

APPLICATION FOR CERTIFICATION

On Behalf of

Elitegroup Computer Systems Co., Ltd.

Notebook PC

Model Number: 331

Prepared for : Elitegroup Computer Systems Co., Ltd.
3F., No.240, Sec.1, Nei Hu Road, Taipei

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-F05265
Date of Test : Aug. 09~25, 2005
Date of Report : Aug. 25, 2005

TABLE OF CONTENTS

Description	Page
FCC Test Report for Declaration of Conformity	
1. GENERAL INFORMATION	1-5
1.1. Description of Device (EUT)	1-5
1.2. Test Facility	1-6
1.3. Measurement Uncertainty	1-6
2. POWER LINE CONDUCTED EMISSION TEST	2-1
2.1. Test Equipments	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
3. RADIATED EMISSION TEST	3-1
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	3-3
3.5. Operating Condition of EUT	3-3
3.6. Test Procedure	3-3
3.7. Radiated Emission Test Result	3-4
4. 6dB BANDWIDTH MEASUREMENT	4-1
4.1. Test Equipment	4-1
4.2. Block Diagram of Test Setup	4-1
4.3. Operating Condition of EUT	4-1
4.4. Test Procedure	4-1
4.5. Test Results	4-1
5. BANDWIDTH TEST	5-1
5.1. Test Equipment	5-1
5.2. Test Standard	5-1
5.3. Bandwidth Limit	5-1
5.4. Test Procedure	5-1
6. THE MAXIMUM PEAK OUTPUT POWER MEASUREMENT	6-1
6.1. Test Equipment	6-1
6.2. Block Diagram of Test Setup	6-1
6.3. Specification Limits (§15.247(b)-(1))	6-1
6.4. Operating Condition of EUT	6-1
6.5. Test Procedure	6-1
6.6. Test Results	6-1
7. PEAK POWER DENSITY	7-1
7.1. Test Equipment	7-1
7.2. Block Diagram of Test Setup	7-1
7.3. Specification Limits (§15.247(d))	7-1
7.4. Operating Condition of EUT	7-1
7.5. Test Procedure	7-1
7.6. Test Results	7-1

8. DEVIATION TO TEST SPECIFICATIONS	8-1
9. PHOTOGRAPH.....	9-1
9.1. Photos of Power Line Conducted Emission Test.....	9-1
9.2. Photos of Radiated Emission Test.....	9-2
9.3. Photo of 6dB Bandwidth Measurement	9-3
9.4. Photo of Bandwidth Test.....	9-4
9.5. Photo of The Maximum Peak Output Power Measurement	9-4
9.6. Photo of Peak Power Density.....	9-5

APPENDIX I (7 pages)
APPENDIX II (19 pages)

TEST REPORT DECLARATION

Applicant : Elitegroup Computer Systems Co., Ltd.
 Manufacturer : Elitegroup Computer Systems Co., Ltd.
 EUT Description : Notebook PC
 (A) MODEL NO. : 331
 (B) SERIAL NO. : F2005082501
 (C) POWER SUPPLY : DC 19V Adaptor Input AC 120V/60Hz

Test Procedure Used:

FCC Rules and Regulations Part 15 Subpart C Apr 2004.

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 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.

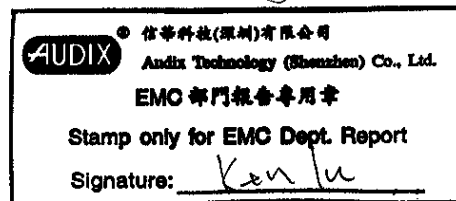
This report must not be used by the applicant to claim product endorsement by NVLAP or any agency of the U.S. Government.

Date of Test : Aug. 09~25, 2005

Prepared by : Susan Liu
Susan Liu / Assistant

Reviewer : Lake Wang
Lake Wang / Supervisor

Approved & Authorized Signer :



Ken Lu / Assistant Manager

Name of the Representative of the Responsible Party : _____

Signature : _____

1. GENERAL INFORMATION

1.1. Description of Device (EUT)

Description	:	Notebook PC
Model Number	:	331
Applicant	:	Elitegroup Computer Systems Co., Ltd. 3F., No.240, Sec.1, Nei Hu Road, Taipei
Manufacturer	:	Elitegroup Computer Systems Co., Ltd. 3F., No.240, Sec.1, Nei Hu Road, Taipei
Date of Test	:	Aug. 09~25, 2005

1.2. Test Facility

Site Description

- 3m Anechoic Chamber : Certificated by FCC, USA
Registration Number: 90454
Aug. 15, 2003
- 3m & 10m Anechoic Chamber : Certificated by FCC, USA
Registration Number: 794232
Mar. 15, 2004
- EMC Lab. : Certificated by DATech, German
Registration Number: DAT-P-091/99-01
Feb. 02, 2004
- Certificated by NVLAP, USA
NVLAP Code: 200372-0
Mar. 31, 2004
- Certificated by Nemko, Norway
Aut. No.: ELA135
April. 22, 2004
- Certificated by Industry Canada
Registration Number: IC 5183
Jul. 28, 2004
- 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. Measurement Uncertainty

No.	Item	Uncertainty	Remark
1.	Uncertainty for Conducted Emission Test	1.22dB	
2.	Uncertainty for Radiated Emission Test	3.14dB	3m Chamber
3.	Uncertainty for Radiated Emission Test	3.18dB	10m Chamber
4.	Uncertainty for Power Clamp Test	1.38dB	

2. POWER LINE CONDUCTED EMISSION TEST

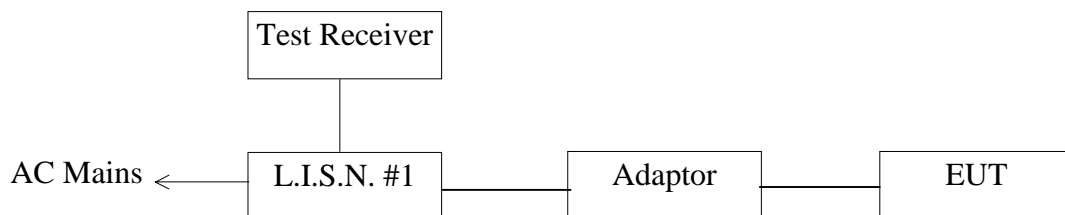
2.1. Test Equipments

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	May 16, 05	1 Year
2	L.I.S.N.#1	Rohde & Schwarz	ENV4200	100041	May 16, 05	1 Year
3	L.I.S.N.#2	Kyoritsu	KNW-407	8-1628-5	May 16, 05	1 Year
4	L.I.S.N.#3	Kyoritsu	KNW-407	8-541-4	May 16, 05	1 Year
5	Terminator	Hubersuhner	50Ω	No. 1	May 16, 05	1 Year
6	Terminator	Hubersuhner	50Ω	No. 2	May 16, 05	1 Year
7	RF Cable	Fujikura	RG-55/U	LISN Cable 2#	Jul. 31, 05	1/2 Year
8	Passive Probe	Rohde & Schwarz	ESH2-Z3	299.7810.52	May 16, 05	1 Year
9	Coaxial Switch	Anritsu	MP59B	6200298346	Jul. 31, 05	1/2 Year
10	Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100341	Jul. 31, 05	1/2 Year
11	PC	N/A	586ATX	N/A	N/A	N/A
12	Printer	HP	Laserjet1300	SGC13007093	N/A	N/A

2.2. Block Diagram of Test Setup

2.2.1. Block diagram of connection between the EUT and simulators



(EUT: Notebook PC)

2.3. Power Line Conducted Emission Test Limits

Frequency	Maximum RF Line Voltage	
	Quasi-Peak Level dB(μ V)	Average Level dB(μ 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. Notebook PC (EUT)

Model Number : 331

Serial Number : F2005082501

Manufacturer : Elitegroup Computer Systems Co., Ltd.

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 (burn test (TX) 800*600 60Hz/ burn test (TX) 1024*768 60Hz/ burn test (TX) 1280*800 60Hz) and measure it.

2.6. Test Procedure

The EUT is connected to the power mains through a line impedance stabilization network (L.I.S.N.#1). This provides a 50 ohm coupling impedance for the EUT. Please refer the block diagram of the test setup and photographs. Power on the PC 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 C63.4-2001 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	: Aug. 13, 2005	Temperature	: 24.3°C
EUT	: Notebook PC	Humidity	: 56%
Model No.	: 331	Test Mode	: Burn test (TX)
Test Engineer	: Qiyuang	Memo	: 800*600 60Hz

Frequency (MHz)	Reading (dB μ V)				Limit (dB μ V)	
	VA		VB		Quasi-Peak	Average
	Quasi-Peak	Average	Quasi-Peak	Average		
0.15	55.91	47.91	55.38	40.58	66.00	56.00
0.17	N/A	N/A	53.07	42.86	64.94	54.94
0.18	N/A	N/A	50.86	42.00	64.42	54.42
0.23	48.39	36.91	N/A	N/A	62.52	52.52
0.29	42.56	37.15	N/A	N/A	60.41	50.41
0.30	N/A	N/A	43.13	36.18	60.32	50.32
0.37	37.38	30.07	N/A	N/A	58.47	48.47
3.99	N/A	N/A	39.65	31.76	56.00	46.00
4.05	37.65	29.25	N/A	N/A	56.00	46.00
21.71	N/A	N/A	42.16	34.23	60.00	50.00
21.83	40.42	30.73	N/A	N/A	60.00	50.00

Remark: 1) If the data table appeared symbol of "N/A" means the value was too low to be measured.

2) If the data table appeared symbol of "*" means the Q.P. value is under the limit for average, so, the average value had been omitted.

Reviewer :

Wabe 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	May 16, 05	1 Year
2.	Test Receiver	Rohde & Schwarz	ESVS20	830350/005	May 16, 05	1 Year
3.	Amplifier	HP	8447D	2944A07794	Mar.15, 05	1/2 Year
4.	Bilog Antenna	Schaffner	CBL6111C	2598	Jan. 12, 05	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	Jul. 29, 05	1/2 Year
8.	RF Cable	MIYAZAKI	5D-2W	3# Chamber No.2	Jul. 29, 05	1/2 Year
9.	RF Cable	FUJIKURA	RG-55/U	3# Chamber No.3	Jul. 29, 05	1/2 Year
10.	RF Cable	FUJIKURA	RG-55/U	3# Chamber No.4	Jul. 29, 05	1/2 Year
11.	Coaxial Switch	Anritsu	MP59B	M73989	Jul. 29, 05	1/2 Year

3.2. Block Diagram of Test Setup

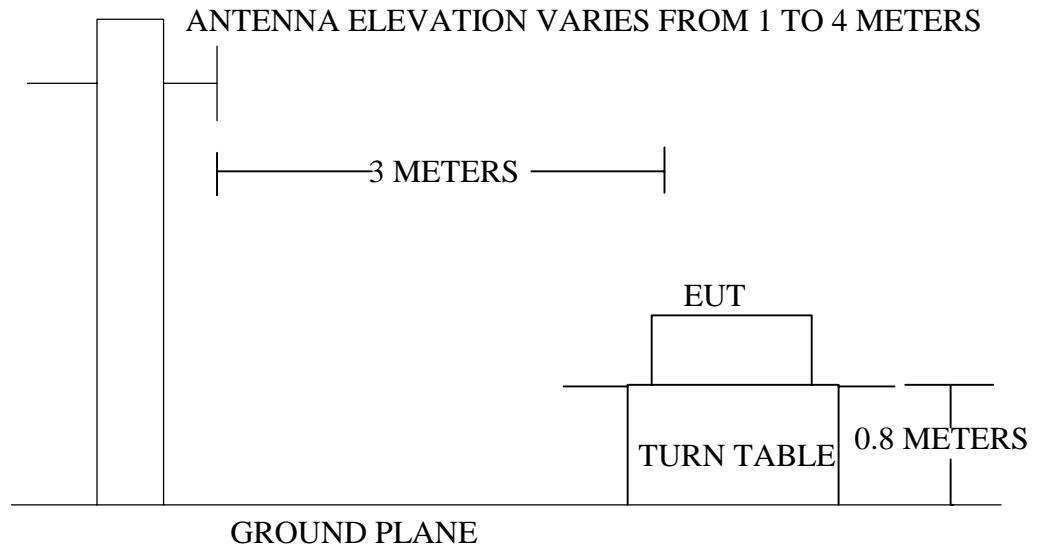
3.2.1. Block diagram of connection between the EUT and simulators



(EUT: Notebook PC)

3.2.2.In Anechoic Chamber

ANTENNA TOWER



3.3.Radiated Emission Limit

FREQUENCY MHz	DISTANCE Meters	FIELD STRENGTHS LIMIT	
		$\mu\text{V}/\text{m}$	$\text{dB}(\mu\text{V})/\text{m}$
30 ~ 88	3	100	40.0
88 ~ 216	3	150	43.5
216 ~ 960	3	200	46.0
960 ~ 1000	3	500	54.0
Above 1000	3	Local Oscillator: 114.0 $\text{dB}(\mu\text{V})/\text{m}$ (Peak) 94.0 $\text{dB}(\mu\text{V})/\text{m}$ (Average) Other: 74.0 $\text{dB}(\mu\text{V})/\text{m}$ (Peak) 54.0 $\text{dB}(\mu\text{V})/\text{m}$ (Average)	

- Remark :
- (1) Emission level $\text{dB}\mu\text{V} = 20 \log$ Emission level $\mu\text{V}/\text{m}$
 - (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.Notebook PC (EUT)

Model Number : 331
Serial Number : F2005082501
Manufacturer : Elitegroup Computer Systems Co., Ltd.

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

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 mode (burn test (TX) 800*600 60Hz/ burn test (TX) 1024*768 60Hz/ burn test (TX) 1280*800 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 24.44GHz is checked.

The test mode (burn test (TX) 800*600 60Hz/ burn test (TX) 1024*768 60Hz/ burn test (TX) 1280*800 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 :	Aug. 23, 2005	Temperature :	23.8°C
EUT :	Notebook PC	Humidity :	62%
Model No. :	331	Test Mode :	Burn test(TX)
Test Engineer:	Victor	Memo :	1280*800 60Hz

Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading Horizontal dB μ V	Emission Level Horizontal dB μ V/m	Over Limits dB	Limits dB μ V/m
208.480	10.18	3.19	26.53	39.90	-3.60	43.50
334.580	15.01	4.17	23.59	42.77	-3.23	46.00
434.490	16.77	4.95	19.84	41.56	-4.44	46.00
577.080	18.93	5.81	17.35	42.09	-3.91	46.00
670.200	19.66	6.18	15.92	41.75	-4.25	46.00
834.130	21.92	6.88	13.77	42.57	-3.43	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 334.580MHz with corrected signal level of 42.77dB μ V/m (Limit is 46.00dB μ V/m) when the antenna was at horizontal polarization and at 1.2m high and the turn table was at 180 ° .
 4. 0 ° was the table front facing the antenna. Degree is calculated from 0 ° clockwise facing the antenna.

Reviewer : Wabe Wang

Date of Test :	Aug. 23, 2005	Temperature :	23.8°C
EUT :	Notebook PC	Humidity :	62%
Model No. :	331	Test Mode :	Burn test(TX)
Test Engineer:	Victor	Memo :	1280*800 60Hz

Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading Vertical dB μ V	Emission Level Vertical dB μ V/m	Over Limits dB	Limits dB μ V/m
61.040	6.91	1.61	27.94	36.46	-3.54	40.00
235.640	11.19	3.48	27.05	41.72	-4.28	46.00
334.580	13.57	4.17	24.91	42.65	-3.35	46.00
528.580	18.16	5.39	19.63	43.18	-2.82	46.00
715.790	21.16	6.34	14.93	42.43	-3.57	46.00
816.670	22.05	6.91	13.83	42.78	-3.22	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 528.580MHz with corrected signal level of 43.18dB μ V/m (Limit is 46.00dB μ V/m) when the antenna was at vertical polarization and at 1.1m high and the turn table was at 0°.
 4. 0° was the table front facing the antenna. Degree is calculated from 0° clockwise facing the antenna.

Reviewer : Abbe Wang

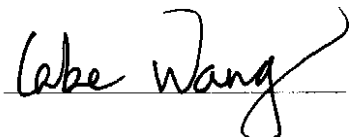
Date of Test :	<u>Aug. 22, 2005</u>	Temperature :	<u>23°C</u>
EUT :	<u>Notebook PC</u>	Humidity :	<u>54%</u>
Model No. :	<u>331</u>	Test Mode :	<u>Burn test(TX)</u>
Test Engineer:	<u>Mario</u>	Memo :	<u>Channel 1</u>

Frequency MHz	Antenna Factor dB	Cable Loss dB	Meter Reading Horizontal dB μ V	Emission Level Horizontal dB μ V/m	Over Limits dB	Limits dB μ V/m	Remark
7236.000	37.39	10.78	11.62	59.79	-14.21	74.00	Peak
7236.000	37.39	10.78	1.62	49.79	-4.21	54.00	Average

Remark: 1. All readings are Peak and Average values.

