

TEST REPORT FOR CERTIFICATION

Class II Permissive Change

On Behalf for

Philips Electronics Industries (Taiwan) Ltd.

Flat Panel Color Monitor

Model No.: (1)170S5 (2)170B5

FCC ID. : A3KM129

Brand : PHILIPS

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
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Report Number : EM-F930037
Date of Test : Feb. 26 ~ 27, 2004
Date of Report : Mar. 01, 2004

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TEST REPORT CERTIFICATION (Class II Permissive Change)

Applicant	:	Philips Electronics Industries (Taiwan) Ltd.
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
EUT Description	:	Flat Panel Color Monitor
FCC ID.	:	A3KM129
		(A) MODEL NO. : (1)170S5 (2)170B5
		(B) SERIAL NO. : (1)TY0404048 (2)TY0404053
		(C) BRAND : PHILIPS
		(D) POWER SUPPLY : AC 100-240V~, 60-50Hz, 1.2-0.6A
		(Test Voltage: AC 120V/60Hz)

Measurement Procedure Used:

FCC 47 CFR, Part 15, Subpart B / Dec. 2003 and CISPR 22 / 1997
ANSI C63.4 / 2001

The device described above was tested by Audix Corporation to determine the maximum emission levels emanating from the device. The maximum emission levels were compared to the CISPR 22 Class B radiated emission limit below 1GHz against the 15.109(g) of FCC Part 15 and 15.109(a) of FCC Part 15 limit above 1GHz, and compared to the conducted emission limit of 15.107(a) of FCC Part 15.

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

This report applies to above tested sample only. This report shall not be reproduced in part without written approval of Audix Corporation.

Date of Test : Feb. 26 ~ 27, 2004

Prepared by : Cherry Wang Mar. 11, 2004
(Cherry Wang/Assistant Manager)

Test Engineer : Allen Wang Mar. 12, 2004
(Allen Wang/Deputy Manager)

Approved & Authorized Signer : Leon Liu Mar. 13 2004
(Leon Liu/General Assistant Manager)

1. GENERAL INFORMATION

1.1. Description of Device (EUT)

Description	:	Flat Panel Color Monitor
FCC ID	:	A3KM129
Model Number	:	(1)170S5 (2)170B5
Serial Number	:	(1)TY0404048 (2)TY0404053
Brand	:	PHILIPS
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
Scanning Frequency	:	Horizontal : 30kHz-80kHz Vertical : 56Hz-75Hz
LCD Panel	:	Quanta Display Inc, M/N QD17EL07
Inverter Board	:	(1) LC (Lien Chang), Type No. AI-0068X (2) Ambit, Type No. T50P050.xx

Data Cable (D-Sub)	:	Shielded, Detachable, 1.8m Bonded two ferrite cores
Data Cable (DVI)	:	Shielded, Detachable, 1.8m Bonded two ferrite cores
Audio Cable	:	Non-Shielded, Detachable, 1.5m Bonded a ferrite core
Date of Receipt of Sample	:	Feb. 24, 2004
Date of Test	:	Feb. 26 ~ 27, 2004

Remark:

This EUT is an additional version with original FCC ID A3KM129. The difference is to add a new LCD Panel (Quanta Display Inc, M/N QD17EL07).

1.2. Tested Supporting System Details

1.2.1. PC SYSTEM

Model Number	:	HP VECTRA XE320
Serial Number	:	SG21101987
FCC ID	:	By DoC
BSMI ID	:	3912A318
Manufacturer	:	First International Computer (Brand: HP)
VGA Card	:	ATI, M/N Radeon VE 32M BSMI ID 3902A986, FCC by DoC
Power Cord	:	Non-Shielded, Detachable, 1.8m

1.2.2. KEYBOARD

Model Number	:	SK-2502C
Serial Number	:	M020236414
FCC ID	:	By DoC
BSMI ID	:	3872F107
Manufacturer	:	Silitek (Brand: HP)
Data Cable	:	Non-Shielded, Undetachable, 1.8m

1.2.3. DOT MATRIX PRINTER

Model Number	:	KX-P1121
Serial Number	:	N/A
FCC ID	:	By DoC
BSMI ID	:	3862A151
Manufacturer	:	Matsushita (Brand: Panasonic)
Data Cable	:	Shielded, Detachable, 1.5m
Power Cord	:	Non-Shielded, Undetachable, 1.5m

1.2.4. MODEM

Model Number : DM-1414
 Serial Number : 980034388
 FCC ID : IFAXDM1414
 Manufacturer : Aceex
 Data Cable : Shielded, Detachable, 1.2m
 Power Adapter : Amigo, Model AM-91000A
 Non-Shielded, Undetachable, 1.8m

1.2.5. PS2 MOUSE

Model Number : M-S48a
 Serial Number : LZE20501521
 FCC ID : JNZ201213
 BSMI ID : 4882A001
 Manufacturer : Logitech (Brand: HP)
 Data Cable : Non-Shielded, Undetachable, 1.8m

1.2.6. MICROPHONE

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

1.2.7. USB2.0 MICRO VAULT (USB STORAGE MEDIA)

Model Number : USM64U2
 Serial Number : N/A
 FCC ID : by DoC
 BSMI ID : D33021
 Manufacturer : SONY
 Data Cable : Shielded, Detachable, 1.0m

1.2.8. WALKMAN

Model Number : Q-P35LT-K
 Serial Number : HA08473
 Manufacturer : Panasonic
 Data Cable : Non-Shielded, Detachable, 1.8m

1.2.9. EARPHONE (M/N: 170B5– LINK TO EUT)

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

1.2.10. AC POWER CORD

Power Cord : Non-Shielded, Detachable, 1.8m (3Pin)

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 County 24443, Taiwan, R.O.C.

Test Facility & Location : **No. 4 Shielded Room**
 (C4/R3/R5) No. 67-4, Tin-Fu Tsun, Lin-Kou Hsiang,
 Taipei County 24443, Taiwan, R.O.C.

No. 3 Open Test Site
 No. 67-4, Tin-Fu Tsun, Lin-Kou Hsiang,
 Taipei County 24443, Taiwan, R.O.C.

Feb. 10, 2003 Re-file on
 Federal Communication Commission
 Registration Number: 90996

No. 5 Open Test Site
 No. 67-4, Tin-Fu Tsun, Lin-Kou Hsiang,
 Taipei County 24443, Taiwan, R.O.C.

Dec. 19, 2003 Re-file on
 Federal Communication Commission
 Registration Number: 90992

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

DAR-Registration No. : DAT-P-145/03-01

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 = $k_{uc}(y)$

2. CONDUCTED EMISSION MEASUREMENT

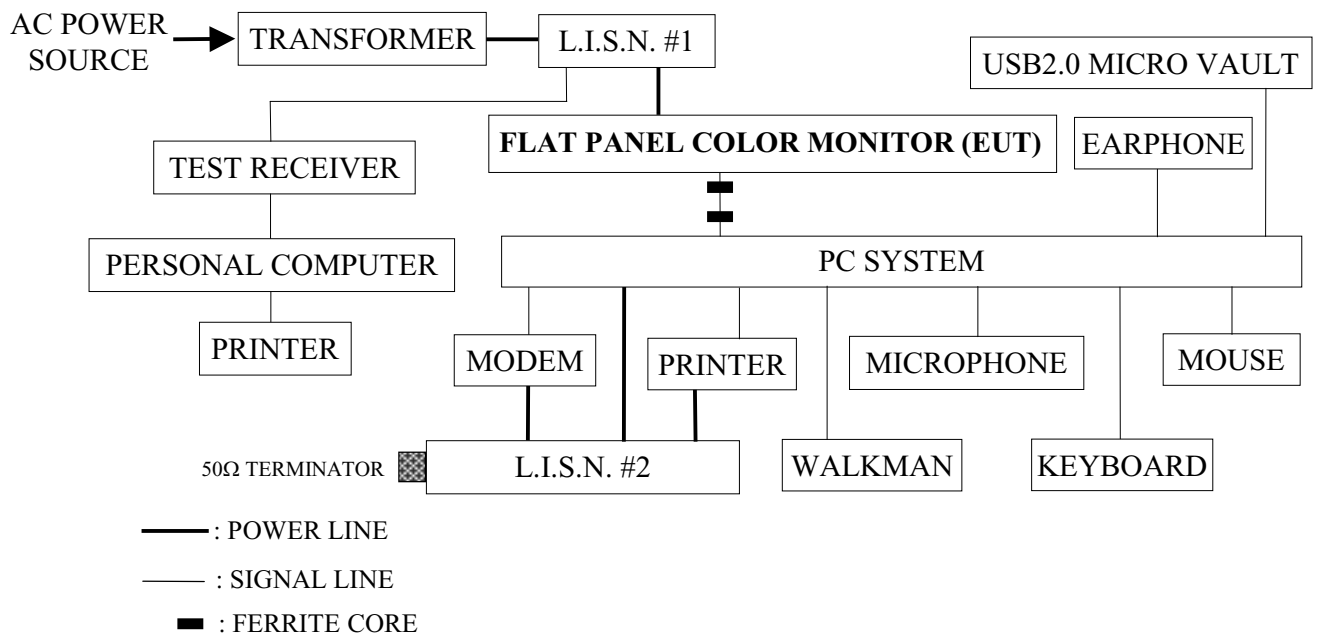
2.1. Test Equipment

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

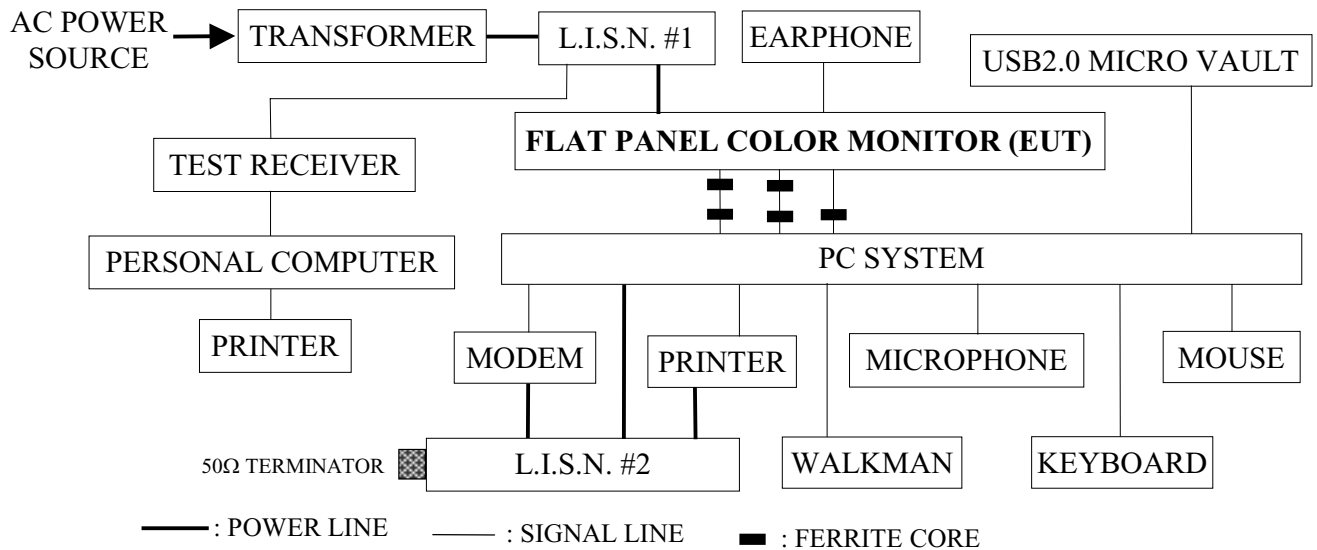
Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Test Receiver	R & S	ESHS10	844591/015	Mar. 05, 03'	Mar. 04, 04'
2.	L.I.S.N. #1	Kyoritsu	KNW-407	8-1430-5	Nov. 20, 03'	Nov. 19, 04'
3.	L.I.S.N. #2	Kyoritsu	KNW-407	8-1430-6	Nov. 20, 03'	Nov. 19, 04'

2.2. Block Diagram of Test Setup

2.2.1. Test Model Number: 170S5



2.2.2. Test Model Number: 170B5



2.3. Conducted Emission Limit (§15.107(a), Class B)

Frequency	Maximum RF Line Voltage	
	Quasi-Peak Level	Average Level
150kHz ~ 500kHz	66 ~ 56 dB μ V	56 ~ 46 dB μ V
500kHz ~ 5MHz	56 dB μ V	46 dB μ V
5MHz ~ 30MHz	60 dB μ V	50 dB μ 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. Flat Panel Color Monitor (EUT)

Model Number	: (1)170S5 (2)170B5
Serial No.	: (1)TY0404048 (2)TY0404053
Brand	: PHILIPS
FCC ID.	: A3KM129
Manufacturer	: Philips Electronics Industries (Taiwan) Ltd.
Scanning Frequency	: Horizontal : 30kHz-80kHz Vertical : 56Hz-75Hz
LCD Panel	: Quanta Display Inc, M/N QD17EL07

- | | | |
|--------------------|---|--|
| Inverter Board | : | (1) LC (Lien Chang), Type No. AI-0068X
(2) Ambit, Type No. T50P050.xx |
| Data Cable (D-Sub) | : | Shielded, Detachable, 1.8m
Bonded two ferrite cores |
| Data Cable (DVI) | : | Shielded, Detachable, 1.8m
Bonded two ferrite cores |
| Audio Cable | : | Non-Shielded, Detachable, 1.2m
Bonded a ferrite core |
- 2.4.2. Supporting System : As In Section 1.2.

2.5. Operating Condition of EUT

【Test Model Number: 170S5】

- 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 “TESTPATV 1.8” by Windows 98 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 input.
- 2.5.5. Repeat the above procedures from 2.5.3 to 2.5.4.
- 2.5.6. The other peripheral devices were driven and operated in turn during all testing.

【Test Model Number: 170B5】

- 2.5.7. Setup the EUT and simulator as shown on 2.2.
- 2.5.8. Turned on the power of all equipment.
- 2.5.9. Personal Computer read data from disk.
- 2.5.10. Personal Computer running the self-test program “TESTPATV 1.8” by Windows 98 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.
- 2.5.11. The personal computer played a CD-music disk and sent the sound to EUT’s speaker and earphone output via audio cable I/O port.
- 2.5.12. Repeat the above procedures from 2.5.9 to 2.5.11.
- 2.5.13. 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 were manipulated according to FCC ANSI C63.4-2001 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.)

