

TEST REPORT FOR CERTIFICATION

Class II Permissive Change

On Behalf for

Philips Electronics Industries (Taiwan) Ltd.

Flat Panel Color Monitor

Model No.: (1)170X6 (2)170C6

FCC ID. : A3KM140

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
No. 53-11, Tin-Fu Tsun, Lin-Kou,
Taipei County, Taiwan, R.O.C.

Tel : (02) 2609-9301, 2609-2133

Fax : (02) 2609-9303

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Date of Test : May 31 ~ Jun. 02, 2005
Date of Report : Jun. 21, 2005

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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 Ltd. Assembly Centre Hungary
EUT Description	:	Flat Panel Color Monitor
FCC ID.	:	A3KM140
(A) MODEL NO. : (1)170X6 (2)170C6		
(B) SERIAL NO. : (1)TY0405128 (For 170X6)		
(2)TY0405107 (For 170C6)		
(C) BRAND : PHILIPS		
(D) POWER SUPPLY : AC 100V-240V~, 60-50Hz		
(Test Voltage: AC 120V/60Hz)		

Measurement Procedure Used:

FCC CFR 47 Part 15 Subpart B/Jan. 2005 and CISPR 22/1997
ANSI C63.4-2003

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 FCC Part 15 Subpart B with the provisions of section §15.107 (a) and §15.109 (a)(g) Class B limits both conducted and radiated emission.

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 : May 31 ~ Jun. 02, 2005

Prepared by: May Chen Jun. 24, 2005
(May Chen/Assistant)

Test Engineer : Ben Cheng Jun. 27. 2005
(Ben Cheng/Section Manager)

Approved & Authorized Signer : Leon Liu Jun. 27 2005
(Leon Liu/Senior Manager)

1. GENERAL INFORMATION

1.1. Description of Device

Description : Flat Panel Color Monitor

FCC ID : A3KM140

Model Number : (1)170X6 (2)170C6

Above the two models the details of differences are follows as:

Different \ M/N	170X6	170C6
Audio	Audio inside the Front Cabinet	No Audio
Base	Foldable (C shape)	Foldable (Y shape)
Panel	LG Philips, M/N LM170E01	Quanta Display Inc., M/N QD17EL07
Power Board	Delta, M/N EADP-43AF A	LC (Lien Chang), M/N AIP-0093
Scaler	GM5321	NT68563EF
Signal Input	D-Sub / DVI	D-Sub
USB Connector	Yes	No
Appearance	Different (Cabinet & Base)	

The two models are representative selected in the test and included in this report.

Serial Number : (1)TY0405128 (170X6)
(2)TY0405107 (170C6)

Brand : PHILIPS

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

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

Factory #1 : Skyway (Dong Guan) Monitor Factory
Industrial Zone, Da Ling Shan Town, Dong Guan
City, Guang Dong, China

Factory #2	:	Philips Consumer Electronics Co., of Suzhou Ltd. No. 161, Zhujiang Road, New District, Suzhou 215011, China
Factory #3	:	Philips Ltd. Assembly Centre Hungary Holland Fisor 6. PF 204, H-8002 Szekesfehervar, Hungary
Scanning Frequency	:	Horizontal: 30-83kHz Vertical: 56-76Hz
Max Resolution	:	1280*1024/75Hz
[M/N 170X6 used]		
LCD Panel	:	LG Philips, M/N LM170E01
Power Board	:	Delta, M/N EADP-43AF A
D-Sub Data Cable	:	Shielded, Detachable, 1.5m Bonded two ferrite cores
DVI Data Cable	:	Shielded, Detachable, 1.5m Bonded two ferrite cores
USB Data Cable	:	Shielded, Detachable, 1.8m Bonded two ferrite cores
Audio Cable	:	Shielded, Detachable, 1.8m Bonded a ferrite core
Power Cord	:	Non-Shielded, Detachable, 1.8m (3 pin)
[M/N 170C6 used]		
LCD Panel	:	Quanta Display Inc., M/N QD17EL07
Power Board	:	LC (Lien Chang), M/N AIP-0093
D-Sub Data Cable	:	Shielded, Detachable, 1.8m Bonded two ferrite cores
Power Cord	:	Non-Shielded, Detachable, 1.8m (3 pin)
Date of Receipt of Sample	:	May 24, 2005
Date of Test	:	May 31 ~ Jun. 02, 2005

Remark:

This EUT is a modified version of original FCC ID A3KM140. The difference are to (1) A new base style ; (2) add second source of power board (Delta, M/N EADP-43AF A) ; (3) add second source of scaler (GM5321) ; (4) add new style of appearance (Cabinet & Base). The others PCB and circuit same as original.

A modification of EUT was re-measured and the test data reported in this report.

1.2. Tested Supporting System Details

[FOR M/N: 170X6]

1.2.1. PC SYSTEM

Model Name	:	Dell Dim 4600PC
Model Number	:	DMC
Serial Number	:	5DYW91S
FCC ID	:	By DoC
BSMI ID	:	R33002
Manufacturer	:	DELL
VGA Card	:	Nvidia FX5200
Power Cord	:	Non-Shielded, Detachable, 1.8m

1.2.2. KEYBOARD

Model Number	:	SK-8110
Serial Number	:	N/A
BSMI ID	:	T3A002
FCC ID	:	by DoC
Manufacturer	:	DELL
Data Cable	:	Non-Shielded, Undetachable, 2m

1.2.3. DOT MATRIX PRINTER

Model Number	:	KX-P2135
Serial Number	:	8DMCNC02203
FCC ID	:	ACJ5Z6KX-P2135
BSMI ID	:	3872A371
Manufacturer	:	Matsushita (Brand: Panasonic)
Data Cable	:	Shielded, Detachable, 1.5m
Power Cord	:	Non-Shielded, Undetachable, 1.8m

1.2.4. MODEM

Model Number	:	DM-1414
Serial Number	:	980034389
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	:	MO71KC
Serial Number	:	N/A
FCC ID	:	by Doc
BSMI ID	:	R41108
Manufacturer	:	DELL
Data Cable	:	Non-Shielded, Undetachable, 2m

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 : HA08715
 Manufacturer : Panasonic
 Data Cable : Non-Shielded, Detachable, 1.8m

1.2.8. EARPHONE (LINK TO EUT)

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

1.2.9. EXTERNAL HARD DISK DRIVE (LINK TO EUT)

Model Number : F12-U
 Serial Number : A0100214-4CG0012
 FCC ID : By DoC
 BSMI ID : 3902C223
 Manufacturer : TeraSys
 USB Cable : Shielded, Detachable, 1.0m

[FOR M/N: 170C6]

1.2.10. PC SYSTEM

Model Name : Dell Dim 4600PC
 Model Number : DMC
 Serial Number : 5DYW91S
 FCC ID : By DoC
 BSMI ID : R33002
 Manufacturer : DELL
 VGA Card : Nvidia FX5200
 Power Cord : Non-Shielded, Detachable, 1.8m

1.2.11. KEYBOARD

Model Number : SK-8110
 Serial Number : N/A
 BSMI ID : T3A002
 FCC ID : by DoC
 Manufacturer : DELL
 Data Cable : Non-Shielded, Undetachable, 2m

1.2.12. DOT MATRIX PRINTER

Model Number	:	KX-P2135
Serial Number	:	8DMCNC02144
FCC ID	:	ACJ5Z6KX-P2135
BSMI ID	:	3872A371
Manufacturer	:	Matsushita (Brand: Panasonic)
Data Cable	:	Shielded, Detachable, 1.5m
Power Cord	:	Non-Shielded, Undetachable, 1.8m

1.2.13. MODEM

Model Number	:	DM-1414
Serial Number	:	980034389
FCC ID	:	IFAXDM1414
Manufacturer	:	Aceex
Data Cable	:	Shielded, Detachable, 1.2m
Power Adapter	:	Amigo, Model AM-91000A
		Non-Shielded, Undetachable, 1.8m

1.2.14. PS2 MOUSE

Model Number	:	MO71KC
Serial Number	:	N/A
FCC ID	:	by Doc
BSMI ID	:	R41108
Manufacturer	:	DELL
Data Cable	:	Non-Shielded, Undetachable, 2m

1.2.15. MICROPHONE

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

1.2.16. WALKMAN

Model Number	:	RQ-P35LT-K
Serial Number	:	HA08715
Manufacturer	:	Panasonic
Data Cable	:	Non-Shielded, Detachable, 1.8m

1.2.17. USB2.0 MICRO VAULT (USB STORAGE MEDIA) (LINK TO EUT)

Model Number	:	N/A
Serial Number	:	N/A
Manufacturer	:	Genuine
Data Cable	:	Shielded, Detachable, 1.8m

1.2.18. SPEAKER

Model Number : J-008
 Serial Number : J80549103
 Manufacturer : J-S
 Data Cable : Non-Shielded, Undetachable, 1m

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**
 No. 67-4, Tin-Fu Tsun, Lin-Kou Hsiang,
 Taipei County 24443, Taiwan, R.O.C.

No. 3 Open Area 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

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	±1.73dB
Radiation Test (Distance: 10m)	30MHz~300MHz	±2.99dB
	300MHz~1000MHz	±2.73dB
Radiation Test (Distance: 3m)	30MHz~300MHz	±2.91dB
	300MHz~1000MHz	±2.94dB

Remark : Uncertainty = $ku_c(y)$

2. CONDUCTED EMISSION MEASUREMENT

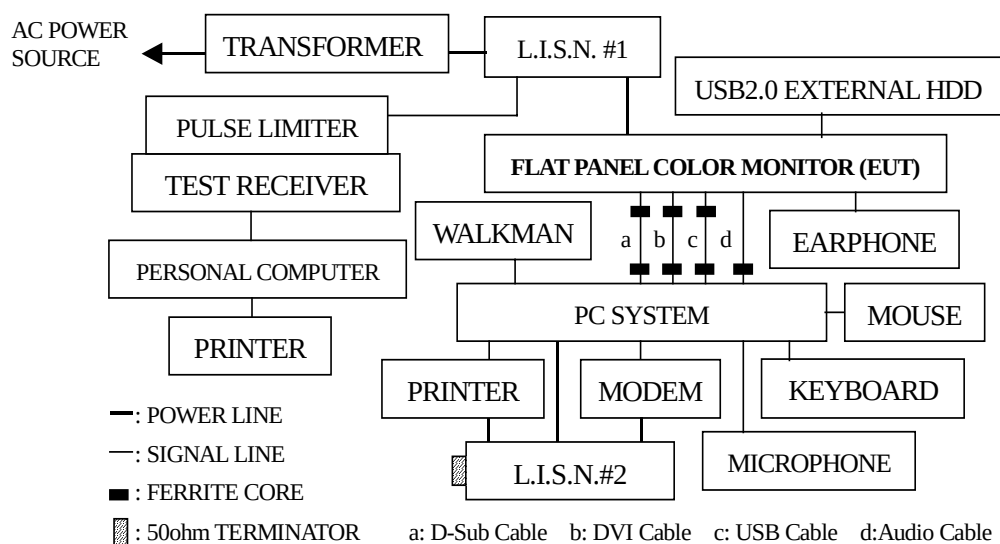
2.1. Test Equipment

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

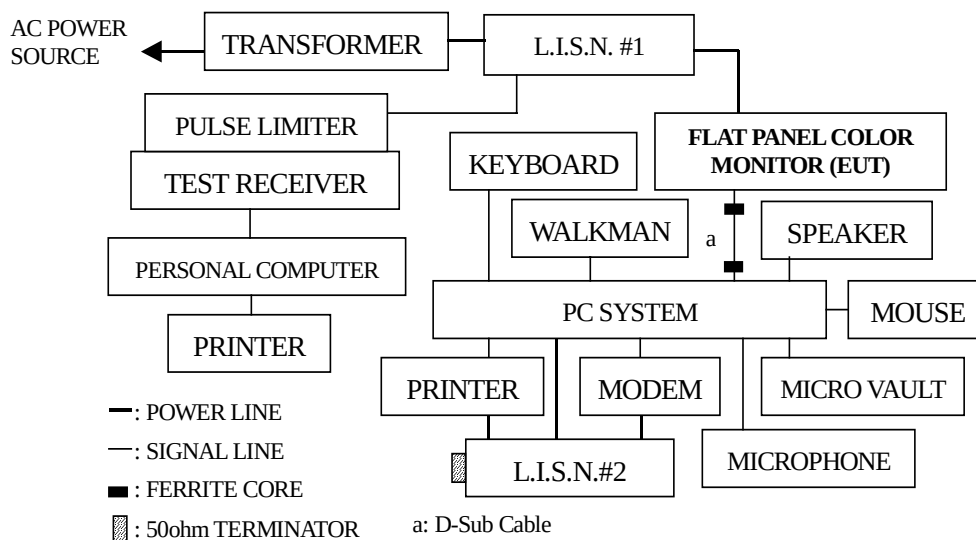
Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Test Receiver	R & S	ESHS10	844591/015	Mar. 05, 05'	Mar. 04, 06'
2.	L.I.S.N. #1	Kyoritsu	KNW-407	8-1430-5	Oct. 06, 04'	Oct. 05, 05'
3.	L.I.S.N. #2	Kyoritsu	KNW-407	8-1430-6	Oct. 06, 04'	Oct. 05, 05'
4.	Pulse Limiter	R & S	ESH3Z2	004	Apr. 09, 05'	Apr. 08, 06'

2.2. Block Diagram of Test Setup

2.2.1. Test Model :170X6



2.2.2. Test Model :170C6



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 #1)

Model Number	:	170X6
Serial No.	:	TY0405128
Brand	:	PHILIPS
FCC ID.	:	A3KM140
Manufacturer	:	Philips Electronics Industries (Taiwan) Ltd.
Scanning Frequency	:	Horizontal : 30kHz-83kHz Vertical : 56Hz-76Hz
Max. Resolution	:	1280*1024/75Hz
LCD Panel	:	LG Philips, M/N LM170E01
Power Board	:	Delta, M/N EADP-43AF A
D-Sub Data Cable	:	Shielded, Detachable, 1.5m Bonded two ferrite cores
DVI Data Cable	:	Shielded, Detachable, 1.5m Bonded two ferrite cores
USB Data Cable	:	Shielded, Detachable, 1.8m Bonded two ferrite cores
Audio Cable	:	Shielded, Detachable, 1.8m Bonded a ferrite core
Power Cord	:	Non-Shielded, Detachable, 1.8m (3 pin)

2.4.2. Flat Panel Color Monitor (EUT #2)

Model Number	:	170C6
Serial No.	:	TY0405107
Brand	:	PHILIPS
FCC ID.	:	A3KM140
Manufacturer	:	Philips Electronics Industries (Taiwan) Ltd.
Scanning Frequency	:	Horizontal : 30kHz-83kHz Vertical : 56Hz-76Hz
Max. Resolution	:	1280*1024/75Hz
LCD Panel	:	Quanta Display Inc., M/N QD17EL07
Power Board	:	LC (Lien Chang), M/N AIP-0093
D-Sub Data Cable	:	Shielded, Detachable, 1.5m Bonded two ferrite cores
Power Cord	:	Non-Shielded, Detachable, 1.8m (3 pin)

2.4.3. Supporting System : As In Section 1.2.

2.5. Operating Condition of EUT

【Test Model: 170X6】

- 2.5.1. Setup the EUT and simulator as shown on 2.2.1.
- 2.5.2. Turned on the power of all equipment.
- 2.5.3. The PC system read data from disk.
- 2.5.4. The PC system running the EMI self-test program “H-V 1.8” by windows XP and sent “H” character to Flat Panel Color Monitor (EUT) through VGA card, the screen displayed and filled with “H” pattern by EUT’s resolution via D-Sub or DVI input.
- 2.5.5. The PC system played a CD-music disk and sent the sound to earphone link to EUT.
- 2.5.6. The PC system read data from USB HDD and write data into USB HDD through the USB port of Flat Panel Color Monitor (EUT).
- 2.5.7. Repeat the above procedures from 2.5.3 to 2.5.6.
- 2.5.8. The other peripheral devices were driven and operated in turn during all testing.

【Test Model: 170C6】

- 2.5.9. Setup the EUT and simulator as shown on 2.2.2.
- 2.5.10. Turned on the power of all equipment.
- 2.5.11. The PC system read data from disk.
- 2.5.12. The PC system running the EMI self-test program “H-V 1.8” by windows XP and sent “H” character to Flat Panel Color Monitor (EUT) through VGA card, the screen displayed and filled with “H” pattern by EUT’s resolution via D-Sub input.
- 2.5.13. The PC system played a CD-music disk and sent the sound to speaker link to PC system.
- 2.5.14. Repeat the above procedures from 2.5.11 to 2.5.13.
- 2.5.15. 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 C63.4-2003 during conducted measurement.

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

The frequency range from 150kHz to 30MHz was pre-scanned with a peak detector.

The all final readings from test receiver were measured with Quasi-Peak detector and Average detector. (Remark: If the Average limit is met when using a Quasi-Peak detector, the Average detector is unnecessary)

2.7. Test Results

PASSED.

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

The EUT with following test modes were performed during conducted measurement and all the test results were attached in next pages.

EUT : Flat Panel Color Monitor Model No.: (1)170X6 (2)170C6

(Test Date: Jun. 02, 2005 Temperature: 25 °C Humidity: 64 %)

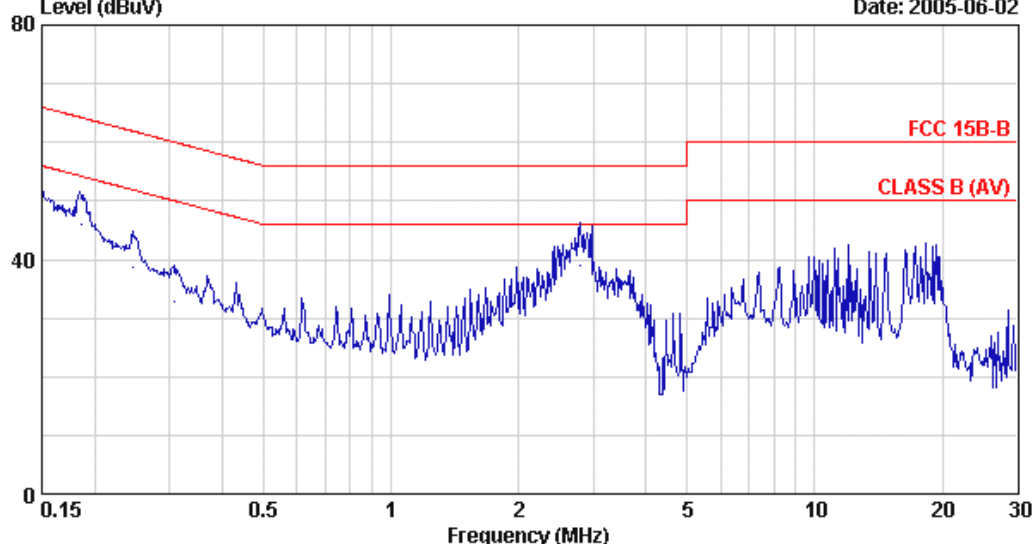
The details of test modes are as follows:

Mode	M/N	Input Port	Resolution/ Frequency	Reference Test Data No.	
				Neutral	Line
1.	170X6	D-Sub	640*480/60Hz	# 7.	# 8
2.			1024*768/75Hz	# 10.	# 9.
3.			1280*1024/75Hz	# 11.	# 12.
4.		DVI	640*480/60Hz	# 6.	# 5.
5.			1024*768/75Hz	# 3.	# 4.
6.			1280*1024/75Hz	# 2.	# 1.
7.	170C6	D-Sub	640*480/60Hz	# 26.	# 25
8.			1024*768/75Hz	# 27.	# 28.
9.			1280*1024/75Hz	# 30.	# 29.



