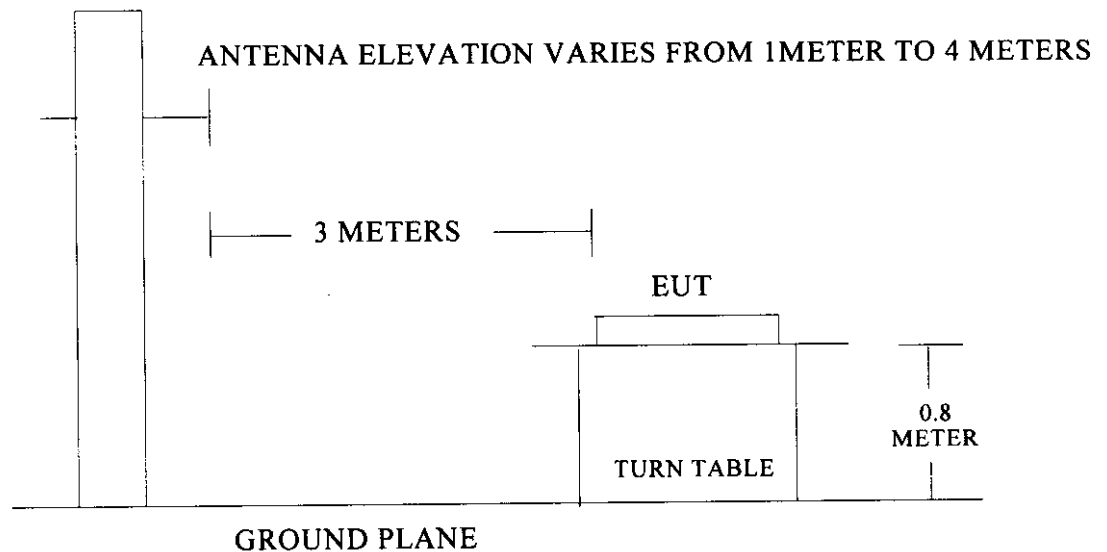
3.2. Block Diagram of Test Setup

3.2.1. Block Diagram of connection between EUT and simulators



3.2.2. Anechoic Chamber & Open Field Test Site Setup Diagram

ANTENNA TOWER



3.3. Radiation Limit (CLASS B)

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

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

3.4. EUT's Configuration during Compliance Measurement

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

3.5. Operating Condition of EUT

Same as conducted measurement which is listed in 2.5.

3.6. Test Procedure

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

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

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

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

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

Finally, re-measured the each worst operating situation (66KHz/1280*1024) at No. 5 Open Field Test Site and all the test results are listed in section 3.7.

3.7. Radiated Emission Measurement Results

PASSED. All the emissions not reported below were too low against the FCC CLASS B limit.

Date of Test : May. 11, 1999 Temperature : 25.8°C
 EUT : 17" Multi-Scan Color Monitor Humidity : 61%
 Test Mode : 66KHz/1280*1024

Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading		Emission Level		Margin dB
			Horizontal dBuV		Horizontal dBuV/m	Limits dBuV/m	
34.404	21.37	1.05	- 0.65		21.77	40.00	18.23
55.061	13.59	1.33	0.93		15.85	40.00	24.15
75.717	12.95	1.54	10.49		24.98	40.00	15.02
110.119	18.64	1.86	2.30		22.80	43.50	20.70
130.813	19.78	2.04	2.20		24.02	43.50	19.48
151.469	20.43	2.21	4.69		27.33	43.50	16.17
185.858	21.35	2.46	3.18		26.99	43.50	16.51
254.712	23.60	2.96	- 1.32		25.24	46.00	20.76
330.479	15.93	3.40	9.59		28.92	46.00	17.08
385.562	17.31	3.67	3.32		24.30	46.00	21.70
440.645	17.74	3.92	6.98		28.64	46.00	17.36
* 550.797	20.08	4.44	14.33		38.85	46.00	7.15
660.964	20.97	4.92	8.40		34.29	46.00	11.71
771.168	21.98	5.42	2.98		30.38	46.00	15.62
805.595	22.13	5.54	1.22		28.89	46.00	17.11

- Remark :
1. All reading were Quasi-Peak values.
 2. The worst emission was detected at 550.797MHz with corrected signal level of 38.85dBuV/m (limit was 46.0dBuV/m) when the antenna was at horizontal polarization and was at 1.3m high and the turn table was at 183° .
 3. 0° is the table front facing the antenna. Degree was calculated from 0° clockwise facing the antenna.

Date of Test : May. 11, 1999 Temperature : 25.8°C

EUT : 17" Multi-Scan Color Monitor Humidity : 61%

Test Mode : 66KHz/1280*1024

Frequency MHz	Antenna		Cable		Meter Reading		Emission Level	
	Factor dB/m	Loss dB	Vertical dBuV	Vertical dBuV/m	Limits dBuV/m	Margin dB		
34.455	21.81	1.05	6.81	29.67	40.00	10.33		
55.087	13.94	1.33	8.86	24.13	40.00	15.87		
68.858	12.97	1.48	11.97	26.42	40.00	13.58		
75.743	13.52	1.54	11.79	26.85	40.00	13.15		
110.144	18.49	1.86	4.89	25.24	43.50	18.26		
123.914	19.17	1.99	5.03	26.19	43.50	17.31		
151.469	21.23	2.21	2.77	26.21	43.50	17.29		
220.323	22.58	2.70	- 2.50	22.78	46.00	23.22		
261.636	24.08	2.98	- 1.61	25.45	46.00	20.55		
330.504	15.69	3.40	11.94	31.03	46.00	14.97		
385.587	16.11	3.67	7.06	26.84	46.00	19.16		
440.671	17.47	3.92	6.49	27.88	46.00	18.12		
461.326	17.93	4.05	5.46	27.44	46.00	18.56		
* 550.799	19.96	4.44	13.15	37.55	46.00	8.45		
660.978	20.56	4.92	11.64	37.12	46.00	8.88		
771.144	22.04	5.42	3.33	30.79	46.00	15.21		

- Remark :
1. All reading were Quasi-Peak values.
 2. The worst emission was detected at 550.799MHz with corrected signal level of 37.55dBuV/m (limit was 46dBuV/m) when the antenna was at vertical polarization and was at 1.4m high and the turn table was at 165° .
 3. 0° is the table front facing the antenna. Degree was calculated from 0° clockwise facing the antenna.

4. DEVIATIONS TO TEST SPECIFICATIONS

[NONE]

APPENDIX I

(Conducted Test Data)

TOKIN

TAIWAN TOKIN EMC ENG. CORP.

Test Site:

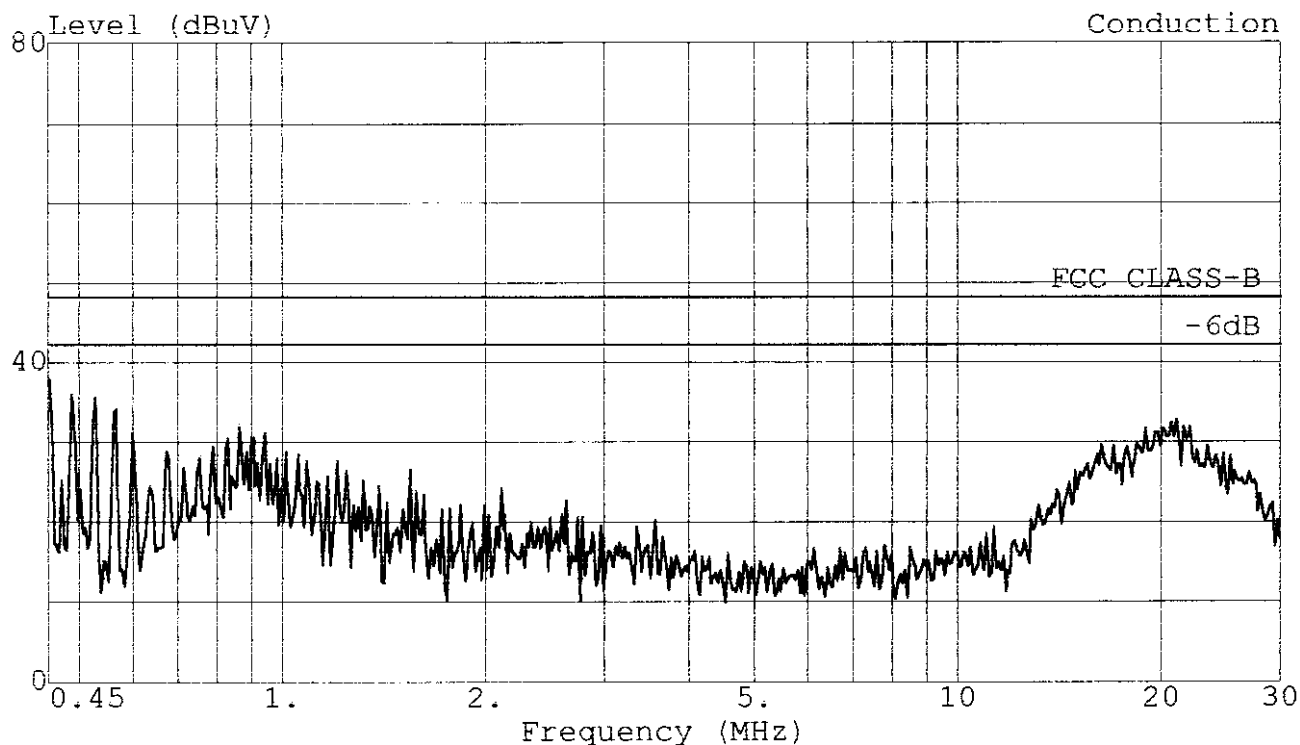
#53-11 Tingfu Tsun, Linkou,

Taipei, Taiwan R.O.C.

Tel:02-26092133 Fax:02-26099303

Data#: 176 File#: MATSUSHI.EMI

Date: 1999-05-10 Time: 13:34:40



Trace:

Limit: FCC CLASS-B

Probe: LISN(FCC)8-1370-10 NEUTRAL

Ref Trace:

EUT : 17" MULTI-SCAN COLOR MONITOR

Power: 120Vac/60Hz

Memo : M/N:TX-T7S37*/M-T7S37*

: 640*480;37.9KHz

: EUT TO LISN

TOKIN

TAIWAN TOKIN EMC ENG. CORP.

Test Site:

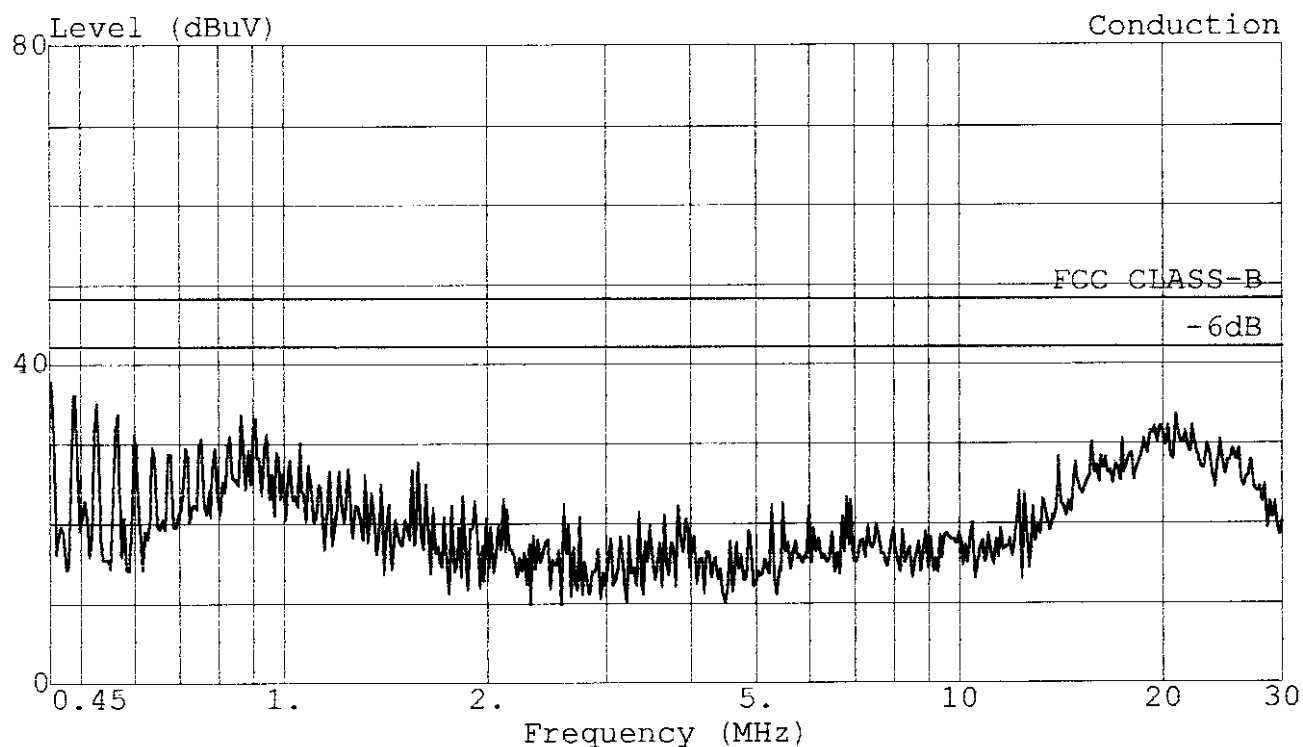
#53-11 Tingfu Tsun, Linkou,

Taipei, Taiwan R.O.C.

Tel:02-26092133 Fax:02-26099303

Data#: 177 File#: MATSUSHI.EMI

Date: 1999-05-10 Time: 13:35:21



Trace:

Ref Trace:

Limit: FCC CLASS-B Probe: LISN(FCC)8-1370-10 LINE

EUT : 17" MULTI-SCAN COLOR MONITOR

Power: 120Vac/60Hz

Memo : M/N:TX=T7S37*/M-T7S37*

: 640*480;37.9KHz

: EUT TO LISN

TOKIN

TAIWAN TOKIN EMC ENG. CORP.

