

TEST REPORT FOR CERTIFICATION  
On Behalf of  
Philips Electronics Industries (Taiwan) Ltd.  
15" Flat Panel Color Monitor  
Model No. : D5063\*\*  
FCC ID : A3KM108  
Brand: HP

Prepared for : Philips Electronics Industries (Taiwan) Ltd.  
5, Tze Chiang 1 Rd, Chungli Ind. Park,  
PO Box 123, Chungli, Taoyuan Hsien,  
Taiwan, R.O.C.

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  
Fax : (02) 2609-9303

File Number : ATM-G91224R1  
Report Number : TTEMC-F91057  
Date of Test : Apr. 15 ~ 17, 2002  
Date of Report : Apr. 20, 2002

## TABLE OF CONTENTS

<u>Description</u>	<u>Page</u>
TEST REPORT CERTIFICATION.....	3
<b>1.GENERAL INFORMATION .....</b>	<b>4</b>
1.1. Description of Device (EUT).....	4
1.2. Tested Supporting System Details .....	6
1.3. Description of Test Facility.....	12
1.4. Measurement Uncertainty .....	12
<b>2.POWERLINE CONDUCTED TEST .....</b>	<b>13</b>
2.1. Test Equipment .....	13
2.2. Block Diagram of Test Setup.....	13
2.3. Powerline Conducted Emission Limit (Class B).....	14
2.4. EUT's Configuration during Compliance Measurement .....	15
2.5. Operating Condition of EUT.....	16
2.6. Test Procedure.....	16
2.7. Line Conducted RF Voltage Measurement Results .....	17
<b>3.RADIATED EMISSION TEST .....</b>	<b>40</b>
3.1. Test Equipment .....	40
3.2. Block Diagram of Test Setup.....	40
3.3. Radiation Limit (Class B) .....	42
3.4. EUT's Configuration during Compliance Measurement .....	42
3.5. Operating Condition of EUT.....	42
3.6. Test Procedure.....	42
3.7. Test Results .....	43
3.8. Radiated Emission Measurement Results .....	44
<b>4.DEVIATION TO TEST SPECIFICATIONS.....</b>	<b>60</b>
<b>5.PHOTOGRAPHS.....</b>	<b>61</b>
5.1. Photos of Powerline Conducted Measurement .....	61
5.2. Photos of Radiated Measurement at Open Field Test Site.....	66

## TEST REPORT CERTIFICATION

Applicant : Philips Electronics Industries (Taiwan) Ltd.  
 Manufacturer : Philips Electronics Industries (Taiwan) Ltd.  
 EUT Description : 15" Flat Panel Color Monitor  
 FCC ID : A3KM108  
 (A) MODEL NO. : D5063\*\*  
 (B) SERIAL NO. : N/A  
 (C) BARND : HP  
 (D) MODEL NAME : (1)F50S (2)F50 (3)L1520 (4)L1520e  
 (E) POWER SUPPLY : DC 12V, 1.6A  
 (Test Voltage: AC 120V/60Hz via Adapter)

## Measurement Procedure Used:

FCC RULES AND REGULATIONS PART 15 SUBPART B CLASS B MAY 2001  
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 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 compliant 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.

Date of Test : Apr. 15 ~ 17, 2002

Prepared By: Kitty Ni Apr. 23, 2002  
(Kitty Ni/Officer)

Test Engineer: Allen Wang Apr. 23, 2002  
(Allen Wang/Deputy Manager)

Approve & Authorized Signer: Jackie Deng Apr. 23, 2002  
(Jackie Deng/Assistant General Manager)

## 1. GENERAL INFORMATION

### 1.1. Description of Device (EUT)

Description	:	15" Flat Panel Color Monitor
Model Name	:	(1)F50S (2)F50 (2)L1520 (4)L1520e
Model Number	:	D5063** The symbols “**” can be any alphanumeric character or blank for sales market and appearance type used.
Add Product Model Number	:	D5063S, D5063H, D5063A, D5063C Two kinds of product name (D5063S and D5063C) are selected in the test and included in this report. All the differences for add product name is attached to “Remark”.
FCC ID	:	A3KM108
Brand	:	HP
Applicant	:	Philips Electronics Industries (Taiwan) Ltd. 5, Tze Chiang 1 Rd, Chungli Ind. Park, PO Box 123, Chungli, Taoyuan Hsien, Taiwan, R.O.C.
Manufacturer	:	Philips Electronics Industries (Taiwan) Ltd. 5, Tze Chiang 1 Rd, Chungli Ind. Park, Chungli, Taoyuan, Taiwan, R.O.C.
LCD Panel	:	CPT, M/N CLAA150XG
Scanning Frequency	:	Horizontal: 30-60kHz Vertical: 50-75Hz
Data Cable #1 (D-Sub)	:	Shielded, Detachable, 1.8m Bonded two ferrite cores
Data Cable #2 (DVI)	:	Shielded, Detachable, 1.8m Bonded two ferrite cores
Audio Cable (Y-Type) (Optional)	:	Non-Shielded, Detachable, 1.8m Bonded a ferrite core

Power Cord for Audio Base : Shielded, Undetachable, 0.4m  
 (Optional) Bonded a ferrite core

AC Adapter # 1 : Delta, M/N ADP-40TB (40W)  
 BSMI ID No. 3892D142  
 I/P: AC 100-240V~ 50-60Hz, 1.2A  
 O/P: DC 12V, 3.33A  
 Cord: Shielded, Undetachable, 1.8m  
 Bonded a ferrite core

AC Adapter # 2 : Delta, M/N ADP-50XB (50W)  
 BSMI ID No. 3902C545  
 I/P: AC 100-240V~ 50-60Hz, 2000mA  
 O/P: DC 12V-4160mA  
 Cord: Shielded, Undetachable, 1.8m  
 Bonded a ferrite core

AC Adapter # 3 : LI Shin (LSE), M/N LSE9901B1250 (40W)  
 BSMI ID No. 4882A180  
 I/P: AC 100-240V~ 50/60Hz, 1.5A  
 O/P: DC 12V, 3.33A  
 Cord: Non-Shielded, Undetachable, 1.8m  
 Bonded a ferrite core

AC Adapter # 4 : LI Shin (LSE), M/N LSE9901B1250 (50W)  
 BSMI ID No. 4882A180  
 I/P: AC 100-240V~ 50/60Hz, 1.5A (1.5A)  
 O/P: DC 12V, 4.16A 50Wmax (4.16A)  
 Cord: Non-Shielded, Undetachable, 1.8m  
 Bonded a ferrite core

AC Power Cord : Non-Shielded, Detachable, 1.5m

Date of Receipt of Sample : Apr. 08, 2002

Date of Test : Apr. 15 ~ 17, 2002

**“Remark”: The differences between add product name is as follows:**

Item	Model Name	F50S	F50	L1520	L1520e
HP Basic Model Number		D5063			
HP Product Model Number		D5063S	D5063H	D5063A	D5063C
1.	LCD Panel	CPT Panel (M/N CLAA150XG)			
2.	Audio	Provided	Not Provided	Not Provided	Not Provided
3.	Enclosure/Bezel	Type 1	Type 1	Type 2	Type 2
4.	Pedestal (Column & Base)	Type 1 (Tilt Only, with Audio)	Type 2 (Tilt Only, without Audio)	Type 3 (Tilt Only, without Audio)	Type 4 (Tilt, Lift and Rotation; without Audio)
5.	AC Adapter	Delta or LI SHIN (40W or 50W) (Color of Enclosure: Gray or Black)			
6.	TCO	TCO99	TCO95	TCO99	TCO99
7.	Sales Market	Consumer	Consumer	Commercial	Commercial

## 1.2. Tested Supporting System Details

### 【FOR EUT W/D-SUB INPUT】

#### 1.2.1. PERSONAL SYSTEM

Model Name	:	VECTRA VL800MT
Model Number	:	P3632T
Serial Number	:	FR12314087
FCC ID	:	By DoC
BSMI ID	:	3902A300
Manufacturer	:	Hewlett Packard
VGA Card	:	ATI, M/N Radeon 8500PC 64M AGP VGA VO DVI, P/N 857
Power Cord	:	Non-Shielded, Detachable, 1.8m

#### 1.2.2. KEYBOARD (PS2)

Model Number	:	SK-2502C
Serial Number	:	M011234441
FCC ID	:	By DoC
BSMI ID	:	3872F107
Manufacturer	:	Hewlett Packard
Data Cable	:	Shielded, Undetachable, 2.0m

#### 1.2.3. MOUSE (PS2)

Model Number	:	M-S48a
Serial Number	:	LZE14652580
FCC ID	:	JNZ201213
BSMI ID	:	4882A001
Manufacturer	:	Hewlett Packard
Data Cable	:	Non-Shielded, Undetachable, 1.8m

## 1.2.4. PRINTER

Model Number	:	C2642A (DeskJet 400)
Serial Number	:	TH85J1K405
FCC ID	:	B94C2642X
BSMI ID	:	3862A076
Manufacturer	:	Hewlett Packard
Data Cable	:	Shielded, Detachable, 1.8m
Power Adapter	:	HP(NMB), M/N C2175A I/P: Non-Shielded, Undetachable, 0.9m O/P: Non-Shielded, Undetachable, 1.8m

## 1.2.5. MODEM #1

Model Number	:	DM-1414
Serial Number	:	980034387
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. 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

## 1.2.7. USB MOUSE #1

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

## 1.2.8. USB MOUSE #2

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

## 1.2.9. MICROPHONE

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

## 1.2.10. SPEAKER

Model Number	:	J-008
Serial Number	:	J80547833
Manufacturer	:	(J-S) JAZZ HIPSTER
Data Cable	:	Non-Shielded, Undetachable, 1m

## 1.2.11. WALKMAN

Model Number	:	RQ-P35LT-K
Serial Number	:	HA08697
Manufacturer	:	Panasonic
Data Cable	:	Non-Shielded, Detachable, 1.8m

## 1.2.12. EARPHONE

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

## 1.2.13. HUB

Model Number	:	8222-008
Serial Number	:	23-F4014
FCC ID	:	By DoC
Manufacturer	:	IBM
LAN Cable	:	Non-Shielded, Detachable, 2.0m
Power Cord	:	Non-Shielded, Detachable, 1.8m

## 【FOR EUT W/DVI INPUT】

## 1.2.14. PERSONAL SYSTEM

Model Name	:	VECTRA VL420 MT
Model Number	:	DTPC-16
Serial Number	:	SG20402611
FCC ID	:	By DoC
BSMI ID	:	3902C276
Manufacturer	:	Hewlett Packard
VGA Card	:	ELSA, M/N 511DVI
Power Cord	:	Non-Shielded, Detachable, 1.8m

## 1.2.15. KEYBOARD (PS2)

Model Number	:	SK-2502C
Serial Number	:	M011234441
FCC ID	:	By DoC
BSMI ID	:	3872F107
Manufacturer	:	Hewlett Packard
Data Cable	:	Shielded, Undetachable, 2.0m

## 1.2.16. MOUSE (PS2)

Model Number	:	M-S48a
Serial Number	:	LZE14652580
FCC ID	:	JNZ201213
BSMI ID	:	4882A001
Manufacturer	:	Hewlett Packard
Data Cable	:	Non-Shielded, Undetachable, 1.8m

## 1.2.17. PRINTER

Model Number	:	C2642A (DeskJet 400)
Serial Number	:	TH85J1K405
FCC ID	:	B94C2642X
BSMI ID	:	3862A076
Manufacturer	:	Hewlett Packard
Data Cable	:	Shielded, Detachable, 1.8m
Power Adapter	:	HP(NMB), M/N C2175A I/P: Non-Shielded, Undetachable, 0.9m O/P: Non-Shielded, Undetachable, 1.8m

## 1.2.18. MODEM #1

Model Number	:	DM-1414
Serial Number	:	980034387
FCC ID	:	IFAXDM1414
Manufacturer	:	Aceex
Data Cable	:	Shielded, Detachable, 1.2m
Power Adapter	:	Amigo, Model AM-91000A Non-Shielded, Undetachable, 1.8m

## 1.2.19. 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

## 1.2.20. USB MOUSE #1

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

## 1.2.21. USB MOUSE #2

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

## 1.2.22. USB MOUSE #3

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

## 1.2.23. USB MOUSE #4

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

## 1.2.24. MICROPHONE

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

## 1.2.25. SPEAKER

Model Number	:	J-008
Serial Number	:	J80547833
Manufacturer	:	(J-S) JAZZ HIPSTER
Data Cable	:	Non-Shielded, Undetachable, 1m

## 1.2.26. WALKMAN

Model Number	:	RQ-P35LT-K
Serial Number	:	HA08697
Manufacturer	:	Panasonic
Data Cable	:	Non-Shielded, Detachable, 1.8m

## 1.2.27. EARPHONE

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

## 1.2.28. HUB

Model Number	:	8222-008
Serial Number	:	23-F4014
FCC ID	:	By DoC
Manufacturer	:	IBM
LAN Cable	:	Non-Shielded, Detachable, 2.0m
Power Cord	:	Non-Shielded, Detachable, 1.8m

### 1.3. Description of Test Facility

Site Description : Mar. 31, 2000 Re-File on  
 (No. 4 Open Site) Federal Communication Commission  
 FCC Engineering Laboratory  
 Registration Number: 90991

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  
 (NVLAP is a NATA accredited body under Mutual Recognition Agreement)

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: 3m)	30MHz~300MHz	+4.26dB / -4.22dB
	300MHz~1000MHz	+5.28dB / -4.0dB

Remark : Uncertainty =  $K\mu c(y)$

## 2. POWERLINE CONDUCTED TEST

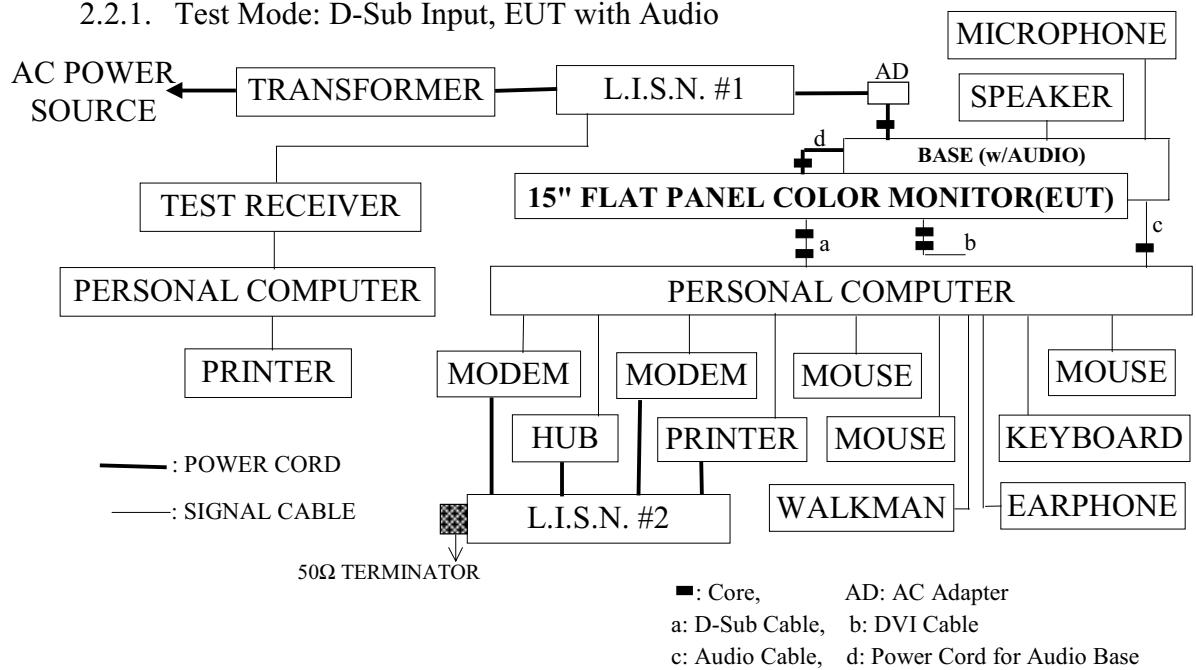
### 2.1. Test Equipment

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

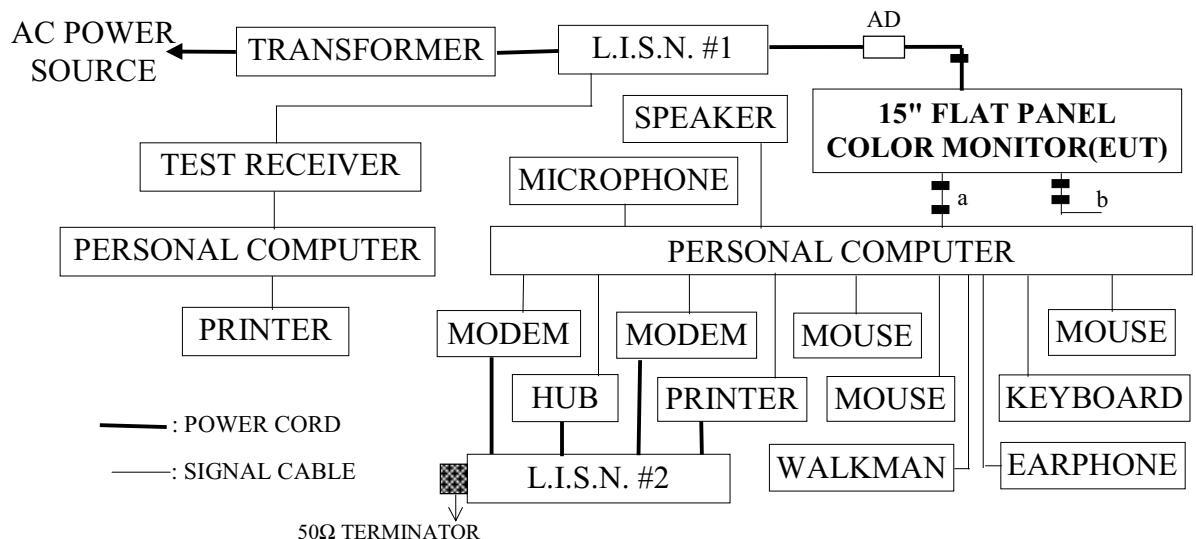
Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Test Receiver	Rohde & Schwarz	ESHS10	844591/015	Feb.27, 02'	1 Year
2.	L.I.S.N. #1	Kyoritsu	KNW-407	8-1430-5	Nov.12, 01'	1 Year
3.	L.I.S.N. #2	Kyoritsu	KNW-407	8-1430-6	Nov.12, 01'	1 Year

