APPLICATION FOR CERTIFICATION
(FCC CFR47 PART 15 DIGITAL DEVICE)

On Behalf of

LG Electronics USA

LCD AV Monitor

Model：MW-30LZ10

FCC ID：BEJMW30LZ10

Brand: LG

Prepared for : LG Electronics USA
6133 N River Rd., Suite 1100,
Rosemont IL US.

Prepared by : Taiwan Tokin EMC Eng. Corp.
No. 53-11, Tin-Fu Tsun, Lin-Kou,
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File Number	:	ATM-G91617
Report Number	:	TTEMC-F91113
Date of Test	:	Jul. 03 ~ 23, 2002
Date of Report	:	Jul. 31, 2002

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TEST REPORT CERTIFICATION

Applicant	:	LG Electronics USA		
Manufacturer	:	LG Electronics Inc.		
FCC ID	:	BEJMW30LZ10		
EUT Description	:	LCD AV Monitor		
		(A) MODEL NO.	:	MW-30LZ10
		(B) SERIAL NO.	:	N/A
		(C) BRAND	:	LG
		(D) POWER SUPPLY	:	AC 120V, 60Hz

Measurement Procedure Used:

FCC RULES AND CISPR 22 (DOCKET NO. 92-152, SEP. 1993) AND
FCC / ANSI C63.4-1992
(FCC CFR 47, Part 15 Subpart B/2002 and CISPR 22/1997 +A1/2000)

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 CISPR 22 Class B limits both radiated and conducted emissions and above 1000MHz compared to the FCC Part 15 Subject B radiated limit.

The measurement results are contained in this test report and TAIWAN TOKIN EMC ENG. CORP. is assumed full responsibility for the accuracy and completeness of these measurements. Also, this report shows that the EUT to be technically compliance with the FCC official limits.

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

(NOTE: These results are deemed satisfactory evidence of compliance with ICES-003 of the Canadian Interference-Causing Equipment Regulations.)

Date of Test : Jul. 03 ~ 23, 2002

Prepared By: Monica Chang Aug. 01 2002
(Monica Chang/Officer)

Test Engineer : Allen Wang Aug. 01 2002
(Allen Wang/Deputy Manager)

Approve & Authorized Signer : 8/1/02
(Jackie Deng/Assistant General Manager)

1. GENERAL INFORMATION

1.1. Description of Device (EUT)

Description	:	LCD AV Monitor
Model Number	:	MW-30LZ10
FCC ID	:	BEJMW30LZ10
Brand	:	LG
Applicant	:	LG Electronics USA 6133 N River Rd., Suite 1100, Rosemont IL US.
Manufacturer	:	LG Electronics Inc. (Kumi TV Plant.) Kumi TV Plant. 642, Jinpyung-dong, Kumi-City, Kyoungsang Buk-do, 730-360, Korea
Scanning Frequency (RGB 1)	:	Horizontal: 31kHz-80kHz Vertical: 56Hz-120Hz
Scanning Frequency (RGB 2)	:	Horizontal: 31kHz-80kHz Vertical: 56Hz-85Hz
Maximum Resolution	:	1280x1024
Display Panel Module	:	LG. Philips, M/N LC300W01
Remote Control	:	LG, 6710V00092E
D-Sub Data Cable (To PC)	:	Shielded, Detachable, 1.8m Bonded two ferrite cores
DVI Data Cable (To PC)	:	Shielded, Detachable, 2.0m Bonded two ferrite cores
Audio Cable (To PC)	:	Non-Shielded, Detachable, 1.3m
AV Cable (To DVD Player)	:	Non-Shielded, Detachable, 3.0m
Speaker w/Stand (L, R) (Optional)	:	Speaker: LG, AL-30SA30 Wires: Non-Shielded, Detachable, 5.0m Bonded a ferrite core
Power Cord (AC IN)	:	Non-Shielded, Detachable, 1.85m

Date of Receipt of Sample	:	Jul. 02, 2002
Date of Test	:	Jul. 03 ~ 23, 2002

1.2. Tested Supporting System Details

1.2.1. PC SYSTEM

Model Number	:	HP VECTRA XE320
Serial Number	:	SG21101967
FCC ID	:	By DoC
BSMI ID	:	3912A318
Brand	:	HP
Manufacturer	:	First International Computer, Inc.
RS232C Cable	:	Non-Shielded, Detachable, 1.8m (To EUT)
Power Cord	:	Non-Shielded, Detachable, 1.8m

1.2.2. KEYBOARD

Model Number	:	SK-2502C
Serial Number	:	M020236368
FCC ID	:	By DoC
BSMI ID	:	3872F107
Manufacturer	:	Silitek (Brand: HP)
Data Cable	:	Non-Shielded, Undetachable, 1.8m

1.2.3. PRINTER

Model Number	:	2225C+
Serial Number	:	3121S96627
FCC ID	:	DSI6XU2225
Manufacturer	:	Hewlett Packard
Power Adapter	:	Hewlett Packard, M/N 82241A
Data Cable	:	Non-Shielded, Undetachable, 2.0m Shielded, Detachable, 1.2m

1.2.4. MOUSE

Model Number	:	M-S35
Serial Number	:	LZA82103133
FCC ID	:	DZL211029
BSMI ID	:	4862A011
Manufacturer	:	Logitech
Data Cable	:	Non-Shielded, Undetachable, 1.8m

1.2.5. USB MOUSE

Model Number	:	CREUBB
Serial Number	:	N/A
FCC ID	:	NHM-CREUBE
BSMI ID	:	3872F083
Manufacturer	:	CRE Technology Co., Ltd.
Data Cable	:	Shielded, Undetachable, 1.8m

1.2.6. MICROPHONE

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

1.2.7. WALKMAN

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

1.2.8. DVD PLAYER

Model Number	:	DV-S6D
Serial Number	:	TLKR003935TA
Manufacturer	:	Pioneer
S-Video Cable	:	Non-Shielded, Detachable, 1.8m (To EUT)
AV Cable	:	Non-Shielded, Detachable, 1.8m (To EUT)
Power Cord	:	Non-Shielded, Detachable, 2.0m

1.3. Description of Test Facility

Site Description (No. 6 Open Site)	:	Aug. 10, 2000 File on Federal Communication Commission Registration Number: 98448
Site Description (Semi-Anechoic Chamber)	:	May 16, 2000 Re-file on Federal Communication Commission Registration Number: 90993
Name of Firm	:	Taiwan Tokin EMC Eng. Corp.
Site Location #1	:	No. 53-11, Tin-Fu Tsun, Lin-Kou, Taipei Hsien, Taiwan, R.O.C.
Site Location #2	:	No. 67-4, Tin-Fu Tsun, Lin-Kou, Taipei Hsien, Taiwan, R.O.C.
NVLAP Lab Code	:	200077-0
DAR- Registration No.	:	DAT-P-092/99-00e

1.4. Measurement Uncertainty

Test Item	Frequency Range	Uncertainty (dB)
Conduction Test	150KHz~30MHz	±2.66dB
Radiation Test (Distance: 10m)	30MHz~300MHz	+4.5dB / –4.5dB
	300MHz~1000MHz	+3.88dB / –3.84dB
Radiation Test (Distance: 3m)	30MHz~300MHz	+4.26dB / –4.22dB
	300MHz~1000MHz	+5.28dB / –4.0dB

Remark：Uncertainty = Kμc(y)

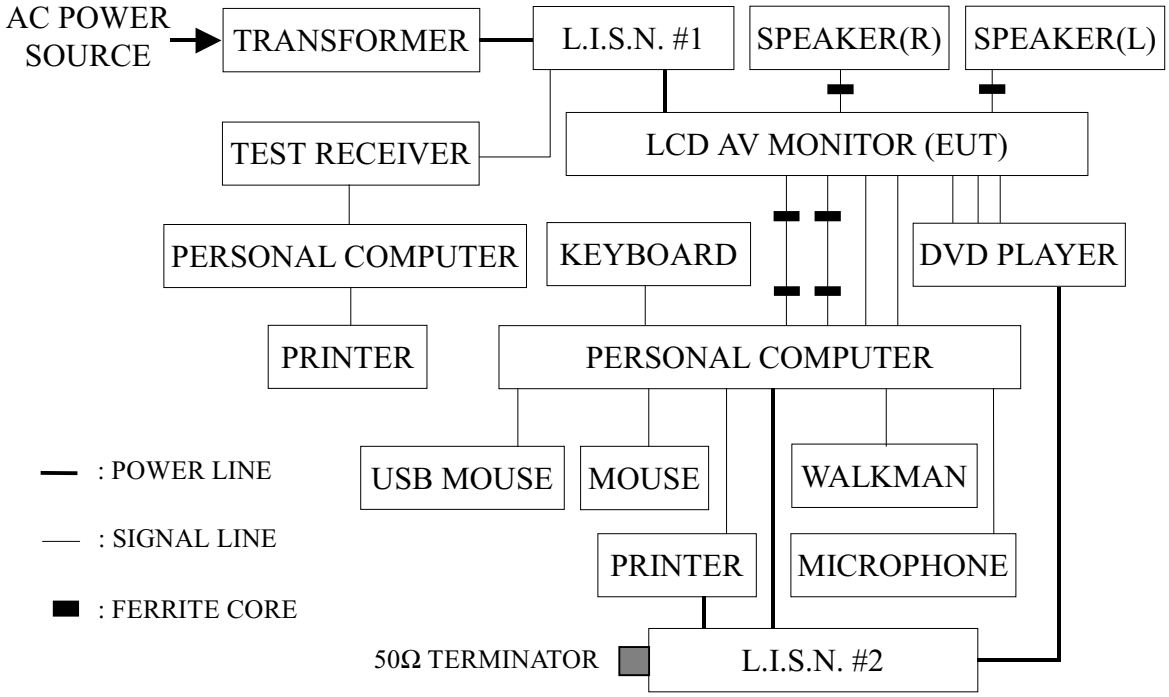
2. POWERLINE CONDUCTED TEST

2.1. Test Equipment

The following test equipment are used during the power line conducted tests：

Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Test Receiver	Rohde & Schwarz	ESCS30	100039	Jun. 13. 02’	1 Year
2.	L.I.S.N. #1	Kyoritsu	KNW-407	8-1370-10	May 29, 02’	1 Year
3.	L.I.S.N. #2	Kyoritsu	KNW-407	8-1370-9	May 29, 02’	1 Year

2.2. Block Diagram of Test Setup



2.3. Powerline Conducted Emission Limit (CISPR 22, Class B)

Frequency	Maximum RF Line Voltage	
	Quasi-Peak Level	Average Level
150KHz ~ 500KHz	66 ~ 56 dB	56 ~ 46 dB
500KHz ~ 5MHz	56 dB	46 dB
5MHz ~ 30MHz	60 dB	50 dB

2.4. EUT's Configuration during Compliance Measurement

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

2.4.1. LCD AV Monitor (EUT)

Model Number	:	MMW-30LZ10
Serial Number	:	N/A
Brand	:	LG
FCC ID	:	BEJMW30LZ10
Manufacturer	:	LG Electronics Inc.
Scanning Frequency (RGB 1)	:	Horizontal: 31kHz-80kHz Vertical: 56Hz-120Hz
Scanning Frequency (RGB 2)	:	Horizontal: 31kHz-80kHz Vertical: 56Hz-85Hz
Maximum Resolution	:	1280x1024
Display Panel Module	:	LG. Philips, M/N LC300W01
Remote Control	:	LG, 6710V00092E
D-Sub Data Cable (To PC)	:	Shielded, Detachable, 1.8m Bonded two ferrite cores
DVI Data Cable (To PC)	:	Shielded, Detachable, 2.0m Bonded two ferrite cores
Audio Cable (To PC)	:	Non-Shielded, Detachable, 1.3m
AV Cable (To DVD Player)	:	Non-Shielded, Detachable, 3.0m
Speaker w/Stand (L, R) (Optional)	:	Speaker: LG, AL-30SA30 Wires: Non-Shielded, Detachable, 5.0m Bonded a ferrite core
Power Cord (AC IN)	:	Non-Shielded, Detachable, 1.85m

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. Turned on the power of all equipment.

2.5.3. The Personal computer read data from disk.

2.5.4. The Personal computer performed the EMI self-test program "Hwin", and sent "H" characters to the LCD AV Monitor (EUT), then the screen of LCD AV Monitor (EUT) displayed "H" patterns by EUT's resolution via D-Sub or DVI input.

2.5.5. The DVD Player played a DVD Movie and sent the image & sound to the LCD AV Monitor (EUT) via Component input、S-Video input or AV input.

