APPLICATION FOR CERTIFICATION
On Behalf of
Evenflo Company, Inc.

Constant Care 1500 Secure Sound Monitor

Model Number: 625000

Prepared for : Evenflo Company, Inc.
1000 Evenflo Drive, P.O. Box 709,
Canton, GA 30114

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-F02184
Date of Test	:	Sep.27~Oct.15, 2002
Date of Report	:	Nov.13, 2002

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TEST REPORT DECLARATION

Applicant	:	Evenflo Company, Inc.
Manufacturer	:	Technic Star Products Factory
EUT Description	:	Constant Care 1500 Secure Sound Monitor
	(A) MODEL NO	: 625000
	(B) SERIAL NO	: F2002111301
	(C) Power Supply	: Adaptor Input 120V/60Hz Output DC 9V

Test Procedure Used:

FCC Rules and Regulations Part 15 Subpart C May, 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 C limits for 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 tests. Also, this report shows that EUT is technically compliant with 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.

Date of Test : Sep.27~Oct.15, 2002

Prepared by : Kathy Liu / Assistant

Reviewer : Lake Wang / Supervisor

Approved & Authorized Signer : Alex Deng / Assistant Manager

1. GENERAL INFORMATION

1.1. Description of Device (EUT)

Description	:	Constant Care 1500 Secure Sound Monitor This report is about transmitter FCC ID and the receiver FCC DOC report please refer to AUDIX Number ACS-F02194.
Model Number	:	625000
Applicant	:	Evenflo Company, Inc. 1000 Evenflo Drive, P.O. Box 709, Canton, GA 30114
Manufacturer	:	Technic Star Products Factory Xiang Jiao Tang Industrial Area 2, Xue Xiang Buji, Shenzhen, China
Adaptor Power	:	Unshielded, Detachable 2.0m
AC/DC Adaptor	:	M/N:KU28-9-200D Manufacture:Evenflo Company Inc. Input: AC 120V/60Hz, 6VA Output: DC 9V, 200mA
Date of Test	:	Sep.27~Oct.15, 2002

1.2. 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, 2002
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

1.3. Test Uncertainty

Conducted Emission Uncertainty	=	± 2.66dB
Radiated Emission Uncertainty	=	± 4.26dB

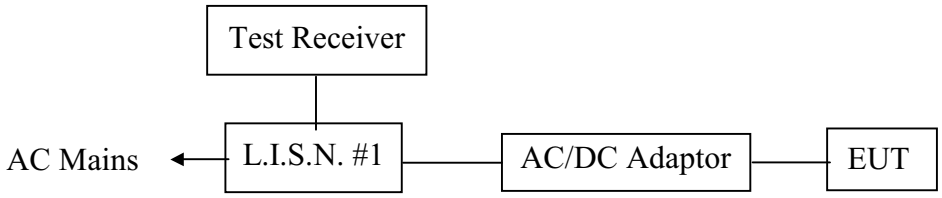
2. POWER LINE CONDUCTED EMISSION TEST

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	ESHS10	838693/001	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	Aug. 23, 02	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



(EUT: Constant Care 1500 Secure Sound Monitor)

2.3. Power Line Conducted Emission Limit

Frequency	Maximum RF Line Voltage	
	Quasi-Peak Level dB(μV)	Average Level dB(μV)
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. EUT Configuration on Test

The following equipments are installed on RF LINE VOLTAGE 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. Constant Care 1500 Secure Sound Monitor （EUT）

Model Number	:	625000
Serial Number	:	F2002111301
Manufacturer	:	Technic Star Products Factory

2.5. Operating Condition of EUT

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

2.5.2. Turn on the power of all equipment.

2.5.3. Let the EUT work in test mode (TX) and measure it.

2.6. Test Procedure

The EUT is put on the table which is 0.8m above the ground and away from other metallic surface at least 0.4m. The EUT is connected to the AC/DC Adapter. The AC/DC Adapter power mains through a line impedance stabilization network (L.I.S.N.). This provides a 50 ohm coupling impedance for the testing equipment; and the peripheral equipment powers form other L.I.S.N.. Please refer to the block diagram of the test setup and photographs. Both sides of AC line(Line & Neutral) are checked for maximum conducted interference. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables must be changed according to ANSI / IEEE Standard 213-1987 on Conducted Emission Test.

The bandwidth of the field strength meter (R & S Test Receiver ESHS20) is set at 10KHz.

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

The details of test modes are as the followings, and the test data please see 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 :	Oct.15, 2002		Temperature :	24℃	
EUT :	Constant Care 1500 Secure Sound Monitor		Humidity :	56%	
Model No. :	625000		Test Mode :	TX	
Test Engineer:	Jimmy				

Frequency (MHz)	Reading (dBμV)				Limit (dBμV)	
	VA		VB			
	Quasi-Peak	Average	Quasi-Peak	Average	Quasi-Peak	Average
0.150	2.5	14.5	8.9	6.8	66.0	56.0
0.190	2.6	0.6	*	*	64.0	54.0
0.255	*	*	2.5	0.5	61.6	51.6
0.481	*	*	2.2	0.3	56.3	46.3
0.549	1.7	0.3	*	*	56.0	46.0
1.010	*	*	2.1	0.2	56.0	46.0
1.150	1.7	0.2	*	*	56.0	46.0
2.360	*	*	2.0	0.3	56.0	46.0
8.640	1.8	0.4	*	*	60.0	50.0
10.400	*	*	2.2	0.4	60.0	50.0
20.060	1.9	0.4	*	*	60.0	50.0

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

Reviewer: _____

3. RADIATED EMISSION TEST

3.1. Test Equipment

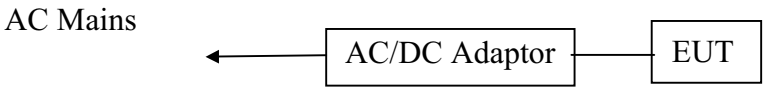
The following test equipments are used during the radiated emission Test：