Test Site:

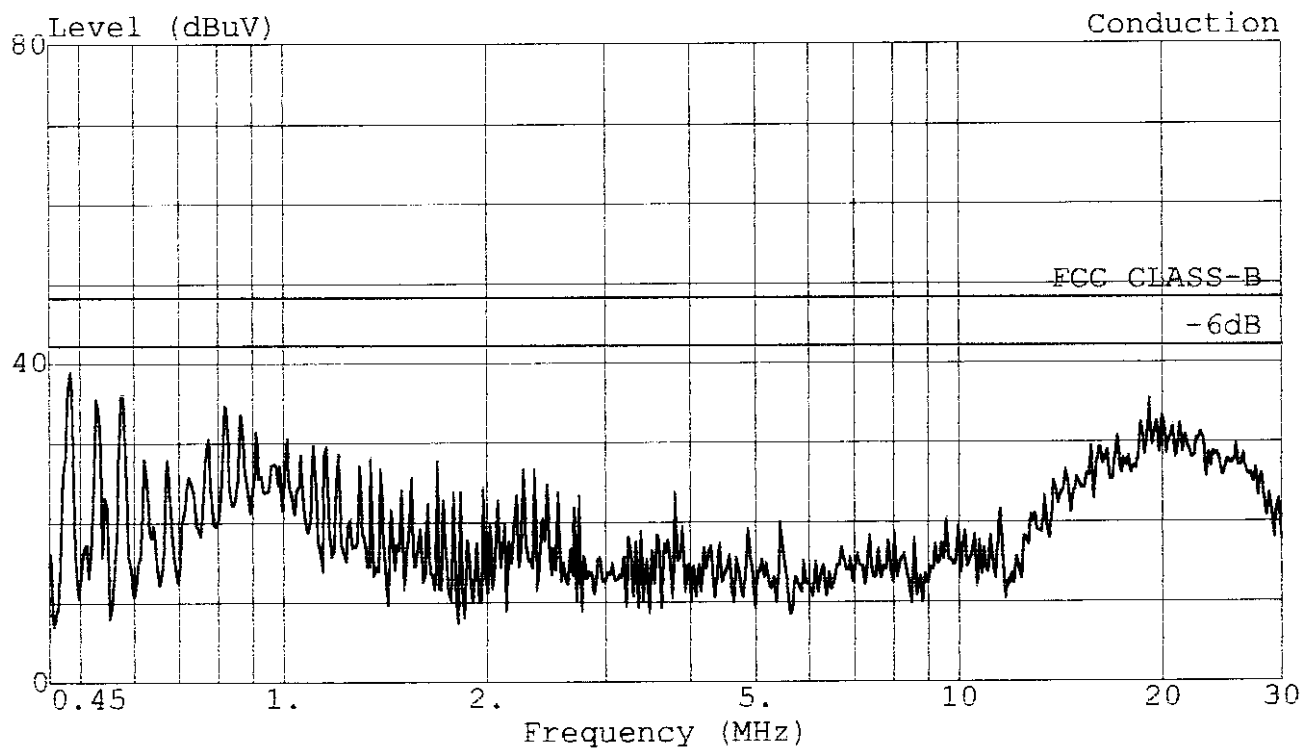
#53-11 Tingfu Tsun, Linkou,

Taipei, Taiwan R.O.C.

Tel:02-26092133 Fax:02-26099303

Data#: 179 File#: MATSUSHI.EMI

Date: 1999-05-10 Time: 13:40:28



Trace:

Ref Trace:

Limit: FCC CLASS-B Probe: LISN(FCC)8-1370-10 NEUTRAL

EUT : 17" MULTI-SCAN COLOR MONITOR

Power: 120Vac/60Hz

Memo : M/N:TX-T7S37*/M-T7S37*

: 800*600;48.1KHz

: EUT TO LISN

TOKIN

TAIWAN TOKIN EMC ENG. CORP.

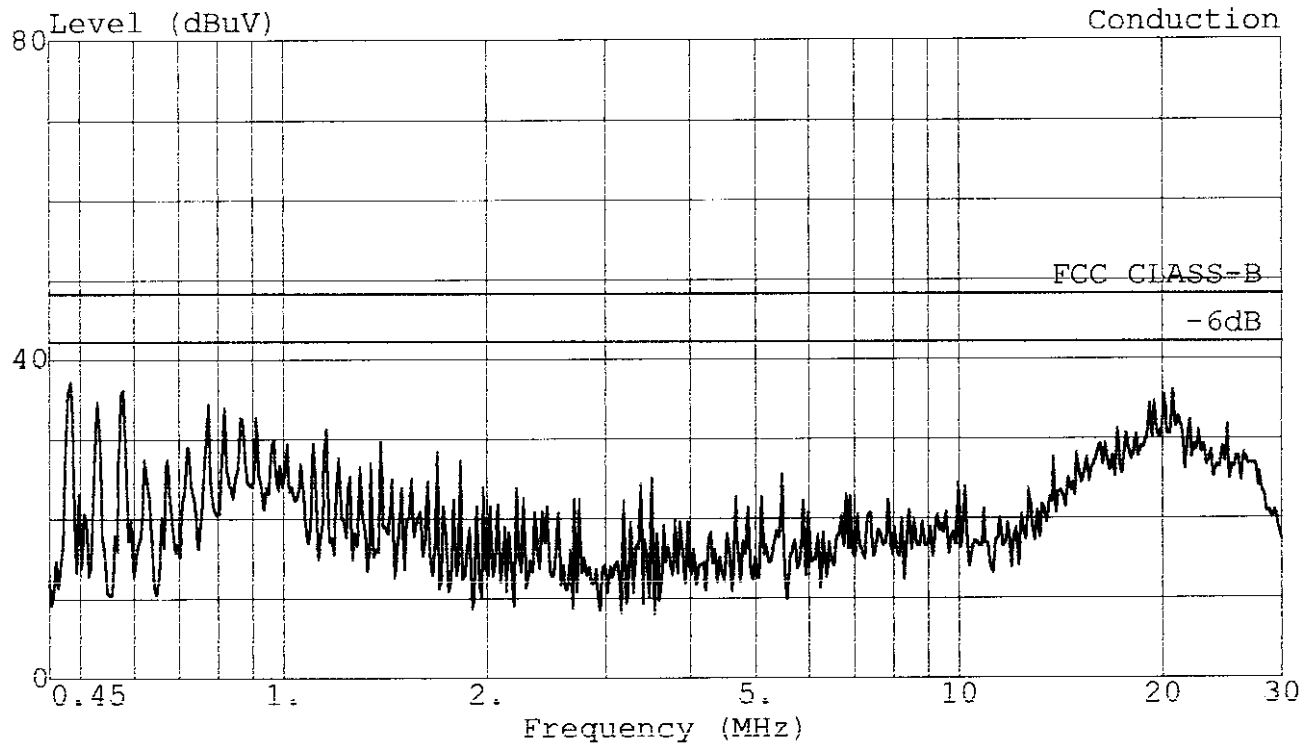
Test Site:

#53-11 Tingfu Tsun, Linkou,
Taipei, Taiwan R.O.C.

Tel:02-26092133 Fax:02-26099303

Data#: 178 File#: MATSUSHI.EMI

Date: 1999-05-10 Time: 13:39:55



Trace:

Limit: FCC CLASS-B Probe: LISN(FCC)8-1370-10 LINE

EUT : 17" MULTI-SCAN COLOR MONITOR

Power: 120Vac/60Hz

Memo : M/N:TX-T7S37*/M-T7S37*

: 800*600;48.1KHz

: EUT TO LISN

Ref Trace:

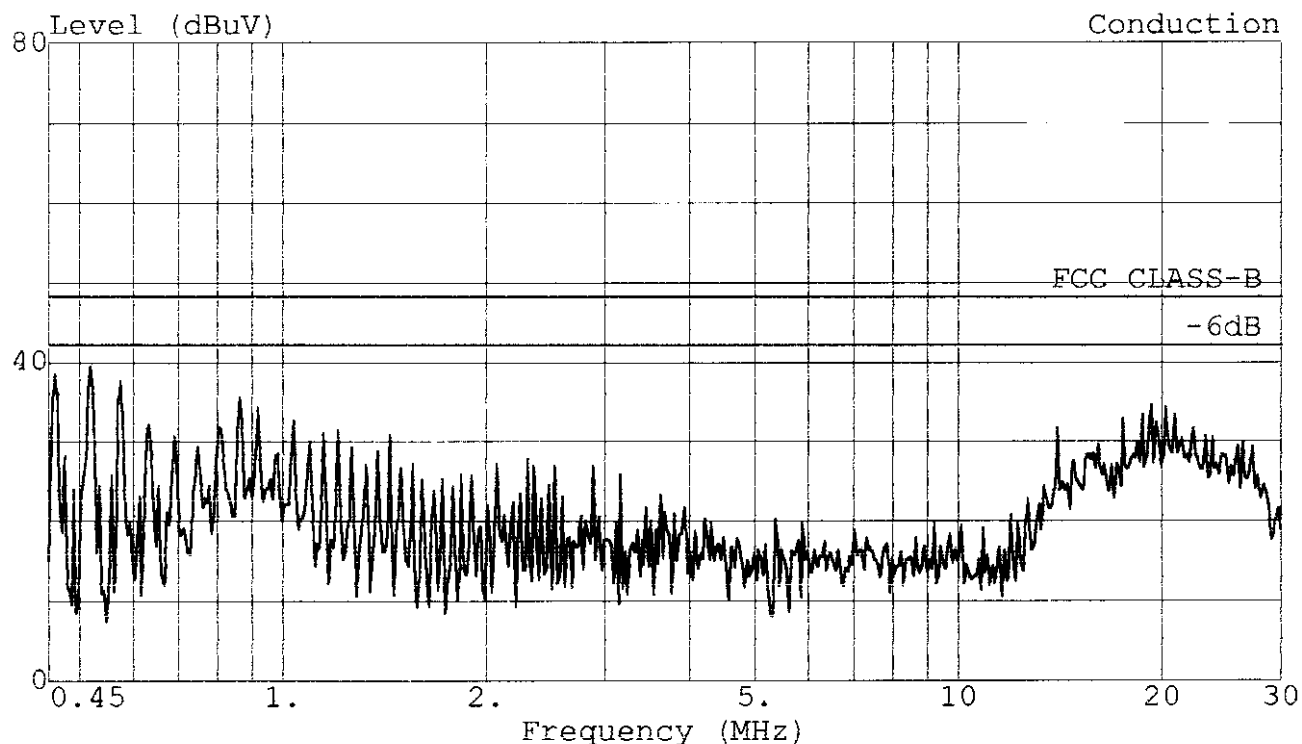
TOKIN

TAIWAN TOKIN EMC ENG. CORP.

Test Site:
#53-11 Tingfu Tsun, Linkou,
Taipei, Taiwan R.O.C.
Tel:02-26092133 Fax:02-26099303

Data#: 180 File#: MATSUSHI.EMI

Date: 1999-05-10 Time: 13:41:54



Trace: Ref Trace:
Limit: FCC CLASS-B Probe: LISN(FCC)8-1370-10 NEUTRAL
EUT : 17" MULTI-SCAN COLOR MONITOR
Power: 120Vac/60Hz
Memo : M/N:TX-T7S37*/M-T7S37*
: 1024*768;58KHz
: EUT TO LISN

TOKIN

TAIWAN TOKIN EMC ENG. CORP.

Test Site:

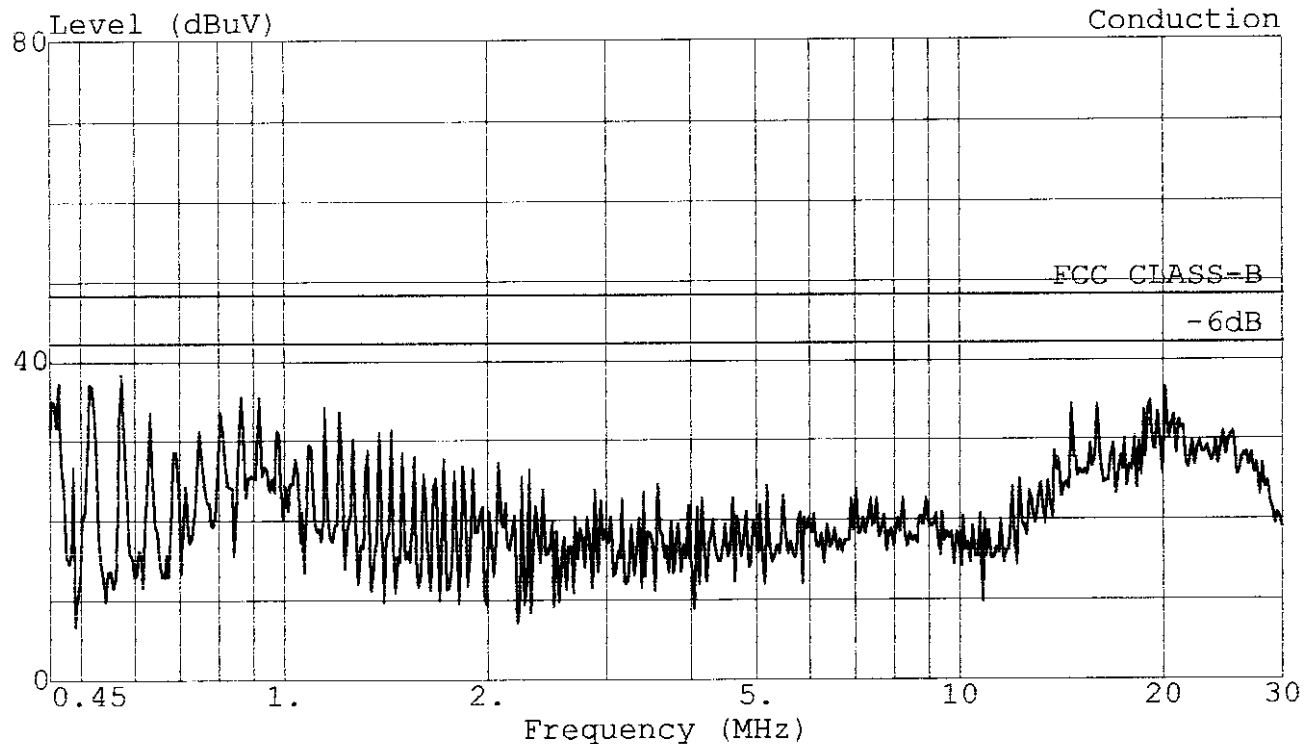
#53-11 Tingfu Tsun, Linkou,

Taipei, Taiwan R.O.C.

Tel:02-26092133 Fax:02-26099303

Data#: 181 File#: MATSUSHI.EMI

Date: 1999-05-10 Time: 13:42:28



Trace:

Limit: FCC CLASS-B Probe: LISN(FCC)8-1370-10 LINE

EUT : 17" MULTI-SCAN COLOR MONITOR

Power: 120Vac/60Hz

Memo : M/N:TX-T7S37*/M-T7S37*

: 1024*768;58KHz

: EUT TO LISN

Ref Trace:

TOKIN

TAIWAN TOKIN EMC ENG. CORP.

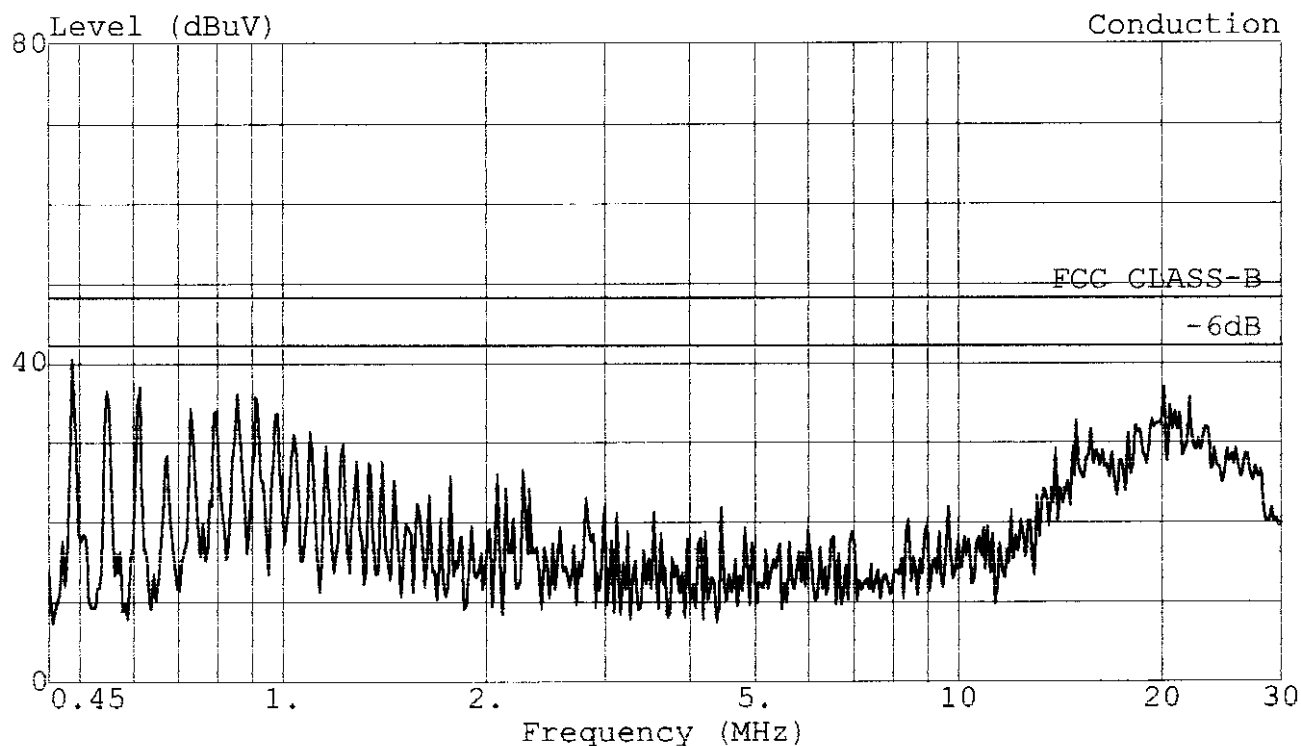
Test Site:

#53-11 Tingfu Tsun, Linkou,
Taipei, Taiwan R.O.C.