### 2.2. Block Diagram of Test Setup

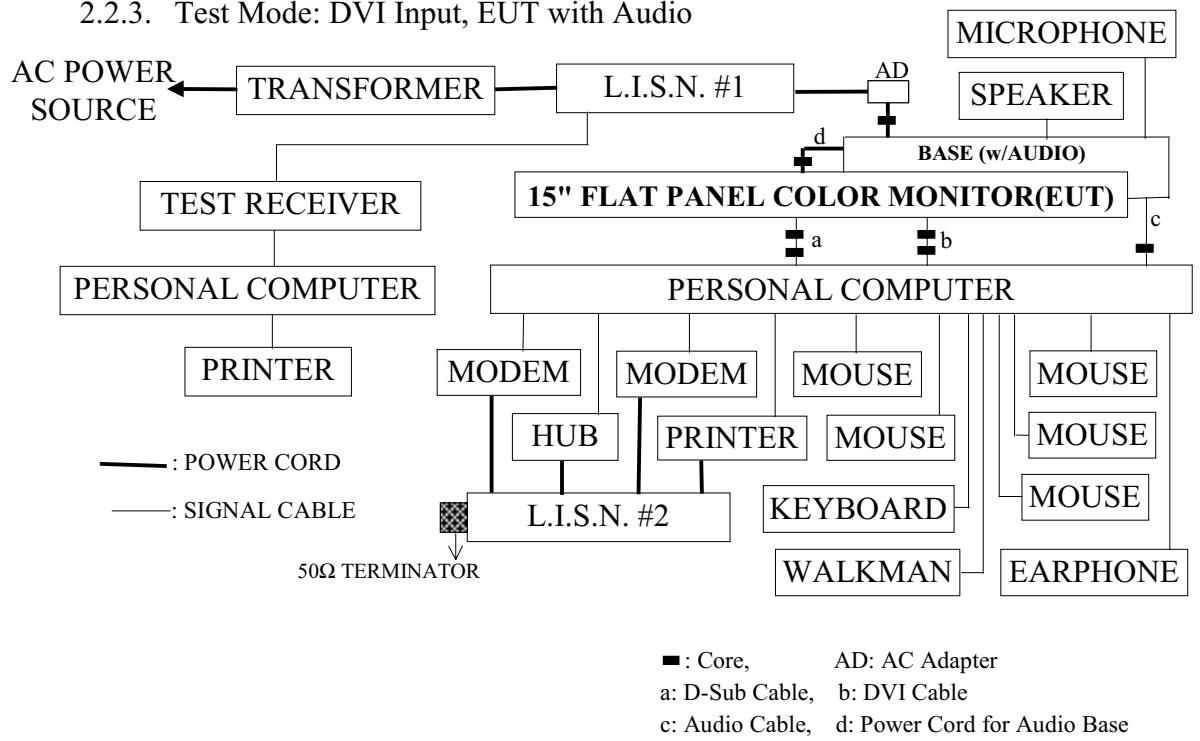
#### 2.2.1. Test Mode: D-Sub Input, EUT with Audio



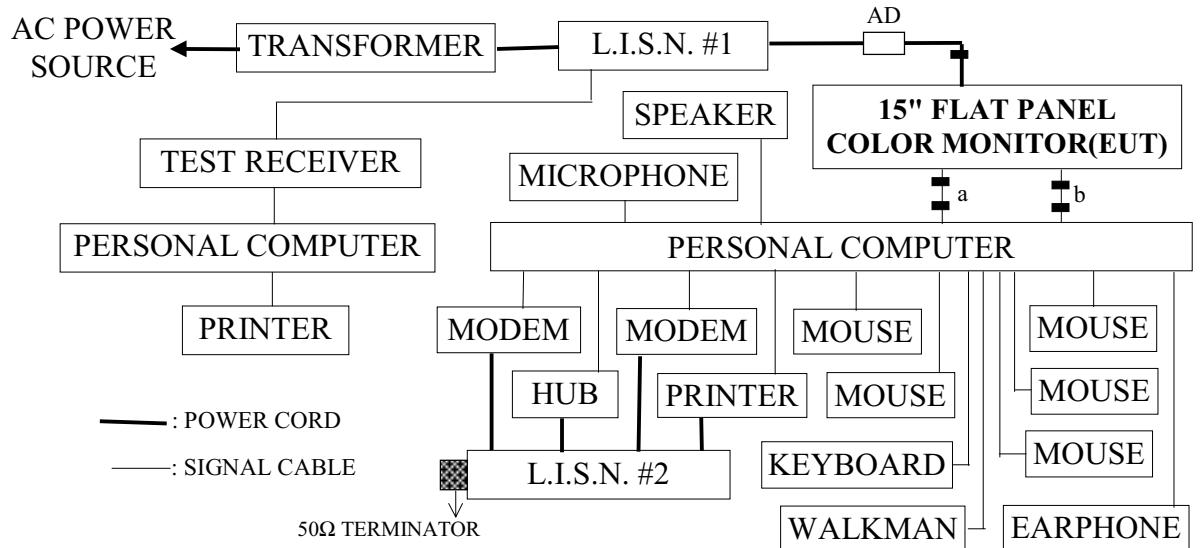
#### 2.2.2. Test Mode: D-Sub Input, EUT without Audio



## 2.2.3. Test Mode: DVI Input, EUT with Audio



## 2.2.4. Test Mode: DVI Input, EUT without Audio



## 2.3. Powerline Conducted Emission Limit (Class B)

Frequency	Maximum RF Line Voltage	
	µV	dBµV
0.45MHz ~ 30MHz	250	48

REMARKS : RF LINE VOLTAGE (dBµV) = 20 log RF LINE VOLTAGE (µV)

## 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. 15" Flat Panel Color Monitor (EUT)

Model Name	:	(1)F50S (2)F50 (2)L1520 (4)L1520e
Basic Model Number	:	D5063
Product Model Number	:	(1)D5063S (2)D5063H (3)D5063A (4)D5063C
Serial Number	:	N/A
Brand	:	HP
FCC ID	:	A3KM108
Manufacturer	:	Philips Electronics Industries (Taiwan) Ltd.
LCD Panel	:	CPT, M/N CLAA150XG
Data Cable #1 (D-Sub)	:	Shielded, Detachable, 1.8m Bonded two ferrite cores
Data Cable #2 (DVI)	:	Shielded, Detachable, 1.8m Bonded two ferrite cores
Audio Cable (Y-Type) (Optional)	:	Non-Shielded, Detachable, 1.8m Bonded a ferrite core
Power Cord for Audio Base (Optional)	:	Shielded, Undetachable, 0.4m Bonded a ferrite core
AC Adapter # 1	:	Delta, M/N ADP-40TB (40W) BSMI ID No. 3892D142 I/P: AC 100-240V~ 50-60Hz, 1.2A O/P: DC 12V, 3.33A Cord: Shielded, Undetachable, 1.8m Bonded a ferrite core
AC Adapter # 2	:	Delta, M/N ADP-50XB (50W) BSMI ID No. 3902C545 I/P: AC 100-240V~ 50-60Hz, 2000mA O/P: DC 12V-4160mA Cord: Shielded, Undetachable, 1.8m Bonded a ferrite core
AC Adapter # 3	:	LI Shin (LSE), M/N LSE9901B1250 (40W) BSMI ID No. 4882A180 I/P: AC 100-240V~ 50/60Hz, 1.5A O/P: DC 12V, 3.33A Cord: Non-Shielded, Undetachable, 1.8m Bonded a ferrite core
AC Adapter # 4	:	LI Shin (LSE), M/N LSE9901B1250 (50W) BSMI ID No. 4882A180 I/P: AC 100-240V~ 50/60Hz, 1.5A (1.5A) O/P: DC 12V, 4.16A 50Wmax (4.16A) Cord: Non-Shielded, Undetachable, 1.8m Bonded a ferrite core
AC Power Cord	:	Non-Shielded, Detachable, 1.5m

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. Personal Computer read data from disk.
- 2.5.4. Personal Computer running the self-test program “WINRFI” by windows and sent “H” character to monitor (EUT) through VGA Card, the screen displayed and filled with “H” pattern by EUT’s resolution. (via D-Sub or DVI Input)
- 2.5.5. The CD-ROM played a Music CD-Disk and sent the sound to EUT and earphone. (via Audio Input)
- 2.5.6. Repeat the above procedures from 2.5.3 to 2.5.5.
- 2.5.7. The other peripheral devices were driven and operated in turn during all testing.

## 2.6. Test Procedure

The EUT was put on table which was above the ground by 80cm and its 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  $50\Omega$  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 ESHS 10 was set at 10KHz.

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

The test voltage was AC 120V/60Hz via AC Adapter of EUT.

## 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 during conducted measurement and to read Q.P. value, All the test results are attached in the next pages.

(Test Date: Apr. 17, 2002 Temperature: 27°C Humidity: 66 %)

The details of test modes and reference test data are as follows:

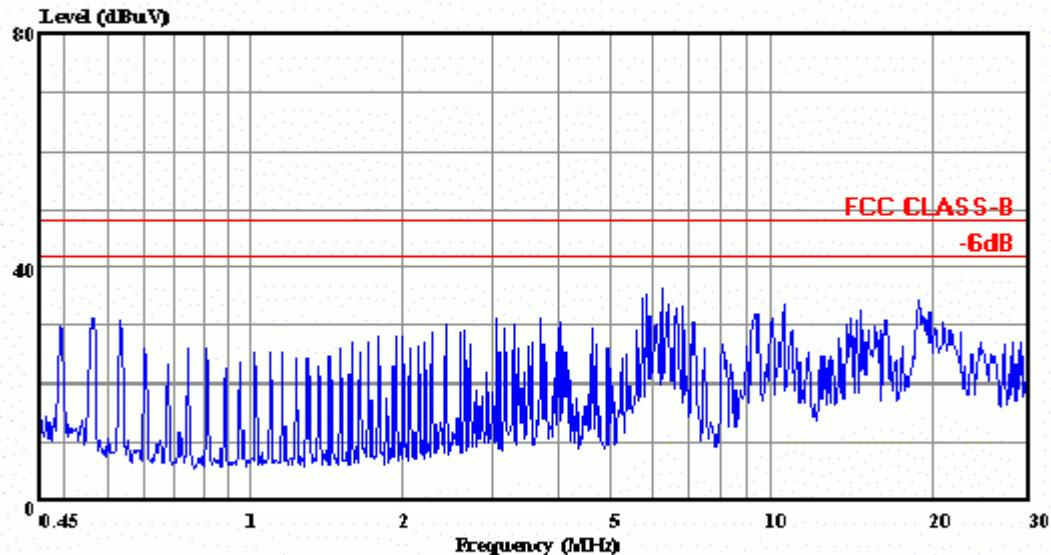
No.	Product Model	Model Name	Input Port	Resolution / Frequency	AC Adapter	Panel Angle	Reference Test Data #
1.	D5063S	F50S	D-Sub	640*480/60Hz, 31.5kHz	Delta(50W)	0°	#141 (142), # 143 (144)
2.	D5063S	F50S	D-Sub	1024*768/60Hz, 48kHz	Delta(50W)	0°	#139 (140), # 137 (138)
3.	D5063S	F50S	D-Sub	1024*768/75Hz, 60kHz	Delta(50W)	0°	#133 (134), # 135 (136)
4.	D5063C	L1520e	D-Sub	1024*768/75Hz, 60kHz	Delta(40W)	0°	#171 (172), # 169 (170)
5.	D5063C	L1520e	D-Sub	1024*768/75Hz, 60kHz	LI SHIN(50W)	0°	#173 (174), # 175 (176)
6.	D5063C	L1520e	D-Sub	1024*768/75Hz, 60kHz	LI SHIN(40W)	0°	#157 (158), # 159 (160)
7.	D5063C	L1520e	D-Sub	1024*768/75Hz, 60kHz	LI SHIN(40W)	90°	#165 (166), # 167 (168)
8.	D5063S	F50S	DVI	640*480/60Hz, 31.5kHz	Delta(50W)	0°	#147 (148), # 145 (146)
9.	D5063S	F50S	DVI	1024*768/60Hz, 48kHz	Delta(50W)	0°	#149 (150), # 151 (152)
10.	D5063S	F50S	DVI	1024*768/75Hz, 60kHz	Delta(50W)	0°	#155 (156), # 153 (154)
11.	D5063C	L1520e	DVI	1024*768/75Hz, 60kHz	LI SHIN(40W)	0°	#163 (164), # 161 (162)

**TOKIN**TAIWAN TOKIN EMC ENG. CORP.  
台灣東金科技股份有限公司No.53-11, Tin-fu Tsun, Lin-kou Hsiang,  
Taipei Country, Taiwan, R.O.C.  
Tel:02-26092133 Fax:02-26099303  
Email:ttemc@ttemc.com.tw

Data#: 141

File#: PHILIPS-1.EMI

Date: 2002-04-17 Time: 17:44:00



Site : No.4 Shielded room  
 Condition: FCC CLASS-B KNW-407 NEUTRAL  
 EUT : 15"Flat Panel Color Monitor M/N:F50S  
 POWER : 120Vac/60Hz  
 MEMO : 640\*480/60Hz 31.5KHz (D-SUB)  
 : DELTA 50W

Data#: 142 File#: D:\PHILIPS-1.EMI

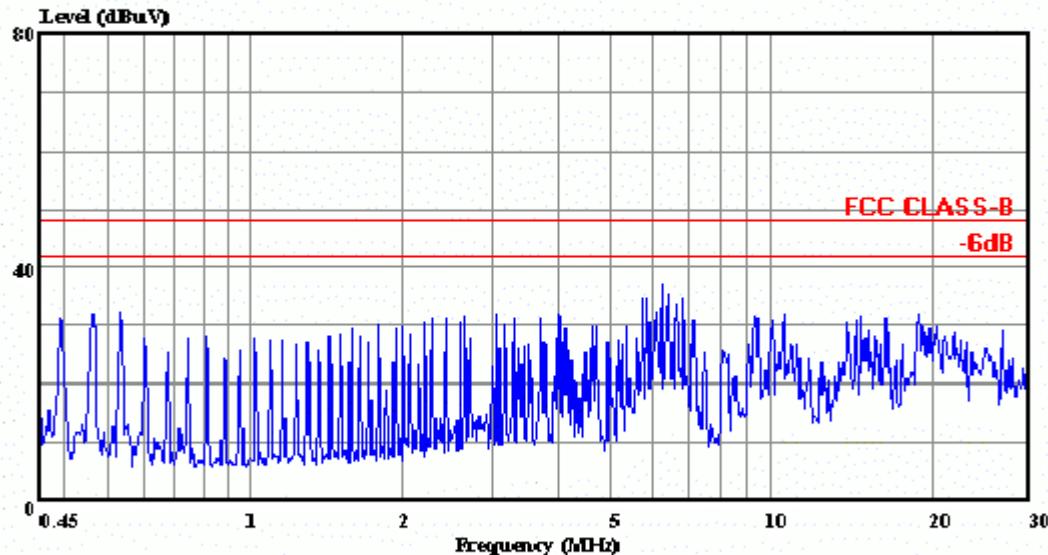
Date: 2002-04-17 Time: 17:44:42

Site : No.4 Shielded room  
 Condition : FCC CLASS-B KNW-407 NEUTRAL  
 EUT : 15"Flat Panel Color Monitor M/N:F50S  
 POWER : 120Vac/60Hz  
 MEMO : 640\*480/60Hz 31.5KHz (D-SUB)  
 : DELTA 50W

Freq	Level	Over	Limit	Read	Probe	Cable
		Line	dBuV	Level	Factor	Loss
MHz	dBuV	dB		dBuV	dB	dB
1	0.563	29.06	-18.94	48.00	28.76	0.10
2	2.398	28.21	-19.79	48.00	27.71	0.10
3	4.087	30.94	-17.06	48.00	30.24	0.10
4	6.136	36.17	-11.83	48.00	35.42	0.15
5	6.696	36.14	-11.86	48.00	35.38	0.16
6	19.808	30.64	-17.36	48.00	29.64	0.30

**TOKIN**TAIWAN TOKIN EMC ENG. CORP.  
台灣東金科技股份有限公司No.53-11, Tin-fu Tsun, Lin-kou Hsiang,  
Taipei Country, Taiwan, R.O.C.  
Tel:02-26092133 Fax:02-26099303  
Email:ttemc@ttemc.com.tw

Data#: 143 File#: PHILIPS-1.EMI Date: 2002-04-17 Time: 17:45:31



Site : No.4 Shielded room  
 Condition: FCC CLASS-B KNW-407 LINE  
 EUT : 15"Flat Panel Color Monitor M/N:F50S  
 POWER : 120Vac/60Hz  
 MEMO : 640\*480/60Hz 31.5KHz (D-SUB)  
 : DELTA 50W

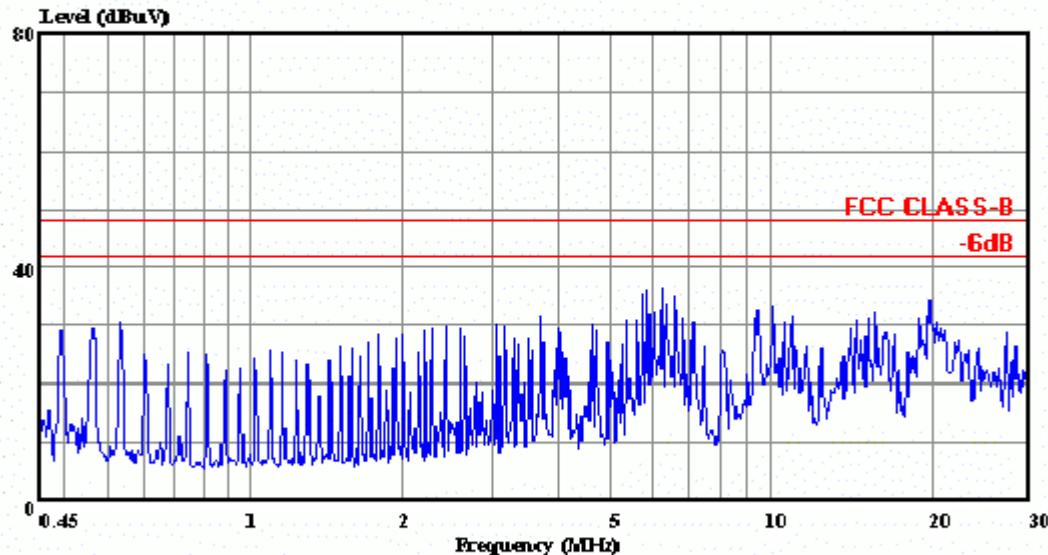
Data#: 144 File#: D:\PHILIPS-1.EMI Date: 2002-04-17 Time: 17:46:15

Site : No.4 Shielded room  
 Condition : FCC CLASS-B KNW-407 LINE  
 EUT : 15"Flat Panel Color Monitor M/N:F50S  
 POWER : 120Vac/60Hz  
 MEMO : 640\*480/60Hz 31.5KHz (D-SUB)  
 : DELTA 50W

Freq	Level	Over	Limit	Read	Probe	Cable	Remark
		MHz	dB	Line	Level	Factor	
1	0.562	29.28	-18.72	48.00	28.98	0.10	0.20 QP
2	2.395	31.12	-16.88	48.00	30.62	0.10	0.40 QP
3	4.088	31.44	-16.56	48.00	30.74	0.10	0.60 QP
4	6.132	38.10	-9.90	48.00	37.40	0.10	0.60 QP
5	6.696	36.36	-11.64	48.00	35.66	0.10	0.60 QP
6	19.804	30.17	-17.83	48.00	29.17	0.30	0.70 QP

**TOKIN**TAIWAN TOKIN EMC ENG. CORP.  
台灣東金科技股份有限公司No.53-11, Tin-fu Tsun, Lin-kou Hsiang,  
Taipei Country, Taiwan, R.O.C.  
Tel:02-26092133 Fax:02-26099303  
Email:ttemc@ttemc.com.tw

Data#: 139 File#: PHILIPS-1.EMI Date: 2002-04-17 Time: 17:40:49



Site : No.4 Shielded room  
 Condition: FCC CLASS-B KNW-407 NEUTRAL  
 EUT : 15"Flat Panel Color Monitor M/N:F50S  
 POWER : 120Vac/60Hz  
 MEMO : 1024\*768/60Hz 48KHz (D-SUB)  
 : DELTA 50W

