

China Great-Wall Computer ShenZhen Co., Ltd.

Color Monitor

Model Number: 1772E/1772ED

Prepared for : China Great-Wall Computer ShenZhen Co., Ltd.  
Great-Wall Bldg, Science & Industry Park,  
Shenzhen China

Prepared By : Audix Technology (Shenzhen) Co., Ltd.  
No. 6, Ke Feng Rd., 52 Block,  
Shenzhen Science & Industrial Park,  
Nantou, Shenzhen, Guangdong, China

Tel: (0755) 26639496

Report Number : ACS-F03071  
Date of Test : Apr. 02, 2003  
Date of Report : Apr. 11, 2003

## TABLE OF CONTENTS

Description	Page
FCC Test Report for Declaration of Conformity	
<b>1. GENERAL INFORMATION .....</b>	<b>1-1</b>
1.1. Description of Device (EUT) .....	1-1
1.2. Tested Supporting System Details.....	1-1
1.3. Test Facility .....	1-3
1.4. Test Uncertainty .....	1-3
<b>2. POWER LINE CONDUCTED EMISSION TEST .....</b>	<b>2-1</b>
2.1. Test Equipment.....	2-1
2.2. Block Diagram of Test Setup .....	2-1
2.3. Power Line Conducted Emission Test Limits .....	2-2
2.4. Configuration of EUT on Test.....	2-2
2.5. Operating Condition of EUT .....	2-2
2.6. Test Procedure .....	2-2
2.7. Power Line Conducted Emission Test Results.....	2-3
<b>3. RADIATED EMISSION TEST .....</b>	<b>3-1</b>
3.1. Test Equipment.....	3-1
3.2. Block Diagram of Test Setup .....	3-1
3.3. Radiated Emission Limit .....	3-2
3.4. EUT Configuration on Test.....	3-2
3.5. Operating Condition of EUT .....	3-3
3.6. Test Procedure .....	3-3
3.7. Radiated Emission Test Result.....	3-4
<b>4. DEVIATION TO TEST SPECIFICATIONS.....</b>	<b>4-1</b>
<b>5. PHOTOGRAPH .....</b>	<b>5-1</b>
5.1. Photos of Power Line Conducted Emission Test .....	5-1
5.2. Photos of Radiated Emission Test (In Anechoic Chamber).....	5-3
 APPENDIX I	 (13 pages)
APPENDIX II	(13 pages)

## TEST REPORT DECLARATION

Applicant : China Great-Wall Computer ShenZhen Co., Ltd.  
 Manufacturer : China Great-Wall Computer ShenZhen Co., Ltd. Shiyen Branch  
 Monitor Division  
 EUT Description : Color Monitor  
 (A) MODEL NO. : 1772E/1772ED  
 (B) SERIAL NO. : F2003041101  
 (C) POWER SUPPLY : 120V/60Hz

Test Procedure Used:  
 FCC Rules and Regulations Part 15 Subpart B Class B Aug 2002.

The device described above is tested by AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. to determine the maximum emission levels emanating from the device. The maximum emission levels are compared to the FCC Part 15 Subpart Class B limits both radiated and conducted emissions.

The test results are contained in this test report and AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. is assumed full responsibility for the accuracy and completeness of these tests. Also, this report shows that the Equipment Under Test (EUT) is to be technically compliant with the FCC requirements.

This report applies to above tested sample only. This report shall not be reproduced in part without written approval of AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.

This report must not be used by the applicant to claim product endorsement by NVLAP or any agency of the U.S. Government.

Date of Test : Apr.02, 2003

Prepared by : Jane Dai  
 Jane Dai / Assistant

Reviewer : Lake Wang  
 Lake Wang / Supervisor

Approved & Authorized Signer : Alex Deng  
 For and on behalf of  
 AUDIX TECHNOLOGY (SHENZHEN) CO.,LTD.  
 Alex Deng (Authorized Signer)

Name of the Representative of the Responsible Party : \_\_\_\_\_

Signature : \_\_\_\_\_

## 1. GENERAL INFORMATION

### 1.1. Description of Device (EUT)

Description : Color Monitor

Model Number : 1772E/1772ED

Trade Name : Great-Wall/KDS/HANSOL/WESCOM/DAEWOO/  
VERSUS/DAYTEK/iiyama/e-life/MARVIN  
Note: For different buyers, please refer to the above list for  
different trade names of same sample.  
There is two kinds of screen (SAMSUNG TM170EU-L01  
and AU M170EN05).

Applicant : China Great-Wall Computer ShenZhen Co., Ltd.  
Great-Wall Bldg, Science & Industry Park, Shenzhen China

Manufacturer : China Great-Wall Computer ShenZhen Co., Ltd. Shiyan  
Branch Monitor Division  
Great Wall Computer Industry Park, Baoshi East Rd, Shiyan  
Country Baoan, Shenzhen

Data Cable : Shielded, Undetachable 1.0m

Power Cord : Unshielded, Detachable 1.2m

Date of Test : Apr. 02, 2003

### 1.2. Tested Supporting System Details

#### 1.2.1. PERSONAL COMPUTER

Main Board : M/N: TUSL2-C  
Manufacturer: ASUS

Hard Disk : M/N: D740X-6L  
Manufacturer: Maxtor

Floppy Disk : JU-257A605P  
Manufacturer: Panasonic

S.P.S : M/N: MPA-250  
Manufacturer: Priver

VGA Card : M/N: CM64A  
S/N: C10G445335  
Manufacturer: Power Color

Sound Card : M/N: CT4830  
S/N: T4830120151591  
Manufacturer: CREATIVE

## 1.2.2.KEYBOARD

Model Number : DKF171M  
 Serial Number : 43902222  
 FCC ID : FBX5E9  
 Manufacturer : Datacopm Electronics Co., Ltd  
 Data Cable : Shielded, Undetachable, 1.9m

## 1.2.3.KEYBOARD(USB)

Model Number : KU-8933  
 Serial Number : 8H17800116  
 Manufacturer : Chiony Electronics Co., Ltd.  
 Data Cable : Shielded, Undetachable, 1.9m

## 1.2.4.MOUSE

Model Number : M-S34  
 Serial Number : LZA81403347  
 FCC ID : DZL211029  
 Manufacturer : Logitech  
 Data Cable : Unshielded, Undetachable, 2.5m

## 1.2.5.MOUSE(USB)

Model Number : 928S  
 Manufacturer : InteliMouse  
 FCC ID : C3KKMPS  
 Data Cable : Unshielded, 1.4m

## 1.2.6.PRINTER

Model Number : 2225C+  
 Serial Number : 22937S56660  
 FCC ID : DSI6XU225  
 Manufacturer : Hewlett Packard  
 Power Adapter : Hewlett Packard, Model 8241A  
 Data Cable : Shielded, Detachable, 1.5m

## 1.2.7.MODEM#1

Model Number : AT-1200CK  
 Serial Number : 07-317798  
 FCC ID : E2O5OV1200CK  
 Manufacturer : Datatronics Technology, Inc.  
 Data Cable : Shielded, Detachable, 1.5m  
 Power Adapter : Datatronics, Model 48C

## 1.2.8.MODEM#2

Model Number : 1200AT  
 Serial Number : AT 122257  
 FCC ID : EF56A5 1200AT  
 Manufacturer : Team Echnology, Inc  
 Data Cable : Shielded, Detachable, 1.5m  
 Power Adapter : Kaming, Model AD-09

### 1.3. Test Facility

#### Site Description

3m Anechoic Chamber	:	Certificated by FCC, USA Aug. 24, 2000
3m & 10m Open Site	:	Certificated by FCC, USA Jan. 29, 2001
	:	Certificated by VCCI, Japan Jan. 01, 1998
EMC Lab.		Certificated by DATech, German Feb. 02, 1999
		Certificated by NVLAP, USA NVLAP Code: 200372-0 Mar. 31, 2002
Name of Firm	:	Audix Technology (Shenzhen) Co., Ltd.
Site Location	:	No. 6, Ke Feng Rd., 52 Block, Shenzhen Science & Industrial Park, Nantou, Shenzhen, Guangdong, China

### 1.4. Test Uncertainty

Conducted Emission Uncertainty =  $\pm 2.66\text{dB}$

Radiated Emission Uncertainty =  $\pm 4.26\text{dB}$

## 2. POWER LINE CONDUCTED EMISSION TEST

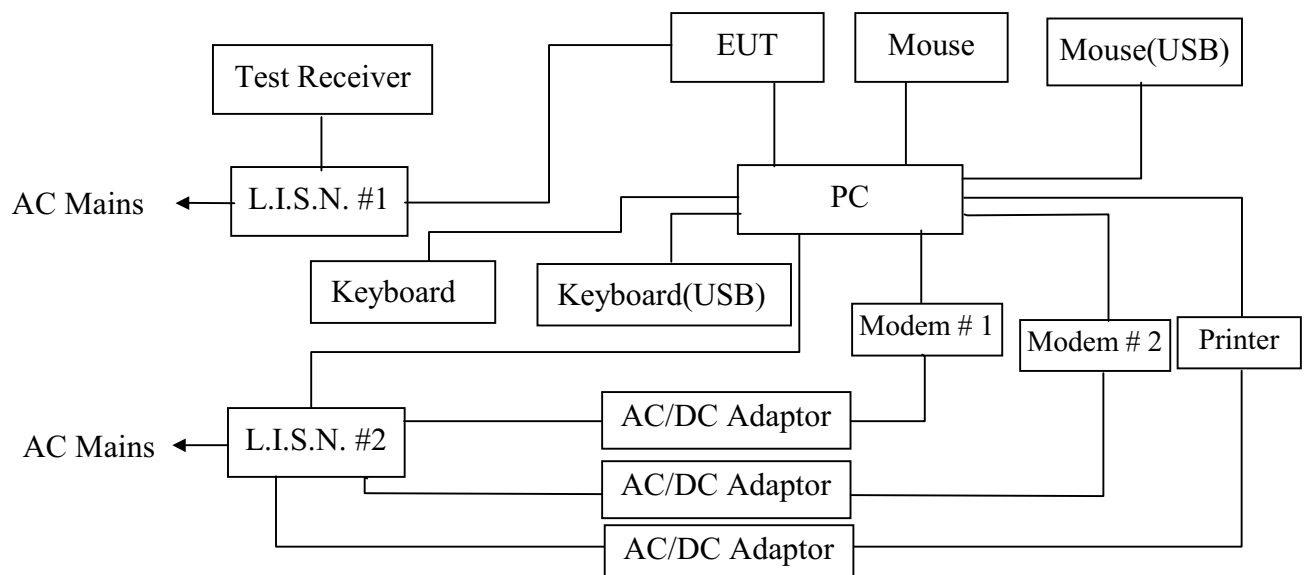
### 2.1. Test Equipment

The following test equipments are used during the power line conducted emission test:

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Test Receiver	Rohde & Schwarz	ESHS20	836600/006	Jun. 02, 02	1 Year
2.	L.I.S.N. #1	Kyoritsu	KNW-407	8-541-4	Jun. 02, 02	1 Year
3.	L.I.S.N. #2	R&S	ESH2-Z5	834066/011	Jun. 02, 02	1 Year
4.	Terminator	EMCO	50Ω	No. 1	Jun. 02, 02	1 Year
5.	Terminator	EMCO	50Ω	No. 2	Jun. 02, 02	1 Year
6.	RF Cable	FUJIKURA	RG-55/U	LISN Cable	Feb. 22, 03	1/2 Year
7.	Coaxial Switch	Anritsu	MP59B	M74389	Nov. 30, 02	1/2 Year
8.	PC	N/A	586ATXS	N/A	N/A	N/A
9.	Printer	HP	Laserjet2100	SGGJ092351	N/A	N/A

### 2.2. Block Diagram of Test Setup

#### 2.2.1. Block diagram of connection between the EUT and simulators



*(EUT: Color Monitor)*

### 2.3.Power Line Conducted Emission Test Limits

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

Notes: 1. \* Decreasing linearly with logarithm of frequency.

2. The lower limit shall apply at the transition frequencies.

### 2.4.Configuration of EUT on Test

The following equipment are installed on Power Line Conducted Emission Test to meet the commission requirement and operating regulations in a manner which tends to maximize its emission characteristics in a normal application.

#### 2.4.1.Color Monitor (EUT)

Model Number : 1772E/1772ED  
 Serial Number : F2003041101  
 Manufacturer : China Great-Wall Computer ShenZhen Co., Ltd  
 Shiyan Branch Monitor Division

2.4.2.Support Equipment : As Tested Supporting System Detail, in Section 1.2..

### 2.5.Operating Condition of EUT

2.5.1.Setup the EUT and simulator as shown as Section 2.2.

2.5.2.Turn on the power of all equipment.

2.5.3.Let the EUT work in test mode (Running "H" 640\*480 70Hz/  
 Running "H" 1024\*768 75Hz/Running "H" 1280\*1024 60Hz) and test it.

### 2.6.Test Procedure

The EUT is connected to the power mains through a line impedance stabilization network (L.I.S.N.). This provides a 50 ohm coupling impedance for the EUT. Please refer the block diagram of the test setup and photographs. Power on the EUT and let it work normally, we use a keyboard test soft ware, let EUT working in test mode, then test it. Both sides of AC line are checked to find out the maximum conducted emission. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables shall be changed according to FCC ANSI C63.4-1992 on Conducted Emission Test.

The bandwidth of test receiver (R & S ESHS20) is set at 10KHz.

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

The test result are reported on Section 2.7., all the scanning waveforms for Conducted Emission Test are attached in Appendix I.



## 2.7.Power Line Conducted Emission Test Results

**PASS.**

The frequency range from 150KHz to 30 MHz is investigated.

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

Date of Test : Apr. 02, 2003 Temperature : 24°C  
 EUT : Color Monitor Humidity : 56%  
 Model No. : 1772E Test Mode : Running "H"  
1024\*7684 75Hz  
 Test Engineer : Sean Xing

Frequency (MHz)	Reading (dB $\mu$ V)				Limit (dB $\mu$ V)	
	VA		VB		Quasi-Peak	Average
	Quasi-Peak	Average	Quasi-Peak	Average		
0.180	*	*	54.43	49.43	64.50	54.50
0.183	58.87	51.37	*	*	64.42	54.42
0.241	55.21	47.81	*	*	62.05	52.02
0.242	*	*	53.03	47.23	62.04	52.04
0.300	50.59	42.59	50.48	43.48	60.24	50.24
0.360	*	*	43.44	41.56	58.74	48.74
0.421	40.56	39.21	*	*	57.42	47.42
0.541	38.67	36.96	37.98	36.01	56.00	46.00
11.317	*	*	41.38	40.18	60.00	50.00
11.996	43.24	41.63	*	*	60.00	50.00

"\*" As the QP value is too low against AV limit, So AV Value had been omitted.