Tel:02-26092133 Fax:02-26099303

Data#: 183 File#: MATSUSHI.EMI

Date: 1999-05-10 Time: 13:44:17



Trace:

Ref Trace:

Limit: FCC CLASS-B

Probe: LISN(FCC)8-1370-10 NEUTRAL

EUT : 17" MULTI-SCAN COLOR MONITOR

Power: 120Vac/60Hz

Memo : M/N:TX-T7S37*/M-T7S37*

: 1280*960;61.6KHz

: EUT TO LISN

TOKIN

TAIWAN TOKIN EMC ENG. CORP.

Test Site:

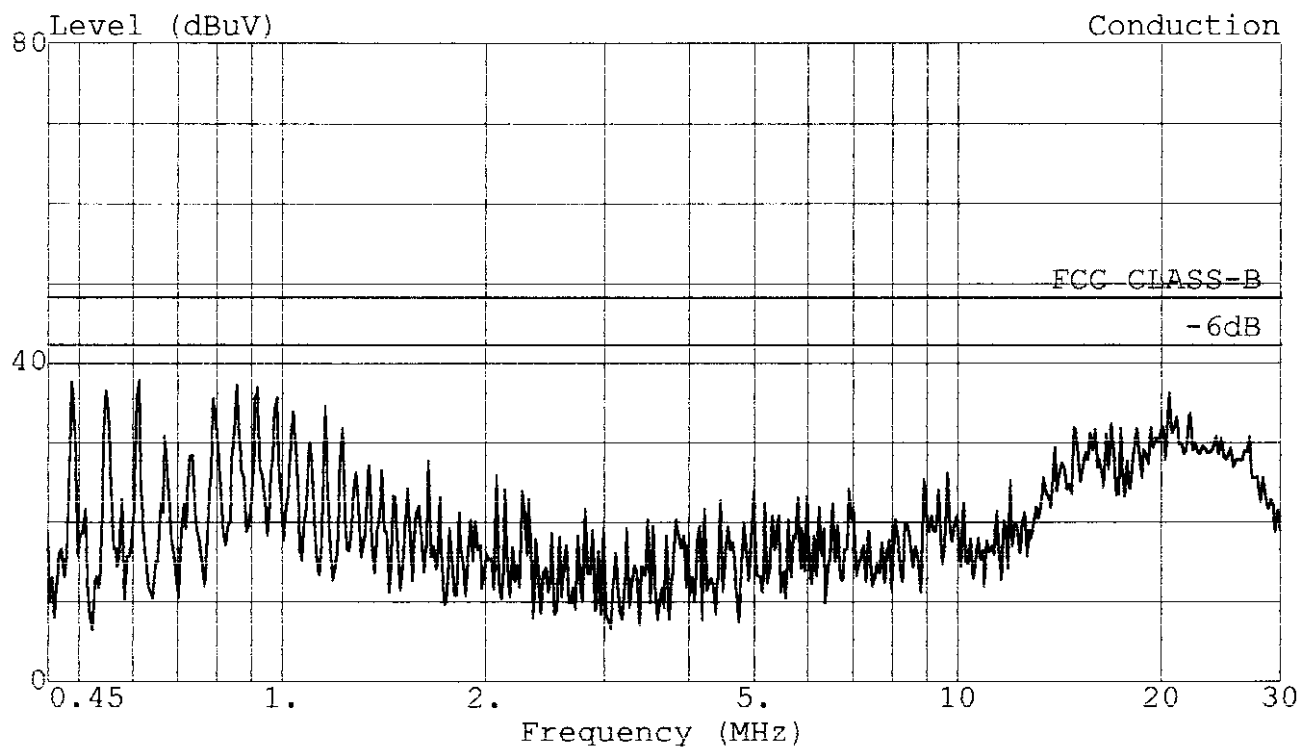
#53-11 Tingfu Tsun, Linkou,

Taipei, Taiwan R.O.C.

Tel:02-26092133 Fax:02-26099303

Data#: 182 File#: MATSUSHI.EMI

Date: 1999-05-10 Time: 13:43:41



Trace:

Limit: FCC CLASS-B Probe: LISN(FCC)8-1370-10 LINE

EUT : 17" MULTI-SCAN COLOR MONITOR

Power: 120Vac/60Hz

Memo : M/N:TX-T7S37*/M-T7S37*

: 1280*960;61.6KHz

: EUT TO LISN

Ref Trace:

TOKIN

TAIWAN TOKIN EMC ENG. CORP.

Test Site:

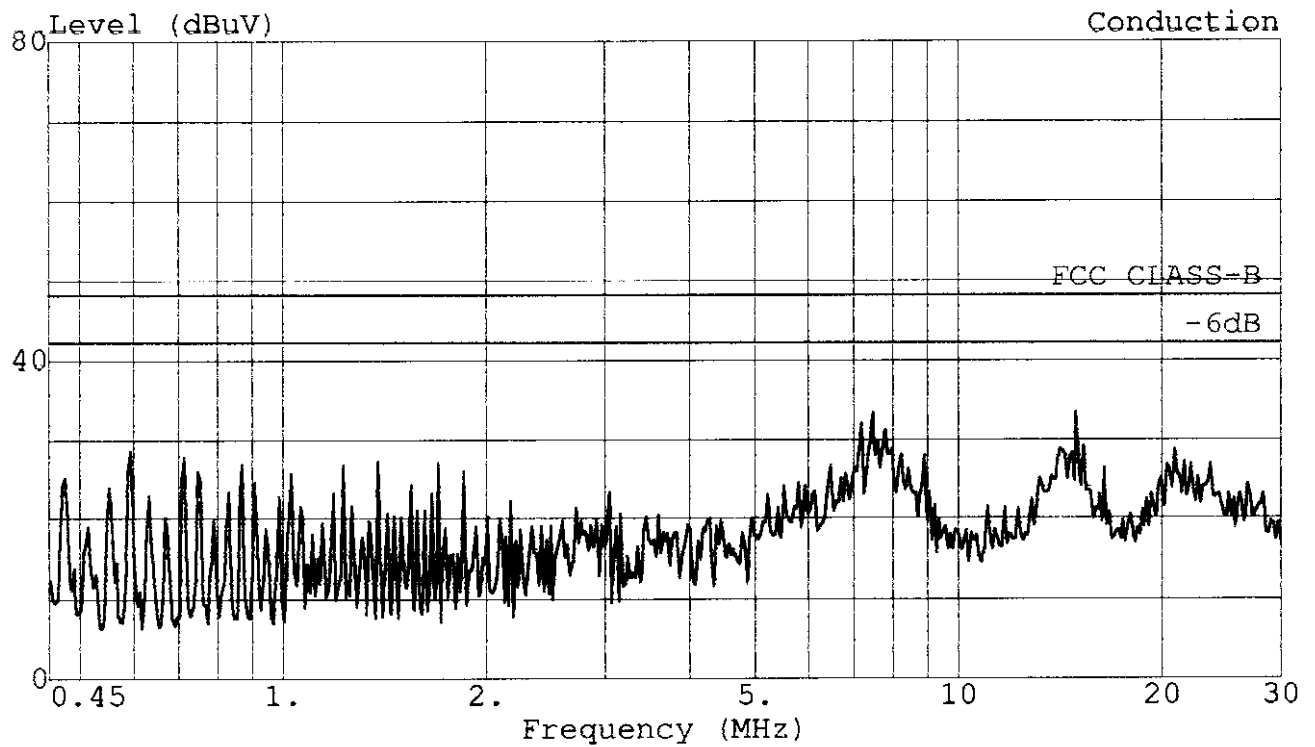
#53-11 Tingfu Tsun, Linkou,

Taipei, Taiwan R.O.C.

Tel:02-26092133 Fax:02-26099303

Data#: 231 File#: MATSUSHI.EMI

Date: 1999-05-11 Time: 11:14:18



Trace:

Ref Trace:

Limit: FCC CLASS-B Probe: LISN(FCC)8-1370-10 NEUTRAL

EUT : 17" MULTI-SCAN COLOR MONITOR

Power: 120Vac/60Hz

Memo : M/N:TX-T7S37*/M-T7S37*

: 640*480;37.9KHz

: EUT TO PC

TOKIN

TAIWAN TOKIN EMC ENG. CORP.

Test Site:

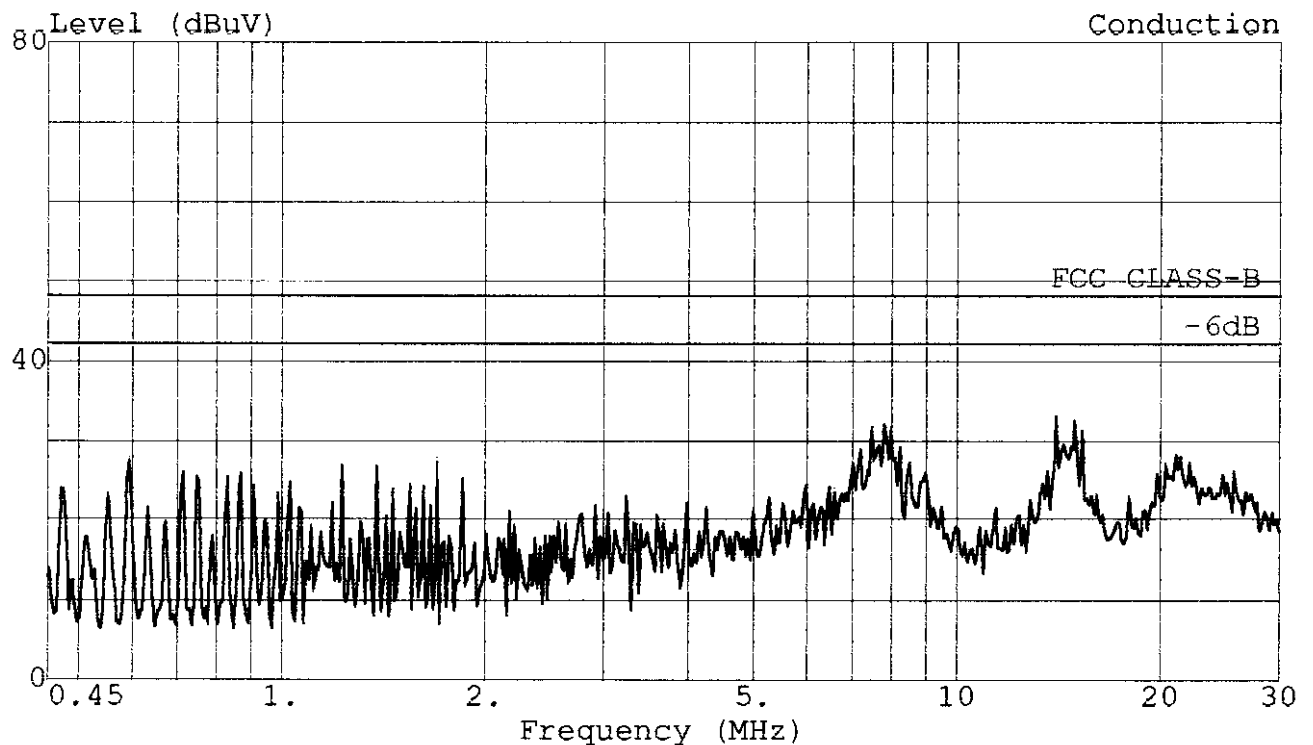
#53-11 Tingfu Tsun, Linkou,

Taipei, Taiwan R.O.C.

Tel:02-26092133 Fax:02-26099303

Data#: 230 File#: MATSUSHI.EMI

Date: 1999-05-11 Time: 11:13:35



Trace:

Limit: FCC CLASS-B Probe: LISN(FCC)8-1370-10 LINE

EUT : 17" MULTI-SCAN COLOR MONITOR

Power: 120Vac/60Hz

Memo : M/N:TX-T7S37*/M-T7S37*

: 640*480;37.9KHz

: EUT TO PC

Ref Trace:

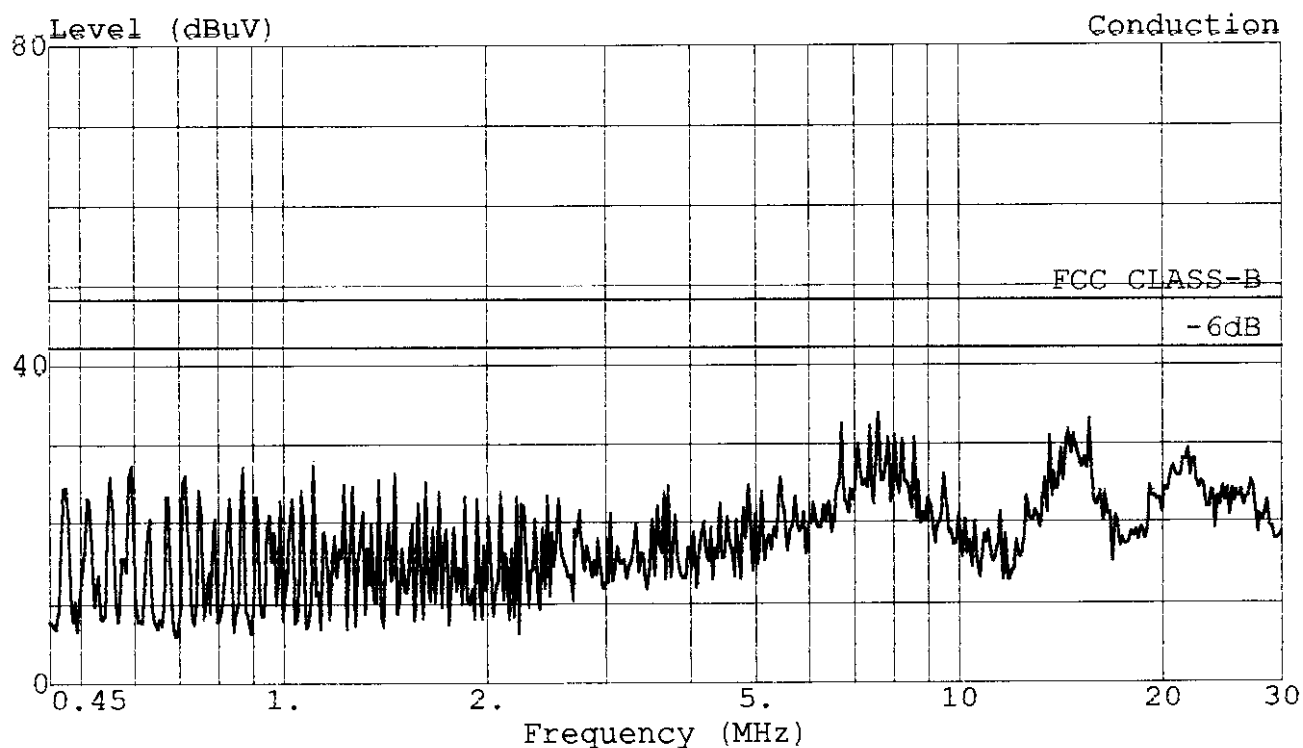
TOKIN

TAIWAN TOKIN EMC ENG. CORP.