AUDIX Corp. EMC Laboratory
No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei
County, Taiwan R.O.C. Post Code:24443
Tel:+886-2-26092133 Fax:+886-2-26099303
Email:ttmc@ttmc.com.tw

Data: 7 File: E:\test-data\Report\2005\EM940001-940100\EM940082R2-C.EMI (36) Date: 2005-06-02



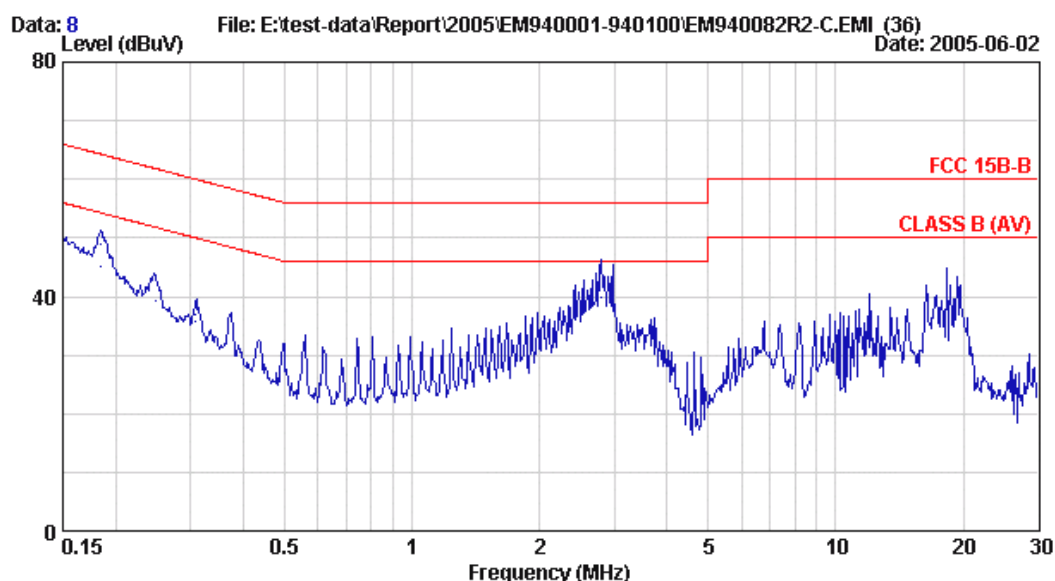
Site : NO.4 Shielded Room Data : 7
Condition : KNW-407 Phase : NEUTRAL
Limit : FCC 15B-B
Env. / Ins. : 25°C/ 64% ESHS10 Engineer: Tim
EUT : Flat Panel Color Monitor M/N:170X6
Power Rating : 120Vac/60Hz
Test Mode : 640*480 /60Hz 31KHz D-SUB

	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dB μ V)	Emission Level (dB μ V)	Limits (dB μ V)	Margin (dB)	Remark
1	0.185	0.23	0.21	49.85	50.28	64.25	13.97	QP
2	0.185	0.23	0.21	45.62	46.05	54.25	8.20	AVERAGE
3	0.247	0.17	0.22	43.49	43.88	61.85	17.97	QP
4	0.247	0.17	0.22	38.38	38.77	51.85	13.08	AVERAGE
5	0.309	0.14	0.24	37.54	37.91	59.99	22.08	QP
6	0.309	0.14	0.24	32.40	32.77	49.99	17.22	AVERAGE
7	2.791	0.10	0.52	45.68	46.30	56.00	9.70	QP
8	2.791	0.10	0.52	38.50	39.12	46.00	6.88	AVERAGE
9	12.039	0.20	0.70	40.64	41.54	60.00	18.46	QP
10	12.039	0.20	0.70	37.21	38.11	50.00	11.89	AVERAGE
11	18.308	0.27	0.70	40.89	41.86	60.00	18.14	QP
12	18.308	0.27	0.70	38.58	39.55	50.00	10.45	AVERAGE

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.
2.If the average limit is met when using a quasi-peak detector
the EUT shall be deemed to meet both limits and measurement
with average detector is unnecessary.



AUDIX Corp. EMC Laboratory
No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei
County, Taiwan R.O.C. Post Code:24443
Tel:+886-2-26092133 Fax:+886-2-26099303
Email:ttmc@ttmc.com.tw



Site : NO.4 Shielded Room Data : 8
Condition : KNW-407 Phase : LINE
Limit : FCC 15B-B
Env. / Ins. : 25°C/ 64% ESHS10 Engineer: Tim
EUT : Flat Panel Color Monitor M/N:170X6
Power Rating : 120Vac/60Hz
Test Mode : 640*480 /60Hz 31KHz D-SUB

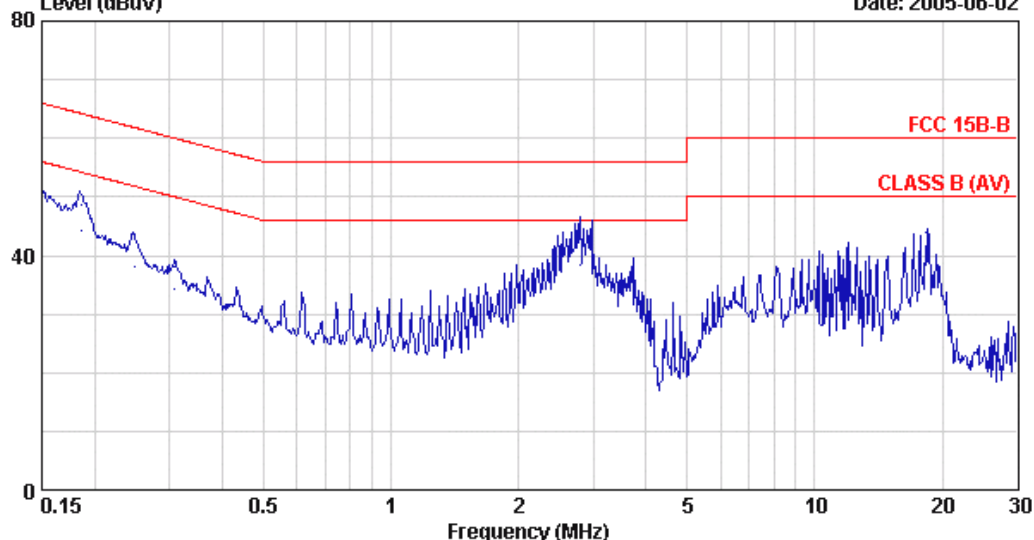
	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dB μ V)	Emission Level (dB μ V)	Limits (dB μ V)	Margin (dB)	Remark
1	0.184	0.23	0.21	48.45	48.88	64.29	15.41	QP
2	0.184	0.23	0.21	44.68	45.11	54.29	9.18	AVERAGE
3	0.248	0.17	0.22	42.26	42.65	61.84	19.19	QP
4	0.248	0.17	0.22	38.85	39.24	51.84	12.60	AVERAGE
5	0.309	0.14	0.24	36.69	37.06	60.00	22.94	QP
6	0.309	0.14	0.24	35.43	35.80	50.00	14.20	AVERAGE
7	2.792	0.10	0.52	44.56	45.18	56.00	10.82	QP
8	2.792	0.10	0.52	39.28	39.90	46.00	6.10	AVERAGE
9	12.039	0.15	0.70	39.66	40.51	60.00	19.49	QP
10	12.039	0.15	0.70	34.34	35.19	50.00	14.81	AVERAGE
11	18.306	0.27	0.70	40.97	41.94	60.00	18.06	QP
12	18.306	0.27	0.70	36.73	37.70	50.00	12.30	AVERAGE

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.
2.If the average limit is met when using a quasi-peak detector
the EUT shall be deemed to meet both limits and measurement
with average detector is unnecessary.



AUDIX Corp. EMC Laboratory
No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei
County, Taiwan R.O.C. Post Code:24443
Tel:+886-2-26092133 Fax:+886-2-26099303
Email:ttmc@ttmc.com.tw

Data: 10 File: E:\test-data\Report\2005\EM940001-940100\EM940082R2-C.EMI (36) Date: 2005-06-02
Level (dBuV)



Site : NO.4 Shielded Room Data : 10
Condition : KNW-407 Phase : NEUTRAL
Limit : FCC 15B-B
Env. / Ins. : 25°C/ 64% ESHS10 Engineer: Tim
EUT : Flat Panel Color Monitor M/N:170X6
Power Rating : 120Vac/60Hz
Test Mode : 1024*768 /75Hz 60KHz D-SUB

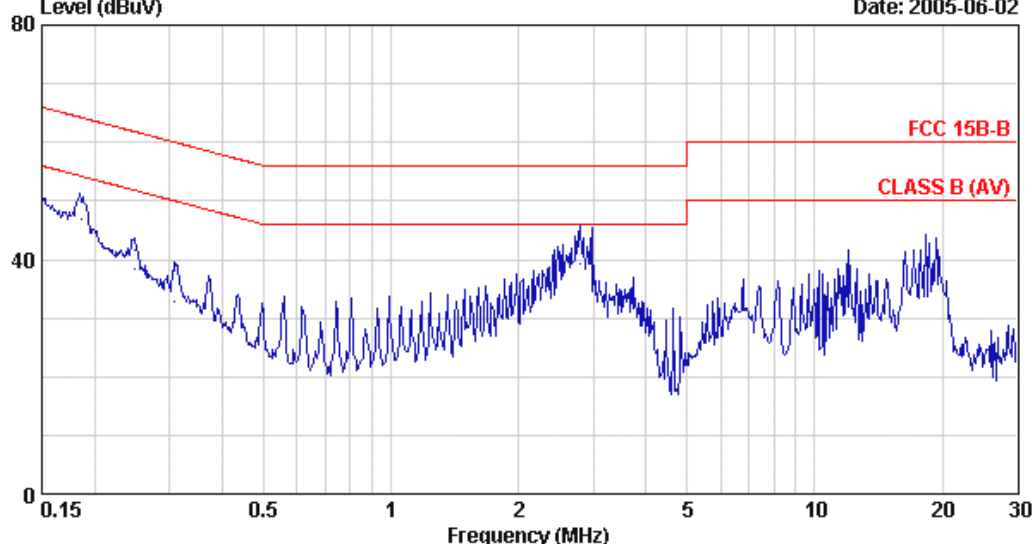
	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dB μ V)	Emission Level (dB μ V)	Limits (dB μ V)	Margin (dB)	Remark
1	0.186	0.23	0.21	48.09	48.52	64.23	15.71	QP
2	0.186	0.23	0.21	43.95	44.38	54.23	9.85	AVERAGE
3	0.248	0.17	0.22	42.79	43.18	61.84	18.66	QP
4	0.248	0.17	0.22	37.81	38.20	51.84	13.64	AVERAGE
5	0.309	0.14	0.24	37.85	38.22	59.99	21.77	QP
6	0.309	0.14	0.24	33.90	34.27	49.99	15.72	AVERAGE
7	2.793	0.10	0.52	45.42	46.04	56.00	9.96	QP
8	2.793	0.10	0.52	37.91	38.53	46.00	7.47	AVERAGE
9	12.035	0.20	0.70	40.56	41.46	60.00	18.54	QP
10	12.035	0.20	0.70	37.85	38.75	50.00	11.25	AVERAGE
11	18.303	0.27	0.70	42.95	43.92	60.00	16.08	QP
12	18.303	0.27	0.70	40.50	41.47	50.00	8.53	AVERAGE

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.
2.If the average limit is met when using a quasi-peak detector
the EUT shall be deemed to meet both limits and measurement
with average detector is unnecessary.



AUDIX Corp. EMC Laboratory
No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei
County, Taiwan R.O.C. Post Code:24443
Tel:+886-2-26092133 Fax:+886-2-26099303
Email:ttmc@ttmc.com.tw

Data: 9 File: E:\test-data\Report\2005\EM940001-940100\EM940082R2-C.EMI (36) Date: 2005-06-02



Site : NO.4 Shielded Room Data : 9
Condition : KNW-407 Phase : LINE
Limit : FCC 15B-B
Env. / Ins. : 25°C/ 64% ESHS10 Engineer: Tim
EUT : Flat Panel Color Monitor M/N:170X6
Power Rating : 120Vac/60Hz
Test Mode : 1024*768 /75Hz 60KHz D-SUB

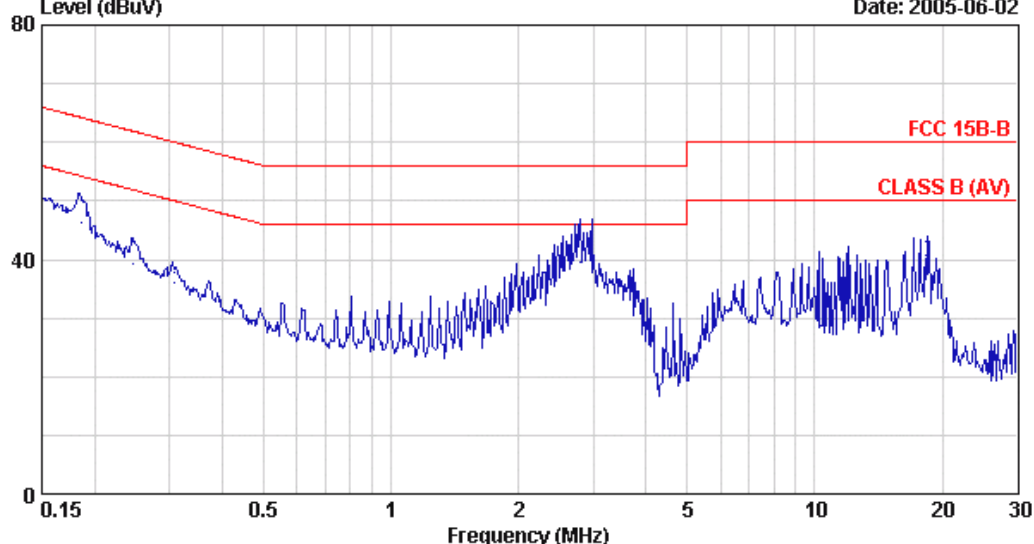
	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dB μ V)	Emission Level (dB μ V)	Limits (dB μ V)	Margin (dB)	Remark
1	0.186	0.22	0.21	49.25	49.68	64.22	14.53	QP
2	0.186	0.22	0.21	46.56	46.99	54.22	7.22	AVERAGE
3	0.247	0.17	0.22	41.10	41.49	61.85	20.35	QP
4	0.247	0.17	0.22	37.92	38.31	51.85	13.53	AVERAGE
5	0.309	0.14	0.24	37.63	38.00	59.99	21.99	QP
6	0.309	0.14	0.24	32.53	32.90	49.99	17.09	AVERAGE
7	2.793	0.10	0.52	44.54	45.16	56.00	10.84	QP
8	2.793	0.10	0.52	38.66	39.28	46.00	6.72	AVERAGE
9	12.038	0.15	0.70	39.88	40.73	60.00	19.27	QP
10	12.038	0.15	0.70	34.22	35.07	50.00	14.93	AVERAGE
11	18.307	0.27	0.70	41.86	42.83	60.00	17.17	QP
12	18.307	0.27	0.70	39.08	40.05	50.00	9.95	AVERAGE

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.
2.If the average limit is met when using a quasi-peak detector
the EUT shall be deemed to meet both limits and measurement
with average detector is unnecessary.



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No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei
County, Taiwan R.O.C. Post Code:24443
Tel:+886-2-26092133 Fax:+886-2-26099303
Email:ttmc@ttmc.com.tw

Data: 11 File: E:\test-data\Report\2005\EM940001-940100\EM940082R2-C.EMI (36) Date: 2005-06-02



Site : NO.4 Shielded Room Data : 11
Condition : KNW-407 Phase : NEUTRAL
Limit : FCC 15B-B
Env. / Ins. : 25°C/ 64% ESHS10 Engineer: Tim
EUT : Flat Panel Color Monitor M/N:170X6
Power Rating : 120Vac/60Hz
Test Mode : 1280*1024 /75Hz 80KHz D-SUB

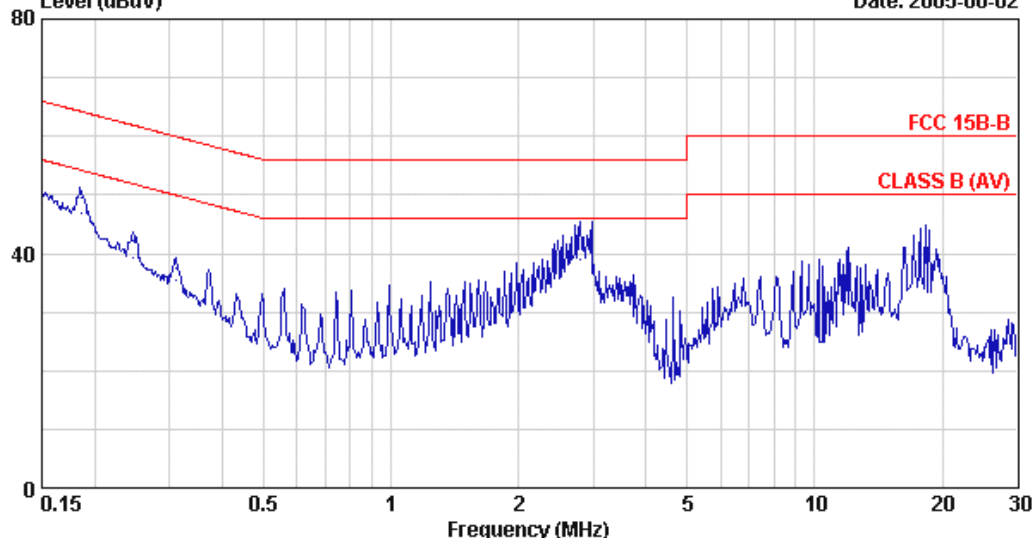
	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dB μ V)	Emission Level (dB μ V)	Limits (dB μ V)	Margin (dB)	Remark
1	0.185	0.23	0.21	50.01	50.44	64.25	13.81	QP
2	0.185	0.23	0.21	45.81	46.24	54.25	8.01	AVERAGE
3	0.247	0.17	0.22	42.77	43.16	61.87	18.71	QP
4	0.247	0.17	0.22	38.84	39.23	51.87	12.64	AVERAGE
5	0.308	0.14	0.24	37.51	37.88	60.02	22.13	QP
6	0.308	0.14	0.24	35.53	35.90	50.02	14.11	AVERAGE
7	2.792	0.10	0.52	45.06	45.68	56.00	10.32	QP
8	2.792	0.10	0.52	39.01	39.63	46.00	6.37	AVERAGE
9	12.035	0.20	0.70	40.30	41.20	60.00	18.80	QP
10	12.035	0.20	0.70	37.63	38.53	50.00	11.47	AVERAGE
11	18.301	0.27	0.70	42.11	43.08	60.00	16.92	QP
12	18.301	0.27	0.70	39.65	40.62	50.00	9.38	AVERAGE

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.
2.If the average limit is met when using a quasi-peak detector
the EUT shall be deemed to meet both limits and measurement
with average detector is unnecessary.



AUDIX Corp. EMC Laboratory
No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei
County, Taiwan R.O.C. Post Code:24443
Tel:+886-2-26092133 Fax:+886-2-26099303
Email:ttemc@ttemc.com.tw

Data: 12 File: E:\test-data\Report\2005\EM940001-940100\EM940082R2-C.EMI (36) Date: 2005-06-02
Level (dBuV)



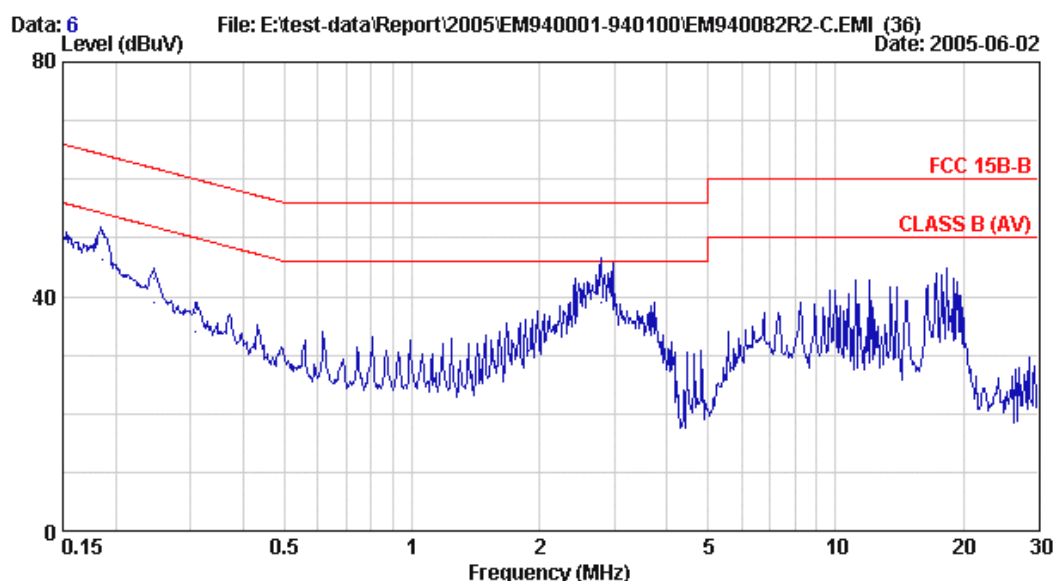
Site : NO.4 Shielded Room Data : 12
Condition : KNW-407 Phase : LINE
Limit : FCC 15B-B
Env. / Ins. : 25°C/ 64% ESHS10 Engineer: Tim
EUT : Flat Panel Color Monitor M/N:170X6
Power Rating : 120Vac/60Hz
Test Mode : 1280*1024 /75Hz 80KHz D-SUB

	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dB μ V)	Emission Level (dB μ V)	Limits (dB μ V)	Margin (dB)	Remark
1	0.186	0.23	0.21	48.99	49.42	64.23	14.80	QP
2	0.186	0.23	0.21	46.38	46.81	54.23	7.41	AVERAGE
3	0.247	0.17	0.22	41.86	42.25	61.86	19.61	QP
4	0.247	0.17	0.22	38.74	39.13	51.86	12.73	AVERAGE
5	0.310	0.14	0.24	37.24	37.61	59.97	22.36	QP
6	0.310	0.14	0.24	35.09	35.46	49.97	14.51	AVERAGE
7	2.791	0.10	0.52	44.60	45.22	56.00	10.78	QP
8	2.791	0.10	0.52	38.41	39.03	46.00	6.97	AVERAGE
9	12.034	0.15	0.70	38.53	39.38	60.00	20.62	QP
10	12.034	0.15	0.70	34.22	35.07	50.00	14.93	AVERAGE
11	18.298	0.27	0.70	42.81	43.78	60.00	16.22	QP
12	18.298	0.27	0.70	38.88	39.85	50.00	10.15	AVERAGE

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.
2.If the average limit is met when using a quasi-peak detector
the EUT shall be deemed to meet both limits and measurement
with average detector is unnecessary.