Reviewer : lake Wang



### 3. RADIATED EMISSION TEST

#### 3.1. Test Equipment

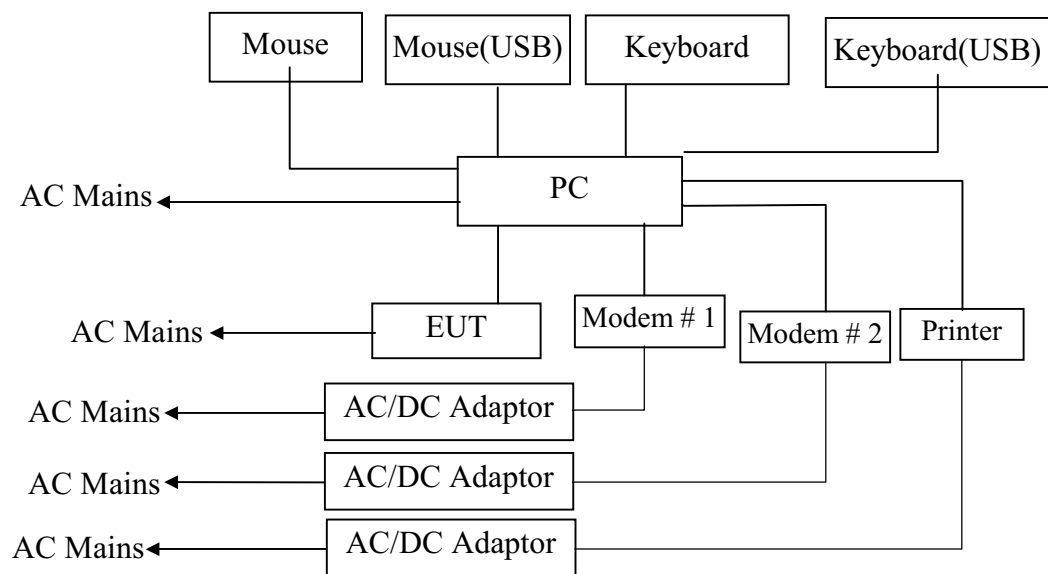
The following test equipments are used during the radiated emission test:

##### 3.1.1. For Anechoic Chamber

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	EMI Spectrum	HP	85422E	3625A00181	Jun. 02, 02	1 Year
2.	Test Receiver	Rohde & Schwarz	ESVS10	834468/011	Jun. 02, 02	1 Year
3.	Amplifier	HP	8447D	2944A07794	Mar. 19, 03	1/2 Year
4.	Bilog Antenna	Schaffner	CBL6111C	2598	Jan. 14, 03	1 Year
5.	PC	N/A	586ATX3	N/A	N/A	N/A
6.	Printer	HP	Laserjet6P	SGCF019673	N/A	N/A
7.	RF Cable	MIYAZAKI	5D-2W	3# Chamber No.1	Feb. 03, 03	1/2 Year
8.	RF Cable	MIYAZAKI	5D-2W	3# Chamber No.2	Feb. 03, 03	1/2 Year
9.	RF Cable	FUJIKURA	RG-55/U	3# Chamber No.3	Feb. 03, 03	1/2 Year
10.	RF Cable	FUJIKURA	RG-55/U	3# Chamber No.4	Feb. 03, 03	1/2 Year
11.	Coaxial Switch	Anritsu	MP59B	M73989	Nov. 30, 02	1/2 Year

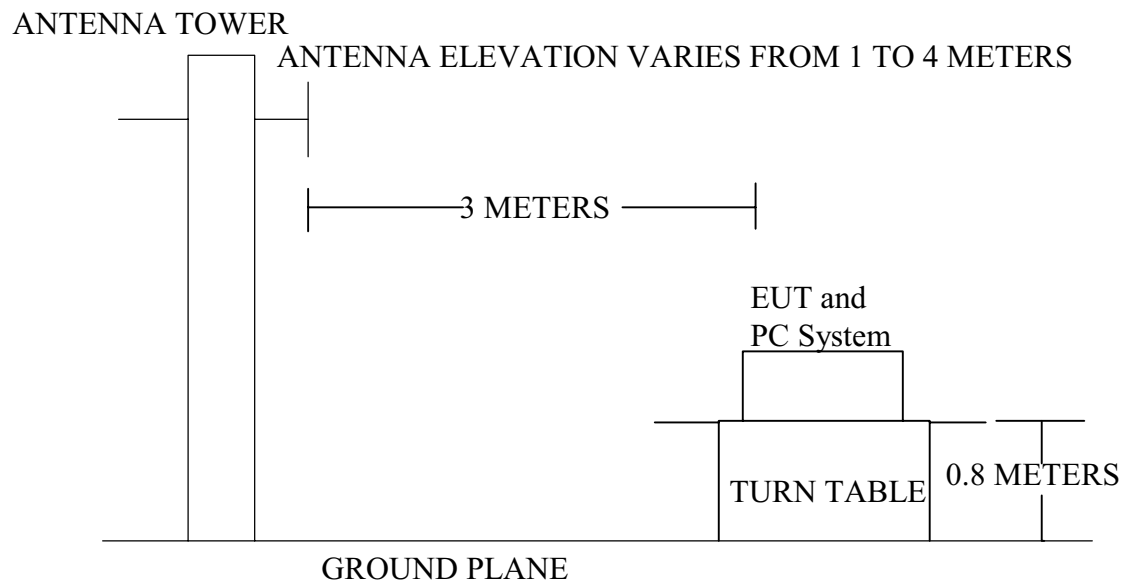
#### 3.2. Block Diagram of Test Setup

##### 3.2.1. Block diagram of connection between the EUT and simulators



(EUT: Color Monitor)

### 3.2.2. In Anechoic Chamber



### 3.3. Radiated Emission Limit

FREQUENCY MHz	DISTANCE Meters	FIELD STRENGTHS LIMIT	
		μV/m	dB(μV)/m
30 ~ 88	3	100	40.0
88 ~ 216	3	150	43.5
216 ~ 960	3	200	46.0
960 ~ 1000	3	500	54.0

- Remark :
- (1) Emission level (dB)μV = 20 log Emission level μV/m
  - (2) The smaller limit shall apply at the cross point between two frequency bands.
  - (3) Distance is the distance in meters between the measuring instrument, antenna and the closest point of any part of the device or system.

### 3.4. EUT Configuration on Test

The following equipment are installed on Radiated Emission Test to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

#### 3.4.1. Color Monitor (EUT)

Model Number : 1772E/1772ED  
 Serial Number : F2003041101  
 Manufacturer : China Great-Wall Computer ShenZhen Co., Ltd  
 Shiyuan Branch Monitor Division

3.4.2. Support Equipment : As Tested Supporting System Detail, in Section 1.2.

### 3.5. Operating Condition of EUT

1. Setup the EUT as shown in Section 3.2..
2. Let the EUT work in test mode (Running “H” 640\*480 70Hz/  
Running “H” 1024\*768 75Hz/Running “H” 1280\*1024 60Hz) and test it.

### 3.6. Test Procedure

EUT and its simulators are placed on a turn table, which is 0.8 meter high above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. Power on the EUT and let it work normally, we use a keyboard test soft ware, let EUT working in test mode, then test it. EUT is set 3 meters away from the receiving antenna, which is mounted on a antenna tower. The antenna can be moved up and down between 1 meter and 4 meters to find out the maximum emission level. Broadband antenna (calibrated bilog antenna) is used as receiving antenna. Both horizontal and vertical polarization of the antenna are set on test.

The bandwidth of the EMI test receiver (R&S ESVS20) is set at 120KHz.

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

The test mode (Running “H” 640\*480 70Hz/Running “H” 1024\*768 75Hz/  
Running “H” 1280\*1024 60Hz) is tested in Anechoic Chamber, and all the scanning waveforms are attached in Appendix II.

### 3.7.Radiated Emission Test Result

**PASS.**

The frequency range from 30MHz to 1000MHz is investigated.  
Please see the following pages.

Date of Test :	<u>Apr. 02, 2003</u>	Temperature :	<u>25.2°C</u>
EUT :	<u>Color Monitor</u>	Humidity :	<u>56%</u>
Model No. :	<u>1772E</u>	Test Mode :	<u>Running "H"</u> <u>1280*1024 60Hz</u>
Test Engineer:	<u>Sean Xing</u>		

Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading Horizontal dB $\mu$ V	Emission Level Horizontal dB $\mu$ V/m	Over Limits dB	Limits dB $\mu$ V/m
49.423	19.88	6.48	0.20	26.56	-19.44	46.00
189.080	9.38	2.90	26.50	38.78	-4.72	43.50
<b>270.013</b>	<b>12.86</b>	<b>3.46</b>	<b>26.20</b>	<b>42.52</b>	<b>-3.48</b>	<b>46.00</b>
352.040	15.63	4.20	20.60	40.43	-5.57	46.00
550.890	18.77	6.08	16.50	41.35	-4.65	46.00
771.080	21.52	6.89	11.10	39.51	-6.49	46.00

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

2. Emission Level = Antenna Factor + Cable Loss + Meter Reading

3. The worst emission was detected at 270.013MHz with corrected signal level of 42.52dB $\mu$ V/m(Limit is 46.00 dB $\mu$ V/m) when the antenna was at horizontal polarization and at 1.2m high and the turn table was at 310 ° .

4. 0 ° was the table front facing the antenna. Degree is calculated from 0 ° clockwise facing the antenna.

Reviewer :

lake Wang

Date of Test :	<u>Apr. 02, 2003</u>	Temperature :	<u>25.2°C</u>
EUT :	<u>Color Monitor</u>	Humidity :	<u>56%</u>
Model No. :	<u>1772E</u>	Test Mode :	<u>Running "H"</u> <u>1280*1024 60Hz</u>
Test Engineer:	<u>Sean Xing</u>		

Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading Vertical dB $\mu$ V	Emission Level Vertical dB $\mu$ V/m	Over Limits dB	Limits dB $\mu$ V/m
33.882	13.57	3.46	11.00	28.04	-17.97	46.00
135.730	11.23	2.35	21.30	34.88	-8.62	43.50
<b>184.230</b>	<b>8.82</b>	<b>2.84</b>	<b>25.00</b>	<b>36.66</b>	<b>-6.84</b>	<b>43.50</b>
376.290	15.26	4.38	18.60	38.24	-7.76	46.00
562.530	20.05	6.13	12.50	38.68	-7.32	46.00
771.080	21.57	6.89	8.70	37.15	-8.85	46.00

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

2. Emission Level = Antenna Factor + Cable Loss + Meter Reading

3. The worst emission was detected at 184.230MHz with corrected signal level of 36.66dB $\mu$ V/m(Limit is 43.50 dB $\mu$ V/m) when the antenna was at horizontal polarization and at 1.1m high and the turn table was at 80 ° .

4. 0 ° was the table front facing the antenna. Degree is calculated from 0 ° clockwise facing the antenna.

Reviewer : lake Wang





Date of Test :	<u>Apr. 02, 2003</u>	Temperature :	<u>25.2°C</u>
EUT :	<u>Color Monitor</u>	Humidity :	<u>56%</u>
Model No. :	<u>1772ED</u>	Test Mode :	<u>Running "H"</u> <u>1280*1024 60Hz</u>
Test Engineer:	<u>Sean Xing</u>		

Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading Vertical dB $\mu$ V	Emission Level Vertical dB $\mu$ V/m	Over Limits dB	Limits dB $\mu$ V/m
80.440	8.17	1.78	21.60	31.55	-8.45	40.00
184.230	8.82	2.84	18.50	30.16	-13.34	43.50
<b>376.290</b>	<b>15.26</b>	<b>4.38</b>	<b>20.10</b>	<b>39.74</b>	<b>-6.26</b>	<b>46.00</b>
550.890	20.21	6.08	12.40	38.69	-7.31	46.00
771.080	21.57	6.89	8.80	37.25	-8.75	46.00
895.240	23.61	7.58	7.60	38.80	-7.20	46.00

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

2. Emission Level = Antenna Factor + Cable Loss + Meter Reading

3. The worst emission was detected at 376.290MHz with corrected signal level of 39.74dB $\mu$ V/m(Limit is 46.00 dB $\mu$ V/m) when the antenna was at horizontal polarization and at 1.0m high and the turn table was at 290 ° .

4. 0 ° was the table front facing the antenna. Degree is calculated from 0 ° clockwise facing the antenna.

Reviewer :

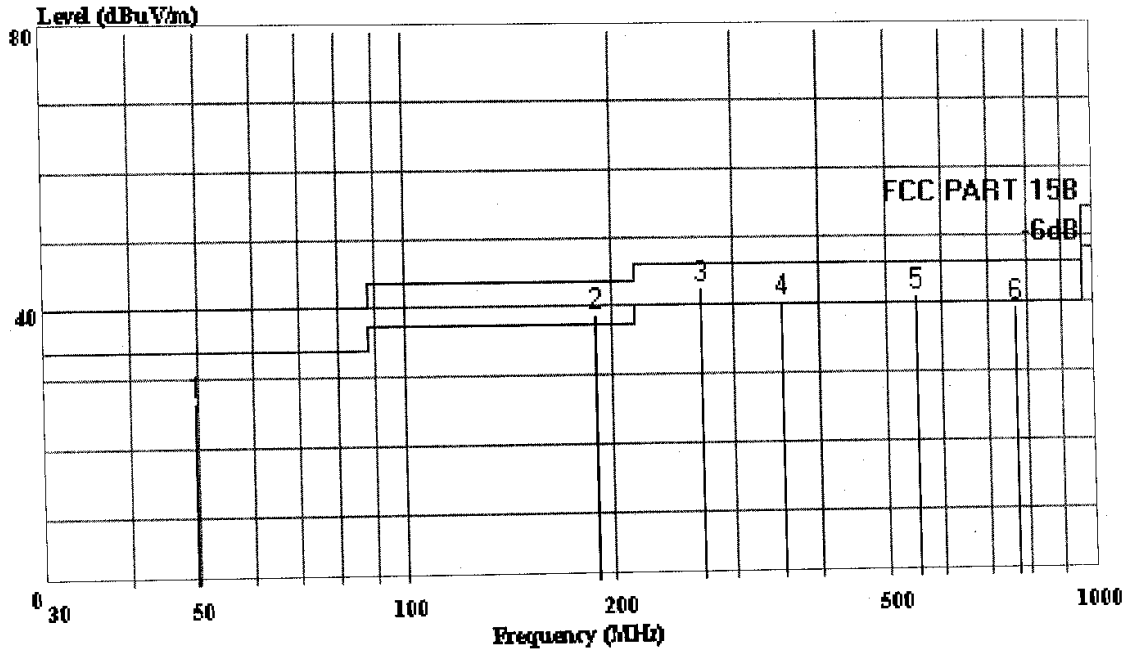
lake Wang



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.

