

TEST REPORT FOR CERTIFICATION  
Philips Electronics Industries (Taiwan) Ltd.  
Display Color Monitor

Model No.: (1)6735-K0N (2)6735-K0S (3)6735-20N (4)6735-20S  
(5)6735-60N (6)6735-70N (7)6735-60S

FCC ID. : A3KM107

Brand : IBM

Prepared for : Philips Electronics Industries (Taiwan) Ltd.  
5, Tze Chiang 1 Road, Chungli Industrial Park  
Chungli, Taoyuan, Taiwan, R.O.C.

Prepared By : Audix Corporation  
Technical Division EMC Department  
No. 53-11, Tin-Fu Tsun, Lin-Kou,  
Taipei Hsien, Taiwan, R.O.C.

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File Number : EM-G921138  
Report Number : TTEMC-F92219  
Date of Test : Nov. 03 ~ 10, 2003  
Date of Report : Nov. 17, 2003

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# TEST REPORT CERTIFICATION

#### Measurement Procedure Used:

FCC Part 15 Subpart B/Mar. 2003 and CISPR 22/1997  
ANSI C63.4-1992

The device described as above was tested by AUDIX CORPORATION to determine the maximum emission level emanating from the device. The measurement results are contained in this test report and AUDIX CORPORATION is assumed full responsibility for the accuracy and completeness of these measurements. The report shows that the EUT is technically compliance with the provisions of Sections 15.107(a) and 15.109(g) of Part 15 of the FCC Rules.

This report applies to above tested sample only and which shall not be reproduced in part without written approval of AUDIX CORPORATION.

Date of Test : Nov. 03 ~ 10, 2003

Prepared by : Cherry Wang Nov. 22, 2003  
(Cherry Wang/Assistant Manager)

Test Engineer : Allen Wang Nov. 24, 2003  
(Allen Wang/Deputy Manager)

Approve & Authorized Signer : Leon Liu Nov. 26 2003  
(Leon Liu/Manager)

## 1. GENERAL INFORMATION

### 1.1. Description of Device (EUT)

Description : Display Color Monitor  
 FCC ID : A3KM107  
 Model Number : (1)6735-K0N (2)6735-K0S (3)6735-20N  
 (4)6735-20S (5)6735-60N (6)6735-70N  
 (7)6735-60S  
 Above models have the same circuit, the  
 differences are in CRT Hemisphere, TCO, Front  
 Cabinet and Back Cover. The details of  
 information attached to Appendix I.  
 The model (5)6735-60N is representative selected  
 reported in this test report.

Brand : IBM  
 Applicant : Philips Electronics Industries (Taiwan) Ltd.  
 5, Tze Chiang 1 Road, Chungli Industrial Park  
 Chungli, Taoyuan, Taiwan, R.O.C.

Manufacturer #1 : Philips Electronics Industries (Taiwan) Ltd.  
 5, Tze Chiang 1 Road, Chungli Industrial Park  
 P.O. Box 123, Chungli, Taoyuan, Taiwan, R.O.C

Manufacturer #2 : Skyway (Dong Guan) Monitor Factory  
 Industrial Zone, Da Ling Shan Town, Dong Guan  
 City, Guang Dong, China

Manufacturer #3 : Philips Consumer Electronics Co., of Suzhou Ltd.  
 No. 161, Zhujiang Road, New District,  
 Suzhou 215011, PROC

Manufacturer #4 : Philips Monitors Manufacturing Hungary  
 Free Trade Zone Limited Liability Company  
 (PMM LLC) H-9700 Szombathely, Puskas  
 tivadar u. 10., HUNGARY

CRT : Mitsubishi, M/N M51LVT42X71A  
 S/N 3H700091 A

Scanning Frequency : Horizontal : 30kHz-130kHz  
 Vertical : 50Hz-160Hz

Data Cable (D-Sub)	:	Shielded, Detachable, 1.8m Bonded two ferrite cores
Data Cable (DVI-A) (D-SUB <=> DVI)	:	Shielded, Detachable, 1.8m Bonded two ferrite cores
Power Cord	:	Non-Shielded, Detachable, 1.8m (3 Pin)
Date of Receipt of Sample	:	Oct. 28, 2003
Date of Test	:	Nov. 03 ~ 10, 2003

## 1.2. Tested Supporting System Details

### 1.2.1. PERSONAL COMPUTER

Model Number	:	E6V
Serial Number	:	99A4004
FCC ID	:	By DoC
BSMI ID	:	R33026
VGA Card	:	On Board
Manufacturer	:	IBM China Company Limited.
Power Cord	:	Shielded, Detachable, 1.8m

### 1.2.2. KEYBOARD

Model Number	:	SK-8820
Serial Number	:	03923173
FCC ID	:	By DoC
BSMI ID	:	3912A521
Manufacturer	:	IBM
Data Cable	:	Non-Shielded, Undetachable, 2.0m

### 1.2.3. DOT MATRIX PRINTER

Model Number	:	KX-P2135
Serial Number	:	8DMCN02139
FCC ID	:	ACJ5Z6KX-P2135
BSMI ID	:	3872A371
Manufacturer	:	Matsushita (Brand: Panasonic)
Data Cable	:	Shielded, Detachable, 1.5m
Power Cord	:	Non-Shielded, Detachable, 1.8m

### 1.2.4. PS2 MOUSE

Model Number	:	MU29J
Serial Number	:	23-256768
FCC ID	:	By DoC
BSMI ID	:	3902A581
Manufacturer	:	IBM
Data Cable	:	Non-Shielded, Undetachable, 1.8m

## 1.2.5. USB MOUSE

Model Number	:	MINI 801 USB
Serial Number	:	CE2300500683
FCC ID	:	By DoC
BSMI ID	:	3892B623
Manufacturer	:	GENIUS (Brand: LEMEL)
Data Cable	:	Shielded, Undetachable, 1.0m

## 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	:	HA08717
Manufacturer	:	Panasonic
Data Cable	:	Non-Shielded, Detachable, 1.8m

## 1.2.8. EARPHONE

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

## 1.2.9. MODEM

Model Number	:	DM-1414
Serial Number	:	980034393
FCC ID	:	IFAXDM1414
Manufacturer	:	Aceex
Data Cable	:	Shielded, Detachable, 1.2m
Power Adapter	:	Amigo, Model AM-91000A Non-Shielded, Undetachable, 1.8m

### 1.3. Description of Test Facility

Name of Firm : **Audix Corporation**  
 Technical Division EMC Department  
 No. 53-11, Tin-Fu Tsun, Lin-Kou Hsiang,  
 Taipei Hsien 24443, Taiwan, R.O.C.

Test Facility & Location : **No. 4 Shielded Room & No. 3 Open Test Site**  
 No. 67-4, Tin-Fu Tsun, Lin-Kou Hsiang,  
 Taipei Hsien 24443, Taiwan, R.O.C.

Feb. 09, 2000 Re-file on  
 Federal Communication Commission  
 Registration Number: 90996

**Semi-Anechoic Chamber**  
 No. 53-11, Tin-Fu Tsun, Lin-Kou Hsiang,  
 Taipei Hsien 24443, Taiwan, R.O.C.

May 16, 2000 Re-file on  
 Federal Communication Commission  
 Registration Number: 90993

NVLAP Lab. Code : 200077-0  
 (NVLAP is a NATA accredited body under Mutual Recognition Agreement)

DAR-Registration No. : DAP-P-145/03-00

### 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
Radiation Test (Distance: 10m)	30MHz~300MHz	+4.5dB / -4.5dB
	300MHz~1000MHz	+3.88dB / -3.84dB

Remark : Uncertainty =  $ku_c(y)$

## 2. CONDUCTED EMISSION MEASUREMENT

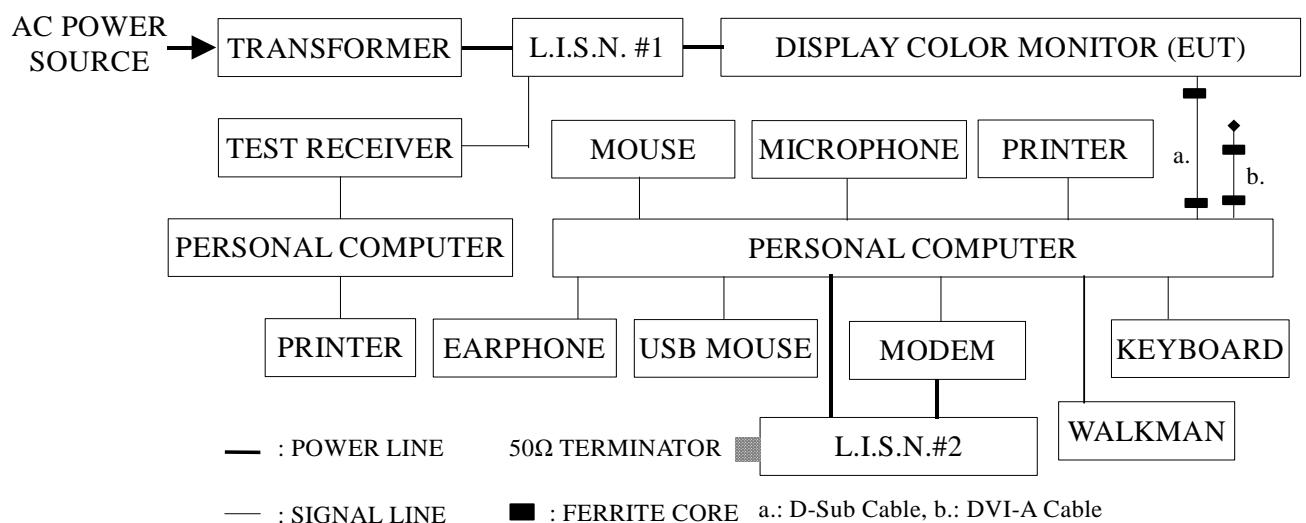
### 2.1. Test Equipment

The following test equipment was used during the conducted emission measurement :

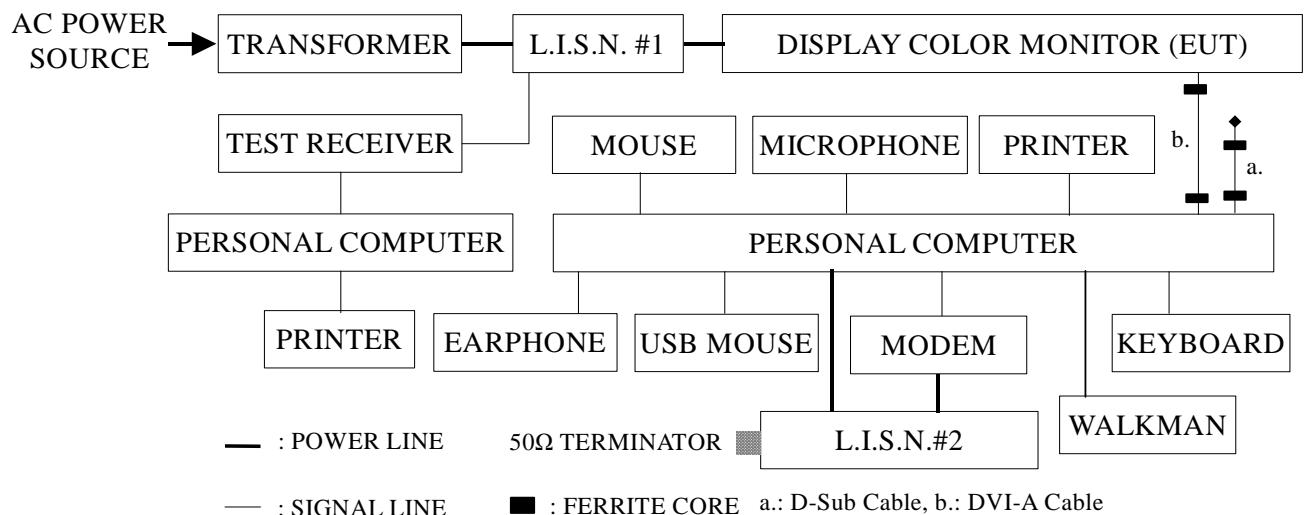
Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Personal Computer	TOKIN	586PC	N/A	N/A	N/A
2.	Test Receiver	R & S	ESHS10	844591/015	Mar. 05, 03'	Mar. 04, 04'
3.	L.I.S.N. #1	Kyoritsu	KNW-407	8-1430-5	Nov.18, 02'	Nov.17, 03'
4.	L.I.S.N. #2	Kyoritsu	KNW-407	8-1430-6	Nov.18, 02'	Nov.17, 03'
5.	Printer	HP	C6450A	TH96Q150GJ	N/A	N/A

### 2.2. Block Diagram of Test Setup

#### 2.2.1. Test Mode : Use D-SUB Cable



#### 2.2.2. Test Mode : Use D-SUB Cable



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

Frequency	Maximum RF Line Voltage	
	Quasi-Peak Level	Average Level
150kHz ~ 500kHz	66 ~ 56 dB $\mu$ V	56 ~ 46 dB $\mu$ V
500kHz ~ 5MHz	56 dB $\mu$ V	46 dB $\mu$ V
5MHz ~ 30MHz	60 dB $\mu$ V	50 dB $\mu$ V

Remark1.: If the average limit is met when using a Quasi-Peak detector, the EUT shall be deemed to meet both limits and measurement with the average detector is unnecessary.

2.: The lower limit applies at the band edges.

### 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. Display Color Monitor (EUT)

Model Number	:	6735-60N
Serial No.	:	TY0304559
Brand	:	IBM
FCC ID.	:	A3KM107
Manufacturer #1	:	Philips Electronics Industries (Taiwan) Ltd.
Manufacturer #2	:	Skyway (Dong Guan) Monitor Factory
Manufacturer #3	:	Philips Consumer Electronics Co., of Suzhou Ltd.
Manufacturer #4	:	Philips Monitors Manufacturing Hungary
CRT	:	Mitsubishi, M/N M51LVT42X71A S/N 3H700091 A
Scanning Frequency	:	Horizontal : 30kHz-130kHz Vertical : 50Hz-160Hz
Data Cable (D-Sub)	:	Shielded, Detachable, 1.8m Bonded two ferrite cores
Data Cable (DVI-A) (D-SUB $\leftrightarrow$ DVI)	:	Shielded, Detachable, 1.8m Bonded two ferrite cores
Power Cord	:	Non-Shielded, Detachable, 1.8m (3 Pin)
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 “TESTPA V1.8” 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 、DVI input.
- 2.5.5. Personal Computer played a music file and sent sound to EUT and earphone.
- 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 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 simulators of the interface cables should be manipulated according to FCC ANSI C63.4-1992 during conducted measurement.

The bandwidth of the R&S Test Receiver ESHS10 was set at 10kHz.

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

## 2.7. Test Results

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

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

The EUT with flowing testing modes and with AC 120V/60Hz supplying voltage were performed during conducted testing and all the test results are listed in next section.

