

APPLICATION FOR CERTIFICATION

On Behalf of
Emperor Corp.(HK) Ltd.

2.4GHz Wireless Camera

Model Number: CWT-5800AM(Emperor)/TVS305(GPX)/
JV-AC37A(JWIN)

Prepared for : Emperor Corp.(HK) Ltd.
RM1208, 2F., Winning Commercial Bldg., 46-48
Hillwood Road, T.S.T. Kowloon, H.K.

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-F03095
Date of Test : Apr.23~29, 2003
Date of Report : May.03, 2003

TABLE OF CONTENTS

Description	Page
Test Report Declaration	
1. GENERAL INFORMATION	1-1
1.1. Description of Device (EUT)	1-1
1.2. Test Facility	1-2
1.3. Test Uncertainty	1-2
2. POWER LINE CONDUCTED EMISSION TEST	2-1
2.1. Test Equipment	2-1
2.2. Block Diagram of Test Setup	2-1
2.3. Power Line Conducted Emission Limit	2-1
2.4. EUT Configuration 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	2-2
3. RADIATED EMISSION TEST	3-3
3.1. Test Equipment	3-3
3.2. Block Diagram of Test Setup	3-3
3.3. Radiated Emission Limit (Class B)	3-4
3.4. EUT Configuration on Test	3-4
3.5. Operating Condition of EUT	3-5
3.6. Test Procedure	3-5
3.7. Radiated Emission Test Results	3-6
4. PHOTOGRAPH	4-1
4.1. Photos of Power Line Conducted Emission Test	4-1
4.2. Photos of Radiated Emission Test (In Anechoic Chamber)	4-2
APPENDIX I	(9 pages)
APPENDIX II	(17 pages)

1. GENERAL INFORMATION

1.1. Description of Device (EUT)

Description	:	2.4GHz Wireless Camera This report is about transmitter FCC ID and the receiver FCC DOC report please refer to AUDIX Number ACS-F03093.
Model Number	:	CWT-5800AM(Emperor)/TVS305(GPX)/JV-AC37A(JWIN)
Applicant	:	Emperor Corp.(HK) Ltd. RM1208, 2F., Winning Commercial Bldg., 46-48 Hillwood Road, T.S.T. Kowloon, H.K.
Manufacturer	:	Zhu Hai Ken High Electronics Ltd. 3/F., No.8, Zhou Shan Rd., North Industrial Zone Of Xiang Zhou, Zhu Hai City, G.D. China
Power Adapter	:	M/N:RGD-4812000 Manufacture: Made In China Cable:Unshielded, 2.9m
Date of Test	:	Apr.23~29, 2003

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	=	$\pm 2.66\text{dB}$
Radiated Emission Uncertainty	=	$\pm 4.26\text{dB}$

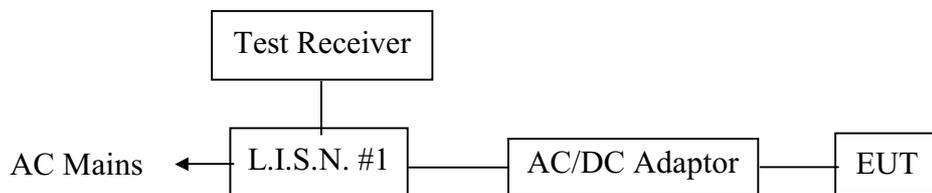
2. POWER LINE CONDUCTED EMISSION TEST

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	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	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



(EUT: 2.4GHz Wireless Camera)

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. 2.4GHz Wireless Camera (EUT)

Model Number : CWT-5800AM(Emperor)
Serial Number : F2003050302
Manufacturer : Zhu Hai Ken High Electronics Ltd.

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 Channel 1/TX Channel 2/TX Channel 3/TX Channel 4) 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 from 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 bandwidth of the VBW is set at 30KHz.

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.

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
12.	Spectrum	Agilent	E4407B	MY41440292	Mar.28, 03	1 Year
13.	Amp	HP	8449B	3008A00863	Jun.02, 02	1 Year
14.	Antenna	EMCO	3115	9607-4877	Dec. 04, 02	1.5 Year

3.2. Block Diagram of Test Setup

3.2.1. Block Diagram of connection between EUT and simulators

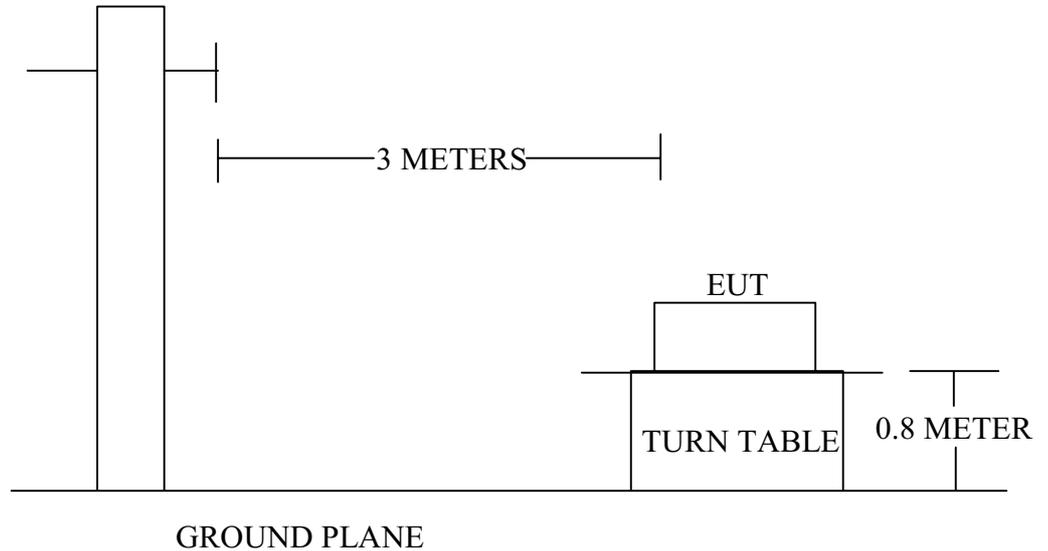


(EUT: 2.4GHz Wireless Camera)

3.2.2. Anechoic Chamber Setup Diagram

ANTENNA TOWER

ANTENNA ELEVATION VARIES FROM 1 TO 4 METERS



3.3. Radiated Emission Limit 30~1000MHz

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	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. 2.4GHz Wireless Camera (EUT)

Model Number : CWT-5800AM(Emperor)
 Serial Number : F2003050302
 Manufacturer : Zhu Hai Ken High Electronics Ltd.

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 Channel 1/TX Channel 2/TX Channel 3/TX Channel 4) 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 for frequency range from 30MHz to 1000 MHz.

The bandwidth of the VBW is set at 300KHz and RBW is set at 120KHz for measurement below 1GHz.

The frequency range from 30MHz to 24GHz is checked.

The test modes (TX Channel 1/TX Channel 2/TX Channel 3/TX Channel 4) 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 :	<u>Apr.23, 2003</u>	Temperature :	<u>20°C</u>
EUT :	<u>2.4GHz Wireless Camera</u>	Humidity :	<u>58%</u>
Model No. :	<u>CWT-5800AM</u>	Test Mode :	<u>TX Channel 4</u>
Test Engineer:	<u>Ling</u>		

Frequency MHz	Antenna Factor dB/m	Preamp Factor	Cable Loss dB	Meter Reading Horizontal dB μ V	Emission Level Horizontal dB μ V/m	Over Limits dB μ V/m	Limits dB μ V/m	Remark
2468.970	28.17	34.98	5.76	84.65	83.60	-10.40	94.00	Average
4944.000	33.15	34.45	8.05	35.17	41.92	-12.08	54.00	Average
7409.000	34.83	34.15	9.38	31.89	41.95	-12.05	54.00	Average

Remark: 1. All readings are Average values.

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

3. The bandwidth of the VBW is set at 1MHz and RBW is set at 1MHz for measurement above 1GHz.

Frequency MHz	Antenna Factor dB/m	Preamp Factor	Cable Loss dB	Meter Reading Horizontal dB μ V	Emission Level Horizontal dB μ V/m	Over Limits dB μ V/m	Limits dB μ V/m	Remark
2468.970	28.17	34.98	5.76	94.65	93.60	-20.40	114.00	Peak
4944.000	33.15	34.45	8.05	52.17	58.92	-15.08	74.00	Peak
7409.000	34.83	34.15	9.38	45.89	55.95	-18.05	74.00	Peak

Remark: 1. All readings are Peak values.

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

3. The bandwidth of the VBW is set at 1MHz and RBW is set at 1MHz for measurement above 1GHz.

Reviewer : _____

Date of Test : Apr.23, 2003 Temperature : 20°C
 EUT : 2.4GHz Wireless Camera Humidity : 58%
 Model No. : CWT-5800AM Test Mode : TX Channel 4
 Test Engineer: Ling

Frequency MHz	Antenna Factor dB/m	Preamp Factor	Cable Loss dB	Meter Reading Vertical dBμV	Emission Level Vertical dBμV/m	Over Limits dB	Limits dBμV/m	Remark
2468.970	28.17	34.98	5.76	80.72	79.67	-14.33	94.00	Average
4944.000	33.15	34.45	8.05	37.94	44.69	-9.31	54.00	Average
7426.000	34.84	34.15	9.39	32.67	42.75	-11.25	54.00	Average

- Remark: 1. All readings are Average values.
 2. Emission Level = Antenna Factor + Meter Reading+Cable Loss-Preamp Factor
 3. The bandwidth of the VBW is set at 1MHz and RBW is set at 1MHz for measurement above 1GHz.