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	Sep 20, 02	1/2 Year
4.	Bilog Antenna	Schaffner	CBL6111C	2598	Jan. 15, 02	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	Aug.04, 02	1/2 Year
8.	RF Cable	MIYAZAKI	5D-2W	3# Chamber No.2	Aug.04, 02	1/2 Year
9.	RF Cable	FUJIKURA	RG-55/U	3# Chamber No.3	Aug.04, 02	1/2 Year
10.	RF Cable	FUJIKURA	RG-55/U	3# Chamber No.4	Aug.04, 02	1/2 Year
11.	Coaxial Switch	Anritsu	MP59B	M73989	Nov 30, 02	1/2 Year

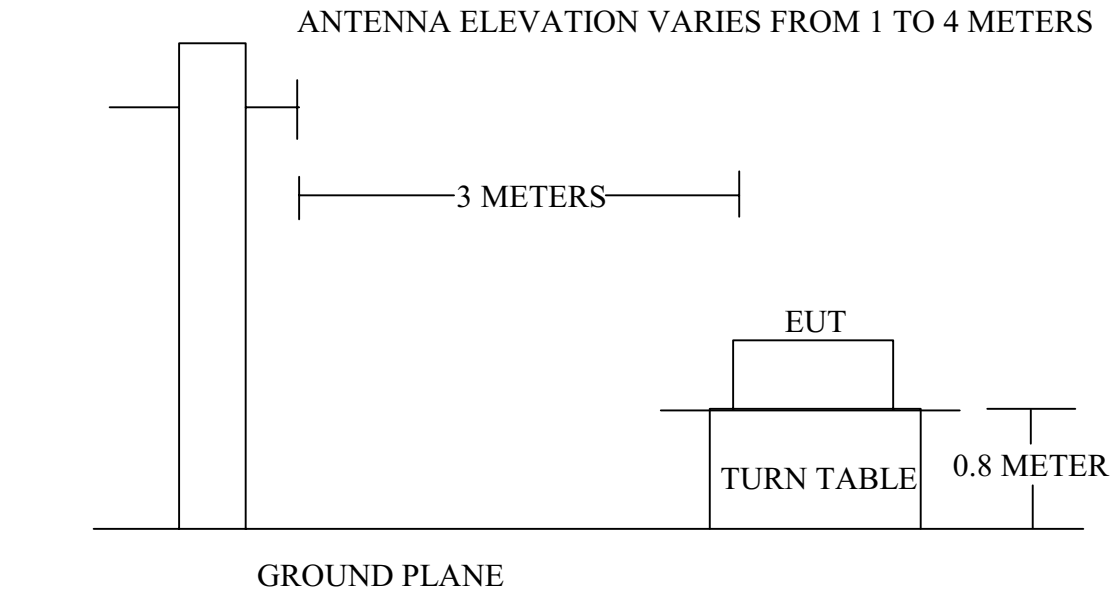
3.2. Block Diagram of Test Setup

3.2.1. Block Diagram of connection between EUT and simulators



(EUT: Constant Care 1500 Secure Sound Monitor)

3.2.2. Anechoic Chamber Setup Diagram



3.3. Radiated Emission Limit (Class B)

FREQUENCY MHz	DISTANCE Meters	FIELD STRENGTHS LIMIT	
		μV/m	dBμV/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 dBμV = 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. Constant Care 1500 Secure Sound Monitor (EUT)

Model Number	:	625000
Serial Number	:	F2002111301
Manufacturer	:	Technic Star Products Factory

3.5. Operating Condition of EUT

3.5.1. Setup the EUT as shown in Section 3.2..

3.5.2. Let the EUT work in test modes (TX) and test it.

3.6. Test Procedure

The 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. The 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 is set on Test. In order to find the maximum emission levels, all of the interface cables must be manipulated according to ANSI C63.4-1992 on radiated emission 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 modes (TX) is tested in Anechoic Chamber and all the scanning waveforms are attached in Appendix II.

3.7. Radiated Emission Test Results

PASS.

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

Date of Test	:	Sep.27, 2002	Temperature	:	24℃
EUT	:	Constant Care 1500 Secure Sound Monitor	Humidity	:	56%
Model No.	:	625000	Test Mode	:	TX
Test Engineer:		Jimmy			

Frequency	Antenna Factor	Cable Loss	Meter Reading Horizontal	Emission Level Horizontal	Over Limits	Limits
MHz	dB/m	dB	dBμV	dBμV/m	dBμV/m	dBμV/m
49.894	7.83	1.36	37.70	46.89	-33.11	80.00

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

Frequency	Antenna Factor	Cable Loss	Meter Reading Horizontal	Emission Level Horizontal	Over Limits	Limits
MHz	dB/m	dB	dBμV	dBμV/m	dBμV/m	dBμV/m
49.869	7.86	1.36	38.50	47.73	-32.27	47.73

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

Reviewer **:** _____

Date of Test :	Sep.27, 2002	Temperature :	24℃
EUT :	Constant Care 1500 Secure Sound Monitor	Humidity :	56%
Model No. :	625000	Test Mode :	TX
Test Engineer:	Jimmy		

Frequency	Antenna Factor	Cable Loss	Meter Reading Vertical	Emission Level Vertical	Over Limits	Limits
MHz	dB/m	dB	dBμV	dBμV/m	dBμV/m	dBμV/m
49.889	8.85	1.36	49.90	60.11	-19.89	80.00

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

Frequency	Antenna Factor	Cable Loss	Meter Reading Vertical	Emission Level Vertical	Over Limits	Limits
MHz	dB/m	dB	dBμV	dBμV/m	dBμV/m	dBμV/m
49.897	8.85	1.36	50.30	60.51	-19.49	80.00