Data#: 140 File#: D:\PHILIPS-1.EMI Date: 2002-04-17 Time: 17:41:50

Site : No.4 Shielded room  
 Condition : FCC CLASS-B KNW-407 NEUTRAL  
 EUT : 15"Flat Panel Color Monitor M/N:F50S  
 POWER : 120Vac/60Hz  
 MEMO : 1024\*768/60Hz 48KHz (D-SUB)  
 : DELTA 50W

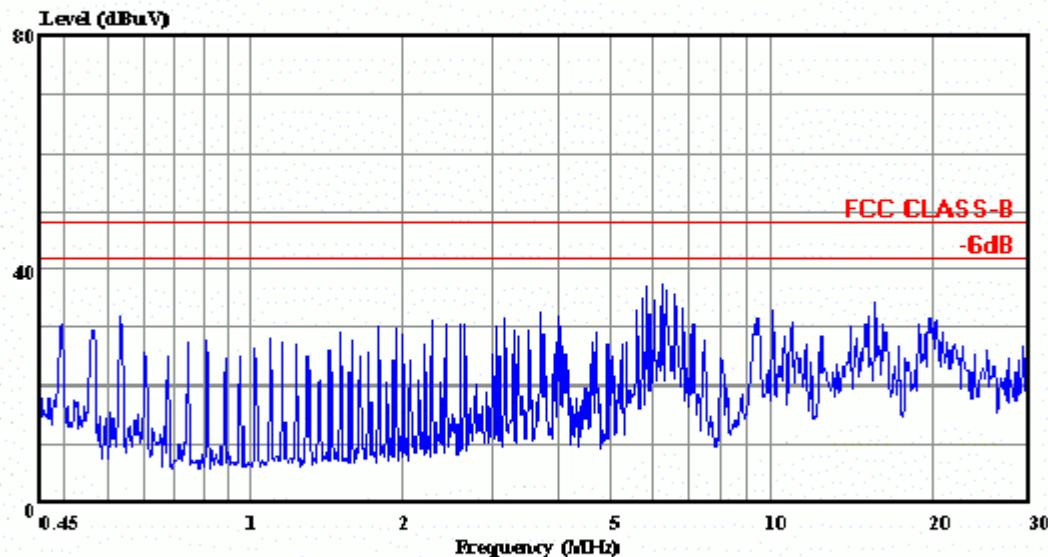
Freq	Level	Over	Limit	Read	Probe	Cable	Remark
		MHz	dB	dBuV	dBuV	dB	
1	0.562	28.86	-19.14	48.00	28.56	0.10	0.20 QP
2	2.397	29.16	-18.84	48.00	28.66	0.10	0.40 QP
3	4.089	30.77	-17.23	48.00	30.07	0.10	0.60 QP
4	6.134	37.86	-10.14	48.00	37.11	0.15	0.60 QP
5	6.699	36.32	-11.68	48.00	35.56	0.16	0.60 QP
6	19.814	33.32	-14.68	48.00	32.32	0.30	0.70 QP

**TOKIN**TAIWAN TOKIN EMC ENG. CORP.  
台灣東金科技股份有限公司No.53-11, Tin-fu Tsun, Lin-kou Hsiang,  
Taipei Country, Taiwan, R.O.C.  
Tel:02-26092133 Fax:02-26099303  
Email:ttemc@ttemc.com.tw

Data#: 137

File#: PHILIPS-1.EMI

Date: 2002-04-17 Time: 17:39:14



Site : No.4 Shielded room  
 Condition: FCC CLASS-B KNW-407 LINE  
 EUT : 15"Flat Panel Color Monitor M/N:F50S  
 POWER : 120Vac/60Hz  
 MEMO : 1024\*768/60Hz 48KHz (D-SUB)  
 : DELTA 50W

Data#: 138 File#: D:\PHILIPS-1.EMI

Date: 2002-04-17 Time: 17:39:57

Site : No.4 Shielded room  
 Condition : FCC CLASS-B KNW-407 LINE  
 EUT : 15"Flat Panel Color Monitor M/N:F50S  
 POWER : 120Vac/60Hz  
 MEMO : 1024\*768/60Hz 48KHz (D-SUB)  
 : DELTA 50W

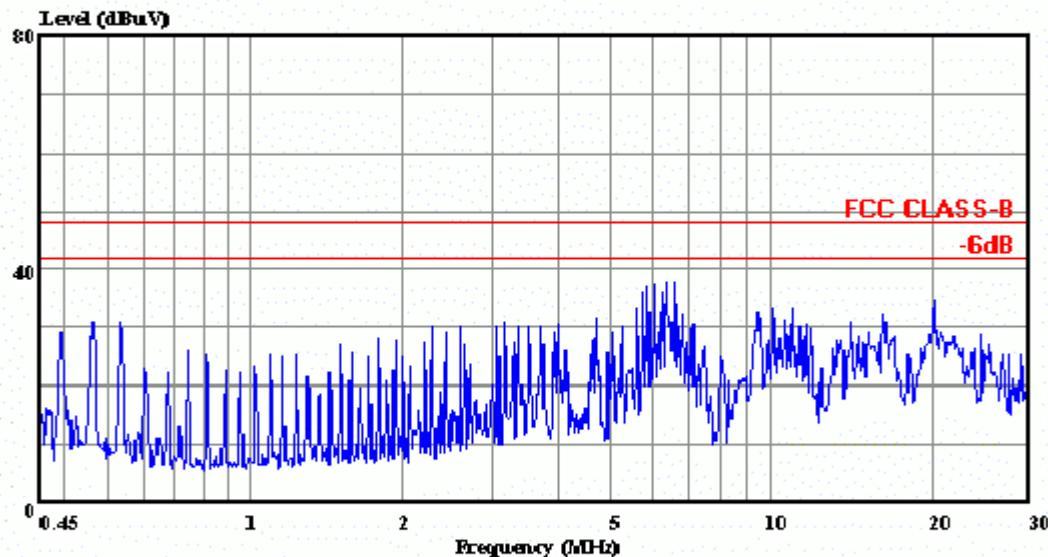
Freq	Level	Over	Limit	Read	Probe	Cable
		Line	dBuV	Level	Factor	Loss
MHz	dBuV	dB	dBuV	dBuV	dB	dB
1	0.563	29.38	-18.62	48.00	29.08	0.10
2	2.396	31.00	-17.00	48.00	30.50	0.10
3	4.089	31.53	-16.47	48.00	30.83	0.10
4	6.134	37.61	-10.39	48.00	36.91	0.10
5	6.699	36.93	-11.07	48.00	36.23	0.10
6	10.194	21.99	-26.01	48.00	21.19	0.10
						0.70 QP

**TOKIN**TAIWAN TOKIN EMC ENG. CORP.  
台灣東金科技股份有限公司No.53-11, Tin-fu Tsun, Lin-kou Hsiang,  
Taipei Country, Taiwan, R.O.C.  
Tel:02-26092133 Fax:02-26099303  
Email:ttemc@ttemc.com.tw

Data#: 133

File#: PHILIPS-1.EMI

Date: 2002-04-17 Time: 17:35:04



Site : No.4 Shielded room  
 Condition: FCC CLASS-B KNW-407 NEUTRAL  
 EUT : 15"Flat Panel Color Monitor M/N:F50S  
 POWER : 120Vac/60Hz  
 MEMO : 1024\*768/75Hz 60KHz (D-SUB)  
 : DELTA 50W

Data#: 134 File#: D:\PHILIPS-1.EMI

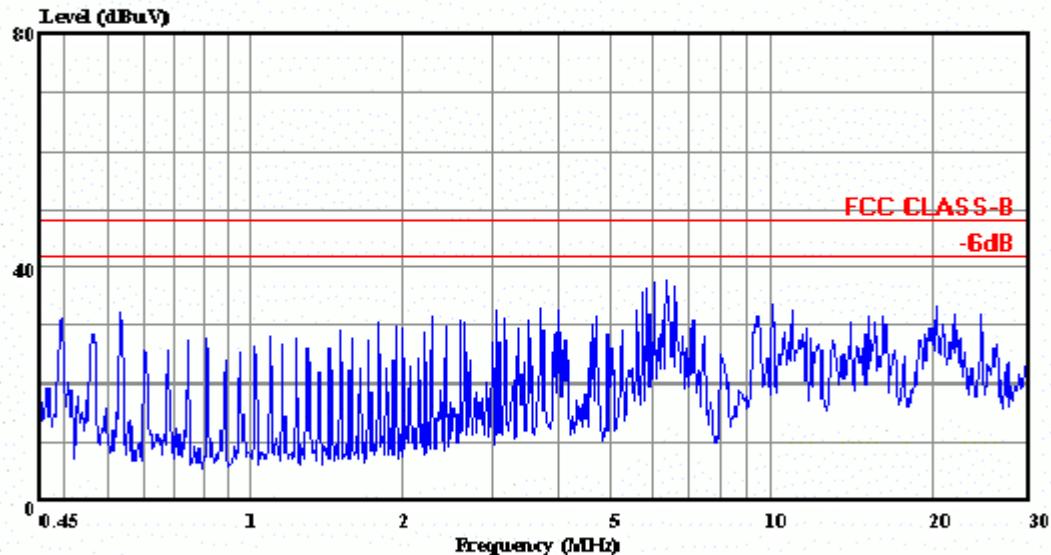
Date: 2002-04-17 Time: 17:36:40

Site : No.4 Shielded room  
 Condition : FCC CLASS-B KNW-407 NEUTRAL  
 EUT : 15"Flat Panel Color Monitor M/N:F50S  
 POWER : 120Vac/60Hz  
 MEMO : 1024\*768/75Hz 60KHz (D-SUB)  
 : DELTA 50W

Freq	Level	Over	Limit	Read	Probe	Cable
		Line	dBuV	Level	Factor	Loss
MHz	dBuV	dB	dBuV	dBuV	dB	dB
1	0.565	28.23	-19.77	48.00	27.93	0.10
2	2.396	29.20	-18.80	48.00	28.70	0.10
3	4.089	30.51	-17.49	48.00	29.81	0.10
4	6.138	37.28	-10.72	48.00	36.53	0.15
5	6.700	37.07	-10.93	48.00	36.31	0.16
6	10.196	24.44	-23.56	48.00	23.54	0.20

**TOKIN**TAIWAN TOKIN EMC ENG. CORP.  
台灣東金科技股份有限公司No.53-11, Tin-fu Tsun, Lin-kou Hsiang,  
Taipei Country, Taiwan, R.O.C.  
Tel:02-26092133 Fax:02-26099303  
Email:ttemc@ttemc.com.tw

Data#: 135 File#: PHILIPS-1.EMI Date: 2002-04-17 Time: 17:37:05



Site : No.4 Shielded room  
 Condition: FCC CLASS-B KNW-407 LINE  
 EUT : 15"Flat Panel Color Monitor M/N:F50S  
 POWER : 120Vac/60Hz  
 MEMO : 1024\*768/75Hz 60KHz (D-SUB)  
 : DELTA 50W

Data#: 136 File#: D:\PHILIPS-1.EMI

Date: 2002-04-17 Time: 17:37:55

Site : No.4 Shielded room  
 Condition : FCC CLASS-B KNW-407 LINE  
 EUT : 15"Flat Panel Color Monitor M/N:F50S  
 POWER : 120Vac/60Hz  
 MEMO : 1024\*768/75Hz 60KHz (D-SUB)  
 : DELTA 50W

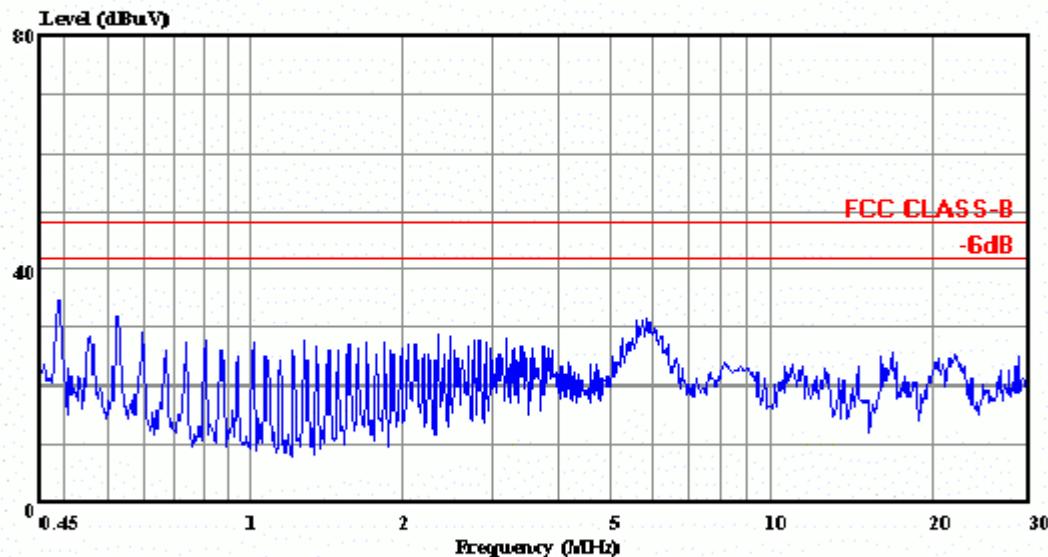
Freq	Level	Over	Limit	Read	Probe	Cable	Remark
		MHz	dBuV	dB	dBuV	dBuV	
1	0.563	28.96	-19.04	48.00	28.66	0.10	0.20 QP
2	2.396	31.10	-16.90	48.00	30.60	0.10	0.40 QP
3	4.089	31.57	-16.43	48.00	30.87	0.10	0.60 QP
4	6.136	37.55	-10.45	48.00	36.85	0.10	0.60 QP
5	6.700	37.13	-10.87	48.00	36.43	0.10	0.60 QP
6	10.195	23.77	-24.23	48.00	22.97	0.10	0.70 QP

**TOKIN**TAIWAN TOKIN EMC ENG. CORP.  
台灣東金科技股份有限公司No.53-11, Tin-fu Tsun, Lin-kou Hsiang,  
Taipei Country, Taiwan, R.O.C.  
Tel:02-26092133 Fax:02-26099303  
Email:ttemc@ttemc.com.tw

Data#: 171

File#: PHILIPS-1.EMI

Date: 2002-04-17 Time: 18:25:47



Site : No.4 Shielded room  
 Condition: FCC CLASS-B KNW-407 NEUTRAL  
 EUT : 15"Flat Panel Color Monitor M/N:L1520e  
 POWER : 120Vac/60Hz  
 MEMO : 1024\*768/75Hz 60KHz (D-SUB)  
 : DELTA 40W

Data#: 172

File#: D:\PHILIPS-1.EMI

Date: 2002-04-17 Time: 18:26:30

Site : No.4 Shielded room  
 Condition : FCC CLASS-B KNW-407 NEUTRAL  
 EUT : 15"Flat Panel Color Monitor M/N:L1520e  
 POWER : 120Vac/60Hz  
 MEMO : 1024\*768/75Hz 60KHz (D-SUB)  
 : DELTA 40W

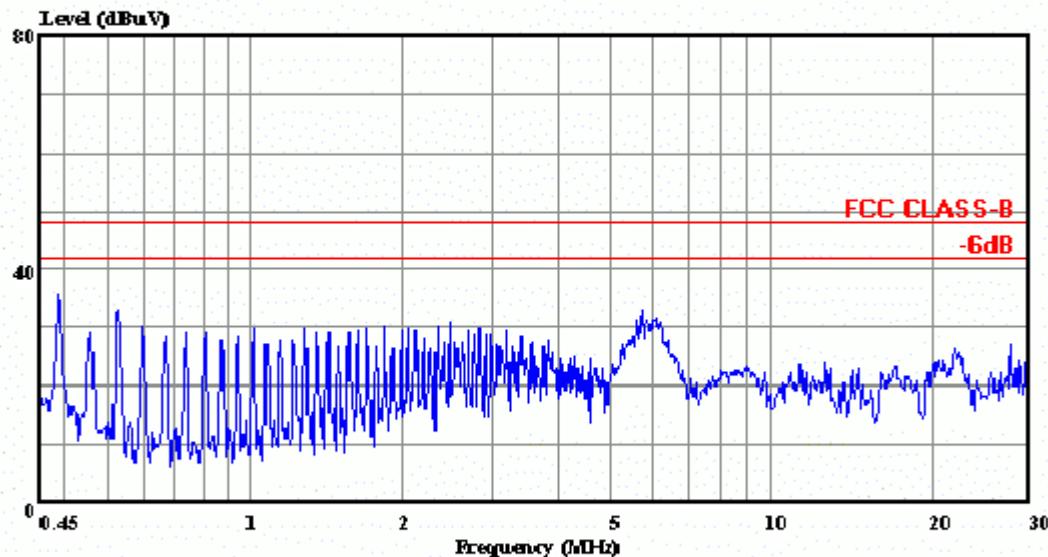
Freq	Level	Over	Limit	Read	Probe	Cable	Remark
		MHz	dB	dBuV	dBuV	dB	
1	0.485	33.50	-14.50	48.00	33.20	0.10	0.20 QP
2	0.627	32.16	-15.84	48.00	31.86	0.10	0.20 QP
3	1.393	27.63	-20.37	48.00	27.13	0.10	0.40 QP
4	1.948	26.13	-21.87	48.00	25.63	0.10	0.40 QP
5	2.577	27.02	-20.98	48.00	26.52	0.10	0.40 QP
6	5.851	29.90	-18.10	48.00	29.16	0.14	0.60 QP

**TOKIN**TAIWAN TOKIN EMC ENG. CORP.  
台灣東金科技股份有限公司No.53-11, Tin-fu Tsun, Lin-kou Hsiang,  
Taipei Country, Taiwan, R.O.C.  
Tel:02-26092133 Fax:02-26099303  
Email:ttemc@ttemc.com.tw

Data#: 169

File#: PHILIPS-1.EMI

Date: 2002-04-17 Time: 18:23:18



Site : No.4 Shielded room  
 Condition: FCC CLASS-B KNW-407 LINE  
 EUT : 15"Flat Panel Color Monitor M/N:L1520e  
 POWER : 120Vac/60Hz  
 MEMO : 1024\*768/75Hz 60KHz (D-SUB)  
 : DELTA 40W

Data#: 170 File#: D:\PHILIPS-1.EMI

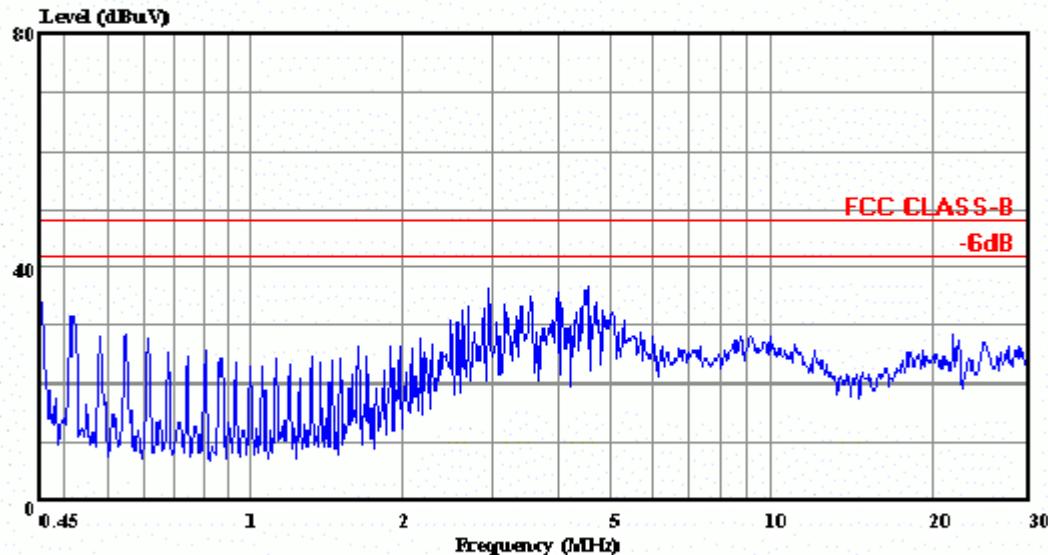
Date: 2002-04-17 Time: 18:25:12

Site : No.4 Shielded room  
 Condition : FCC CLASS-B KNW-407 LINE  
 EUT : 15"Flat Panel Color Monitor M/N:L1520e  
 POWER : 120Vac/60Hz  
 MEMO : 1024\*768/75Hz 60KHz (D-SUB)  
 : DELTA 40W