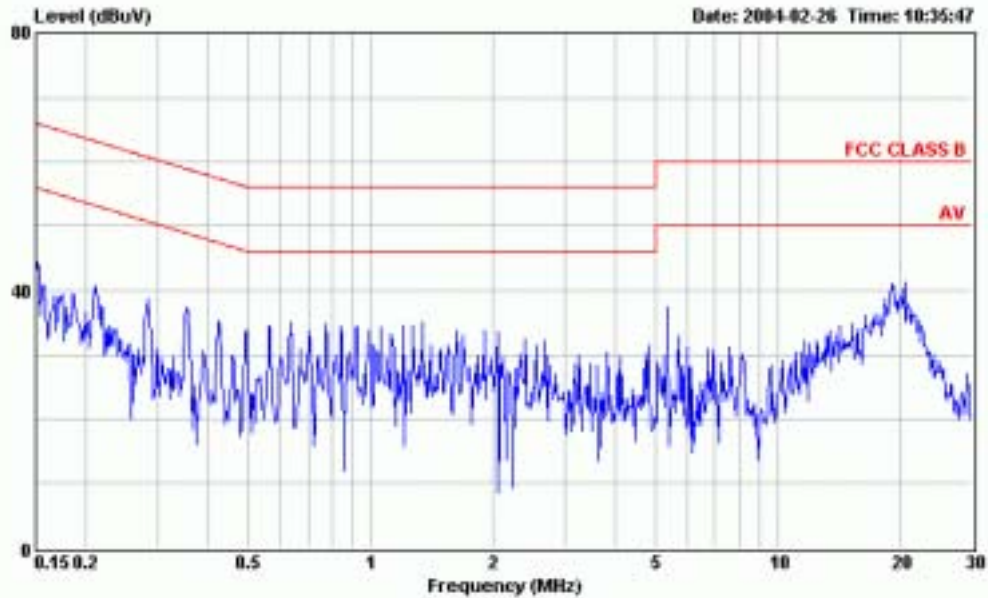
The EUT with flowing testing modes and with AC 120V/60Hz supplying voltage were performed during conducted testing and all the test results are listed in next section.

EUT : Flat Panel Color Monitor Model No.: (1)170S5 (2)170B5

(Test Date: Feb. 26, 2004 Temperature: 22 °C Humidity: 59 %)

Mode.	Model No./Serial No.	Inverter Board	Data Cable	Frequency Resolution	Reference Data #
1.	170S5 (TY0404048)	LC	D-SUB	640*480/60Hz, 31kHz	# 13 (14); #15 (16)
2.				1024*768/75Hz, 60kHz	# 19 (20); # 17 (18)
3.				1280*1024/75Hz, 80kHz	# 21 (22); # 23 (24)
4.	170B5 (TY0404053)	Ambit	D-SUB	640*480/60Hz, 31kHz	# 40 (41, 42); #37 (38, 39)
5.				1024*768/75Hz, 60kHz	# 31 (32, 33); # 34 (35, 36)
6.				1280*1024/75Hz, 80kHz	# 28 (29, 30); # 25 (26, 27)
7.			DVI	640*480/60Hz, 31kHz	# 43 (44, 45); #46 (47, 48)
8.				1024*768/75Hz, 60kHz	# 52 (53, 54); # 49 (50, 51)
9.				1280*1024/75Hz, 80kHz	# 55 (56, 57); # 58 (59, 60)

Data#: 13 File#: C:\Philips-EM930120R1.EMI



Site : No.4 Shielded room
 Condition : FCC CLASS B ENW-407(S/R4-031127) NEUTRAL
 EUT : Flat panel color monitor M/N:170S5
 POWER : 120Vac / 60Hz(22°C / 59%)
 MEMO : 640*480 / 60Hz;31KHz(048:QDI+LC)

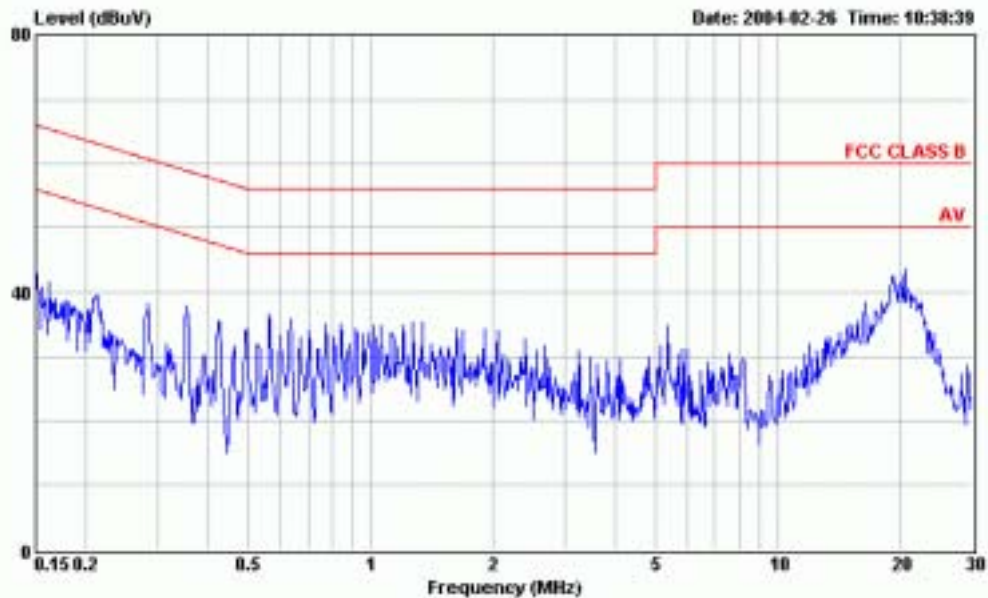
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Date: 2004-02-26 Time: 10:37:20

Site : No.4 Shielded room
 Condition : FCC CLASS B ENW-407(S/R4-031127) NEUTRAL
 EUT : Flat panel color monitor M/N:170S5
 POWER : 120Vac / 60Hz(22°C / 59%)
 MEMO : 640*480 / 60Hz;31KHz(048:QDI+LC)

	Freq	Level	Over Limit	Limit	Read	Probe	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.212	39.15	-23.98	63.13	38.91	0.19	0.05	QP
2	0.352	35.92	-22.99	58.91	35.76	0.12	0.04	QP
3	0.563	34.52	-21.48	56.00	34.39	0.10	0.03	QP
4	1.057	34.02	-21.98	56.00	33.86	0.10	0.06	QP
5	1.906	33.19	-22.81	56.00	33.01	0.10	0.08	QP
6	18.996	39.23	-20.77	60.00	38.73	0.28	0.22	QP

Data# : 15 File# : C:\Philips-EN930120R1.EMI



Site : No.4 Shielded room
 Condition : FCC CLASS B EN61000-407(S/R4-031127) LINE
 EUT : Flat panel color monitor M/N:17055
 POWER : 120Vac / 60Hz(22°C / 59%)
 MEMO : 640*480 / 60Hz;31KHz(048:QDI+LC)

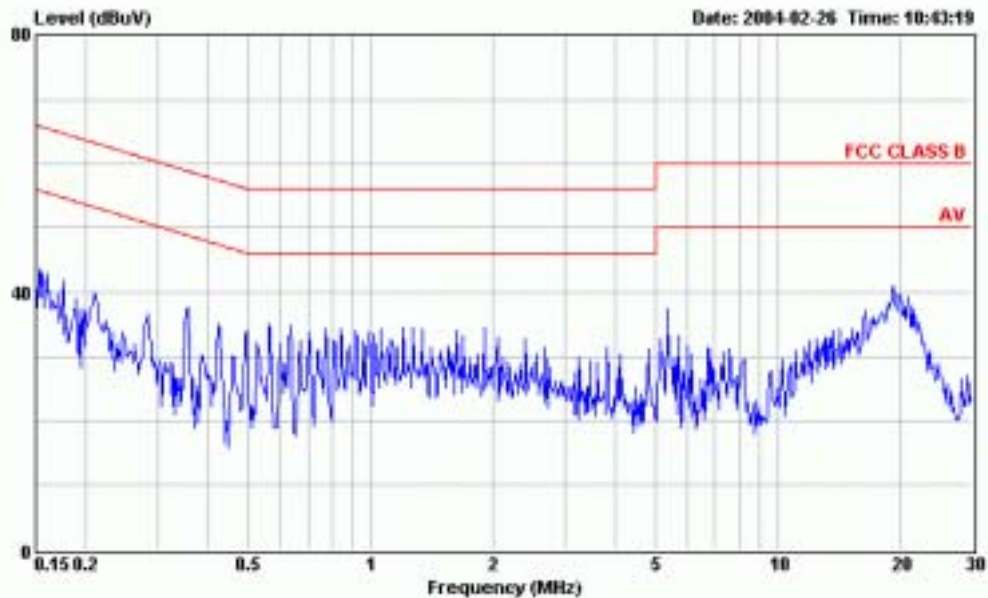
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Date: 2004-02-26 Time: 10:40:26

Site : No.4 Shielded room
 Condition : FCC CLASS B EN61000-407(S/R4-031127) LINE
 EUT : Flat panel color monitor M/N:17055
 POWER : 120Vac / 60Hz(22°C / 59%)
 MEMO : 640*480 / 60Hz;31KHz(048:QDI+LC)

			Over	Limit	Read	Probe	Cable	
	Freq	Level	Limit	Line	Level	Factor	Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.209	37.50	-25.73	63.23	37.26	0.19	0.05	QP
2	0.354	35.12	-23.75	58.87	34.96	0.12	0.04	QP
3	0.563	35.29	-20.71	56.00	35.16	0.10	0.03	QP
4	1.057	34.72	-21.28	56.00	34.56	0.10	0.06	QP
5	1.906	33.68	-22.32	56.00	33.50	0.10	0.08	QP
6	18.992	39.72	-20.28	60.00	39.20	0.30	0.22	QP

Data# : 19 File# : C:\Philips-EN930120R1.EMI



Site : No.4 Shielded room
 Condition : FCC CLASS B EN61000-407(S/R4-031127) NEUTRAL
 EUT : Flat panel color monitor M/N:17055
 POWER : 120Vac / 60Hz(22°C / 59%)
 MEMO : 1024*768 / 75Hz;60KHz(048:QDI+LC)

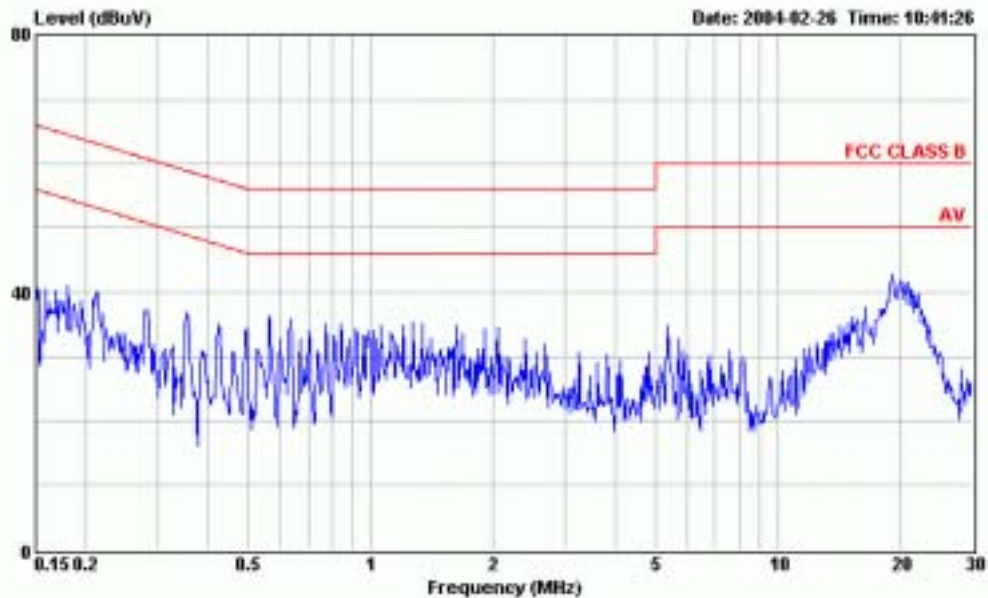
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Date: 2004-02-26 Time: 10:43:59

Site : No.4 Shielded room
 Condition : FCC CLASS B EN61000-407(S/R4-031127) NEUTRAL
 EUT : Flat panel color monitor M/N:17055
 POWER : 120Vac / 60Hz(22°C / 59%)
 MEMO : 1024*768 / 75Hz;60KHz(048:QDI+LC)

	Freq	Level	Over Limit	Limit	Read	Probe	Cable	
	MHz	dBuV		dBuV	dBuV	Factor	Loss	Remark
1	0.210	38.46	-24.75	63.21	38.22	0.19	0.05	QP
2	0.353	36.02	-22.88	58.90	35.86	0.12	0.04	QP
3	0.565	34.35	-21.65	56.00	34.22	0.10	0.03	QP
4	1.058	34.18	-21.82	56.00	34.02	0.10	0.06	QP
5	1.906	33.21	-22.79	56.00	33.03	0.10	0.08	QP
6	18.993	39.67	-20.33	60.00	39.17	0.28	0.22	QP

Data# : 17 File# : C:\Philips-EN930120R1.EMI



Site : No.4 Shielded room
 Condition : FCC CLASS B EN61000-407(S/R4-031127) LINE
 EUT : Flat panel color monitor M/N:17055
 POWER : 120Vac / 60Hz(22°C / 59%)
 MEMO : 1024*768 / 75Hz;60KHz(048:QDI+LC)

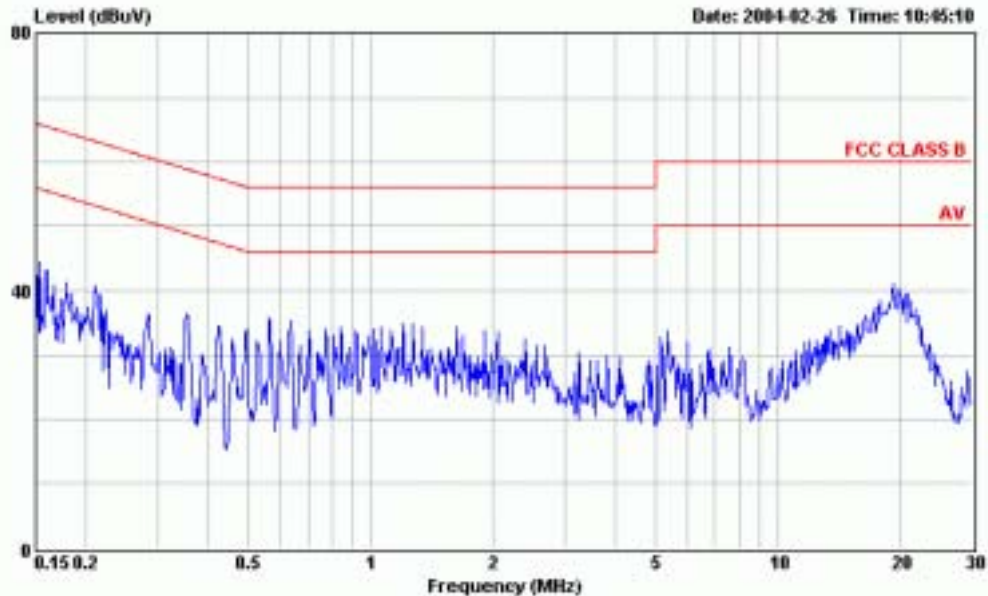
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Date: 2004-02-26 Time: 10:42:26

Site : No.4 Shielded room
 Condition : FCC CLASS B EN61000-407(S/R4-031127) LINE
 EUT : Flat panel color monitor M/N:17055
 POWER : 120Vac / 60Hz(22°C / 59%)
 MEMO : 1024*768 / 75Hz;60KHz(048:QDI+LC)