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

Reviewer **:** _____

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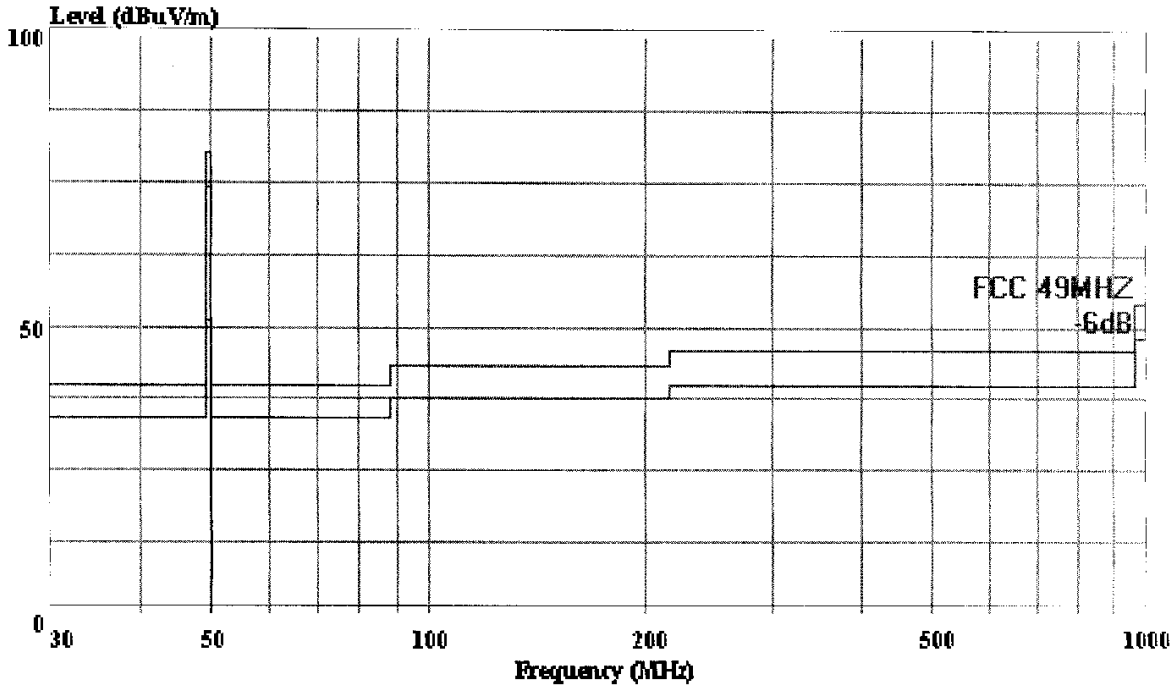

AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. (3# Chamber)

Trace: Ref Trace:

Condition: FCC 49MHZ 3m 2597 HORIZONTAL
EUT : Constant Care 1500 Secure Sound Monitor
M/N : 625000
Power : Adaptor input 120V/60Hz output DC 9V
Test Engineer: Ling
Memo : CH A
: TX

Page: 1

	Freq	Level	Limit Line	Over Limit	Read Level	Probe Factor	Cable Loss
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB
1	49.894	46.89	80.00	-33.11	37.70	7.83	1.36

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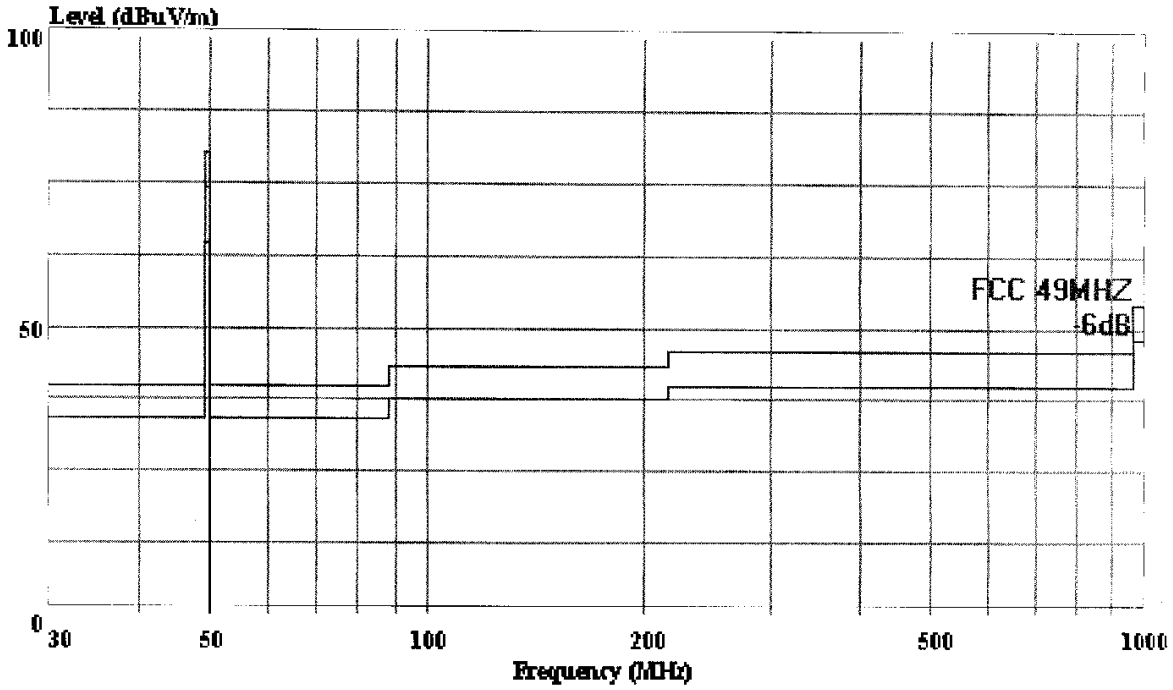

Trace: Ref Trace:

Condition: FCC 49MHZ 3m 2597 VERTICAL
EUT : Constant Care 1500 Secure Sound Monitor
M/N : 625000
Power : Adaptor input 120V/60Hz output DC 9V
Test Engineer: Ling
Memo : CH A
: TX

Page: 1

	Freq	Level	Limit Line	Over Limit	Read Level	Probe Factor	Cable Loss
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB
1	49.889	60.11	80.00	-19.89	49.90	8.85	1.36