Shenzhen Science & Ind. Park  
 Tel: 0755-26639495~7  
 Fax: 0755-26632877

Data#: 8 File#: Great-Wall.EMI Date: 2003-04-02 Time: 09:57:43



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. (3# Chamber)

Trace:

Ref Trace:

Condition: FCC PART 15B 3m 2598FACTOR HORIZONTAL  
 EUT : Color Monitor  
 M/N : 1772E  
 Power : AC 120V/60Hz  
 Test Engineer: Chris  
 Comment : Temp:25.2 C Humi:56%  
 Memo : 1280\*1024 60Hz  
 : Running "H" pattern with PC  
 : Freq:270.013MHz  
 : Ant Pos:1.2m Table Pos:310°

Page: 1

	Freq	Level	Limit	Over	Read	Probe	Cable
	MHz	dBuV/m	Line	Limit	Level	Factor	Loss
			dBuV/m	dB	dBuV	dB	dB
1	49.423	26.56	46.00	-19.44	0.20	19.88	6.48
2 !	189.080	38.78	43.50	-4.72	26.50	9.38	2.90
3 !	270.013	42.52	46.00	-3.48	26.20	12.86	3.46
4 !	352.040	40.43	46.00	-5.57	20.60	15.63	4.20
5 !	550.890	41.35	46.00	-4.65	16.50	18.77	6.08
6	771.080	39.51	46.00	-6.49	11.10	21.52	6.89



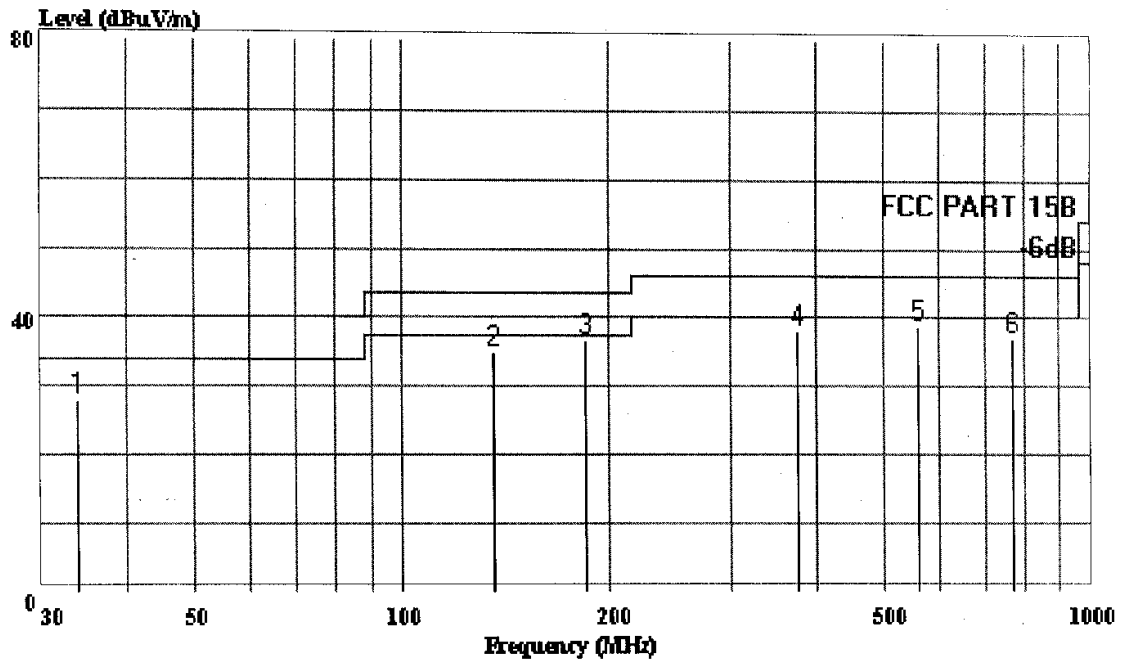
AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.

Shenzhen Science & Ind. Park

Tel: 0755-26639495~7

Fax: 0755-26632877

Data#: 7 File#: Great-Wall.EMI Date: 2003-04-02 Time: 09:46:10



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. (3# Chamber)

Trace:

Ref Trace:

Condition: FCC PART 15B 3m 2598FACTOR VERTICAL

EUT : Color Monitor

M/N : 1772F

Power : AC 120V/60Hz

Test Engineer: Chris

Comment : Temp:25.2 C Humi:56%

Memo : 1280\*1024 60Hz

: Running "H" pattern with PC

: Freq:184.230MHz

: Ant Pos:1.1m Table Pos:80°

Page: 1

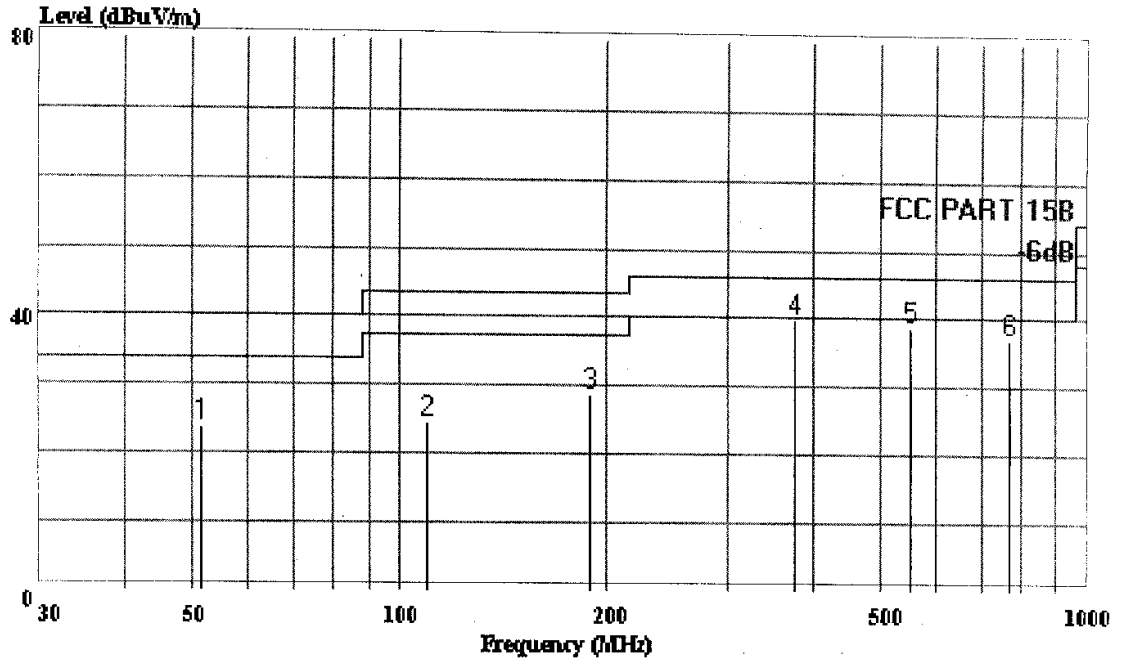
	Freq	Level	Limit	Over	Read	Probe	Cable
	MHz	dBuV/m	Line	Limit	Level	Factor	Loss
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB
1	33.882	28.04	46.00	-17.97	11.00	13.57	3.46
2	135.730	34.88	43.50	-8.62	21.30	11.23	2.35
3	184.230	36.66	43.50	-6.84	25.00	8.82	2.84
4	376.290	38.24	46.00	-7.76	18.60	15.26	4.38
5	562.530	38.68	46.00	-7.32	12.50	20.05	6.13
6	771.080	37.15	46.00	-8.85	8.70	21.57	6.89



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.

Shenzhen Science & Ind. Park  
 Tel: 0755-26639495~7  
 Fax: 0755-26632877

Data#: 16 File#: Great-Wall.EMI Date: 2003-04-02 Time: 10:52:32



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. (3# Chamber)

Trace:

Ref Trace:

Condition: FCC PART 15B 3m 2598FACTOR HORIZONTAL  
 EUT : Color Monitor  
 M/N : 1772ED  
 Power : AC 120V/60Hz  
 Test Engineer: Chris  
 Comment : Temp:25.2 C Humi:56%  
 Memo : 1280\*1024 60Hz  
 : Running "H" pattern with PC  
 : Freq:376.290MHz  
 : Ant Pos:1.3m Table Pos:30°

Page: 1

	Freq	Level	Limit	Over	Read	Probe	Cable
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB
1	51.340	24.06	40.00	-15.94	17.70	4.96	1.39
2	109.540	24.64	43.50	-18.86	11.80	10.75	2.09
3	189.080	28.78	43.50	-14.72	16.50	9.38	2.90
4	376.290	39.86	46.00	-6.14	19.50	15.98	4.38
5	550.890	38.85	46.00	-7.15	14.00	18.77	6.08
6	771.080	37.11	46.00	-8.89	8.70	21.52	6.89



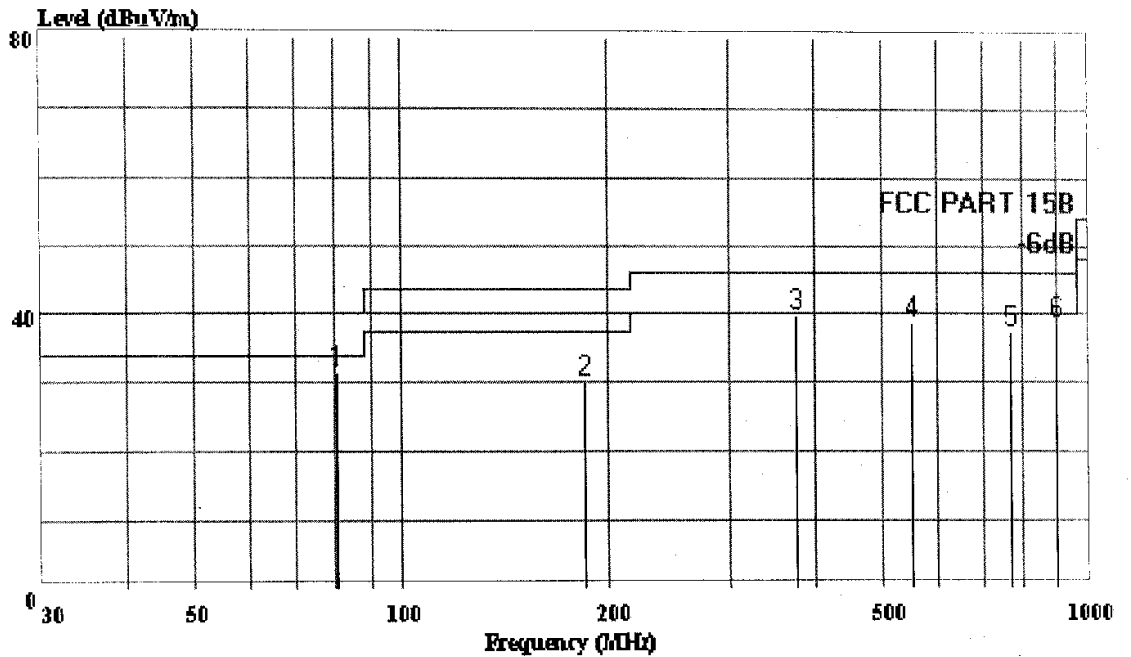
AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.

Shenzhen Science & Ind. Park

Tel: 0755-26639495~7

Fax: 0755-26632877

Data#: 15 File#: Great-Wall.EMI Date: 2003-04-02 Time: 10:38:34



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. (3# Chamber)

Trace:

Ref Trace:

Condition: FCC PART 15B 3m 2598FACTOR VERTICAL

EUT : Color Monitor

M/N : 1772ED

Power : AC 120V/60Hz

Test Engineer: Chris

Comment : Temp:25.2 C Humi:56%

Memo : 1280\*1024 60Hz

: Running "H" pattern with PC

: Freq:376.290MHz

: Ant Pos:1.0m Table Pos:290°

Page: 1

	Freq	Level	Limit	Over	Read	Probe	Cable
	MHz	dBuV/m	Line	Limit	Level	Factor	Loss
			dBuV/m	dB	dBuV	dB	dB
1	80.440	31.55	40.00	-8.45	21.60	8.17	1.78
2	184.230	30.16	43.50	-13.34	18.50	8.82	2.84
3	376.290	39.74	46.00	-6.26	20.10	15.26	4.38
4	550.890	38.69	46.00	-7.31	12.40	20.21	6.08
5	771.080	37.25	46.00	-8.75	8.80	21.57	6.89
6	895.240	38.80	46.00	-7.20	7.60	23.61	7.58

#### **4. DEVIATION TO TEST SPECIFICATIONS**

(None.)