	Freq	Level	Over Limit	Limit	Read	Probe	Cable	
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	Remark
1	0.211	38.28	-24.90	63.18	38.04	0.19	0.05	QP
2	0.353	35.42	-23.48	58.90	35.26	0.12	0.04	QP
3	0.565	35.16	-20.84	56.00	35.03	0.10	0.03	QP
4	1.058	34.95	-21.05	56.00	34.79	0.10	0.06	QP
5	1.906	33.64	-22.36	56.00	33.46	0.10	0.08	QP
6	18.990	39.63	-20.37	60.00	39.11	0.30	0.22	QP

Data#: 21 File#: C:\Philips-EN930120R1.EMI



Site : No.4 Shielded room
 Condition : FCC CLASS B EN6407(S/R4-031127) NEUTRAL
 EUT : Flat panel color monitor M/N:170S5
 POWER : 120Vac / 60Hz(22°C / 59%)
 MEMO : 1280*1024 / 75Hz;80KHz(D48:QDI+LC)

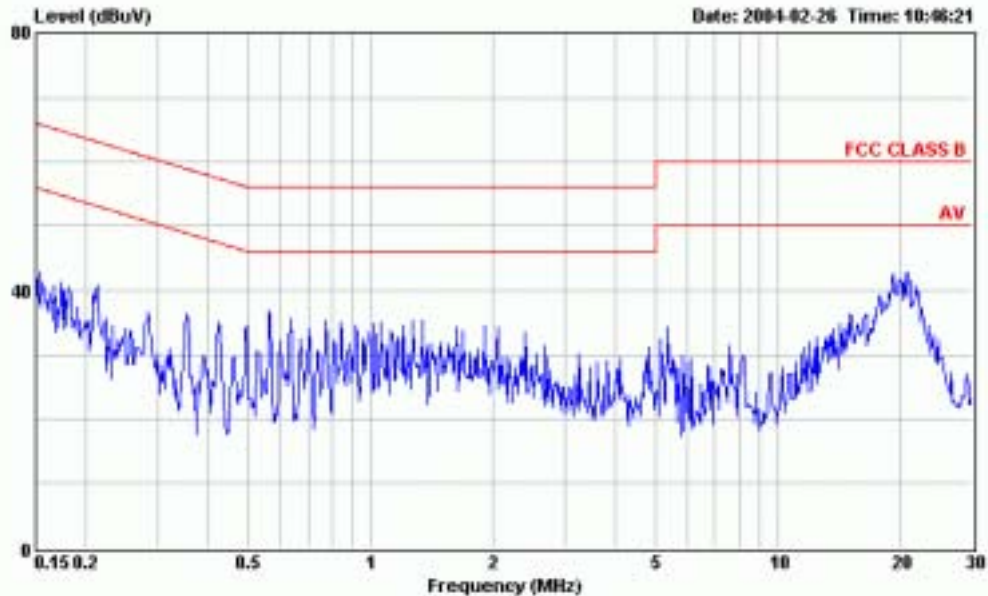
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Date: 2004-02-26 Time: 10:45:38

Site : No.4 Shielded room
 Condition : FCC CLASS B EN6407(S/R4-031127) NEUTRAL
 EUT : Flat panel color monitor M/N:170S5
 POWER : 120Vac / 60Hz(22°C / 59%)
 MEMO : 1280*1024 / 75Hz;80KHz(D48:QDI+LC)

			Over	Limit	Read	Probe	Cable	
	Freq	Level	Limit	Line	Level	Factor	Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.211	38.76	-24.40	63.16	38.52	0.19	0.05	QP
2	0.353	35.94	-22.96	58.90	35.78	0.12	0.04	QP
3	0.564	34.56	-21.44	56.00	34.43	0.10	0.03	QP
4	1.058	34.18	-21.82	56.00	34.02	0.10	0.06	QP
5	1.906	33.15	-22.85	56.00	32.97	0.10	0.08	QP
6	18.995	39.59	-20.41	60.00	39.09	0.28	0.22	QP

Data# : 23 File# : C:\Philips-EN930120R1.EMI



Site : No.4 Shielded room
 Condition : FCC CLASS B EN61000-407(S/R4-031127) LINE
 EUT : Flat panel color monitor M/N:170SS
 POWER : 120Vac / 60Hz(22°C / 59%)
 MEMO : 1280*1024 / 75Hz;80KHz(D48:QDI+LC)

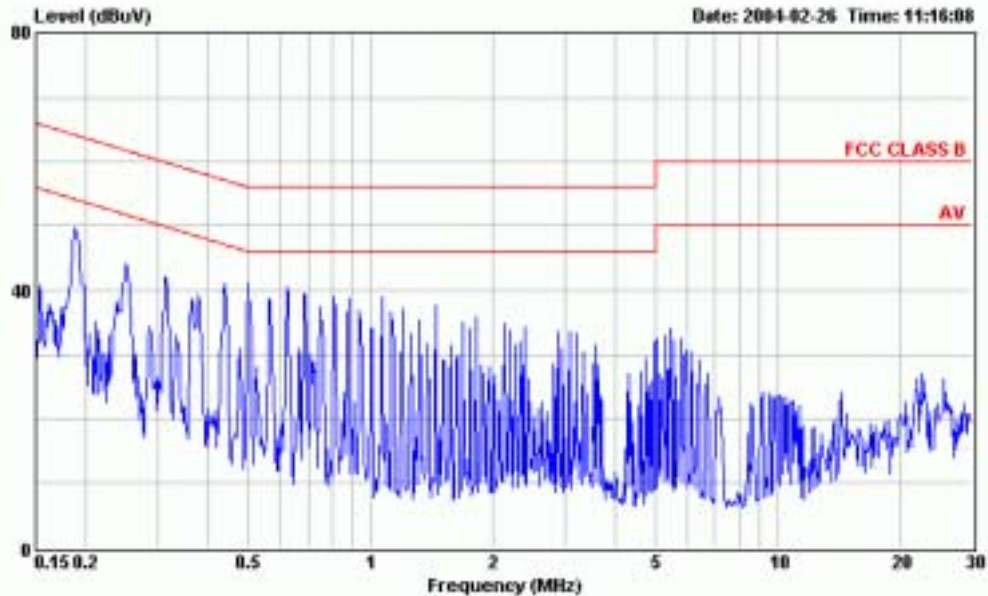
Data# : 24 File# : C:\Philips-EN930120R1.EMI

Date: 2004-02-26 Time: 10:47:01

Site : No.4 Shielded room
 Condition : FCC CLASS B EN61000-407(S/R4-031127) LINE
 EUT : Flat panel color monitor M/N:170SS
 POWER : 120Vac / 60Hz(22°C / 59%)
 MEMO : 1280*1024 / 75Hz;80KHz(D48:QDI+LC)

			Over	Limit	Read	Probe	Cable	
	Freq	Level	Limit	Line	Level	Factor	Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.210	37.74	-25.47	63.21	37.50	0.19	0.05	QP
2	0.353	35.68	-23.22	58.90	35.52	0.12	0.04	QP
3	0.565	35.12	-20.88	56.00	34.99	0.10	0.03	QP
4	1.058	34.93	-21.07	56.00	34.77	0.10	0.06	QP
5	1.906	33.59	-22.41	56.00	33.41	0.10	0.08	QP
6	18.993	39.72	-20.28	60.00	39.20	0.30	0.22	QP

Data#: 40 File#: C:\Philips-EM930120R1.EMI



Site : No.4 Shielded room
 Condition : FCC CLASS B EN61000-407(S/R4-031127) NEUTRAL
 EUT : Flat panel color monitor M/N:170B5
 POWER : 120Vac / 60Hz(22°C / 59%) (D-SUB)
 MEMO : 640*480 / 60Hz:31KHz(OS3:QDI+Ambit)

Data#: 41 File#: C:\Philips-EM930120R1.EMI

Date: 2004-02-26 Time: 11:17:06

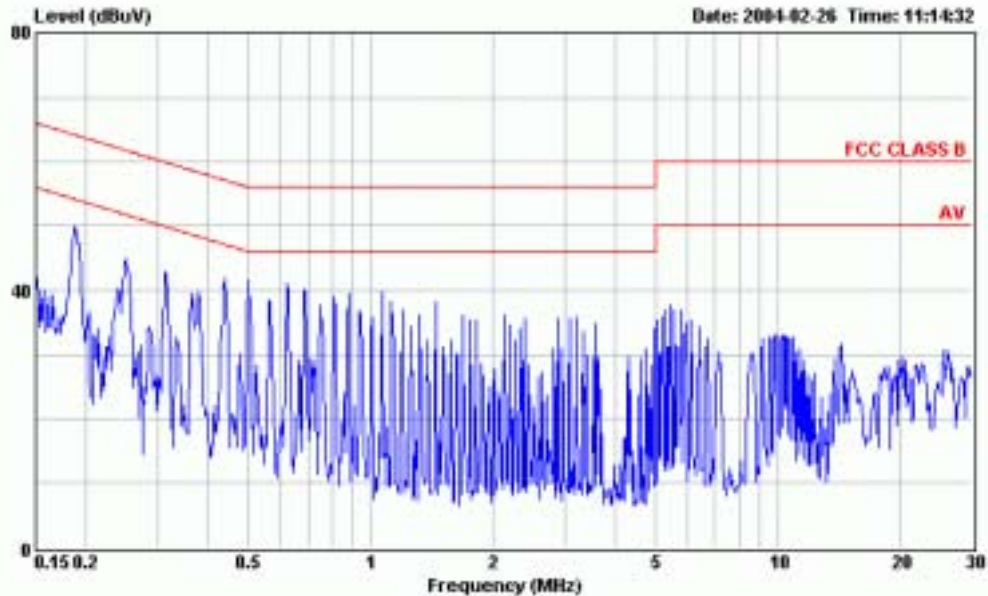
Site : No.4 Shielded room
 Condition : FCC CLASS B EN61000-407(S/R4-031127) NEUTRAL
 EUT : Flat panel color monitor M/N:170B5
 POWER : 120Vac / 60Hz(22°C / 59%) (D-SUB)
 MEMO : 640*480 / 60Hz:31KHz(OS3:QDI+Ambit)

	Freq	Level	Over Limit	Limit	Read	Probe	Cable	
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	Remark
1	0.187	48.33	-15.86	64.19	48.06	0.22	0.05	QP
2	0.313	41.76	-18.14	59.90	41.57	0.14	0.05	QP
3	0.501	40.99	-15.01	56.00	40.85	0.10	0.04	QP
4	0.877	39.20	-16.80	56.00	39.06	0.10	0.04	QP
5	1.440	36.16	-19.84	56.00	35.99	0.10	0.07	QP
6	5.581	33.40	-26.60	60.00	33.18	0.14	0.08	QP

Data#: 42 File#: C:\Philips-EM930120R1.EMI

	Freq	Level	Over Limit	Limit	Read	Probe	Cable	
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	Remark
1	0.187	43.86	-10.33	54.19	43.59	0.22	0.05	Average
2	0.313	40.99	-8.91	49.90	40.80	0.14	0.05	Average
3	0.501	40.51	-5.49	46.00	40.37	0.10	0.04	Average
4	0.877	38.46	-7.54	46.00	38.32	0.10	0.04	Average
5	1.440	33.74	-12.26	46.00	33.57	0.10	0.07	Average
6	5.581	32.06	-17.94	50.00	31.84	0.14	0.08	Average

Data#: 37 File#: C:\Philips-EM930120R1.EMI



Site : No.4 Shielded room
 Condition : FCC CLASS B EN61000-407(S/R4-031127) LINE
 EUT : Flat panel color monitor M/N:170B5
 POWER : 120Vac / 60Hz(22°C / 59%) (D-SUB)
 MEMO : 640*480 / 60Hz;31KHz(053:QDI+4mbit)

Data#: 38 File#: C:\Philips-EM930120R1.EMI

Date: 2004-02-26 Time: 11:15:05

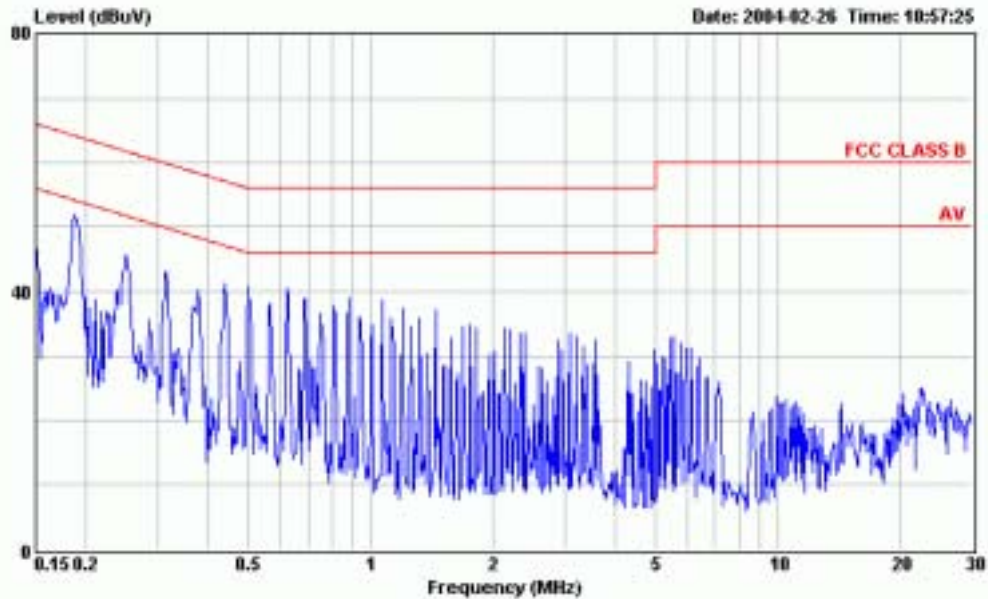
Site : No.4 Shielded room
 Condition : FCC CLASS B EN61000-407(S/R4-031127) LINE
 EUT : Flat panel color monitor M/N:170B5
 POWER : 120Vac / 60Hz(22°C / 59%) (D-SUB)
 MEMO : 640*480 / 60Hz;31KHz(053:QDI+4mbit)

	Freq	Level	Over Limit	Limit	Read	Probe	Cable	
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	Remark
1	0.188	48.71	-15.43	64.14	48.44	0.22	0.05	QP
2	0.314	41.86	-18.00	59.86	41.67	0.14	0.05	QP
3	0.502	41.29	-14.71	56.00	41.15	0.10	0.04	QP
4	0.878	40.01	-15.99	56.00	39.87	0.10	0.04	QP
5	1.442	37.69	-18.31	56.00	37.52	0.10	0.07	QP
6	5.581	37.31	-22.69	60.00	37.09	0.14	0.08	QP