Freq	Level	Over	Limit	Read	Probe	Cable	Remark
		MHz	dBuV	dB	dBuV	dBuV	
1	0.487	34.75	-13.25	48.00	34.45	0.10	0.20 QP
2	0.627	33.17	-14.83	48.00	32.87	0.10	0.20 QP
3	1.394	29.49	-18.51	48.00	28.99	0.10	0.40 QP
4	1.950	28.98	-19.02	48.00	28.48	0.10	0.40 QP
5	2.576	29.43	-18.57	48.00	28.93	0.10	0.40 QP
6	5.853	29.98	-18.02	48.00	29.28	0.10	0.60 QP

**TOKIN**TAIWAN TOKIN EMC ENG. CORP.  
台灣東金科技股份有限公司No.53-11, Tin-fu Tsun, Lin-kou Hsiang,  
Taipei Country, Taiwan, R.O.C.  
Tel:02-26092133 Fax:02-26099303  
Email:ttemc@ttemc.com.tw

Data#: 173 File#: PHILIPS-1.EMI Date: 2002-04-17 Time: 18:29:56



Site : No.4 Shielded room  
 Condition: FCC CLASS-B KNW-407 NEUTRAL  
 EUT : 15"Flat Panel Color Monitor M/N:L1520e  
 POWER : 120Vac/60Hz  
 MEMO : 1024\*768/75Hz 60KHz (D-SUB)  
 : Li Shin 50W

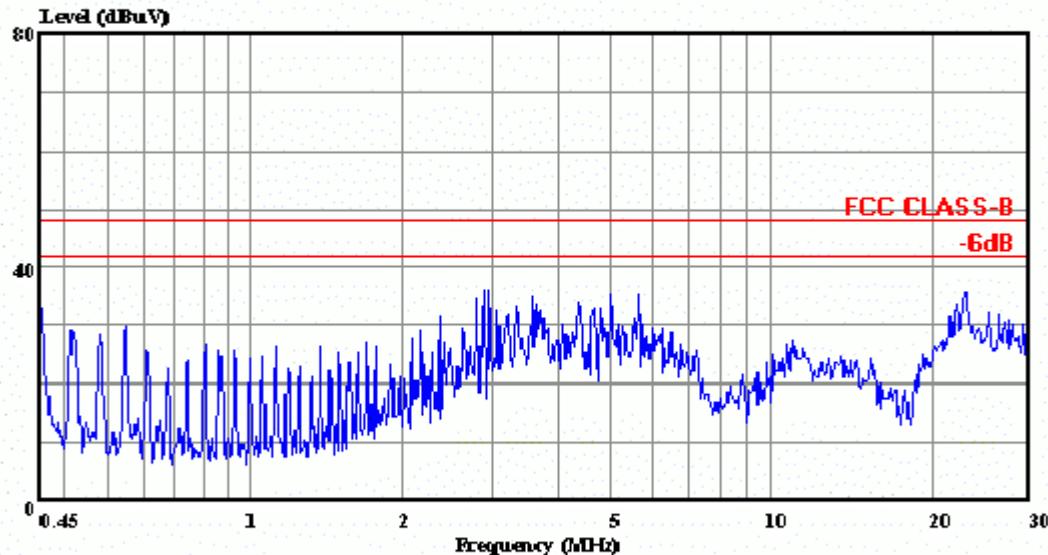
Data#: 174 File#: D:\PHILIPS-1.EMI Date: 2002-04-17 Time: 18:32:34

Site : No.4 Shielded room  
 Condition : FCC CLASS-B KNW-407 NEUTRAL  
 EUT : 15"Flat Panel Color Monitor M/N:L1520e  
 POWER : 120Vac/60Hz  
 MEMO : 1024\*768/75Hz 60KHz (D-SUB)  
 : Li Shin 50W

Freq	Level	Over	Limit	Read	Probe	Cable	Remark
		MHz	dBuV	dB	dBuV	dBuV	
1	0.453	33.90	-14.10	48.00	33.60	0.10	0.20 QP
2	0.713	27.31	-20.69	48.00	27.01	0.10	0.20 QP
3	1.749	24.93	-23.07	48.00	24.43	0.10	0.40 QP
4	3.046	33.22	-14.78	48.00	32.72	0.10	0.40 QP
5	4.080	37.50	-10.50	48.00	36.80	0.10	0.60 QP
6	4.601	34.59	-13.41	48.00	33.87	0.12	0.60 QP

**TOKIN**TAIWAN TOKIN EMC ENG. CORP.  
台灣東金科技股份有限公司No.53-11, Tin-fu Tsun, Lin-kou Hsiang,  
Taipei Country, Taiwan, R.O.C.  
Tel:02-26092133 Fax:02-26099303  
Email:ttemc@ttemc.com.tw

Data#: 175 File#: PHILIPS-1.EMI Date: 2002-04-17 Time: 18:33:00



Site : No.4 Shielded room  
 Condition: FCC CLASS-B KNW-407 LINE  
 EUT : 15"Flat Panel Color Monitor M/N:L1520e  
 POWER : 120Vac/60Hz  
 MEMO : 1024\*768/75Hz 60KHz (D-SUB)  
 : Li Shin 50W

Data#: 176 File#: D:\PHILIPS-1.EMI

Date: 2002-04-17 Time: 18:35:47

Site : No.4 Shielded room  
 Condition : FCC CLASS-B KNW-407 LINE  
 EUT : 15"Flat Panel Color Monitor M/N:L1520e  
 POWER : 120Vac/60Hz  
 MEMO : 1024\*768/75Hz 60KHz (D-SUB)  
 : Li Shin 50W

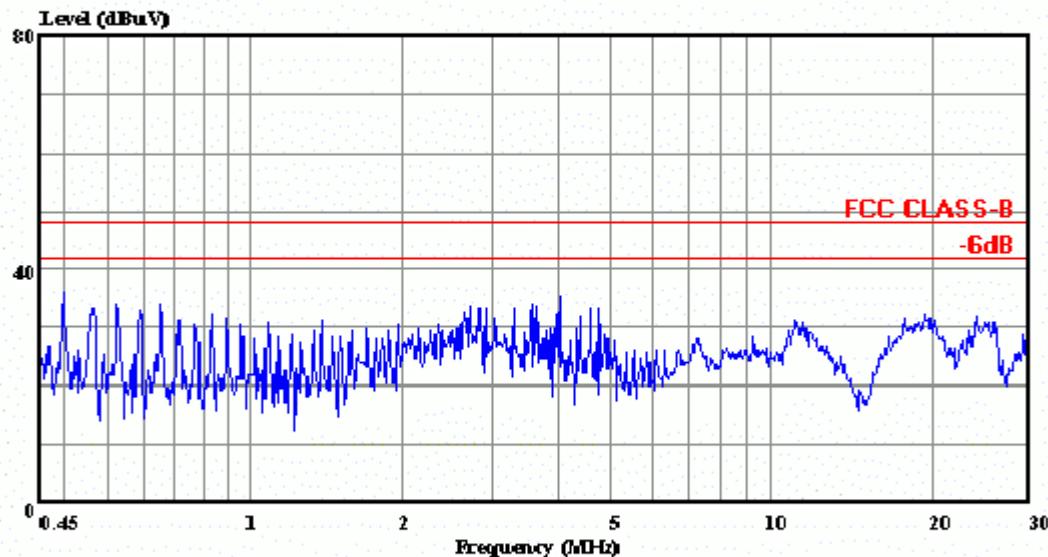
Freq	Level	Over	Limit	Read	Probe	Cable	Remark
		MHz	dBuV	dB	dBuV	dBuV	
1	0.452	33.58	-14.42	48.00	33.28	0.10	0.20 QP
2	0.710	25.83	-22.17	48.00	25.53	0.10	0.20 QP
3	3.037	36.42	-11.58	48.00	35.92	0.10	0.40 QP
4	3.749	35.79	-12.21	48.00	35.29	0.10	0.40 QP
5	5.757	32.23	-15.77	48.00	31.53	0.10	0.60 QP
6	23.223	29.73	-18.27	48.00	28.65	0.38	0.70 QP

**TOKIN**TAIWAN TOKIN EMC ENG. CORP.  
台灣東金科技股份有限公司No.53-11, Tin-fu Tsun, Lin-kou Hsiang,  
Taipei Country, Taiwan, R.O.C.  
Tel:02-26092133 Fax:02-26099303  
Email:ttemc@ttemc.com.tw

Data#: 157

File#: PHILIPS-1.EMI

Date: 2002-04-17 Time: 18:05:20



Site : No.4 Shielded room  
 Condition: FCC CLASS-B KNW-407 NEUTRAL  
 EUT : 15"Flat Panel Color Monitor M/N:L1520e  
 POWER : 120Vac/60Hz  
 MEMO : 1024\*768/75Hz 60KHz (D-SUB)  
 : Li Shin 40W

Data#: 158 File#: D:\PHILIPS-1.EMI

Date: 2002-04-17 Time: 18:07:14

Site : No.4 Shielded room  
 Condition : FCC CLASS-B KNW-407 NEUTRAL  
 EUT : 15"Flat Panel Color Monitor M/N:L1520e  
 POWER : 120Vac/60Hz  
 MEMO : 1024\*768/75Hz 60KHz (D-SUB)  
 : Li Shin 40W

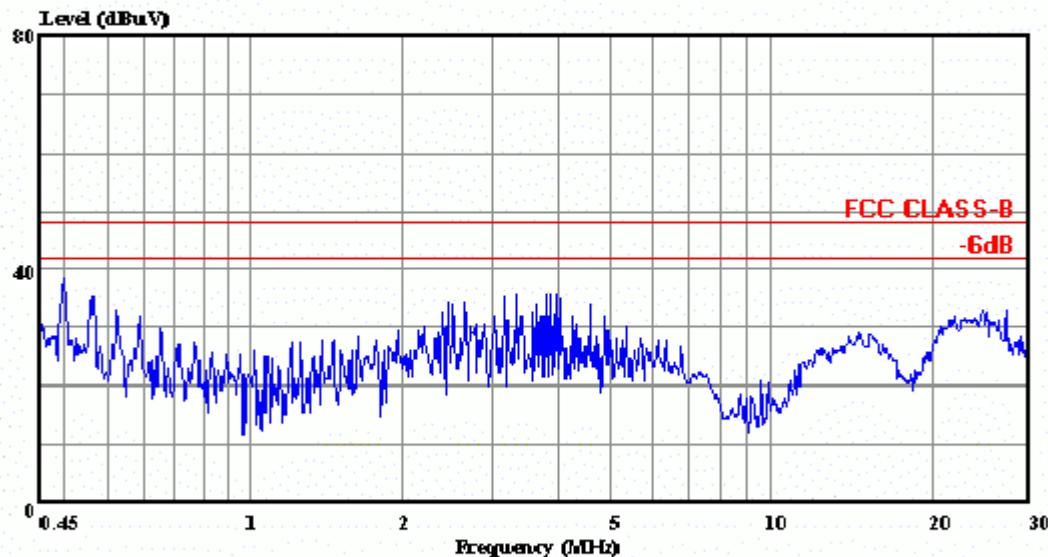
Freq	Level	Over	Limit	Read	Probe	Cable	Remark
		MHz	dBuV	dB	dBuV	dB	
1	0.499	34.16	-13.84	48.00	33.86	0.10	0.20 QP
2	0.623	32.16	-15.84	48.00	31.86	0.10	0.20 QP
3	2.810	31.51	-16.49	48.00	31.01	0.10	0.40 QP
4	4.121	32.07	-15.93	48.00	31.37	0.10	0.60 QP
5	11.269	27.85	-20.15	48.00	26.95	0.20	0.70 QP
6	19.387	27.66	-20.34	48.00	26.67	0.29	0.70 QP

**TOKIN**TAIWAN TOKIN EMC ENG. CORP.  
台灣東金科技股份有限公司No.53-11, Tin-fu Tsun, Lin-kou Hsiang,  
Taipei Country, Taiwan, R.O.C.  
Tel:02-26092133 Fax:02-26099303  
Email:ttemc@ttemc.com.tw

Data#: 159

File#: PHILIPS-1.EMI

Date: 2002-04-17 Time: 18:07:37



Site : No.4 Shielded room  
 Condition: FCC CLASS-B KNW-407 LINE  
 EUT : 15"Flat Panel Color Monitor M/N:L1520e  
 POWER : 120Vac/60Hz  
 MEMO : 1024\*768/75Hz 60KHz (D-SUB)  
 : Li Shin 40W

Data#: 160 File#: D:\PHILIPS-1.EMI

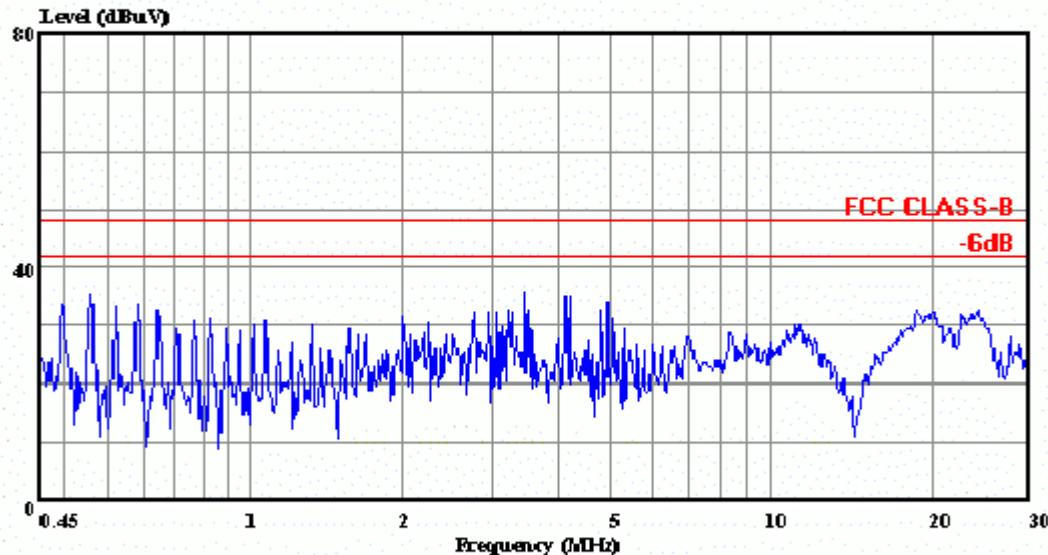
Date: 2002-04-17 Time: 18:09:49

Site : No.4 Shielded room  
 Condition : FCC CLASS-B KNW-407 LINE  
 EUT : 15"Flat Panel Color Monitor M/N:L1520e  
 POWER : 120Vac/60Hz  
 MEMO : 1024\*768/75Hz 60KHz (D-SUB)  
 : Li Shin 40W

Freq	Level	Over	Limit	Read	Probe	Cable	Remark
		MHz	dBuV	dB	dBuV	dB	
1	0.499	37.44	-10.56	48.00	37.14	0.10	0.20 QP
2	0.622	31.98	-16.02	48.00	31.68	0.10	0.20 QP
3	2.805	33.26	-14.74	48.00	32.76	0.10	0.40 QP
4	4.112	34.32	-13.68	48.00	33.62	0.10	0.60 QP
5	15.339	24.06	-23.94	48.00	23.14	0.22	0.70 QP
6	25.382	27.45	-20.55	48.00	26.33	0.42	0.70 QP

**TOKIN**TAIWAN TOKIN EMC ENG. CORP.  
台灣東金科技股份有限公司No.53-11, Tin-fu Tsun, Lin-kou Hsiang,  
Taipei Country, Taiwan, R.O.C.  
Tel:02-26092133 Fax:02-26099303  
Email:ttemc@ttemc.com.tw

Data#: 165 File#: PHILIPS-1.EMI Date: 2002-04-17 Time: 18:16:46



Site : No.4 Shielded room  
 Condition: FCC CLASS-B KNW-407 NEUTRAL  
 EUT : 15"Flat Panel Color Monitor M/N:L1520e  
 POWER : 120Vac/60Hz  
 MEMO : 1024\*768/75Hz 60KHz (旋轉 D-SUB)  
 : Li Shin 40W

Data#: 166 File#: D:\PHILIPS-1.EMI Date: 2002-04-17 Time: 18:17:32

Site : No.4 Shielded room  
 Condition : FCC CLASS-B KNW-407 NEUTRAL  
 EUT : 15"Flat Panel Color Monitor M/N:L1520e  
 POWER : 120Vac/60Hz  
 MEMO : 1024\*768/75Hz 60KHz (旋轉 D-SUB)  
 : Li Shin 40W

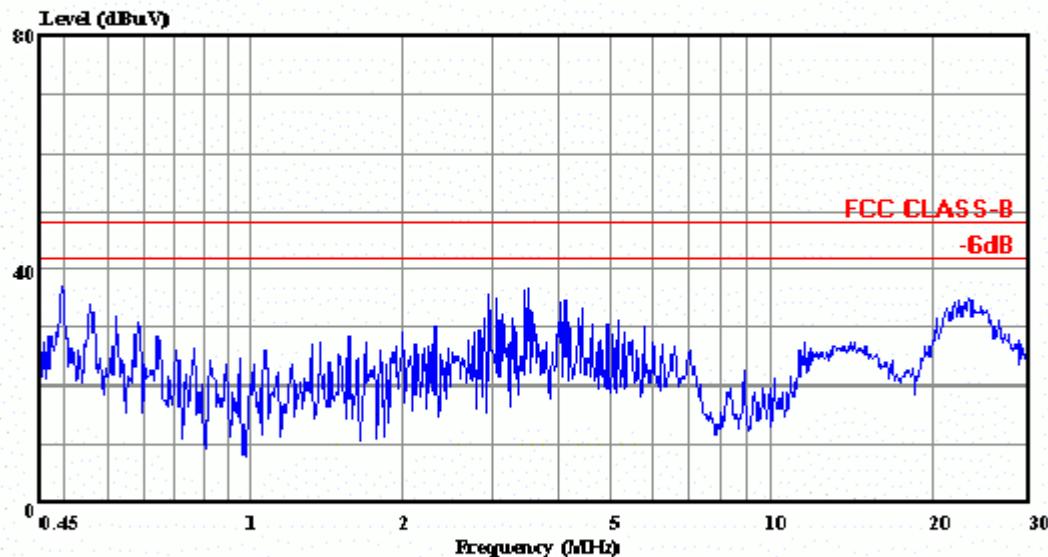
Freq	Level	Over	Limit	Read	Probe	Cable	Remark
		MHz	dB	dBuV	Line	Level	
1	0.496	32.91	-15.09	48.00	32.61	0.10	0.20 QP
2	0.622	31.92	-16.08	48.00	31.62	0.10	0.20 QP
3	2.796	31.97	-16.03	48.00	31.47	0.10	0.40 QP
4	4.100	33.09	-14.91	48.00	32.39	0.10	0.60 QP
5	11.335	26.17	-21.83	48.00	25.27	0.20	0.70 QP
6	24.028	28.53	-19.47	48.00	27.45	0.38	0.70 QP