Test Site:
#53-11 Tingfu Tsun, Linkou,
Taipei, Taiwan R.O.C.
Tel:02-26092133 Fax:02-26099303

Data#: 232 File#: MATSUSHI.EMI

Date: 1999-05-11 Time: 11:15:32



Trace: Ref Trace:
Limit: FCC CLASS-B Probe: LISN(FCC)8-1370-10 NEUTRAL
EUT : 17" MULTI-SCAN COLOR MONITOR
Power: 120Vac/60Hz
Memo : M/N:TX-T7S37*/M-T7S37*
: 800*600;48.1KHz
: EUT TO PC

TOKIN

TAIWAN TOKIN EMC ENG. CORP.

Test Site:

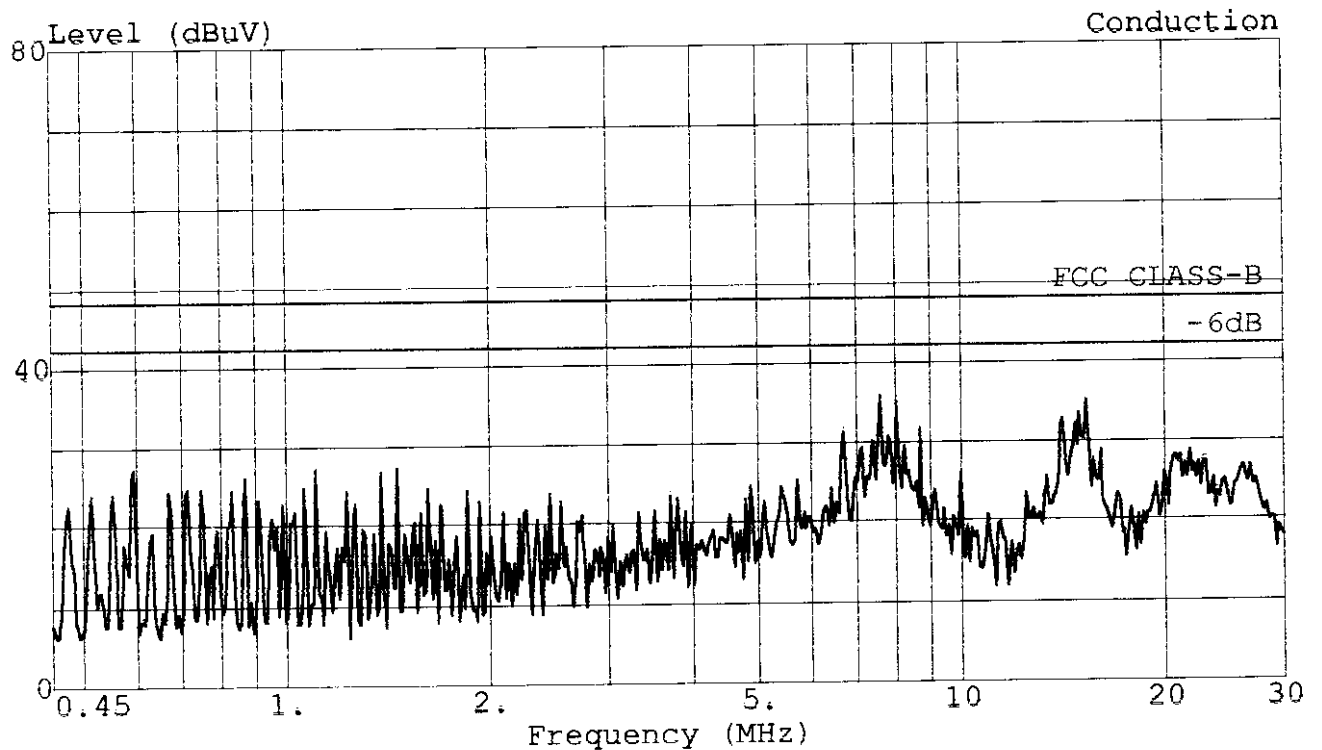
#53-11 Tingfu Tsun, Linkou,

Taipei, Taiwan R.O.C.

Tel:02-26092133 Fax:02-26099303

Data#: 233 File#: MATSUSHI.EMI

Date: 1999-05-11 Time: 11:19:14



Trace:

Ref Trace:

Limit: FCC CLASS-B Probe: LISN(FCC)8-1370-10 LINE

EUT : 17" MULTI-SCAN COLOR MONITOR

Power: 120Vac/60Hz

Memo : M/N:TX-T7S37*/M-T7S37*

: 800*600;48.1KHz

: EUT TO PC

TOKIN

TAIWAN TOKIN EMC ENG. CORP.

Test Site:

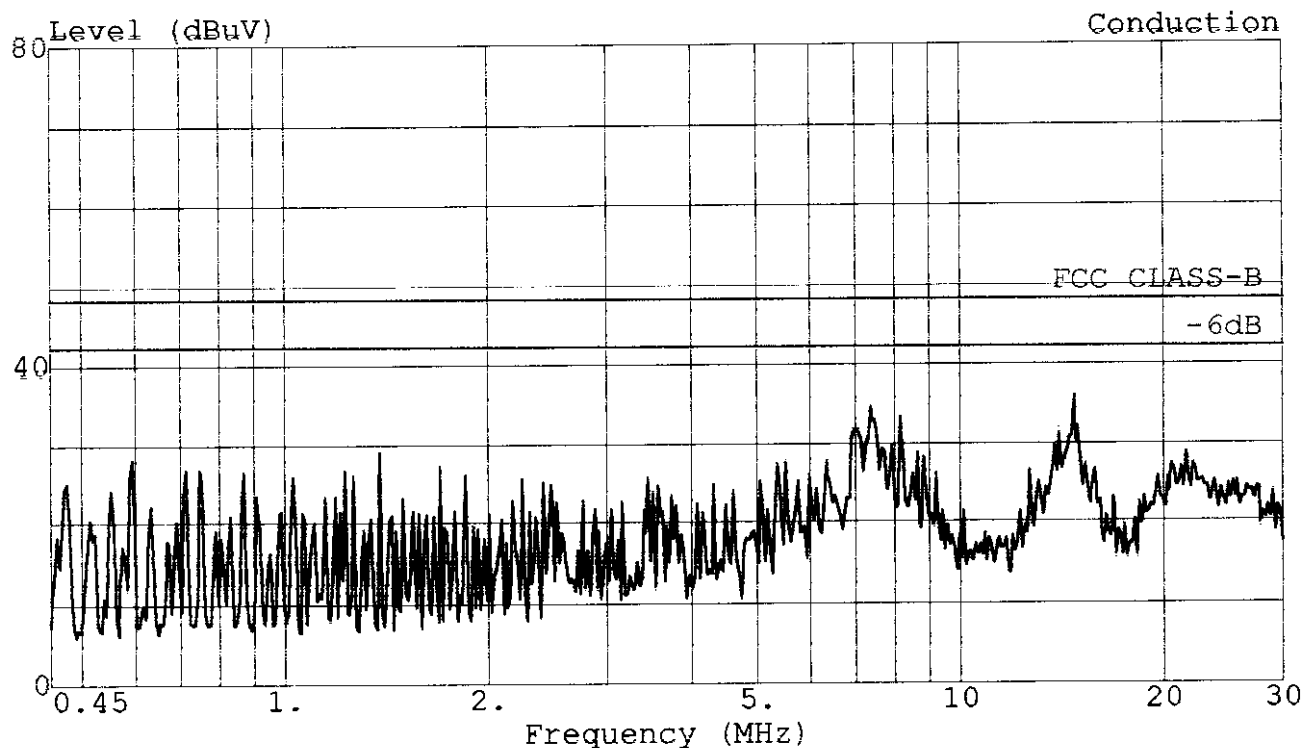
#53-11 Tingfu Tsun, Linkou,

Taipei, Taiwan R.O.C.

Tel:02-26092133 Fax:02-26099303

Data#: 235 File#: MATSUSHI.EMI

Date: 1999-05-11 Time: 11:23:17



Trace:

Limit: FCC CLASS-B

Probe: LISN(FCC)8-1370-10 NEUTRAL

Ref Trace:

EUT : 17" MULTI-SCAN COLOR MONITOR

Power: 120Vac/60Hz

Memo : M/N:TX-T7S37*/M-T7S37*

: 1024*768;58KHz

: EUT TO PC

TOKIN

TAIWAN TOKIN EMC ENG. CORP.

Test Site:

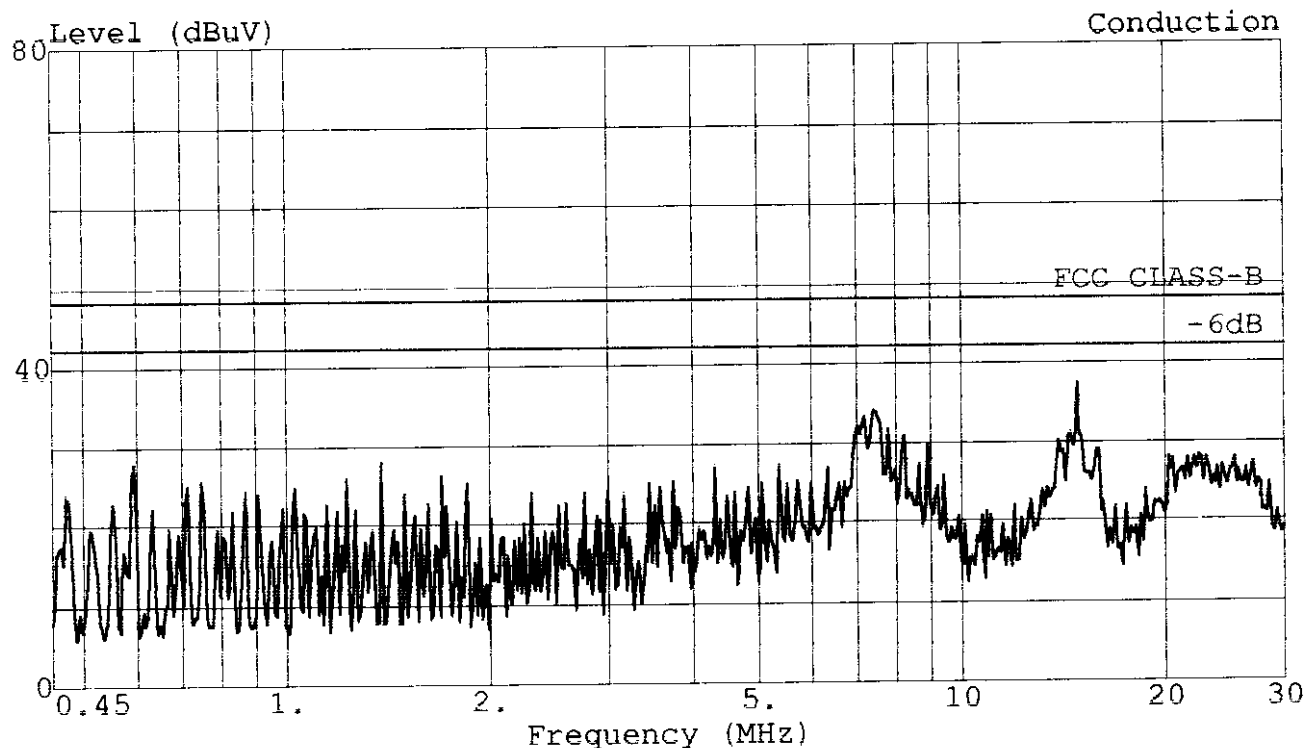
#53-11 Tingfu Tsun, Linkou,

Taipei, Taiwan R.O.C.

Tel:02-26092133 Fax:02-26099303

Data#: 234 File#: MATSUSHI.EMI

Date: 1999-05-11 Time: 11:22:36



Trace:

Limit: FCC CLASS-B Probe: LISN(FCC)8-1370-10 LINE

EUT : 17" MULTI-SCAN COLOR MONITOR

Power: 120Vac/60Hz

Memo : M/N:TX-T7S37*/M-T7S37*

: 1024*768;58KHz

: EUT TO PC

Ref Trace:

TOKIN

TAIWAN TOKIN EMC ENG. CORP.

Test Site:

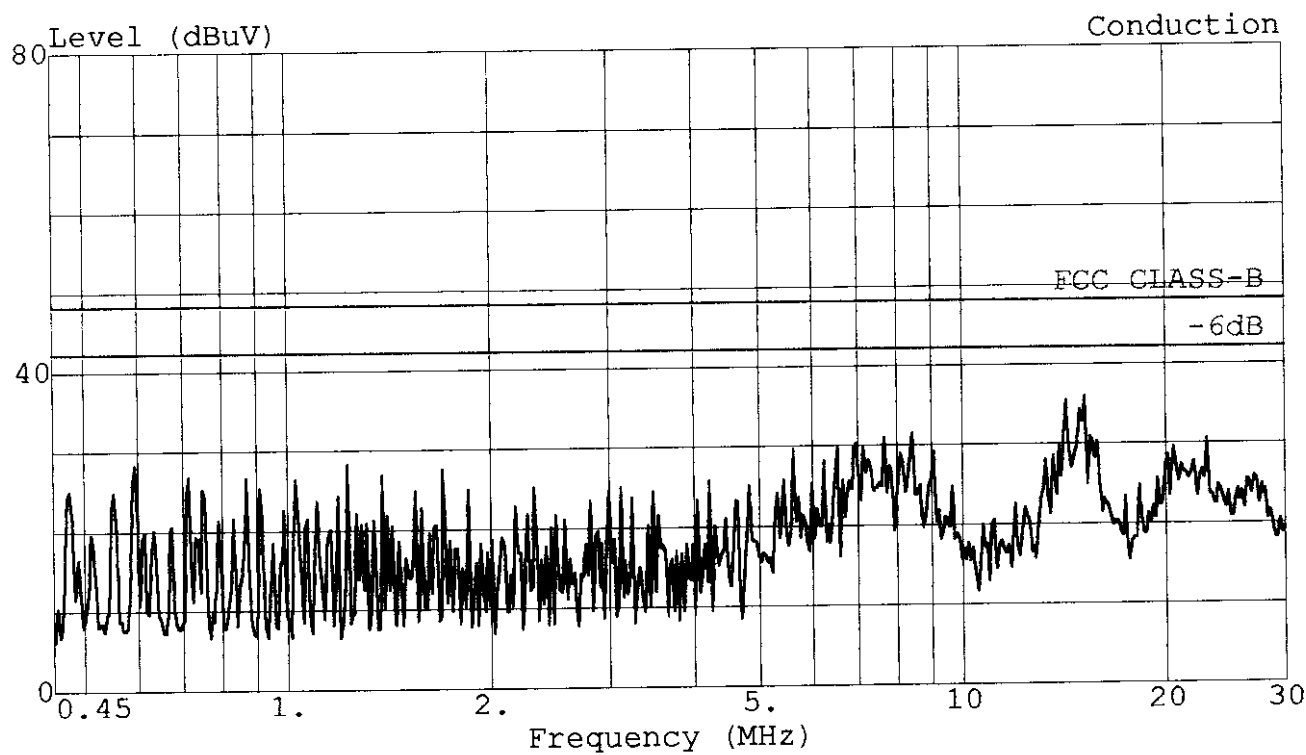
#53-11 Tingfu Tsun, Linkou,

Taipei, Taiwan R.O.C.