EUT : Display Color Monitor Model No.: 6735-60N

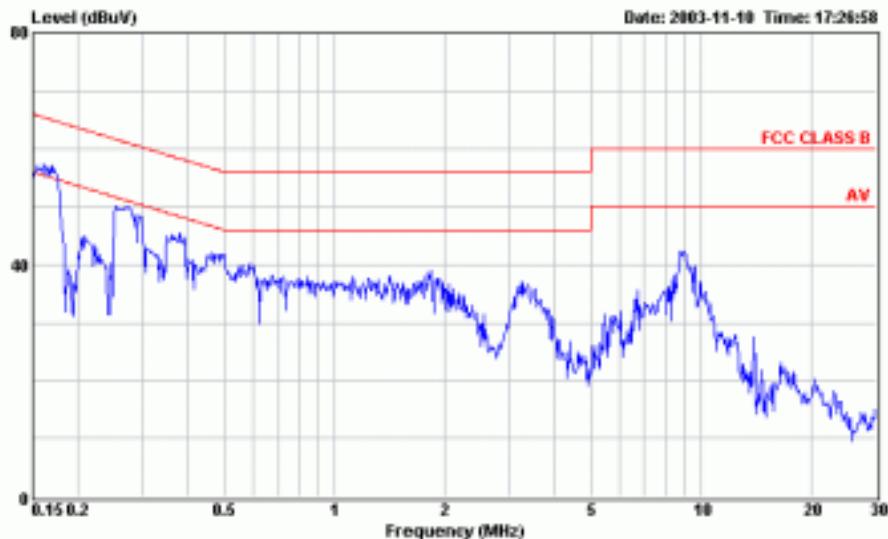
(Test Date: Nov. 10, 2003 Temperature: 26 °C Humidity: 68 %)

Mode.	Data Cable	Frequency Resolution	Reference Data #
1.	D-SUB	640*480/60Hz, 31kHz	#31 (#35, 36); #32 (#33, 34)
2.		1024*768/85Hz, 69kHz	#37 (#41, 42); #38 (#39, 40)
3.		1600*1200/85Hz, 107kHz	#43 (#47, 48); #44 (#45, 46)
4.		1920*1440/85Hz, 128.5kHz	#49 (#53 54); #50 (#51, 52)
5.		2048*1536/75Hz, 120kHz	#55 (#59, 60); #56 (#57, 58)
6.	DVI-A	640*480/60Hz, 31kHz	#25 (#29, 30); #26 (#27, 28)
7.		1024*768/85Hz, 69kHz	#19 (#23, 24); #20 (#21, 22)
8.		1600*1200/85Hz, 107kHz	#13 (#17, 18); #14 (#15, 16)
9.		1920*1440/85Hz, 128.5kHz	#7 (#11, 12); #8 (#9, 10)
10.		2048*1536/75Hz, 120kHz	#1 (#5 6); #2 (#3, 4)



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Data# 31 File#: D:\Philips-G921138-FCC-C.EMI



Site : No.4 Shielded room  
Condition : FCC CLASS B IONW-407(SR4-021125) NEUTRAL  
EUT : Display color Monitor H/N:6735-60N  
POWER : 120Vac / 60Hz  
MEMO : 640\*480/60Hz 31KHz(D-sub)  
: TEST No.EMI03T3-559 S/N:TY0304559  
: DV sample #1, HIT HB tube, IBM H-V1.8  
: W/ACER AS6400 PC ATI Radeon VE Card  
: W/IBM 8186-E6V PC, VGA on board  
Environment : 26°C/68°

Data# 35 File#: D:\Philips-G921138-FCC-C.EMI Date: 2003-11-10 Time: 17:31:03

Site : No.4 Shielded room  
Condition : FCC CLASS B IONW-407(SR4-021125) NEUTRAL  
EUT : Display color Monitor H/N:6735-60N  
POWER : 120Vac / 60Hz  
MEMO : 640\*480/60Hz 31KHz(D-sub)  
: TEST No.EMI03T3-559 S/N:TY0304559  
: DV sample #1, HIT HB tube, IBM H-V1.8  
: W/ACER AS6400 PC ATI Radeon VE Card  
: W/IBM 8186-E6V PC, VGA on board  
Environment : 26°C/68°

Freq	Level	Limit	Over Limit		Read Line	Probe Factor	Cable Loss	Remark
			dBuV	dB				
MHz								
1	0.159	55.05	-10.49	65.54	54.74	0.28	0.03	QP
2	0.214	41.15	-21.91	63.06	40.91	0.19	0.05	QP
3	0.315	38.73	-21.11	59.84	38.55	0.13	0.05	QP
4	1.870	34.00	-22.00	56.00	33.83	0.10	0.07	QP
5	3.416	32.78	-23.22	56.00	32.58	0.10	0.10	QP
6	8.913	39.43	-20.57	60.00	39.24	0.10	0.09	QP

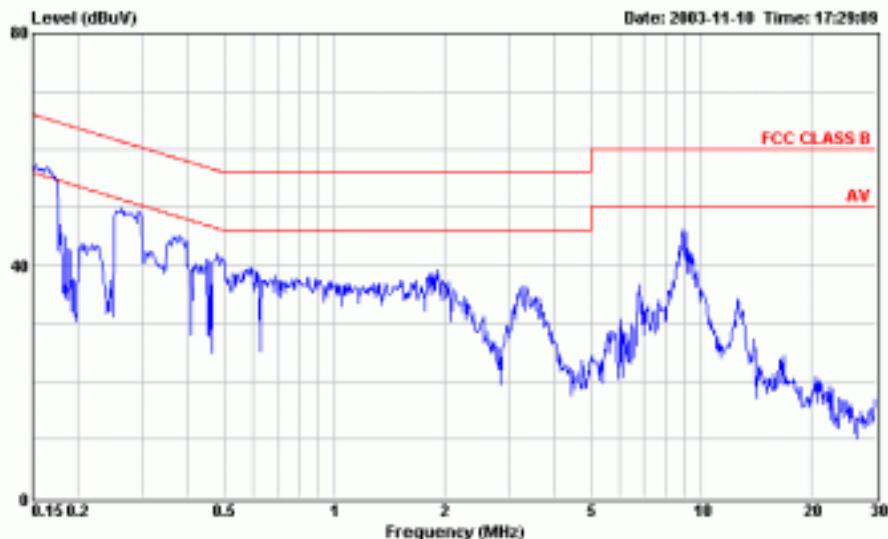
Data# 36 File#: D:\Philips-G921138-FCC-C.EMI

Freq	Level	Limit	Over Limit		Read Line	Probe Factor	Cable Loss	Remark
			dBuV	dB				
MHz								
1	0.159	44.66	-10.88	55.54	44.35	0.28	0.03	Average
2	0.214	29.49	-23.57	53.06	29.25	0.19	0.05	Average
3	0.315	27.61	-22.23	49.84	27.43	0.13	0.05	Average
4	1.870	22.49	-23.51	46.00	22.32	0.10	0.07	Average
5	3.416	22.10	-23.90	46.00	21.90	0.10	0.10	Average
6	8.913	28.72	-21.28	50.00	28.53	0.10	0.09	Average



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Data# 32 File# D:\Philips-G921138-FCC-C.EMI



Site : No.4 Shielded room  
Condition : FCC CLASS B IONW-407(SR4-021125) LINE  
EUT : Display color Monitor M/N:6735-60N  
POWER : 120Vac / 60Hz  
MEMO : 640\*480/60Hz 31KHz(D-sub)  
: TEST No.EMI03T3-559 S/N:TY0304559  
: DV sample #1, HIT HB tube, IBM H-V1.8  
: W/ACER AS6400 PC ATI Radeon VE Card  
: W/IBM B186-E6V PC, VGA on board  
Environment : 26°C/68%

Data# 33 File# D:\Philips-G921138-FCC-C.EMI Date: 2003-11-10 Time: 17:29:56

Site : No.4 Shielded room  
Condition : FCC CLASS B IONW-407(SR4-021125) LINE  
EUT : Display color Monitor M/N:6735-60N  
POWER : 120Vac / 60Hz  
MEMO : 640\*480/60Hz 31KHz(D-sub)  
: TEST No.EMI03T3-559 S/N:TY0304559  
: DV sample #1, HIT HB tube, IBM H-V1.8  
: W/ACER AS6400 PC ATI Radeon VE Card  
: W/IBM B186-E6V PC, VGA on board  
Environment : 26°C/68%

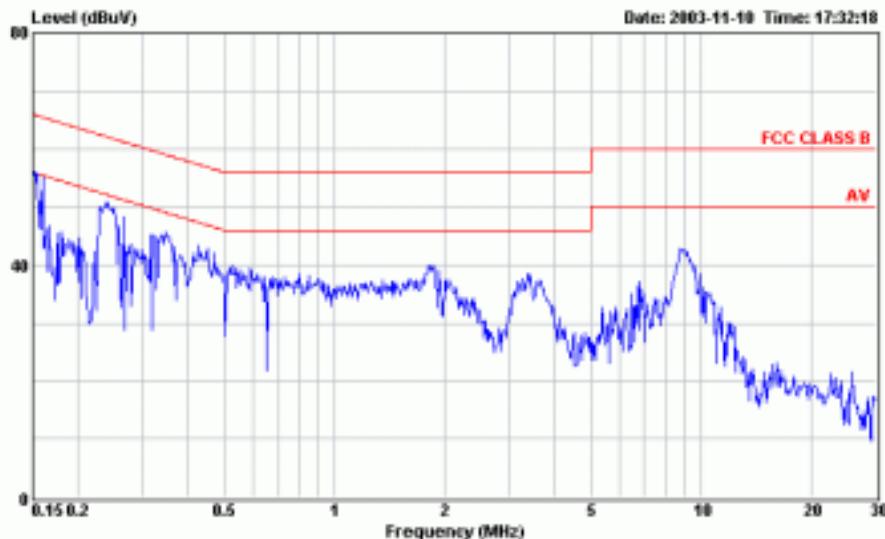
Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	
						dB	dB
MHz	dBuV	dB	dBuV	dBuV	dB	dB	dB
1	0.155	55.21	-10.50	65.71	54.89	0.29	0.03 QP
2	0.200	41.32	-22.29	63.61	41.07	0.20	0.05 QP
3	0.321	39.63	-20.04	59.67	39.45	0.13	0.05 QP
4	1.885	33.55	-22.45	56.00	33.37	0.10	0.08 QP
5	3.427	31.47	-24.53	56.00	31.27	0.10	0.10 QP
6	8.926	40.80	-19.20	60.00	40.61	0.10	0.09 QP

Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	
						dB	dB
MHz	dBuV	dB	dBuV	dBuV	dB	dB	dB
1	0.155	44.33	-11.38	55.71	44.01	0.29	0.03 Average
2	0.200	24.92	-28.69	53.61	24.67	0.20	0.05 Average
3	0.321	25.58	-24.09	49.67	25.40	0.13	0.05 Average
4	1.885	20.75	-25.25	46.00	20.57	0.10	0.08 Average
5	3.427	22.11	-23.89	46.00	21.91	0.10	0.10 Average
6	8.926	29.80	-20.20	50.00	29.61	0.10	0.09 Average



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Web:www.ttenc.com.tw

Data# 37 File#: D:\Philips-G921138-FCC-C.EMI



Site : No.4 Shielded room  
Condition : FCC CLASS B IONW-407(SR4-021125) NEUTRAL  
EUT : Display color Monitor H/N:6735-60N  
POWER : 120Vac / 60Hz  
MEMO : 1024\*768/85Hz 69KHz(D-sub)  
: TEST No.EMI03T3-559 S/N:TY0304559  
: DV sample #1, MIT HB tube, IBM H-V1.8  
: W/ACER AS6400 PC ATI Radeon VE Card  
: W/IBM 8186-E6V PC, VGA on board  
Environment : 26°C / 68%

Data# 41 File#: D:\Philips-G921138-FCC-C.EMI Date: 2003-11-10 Time: 17:35:36

Site : No.4 Shielded room  
Condition : FCC CLASS B IONW-407(SR4-021125) NEUTRAL  
EUT : Display color Monitor H/N:6735-60N  
POWER : 120Vac / 60Hz  
MEMO : 1024\*768/85Hz 69KHz(D-sub)  
: TEST No.EMI03T3-559 S/N:TY0304559  
: DV sample #1, MIT HB tube, IBM H-V1.8  
: W/ACER AS6400 PC ATI Radeon VE Card  
: W/IBM 8186-E6V PC, VGA on board  
Environment : 26°C / 68%

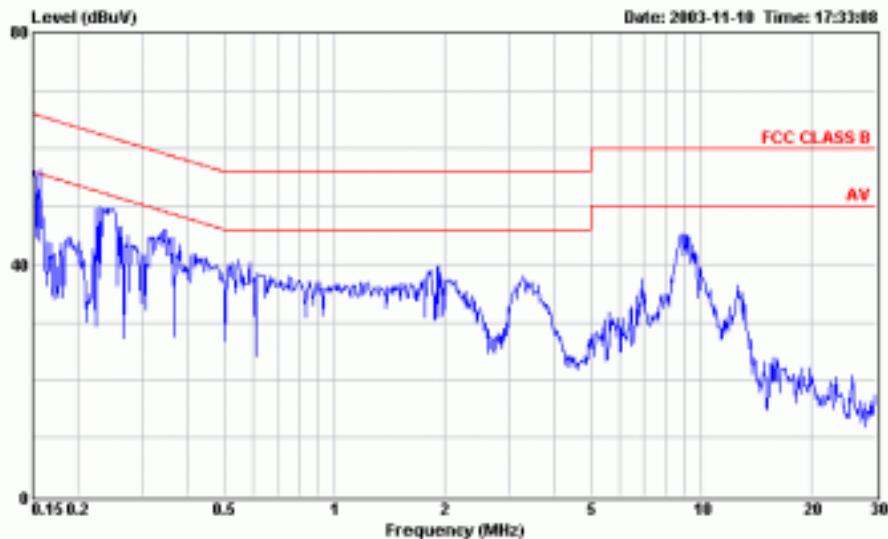
Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	
						dB	dB
MHz	dBuV	dB	dBuV	dBuV	dB		
1	0.152	54.81	-11.10	65.91	54.48	0.30	0.03 QP
2	0.247	48.34	-13.52	61.86	48.12	0.17	0.05 QP
3	0.339	43.22	-16.01	59.23	43.06	0.12	0.04 QP
4	1.912	35.40	-20.60	56.00	35.22	0.10	0.08 QP
5	3.430	34.40	-21.60	56.00	34.20	0.10	0.10 QP
6	8.913	40.28	-19.72	60.00	40.09	0.10	0.09 QP

Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	
						dB	dB
MHz	dBuV	dB	dBuV	dBuV	dB		
1	0.152	38.60	-17.31	55.91	38.27	0.30	0.03 Average
2	0.247	32.34	-19.52	51.86	32.12	0.17	0.05 Average
3	0.339	29.13	-20.10	49.23	28.97	0.12	0.04 Average
4	1.912	19.61	-26.39	46.00	19.43	0.10	0.08 Average
5	3.430	22.67	-23.33	46.00	22.47	0.10	0.10 Average
6	8.913	29.35	-20.65	50.00	29.16	0.10	0.09 Average



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Data# 38 File#: D:\Philips-G921138-FCC-C.EMI