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

3. The bandwidth of the RBW is set at 1MHz and VBW is set at 1MHz.

Reviewer : 

Date of Test :	<u>Aug. 22, 2005</u>	Temperature :	<u>23°C</u>
EUT :	<u>Notebook PC</u>	Humidity :	<u>54%</u>
Model No. :	<u>331</u>	Test Mode :	<u>Burn test(TX)</u>
Test Engineer:	<u>Mario</u>	Memo :	<u>Channel 7</u>

Frequency MHz	Antenna Factor dB	Cable Loss dB	Meter Reading Horizontal dB μ V	Emission Level Horizontal dB μ V/m	Over Limits dB	Limits dB μ V/m	Remark
7326.110	37.52	10.83	14.81	63.16	-10.84	74.00	Peak
7326.110	37.52	10.83	1.81	50.16	-3.84	54.00	Average

Remark: 1. All readings are Peak and Average values.

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

3. The bandwidth of the RBW is set at 1MHz and VBW is set at 1MHz.

Reviewer : *Wabe Wang*

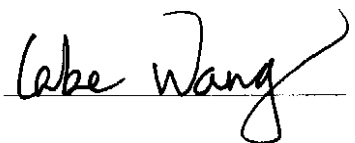
Date of Test :	<u>Aug. 22, 2005</u>	Temperature :	<u>23°C</u>
EUT :	<u>Notebook PC</u>	Humidity :	<u>54%</u>
Model No. :	<u>331</u>	Test Mode :	<u>Burn test(TX)</u>
Test Engineer:	<u>Mario</u>	Memo :	<u>Channel 13</u>

Frequency MHz	Antenna Factor dB	Cable Loss dB	Meter Reading Horizontal dB μ V	Emission Level Horizontal dB μ V/m	Over Limits dB	Limits dB μ V/m	Remark
7416.110	37.66	10.88	17.61	66.15	-7.85	74.00	Peak
7416.110	37.66	10.88	2.61	51.15	-2.85	54.00	Average

Remark: 1. All readings are Peak and Average values.

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

3. The bandwidth of the RBW is set at 1MHz and VBW is set at 1MHz.

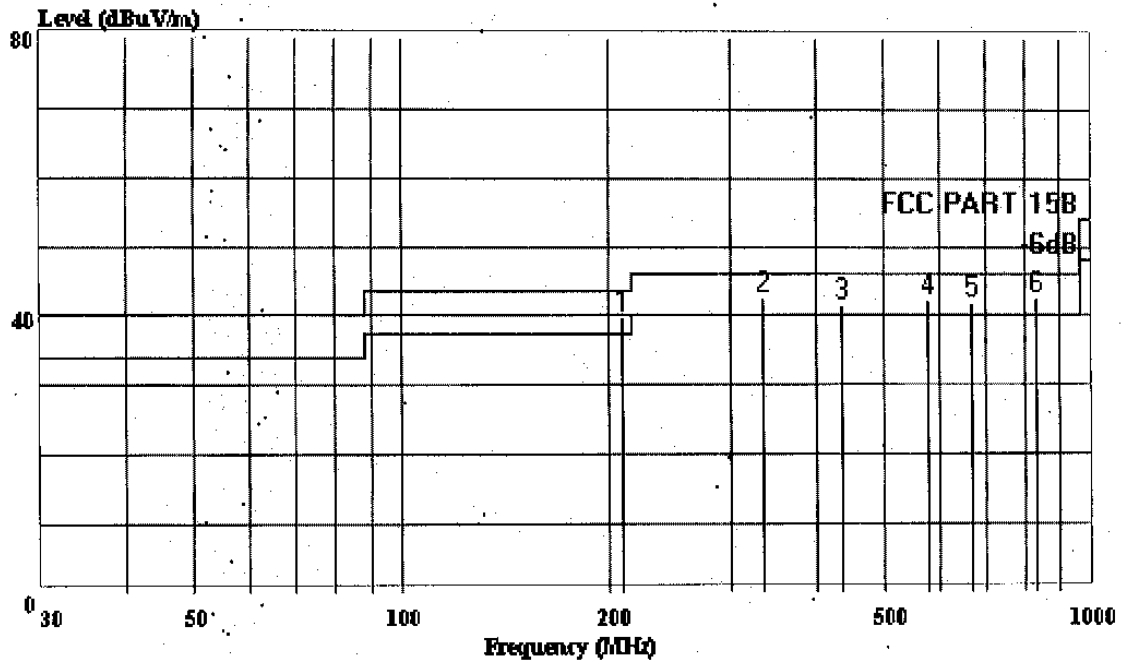
Reviewer : 



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.

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

Data#: 36 File#: ECS.EMI Date: 2005-08-23 Time: 01:30:00



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

Trace:

Ref Trace:

Condition: FCC PART 15B 3m 2598FACTOR HORIZONTAL
 EUT : Notebook PC
 M/N : 331
 Power : DC 19V Adaptor Input AC 120V/60Hz
 Test Mode : Burn test (TX)
 Test Enginee: Victor
 Comment : Temp:23.8'C Humi:62%
 Memo : 1280*800 60Hz
 : AntPos:1.9m TablePos:0'

Page: 1

	Freq	Level	Over Limit	Limit	Read	Probe	Cable
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB
1 !	208.480	39.90	-3.60	43.50	26.53	10.18	3.19
2 !	334.580	42.77	-3.23	46.00	23.59	15.01	4.17
3 !	434.490	41.56	-4.44	46.00	19.84	16.77	4.95
4 !	577.080	42.09	-3.91	46.00	17.35	18.93	5.81
5 !	670.200	41.75	-4.25	46.00	15.92	19.66	6.18
6 !	834.130	42.57	-3.43	46.00	13.77	21.92	6.88



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.

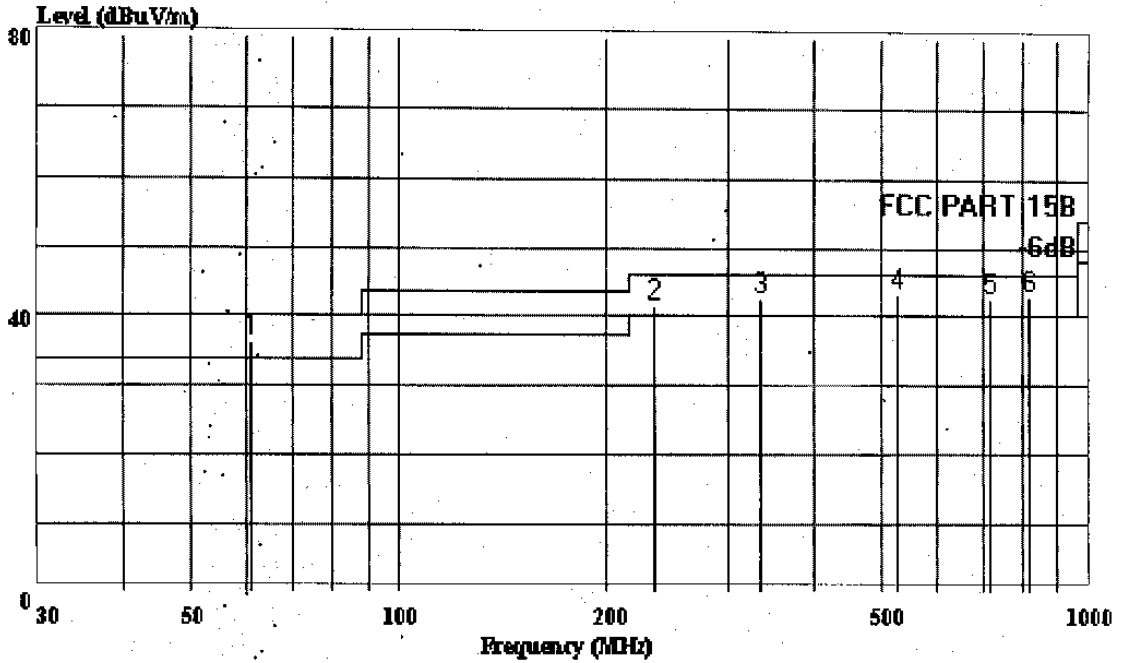
Shenzhen Science & Ind. Park

Tel: 0755-26639495~7

Fax: 0755-26632877

Data#: 34 File#: ECS.EMI

Date: 2005-08-23 Time: 01:20:01



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

Trace:

Ref Trace:

Condition: FCC PART 15B 3m 2598FACTOR VERTICAL

EUT : Notebook PC

M/N : 331

Power : DC 19V Adaptor Input AC 120V/60Hz

Test Mode : Burn test (TX)

Test Enginee: Victor

Comment : Temp:23.8'C Humi:62%

Memo : 1280*800 60Hz

: AntPos:1.1m TablePos:0'

Page: 1

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB
1 !	61.040	36.46	-3.54	40.00	27.94	6.91	1.61
2 !	235.640	41.72	-4.28	46.00	27.05	11.19	3.48
3 !	334.580	42.65	-3.35	46.00	24.91	13.57	4.17
4 !	528.580	43.18	-2.82	46.00	19.63	18.16	5.39
5 !	715.790	42.43	-3.57	46.00	14.93	21.16	6.34
6 !	816.670	42.78	-3.22	46.00	13.83	22.05	6.91

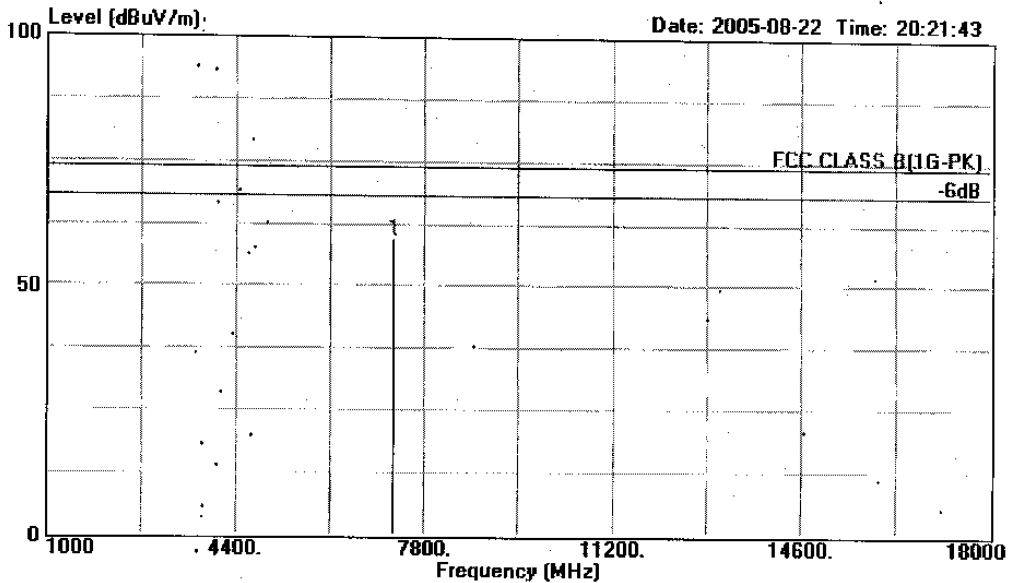


信華科技(深圳)有限公司

AUDIX Technology (Shenzhen) Co., Ltd.

No. 6, Ke Feng Road, Block 52,
Shenzhen Science & Industry Park
Nahtou, Shenzhen, Guangdong, China
Tel:+86-755-26639496 Fax:+86-755-26632877

Data#: 38 File#: C:\EMI TEST DATA\E\Ecs.emi



Site : 1# Chamber
Condition : FCC CLASS B(1G-PK) 3m 3115 FACTOR HORIZONTAL
EUT : Notebook PC
M/N : 331
Power : DC 19V Adaptor Input AC 120V/60Hz
Test Engineer : MARIO
Test Mode : burn test (TX)
Comment : Temp:23' Humi:54%
Memo : Channel 1
: AntPos:1.5m Tablepos:0'

Freq	Level	Over	Limit	Read	Cable	Probe	Remark.
MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	
1 7236.000	59.79	-14.21	74.00	11.62	10.78	37.39	Peak

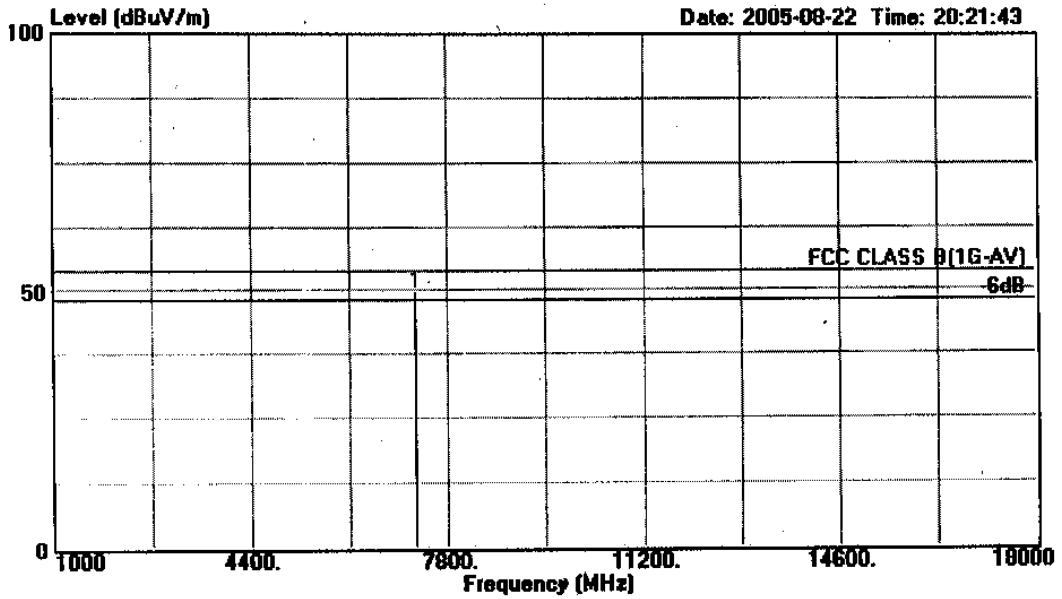


信華科技(深圳)有限公司

AUDIX Technology (Shenzhen) Co., Ltd.

No. 6, Ke Feng Road, Block 52,
Shenzhen Science & Industry Park
Nantou, Shenzhen, Guangdong, China
Tel:+86-755-26639496 Fax:+86-755-26632877

Data#: 58 File#: C:\EMI TEST DATA\E\Ecs.emi



Site : 1# Chamber
 Condition : FCC CLASS B(1G-AV) 3m 3115 FACTOR HORIZONTAL
 EUT : Notebook PC
 M/N : 331
 Power : DC 19V Adaptor Input AC 120V/60Hz
 Test Engineer : MARIO
 Test Mode : burn test (TX)
 Comment : Temp:23' Humi:54%
 Memo : Channel 1
 : AntPos:1.5m Tablepos:0'
 :

Freq	Level	Over Limit	Limit	Read	Cable	Probe	Remark
MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	
1 ! 7236.000	49.79	-4.21	54.00	1.62	10.78	37.39	Average

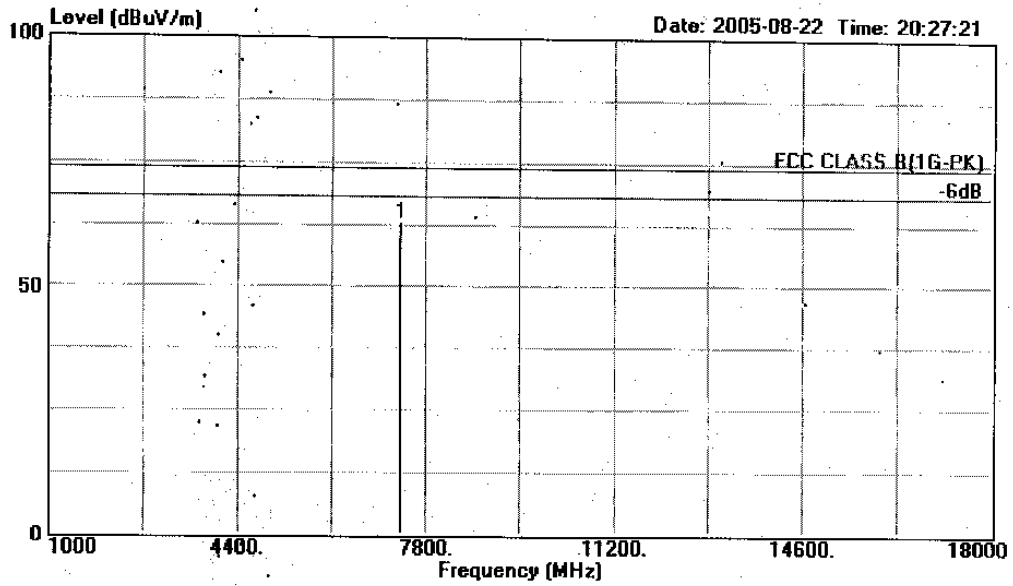


信華科技(深圳)有限公司

AUDIX Technology (Shenzhen) Co., Ltd.