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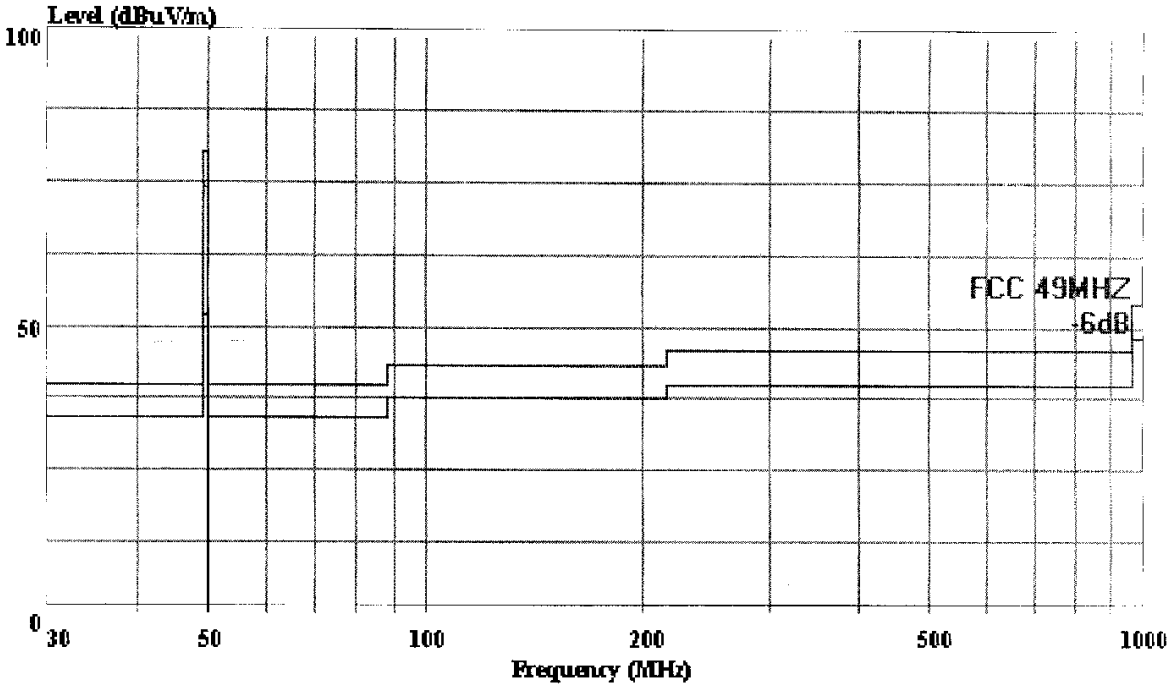

AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. (3# Chamber)

Trace: Ref Trace:

Condition: FCC 49MHZ 3m 2597 HORTZONTAL
EUT : Constant Care 1500 Secure Sound Monitor
M/N : 625000
Power : Adaptor input 120V/60Hz output DC 9V
Test Engineer: Ling
Memo : CH B
: TX

Page: 1

	Freq	Level	Limit Line	Over Limit	Read Level	Probe Factor	Cable Loss
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB
1	49.869	47.73	80.00	-32.27	38.50	7.86	1.36

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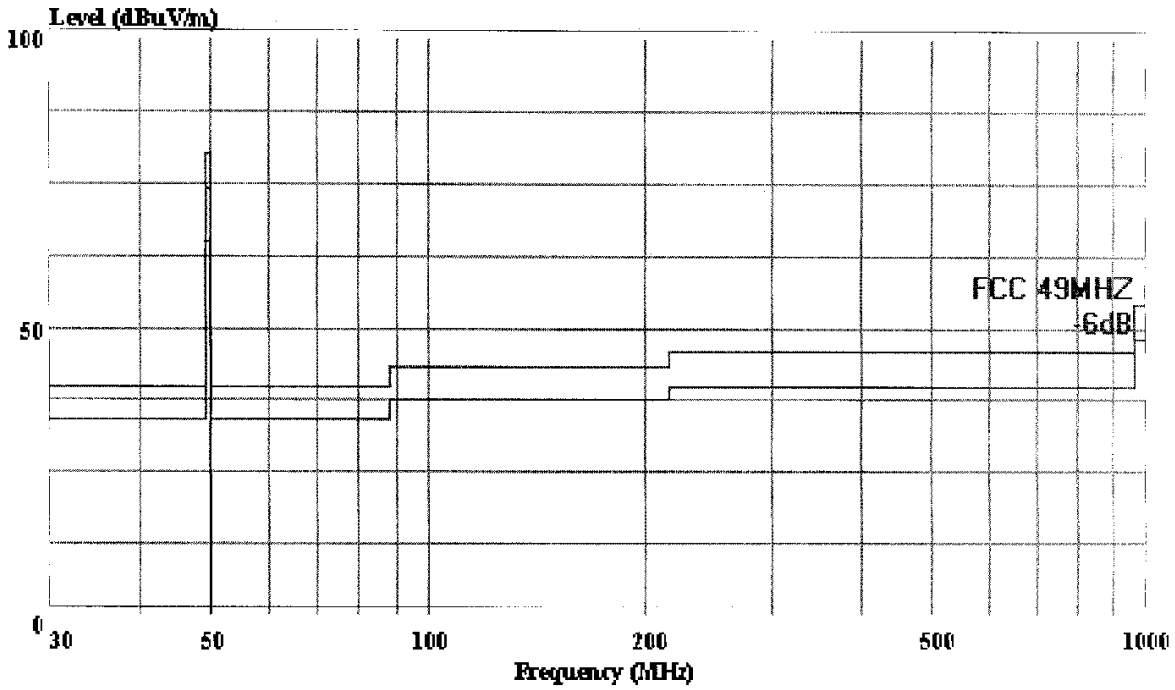

Trace: Ref Trace:

Condition: FCC 49MHZ 3m 2597 VERTICAL
EUT : Constant Care 1500 Secure Sound Monitor
M/N : 625000
Power : Adaptor input 120V/60Hz output DC 9V
Test Engineer: Ling
Memo : CH B
: TX

Page: 1

	Freq	Level	Limit Line	Over Limit	Read Level	Probe Factor	Cable Loss
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB
1	49.897	60.51	80.00	-19.49	50.30	8.85	1.36

4. BANDWIDTH TEST

4.1. Test Equipment

The following test equipments are used during the bandwidth test:

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum	HP	8593EM	3628A00167	2002.06.02	1 Year
2.	Antenna	EMCO	3115	9607-4877	2001.06.04	1.5 Year

4.2. Test Standard

The test completeness FCC 15C (2).