Frequency MHz	Antenna Factor dB/m	Preamp Factor	Cable Loss dB	Meter Reading Vertical dBμV	Emission Level Vertical dBμV/m	Over Limits dB	Limits dBμV/m	Remark
2468.970	28.17	34.98	5.76	96.72	95.67	-18.33	114.00	Peak
4944.000	33.15	34.45	8.05	50.94	57.69	-16.31	74.00	Peak
7426.000	34.84	34.15	9.39	46.67	56.75	-17.25	74.00	Peak

- Remark: 1. All readings are Peak values.
 2. Emission Level = Antenna Factor + Meter Reading+Cable Loss-Preamp Factor
 3. The bandwidth of the VBW is set at 1MHz and RBW is set at 1MHz for measurement above 1GHz.

Reviewer : _____

Date of Test : Apr.23, 2003 Temperature : 20°C
 EUT : 2.4GHz Wireless Camera Humidity : 58%
 Model No. : CWT-5800AM Test Mode : TX Channel 1
 Test Engineer: Ling

Frequency MHz	Antenna Factor dB/m	Preamp Factor dB	Cable Loss dB	Meter Reading Vertical dBµV	Emission Level Vertical dBµV/m	Over Limits dB	Limits dBµV/m	Remark
2415.030	28.10	34.98	5.71	95.37	94.20	-	-	Peak

Remark: 1. All readings are Peak values.
 2. Emission Level = Antenna Factor + Meter Reading+Cable Loss-Preamp Factor
 3. The bandwidth of the VBW is set at 1MHz and RBW is set at 1MHz for measurement above 1GHz.

Date of Test : Apr.23, 2003 Temperature : 20°C
 EUT : 2.4GHz Wireless Camera Humidity : 58%
 Model No. : CWT-5800AM Test Mode : TX Channel 2
 Test Engineer: Ling

Frequency MHz	Antenna Factor dB/m	Preamp Factor dB	Cable Loss dB	Meter Reading Vertical dBµV	Emission Level Vertical dBµV/m	Over Limits dB	Limits dBµV/m	Remark
2433.230	28.13	34.98	5.73	94.37	93.25	-	-	Peak

Remark: 1. All readings are Peak values.
 2. Emission Level = Antenna Factor + Meter Reading+Cable Loss-Preamp Factor
 3. The bandwidth of the VBW is set at 1MHz and RBW is set at 1MHz for measurement above 1GHz.

Reviewer : _____

Date of Test : Apr.23, 2003 Temperature : 20°C
 EUT : 2.4GHz Wireless Camera Humidity : 58%
 Model No. : CWT-5800AM Test Mode : TX Channel 3
 Test Engineer: Ling

Frequency MHz	Antenna Factor dB/m	Preamp Factor dB	Cable Loss dB	Meter Reading Vertical dBµV	Emission Level Vertical dBµV/m	Over Limits dB	Limits dBµV/m	Remark
2450.770	28.16	34.97	5.76	92.55	91.50	-	-	Peak

Remark: 1. All readings are Peak values.
 2. Emission Level = Antenna Factor + Meter Reading+Cable Loss-Preamp Factor
 3. The bandwidth of the VBW is set at 1MHz and RBW is set at 1MHz for measurement above 1GHz.

Date of Test : Apr.23, 2003 Temperature : 20°C
 EUT : 2.4GHz Wireless Camera Humidity : 58%
 Model No. : CWT-5800AM Test Mode : TX Channel 4
 Test Engineer: Ling

Frequency MHz	Antenna Factor dB/m	Preamp Factor dB	Cable Loss dB	Meter Reading Vertical dBµV	Emission Level Vertical dBµV/m	Over Limits dB	Limits dBµV/m	Remark
2468.970	28.20	34.97	5.78	96.66	95.67	-	-	Peak

Remark: 1. All readings are Peak values.
 2. Emission Level = Antenna Factor + Meter Reading+Cable Loss-Preamp Factor
 3. The bandwidth of the VBW is set at 1MHz and RBW is set at 1MHz for measurement above 1GHz.

Reviewer : _____

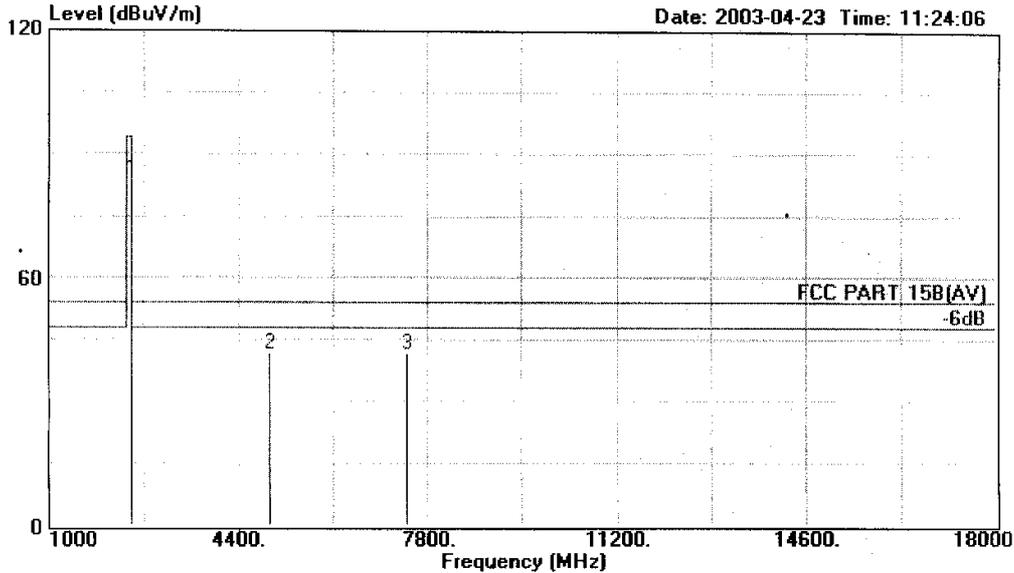


信華科技(深圳)有限公司

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\emperor.EMI



Site : 1# Chamber
 Condition : FCC PART 15B(AV) 3m 3115FACTOR HORIZONTAL
 EUT : 2.4GHz Wireless Camera
 M/N : CWT-5800AM
 Power : Adaptor input 120V/60Hz output DC 9V
 Test Engineer : Seco
 Memo : TX Channel 4

	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Probe Factor	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB	
1	2468.970	83.60	-10.40	94.00	84.65	5.76	28.17	34.98	Average
2	4944.000	41.92	-12.08	54.00	35.17	8.05	33.15	34.45	Average
3	7409.000	41.95	-12.05	54.00	31.89	9.38	34.83	34.15	Average

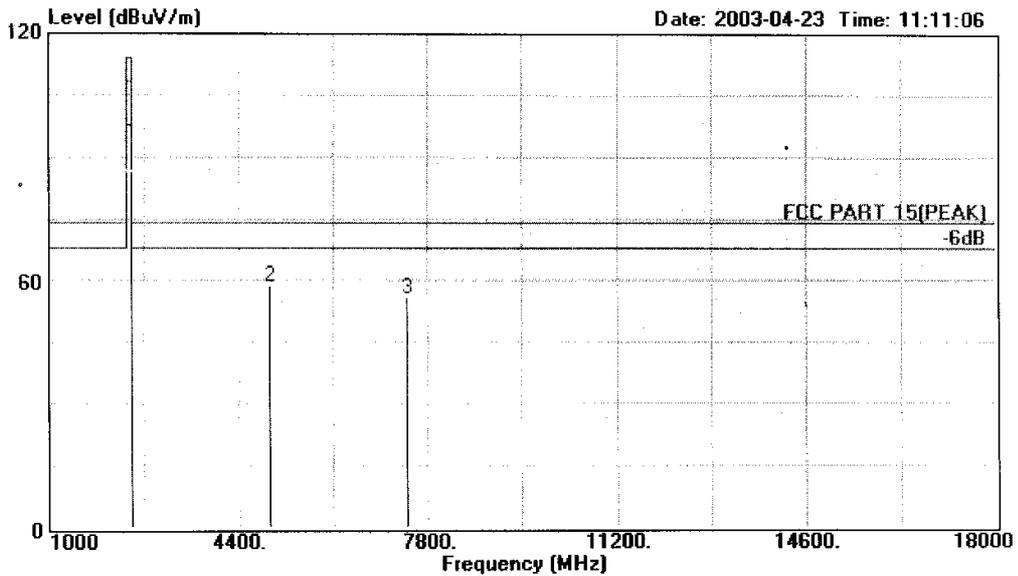


信華科技(深圳)有限公司

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#: 31 File#: C:\EMI TEST DATA\E\emperor.EMI