Tel:02-26092133 Fax:02-26099303

Data#: 236 File#: MATSUSHI.EMI

Date: 1999-05-11 Time: 11:24:30



Trace:

Ref Trace:

Limit: FCC CLASS-B Probe: LISN(FCC)8-1370-10 NEUTRAL

EUT : 17" MULTI-SCAN COLOR MONITOR

Power: 120Vac/60Hz

Memo : M/N:TX-T7S37*/M-T7S37*

: 1280*960;61.6KHz

: EUT TO PC

TOKIN

TAIWAN TOKIN EMC ENG. CORP.

Test Site:

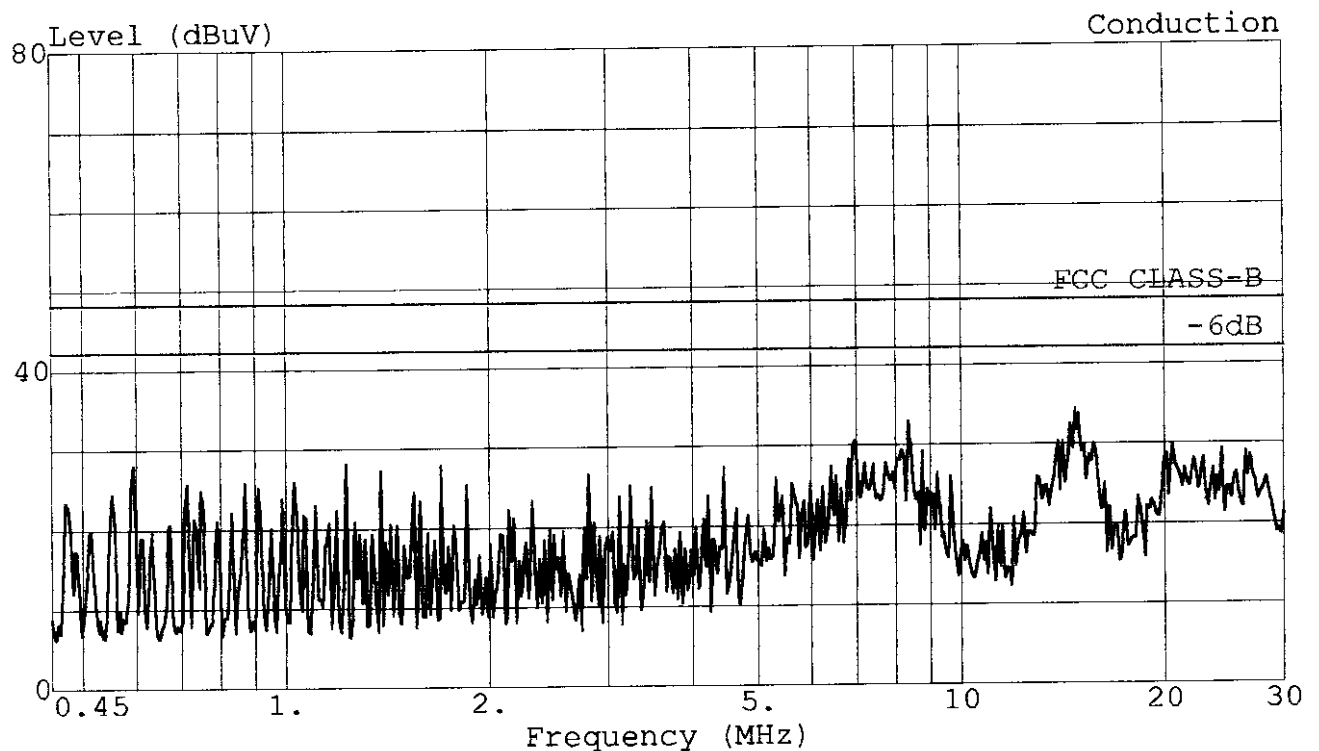
#53-11 Tingfu Tsun, Linkou,

Taipei, Taiwan R.O.C.

Tel:02-26092133 Fax:02-26099303

Data#: 237 File#: MATSUSHI.EMI

Date: 1999-05-11 Time: 11:25:17



Trace:

Limit: FCC CLASS-B Probe: LISN(FCC)8-1370-10 LINE

EUT : 17" MULTI-SCAN COLOR MONITOR

Power: 120Vac/60Hz

Memo : M/N:TX-T7S37*/M-T7S37*

: 1280*960;61.6KHz

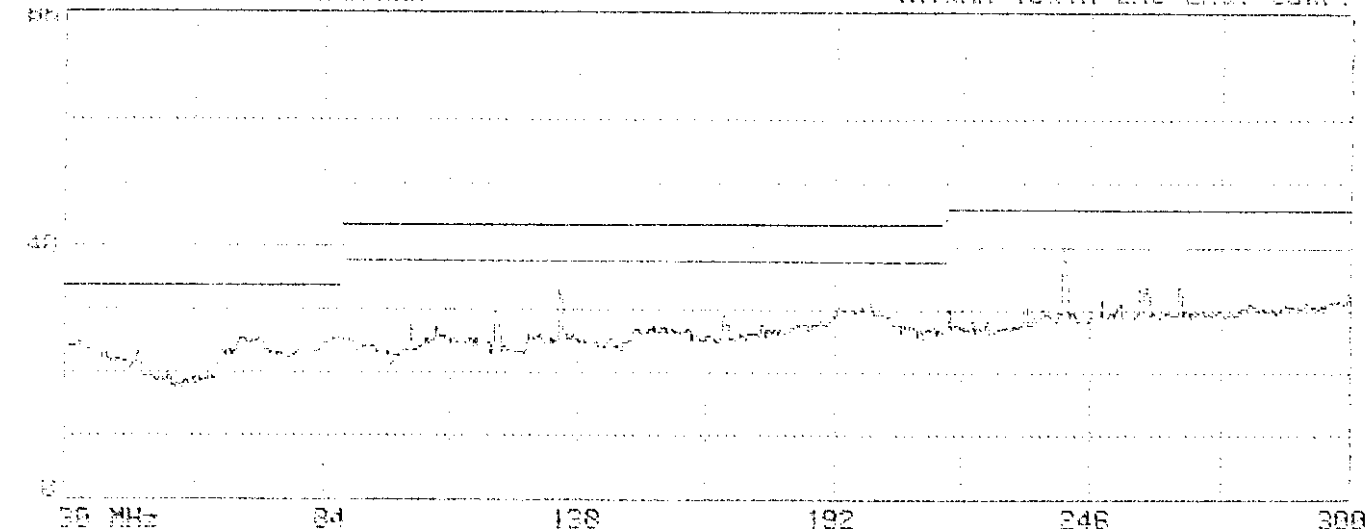
: EUT TO PC

Ref Trace:

APPENDIX II

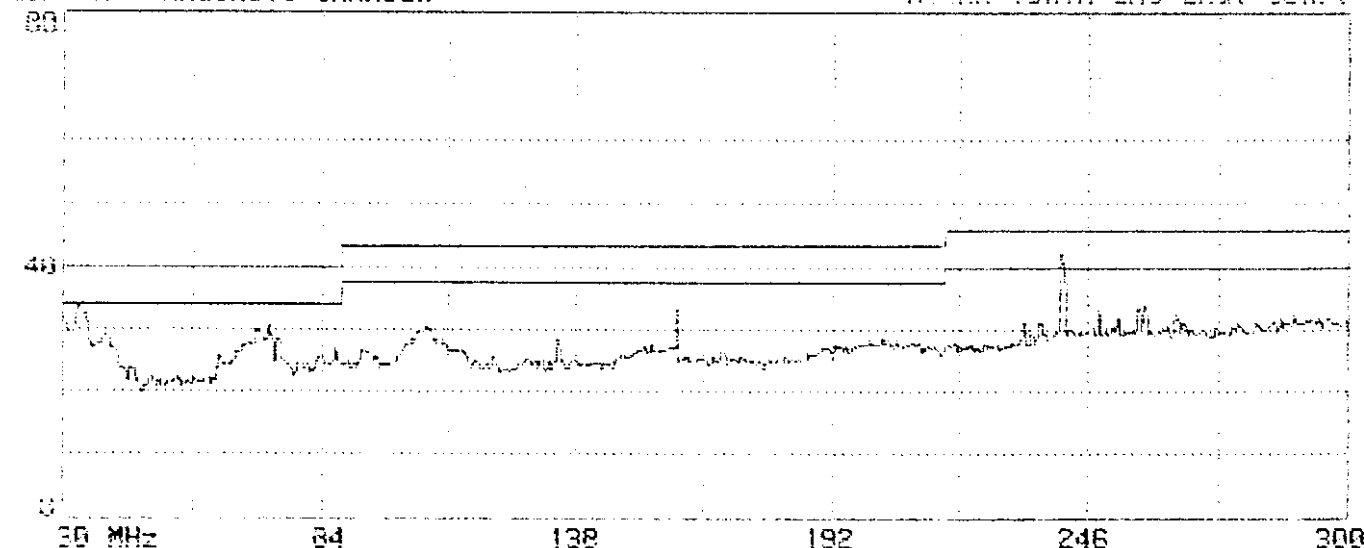
(Radiated Test Data at Anechoic Chamber)

Page#: 931 SP File#: MATSUSHI.E1 Date: 85-11-1999 Time: 17:14:08
 dBuV/m ANECHOIC CHAMBER TAIWAN TOKIN EMC ENG. CORP.



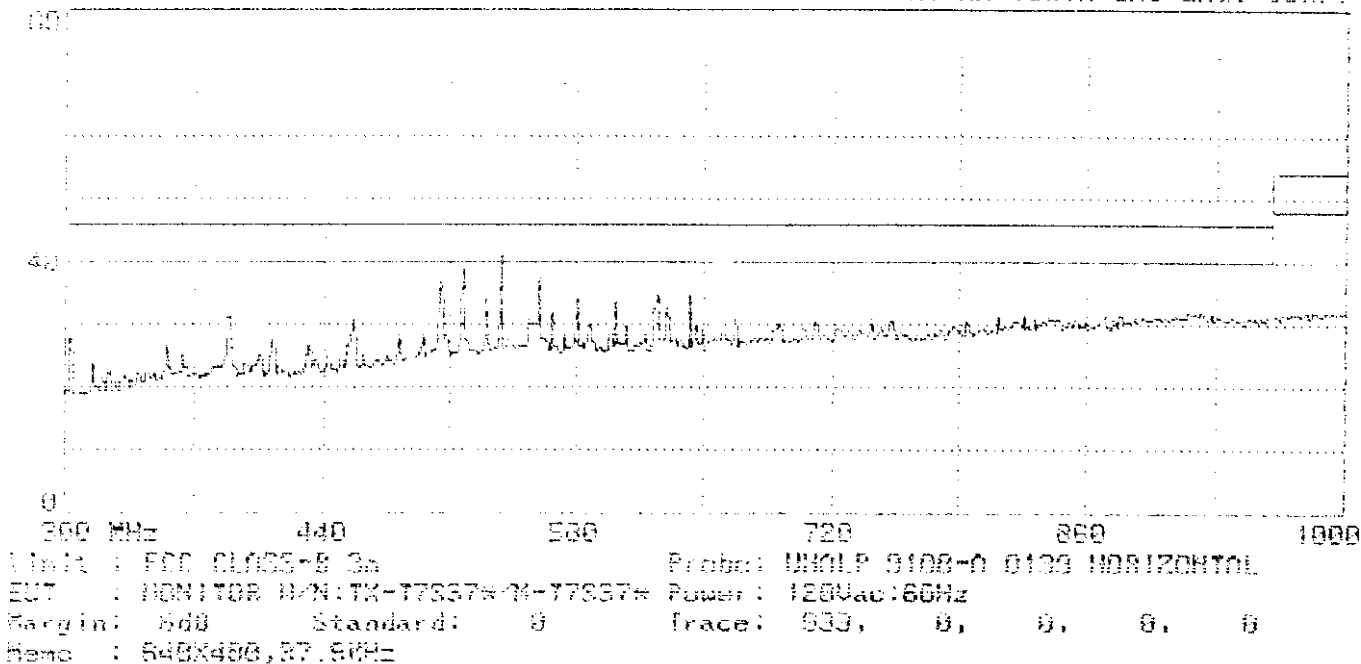
Limit : FCC CLASS-B 3m Probe: BBA9105B(1209)A/C HORIZONTAL
 EUT : MONITOR M/N:TX-T7S37*/M-T7S37* Power: 120Vac/60Hz
 Margin: 6dB Standard: 0 Trace: 931, 0, 0, 0, 0
 Memo : 640X480,37.9KHz

Page#: 932 SP File#: MATSUSHI.E1 Date: 85-11-1999 Time: 17:15:47
 dBuV/m ANECHOIC CHAMBER TAIWAN TOKIN EMC ENG. CORP.

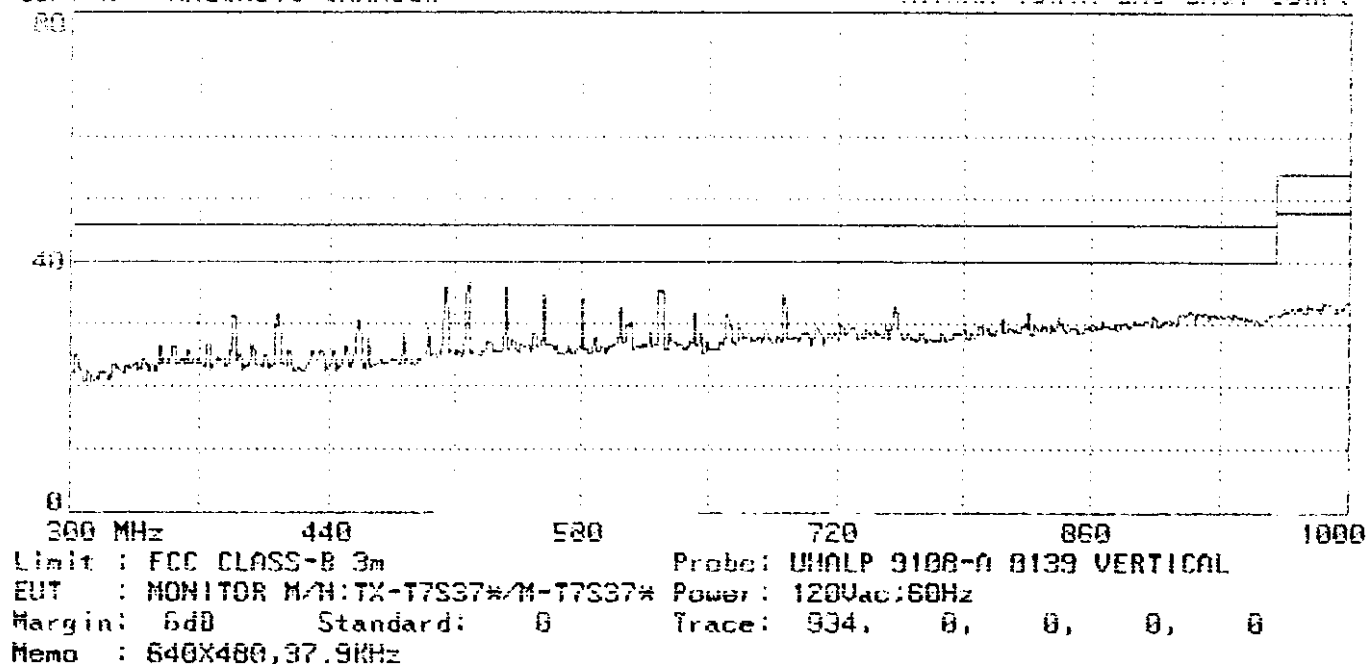


Limit : FCC CLASS-B 3m Probe: BBA9105B(1209)A/C VERTICAL
 EUT : MONITOR M/N:TX-T7S37*/M-T7S37* Power: 120Vac/60Hz
 Margin: 6dB Standard: 0 Trace: 932, 0, 0, 0, 0
 Memo : 640X480,37.9KHz