AUDIX Corp. EMC Laboratory
No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei
County, Taiwan R.O.C. Post Code:24443
Tel:+886-2-26092133 Fax:+886-2-26099303
Email:ttemc@ttemc.com.tw



Site : NO.4 Shielded Room Data : 6
Condition : KNW-407 Phase : NEUTRAL
Limit : FCC 15B-B
Env. / Ins. : 25°C/ 64% ESHS10 Engineer: Tim
EUT : Flat Panel Color Monitor M/N:170X6
Power Rating : 120Vac/60Hz
Test Mode : 640*480 /60Hz 31KHz DVI

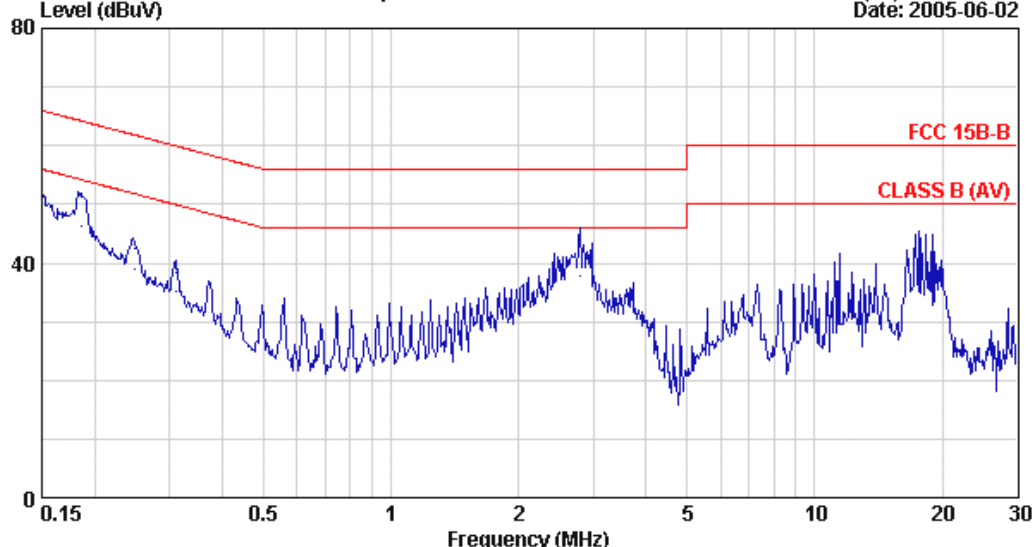
	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dB μ V)	Emission Level (dB μ V)	Limits (dB μ V)	Margin (dB)	Remark
1	0.185	0.23	0.21	50.24	50.67	64.25	13.58	QP
2	0.185	0.23	0.21	45.93	46.36	54.25	7.89	AVERAGE
3	0.247	0.17	0.22	42.80	43.19	61.86	18.67	QP
4	0.247	0.17	0.22	38.62	39.01	51.86	12.85	AVERAGE
5	0.309	0.14	0.24	36.98	37.35	60.00	22.65	QP
6	0.309	0.14	0.24	33.57	33.94	50.00	16.06	AVERAGE
7	2.795	0.10	0.52	44.28	44.90	56.00	11.10	QP
8	2.795	0.10	0.52	38.30	38.92	46.00	7.08	AVERAGE
9	12.041	0.20	0.70	40.99	41.89	60.00	18.11	QP
10	12.041	0.20	0.70	37.25	38.15	50.00	11.85	AVERAGE
11	18.310	0.27	0.70	43.19	44.16	60.00	15.84	QP
12	18.310	0.27	0.70	39.84	40.81	50.00	9.19	AVERAGE

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.
2.If the average limit is met when using a quasi-peak detector
the EUT shall be deemed to meet both limits and measurement
with average detector is unnecessary.



AUDIX Corp. EMC Laboratory
No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei
County, Taiwan R.O.C. Post Code:24443
Tel:+886-2-26092133 Fax:+886-2-26099303
Email:ttmc@ttmc.com.tw

Data: 5 File: E:\test-data\Report\2005\EM940001-940100\EM940082R2-C.EMI (36) Date: 2005-06-02



Site : NO.4 Shielded Room Data : 5
Condition : KNW-407 Phase : LINE
Limit : FCC 15B-B
Env. / Ins. : 25°C/ 64% ESHS10 Engineer: Tim
EUT : Flat Panel Color Monitor M/N:170X6
Power Rating : 120Vac/60Hz
Test Mode : 640*480 /60Hz 31KHz DVI

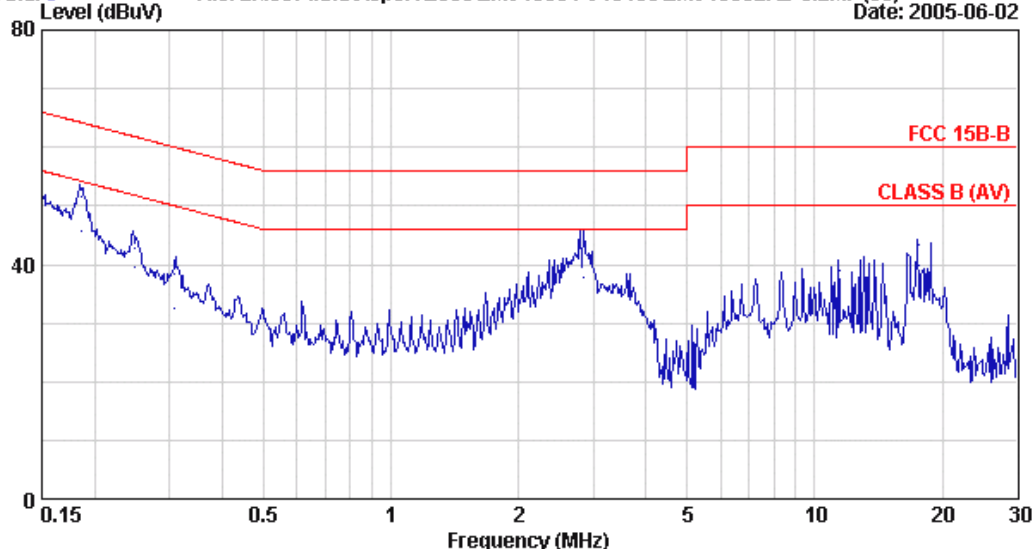
	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dB μ V)	Emission Level (dB μ V)	Limits (dB μ V)	Margin (dB)	Remark
1	0.185	0.23	0.21	50.78	51.21	64.24	13.03	QP
2	0.185	0.23	0.21	45.77	46.20	54.24	8.04	AVERAGE
3	0.247	0.17	0.22	42.00	42.39	61.84	19.45	QP
4	0.247	0.17	0.22	38.48	38.87	51.84	12.97	AVERAGE
5	0.310	0.14	0.24	38.11	38.48	59.96	21.48	QP
6	0.310	0.14	0.24	34.71	35.08	49.96	14.88	AVERAGE
7	2.795	0.10	0.52	44.15	44.77	56.00	11.23	QP
8	2.795	0.10	0.52	37.08	37.70	46.00	8.30	AVERAGE
9	11.441	0.13	0.70	38.75	39.58	60.00	20.42	QP
10	11.441	0.13	0.70	34.73	35.56	50.00	14.44	AVERAGE
11	17.566	0.26	0.70	44.11	45.07	60.00	14.93	QP
12	17.566	0.26	0.70	39.64	40.60	50.00	9.40	AVERAGE

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.
2.If the average limit is met when using a quasi-peak detector
the EUT shall be deemed to meet both limits and measurement
with average detector is unnecessary.



AUDIX Corp. EMC Laboratory
No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei
County, Taiwan R.O.C. Post Code:24443
Tel:+886-2-26092133 Fax:+886-2-26099303
Email:ttmc@ttmc.com.tw

Data: 3 File: E:\test-data\Report\2005\EM940001-940100\EM940082R2-C.EMI (36) Date: 2005-06-02



Site : NO.4 Shielded Room Data : 3
Condition : KNW-407 Phase : NEUTRAL
Limit : FCC 15B-B
Env. / Ins. : 25°C/ 64% ESHS10 Engineer: Tim
EUT : Flat Panel Color Monitor M/N:170X6
Power Rating : 120Vac/60Hz
Test Mode : 1024*768 /75Hz 60KHz DVI

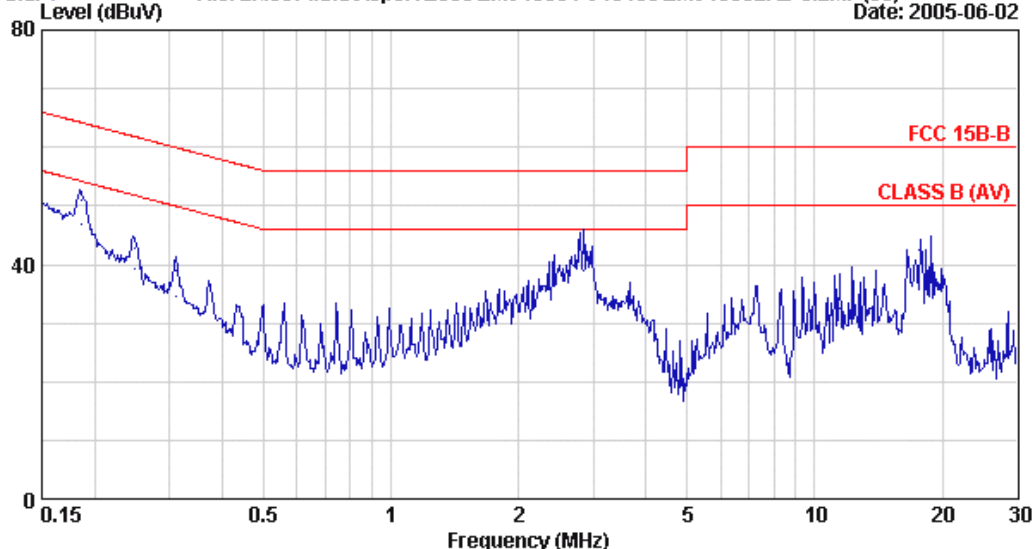
	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dB μ V)	Emission Level (dB μ V)	Limits (dB μ V)	Margin (dB)	Remark
1	0.185	0.23	0.21	51.25	51.68	64.25	12.57	QP
2	0.185	0.23	0.21	45.14	45.57	54.25	8.68	AVERAGE
3	0.248	0.17	0.22	42.50	42.89	61.83	18.94	QP
4	0.248	0.17	0.22	39.13	39.52	51.83	12.31	AVERAGE
5	0.309	0.14	0.24	37.92	38.29	60.01	21.71	QP
6	0.309	0.14	0.24	32.22	32.59	50.01	17.41	AVERAGE
7	2.856	0.10	0.52	43.68	44.30	56.00	11.70	QP
8	2.856	0.10	0.52	37.16	37.78	46.00	8.22	AVERAGE
9	11.445	0.20	0.70	38.15	39.05	60.00	20.95	QP
10	11.445	0.20	0.70	35.03	35.93	50.00	14.07	AVERAGE
11	17.580	0.26	0.70	42.52	43.48	60.00	16.52	QP
12	17.580	0.26	0.70	38.90	39.86	50.00	10.14	AVERAGE

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.
2.If the average limit is met when using a quasi-peak detector
the EUT shall be deemed to meet both limits and measurement
with average detector is unnecessary.



AUDIX Corp. EMC Laboratory
No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei
County, Taiwan R.O.C. Post Code:24443
Tel:+886-2-26092133 Fax:+886-2-26099303
Email:ttmc@ttmc.com.tw

Data: 4 File: E:\test-data\Report\2005\EM940001-940100\EM940082R2-C.EMI (36) Date: 2005-06-02



Site : NO.4 Shielded Room Data : 4
Condition : KNW-407 Phase : LINE
Limit : FCC 15B-B
Env. / Ins. : 25°C/ 64% ESHS10 Engineer: Tim
EUT : Flat Panel Color Monitor M/N:170X6
Power Rating : 120Vac/60Hz
Test Mode : 1024*768 /75Hz 60KHz DVI

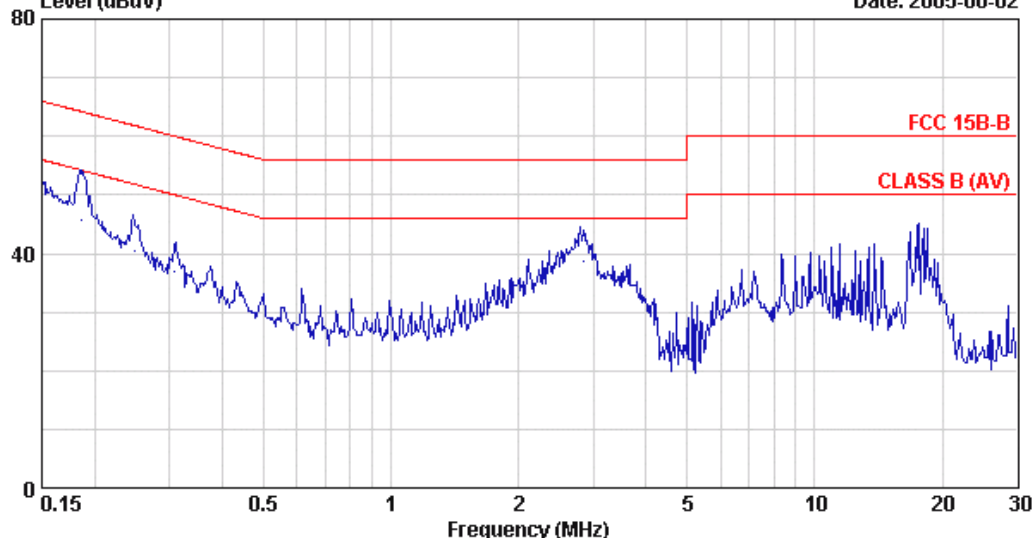
	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dB μ V)	Emission Level (dB μ V)	Limits (dB μ V)	Margin (dB)	Remark
1	0.185	0.23	0.21	50.50	50.93	64.25	13.31	QP
2	0.185	0.23	0.21	46.56	46.99	54.25	7.25	AVERAGE
3	0.248	0.17	0.22	42.38	42.77	61.82	19.05	QP
4	0.248	0.17	0.22	38.94	39.33	51.82	12.49	AVERAGE
5	0.310	0.14	0.24	38.55	38.92	59.97	21.04	QP
6	0.310	0.14	0.24	34.12	34.49	49.97	15.47	AVERAGE
7	2.855	0.10	0.52	43.54	44.16	56.00	11.84	QP
8	2.855	0.10	0.52	38.27	38.89	46.00	7.11	AVERAGE
9	11.441	0.13	0.70	35.93	36.76	60.00	23.24	QP
10	11.441	0.13	0.70	31.81	32.64	50.00	17.36	AVERAGE
11	17.572	0.26	0.70	41.43	42.39	60.00	17.61	QP
12	17.572	0.26	0.70	37.13	38.09	50.00	11.91	AVERAGE

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.
2.If the average limit is met when using a quasi-peak detector
the EUT shall be deemed to meet both limits and measurement
with average detector is unnecessary.



AUDIX Corp. EMC Laboratory
No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei
County, Taiwan R.O.C. Post Code:24443
Tel:+886-2-26092133 Fax:+886-2-26099303
Email:ttmc@ttmc.com.tw

Data: 2 File: E:\test-data\Report\2005\EM940001-940100\EM940082R2-C.EMI (36) Date: 2005-06-02
Level (dBuV)



Site : NO.4 Shielded Room Data : 2
Condition : KNW-407 Phase : NEUTRAL
Limit : FCC 15B-B
Env. / Ins. : 25°C/ 64% ESHS10 Engineer: Tim
EUT : Flat Panel Color Monitor M/N:170X6
Power Rating : 120Vac/60Hz
Test Mode : 1280*1024 /75Hz 80KHz DVI

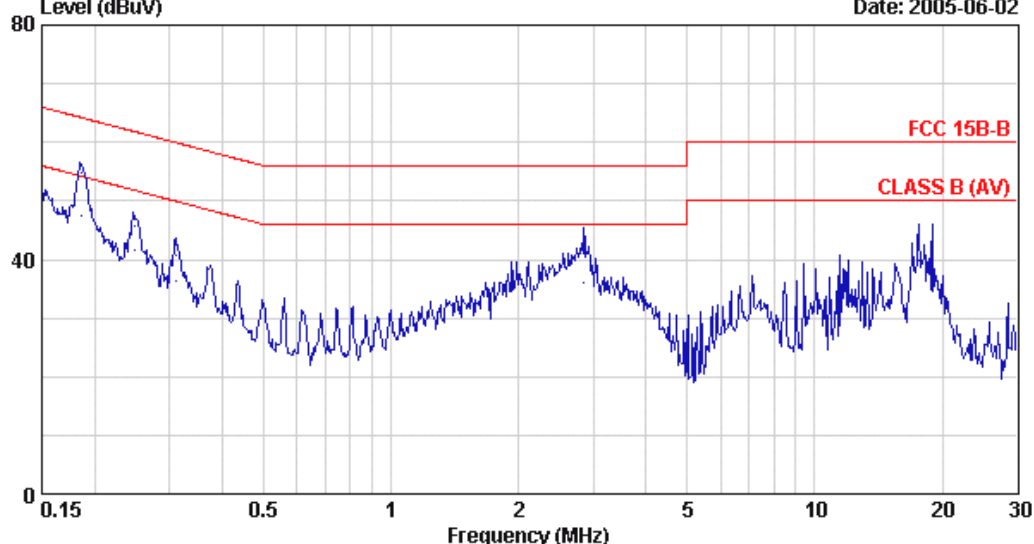
	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dB μ V)	Emission Level (dB μ V)	Limits (dB μ V)	Margin (dB)	Remark
1	0.185	0.23	0.21	53.25	53.68	64.25	10.56	QP
2	0.185	0.23	0.21	45.16	45.59	54.25	8.65	AVERAGE
3	0.248	0.17	0.22	44.37	44.76	61.83	17.07	QP
4	0.248	0.17	0.22	39.92	40.31	51.83	11.52	AVERAGE
5	0.309	0.14	0.24	40.10	40.47	59.99	19.51	QP
6	0.309	0.14	0.24	36.45	36.82	49.99	13.16	AVERAGE
7	2.858	0.10	0.52	42.66	43.28	56.00	12.72	QP
8	2.858	0.10	0.52	37.94	38.56	46.00	7.44	AVERAGE
9	11.433	0.20	0.70	39.49	40.39	60.00	19.61	QP
10	11.433	0.20	0.70	35.63	36.53	50.00	13.47	AVERAGE
11	17.585	0.26	0.70	43.16	44.12	60.00	15.88	QP
12	17.585	0.26	0.70	39.76	40.72	50.00	9.28	AVERAGE

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.
2.If the average limit is met when using a quasi-peak detector
the EUT shall be deemed to meet both limits and measurement
with average detector is unnecessary.



AUDIX Corp. EMC Laboratory
No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei
County, Taiwan R.O.C. Post Code:24443
Tel:+886-2-26092133 Fax:+886-2-26099303
Email:ttemc@ttemc.com.tw

Data: 1 File: E:\test-data\Report\2005\EM940001-940100\EM940082R2-C.EMI (36) Date: 2005-06-02



Site : NO.4 Shielded Room Data : 1
Condition : KNW-407 Phase : LINE
Limit : FCC 15B-B
Env. / Ins. : 25°C/ 64% ESHS10 Engineer: Tim
EUT : Flat Panel Color Monitor M/N:170X6
Power Rating : 120Vac/60Hz
Test Mode : 1280*1024 /75Hz 80KHz DVI

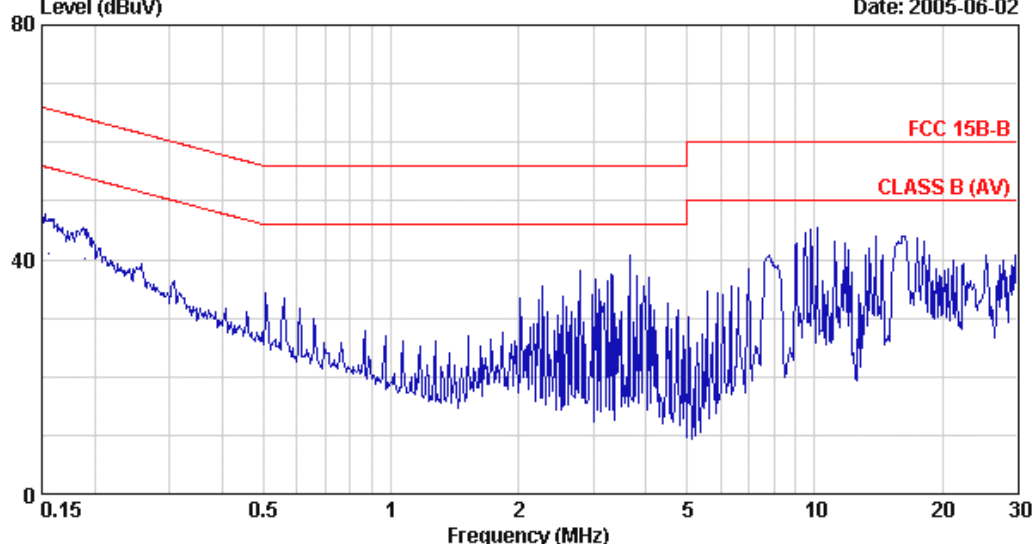
	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dB μ V)	Emission Level (dB μ V)	Limits (dB μ V)	Margin (dB)	Remark
1	0.186	0.22	0.21	54.25	54.68	64.22	9.54	QP
2	0.186	0.22	0.21	47.14	47.57	54.22	6.65	AVERAGE
3	0.248	0.17	0.22	45.18	45.57	61.83	16.26	QP
4	0.248	0.17	0.22	41.25	41.64	51.83	10.19	AVERAGE
5	0.310	0.14	0.24	40.37	40.74	59.97	19.23	QP
6	0.310	0.14	0.24	36.01	36.38	49.97	13.59	AVERAGE
7	2.859	0.10	0.52	43.23	43.85	56.00	12.15	QP
8	2.859	0.10	0.52	35.39	36.01	46.00	9.99	AVERAGE
9	11.440	0.13	0.70	38.15	38.98	60.00	21.02	QP
10	11.440	0.13	0.70	33.90	34.73	50.00	15.27	AVERAGE
11	17.593	0.26	0.70	43.34	44.30	60.00	15.70	QP
12	17.593	0.26	0.70	38.90	39.86	50.00	10.14	AVERAGE

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.
2.If the average limit is met when using a quasi-peak detector
the EUT shall be deemed to meet both limits and measurement
with average detector is unnecessary.