Site : 1# Chamber
Condition : FCC PART 15(PEAK) 3m 3115FACTOR HORIZONTAL
EUT : 2.4GHz Wireless Camera
M/N : CWT-5800AM
Power : Adaptor input 120V/60Hz output DC 9V
Test Engineer : Seco
Memo : TX Channel 4

	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Probe Factor	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB	
1	2468.970	93.60	-20.40	114.00	94.65	5.76	28.17	34.98	Peak
2	4944.000	58.92	-15.08	74.00	52.17	8.05	33.15	34.45	Peak
3	7409.000	55.95	-18.05	74.00	45.89	9.38	34.83	34.15	Peak

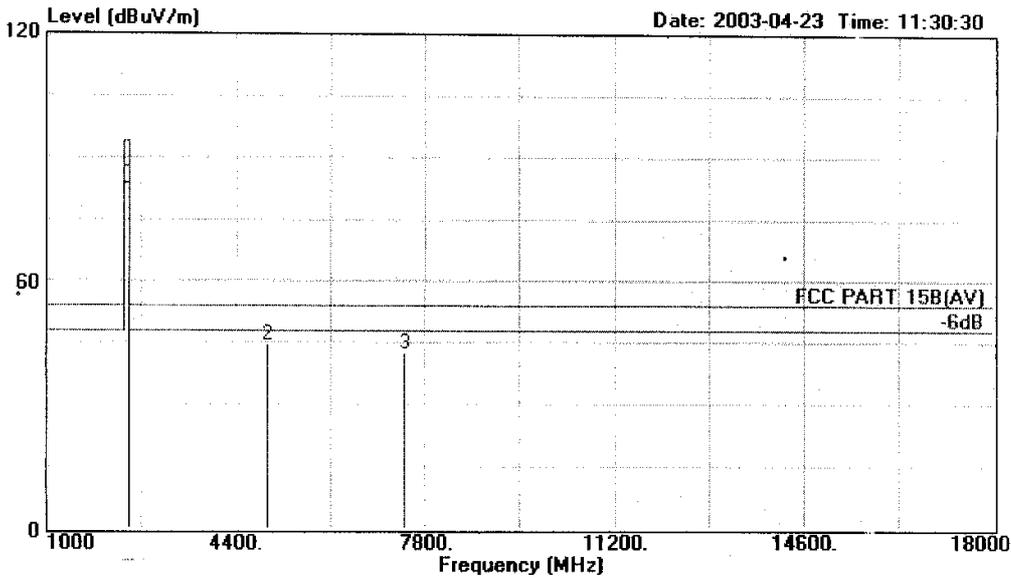


信華科技(深圳)有限公司

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#: 34 File#: C:\EMI TEST DATA\E\emperor.EMI



Site : 1# Chamber
Condition : FCC PART 15B(AV) 3m 3115FACTOR VERTICAL
EUT : 2.4GHz Wireless Camera
M/N : CWT-5800AM
Power : Adaptor input 120V/60Hz output DC 9V
Test Engineer : Seco
Memo : TX Channel 4

	Freq	Level	Over Limit	Limit	Read	Cable	Probe	Preamp	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB	
1	2466.970	79.67	-14.33	94.00	80.72	5.76	28.17	34.98	Average
2	4944.000	44.69	-9.31	54.00	37.94	8.05	33.15	34.45	Average
3	7426.000	42.75	-11.25	54.00	32.67	9.39	34.84	34.15	Average

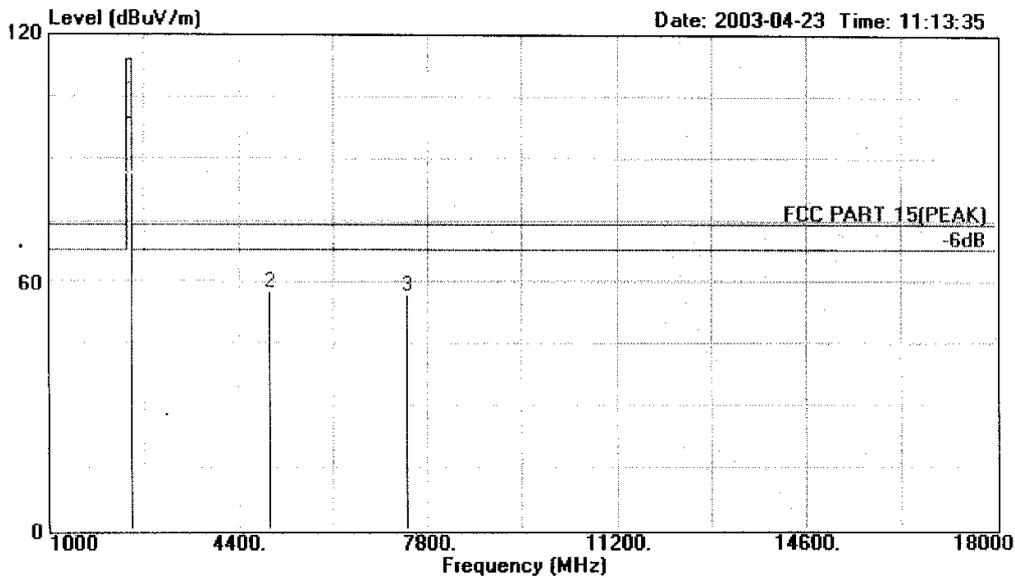


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No. 6, Ke Feng Road, Block 52,
Shenzhen Science & Industry Park
Nantou, Shenzhen, Guangdong, China
Tel:+86-755-26639496 Fax:+86-755-26632877

Data#: 32 File#: C:\EMI TEST DATA\E\emperor.EMI



Site : 1# Chamber
Condition : FCC PART 15(PEAK) 3m 3115FACTOR VERTICAL
EUT : 2.4GHz Wireless Camera
M/N : CWT-5800AM
Power : Adaptor input 120V/60Hz output DC 9V
Test Engineer : Seco
Memo : TX Channel 4

	Freq	Level	Over Limit	Limit	Read	Cable	Probe	Preamp	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB	
1	2468.970	95.67	-18.33	114.00	96.72	5.76	28.17	34.98	Peak
2	4944.000	57.69	-16.31	74.00	50.94	8.05	33.15	34.45	Peak
3	7426.000	56.75	-17.25	74.00	46.67	9.39	34.84	34.15	Peak

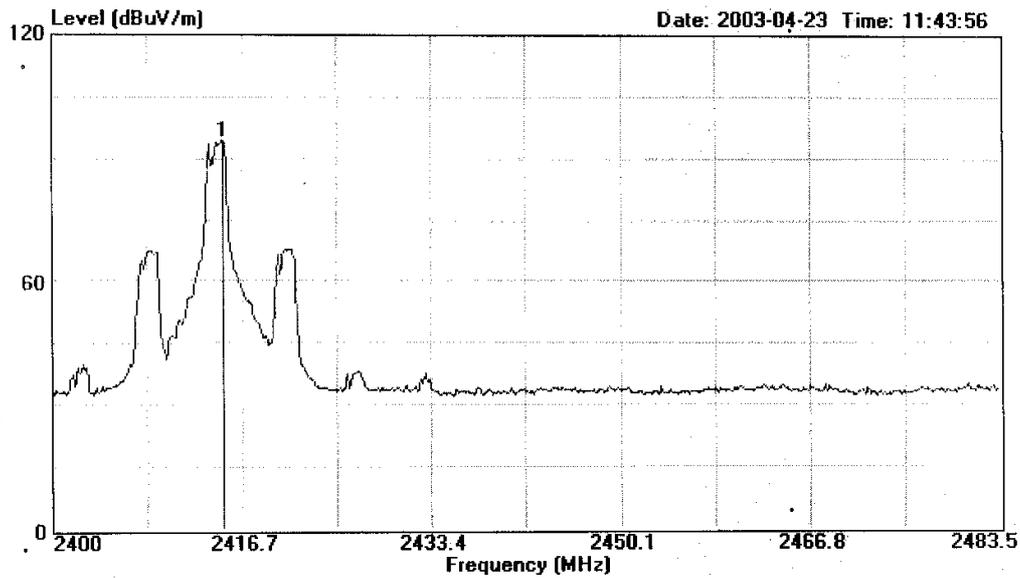


信華科技(深圳)有限公司

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#: 12 File#: C:\EMI TEST DATA\E\emperor.EMI



Site : 1# Chamber
Condition : 3m 3115FACTOR VERTICAL
EUT : 2.4GHz Wireless Camera
M/N : CWT-5800AM
Power : Adaptor input 120V/60Hz output DC 9V
Test Engineer : Seco
Memo : TX Channel 1

	Freq	Level	Over	Limit	Read	Cable	Probe	Preamp	Remark
			Limit	Line	Level	Loss	Factor	Factor	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB	
1	2415.030	94.20	-----	-----	95.37	5.71	28.10	34.98	Peak