2.5.6. The LCD AV Monitor (EUT) displayed character "H" and image "DVD-Movie" at the same time in the PIP (Picture in Picture) Mode.

2.5.7. 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) and the other peripheral devices power cord were connected to the power mains through a line impedance stabilization network (L.I.S.N. #2) This provided a 50 ohm coupling impedance for the measuring equipment. (Please refer to the block diagram of the test setup and photographs.)
Both sides of A.C. line were checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment 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 ESCS30 was set at 9KHz.

The frequency range from 150KHz to 30MHz was checked.

2.7. Line Conducted RF Voltage Measurement Results

PASSED. Please refer to the following pages.
All emissions not reported below are too low against the prescribed limits.

EUT with the following test modes were done on conducted measurement, and all the test results are attached in the next pages.

(Test Date: Jul. 04, 2002 Temperature: 26℃ Humidity: 53 %)

No.	Input Port	Display of EUT	Reference Data #
1.	RGB 1 Input/ D-Sub	Character “H”, 800*600/100Hz, 64kHz	# 79 (80, 81); # 82 (83, 84).
2.	RGB 1 Input/ D-Sub	Character “H”, 1024*768/85Hz, 69kHz	# 88 (89, 90); # 85 (86, 87).
3.	RGB 1 Input/ D-Sub	Character “H”, 1280*1024/75Hz, 80kHz	# 91 (92, 93); # 94 (95, 96).
4.	RGB 2 Input/ DVI	Character “H”, 800*600/85Hz, 54kHz	# 76 (77, 78); # 73 (74, 75).
5.	RGB 2 Input/ DVI	Character “H”, 1024*768/85Hz, 69kHz	# 67 (68, 69); # 70 (71, 72).
6.	RGB 2 Input/ DVI	Character “H”, 1280*1024/75Hz, 80kHz	# 64 (65, 66); # 61 (62, 63).
7.	AV Input	Image “DVD Movie”	# 103 (104, 105); # 106 (107, 108).
8.	S-Video Input	Image “DVD Movie”	# 112 (113, 114); # 109 (110, 111).
9.	Component Input (DVD)	Image “DVD Movie”	# 100 (101, 102); # 97 (98, 99).
10.	D-Sub & Component Inputs (PIP)	Character “H” + Image “DVD Movie” 1280*1024/75Hz, 80kHz	# 115 (116, 117); # 118 (119, 120).

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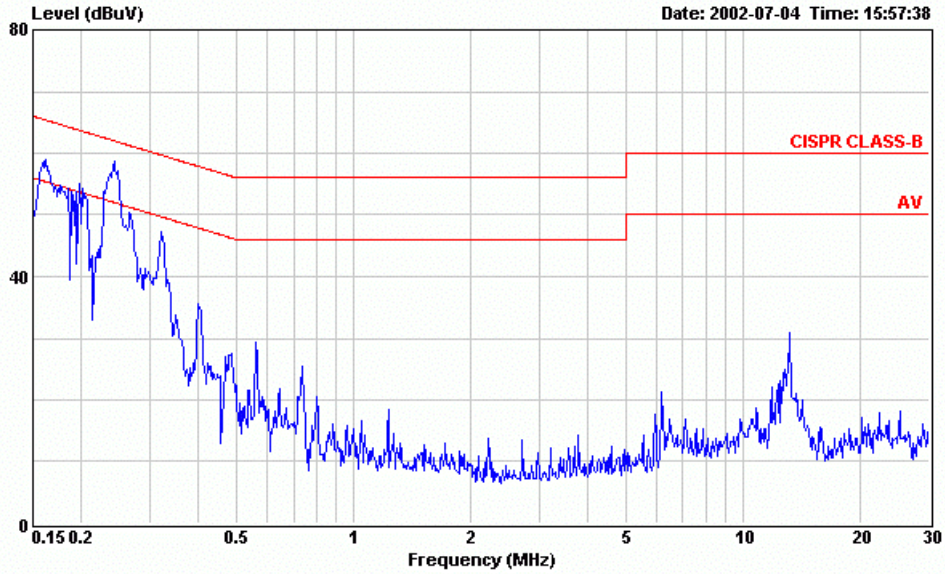

Site : No.3 Shielded room
Condition : CISPR CLASS-B KNW-407 NEUTRAL
EUT : LCD AV Monitor M/N:MW-30LZ10
Power : 120Vac/60Hz
Memo : 800*600/100Hz 64KHz(D-SUB)
Environment : 26/53

Data#: 80 File#: D:\Lg-13.emi

Date: 2002-07-04 Time: 15:58:18

Site : No.3 Shielded room
Condition : CISPR CLASS-B KNW-407 NEUTRAL
EUT : LCD AV Monitor M/N:MW-30LZ10
Power : 120Vac/60Hz
Memo : 800*600/100Hz 64KHz(D-SUB)
Environment : 26/53

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1 !	0.161	56.76	-8.66	65.42	56.16	0.40	0.20	QP
2	0.198	51.99	-11.70	63.69	51.49	0.30	0.20	QP
3 !	0.246	54.99	-6.89	61.88	54.49	0.30	0.20	QP
4	0.321	44.88	-14.81	59.69	44.38	0.30	0.20	QP
5	0.403	34.75	-23.05	57.80	34.25	0.30	0.20	QP
6	13.218	29.52	-30.48	60.00	28.12	0.70	0.70	QP

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	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1 !	0.161	52.85	-2.57	55.42	52.25	0.40	0.20	Average
2 !	0.198	44.49	-9.20	53.69	43.99	0.30	0.20	Average
3 !	0.246	49.03	-2.85	51.88	48.53	0.30	0.20	Average
4 !	0.321	43.25	-6.44	49.69	42.75	0.30	0.20	Average
5	0.403	33.33	-14.47	47.80	32.83	0.30	0.20	Average
6	13.218	25.06	-24.94	50.00	23.66	0.70	0.70	Average

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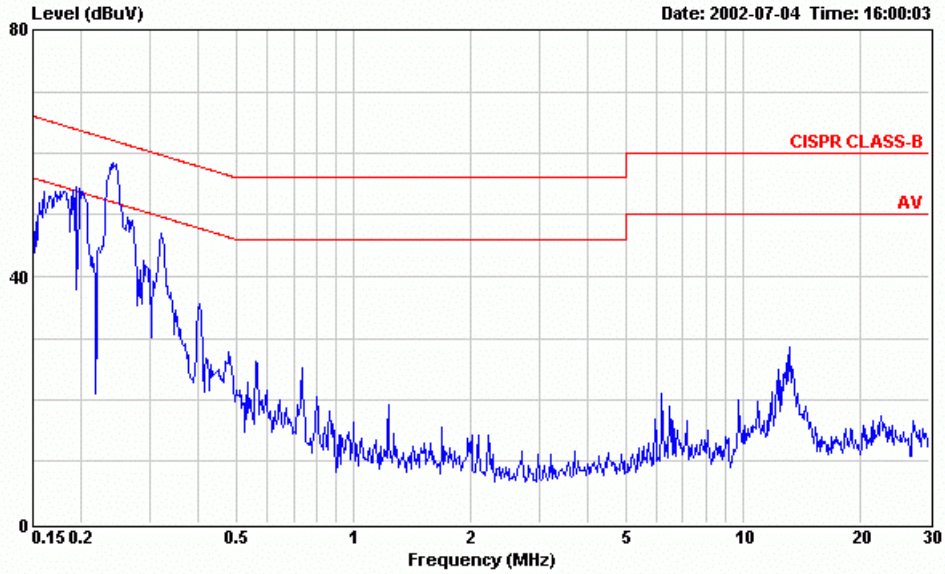

Site : No.3 Shielded room
Condition : CISPR CLASS-B KNW-407 LINE
EUT : LCD AV Monitor M/N:MW-30LZ10
Power : 120Vac/60Hz
Memo : 800*600/100Hz 64KHz(D-SUB)
Environment : 26/53

Data#: 83 File#: D:\Lg-13.emi

Date: 2002-07-04 Time: 16:00:32

Site : No.3 Shielded room
Condition : CISPR CLASS-B KNW-407 LINE
EUT : LCD AV Monitor M/N:MW-30LZ10
Power : 120Vac/60Hz
Memo : 800*600/100Hz 64KHz(D-SUB)
Environment : 26/53

		Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Remark
		MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1		0.162	51.26	-14.09	65.35	50.66	0.40	0.20	QP
2		0.197	51.55	-12.19	63.74	51.05	0.30	0.20	QP
3	!	0.241	55.67	-6.39	62.06	55.17	0.30	0.20	QP
4		0.321	44.75	-14.94	59.69	44.25	0.30	0.20	QP
5		0.403	34.16	-23.64	57.80	33.66	0.30	0.20	QP
6		13.220	28.07	-31.93	60.00	26.67	0.70	0.70	QP

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		Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Remark
		MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	!	0.162	45.97	-9.38	55.35	45.37	0.40	0.20	Average
2		0.197	37.37	-16.37	53.74	36.87	0.30	0.20	Average
3	!	0.241	49.91	-2.15	52.06	49.41	0.30	0.20	Average
4	!	0.321	43.02	-6.67	49.69	42.52	0.30	0.20	Average
5		0.403	32.27	-15.53	47.80	31.77	0.30	0.20	Average
6		13.220	22.79	-27.21	50.00	21.39	0.70	0.70	Average

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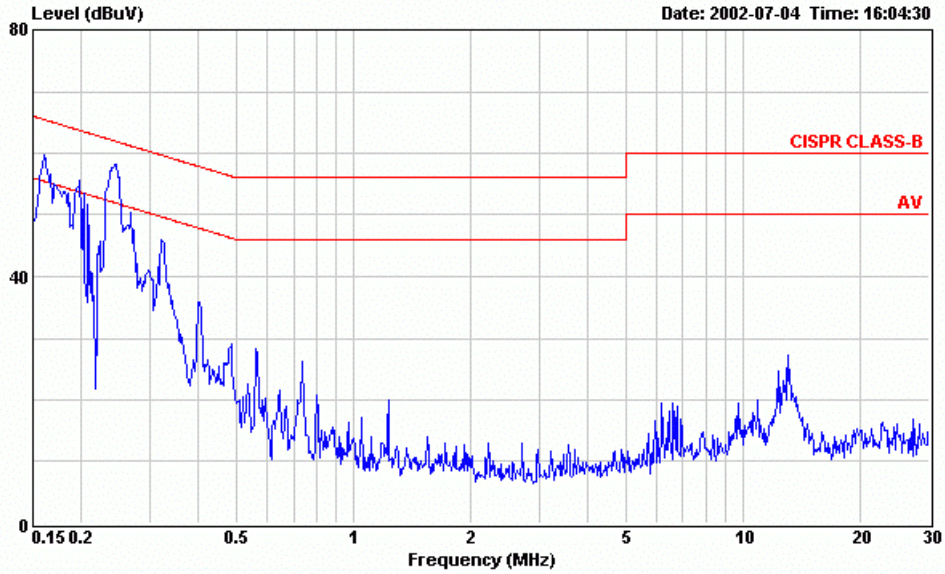

Site : No.3 Shielded room
Condition : CISPR CLASS-B KNW-407 NEUTRAL
EUT : LCD AV Monitor M/N:MW-30LZ10
Power : 120Vac/60Hz
Memo : 1024*768/85Hz 69KHz(D-SUB)
Environment : 26/53

Data#: 89 File#: D:\Lg-13.emi

Date: 2002-07-04 Time: 16:04:34

Site : No.3 Shielded room
Condition : CISPR CLASS-B KNW-407 NEUTRAL
EUT : LCD AV Monitor M/N:MW-30LZ10
Power : 120Vac/60Hz
Memo : 1024*768/85Hz 69KHz(D-SUB)
Environment : 26/53

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1 !	0.162	56.34	-9.01	65.35	55.74	0.40	0.20	QP
2	0.199	51.95	-11.68	63.63	51.45	0.30	0.20	QP
3 !	0.246	55.01	-6.87	61.88	54.51	0.30	0.20	QP
4	0.323	44.55	-15.07	59.62	44.05	0.30	0.20	QP
5	0.403	34.81	-22.99	57.80	34.31	0.30	0.20	QP
6	13.235	30.44	-29.56	60.00	29.04	0.70	0.70	QP

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	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1 !	0.162	52.61	-2.74	55.35	52.01	0.40	0.20	Average
2 !	0.199	45.16	-8.47	53.63	44.66	0.30	0.20	Average
3 !	0.246	49.07	-2.81	51.88	48.57	0.30	0.20	Average
4 !	0.323	43.16	-6.46	49.62	42.66	0.30	0.20	Average
5	0.403	33.39	-14.41	47.80	32.89	0.30	0.20	Average
6	13.235	24.88	-25.12	50.00	23.48	0.70	0.70	Average