AUDIX Corp. EMC Laboratory
No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei
County, Taiwan R.O.C. Post Code:24443
Tel:+886-2-26092133 Fax:+886-2-26099303
Email:ttmc@ttmc.com.tw

Data: 26 File: E:\test-data\Report\2005\EM940001-940100\EM940082R2-C.EMI (36) Date: 2005-06-02



Site : NO.4 Shielded Room Data : 26
Condition : KNW-407 Phase : NEUTRAL
Limit : FCC 15B-B
Env. / Ins. : 25°C/ 64% ESHS10 Engineer: Tim
EUT : Flat Panel Color Monitor M/N:170C6
Power Rating : 120Vac/60Hz
Test Mode : 640*480 /60Hz 31KHz D-SUB

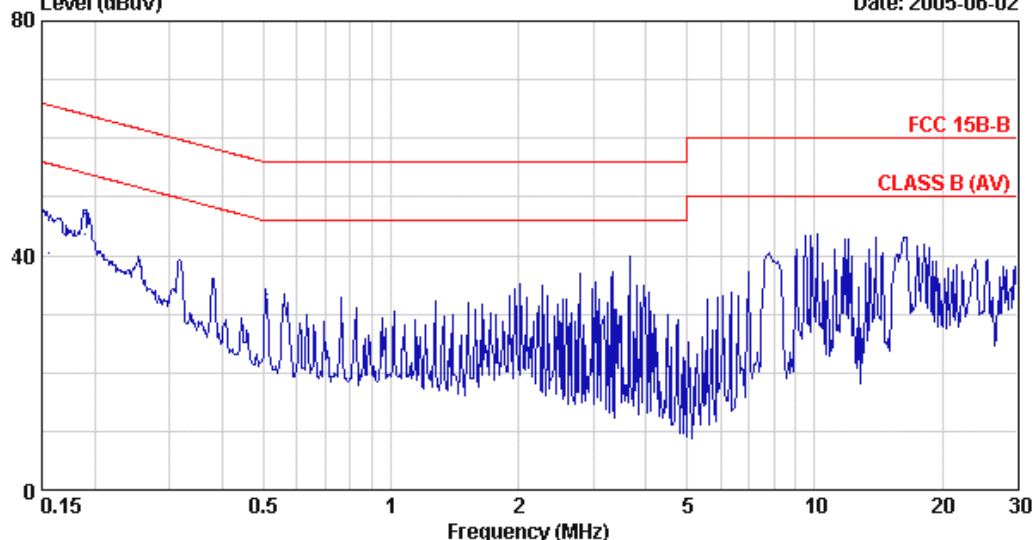
	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dB μ V)	Emission Level (dB μ V)	Limits (dB μ V)	Margin (dB)	Remark
1	0.156	0.29	0.20	46.15	46.64	65.67	19.03	QP
2	0.156	0.29	0.20	40.68	41.17	55.67	14.50	AVERAGE
3	0.189	0.22	0.21	44.82	45.25	64.06	18.82	QP
4	0.189	0.22	0.21	39.68	40.11	54.06	13.96	AVERAGE
5	0.506	0.10	0.29	32.89	33.28	56.00	22.72	QP
6	0.506	0.10	0.29	29.47	29.86	46.00	16.14	AVERAGE
7	3.658	0.10	0.58	40.13	40.81	56.00	15.19	QP
8	3.658	0.10	0.58	39.97	40.65	46.00	5.35	AVERAGE
9	10.158	0.20	0.70	43.97	44.87	60.00	15.13	QP
10	10.158	0.20	0.70	41.97	42.87	50.00	7.13	AVERAGE
11	16.445	0.23	0.70	41.88	42.81	60.00	17.19	QP
12	16.445	0.23	0.70	39.56	40.49	50.00	9.51	AVERAGE

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.
2.If the average limit is met when using a quasi-peak detector
the EUT shall be deemed to meet both limits and measurement
with average detector is unnecessary.



AUDIX Corp. EMC Laboratory
No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei
County, Taiwan R.O.C. Post Code:24443
Tel:+886-2-26092133 Fax:+886-2-26099303
Email:ttemc@ttemc.com.tw

Data: 25 File: E:\test-data\Report\2005\EM940001-940100\EM940082R2-C.EMI (36) Date: 2005-06-02
Level (dBuV)



Site : NO.4 Shielded Room Data : 25
Condition : KNW-407 Phase : LINE
Limit : FCC 15B-B
Env. / Ins. : 25°C/ 64% ESHS10 Engineer: Tim
EUT : Flat Panel Color Monitor M/N:170C6
Power Rating : 120Vac/60Hz
Test Mode : 640*480 /60Hz 31KHz D-SUB

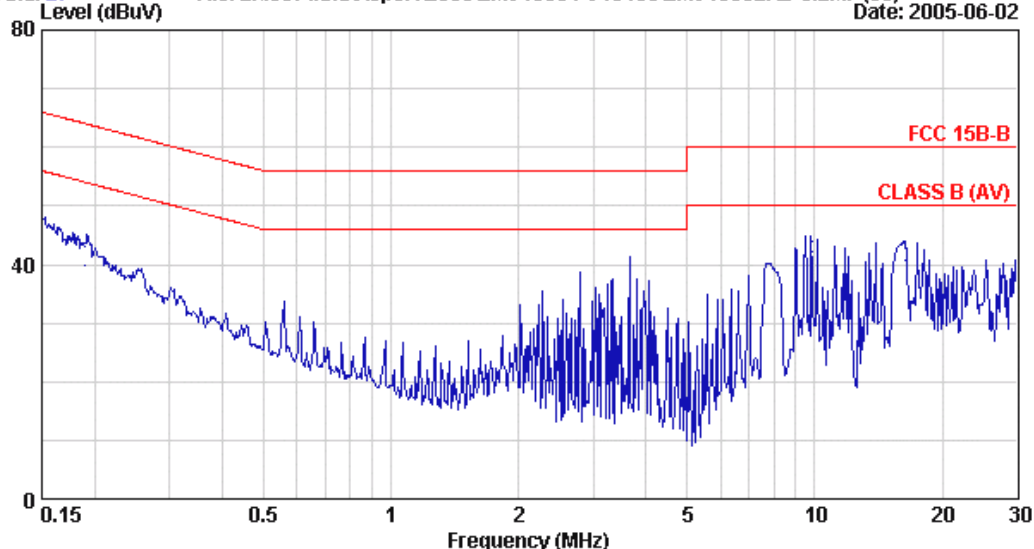
	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dB μ V)	Emission Level (dB μ V)	Limits (dB μ V)	Margin (dB)	Remark
1	0.156	0.29	0.20	45.54	46.03	65.69	19.66	QP
2	0.156	0.29	0.20	39.89	40.38	55.69	15.31	AVERAGE
3	0.189	0.22	0.21	46.69	47.12	64.07	16.96	QP
4	0.189	0.22	0.21	43.20	43.63	54.07	10.45	AVERAGE
5	0.508	0.10	0.29	32.89	33.28	56.00	22.72	QP
6	0.508	0.10	0.29	32.06	32.45	46.00	13.55	AVERAGE
7	3.659	0.10	0.58	39.04	39.72	56.00	16.28	QP
8	3.659	0.10	0.58	38.92	39.60	46.00	6.40	AVERAGE
9	10.158	0.10	0.70	42.49	43.29	60.00	16.71	QP
10	10.158	0.10	0.70	42.12	42.92	50.00	7.08	AVERAGE
11	16.446	0.23	0.70	42.13	43.06	60.00	16.94	QP
12	16.446	0.23	0.70	40.06	40.99	50.00	9.01	AVERAGE

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.
2.If the average limit is met when using a quasi-peak detector
the EUT shall be deemed to meet both limits and measurement
with average detector is unnecessary.



AUDIX Corp. EMC Laboratory
No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei
County, Taiwan R.O.C. Post Code:24443
Tel:+886-2-26092133 Fax:+886-2-26099303
Email:ttmc@ttmc.com.tw

Data: 27 File: E:\test-data\Report\2005\EM940001-940100\EM940082R2-C.EMI (36) Date: 2005-06-02



Site : NO.4 Shielded Room Data : 27
Condition : KNW-407 Phase : NEUTRAL
Limit : FCC 15B-B
Env. / Ins. : 25°C/ 64% ESHS10 Engineer: Tim
EUT : Flat Panel Color Monitor M/N:170C6
Power Rating : 120Vac/60Hz
Test Mode : 1024*768 /75Hz 60KHz D-SUB

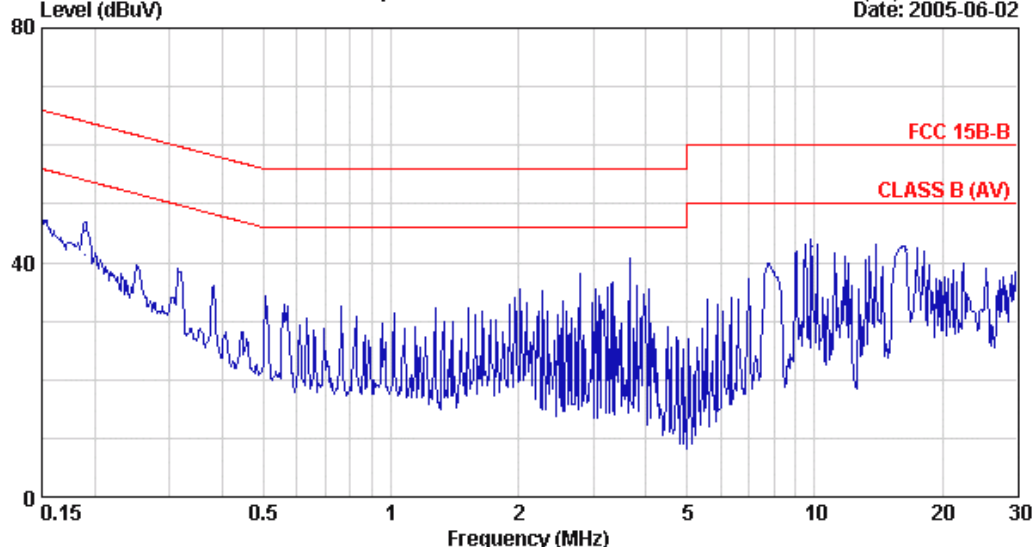
	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Emission Reading (dB μ V)	Emission Level (dB μ V)	Limits (dB μ V)	Margin (dB)	Remark
1	0.150	0.30	0.20	46.03	46.53	65.98	19.45	QP
2	0.150	0.30	0.20	41.45	41.95	55.98	14.03	AVERAGE
3	0.189	0.22	0.21	42.60	43.03	64.08	21.06	QP
4	0.189	0.22	0.21	39.47	39.90	54.08	14.19	AVERAGE
5	0.560	0.10	0.29	32.46	32.85	56.00	23.15	QP
6	0.560	0.10	0.29	31.27	31.66	46.00	14.34	AVERAGE
7	3.658	0.10	0.58	40.33	41.01	56.00	14.99	QP
8	3.658	0.10	0.58	40.18	40.86	46.00	5.14	AVERAGE
9	9.842	0.20	0.70	42.95	43.85	60.00	16.15	QP
10	9.842	0.20	0.70	41.43	42.33	50.00	7.67	AVERAGE
11	16.320	0.23	0.70	41.87	42.80	60.00	17.20	QP
12	16.320	0.23	0.70	39.72	40.65	50.00	9.35	AVERAGE

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.
2.If the average limit is met when using a quasi-peak detector
the EUT shall be deemed to meet both limits and measurement
with average detector is unnecessary.



AUDIX Corp. EMC Laboratory
No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei
County, Taiwan R.O.C. Post Code:24443
Tel:+886-2-26092133 Fax:+886-2-26099303
Email:ttmc@ttmc.com.tw

Data: 28 File: E:\test-data\Report\2005\EM940001-940100\EM940082R2-C.EMI (36) Date: 2005-06-02



Site : NO.4 Shielded Room Data : 28
Condition : KNW-407 Phase : LINE
Limit : FCC 15B-B
Env. / Ins. : 25°C/ 64% ESHS10 Engineer: Tim
EUT : Flat Panel Color Monitor M/N:170C6
Power Rating : 120Vac/60Hz
Test Mode : 1024*768 /75Hz 60KHz D-SUB

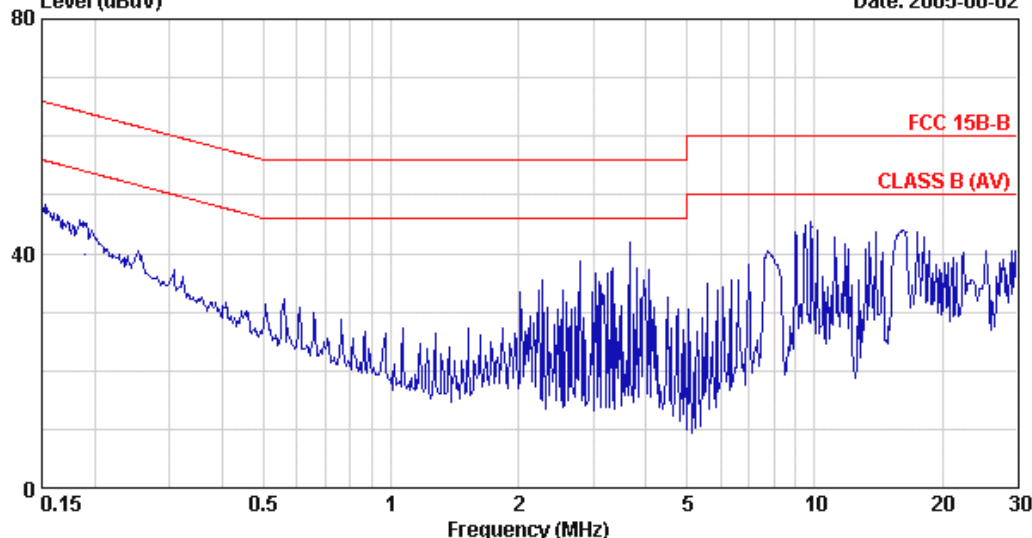
	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dB μ V)	Emission Level (dB μ V)	Limits (dB μ V)	Margin (dB)	Remark
1	0.150	0.30	0.20	46.11	46.61	65.98	19.37	QP
2	0.150	0.30	0.20	42.46	42.96	55.98	13.02	AVERAGE
3	0.190	0.22	0.21	45.11	45.54	64.05	18.52	QP
4	0.190	0.22	0.21	40.83	41.26	54.05	12.80	AVERAGE
5	0.559	0.10	0.29	30.33	30.72	56.00	25.28	QP
6	0.559	0.10	0.29	30.14	30.53	46.00	15.47	AVERAGE
7	3.659	0.10	0.58	39.57	40.25	56.00	15.75	QP
8	3.659	0.10	0.58	39.43	40.11	46.00	5.89	AVERAGE
9	9.841	0.10	0.70	42.05	42.85	60.00	17.15	QP
10	9.841	0.10	0.70	39.87	40.67	50.00	9.33	AVERAGE
11	16.445	0.23	0.70	41.39	42.32	60.00	17.68	QP
12	16.445	0.23	0.70	36.95	37.88	50.00	12.12	AVERAGE

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.
2.If the average limit is met when using a quasi-peak detector
the EUT shall be deemed to meet both limits and measurement
with average detector is unnecessary.



AUDIX Corp. EMC Laboratory
No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei
County, Taiwan R.O.C. Post Code:24443
Tel:+886-2-26092133 Fax:+886-2-26099303
Email:ttmc@ttmc.com.tw

Data: 30 File: E:\test-data\Report\2005\EM940001-940100\EM940082R2-C.EMI (36) Date: 2005-06-02
Level (dBuV)



Site : NO.4 Shielded Room Data : 30
Condition : KNW-407 Phase : NEUTRAL
Limit : FCC 15B-B
Env. / Ins. : 25°C/ 64% ESHS10 Engineer: Tim
EUT : Flat Panel Color Monitor M/N:170C6
Power Rating : 120Vac/60Hz
Test Mode : 1280*1024 /75Hz 80KHz D-SUB

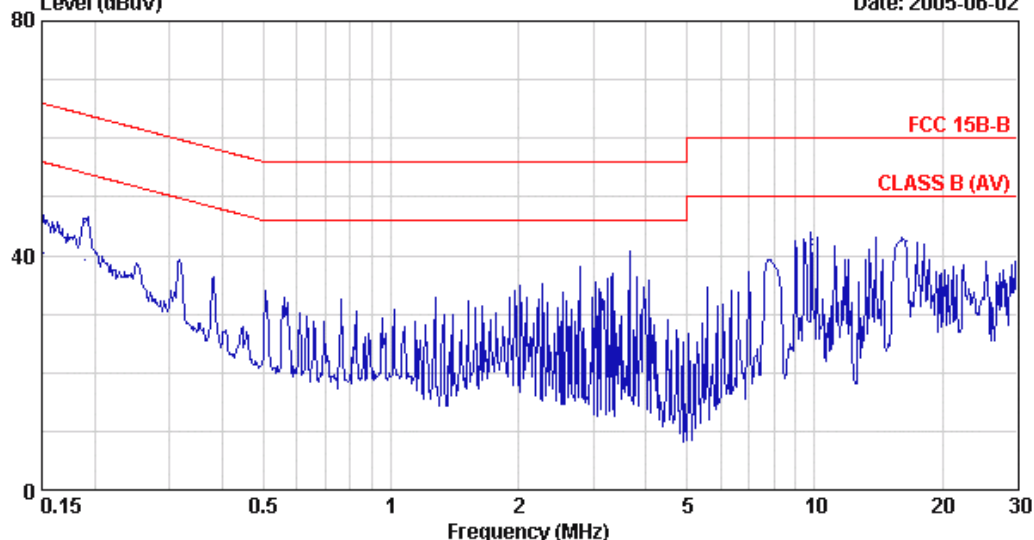
	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dB μ V)	Emission Level (dB μ V)	Limits (dB μ V)	Margin (dB)	Remark
1	0.150	0.30	0.20	46.23	46.73	65.99	19.26	QP
2	0.150	0.30	0.20	41.55	42.05	55.99	13.94	AVERAGE
3	0.189	0.22	0.21	44.50	44.93	64.08	19.16	QP
4	0.189	0.22	0.21	39.36	39.79	54.08	14.30	AVERAGE
5	0.558	0.10	0.29	29.80	30.19	56.00	25.81	QP
6	0.558	0.10	0.29	29.60	29.99	46.00	16.01	AVERAGE
7	3.658	0.10	0.58	40.78	41.46	56.00	14.54	QP
8	3.658	0.10	0.58	40.63	41.31	46.00	4.69	AVERAGE
9	9.842	0.20	0.70	43.75	44.65	60.00	15.35	QP
10	9.842	0.20	0.70	41.72	42.62	50.00	7.38	AVERAGE
11	16.441	0.23	0.70	42.76	43.69	60.00	16.31	QP
12	16.441	0.23	0.70	39.65	40.58	50.00	9.42	AVERAGE

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.
2.If the average limit is met when using a quasi-peak detector
the EUT shall be deemed to meet both limits and measurement
with average detector is unnecessary.



AUDIX Corp. EMC Laboratory
No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei
County, Taiwan R.O.C. Post Code:24443
Tel:+886-2-26092133 Fax:+886-2-26099303
Email:ttmc@ttmc.com.tw

Data: 29 File: E:\test-data\Report\2005\EM940001-940100\EM940082R2-C.EMI (36) Date: 2005-06-02
Level (dBuV)



Site : NO.4 Shielded Room Data : 29
Condition : KNW-407 Phase : LINE
Limit : FCC 15B-B
Env. / Ins. : 25°C/ 64% ESHS10 Engineer: Tim
EUT : Flat Panel Color Monitor M/N:170C6
Power Rating : 120Vac/60Hz
Test Mode : 1280*1024 /75Hz 80KHz D-SUB

	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dB μ V)	Emission Level (dB μ V)	Limits (dB μ V)	Margin (dB)	Remark
1	0.151	0.30	0.20	45.23	45.73	65.96	20.23	QP
2	0.151	0.30	0.20	39.82	40.32	55.96	15.64	AVERAGE
3	0.190	0.22	0.21	45.15	45.58	64.05	18.48	QP
4	0.190	0.22	0.21	38.87	39.30	54.05	14.76	AVERAGE
5	0.558	0.10	0.29	30.51	30.90	56.00	25.10	QP
6	0.558	0.10	0.29	30.37	30.76	46.00	15.24	AVERAGE
7	3.658	0.10	0.58	39.85	40.53	56.00	15.47	QP
8	3.658	0.10	0.58	39.70	40.38	46.00	5.62	AVERAGE
9	9.840	0.10	0.70	42.13	42.93	60.00	17.07	QP
10	9.840	0.10	0.70	41.20	42.00	50.00	8.00	AVERAGE
11	16.443	0.23	0.70	41.51	42.44	60.00	17.56	QP
12	16.443	0.23	0.70	37.94	38.87	50.00	11.13	AVERAGE

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.
2.If the average limit is met when using a quasi-peak detector
the EUT shall be deemed to meet both limits and measurement
with average detector is unnecessary.