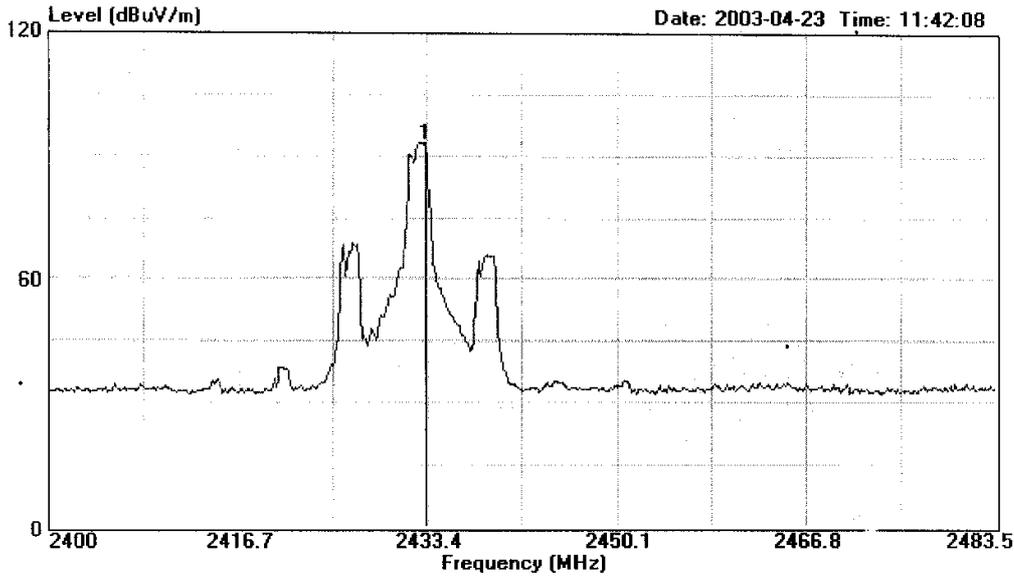


信華科技(深圳)有限公司

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#: 11 File#: C:\EMI TEST DATA\E\emperor.EMI



Site : 1# Chamber
Condition : 3m 3115FACTOR VERTICAL
EUT : 2.4GHz Wireless Camera
M/N : CWT-5800AM
Power : Adaptor input 120V/60Hz output DC 9V
Test Engineer : Seco
Memo : TX Channel 2

	Freq	Level	Over Limit	Limit	Read Level	Cable Loss	Probe Factor	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB	
1	2433.230	93.25	-----	-----	94.37	5.73	28.13	34.98	Peak

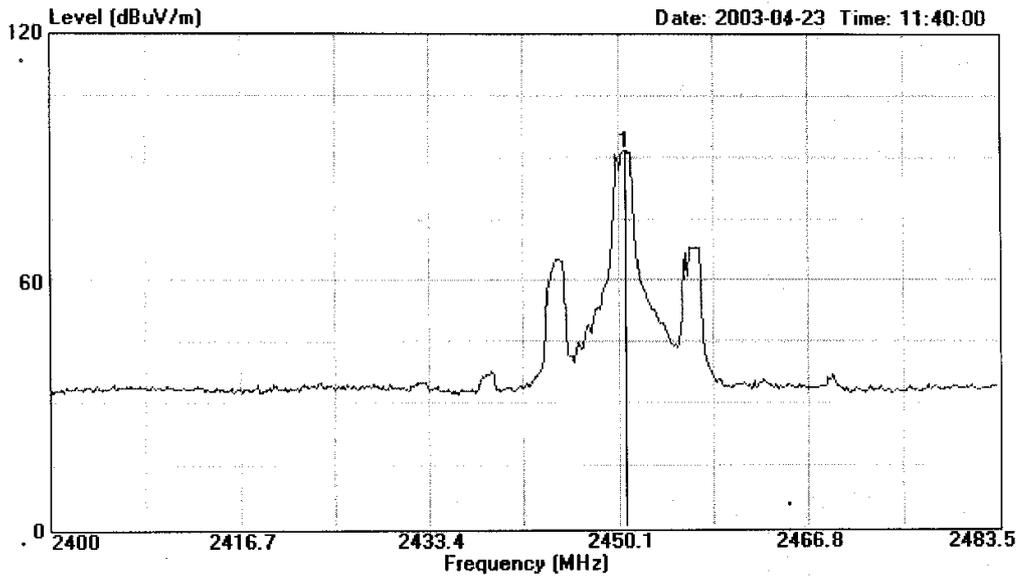


信華科技(深圳)有限公司

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#: 10 File#: C:\EMI TEST DATA\E\emperor.EMI



Site : 1# Chamber
 Condition : 3m 3115FACTOR VERTICAL
 EUT : 2.4GHz Wireless Camera
 M/N : CWT-5800AM
 Power : Adaptor input 120V/60Hz output DC 9V
 Test Engineer : Seco
 Memo : TX Channel 3

	Over	Limit	Read	Cable	Probe	Preamp	
Freq	Level	Limit	Line	Loss	Factor	Factor	Remark
MHz	dBuV/m	dB	dBuV/m	dB	dB	dB	dB
1 2450.770	91.50	-----	-----	92.55	5.76	28.16	34.97 Peak

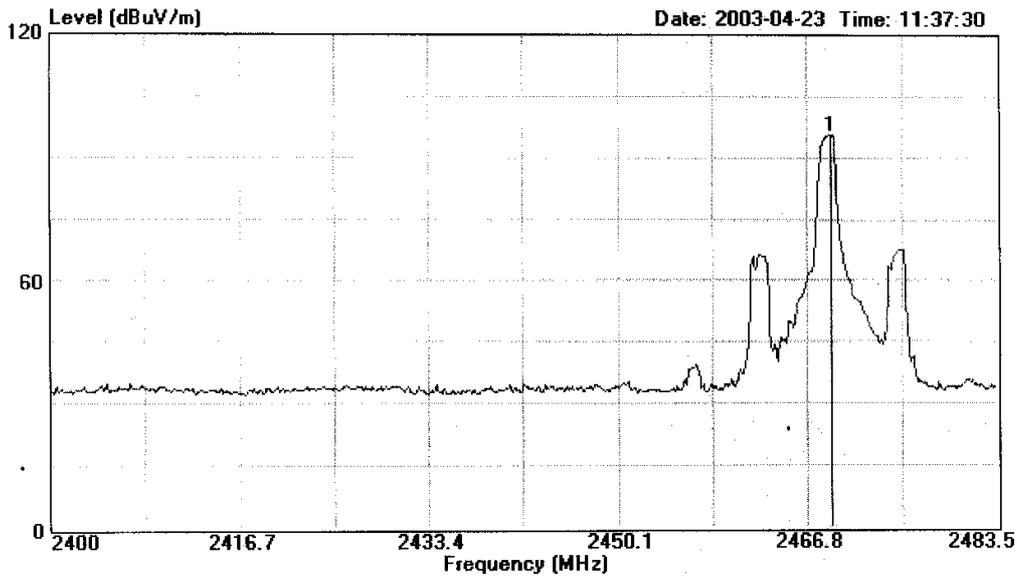


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Shenzhen Science & Industry Park
Nantou, Shenzhen, Guangdong, China
Tel: +86-755-26639496 Fax: +86-755-26632877

Data#: 9 File#: C:\EMI TEST DATA\E\emperor.EMI



Site : 1# Chamber
Condition : 3m 3115FACTOR VERTICAL
EUT : 2.4GHz Wireless Camera
M/N : CWT-5800AM
Power : Adaptor input 120V/60Hz output DC 9V
Test Engineer : Seco
Memo : TX Channel 4

	Over	Limit	Read	Cable	Probe	Preamp		
Freq	Level	Limit	Line	Level	Loss	Factor	Factor	Remark
MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB	
. 1	2468.970	95.67	-----	96.66	5.78	28.20	34.97	Peak

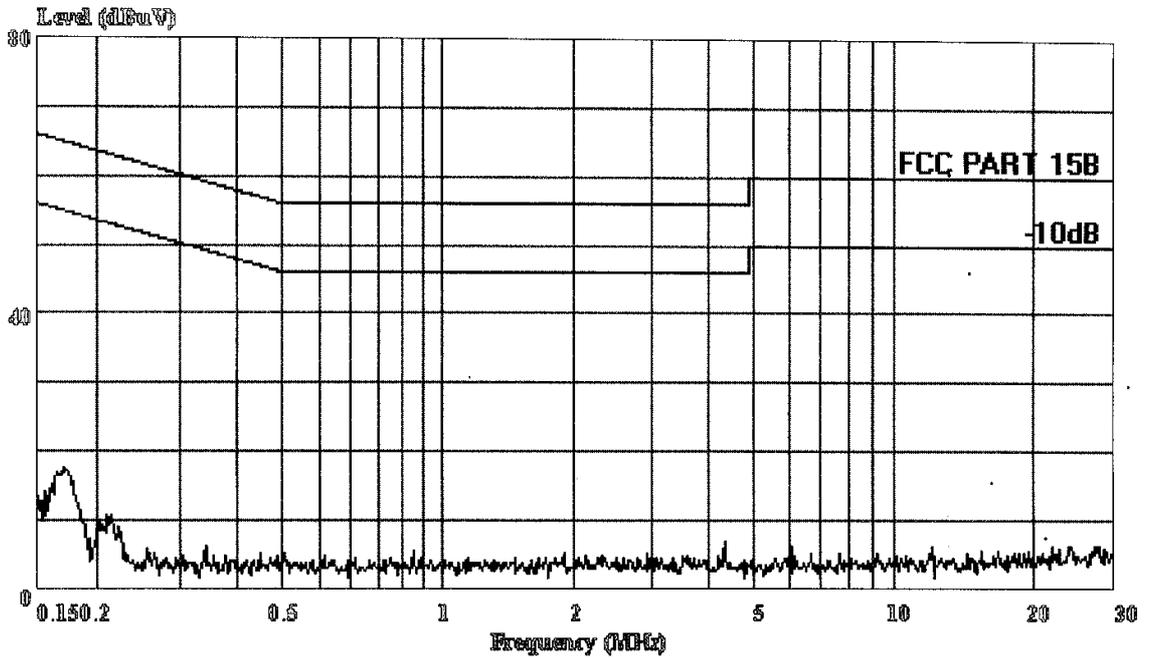
APPENDIX I



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.