**TOKIN**TAIWAN TOKIN EMC ENG. CORP.  
台灣東金科技股份有限公司No.53-11, Tin-fu Tsun, Lin-kou Hsiang,  
Taipei Country, Taiwan, R.O.C.  
Tel:02-26092133 Fax:02-26099303  
Email:ttemc@ttemc.com.tw

Data#: 167

File#: PHILIPS-1.EMI

Date: 2002-04-17 Time: 18:18:22



Site : No.4 Shielded room  
 Condition: FCC CLASS-B KNW-407 LINE  
 EUT : 15"Flat Panel Color Monitor M/N:L1520e  
 POWER : 120Vac/60Hz  
 MEMO : 1024\*768/75Hz 60KHz (旋轉 D-SUB)  
 : Li Shin 40W

Data#: 168 File#: D:\PHILIPS-1.EMI

Date: 2002-04-17 Time: 18:19:30

Site : No.4 Shielded room  
 Condition : FCC CLASS-B KNW-407 LINE  
 EUT : 15"Flat Panel Color Monitor M/N:L1520e  
 POWER : 120Vac/60Hz  
 MEMO : 1024\*768/75Hz 60KHz (旋轉 D-SUB)  
 : Li Shin 40W

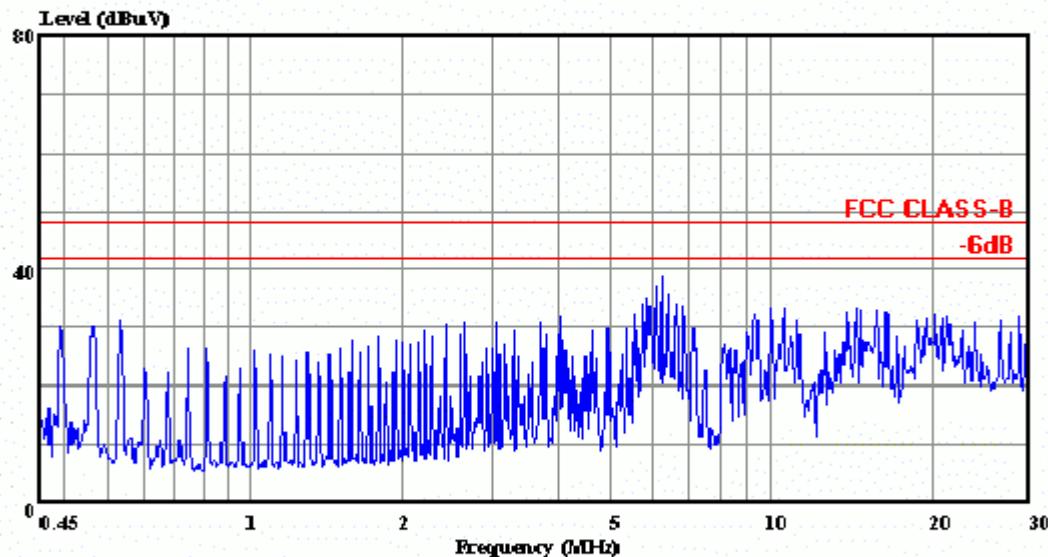
Freq	Level	Over	Limit	Read	Probe	Cable	Remark
		MHz	dBuV	dB	dBuV	dB	
1	0.497	36.23	-11.77	48.00	35.93	0.10	0.20 QP
2	0.622	30.43	-17.57	48.00	30.13	0.10	0.20 QP
3	2.792	33.58	-14.42	48.00	33.08	0.10	0.40 QP
4	4.097	34.58	-13.42	48.00	33.88	0.10	0.60 QP
5	14.103	24.16	-23.84	48.00	23.26	0.20	0.70 QP
6	23.322	29.69	-18.31	48.00	28.61	0.38	0.70 QP

**TOKIN**TAIWAN TOKIN EMC ENG. CORP.  
台灣東金科技股份有限公司No.53-11, Tin-fu Tsun, Lin-kou Hsiang,  
Taipei Country, Taiwan, R.O.C.  
Tel:02-26092133 Fax:02-26099303  
Email:ttemc@ttemc.com.tw

Data#: 147

File#: PHILIPS-1.EMI

Date: 2002-04-17 Time: 17:50:27



Site : No.4 Shielded room  
 Condition: FCC CLASS-B KNW-407 NEUTRAL  
 EUT : 15"Flat Panel Color Monitor M/N:F50S  
 POWER : 120Vac/60Hz  
 MEMO : 640\*480/60Hz 31.5KHz (DVI)  
 : DELTA 50W

Data#: 148 File#: D:\PHILIPS-1.EMI

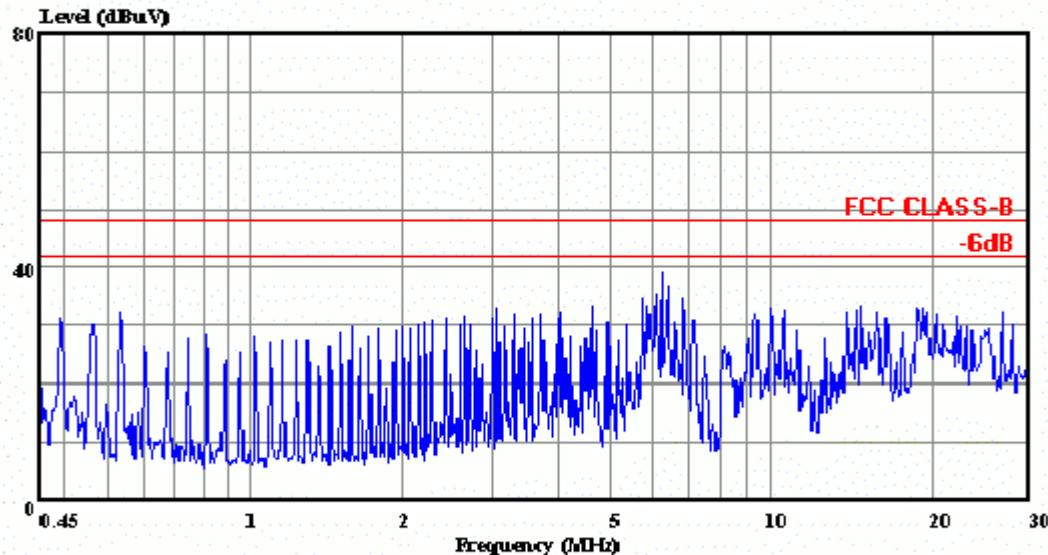
Date: 2002-04-17 Time: 17:51:16

Site : No.4 Shielded room  
 Condition : FCC CLASS-B KNW-407 NEUTRAL  
 EUT : 15"Flat Panel Color Monitor M/N:F50S  
 POWER : 120Vac/60Hz  
 MEMO : 640\*480/60Hz 31.5KHz (DVI)  
 : DELTA 50W

Freq	Level	Over	Limit	Read	Probe	Cable
		Line	dBuV	Level	Factor	Loss
MHz	dBuV	dB	dBuV	dBuV	dB	dB
1	0.563	29.40	-18.60	48.00	29.10	0.10
2	2.395	29.74	-18.26	48.00	29.24	0.10
3	4.088	30.59	-17.41	48.00	29.89	0.10
4	6.129	38.17	-9.83	48.00	37.42	0.15
5	6.693	35.90	-12.10	48.00	35.14	0.16
6	19.800	30.88	-17.12	48.00	29.88	0.30

**TOKIN**TAIWAN TOKIN EMC ENG. CORP.  
台灣東金科技股份有限公司No.53-11, Tin-fu Tsun, Lin-kou Hsiang,  
Taipei Country, Taiwan, R.O.C.  
Tel:02-26092133 Fax:02-26099303  
Email:ttemc@ttemc.com.tw

Data#: 145 File#: PHILIPS-1.EMI Date: 2002-04-17 Time: 17:48:57



Site : No.4 Shielded room  
 Condition: FCC CLASS-B KNW-407 LINE  
 EUT : 15"Flat Panel Color Monitor M/N:F50S  
 POWER : 120Vac/60Hz  
 MEMO : 640\*480/60Hz 31.5KHz (DVI)  
 : DELTA 50W

Data#: 146 File#: D:\PHILIPS-1.EMI

Date: 2002-04-17 Time: 17:49:40

Site : No.4 Shielded room  
 Condition : FCC CLASS-B KNW-407 LINE  
 EUT : 15"Flat Panel Color Monitor M/N:F50S  
 POWER : 120Vac/60Hz  
 MEMO : 640\*480/60Hz 31.5KHz (DVI)  
 : DELTA 50W

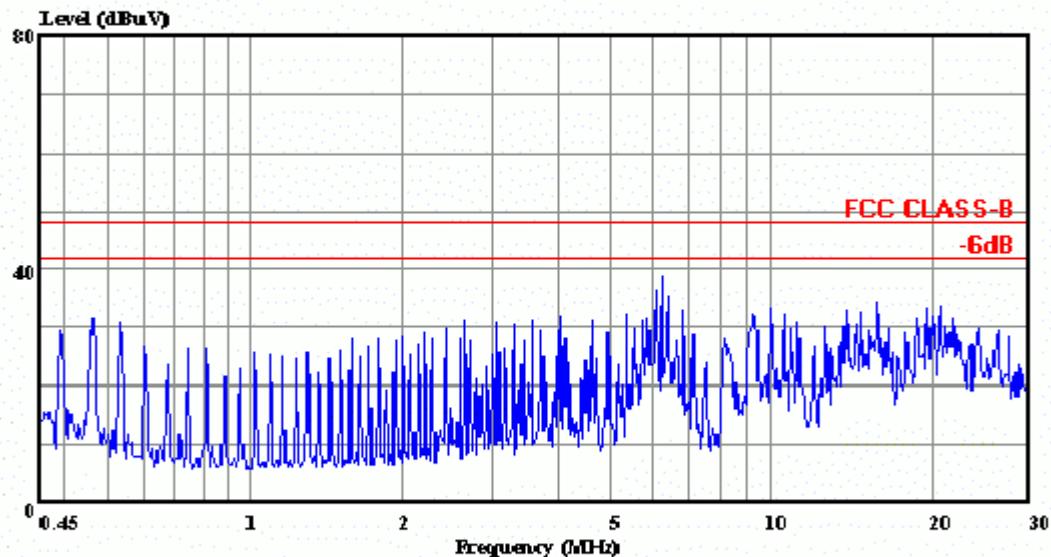
Freq	Level	Over	Limit	Read	Probe	Cable
		Line	dBuV	Level	Factor	Loss
MHz	dBuV	dB	dBuV	dBuV	dB	dB
1	0.564	29.14	-18.86	48.00	28.84	0.10
2	2.394	30.84	-17.16	48.00	30.34	0.10
3	4.086	31.69	-16.31	48.00	30.99	0.10
4	6.130	38.10	-9.90	48.00	37.40	0.10
5	6.696	36.08	-11.92	48.00	35.38	0.10
6	19.804	29.27	-18.73	48.00	28.27	0.30

**TOKIN**TAIWAN TOKIN EMC ENG. CORP.  
台灣東金科技股份有限公司No.53-11, Tin-fu Tsun, Lin-kou Hsiang,  
Taipei Country, Taiwan, R.O.C.  
Tel:02-26092133 Fax:02-26099303  
Email:ttemc@ttemc.com.tw

Data#: 149

File#: PHILIPS-1.EMI

Date: 2002-04-17 Time: 17:53:31



Site : No.4 Shielded room  
 Condition: FCC CLASS-B KNW-407 NEUTRAL  
 EUT : 15"Flat Panel Color Monitor M/N:F50S  
 POWER : 120Vac/60Hz  
 MEMO : 1024\*768/60Hz 48KHz (DVI)  
 : DELTA 50W

Data#: 150 File#: D:\PHILIPS-1.EMI

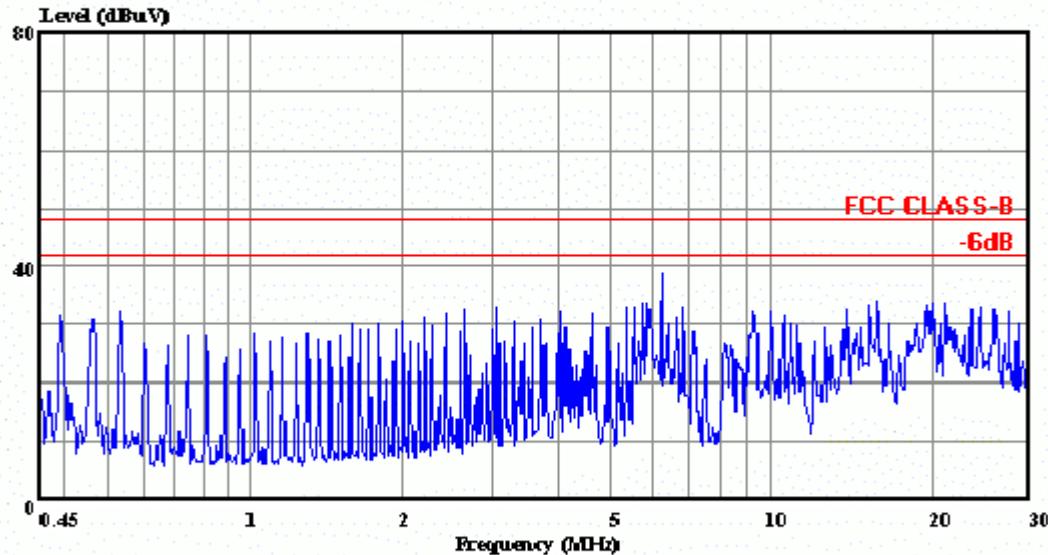
Date: 2002-04-17 Time: 17:54:14

Site : No.4 Shielded room  
 Condition : FCC CLASS-B KNW-407 NEUTRAL  
 EUT : 15"Flat Panel Color Monitor M/N:F50S  
 POWER : 120Vac/60Hz  
 MEMO : 1024\*768/60Hz 48KHz (DVI)  
 : DELTA 50W

Freq	Level	Over	Limit	Read	Probe	Cable
		Line	dBuV	Level	Factor	Loss
MHz	dBuV	dB	dBuV	dBuV	dB	dB
1	0.562	29.72	-18.28	48.00	29.42	0.10
2	2.395	29.48	-18.52	48.00	28.98	0.10
3	4.086	30.96	-17.04	48.00	30.26	0.10
4	6.128	37.78	-10.22	48.00	37.03	0.15
5	6.691	35.36	-12.64	48.00	34.60	0.16
6	19.797	30.37	-17.63	48.00	29.37	0.30

**TOKIN**TAIWAN TOKIN EMC ENG. CORP.  
台灣東金科技股份有限公司No.53-11, Tin-fu Tsun, Lin-kou Hsiang,  
Taipei Country, Taiwan, R.O.C.  
Tel:02-26092133 Fax:02-26099303  
Email:ttemc@ttemc.com.tw

Data#: 151 File#: PHILIPS-1.EMI Date: 2002-04-17 Time: 17:55:17



Site : No.4 Shielded room  
 Condition: FCC CLASS-B KNW-407 LINE  
 EUT : 15"Flat Panel Color Monitor M/N:F50S  
 POWER : 120Vac/60Hz  
 MEMO : 1024\*768/60Hz 48KHz (DVI)  
 : DELTA 50W

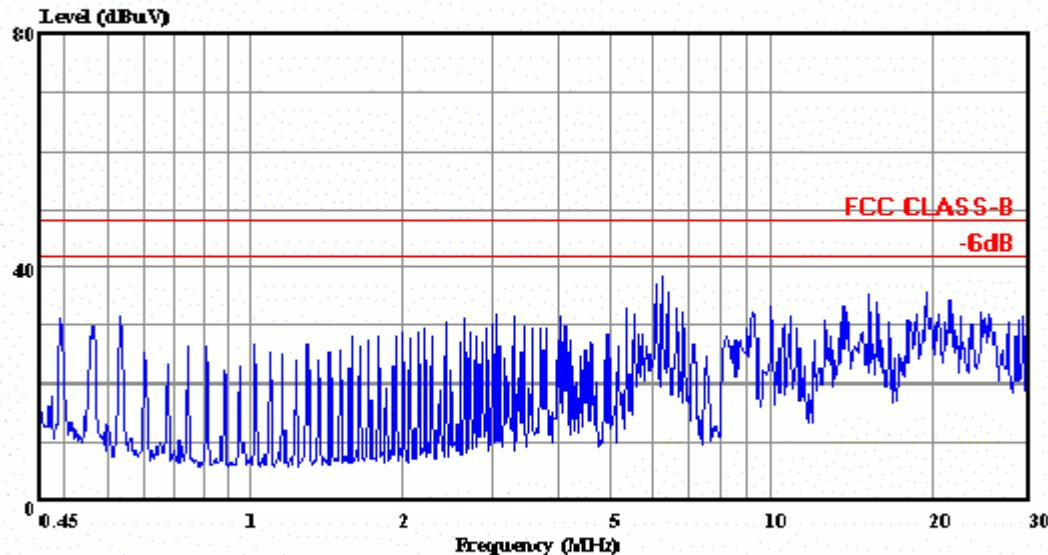
Data#: 152 File#: D:\PHILIPS-1.EMI Date: 2002-04-17 Time: 17:56:00

Site : No.4 Shielded room  
 Condition : FCC CLASS-B KNW-407 LINE  
 EUT : 15"Flat Panel Color Monitor M/N:F50S  
 POWER : 120Vac/60Hz  
 MEMO : 1024\*768/60Hz 48KHz (DVI)  
 : DELTA 50W

Freq	MHz	Over Limit		Read Limit		Probe Factor	Cable Loss	Remark
		Level	dB	Line	dBuV			
1	0.564	29.58	-18.42	48.00	29.28	0.10	0.20	QP
2	2.396	30.82	-17.18	48.00	30.32	0.10	0.40	QP
3	4.086	31.04	-16.96	48.00	30.34	0.10	0.60	QP
4	6.128	38.04	-9.96	48.00	37.34	0.10	0.60	QP
5	6.692	36.02	-11.98	48.00	35.32	0.10	0.60	QP
6	19.816	27.58	-20.42	48.00	26.58	0.30	0.70	QP

**TOKIN**TAIWAN TOKIN EMC ENG. CORP.  
台灣東金科技股份有限公司No.53-11, Tin-fu Tsun, Lin-kou Hsiang,  
Taipei Country, Taiwan, R.O.C.  
Tel:02-26092133 Fax:02-26099303  
Email:ttemc@ttemc.com.tw

Data#: 155 File#: PHILIPS-1.EMI Date: 2002-04-17 Time: 17:58:54



Site : No.4 Shielded room  
 Condition: FCC CLASS-B KNW-407 NEUTRAL  
 EUT : 15"Flat Panel Color Monitor M/N:F50S  
 POWER : 120Vac/60Hz  
 MEMO : 1024\*768/75Hz 60KHz (DVI)  
 : DELTA 50W