Data#: 39 File#: C:\Philips-EM930120R1.EMI

	Freq	Level	Over Limit	Limit	Read	Probe	Cable	
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	Remark
1	0.188	44.08	-10.06	54.14	43.81	0.22	0.05	Average
2	0.314	41.11	-8.75	49.86	40.92	0.14	0.05	Average
3	0.502	40.73	-5.27	46.00	40.59	0.10	0.04	Average
4	0.878	39.28	-6.72	46.00	39.14	0.10	0.04	Average
5	1.442	34.95	-11.05	46.00	34.78	0.10	0.07	Average
6	5.581	35.71	-14.29	50.00	35.49	0.14	0.08	Average

Data# : 31 File# : C:\Philips-EM930120R1.EMI



Site : No.4 Shielded room
 Condition : FCC CLASS B ENW-407(S/R4-031127) NEUTRAL
 EUT : Flat panel color monitor M/N:17085
 POWER : 120Vac / 60Hz(22°C / 59%) (D-SUB)
 MEMO : 1024*768 / 75Hz;60KHz(OS3:QDI+AmBit)

Data# : 32 File# : C:\Philips-EM930120R1.EMI

Date: 2004-02-26 Time: 11:11:16

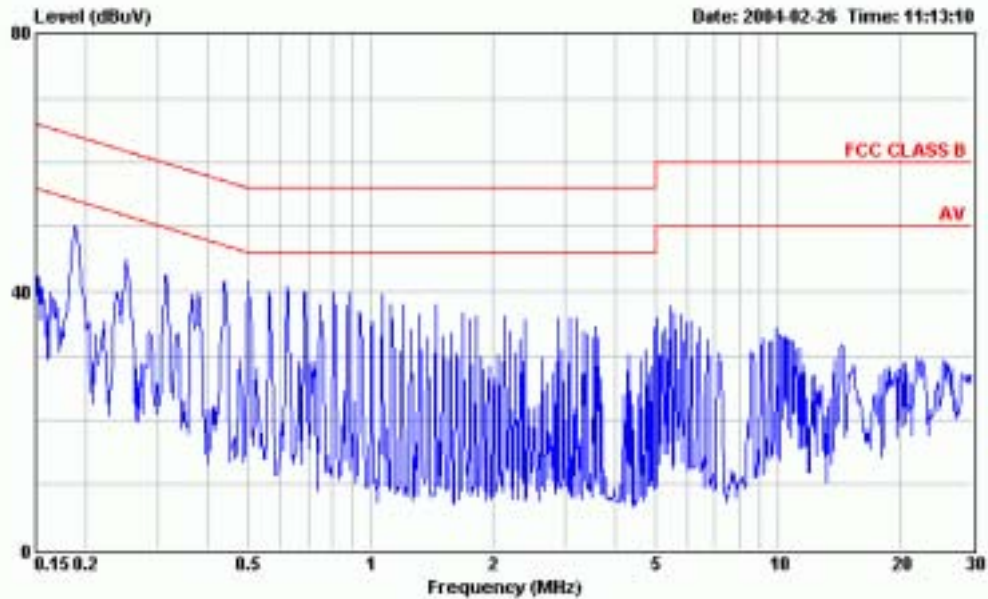
Site : No.4 Shielded room
 Condition : FCC CLASS B ENW-407(S/R4-031127) NEUTRAL
 EUT : Flat panel color monitor M/N:17085
 POWER : 120Vac / 60Hz(22°C / 59%) (D-SUB)
 MEMO : 1024*768 / 75Hz;60KHz(OS3:QDI+AmBit)

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.189	48.65	-15.45	64.10	48.38	0.22	0.05	QP
2	0.312	41.68	-18.24	59.92	41.49	0.14	0.05	QP
3	0.501	41.07	-14.93	56.00	40.93	0.10	0.04	QP
4	0.879	38.90	-17.10	56.00	38.76	0.10	0.04	QP
5	1.444	36.32	-19.68	56.00	36.15	0.10	0.07	QP
6	5.580	32.28	-27.72	60.00	32.06	0.14	0.08	QP

Data# : 33 File# : C:\Philips-EM930120R1.EMI

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.189	43.62	-10.48	54.10	43.35	0.22	0.05	Average
2	0.312	40.85	-9.07	49.92	40.66	0.14	0.05	Average
3	0.501	40.56	-5.44	46.00	40.42	0.10	0.04	Average
4	0.879	38.30	-7.70	46.00	38.16	0.10	0.04	Average
5	1.444	33.96	-12.04	46.00	33.79	0.10	0.07	Average
6	5.580	30.33	-19.67	50.00	30.11	0.14	0.08	Average

Data#: 34 File#: C:\Philips-EM930120R1.EMI



Site : No.4 Shielded room
 Condition : FCC CLASS B EN61000-407(S/R4-031127) LINE
 EUT : Flat panel color monitor M/N:170B5
 POWER : 120Vac / 60Hz(22°C / 59%) (D-SUB)
 MEMO : 1024*768 / 75Hz;60KHz(OS3:QDI+Anbit)

Data#: 35 File#: C:\Philips-EM930120R1.EMI

Date: 2004-02-26 Time: 11:13:25

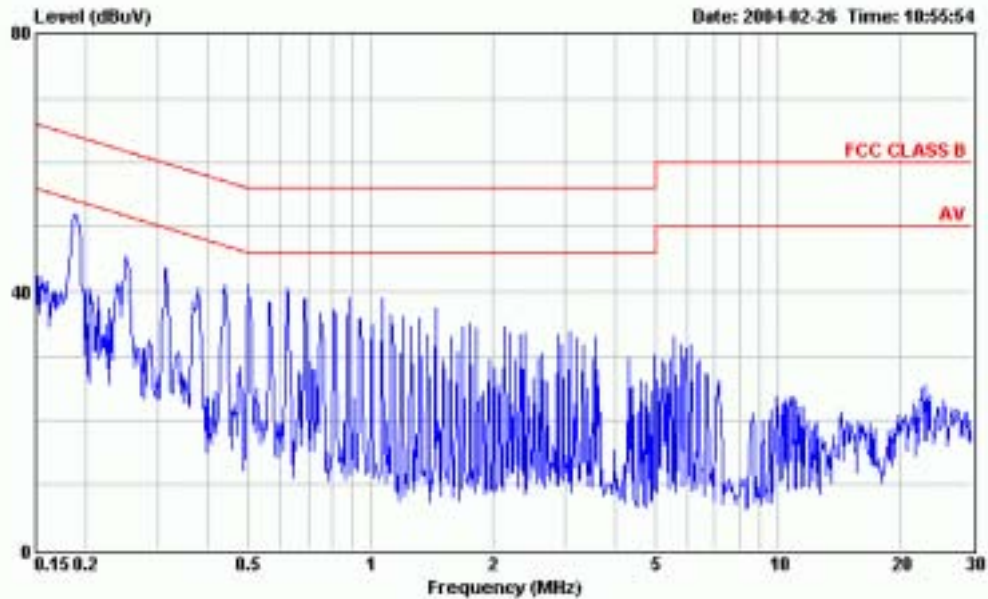
Site : No.4 Shielded room
 Condition : FCC CLASS B EN61000-407(S/R4-031127) LINE
 EUT : Flat panel color monitor M/N:170B5
 POWER : 120Vac / 60Hz(22°C / 59%) (D-SUB)
 MEMO : 1024*768 / 75Hz;60KHz(OS3:QDI+Anbit)

	Over	Limit	Read	Probe	Cable		
Freq	Level	Limit	Line	Level	Factor	Loss	Remark
MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.187	48.91	-15.25	64.16	48.64	0.22	0.05 QP
2	0.312	42.22	-17.70	59.92	42.03	0.14	0.05 QP
3	0.501	41.73	-14.27	56.00	41.59	0.10	0.04 QP
4	0.877	40.05	-15.95	56.00	39.91	0.10	0.04 QP
5	1.443	37.41	-18.59	56.00	37.24	0.10	0.07 QP
6	5.582	37.45	-22.55	60.00	37.23	0.14	0.08 QP

Data#: 36 File#: C:\Philips-EM930120R1.EMI

	Over	Limit	Read	Probe	Cable		
Freq	Level	Limit	Line	Level	Factor	Loss	Remark
MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.187	44.36	-9.80	54.16	44.09	0.22	0.05 Average
2	0.312	41.43	-8.49	49.92	41.24	0.14	0.05 Average
3	0.501	41.22	-4.78	46.00	41.08	0.10	0.04 Average
4	0.877	39.48	-6.52	46.00	39.34	0.10	0.04 Average
5	1.443	35.18	-10.82	46.00	35.01	0.10	0.07 Average
6	5.582	36.14	-13.86	50.00	35.92	0.14	0.08 Average

Data#: 28 File#: C:\Philips-EM930120R1.EMI



Site : No.4 Shielded room
 Condition : FCC CLASS B EN61000-407(S/R4-031127) NEUTRAL
 EUT : Flat panel color monitor M/N:170B5
 POWER : 120Vac / 60Hz(22°C / 59%) (D-SUB)
 MEMO : 1280*1024 / 75Hz;80KHz(OS3:QDI+Anbit)

Data#: 29 File#: C:\Philips-EM930120R1.EMI

Date: 2004-02-26 Time: 10:56:24

Site : No.4 Shielded room
 Condition : FCC CLASS B EN61000-407(S/R4-031127) NEUTRAL
 EUT : Flat panel color monitor M/N:170B5
 POWER : 120Vac / 60Hz(22°C / 59%) (D-SUB)
 MEMO : 1280*1024 / 75Hz;80KHz(OS3:QDI+Anbit)

	Over	Limit	Read	Probe	Cable		
	Freq	Level	Limit	Line	Level	Factor	Loss
	MHz	dBuV	dB	dBuV	dBuV	dB	dB
1	0.189	51.16	-12.93	64.09	50.89	0.22	0.05
2	0.314	42.84	-17.03	59.87	42.65	0.14	0.05
3	0.501	41.23	-14.77	56.00	41.09	0.10	0.04
4	0.879	39.20	-16.80	56.00	39.06	0.10	0.04
5	1.443	36.95	-19.05	56.00	36.78	0.10	0.07
6	5.584	33.12	-26.88	60.00	32.90	0.14	0.08

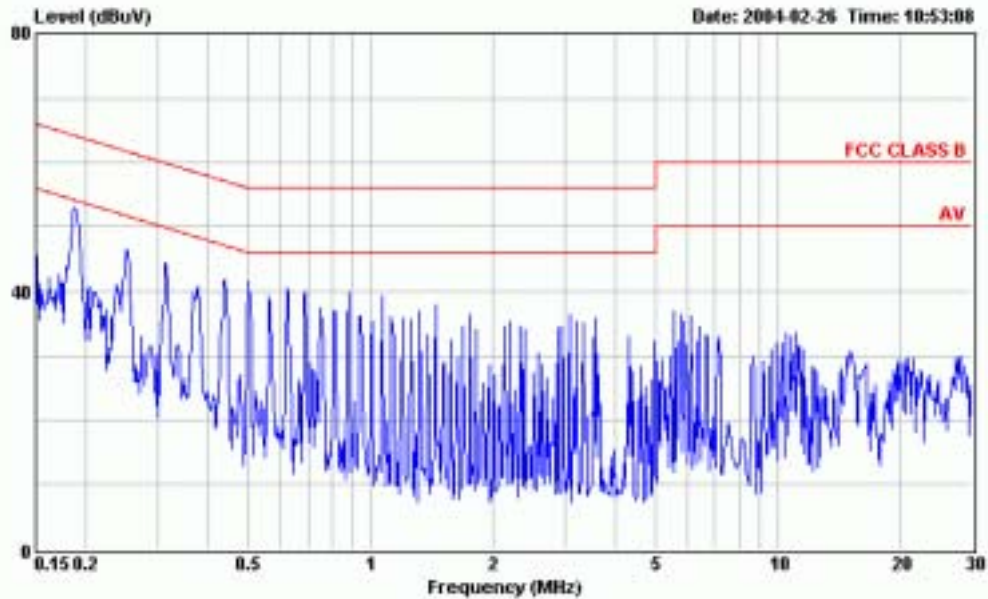
Data#: 30 File#: C:\Philips-EM930120R1.EMI

	Over	Limit	Read	Probe	Cable		
	Freq	Level	Limit	Line	Level	Factor	Loss
	MHz	dBuV	dB	dBuV	dBuV	dB	dB
1	0.189	44.06	-10.03	54.09	43.79	0.22	0.05
2	0.314	40.82	-9.05	49.87	40.63	0.14	0.05
3	0.501	40.67	-5.33	46.00	40.53	0.10	0.04
4	0.879	38.65	-7.35	46.00	38.51	0.10	0.04
5	1.443	34.58	-11.42	46.00	34.41	0.10	0.07
6	5.584	32.12	-17.88	50.00	31.90	0.14	0.08



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Data#: 25 File#: C:\Philips-EM930120R1.EMI



Site : No.4 Shielded room
Condition : FCC CLASS B EN61000-407(S/R4-031127) LINE
EUT : Flat panel color monitor M/N:170B5
POWER : 120Vac / 60Hz(22°C / 59%) (D-SUB)
MEMO : 1280*1024 / 75Hz;80KHz(OS3:QDI+Anbit)

Data#: 26 File#: C:\Philips-EM930120R1.EMI

Date: 2004-02-26 Time: 10:55:07

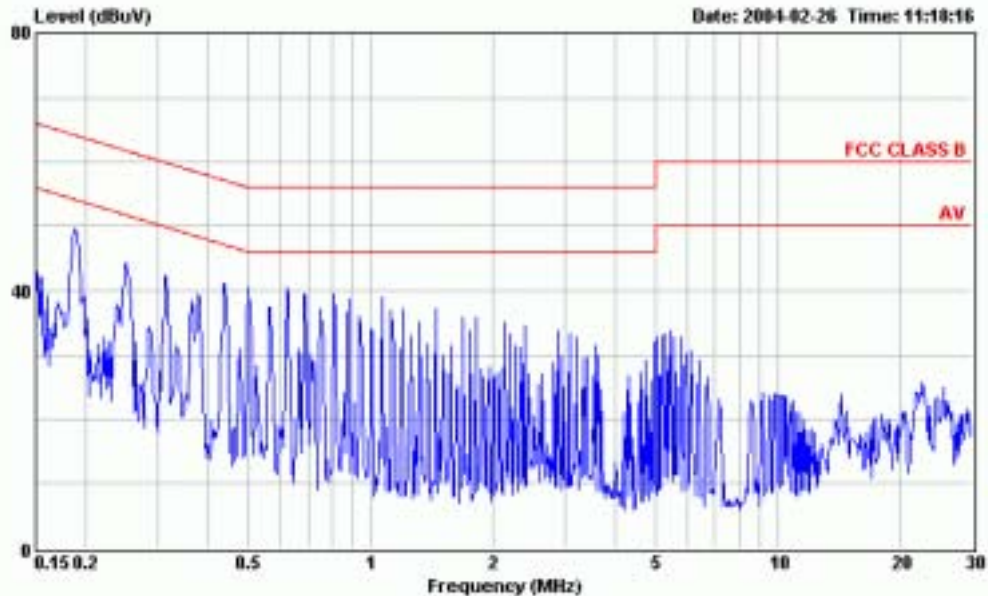
Site : No.4 Shielded room
Condition : FCC CLASS B EN61000-407(S/R4-031127) LINE
EUT : Flat panel color monitor M/N:170B5
POWER : 120Vac / 60Hz(22°C / 59%) (D-SUB)
MEMO : 1280*1024 / 75Hz;80KHz(OS3:QDI+Anbit)