4.3. Bandwidth Limit

The minimum 6dB bandwidth shall be at least 500KHz.

4.4. Test Procedure

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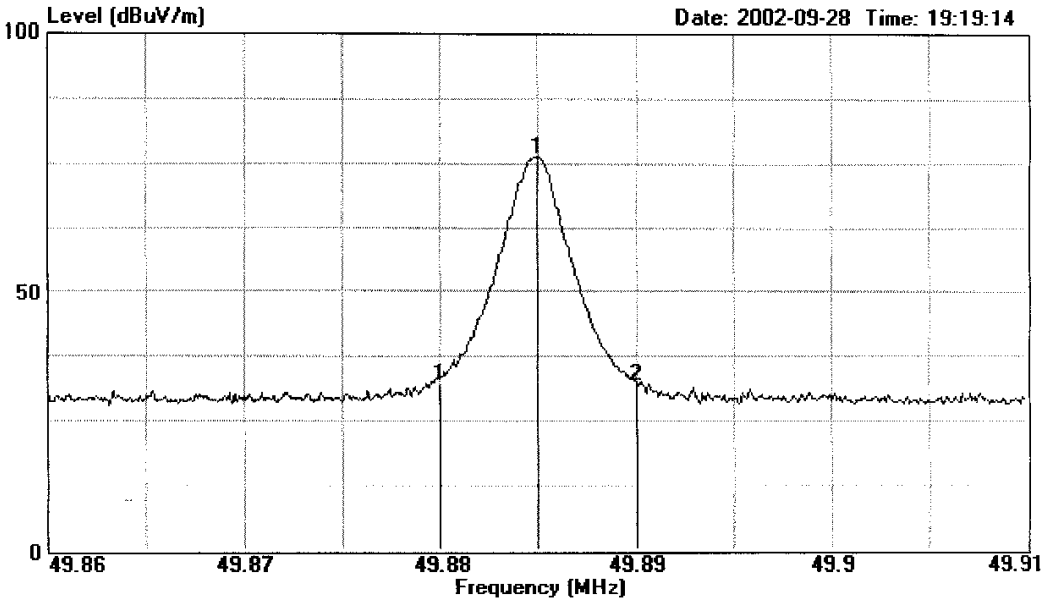

Trace: 50

Site : 1# Chamber
Condition : 3m
EUT : Constant Care 1500 Secure Sound Monitor
M/N : 625000
Power : DC 4.5V Battery
Test Engineer : Ling
Memo : CH A

	Freq	Limit Line	Over Limit	Level	Read Level	Probe Factor	Cable Loss	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB	
1	49.880	------	------	32.10	32.10	0.00	0.00	0.00	Peak
2	49.890	------	------	32.20	32.20	0.00	0.00	0.00	Peak

Data#: 50 File#: C:\EMI TEST DATA\T\TECHNICSTAR.EMI

	Freq	Limit Line	Over Limit	Level	Read Level	Probe Factor	Cable Loss	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB	
1	49.885	------	------	76.29	76.29	0.00	0.00	0.00	

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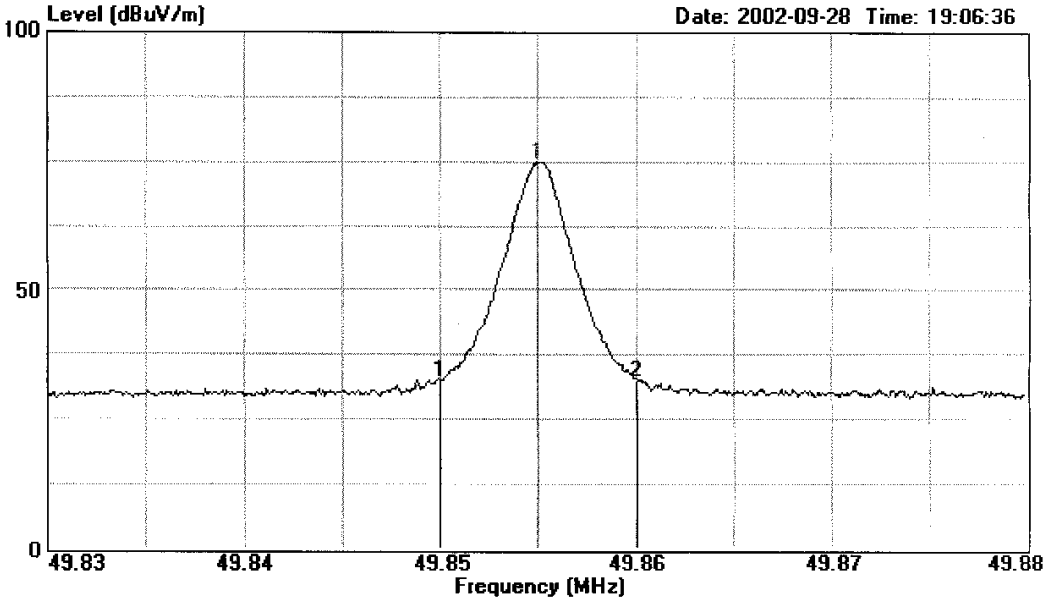

Trace: 48

Site : 1# Chamber
Condition : 3m
EUT : Constant Care 1500 Secure Sound Monitor
M/N : 625000
Power : DC 4.5V Battery
Test Engineer : Ling
Memo : CH B

	Freq	Limit Line	Over Limit	Level	Read Level	Factor	Probe Factor	Cable Loss	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB	
1	49.850	------	------	32.40	32.40	0.00	0.00	0.00	Peak
2	49.860	------	------	32.47	32.47	0.00	0.00	0.00	Peak

Data#: 48 File#: C:\EMI TEST DATA\T\TECHNICSTAR.EMI

	Freq	Limit Line	Over Limit	Level	Read Level	Factor	Probe Factor	Cable Loss	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB	
1	49.855	------	------	74.90	74.90	0.00	0.00	0.00	