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 Area Test Site)

Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Test Receiver	R & S	ESCS30	100339	Apr. 08, 05'	Apr. 07, 06'
2.	Biconical Antenna	Chase	VBA6106A	1227	Nov. 15, 04'	Nov. 14, 05'
3.	Log Periodic Antenna	Chase	UPA6109	1027	Nov. 15, 04'	Nov. 14, 05'

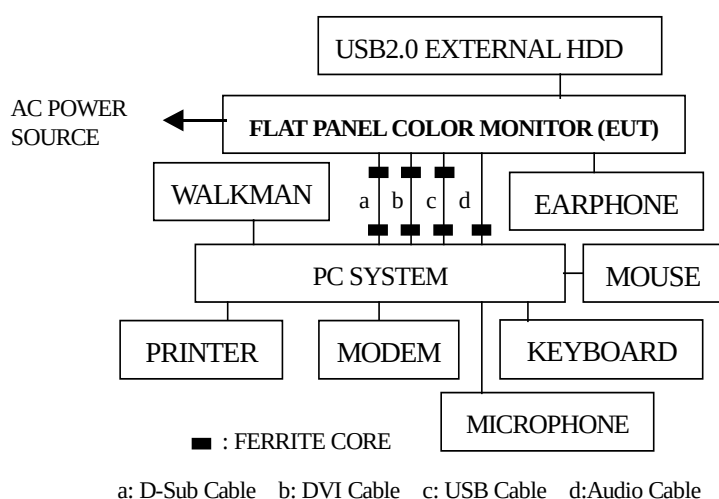
3.1.2. For 1GHz~2GHz Frequency (At No. 3 Open Area Test Site)

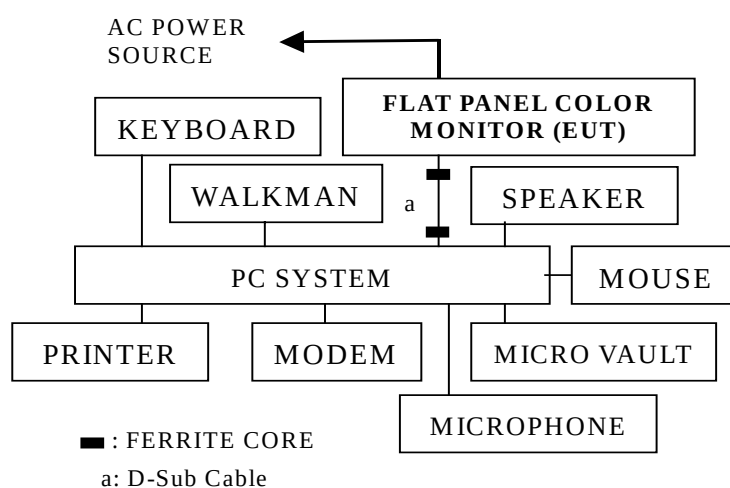
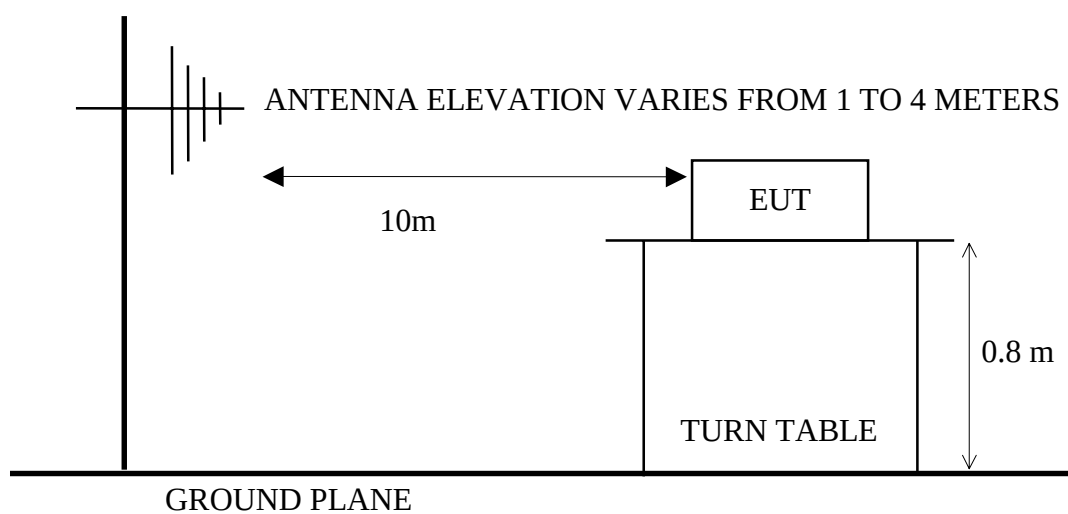
Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Spectrum Analyzer	Agilent	E7405A	MY42000132	Jun. 04, 05'	Jun. 03, 06'
2.	Amplifier	HP	8449B	3008A01284	Jul. 02, 04'	Jul. 01, 05'
3.	Horn Antenna	EMCO	3115	9609-4927	Jul. 06, 04'	Jul. 05, 05'

3.2. Block Diagram of Test Setup

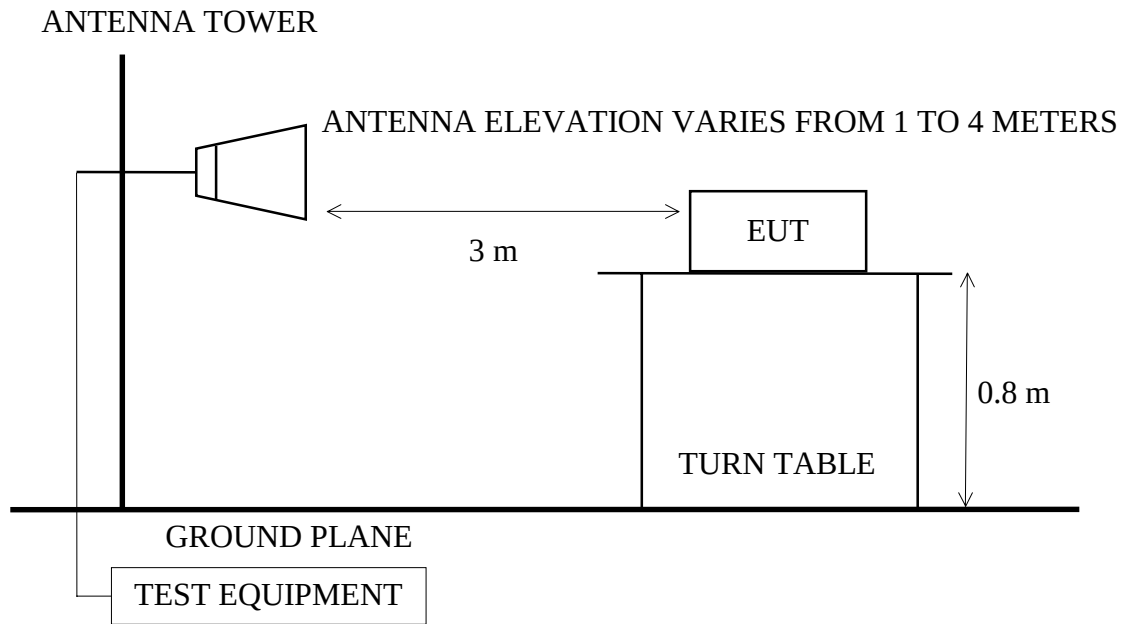
3.2.1. Block Diagram of connection between EUT and simulators

[Test Model: 170X6]



[Test Model: 170C6]**3.2.2. Open Area Test Site (10m) Setup Diagram for 30-1000MHz****ANTENNA TOWER**

3.2.3. Open Area Test Site Setup Diagram (3m) for 1-2GHz



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
1000 ~ 2000	3	54.0 (Average)
1000 ~ 2000	3	74.0 (Peak)

- Note :
- (1) The tighter limit applies at the edge between two frequency bands.
 - (2) Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the E.U.T.
 - (3) There is no over 1GHz limits in CISPR 22 standard. 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

- 3.6.1. For frequency range 30MHz-1000MHz measurement at distance of 10m at open area test site:

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 meters away from the receiving antenna which were mounted on a antenna tower. The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level. Broadband antenna (calibrated biconical and log periodical antenna) and dipole antenna were used as receiving antenna. Both horizontal and vertical polarization of the antenna were set on measurement. In order to find the maximum emission, all of the interface cables were manipulated according to ANSI C63.4-2003 and CISPR 22 on radiated measurement.

The bandwidth of the R&S Test Receiver ESCS30 was set at 120kHz. The frequency range from 30MHz to 1000MHz was pre-scanned with a peak detector and the all final readings from test receiver were measured with Quasi-Peak detector.

- 3.6.2. For frequency range 1GHz-2GHz measurement at distance of 3m at open area test site:

The EUT and its simulators were placed on a turn table which was 0.8 meter above ground. The turn table rotated 360 degrees to determine the position of the maximum emission level, EUT was set 3 meters away from the receiving antenna which was mounted on a antenna tower. The antenna can move up and down between 1 meter and 4 meters (maximum emission level receiving position) above the ground. A calibrated Horn Antenna was used as a receiving antenna. Both horizontal and vertical polarization of the antenna were set on measurement, and both average and peak emission level were recorded form spectrum analyzer. In order to find the maximum emission level, all the interface cables were manipulated according to ANSI C63.4-2003 on radiated measurement.

The resolution bandwidth of spectrum analyzer E7405A was set at 1MHz.

The frequency range from 1GHz to 2GHz was checked with Average detector.

3.7. Radiated Emission Measurement Results

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

EUT: Flat Panel Color Monitor

M/N: (1)170X6 (2)170C6

For 30MHz~1000MHz Frequency Range:

The EUT with following test modes were performed during radiated measurement and all the test results were attached in next pages. (**※mode for maximum detected emission**)

Test Date: May. 31, 2005 Temperature: 27°C Humidity: 40%

The details of test modes are as follows:

Mode	M/N	Input Port	Resolution/ Frequency	Reference Test Data No.	
				Horizontal	Vertical
1.	170X6	D-Sub	640*480/60Hz	# 15.	# 16.
2.			1024*768/75Hz	# 18.	# 17.
3.			1280*1024/75Hz	# 8.	# 7.
4.		DVI	640*480/60Hz	# 14.	# 13.
5.			1024*768/75Hz	# 11.	# 12.
※6.			1280*1024/75Hz	# 10.	# 9.
7.	170C6	D-Sub	640*480/60Hz	# 6.	# 5.
※8.			1024*768/75Hz	# 3.	# 4.
9.			1280*1024/75Hz	# 2.	# 1.

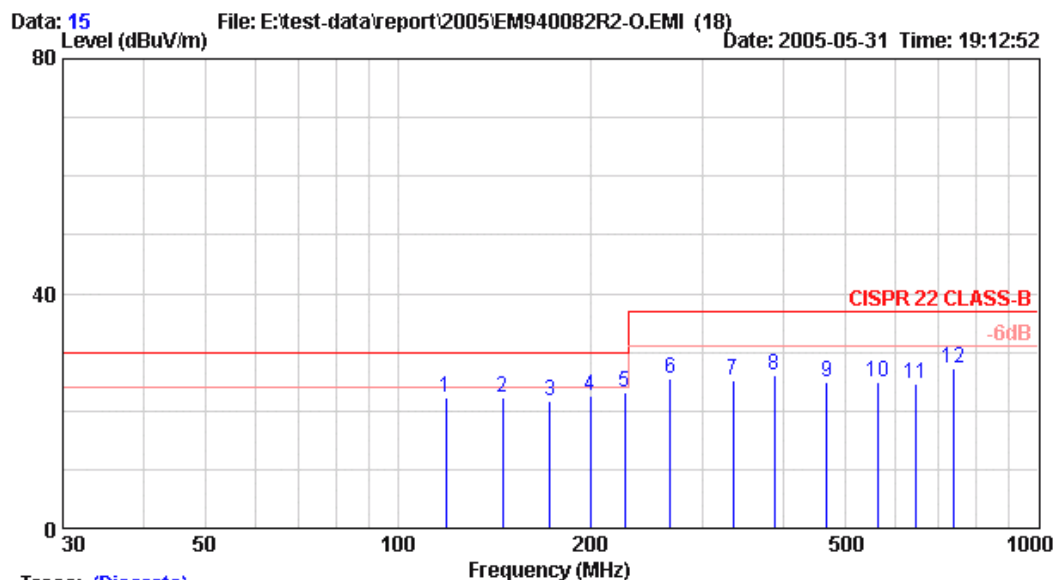
For 1GHz~2GHz frequency range:

We attached the spectrum above 1GHz, measured and found the noise from EUT was lower than ambient.

[30MHz to 1000MHz Frequency Range Measurement Results]



AUDIX Corp. EMC Laboratory
No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei
County, Taiwan R.O.C. Post Code:24443
Tel:02-26092133 Fax:02-26099303
Email:ttemc@ttemc.com.tw
Web:www.ttemc.com



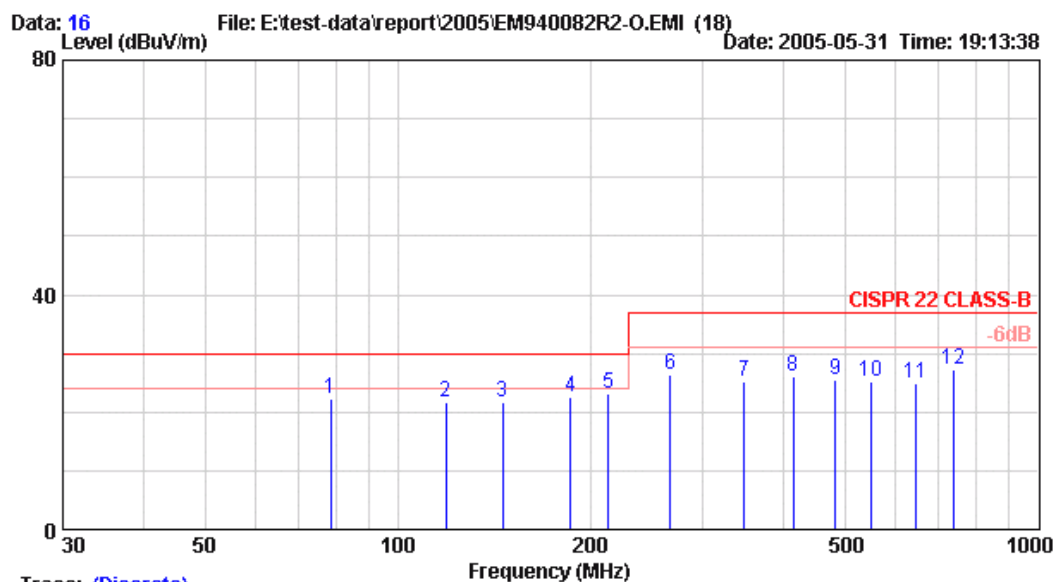
Site no. : NO.3 Open Site Data no. : 15
Dis. / Ant. : 10m 6106A/6109 (0104) Ant. pol. : HORIZONTAL
Limit : CISPR 22 CLASS-B
Env. / Ins. : 27°C 40% / ESCS 30 Engineer : Byron Wu
EUT : Flat Panel Color Monitor M/N:170X6
Power Rating : 120Vac/60Hz
Test Mode : 640*480/60Hz 31KHz D-SUB

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dB μ V)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Remark
1	119.021	18.67	2.20	1.29	22.16	30.00	7.84	
2	145.925	19.90	2.40	-0.12	22.18	30.00	7.82	
3	172.829	20.71	2.50	-1.45	21.76	30.00	8.24	
4	199.733	20.80	2.80	-0.96	22.64	30.00	7.36	
5	226.637	21.86	3.20	-2.01	23.05	30.00	6.95	
6	266.993	22.75	3.20	-0.32	25.63	37.00	11.37	
7	334.253	14.62	3.80	6.91	25.33	37.00	11.67	
8	388.061	16.09	4.10	5.85	26.04	37.00	10.96	
9	468.773	17.70	4.70	2.59	24.99	37.00	12.01	
10	562.937	19.88	5.30	-0.38	24.80	37.00	12.20	
11	643.649	20.42	5.60	-1.52	24.50	37.00	12.50	
12	737.813	21.53	6.00	-0.34	27.19	37.00	9.81	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



AUDIX Corp. EMC Laboratory
 No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei
 County, Taiwan R.O.C. Post Code:24443
 Tel:02-26092133 Fax:02-26099303
 Email:ttemc@ttemc.com.tw
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Trace: (Discrete)

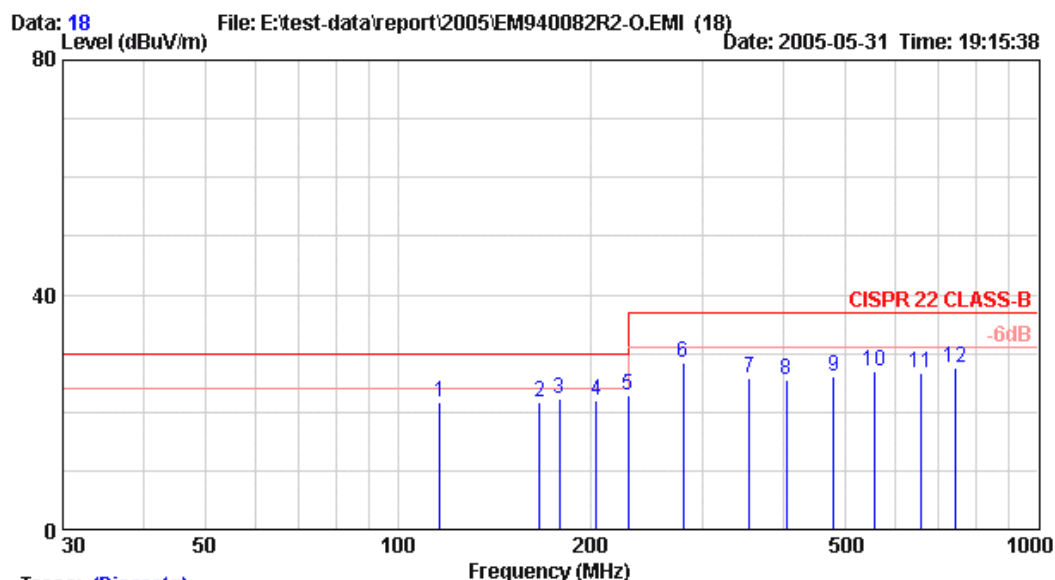
Site no. : NO.3 Open Site Data no. : 16
 Dis. / Ant. : 10m 6106A/6109 (0104) Ant. pol. : VERTICAL
 Limit : CISPR 22 CLASS-B
 Env. / Ins. : 27°C 40% / ESCS 30 Engineer : Byron Wu
 EUT : Flat Panel Color Monitor M/N:170X6
 Power Rating : 120Vac/60Hz
 Test Mode : 640*480/60Hz 31KHz D-SUB

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dB μ V)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Remark
1	78.665	13.63	1.80	6.77	22.20	30.00	7.80	
2	119.021	19.32	2.20	0.20	21.72	30.00	8.28	
3	145.925	20.25	2.40	-1.10	21.55	30.00	8.45	
4	186.281	21.36	2.60	-1.31	22.65	30.00	7.35	
5	213.185	21.49	2.80	-1.18	23.11	30.00	6.89	
6	266.993	22.67	3.20	0.64	26.51	37.00	10.49	
7	347.705	15.47	4.00	5.83	25.30	37.00	11.70	
8	414.965	16.64	4.40	5.00	26.04	37.00	10.96	
9	482.225	18.34	4.80	2.41	25.55	37.00	11.45	
10	549.485	19.36	5.20	0.71	25.27	37.00	11.73	
11	643.649	20.06	5.60	-0.62	25.04	37.00	11.96	
12	737.813	21.65	6.00	-0.42	27.23	37.00	9.77	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



AUDIX Corp. EMC Laboratory
 No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei
 County, Taiwan R.O.C. Post Code:24443
 Tel:02-26092133 Fax:02-26099303
 Email:ttemc@ttemc.com.tw
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Trace: (Discrete)

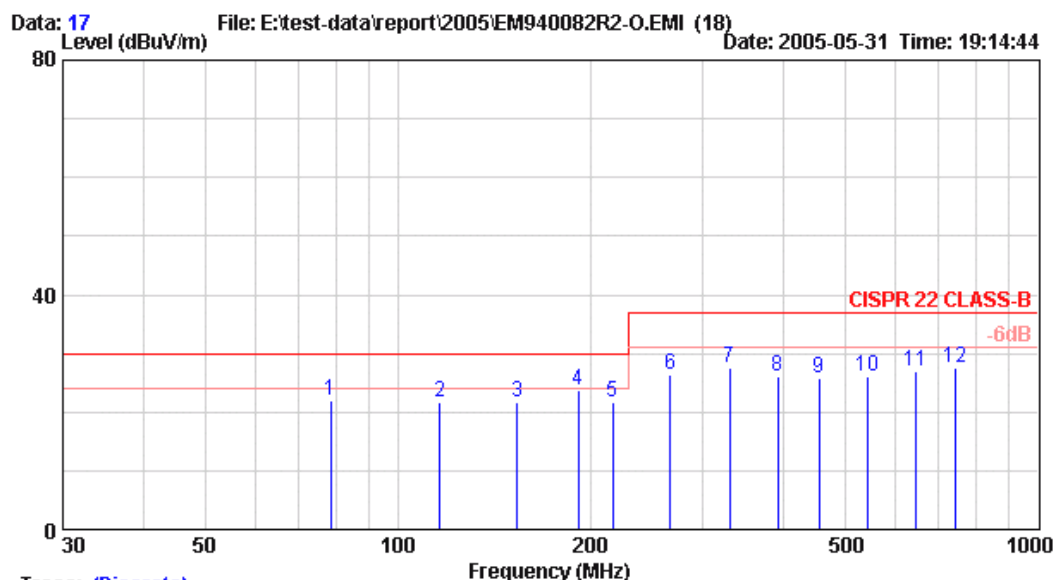
Site no. : NO.3 Open Site Data no. : 18
 Dis. / Ant. : 10m 6106A/6109 (0104) Ant. pol. : HORIZONTAL
 Limit : CISPR 22 CLASS-B
 Env. / Ins. : 27°C 40% / ESCS 30 Engineer : Byron Wu
 EUT : Flat Panel Color Monitor M/N:170X6
 Power Rating : 120Vac/60Hz
 Test Mode : 1024*768/75Hz 60KHz D-SUB