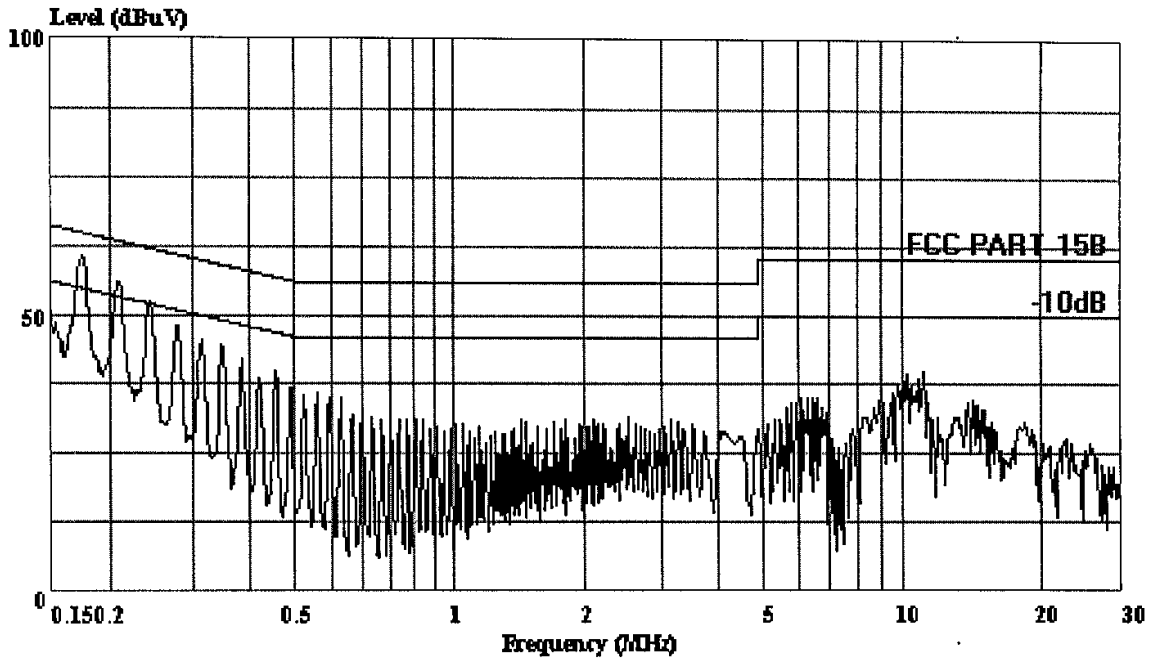
# APPENDIX I



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.

Shenzhen Science & Ind Park  
 Tel:0755-26639496  
 Fax:26632877

Data#: 25 File#: GreatWall.EMI Date: 2003-04-02 Time: 13:47:57



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. (Audix ATC)

Trace:

Ref Trace:

Condition: FCC PART 15B VA(KNW-407)

EUT : Color Monitor

M/N : 1772E

Power : AC 120V/60Hz

Test Engineer: Creed

Comment : Temp:24'C, Humi:56%

Memo : 640\*480 70Hz

: Running "H" pattern with PC

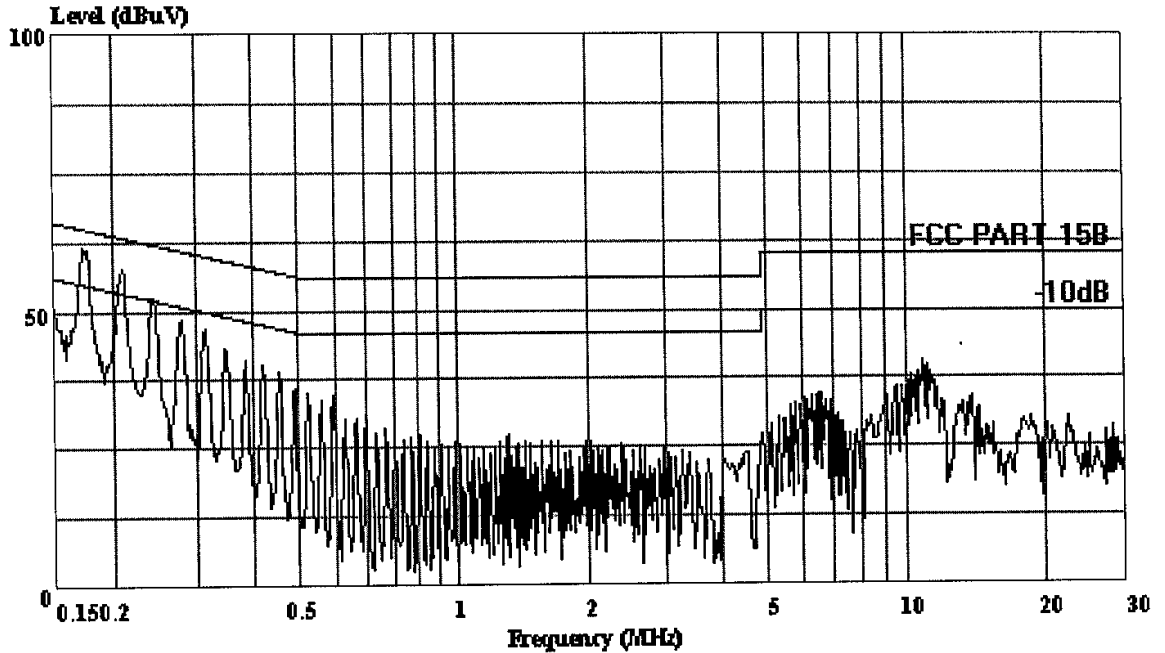




AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.

Shenzhen Science & Ind Park  
 Tel:0755-26639496  
 Fax:26632877

Data#: 23 File#: GreatWall.EMI Date: 2003-04-02 Time: 13:46:44



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. (Audix ATC)

Trace:

Ref Trace:

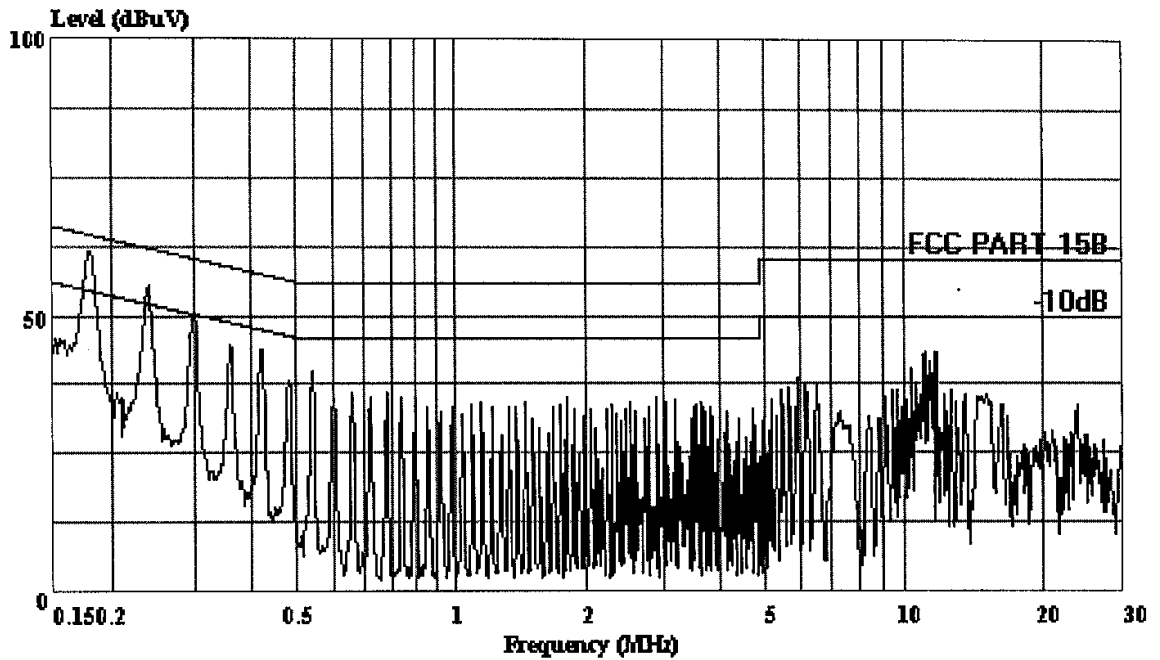
Condition: FCC PART 15B VB(KNW-407)  
 EUT : Color Monitor  
 M/N : 1772E  
 Power : AC 120V/60Hz  
 Test Engineer: Creed  
 Comment : Temp:24'C, Humi:56%  
 Memo : 640\*480 70Hz  
 : Running "H" pattern with PC



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.

Shenzhen Science & Ind Park  
 Tel:0755-26639496  
 Fax:26632877

Data#: 27 File#: GreatWall.EMI Date: 2003-04-02 Time: 13:49:42



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. (Audix ATC)

Trace:

Ref Trace:

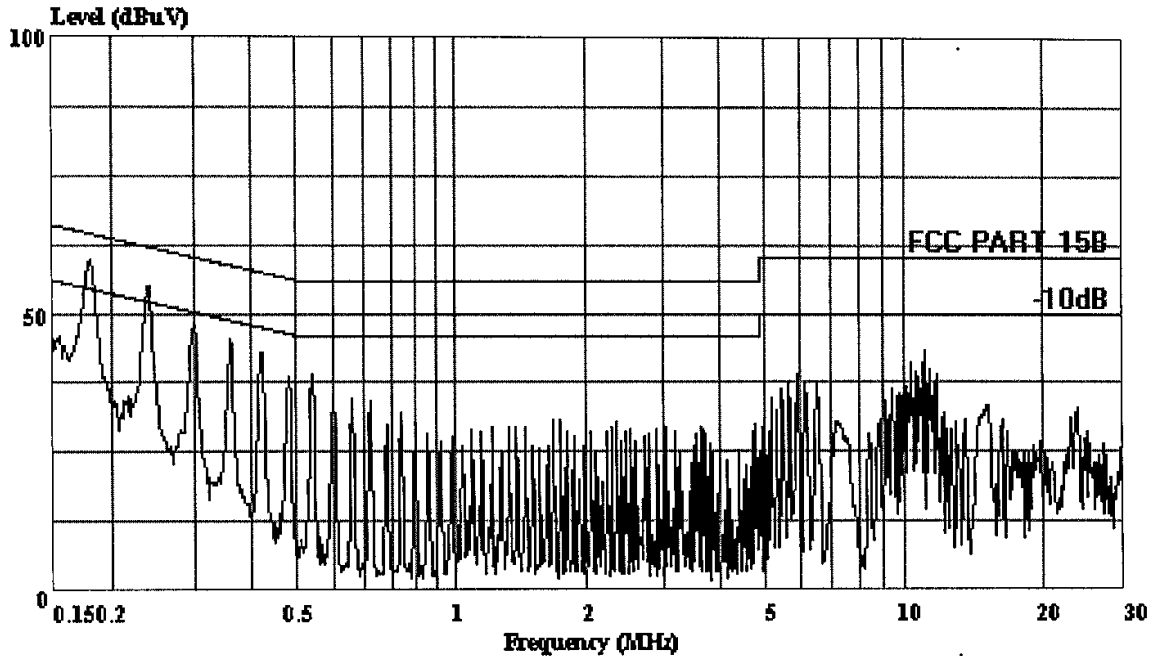
Condition: FCC PART 15B VA(KNW-407)  
 EUT : Color Monitor  
 M/N : 1772E  
 Power : AC 120V/60Hz  
 Test Engineer: Creed  
 Comment : Temp:24'C, Humi:56%  
 Memo : 1024\*768 75Hz  
 : Running "H" pattern with PC



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.

Shenzhen Science & Ind Park  
 Tel:0755-26639496  
 Fax:26632877

Data#: 29 File#: GreatWall.EMI Date: 2003-04-02 Time: 14:00:18



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. (Audix ATC)

Trace:

Ref Trace:

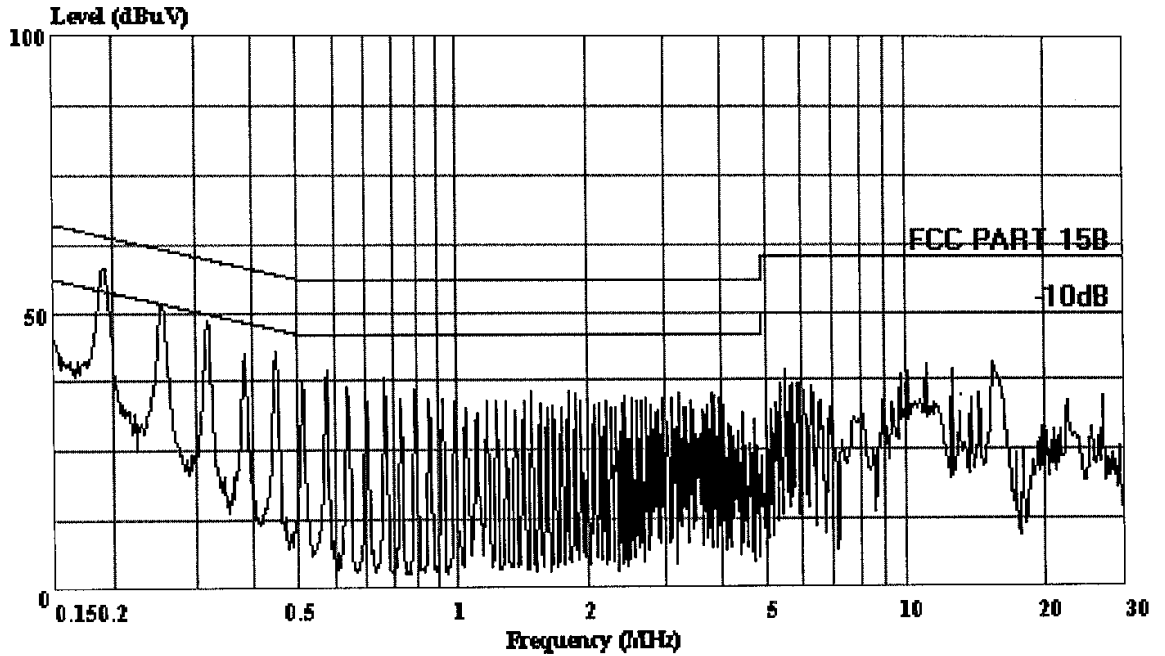
Condition: FCC PART 15B VB(KNW-407)  
 EUT : Color Monitor  
 M/N : 1772E  
 Power : AC 120V/60Hz  
 Test Engineer: Creed  
 Comment : Temp:24'C, Humi:56%  
 Memo : 1024\*768 75Hz  
 : Running "H" pattern with PC



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.