Site : No.4 Shielded room  
Condition : FCC CLASS B IECN-407(3R4-021125) LINE  
EUT : Display color Monitor M/N:6735-60N  
POWER : 120Vac / 60Hz  
MEMO : 1024\*768/85Hz 69KHz(D-sub)  
: TEST No.EMI03T3-559 S/N:TY0304559  
: DV sample #1, HIT HB tube, IBM H-V1.8  
: W/ACER AS6400 PC ATI Radeon VE Card  
: W/IBM B186-E6V PC, VGA on board  
Environment : 26°C / 68%

Data# 39 File#: D:\Philips-G921138-FCC-C.EMI Date: 2003-11-10 Time: 17:34:05

Site : No.4 Shielded room  
Condition : FCC CLASS B IECN-407(3R4-021125) LINE  
EUT : Display color Monitor M/N:6735-60N  
POWER : 120Vac / 60Hz  
MEMO : 1024\*768/85Hz 69KHz(D-sub)  
: TEST No.EMI03T3-559 S/N:TY0304559  
: DV sample #1, HIT HB tube, IBM H-V1.8  
: W/ACER AS6400 PC ATI Radeon VE Card  
: W/IBM B186-E6V PC, VGA on board  
Environment : 26°C / 68%

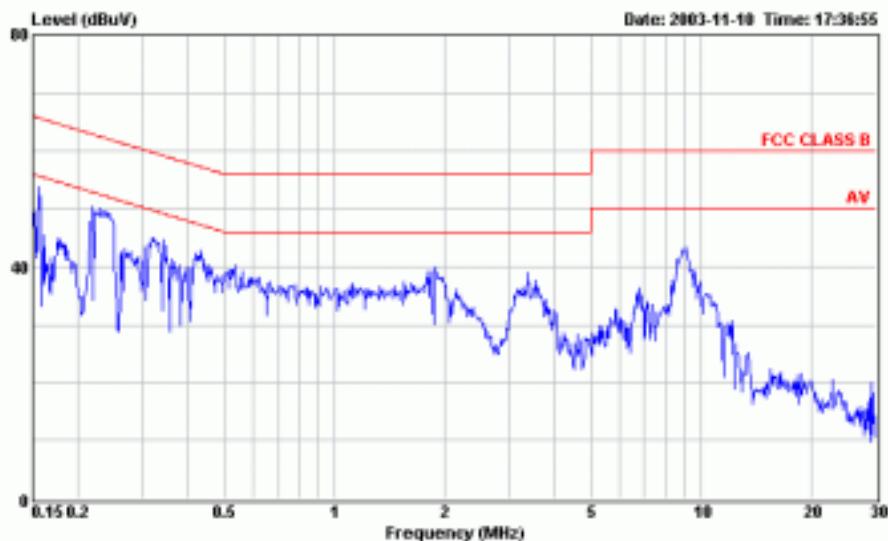
Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	
						dB	dB
MHz	dBuV	dB	dBuV	dBuV	dB		
1	0.151	55.08	-10.87	65.95	54.75	0.30	0.03 QP
2	0.232	48.27	-14.11	62.38	48.04	0.18	0.05 QP
3	0.325	43.04	-16.53	59.57	42.87	0.13	0.04 QP
4	1.888	35.70	-20.30	56.00	35.52	0.10	0.08 QP
5	3.445	33.81	-22.19	56.00	33.61	0.10	0.10 QP
6	8.890	41.46	-18.54	60.00	41.27	0.10	0.09 QP

Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	
						dB	dB
MHz	dBuV	dB	dBuV	dBuV	dB		
1	0.151	40.24	-15.71	55.95	39.91	0.30	0.03 Average
2	0.232	35.46	-16.92	52.38	35.23	0.18	0.05 Average
3	0.325	27.16	-22.41	49.57	26.99	0.13	0.04 Average
4	1.888	19.49	-26.51	46.00	19.31	0.10	0.08 Average
5	3.445	20.90	-25.10	46.00	20.70	0.10	0.10 Average
6	8.890	30.79	-19.21	50.00	30.60	0.10	0.09 Average



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Data# 43 File# D:\Philips-G921138-FCC-C.EMI



Site : No.4 Shielded room  
Condition : FCC CLASS B IONW-407(SR4-021125) NEUTRAL  
EUT : Display color Monitor M/N:6735-60N  
POWER : 120Vac / 60Hz  
MEMO : 1600\*1200/85Hz 107KHz(D-sub)  
: TEST No.EMI03T3-559 S/N:TY03D4559  
: DV sample #1, HIT HB tube, IBM H-V1.8  
: W/ACER AS6400 PC ATI Radeon VE Card  
: W/IBM 8186-E6V PC, VGA on board  
Environment : 26°C / 68%

Data# 47 File# D:\Philips-G921138-FCC-C.EMI Date: 2003-11-10 Time: 17:39:45

Site : No.4 Shielded room  
Condition : FCC CLASS B IONW-407(SR4-021125) NEUTRAL  
EUT : Display color Monitor M/N:6735-60N  
POWER : 120Vac / 60Hz  
MEMO : 1600\*1200/85Hz 107KHz(D-sub)  
: TEST No.EMI03T3-559 S/N:TY03D4559  
: DV sample #1, HIT HB tube, IBM H-V1.8  
: W/ACER AS6400 PC ATI Radeon VE Card  
: W/IBM 8186-E6V PC, VGA on board  
Environment : 26°C / 68%

Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss		Remark
						dB	dB	
MHz	dBuV		dB	dBuV	dB	dB	dB	
1	0.151	52.17	-13.79	65.96	51.84	0.30	0.03	QP
2	0.234	48.31	-13.99	62.30	48.08	0.18	0.05	QP
3	0.329	43.26	-16.21	59.47	43.09	0.13	0.04	QP
4	0.517	37.01	-18.99	56.00	36.87	0.10	0.04	QP
5	3.440	34.05	-21.95	56.00	33.85	0.10	0.10	QP
6	8.957	39.27	-20.73	60.00	39.08	0.10	0.09	QP

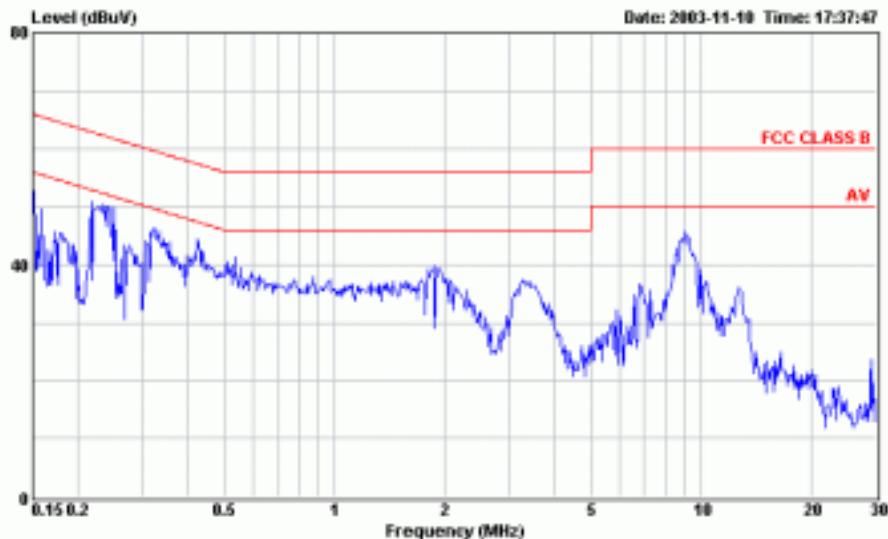
Data# 48 File# D:\Philips-G921138-FCC-C.EMI

Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss		Remark
						dB	dB	
MHz	dBuV		dB	dBuV	dB	dB	dB	
1	0.151	34.00	-21.96	55.96	33.67	0.30	0.03	Average
2	0.234	36.52	-15.78	52.30	36.29	0.18	0.05	Average
3	0.329	27.80	-21.67	49.47	27.63	0.13	0.04	Average
4	0.517	19.77	-26.23	46.00	19.63	0.10	0.04	Average
5	3.440	21.88	-24.12	46.00	21.68	0.10	0.10	Average
6	8.957	27.75	-22.25	50.00	27.56	0.10	0.09	Average



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Data# 44 File#: D:\Philips-G921138-FCC-C.EMI



Site : No.4 Shielded room  
Condition : FCC CLASS B IONW-407(SR4-021125) LINE  
EUT : Display color Monitor M/N:6735-60N  
POWER : 120Vac / 60Hz  
MEMO : 1600\*1200/85Hz 107KHz(D-sub)  
: TEST No.EMI03T3-559 S/N:TY0304559  
: DV sample #1, HIT HB tube, IBM H-V1.8  
: W/ACER AS6400 PC ATI Radeon VE Card  
: W/IBM 8186-E6V PC, VGA on board  
Environment : 26°C/68°

Data# 45 File#: D:\Philips-G921138-FCC-C.EMI Date: 2003-11-10 Time: 17:38:21

Site : No.4 Shielded room  
Condition : FCC CLASS B IONW-407(SR4-021125) LINE  
EUT : Display color Monitor M/N:6735-60N  
POWER : 120Vac / 60Hz  
MEMO : 1600\*1200/85Hz 107KHz(D-sub)  
: TEST No.EMI03T3-559 S/N:TY0304559  
: DV sample #1, HIT HB tube, IBM H-V1.8  
: W/ACER AS6400 PC ATI Radeon VE Card  
: W/IBM 8186-E6V PC, VGA on board  
Environment : 26°C/68°

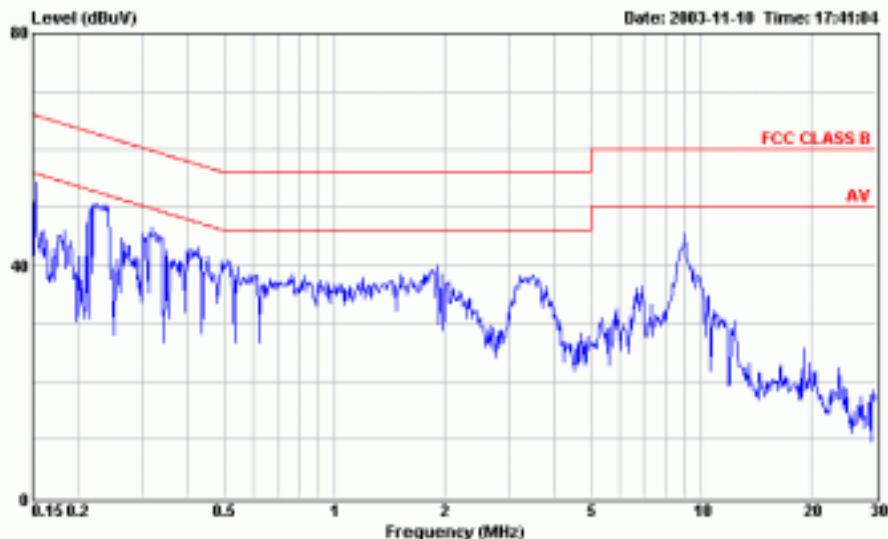
Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss		Remark
						MHz	dBuV	
1	0.152	50.71	-15.17	65.88	50.38	0.30	0.03	QP
2	0.240	48.61	-13.49	62.10	48.39	0.17	0.05	QP
3	0.333	43.48	-15.90	59.38	43.31	0.13	0.04	QP
4	1.928	36.25	-19.75	56.00	36.07	0.10	0.08	QP
5	3.454	33.89	-22.11	56.00	33.69	0.10	0.10	QP
6	8.942	41.88	-18.12	60.00	41.69	0.10	0.09	QP

Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss		Remark
						MHz	dBuV	
1	0.152	31.26	-24.62	55.88	30.93	0.30	0.03	Average
2	0.240	33.33	-18.77	52.10	33.11	0.17	0.05	Average
3	0.333	26.25	-23.13	49.38	26.08	0.13	0.04	Average
4	1.928	21.13	-24.87	46.00	20.95	0.10	0.08	Average
5	3.454	22.02	-23.98	46.00	21.82	0.10	0.10	Average
6	8.942	30.87	-19.13	50.00	30.68	0.10	0.09	Average



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Data# 49 File# D:\Philips-G921138-FCC-C.EMI



Site : No.4 Shielded room  
Condition : FCC CLASS B KNW-407(SR4-021125) NEUTRAL  
EUT : Display color Monitor M/N:6735-60N  
POWER : 120Vac / 60Hz  
MEMO : 1920\*1440/85Hz 128.5KHz(D-sub)  
: TEST No.EMI03T3-559 S/N:TY0304559  
: DV sample #1, HIT HB tube, IBM H-V1.8  
: W/ACER AS6400 PC ATI Radeon VE Card  
: W/IBM B186-E6V PC, VGA on board  
Environment : 26°C/68%

Data# 53 File# D:\Philips-G921138-FCC-C.EMI Date: 2003-11-10 Time: 17:43:33  
Site : No.4 Shielded room  
Condition : FCC CLASS B KNW-407(SR4-021125) NEUTRAL  
EUT : Display color Monitor M/N:6735-60N  
POWER : 120Vac / 60Hz  
MEMO : 1920\*1440/85Hz 128.5KHz(D-sub)  
: TEST No.EMI03T3-559 S/N:TY0304559  
: DV sample #1, HIT HB tube, IBM H-V1.8  
: W/ACER AS6400 PC ATI Radeon VE Card  
: W/IBM B186-E6V PC, VGA on board  
Environment : 26°C/68%

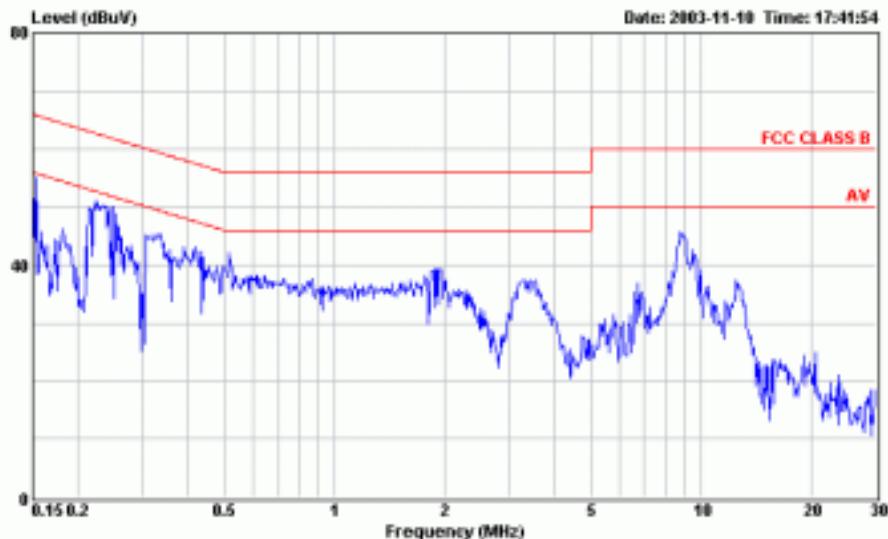
Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	
						dB	dB
MHz	dBuV		dB	dBuV	dBuV	dB	dB
1	0.150	50.87	-15.11	65.98	50.54	0.30	0.03 QP
2	0.232	48.64	-13.72	62.36	48.41	0.18	0.05 QP
3	0.330	43.50	-15.96	59.46	43.33	0.13	0.04 QP
4	1.956	34.90	-21.10	56.00	34.72	0.10	0.08 QP
5	3.463	34.07	-21.93	56.00	33.87	0.10	0.10 QP
6	8.980	40.06	-19.94	60.00	39.87	0.10	0.09 QP

Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	
						dB	dB
MHz	dBuV		dB	dBuV	dBuV	dB	dB
1	0.150	31.07	-24.91	55.98	30.74	0.30	0.03 Average
2	0.232	35.77	-16.59	52.36	35.54	0.18	0.05 Average
3	0.330	26.28	-23.18	49.46	26.11	0.13	0.04 Average
4	1.956	19.66	-26.34	46.00	19.48	0.10	0.08 Average
5	3.463	22.94	-23.06	46.00	22.74	0.10	0.10 Average
6	8.980	28.44	-21.56	50.00	28.25	0.10	0.09 Average



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Data# 50 File#: D:\Philips-G921138-FCC-C.EMI



Site : No.4 Shielded room  
Condition : FCC CLASS B IONW-407(SR4-021125) LINE  
EUT : Display color Monitor H/N:6735-60N  
POWER : 120Vac / 60Hz  
MEMO : 1920\*1440/85Hz 128.5KHz[D-sub]  
: TEST No.EMI03T3-559 S/N:TY03D4559  
: DV sample #1, HIT HB tube, IBM H-V1.8  
: W/ACER AS6400 PC ATI Radeon VE Card  
: W/IBM 8186-E6V PC, VGA on board  
Environment : 26°C/68°

Data# 51 File#: D:\Philips-G921138-FCC-C.EMI Date: 2003-11-10 Time: 17:42:24

Site : No.4 Shielded room  
Condition : FCC CLASS B IONW-407(SR4-021125) LINE  
EUT : Display color Monitor H/N:6735-60N  
POWER : 120Vac / 60Hz  
MEMO : 1920\*1440/85Hz 128.5KHz[D-sub]  
: TEST No.EMI03T3-559 S/N:TY03D4559  
: DV sample #1, HIT HB tube, IBM H-V1.8  
: W/ACER AS6400 PC ATI Radeon VE Card  
: W/IBM 8186-E6V PC, VGA on board  
Environment : 26°C/68°

Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable	
						dB	dB
MHz	dBuV	dB	dBuV	dBuV	dB		
1	0.151	50.26	-15.68	65.94	49.93	0.30	0.03 QP
2	0.236	48.66	-13.59	62.25	48.43	0.18	0.05 QP
3	0.336	43.74	-15.56	59.30	43.57	0.13	0.04 QP
4	1.941	35.58	-20.42	56.00	35.40	0.10	0.08 QP
5	3.449	33.67	-22.33	56.00	33.47	0.10	0.10 QP
6	8.969	41.44	-18.56	60.00	41.25	0.10	0.09 QP

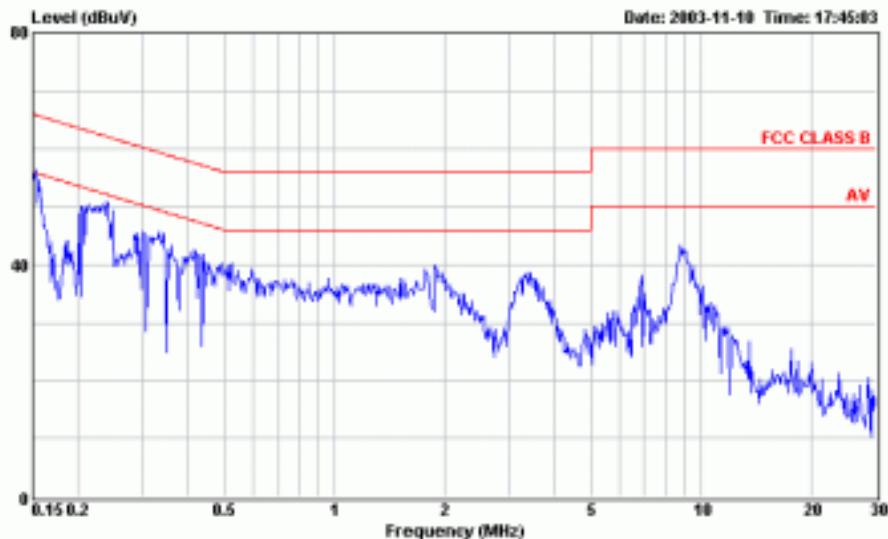
Data# 52 File#: D:\Philips-G921138-FCC-C.EMI

Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable	
						MHz	dBuV
MHz	dBuV	dB	dBuV	dBuV	dB		
1	0.151	31.08	-24.86	55.94	30.75	0.30	0.03 Average
2	0.236	34.01	-18.24	52.25	33.78	0.18	0.05 Average
3	0.336	23.49	-25.81	49.30	23.32	0.13	0.04 Average
4	1.941	20.06	-25.94	46.00	19.88	0.10	0.08 Average
5	3.449	21.88	-24.12	46.00	21.68	0.10	0.10 Average
6	8.969	30.58	-19.42	50.00	30.39	0.10	0.09 Average



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Data#: 55 File#: D:\Philips-G921138-FCC-C.EMI



Site : No.4 Shielded room  
Condition : FCC CLASS B IONW-407(SR4-021125) NEUTRAL  
EUT : Display color Monitor M/N:6735-60N  
POWER : 120Vac / 60Hz  
MEMO : 2048\*1536/75Hz 120KHz(D-sub)  
: TEST No.EMI03T3-559 S/N:TY03D4559  
: DV sample #1, HIT HB tube, IBM H-V1.8  
: W/ACER AS6400 PC ATI Radeon VE Card  
: W/IBM 8186-E6V PC, VGA on board  
Environment : 26°C/68°

Data#: 59 File#: D:\Philips-G921138-FCC-C.EMI Date: 2003-11-10 Time: 17:48:10

Site : No.4 Shielded room  
Condition : FCC CLASS B IONW-407(SR4-021125) NEUTRAL  
EUT : Display color Monitor M/N:6735-60N  
POWER : 120Vac / 60Hz  
MEMO : 2048\*1536/75Hz 120KHz(D-sub)  
: TEST No.EMI03T3-559 S/N:TY03D4559  
: DV sample #1, HIT HB tube, IBM H-V1.8  
: W/ACER AS6400 PC ATI Radeon VE Card  
: W/IBM 8186-E6V PC, VGA on board  
Environment : 26°C/68°

Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss		Remark
						dB	dB	
MHz	dBuV		dB	dBuV	dB	dB	dB	
1	0.151	49.89	-16.06	65.95	49.56	0.30	0.03	QP
2	0.233	49.15	-13.20	62.35	48.92	0.18	0.05	QP
3	0.330	44.15	-15.30	59.45	43.98	0.13	0.04	QP
4	1.949	35.81	-20.19	56.00	35.63	0.10	0.08	QP
5	3.438	35.06	-20.94	56.00	34.86	0.10	0.10	QP
6	8.944	40.99	-19.01	60.00	40.80	0.10	0.09	QP

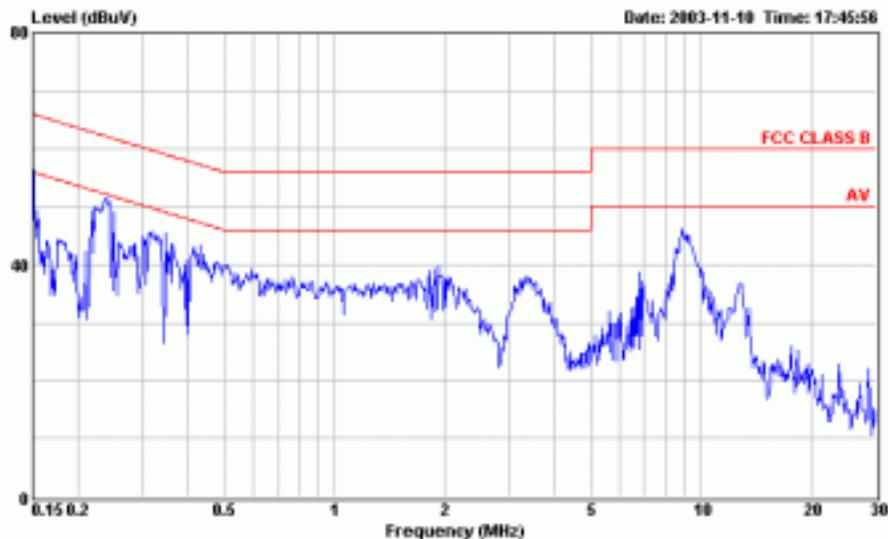
Data#: 60 File#: D:\Philips-G921138-FCC-C.EMI

Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss		Remark
						dB	dB	
MHz	dBuV		dB	dBuV	dB	dB	dB	
1	0.151	31.88	-24.06	55.94	31.55	0.30	0.03	Average
2	0.233	35.86	-16.49	52.35	35.63	0.18	0.05	Average
3	0.330	26.96	-22.49	49.45	26.79	0.13	0.04	Average
4	1.949	20.07	-25.93	46.00	19.89	0.10	0.08	Average
5	3.438	23.84	-22.16	46.00	23.64	0.10	0.10	Average
6	8.944	30.09	-19.91	50.00	29.90	0.10	0.09	Average



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Data#: 56 File#: D:\Philips-G921138-FCC-C.EMI



Site : No.4 Shielded room  
Condition : FCC CLASS B IONW-407(SR4-021125) LINE  
EUT : Display color Monitor M/N:6735-60W  
POWER : 120Vac / 60Hz  
MEMO : 2048\*1536/75Hz 120KHz(D-sub)  
: TEST No.EMI03T3-559 S/N:TY0304559  
: DV sample #1, HIT HB tube, IBM H-V1.8  
: W/ACER AS6400 PC ATI Radeon VE Card  
: W/IBM 8186-E6V PC, VGA on board  
Environment : 26°C / 68%

Data#: 57 File#: D:\Philips-G921138-FCC-C.EMI Date: 2003-11-10 Time: 17:46:50

Site : No.4 Shielded room  
Condition : FCC CLASS B IONW-407(SR4-021125) LINE  
EUT : Display color Monitor M/N:6735-60W  
POWER : 120Vac / 60Hz  
MEMO : 2048\*1536/75Hz 120KHz(D-sub)  
: TEST No.EMI03T3-559 S/N:TY0304559  
: DV sample #1, HIT HB tube, IBM H-V1.8  
: W/ACER AS6400 PC ATI Radeon VE Card  
: W/IBM 8186-E6V PC, VGA on board  
Environment : 26°C / 68%

Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss		Remark
						dB	dB	
MHz	dBuV		dB	dBuV	dB		dB	
1	0.150	50.74	-15.25	65.99	50.41	0.30	0.03	QP
2	0.227	49.12	-13.43	62.55	48.89	0.18	0.05	QP
3	0.336	43.64	-15.66	59.30	43.47	0.13	0.04	QP
4	1.973	35.59	-20.41	56.00	35.40	0.10	0.09	QP
5	3.479	33.62	-22.38	56.00	33.42	0.10	0.10	QP
6	9.002	42.26	-17.74	60.00	42.07	0.10	0.09	QP

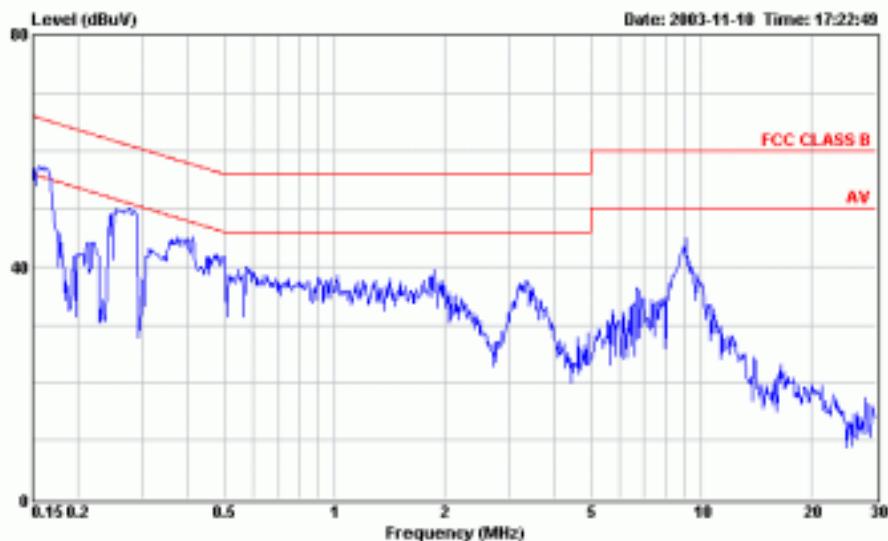
Data#: 58 File#: D:\Philips-G921138-FCC-C.EMI

Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss		Remark
						MHz	dBuV	
MHz	dBuV		dB	dBuV	dB		dB	
1	0.150	30.51	-25.48	55.99	30.18	0.30	0.03	Average
2	0.227	38.55	-14.00	52.55	38.32	0.18	0.05	Average
3	0.336	23.64	-25.66	49.30	23.47	0.13	0.04	Average
4	1.973	19.47	-26.53	46.00	19.28	0.10	0.09	Average
5	3.479	22.49	-23.51	46.00	22.29	0.10	0.10	Average
6	9.002	31.39	-18.61	50.00	31.20	0.10	0.09	Average



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Data# 25 File#: D:\Philips-G921138-FCC-C.EMI



Site : No.4 Shielded room  
Condition : FCC CLASS B IONW-407(SR4-021125) NEUTRAL  
EUT : Display color Monitor M/N:6735-60N  
POWER : 120Vac / 60Hz  
MEMO : 640\*480/60Hz 31KHz(DVI-A)  
: TEST No.EMI03T3-559 S/N:TY0304559  
: DV sample #1, HIT HB tube, IBM H-V1.8  
: W/ACER AS6400 PC ATI Radeon VE Card  
: W/IBM 8186-E6V PC, VGA on board  
Environment : 26°C / 68%

Data# 29 File#: D:\Philips-G921138-FCC-C.EMI Date: 2003-11-10 Time: 17:25:36

Site : No.4 Shielded room  
Condition : FCC CLASS B IONW-407(SR4-021125) NEUTRAL  
EUT : Display color Monitor M/N:6735-60N  
POWER : 120Vac / 60Hz  
MEMO : 640\*480/60Hz 31KHz(DVI-A)  
: TEST No.EMI03T3-559 S/N:TY0304559  
: DV sample #1, HIT HB tube, IBM H-V1.8  
: W/ACER AS6400 PC ATI Radeon VE Card  
: W/IBM 8186-E6V PC, VGA on board  
Environment : 26°C / 68%