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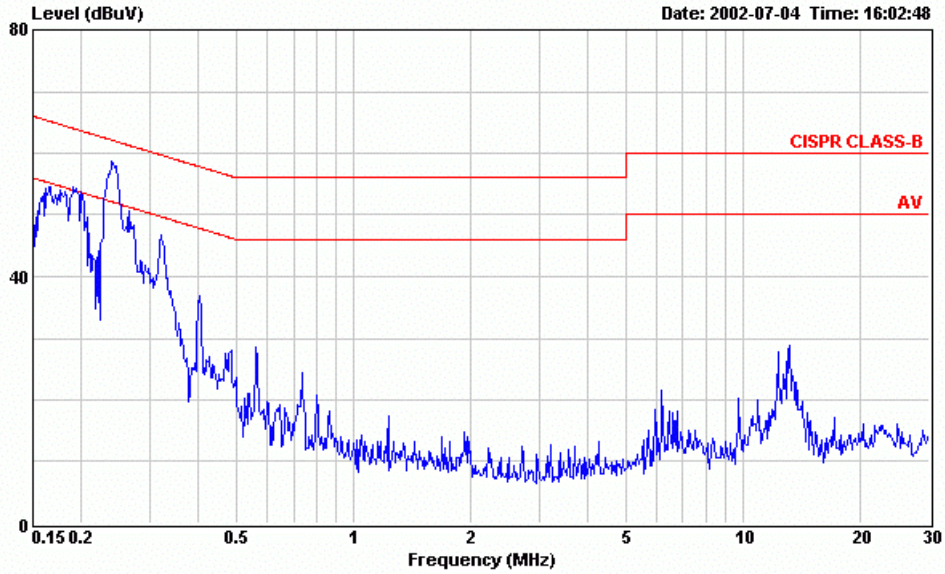

Site : No.3 Shielded room
Condition : CISPR CLASS-B KNW-407 LINE
EUT : LCD AV Monitor M/N:MW-30LZ10
Power : 120Vac/60Hz
Memo : 1024*768/85Hz 69KHz(D-SUB)
Environment : 26/53

Data#: 86 File#: D:\Lg-13.emi

Date: 2002-07-04 Time: 16:02:51

Site : No.3 Shielded room
Condition : CISPR CLASS-B KNW-407 LINE
EUT : LCD AV Monitor M/N:MW-30LZ10
Power : 120Vac/60Hz
Memo : 1024*768/85Hz 69KHz(D-SUB)
Environment : 26/53

		Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Remark
		MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1		0.163	50.54	-14.75	65.29	49.94	0.40	0.20	QP
2		0.198	51.41	-12.28	63.69	50.91	0.30	0.20	QP
3	!	0.242	55.59	-6.43	62.02	55.09	0.30	0.20	QP
4		0.322	44.73	-14.93	59.66	44.23	0.30	0.20	QP
5		0.404	33.10	-24.67	57.77	32.60	0.30	0.20	QP
6		13.218	27.26	-32.74	60.00	25.86	0.70	0.70	QP

Data#: 87 File#: D:\Lg-13.emi

		Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Remark
		MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1		0.163	44.61	-10.68	55.29	44.01	0.40	0.20	Average
2		0.198	38.07	-15.62	53.69	37.57	0.30	0.20	Average
3	!	0.242	48.18	-3.84	52.02	47.68	0.30	0.20	Average
4	!	0.322	43.35	-6.31	49.66	42.85	0.30	0.20	Average
5		0.404	31.46	-16.31	47.77	30.96	0.30	0.20	Average
6		13.218	21.17	-28.83	50.00	19.77	0.70	0.70	Average

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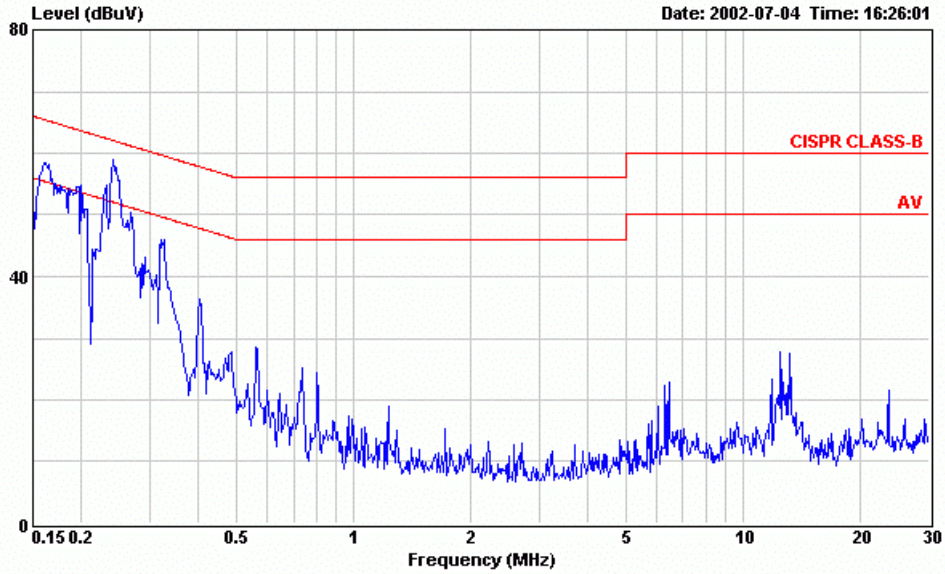
Email:ttemc@ttemc.com.tw

Data#: 91 File#: D:\Lg-13.emi



Site : No.3 Shielded room
Condition : CISPR CLASS-B KNW-407 NEUTRAL
EUT : LCD AV Monitor M/N:MW-30LZ10
Power : 120Vac/60Hz
Memo : 1280*1024/75Hz 80KHz(D-SUB)
Environment : 26/53

Data#: 92 File#: D:\Lg-13.emi

Date: 2002-07-04 Time: 16:26:34

Site : No.3 Shielded room
Condition : CISPR CLASS-B KNW-407 NEUTRAL
EUT : LCD AV Monitor M/N:MW-30LZ10
Power : 120Vac/60Hz
Memo : 1280*1024/75Hz 80KHz(D-SUB)
Environment : 26/53

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1 !	0.161	56.64	-8.78	65.42	56.04	0.40	0.20	QP
2	0.198	51.55	-12.14	63.69	51.05	0.30	0.20	QP
3 !	0.246	54.95	-6.93	61.88	54.45	0.30	0.20	QP
4	0.322	44.31	-15.35	59.66	43.81	0.30	0.20	QP
5	0.405	33.24	-24.50	57.74	32.74	0.30	0.20	QP
6	13.220	26.42	-33.58	60.00	25.02	0.70	0.70	QP

Data#: 93 File#: D:\Lg-13.emi

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1 !	0.161	51.86	-3.56	55.42	51.26	0.40	0.20	Average
2 !	0.198	44.09	-9.60	53.69	43.59	0.30	0.20	Average
3 !	0.246	49.18	-2.70	51.88	48.68	0.30	0.20	Average
4 !	0.322	43.24	-6.42	49.66	42.74	0.30	0.20	Average
5	0.405	32.06	-15.68	47.74	31.56	0.30	0.20	Average
6	13.220	19.73	-30.27	50.00	18.33	0.70	0.70	Average

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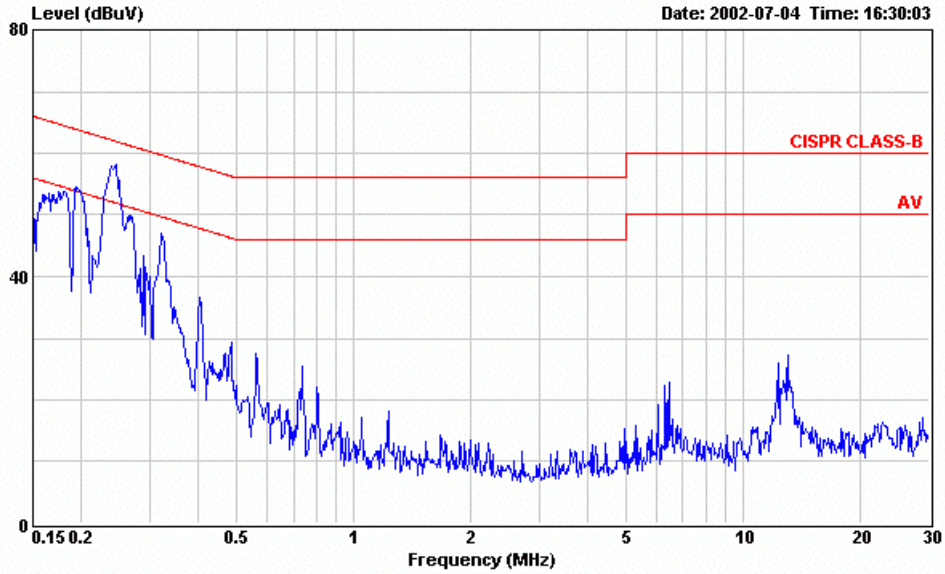
Email:ttemc@ttemc.com.tw

Data#: 94 File#: D:\Lg-13.emi



Site : No.3 Shielded room
Condition : CISPR CLASS-B KNW-407 LINE
EUT : LCD AV Monitor M/N:MW-30LZ10
Power : 120Vac/60Hz
Memo : 1280*1024/75Hz 80KHz(D-SUB)
Environment : 26/53

Data#: 95 File#: D:\Lg-13.emi

Date: 2002-07-04 Time: 16:30:08

Site : No.3 Shielded room
Condition : CISPR CLASS-B KNW-407 LINE
EUT : LCD AV Monitor M/N:MW-30LZ10
Power : 120Vac/60Hz
Memo : 1280*1024/75Hz 80KHz(D-SUB)
Environment : 26/53

		Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Remark
		MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1		0.162	51.50	-13.85	65.35	50.90	0.40	0.20	QP
2		0.197	51.59	-12.15	63.74	51.09	0.30	0.20	QP
3	!	0.242	55.55	-6.46	62.01	55.05	0.30	0.20	QP
4		0.325	43.60	-15.99	59.59	43.10	0.30	0.20	QP
5		0.404	33.86	-23.91	57.77	33.36	0.30	0.20	QP
6		13.234	27.55	-32.45	60.00	26.15	0.70	0.70	QP

Data#: 96 File#: D:\Lg-13.emi

		Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Remark
		MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	!	0.162	46.85	-8.50	55.35	46.25	0.40	0.20	Average
2		0.197	37.21	-16.53	53.74	36.71	0.30	0.20	Average
3	!	0.242	49.20	-2.81	52.01	48.70	0.30	0.20	Average
4	!	0.325	42.36	-7.23	49.59	41.86	0.30	0.20	Average
5		0.404	32.20	-15.57	47.77	31.70	0.30	0.20	Average
6		13.234	21.11	-28.89	50.00	19.71	0.70	0.70	Average

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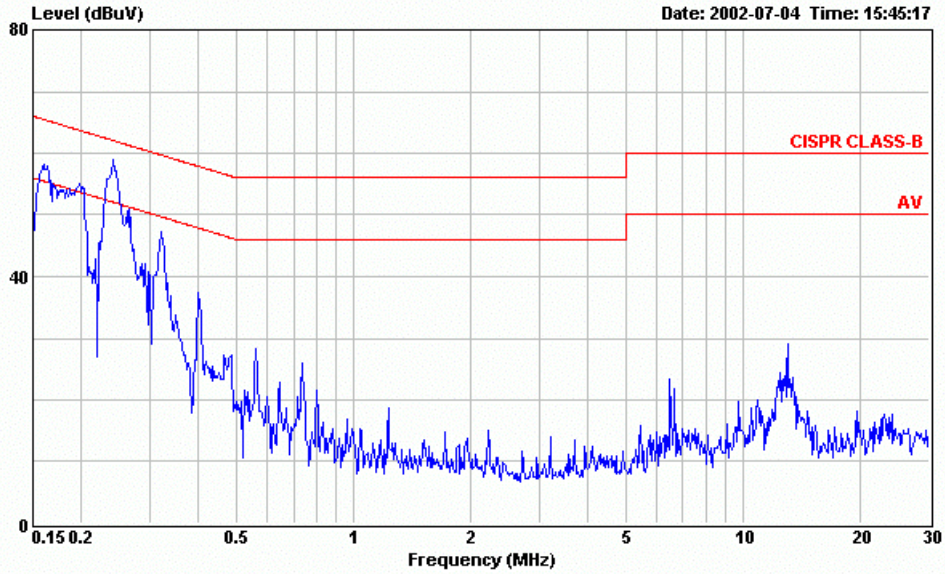
Data#: 76 File#: D:\Lg-13.emi