Shenzhen Science & Ind Park  
 Tel:0755-26639496  
 Fax:26632877

Data#: 33 File#: GreatWall.EMI Date: 2003-04-02 Time: 14:02:56



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. (Audix ATC)

Trace:

Ref Trace:

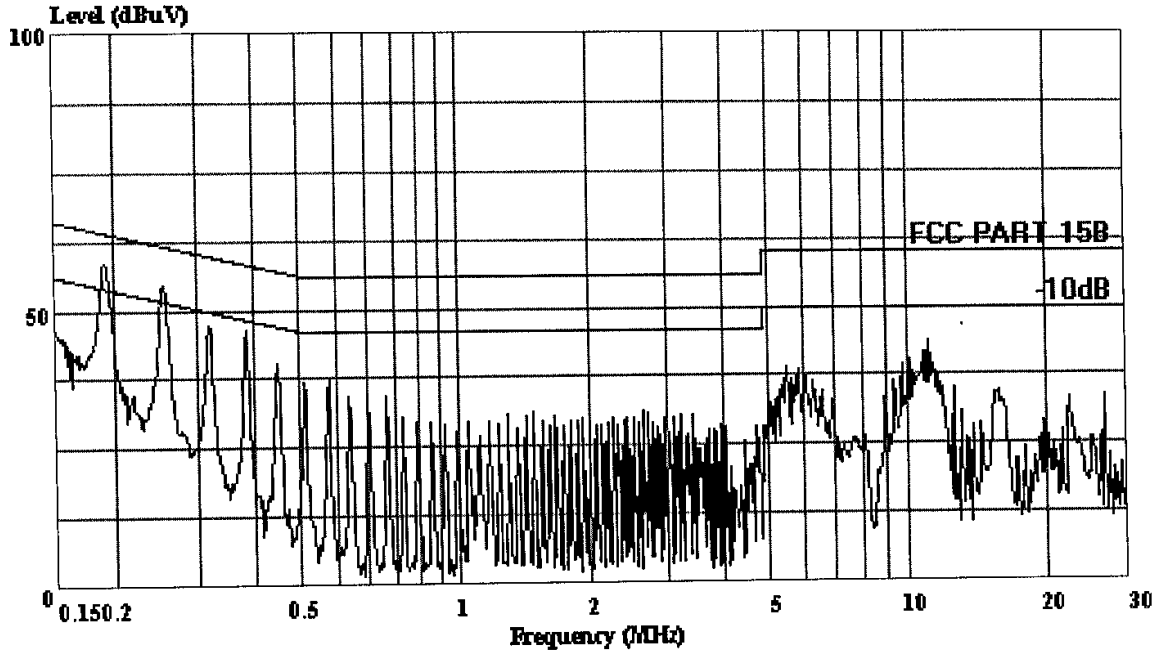
Condition: FCC PART 15B VA(KNW-407)  
 EUT : Color Monitor  
 M/N : 1772E  
 Power : AC 120V/60Hz  
 Test Engineer: Creed  
 Comment : Temp:24'C, Humi:56%  
 Memo : 1280\*1024 60Hz  
 : Running "H" pattern with PC



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.

Shenzhen Science & Ind Park  
 Tel:0755-26639496  
 Fax:26632877

Data#: 31 File#: GreatWall.EMI Date: 2003-04-02 Time: 14:01:49



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. (Audix ATC)

Trace:

Ref Trace:

Condition: FCC PART 15B VB(KNW-407)  
 EUT : Color Monitor  
 M/N : 1772E  
 Power : AC 120V/60Hz  
 Test Engineer: Creed  
 Comment : Temp:24'C, Humi:56%  
 Memo : 1280\*1024 60Hz  
 : Running "H" pattern with PC



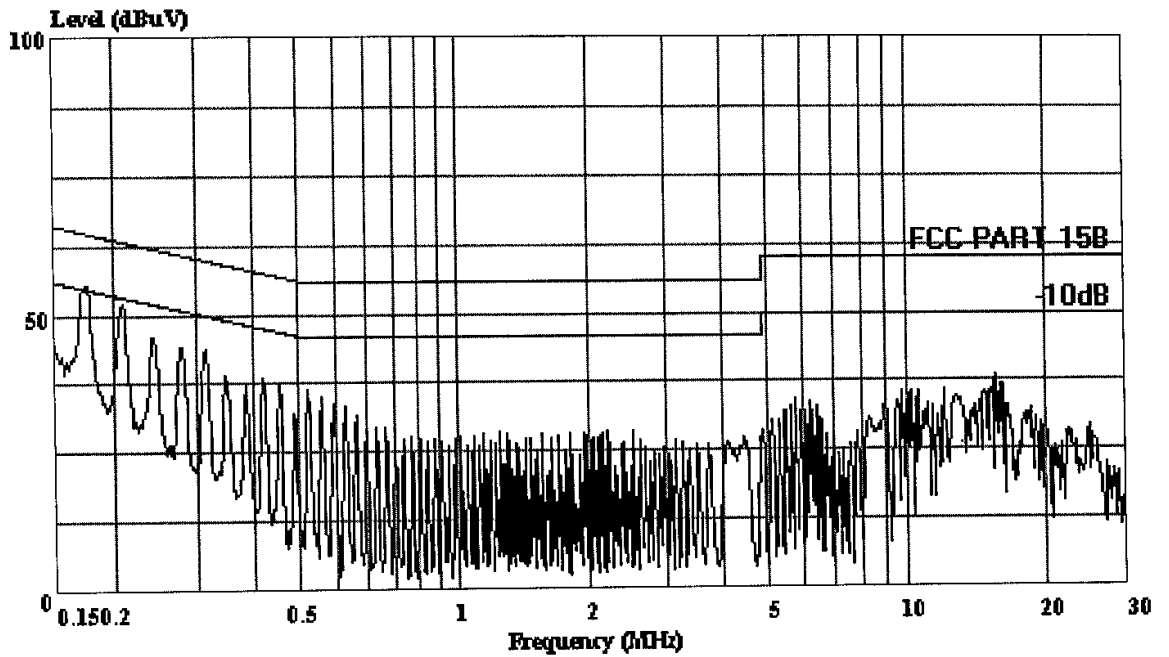
AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.

Shenzhen Science &amp; Ind Park

Tel:0755-26639496

Fax:26632877

Data#: 19 File#: GreatWall.EMI Date: 2003-04-02 Time: 13:43:37



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. (Audix ATC)

Trace:

Ref Trace:

Condition: FCC PART 15B VA(KNW-407)

EUT : Color Monitor

M/N : 1772ED

Power : AC 120V/60Hz

Test Engineer: Creed

Comment : Temp:24'C, Humi:56%

Memo : 640\*480 70Hz

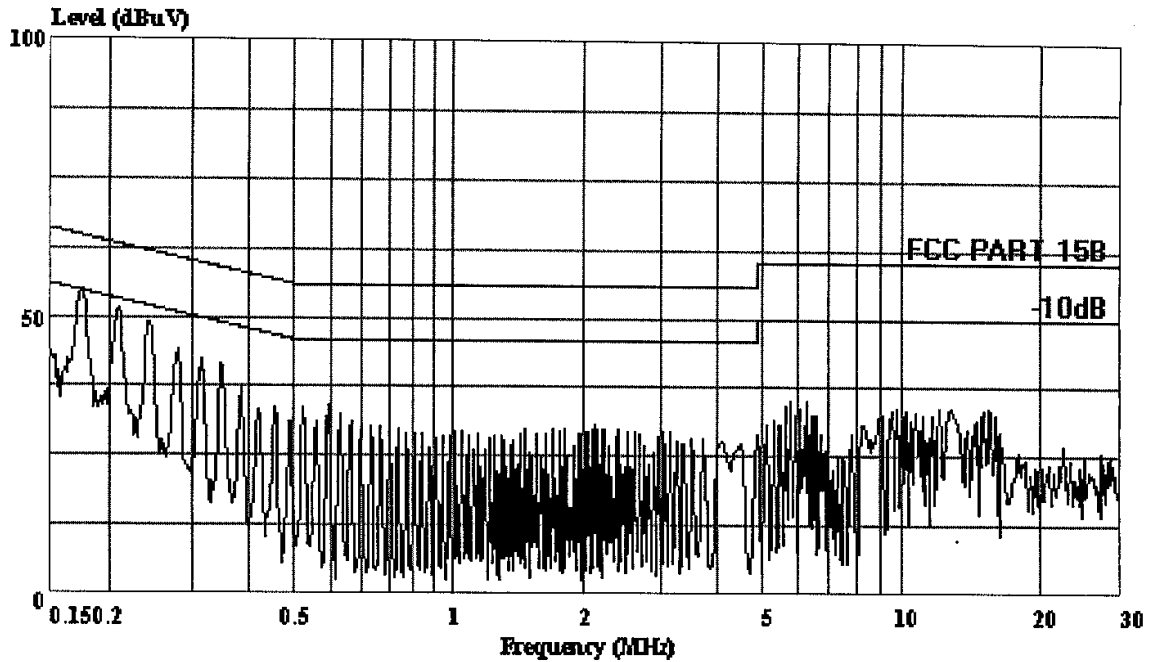
: Running "H" pattern with PC



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.

Shenzhen Science & Ind Park  
 Tel:0755-26639496  
 Fax:26632877

Data#: 21 File#: GreatWall.EMI Date: 2003-04-02 Time: 13:44:29



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. (Audix ATC)

Trace:

Ref Trace:

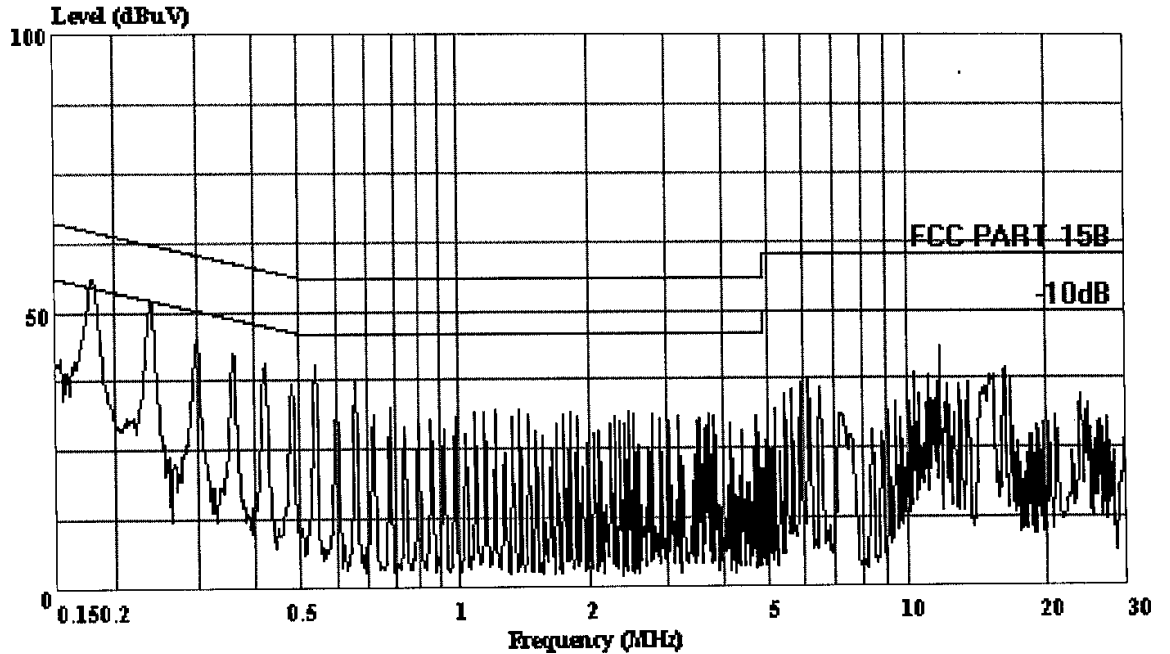
Condition: FCC PART 15B VB(KNW-407)  
 EUT : Color Monitor  
 M/N : 1772ED  
 Power : AC 120V/60Hz  
 Test Engineer: Creed  
 Comment : Temp:24'C, Humi:56%  
 Memo : 640\*480 70Hz  
 : Running "H" pattern with PC



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.

Shenzhen Science & Ind Park  
 Tel:0755-26639496  
 Fax:26632877

Data#: 17 File#: GreatWall.EMI Date: 2003-04-02 Time: 13:42:28



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. (Audix ATC)

Trace:

Ref Trace:

Condition: FCC PART 15B VA(KNW-407)  
 EUT : Color Monitor  
 M/N : 1772ED  
 Power : AC 120V/60Hz  
 Test Engineer: Creed  
 Comment : Temp:24'C, Humi:56%  
 Memo : 1024\*768 75Hz  
 : Running "H" pattern with PC

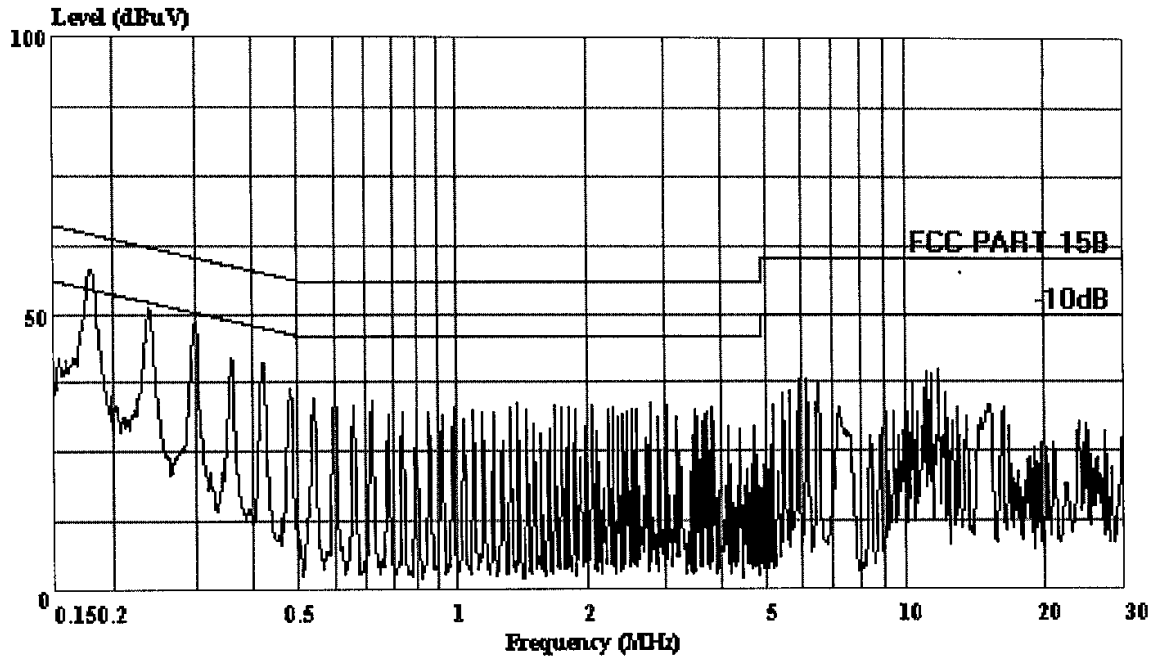




AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.