No. 6, Ke Feng Road, Block. 52,
Shenzhen Science & Industry Park
Nantou, Shenzhen, Guangdong, China
Tel:+86-755-26639496 Fax:+86-755-26632877

Data#: 42 File#: C:\EMI TEST DATA\E\Ecs.emi



Site : 1# Chamber
Condition : FCC CLASS B(1G-PK) 3m 3115 FACTOR HORIZONTAL
EUT : Notebook PC
M/N : 331
Power : DC 19V Adaptor Input AC 120V/60Hz
Test Engineer : MARIO
Test Mode : burn test (TX)
Comment : Temp:23 Humi:54%
Memo : Channel 7
: AntPos:1.5m Tablepos:0'

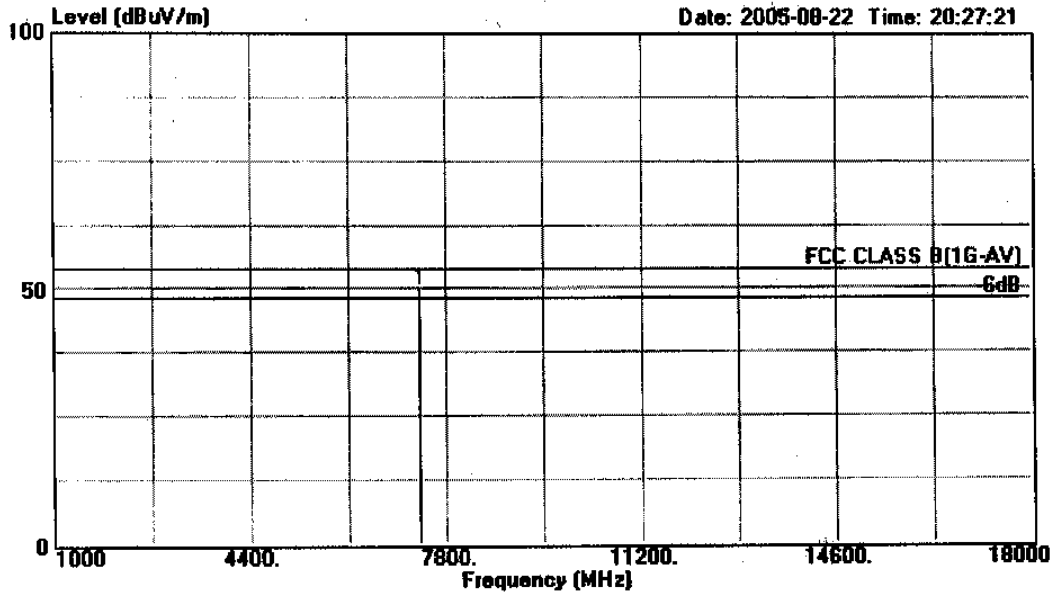
	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Probe Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	
1	7326.110	63.16	-10.84	74.00	14.81	10.83	37.52	Peak



信華科技(深圳)有限公司
AUDIX Technology (Shenzhen) Co., Ltd.

No. 6, Ke Feng Road, Block S2,
 Shenzhen Science & Industry Park
 Nantou, Shenzhen, Guangdong, China
 Tel:+86-755-26639496 Fax:+86-755-26632877

Data#: 60 File#: C:\EMI TEST DATA\E\Ecs.emi



Site : 1# Chamber
 Condition : FCC CLASS B(1G-AV) 3m 3115 FACTOR HORIZONTAL
 EUT : Notebook PC
 M/N : 331
 Power : DC 19V Adaptor Input AC 120V/60Hz
 Test Engineer : MARIO
 Test Mode : burn test (TX)
 Comment : Temp:23' Humi:54%
 Memo : Channel 7
 : AntPos:1.5m Tablepos:0'
 ;

Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Probe Factor	Remark
MHz	dBUV/m	dB	dBUV/m	dBUV	dB	dB	
1 ! 7326.110	50.16	-3.84	54.00	1.81	10.63	37.52	Average

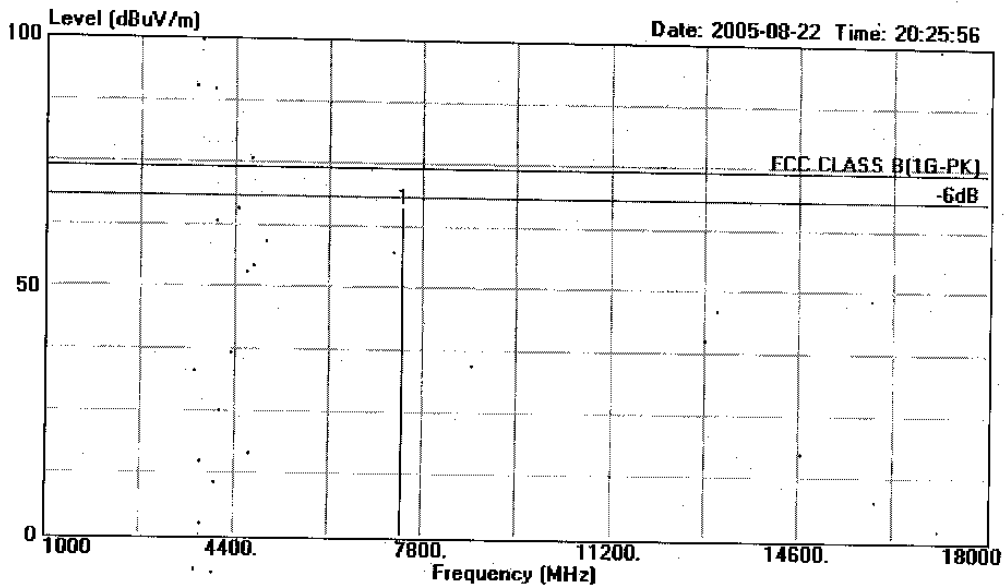


信華科技(深圳)有限公司

AUDIX Technology (Shenzhen) Co., Ltd.

No. 6, Ke Feng Road, Block 52,
Shenzhen Science & Industry Park
Nantou, Shenzhen, Guangdong, China
Tel:+86-755-26639496 Fax:+86-755-26632877

Data#: 54 File#: C:\EMI TEST DATA\E\Ecs.emi



Site : 1# Chamber
Condition : FCC CLASS B(1G-PK) 3m 3115 FACTOR HORIZONTAL
EUT : Notebook PC
M/N : 331
Power : DC 19V Adaptor Input AC 120V/60Hz
Test Engineer : MARIO
Test Mode : burn test (TX)
Comment : Temp:23' Humi:54%
Memo : Channel 13
: AntPos:1.5m Tablepos:0'

Line	Freq	Level	Over Limit	Limit	Read	Cable	Probe	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	
1	7416.110	66.15	-7.85	74.00	17.61	10.88	37.66	Peak

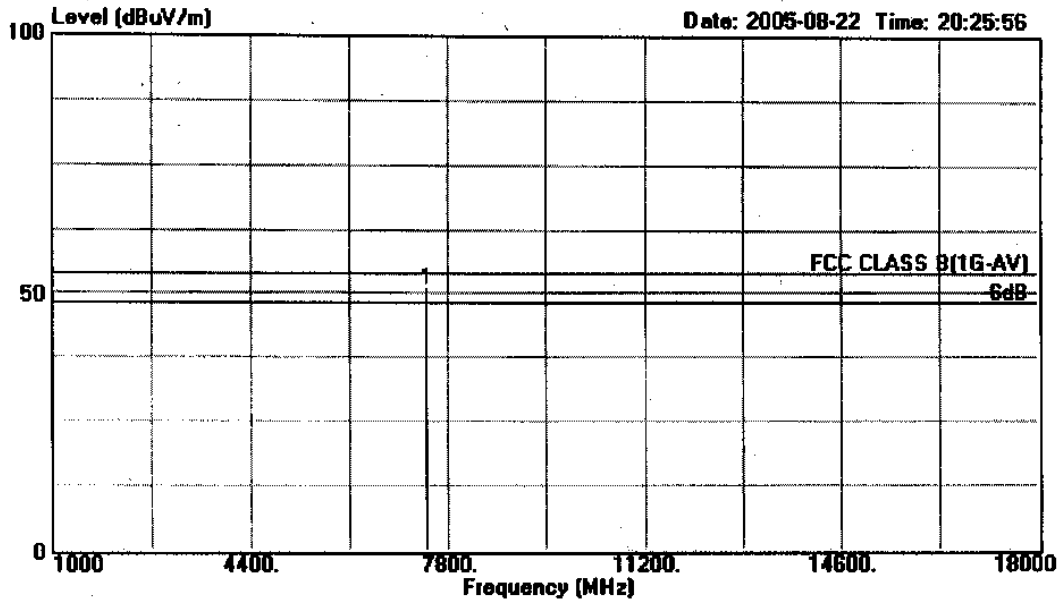


信華科技(深圳)有限公司

AUDIX Technology (Shenzhen) Co., Ltd.

No. 6, Ke Feng Road, Block 52,
Shenzhen Science & Industry Park
Nantou, Shenzhen, Guangdong, China
Tel:+86-755-26639496 Fax:+86-755-26632877

Data#: 59 File#: C:\EMI TEST DATA\E\Ecs.emi



Site : 1# Chamber
 Condition : FCC CLASS B(1G-AV) 3m 3115 FACTOR HORIZONTAL
 EUT : Notebook PC
 M/N : 331
 Power : DC 19V Adaptor Input AC 120V/60Hz
 Test Engineer : MARIO
 Test Mode : burn test (TX)
 Comment : Temp:23 Humi:54%
 Memo : Channel 13
 : AntPos:1.5m Tablepos:0'
 :

	Over	Limit	Read	Cable	Probe	
Freq	Level	Limit	Line	Level	Loss	Factor Remark
MHz	dBUV/m	dB	dBUV/m	dBUV	dB	dB
1 7416.110	51.15	-2.65	54.00	2.61	10.88	37.66 Average

4. 6dB BANDWIDTH MEASUREMENT

4.1. Test Equipment

The following test equipment were used during the Emission Bandwidth Test :

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum	Agilent	E4407B	MY41440292	May 16,05	1 Year

4.2. Block Diagram of Test Setup



(EUT: Notebook PC)

4.3. Operating Condition of EUT

4.3.1. Setup the EUT as shown in Section 4.2..

4.3.2. Let the EUT work in test mode (TX Channel 1/ TX Channel 7/
TX Channel 13) and test it.

4.4. Test Procedure

The transmitter output was connected to the spectrum analyzer. The bandwidth of the fundamental frequency was measured by spectrum analyzer with 100kHz RBW and 100kHz VBW. The 6dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 6dB

4.5. Test Results

PASSED.

The testing data was attached in the next pages.

Date of Test : Aug. 22, 2005 Temperature : 23°C
 EUT : Notebook PC Humidity : 54%
 Model No. : 331 Test Mode : TX (Channel 1)
 Test Engineer: Mario

Frequency	6dB Bandwidth	Test Data (MHz)
2412.100MHz	500KHz	2417.750-2405.700=12.05

Date of Test : Aug. 25, 2005 Temperature : 23°C
 EUT : Notebook PC Humidity : 54%
 Model No. : 331 Test Mode : TX (Channel 7)
 Test Engineer: Mario

Frequency	6dB Bandwidth	Test Data (MHz)
2441.2MHz	500KHz	2447.85-2435.400=12.45

Date of Test : Aug. 25, 2005 Temperature : 23°C
 EUT : Notebook PC Humidity : 54%
 Model No. : 331 Test Mode : TX (Channel 13)
 Test Engineer: Mario

Frequency	6dB Bandwidth	Test Data (MHz)
2472.1MHz	500KHz	2478.400-2465.00=13.4

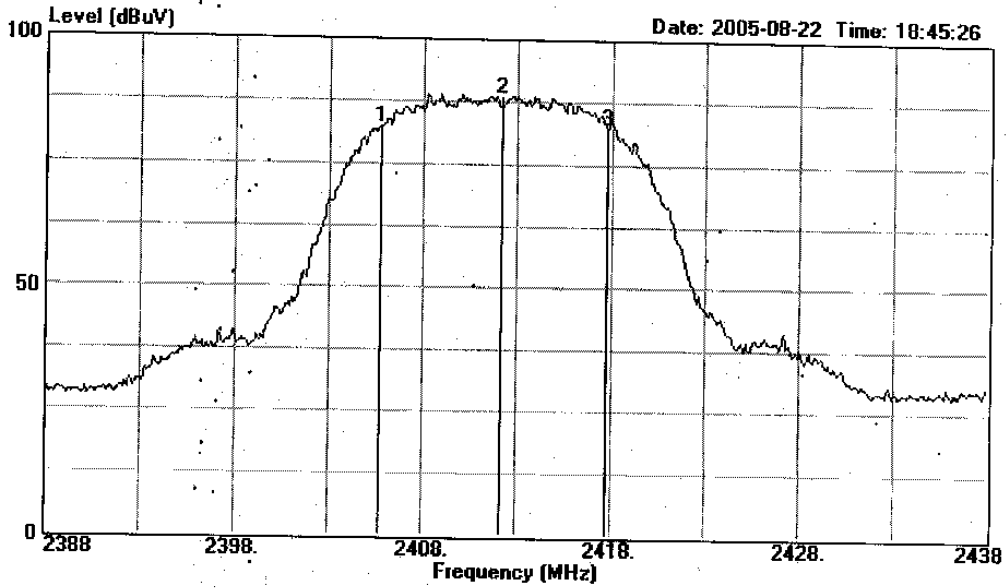
Reviewer : 



信華科技(深圳)有限公司
AUDIX Technology (Shenzhen) Co., Ltd.

No. 6, Ke Feng Road, Block 52,
Shenzhen Science & Industry Park
Nantou, Shenzhen, Guangdong, China
Tel: +86-755-26639496 Fax: +86-755-26632877

Data#: 33 File#: C:\EMI TEST DATA\E\Ecs.emi



Site : 1# Chamber
Condition :
EUT : Notebook PC
M/N : 331
Power : DC 19V Adaptor Input AC 120V/60Hz
Test Engineer.: MARIO
Test Mode : burn test (TX)
Comment : Temp:23 Humi:54%
Memo : Delta 6dB Bandwith>500KHz
: Channel 1

	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Probe Factor	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	2405.700	82.39	-----	-----	82.39	0.00	0.00	Peak
2	2412.100	88.39	-----	-----	88.39	0.00	0.00	Peak
3	2417.750	82.39	-----	-----	82.39	0.00	0.00	Peak

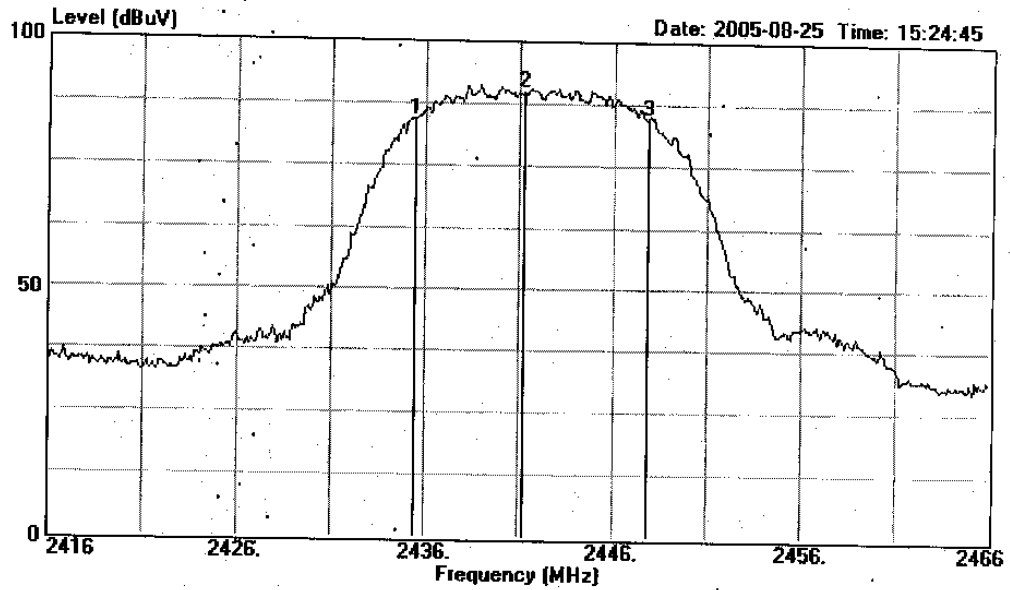


信華科技(深圳)有限公司

AUDIX Technology (Shenzhen) Co., Ltd.