Site : No.3 Shielded room
Condition : CISPR CLASS-B KNW-407 NEUTRAL
EUT : LCD AV Monitor M/N:MW-30LZ10
Power : 120Vac/60Hz
Memo : 800*600/85Hz 54KHz(DVI)
Environment : 26/53

Data#: 77 File#: D:\Lg-13.emi

Date: 2002-07-04 Time: 15:46:00

Site : No.3 Shielded room
Condition : CISPR CLASS-B KNW-407 NEUTRAL
EUT : LCD AV Monitor M/N:MW-30LZ10
Power : 120Vac/60Hz
Memo : 800*600/85Hz 54KHz(DVI)
Environment : 26/53

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1 !	0.162	55.70	-9.66	65.36	55.10	0.40	0.20	QP
2	0.197	51.67	-12.07	63.74	51.17	0.30	0.20	QP
3 !	0.246	54.72	-7.16	61.88	54.22	0.30	0.20	QP
4	0.322	44.71	-14.95	59.66	44.21	0.30	0.20	QP
5	0.401	34.97	-22.85	57.82	34.47	0.30	0.20	QP
6	13.239	28.86	-31.14	60.00	27.46	0.70	0.70	QP

Data#: 78 File#: D:\Lg-13.emi

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1 !	0.162	51.82	-3.54	55.36	51.22	0.40	0.20	Average
2	0.197	43.36	-10.38	53.74	42.86	0.30	0.20	Average
3 !	0.246	49.07	-2.81	51.88	48.57	0.30	0.20	Average
4 !	0.322	43.56	-6.10	49.66	43.06	0.30	0.20	Average
5	0.401	33.41	-14.41	47.82	32.91	0.30	0.20	Average
6	13.239	24.22	-25.78	50.00	22.82	0.70	0.70	Average

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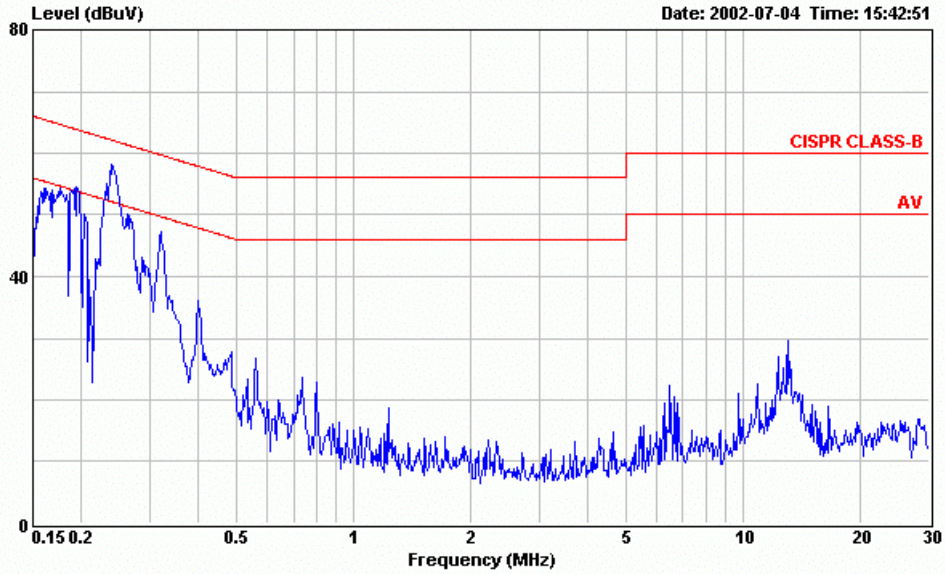
Data#: 73 File#: D:\Lg-13.emi



Site : No.3 Shielded room
Condition : CISPR CLASS-B KNW-407 LINE
EUT : LCD AV Monitor M/N:MW-30LZ10
Power : 120Vac/60Hz
Memo : 800*600/85Hz 54KHz(DVI)
Environment : 26/53

Data#: 74 File#: D:\Lg-13.emi

Date: 2002-07-04 Time: 15:43:22

Site : No.3 Shielded room
Condition : CISPR CLASS-B KNW-407 LINE
EUT : LCD AV Monitor M/N:MW-30LZ10
Power : 120Vac/60Hz
Memo : 800*600/85Hz 54KHz(DVI)
Environment : 26/53

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.163	50.86	-14.43	65.29	50.26	0.40	0.20	QP
2	0.199	50.93	-12.74	63.67	50.43	0.30	0.20	QP
3 !	0.241	54.80	-7.26	62.06	54.30	0.30	0.20	QP
4	0.322	44.82	-14.84	59.66	44.32	0.30	0.20	QP
5	0.400	34.56	-23.29	57.85	34.06	0.30	0.20	QP
6	13.237	30.04	-29.96	60.00	28.64	0.70	0.70	QP

Data#: 75 File#: D:\Lg-13.emi

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.163	44.41	-10.88	55.29	43.81	0.40	0.20	Average
2	0.199	38.18	-15.49	53.67	37.68	0.30	0.20	Average
3 !	0.241	49.30	-2.76	52.06	48.80	0.30	0.20	Average
4 !	0.322	43.36	-6.30	49.66	42.86	0.30	0.20	Average
5	0.400	32.39	-15.46	47.85	31.89	0.30	0.20	Average
6	13.237	25.17	-24.83	50.00	23.77	0.70	0.70	Average

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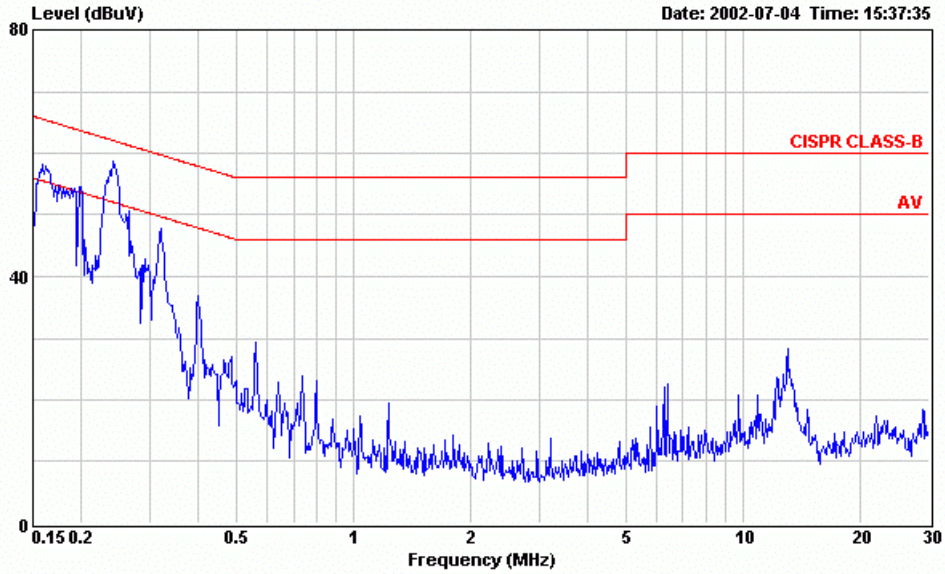
Data#: 67 File#: D:\Lg-13.emi



Site : No.3 Shielded room
Condition : CISPR CLASS-B KNW-407 NEUTRAL
EUT : LCD AV Monitor M/N:MW-30LZ10
Power : 120Vac/60Hz
Memo : 1024*768/85Hz 69KHz(DVI)
Environment : 26/53

Data#: 68 File#: D:\Lg-13.emi

Date: 2002-07-04 Time: 15:38:04

Site : No.3 Shielded room
Condition : CISPR CLASS-B KNW-407 NEUTRAL
EUT : LCD AV Monitor M/N:MW-30LZ10
Power : 120Vac/60Hz
Memo : 1024*768/85Hz 69KHz(DVI)
Environment : 26/53

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1 !	0.160	56.48	-9.01	65.49	55.88	0.40	0.20	QP
2	0.199	51.55	-12.09	63.64	51.05	0.30	0.20	QP
3 !	0.246	54.42	-7.47	61.89	53.92	0.30	0.20	QP
4	0.321	44.82	-14.85	59.67	44.32	0.30	0.20	QP
5	0.401	34.73	-23.09	57.82	34.23	0.30	0.20	QP
6	13.237	30.32	-29.68	60.00	28.92	0.70	0.70	QP

Data#: 69 File#: D:\Lg-13.emi

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1 !	0.160	52.12	-3.37	55.49	51.52	0.40	0.20	Average
2 !	0.199	44.83	-8.81	53.64	44.33	0.30	0.20	Average
3 !	0.246	49.01	-2.88	51.89	48.51	0.30	0.20	Average
4 !	0.321	43.62	-6.05	49.67	43.12	0.30	0.20	Average
5	0.401	33.32	-14.50	47.82	32.82	0.30	0.20	Average
6	13.237	25.09	-24.91	50.00	23.69	0.70	0.70	Average

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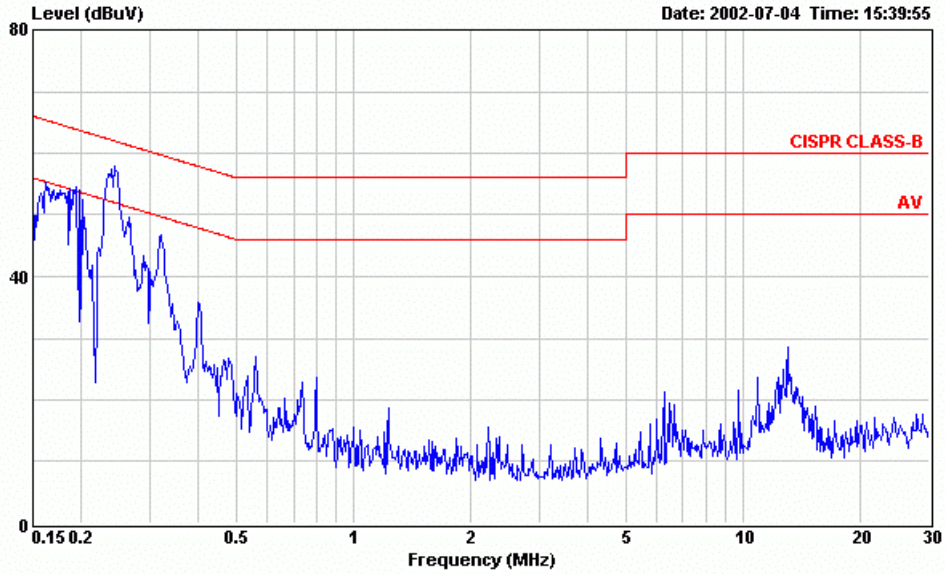
Data#: 70 File#: D:\Lg-13.emi



Site : No.3 Shielded room
Condition : CISPR CLASS-B KNW-407 LINE
EUT : LCD AV Monitor M/N:MW-30LZ10
Power : 120Vac/60Hz
Memo : 1024*768/85Hz 69KHz(DVI)
Environment : 26/53

Data#: 71 File#: D:\Lg-13.emi

Date: 2002-07-04 Time: 15:40:33

Site : No.3 Shielded room
Condition : CISPR CLASS-B KNW-407 LINE
EUT : LCD AV Monitor M/N:MW-30LZ10
Power : 120Vac/60Hz
Memo : 1024*768/85Hz 69KHz(DVI)
Environment : 26/53

		Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Remark
		MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1		0.162	51.26	-14.10	65.36	50.66	0.40	0.20	QP
2		0.200	49.90	-13.72	63.62	49.40	0.30	0.20	QP
3	!	0.245	53.04	-8.89	61.93	52.54	0.30	0.20	QP
4		0.319	44.65	-15.07	59.72	44.15	0.30	0.20	QP
5		0.401	34.30	-23.52	57.82	33.80	0.30	0.20	QP
6		13.239	30.32	-29.68	60.00	28.92	0.70	0.70	QP

Data#: 72 File#: D:\Lg-13.emi

		Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Remark
		MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	!	0.162	45.80	-9.56	55.36	45.20	0.40	0.20	Average
2		0.200	37.27	-16.35	53.62	36.77	0.30	0.20	Average
3	!	0.245	48.92	-3.01	51.93	48.42	0.30	0.20	Average
4	!	0.319	43.09	-6.63	49.72	42.59	0.30	0.20	Average
5		0.401	32.53	-15.29	47.82	32.03	0.30	0.20	Average
6		13.239	25.20	-24.80	50.00	23.80	0.70	0.70	Average