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dB μ V)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Remark
1	116.327	18.46	2.00	1.12	21.58	30.00	8.42	
2	166.543	20.59	2.60	-1.42	21.77	30.00	8.23	
3	179.097	20.94	2.60	-1.33	22.21	30.00	7.79	
4	204.205	20.59	2.80	-1.34	22.05	30.00	7.95	
5	229.313	21.72	3.00	-2.01	22.71	30.00	7.29	
6	279.529	23.49	3.40	1.67	28.56	37.00	8.44	
7	354.853	15.02	3.90	6.78	25.70	37.00	11.30	
8	405.069	16.40	4.20	4.94	25.54	37.00	11.46	
9	480.393	17.72	4.80	3.58	26.10	37.00	10.90	
10	555.717	19.99	5.20	1.83	27.02	37.00	9.98	
11	656.149	20.59	5.60	0.51	26.70	37.00	10.30	
12	744.027	21.77	6.20	-0.40	27.57	37.00	9.43	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



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 Tel:02-26092133 Fax:02-26099303
 Email:ttemc@ttemc.com.tw
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Trace: (Discrete)

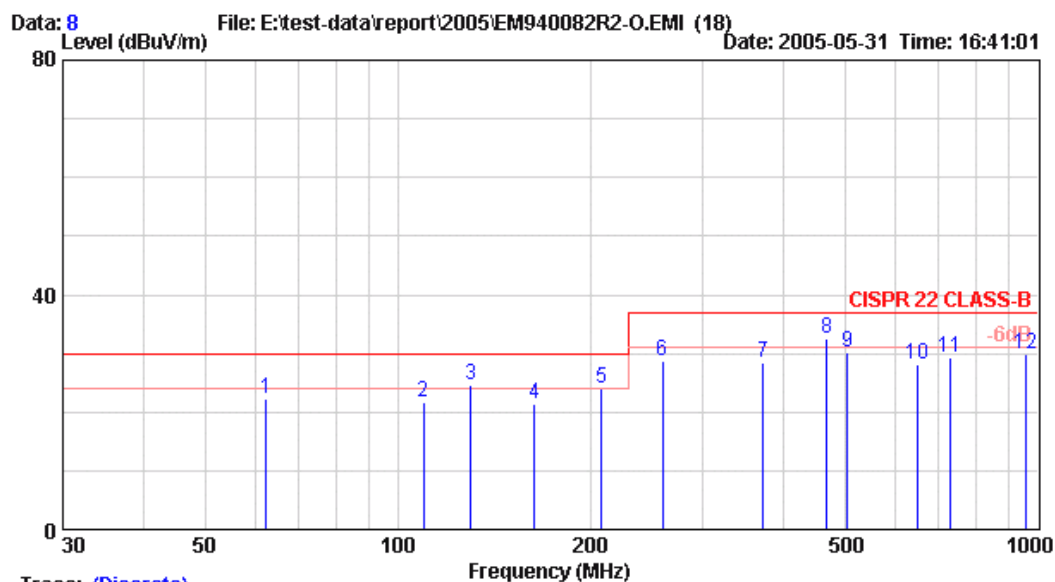
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Dis. / Ant. : 10m 6106A/6109 (0104)	Ant. pol. : VERTICAL
Limit : CISPR 22 CLASS-B	
Env. / Ins. : 27°C 40% / ESCS 30	Engineer : Byron Wu
EUT : Flat Panel Color Monitor M/N:170X6	
Power Rating : 120Vac/60Hz	
Test Mode : 1024*768/75Hz 60KHz D-SUB	

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dB μ V)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Remark
1	78.665	13.63	1.80	6.62	22.05	30.00	7.95	
2	116.327	19.43	2.00	0.16	21.59	30.00	8.41	
3	153.989	20.63	2.40	-1.23	21.80	30.00	8.20	
4	191.651	22.27	2.80	-1.40	23.67	30.00	6.33	
5	216.759	21.06	3.00	-2.33	21.73	30.00	8.27	
6	266.975	22.67	3.20	0.62	26.49	37.00	10.51	
7	329.745	14.76	3.80	8.89	27.45	37.00	9.55	
8	392.515	17.07	4.20	4.82	26.09	37.00	10.91	
9	455.285	17.88	4.40	3.58	25.86	37.00	11.14	
10	543.163	19.09	5.20	1.86	26.15	37.00	10.85	
11	643.595	20.06	5.60	1.25	26.91	37.00	10.09	
12	744.027	21.80	6.20	-0.38	27.62	37.00	9.38	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



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 No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei
 County, Taiwan R.O.C. Post Code:24443
 Tel:02-26092133 Fax:02-26099303
 Email:ttemc@ttemc.com.tw
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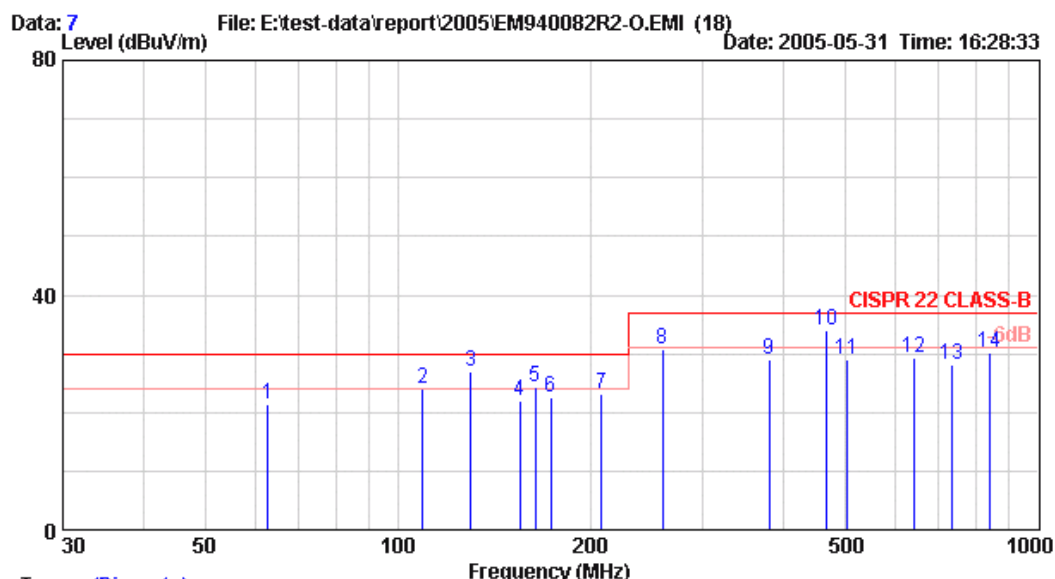
Site no. : No.3 OPEN SITE Data no. : 8
 Dis. / Ant. : 10m 6106A/6109 (0104) Ant. pol. : HORIZONTAL
 Limit : CISPR 22 CLASS-B
 Env. / Ins. : 27°C 40% / ESCS 30 Engineer : Byron Wu
 EUT : Flat Panel Color Monitor M/N:170X6
 Power Rating : 120Vac/60Hz
 Test Mode : 1280*1024/75Hz 80KHz D-SUB

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dB μ V)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Remark
1	62.401	12.05	1.40	8.69	22.13	30.00	7.87	
2	109.664	18.25	2.00	1.46	21.71	30.00	8.29	
3	130.234	19.39	2.20	3.08	24.68	30.00	5.32	
4	163.512	20.59	2.60	-1.89	21.31	30.00	8.69	
5	208.449	20.78	3.00	0.33	24.11	30.00	5.89	
6	259.562	22.65	3.40	2.61	28.66	37.00	8.34	
7	372.600	15.27	4.00	9.10	28.37	37.00	8.63	
8	468.060	17.70	4.70	10.13	32.53	37.00	4.47	
9	504.063	18.39	4.80	7.00	30.19	37.00	6.81	
10	650.170	20.35	5.60	2.20	28.15	37.00	8.85	
11	731.638	21.09	6.00	2.11	29.20	37.00	7.80	
12	960.135	24.64	7.00	-1.62	30.03	37.00	6.97	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



AUDIX Corp. EMC Laboratory
No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei
County, Taiwan R.O.C. Post Code:24443
Tel:02-26092133 Fax:02-26099303
Email:ttemc@ttemc.com.tw
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Trace: (Discrete)

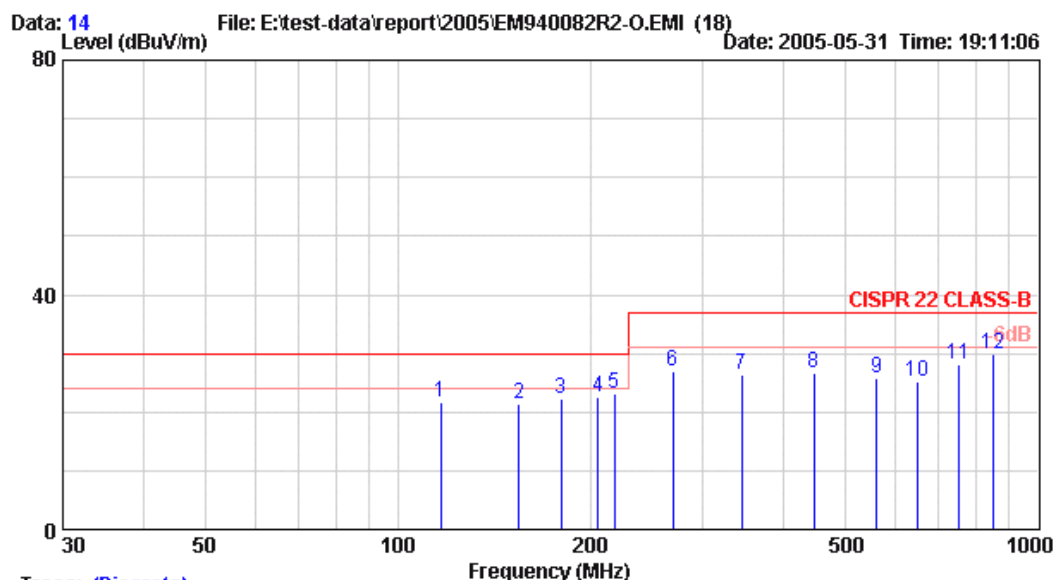
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Dis. / Ant. : 10m 6106A/6109 (0104) Ant. pol. : VERTICAL
Limit : CISPR 22 CLASS-B
Env. / Ins. : 27°C 40% / ESCS 30 Engineer : Byron Wu
EUT : Flat Panel Color Monitor M/N:170X6
Power Rating : 120Vac/60Hz
Test Mode : 1280*1024/75Hz 80KHz, font D-SUB

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dB μ V)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Remark
1	62.630	12.98	1.60	6.95	21.53	30.00	8.47	
2	109.298	16.88	2.00	5.04	23.91	30.00	6.09	
3	130.207	18.56	2.20	6.07	26.84	30.00	3.16	
4	154.970	20.36	2.50	-0.80	22.05	30.00	7.95	
5	163.960	19.90	2.60	1.82	24.32	30.00	5.68	
6	173.401	20.21	2.60	-0.17	22.64	30.00	7.36	
7	208.240	22.03	3.00	-2.01	23.03	30.00	6.97	
8	259.348	22.39	3.40	4.96	30.75	37.00	6.25	
9	380.746	16.36	4.00	8.70	29.07	37.00	7.93	
10	468.057	18.37	4.70	11.03	34.10	37.00	2.90	
11	504.051	18.75	4.80	5.34	28.89	37.00	8.11	
12	641.649	19.94	5.60	3.83	29.38	37.00	7.62	
13	735.861	21.65	6.00	0.60	28.25	37.00	8.75	
14	841.000	23.87	6.60	-0.35	30.12	37.00	6.88	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



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 No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei
 County, Taiwan R.O.C. Post Code:24443
 Tel:02-26092133 Fax:02-26099303
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Trace: (Discrete)

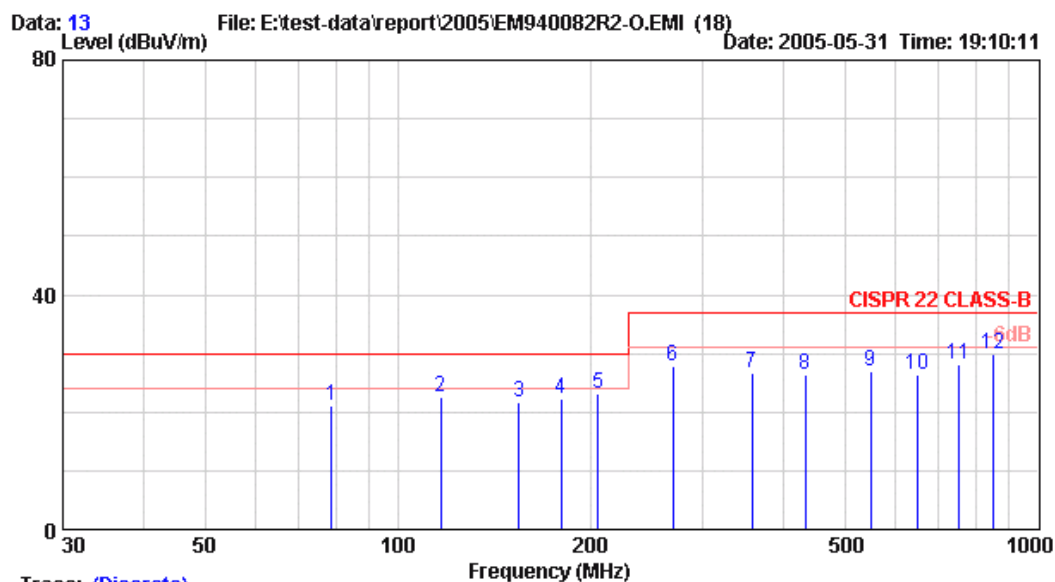
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 Dis. / Ant. : 10m 6106A/6109 (0104) Ant. pol. : HORIZONTAL
 Limit : CISPR 22 CLASS-B
 Env. / Ins. : 27°C 40% / ESCS 30 Engineer : Byron Wu
 EUT : Flat Panel Color Monitor M/N:170X6
 Power Rating : 120Vac/60Hz
 Test Mode : 640*480/60Hz 31KHz DVI

	Freq.	Ant.	Cable		Emission			
	(MHz)	Factor	Loss	Reading	Level	Limits	Margin	Remark
		(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)	
1	116.777	18.46	2.00	1.20	21.66	30.00	8.34	
2	154.784	20.22	2.50	-1.34	21.38	30.00	8.62	
3	180.122	20.97	2.60	-1.44	22.13	30.00	7.87	
4	205.460	20.71	3.00	-1.26	22.45	30.00	7.55	
5	218.129	21.36	3.00	-1.21	23.15	30.00	6.85	
6	268.805	23.18	3.20	0.66	27.04	37.00	9.96	
7	344.819	14.90	3.80	7.74	26.44	37.00	10.56	
8	446.171	16.56	4.40	5.84	26.80	37.00	10.20	
9	560.192	20.22	5.00	0.52	25.74	37.00	11.26	
10	648.875	20.24	5.60	-0.53	25.31	37.00	11.69	
11	750.227	22.30	6.20	-0.34	28.16	37.00	8.84	
12	851.579	24.00	6.60	-0.66	29.94	37.00	7.06	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



AUDIX Corp. EMC Laboratory
 No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei
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 Tel:02-26092133 Fax:02-26099303
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Trace: (Discrete)

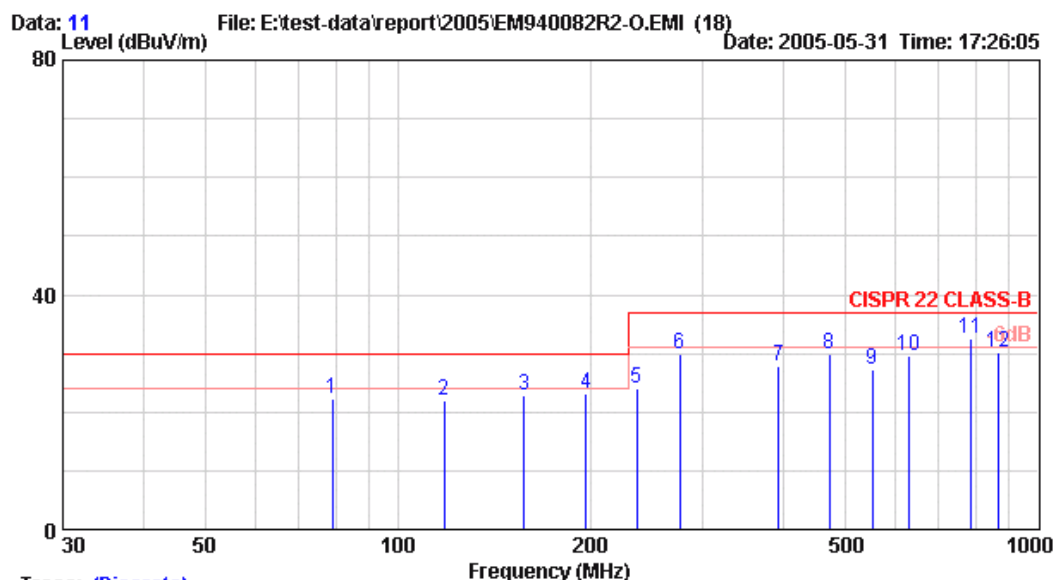
Site no. : NO.3 Open Site Data no. : 13
 Dis. / Ant. : 10m 6106A/6109 (0104) Ant. pol. : VERTICAL
 Limit : CISPR 22 CLASS-B
 Env. / Ins. : 27°C 40% / ESCS 30 Engineer : Byron Wu
 EUT : Flat Panel Color Monitor M/N:170X6
 Power Rating : 120Vac/60Hz
 Test Mode : 640*480/60Hz 31KHz DVI

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dB μ V)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Remark
1	78.770	13.63	1.80	5.59	21.02	30.00	8.98	
2	116.777	19.43	2.00	1.25	22.68	30.00	7.32	
3	154.784	20.36	2.50	-1.25	21.61	30.00	8.39	
4	180.122	21.01	2.60	-1.43	22.18	30.00	7.82	
5	205.460	21.57	3.00	-1.31	23.26	30.00	6.74	
6	268.805	23.18	3.20	1.55	27.93	37.00	9.07	
7	357.488	15.79	4.00	6.90	26.69	37.00	10.31	
8	433.502	17.28	4.40	4.67	26.35	37.00	10.65	
9	547.523	19.73	5.00	2.29	27.02	37.00	9.98	
10	648.875	20.29	5.60	0.53	26.42	37.00	10.58	
11	750.227	22.35	6.20	-0.40	28.15	37.00	8.85	
12	851.579	23.91	6.60	-0.68	29.83	37.00	7.17	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



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 No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei
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 Tel:02-26092133 Fax:02-26099303
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Trace: (Discrete)

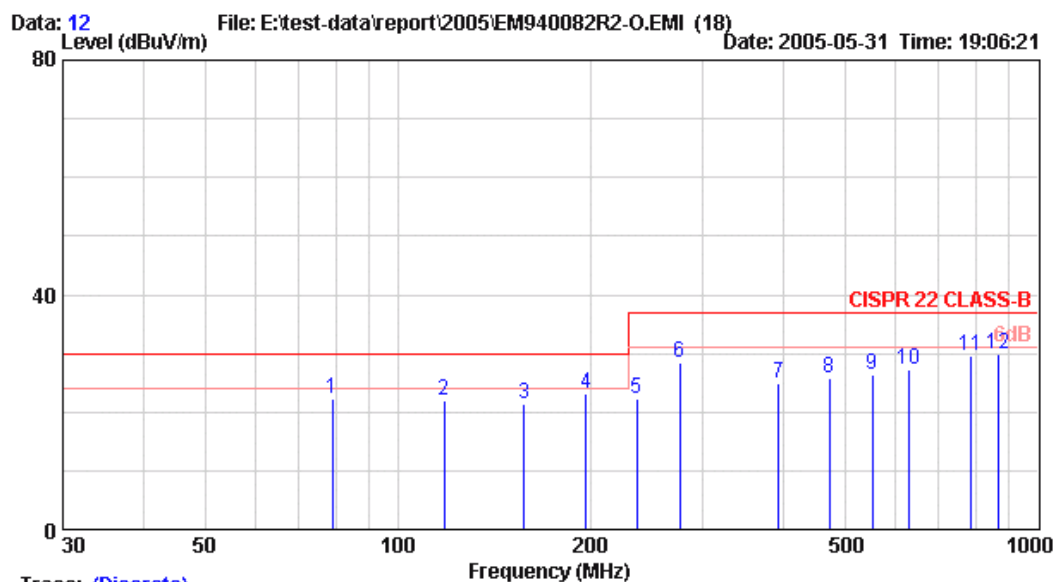
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 Dis. / Ant. : 10m 6106A/6109 (0104) Ant. pol. : HORIZONTAL
 Limit : CISPR 22 CLASS-B
 Env. / Ins. : 27°C 40% / ESCS 30 Engineer : Byron Wu
 EUT : Flat Panel Color Monitor M/N:170X6
 Power Rating : 120Vac/60Hz
 Test Mode : 1024*768/75Hz 60KHz DVI