No. 6, Ke Feng Road, Block 52,
Shenzhen Science & Industry Park
Nantou, Shenzhen, Guangdong, China
Tel:+86-755-26639496 Fax:+86-755-26632877

Data#: 56 File#: C:\EMI TEST DATA\E\Ecs.emi



Site : 1# Chamber
Condition :
EUT : Notebook PC
M/N : 331
Power : DC 19V Adaptor Input AC 120V/60Hz
Test Engineer : MARIO
Test Mode : burn test (TX)
Comment : Temp:23 Humi:54%
Memo : Delta 6dB Bandwith>500KHz
: Channel 7

	Freq	Level	Over	Limit	Read	Cable	Probe	
	MHz	dBuV	Limit	Line	Level	Loss	Factor	Remark
			dB	dBuV	dBuV	dB	dB	
1	2435.400	84.35	-----	-----	84.35	0.00	0.00	Peak
2	2441.200	90.25	-----	-----	90.25	0.00	0.00	Peak
3	2447.850	84.75	-----	-----	84.75	0.00	0.00	Peak

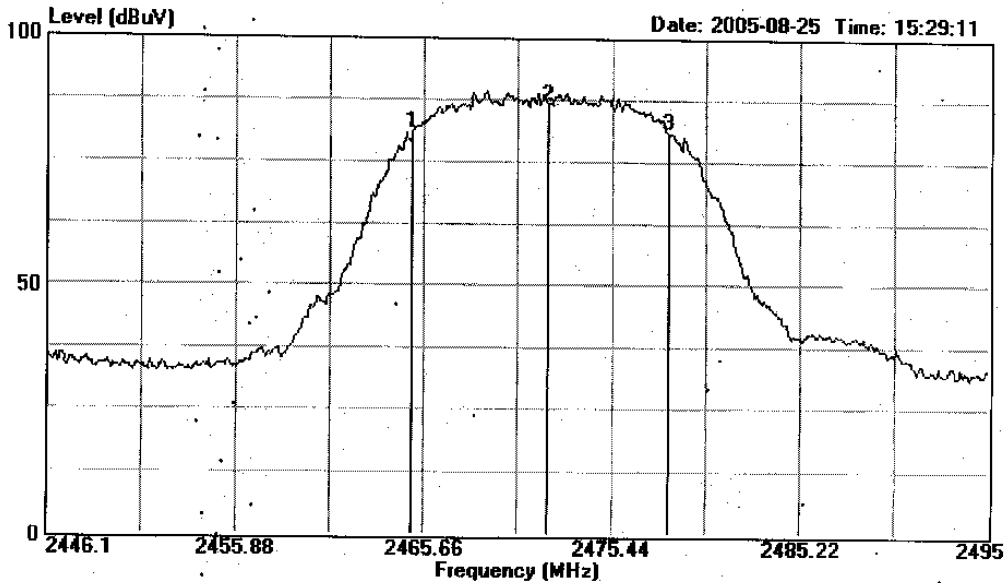


信華科技(深圳)有限公司

AUDIX Technology (Shenzhen) Co., Ltd.

No. 6, Ke Feng Road, Block 52,
Shenzhen Science & Industry Park
Nantou, Shenzhen, Guangdong, China
Tel:+86-755-26639496 Fax:+86-755-26632877

Data#: 57 File#: C:\EMI TEST DATA\E\Ecs.emi



Site : 1# Chamber
Condition :
EUT : Notebook PC
M/N : 331
Power : DC 19V Adaptor Input AC 120V/60Hz
Test Engineer : MARIO
Test Mode : burn test (TX)
Comment : Temp:23 Humi:54%
Memo : Delta 6dB Bandwith>500KHz
: Channel 13

	Freq	Level	Over	Limit	Read	Cable	Probe	Remark
	MHz	dBuV	Limit	Line	Level	Loss	Factor	
			dB	dBuV	dBuV	dB	dB	
1	2465.000	80.88	-----	-----	80.88	0.00	0.00	Peak
2	2472.100	86.88	-----	-----	86.88	0.00	0.00	Peak
3	2478.400	80.88	-----	-----	80.88	0.00	0.00	Peak

5. BANDWIDTH TEST

5.1. 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	Agilent	E4407B	MY41440292	May 16,05	1 Y
2.	Antenna	EMCO	3115	9607-4877	Jun 15, 04	1.5 Y

5.2. Test Standard

The test completeness FCC 15C (15.247).

5.3. Bandwidth Limit

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

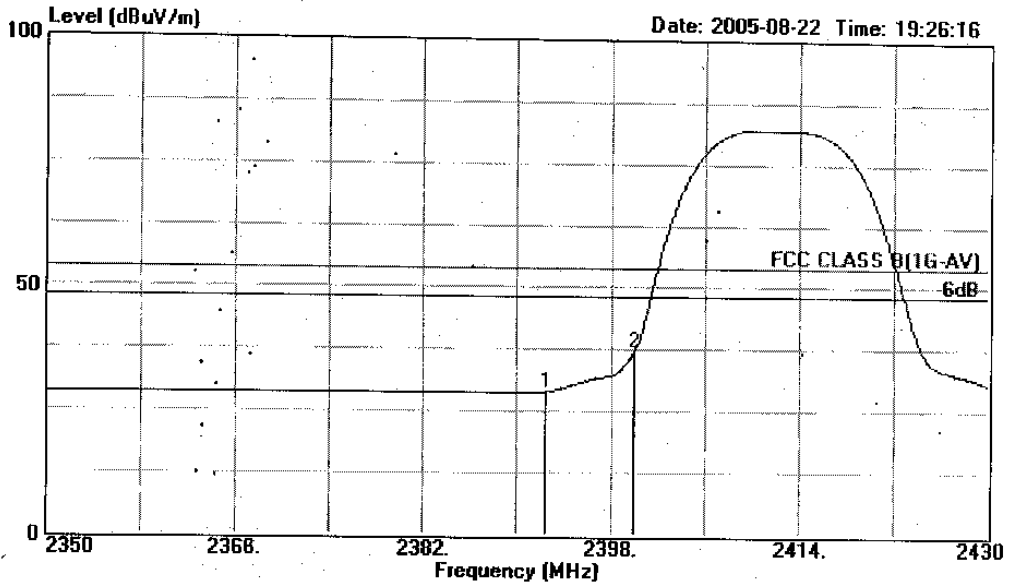
5.4. Test Procedure



信華科技(深圳)有限公司
AUDIX Technology (Shenzhen) Co., Ltd.

No. 6, Ke Feng Road, Block 52,
Shenzhen Science & Industry Park
Nantou, Shenzhen, Guangdong, China
Tel:+86-755-26639496 Fax:+86-755-26632877

Data#: 35 File#: C:\EMI TEST DATA\E\Ecs.emi



Site : 1# Chamber
Condition : FCC CLASS B(1G-AV) 3m
EUT : Notebook PC
M/N : 331
Power : DC 19V Adaptor Input AC 120V/60Hz
Test Engineer : MARIO
Test Mode : burn test (TX)
Comment : Temp:23 Humi:54%
Memo : Channel 1 BAND EDGE

	Over	Limit	Read	Cable	Probe		
Freq	Level	Limit	Line	Level	Loss	Factor	Remark
MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	
1	2392.400	29.00	-25.00	54.00	29.00	0.00	0.00 Average
2	2400.000	37.31	-16.69	54.00	37.31	0.00	0.00 Average

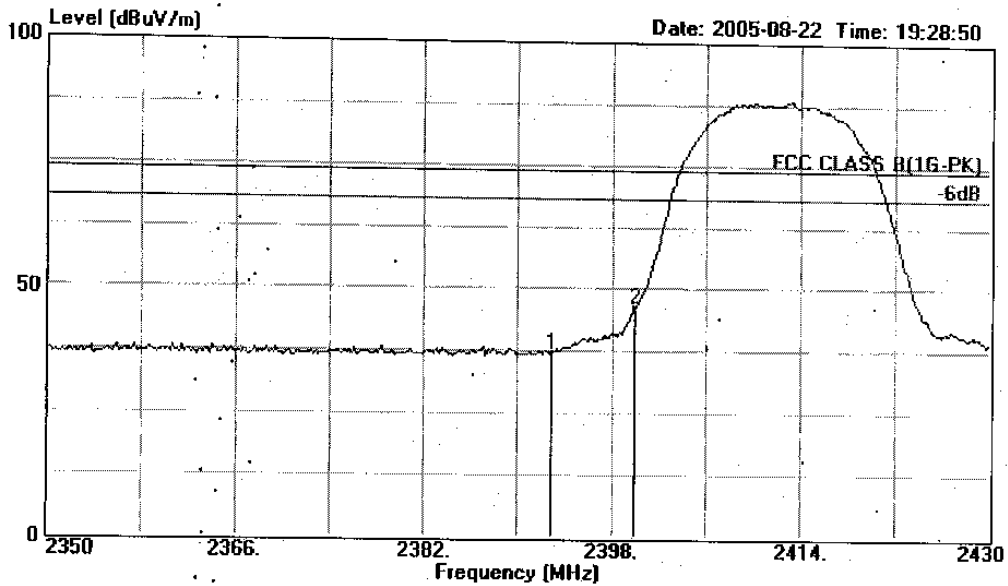


信華科技(深圳)有限公司

AUDIX Technology (Shenzhen) Co., Ltd.

No. 6, Ke Feng Road, Block 52,
Shenzhen Science & Industry Park
Nantou, Shenzhen, Guangdong, China
Tel:+86-755-26639496 Fax:+86-755-26632877

Data#: 36 File#: C:\EMI TEST DATA\E\Ecs.emi



Site : 1# Chamber
Condition : FCC CLASS B(1G-PK) 3m
EUT : Notebook PC
M/N : 331
Power : DC 19V Adaptor Input AC 120V/60Hz
Test Engineer : MARIO
Test Mode : burn test (TX)
Comment : Temp:23 Humi:54%
Memo : Channel 1 BAND EDGE

	Over	Limit	Read	Cable	Probe		
Freq	Level	Limit	Line	Level	Loss	Factor	Remark
MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	
1	2392.800	37.35	-36.65	74.00	37.35	0.00	0.00 Peak
2	2400.000	46.46	-27.54	74.00	46.46	0.00	0.00 Peak

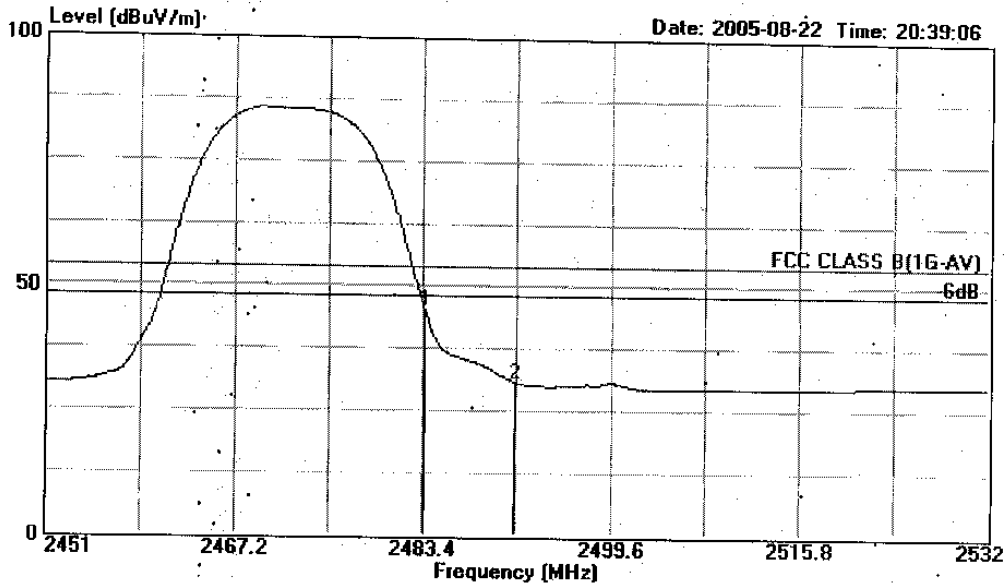


信華科技(深圳)有限公司

AUDIX Technology (Shenzhen) Co., Ltd.

No. 6, Ke Feng Road, Block 52,
Shenzhen Science & Industry Park
Nantou, Shenzhen, Guangdong, China
Tel:+86-755-26639496 Fax:+86-755-26632877

Data#: 44 File#: C:\EMI TEST DATA\E\Ecs.emi



Site : 1# Chamber
Condition : FCC CLASS B(1G-AV) 3m
EUT : Notebook PC
M/N : 331
Power : DC 19V Adaptor Input AC 120V/60Hz
Test Engineer : MARIO
Test Mode : burn test (TX)
Comment : Temp:23 Humi:54%
Memo : Channel 13 BAND EDGE

	Over	Limit	Read	Cable	Probe			
Freq	Level	Limit	Line	Level	Loss	Factor		
MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB		
1	2483.480	45.43	-8.57	54.00	45.43	0.00	0.00	Average
2	2491.260	30.87	-23.13	54.00	30.87	0.00	0.00	Average

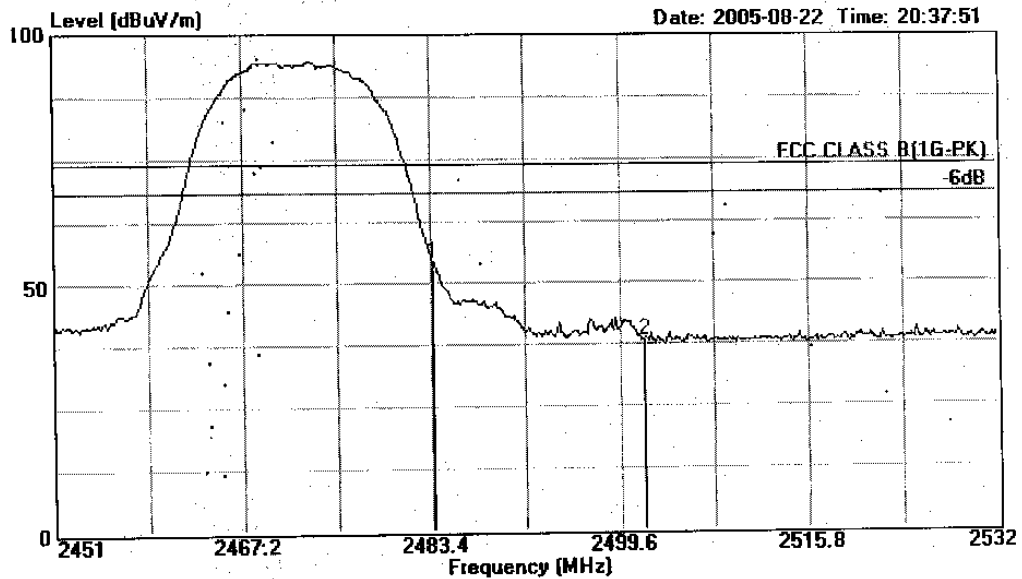


信華科技(深圳)有限公司

AUDIX Technology (Shenzhen) Co., Ltd.

No. 6, Ke Feng Road, Block 52,
Shenzhen Science & Industry Park
Nantou, Shenzhen, Guangdong, China
Tel:+86-755-26639496 Fax:+86-755-26632877

Data#: 43 File#: C:\EMI TEST DATA\E\Ecs.emi



Site : 1# Chamber
Condition : FCC CLASS B(1G-PK) 3m
EUT : Notebook PC
M/N : 331
Power : DC 19V Adaptor Input AC 120V/60Hz
Test Engineer : MARIO
Test Mode : burn test (TX)
Comment : Temp:23 Humi:54%
Memo : Channel 13 BAND EDGE

	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Probe Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	
1	2483.480	54.67	-19.33	74.00	54.67	0.00	0.00	Peak
2	2501.710	38.76	-35.24	74.00	38.76	0.00	0.00	Peak

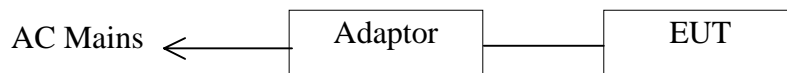
6. THE MAXIMUM PEAK OUTPUT POWER MEASUREMENT

6.1. Test Equipment

The following test equipment were used during the Emission Bandwidth Test :

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum	Agilent	E4407B	MY41440292	May 16,05	1 Year

6.2. Block Diagram of Test Setup



(EUT: Notebook PC)

6.3. Specification Limits (§15.247(b)-(1))

The Limits of maximum Peak Output Power for digital modulation in 2400-2483.5MHz is : 1Watt. (30dBm)

6.4. Operating Condition of EUT

6.4.1. Setup the EUT as shown in Section 5.2..

6.4.2. Let the EUT work in test mode (TX Channel 1/TX Channel 7/TX Channel 13) and test it.

6.5. Test Procedure

The transmitter output was connected to the power meter that indicated peak output power value automatically

6.6. Test Results

PASSED.

The testing data was attached in the next pages.