	Over	Limit	Read	Probe	Cable	
Freq	Level	Limit	Line	Level	Factor	Loss
MHz	dBuV	dB	dBuV	dBuV	dB	dB
1	0.186	51.30	-12.91	64.21	51.03	0.23
2	0.313	43.80	-16.09	59.89	43.61	0.14
3	0.500	41.49	-14.51	56.00	41.35	0.10
4	0.880	39.44	-16.56	56.00	39.30	0.10
5	1.441	37.33	-18.67	56.00	37.16	0.10
6	5.584	36.97	-23.03	60.00	36.75	0.14

Data#: 27 File#: C:\Philips-EM930120R1.EMI

	Over	Limit	Read	Probe	Cable	
Freq	Level	Limit	Line	Level	Factor	Loss
MHz	dBuV	dB	dBuV	dBuV	dB	dB
1 !	0.186	44.57	-9.64	54.21	44.30	0.23
2 !	0.313	41.80	-8.09	49.89	41.61	0.14
3 !	0.500	40.85	-5.15	46.00	40.71	0.10
4 !	0.880	39.00	-7.00	46.00	38.86	0.10
5	1.441	34.87	-11.13	46.00	34.70	0.10
6	5.584	35.75	-14.25	50.00	35.53	0.14

Data# : 43 File# : C:\Philips-EM930120R1.EMI



Site : No.4 Shielded room
 Condition : FCC CLASS B EN61000-407(S/R4-031127) NEUTRAL
 EUT : Flat panel color monitor M/N:17085
 POWER : 120Vac / 60Hz(22°C / 59%) (DVI)
 MEMO : 640*480 / 60Hz:31KHz(053:QDI+Ambit)

Data# : 44 File# : C:\Philips-EM930120R1.EMI

Date: 2004-02-26 Time: 11:21:28

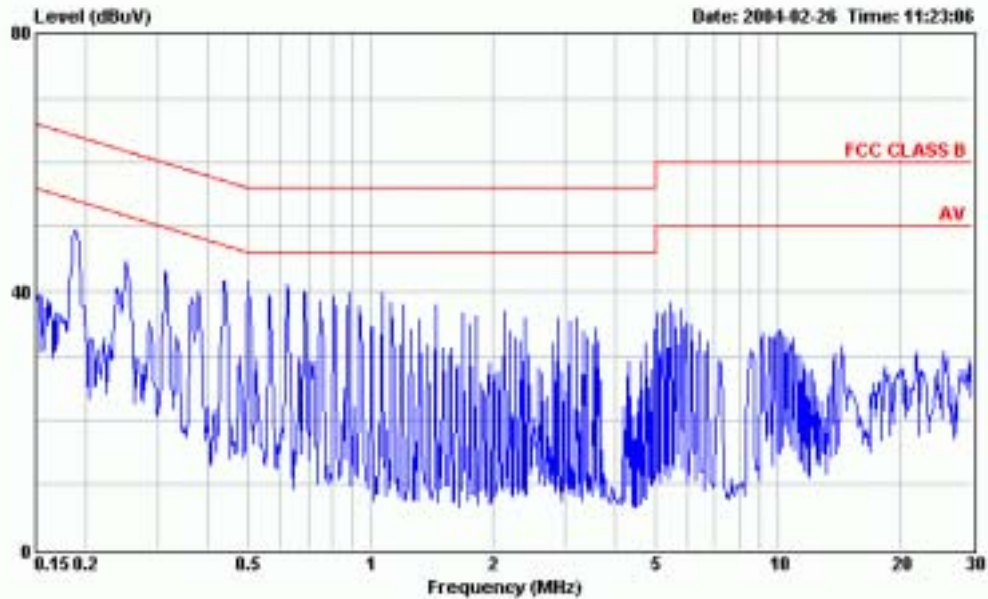
Site : No.4 Shielded room
 Condition : FCC CLASS B EN61000-407(S/R4-031127) NEUTRAL
 EUT : Flat panel color monitor M/N:17085
 POWER : 120Vac / 60Hz(22°C / 59%) (DVI)
 MEMO : 640*480 / 60Hz:31KHz(053:QDI+Ambit)

	Freq	Level	Over Limit	Limit	Read	Probe	Cable	
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	Remark
1	0.187	48.09	-16.09	64.18	47.82	0.22	0.05	QP
2	0.313	41.58	-18.32	59.90	41.39	0.14	0.05	QP
3	0.501	40.95	-15.05	56.00	40.81	0.10	0.04	QP
4	0.876	39.20	-16.80	56.00	39.06	0.10	0.04	QP
5	1.442	36.81	-19.19	56.00	36.64	0.10	0.07	QP
6	5.579	32.76	-27.24	60.00	32.54	0.14	0.08	QP

Data# : 45 File# : C:\Philips-EM930120R1.EMI

	Freq	Level	Over Limit	Limit	Read	Probe	Cable	
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	Remark
1	0.187	43.45	-10.73	54.18	43.18	0.22	0.05	Average
2	0.313	40.98	-8.92	49.90	40.79	0.14	0.05	Average
3	0.501	40.45	-5.55	46.00	40.31	0.10	0.04	Average
4	0.876	38.57	-7.43	46.00	38.43	0.10	0.04	Average
5	1.442	34.54	-11.46	46.00	34.37	0.10	0.07	Average
6	5.579	30.78	-19.22	50.00	30.56	0.14	0.08	Average

Data#: 46 File#: C:\Philips-EM930120R1.EMI



Site : No.4 Shielded room
 Condition : FCC CLASS B EN5407(S/R4-031127) LINE
 EUT : Flat panel color monitor M/N:170B5
 POWER : 120Vac / 60Hz(22°C / 59%) (DVI)
 MEMO : 640*480 / 60Hz;31KHz(OS3:QDI+Ambit)

Data#: 47 File#: C:\Philips-EM930120R1.EMI

Date: 2004-02-26 Time: 11:23:17

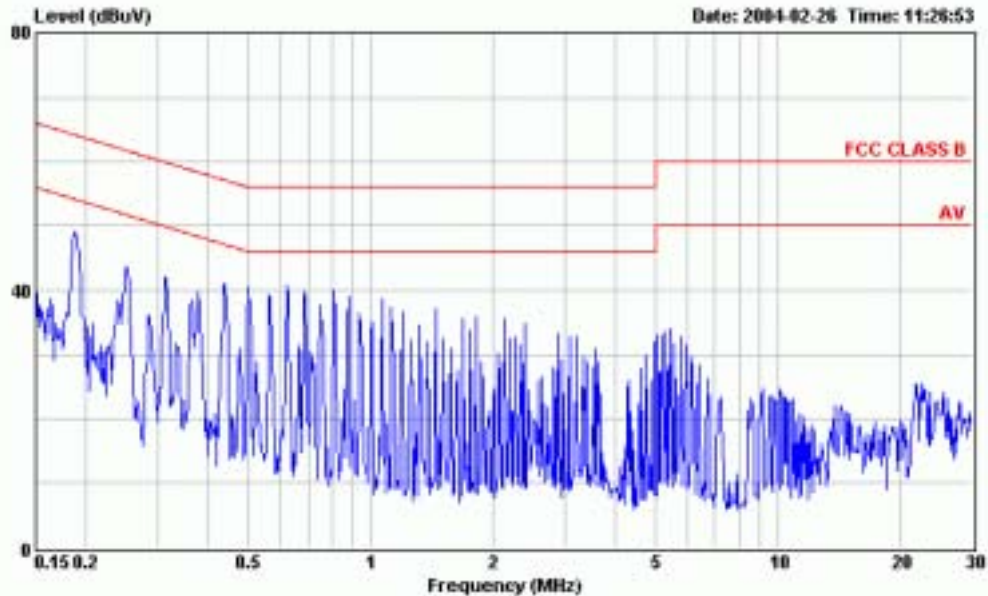
Site : No.4 Shielded room
 Condition : FCC CLASS B EN5407(S/R4-031127) LINE
 EUT : Flat panel color monitor M/N:170B5
 POWER : 120Vac / 60Hz(22°C / 59%) (DVI)
 MEMO : 640*480 / 60Hz;31KHz(OS3:QDI+Ambit)

	Over	Limit	Read	Probe	Cable	
Freq	Level	Limit	Line	Level	Factor	Loss
MHz	dBuV	dB	dBuV	dBuV	dB	dB
1	0.188	48.27	-15.87	64.14	48.00	0.22
2	0.313	42.14	-17.76	59.90	41.95	0.14
3	0.501	41.63	-14.37	56.00	41.49	0.10
4	0.876	39.98	-16.02	56.00	39.84	0.10
5	1.441	37.21	-18.79	56.00	37.04	0.10
6	5.581	37.49	-22.51	60.00	37.27	0.14

Data#: 48 File#: C:\Philips-EM930120R1.EMI

	Over	Limit	Read	Probe	Cable	
Freq	Level	Limit	Line	Level	Factor	Loss
MHz	dBuV	dB	dBuV	dBuV	dB	dB
1	0.188	43.98	-10.16	54.14	43.71	0.22
2	0.313	41.52	-8.38	49.90	41.33	0.14
3	0.501	41.08	-4.92	46.00	40.94	0.10
4	0.876	39.28	-6.72	46.00	39.14	0.10
5	1.441	34.77	-11.23	46.00	34.60	0.10
6	5.581	35.89	-14.11	50.00	35.67	0.14

Data# : 52 File# : C:\Philips-EM930120R1.EMI



Site : No.4 Shielded room
 Condition : FCC CLASS B EN61000-407(S/R4-031127) NEUTRAL
 EUT : Flat panel color monitor M/N:170B5
 POWER : 120Vac / 60Hz(22°C / 59%) (DVI)
 MEMO : 1024*768 / 75Hz;60KHz(OS3:QDI+4mbit)

Data# : 53 File# : C:\Philips-EM930120R1.EMI

Date: 2004-02-26 Time: 11:27:25

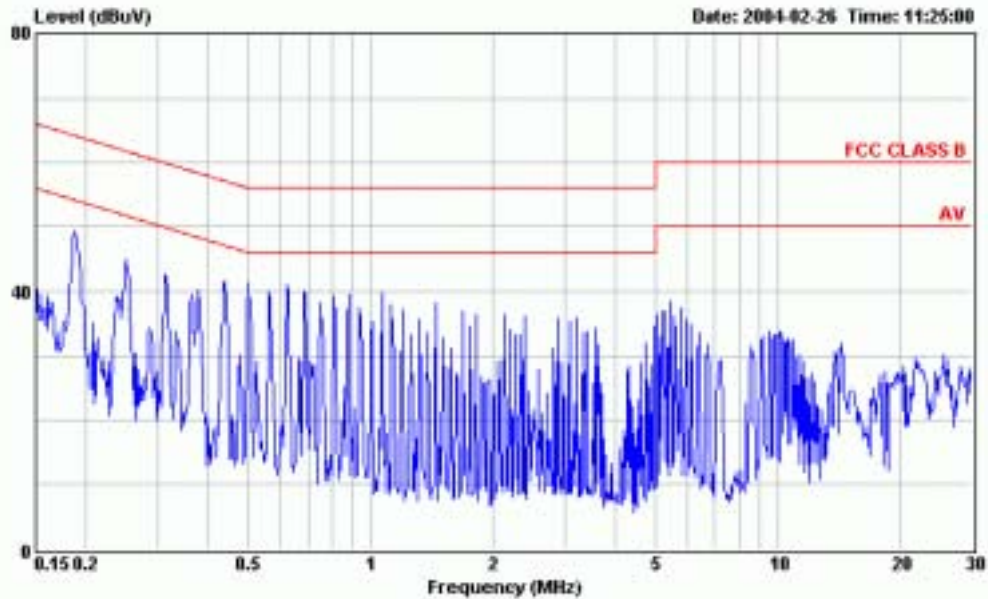
Site : No.4 Shielded room
 Condition : FCC CLASS B EN61000-407(S/R4-031127) NEUTRAL
 EUT : Flat panel color monitor M/N:170B5
 POWER : 120Vac / 60Hz(22°C / 59%) (DVI)
 MEMO : 1024*768 / 75Hz;60KHz(OS3:QDI+4mbit)

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.187	47.79	-16.40	64.19	47.52	0.22	0.05	QP
2	0.314	41.22	-18.65	59.87	41.03	0.14	0.05	QP
3	0.501	40.83	-15.17	56.00	40.69	0.10	0.04	QP
4	0.878	39.04	-16.96	56.00	38.90	0.10	0.04	QP
5	1.443	36.42	-19.58	56.00	36.25	0.10	0.07	QP
6	5.456	33.55	-26.45	60.00	33.35	0.13	0.07	QP

Data# : 54 File# : C:\Philips-EM930120R1.EMI

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.187	43.44	-10.75	54.19	43.17	0.22	0.05	Average
2	0.314	40.58	-9.29	49.87	40.39	0.14	0.05	Average
3	0.501	40.30	-5.70	46.00	40.16	0.10	0.04	Average
4	0.878	38.19	-7.81	46.00	38.05	0.10	0.04	Average
5	1.443	33.61	-12.39	46.00	33.44	0.10	0.07	Average
6	5.456	32.36	-17.64	50.00	32.16	0.13	0.07	Average

Data#: 49 File#: C:\Philips-EM930120R1.EMI



Site : No.4 Shielded room
 Condition : FCC CLASS B ENW-407(S/R4-031127) LINE
 EUT : Flat panel color monitor M/N:17085
 POWER : 120Vac / 60Hz(22°C / 59%) (DVI)
 MEMO : 1024*768 / 75Hz;60KHz(OS3:QDI+4mbit)

Data#: 50 File#: C:\Philips-EM930120R1.EMI

Date: 2004-02-26 Time: 11:25:53

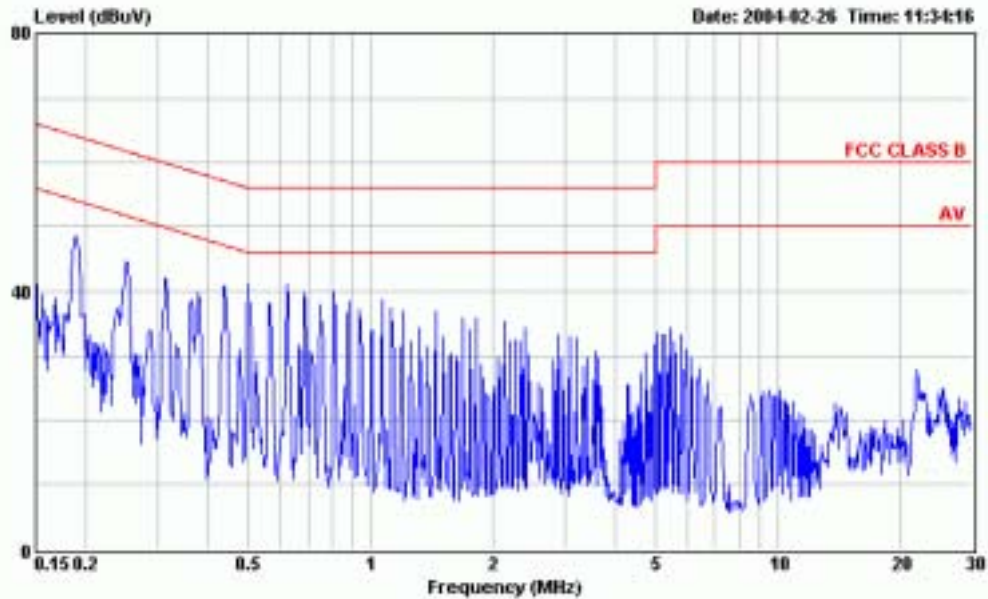
Site : No.4 Shielded room
 Condition : FCC CLASS B ENW-407(S/R4-031127) LINE
 EUT : Flat panel color monitor M/N:17085
 POWER : 120Vac / 60Hz(22°C / 59%) (DVI)
 MEMO : 1024*768 / 75Hz;60KHz(OS3:QDI+4mbit)