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dB μ V)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Remark
1	79.001	13.50	1.80	6.95	22.25	30.00	7.75	
2	118.376	18.84	2.00	1.12	21.96	30.00	8.04	
3	157.751	20.07	2.40	0.35	22.82	30.00	7.18	
4	197.126	20.73	2.90	-0.50	23.13	30.00	6.87	
5	236.501	21.89	3.20	-1.06	24.03	37.00	12.97	
6	275.876	23.61	3.40	2.78	29.79	37.00	7.21	
7	394.001	16.36	4.20	7.13	27.69	37.00	9.31	
8	472.751	17.72	4.80	7.27	29.79	37.00	7.21	
9	551.501	19.66	5.20	2.34	27.20	37.00	9.80	
10	630.251	20.24	5.60	3.64	29.48	37.00	7.52	
11	787.510	22.51	6.40	3.63	32.54	37.00	4.46	
12	866.501	24.23	6.60	-0.64	30.19	37.00	6.81	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



AUDIX Corp. EMC Laboratory
 No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei
 County, Taiwan R.O.C. Post Code:24443
 Tel:02-26092133 Fax:02-26099303
 Email:ttemc@ttemc.com.tw
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Trace: (Discrete)

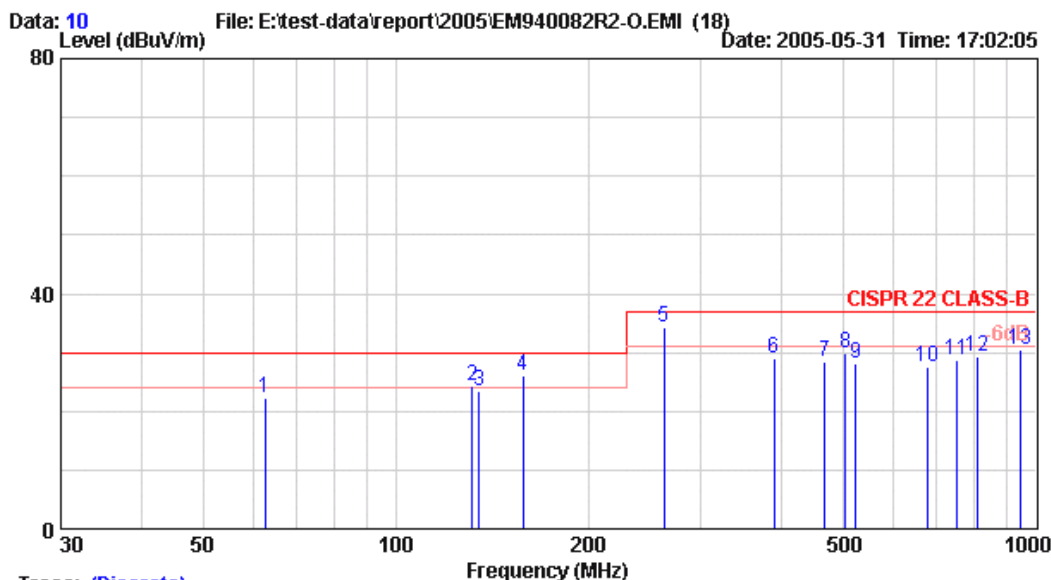
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 Dis. / Ant. : 10m 6106A/6109 (0104) Ant. pol. : VERTICAL
 Limit : CISPR 22 CLASS-B
 Env. / Ins. : 27°C 40% / ESCS 30 Engineer : Byron Wu
 EUT : Flat Panel Color Monitor M/N:170X6
 Power Rating : 120Vac/60Hz
 Test Mode : 1024*768/75Hz 60KHz DVI

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dB μ V)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Remark
1	79.000	13.52	1.80	6.99	22.31	30.00	7.69	
2	118.381	19.66	2.00	0.31	21.97	30.00	8.03	
3	157.756	19.53	2.40	-0.48	21.45	30.00	8.55	
4	197.131	21.54	2.90	-1.38	23.06	30.00	6.94	
5	236.506	20.19	3.20	-0.99	22.40	37.00	14.60	
6	275.881	23.46	3.40	1.58	28.44	37.00	8.56	
7	394.006	16.89	4.20	3.76	24.85	37.00	12.15	
8	472.756	18.46	4.80	2.54	25.80	37.00	11.20	
9	551.506	19.47	5.20	1.65	26.32	37.00	10.68	
10	630.256	20.00	5.60	1.53	27.13	37.00	9.87	
11	787.756	22.46	6.40	0.62	29.48	37.00	7.52	
12	866.506	24.01	6.60	-0.65	29.96	37.00	7.04	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



AUDIX Corp. EMC Laboratory
No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei
County, Taiwan R.O.C. Post Code:24443
Tel:02-26092133 Fax:02-26099303
Email:ttmc@ttmc.com.tw
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Trace: (Discrete)

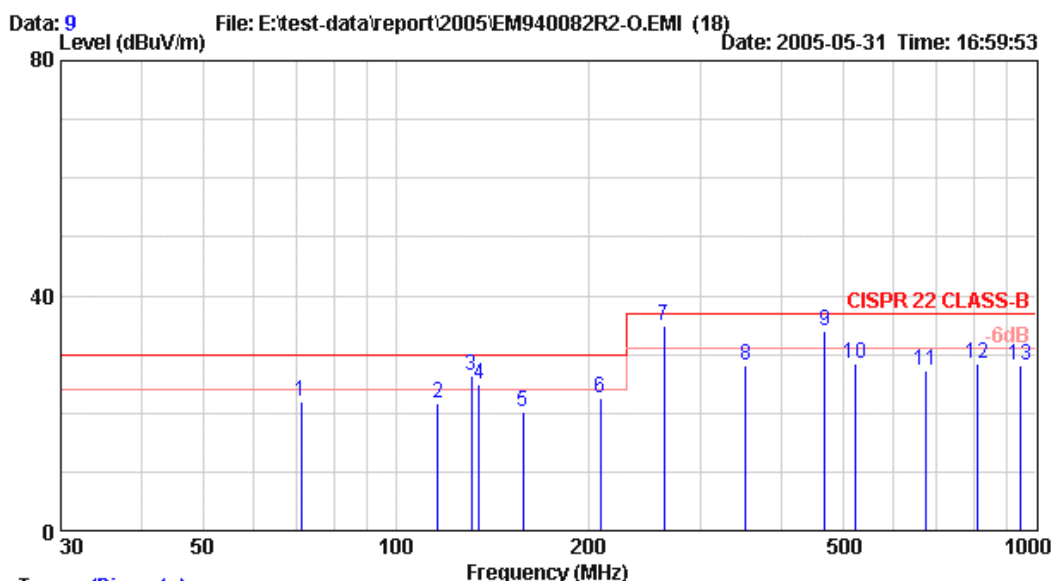
Site no. : No.3 OPEN SITE Data no. : 10
Dis. / Ant. : 10m 6106A/6109 (0104) Ant. pol. : HORIZONTAL
Limit : CISPR 22 CLASS-B
Env. / Ins. : 27°C 40% / ESCS 30 Engineer : Byron Wu
EUT : Flat Panel Color Monitor M/N:170X6
Power Rating : 120Vac/60Hz
Test Mode : 1280*1024/75Hz 80KHz DVI

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dB μ V)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Remark
1	62.436	12.05	1.40	8.84	22.28	30.00	7.72	
2	131.625	19.59	2.20	2.55	24.35	30.00	5.65	
3	135.051	19.84	2.20	1.48	23.52	30.00	6.48	
4	158.064	20.07	2.40	3.50	25.97	30.00	4.03	
5	262.340	22.79	3.40	8.11	34.30	37.00	2.70	*
6	390.049	16.12	4.20	8.83	29.15	37.00	7.85	
7	468.058	17.70	4.70	6.13	28.53	37.00	8.47	
8	504.063	18.39	4.80	6.77	29.96	37.00	7.04	
9	523.200	18.73	5.00	4.47	28.20	37.00	8.80	
10	675.360	21.25	5.60	0.82	27.67	37.00	9.33	
11	750.200	22.25	6.20	0.25	28.69	37.00	8.31	
12	810.014	22.72	6.40	0.27	29.39	37.00	7.61	
13	945.022	24.48	7.20	-1.17	30.51	37.00	6.49	

- Remarks:
1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.
 3. The worst emission was detected at 262.340MHz with corrected signal level of 34.30dB μ V/m (limit is 37.0dB μ V/m) when the antenna was at horizontal polarization and was at 4m 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.



AUDIX Corp. EMC Laboratory
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Web:www.ttemc.com



Trace: (Discrete)

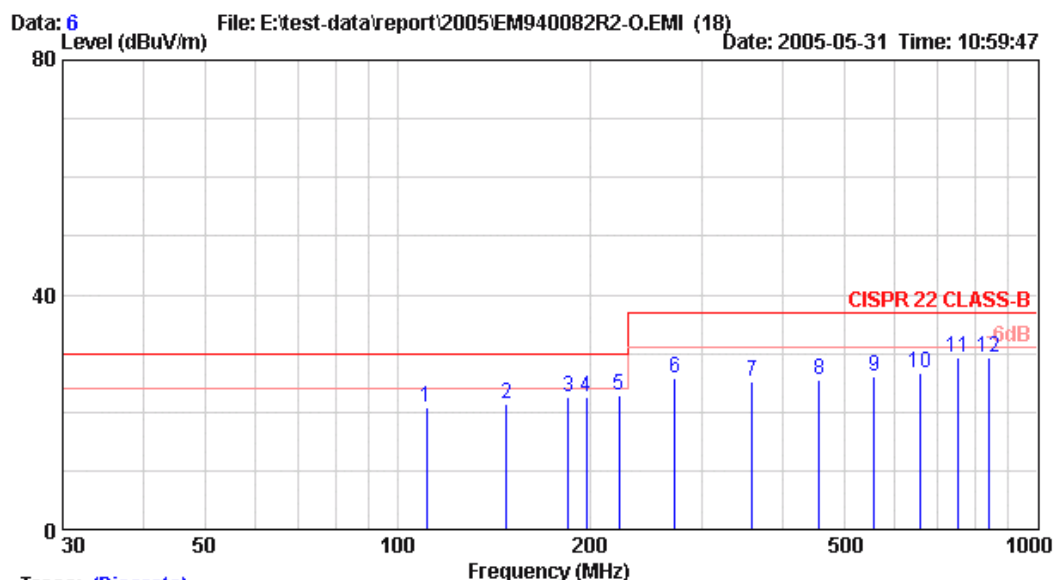
Site no. : No.3 OPEN SITE Data no. : 9
Dis. / Ant. : 10m 6106A/6109 (0104) Ant. pol. : VERTICAL
Limit : CISPR 22 CLASS-B
Env. / Ins. : 27°C 40% / ESCS 30 Engineer : Byron Wu
EUT : Flat Panel Color Monitor M/N:170X6
Power Rating : 120Vac/60Hz
Test Mode : 1280*1024/75Hz 80KHz DVI

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dB μ V)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Remark
1	71.200	12.48	1.60	7.98	22.06	30.00	7.94	
2	116.390	19.43	2.00	0.30	21.73	30.00	8.27	
3	131.175	18.63	2.20	5.55	26.38	30.00	3.62	
4	135.003	19.22	2.20	3.59	25.02	30.00	4.98	
5	158.015	19.53	2.40	-1.57	20.36	30.00	9.64	
6	208.810	22.03	3.00	-2.40	22.64	30.00	7.36	
7	262.357	22.43	3.40	8.95	34.78	37.00	2.22	*
8	351.962	15.83	4.00	8.34	28.17	37.00	8.83	
9	468.057	18.37	4.70	11.03	34.10	37.00	2.90	
10	523.845	19.19	5.00	4.32	28.51	37.00	8.49	
11	675.062	21.34	5.60	0.21	27.15	37.00	9.85	
12	809.879	22.61	6.40	-0.70	28.31	37.00	8.69	
13	945.005	24.68	7.20	-3.62	28.26	37.00	8.74	

- Remarks:
1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.
 3. The worst emission was detected at 262.357MHz with corrected signal level of 34.78dB μ V/m (limit is 37.0dB μ V/m) when the antenna was at vertical polarization and was at 1m high and the turn table was at 315°.
 4. 0°was the table front facing the antenna. Degree is calculated from 0°clockwise facing the antenna.



AUDIX Corp. EMC Laboratory
 No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei
 County, Taiwan R.O.C. Post Code:24443
 Tel:02-26092133 Fax:02-26099303
 Email:ttemc@ttemc.com.tw
 Web:www.ttemc.com



Trace: (Discrete)

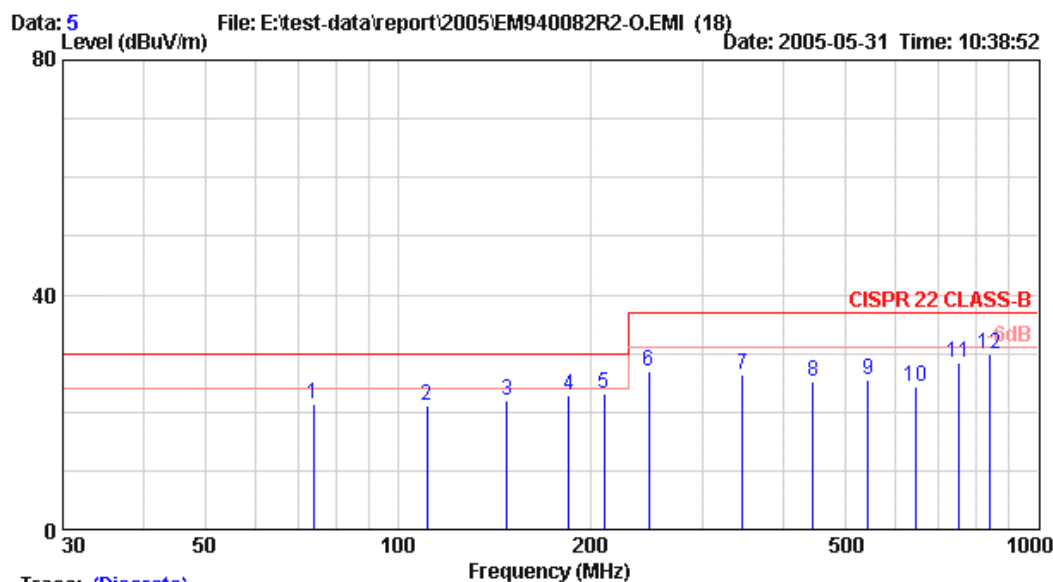
Site no. : NO.3 Open Site Data no. : 6
 Dis. / Ant. : 10m 6106A/6109 (0104) Ant. pol. : HORIZONTAL
 Limit : CISPR 22 CLASS-B
 Env. / Ins. : 27°C 40% / ESCS 30 Engineer : Byron Wu
 EUT : Flat Panel Color Monitor M/N:170C6
 Power Rating : 120Vac/60Hz
 Test Mode : 640*480/60Hz 31KHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dB μ V)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Remark
1	110.979	18.21	2.00	0.57	20.78	30.00	9.22	
2	148.074	19.98	2.40	-0.97	21.41	30.00	8.59	
3	185.169	20.80	2.60	-0.98	22.42	30.00	7.58	
4	197.534	20.70	2.80	-0.99	22.51	30.00	7.49	
5	222.264	21.58	3.00	-1.62	22.96	30.00	7.04	
6	271.724	23.33	3.40	-1.08	25.65	37.00	11.35	
7	358.279	15.12	4.00	6.12	25.24	37.00	11.76	
8	457.199	16.87	4.60	4.04	25.51	37.00	11.49	
9	556.119	19.99	5.20	0.93	26.12	37.00	10.88	
10	655.039	20.44	5.60	0.60	26.64	37.00	10.36	
11	753.959	22.12	6.30	0.89	29.31	37.00	7.69	
12	840.514	24.15	6.60	-1.38	29.37	37.00	7.63	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



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Tel:02-26092133 Fax:02-26099303
Email:ttemc@ttemc.com.tw
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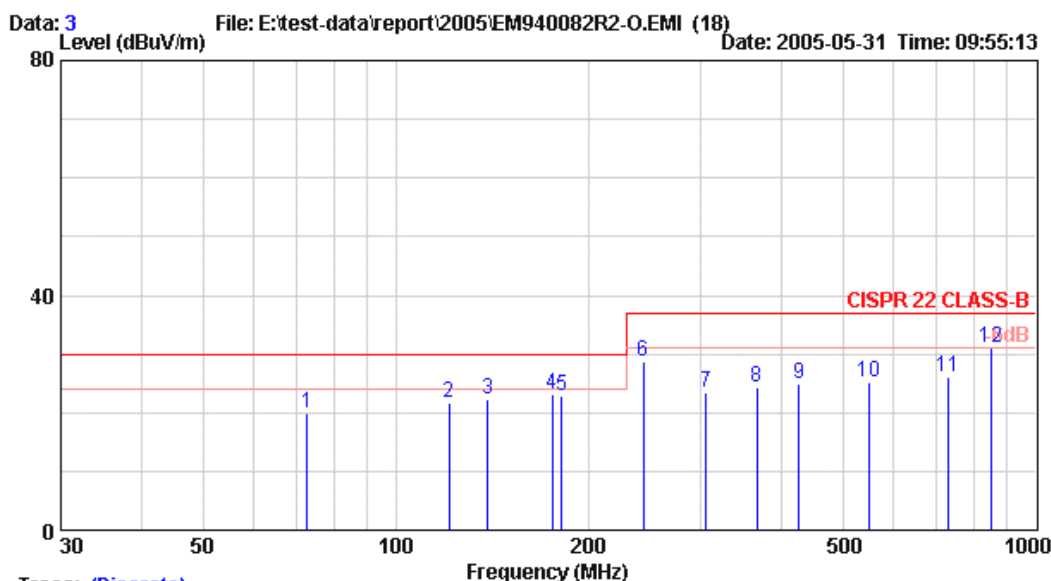
Site no. : NO.3 Open Site Data no. : 5
Dis. / Ant. : 10m 6106A/6109(0104) Ant. pol. : VERTICAL
Limit : CISPR 22 CLASS-B
Env. / Ins. : 27°C 40% / ESCS 30 Engineer : Byron Wu
EUT : Flat Panel Color Monitor M/N:170C6
Power Rating : 120Vac/60Hz
Test Mode : 640*480/60Hz 31KHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dB μ V)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Remark
1	73.884	12.98	1.60	6.95	21.53	30.00	8.47	
2	110.979	17.42	2.00	1.74	21.16	30.00	8.84	
3	148.074	20.60	2.40	-1.08	21.92	30.00	8.08	
4	185.169	21.23	2.60	-0.95	22.88	30.00	7.12	
5	209.899	22.35	3.00	-2.05	23.30	30.00	6.70	
6	246.994	21.42	3.20	2.28	26.90	37.00	10.10	
7	345.914	15.40	3.90	7.10	26.40	37.00	10.60	
8	444.834	17.04	4.40	3.83	25.27	37.00	11.73	
9	543.754	19.20	5.20	1.20	25.60	37.00	11.40	
10	642.674	20.05	5.60	-1.23	24.42	37.00	12.58	
11	753.959	22.17	6.30	-0.16	28.31	37.00	8.69	
12	840.514	23.87	6.60	-0.47	30.00	37.00	7.00	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



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Email:ttemc@ttemc.com.tw
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Trace: (Discrete)

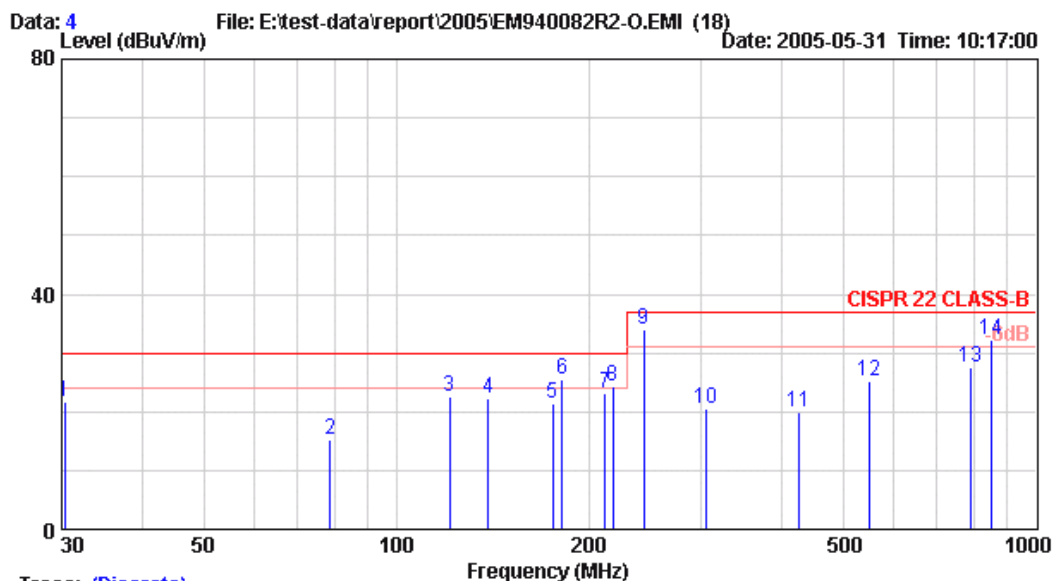
Site no. : NO.3 Open Site Data no. : 3
Dis. / Ant. : 10m 6106A/6109 (0104) Ant. pol. : HORIZONTAL
Limit : CISPR 22 CLASS-B
Env. / Ins. : 27°C 40% / ESCS 30 Engineer : Byron Wu
EUT : Flat Panel Color Monitor M/N:170C6
Power Rating : 120Vac/60Hz
Test Mode : 1024*768/75Hz 60KHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dB μ V)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Remark
1	72.727	12.87	1.60	5.34	19.81	30.00	10.19	
2	121.264	18.72	2.20	0.77	21.69	30.00	8.31	
3	139.341	19.68	2.40	0.30	22.38	30.00	7.62	
4	175.676	20.76	2.60	-0.22	23.14	30.00	6.86	
5	181.893	20.92	2.60	-0.65	22.87	30.00	7.13	
6	244.063	22.06	3.40	3.30	28.76	37.00	8.24	
7	305.575	13.82	3.60	6.02	23.44	37.00	13.56	
8	366.375	15.18	4.00	5.01	24.19	37.00	12.81	
9	427.175	16.57	4.40	3.99	24.96	37.00	12.04	
10	548.775	19.64	5.10	0.33	25.07	37.00	11.93	
11	731.175	21.09	6.00	-0.96	26.13	37.00	10.87	
12	852.775	24.06	6.60	0.27	30.93	37.00	6.07	*

- Remarks:
1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.
 3. The worst emission was detected at 852.775MHz with corrected signal level of 30.93dB μ V/m (limit is 37.0dB μ V/m) when the antenna was at horizontal polarization and was at 4m high and the turn table was at 25°.
 4. 0°was the table front facing the antenna. Degree is calculated from 0°clockwise facing the antenna.