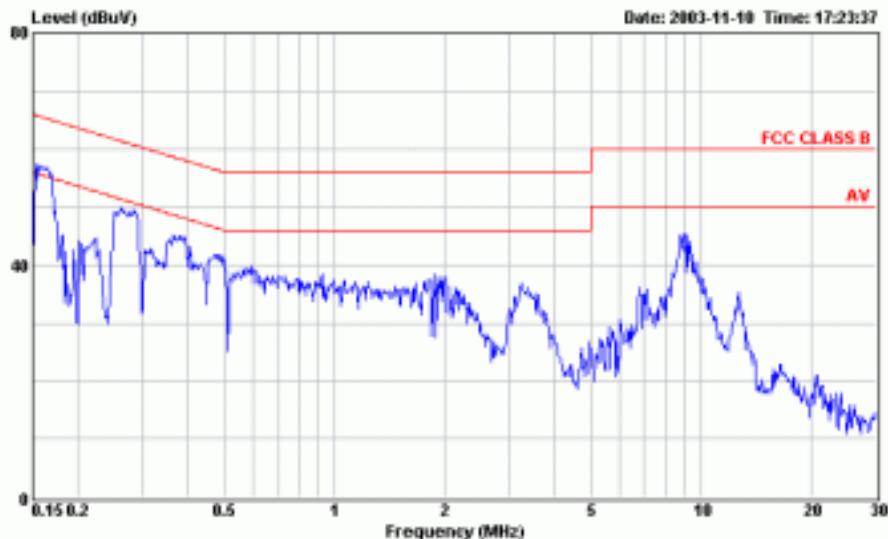
Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss		Remark
						dB	dB	
MHz	dBuV		dB	dBuV	dB	dB	dB	
1	0.154	55.23	-10.54	65.77	54.91	0.29	0.03	QP
2	0.210	41.01	-22.18	63.19	40.77	0.19	0.05	QP
3	0.328	37.91	-21.60	59.51	37.74	0.13	0.04	QP
4	1.900	33.59	-22.41	56.00	33.41	0.10	0.08	QP
5	3.438	31.41	-24.59	56.00	31.21	0.10	0.10	QP
6	8.936	41.44	-18.56	60.00	41.25	0.10	0.09	QP

Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss		Remark
						dB	dB	
MHz	dBuV		dB	dBuV	dB	dB	dB	
1	0.154	44.97	-10.80	55.77	44.65	0.29	0.03	Average
2	0.210	29.12	-24.07	53.19	28.88	0.19	0.05	Average
3	0.328	20.70	-28.81	49.51	20.53	0.13	0.04	Average
4	1.900	21.01	-24.99	46.00	20.83	0.10	0.08	Average
5	3.438	21.55	-24.45	46.00	21.35	0.10	0.10	Average
6	8.936	30.30	-19.70	50.00	30.11	0.10	0.09	Average



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Data# 26 File#: D:\Philips-G921138-FCC-C.EMI



Site : No.4 Shielded room  
Condition : FCC CLASS B IONW-407(SR4-021125) LINE  
EUT : Display color Monitor M/N:6735-60N  
POWER : 120Vac / 60Hz  
MEMO : 640\*480/60Hz 31KHz(DVI-A)  
: TEST No.EMI03T3-559 S/N:TY0304559  
: DV sample #1, HIT HB tube, IBM H-V1.8  
: W/ACER AS6400 PC ATI Radeon VE Card  
: W/IBM 8186-E6V PC, VGA on board  
Environment : 26°C/68°

Data# 27 File#: D:\Philips-G921138-FCC-C.EMI Date: 2003-11-10 Time: 17:24:15

Site : No.4 Shielded room  
Condition : FCC CLASS B IONW-407(SR4-021125) LINE  
EUT : Display color Monitor M/N:6735-60N  
POWER : 120Vac / 60Hz  
MEMO : 640\*480/60Hz 31KHz(DVI-A)  
: TEST No.EMI03T3-559 S/N:TY0304559  
: DV sample #1, HIT HB tube, IBM H-V1.8  
: W/ACER AS6400 PC ATI Radeon VE Card  
: W/IBM 8186-E6V PC, VGA on board  
Environment : 26°C/68°

Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable	
						dB	dB
MHz	dBuV	dB	dBuV	dBuV	dB	dB	dB
1	0.155	55.43	-10.29	65.72	55.11	0.29	0.03 QP
2	0.219	41.23	-21.61	62.84	40.99	0.19	0.05 QP
3	0.333	39.16	-20.21	59.37	38.99	0.13	0.04 QP
4	0.509	38.91	-17.09	56.00	38.77	0.10	0.04 QP
5	1.879	33.55	-22.45	56.00	33.37	0.10	0.08 QP
6	8.924	41.04	-18.96	60.00	40.85	0.10	0.09 QP

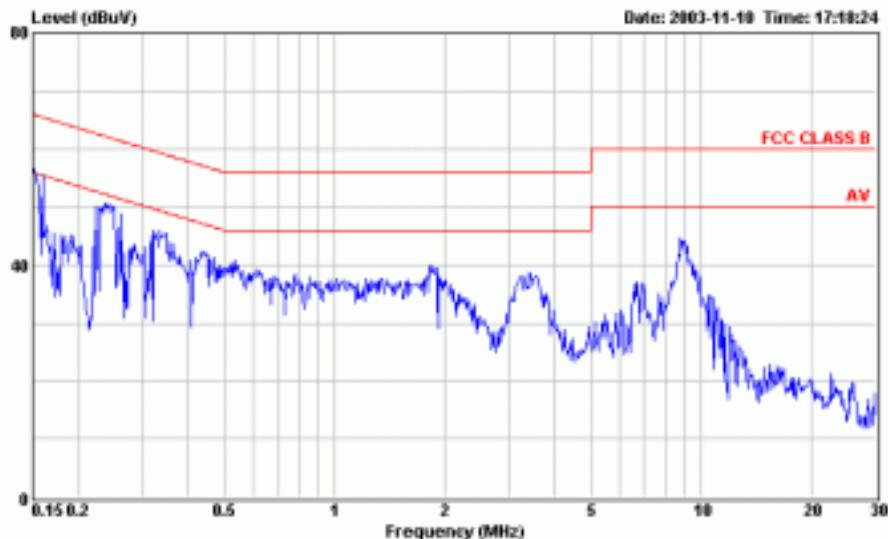
Data# 28 File#: D:\Philips-G921138-FCC-C.EMI

Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable	
						dB	dB
MHz	dBuV	dB	dBuV	dBuV	dB	dB	dB
1	0.155	44.84	-10.88	55.72	44.52	0.29	0.03 Average
2	0.219	28.58	-24.26	52.84	28.34	0.19	0.05 Average
3	0.333	23.18	-26.19	49.37	23.01	0.13	0.04 Average
4	0.509	24.10	-21.90	46.00	23.96	0.10	0.04 Average
5	1.879	21.07	-24.93	46.00	20.89	0.10	0.08 Average
6	8.924	30.49	-19.51	50.00	30.30	0.10	0.09 Average



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Data# 19 File#: D:\Philips-G921138-FCC-C.EMI



Site : No.4 Shielded room  
Condition : FCC CLASS B IONW-407(SR4-021125) NEUTRAL  
EUT : Display color Monitor H/N:6735-60N  
POWER : 120Vac / 60Hz  
MEMO : 1024\*768/85Hz 69KHz(DVI-A)  
: TEST No.EMI03T3-559 S/N:TY0304559  
: DV sample #1, HIT HB tube, IBM H-V1.8  
: W/ACER AS6400 PC ATI Radeon VE Card  
: W/IBM 8186-E6V PC, VGA on board  
Environment : 26°C/68°

Data# 23 File#: D:\Philips-G921138-FCC-C.EMI Date: 2003-11-10 Time: 17:21:01

Site : No.4 Shielded room  
Condition : FCC CLASS B IONW-407(SR4-021125) NEUTRAL  
EUT : Display color Monitor H/N:6735-60N  
POWER : 120Vac / 60Hz  
MEMO : 1024\*768/85Hz 69KHz(DVI-A)  
: TEST No.EMI03T3-559 S/N:TY0304559  
: DV sample #1, HIT HB tube, IBM H-V1.8  
: W/ACER AS6400 PC ATI Radeon VE Card  
: W/IBM 8186-E6V PC, VGA on board  
Environment : 26°C/68°

Freq	Level	Over Limit		Read Line		Probe Factor	Cable Loss	Remark
		MHz	dBuV	dB	dBuV			

1	0.151	55.36	-10.60	65.96	55.03	0.30	0.03	QP
2	0.228	48.72	-13.81	62.53	48.49	0.18	0.05	QP
3	0.339	43.66	-15.57	59.23	43.50	0.12	0.04	QP
4	0.515	37.80	-18.20	56.00	37.66	0.10	0.04	QP
5	1.897	35.98	-20.02	56.00	35.80	0.10	0.08	QP
6	8.906	40.48	-19.52	60.00	40.29	0.10	0.09	QP

Data# 24 File#: D:\Philips-G921138-FCC-C.EMI

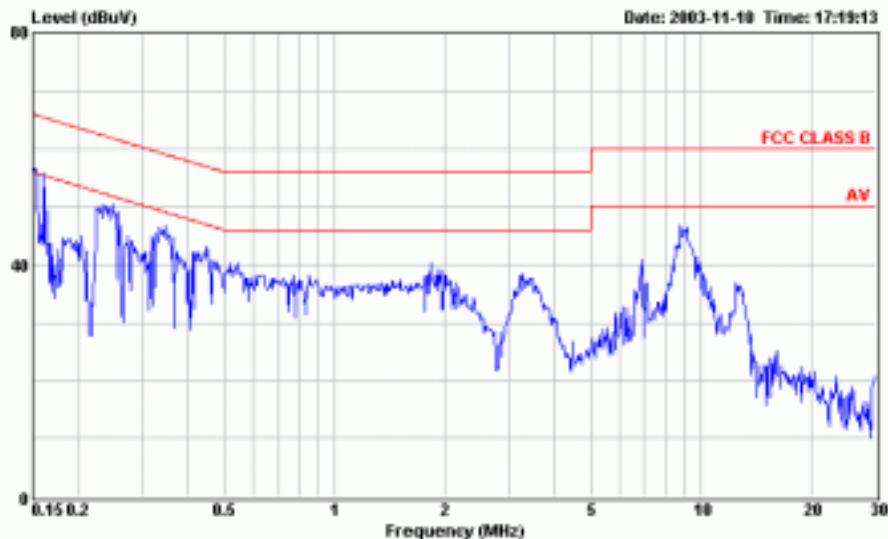
Freq	Level	Over Limit		Read Line		Probe Factor	Cable Loss	Remark
		MHz	dBuV	dB	dBuV			

1	0.151	40.24	-15.72	55.96	39.91	0.30	0.03	Average
2	0.228	33.35	-19.18	52.53	33.12	0.18	0.05	Average
3	0.339	29.80	-19.43	49.23	29.64	0.12	0.04	Average
4	0.515	21.47	-24.53	46.00	21.33	0.10	0.04	Average
5	1.897	20.01	-25.99	46.00	19.83	0.10	0.08	Average
6	8.906	29.69	-20.31	50.00	29.50	0.10	0.09	Average



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Web:www.ttenc.com.tw

Data# 20 File#: D:\Philips-G921138-FCC-C.EMI



Site : No.4 Shielded room  
Condition : FCC CLASS B IONW-407(SR4-021125) LINE  
EUT : Display color Monitor M/N:6735-60N  
POWER : 120Vac / 60Hz  
MEMO : 1024\*768/85Hz 69KHz(DVI-A)  
: TEST No.EMI03T3-559 S/N:TY0304559  
: DV sample #1, HIT HB tube, IBM H-V1.8  
: W/ACER AS6400 PC ATI Radeon VE Card  
: W/IBM 8186-E6V PC, VGA on board  
Environment : 26°C/68°

Data# 21 File#: D:\Philips-G921138-FCC-C.EMI Date: 2003-11-10 Time: 17:19:48

Site : No.4 Shielded room  
Condition : FCC CLASS B IONW-407(SR4-021125) LINE  
EUT : Display color Monitor M/N:6735-60N  
POWER : 120Vac / 60Hz  
MEMO : 1024\*768/85Hz 69KHz(DVI-A)  
: TEST No.EMI03T3-559 S/N:TY0304559  
: DV sample #1, HIT HB tube, IBM H-V1.8  
: W/ACER AS6400 PC ATI Radeon VE Card  
: W/IBM 8186-E6V PC, VGA on board  
Environment : 26°C/68°

Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss		Remark
						dBuV	dB	

1	0.153	54.07	-11.76	65.83	53.75	0.29	0.03	QP
2	0.231	48.42	-13.99	62.41	48.19	0.18	0.05	QP
3	0.346	43.68	-15.37	59.05	43.52	0.12	0.04	QP
4	1.884	36.33	-19.67	56.00	36.15	0.10	0.08	QP
5	3.426	33.95	-22.05	56.00	33.75	0.10	0.10	QP
6	8.924	42.22	-17.78	60.00	42.03	0.10	0.09	QP

Data# 22 File#: D:\Philips-G921138-FCC-C.EMI

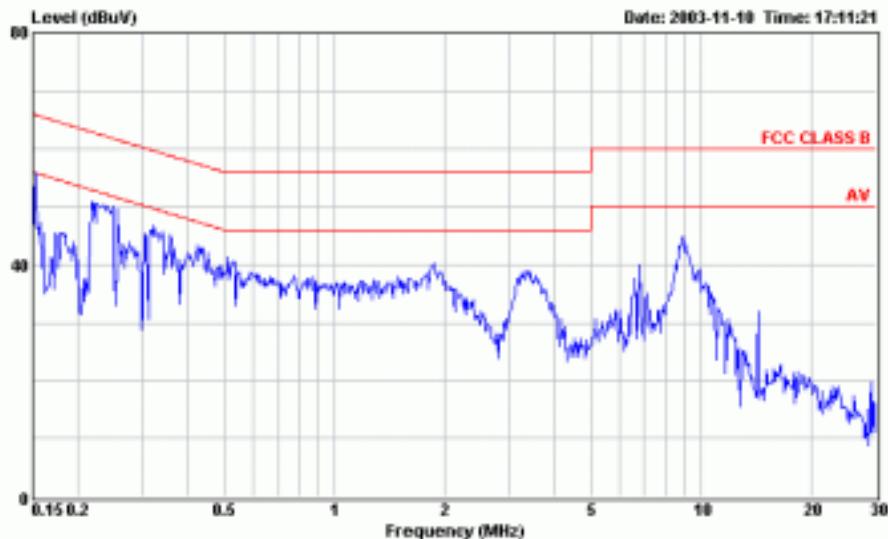
Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss		Remark
						dBuV	dB	

1	0.153	36.57	-19.26	55.83	36.25	0.29	0.03	Average
2	0.231	35.13	-17.28	52.41	34.90	0.18	0.05	Average
3	0.346	30.29	-18.76	49.05	30.13	0.12	0.04	Average
4	1.884	18.65	-27.35	46.00	18.47	0.10	0.08	Average
5	3.426	22.25	-23.75	46.00	22.05	0.10	0.10	Average
6	8.924	31.13	-18.87	50.00	30.94	0.10	0.09	Average