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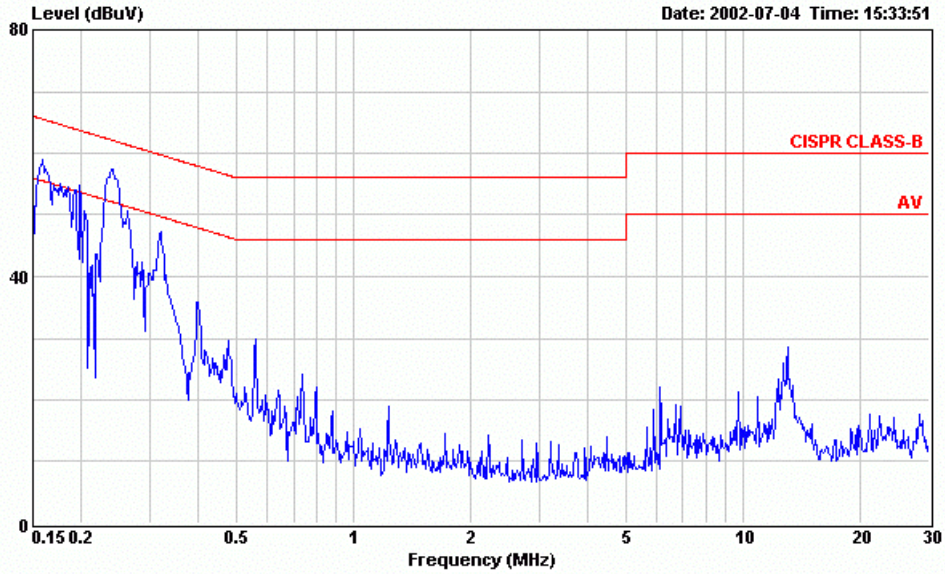
Data#: 64 File#: D:\Lg-13.emi



Site : No.3 Shielded room
Condition : CISPR CLASS-B KNW-407 NEUTRAL
EUT : LCD AV Monitor M/N:MW-30LZ10
Power : 120Vac/60Hz
Memo : 1280*1024/75Hz 80KHz(DVI)
Environment : 26/53

Data#: 65 File#: D:\Lg-13.emi

Date: 2002-07-04 Time: 15:34:33

Site : No.3 Shielded room
Condition : CISPR CLASS-B KNW-407 NEUTRAL
EUT : LCD AV Monitor M/N:MW-30LZ10
Power : 120Vac/60Hz
Memo : 1280*1024/75Hz 80KHz(DVI)
Environment : 26/53

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1 !	0.160	56.34	-9.11	65.45	55.74	0.40	0.20	QP
2	0.198	51.77	-11.94	63.71	51.27	0.30	0.20	QP
3 !	0.245	54.52	-7.39	61.91	54.02	0.30	0.20	QP
4	0.319	45.04	-14.70	59.74	44.54	0.30	0.20	QP
5	0.401	34.26	-23.57	57.83	33.76	0.30	0.20	QP
6	13.240	29.88	-30.12	60.00	28.48	0.70	0.70	QP

Data#: 66 File#: D:\Lg-13.emi

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1 !	0.160	52.35	-3.10	55.45	51.75	0.40	0.20	Average
2 !	0.198	44.29	-9.42	53.71	43.79	0.30	0.20	Average
3 !	0.245	48.78	-3.13	51.91	48.28	0.30	0.20	Average
4 !	0.319	43.58	-6.16	49.74	43.08	0.30	0.20	Average
5	0.401	32.81	-15.02	47.83	32.31	0.30	0.20	Average
6	13.240	24.25	-25.75	50.00	22.85	0.70	0.70	Average

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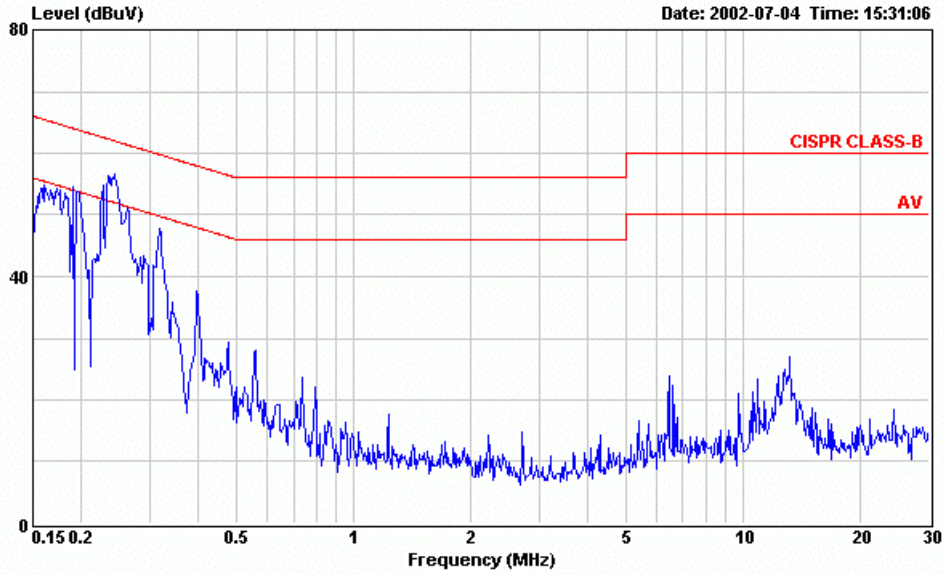
Data#: 61 File#: D:\Lg-13.emi



Site : No.3 Shielded room
Condition : CISPR CLASS-B KNW-407 LINE
EUT : LCD AV Monitor M/N:MW-30LZ10
Power : 120Vac/60Hz
Memo : 1280*1024/75Hz 80KHz(DVI)
Environment : 26/53

Data#: 62 File#: D:\Lg-13.emi

Date: 2002-07-04 Time: 15:31:41

Site : No.3 Shielded room
Condition : CISPR CLASS-B KNW-407 LINE
EUT : LCD AV Monitor M/N:MW-30LZ10
Power : 120Vac/60Hz
Memo : 1280*1024/75Hz 80KHz(DVI)
Environment : 26/53

		Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Remark
		MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1		0.161	50.92	-14.47	65.39	50.32	0.40	0.20	QP
2		0.195	51.79	-12.03	63.82	51.29	0.30	0.20	QP
3	!	0.239	54.74	-7.41	62.15	54.24	0.30	0.20	QP
4		0.318	44.96	-14.81	59.77	44.46	0.30	0.20	QP
5		0.399	35.09	-22.79	57.88	34.59	0.30	0.20	QP
6		13.241	30.02	-29.98	60.00	28.62	0.70	0.70	QP

Data#: 63 File#: D:\Lg-13.emi

		Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Remark
		MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	!	0.161	45.42	-9.97	55.39	44.82	0.40	0.20	Average
2		0.195	36.92	-16.90	53.82	36.42	0.30	0.20	Average
3	!	0.239	49.73	-2.42	52.15	49.23	0.30	0.20	Average
4	!	0.318	43.23	-6.54	49.77	42.73	0.30	0.20	Average
5		0.399	32.85	-15.03	47.88	32.35	0.30	0.20	Average
6		13.241	25.46	-24.54	50.00	24.06	0.70	0.70	Average

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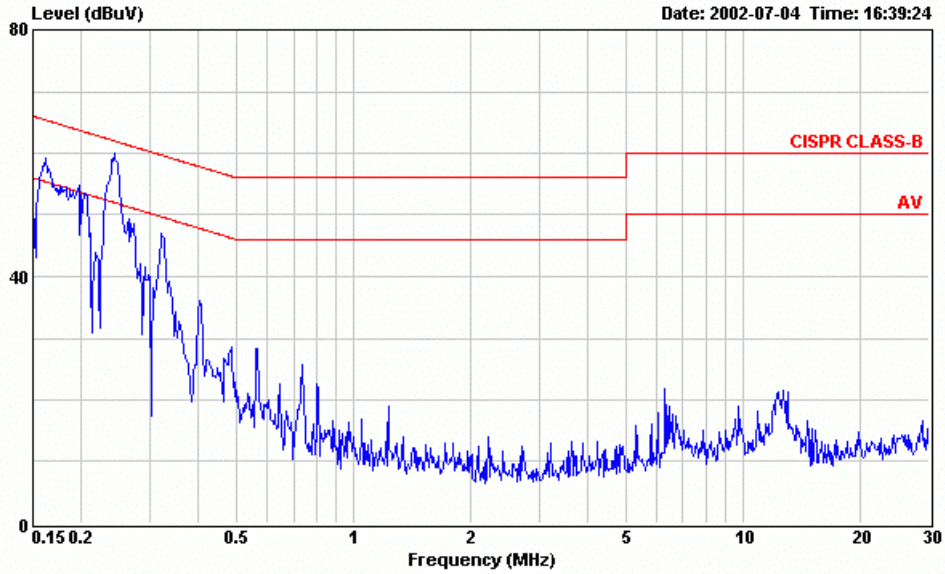
Data#: 103 File#: D:\Lg-13.emi



Site : No.3 Shielded room
Condition : CISPR CLASS-B KNW-407 NEUTRAL
EUT : LCD AV Monitor M/N:MW-30LZ10
Power : 120Vac/60Hz
Memo : AV IN
Environment : 26/53

Data#: 104 File#: D:\Lg-13.emi

Date: 2002-07-04 Time: 16:39:55

Site : No.3 Shielded room
Condition : CISPR CLASS-B KNW-407 NEUTRAL
EUT : LCD AV Monitor M/N:MW-30LZ10
Power : 120Vac/60Hz
Memo : AV IN
Environment : 26/53

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1 !	0.161	56.80	-8.60	65.40	56.20	0.40	0.20	QP
2	0.198	51.67	-12.02	63.69	51.17	0.30	0.20	QP
3 !	0.246	55.31	-6.58	61.89	54.81	0.30	0.20	QP
4	0.323	44.63	-14.99	59.62	44.13	0.30	0.20	QP
5	0.402	34.85	-22.96	57.81	34.35	0.30	0.20	QP
6	13.241	23.26	-36.74	60.00	21.86	0.70	0.70	QP

Data#: 105 File#: D:\Lg-13.emi

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1 !	0.161	52.86	-2.54	55.40	52.26	0.40	0.20	Average
2 !	0.198	44.01	-9.68	53.69	43.51	0.30	0.20	Average
3 !	0.246	49.09	-2.80	51.89	48.59	0.30	0.20	Average
4 !	0.323	43.37	-6.25	49.62	42.87	0.30	0.20	Average
5	0.402	33.00	-14.81	47.81	32.50	0.30	0.20	Average
6	13.241	16.97	-33.03	50.00	15.57	0.70	0.70	Average

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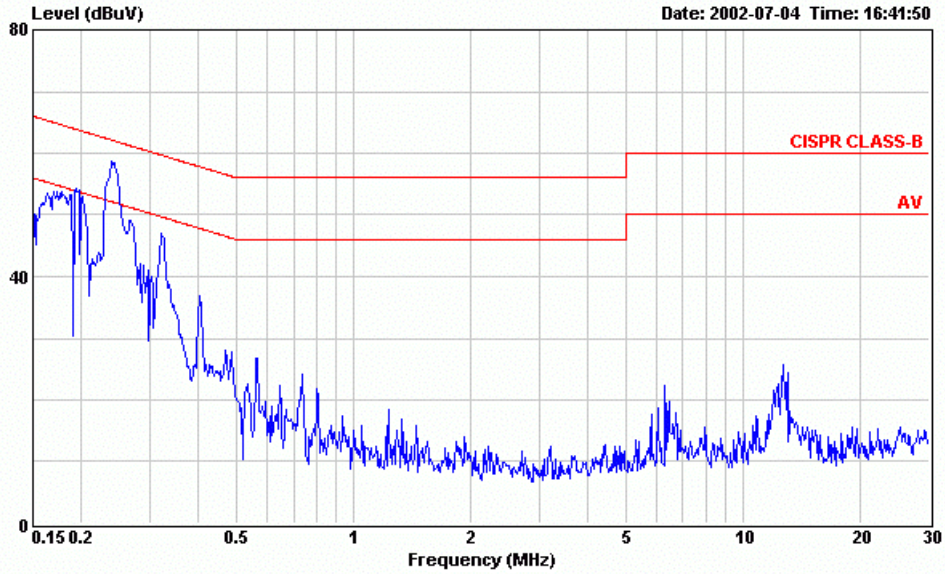
Data#: 106 File#: D:\Lg-13.emi