Date of Test : Aug. 22, 2005 Temperature : 23°C
 EUT : Notebook PC Humidity : 54%
 Model No. : 331 Test Mode : TX (Channel 1)
 Test Engineer: Seco

Frequency	Reading dBm	Cable Loss dB	Peak Power dBm	Limit dBm
2412.11	-9.8	0.2	-9.6	30.00

Date of Test : Aug. 22, 2005 Temperature : 23°C
 EUT : Notebook PC Humidity : 54%
 Model No. : 331 Test Mode : TX (Channel 7)
 Test Engineer: Seco

Frequency	Reading dBm	Cable Loss dB	Peak Power dBm	Limit dBm
2442.2MHz	-9.6	0.2	-9.4	30.00

Date of Test : Aug. 22, 2005 Temperature : 23°C
 EUT : Notebook PC Humidity : 54%
 Model No. : 331 Test Mode : TX (Channel 13)
 Test Engineer: Seci

Frequency	Reading dBm	Cable Loss dB	Peak Power dBm	Limit dBm
2472.1MHz	-9.4	0.2	-9.2	30.00

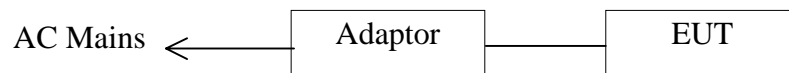
Reviewer : Wabe Wang

7. PEAK POWER DENSITY

7.1. Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
	EMC Analyzer	Aglient	E7405A	MY42000131	May 16, 05	1 Year

7.2. Block Diagram of Test Setup



(EUT: Notebook PC)

7.3. Specification Limits (§15.247(d))

The peak power spectral density shall not be greater than 8 dBm in any 3 kHz band
ANALYZER SETTINGS: RBW=3KHz, VBW>RBW

7.4. Operating Condition of EUT

7.4.1. Setup the EUT as shown in Section 6.2..

7.4.2. Let the EUT work in test mode (TX Channel 1/TX Channel 7/TX Channel 13)
and test it.

7.5. Test Procedure

The transmitter output was connected to the spectrum analyzer. The bandwidth of the fundamental frequency was measured with the spectrum analyzer using 3kHz RBW and 30kHz VBW, span 300kHz set sweep time=span/3kHz.

7.6. Test Results

PASSED.

The testing data was attached in the next pages.

Date of Test : Aug. 22, 2005 Temperature : 23°C
 EUT : Notebook PC Humidity : 58%
 Model No. : 331 Test Mode : TX (Channel 1)
 Test Engineer: Seco

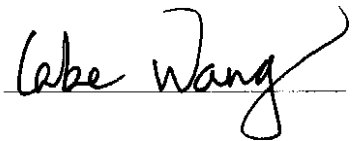
Frequency	Reading dBm	Limit dBm
2412.11MHz	-14.6	8

Date of Test : Aug. 22, 2005 Temperature : 23°C
 EUT : Notebook PC Humidity : 58%
 Model No. : 331 Test Mode : TX (Channel 7)
 Test Engineer: Seco

Frequency	Reading dBm	Limit dBm
2442.2MHz	-14.4	8

Date of Test : Aug. 22, 2005 Temperature : 23°C
 EUT : Notebook PC Humidity : 58%
 Model No. : 331 Test Mode : TX (Channel 13)
 Test Engineer: Seco

Frequency	Reading dBm	Limit dBm
2472.1MHz	-14.2	8

Reviewer : 

8. DEVIATION TO TEST SPECIFICATIONS

(None.)

APPENDIX I

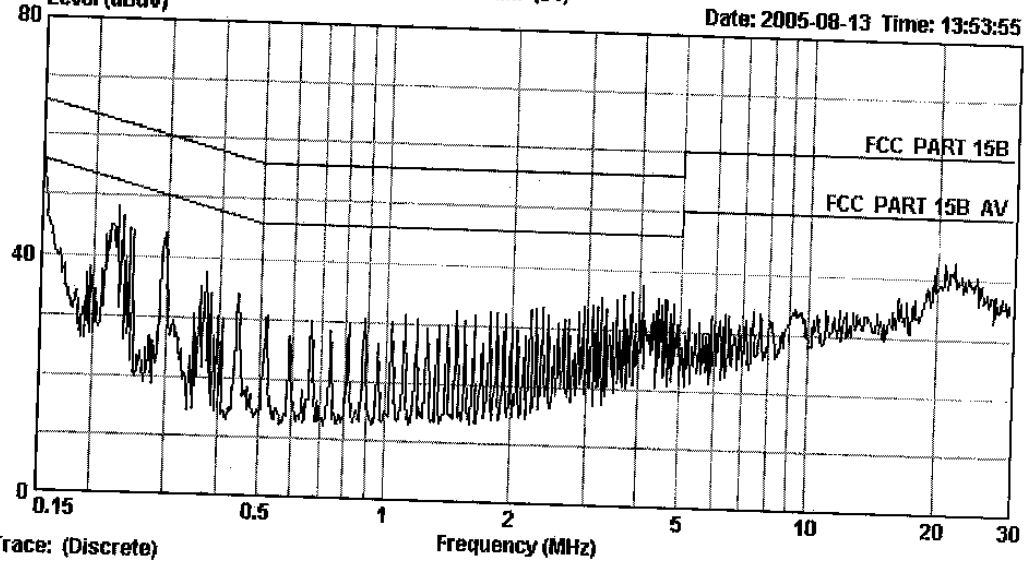


No.6 Ke Fang Road,Block 52
 Shang Zhen Science & Industry Park
 Nantou ShenZhen Guang Dong, China
 Tel:+86-0755-26639495
 Fax:+86-0755-26632877

Data: 11
 Level (dBuV)

File: D:\2005 Test Data\E\ecs.EMI (34)

Date: 2005-08-13 Time: 13:53:55



Trace: (Discrete)

Site :AUDIX NO.2 CONDUCTION
 Condition :FCC PART 15B KNW-407 VA
 EUT :Notebook PC
 M/N :331
 Power :DC 19V Adaptor input AC 120V/60Hz
 Test Mode :burn test (TK)
 Test Engineer:Qiyuang
 Comment :Temp:24.3'C Humi:56%
 Memo :
 : 800*600@60Hz

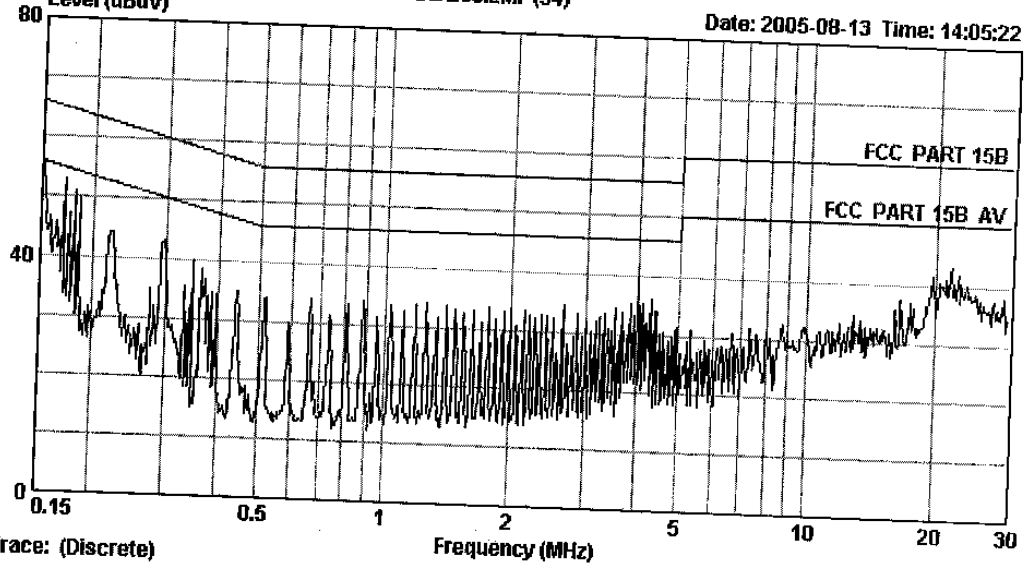


No.6 Ke Feng Road,Block 52
 Sheng Zhen Science & Industry Park
 Nantou ShenZhen Guang Dong, China
 Tel:+86-0755-26639495
 Fax:+86-0755-26632877

Data: 13
 Level (dBuV)

File: D:\2005 Test Data\IECs.EMI (34)

Date: 2005-08-13 Time: 14:05:22



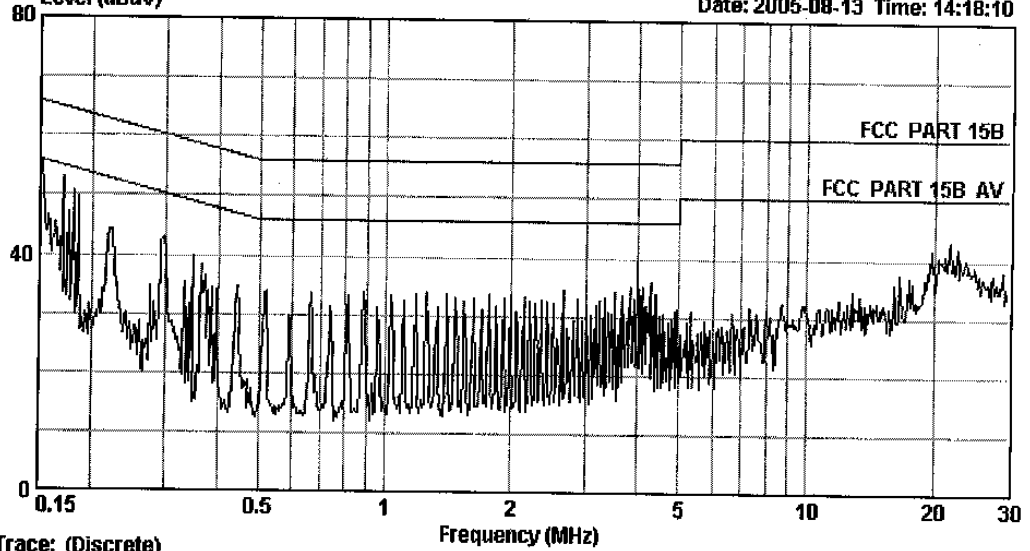
Trace: (Discrete)

Site : AUDIX NO.2 CONDUCTION
 Condition : FCC PART 15B KNW-407 VB
 EUT : Notebook PC
 M/N : 331
 Power : DC 19V Adaptor input AC 120V/60Hz
 Test Mode : burn test (TX)
 Test Engineer: Qiyuang
 Comment : Temp: 24.3'C Humi: 56%
 Memo :
 : 800*600@60Hz



No.6 Ka Feng Road,Block 52
 Sheng Zhen Science & Industry Park
 Nantou ShenZhen Guang Dong, China
 Tel:+86-0755-26639495
 Fax:+86-0755-26632877

Data: 16 Level (dBuV) File: D:\2005 Test Data\Eecs.EMI (34) Date: 2005-08-13 Time: 14:18:10



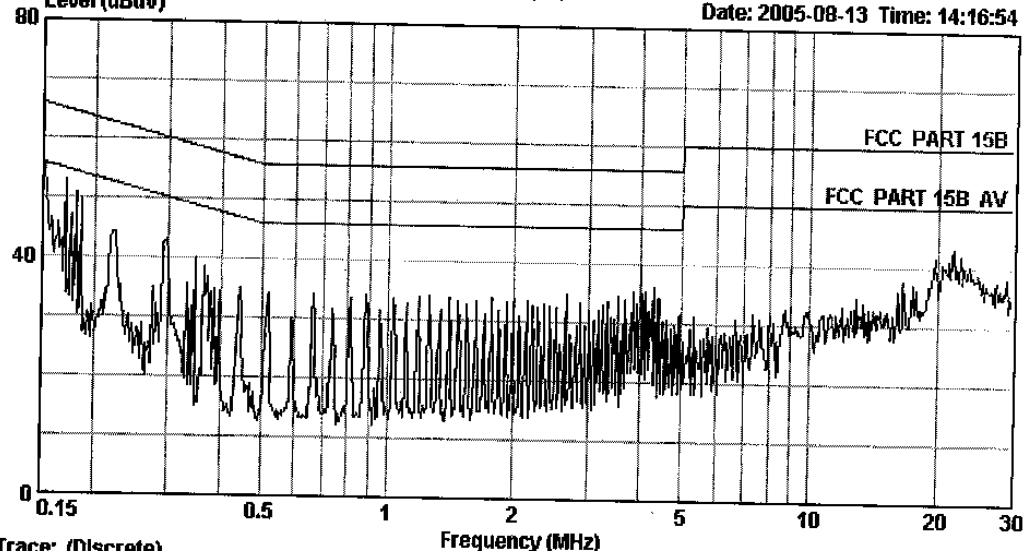
Trace: (Discrete)

Site :AUDIX NO.2 CONDUCTION
 Condition :FCC PART 15B KNW-407 VA
 EUT :Notebook PC
 M/N :331
 Power :DC 19V Rdaptor input AC 120V/60Hz
 Test Mode :burn test (TX)
 Test Engineer:Qiyuang
 Comment :Temp:24.3'C Humi:56%
 Memo :
 :1024*768@60Hz



No.6 Ka Feng Road,Block 52
 Shang Zhen Science & Industry Park
 Nantou ShenZhen Guang Dong, China
 Tel:+86-0755-26639495
 Fax:+86-0755-26632877

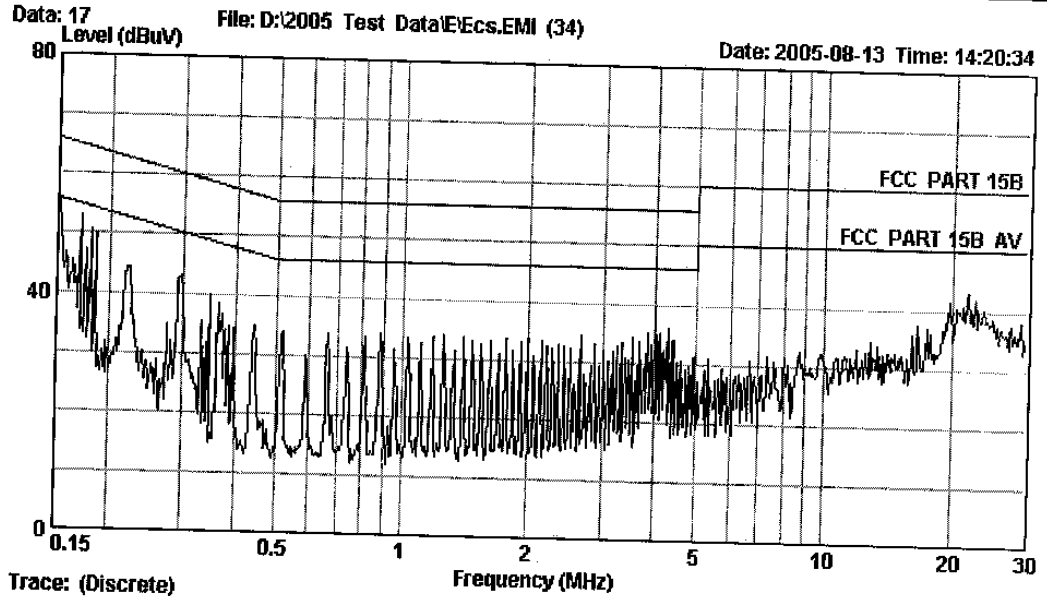
Data: 15 Level (dBuV) File: D:\2005 Test Data\EEcs.EMI (34) Date: 2005-08-13 Time: 14:16:54



Trace: (Discrete)
 Site : RUDIX NO.2 CONDUCTION
 Condition : FCC PART 15B KNW-407 VB
 EUT : Notebook PC
 M/N : 931
 Power : DC 19V Adaptor input AC 120V/60Hz
 Test Mode : burn test (TX)
 Test Engineer: Qiyuang
 Comment : Temp: 24.3°C Humi: 56%
 Memo :
 : 1024*768@60Hz



No.6 Ke Feng Road,Block 52
 Shang Zhen Science & Industry Park
 Nantou ShenZhen Guang Dong, China
 Tel:+86-0755-26639495
 Fax:+86-0755-26632877



Trace: (Discrete)

Site : AUDIX NO.2 CONDUCTION
 Condition : FCC PART 15B KNW-407 VA
 EUT : Notebook PC
 M/N : 331
 Power : DC 19V Adaptor input AC 120V/60Hz
 Test Mode : burn test (TX)
 Test Engineer: Qiyuang
 Comment : Temp: 24.3'C Humi: 56%
 Memo :
 : 1280*800@60Hz

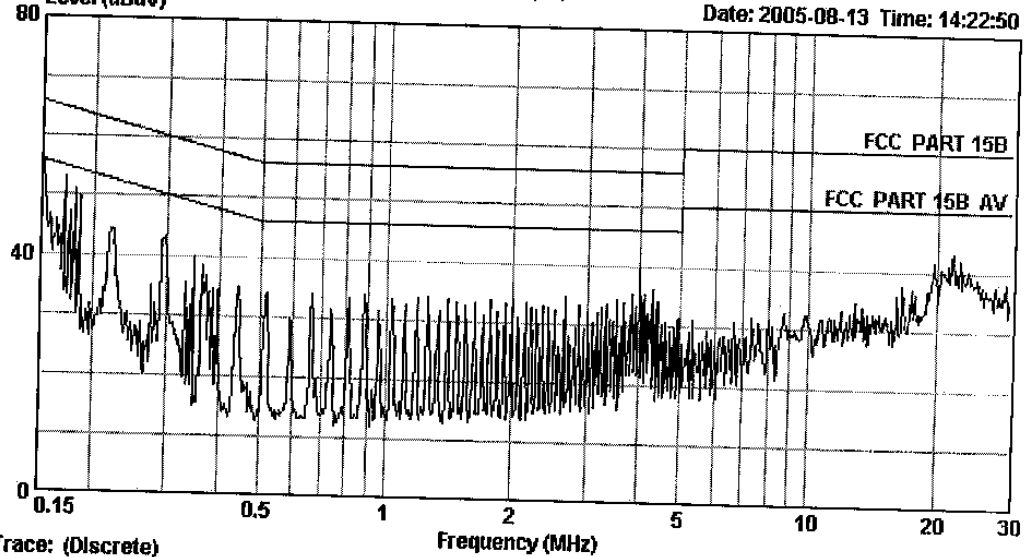


No.6 Ke Feng Road,Block 52
 Shang Zhen Science & Industry Park
 Nantou ShenZhen Guang Dong, China
 Tel:+86-0755-26639495
 Fax:+86-0755-26632877