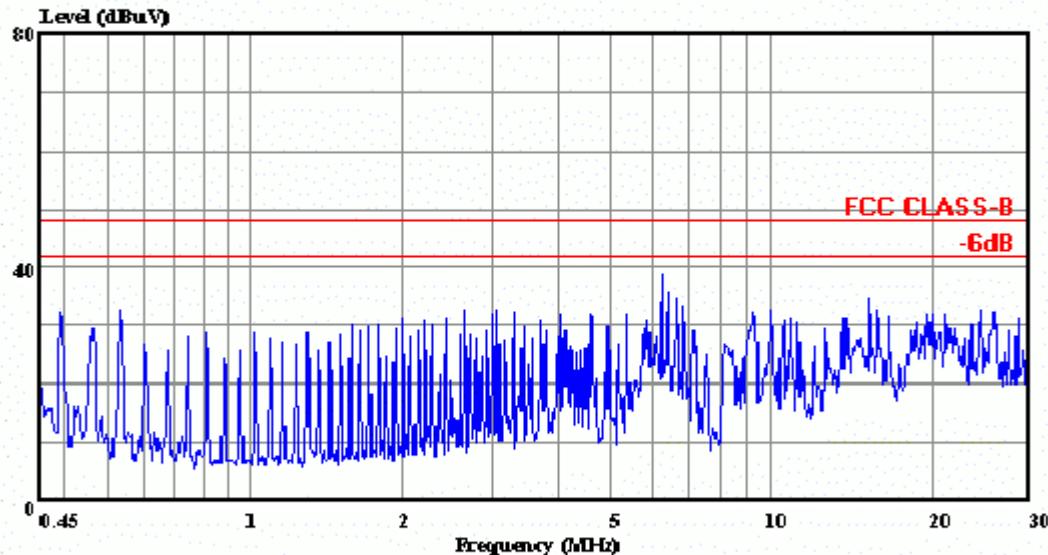
Data#: 156 File#: D:\PHILIPS-1.EMI Date: 2002-04-17 Time: 18:00:24

Site : No.4 Shielded room  
 Condition : FCC CLASS-B KNW-407 NEUTRAL  
 EUT : 15"Flat Panel Color Monitor M/N:F50S  
 POWER : 120Vac/60Hz  
 MEMO : 1024\*768/75Hz 60KHz (DVI)  
 : DELTA 50W

Freq	Level	Over	Limit	Read	Probe	Cable	Remark
		MHz	dBuV	dB	dBuV	dB	
1	0.562	29.64	-18.36	48.00	29.34	0.10	0.20 QP
2	2.396	29.04	-18.96	48.00	28.54	0.10	0.40 QP
3	4.084	30.88	-17.12	48.00	30.18	0.10	0.60 QP
4	6.129	37.74	-10.26	48.00	36.99	0.15	0.60 QP
5	6.692	35.28	-12.72	48.00	34.52	0.16	0.60 QP
6	19.805	28.74	-19.26	48.00	27.74	0.30	0.70 QP

**TOKIN**TAIWAN TOKIN EMC ENG. CORP.  
台灣東金科技股份有限公司No.53-11, Tin-fu Tsun, Lin-kou Hsiang,  
Taipei Country, Taiwan, R.O.C.  
Tel:02-26092133 Fax:02-26099303  
Email:ttemc@ttemc.com.tw

Data#: 153 File#: PHILIPS-1.EMI Date: 2002-04-17 Time: 17:57:41



Site : No.4 Shielded room  
 Condition: FCC CLASS-B KNW-407 LINE  
 EUT : 15"Flat Panel Color Monitor M/N:F50S  
 POWER : 120Vac/60Hz  
 MEMO : 1024\*768/75Hz 60KHz (DVI)  
 : DELTA 50W

Data#: 154 File#: D:\PHILIPS-1.EMI

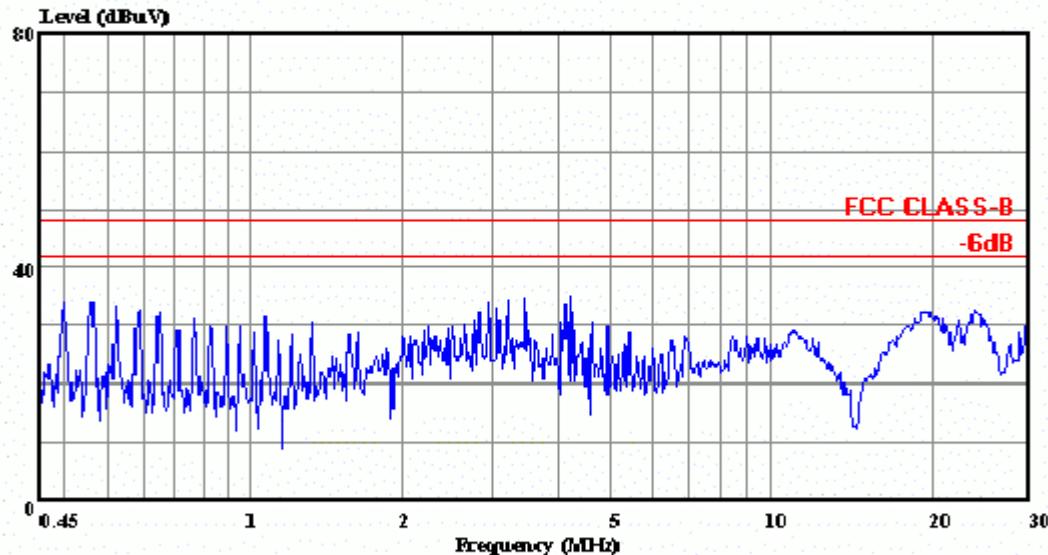
Date: 2002-04-17 Time: 17:58:02

Site : No.4 Shielded room  
 Condition : FCC CLASS-B KNW-407 LINE  
 EUT : 15"Flat Panel Color Monitor M/N:F50S  
 POWER : 120Vac/60Hz  
 MEMO : 1024\*768/75Hz 60KHz (DVI)  
 : DELTA 50W

Freq	Level	Over	Limit	Read	Probe	Cable	Remark
		MHz	dBuV	dB	dBuV	dB	
1	0.562	29.83	-18.17	48.00	29.53	0.10	0.20 QP
2	2.394	31.53	-16.47	48.00	31.03	0.10	0.40 QP
3	4.086	31.22	-16.78	48.00	30.52	0.10	0.60 QP
4	6.127	38.10	-9.90	48.00	37.40	0.10	0.60 QP
5	6.692	35.98	-12.02	48.00	35.28	0.10	0.60 QP
6	19.812	27.32	-20.68	48.00	26.32	0.30	0.70 QP

**TOKIN**TAIWAN TOKIN EMC ENG. CORP.  
台灣東金科技股份有限公司No.53-11, Tin-fu Tsun, Lin-kou Hsiang,  
Taipei Country, Taiwan, R.O.C.  
Tel:02-26092133 Fax:02-26099303  
Email:ttemc@ttemc.com.tw

Data#: 163 File#: PHILIPS-1.EMI Date: 2002-04-17 Time: 18:14:47



Site : No.4 Shielded room  
 Condition: FCC CLASS-B KNW-407 NEUTRAL  
 EUT : 15"Flat Panel Color Monitor M/N:L1520e  
 POWER : 120Vac/60Hz  
 MEMO : 1024\*768/75Hz 60KHz (DVI)  
 : Li Shin 40W

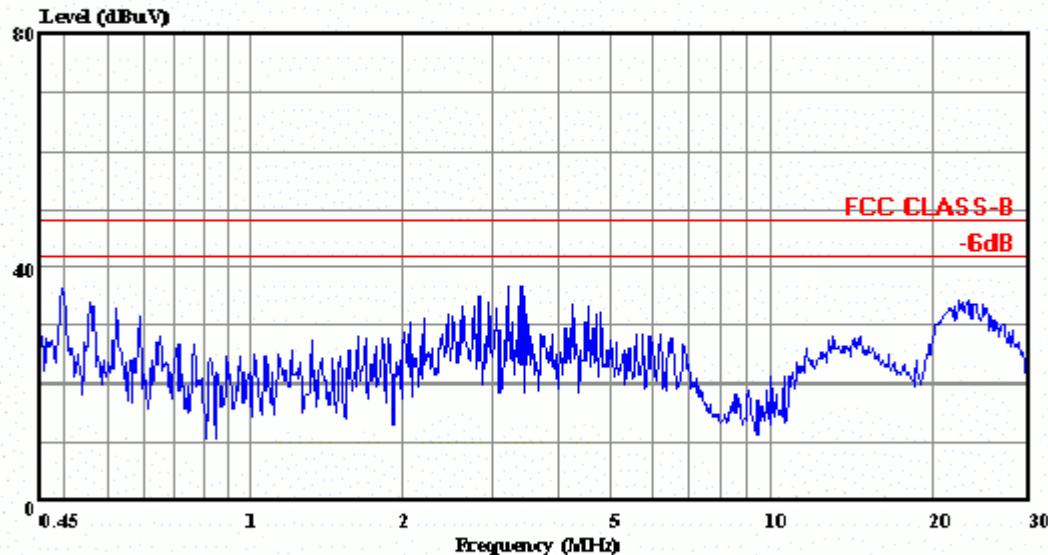
Data#: 164 File#: D:\PHILIPS-1.EMI Date: 2002-04-17 Time: 18:15:58

Site : No.4 Shielded room  
 Condition : FCC CLASS-B KNW-407 NEUTRAL  
 EUT : 15"Flat Panel Color Monitor M/N:L1520e  
 POWER : 120Vac/60Hz  
 MEMO : 1024\*768/75Hz 60KHz (DVI)  
 : Li Shin 40W

Freq	Level	Over	Limit	Read	Probe	Cable
		Line	dBuV	Level	Factor	Loss
MHz	dBuV	dB	dBuV	dBuV	dB	dB
1	0.498	32.81	-15.19	48.00	32.51	0.10
2	0.621	32.16	-15.84	48.00	31.86	0.10
3	2.796	32.05	-15.95	48.00	31.55	0.10
4	4.100	30.14	-17.86	48.00	29.44	0.10
5	11.286	26.50	-21.50	48.00	25.60	0.20
6	24.030	29.02	-18.98	48.00	27.94	0.38

**TOKIN**TAIWAN TOKIN EMC ENG. CORP.  
台灣東金科技股份有限公司No.53-11, Tin-fu Tsun, Lin-kou Hsiang,  
Taipei Country, Taiwan, R.O.C.  
Tel:02-26092133 Fax:02-26099303  
Email:ttemc@ttemc.com.tw

Data#: 161 File#: PHILIPS-1.EMI Date: 2002-04-17 Time: 18:12:48



Site : No.4 Shielded room  
 Condition: FCC CLASS-B KNW-407 LINE  
 EUT : 15"Flat Panel Color Monitor M/N:L1520e  
 POWER : 120Vac/60Hz  
 MEMO : 1024\*768/75Hz 60KHz (DVI)  
 : Li Shin 40W

Data#: 162 File#: D:\PHILIPS-1.EMI Date: 2002-04-17 Time: 18:13:58

Site : No.4 Shielded room  
 Condition : FCC CLASS-B KNW-407 LINE  
 EUT : 15"Flat Panel Color Monitor M/N:L1520e  
 POWER : 120Vac/60Hz  
 MEMO : 1024\*768/75Hz 60KHz (DVI)  
 : Li Shin 40W

Freq	Level	Over	Limit	Read	Probe	Cable	Remark
		MHz	dBuV	dB	dBuV	dB	
1	0.498	37.08	-10.92	48.00	36.78	0.10	0.20 QP
2	0.622	31.72	-16.28	48.00	31.42	0.10	0.20 QP
3	2.801	32.05	-15.95	48.00	31.55	0.10	0.40 QP
4	4.107	33.07	-14.93	48.00	32.37	0.10	0.60 QP
5	14.335	24.19	-23.81	48.00	23.29	0.20	0.70 QP
6	23.326	29.73	-18.27	48.00	28.65	0.38	0.70 QP

### 3. RADIATED EMISSION TEST

#### 3.1. Test Equipment

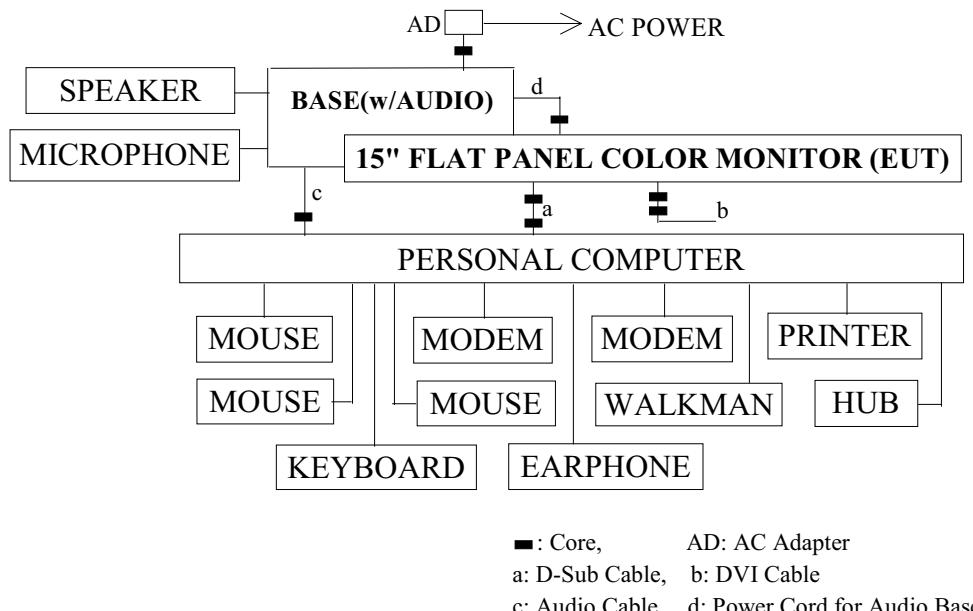
The following test equipment are used during the radiated emission tests :

Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Test Receiver	Rohde&Schwarz	ESVS10	845165/018	May.02, 01'	1 Year
2.	Biconical Antenna	Chase	VBA6106A	1263	Nov.07, 01'	1 Year
3.	Log Periodic Antenna	Chase	UPA6109	1020	Nov.07, 01'	1 Year

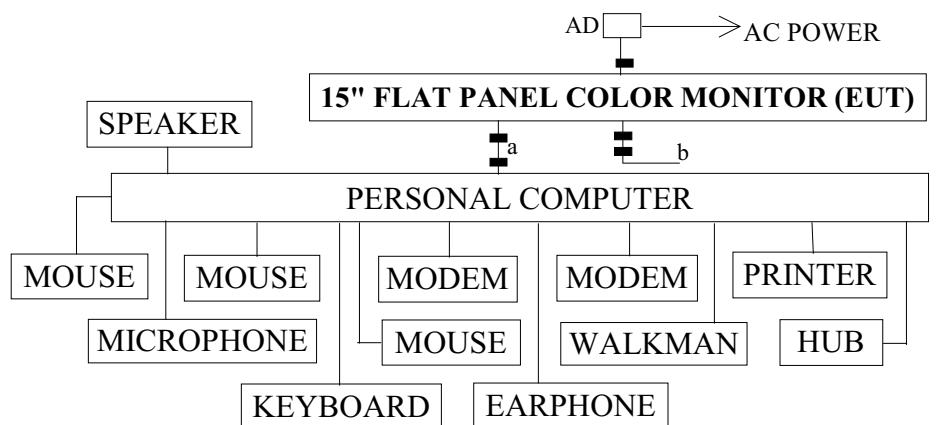
#### 3.2. Block Diagram of Test Setup

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

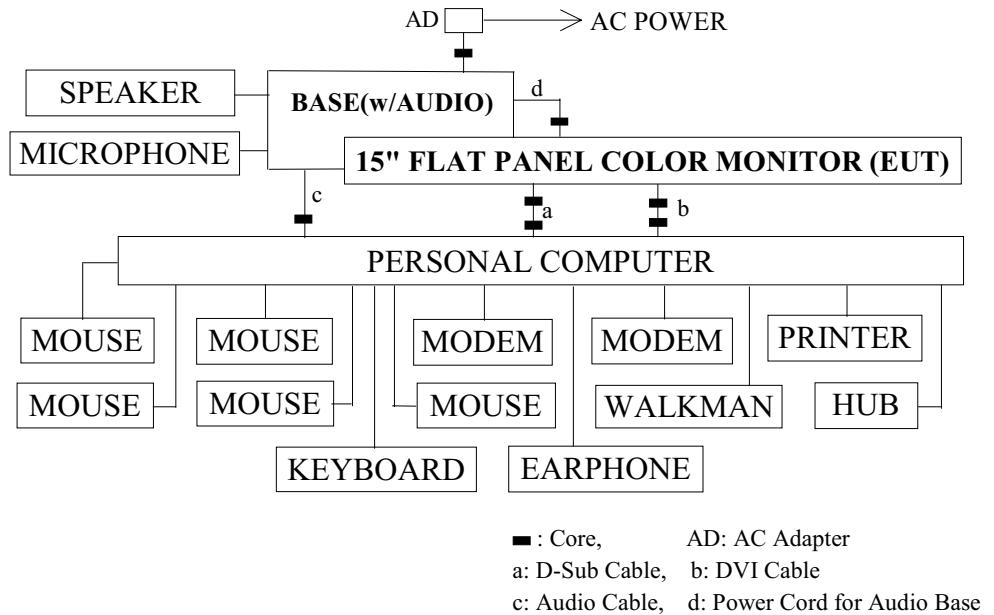
###### 3.2.1.1. Test Mode: D-Sub Input, EUT with Audio



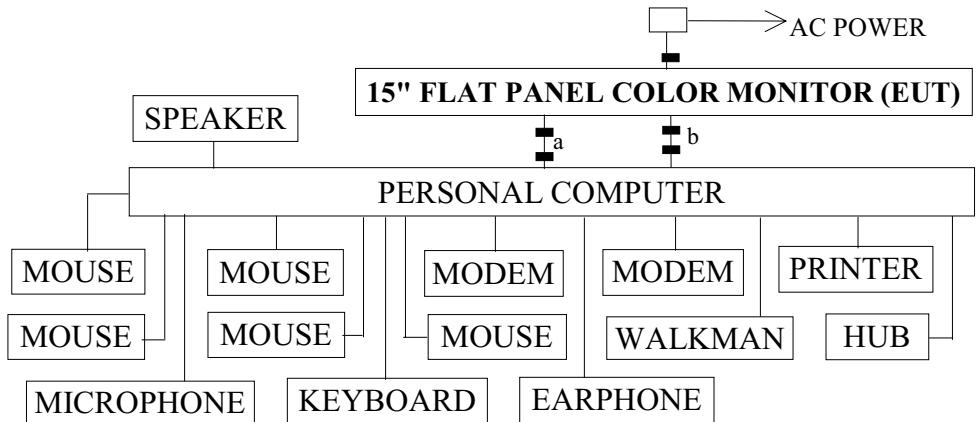
###### 3.2.1.2. Test Mode: D-Sub Input, EUT without Audio



## 3.2.1.3. Test Mode: DVI Input, EUT with Audio

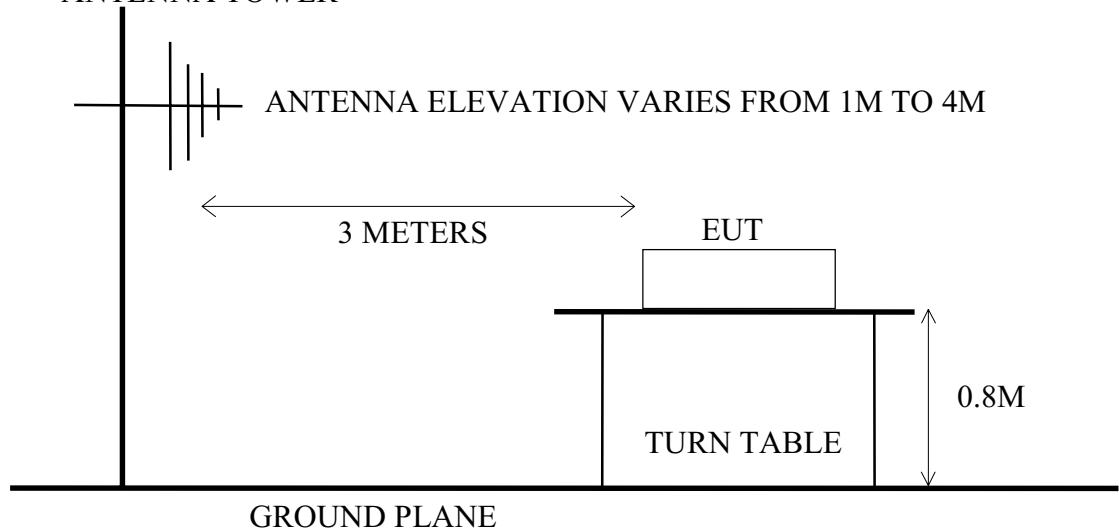


## 3.2.1.4. Test Mode: DVI Input, EUT without Audio



## 3.2.2. Open Field Test Site (3M) Setup Diagram

ANTENNA TOWER



### 3.3. Radiation Limit (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	
		$\mu\text{V/m}$	$\text{dB}\mu\text{V/m}$
30 ~ 88	3	100	40.0
88 ~ 216	3	150	43.5
216 ~ 960	3	200	46.0
Above 960	3	500	54.0

Remark : (1) Emission level ( $\text{dB}\mu\text{V/m}$ ) =  $20 \log \text{Emission level } (\mu\text{V/m})$   
 (2) The tighter limit applies at the edge between two frequency bands.  
 (3) Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

### 3.4. EUT's Configuration during Compliance Measurement

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

### 3.5. Operating Condition of EUT

Same as conducted measurement which was listed in 2.5. 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 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 ESVS10 was set at 120KHz.