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.189	47.91	-16.18	64.09	47.64	0.22	0.05	QP
2	0.311	41.62	-18.31	59.93	41.43	0.14	0.05	QP
3	0.501	41.57	-14.43	56.00	41.43	0.10	0.04	QP
4	0.877	40.07	-15.93	56.00	39.93	0.10	0.04	QP
5	1.442	37.57	-18.43	56.00	37.40	0.10	0.07	QP
6	5.580	37.43	-22.57	60.00	37.21	0.14	0.08	QP

Data#: 51 File#: C:\Philips-EM930120R1.EMI

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.189	43.56	-10.53	54.09	43.29	0.22	0.05	Average
2	0.311	41.01	-8.92	49.93	40.82	0.14	0.05	Average
3	0.501	41.01	-4.99	46.00	40.87	0.10	0.04	Average
4	0.877	39.26	-6.74	46.00	39.12	0.10	0.04	Average
5	1.442	34.84	-11.16	46.00	34.67	0.10	0.07	Average
6	5.580	36.21	-13.79	50.00	35.99	0.14	0.08	Average

Data#: 55 File#: C:\Philips-EM930120R1.EMI



Site : No.4 Shielded room
 Condition : FCC CLASS B EN61000-407(S/R4-031127) NEUTRAL
 EUT : Flat panel color monitor M/N:170B5
 POWER : 120Vac / 60Hz(22°C / 59%) (DVI)
 MEMO : 1280*1024 / 75Hz;80KHz(OS3:QDI+Anbit)

Data#: 56 File#: C:\Philips-EM930120R1.EMI

Date: 2004-02-26 Time: 11:39:20

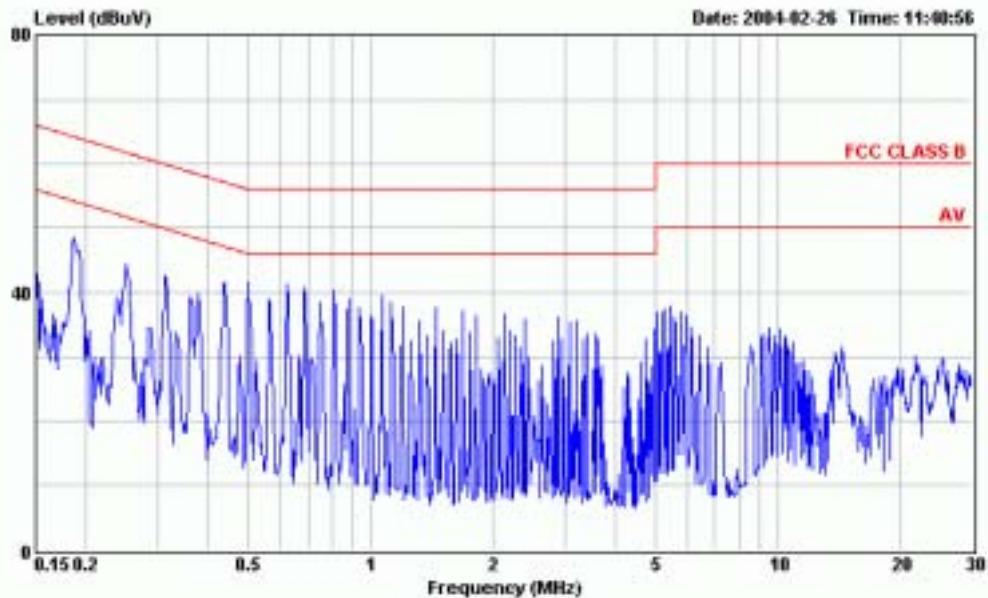
Site : No.4 Shielded room
 Condition : FCC CLASS B EN61000-407(S/R4-031127) NEUTRAL
 EUT : Flat panel color monitor M/N:170B5
 POWER : 120Vac / 60Hz(22°C / 59%) (DVI)
 MEMO : 1280*1024 / 75Hz;80KHz(OS3:QDI+Anbit)

	Freq	Level	Over Limit	Limit	Read	Probe	Cable	
	MHz	dBuV		dB	dBuV	dB	dB	Remark
1	0.187	47.51	-16.67	64.18	47.24	0.22	0.05	QP
2	0.314	41.04	-18.83	59.87	40.85	0.14	0.05	QP
3	0.501	40.77	-15.23	56.00	40.63	0.10	0.04	QP
4	0.879	38.49	-17.51	56.00	38.35	0.10	0.04	QP
5	1.441	36.64	-19.36	56.00	36.47	0.10	0.07	QP
6	5.455	33.78	-26.22	60.00	33.58	0.13	0.07	QP

Data#: 57 File#: C:\Philips-EM930120R1.EMI

	Freq	Level	Over Limit	Limit	Read	Probe	Cable	
	MHz	dBuV		dB	dBuV	dB	dB	Remark
1	0.187	43.34	-10.84	54.18	43.07	0.22	0.05	Average
2	0.314	40.49	-9.38	49.87	40.30	0.14	0.05	Average
3	0.501	40.30	-5.70	46.00	40.16	0.10	0.04	Average
4	0.879	37.74	-8.26	46.00	37.60	0.10	0.04	Average
5	1.441	34.40	-11.60	46.00	34.23	0.10	0.07	Average
6	5.455	32.47	-17.53	50.00	32.27	0.13	0.07	Average

Data# : 58 File# : C:\Philips-EM930120R1.EMI



Site : No.4 Shielded room
 Condition : FCC CLASS B EN61000-407(S/R4-031127) LINE
 EUT : Flat panel color monitor M/N:17085
 POWER : 120Vac / 60Hz(22°C / 59%) (DVI)
 MEMO : 1280*1024 / 75Hz:60KHz(053:QDI+Ambit)

Data# : 59 File# : C:\Philips-EM930120R1.EMI

Date: 2004-02-26 Time: 11:41:37

Site : No.4 Shielded room
 Condition : FCC CLASS B EN61000-407(S/R4-031127) LINE
 EUT : Flat panel color monitor M/N:17085
 POWER : 120Vac / 60Hz(22°C / 59%) (DVI)
 MEMO : 1280*1024 / 75Hz:60KHz(053:QDI+Ambit)

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.188	47.53	-16.57	64.10	47.26	0.22	0.05	QP
2	0.314	41.76	-18.12	59.88	41.57	0.14	0.05	QP
3	0.501	41.65	-14.35	56.00	41.51	0.10	0.04	QP
4	0.878	39.82	-16.18	56.00	39.68	0.10	0.04	QP
5	1.441	37.43	-18.57	56.00	37.26	0.10	0.07	QP
6	5.455	37.56	-22.44	60.00	37.36	0.13	0.07	QP

Data# : 60 File# : C:\Philips-EM930120R1.EMI

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.188	43.53	-10.57	54.10	43.26	0.22	0.05	Average
2	0.314	41.16	-8.72	49.88	40.97	0.14	0.05	Average
3	0.501	41.08	-4.92	46.00	40.94	0.10	0.04	Average
4	0.878	39.03	-6.97	46.00	38.89	0.10	0.04	Average
5	1.441	34.58	-11.42	46.00	34.41	0.10	0.07	Average
6	5.455	36.36	-13.64	50.00	36.16	0.13	0.07	Average

3. RADIATED EMISSION MEASUREMENT

3.1. Test Equipment

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

3.1.1. For 30MHz~1000MHz Frequency (At No. 3 Open Field Test Site)

Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Test Receiver	R & S	ESCS30	100039	Jun.19, 03'	Jun.18, 04'
2.	Biconical Antenna	Chase	VBA6106A	1231	Mar. 19, 03'	Mar. 18, 04'
3.	Log Periodic Antenna	Chase	UPA6109	1027	Mar. 19, 03'	Mar. 18, 04'

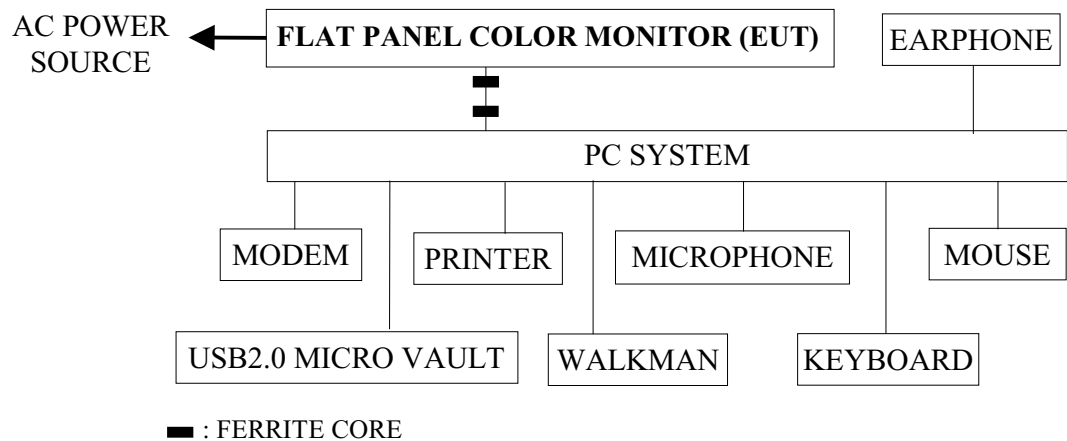
3.1.2. For 1GHz~2GHz Frequency (At No. 5 Open Field Test Site)

Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Spectrum Analyzer	HP	8593EM	3826A00272	Jun. 06, 03'	Jun. 05, 04'
2.	Amplifier	HP	8449B	3008A00529	Jul. 02, 03'	Jul. 01, 04'
3.	Horn Antenna	EMCO	3115	9609-4927	Jul. 04, 03'	Jul. 03, 04'

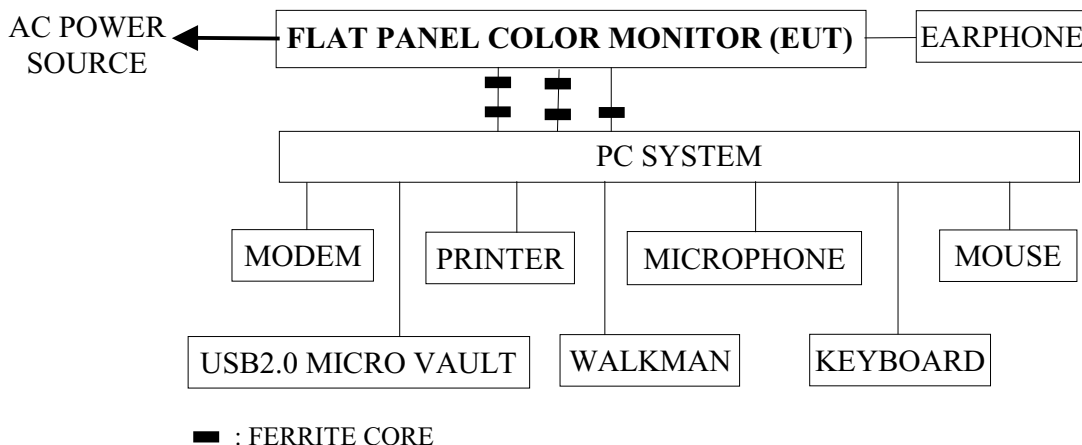
3.2. Block Diagram of Test Setup

3.2.1. Block Diagram of connection between EUT and simulators

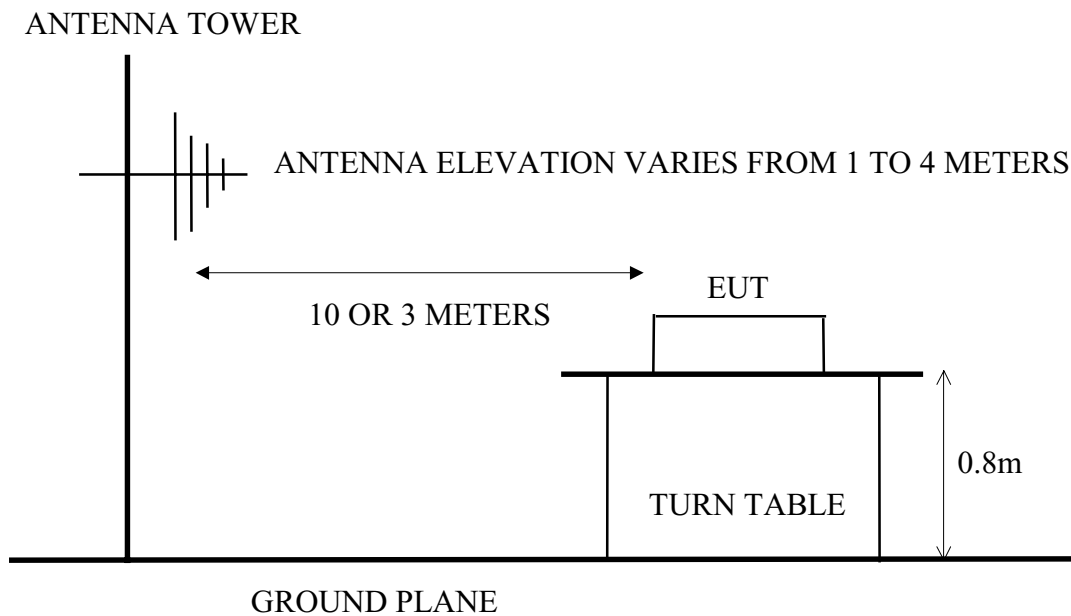
3.2.1.1. Test Model Number: 170S5



3.2.2. Test Model Number: 170B5



3.2.3. Open Field Test Site (10m & 3m) Setup Diagram (10m for 30-1000MHz; 3m for 1GHz-2GHz)



3.3. Radiation Limit (§ 15.109/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 μ V/m)
30 ~ 230	10	30
230 ~ 1000	10	37
Above 1GHz	3	74.0 (Peak)
Above 1GHz	3	54.0 (Average)

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

3.4. EUT's Configuration during Compliance Measurement

The configuration of EUT and its 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) 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 CISPR 22 and ANSI C63.4-2001 on radiated measurement.