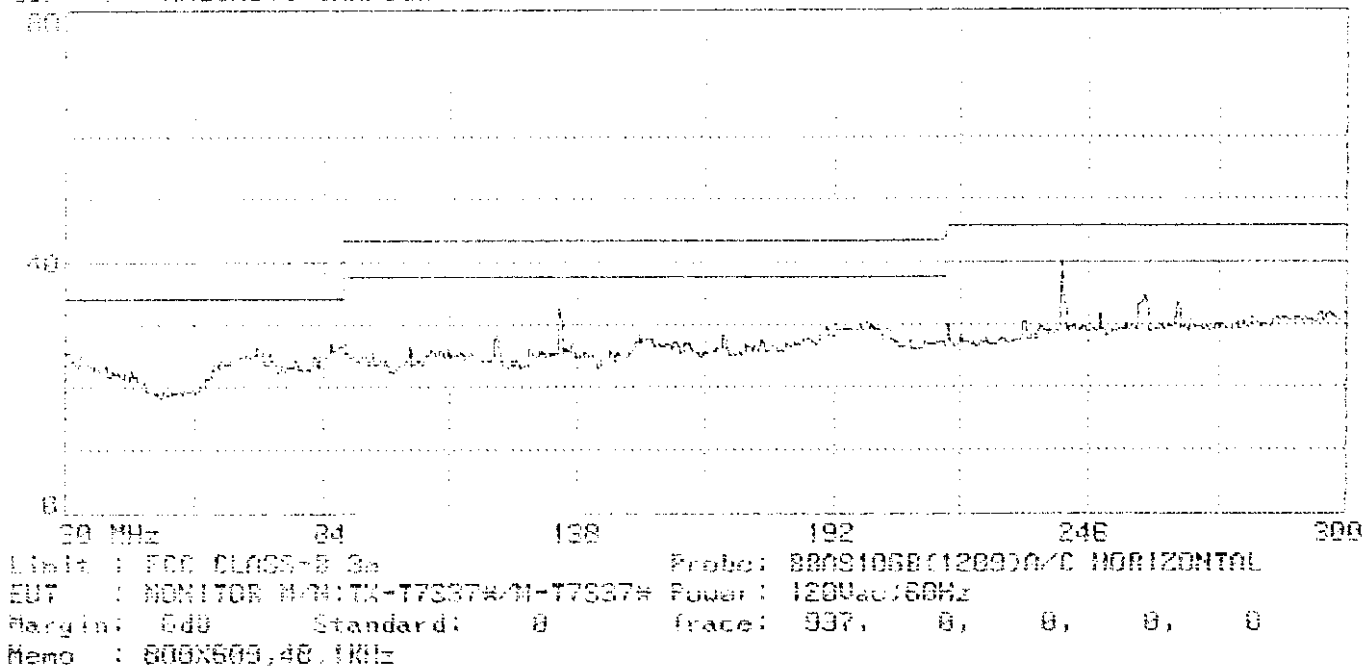
Page#: 033 SP File#: MATSUSHI.E1 Date: 85-11-1999 Time: 17:19:40
 48VAC/Hz ANECHOIC CHAMBER TAIWAN TOKIN EMC ENG. CORP.



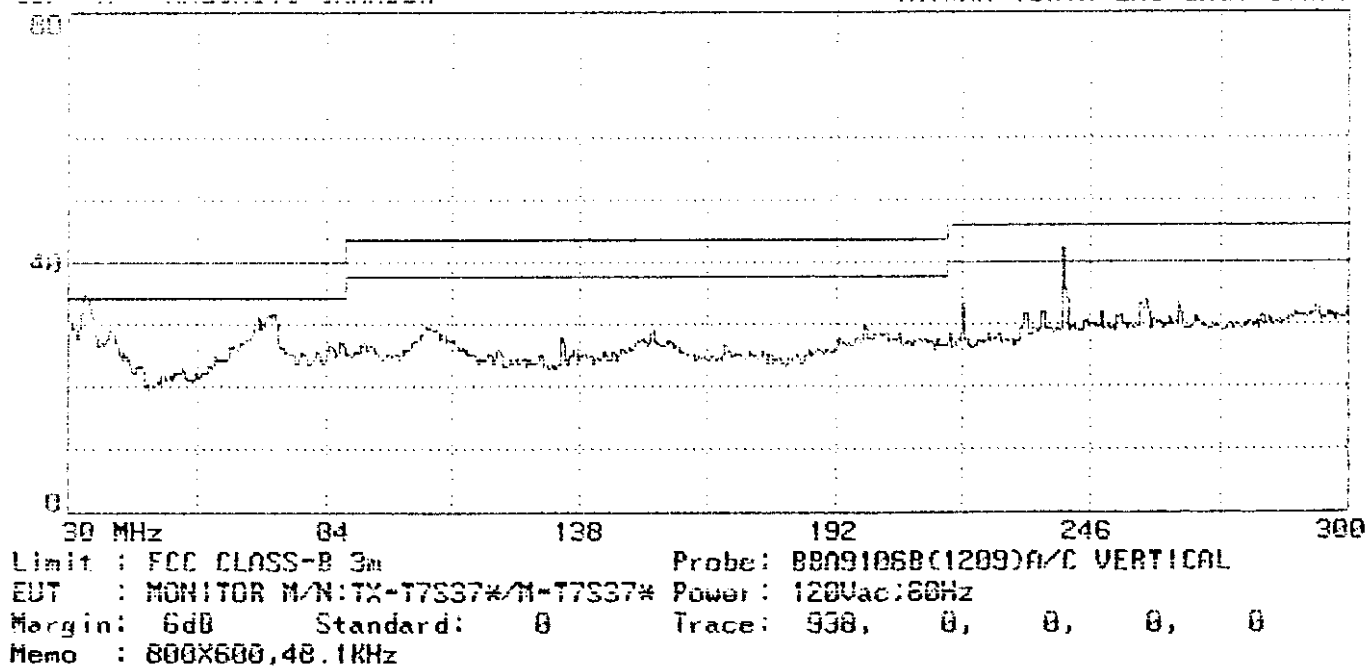
Page#: 034 SP File#: MATSUSHI.E1 Date: 85-11-1999 Time: 17:20:48
 48VAC/Hz ANECHOIC CHAMBER TAIWAN TOKIN EMC ENG. CORP.



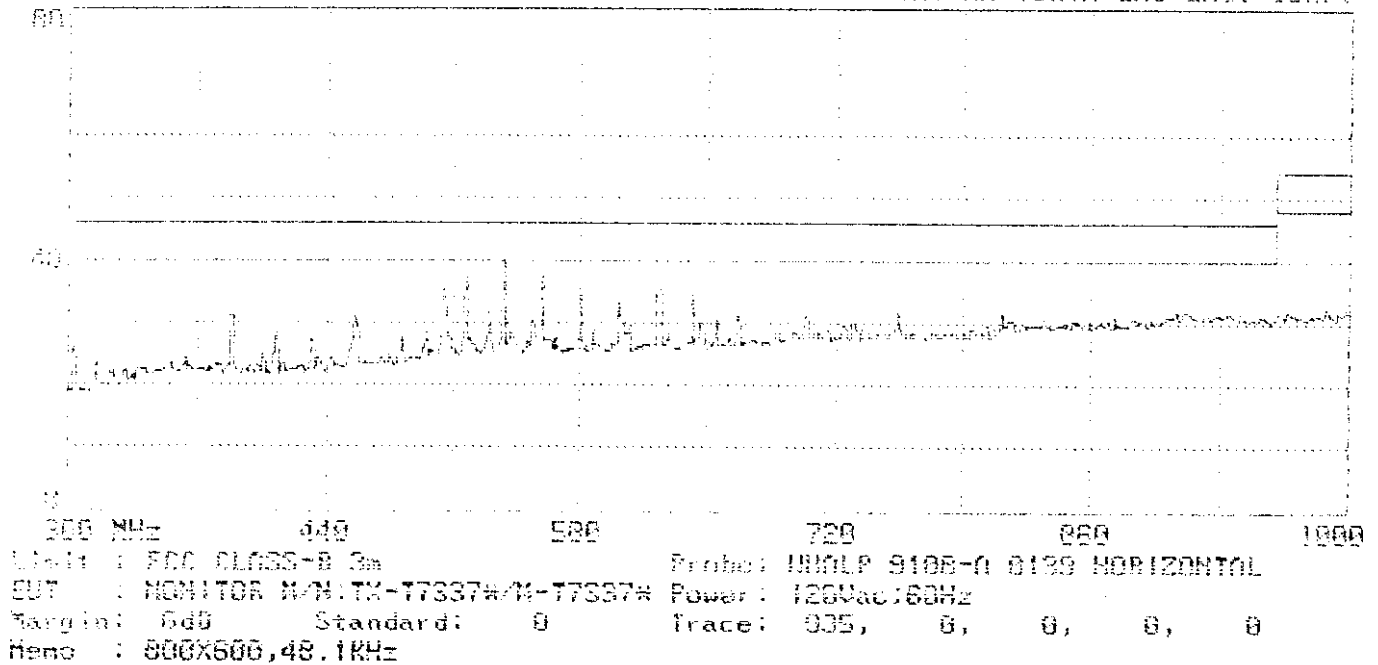
Page#1: 937 SP File#1: MATSUSHI.E1 Date: 05-11-1999 Time: 17:32:19
dBm/Hz ANECHOIC CHAMBER TAIWAN TOKIN EMC ENG. CORP.



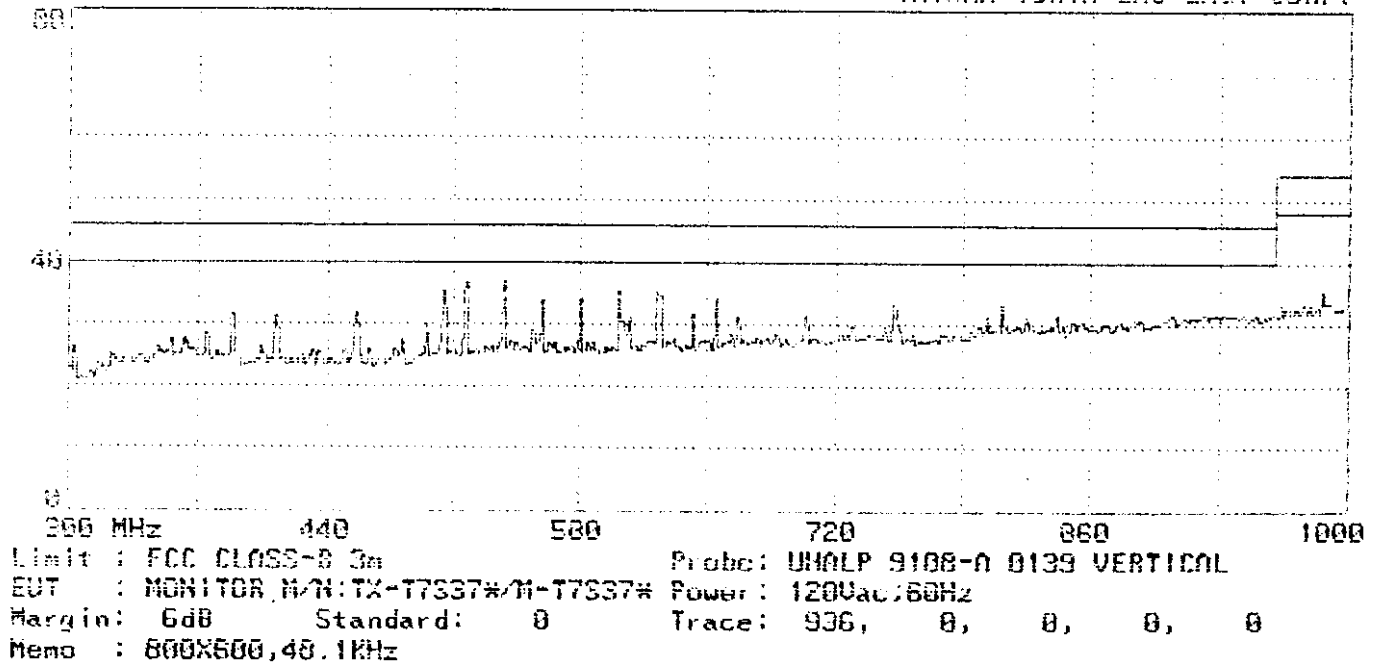
Page#1: 938 SP File#1: MATSUSHI.E1 Date: 05-11-1999 Time: 17:33:58
dBm/Hz ANECHOIC CHAMBER TAIWAN TOKIN EMC ENG. CORP.



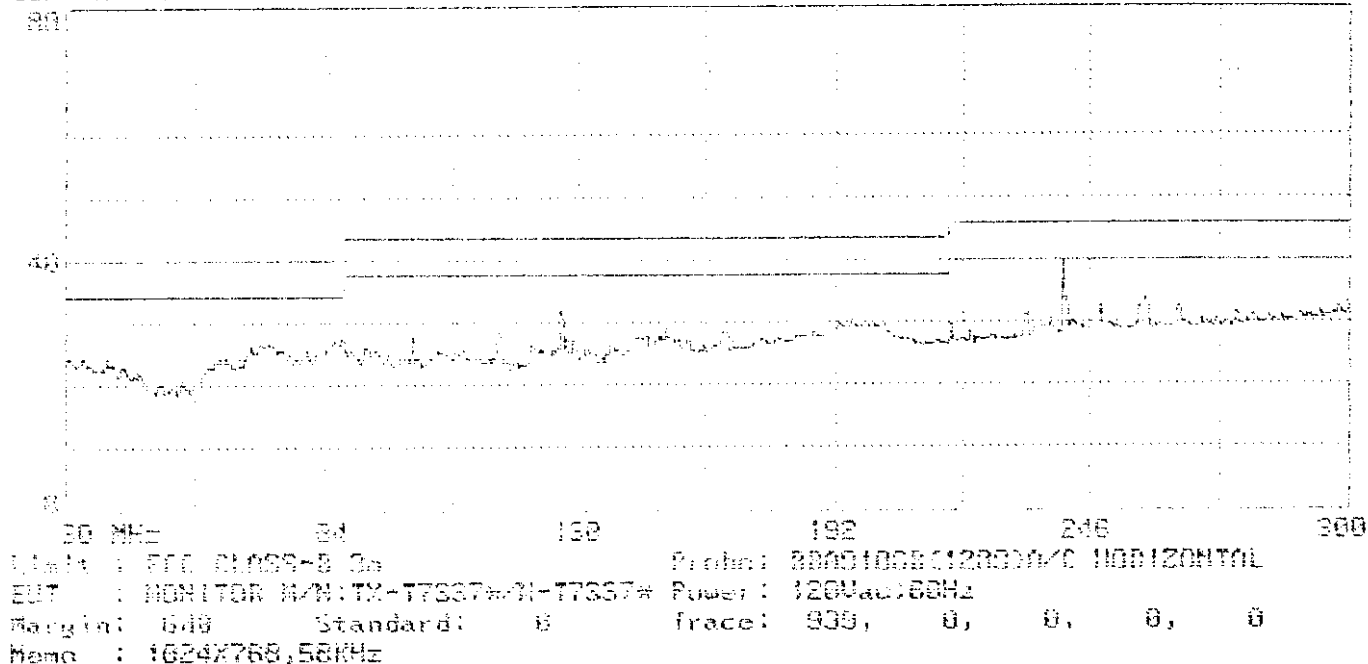
Page#: 035 SP File#: MATSUSHI.EI Date: 95-11-1999 Time: 17:27:56
 dBuV/m ANECHOIC CHAMBER TAIWAN TOKIN EMC ENG. CORP.