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Data# 13 File#: D:\Philips-G921138-FCC-C.EMI



Site : No.4 Shielded room  
Condition : FCC CLASS B IONW-407(SR4-021125) NEUTRAL  
EUT : Display color Monitor M/N:6735-60N  
POWER : 120Vac / 60Hz  
MEMO : 1600\*1200/85Hz 107KHz(DVI-A)  
: TEST No.EMI03T3-559 S/N:TY03D4559  
: DV sample #1, HIT HB tube, IBM H-V1.8  
: W/ACER AS6400 PC ATI Radeon VE Card  
: W/IBM 8186-E6V PC, VGA on board  
Environment : 26°C/68°

Data# 17 File#: D:\Philips-G921138-FCC-C.EMI Date: 2003-11-10 Time: 17:16:51

Site : No.4 Shielded room  
Condition : FCC CLASS B IONW-407(SR4-021125) NEUTRAL  
EUT : Display color Monitor M/N:6735-60N  
POWER : 120Vac / 60Hz  
MEMO : 1600\*1200/85Hz 107KHz(DVI-A)  
: TEST No.EMI03T3-559 S/N:TY03D4559  
: DV sample #1, HIT HB tube, IBM H-V1.8  
: W/ACER AS6400 PC ATI Radeon VE Card  
: W/IBM 8186-E6V PC, VGA on board  
Environment : 26°C/68°

Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss		Remark
						dB	dB	
MHz	dBuV		dB	dBuV	dB	dB	dB	
1	0.152	51.33	-14.56	65.89	51.00	0.30	0.03	QP
2	0.237	48.88	-13.32	62.20	48.65	0.18	0.05	QP
3	0.526	37.86	-18.14	56.00	37.72	0.10	0.04	QP
4	1.914	35.72	-20.28	56.00	35.54	0.10	0.08	QP
5	3.447	34.56	-21.44	56.00	34.36	0.10	0.10	QP
6	8.942	41.08	-18.92	60.00	40.89	0.10	0.09	QP

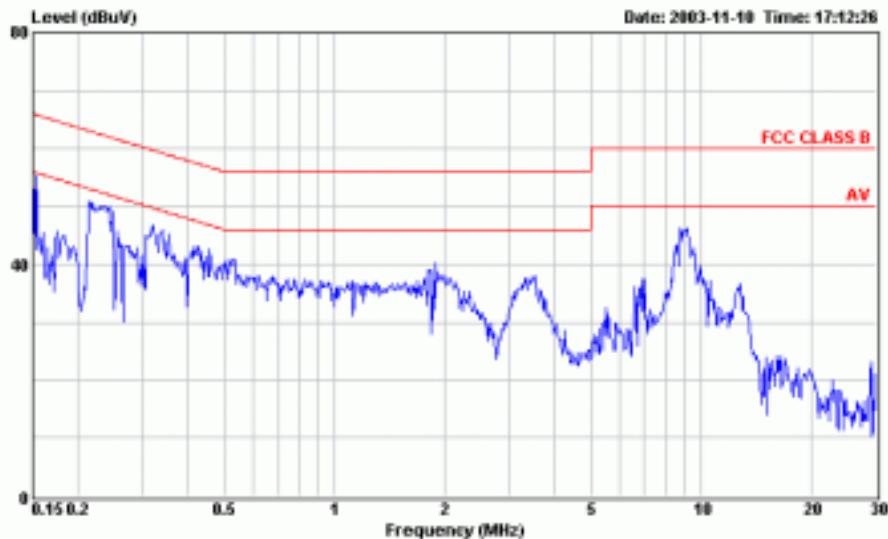
Data# 18 File#: D:\Philips-G921138-FCC-C.EMI

Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss		Remark
						dB	dB	
MHz	dBuV		dB	dBuV	dB	dB	dB	
1	0.152	31.29	-24.60	55.89	30.96	0.30	0.03	Average
2	0.237	34.86	-17.34	52.20	34.63	0.18	0.05	Average
3	0.526	22.69	-23.31	46.00	22.55	0.10	0.04	Average
4	1.914	20.27	-25.73	46.00	20.09	0.10	0.08	Average
5	3.447	22.67	-23.33	46.00	22.47	0.10	0.10	Average
6	8.942	30.20	-19.80	50.00	30.01	0.10	0.09	Average



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Data# 14 File#: D:\Philips-G921138-FCC-C.EMI



Site : No.4 Shielded room  
 Condition : FCC CLASS B IONW-407(SR4-021125) LINE  
 EUT : Display color Monitor M/N:6735-60N  
 POWER : 120Vac / 60Hz  
 MEMO : 1600\*1200/85Hz 107KHz(DVI-A)  
       : TEST No.EMI03T3-559 S/N:TY0304559  
       : DV sample #1, HIT HB tube, IBM H-V1.8  
       : W/ACER AS6400 PC ATI Radeon VE Card  
       : W/IBM B186-E6V PC, VGA on board  
 Environment : 26°C / 68%

Data# 15 File#: D:\Philips-G921138-FCC-C.EMI

Date: 2003-11-10 Time: 17:14:24

Site : No.4 Shielded room  
 Condition : FCC CLASS B IONW-407(SR4-021125) LINE  
 EUT : Display color Monitor M/N:6735-60N  
 POWER : 120Vac / 60Hz  
 MEMO : 1600\*1200/85Hz 107KHz(DVI-A)  
       : TEST No.EMI03T3-559 S/N:TY0304559  
       : DV sample #1, HIT HB tube, IBM H-V1.8  
       : W/ACER AS6400 PC ATI Radeon VE Card  
       : W/IBM B186-E6V PC, VGA on board  
 Environment : 26°C / 68%

Freq	Level	Limit	Over	Limit	Read	Probe	Cable
			Line	Level	Factor	Loss	Remark

	MHz	dBuV	dB	dBuV	dBuV	dB	dB
1	0.151	52.03	-13.91	65.94	51.70	0.30	0.03 QP
2	0.232	49.04	-13.33	62.37	48.81	0.18	0.05 QP
3	0.339	44.06	-15.18	59.24	43.90	0.12	0.04 QP
4	1.946	35.56	-20.44	56.00	35.38	0.10	0.08 QP
5	3.456	33.97	-22.03	56.00	33.77	0.10	0.10 QP
6	8.968	42.30	-17.70	60.00	42.11	0.10	0.09 QP

Data# 16 File#: D:\Philips-G921138-FCC-C.EMI

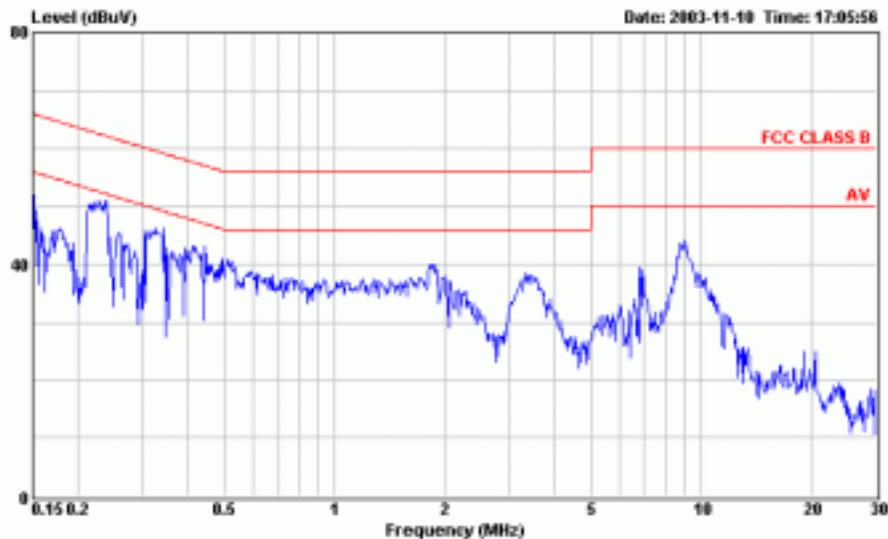
Freq	Level	Limit	Over	Limit	Read	Probe	Cable
			Line	Level	Factor	Loss	Remark

	MHz	dBuV	dB	dBuV	dBuV	dB	dB
1	0.151	32.70	-23.24	55.94	32.37	0.30	0.03 Average
2	0.232	37.94	-14.43	52.37	37.71	0.18	0.05 Average
3	0.339	24.81	-24.43	49.24	24.65	0.12	0.04 Average
4	1.946	20.13	-25.87	46.00	19.95	0.10	0.08 Average
5	3.456	22.59	-23.41	46.00	22.39	0.10	0.10 Average
6	8.968	31.42	-18.58	50.00	31.23	0.10	0.09 Average



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Data# 7 File#: D:\Philips-G921138-FCC-C.EMI



Site : No.4 Shielded room  
Condition : FCC CLASS B IONW-407(SR4-021125) NEUTRAL  
EUT : Display color Monitor M/N:6735-60N  
POWER : 120Vac / 60Hz  
MEMO : 1920\*1440/85Hz 128.5KHz(DVI-A)  
: TEST No.EMI03T3-559 S/N:TY0304559  
: DV sample #1, HIT HB tube, IBM H-V1.8  
: W/ACER AS6400 PC ATI Radeon VE Card  
: W/IBM B186-E6V PC, VGA on board  
Environment : 26°C / 68%

Data# 11 File#: D:\Philips-G921138-FCC-C.EMI Date: 2003-11-10 Time: 17:10:07  
Site : No.4 Shielded room  
Condition : FCC CLASS B IONW-407(SR4-021125) NEUTRAL  
EUT : Display color Monitor M/N:6735-60N  
POWER : 120Vac / 60Hz  
MEMO : 1920\*1440/85Hz 128.5KHz(DVI-A)  
: TEST No.EMI03T3-559 S/N:TY0304559  
: DV sample #1, HIT HB tube, IBM H-V1.8  
: W/ACER AS6400 PC ATI Radeon VE Card  
: W/IBM B186-E6V PC, VGA on board  
Environment : 26°C / 68%

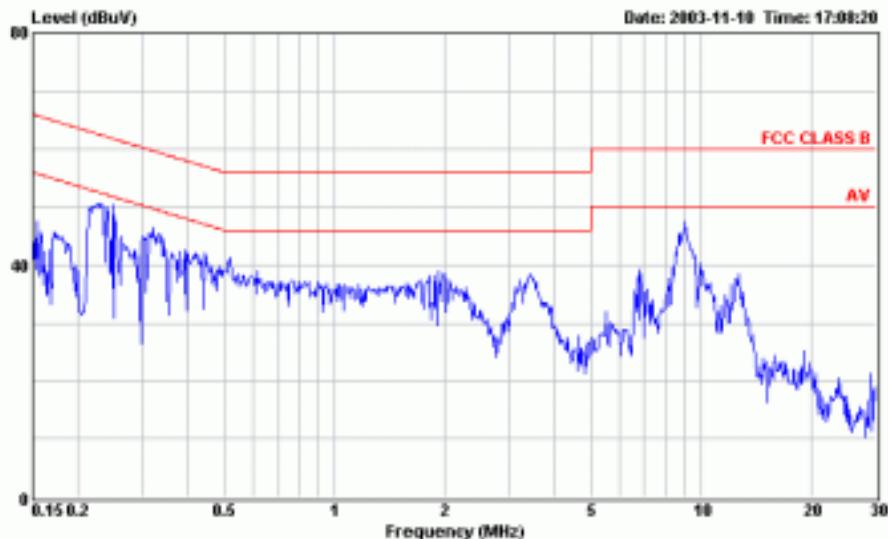
Freq	Level	Limit	Over	Limit	Read	Probe	Cable
			Line	Line	Level	Factor	Loss
MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.229	49.28	-13.22	62.50	49.05	0.18	0.05 QP
2	0.332	44.32	-15.09	59.41	44.15	0.13	0.04 QP
3	0.516	38.20	-17.80	56.00	38.06	0.10	0.04 QP
4	1.924	35.62	-20.38	56.00	35.44	0.10	0.08 QP
5	3.419	34.76	-21.24	56.00	34.56	0.10	0.10 QP
6	8.957	41.12	-18.88	60.00	40.93	0.10	0.09 QP

Freq	Level	Limit	Over	Limit	Read	Probe	Cable
			Line	Line	Level	Factor	Loss
MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.229	37.65	-14.85	52.50	37.42	0.18	0.05 Average
2	0.332	26.58	-22.83	49.41	26.41	0.13	0.04 Average
3	0.516	28.27	-17.73	46.00	28.13	0.10	0.04 Average
4	1.924	19.67	-26.33	46.00	19.49	0.10	0.08 Average
5	3.419	23.22	-22.78	46.00	23.02	0.10	0.10 Average
6	8.957	30.11	-19.89	50.00	29.92	0.10	0.09 Average



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Web:www.ttenc.com.tw

Data# 8 File#: D:\Philips-G921138-FCC-C.EMI



Site : No.4 Shielded room  
Condition : FCC CLASS B IONW-407(SR4-021125) LINE  
EUT : Display color Monitor H/N:6735-60N  
POWER : 120Vac / 60Hz  
MEMO : 1920\*1440/85Hz 128.5KHz(DVI-A)  
: TEST No.EMI03T3-559 S/N:TY0304559  
: DV sample #1, HIT HB tube, IBM H-V1.8  
: W/ACER AS6400 PC ATI Radeon VE Card  
: W/IBM 8186-E6V PC, VGA on board  
Environment : 26°C/68°

Data# 9 File#: D:\Philips-G921138-FCC-C.EMI Date: 2003-11-10 Time: 17:08:54

Site : No.4 Shielded room  
Condition : FCC CLASS B IONW-407(SR4-021125) LINE  
EUT : Display color Monitor H/N:6735-60N  
POWER : 120Vac / 60Hz  
MEMO : 1920\*1440/85Hz 128.5KHz(DVI-A)  
: TEST No.EMI03T3-559 S/N:TY0304559  
: DV sample #1, HIT HB tube, IBM H-V1.8  
: W/ACER AS6400 PC ATI Radeon VE Card  
: W/IBM 8186-E6V PC, VGA on board  
Environment : 26°C/68°

Freq	Level	Over Limit		Read Limit		Probe Factor	Cable Loss	Remark
		MHz	dBuV	dB	Line			

1	0.224	49.24	-13.42	62.66	49.01	0.18	0.05	QP
2	0.327	43.88	-15.66	59.54	43.71	0.13	0.04	QP
3	1.931	35.84	-20.16	56.00	35.66	0.10	0.08	QP
4	3.408	34.28	-21.72	56.00	34.08	0.10	0.10	QP
5	8.948	42.83	-17.17	60.00	42.64	0.10	0.09	QP
6	12.579	33.23	-26.77	60.00	32.90	0.16	0.17	QP