Shenzhen Science & Ind Park  
 Tel:0755-26639496  
 Fax:26632877

Data#: 15 File#: GreatWall.EMI Date: 2003-04-02 Time: 13:41:23



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. (Audix ATC)

Trace:

Ref Trace:

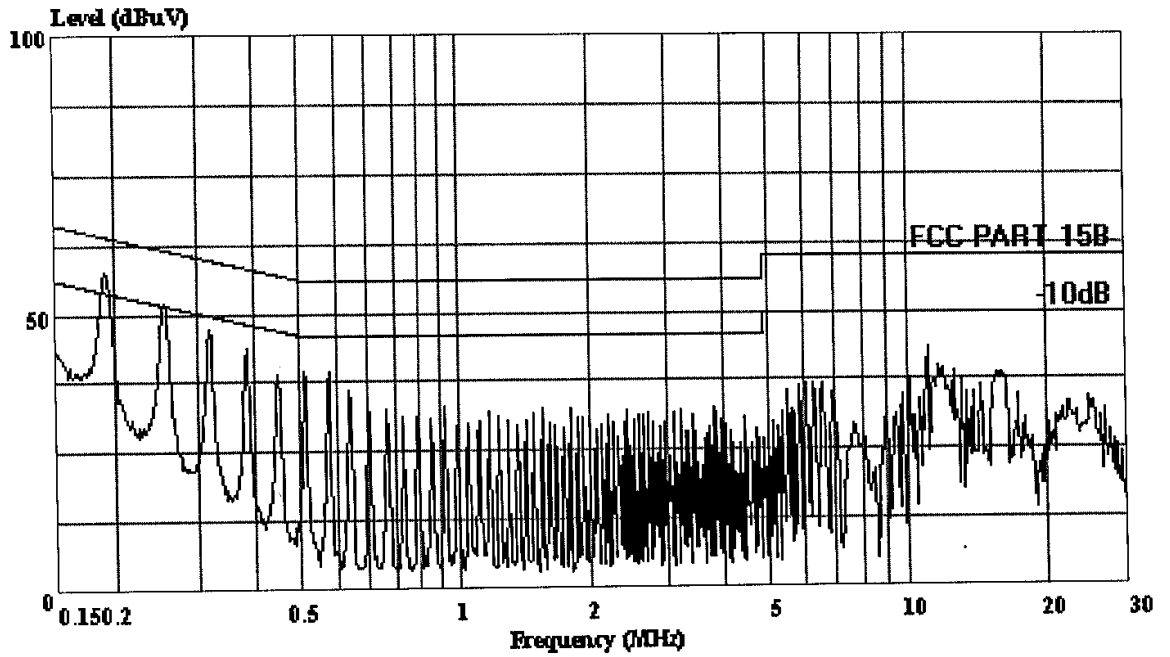
Condition: FCC PART 15B VB(KNW-407)  
 EUT : Color Monitor  
 M/N : 1772ED  
 Power : AC 120V/60Hz  
 Test Engineer: Creed  
 Comment : Temp:24'C, Humi:56%  
 Memo : 1024\*768 75Hz  
 : Running "H" pattern with PC



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.

Shenzhen Science & Ind Park  
 Tel:0755-26639496  
 Fax:26632877

Data#: 11 File#: GreatWall.EMI Date: 2003-04-02 Time: 13:37:56



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. (Audix ATC)

Trace:

Ref Trace:

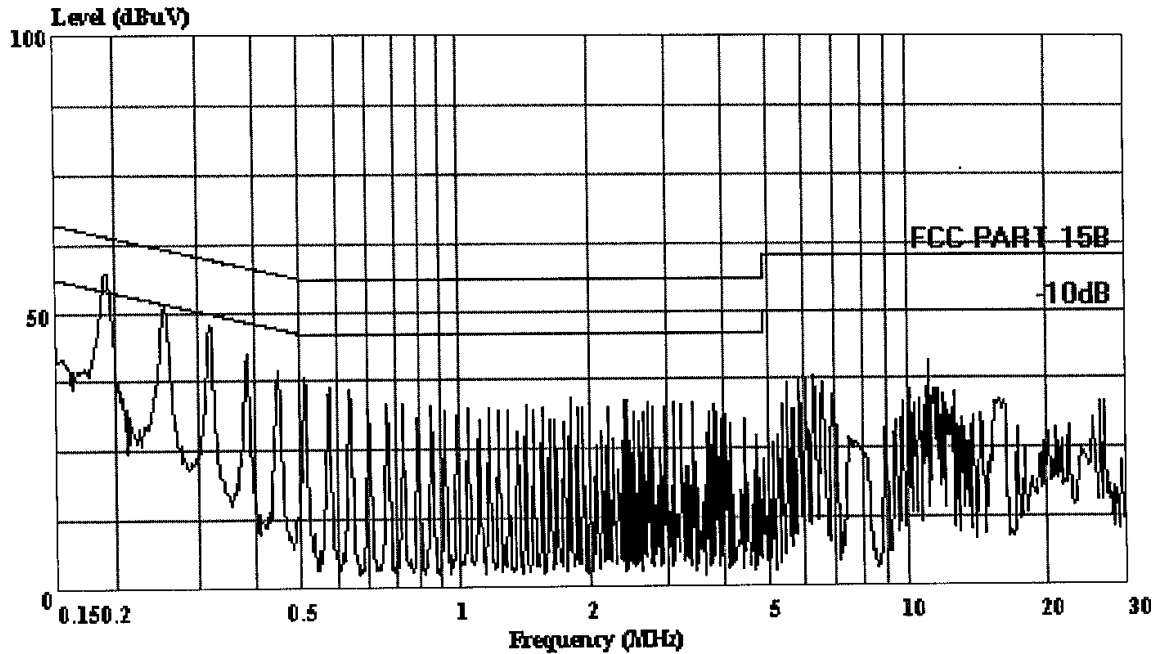
Condition: FCC PART 15B VA(KNW-407)  
 EUT : Color Monitor  
 M/N : 1772ED  
 Power : AC 120V/60Hz  
 Test Engineer: Creed  
 Comment : Temp:24'C,Humi:56%  
 Memo : 1280\*1024 60Hz  
 : Running "H" pattern with PC



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.

Shenzhen Science & Ind Park  
 Tel:0755-26639496  
 Fax:26632877

Data#: 13 File#: GreatWall.EMI Date: 2003-04-02 Time: 13:39:15



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. (Audix ATC)

Trace:

Ref Trace:

Condition: FCC PART 15B VB(KNW-407)  
 EUT : Color Monitor  
 M/N : 1772ED  
 Power : AC 120V/60Hz  
 Test Engineer: Creed  
 Comment : Temp:24'C, Humi:56%  
 Memo : 1280\*1024 60Hz  
 : Running "H" pattern with PC

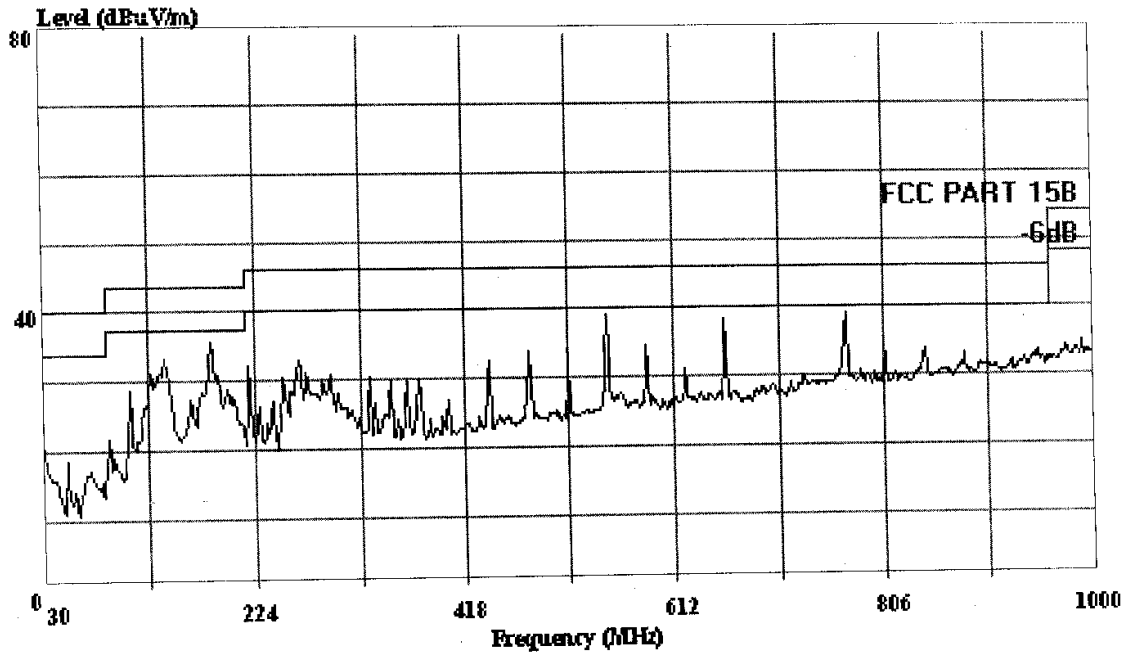
# APPENDIX II



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.

Shenzhen Science & Ind. Park  
 Tel: 0755-26639495~7  
 Fax: 0755-26632877

Data#: 6 File#: Great-Wall.EMI Date: 2003-04-02 Time: 09:37:40



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. (# Chamber)

Trace:

Ref Trace:

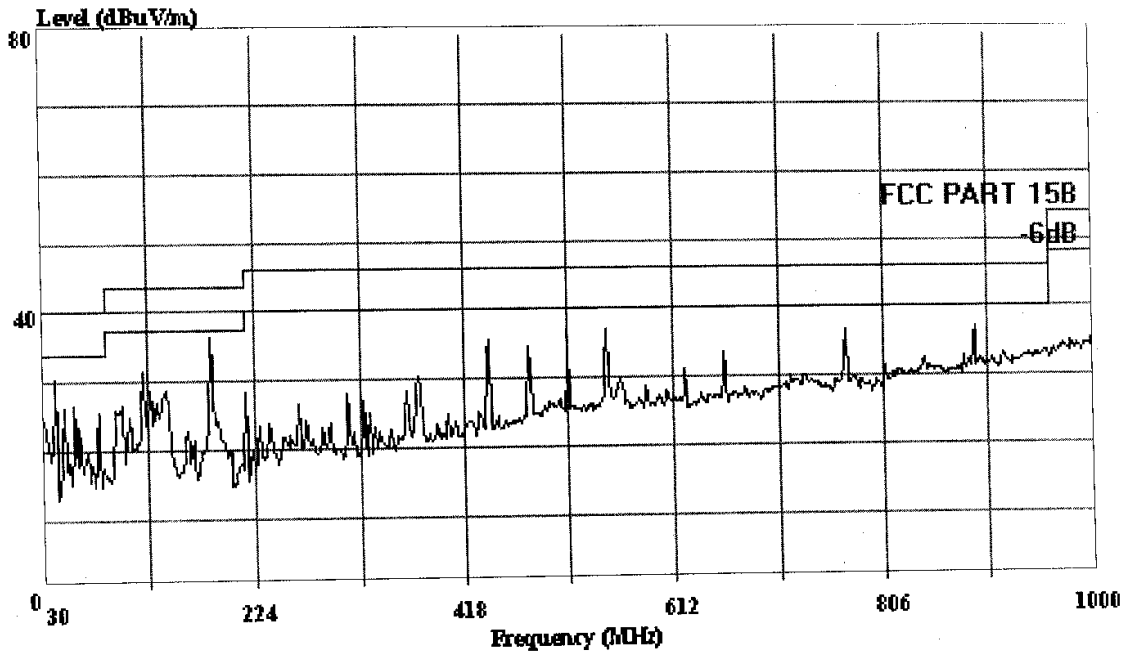
Condition: FCC PART 15B 3m 2598FACTOR HORIZONTAL  
 EUT : Color Monitor  
 M/N : 1772E  
 Power : AC 120V/60Hz  
 Test Engineer: Chris  
 Comment : Temp:25.2 C Humi:56%  
 Memo : 640\*480 70Hz  
 : Running "H" pattern with PC



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.

Shenzhen Science & Ind. Park  
 Tel: 0755-26639495~7  
 Fax: 0755-26632877

Data#: 5 File#: Great-Wall.EMI Date: 2003-04-02 Time: 09:35:37



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. (3# Chamber)

Trace:

Ref Trace:

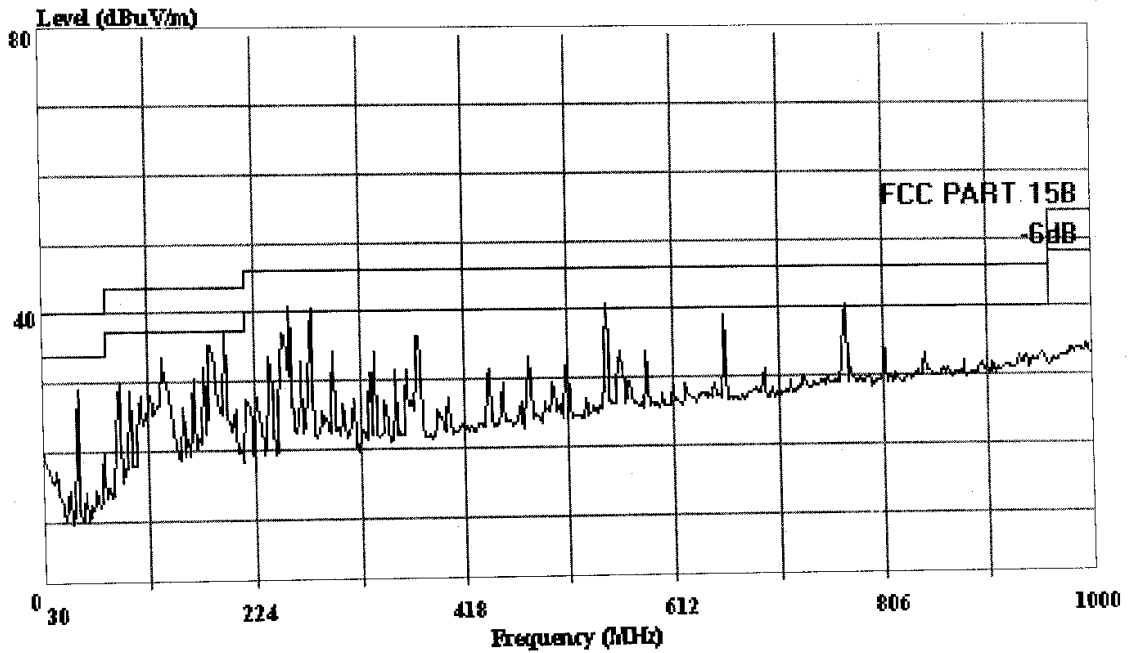
Condition: FCC PART 15B 3m 2598FACTOR VERTICAL  
 EUT : Color Monitor  
 M/N : 1772E  
 Power : AC 120V/60Hz  
 Test Engineer: Chris  
 Comment : Temp:25.2 C Humi:56%  
 Memo : 640\*480 70Hz  
 : Running "H" pattern with PC



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.