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

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

The frequency range from 30MHz to 2GHz was checked.

For 30-1000MHz frequency range, EUT (Flat Panel Color Monitor, M/N (1)170S5 (2)170B5) with test voltage of AC 120V/60Hz and with the following test modes were performed during radiated testing at No. 3 open test site, all the test results are listed in section 3.7.1.

(※worst test mode)

Mode.	Model No./Serial No.	Inverter Board	Data Cable	Frequency Resolution
1.	170S5 (TY0404048)	LC	D-SUB	640*480/60Hz, 31kHz
※ 2.				1024*768/75Hz, 60kHz
3.				1280*1024/75Hz, 80kHz
4.	170B5 (TY0404053)	Ambit	D-SUB	640*480/60Hz, 31kHz
5.				1024*768/75Hz, 60kHz
※ 6.				1280*1024/75Hz, 80kHz
7.			DVI	640*480/60Hz, 31kHz
8.				1024*768/75Hz, 60kHz
9.				1280*1024/75Hz, 80kHz

For 1-2GHz frequency range, the **test mode 3 & mode 6** were selected and measured within No. 5 open test site 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 10 meters distance measurement.

(At No. 3 open test site)

Date of Test : Feb. 26, 2004 Temperature : 20°C

EUT : Flat Panel Color Monitor, M/N: 170S5 Humidity : 51%

Test Mode : 640*480/60Hz, 31kHz, (Inverter: LC, D-SUB Cable)

Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading Horizontal dBμV	Emission Level Horizontal dBμV/m	Limits dBμV/m	Margin dB
64.743	12.07	1.60	6.49	20.16	30.00	9.84
129.492	19.39	2.20	0.54	22.13	30.00	7.87
161.867	20.62	2.40	-1.67	21.35	30.00	8.65
194.241	20.63	2.70	-1.69	21.64	30.00	8.36
226.615	21.81	3.20	-2.23	22.78	30.00	7.22
258.990	22.42	3.40	-1.69	24.13	37.00	12.87
323.739	14.37	3.60	10.39	28.36	37.00	8.64
356.113	15.02	3.90	8.21	27.13	37.00	9.87
453.237	16.63	4.60	4.96	26.19	37.00	10.81
550.360	19.64	5.10	1.91	26.65	37.00	10.35
647.484	20.54	5.60	-0.17	25.97	37.00	11.03
712.233	21.06	6.00	0.24	27.30	37.00	9.70
874.106	24.14	6.80	-0.82	30.12	37.00	6.88

Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading Vertical dBμV	Emission Level Vertical dBμV/m	Limits dBμV/m	Margin dB
64.743	13.31	1.60	6.54	21.45	30.00	8.55
129.492	18.56	2.20	1.46	22.22	30.00	7.78
161.867	19.95	2.40	-1.68	20.67	30.00	9.33
194.241	22.00	2.70	-1.92	22.78	30.00	7.22
226.612	20.78	3.20	-0.48	23.50	30.00	6.50
258.997	22.47	3.40	-0.83	25.04	37.00	11.96
323.738	14.58	3.60	9.79	27.97	37.00	9.03
356.112	15.99	3.90	6.38	26.27	37.00	10.73
453.237	17.54	4.60	3.90	26.04	37.00	10.96
550.360	19.73	5.10	1.67	26.50	37.00	10.50
679.859	21.52	5.80	-1.59	25.73	37.00	11.27
878.540	23.68	6.80	-0.09	30.39	37.00	6.61

- Remark :
1. All readings are Quasi-Peak values.
 2. Emission Level= Antenna Factor + Cable Loss + Meter Reading.

Date of Test : Feb. 26, 2004 Temperature : 20°C

EUT : Flat Panel Color Monitor, M/N: 170S5 Humidity : 51%

Test Mode : 1024*768/75Hz, 60kHz, (Inverter: LC, D-SUB Cable)

Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading		Emission Level		Margin dB
			Horizontal dBμV		Horizontal dBμV/m	Limits dBμV/m	
44.608	16.46	1.20	0.87		18.53	30.00	11.47
118.700	18.75	2.10	1.84		22.69	30.00	7.31
131.049	19.50	2.20	2.46		24.16	30.00	5.84
168.097	20.52	2.60	-1.07		22.05	30.00	7.95
192.794	20.87	2.80	-0.65		23.02	30.00	6.98
229.842	21.72	3.00	-0.74		23.98	30.00	6.02
376.452	15.51	4.00	7.70		27.21	37.00	9.79
425.848	16.45	4.40	4.28		25.13	37.00	11.87
521.777	18.77	5.00	2.69		26.46	37.00	10.54
648.130	20.54	5.60	2.94		29.08	37.00	7.92
* 744.058	21.56	6.00	5.12		32.68	37.00	4.32
818.152	22.53	6.60	0.13		29.26	37.00	7.74

- Remark :
1. All readings are Quasi-Peak values.
 2. Emission Level= Antenna Factor + Cable Loss + Meter Reading.
 3. “*” The worst emission was detected at 744.058MHz with corrected signal level of 32.68dBμV/m (limit was 37dBμV/m) when the antenna was at horizontal polarization and was at 4m high and the turn table was at 325°.
 4. 0° is the table front facing the antenna. Degree is calculated from 0° clockwise facing the antenna.

Date of Test : Feb. 26, 2004 Temperature : 20°C

EUT : Flat Panel Color Monitor, M/N: 170S5 Humidity : 51%

Test Mode : 1024*768/75Hz, 60kHz, (Inverter: LC, D-SUB Cable)

Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading		Emission Level		Margin dB
			Vertical dBμV		Vertical dBμV/m	Limits dBμV/m	
56.960	14.61	1.40	5.06		21.07	30.00	8.93
118.705	19.49	2.10	0.93		22.52	30.00	7.48
133.346	19.22	2.20	2.47		23.89	30.00	6.11
168.101	19.90	2.60	-0.05		22.45	30.00	7.55
* 192.020	22.27	2.80	-0.53		24.54	30.00	5.46
229.846	20.24	3.00	-0.73		22.51	30.00	7.49
384.035	16.49	4.20	6.56		27.25	37.00	9.75
408.040	16.84	4.30	6.38		27.52	37.00	9.48
521.780	19.16	5.00	3.68		27.84	37.00	9.16
648.054	20.47	5.60	1.87		27.94	37.00	9.06
744.062	21.89	6.00	3.37		31.26	37.00	5.74
793.458	22.70	6.20	-0.68		28.22	37.00	8.78

- Remark :
1. All readings are Quasi-Peak values.
 2. Emission Level= Antenna Factor + Cable Loss + Meter Reading.
 3. “*” The worst emission was detected at 192.020MHz with corrected signal level of 24.54dBμV/m (limit was 30dBμV/m) when the antenna was at vertical polarization and was at 1m high and the turn table was at 225°.
 4. 0° is the table front facing the antenna. Degree is calculated from 0° clockwise facing the antenna.

Date of Test : Feb. 26, 2004 Temperature : 20°C

EUT : Flat Panel Color Monitor, M/N: 170S5 Humidity : 51%

Test Mode : 1280*1024/75Hz, 80kHz, (Inverter: LC, D-SUB Cable)

Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading Horizontal dB μ V	Emission Level Horizontal dB μ V/m	Limits dB μ V/m	Margin dB
123.453	19.01	2.20	1.20	22.41	30.00	7.59
148.154	19.98	2.40	-0.95	21.43	30.00	8.57
172.852	20.71	2.50	-1.52	21.69	30.00	8.31
197.553	20.71	2.85	-1.50	22.06	30.00	7.94
234.598	21.93	3.00	-1.72	23.21	37.00	13.79
283.993	23.77	3.60	-2.89	24.48	37.00	12.52
313.645	13.87	3.60	9.51	26.98	37.00	10.02
375.390	15.45	4.00	6.77	26.22	37.00	10.78
449.484	16.69	4.40	3.92	25.01	37.00	11.99
548.276	19.63	5.10	2.33	27.06	37.00	9.94
634.719	20.26	5.60	0.21	26.07	37.00	10.93
733.511	21.20	6.00	-0.23	26.97	37.00	10.03

Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading Vertical dB μ V	Emission Level Vertical dB μ V/m	Limits dB μ V/m	Margin dB
41.995	18.54	1.20	0.96	20.70	30.00	9.30
117.180	19.46	2.00	-0.92	20.54	30.00	9.46
137.665	19.00	2.40	0.59	21.99	30.00	8.01
148.930	20.62	2.40	-2.16	20.86	30.00	9.14
197.550	21.63	2.85	-2.37	22.11	30.00	7.89
244.100	20.99	3.20	-1.86	22.33	37.00	14.67
261.802	22.56	3.40	-0.32	25.64	37.00	11.36
313.644	14.05	3.60	10.88	28.53	37.00	8.47
363.040	15.81	4.00	6.34	26.15	37.00	10.85
412.436	16.60	4.20	5.33	26.13	37.00	10.87
486.530	18.29	4.80	0.32	23.41	37.00	13.59
548.275	19.72	5.10	1.37	26.19	37.00	10.81
647.067	20.37	5.60	1.23	27.20	37.00	9.80
733.510	21.41	6.00	-0.15	27.26	37.00	9.74

- Remark :
1. All readings are Quasi-Peak values.
 2. Emission Level= Antenna Factor + Cable Loss + Meter Reading.

Date of Test : Feb. 26, 2004 Temperature : 20°C

EUT : Flat Panel Color Monitor, M/N: 170B5 Humidity : 51%

Test Mode : 640*480/60Hz, 31kHz, (Inverter: Ambit, D-SUB Cable)

Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading Horizontal dB μ V	Emission Level Horizontal dB μ V/m	Limits dB μ V/m	Margin dB
119.803	18.75	2.20	0.66	21.61	30.00	8.39
132.150	19.59	2.20	-1.10	20.69	30.00	9.31
156.849	20.15	2.40	0.04	22.59	30.00	7.41
181.547	20.89	2.60	-1.96	21.53	30.00	8.47
218.591	21.36	3.00	-3.38	20.98	30.00	9.02
255.640	22.58	3.20	-0.52	25.26	37.00	11.74
316.275	13.83	3.70	9.41	26.94	37.00	10.06
400.000	16.44	4.20	5.91	26.55	37.00	10.45
425.723	16.45	4.40	8.72	29.57	37.00	7.43
576.130	20.19	5.20	3.05	28.44	37.00	8.56
675.010	20.99	5.80	6.53	33.32	37.00	3.68
787.499	22.28	6.40	-1.66	27.02	37.00	9.98
810.010	22.71	6.40	-0.71	28.40	37.00	8.60
945.010	24.66	7.00	0.35	32.01	37.00	4.99

Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading Vertical dB μ V	Emission Level Vertical dB μ V/m	Limits dB μ V/m	Margin dB
119.806	19.30	2.20	-0.34	21.16	30.00	8.84
144.502	20.39	2.20	-1.16	21.43	30.00	8.57
169.202	20.14	2.50	-0.88	21.76	30.00	8.24
206.247	21.57	3.00	-1.60	22.97	30.00	7.03
230.947	20.25	3.00	-0.39	22.86	37.00	14.14
267.994	22.68	3.20	-1.09	24.79	37.00	12.21
315.997	14.02	3.70	9.64	27.36	37.00	9.64
426.000	17.06	4.40	4.49	25.95	37.00	11.05
571.476	20.32	5.40	2.37	28.09	37.00	8.91
675.010	21.09	5.80	3.56	30.45	37.00	6.55
810.001	22.70	6.40	-0.73	28.37	37.00	8.63
945.011	24.57	7.00	-1.38	30.19	37.00	6.81

- Remark :
1. All readings are Quasi-Peak values.
 2. Emission Level= Antenna Factor + Cable Loss + Meter Reading.

Date of Test : Feb. 26, 2004 Temperature : 20°C

EUT : Flat Panel Color Monitor, M/N: 170B5 Humidity : 51%

Test Mode : 1024*768/75Hz, 60kHz, (Inverter: Ambit, D-SUB Cable)

Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading Horizontal dBμV	Emission Level Horizontal dBμV/m	Limits dBμV/m	Margin dB
113.807	18.48	2.20	0.68	21.36	30.00	8.64
142.430	20.01	2.40	-1.21	21.20	30.00	8.80
161.511	20.62	2.40	-1.02	22.00	30.00	8.00
190.135	20.66	2.80	-1.77	21.69	30.00	8.31
209.217	20.78	3.00	-1.53	22.25	30.00	7.75
237.841	21.90	3.20	-1.09	24.01	37.00	12.99
387.990	16.16	4.00	8.75	28.91	37.00	8.09
426.154	16.45	4.40	5.94	26.79	37.00	10.21
483.400	17.84	4.80	2.13	24.77	37.00	12.23
521.564	18.77	5.00	3.63	27.40	37.00	9.60
664.679	20.63	5.80	-0.15	26.28	37.00	10.72
741.007	21.53	6.00	-0.51	27.02	37.00	9.98

Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading Vertical dBμV	Emission Level Vertical dBμV/m	Limits dBμV/m	Margin dB
78.350	13.63	1.80	6.12	21.55	30.00	8.45
113.350	18.51	2.20	-0.28	20.43	30.00	9.57
122.600	19.28	2.20	-0.63	20.85	30.00	9.15
142.431	19.72	2.40	-0.78	21.34	30.00	8.66
190.136	22.05	2.80	-2.81	22.04	30.00	7.96
215.066	21.21	2.80	-3.00	21.01	30.00	8.99
228.300	20.41	3.20	-1.51	22.10	30.00	7.90
378.450	16.02	4.20	8.59	28.81	37.00	8.19
426.155	17.06	4.40	3.99	25.45	37.00	11.55
464.319	18.08	4.60	2.76	25.44	37.00	11.56
559.729	20.22	5.20	2.22	27.64	37.00	9.36
626.516	19.94	5.60	1.91	27.45	37.00	9.55
750.549	22.25	6.20	0.68	29.13	37.00	7.87

- Remark :
1. All readings are Quasi-Peak values.
 2. Emission Level= Antenna Factor + Cable Loss + Meter Reading.

Date of Test : Feb. 26, 2004 Temperature : 20°C

EUT : Flat Panel Color Monitor, M/N: 170B5 Humidity : 51%

Test Mode : 1280*1024/75Hz, 80kHz, (Inverter: Ambit, D-SUB Cable)

Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading		Emission Level		Margin dB
			Horizontal dBμV		Horizontal dBμV/m	Limits dBμV/m	
* 119.929	18.82	2.20	1.97		22.99	30.00	7.01
133.572	19.66	2.20	-0.99		20.87	30.00	9.13
160.867	20.62	2.40	-0.65		22.37	30.00	7.63
201.808	20.64	2.80	-0.98		22.46	30.00	7.54
242.748	22.10	3.20	-0.48		24.82	37.00	12.18
283.690	23.79	3.40	-2.27		24.92	37.00	12.08
371.042	15.44	4.00	9.59		29.03	37.00	7.97
425.630	16.45	4.40	5.75		26.60	37.00	10.40
534.806	18.86	5.00	2.64		26.50	37.00	10.50
603.041	20.46	5.40	0.17		26.03	37.00	10.97
674.988	20.99	5.80	1.46		28.25	37.00	8.75
755.985	22.42	6.30	0.72		29.44	37.00	7.56

- Remark :
1. All readings are Quasi-Peak values.
 2. Emission Level= Antenna Factor + Cable Loss + Meter Reading.
 3. "*" The worst emission was detected at 119.929MHz with corrected signal level of 22.99dBμV/m (limit was 30dBμV/m) when the antenna was at horizontal polarization and was at 4m high and the turn table was at 345°.
 4. 0° is the table front facing the antenna. Degree is calculated from 0° clockwise facing the antenna.