Data# 10 File#: D:\Philips-G921138-FCC-C.EMI

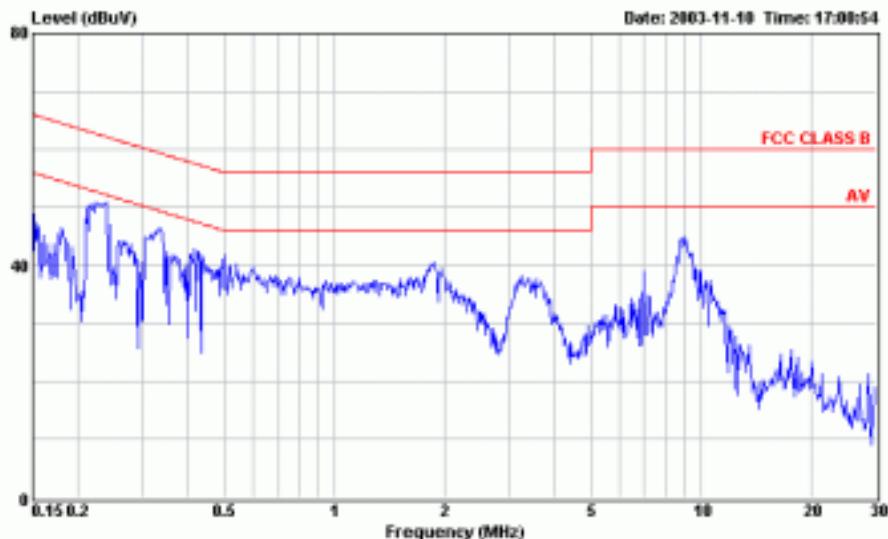
Freq	Level	Over Limit		Read Limit		Probe Factor	Cable Loss	Remark
		MHz	dBuV	dB	Line			

1	0.224	38.09	-14.57	52.66	37.86	0.18	0.05	Average
2	0.327	26.59	-22.95	49.54	26.42	0.13	0.04	Average
3	1.931	20.41	-25.59	46.00	20.23	0.10	0.08	Average
4	3.408	22.71	-23.29	46.00	22.51	0.10	0.10	Average
5	8.948	32.18	-17.82	50.00	31.99	0.10	0.09	Average
6	12.579	23.04	-26.96	50.00	22.71	0.16	0.17	Average



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Data# 1 File# D:\Philips-G921138-FCC-C.EMI



Site : No.4 Shielded room  
Condition : FCC CLASS B KMW-407(SR4-021125) NEUTRAL  
EUT : Display color Monitor M/N:6735-60N  
POWER : 120Vac / 60Hz  
MEMO : 2048\*1536/75Hz 120KHz(DVI-A)  
: TEST No.EMI03T3-559 S/N:TY0304559  
: DV sample #1, HIT HB tube, IBM H-V1.8  
: W/ACER AS6400 PC ATI Radeon VE Card  
: W/IBM B186-E6V PC, VGA on board  
Environment : 26°C/68%

Data# 5 File# D:\Philips-G921138-FCC-C.EMI Date: 2003-11-10 Time: 17:04:15  
Site : No.4 Shielded room  
Condition : FCC CLASS B KMW-407(SR4-021125) NEUTRAL  
EUT : Display color Monitor M/N:6735-60N  
POWER : 120Vac / 60Hz  
MEMO : 2048\*1536/75Hz 120KHz(DVI-A)  
: TEST No.EMI03T3-559 S/N:TY0304559  
: DV sample #1, HIT HB tube, IBM H-V1.8  
: W/ACER AS6400 PC ATI Radeon VE Card  
: W/IBM B186-E6V PC, VGA on board  
Environment : 26°C/68%

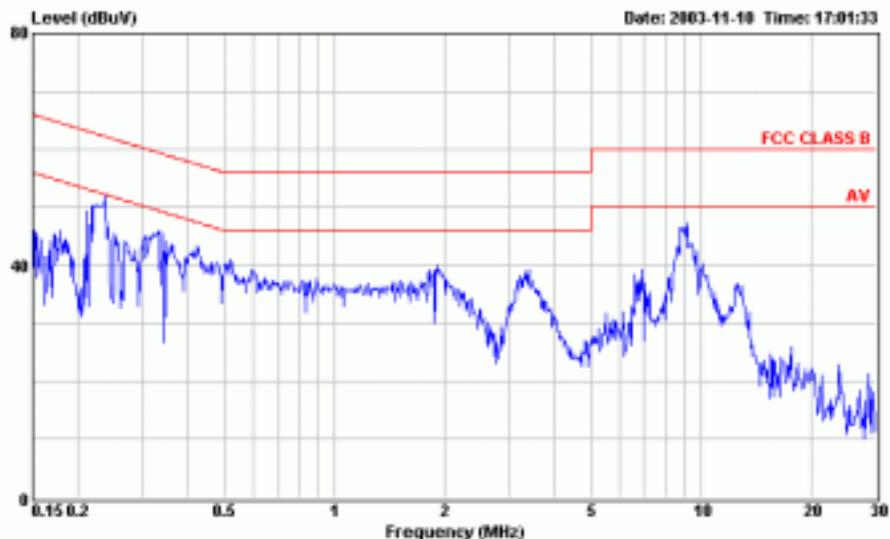
Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	
						dB	dB
MHz	dBuV	dB	dBuV	dBuV	dB		
1	0.228	49.42	-13.10	62.52	49.19	0.18	0.05 QP
2	0.331	44.47	-14.96	59.43	44.30	0.13	0.04 QP
3	0.508	38.14	-17.86	56.00	38.00	0.10	0.04 QP
4	1.918	35.64	-20.36	56.00	35.46	0.10	0.08 QP
5	3.397	35.26	-20.74	56.00	35.06	0.10	0.10 QP
6	8.935	41.04	-18.96	60.00	40.85	0.10	0.09 QP

Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	
						dB	dB
MHz	dBuV	dB	dBuV	dBuV	dB		
1	0.228	38.43	-14.09	52.52	38.20	0.18	0.05 Average
2	0.331	26.55	-22.88	49.43	26.38	0.13	0.04 Average
3	0.508	20.27	-25.73	46.00	20.13	0.10	0.04 Average
4	1.918	19.08	-26.92	46.00	18.90	0.10	0.08 Average
5	3.397	24.13	-21.87	46.00	23.93	0.10	0.10 Average
6	8.935	30.42	-19.58	50.00	30.23	0.10	0.09 Average



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Data# 2 File# D:\Philips-G921138-FCC-C.EMI



Site : No.4 Shielded room  
Condition : FCC CLASS B KNW-407(SR4-021125) LINE  
EUT : Display color Monitor M/N:6735-60N  
POWER : 120Vac / 60Hz  
MEMO : 2040\*1536/75Hz 120KHz(DVI-A)  
: TEST No.EMI03T3-559 S/N:TY0304559  
: DV sample #1, HIT HB tube, IBM H-V1.8  
: W/ACER AS6400 PC ATI Radeon VE Card  
: W/IBM B186-E6V PC, VGA on board  
Environment : 26°C / 68%

Data# 3 File# D:\Philips-G921138-FCC-C.EMI Date: 2003-11-10 Time: 17:03:16  
Site : No.4 Shielded room  
Condition : FCC CLASS B KNW-407(SR4-021125) LINE  
EUT : Display color Monitor M/N:6735-60N  
POWER : 120Vac / 60Hz  
MEMO : 2040\*1536/75Hz 120KHz(DVI-A)  
: TEST No.EMI03T3-559 S/N:TY0304559  
: DV sample #1, HIT HB tube, IBM H-V1.8  
: W/ACER AS6400 PC ATI Radeon VE Card  
: W/IBM B186-E6V PC, VGA on board  
Environment : 26°C / 68%

Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	
						dBuV	dB
1	0.239	49.41	-12.73	62.14	49.19	0.17	0.05 QP
2	0.332	44.36	-15.03	59.39	44.19	0.13	0.04 QP
3	1.906	36.47	-19.53	56.00	36.29	0.10	0.08 QP
4	3.386	34.62	-21.38	56.00	34.42	0.10	0.10 QP
5	6.900	32.33	-27.67	60.00	32.15	0.10	0.08 QP
6	8.929	42.67	-17.33	60.00	42.48	0.10	0.09 QP

Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	
						dBuV	dB
1	0.239	38.52	-13.62	52.14	38.30	0.17	0.05 Average
2	0.332	25.73	-23.66	49.39	25.56	0.13	0.04 Average
3	1.906	20.53	-25.47	46.00	20.35	0.10	0.08 Average
4	3.386	22.92	-23.08	46.00	22.72	0.10	0.10 Average
5	6.900	20.90	-29.10	50.00	20.72	0.10	0.08 Average
6	8.929	31.70	-18.30	50.00	31.51	0.10	0.09 Average

### 3. RADIATED EMISSION TEST

#### 3.1. Test Equipment

The following test equipment was 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.	Next Cal.
1.	Spectrum Analyzer	HP	8593EM	3826A00248	Sep.24, 03'	Sep.23, 04'
2.	Pre-Amplifier	HP	8447D	2944A06305	Mar. 04, 03'	Mar. 03, 04'
3.	Broadband Antenna	Schwarzbeck	BBA 9106	A3L	Feb. 23, 03'	Feb. 22, 04'
4.	Broadband Antenna	Schwarzbeck	UHALP9108-A	0138	Feb. 23, 03'	Feb. 22, 04'

##### 3.1.2. Above 1GHz Frequency (At Semi-Anechoic Chamber)

Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Spectrum Analyzer	HP	8593EM	3826A00248	Sep.24, 03'	Sep.23, 04'
2.	Amplifier	HP	8449B	3008A00529	Jan. 07, 03'	Jan. 06, 04'
3.	Horn Antenna	EMCO	3115	9112-3775	Apr. 21, 03'	Apr. 20, 04'

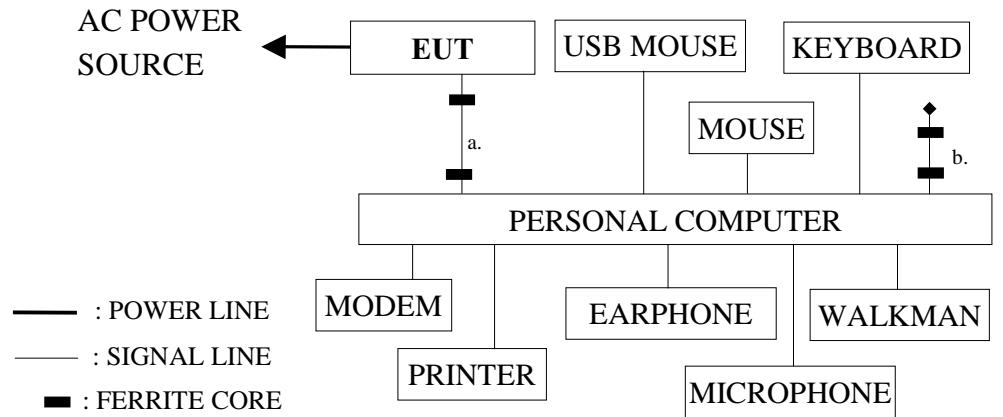
##### 3.1.3. For 30MHz~1000MHz Frequency (At No. 3 Open Test Site)

Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Spectrum Analyzer	HP	8590L	3710A01838	N/A	N/A
2.	Test Receiver	R & S	ESVS10	845165/002	Feb.11, 03'	Feb.11, 04'
3.	Computer	TOKIN	586PC	N/A	N/A	N/A
4.	Printer	NEC	P2000	553295379	N/A	N/A
5.	Amplifier	HP	8447D	2727A06154	N/A	N/A
6.	Biconical Antenna	Chase	VBA6106A	1231	Mar. 19, 03'	Mar. 18, 04'
7.	Log Periodic Antenna	Chase	UPA6109	1027	Mar. 19, 03'	Mar. 18, 04'

### 3.2. Block Diagram of Test Setup

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

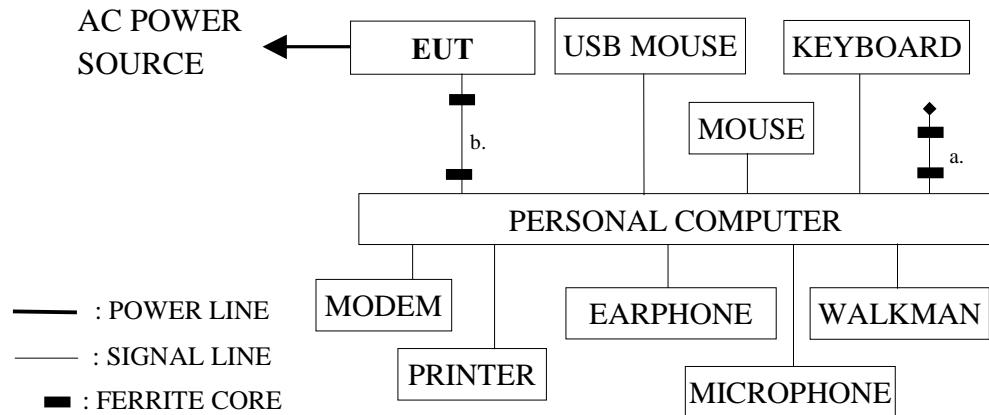
##### 3.2.1.1. Test Mode : Use D-SUB Cable



a: D-Sub Cable, b: DVI-A Cable

**EUT: DISPLAY COLOR MONITOR**

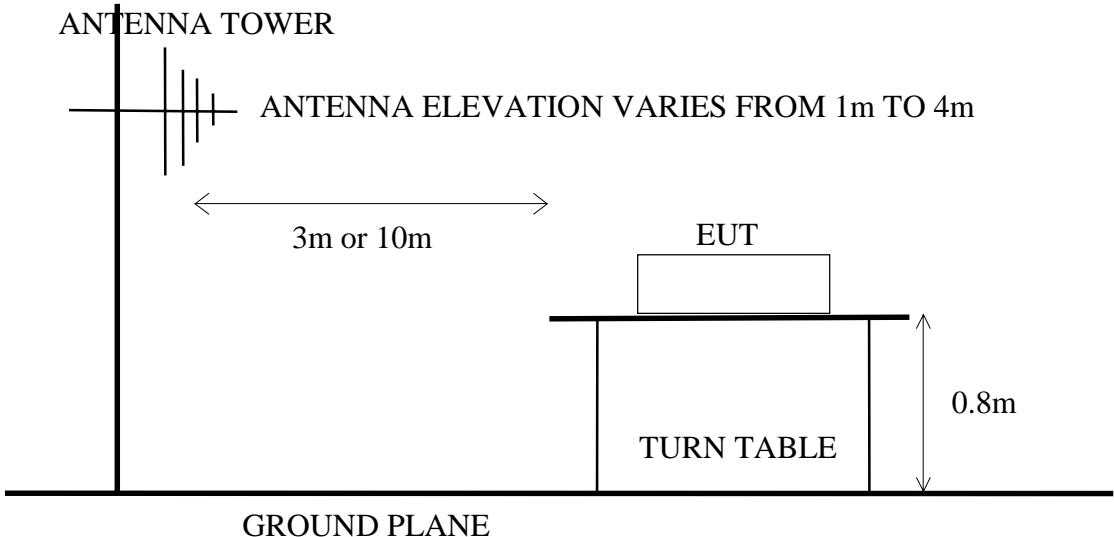
##### 3.2.1.2. Test Mode : Use D-SUB Cable



a: D-Sub Cable, b: DVI-A Cable

**EUT: DISPLAY COLOR MONITOR**

### 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 dB( $\mu$ V/m)
30 ~ 230	10	30 (Quasi-Peak)
230 ~ 1000	10	37 (Quasi-Peak)
Above 1000	3	74 (Peak)

Note :

- (1) The tighter limit shall apply 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).