Data: 18
 Level (dBuV)

File: D:\2005 Test Data\EEcs.EMI (34)

Date: 2005-08-13 Time: 14:22:50



Trace: (Discrete)

Site :AUDIX NO.2 CONDUCTION
 Condition :FCC PART 15B KNW-407 VB
 EUT :Notebook PC
 M/N :331
 Power :DC 19V Adaptor input AC 120V/60Hz
 Test Mode :burn test (TX)
 Test Engineer:Qiyuang
 Comment :Temp:24.3'C Humi:56%
 Memo :
 :1280*800@60Hz

APPENDIX II



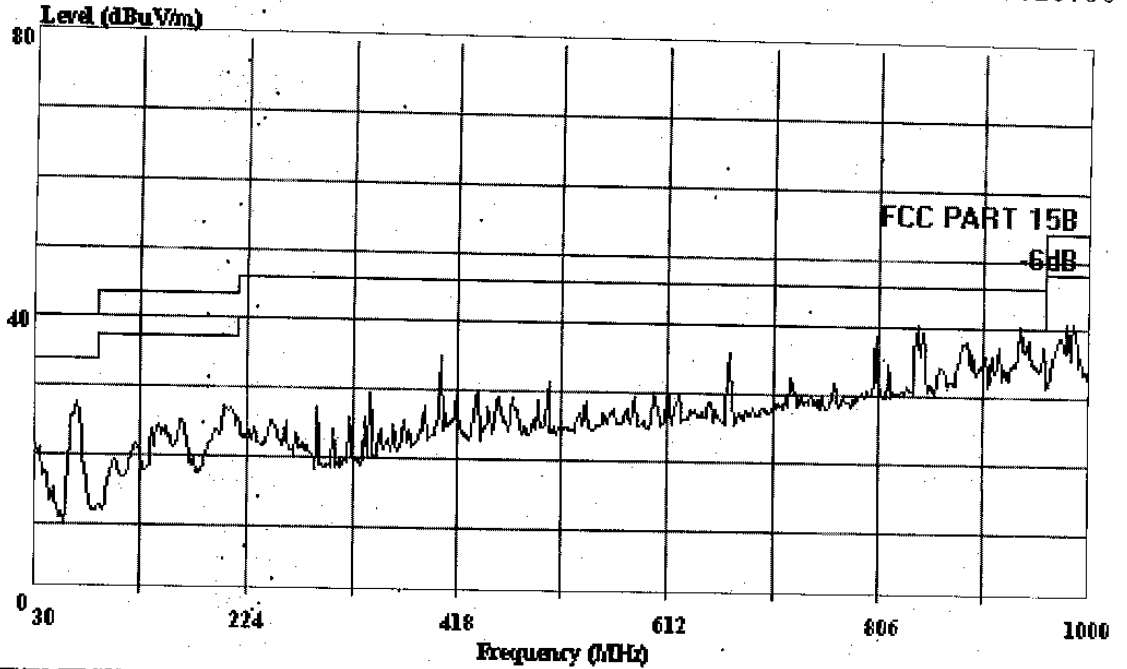
AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.

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

Data#: 23

File#: ECS.EMI

Date: 2005-08-09 Time: 09:20:06



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

Trace:

Ref Trace:

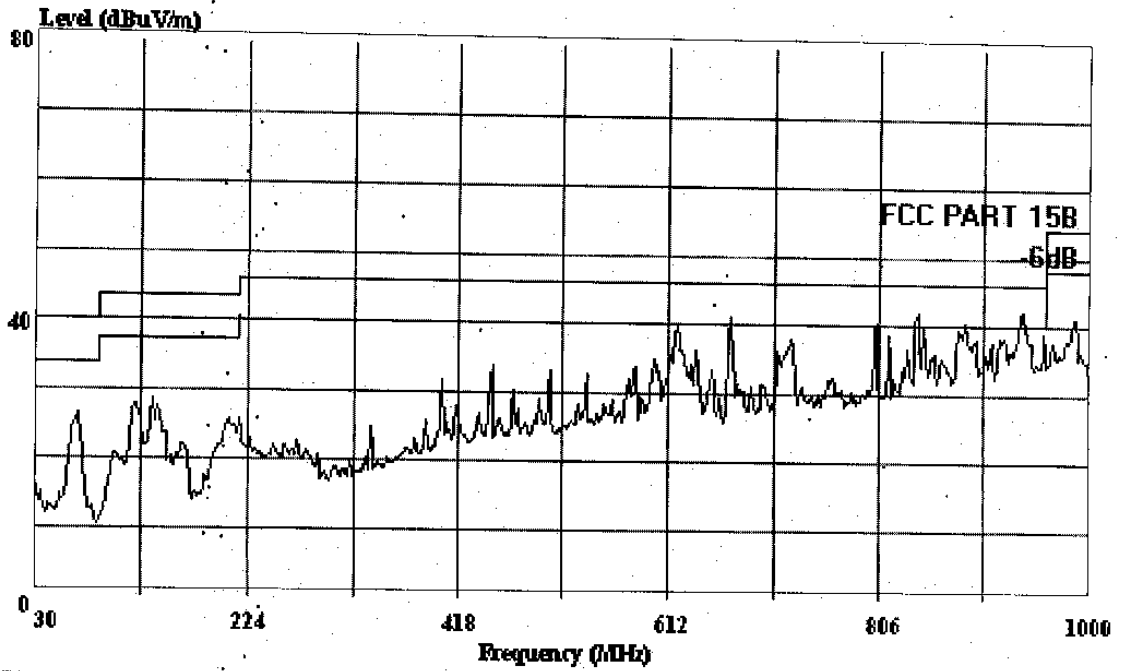
Condition: FCC PART 15B 3m 2598FACTOR HORIZONTAL
 EUT : Notebook PC
 M/N : 331
 Power : DC 19V Adaptor Input AC 120V/60Hz
 Test Mode : Burn test (TX)
 Test Enginee: Victor
 Comment : Temp:23.8'C Humi:62%
 Memo : 800*600 60Hz



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.

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

Data#: 25 File#: ECS.EMI Date: 2005-08-09 Time: 09:23:22



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

Trace:

Ref Trace:

Condition: FCC PART 15B 3m 2598FACTOR VERTICAL
 EUT : Notebook PC
 M/N : 331
 Power : DC 19V Adaptor Input AC 120V/60Hz
 Test Mode : Burn test (TX)
 Test Enginee: Victor
 Comment : Temp:23.8'C Humi:62%
 Memo : 800*600 60Hz

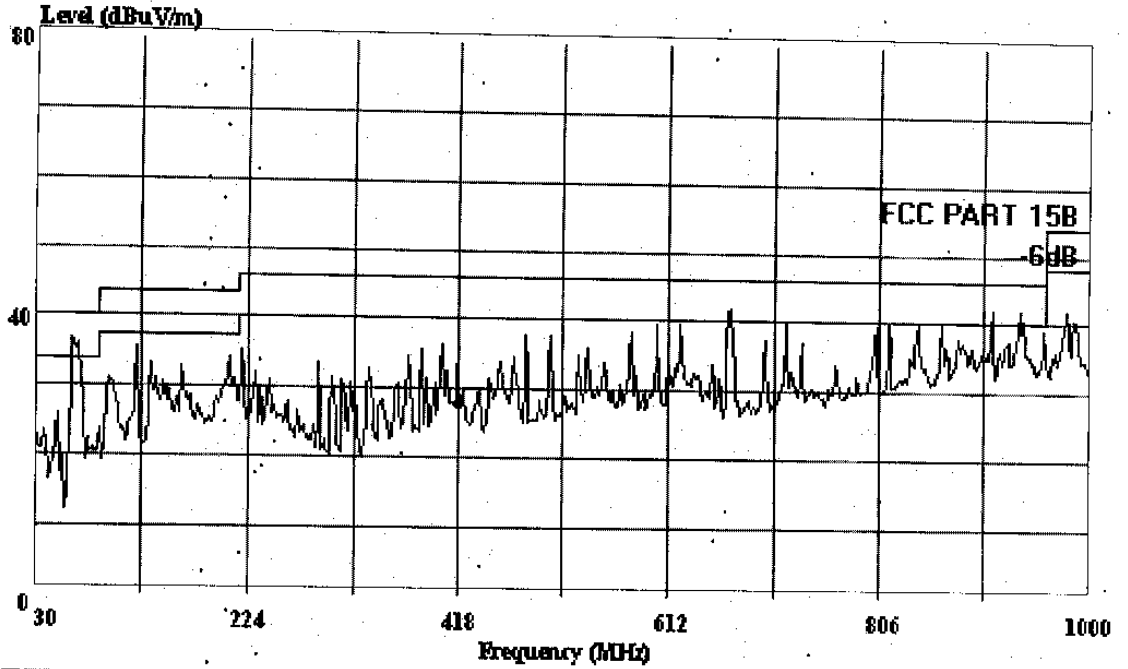


AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.

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

Data#: 30 File#: ECS.EMI

Date: 2005-08-09 Time: 10:07:08



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

Trace:

Ref Trace:

Condition: FCC PART 15B 3m 2598FACTOR HORIZONTAL
 EUT : Notebook PC
 M/N : 331
 Power : DC 19V Adaptor Input AC 120V/60Hz
 Test Mode : Burp test (TX)
 Test Enginee: Victor
 Comment : Temp:23.8'C Humi:62%
 Memo : 1024*768 60Hz

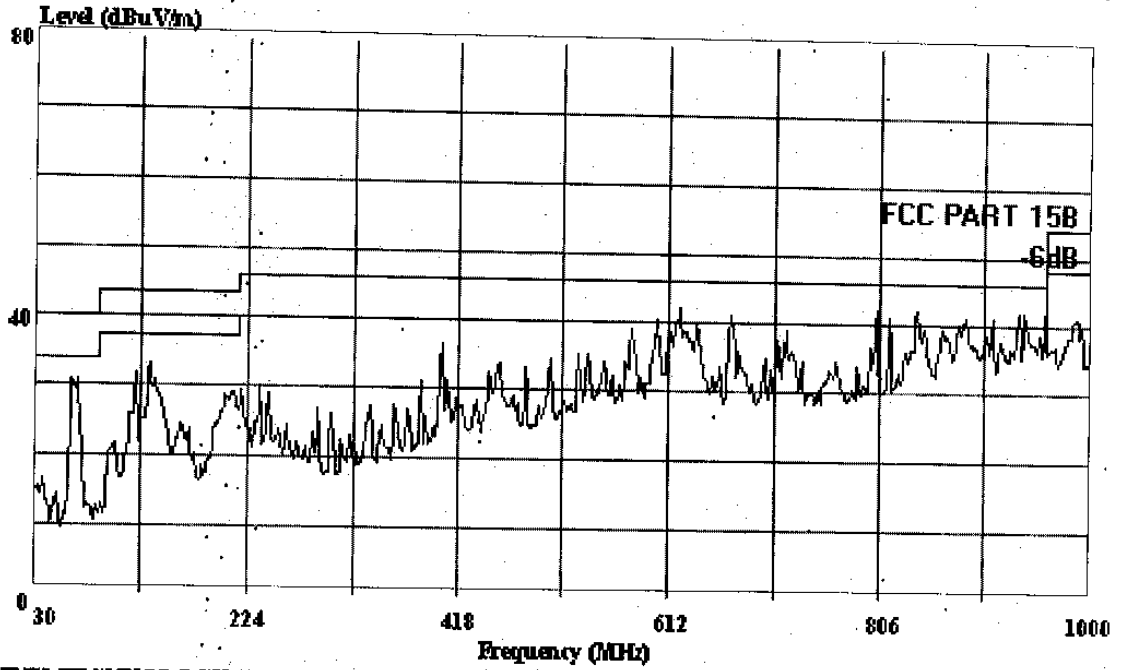


AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.

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

Data#: 27 File#: ECS.EMI

Date: 2005-08-09 Time: 09:57:40



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

Trace:

Ref Trace:

Condition: FCC PART 15B 3m 2598FACTOR VERTICAL
 EUT : Notebook PC
 M/N : 331
 Power : DC 19V Adaptor Input AC 120V/60Hz
 Test Mode : Burn test (TX)
 Test Enginee: Victor
 Comment : Tempo:23.8'C Humi:62%
 Memo : 1024*768 60Hz

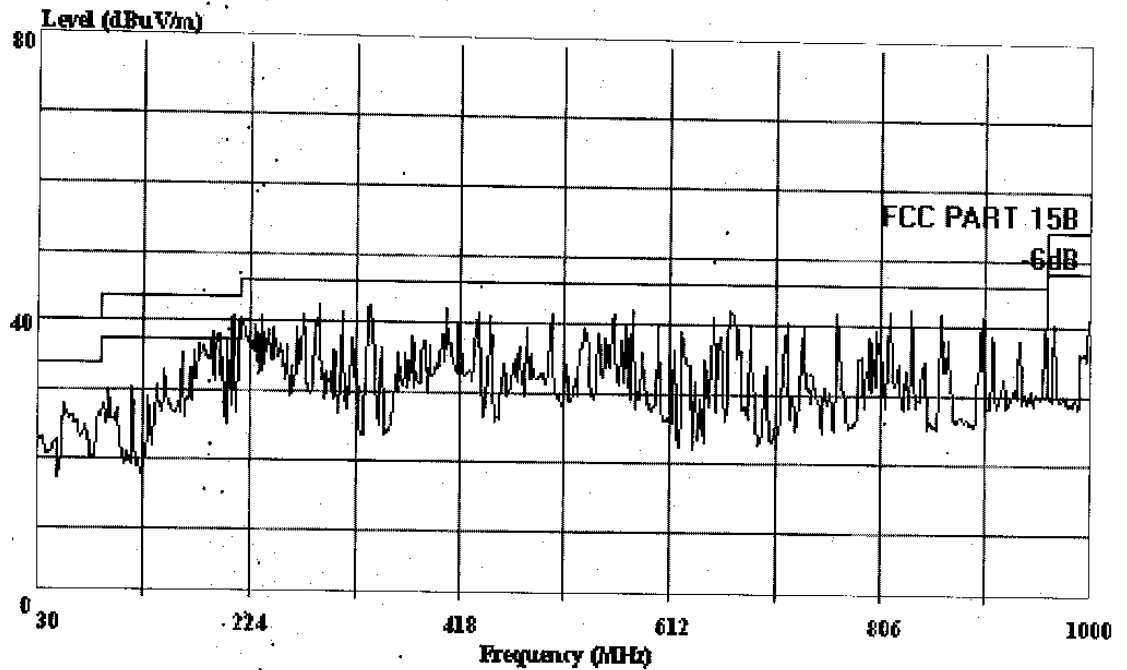
AUDIX[®]

AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.

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

Data#: 35 File#: ECS.EMI

Date: 2005-08-23 Time: 01:26:33



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

Trace:

Ref Trace:

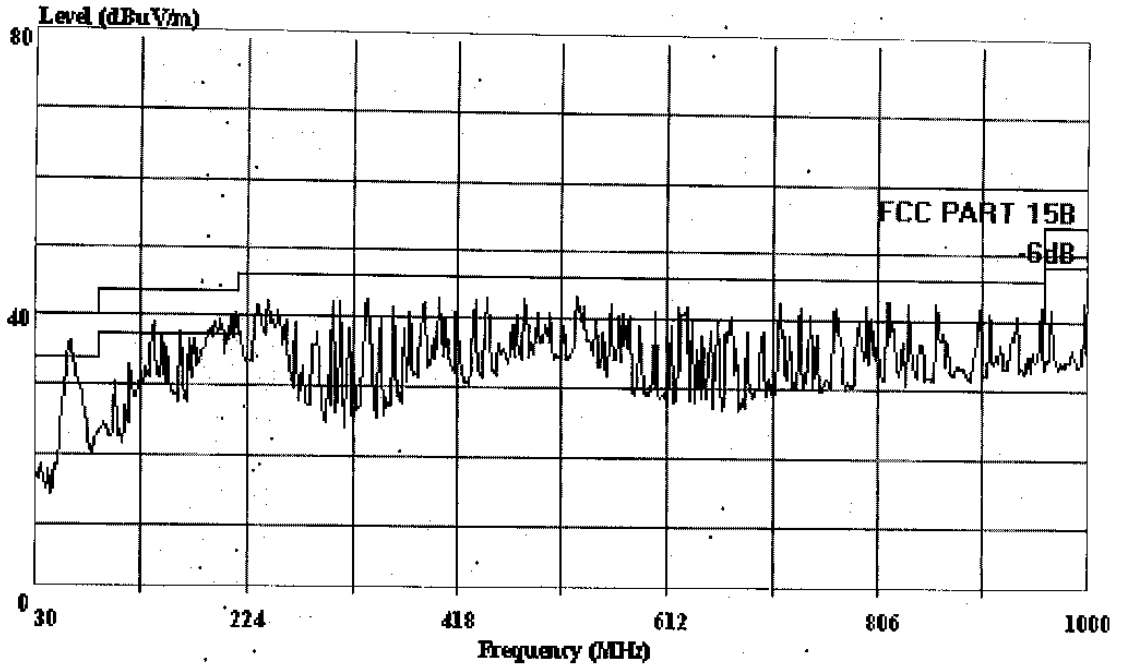
Condition: FCC-PART 15B 3m 2598FACTOR HORIZONTAL
 EUT : Notebook PC
 M/N : 331
 Power : DC 1.9V Adaptor Input AC 120V/60Hz
 Test Mode : Burn test (TX)
 Test Enginee: Victor
 Comment : Temp:23.8'C Humi:62%
 Memo : 1280*800 60Hz



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.