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

The test voltage was AC 120V/60Hz via AC Adapter of EUT.

EUT with the following test modes were done during radiated measurement and all the test results are listed in section 3.8. (※worst test mode)

The details of test modes are as follows:

No.	Product Model	Model Name	Input Port	Resolution / Frequency	AC Adapter	Panel Angle
1.	D5063S	F50S	D-Sub	640*480/60Hz, 31.5kHz	Delta(50W)	0°
2.	D5063S	F50S	D-Sub	1024*768/60Hz, 48kHz	Delta(50W)	0°
3.	D5063S	F50S	D-Sub	1024*768/75Hz, 60kHz	Delta(50W)	0°
4.	D5063C	L1520e	D-Sub	1024*768/75Hz, 60kHz	Delta(40W)	0°
5.	D5063C	L1520e	D-Sub	1024*768/75Hz, 60kHz	LI SHIN(50W)	0°
6.	D5063C	L1520e	D-Sub	1024*768/75Hz, 60kHz	LI SHIN(40W)	0°
7.	D5063C	L1520e	D-Sub	1024*768/75Hz, 60kHz	LI SHIN(40W)	90°
8.	D5063S	F50S	DVI	640*480/60Hz, 31.5kHz	Delta(50W)	0°
9.	D5063S	F50S	DVI	1024*768/60Hz, 48kHz	Delta(50W)	0°
10.	D5063S	F50S	DVI	1024*768/75Hz, 60kHz	Delta(50W)	0°
11.	D5063C	L1520e	DVI	1024*768/75Hz, 60kHz	LI SHIN(40W)	0°

### 3.7. Test Results

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

### 3.8. Radiated Emission Measurement Results

The frequency spectrum from 30 MHz to 1000MHz is investigated. All the emissions not reported below are too low against the FCC Part 15 Subpart B Class B limits.

Date of Test :	Apr. 15, 2002	Temperature :	27°C
EUT :	15" Flat Panel Color Monitor, D5063S	Humidity :	50%
Test Mode 1 :	640*480/60Hz, 31.5kHz (Input: D-Sub, Adapter: Delta(50W), Panel Angle:0°)		

Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading Horizontal dB $\mu$ V	Emission Level Horizontal dB $\mu$ V/m	Limits dB $\mu$ V/m	Margin dB
65.012	11.85	1.21	14.37	27.43	40.00	12.57
130.012	20.25	1.66	7.17	29.08	43.50	14.42
162.512	20.62	1.89	10.40	32.91	43.50	10.59
195.012	21.96	2.19	4.75	28.90	43.50	14.60
227.497	23.24	2.40	2.78	28.42	46.00	17.58
260.008	24.06	2.58	5.27	31.91	46.00	14.09
325.000	13.90	2.94	11.28	28.12	46.00	17.88
357.500	15.32	3.14	7.16	25.62	46.00	20.38
455.000	17.10	3.51	4.70	25.31	46.00	20.69
520.000	18.64	3.94	0.11	22.69	46.00	23.31
585.000	18.79	4.42	0.98	24.19	46.00	21.81
714.949	20.63	5.01	- 0.63	25.01	46.00	20.99

Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading Vertical dB $\mu$ V	Emission Level Vertical dB $\mu$ V/m	Limits dB $\mu$ V/m	Margin dB
32.487	23.20	0.84	0.38	24.42	40.00	15.58
64.987	12.67	1.21	8.32	22.20	40.00	17.80
129.987	18.34	1.66	7.45	27.45	43.50	16.05
162.487	19.42	1.89	7.06	28.37	43.50	15.13
227.487	22.71	2.40	4.21	29.32	46.00	16.68
260.004	24.06	2.58	7.04	33.68	46.00	12.32
357.504	15.20	3.14	8.97	27.31	46.00	18.69
390.004	16.03	3.32	4.32	23.67	46.00	22.33
455.004	17.03	3.51	3.73	24.27	46.00	21.73
487.462	17.87	3.70	3.38	24.95	46.00	21.05
649.962	19.89	4.87	- 0.90	23.86	46.00	22.14
682.488	21.16	4.87	- 1.59	24.44	46.00	21.56

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

Date of Test : Apr. 15, 2002 Temperature : 27°C  
 EUT : 15" Flat Panel Color Monitor, D5063S Humidity : 50%  
 Test Mode 2 : 1024\*768/60Hz, 48kHz (Input: D-Sub, Adapter: Delta(50W), Panel Angle:0°)

Frequency MHz	Antenna Factor	Cable Loss	Meter Reading		Emission Level		Margin dB
	dB/m	dB	Horizontal dB $\mu$ V	Horizontal dB $\mu$ V/m	Limits dB $\mu$ V/m		
66.000	11.99	1.21	15.37	28.57	40.00	11.43	
99.000	16.66	1.48	13.64	31.78	43.50	11.72	
132.000	20.14	1.72	8.66	30.52	43.50	12.98	
*	<b>165.000</b>	<b>20.79</b>	<b>1.98</b>	<b>14.31</b>	<b>37.08</b>	<b>43.50</b>	<b>6.42</b>
198.000	21.99	2.17	8.51	32.67	43.50	10.83	
231.000	23.27	2.38	5.80	31.45	46.00	14.55	
264.000	24.13	2.57	6.00	32.70	46.00	13.30	
330.000	14.37	2.91	10.70	27.98	46.00	18.02	
363.000	15.62	3.13	8.81	27.56	46.00	18.44	
428.995	16.34	3.46	5.35	25.15	46.00	20.85	
593.972	18.88	4.47	1.82	25.17	46.00	20.83	
659.960	21.07	4.82	1.80	27.69	46.00	18.31	
791.956	21.87	5.29	0.71	27.87	46.00	18.13	

Remark : 1. All reading are Quasi-Peak values.  
 2. “\*” The worst emission was detected at 165.000MHz with corrected signal level of 37.08dB $\mu$ V/m (limit was 43.5dB $\mu$ V/m) when the antenna was at horizontal polarization and was at 3m high and the turn table was at 225° .  
 3. 0° is the table front facing the antenna. Degree is calculated from 0° clockwise facing the antenna.

Date of Test : Apr. 15, 2002 Temperature : 27°C  
 EUT : 15" Flat Panel Color Monitor, D5063S Humidity : 50%  
 Test Mode 2 : 1024\*768/60Hz, 48kHz (Input: D-Sub, Adapter: Delta(50W), Panel Angle:0°)

Frequency MHz	Antenna Factor	Cable Loss	Meter Reading Vertical dB $\mu$ V	Emission Level Vertical dB $\mu$ V/m	Limits dB $\mu$ V/m	Margin dB
45.913	17.46	1.01	9.70	28.17	40.00	11.83
66.000	12.22	1.21	13.72	27.15	40.00	12.85
*	<b>99.000</b>	<b>17.56</b>	<b>1.48</b>	<b>13.41</b>	<b>32.45</b>	<b>43.50</b>
124.649	17.94	1.65	9.40	28.99	43.50	14.51
165.000	19.59	1.98	9.93	31.50	43.50	12.00
198.000	22.92	2.17	6.98	32.07	43.50	11.43
231.000	23.31	2.38	3.64	29.33	46.00	16.67
330.000	14.64	2.91	11.40	28.95	46.00	17.05
363.000	15.26	3.13	10.63	29.02	46.00	16.98
428.981	16.09	3.46	8.04	27.59	46.00	18.41
494.964	17.88	3.84	5.40	27.12	46.00	18.88
593.956	19.24	4.47	1.01	24.72	46.00	21.28
725.941	20.56	5.14	1.82	27.52	46.00	18.48

Remark : 1. All reading are Quasi-Peak values.  
 2. “\*” The worst emission was detected at 99.000MHz with corrected signal level of 32.45dB $\mu$ V/m (limit was 43.5dB $\mu$ V/m) when the antenna was at vertical polarization and was at 1m high and the turn table was at 80° .  
 3. 0° is the table front facing the antenna. Degree is calculated from 0° clockwise facing the antenna.

Date of Test : Apr. 15, 2002 Temperature : 27°C  
 EUT : 15" Flat Panel Color Monitor, D5063S Humidity : 50%  
 Test Mode 3 : 1024\*768/75Hz, 60kHz (Input: D-Sub, Adapter: Delta(50W), Panel Angle:0°)

Frequency MHz	Antenna Factor	Cable Loss dB	Meter Reading Horizontal dB $\mu$ V	Emission Level Horizontal dB $\mu$ V/m	Limits dB $\mu$ V/m	Margin dB
66.000	11.99	1.21	17.23	30.43	40.00	9.57
76.175	13.24	1.29	14.16	28.69	40.00	11.31
99.000	16.66	1.48	13.41	31.55	43.50	11.95
132.000	20.14	1.72	8.99	30.85	43.50	12.65
165.000	20.79	1.98	10.25	33.02	43.50	10.48
198.000	21.99	2.17	8.66	32.82	43.50	10.68
231.000	23.27	2.38	6.67	32.32	46.00	13.68
264.000	24.13	2.57	6.69	33.39	46.00	12.61
330.000	14.37	2.91	13.48	30.76	46.00	15.24
363.000	15.62	3.13	7.53	26.28	46.00	19.72
428.983	16.34	3.46	5.87	25.67	46.00	20.33
527.970	18.18	4.03	1.01	23.22	46.00	22.78
659.960	21.07	4.82	1.58	27.47	46.00	18.53
725.953	20.67	5.14	0.37	26.18	46.00	19.82
923.957	23.87	6.12	-0.16	29.83	46.00	16.17

Frequency MHz	Antenna Factor	Cable Loss dB	Meter Reading Vertical dB $\mu$ V	Emission Level Vertical dB $\mu$ V/m	Limits dB $\mu$ V/m	Margin dB
45.764	17.49	1.01	10.48	28.98	40.00	11.02
66.000	12.22	1.21	14.91	28.34	40.00	11.66
99.000	17.56	1.48	10.25	29.29	43.50	14.21
124.375	17.91	1.64	10.19	29.74	43.50	13.76
165.000	19.59	1.98	5.76	27.33	43.50	16.17
198.000	22.92	2.17	6.17	31.26	43.50	12.24
231.000	23.31	2.38	2.36	28.05	46.00	17.95
264.000	23.95	2.57	3.40	29.92	46.00	16.08
330.000	14.64	2.91	8.66	26.21	46.00	19.79
363.000	15.26	3.13	11.27	29.66	46.00	16.34
428.972	16.09	3.46	7.15	26.70	46.00	19.30
494.984	17.88	3.84	5.44	27.16	46.00	18.84
593.969	19.24	4.47	1.39	25.10	46.00	20.90
725.954	20.56	5.14	1.58	27.28	46.00	18.72

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

Date of Test : Apr. 15, 2002 Temperature : 27°C  
 EUT : 15" Flat Panel Color Monitor, D5063C Humidity : 50%  
 Test Mode 4 : 1024\*768/75Hz, 60kHz (Input: D-Sub, Adapter: Delta(40W), Panel Angle:0°)

Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading Horizontal dB $\mu$ V	Meter Reading Horizontal dB $\mu$ V/m	Emission Level Limits dB $\mu$ V/m	Margin dB
66.000	11.99	1.21	20.71	33.91	40.00	6.09
99.000	16.66	1.48	17.04	35.18	43.50	8.32
132.000	20.14	1.72	14.76	36.62	43.50	6.88
165.000	20.79	1.98	16.00	38.77	43.50	4.73
198.000	21.99	2.17	12.04	36.20	43.50	7.30
231.000	23.27	2.38	14.31	39.96	46.00	6.04
297.000	27.06	2.78	14.02	43.86	46.00	2.14
362.989	15.62	3.13	19.01	37.76	46.00	8.24
428.986	16.34	3.46	10.61	30.41	46.00	15.59
527.976	18.18	4.03	7.37	29.58	46.00	16.42
560.968	19.18	4.32	8.90	32.40	46.00	13.60
593.962	18.88	4.47	7.31	30.66	46.00	15.34
791.950	21.87	5.29	4.72	31.88	46.00	14.12

Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading Vertical dB $\mu$ V	Meter Reading Vertical dB $\mu$ V/m	Emission Level Limits dB $\mu$ V/m	Margin dB
66.000	12.22	1.21	15.82	29.25	40.00	10.75
86.723	14.49	1.37	14.19	30.05	40.00	9.95
92.903	16.29	1.42	16.16	33.87	43.50	9.63
108.375	17.92	1.56	17.49	36.97	43.50	6.53
132.000	18.43	1.72	12.24	32.39	43.50	11.11
165.000	19.59	1.98	11.78	33.35	43.50	10.15
198.000	22.92	2.17	10.37	35.46	43.50	8.04
231.000	23.31	2.38	9.87	35.56	46.00	10.44
297.000	25.33	2.78	12.40	40.51	46.00	5.49
362.988	15.26	3.13	20.15	38.54	46.00	7.46
428.978	16.09	3.46	14.79	34.34	46.00	11.66
494.964	17.88	3.84	10.50	32.22	46.00	13.78
527.992	18.79	4.03	5.97	28.79	46.00	17.21
659.956	20.40	4.82	2.59	27.81	46.00	18.19
791.963	22.31	5.29	3.15	30.75	46.00	15.25

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

Date of Test : Apr. 15, 2002 Temperature : 27°CEUT : 15" Flat Panel Color Monitor, D5063C Humidity : 50%Test Mode 5 : 1024\*768/75Hz, 60kHz (Input: D-Sub, Adapter: LI SHIN(50W), Panel Angle:0°)

Frequency MHz	Antenna Factor	Cable Loss dB	Meter Reading		Emission Level	
			Horizontal dB $\mu$ V	Horizontal dB $\mu$ V/m	Limits dB $\mu$ V/m	Margin dB
66.000	11.99	1.21	20.49	33.69	40.00	6.31
99.000	16.66	1.48	18.43	36.57	43.50	6.93
132.000	20.14	1.72	15.00	36.86	43.50	6.64
165.000	20.79	1.98	15.34	38.11	43.50	5.39
198.000	21.99	2.17	12.55	36.71	43.50	6.79
231.000	23.27	2.38	14.07	39.72	46.00	6.28
297.000	27.06	2.78	13.86	43.70	46.00	2.30
362.984	15.62	3.13	16.81	35.56	46.00	10.44
428.985	16.34	3.46	12.04	31.84	46.00	14.16
494.954	17.59	3.84	5.65	27.08	46.00	18.92
560.967	19.18	4.32	5.31	28.81	46.00	17.19
659.956	21.07	4.82	1.89	27.78	46.00	18.22
791.963	21.87	5.29	4.62	31.78	46.00	14.22

Frequency MHz	Antenna Factor	Cable Loss dB	Meter Reading		Emission Level	
			Vertical dB $\mu$ V	Vertical dB $\mu$ V/m	Limits dB $\mu$ V/m	Margin dB
38.147	20.33	0.93	9.97	31.23	40.00	8.77
66.000	12.22	1.21	15.83	29.26	40.00	10.74
79.903	13.71	1.32	16.70	31.73	40.00	8.27
99.000	17.56	1.48	17.89	36.93	43.50	6.57
132.000	18.43	1.72	14.64	34.79	43.50	8.71
165.000	19.59	1.98	11.62	33.19	43.50	10.31
198.000	22.92	2.17	11.11	36.20	43.50	7.30
231.000	23.31	2.38	10.40	36.09	46.00	9.91
297.000	25.33	2.78	11.08	39.19	46.00	6.81
362.987	15.26	3.13	18.04	36.43	46.00	9.57
428.969	16.09	3.46	13.33	32.88	46.00	13.12
494.975	17.88	3.84	8.86	30.58	46.00	15.42
527.959	18.79	4.03	7.77	30.59	46.00	15.41
659.979	20.40	4.82	2.42	27.64	46.00	18.36
791.952	22.31	5.29	2.76	30.36	46.00	15.64

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

Date of Test : Apr. 15, 2002 Temperature : 27°C  
 EUT : 15" Flat Panel Color Monitor, D5063C Humidity : 50%  
 Test Mode 6 : 1024\*768/75Hz, 60kHz (Input: D-Sub, Adapter: LI SHIN(40W), Panel Angle:0°)

Frequency MHz	Antenna Factor	Cable Loss	Meter Reading		Emission Level	
	dB/m	dB	Horizontal dB $\mu$ V	Horizontal dB $\mu$ V/m	Limits dB $\mu$ V/m	Margin dB
66.000	11.99	1.21	16.32	29.52	40.00	10.48
82.500	14.64	1.36	8.46	24.46	40.00	15.54
99.000	16.66	1.48	17.09	35.23	43.50	8.27
110.251	17.88	1.53	10.68	30.09	43.50	13.41
132.000	20.14	1.72	14.23	36.09	43.50	7.41
165.000	20.79	1.98	15.08	37.85	43.50	5.65
198.000	21.99	2.17	10.72	34.88	43.50	8.62
231.000	23.27	2.38	13.61	39.26	46.00	6.74
*	<b>297.000</b>	<b>27.06</b>	<b>2.78</b>	<b>14.09</b>	<b>43.93</b>	<b>46.00</b>
362.975	15.62	3.13	19.55	38.30	46.00	7.70
428.976	16.34	3.46	12.90	32.70	46.00	13.30
494.972	17.59	3.84	6.70	28.13	46.00	17.87
560.964	19.18	4.32	8.27	31.77	46.00	14.23
593.955	18.88	4.47	6.98	30.33	46.00	15.67
791.955	21.87	5.29	4.81	31.97	46.00	14.03

- Remark : 1. All reading are Quasi-Peak values.  
 2. “\*” The worst emission was detected at 297.000MHz with corrected signal level of 43.93dB $\mu$ V/m (limit was 46.0dB $\mu$ V/m) when the antenna was at horizontal polarization and was at 1.8m high and the turn table was at 110° .  
 3. 0° is the table front facing the antenna. Degree is calculated from 0° clockwise facing the antenna.