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

Data#: 60 File#: Emperor.emi Date: 2003-04-29 Time: 09:40:49



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

Trace:

Ref Trace:

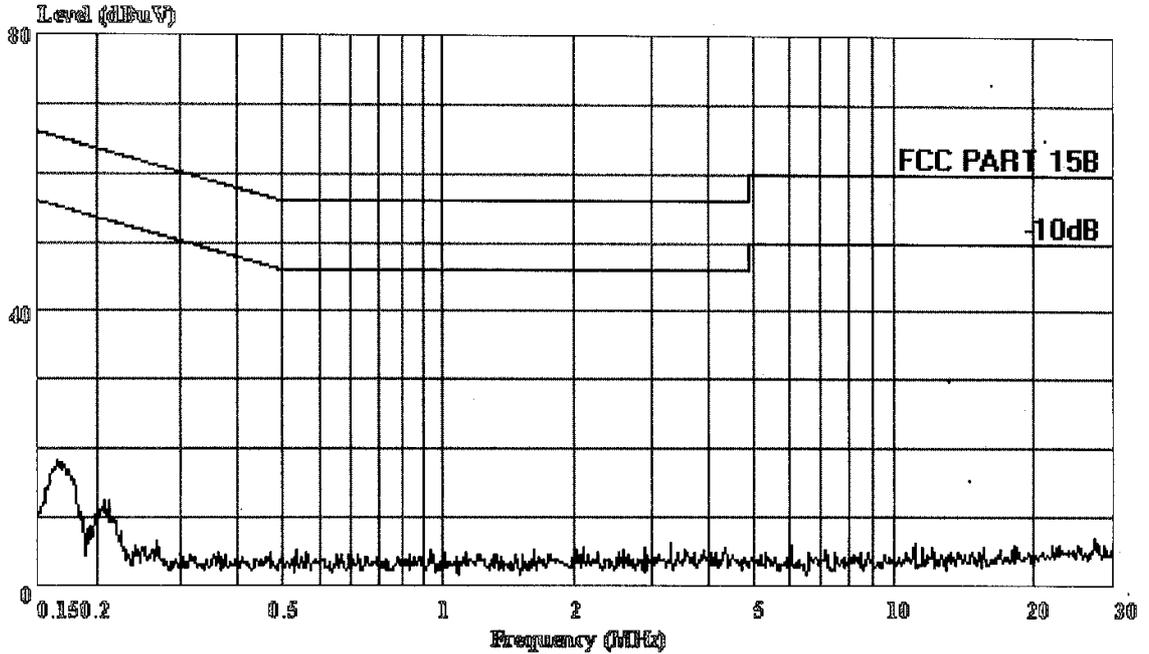
Condition: FCC PART 15B VA (KNW-407)
 EUT : 2.4GH Wireless Camera
 M/N : CWT-5800AM
 OP Cond : TX Channel 1
 Test Spec : Adaptor input 120V/60Hz output DC9V
 Test Engineer: Ling
 Comment : Temp: 24'C
 : Humi: 54%



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.

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

Data#: 59 File#: Emperor.emi Date: 2003-04-29 Time: 09:40:13



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

Trace:

Ref Trace:

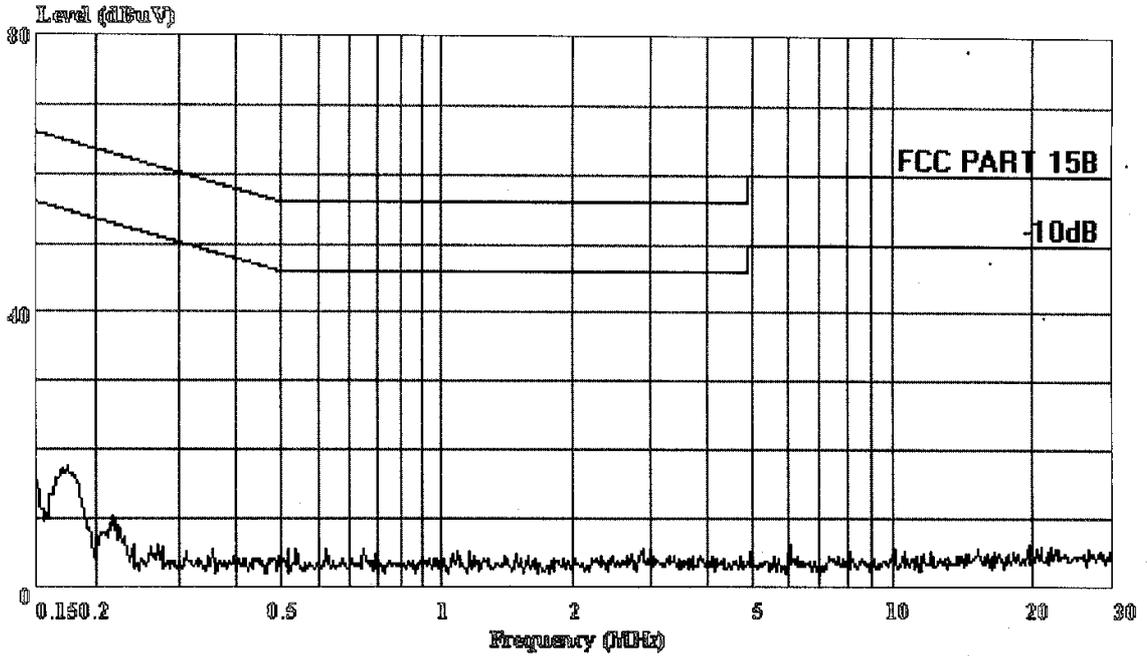
Condition: FCC PART 15B VB(KNW-407)
 EUT : 2.4GH Wireless Camera
 M/N : CWT-5800AM
 OP Cond : TX Channel 1
 Test Spec : Adaptor input 120V/60Hz output DC9V
 Test Engineer: Ling
 Comment : Temp:24'C
 : Humi:54%



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.

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

Data#: 61 File#: Emperor.emi Date: 2003-04-29 Time: 09:41:37



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

Trace:

Ref Trace:

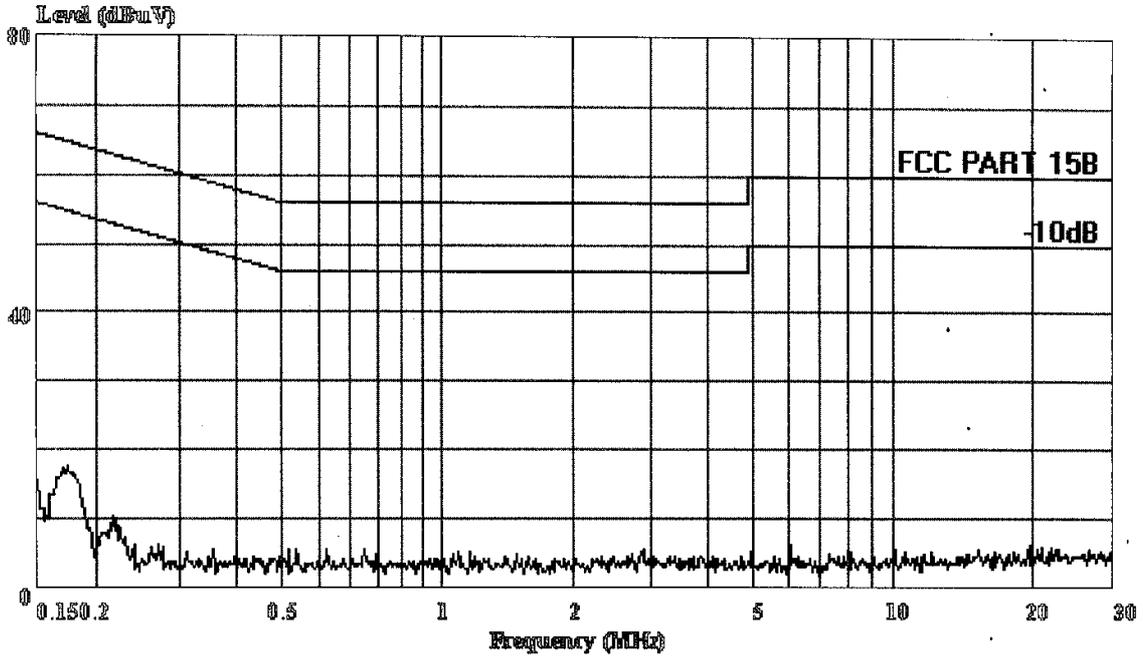
Condition: FCC PART 15B VA(KNW-407)
 EUT : 2.4GH Wireless Camera
 M/N : CWT-5800AM
 OP Cond : TX Channel 2
 Test Spec : Adaptor input 120V/60Hz output DC9V
 Test Engineer: Ling
 Comment : Temp:24'C
 : Humi:54%



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.