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

Data#: 33 File#: ECS.EMI Date: 2005-08-23 Time: 01:13:06



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

Trace:

Ref Trace:

Condition: FCC PART 15B 3m 2598FACTOR VERTICAL
 EUT : Notebook PC
 M/N : 331
 Power : DC 19V Adaptor Input AC 120V/60Hz
 Test Mode : Burn test (TX)
 Test Engineer: Victor
 Comment : Temp:23.8'C Humi:62%
 Memo : 1280*800 60Hz

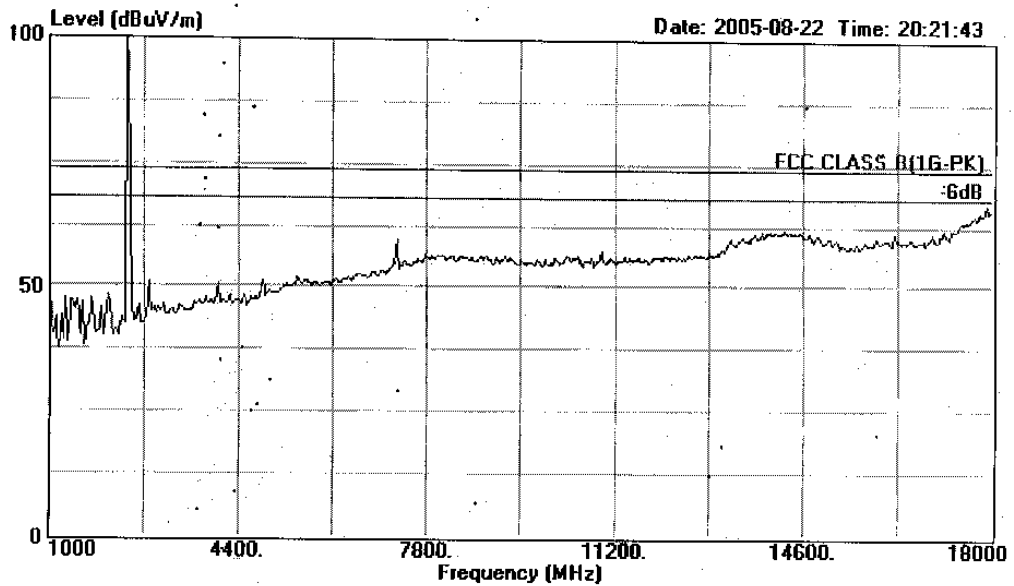


信華科技(深圳)有限公司

AUDIX Technology (Shenzhen) Co., Ltd.

No. 6, Ke Feng Road, Block 52,
Shenzhen Science & Industry Park
Nantou, Shenzhen, Guangdong, China
Tel:+86-755-26639496 Fax:+86-755-26632877

Data#: 37 File#: C:\EMI TEST DATA\E\Ecs.emi



Site : 1# Chamber
Condition : FCC CLASS B(1G-PK) 3m 3115 FACTOR HORIZONTAL
EUT : Notebook PC
M/N : 331
Power : DC 19V Adaptor Input AC 120V/60Hz
Test Engineer : MARIO
Test Mode : burn test (TX)
Comment : Temp:23 Humi:54%
Memo : Channel 1

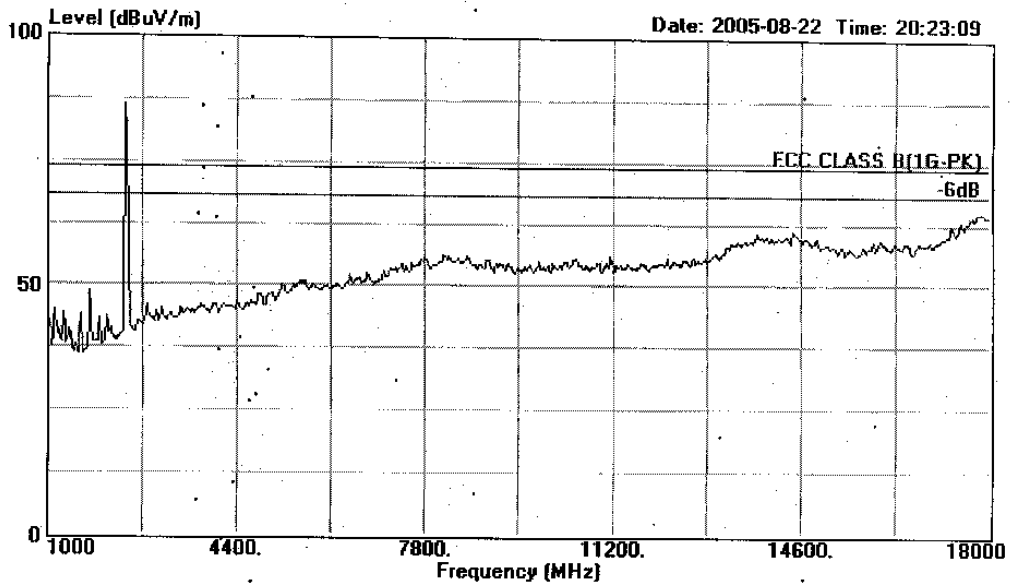


信華科技(深圳)有限公司

AUDIX Technology (Shenzhen) Co., Ltd.

No. 6, Ke Feng Road, Block 52,
Shenzhen Science & Industry Park
Nantou, Shenzhen, Guangdong, China
Tel:+86-755-26639496 Fax:+86-755-26632877

Data#: 39 File#: C:\EMI TEST DATA\E\Ecs.emi



Site : 1# Chamber
Condition : FCC CLASS B(1G-PK) 3m 3115 FACTOR VERTICAL
EUT : Notebook PC
M/N : 331
Power : DC 19V Adaptor Input AC 120V/60Hz
Test Engineer : MARIO
Test Mode : burn test (TX)
Comment : Temp:23 Humi:54%
Memo : Channel 1
:
:

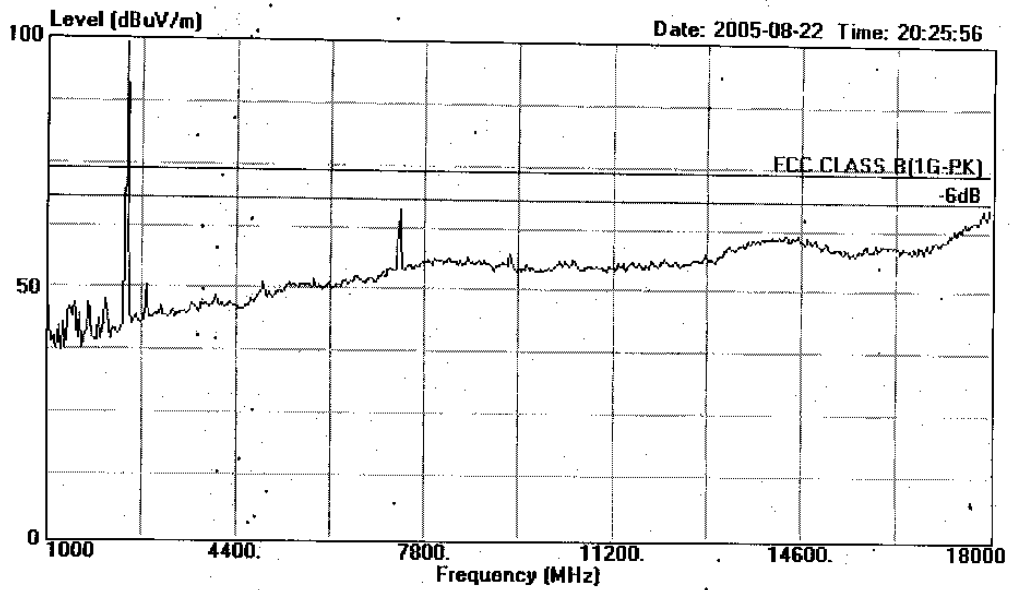


信華科技(深圳)有限公司

AUDIX Technology (Shenzhen) Co., Ltd.

No. 6, Ke Feng Road, Block 52,
 Shenzhen Science & Industry Park
 Nantou, Shenzhen, Guangdong, China
 Tel:+86-755-26639496 Fax:+86-755-26632677

Data#: 41 File#: C:\EMI TEST DATA\E\Ecs.emi



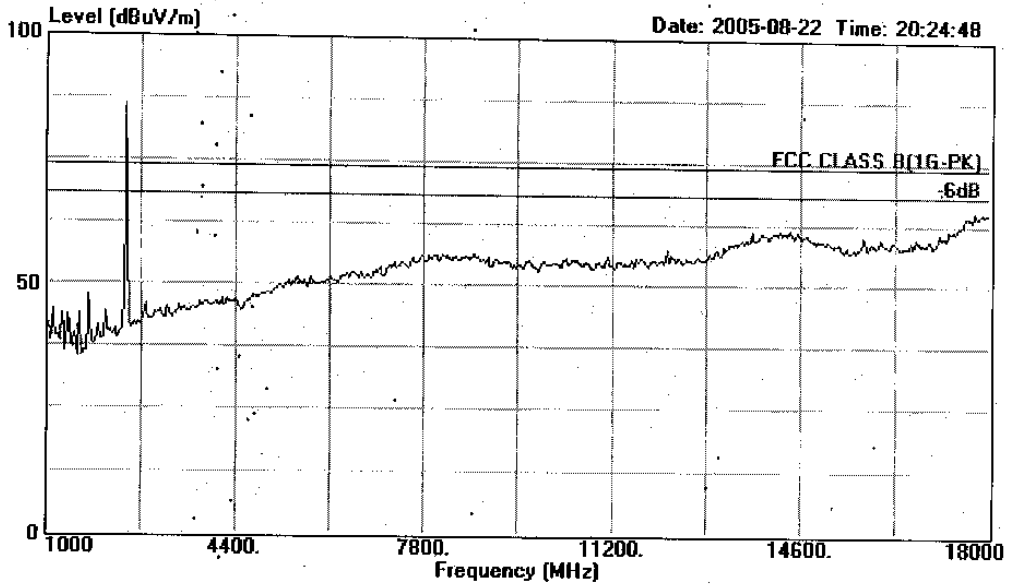
Site : 1# Chamber
 Condition : FCC CLASS B(1G-PK) 3m 3115 FACTOR HORIZONTAL
 EUT : Notebook PC
 M/N : 331
 Power : DC 19V Adaptor Input AC 120V/60Hz
 Test Engineer : MARIO
 Test Mode : burn test (TX)
 Comment : Temp:23 Humi:54%
 Memo : Channel 7



信華科技(深圳)有限公司
 AUDIX Technology (Shenzhen) Co., Ltd.

No. 6, Ke Feng Road, Block 52,
 Shenzhen Science & Industry Park
 Nantou, Shenzhen, Guangdong, China
 Tel:+86-755-26639496 Fax:+86-755-26632877

Data#: 40 File#: C:\EMI TEST DATA\E\Ecs.emi



Site : 1# Chamber
 Condition : FCC CLASS B (1G-PK) 3m 3115 FACTOR VERTICAL
 EUT : Notebook PC
 M/N : 331
 Power : DC 19V Adaptor Input AC 120V/60Hz
 Test Engineer : MARIO
 Test Mode : burn test (TX)
 Comment : Temp:23 Humi:54%
 Memo : Channel 7
 :
 :

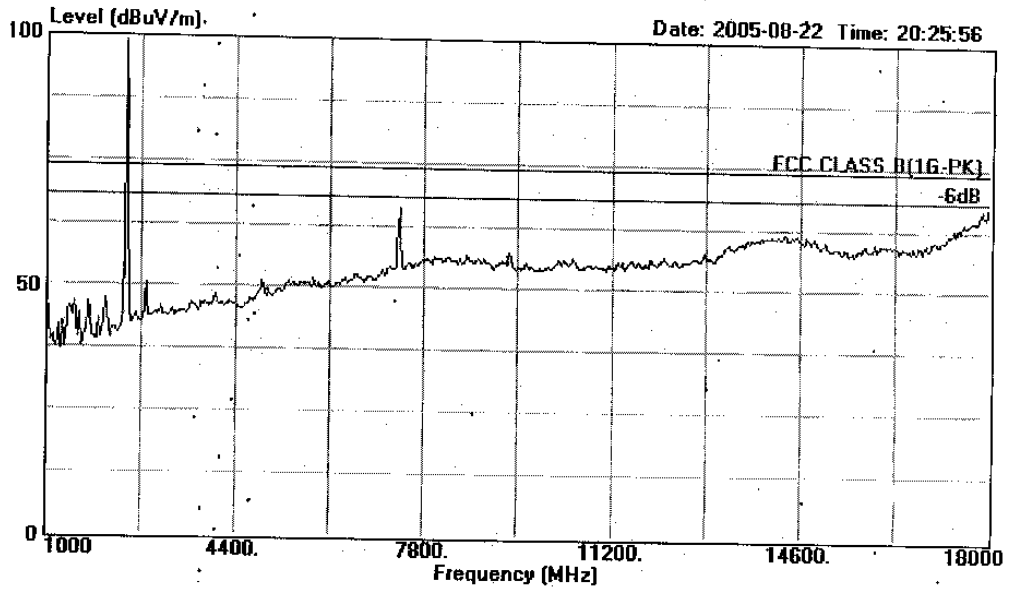


信華科技(深圳)有限公司

AUDIX Technology (Shenzhen) Co., Ltd.

No. 6, Ke Feng Road, Block 52,
Shenzhen Science & Industry Park
Nantou, Shenzhen, Guangdong, China
Tel:+86-755-26639496 Fax:+86-755-26632877

Data#: 52 File#: C:\EMI TEST DATA\E\Ecs.emi



Site : 1# Chamber
Condition : FCC CLASS B (16-PK) 3m 3115 FACTOR HORIZONTAL
EUT : Notebook PC
M/N : 331
Power : DC 19V Adaptor Input AC 120V/60Hz
Test Engineer : MARIO
Test Mode : burn test (TX)
Comment : Temp:23 Humi:54%
Memo : Channel 13

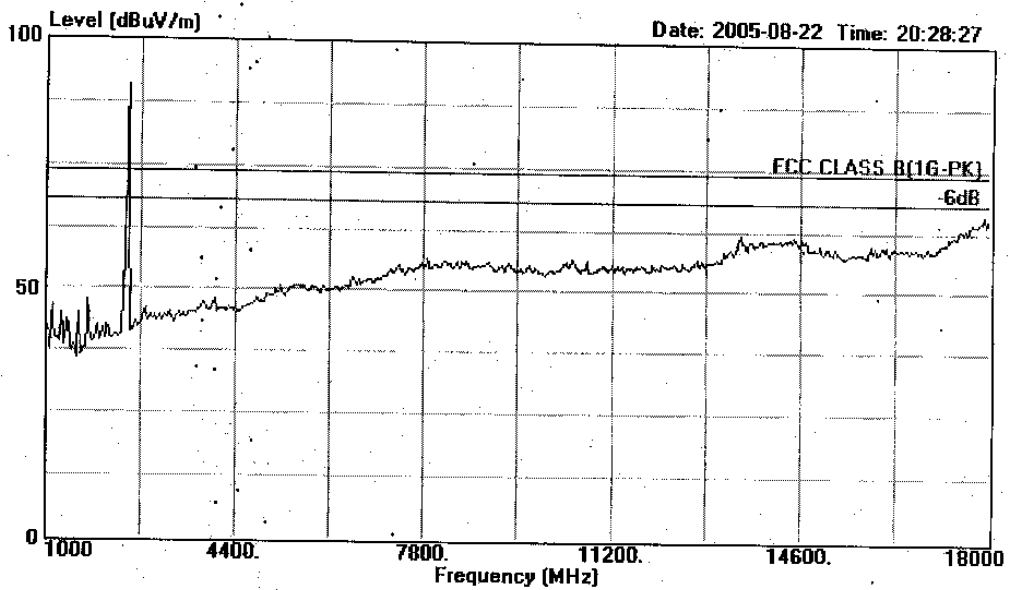


信華科技(深圳)有限公司

AUDIX Technology (Shenzhen) Co., Ltd.