Date of Test : Apr. 15, 2002 Temperature : 27°C  
 EUT : 15" Flat Panel Color Monitor, D5063C Humidity : 50%  
 Test Mode 6 : 1024\*768/75Hz, 60kHz (Input: D-Sub, Adapter: LI SHIN(40W), Panel Angle:0°)

Frequency MHz	Antenna Factor	Cable Loss	Meter Reading Vertical dB $\mu$ V	Emission Level Vertical dB $\mu$ V/m	Limits dB $\mu$ V/m	Margin dB
71.317	12.33	1.30	17.93	31.56	40.00	8.44
86.953	14.51	1.38	13.29	29.18	40.00	10.82
99.000	17.56	1.48	14.01	33.05	43.50	10.45
*	<b>110.384</b>	<b>17.69</b>	<b>1.53</b>	<b>17.84</b>	<b>37.06</b>	<b>43.50</b>
132.000	18.43	1.72	12.49	32.64	43.50	10.86
165.000	19.59	1.98	12.01	33.58	43.50	9.92
198.000	22.92	2.17	9.86	34.95	43.50	8.55
231.000	23.31	2.38	8.89	34.58	46.00	11.42
296.986	25.33	2.78	11.02	39.13	46.00	6.87
362.976	15.26	3.13	19.26	37.65	46.00	8.35
428.968	16.09	3.46	14.15	33.70	46.00	12.30
461.963	17.70	3.54	9.55	30.79	46.00	15.21
494.953	17.88	3.84	9.56	31.28	46.00	14.72
560.961	20.17	4.32	7.47	31.96	46.00	14.04
659.958	20.40	4.82	2.66	27.88	46.00	18.12
791.943	22.31	5.29	3.60	31.20	46.00	14.80

- Remark :
1. All reading are Quasi-Peak values.
  2. “\*” The worst emission was detected at 110.384MHz with corrected signal level of 37.06dB $\mu$ V/m (limit was 43.5dB $\mu$ V/m) when the antenna was at vertical polarization and was at 2m high and the turn table was at 350° .
  3. 0° is the table front facing the antenna. Degree is calculated from 0° clockwise facing the antenna.

Date of Test : Apr. 15, 2002 Temperature : 27°CEUT : 15" Flat Panel Color Monitor, D5063C Humidity : 50%Test Mode7 : 1024\*768/75Hz, 60kHz (Input: D-Sub, Adapter: LI SHIN(40W), Panel Angle:90°)

Frequency MHz	Antenna Factor	Cable Loss dB	Meter Reading		Emission Level	
			Horizontal dB $\mu$ V	Horizontal dB $\mu$ V/m	Limits dB $\mu$ V/m	Margin dB
66.000	11.99	1.21	12.19	25.39	40.00	14.61
99.000	16.66	1.48	13.40	31.54	43.50	11.96
110.107	17.84	1.55	14.54	33.93	43.50	9.57
132.000	20.14	1.72	9.05	30.91	43.50	12.59
165.000	20.79	1.98	10.76	33.53	43.50	9.97
198.000	21.99	2.17	8.12	32.28	43.50	11.22
231.000	23.27	2.38	16.51	42.16	46.00	3.84
*	<b>297.000</b>	<b>27.06</b>	<b>2.78</b>	<b>12.56</b>	<b>42.40</b>	<b>46.00</b>
362.990	15.62	3.13	18.08	36.83	46.00	9.17
428.985	16.34	3.46	11.89	31.69	46.00	14.31
494.981	17.59	3.84	7.91	29.34	46.00	16.66
560.968	19.18	4.32	4.69	28.19	46.00	17.81
659.953	21.07	4.82	2.06	27.95	46.00	18.05
791.956	21.87	5.29	3.53	30.69	46.00	15.31

Remark : 1. All reading are Quasi-Peak values.  
 2. “\*” The worst emission was detected at 297.000MHz with corrected signal level of 42.40dB $\mu$ V/m (limit was 46.0dB $\mu$ V/m) when the antenna was at horizontal polarization and was at 2.5m high and the turn table was at 135° .  
 3. 0° is the table front facing the antenna. Degree is calculated from 0° clockwise facing the antenna.

Date of Test : Apr. 15, 2002 Temperature : 27°C  
 EUT : 15" Flat Panel Color Monitor, D5063C Humidity : 50%  
 Test Mode 7 : 1024\*768/75Hz, 60kHz (Input: D-Sub, Adapter: LI SHIN(40W), Panel Angle:90°)

Frequency MHz	Antenna Factor	Cable Loss	Meter Reading		Emission Level		Margin dB
	dB/m	dB	Vertical dB $\mu$ V	Vertical dB $\mu$ V/m	Limits dB $\mu$ V/m		
71.563	12.38	1.29	17.03	30.70	40.00	9.30	
*	<b>110.295</b>	<b>17.69</b>	<b>1.53</b>	<b>20.18</b>	<b>39.40</b>	<b>43.50</b>	<b>4.10</b>
138.380	18.92	1.76	13.08	33.76	43.50	9.74	
160.705	19.32	1.90	10.63	31.85	43.50	11.65	
198.000	22.92	2.17	7.30	32.39	43.50	11.11	
231.000	23.31	2.38	6.55	32.24	46.00	13.76	
297.000	25.33	2.78	9.86	37.97	46.00	8.03	
362.981	15.26	3.13	17.85	36.24	46.00	9.76	
428.988	16.09	3.46	10.56	30.11	46.00	15.89	
494.977	17.88	3.84	9.09	30.81	46.00	15.19	
527.974	18.79	4.03	4.02	26.84	46.00	19.16	
593.955	19.24	4.47	3.86	27.57	46.00	18.43	
791.953	22.31	5.29	3.40	31.00	46.00	15.00	

Remark : 1. All reading are Quasi-Peak values.  
 2. “\*” The worst emission was detected at 110.295MHz with corrected signal level of 39.40dB $\mu$ V/m (limit was 43.5dB $\mu$ V/m) when the antenna was at vertical polarization and was at 2m high and the turn table was at 300° .  
 3. 0° is the table front facing the antenna. Degree is calculated from 0° clockwise facing the antenna.

Date of Test : Apr. 15, 2002 Temperature : 27°C  
 EUT : 15" Flat Panel Color Monitor, D5063S Humidity : 50%  
 Test Mode 8 : 640\*480/60Hz, 31.5kHz (Input: DVI, Adapter: Delta(50W), Panel Angle:0°)

Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading Horizontal dB $\mu$ V	Meter Reading Horizontal dB $\mu$ V/m	Emission Level Limits dB $\mu$ V/m	Margin dB
65.000	11.85	1.21	13.00	26.06	40.00	13.94
75.875	13.16	1.28	16.83	31.27	40.00	8.73
130.000	20.25	1.66	7.84	29.75	43.50	13.75
162.500	20.62	1.89	11.15	33.66	43.50	9.84
194.977	21.96	2.19	6.88	31.03	43.50	12.47
227.471	23.24	2.40	6.22	31.86	46.00	14.14
259.973	24.06	2.58	7.36	34.00	46.00	12.00
352.798	15.08	3.03	8.59	26.70	46.00	19.30
403.198	16.36	3.33	9.96	29.65	46.00	16.35
503.997	18.26	3.86	17.84	39.96	46.00	6.04
554.396	18.76	4.22	13.08	36.06	46.00	9.94
604.796	19.48	4.70	11.10	35.28	46.00	10.72
755.995	22.14	5.19	5.51	32.84	46.00	13.16

Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading Vertical dB $\mu$ V	Meter Reading Vertical dB $\mu$ V/m	Emission Level Limits dB $\mu$ V/m	Margin dB
46.297	17.32	1.03	6.19	24.54	40.00	15.46
65.000	12.67	1.21	14.83	28.71	40.00	11.29
84.631	14.26	1.36	11.75	27.37	40.00	12.63
132.810	18.52	1.74	10.33	30.59	43.50	12.91
162.500	19.42	1.89	9.55	30.86	43.50	12.64
195.000	22.44	2.19	6.84	31.47	43.50	12.03
227.467	22.71	2.40	6.62	31.73	46.00	14.27
352.791	15.15	3.03	12.59	30.77	46.00	15.23
403.198	16.30	3.33	12.60	32.23	46.00	13.77
503.997	18.83	3.86	20.01	42.70	46.00	3.30
554.396	19.62	4.22	10.79	34.63	46.00	11.37
604.796	19.77	4.70	5.28	29.75	46.00	16.25
755.995	22.40	5.19	5.73	33.32	46.00	12.68

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

Date of Test : Apr. 15, 2002 Temperature : 27°C  
 EUT : 15" Flat Panel Color Monitor, D5063S Humidity : 50%  
 Test Mode 9 : 1024\*768/60Hz, 48kHz (Input: DVI, Adapter: Delta(50W), Panel Angle:0°)

Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading Horizontal dB $\mu$ V	Emission Level Horizontal dB $\mu$ V/m	Limits dB $\mu$ V/m	Margin dB
66.000	11.99	1.21	14.34	27.54	40.00	12.46
75.963	13.20	1.29	16.73	31.22	40.00	8.78
82.500	14.64	1.36	16.02	32.02	40.00	7.98
132.000	20.14	1.72	8.32	30.18	43.50	13.32
165.000	20.79	1.98	6.43	29.20	43.50	14.30
198.000	21.99	2.17	7.21	31.37	43.50	12.13
259.712	24.06	2.58	5.06	31.70	46.00	14.30
324.640	13.90	2.94	20.54	37.38	46.00	8.62
389.568	16.13	3.33	14.40	33.86	46.00	12.14
454.496	17.10	3.51	13.42	34.03	46.00	11.97
519.424	18.66	3.92	15.22	37.80	46.00	8.20
584.352	18.81	4.37	15.42	38.60	46.00	7.40
649.280	20.30	4.72	14.48	39.50	46.00	6.50
908.992	23.32	6.01	6.01	35.34	46.00	10.66

Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading Vertical dB $\mu$ V	Emission Level Vertical dB $\mu$ V/m	Limits dB $\mu$ V/m	Margin dB
45.553	17.56	1.00	8.76	27.32	40.00	12.68
66.000	12.22	1.21	14.19	27.62	40.00	12.38
82.500	14.05	1.36	12.30	27.71	40.00	12.29
132.000	18.43	1.72	9.99	30.14	43.50	13.36
165.000	19.59	1.98	6.22	27.79	43.50	15.71
198.000	22.92	2.17	8.09	33.18	43.50	10.32
259.712	24.06	2.58	7.57	34.21	46.00	11.79
324.640	14.65	2.94	23.44	41.03	46.00	4.97
389.568	15.80	3.33	17.09	36.22	46.00	9.78
454.496	17.03	3.51	12.96	33.50	46.00	12.50
519.424	19.03	3.92	16.77	39.72	46.00	6.28
584.352	19.48	4.37	14.98	38.83	46.00	7.17
649.280	19.88	4.72	12.42	37.02	46.00	8.98
908.992	23.55	6.01	7.17	36.73	46.00	9.27

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

Date of Test : Apr. 15, 2002 Temperature : 27°C  
 EUT : 15" Flat Panel Color Monitor, D5063S Humidity : 50%  
 Test Mode10 : 1024\*768/75Hz, 60kHz (Input: DVI, Adapter: Delta(50W), Panel Angle:0°)

Frequency MHz	Antenna Factor	Cable Loss	Meter Reading Horizontal dB $\mu$ V	Emission Level Horizontal dB $\mu$ V/m	Limits dB $\mu$ V/m	Margin dB
66.000	11.99	1.21	15.25	28.45	40.00	11.55
81.422	14.38	1.34	11.50	27.22	40.00	12.78
99.000	16.66	1.48	7.69	25.83	43.50	17.67
132.000	20.14	1.72	6.16	28.02	43.50	15.48
162.843	20.60	1.89	1.64	24.13	43.50	19.37
198.000	21.99	2.17	4.19	28.35	43.50	15.15
244.264	24.27	2.45	8.07	34.79	46.00	11.21
325.686	13.90	2.94	15.87	32.71	46.00	13.29
407.108	16.15	3.42	20.03	39.60	46.00	6.40
488.529	17.43	3.84	16.37	37.64	46.00	8.36
*	<b>569.950</b>	<b>19.18</b>	<b>4.28</b>	<b>17.11</b>	<b>40.57</b>	<b>46.00</b>
651.372	20.76	4.84	3.21	28.81	46.00	17.19
895.636	22.98	5.87	3.56	32.41	46.00	13.59

Remark : 1. All reading are Quasi-Peak values.  
 2. “\*” The worst emission was detected at 569.950MHz with corrected signal level of 40.57dB $\mu$ V/m (limit was 46.0dB $\mu$ V/m) when the antenna was at horizontal polarization and was at 2.3m high and the turn table was at 210° .  
 3. 0° is the table front facing the antenna. Degree is calculated from 0° clockwise facing the antenna.

Date of Test : Apr. 15, 2002 Temperature : 27°C  
 EUT : 15" Flat Panel Color Monitor, D5063S Humidity : 50%  
 Test Mode10 : 1024\*768/75Hz, 60kHz (Input: DVI, Adapter: Delta(50W), Panel Angle:0°)

Frequency MHz	Antenna Factor	Cable Loss	Meter Reading Vertical dB $\mu$ V	Emission Level Vertical dB $\mu$ V/m	Limits dB $\mu$ V/m	Margin dB
66.004	12.22	1.21	11.74	25.17	40.00	14.83
81.422	13.90	1.34	8.20	23.44	40.00	16.56
132.004	18.43	1.72	6.45	26.60	43.50	16.90
164.997	19.59	1.98	4.11	25.68	43.50	17.82
198.018	22.92	2.17	3.00	28.09	43.50	15.41
244.264	24.32	2.45	12.65	39.42	46.00	6.58
297.017	25.33	2.78	1.35	29.46	46.00	16.54
325.686	14.56	2.94	20.55	38.05	46.00	7.95
*	<b>407.108</b>	<b>16.22</b>	<b>3.42</b>	<b>23.33</b>	<b>42.97</b>	<b>46.00</b>
488.544	17.83	3.84	20.30	41.97	46.00	4.03
569.950	20.16	4.28	16.36	40.80	46.00	5.20
732.791	21.25	5.15	2.37	28.77	46.00	17.23
895.634	23.81	5.87	1.86	31.54	46.00	14.46
977.055	24.83	6.50	3.31	34.64	54.00	19.36

- Remark : 1. All reading are Quasi-Peak values.  
 2. “\*” The worst emission was detected at 407.108MHz with corrected signal level of 42.97dB $\mu$ V/m (limit was 46.0dB $\mu$ V/m) when the antenna was at vertical polarization and was at 1.2m high and the turn table was at 165° .  
 3. 0° is the table front facing the antenna. Degree is calculated from 0° clockwise facing the antenna.

Date of Test : Apr. 15, 2002 Temperature : 27°C  
 EUT : 15" Flat Panel Color Monitor, D5063C Humidity : 50%  
 Test Model11 : 1024\*768/75Hz, 60kHz (Input: DVI, Adapter: LI SHIN(40W), Panel Angle:0°)

Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading Horizontal dB $\mu$ V	Emission Level Horizontal dB $\mu$ V/m	Limits dB $\mu$ V/m	Margin dB
66.000	11.99	1.21	16.67	29.87	40.00	10.13
82.500	14.64	1.36	11.35	27.35	40.00	12.65
109.513	17.77	1.58	12.24	31.59	43.50	11.91
132.000	20.14	1.72	12.24	34.10	43.50	9.40
165.000	20.79	1.98	10.60	33.37	43.50	10.13
198.000	21.99	2.17	8.31	32.47	43.50	11.03
230.975	23.27	2.38	12.99	38.64	46.00	7.36
*	<b>296.974</b>	<b>27.06</b>	<b>2.78</b>	<b>14.01</b>	<b>43.85</b>	<b>46.00</b>
	325.686	13.90	2.94	18.05	34.89	11.11
	407.108	16.15	3.42	18.26	37.83	8.17
	488.529	17.43	3.84	16.26	37.53	8.47
	569.951	19.18	4.28	19.79	43.25	2.75
	651.372	20.76	4.84	5.63	31.23	14.77
	814.215	21.86	5.38	11.28	38.52	7.48
	895.636	22.98	5.87	4.22	33.07	12.93

Remark : 1. All reading are Quasi-Peak values.  
 2. “\*” The worst emission was detected at 296.974MHz with corrected signal level of 43.85dB $\mu$ V/m (limit was 46.0dB $\mu$ V/m) when the antenna was at horizontal polarization and was at 2m high and the turn table was at 160° .  
 3. 0° is the table front facing the antenna. Degree is calculated from 0° clockwise facing the antenna.

Date of Test : Apr. 15, 2002 Temperature : 27°C  
 EUT : 15" Flat Panel Color Monitor, D5063C Humidity : 50%  
 Test Model11 : 1024\*768/75Hz, 60kHz (Input: DVI, Adapter: LI SHIN(40W), Panel Angle:0°)

Frequency MHz	Antenna Factor	Cable Loss	Meter Reading Vertical dB $\mu$ V	Emission Level Vertical dB $\mu$ V/m	Limits dB $\mu$ V/m	Margin dB
71.045	12.26	1.28	16.02	29.56	40.00	10.44
92.903	16.29	1.42	14.17	31.88	43.50	11.62
110.562	17.66	1.53	17.54	36.73	43.50	6.77
139.038	19.01	1.80	14.67	35.48	43.50	8.02
165.000	19.59	1.98	8.62	30.19	43.50	13.31
198.000	22.92	2.17	7.73	32.82	43.50	10.68
230.975	23.31	2.38	8.72	34.41	46.00	11.59
296.970	25.33	2.78	9.90	38.01	46.00	7.99
325.686	14.56	2.94	15.91	33.41	46.00	12.59
407.108	16.22	3.42	21.73	41.37	46.00	4.63
488.529	17.83	3.84	18.23	39.90	46.00	6.10
*	<b>569.951</b>	<b>20.16</b>	<b>4.28</b>	<b>17.50</b>	<b>41.94</b>	<b>46.00</b>
651.372	20.32	4.84	4.48	29.64	46.00	16.36
814.215	21.66	5.38	13.13	40.17	46.00	5.83

- Remark :
1. All reading are Quasi-Peak values.
  2. “\*” The worst emission was detected at 569.951MHz with corrected signal level of 41.94dB $\mu$ V/m (limit was 46.0dB $\mu$ V/m) when the antenna was at vertical polarization and was at 1.5m high and the turn table was at 80° .
  3. 0° is the table front facing the antenna. Degree is calculated from 0° clockwise facing the antenna.

#### 4. DEVIATION TO TEST SPECIFICATIONS

【NONE】