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

Data#: 62 File#: Emperor.emi Date: 2003-04-29 Time: 09:41:48



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

Trace:

Ref Trace:

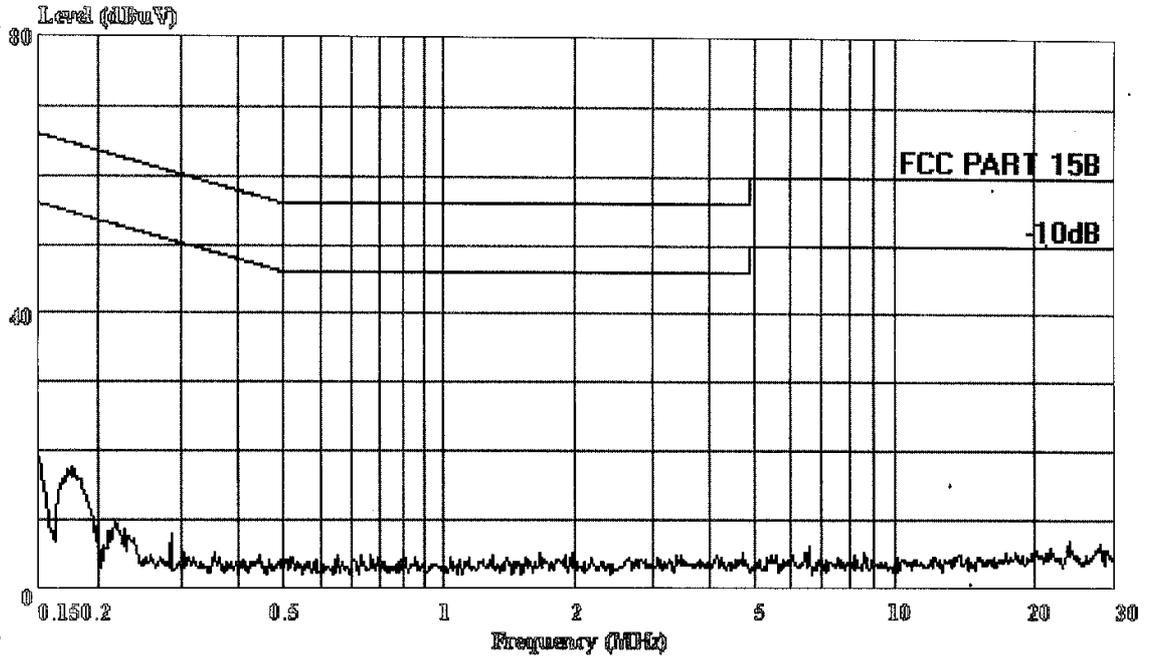
Condition: FCC PART 15B VB(KNW-407)
EUT : 2.4GH Wireless Camera
M/N : CWT-5800AM
OP Cond : TX Channel 2
Test Spec : Adaptor input 120V/60Hz output DC9V
Test Engineer: Ling
Comment : Temp:24'C
: Humi:54%



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.

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

Data#: 64 File#: Emperor.emi Date: 2003-04-29 Time: 09:46:46



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

Trace:

Ref Trace:

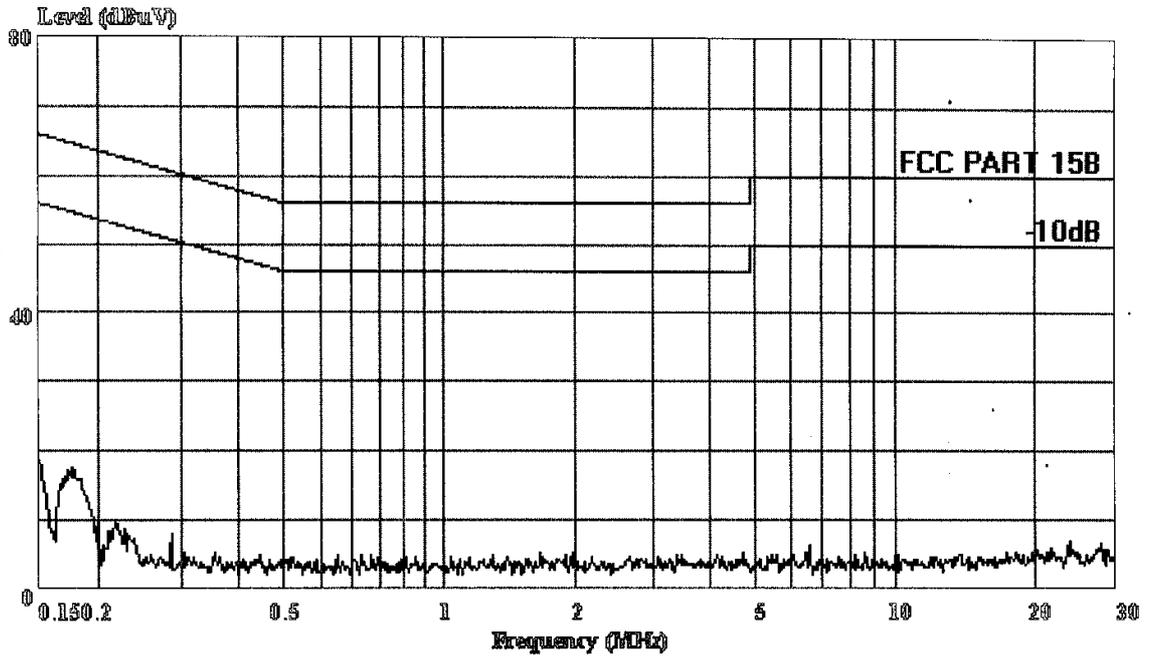
Condition: FCC PART 15B VA(KNW-407)
 EUT : 2.4GH Wireless Camera
 M/N : CWT-5800AM
 OP Cond : TX Channel 3
 Test Spec : Adaptor input 120V/60Hz output DC9V
 Test Engineer: Ling
 Comment : Temp:24'C
 : Humi:54%



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.

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

Data#: 63 File#: Emperor.emi Date: 2003-04-29 Time: 09:42:29



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

Trace:

Ref Trace:

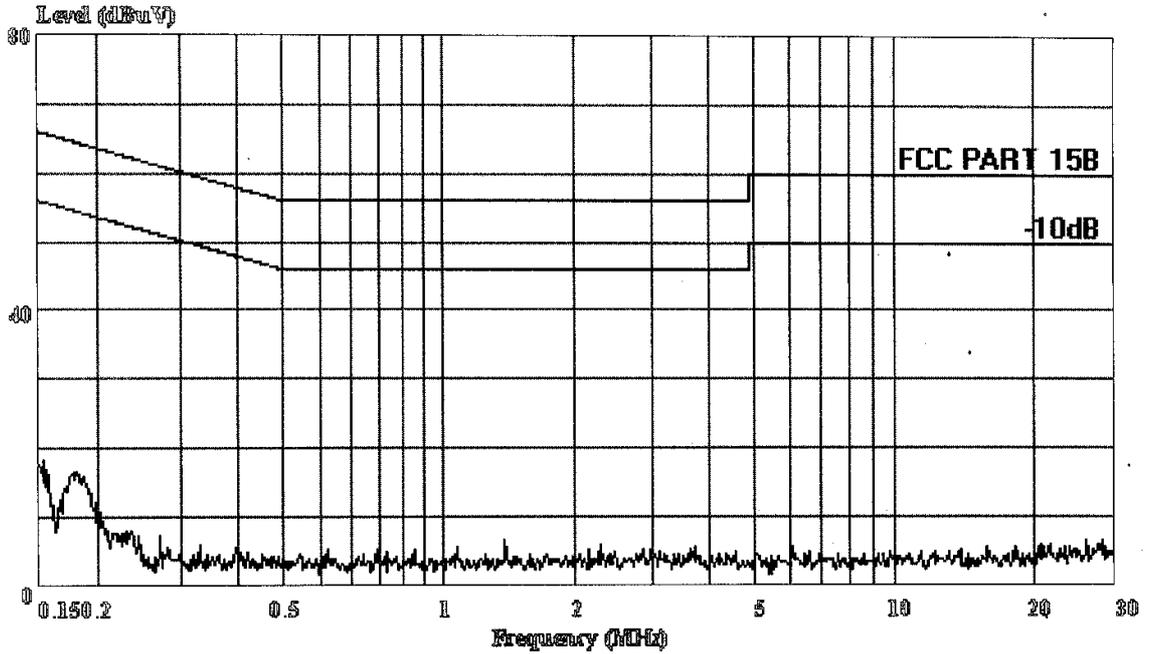
Condition: FCC PART 15B VB(KNW-407)
EUT : 2.4GH Wireless Camera
M/N : CWT-5800AM
OP Cond : TX Channel 3
Test Spec : Adaptor input 120V/60Hz output DC9V
Test Engineer: Ling
Comment : Temp:24'C
: Humi:54%



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.