Site : No.3 Shielded room
Condition : CISPR CLASS-B KNW-407 LINE
EUT : LCD AV Monitor M/N:MW-30LZ10
Power : 120Vac/60Hz
Memo : AV IN
Environment : 26/53

Data#: 107 File#: D:\Lg-13.emi

Date: 2002-07-04 Time: 16:42:28

Site : No.3 Shielded room
Condition : CISPR CLASS-B KNW-407 LINE
EUT : LCD AV Monitor M/N:MW-30LZ10
Power : 120Vac/60Hz
Memo : AV IN
Environment : 26/53

		Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Remark
		MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1		0.163	51.42	-13.91	65.33	50.82	0.40	0.20	QP
2		0.201	50.91	-12.67	63.58	50.41	0.30	0.20	QP
3	!	0.242	56.19	-5.82	62.01	55.69	0.30	0.20	QP
4		0.323	44.25	-15.37	59.62	43.75	0.30	0.20	QP
5		0.402	34.34	-23.47	57.81	33.84	0.30	0.20	QP
6		13.239	23.84	-36.16	60.00	22.44	0.70	0.70	QP

Data#: 108 File#: D:\Lg-13.emi

		Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Remark
		MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	!	0.163	46.74	-8.59	55.33	46.14	0.40	0.20	Average
2		0.201	38.62	-14.96	53.58	38.12	0.30	0.20	Average
3	!	0.242	48.58	-3.43	52.01	48.08	0.30	0.20	Average
4	!	0.323	43.23	-6.39	49.62	42.73	0.30	0.20	Average
5		0.402	31.79	-16.02	47.81	31.29	0.30	0.20	Average
6		13.239	18.29	-31.71	50.00	16.89	0.70	0.70	Average

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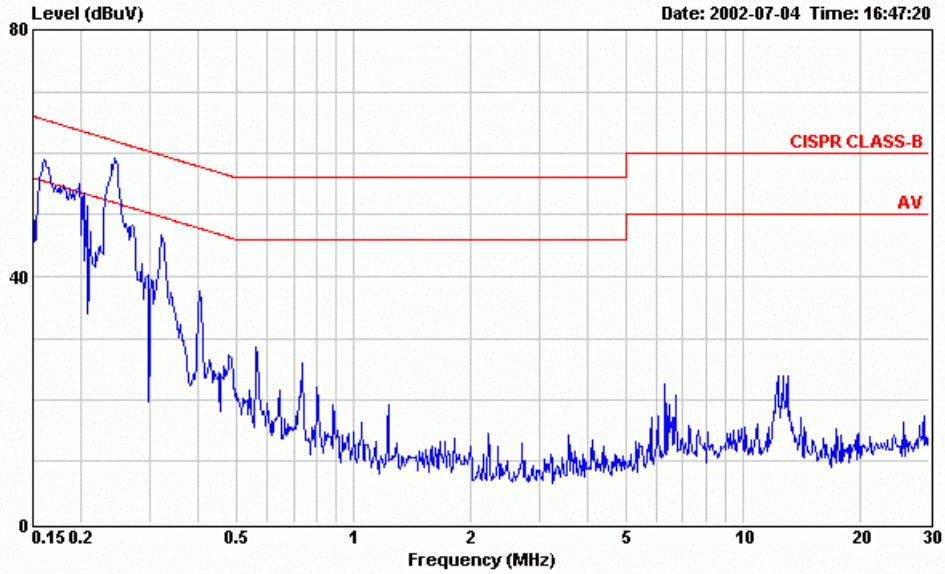
Data#: 112 File#: D:\Lg-13.emi



Site : No.3 Shielded room
Condition : CISPR CLASS-B KNW-407 NEUTRAL
EUT : LCD AV Monitor M/N:MW-30LZ10
Power : 120Vac/60Hz
Memo : S IN
Environment : 26/53

Data#: 113 File#: D:\Lg-13.emi

Date: 2002-07-04 Time: 16:47:50

Site : No.3 Shielded room
Condition : CISPR CLASS-B KNW-407 NEUTRAL
EUT : LCD AV Monitor M/N:MW-30LZ10
Power : 120Vac/60Hz
Memo : S IN
Environment : 26/53

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1 !	0.162	56.70	-8.66	65.36	56.10	0.40	0.20	QP
2	0.201	51.73	-11.83	63.56	51.23	0.30	0.20	QP
3 !	0.247	55.11	-6.76	61.87	54.61	0.30	0.20	QP
4	0.323	44.69	-14.95	59.64	44.19	0.30	0.20	QP
5	0.404	34.79	-22.98	57.77	34.29	0.30	0.20	QP
6	13.238	22.43	-37.57	60.00	21.03	0.70	0.70	QP

Data#: 114 File#: D:\Lg-13.emi

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1 !	0.162	53.02	-2.34	55.36	52.42	0.40	0.20	Average
2 !	0.201	45.16	-8.40	53.56	44.66	0.30	0.20	Average
3 !	0.247	49.12	-2.75	51.87	48.62	0.30	0.20	Average
4 !	0.323	43.19	-6.45	49.64	42.69	0.30	0.20	Average
5	0.404	33.30	-14.47	47.77	32.80	0.30	0.20	Average
6	13.238	16.32	-33.68	50.00	14.92	0.70	0.70	Average

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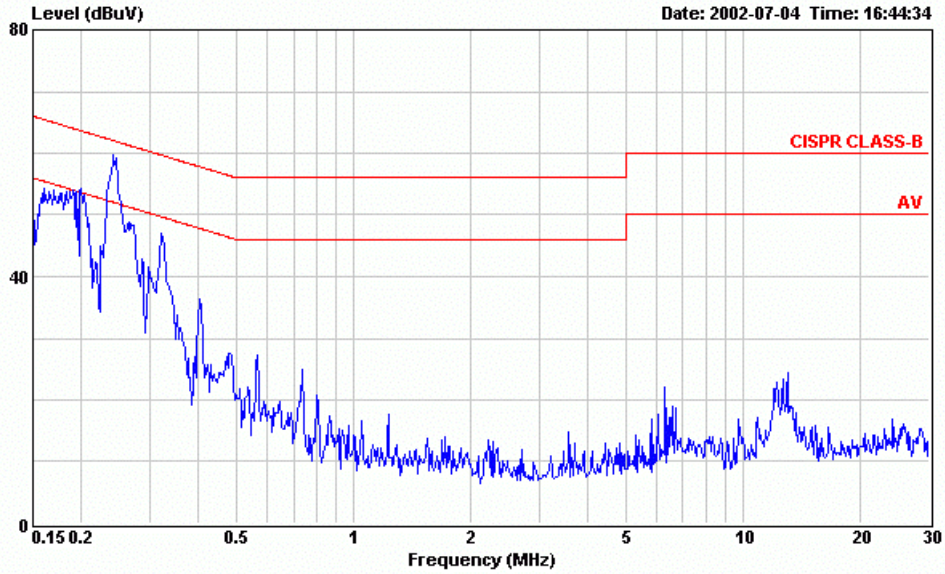
Data#: 109 File#: D:\Lg-13.emi



Site : No.3 Shielded room
Condition : CISPR CLASS-B KNW-407 LINE
EUT : LCD AV Monitor M/N:MW-30LZ10
Power : 120Vac/60Hz
Memo : S IN
Environment : 26/53

Data#: 110 File#: D:\Lg-13.emi

Date: 2002-07-04 Time: 16:45:05

Site : No.3 Shielded room
Condition : CISPR CLASS-B KNW-407 LINE
EUT : LCD AV Monitor M/N:MW-30LZ10
Power : 120Vac/60Hz
Memo : S IN
Environment : 26/53

		Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Remark
		MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1		0.161	51.46	-13.94	65.40	50.86	0.40	0.20	QP
2		0.203	50.45	-13.06	63.51	49.95	0.30	0.20	QP
3	!	0.243	55.97	-6.01	61.98	55.47	0.30	0.20	QP
4		0.324	44.54	-15.07	59.61	44.04	0.30	0.20	QP
5		0.404	34.10	-23.67	57.77	33.60	0.30	0.20	QP
6		13.240	23.97	-36.03	60.00	22.57	0.70	0.70	QP

Data#: 111 File#: D:\Lg-13.emi

		Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Remark
		MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	!	0.161	47.05	-8.35	55.40	46.45	0.40	0.20	Average
2		0.203	37.99	-15.52	53.51	37.49	0.30	0.20	Average
3	!	0.243	49.47	-2.51	51.98	48.97	0.30	0.20	Average
4	!	0.324	43.18	-6.43	49.61	42.68	0.30	0.20	Average
5		0.404	32.18	-15.59	47.77	31.68	0.30	0.20	Average
6		13.240	18.21	-31.79	50.00	16.81	0.70	0.70	Average

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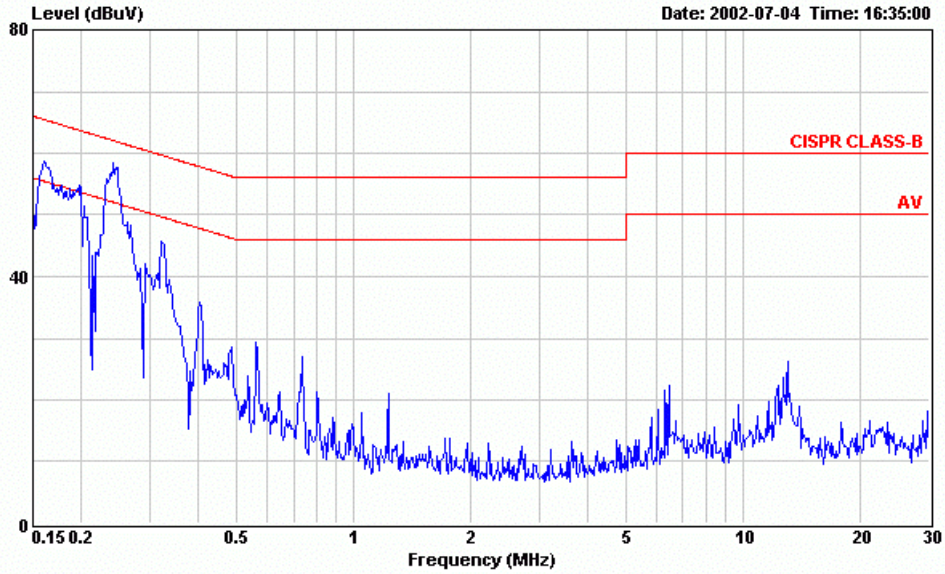
Data#: 100 File#: D:\Lg-13.emi



Site : No.3 Shielded room
Condition : CISPR CLASS-B KNW-407 NEUTRAL
EUT : LCD AV Monitor M/N:MW-30LZ10
Power : 120Vac/60Hz
Memo : DVD IN
Environment : 26/53

Data#: 101 File#: D:\Lg-13.emi

Date: 2002-07-04 Time: 16:35:31

Site : No.3 Shielded room
Condition : CISPR CLASS-B KNW-407 NEUTRAL
EUT : LCD AV Monitor M/N:MW-30LZ10
Power : 120Vac/60Hz
Memo : DVD IN
Environment : 26/53

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1 !	0.161	56.74	-8.69	65.43	56.14	0.40	0.20	QP
2	0.197	51.21	-12.53	63.74	50.71	0.30	0.20	QP
3 !	0.246	55.11	-6.76	61.87	54.61	0.30	0.20	QP
4	0.322	44.55	-15.10	59.65	44.05	0.30	0.20	QP
5	0.404	34.91	-22.87	57.78	34.41	0.30	0.20	QP
6	13.236	17.39	-42.61	60.00	15.99	0.70	0.70	QP

Data#: 102 File#: D:\Lg-13.emi

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1 !	0.161	52.80	-2.63	55.43	52.20	0.40	0.20	Average
2	0.197	42.16	-11.58	53.74	41.66	0.30	0.20	Average
3 !	0.246	49.17	-2.70	51.87	48.67	0.30	0.20	Average
4 !	0.322	43.17	-6.48	49.65	42.67	0.30	0.20	Average
5	0.404	33.43	-14.35	47.78	32.93	0.30	0.20	Average
6	13.236	17.44	-32.56	50.00	16.04	0.70	0.70	Average