No. 6, Ke Feng Road, Block 52,
Shenzhen Science & Industry Park
Nantou, Shenzhen, Guangdong, China
Tel:+86-755-26639496 Fax:+86-755-26632877

Data#: 53 File#: C:\EMI TEST DATA\E\Ecs.emi



Site : 1# Chamber
Condition : FCC CLASS B(1G-PK) 3m 3115 FACTOR VERTICAL
EUT : Notebook PC
M/N : 331
Power : DC 19V Adaptor Input AC 120V/60Hz
Test Engineer : MARIO
Test Mode : burn test (TX)
Comment : Temp:23' Humi:54%
Memo : Channel 13

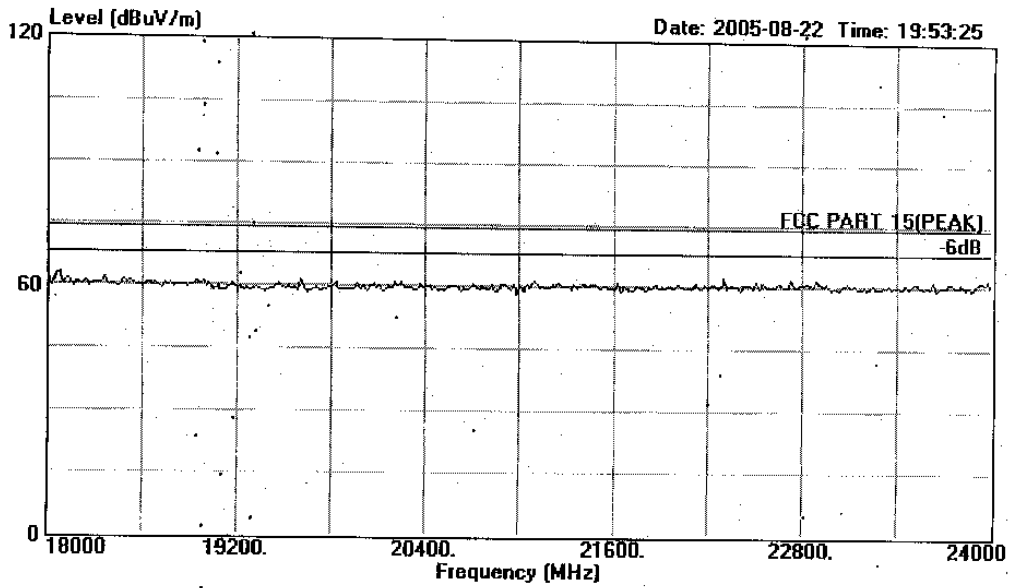


信華科技(深圳)有限公司

AUDIX Technology (Shenzhen) Co., Ltd.

No. 6, Ke Feng Road, Block 52,
 Shenzhen Science & Industry Park
 Nantou, Shenzhen, Guangdong, China
 Tel:+86-755-26639496 Fax:+86-755-26632877

Data#: 46 File#: C:\EMI TEST DATA\E\Ecs.emi



Site : 1# Chamber
 Condition : FCC PART 15(PEAK) 3m 3115FACTOR HORIZONTAL
 EUT : Notebook PC
 M/N : 331
 Power : DC 19V Adaptor Input AC 120V/60Hz
 Test Engineer : MARIO
 Test Mode : burn test (TX)
 Comment : Temp:23 Humi:54%
 Memo : Channel 1

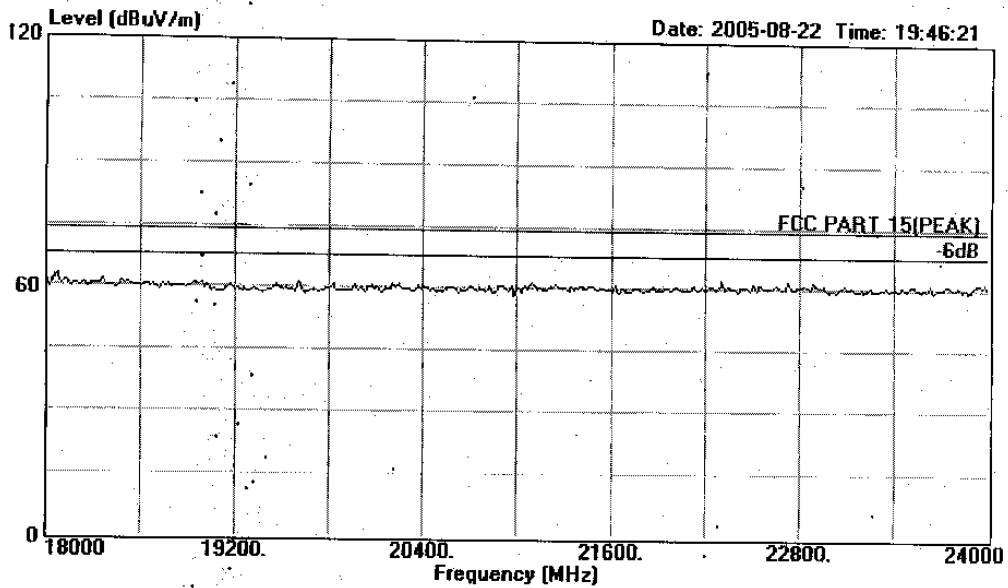


信華科技(深圳)有限公司

AUDIX Technology (Shenzhen) Co., Ltd.

No. 6, Ke Feng Road, Block 52,
Shenzhen Science & Industry Park
Nantou, Shenzhen, Guangdong, China
Tel:+86-755-26639496 Fax:+86-755-26632877

Data#: 45 File#: C:\EMI TEST DATA\E\Ecs.emi



Site : 1# Chamber
 Condition : FCC PART 15(PEAK) 3m 3115FACTOR VERTICAL
 EUT : Notebook PC
 M/N : 331
 Power : DC 19V Adaptor Input AC 120V/60Hz
 Test Engineer : MARIO
 Test Mode : burn test (TX)
 Comment : Temp:23 Humi:54%
 Memo : Channel 1

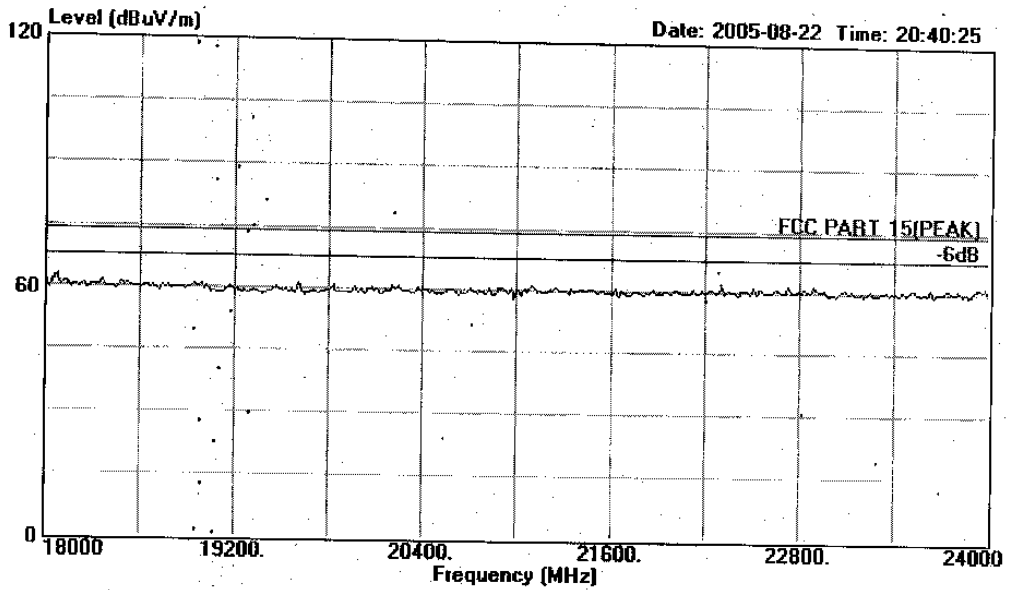


信華科技(深圳)有限公司

AUDIX Technology (Shenzhen) Co., Ltd.

No. 6, Ke Feng Road, Block 52,
 Shenzhen Science & Industry Park
 Nantou, Shenzhen, Guangdong, China
 Tel:+86-755-26639496 Fax:+86-755-26632877

Data#: 48 File#: C:\EMI TEST DATA\E\Ecs.emi



Site : 1# Chamber
 Condition : FCC PART 15(PEAK) 3m 3115FACTOR HORIZONTAL
 EUT : Notebook PC
 M/N : 331
 Power : DC 19V Adaptor Input AC 120V/60Hz
 Test Engineer : MARIO
 Test Mode : burn test (TX)
 Comment : Temp:23 Humi:54%
 Memo : Channel 7

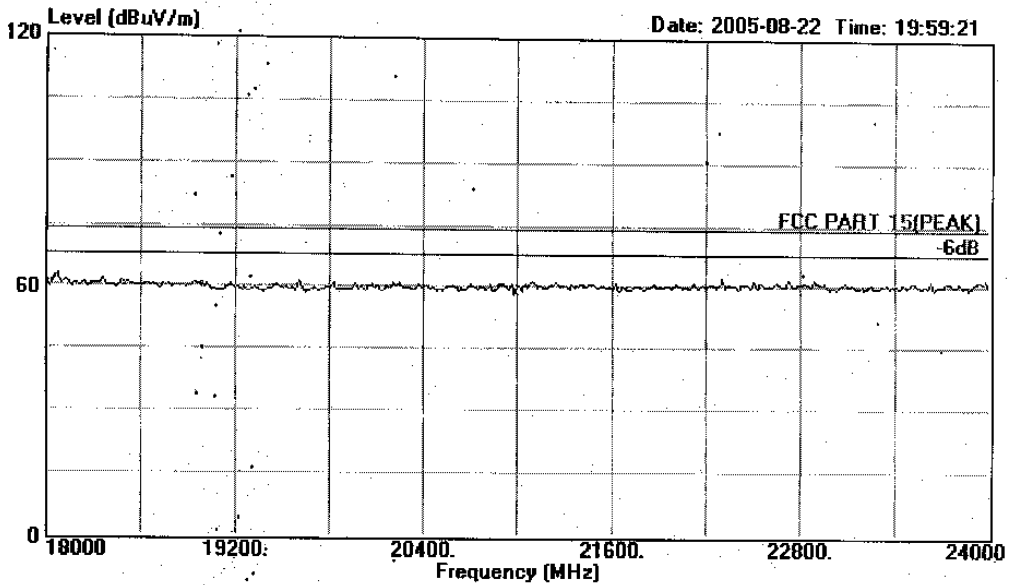


信華科技(深圳)有限公司

AUDIX Technology (Shenzhen) Co., Ltd.

No. 6, Ke Feng Road, Block 52,
Shenzhen Science & Industry Park
Nantou, Shenzhen, Guangdong, China
Tel:+86-755-26639496 Fax:+86-755-26632877

Data#: 47 File#: C:\EMI TEST DATA\E\Ecs.emi



Site : 1# Chamber
 Condition : FCC PART 15(PEAK) 3m 3115FACTOR VERTICAL
 EUT : Notebook PC
 M/N : 331
 Power : DC 19V Adaptor Input AC 120V/60Hz
 Test Engineer : MARIO
 Test Mode : burn test (TX)
 Comment : Temp:23 Humi:54%
 Memo : Channel 7
 . :
 . :
 . :

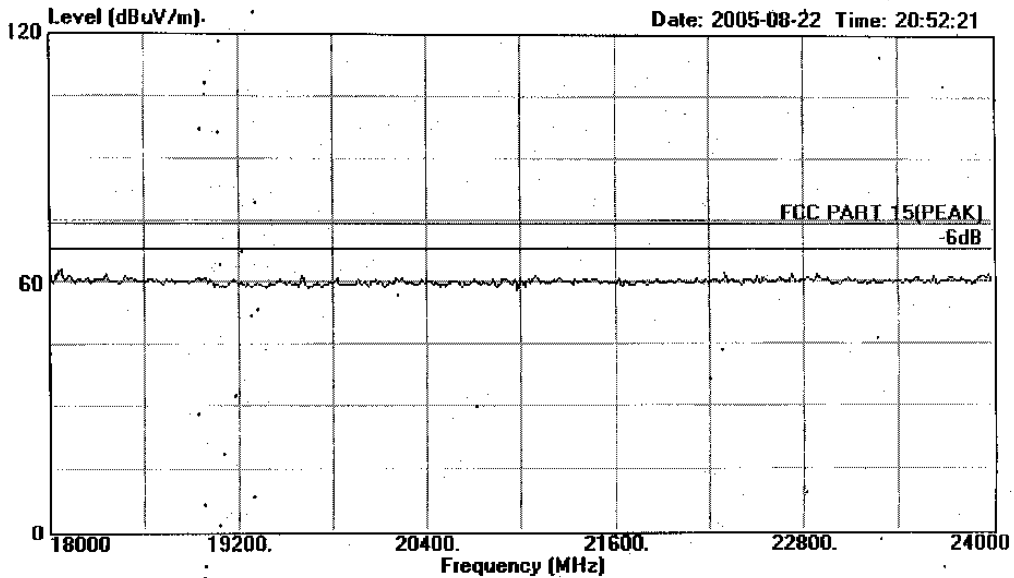


信華科技(深圳)有限公司

AUDIX Technology (Shenzhen) Co., Ltd.

No. 6, Ke Feng Road, Block 52,
 Shenzhen Science & Industry Park
 Nantou, Shenzhen, Guangdong, China
 Tel:+86-755-26639496 Fax:+86-755-26632877

Data#: 50 File#: C:\EMI TEST DATA\E\Ecs.emi



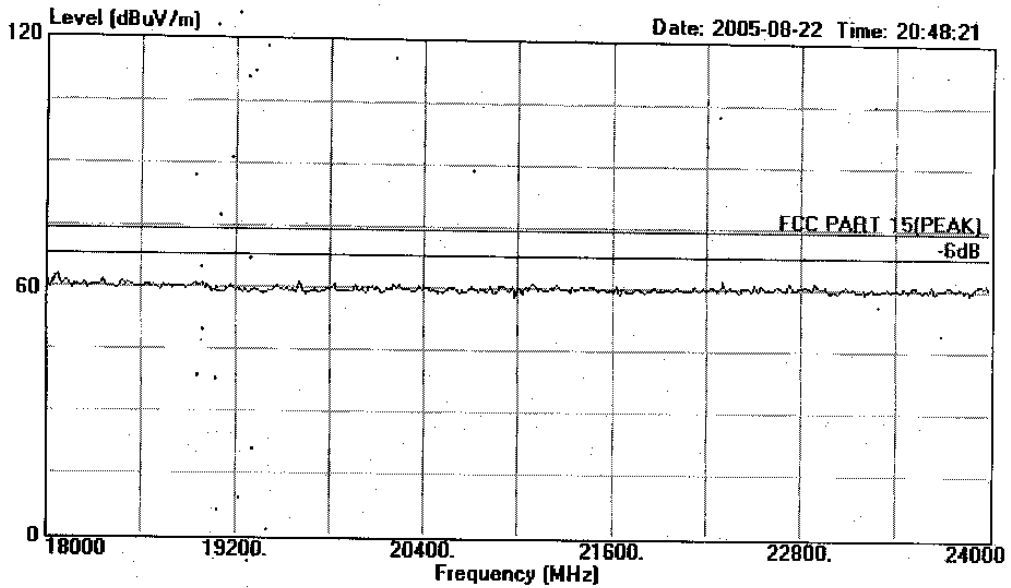
Site : 1# Chamber
 Condition : FCC PART 15(PEAK) 3m 3115FACTOR HORIZONTAL
 EUT : Notebook PC
 M/N : 331
 Power : DC 19V Adaptor Input AC 120V/60Hz
 Test Engineer : MARIO
 Test Mode : burn test (TX)
 Comment : Temp:23' Humi:54%
 Memo : Channel 13
 .
 .
 .



信華科技(深圳)有限公司
 AUDIX Technology (Shenzhen) Co., Ltd.

No. 6, Ke Feng Road, Block 52,
 Shenzhen Science & Industry Park
 Nantou, Shenzhen, Guangdong, China
 Tel:+86-755-26639496 Fax:+86-755-26632877

Data#: 49 File#: C:\EMI TEST DATA\E\Ecs.emi



Site : 1# Chamber
 Condition : FCC PART 15(PEAK) 3m 3115FACTOR VERTICAL
 EUT : Notebook PC
 M/N : 331
 Power : DC 19V Adaptor Input AC 120V/60Hz
 Test Engineer : MARIO
 Test Mode : burn test (TX)
 Comment : Temp:23 Humi:54%
 Memo : Channel 13
 . :
 . :