APPENDIX I

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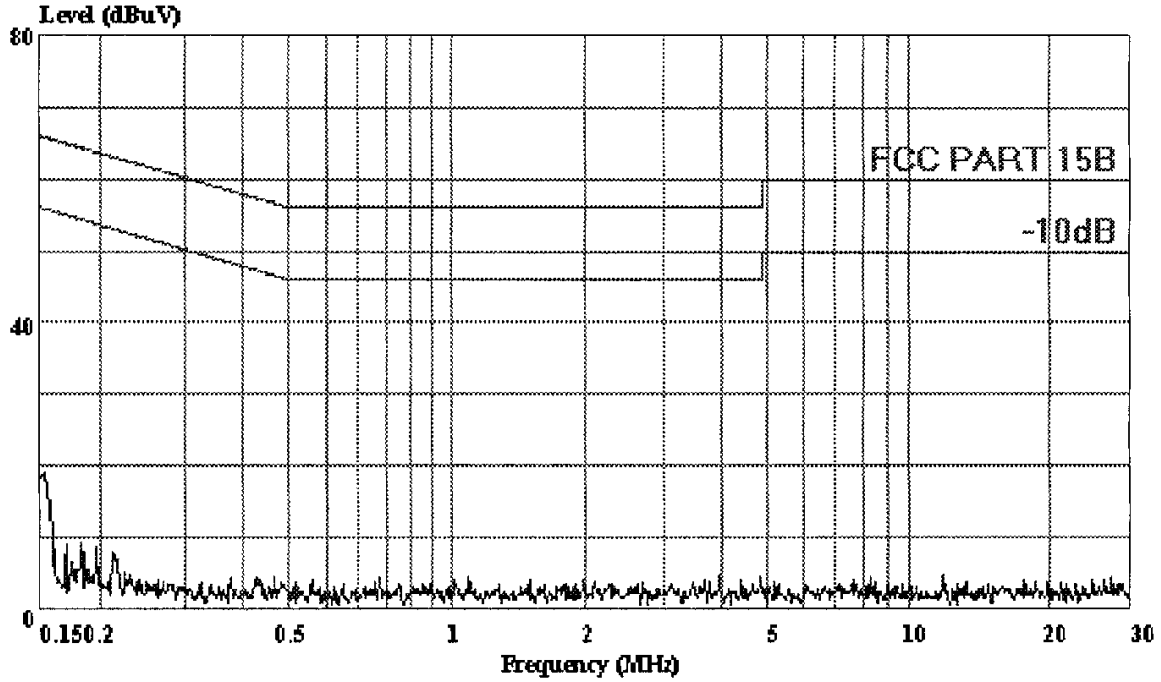

Trace: Ref Trace:

Condition: FCC PART 15B VA(KNW-407)
EUT : Constant Care 1500 Secure Sound Monitor
M/N : 625000
OP Cond : TX
Test Engineer: Jimmy
Test Spec : Adaptor input 120V/60Hz output DC 9v
Comment : Temp:24'C
: Humi:56%

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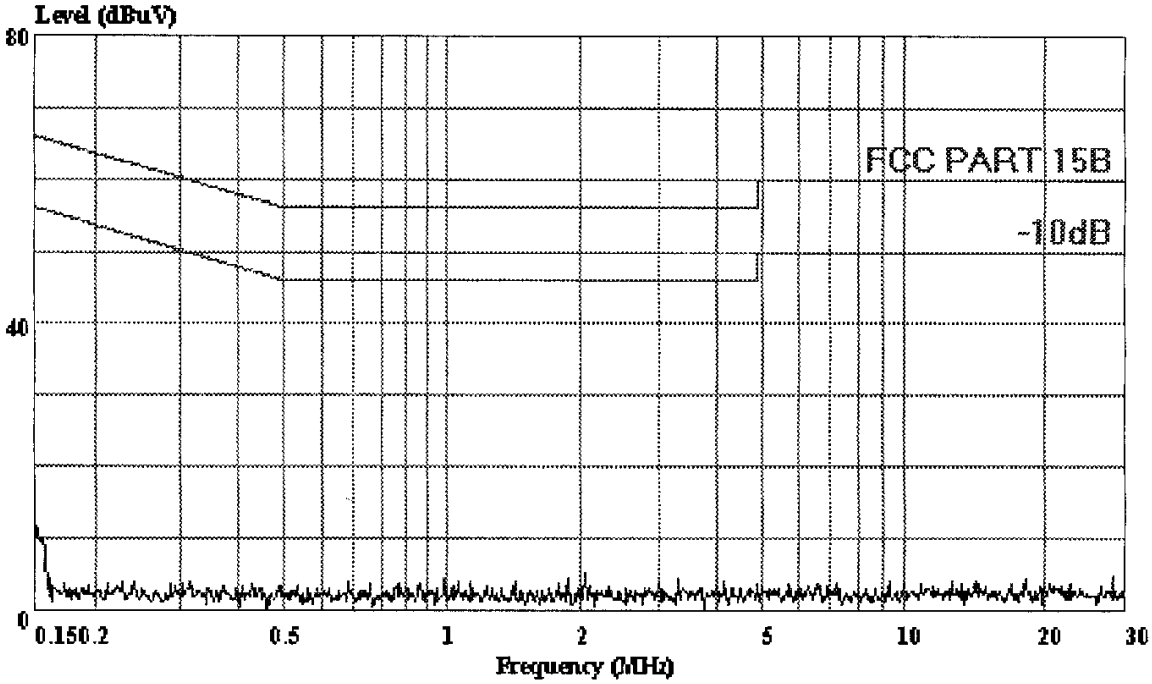

AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. (Shielded Room)

Trace: Ref Trace:

Condition: FCC PART 15B VB(KNW-407)
EUT : Constant Care 1500 Secure Sound Monitor
M/N : 625000
OP Cond : TX
Test Engineer: Jimmy
Test Spec : Adaptor input 120V/60Hz output DC 9v
Comment : Temp:24'C
: Humi:56%