Shenzhen Science & Ind. Park  
 Tel: 0755-26639495~7  
 Fax: 0755-26632877

Data#: 3 File#: Great-Wall.EMI Date: 2003-04-02 Time: 09:32:04



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. (3# Chamber)

Trace:

Ref Trace:

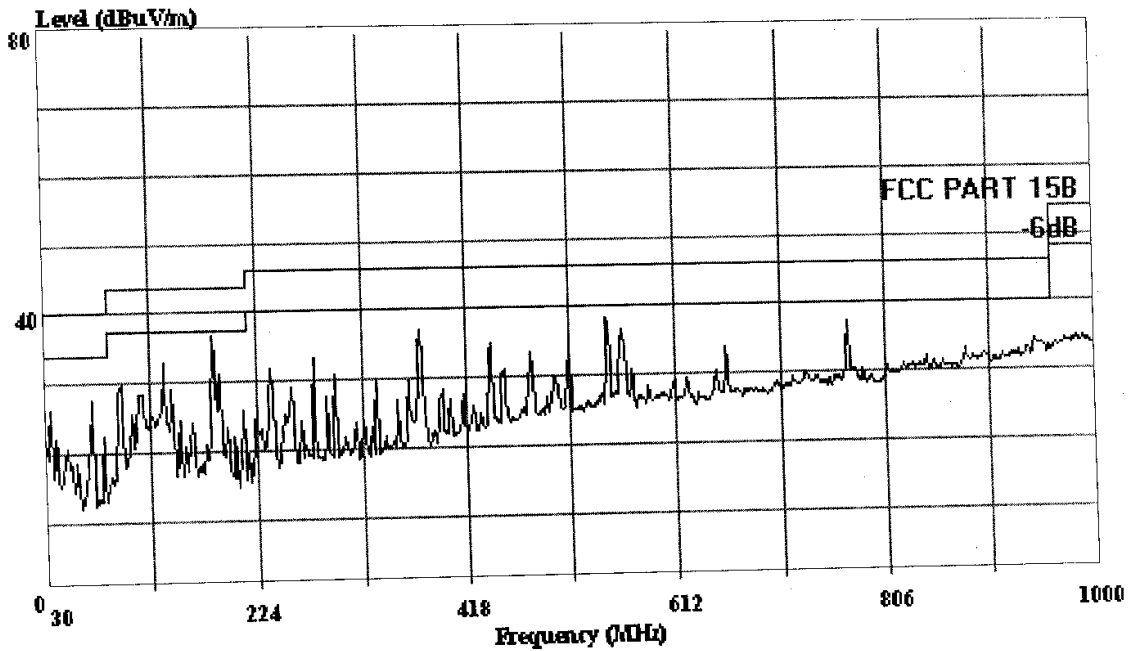
Condition: FCC PART 15B 3m 2598FACTOR HORIZONTAL  
 EUT : Color Monitor  
 M/N : 1772E  
 Power : AC 120V/60Hz  
 Test Engineer: Chris  
 Comment : Temp:25.2 C Humi:56%  
 Memo : 1024\*768 75Hz  
 : Running "H" pattern with PC



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.

Shenzhen Science & Ind. Park  
 Tel: 0755-26639495~7  
 Fax: 0755-26632877

Data#: 4 File#: Great-Wall.EMI Date: 2003-04-02 Time: 09:33:34



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. (#3 Chamber)

Ref Trace:

Trace:

Condition: FCC PART 15B 3m 2598FACTOR VERTICAL  
 EUT : Color Monitor  
 M/N : 1772E  
 Power : AC 120V/60Hz  
 Test Engineer: Chris  
 Comment : Temp:25.2 C Humi:56%  
 Memo : 1024\*768 75Hz  
 : Running "H" pattern with PC

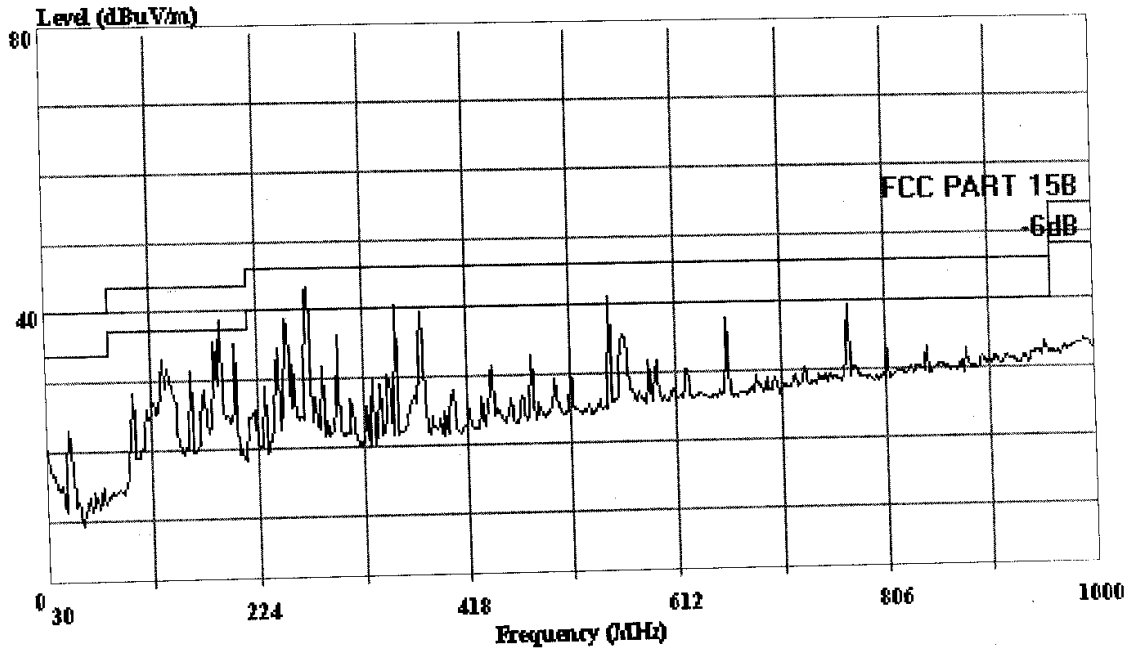




AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.

Shenzhen Science & Ind. Park  
 Tel: 0755-26639495~7  
 Fax: 0755-26632877

Data#: 2 File#: Great-Wall.EMI Date: 2003-04-02 Time: 09:27:26



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. (3# Chamber)

Ref Trace:

Trace:

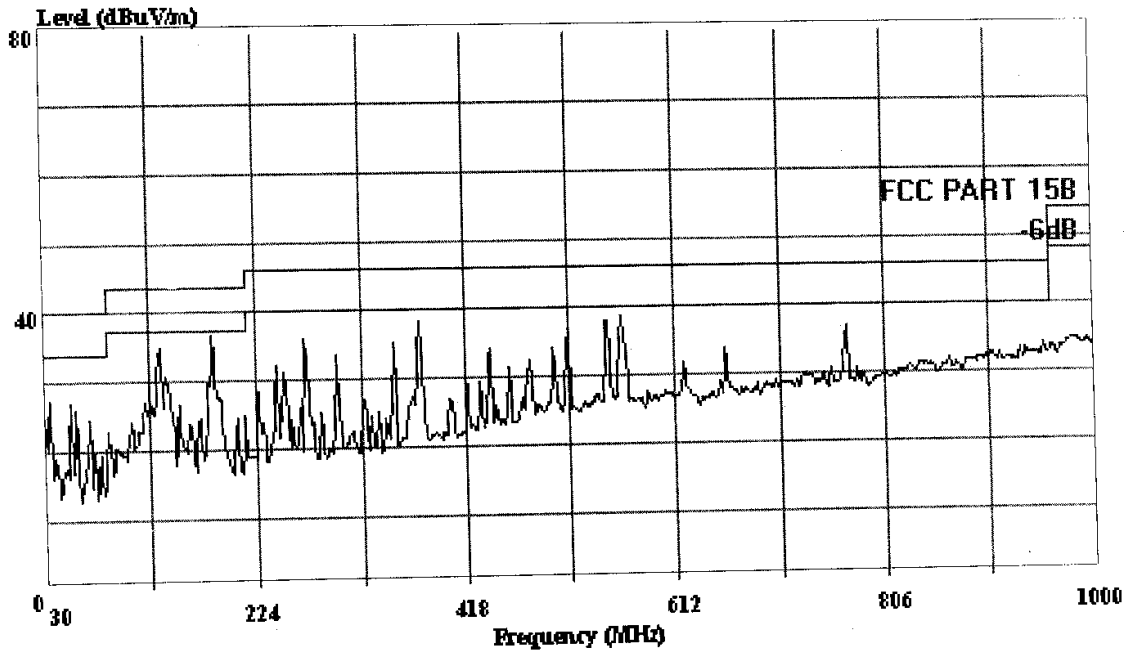
Condition: FCC PART 15B 3m 2598FACTOR HORIZONTAL  
 EUT : Color Monitor  
 M/N : 1772E  
 Power : AC 120V/60Hz  
 Test Engineer: Chris  
 Comment : Temp:25.2 C Humi:56%  
 Memo : 1280\*1024 60Hz  
 : Running "H" pattern with PC



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.

Shenzhen Science & Ind. Park  
 Tel: 0755-26639495~7  
 Fax: 0755-26632877

Data#: 1 File#: Great-Wall.EMI Date: 2003-04-02 Time: 09:25:25



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. (3# Chamber)

Trace:

Ref Trace:

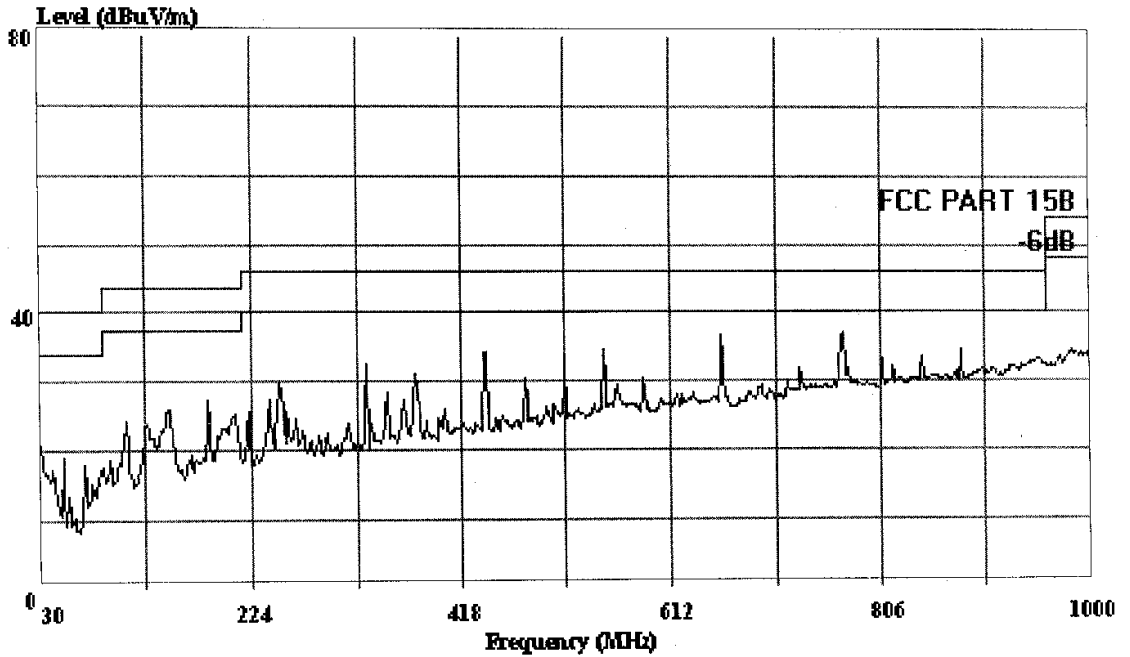
Condition: FCC PART 15B 3m 2598FACTOR VERTICAL  
 EUT : Color Monitor  
 M/N : 1772E  
 Power : AC 120V/60Hz  
 Test Engineer: Chris  
 Comment : Temp:25.2 C Humi:56%  
 Memo : 1280\*1024 60Hz  
 : Running "H" pattern with PC



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.