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

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

### 3.5. Operating Condition of EUT

Same as conducted measurement which is listed in 2.5., except the test set up replaced by section 3.2.

### 3.6. Test Procedure

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

The bandwidth of the R&S Test Receiver ESVS10 was set at 120kHz. (For 30MHz to 1000MHz)

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

The frequency range from 30MHz to 10GHz was checked.

EUT with following test modes and with AC 120V/60Hz supplying voltage were measured within Semi-Anechoic Chamber and all the scanning waveform were attached within Appendix I, which include :

Mode.	Data Cable	Frequency Resolution
1.	D-SUB	640*480/60Hz, 31kHz
2.		1024*768/85Hz, 69kHz
3.		1600*1200/85Hz, 107kHz
4.		1920*1440/85Hz, 128.5kHz
<b>*5.</b>		<b>2048*1536/75Hz, 120kHz</b>
6.	DVI-A	640*480/60Hz, 31kHz
7		1024*768/85Hz, 69kHz
8.		1600*1200/85Hz, 107kHz
9.		1920*1440/85Hz, 128.5kHz
<b>*10.</b>		<b>2048*1536/75Hz, 120kHz</b>

Finally, re-measured a worst operating situation [**test mode 5 & 10**] at No. 3 Open Field Test Site and all the test results are listed in section 3.7.1.

For above 1GHz frequency range, the test mode [**test mode 5**] was selected in above 1GHz test and measured within Semi-Anechoic Chamber and the test results are listed in section 3.7.2.

### 3.7. Radiated Emission Measurement Results

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

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 : 92. 11. 05 Temperature : 27 °C

EUT : Display Color Monitor Humidity : 73 %

Test Mode : 2048\*1536/75Hz, 120kHz (D-SUB)

Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading		Emission Level	
			Horizontal dB $\mu$ V	Horizontal dB $\mu$ V/m	Limits dB $\mu$ V/m	Margin dB
113.018	18.53	2.20	2.03	22.76	30.00	7.24
131.824	19.59	2.20	-1.85	19.94	30.00	10.06
147.410	19.90	2.40	0.34	22.64	30.00	7.36
150.615	19.98	2.40	-0.80	21.58	30.00	8.42
*	<b>188.336</b>	<b>20.70</b>	<b>2.80</b>	<b>1.89</b>	<b>25.39</b>	<b>30.00</b>
207.161	20.76	3.00	-2.40	21.36	30.00	8.64
250.204	22.21	3.20	-0.46	24.95	37.00	12.05
301.372	13.73	3.60	8.33	25.66	37.00	11.34
459.976	17.30	4.40	2.33	24.03	37.00	12.97
562.125	20.12	5.20	-0.50	24.82	37.00	12.18
660.193	20.62	5.60	-0.77	25.45	37.00	11.55
727.649	21.06	6.00	-0.08	26.98	37.00	10.02
805.300	22.51	6.40	-0.52	28.39	37.00	8.61
904.185	23.32	6.80	-0.80	29.32	37.00	7.68

Remarks :

1. All readings are Quasi-Peak values.
2. Emission Level = Antenna Factor + Cable Loss + Meter Reading
3. The worst emission was detected at 188.336MHz with corrected signal level of 25.39dB $\mu$ V/m (limit is 30.0dB $\mu$ V/m) when the antenna was at horizontal polarization and was at 4m high and the turn table was at 225°.
4. 0° was the table front facing the antenna. Degree is calculated from 0° clockwise facing the antenna.

Date of Test : 92. 11. 05 Temperature : 27 °C  
 EUT : Display Color Monitor Humidity : 73 %  
 Test Mode : 2048\*1536/75Hz, 120kHz (D-SUB)

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
42.780	18.34	1.20	4.17	23.71	30.00	6.29
62.060	13.10	1.49	9.17	23.76	30.00	6.24
113.021	18.51	2.20	2.57	23.28	30.00	6.72
131.930	18.99	2.20	-0.79	20.40	30.00	9.60
146.800	20.40	2.40	1.68	24.48	30.00	5.52
150.738	20.84	2.40	0.08	23.32	30.00	6.68
*	<b>188.339</b>	<b>21.51</b>	<b>2.80</b>	<b>0.19</b>	<b>24.50</b>	<b>30.00</b>
207.206	21.60	3.00	-2.32	22.28	30.00	7.72
263.693	22.43	3.40	-1.14	24.69	37.00	12.31
301.372	14.03	3.60	5.74	23.37	37.00	13.63
456.226	17.62	4.55	1.51	23.68	37.00	13.32
562.126	20.05	5.20	-0.68	24.57	37.00	12.43
660.194	20.74	5.60	1.33	27.67	37.00	9.33
727.650	21.12	6.00	0.57	27.69	37.00	9.31
805.301	22.59	6.40	-0.71	28.28	37.00	8.72
904.186	23.42	6.80	-0.80	29.42	37.00	7.58

Remarks : 1. All readings are Quasi-Peak values.  
 2. Emission Level = Antenna Factor + Cable Loss + Meter Reading  
 3. The worst emission was detected at 188.339MHz with corrected signal level of 24.50dB $\mu$ V/m (limit is 30.0dB $\mu$ V/m) when the antenna was at vertical polarization and was at 1m high and the turn table was at 45°.  
 4. 0° was the table front facing the antenna. Degree is calculated from 0° clockwise facing the antenna.

Date of Test : 92. 11. 05 Temperature : 27 °C  
 EUT : Display Color Monitor Humidity : 73 %  
 Test Mode : 2048\*1536/75Hz, 120kHz (DVI-A)

Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading		Emission Level	
			Horizontal dB $\mu$ V	Horizontal dB $\mu$ V/m	Limits dB $\mu$ V/m	Margin dB
113.177	18.53	2.20	4.66	25.39	30.00	4.61
* 146.643	19.87	2.40	3.30	25.57	30.00	4.43
150.612	19.98	2.40	1.21	23.59	30.00	6.41
188.319	20.70	2.80	1.89	25.39	30.00	4.61
226.018	21.83	3.20	-1.54	23.49	30.00	6.51
339.143	14.63	3.87	5.06	23.56	37.00	13.44
376.729	15.45	4.10	5.30	24.85	37.00	12.15
452.142	16.62	4.60	5.64	26.86	37.00	10.14
565.147	19.95	5.30	-1.85	23.40	37.00	13.60
602.849	20.42	5.40	-0.33	25.49	37.00	11.51
730.820	21.04	6.00	-0.10	26.94	37.00	10.06
813.757	22.58	6.60	0.20	29.38	37.00	7.62

Remarks : 1. All readings are Quasi-Peak values.  
 2. Emission Level = Antenna Factor + Cable Loss + Meter Reading  
 3. The worst emission was detected at 146.643MHz with corrected signal level of 25.57dB $\mu$ V/m (limit is 30.0dB $\mu$ V/m) when the antenna was at horizontal polarization and was at 4m high and the turn table was at 160°.  
 4. 0° was the table front facing the antenna. Degree is calculated from 0° clockwise facing the antenna.

Date of Test : 92. 11. 05 Temperature : 27 °C  
 EUT : Display Color Monitor Humidity : 73 %  
 Test Mode : 2048\*1536/75Hz, 120kHz (DVI-A)

Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading	Emission Level	Limits dB $\mu$ V/m	Margin dB
			Vertical dB $\mu$ V	Vertical dB $\mu$ V/m		
75.313	13.63	1.60	8.16	23.39	30.00	6.61
113.108	18.51	2.20	-0.26	20.45	30.00	9.55
144.163	20.28	2.20	3.06	25.54	30.00	4.46
150.486	20.80	2.40	1.35	24.55	30.00	5.45
188.335	21.51	2.80	1.96	26.27	30.00	3.73
*	<b>226.029</b>	<b>20.64</b>	<b>3.20</b>	<b>2.55</b>	<b>26.39</b>	<b>30.00</b>
301.339	14.03	3.60	9.93	27.56	37.00	9.44
339.119	14.94	3.87	7.05	25.86	37.00	11.14
452.135	17.33	4.60	3.93	25.86	37.00	11.14
565.135	20.08	5.30	1.98	27.36	37.00	9.64
602.811	20.56	5.40	-0.49	25.47	37.00	11.53
791.139	22.59	6.40	0.92	29.91	37.00	7.09

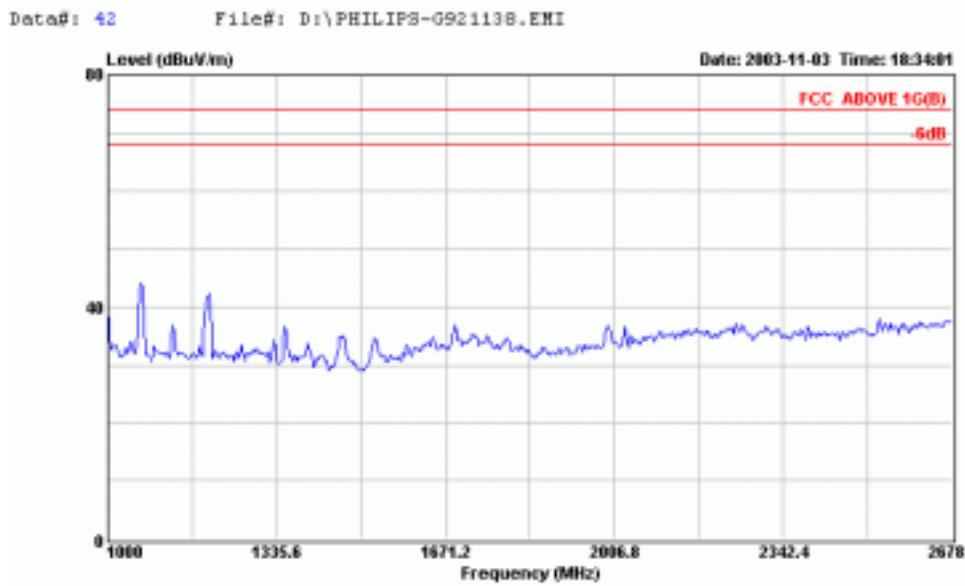
Remarks : 1. All readings are Quasi-Peak values.  
 2. Emission Level = Antenna Factor + Cable Loss + Meter Reading  
 3. The worst emission was detected at 226.029MHz with corrected signal level of 26.39dB $\mu$ V/m (limit is 30.0dB $\mu$ V/m) when the antenna was at vertical polarization and was at 1m high and the turn table was at 90°.  
 4. 0° was the table front facing the antenna. Degree is calculated from 0° clockwise facing the antenna.

## 3.7.2. Above1GHz frequency and 3 meters distance measurement.

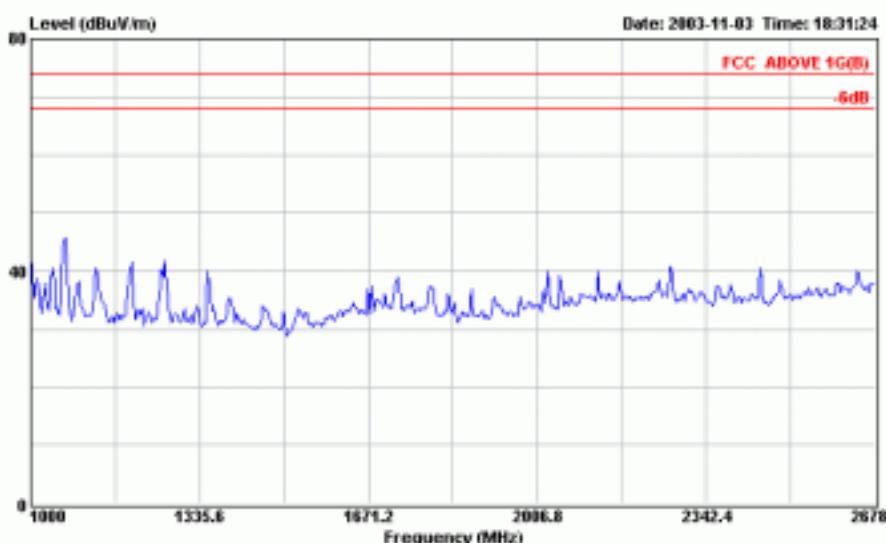
Because of the emission level from EUT is too low to be measured, therefore, the reading values not reported. All the scanning waveform are listed below.



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Data#: 41 File#: D:\PHILIPS-G921138.EMI





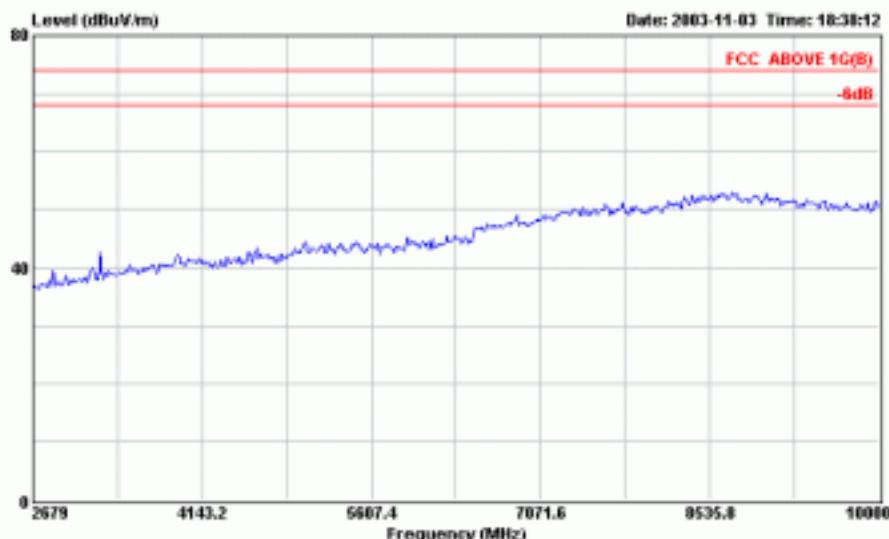
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Web:www.tttemc.com.tw

Data# : 43 File# : D:\PHILIPS-G921138.EMI



Site : Anechoic Chamber  
Condition : FCC ABOVE 1G(B) 3m 3115 HORIZONTAL  
ENVIRONMENT : 20°C/48%  
EUT : Display Color Monitor M/N:6735-60N  
POWER : 120W/60Hz  
MEMO : 2048\*1536/75Hz 120KHz D-SUB

Data# : 44 File# : D:\PHILIPS-G921138.EMI



Site : Anechoic Chamber  
Condition : FCC ABOVE 1G(B) 3m 3115 VERTICAL  
ENVIRONMENT : 20°C/48%  
EUT : Display Color Monitor M/N:6735-60N  
POWER : 120W/60Hz  
MEMO : 2048\*1536/75Hz 120KHz D-SUB

#### 4. DEVIATION TO TEST SPECIFICATIONS

[ NONE ]