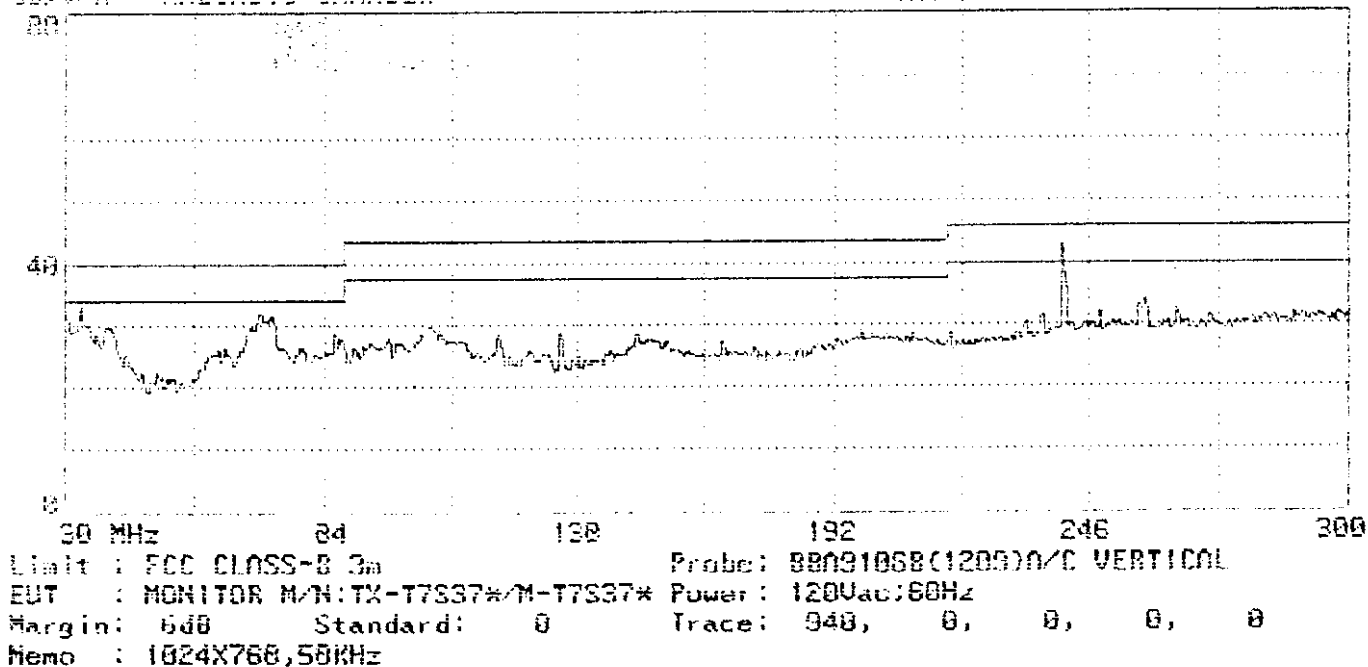
Page#: 036 SP File#: MATSUSHI.EI Date: 95-11-1999 Time: 17:29:35
 dBuV/m ANECHOIC CHAMBER TAIWAN TOKIN EMC ENG. CORP.



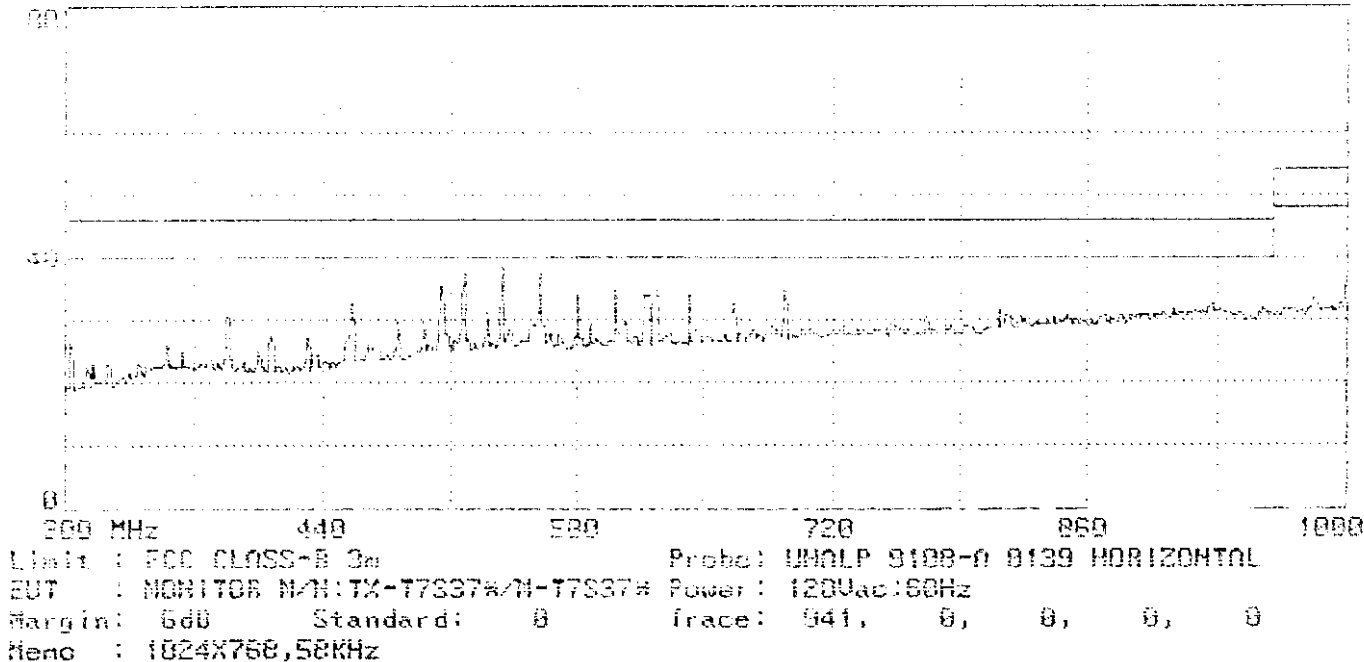
Page#: 939 SP File#: MATSUSHI.E1 Date: 95-11-1999 Time: 17:36:47
 dBµV/m ANECHOIC CHAMBER TAIWAN TOKIN EMC ENG. CORP.



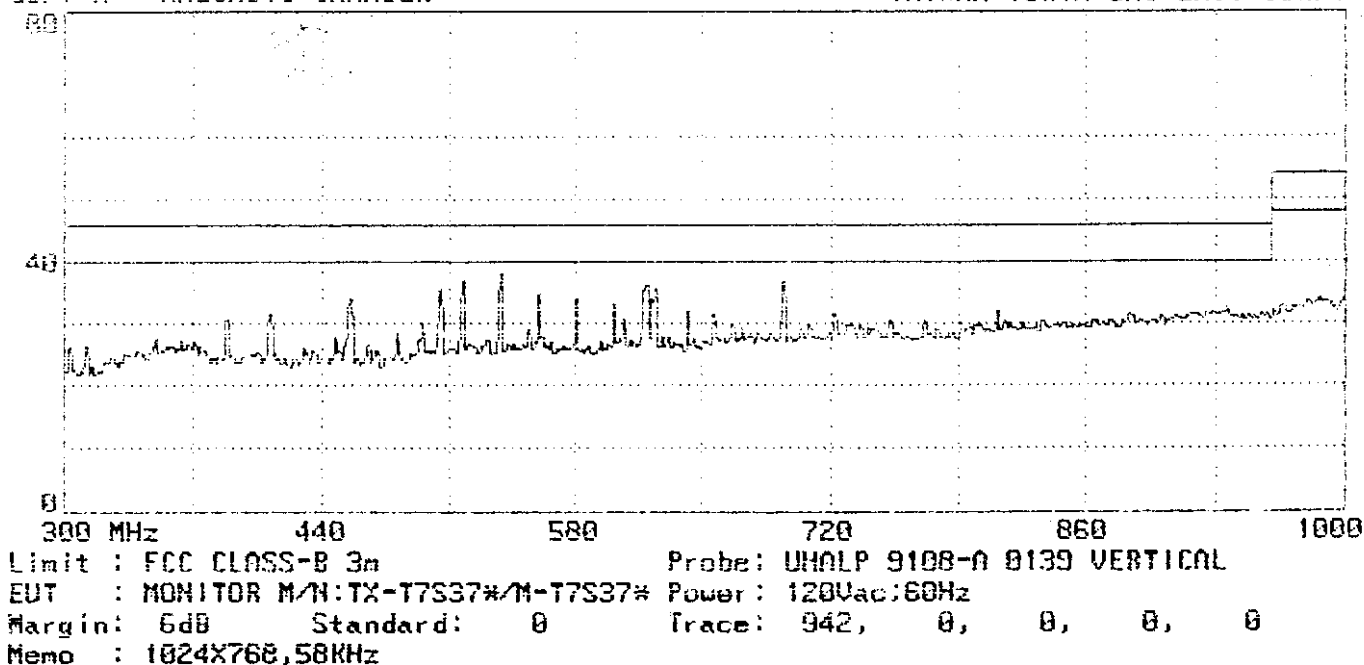
Page#: 940 SP File#: MATSUSHI.E1 Date: 95-11-1999 Time: 17:38:26
 dBµV/m ANECHOIC CHAMBER TAIWAN TOKIN EMC ENG. CORP.



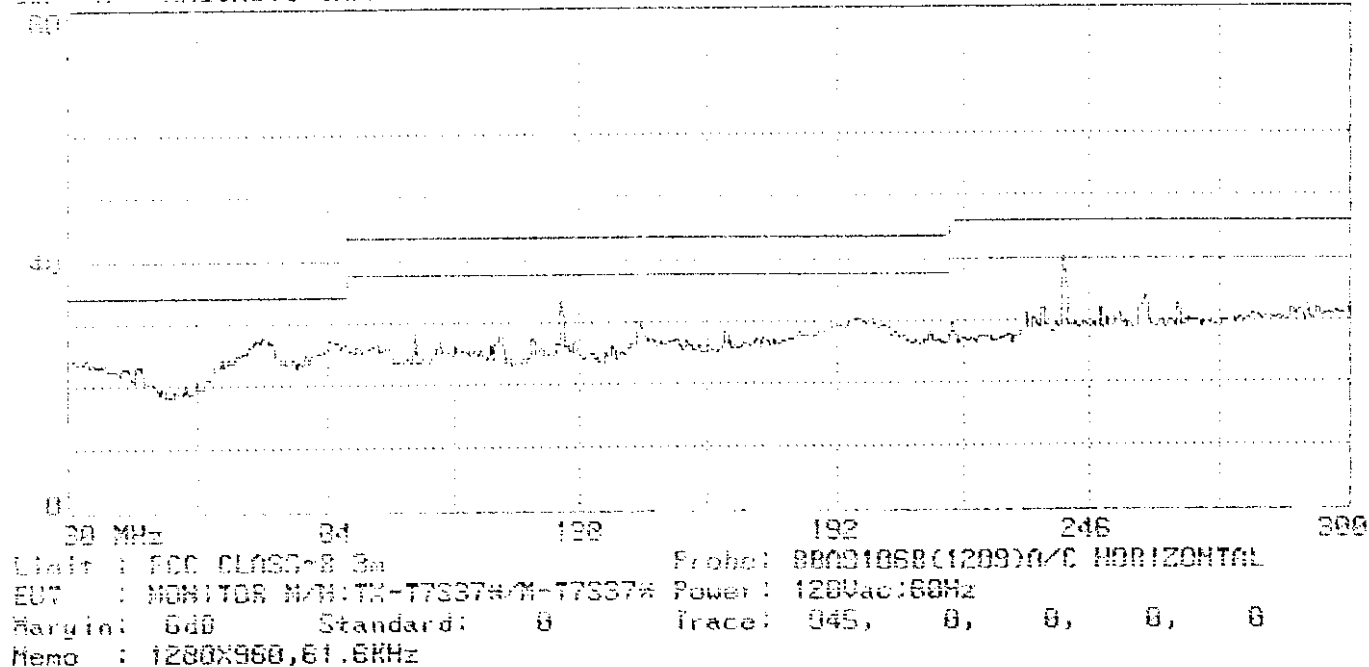
Page#: 941 SP File#: MATSUSHI.E1 Date: 05-11-1999 Time: 17:42:11
 450V/m ANECHOIC CHAMBER TAIWAN TOKIN EMC ENG. CORP.