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Trace: (Discrete)

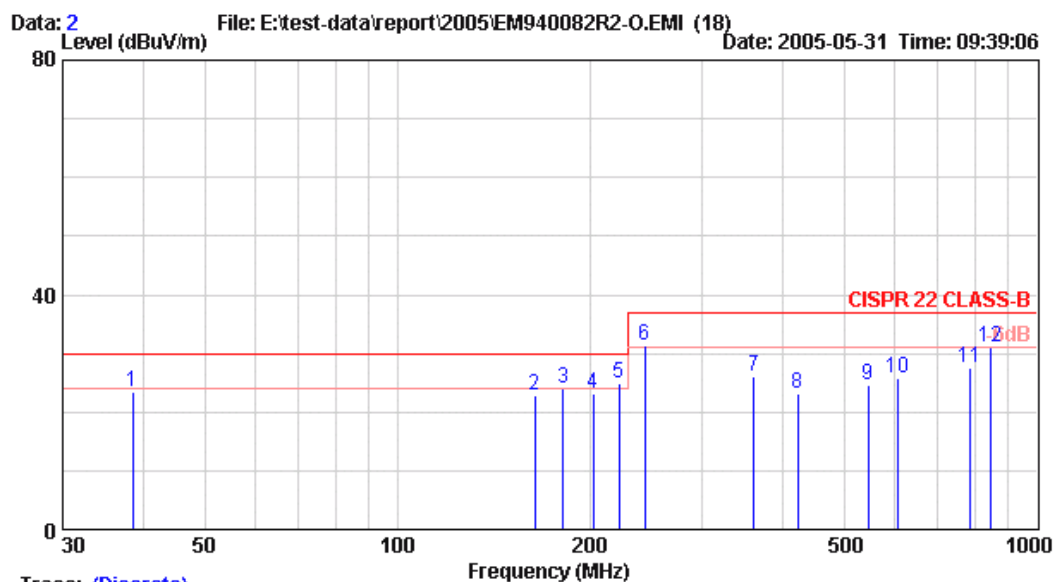
Site no. : NO.3 Open Site Data no. : 4
Dis. / Ant. : 10m 6106A/6109 (0104) Ant. pol. : VERTICAL
Limit : CISPR 22 CLASS-B
Env. / Ins. : 27°C 40% / ESCS 30 Engineer : Byron Wu
EUT : Flat Panel Color Monitor M/N:170C6
Power Rating : 120Vac/60Hz
Test Mode : 1024*768/75Hz 60KHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Emission Reading (dB μ V)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Remark
1	30.286	21.75	1.00	-1.13	21.62	30.00	8.38	
2	78.753	13.63	1.80	-0.09	15.34	30.00	14.66	
3	121.161	19.30	2.20	1.14	22.64	30.00	7.36	
4	139.335	19.00	2.40	0.94	22.34	30.00	7.66	
5	175.688	20.38	2.60	-1.48	21.50	30.00	8.50	
6	181.865	21.23	2.60	1.80	25.63	30.00	4.37	
7	212.035	21.69	2.80	-1.24	23.25	30.00	6.75	
8	218.089	21.57	3.00	-0.36	24.21	30.00	5.79	
9	244.088	21.00	3.40	9.50	33.90	37.00	3.10	*
10	305.100	14.13	3.60	2.89	20.62	37.00	16.38	
11	427.175	16.98	4.40	-1.53	19.85	37.00	17.15	
12	548.775	19.64	5.10	0.35	25.09	37.00	11.91	
13	791.975	22.70	6.20	-1.25	27.65	37.00	9.35	
14	852.775	24.02	6.60	1.47	32.09	37.00	4.91	

- Remarks:
1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.
 3. The worst emission was detected at 244.088MHz with corrected signal level of 33.90dB μ V/m (limit is 37.0dB μ V/m) when the antenna was at vertical polarization and was at 1m high and the turn table was at 200°.
 4. 0°was the table front facing the antenna. Degree is calculated from 0°clockwise facing the antenna.



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Trace: (Discrete)

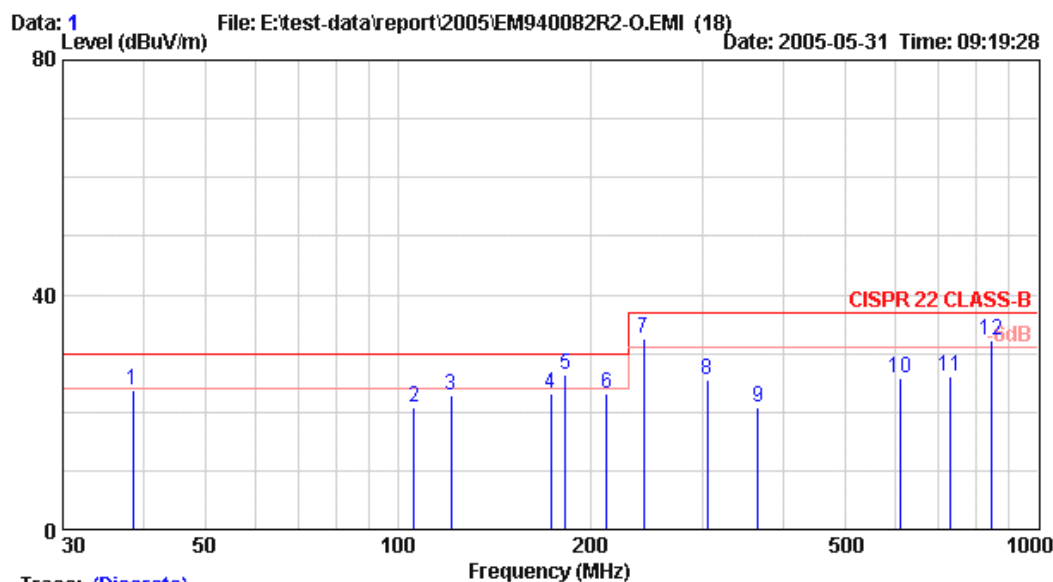
Site no. : NO.3 Open Site Data no. : 2
 Dis. / Ant. : 10m 6106A/6109 (0104) Ant. pol. : HORIZONTAL
 Limit : CISPR 22 CLASS-B
 Env. / Ins. : 27°C 40% / ESCS 30 Engineer : Byron Wu
 EUT : Flat Panel Color Monitor M/N:170C6
 Power Rating : 120Vac/60Hz
 Test Mode : 1280*1024/75Hz 80KHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dB μ V)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Remark
1	38.586	17.71	1.00	4.71	23.42	30.00	6.58	
2	163.956	20.59	2.60	-0.27	22.92	30.00	7.08	
3	181.748	20.89	2.60	0.45	23.94	30.00	6.06	
4	202.531	20.64	2.80	-0.42	23.02	30.00	6.98	
5	221.819	21.58	3.00	0.19	24.77	30.00	5.23	
6	243.905	22.06	3.40	5.88	31.34	37.00	5.66	
7	361.440	15.21	4.00	6.84	26.05	37.00	10.95	
8	422.240	16.43	4.40	2.44	23.27	37.00	13.73	
9	543.840	19.41	5.20	0.02	24.63	37.00	12.37	
10	604.640	20.38	5.40	0.05	25.83	37.00	11.17	
11	787.040	22.45	6.40	-1.31	27.54	37.00	9.46	
12	847.840	23.99	6.60	0.53	31.12	37.00	5.88	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



AUDIX Corp. EMC Laboratory
No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei
County, Taiwan R.O.C. Post Code:24443
Tel:02-26092133 Fax:02-26099303
Email:ttmc@ttmc.com.tw
Web:www.ttmc.com



Trace: (Discrete)

Site no. : NO.3 Open Site Data no. : 1
Dis. / Ant. : 10m 6106A/6109 (0104) Ant. pol. : VERTICAL
Limit : CISPR 22 CLASS-B
Env. / Ins. : 27°C 40% / ESCS 30 Engineer : Byron Wu
EUT : Flat Panel Color Monitor M/N:170C6
Power Rating : 120Vac/60Hz
Test Mode : 1280*1024/75Hz 80KHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dB μ V)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Remark
1	38.558	20.01	1.00	2.73	23.74	30.00	6.26	
2	106.069	16.33	2.00	2.54	20.87	30.00	9.13	
3	121.187	19.30	2.20	1.49	22.99	30.00	7.01	
4	173.575	20.21	2.60	0.33	23.14	30.00	6.86	
5	182.895	21.29	2.60	2.37	26.26	30.00	3.74	
6	212.175	21.69	2.80	-1.33	23.16	30.00	6.84	
7	242.315	20.88	3.20	8.42	32.50	37.00	4.50	
8	304.928	14.02	3.60	7.82	25.44	37.00	11.56	
9	365.728	15.75	4.00	0.94	20.69	37.00	16.31	
10	608.928	20.46	5.40	0.01	25.87	37.00	11.13	
11	730.528	21.20	6.00	-1.06	26.14	37.00	10.86	
12	847.853	23.89	6.60	1.65	32.14	37.00	4.86	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

4. DEVIATION TO TEST SPECIFICATIONS

[NONE]

5. PHOTOGRAPHS

5.1. Photos of Conducted Emission Measurement

Test M/N: 170X6, Test Input Port: D-Sub or DVI



FRONT VIEW OF CONDUCTED MEASUREMENT



BACK VIEW OF CONDUCTED MEASUREMENT

Test M/N: 170C6, Test Input Port: D-Sub



FRONT VIEW OF CONDUCTED MEASUREMENT



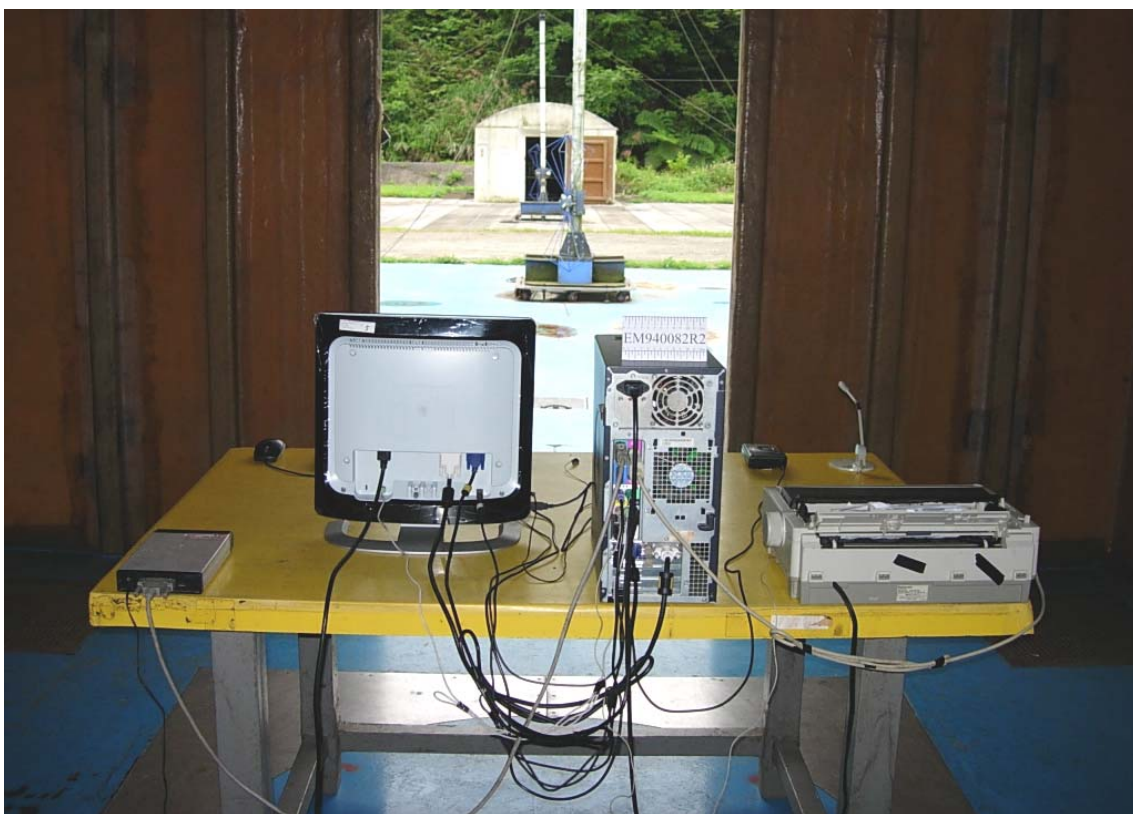
BACK VIEW OF CONDUCTED MEASUREMENT

5.2. Photos of Radiated Measurement at Open Area Test Site (30-1000MHz)

Test M/N: 170X6, Test Input Port: D-Sub or DVI



FRONT VIEW OF RADIATED MEASUREMENT



BACK VIEW OF RADIATED MEASUREMENT

Test M/N: 170X6, Test Input Port: DVI, Test Mode: 1280*1024/75Hz



SETUP WITH MAXIMUM DETECTED EMISSION AT HORIZONTAL POLARIZATION



SETUP WITH MAXIMUM DETECTED EMISSION AT VERTICAL POLARIZATION

Test M/N: 170C6, Test Input Port: D-Sub

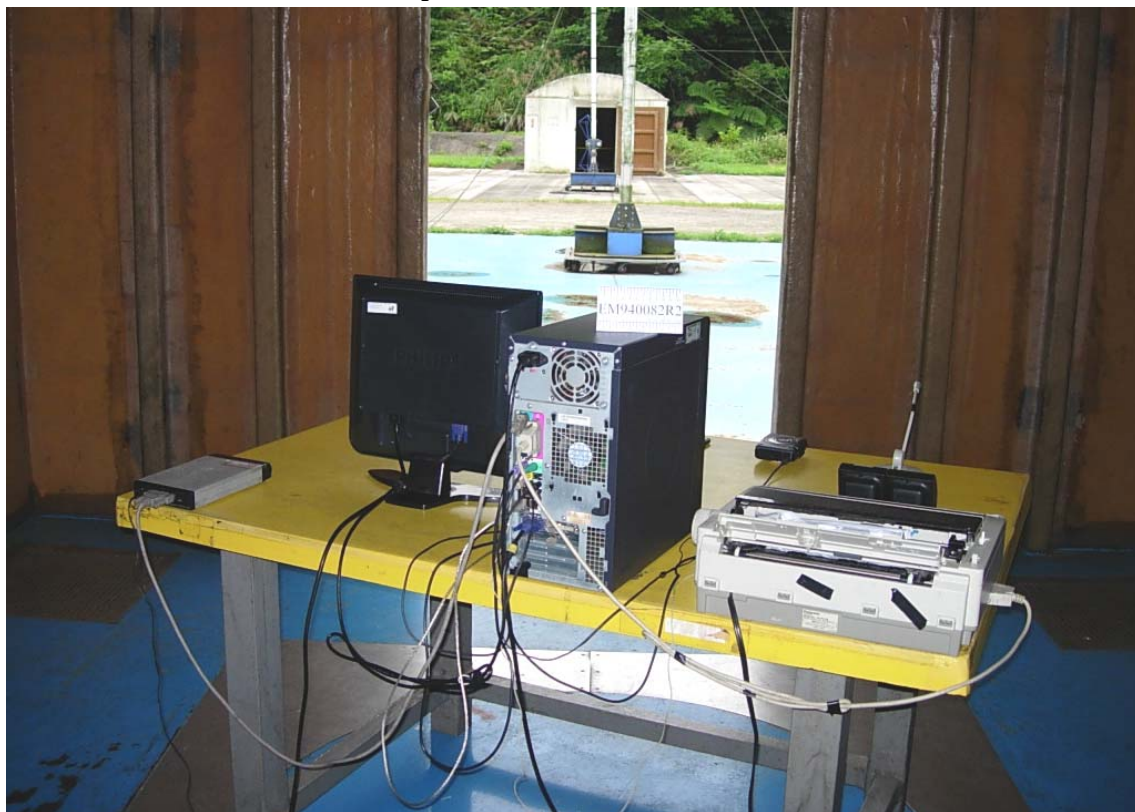


FRONT VIEW OF RADIATED MEASUREMENT



BACK VIEW OF RADIATED MEASUREMENT

Test M/N: 170C6, Test Input Port: D-Sub, Test Mode: 1024*768/75Hz



SETUP WITH MAXIMUM DETECTED EMISSION AT HORIZONTAL POLARIZATION



SETUP WITH MAXIMUM DETECTED EMISSION AT VERTICAL POLARIZATION

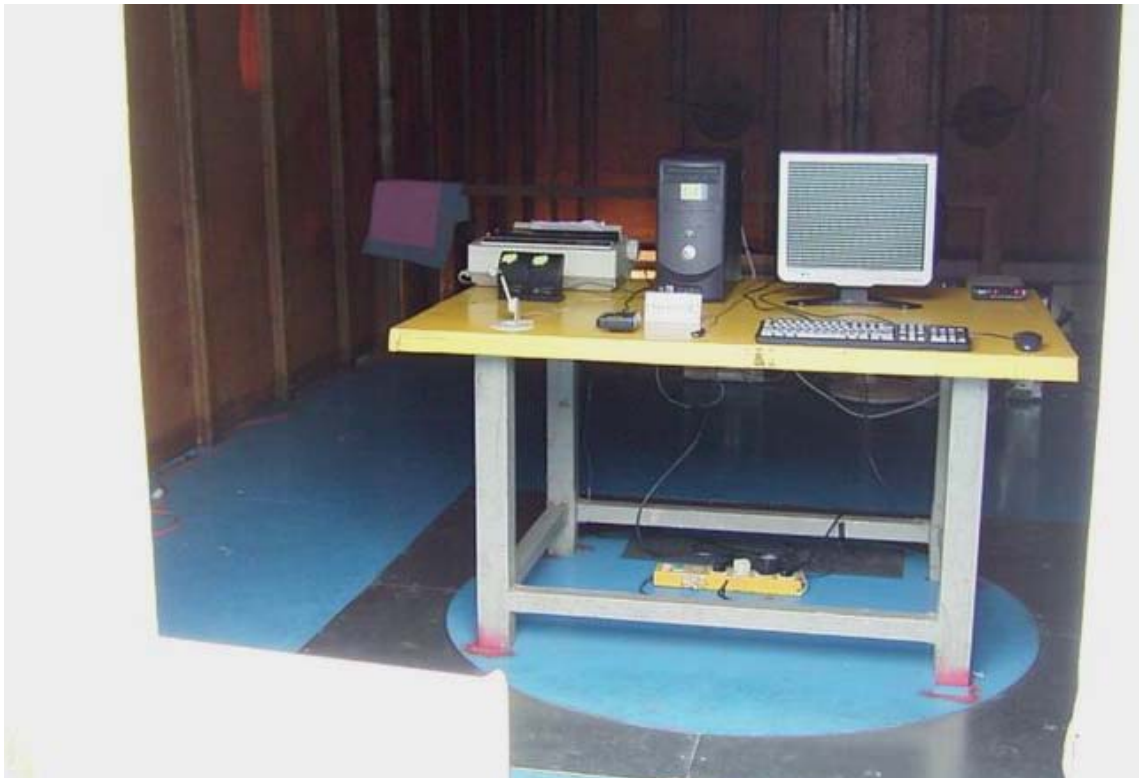
5.3. Photos of Radiated Measurement at Open Area Test Site (1-2GHz)

Test M/N: 170X6



FRONT VIEW OF RADIATED MEASUREMENT

Test M/N: 170C6



FRONT VIEW OF RADIATED MEASUREMENT