Shenzhen Science & Ind. Park  
 Tel: 0755-26639495~7  
 Fax: 0755-26632877

Data#: 9 File#: Great-Wall.EMI Date: 2003-04-02 Time: 10:16:46



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. (3# Chamber)

Trace:

Ref Trace:

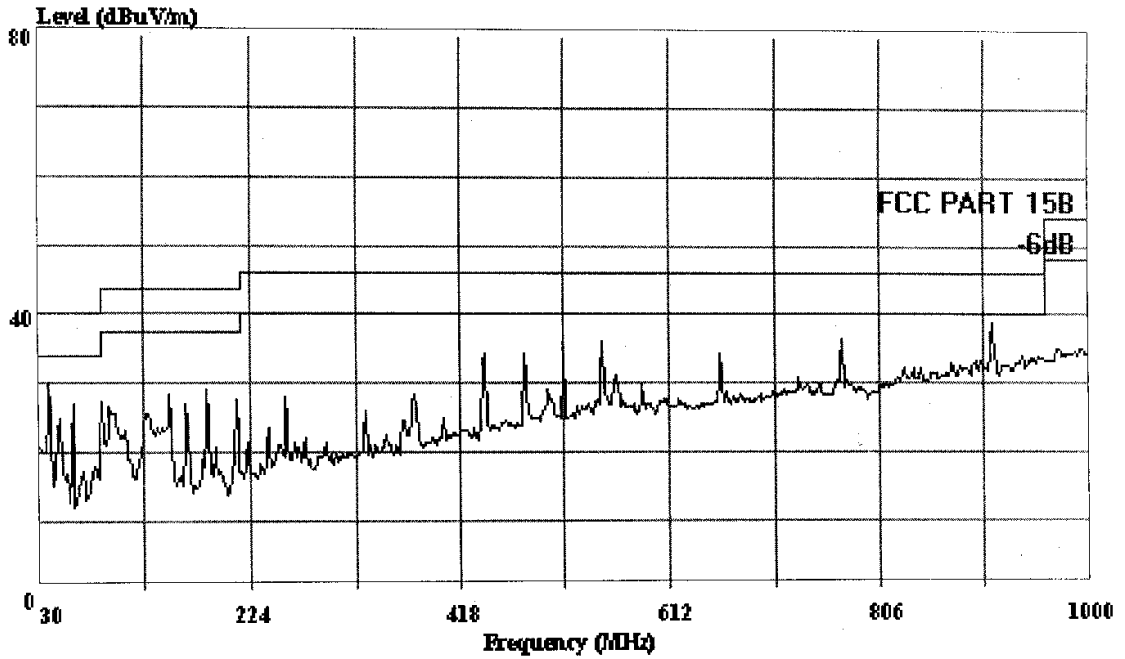
Condition: FCC PART 15B 3m 2598FACTOR HORIZONTAL  
 EUT : Color Monitor  
 M/N : 1772ED  
 Power : AC 120V/60Hz  
 Test Engineer: Chris  
 Comment : Temp:25.2 C Humi:56%  
 Memo : 640\*480 70Hz  
 : Running "H" pattern with PC



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.

Shenzhen Science & Ind. Park  
 Tel: 0755-26639495~7  
 Fax: 0755-26632877

Data#: 10 File#: Great-Wall.EMI Date: 2003-04-02 Time: 10:18:32



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. (3# Chamber)

Trace:

Ref Trace:

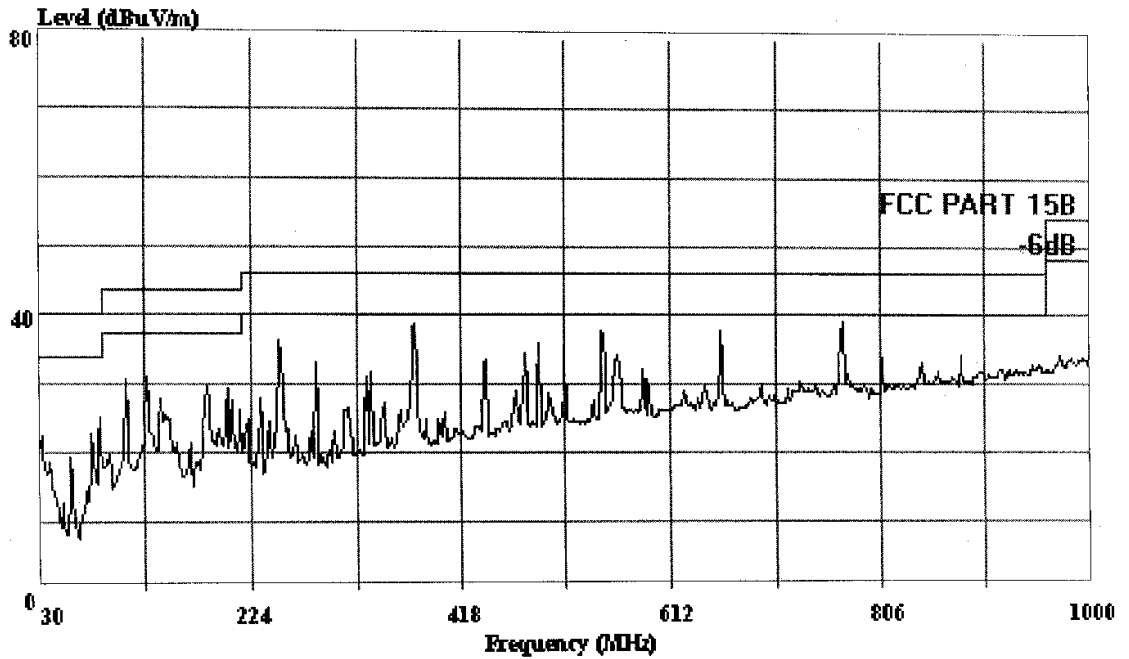
Condition: FCC PART 15B 3m 2598FACTOR VERTICAL  
 EUT : Color Monitor  
 M/N : 1772ED  
 Power : AC 120V/60Hz  
 Test Engineer: Chris  
 Comment : Temp:25.2 C Humi:56%  
 Memo : 640\*480 70Hz  
 : Running "H" pattern with PC



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.

Shenzhen Science & Ind. Park  
 Tel: 0755-26639495~7  
 Fax: 0755-26632877

Data#: 12 File#: Great-Wall.EMI Date: 2003-04-02 Time: 10:23:36



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. (# Chamber)

Trace:

Ref Trace:

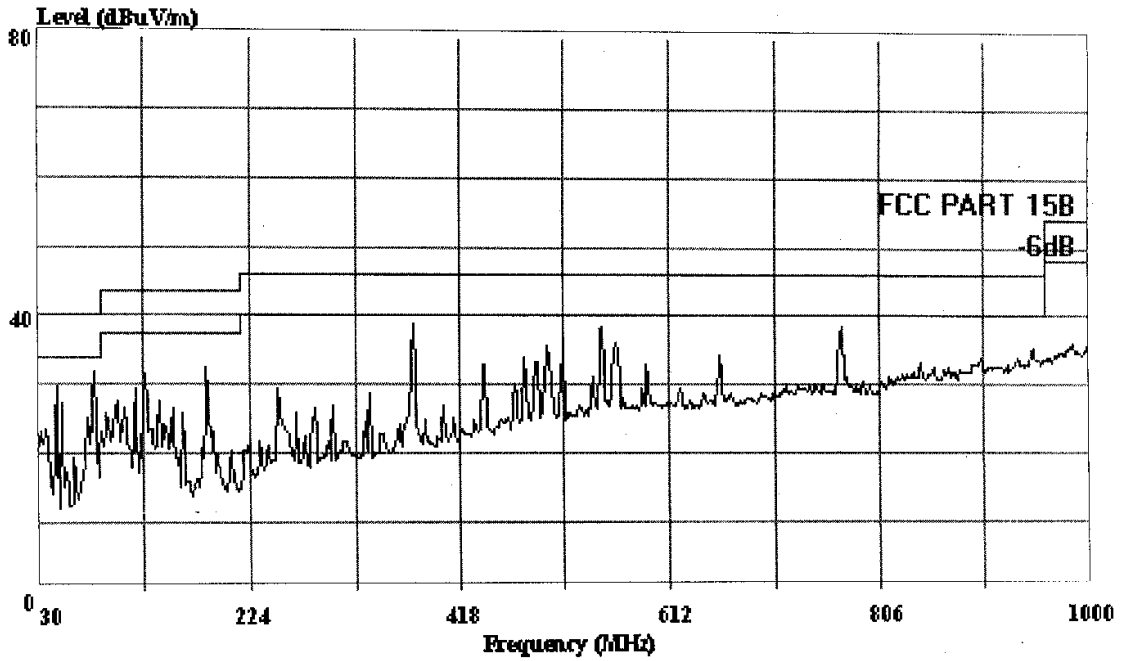
Condition: FCC PART 15B 3m 2598FACTOR HORIZONTAL  
 EUT : Color Monitor  
 M/N : 1772ED  
 Power : AC 120V/60Hz  
 Test Engineer: Chris  
 Comment : Temp:25.2 C Humi:56%  
 Memo : 1024\*768 75Hz  
 : Running "H" pattern with PC



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.

Shenzhen Science & Ind. Park  
 Tel: 0755-26639495~7  
 Fax: 0755-26632877

Data#: 11 File#: Great-Wall.EMI Date: 2003-04-02 Time: 10:21:52



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. (3# Chamber)

Trace:

Ref Trace:

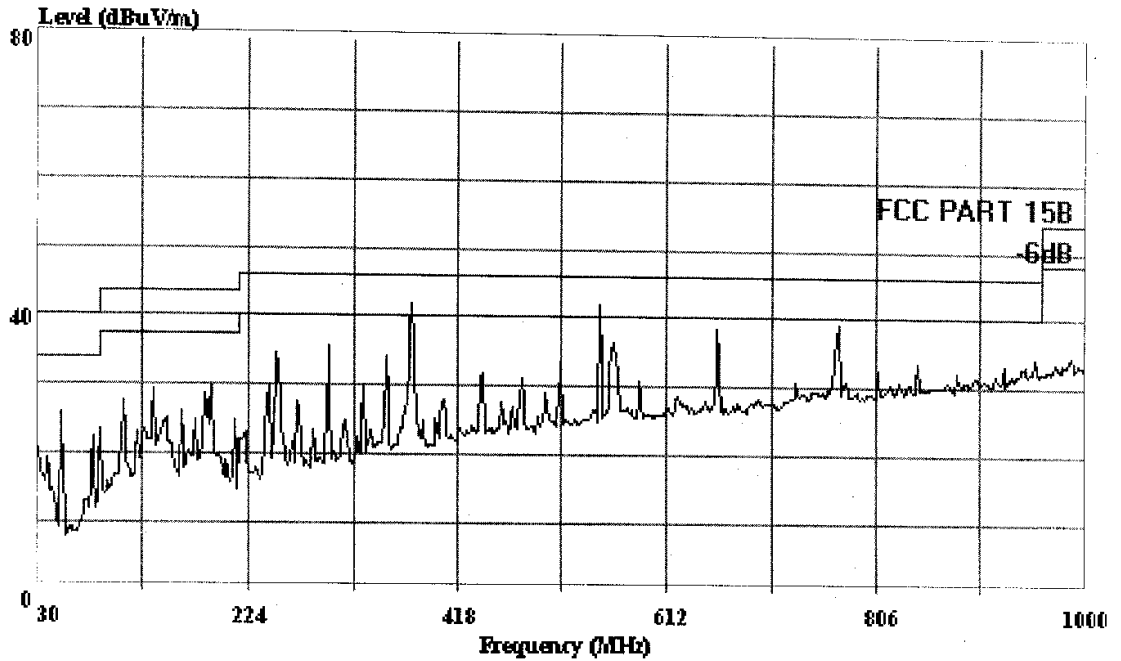
Condition: FCC PART 15B 3m 2598FACTOR VERTICAL  
 EUT : Color Monitor  
 M/N : 1772ED  
 Power : AC 120V/60Hz  
 Test Engineer: Chris  
 Comment : Temp:25.2 C Humi:56%  
 Memo : 1024\*768 75Hz  
 : Running "H" pattern with PC



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.

Shenzhen Science & Tnd. Park  
 Tel: 0755-26639495~7  
 Fax: 0755-26632877

Data#: 13 File#: Great-Wall.EMI Date: 2003-04-02 Time: 10:26:30



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. (3# Chamber)

Trace:

Ref Trace:

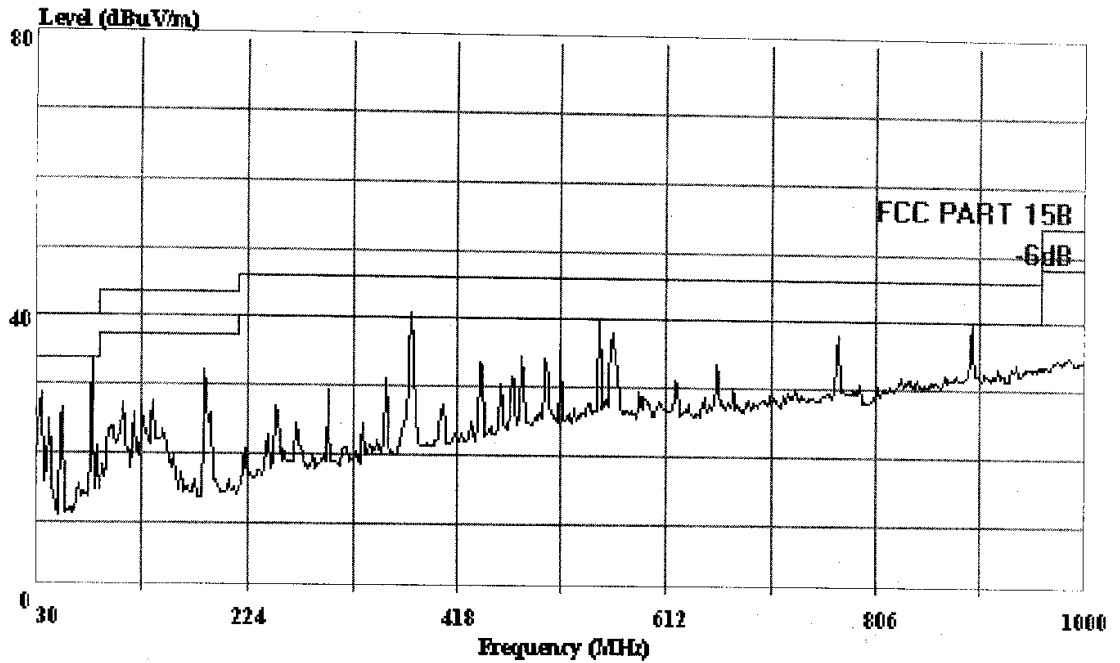
Condition: FCC PART 15B 3m 2598FACTOR HORIZONTAL  
 EUT : Color Monitor  
 M/N : 1772ED  
 Power : AC 120V/60Hz  
 Test Engineer: Chris  
 Comment : Temp:25.2 C Humi:56%  
 Memo : 1280\*1024 60Hz  
 : Running "H" pattern with PC



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.

Shenzhen Science & Ind. Park  
 Tel: 0755-26639495~7  
 Fax: 0755-26632877

Data#: 14 File#: Great-Wall.EMI Date: 2003-04-02 Time: 10:29:26



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. (3# Chamber)

Trace:

Ref Trace:

Condition: FCC PART 15B 3m 2598FACTOR VERTICAL  
 EUT : Color Monitor  
 M/N : 1772FD  
 Power : AC 120V/60Hz  
 Test Engineer: Chris  
 Comment : Temp:25.2 C Humi:56%  
 Memo : 1280\*1024 60Hz  
 : Running "H" pattern with PC