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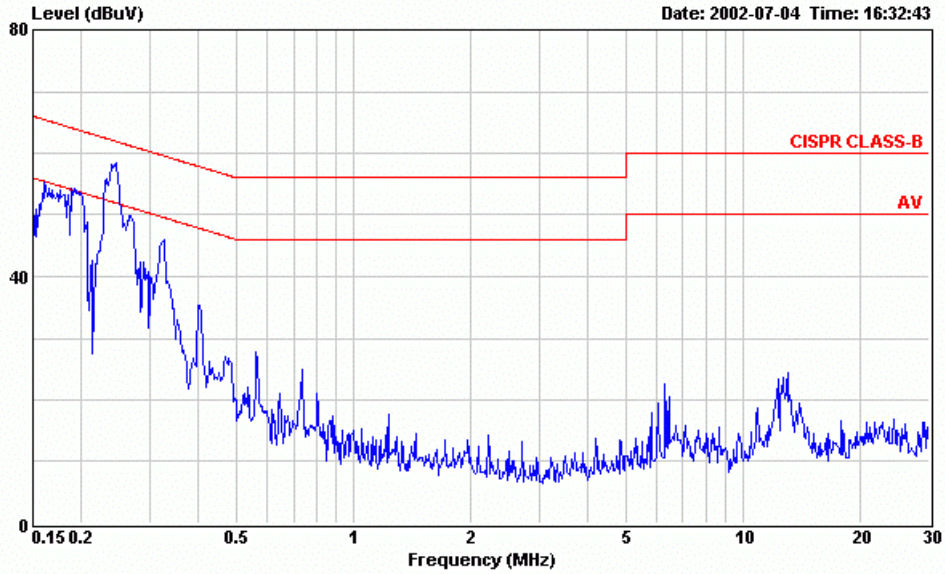
Data#: 97 File#: D:\Lg-13.emi



Site : No.3 Shielded room
Condition : CISPR CLASS-B KNW-407 LINE
EUT : LCD AV Monitor M/N:MW-30LZ10
Power : 120Vac/60Hz
Memo : DVD IN
Environment : 26/53

Data#: 98 File#: D:\Lg-13.emi

Date: 2002-07-04 Time: 16:33:15

Site : No.3 Shielded room
Condition : CISPR CLASS-B KNW-407 LINE
EUT : LCD AV Monitor M/N:MW-30LZ10
Power : 120Vac/60Hz
Memo : DVD IN
Environment : 26/53

		Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Remark
		MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1		0.163	51.34	-13.96	65.30	50.74	0.40	0.20	QP
2		0.196	51.75	-12.04	63.79	51.25	0.30	0.20	QP
3	!	0.243	55.59	-6.41	62.00	55.09	0.30	0.20	QP
4		0.323	44.57	-15.05	59.62	44.07	0.30	0.20	QP
5		0.403	34.30	-23.50	57.80	33.80	0.30	0.20	QP
6		13.238	27.53	-32.47	60.00	26.13	0.70	0.70	QP

Data#: 99 File#: D:\Lg-13.emi

		Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Remark
		MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	!	0.163	46.28	-9.02	55.30	45.68	0.40	0.20	Average
2		0.196	36.04	-17.75	53.79	35.54	0.30	0.20	Average
3	!	0.243	48.34	-3.66	52.00	47.84	0.30	0.20	Average
4	!	0.323	43.29	-6.33	49.62	42.79	0.30	0.20	Average
5		0.403	32.13	-15.67	47.80	31.63	0.30	0.20	Average
6		13.238	21.71	-28.29	50.00	20.31	0.70	0.70	Average

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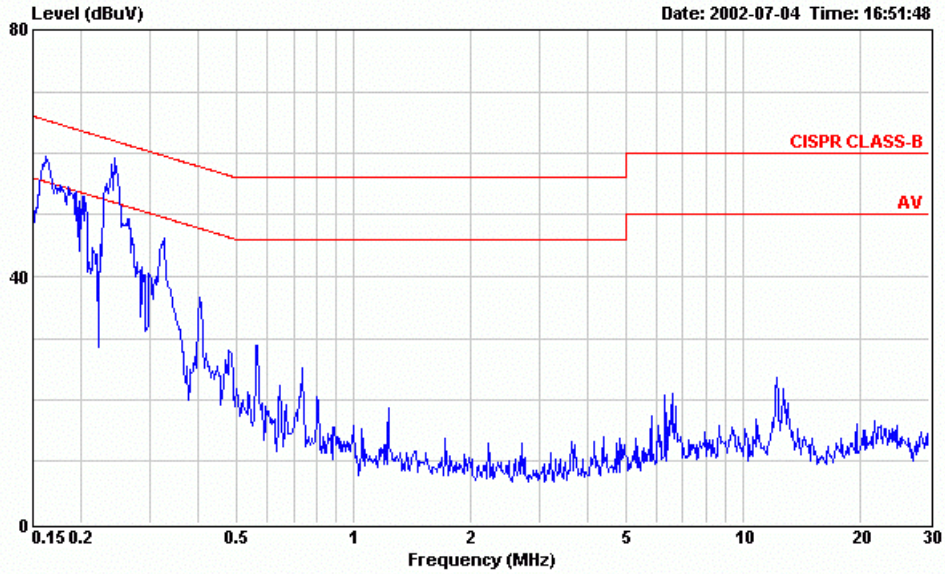
Data#: 115 File#: D:\Lg-13.emi



Site : No.3 Shielded room
Condition : CISPR CLASS-B KNW-407 NEUTRAL
EUT : LCD AV Monitor M/N:MW-30LZ10
Power : 120Vac/60Hz
Memo : PIP
Environment : 26/53

Data#: 116 File#: D:\Lg-13.emi

Date: 2002-07-04 Time: 16:52:26

Site : No.3 Shielded room
Condition : CISPR CLASS-B KNW-407 NEUTRAL
EUT : LCD AV Monitor M/N:MW-30LZ10
Power : 120Vac/60Hz
Memo : PIP
Environment : 26/53

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1 !	0.162	56.74	-8.61	65.35	56.14	0.40	0.20	QP
2	0.201	51.41	-12.15	63.56	50.91	0.30	0.20	QP
3 !	0.246	55.03	-6.86	61.89	54.53	0.30	0.20	QP
4	0.322	44.29	-15.37	59.66	43.79	0.30	0.20	QP
5	0.404	34.75	-23.02	57.77	34.25	0.30	0.20	QP
6	13.243	20.50	-39.50	60.00	19.10	0.70	0.70	QP

Data#: 117 File#: D:\Lg-13.emi

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1 !	0.162	52.91	-2.44	55.35	52.31	0.40	0.20	Average
2 !	0.201	45.34	-8.22	53.56	44.84	0.30	0.20	Average
3 !	0.246	49.13	-2.76	51.89	48.63	0.30	0.20	Average
4 !	0.322	42.94	-6.72	49.66	42.44	0.30	0.20	Average
5	0.404	33.32	-14.45	47.77	32.82	0.30	0.20	Average
6	13.243	16.44	-33.56	50.00	15.04	0.70	0.70	Average

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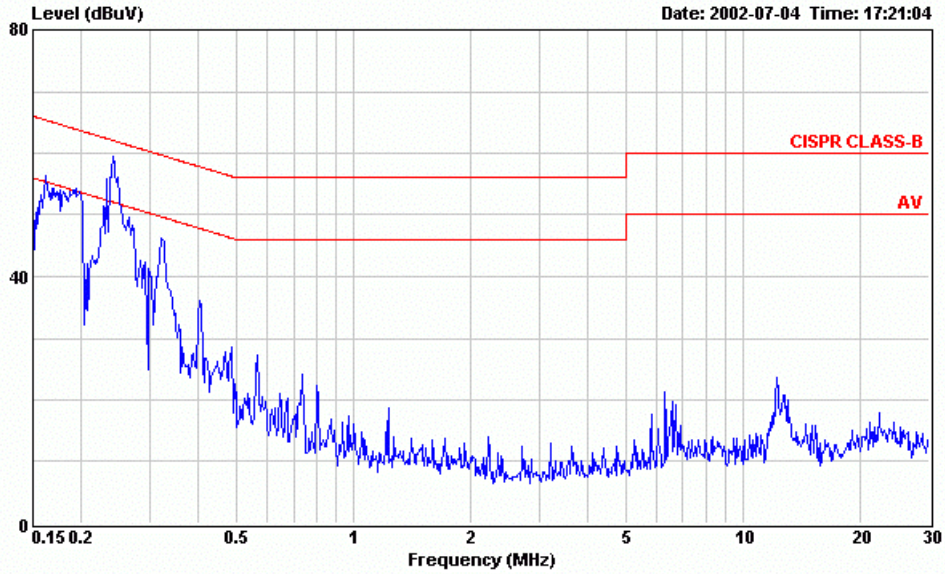
Data#: 118 File#: D:\Lg-13.emi



Site : No.3 Shielded room
Condition : CISPR CLASS-B KNW-407 LINE
EUT : LCD AV Monitor M/N:MW-30LZ10
Power : 120Vac/60Hz
Memo : PIP
Environment : 26/53

Data#: 119 File#: D:\Lg-13.emi

Date: 2002-07-04 Time: 17:21:06

Site : No.3 Shielded room
Condition : CISPR CLASS-B KNW-407 LINE
EUT : LCD AV Monitor M/N:MW-30LZ10
Power : 120Vac/60Hz
Memo : PIP
Environment : 26/53

		Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Remark
		MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1		0.162	51.90	-13.45	65.35	51.30	0.40	0.20	QP
2		0.199	50.83	-12.83	63.66	50.33	0.30	0.20	QP
3	!	0.244	55.17	-6.80	61.97	54.67	0.30	0.20	QP
4		0.323	44.37	-15.26	59.63	43.87	0.30	0.20	QP
5		0.406	33.34	-24.40	57.74	32.84	0.30	0.20	QP
6		12.687	28.68	-31.32	60.00	27.28	0.70	0.70	QP

Data#: 120 File#: D:\Lg-13.emi

		Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Remark
		MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	!	0.162	47.15	-8.20	55.35	46.55	0.40	0.20	Average
2		0.199	38.03	-15.63	53.66	37.53	0.30	0.20	Average
3	!	0.244	49.34	-2.63	51.97	48.84	0.30	0.20	Average
4	!	0.323	43.11	-6.52	49.63	42.61	0.30	0.20	Average
5		0.406	31.81	-15.93	47.74	31.31	0.30	0.20	Average
6		12.687	27.06	-22.94	50.00	25.66	0.70	0.70	Average

3. RADIATED EMISSION TEST

3.1. Test Equipment

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

3.1.1. For 30MHz~1000MHz Frequency (at Semi-Anechoic Chamber)

Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum Analyzer	HP	8593EM	3826A00248	Sep. 04, 01’	1 Year
2.	Pre-Amplifier	HP	8447D	2944A06305	Mar. 05, 02’	1 Year
3.	Broadband Antenna	Schwarzbeck	BBA9106	A3L	Feb. 24, 02‘	1 Year
4.	Broadband Antenna	Schwarzbeck	UHALP9108-A	0138	Feb. 24, 02‘	1 Year

3.1.2. For 1GHz~2GHz frequency (at Semi-Anechoic Chamber)

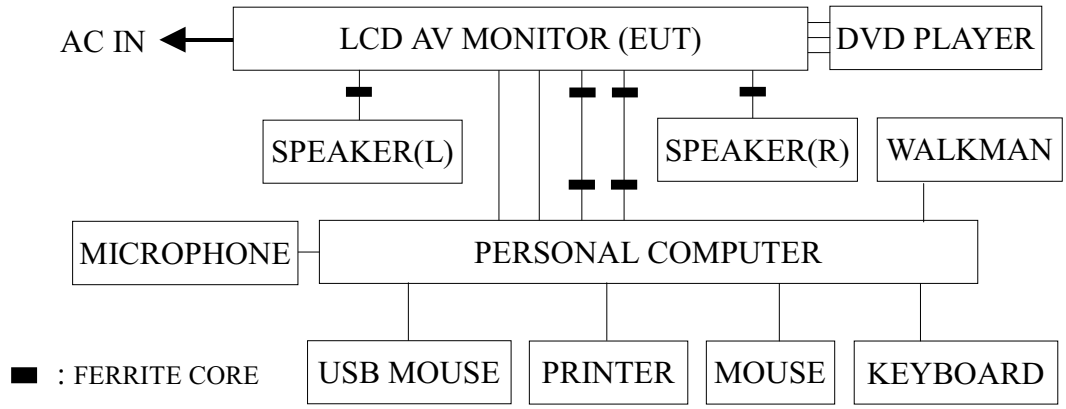
Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum Analyzer	HP	8593EM	3826A00248	Sep. 04, 01’	1 Year
2.	Amplifier	HP	8449B	3008A00529	Jan. 05, 02’	1 Year
3.	Horn Antenna	EMCO	3115	9112-3775	Apr. 16, 02’	1 Year