APPENDIX II

AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.
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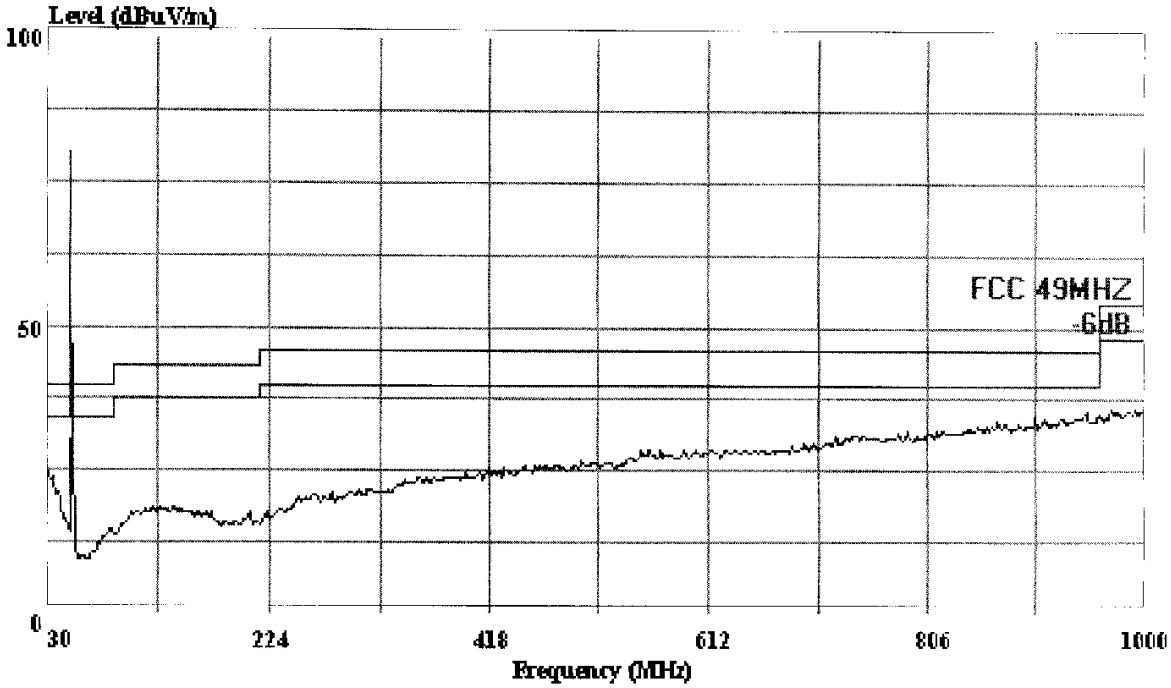
Data#: 13 File#: Technic start.EMI Date: 2002-09-27 Time: 23:32:40



Trace: Ref Trace:

Condition: FCC 49MHZ 3m 2597 HORIZONTAL
EUT : Constant Care 1500 Secure Sound Monitor
M/N : 625000
Power : Adaptor input 120V/60Hz output DC 9V
Test Engineer: Lina
Memo : CH A
: TX

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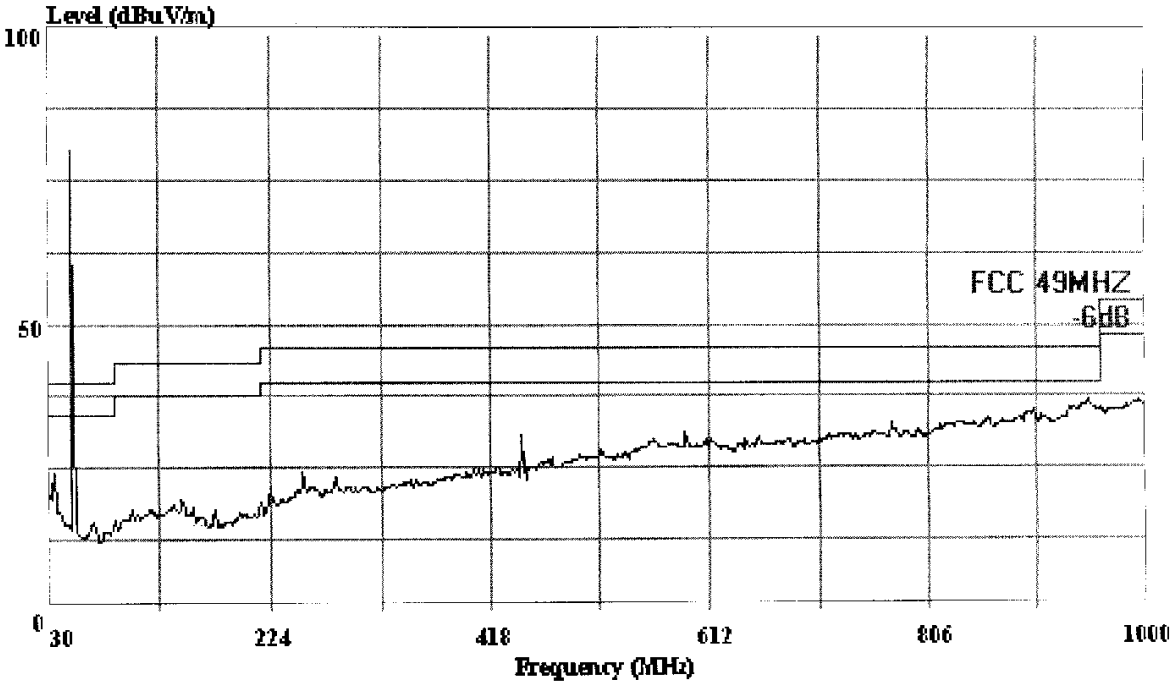
Data#: 15 File#: Technic start.EMI Date: 2002-09-27 Time: 23:40:01