Date of Test : Feb. 26, 2004 Temperature : 20°C

EUT : Flat Panel Color Monitor, M/N: 170B5 Humidity : 51%

Test Mode : 1280*1024/75Hz, 80kHz, (Inverter: Ambit, D-SUB Cable)

Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading		Emission Level		Margin dB
			Vertical dBμV		Vertical dBμV/m	Limits dBμV/m	
51.700	14.70	1.40	5.43		21.53	30.00	8.47
* 116.380	19.43	2.00	7.32		28.75	30.00	1.25
152.135	20.90	2.40	4.49		27.79	30.00	2.21
195.567	21.73	2.75	-2.23		22.25	30.00	7.75
214.750	21.21	2.80	3.99		28.00	30.00	2.00
250.155	21.89	3.20	2.00		27.09	37.00	9.91
343.748	14.97	3.80	10.62		29.39	37.00	7.61
425.627	17.06	4.40	6.48		27.94	37.00	9.06
534.805	19.09	5.00	3.55		27.64	37.00	9.36
603.038	20.66	5.40	0.15		26.21	37.00	10.79
674.990	21.09	5.80	1.55		28.44	37.00	8.56
755.985	22.17	6.30	0.94		29.41	37.00	7.59

- Remark :
1. All readings are Quasi-Peak values.
 2. Emission Level= Antenna Factor + Cable Loss + Meter Reading.
 3. “*” The worst emission was detected at 116.380MHz with corrected signal level of 28.75dBμV/m (limit was 30dBμV/m) when the antenna was at vertical polarization and was at 1m high and the turn table was at 90°.
 4. 0° is the table front facing the antenna. Degree is calculated from 0° clockwise facing the antenna.

Date of Test : Feb. 26, 2004 Temperature : 20°C

EUT : Flat Panel Color Monitor, M/N: 170B5 Humidity : 51%

Test Mode : 640*480/60Hz, 31kHz, (Inverter: Ambit, DVI Cable)

Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading Horizontal dBμV	Emission Level Horizontal dBμV/m	Limits dBμV/m	Margin dB
117.120	18.30	2.00	1.61	21.91	30.00	8.09
145.744	19.91	2.40	-0.11	22.20	30.00	7.80
164.824	20.51	2.60	-2.03	21.08	30.00	8.92
193.447	20.83	2.80	-1.87	21.76	30.00	8.24
226.531	21.81	3.20	-2.17	22.84	30.00	7.16
236.551	21.97	3.10	2.87	27.94	37.00	9.06
323.738	14.37	3.60	10.05	28.02	37.00	8.98
393.757	16.54	4.20	8.07	28.81	37.00	8.19
424.999	16.45	4.40	5.17	26.02	37.00	10.98
529.950	18.78	5.00	2.72	26.50	37.00	10.50
615.819	20.33	5.60	1.20	27.13	37.00	9.87
787.500	22.28	6.40	1.66	30.34	37.00	6.66

Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading Vertical dBμV	Emission Level Vertical dBμV/m	Limits dBμV/m	Margin dB
117.120	19.46	2.00	0.65	22.11	30.00	7.89
140.890	19.24	2.40	-0.24	21.40	30.00	8.60
155.284	20.36	2.50	-1.19	21.67	30.00	8.33
193.448	22.08	2.80	-1.77	23.11	30.00	6.89
226.617	20.78	3.20	0.32	24.30	30.00	5.70
236.250	20.27	3.10	3.02	26.39	37.00	10.61
323.738	14.58	3.60	11.05	29.23	37.00	7.77
356.000	15.99	3.90	6.82	26.71	37.00	10.29
425.500	17.06	4.40	5.97	27.43	37.00	9.57
459.997	17.64	4.70	2.90	25.24	37.00	11.76
558.531	20.01	5.20	1.60	26.81	37.00	10.19
663.482	20.80	5.80	0.91	27.51	37.00	9.49
787.508	22.23	6.40	1.63	30.26	37.00	6.74

- Remark :
1. All readings are Quasi-Peak values.
 2. Emission Level= Antenna Factor + Cable Loss + Meter Reading.

Date of Test : Feb. 26, 2004 Temperature : 20°C

EUT : Flat Panel Color Monitor, M/N: 170B5 Humidity : 51%

Test Mode : 1024*768/75Hz, 60kHz, (Inverter: Ambit, DVI Cable)

Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading Horizontal dB μ V	Emission Level Horizontal dB μ V/m	Limits dB μ V/m	Margin dB
119.327	18.67	2.20	0.08	20.95	30.00	9.05
132.541	19.61	2.20	-1.84	19.97	30.00	10.03
152.277	20.10	2.40	-1.69	20.81	30.00	9.19
213.420	21.07	2.80	-3.18	20.69	30.00	9.31
240.714	21.95	3.20	-2.60	22.55	37.00	14.45
350.659	15.16	3.80	9.59	28.55	37.00	8.45
391.600	16.13	4.20	7.01	27.34	37.00	9.66
432.541	16.61	4.40	6.31	27.32	37.00	9.68
555.364	19.97	5.20	0.44	25.61	37.00	11.39
637.246	20.27	5.60	0.05	25.92	37.00	11.08
732.775	21.20	6.00	-0.35	26.85	37.00	10.15

Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading Vertical dB μ V	Emission Level Vertical dB μ V/m	Limits dB μ V/m	Margin dB
112.365	17.99	2.00	6.01	26.00	30.00	4.00
138.497	18.92	2.40	1.14	22.46	30.00	7.54
152.144	20.90	2.40	2.52	25.82	30.00	4.18
186.123	21.36	2.60	-2.55	21.41	30.00	8.59
213.417	21.49	2.80	0.73	25.02	30.00	4.98
240.713	20.64	3.20	3.40	27.24	37.00	9.76
330.717	14.76	3.80	9.06	27.62	37.00	9.38
412.597	16.60	4.20	5.72	26.52	37.00	10.48
521.775	19.16	5.00	2.44	26.60	37.00	10.40
658.243	20.66	5.60	0.03	26.29	37.00	10.71
726.480	21.24	6.00	0.56	27.80	37.00	9.20

- Remark :
1. All readings are Quasi-Peak values.
 2. Emission Level= Antenna Factor + Cable Loss + Meter Reading.

Date of Test : Feb. 26, 2004 Temperature : 20°C

EUT : Flat Panel Color Monitor, M/N: 170B5 Humidity : 51%

Test Mode : 1280*1024/75Hz, 80kHz, (Inverter: Ambit, DVI Cable)

Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading Horizontal dBμV	Emission Level Horizontal dBμV/m	Limits dBμV/m	Margin dB
118.660	18.75	2.10	-2.91	17.94	30.00	12.06
159.601	20.29	2.40	-2.41	20.28	30.00	9.72
186.895	20.86	2.65	-2.49	21.02	30.00	8.98
214.191	21.18	2.80	-3.19	20.79	30.00	9.21
255.133	22.58	3.20	-2.25	23.53	37.00	13.47
361.105	14.90	4.00	10.64	29.54	37.00	7.46
442.988	16.67	4.40	6.41	27.48	37.00	9.52
538.516	19.25	5.10	1.20	25.55	37.00	11.45
674.990	20.99	5.80	-0.07	26.72	37.00	10.28
755.984	22.42	6.30	0.10	28.82	37.00	8.18

Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading Vertical dBμV	Emission Level Vertical dBμV/m	Limits dBμV/m	Margin dB
112.250	17.99	2.00	5.80	25.79	30.00	4.21
123.880	18.95	2.20	2.40	23.55	30.00	6.45
151.775	20.89	2.40	2.25	25.54	30.00	4.46
186.896	21.26	2.65	-2.50	21.41	30.00	8.59
214.190	21.35	2.80	1.84	25.99	30.00	4.01
255.131	22.33	3.20	-2.09	23.44	37.00	13.56
361.106	15.56	4.00	8.71	28.27	37.00	8.73
456.635	17.88	4.50	4.87	27.25	37.00	9.75
524.873	19.31	5.00	1.50	25.81	37.00	11.19
579.459	20.15	5.20	0.63	25.98	37.00	11.02
674.990	21.09	5.80	-0.07	26.82	37.00	10.18
755.983	22.17	6.30	-0.94	27.53	37.00	9.47

- Remark :
1. All readings are Quasi-Peak values.
 2. Emission Level= Antenna Factor + Cable Loss + Meter Reading.

3.7.2. 1GHz-2GHz frequency and 3 meters distance measurement.
(At No. 5 open test site)

Date of Test : Feb. 27, 2004 Temperature : 21°C

EUT : Flat Panel Color Monitor, M/N: 170S5 Humidity : 61%

Test Mode : 1280*1024/75Hz, 80kHz, (Inverter: LC, D-SUB Cable)

Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading Horizontal dB μ V	Emission Level Horizontal dB μ V/m	(Peak) Limits dB μ V/m	Margin dB
1027.000	24.69	2.41	11.17	38.27	74.00	35.73
1141.000	25.02	2.45	12.75	40.22	74.00	33.78
1250.000	25.31	2.50	9.51	37.32	74.00	36.68
1461.000	25.80	2.81	10.82	39.43	74.00	34.57
1642.000	26.17	3.35	9.92	39.44	74.00	34.56
1753.000	26.38	3.68	7.67	37.73	74.00	36.27

Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading Vertical dB μ V	Emission Level Vertical dB μ V/m	(Peak) Limits dB μ V/m	Margin dB
1027.000	24.69	2.41	13.73	40.83	74.00	33.17
1141.000	25.02	2.45	11.21	38.68	74.00	35.32
1250.000	25.31	2.50	11.31	39.12	74.00	34.88
1461.000	25.80	2.81	13.98	42.59	74.00	31.41
1642.000	26.17	3.35	10.31	39.83	74.00	34.17
1753.000	26.38	3.68	10.13	40.19	74.00	33.81

- Remark :
1. All readings are Peak values.
 2. Emission Level = Antenna Factor + Cable Loss + Meter Reading.

Date of Test : Feb. 27, 2004 Temperature : 21°C

EUT : Flat Panel Color Monitor, M/N: 170S5 Humidity : 61%

Test Mode : 1280*1024/75Hz, 80kHz, (Inverter: LC, D-SUB Cable)

Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading	Emission Level (Average)		Margin dB
			Horizontal dB μ V	Horizontal dB μ V/m	Limits dB μ V/m	
1027.000	24.69	2.41	4.73	31.83	54.00	22.17
1141.000	25.02	2.45	4.47	31.94	54.00	22.06
1250.000	25.31	2.50	5.73	33.54	54.00	20.46
1461.000	25.80	2.81	2.42	31.03	54.00	22.97
1642.000	26.17	3.35	6.03	35.55	54.00	18.45
1753.000	26.38	3.68	2.44	32.50	54.00	21.50

Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading	Emission Level (Average)		Margin dB
			Vertical dB μ V	Vertical dB μ V/m	Limits dB μ V/m	
1027.000	24.69	2.41	7.30	34.40	54.00	19.60
1141.000	25.02	2.45	5.96	33.43	54.00	20.57
1250.000	25.31	2.50	2.90	30.71	54.00	23.29
1461.000	25.80	2.81	3.93	32.54	54.00	21.46
1642.000	26.17	3.35	3.33	32.85	54.00	21.15
1753.000	26.38	3.68	1.44	31.50	54.00	22.50

- Remark :
1. All readings are Average values.
 2. Emission Level = Antenna Factor + Cable Loss + Meter Reading.

Date of Test : Feb. 27, 2004 Temperature : 21°C

EUT : Flat Panel Color Monitor, M/N: 170B5 Humidity : 61%

Test Mode : 1280*1024/75Hz, 80kHz, (Inverter: Ambit, D-SUB Cable)

Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading Horizontal dB μ V	Emission Level Horizontal dB μ V/m	(Peak) Limits dB μ V/m	Margin dB
1132.000	24.99	2.44	13.87	41.30	74.00	32.70
1243.000	25.29	2.49	11.69	39.47	74.00	34.53
1471.000	25.83	2.82	10.64	39.29	74.00	34.71
1639.000	26.17	3.34	11.81	41.32	74.00	32.68
1703.000	26.29	3.53	9.10	38.92	74.00	35.08
1882.000	26.61	3.85	8.06	38.52	74.00	35.48

Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading Vertical dB μ V	Emission Level Vertical dB μ V/m	(Peak) Limits dB μ V/m	Margin dB
1132.000	24.99	2.44	11.17	38.60	74.00	35.40
1243.000	25.29	2.49	12.89	40.67	74.00	33.33
1471.000	25.83	2.82	13.92	42.57	74.00	31.43
1639.000	26.17	3.34	9.88	39.39	74.00	34.61
1703.000	26.29	3.53	9.38	39.20	74.00	34.80
1882.000	26.61	3.85	11.22	41.68	74.00	32.32

- Remark :
1. All readings are Peak values.
 2. Emission Level = Antenna Factor + Cable Loss + Meter Reading.

Date of Test : Feb. 27, 2004 Temperature : 21°C

EUT : Flat Panel Color Monitor, M/N: 170B5 Humidity : 61%

Test Mode : 1280*1024/75Hz, 80kHz, (Inverter: Ambit, D-SUB Cable)

Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading Horizontal dBμV	Emission Level Horizontal dBμV/m	(Average) Limits dBμV/m	Margin dB
1132.000	24.99	2.44	5.74	33.17	54.00	20.83
1243.000	25.29	2.49	5.05	32.83	54.00	21.17
1471.000	25.83	2.82	3.92	32.57	54.00	21.43
1639.000	26.17	3.34	2.80	32.31	54.00	21.69
1703.000	26.29	3.53	1.75	31.57	54.00	22.43
1882.000	26.61	3.85	2.09	32.55	54.00	21.45

Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading Vertical dBμV	Emission Level Vertical dBμV/m	(Average) Limits dBμV/m	Margin dB
1132.000	24.99	2.44	6.45	33.88	54.00	20.12
1243.000	25.29	2.49	5.16	32.94	54.00	21.06
1471.000	25.83	2.82	5.78	34.43	54.00	19.57
1639.000	26.17	3.34	4.01	33.52	54.00	20.48
1703.000	26.29	3.53	3.04	32.86	54.00	21.14
1882.000	26.61	3.85	2.80	33.26	54.00	20.74

- Remark :
1. All readings are Average values.
 2. Emission Level = Antenna Factor + Cable Loss + Meter Reading.

4. DEVIATION TO TEST SPECIFICATIONS

[NONE]