3.1.3. For 30MHz~1000MHz Frequency (at No. 6 Open Test Site)

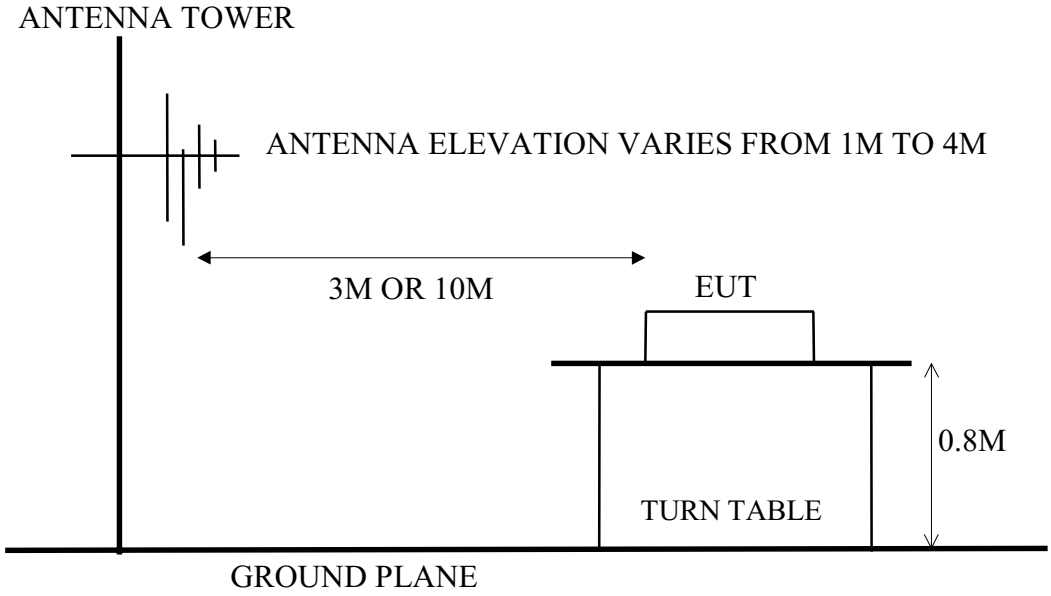
Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Test Receiver	R&S	ESVP	879691/036	Jul. 09, 02’	1 Year
2.	Spectrum Analyzer	Anritsu	MS2601B	MT73069	Jul. 31, 01’	1 Year
3.	Broadband Antenna	CHASE	VBA6106A	1262	Nov. 21, 01’	1 Year
4.	Broadband Antenna	CHASE	UPA6109	1063	Nov. 21, 01’	1 Year

3.2. Block Diagram of Test Setup

3.2.1. Block Diagram of connection between EUT and simulators



3.2.2. Semi-Anechoic Chamber (3M) & Open Field Test Site (10M)Setup Diagram



3.3. Radiation Limit (CISPR 22, Class B)

All emanations from a class B computing devices or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified below:

FREQUENCY (MHz)	DISTANCE (Meters)	FIELD STRENGTHS LIMITS (dBμV/m)
30 ~ 230	10 (3)	30 (40)
230 ~ 1000	10 (3)	37 (47)
1000 ~ 2300	3	74.0 (Peak)

Note： (1) The tighter limit applies at the edge between two frequency bands.
(2) Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the E.U.T.
(3) There is no over 1GHz limits in CISPR 22 standard. Therefor, a FCC limit is used based on CFR 47 Part 15.35 (b) and Part 15.109 (g).
(4) The 3M limit apply relation: L2 = L1(d1/d2)

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. except the test set up replaced by section 3.2.

3.6. Test Procedure

The EUT and its simulators were placed on a turn table which is 0.8 meter above ground. The turn table rotated 360 degrees to determine the position of the maximum emission level. EUT is set 3 or 10 meters away from the receiving antenna which was mounted on a antenna tower. The antenna moved up and down between 1 meter and 4 meters to find out the maximum emission level. Broadband antenna (calibrated biconical and log periodical antenna) and dipole antenna were used as receiving antenna. Both horizontal and vertical polarization of the antenna were set on measurement. In order to find the maximum emission, all of the interface cables were manipulated according to ANSI C63.4-1992 on radiated measurement.

The bandwidth of the R&S Test Receiver ESVP was set at 120KHz. (For 30MHz to 1000MHz)

The bandwidth of the HP Spectrum Analyzer 8593EM was set at 120KHz. (For 30MHz to 1000MHz)

The bandwidth of the HP Spectrum Analyzer 8593EM was set at 1MHz. (For 1GHz to 2GHz)

EUT with the following test modes were measured within Semi-Anechoic Chamber and all the scanning waveform were attached within APPENDIX, which include:

No.	Input Port	Display of EUT
1.	RGB 1 Input/ D-Sub	Character “H”, 800*600/100Hz, 64kHz
2.	RGB 1 Input/ D-Sub	Character “H”, 1024*768/85Hz, 69kHz
3.	RGB 1 Input/ D-Sub	Character “H”, 1280*1024/75Hz, 80kHz
4.	RGB 2 Input/ DVI	Character “H”, 800*600/85Hz, 54kHz
※5.	RGB 2 Input/ DVI	Character “H”, 1024*768/85Hz, 69kHz
※6.	RGB 2 Input/ DVI	Character “H”, 1280*1024/75Hz, 80kHz
7.	AV Input	Image “DVD Movie”
8.	S-Video Input	Image “DVD Movie”
9.	Component Input (DVD)	Image “DVD Movie”
10.	D-Sub & Component Inputs (PIP)	Character “H” + Image “DVD Movie” 1280*1024/75Hz, 80kHz

Finally, re-measured the worst test mode [Mode 5] at No. 6 Open Field Test Site and all the test results are listed in section 3.7.1.

For 1GHz ~ 2GHz frequency range, the test mode [Mode 6] was selected in 1~2GHz test and the test results are listed in section 3.7.2.

3.7. Radiated Emission Noise Measurement Results

PASSED. All emissions not reported below are too low against the prescribed limits.

3.7.1. 30MHz to 1000MHz frequency and at 10 meters distance measurement.

Date of Test： Jul. 23, 2002 Temperature： 26℃

EUT： LCD AV Monitor Humidity： 54%

Test Mode： RGB 2 Input/ DVI , 1024*768/85Hz, 69kHz (Character "H")

	Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading Horizontal dBμV	Emission Level Horizontal dBμV/m	Limits dBμV/m	Margin dB
	65.001	12.18	1.67	-1.53	12.32	30.00	17.68
	130.007	19.75	2.45	-1.35	20.85	30.00	9.15
	195.013	21.62	3.05	-1.82	22.85	30.00	7.15
	260.019	22.82	3.53	-2.52	23.83	37.00	13.17
	325.030	14.98	4.02	3.46	22.46	37.00	14.54
*	**455.030**	**17.35**	**4.97**	**13.12**	**35.44**	**37.00**	**1.56**
	650.060	21.54	5.84	1.75	29.13	37.00	7.87
	780.060	23.58	6.76	1.95	32.29	37.00	4.71
	800.044	23.57	6.85	2.83	33.25	37.00	3.75
	910.072	24.04	7.42	3.91	35.37	37.00	1.63

Remarks： 1. All reading are Quasi-Peak values.

2. '*' The worst emission was detected at 455.030MHz with corrected signal level of 35.44dBμV/m (limit was 37dBμV/m) when the antenna was at horizontal polarization and was at 1m high and the turn table was at 45° .
3. 0° is the table front facing the antenna. Degree is calculated from 0° clockwise facing the antenna.
4. Measurement at No. 6 open field test site.

Date of Test： Jul. 23, 2002 Temperature： 26℃

EUT： LCD AV Monitor Humidity： 54%

Test Mode： RGB 2 Input/ DVI , 1024*768/85Hz, 69kHz (Character "H")

	Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading Vertical dBμV	Emission Level Vertical dBμV/m	Limits dBμV/m	Margin dB
	48.500	16.71	1.41	-1.98	16.14	30.00	13.86
	71.300	13.16	1.76	3.74	18.66	30.00	11.34
	135.310	20.42	2.52	3.33	26.27	30.00	3.73
	195.018	20.82	3.05	0.26	24.13	30.00	5.87
	260.024	23.77	3.53	-2.36	24.94	37.00	12.06
	325.030	15.39	4.02	5.55	24.96	37.00	12.04
	400.045	17.42	4.55	2.04	24.01	37.00	12.99
	455.030	18.06	4.97	12.18	35.21	37.00	1.79
	700.045	22.13	6.17	4.26	32.56	37.00	4.44
	800.055	23.57	6.85	4.89	35.31	37.00	1.69
*	**910.058**	**24.07**	**7.42**	**3.92**	**35.41**	**37.00**	**1.59**

Remarks： 1. All reading are Quasi-Peak values.

2. '*' The worst emission was detected at 910.058MHz with corrected signal level of 35.41dBμV/m (limit was 37dBμV/m) when the antenna was at vertical polarization and was at 2m high and the turn table was at 320°.
3. 0° is the table front facing the antenna. Degree is calculated from 0° clockwise facing the antenna.
4. Measurement at No. 6 open field test site.

3.7.2. 1GHz to 2GHz frequency and at 3 meters distance measurement.

Date of Test： Jul. 03, 2002 Temperature： 23℃

EUT： LCD AV Monitor Humidity： 63%

Test Mode： RGB 2 Input/ DVI , 1280*1024/75Hz, 80kHz (Character "H")

Emission Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Pre-Amp Factor dB	Meter Reading Horizontal dBμV	Emission Level Horizontal dBμV/m	(Peak) Limits dBμV/m	Margin dB
1065.442	25.23	4.32	40.68	51.25	40.12	74.00	33.88
1199.682	25.29	4.59	40.57	46.83	36.14	74.00	37.86
1300.362	25.33	4.84	40.49	50.85	40.53	74.00	33.47
1401.042	25.37	5.14	40.42	49.03	39.12	74.00	34.88
1459.772	25.39	5.32	40.38	52.09	42.42	74.00	31.58
1526.892	25.55	5.62	40.34	46.40	37.23	74.00	36.77
1602.402	25.96	6.16	40.29	44.15	35.98	74.00	38.02
1724.896	26.58	7.01	40.22	46.00	39.37	74.00	34.63
1859.136	27.19	6.59	40.15	45.07	38.70	74.00	35.30
1993.376	27.78	5.90	40.08	46.55	40.15	74.00	33.85

Emission Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Pre-Amp Factor dB	Meter Reading Vertical dBμV	Emission Level Vertical dBμV/m	(Peak) Limits dBμV/m	Margin dB
1065.442	25.23	4.32	40.68	48.34	37.21	74.00	36.79
1199.682	25.29	4.59	40.57	51.91	41.22	74.00	32.78
1300.362	25.33	4.84	40.49	48.89	38.57	74.00	35.43
1401.042	25.37	5.14	40.42	47.39	37.48	74.00	36.52
1461.450	25.39	5.32	40.38	51.78	42.11	74.00	31.89
1525.214	25.55	5.62	40.34	46.75	37.58	74.00	36.42
1657.776	26.25	6.56	40.26	45.82	38.37	74.00	35.63
1733.286	26.62	7.07	40.22	47.89	41.36	74.00	32.64
1795.372	26.90	6.92	40.18	46.00	39.64	74.00	34.36
1988.342	27.75	5.92	40.09	43.63	37.21	74.00	36.79

Remark： 1. All reading are Peak values.
2. Emission Level = Antenna Factor + Cable Loss + Meter Reading – Pre-Amp Factor.
3. Measurement at Semi-Anechoic Chamber.

4. MODIFICATIONS TO EUT

1. Add a gasket on the brackets of the A/V board, the sound out board and the main board separately.
2. Add a gasket on the shielding covers of the control board, the inverter board and the gate board separately.
3. Add a finger on the top of the main board bracket.
4. Add a finger on the top of the A/V board bracket.
5. Add a ferrite core on the data cable. (From the main board to the key control board).
6. Add a gasket on the bottom of the A/V board bracket.
7. Add a gasket on the bottom of the main board bracket.
8. Add a ferrite core on the two data cables separately. (From the main board to the inverter board)
9. Add a ferrite core on the two data cables separately. (From the main board to the A/V board).
10. Add conductive fabric tape on the control cable.
11. Add aluminum foil tape on the control cable.
12. Add a ferrite core on the four flat cables separately.
13. Bond two ferrite cores on the DVI cable.
14. Bond two ferrite cores on the D-Sub cable.
15. Bond a ferrite core on the speaker's cable.

5. DEVIATION TO TEST SPECIFICATIONS

【NONE】