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

Data#: 65 File#: Emperor.emi Date: 2003-04-29 Time: 09:49:02



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

Trace:

Ref Trace:

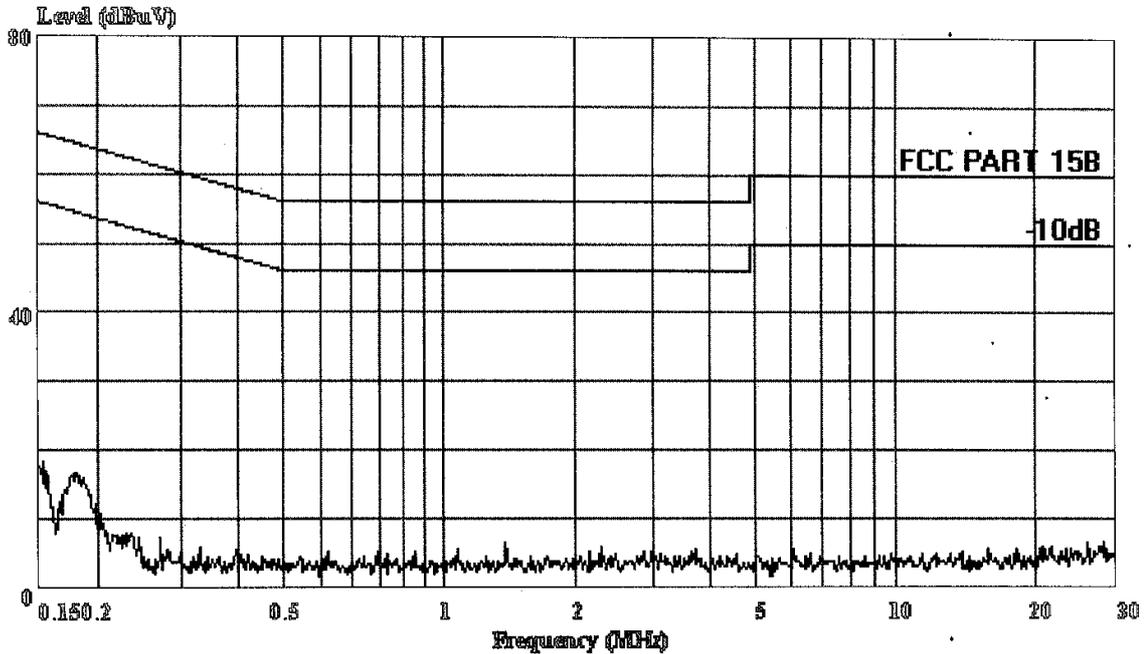
Condition: FCC PART 15B VA(KNW-407)
 EUT : 2.4GH Wireless Camera
 M/N : CWT-5800AM
 OP Cond : TX Channel 4
 Test Spec : Adaptor input 120V/60Hz output DC9V
 Test Engineer: Ling
 Comment : Temp:24'C
 : Humi:54%



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.

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

Data#: 66 File#: Emperor.emi Date: 2003-04-29 Time: 09:54:12



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

Trace:

Ref Trace:

Condition: FCC PART 15B VB(KNW-407)
 EUT : 2.4GH Wireless Camera
 M/N : CWT-5800AM
 OP Cond : TX Channel 4
 Test Spec : Adaptor input 120V/60Hz output DC9V
 Test Engineer: Ling
 Comment : Temp:24'C
 : Humi:54%

APPENDIX II

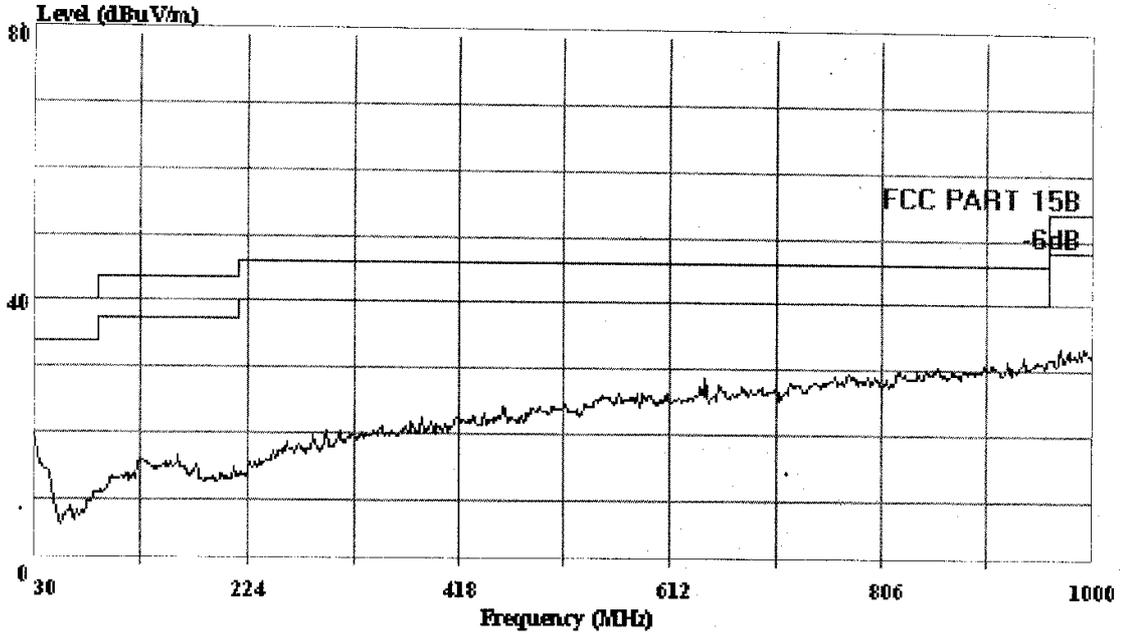


AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.

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

Data#: 200 File#: Emperor Corp(H.K).FMT

Date: 2003-04-24 Time: 11:57:48



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

Trace:

Ref Trace:

Condition: FCC PART 15B 3m 2598FACTOR HORIZONTAL
 EUT : 2.4GHz Wireless Camera
 M/N : CWT-5800AM
 Power : Adaptor Input 120V/60Hz Output DC9V
 Test Engineer: Seco
 Comment : Temp:20'C Humi:58%
 Memo : TX Channel 1

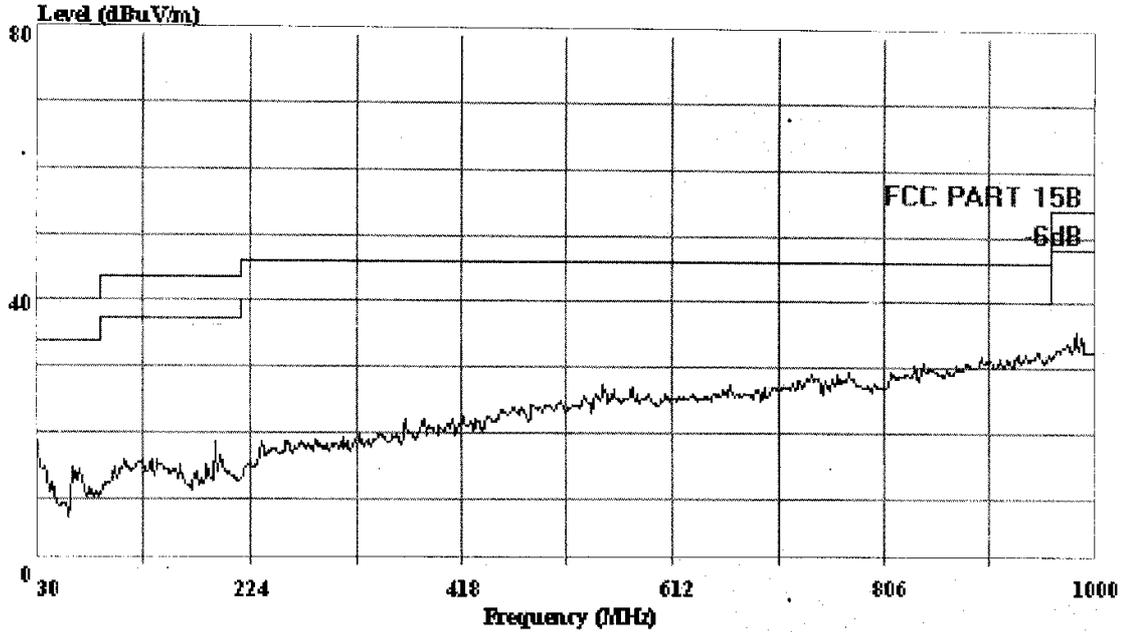


AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.