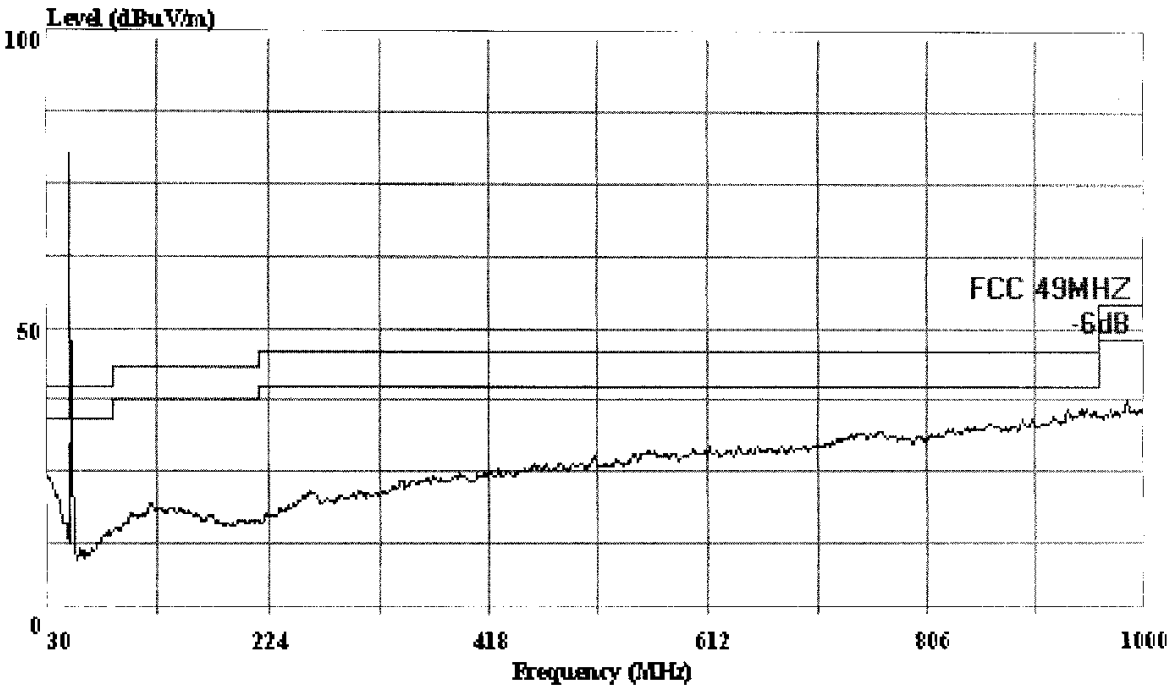
AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. (3# Chamber)

Trace: Ref Trace:

Condition: FCC 49MHZ 3m 2597 VERTICAL
EUT : Constant Care 1500 Secure Sound Monitor
M/N : 625000
Power : Adaptor input 120V/60Hz output DC 9V
Test Engineer: Ling
Memo : CH A
: TX

AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.
Shenzhen Science & Tnd. Park
Tel: 0755-26639495~7
Fax: 0755-26632877

Data#: 11 File#: Technic start.EMI Date: 2002-09-27 Time: 23:24:39



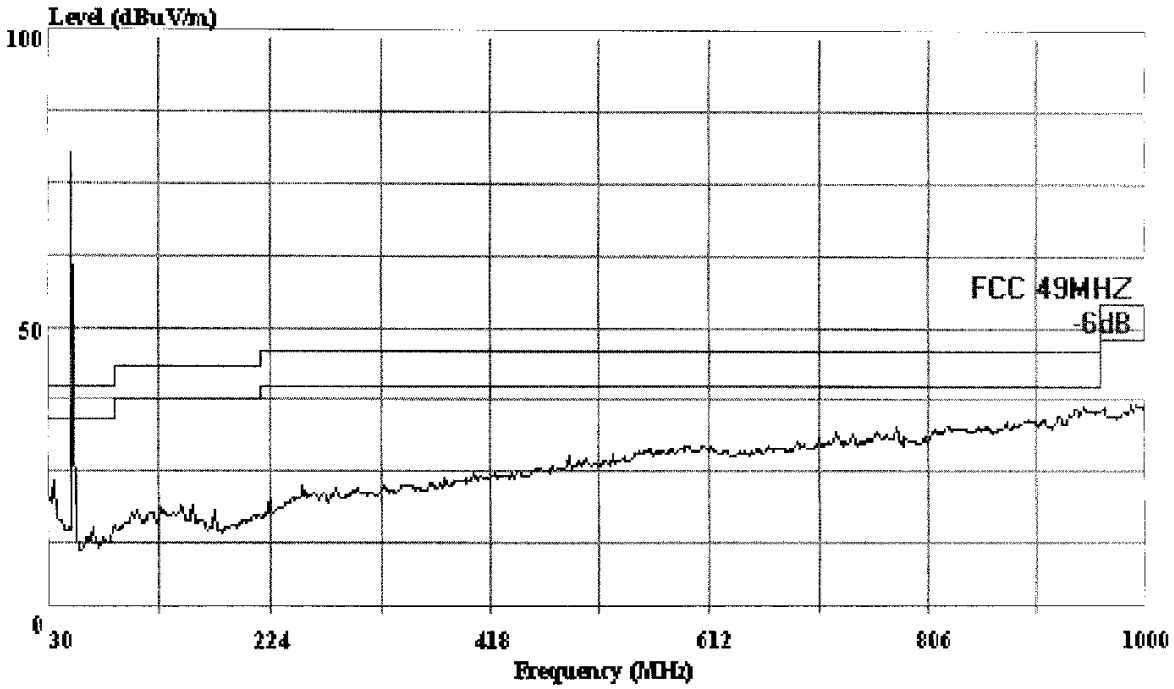
AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. (3# Chamber)

Trace: Ref Trace:

Condition: FCC 49MHZ 3m 2597 HORTZONTAL
EUT : Constant Care 1500 Secure Sound Monitor
M/N : 625000
Power : Adaptor input 120V/60Hz output DC 9V
Test Engineer: Ling
Memo : CH B
: TX

AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.
Shenzhen Science & Tnd. Park
Tel: 0755-26639495~7
Fax: 0755-26632877

Data#: 9 File#: Technic start.EMI Date: 2002-09-27 Time: 23:21:49



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

Trace: Ref Trace:

Condition: FCC 49MHZ 3m 2597 VERTICAL
EUT : Constant Care 1500 Secure Sound Monitor
M/N : 625000
Power : Adaptor input 120V/60Hz output DC 9V
Test Engineer: Ling
Memo : CH B
: TX