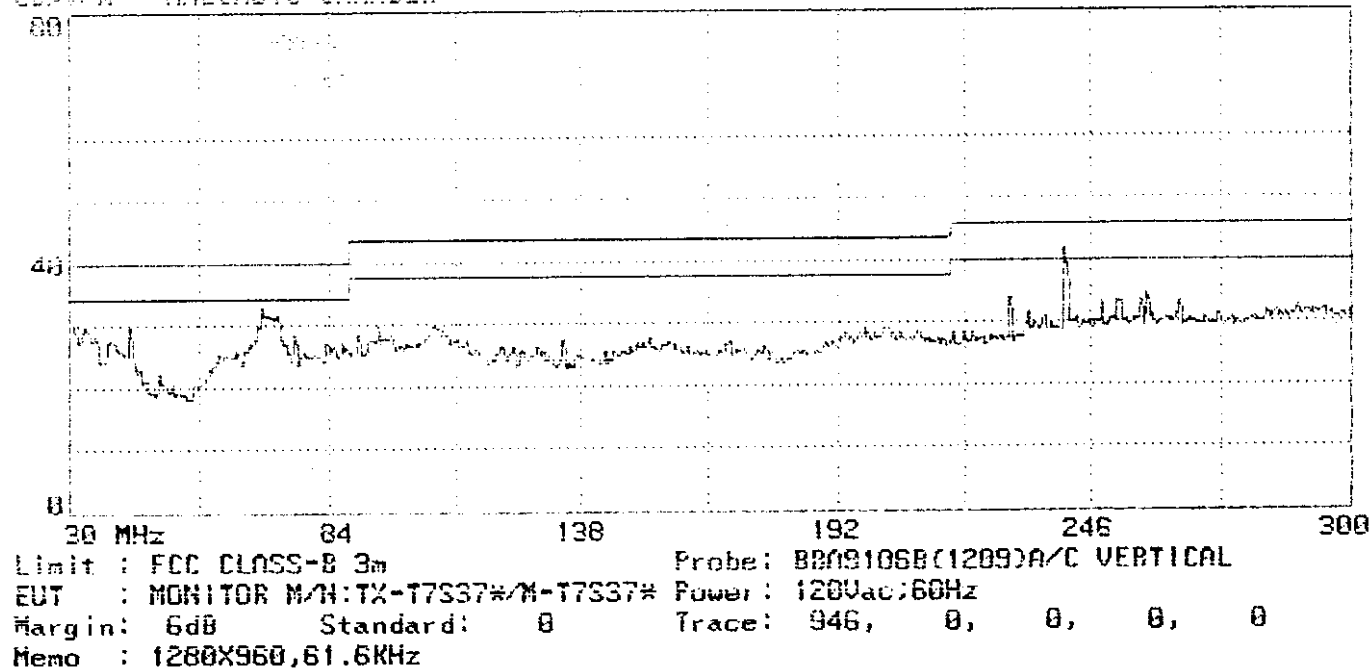
Page#: 942 SP File#: MATSUSHI.E1 Date: 05-11-1999 Time: 17:44:06
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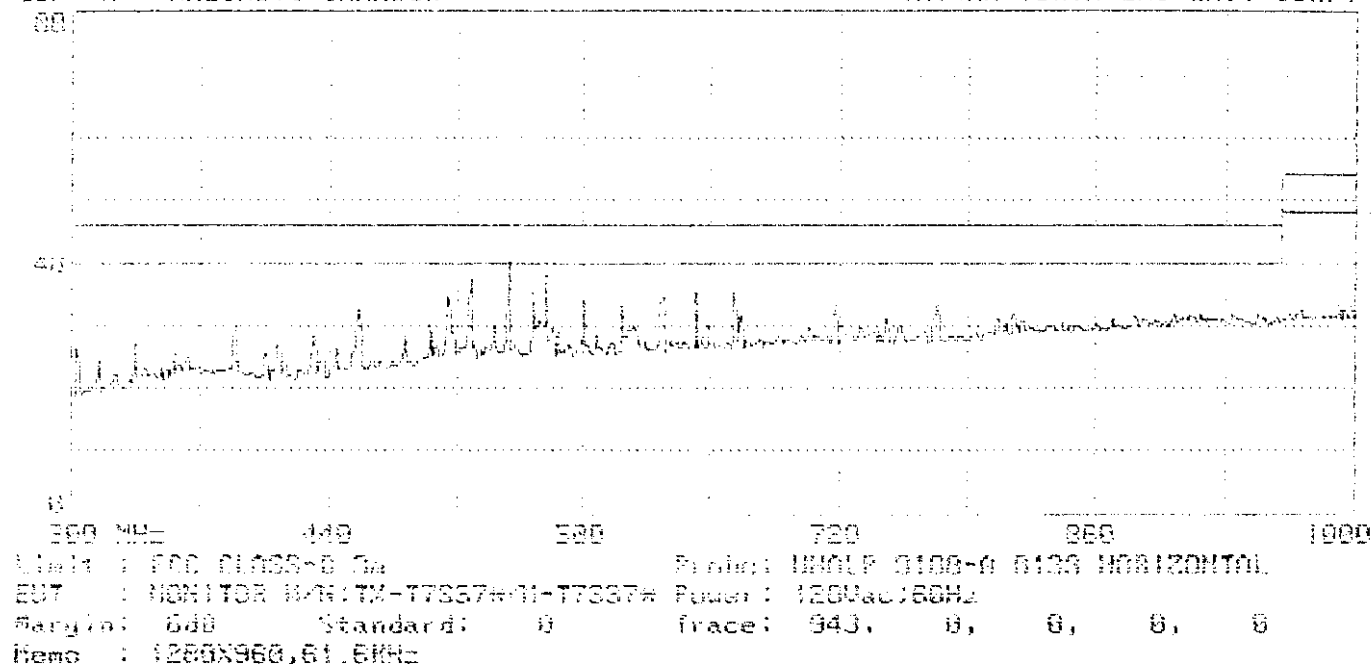
Page#: 945 SP File#: MATSUSHI.E1 Date: 05-11-1999 Time: 17:51:42
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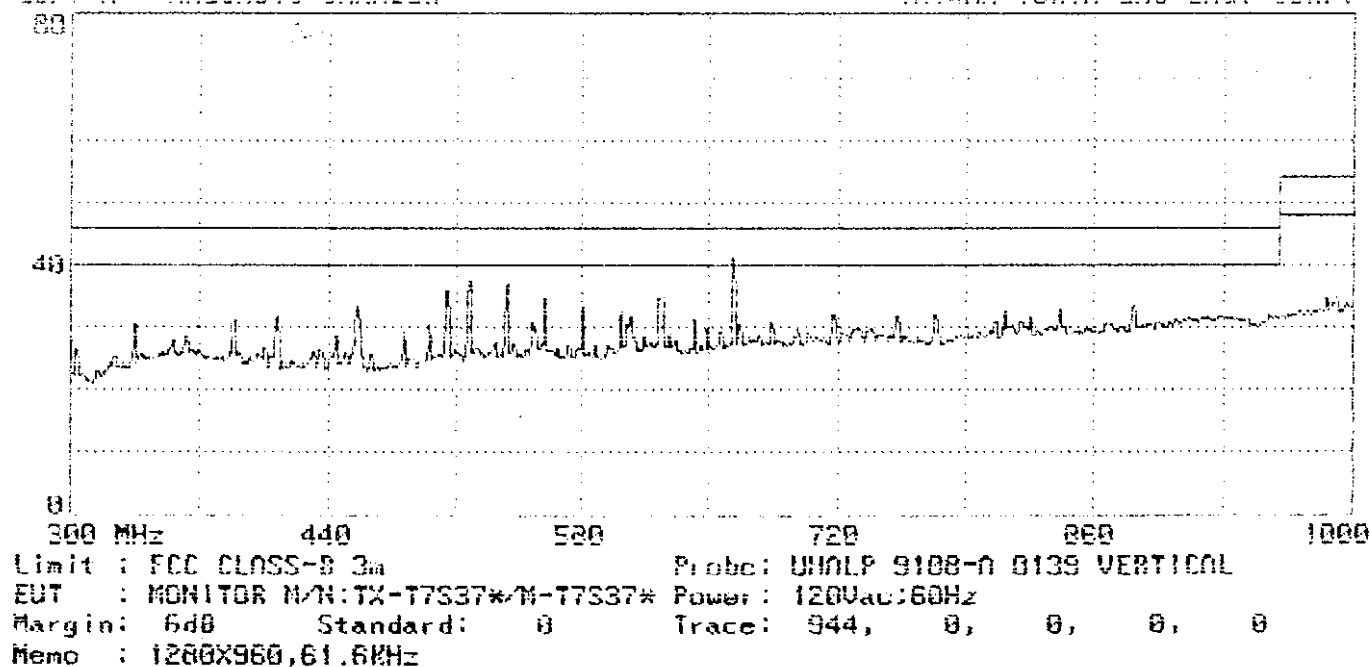
Page#: 946 SP File#: MATSUSHI.E1 Date: 05-11-1999 Time: 17:53:21
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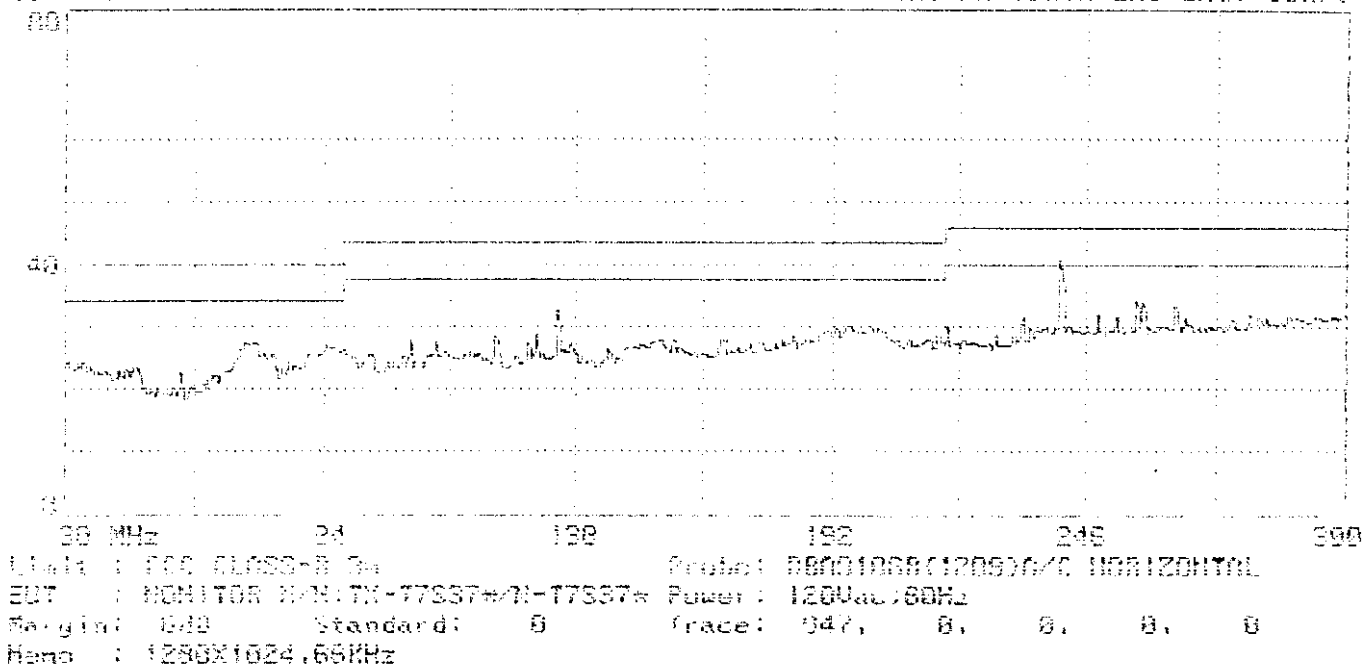
Page#: 943 SP File#: MATSUSHI.E1 Date: 05-11-1999 Time: 17:47:00
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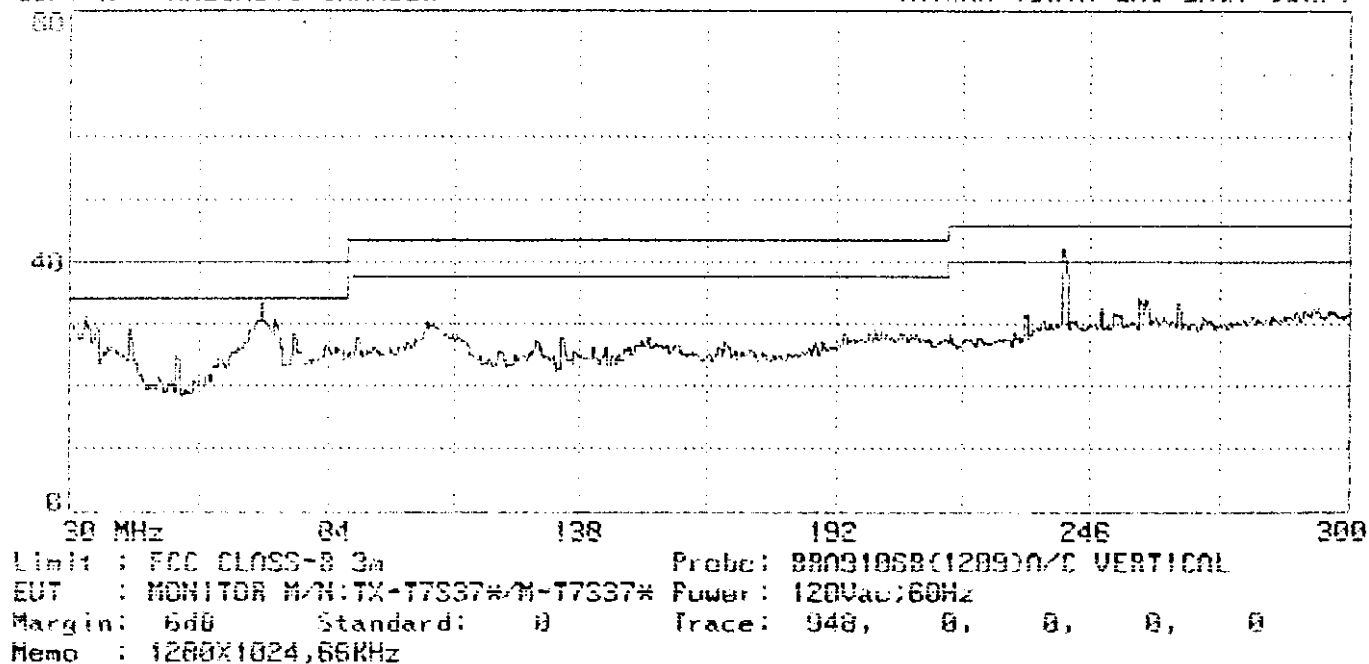
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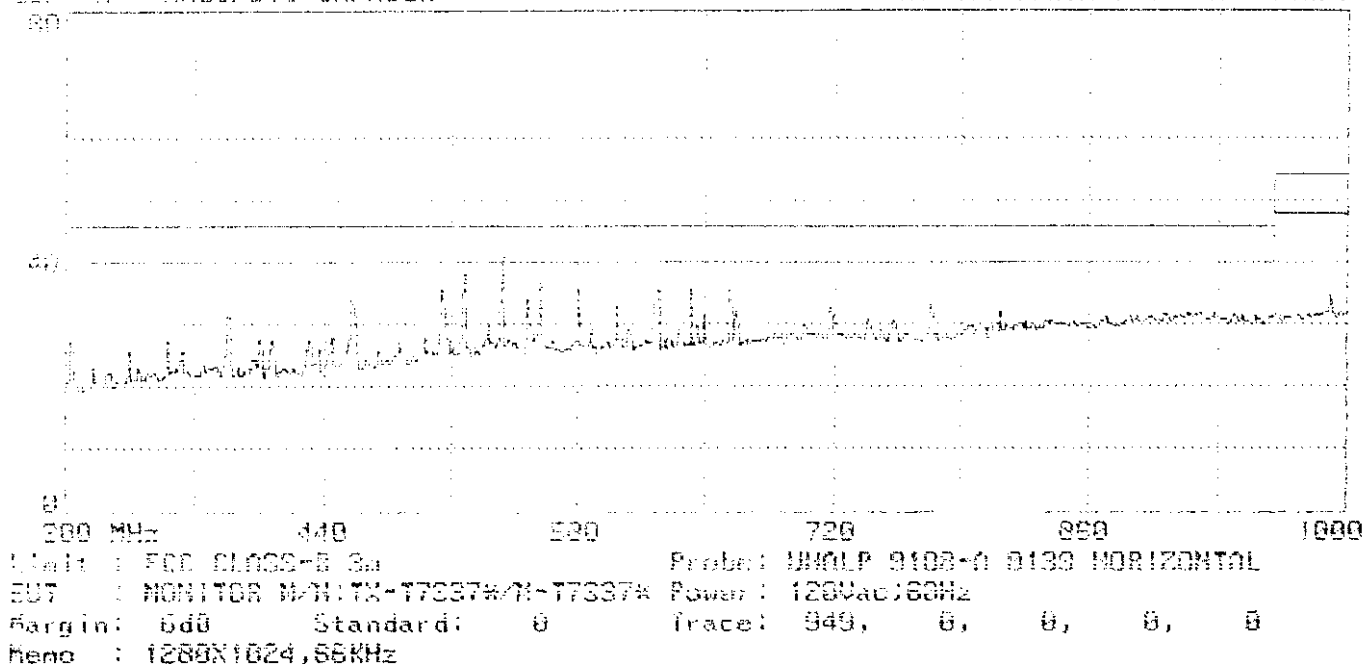
Page#: 947 SP File#: MATSUSHI.E1 Date: 95-11-1999 Time: 17:56:27
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Page#: 948 SP File#: MATSUSHI.E1 Date: 95-11-1999 Time: 17:58:06
dBμV/m ANECHOIC CHAMBER TAIWAN TOKIN EMC ENG. CORP.



Page#: 948 SP File#: MATSUSHI.E1 Date: 05-11-1999 Time: 18:01:18
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Page#: 950 SP File#: MATSUSHI.E1 Date: 05-11-1999 Time: 18:02:49
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