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

Data#: 201 File#: Emperor Corp(H.K).FMI

Date: 2003-04-24 Time: 11:58:13



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

Trace:

Ref Trace:

Condition: FCC PART 15B 3m 2598FACTOR VERTICAL

EUT : 2.4GHz Wireless Camera

M/N : CWT-5800AM

Power : Adaptor Input 120V/60Hz Output DC9V

Test Engineer: Seco

Comment : Temp:20'C Humi:58%

Memo : TX Channel 1

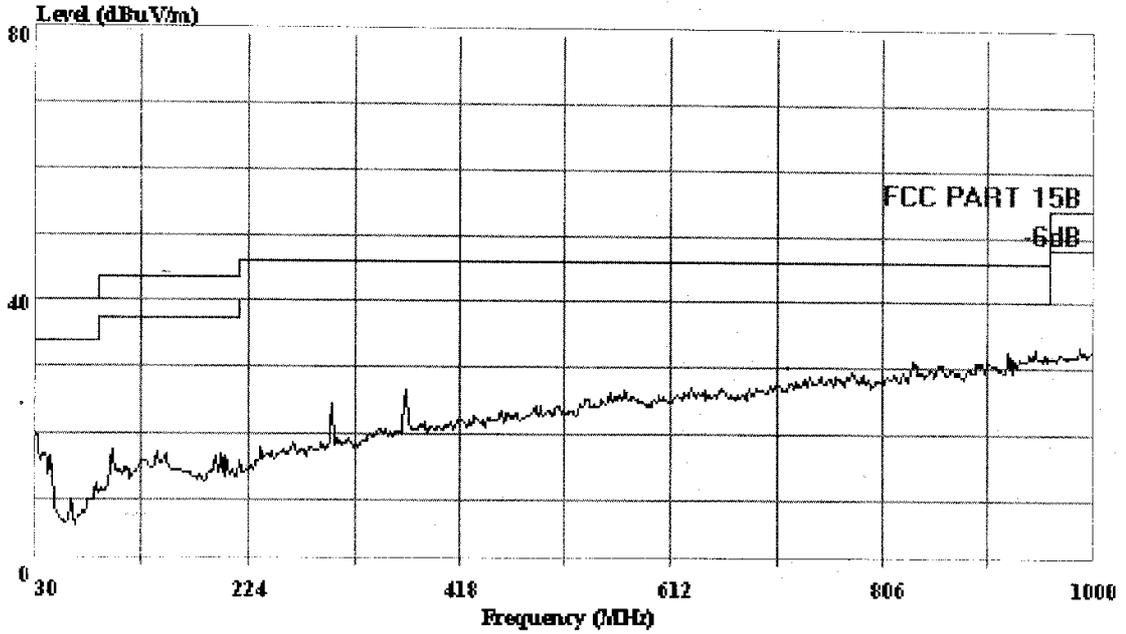


AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.

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

Data#: 203 File#: Emperor Corp(H.K).FMT

Date: 2003-04-24 Time: 11:59:19



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

Trace:

Ref Trace:

Condition: FCC PART 15B 3m 2598FACTOR HORIZONTAL

FUT : 2.4GHz Wireless Camera

M/N : CWT-5800AM

Power : Adaptor Input 120V/60Hz Output DC9V

Test Engineer: Seco

Comment : Temp:20'C Humi:58%

Memo : TX Channel 2

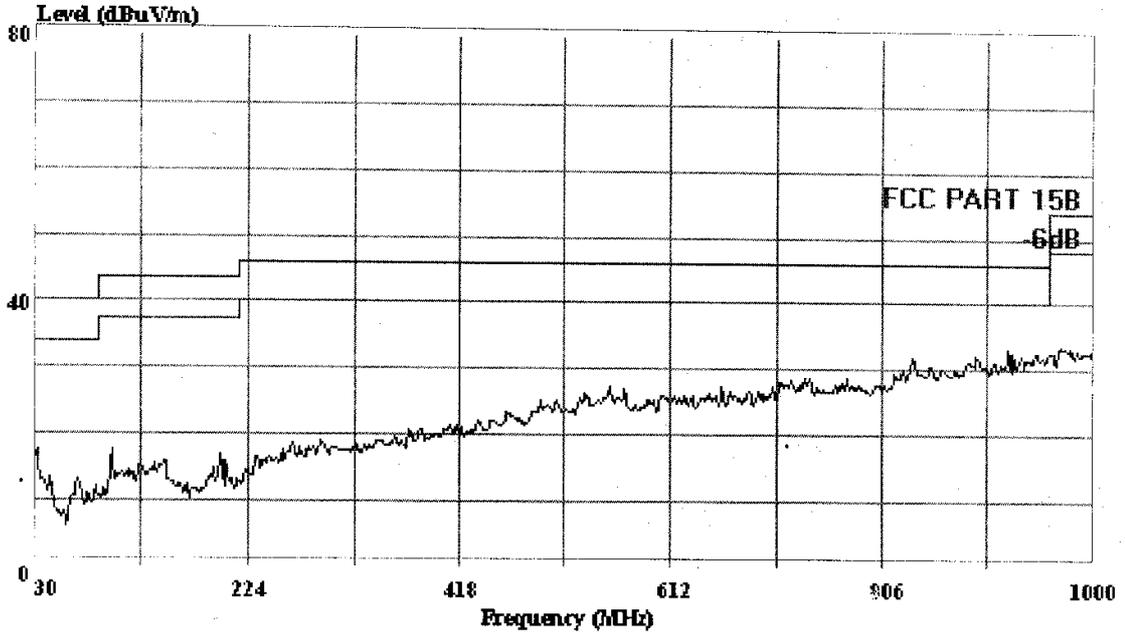


AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.

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

Data#: 202 File#: Emperor Corp(H.K).FMT

Date: 2003-04-24 Time: 11:59:05



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

Trace:

Ref Trace:

Condition: FCC PART 15B 3m 2598FACTOR VERTICAL
 EUT : 2.4GHz Wireless Camera
 M/N : CWT-5800AM
 Power : Adaptor Input 120V/60Hz Output DC9V
 Test Engineer: Seco
 Comment : Temp:20'C Humi:58%
 Memo : TX Channel 2

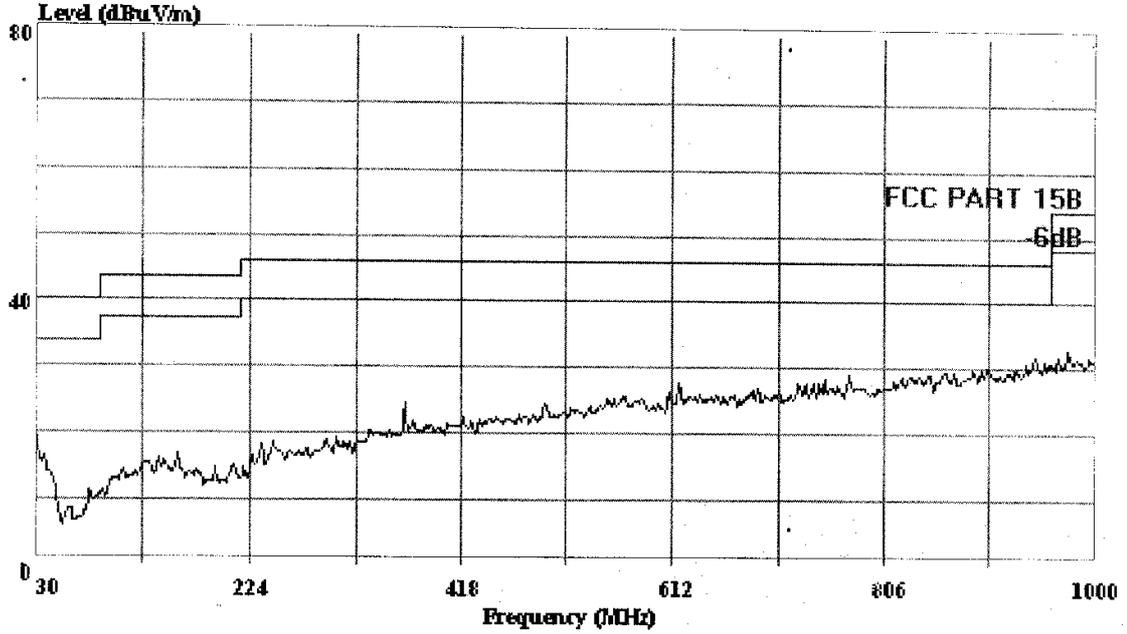


AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.

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

Data#: 205 File#: Emperor Corp(H.K).EMT

Date: 2003-04-24 Time: 12:00:22



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

Trace:

Ref Trace:

Condition: FCC PART 15B 3m 2598FACTOR HORIZONTAL
 EUT : 2.4GHz Wireless Camera
 M/N : CWT-5800AM
 Power : Adaptor Input 120V/60Hz Output DC9V
 Test Engineer: Seco
 Comment : Temp:20'C Humi:58%
 Memo : TX Channel 3

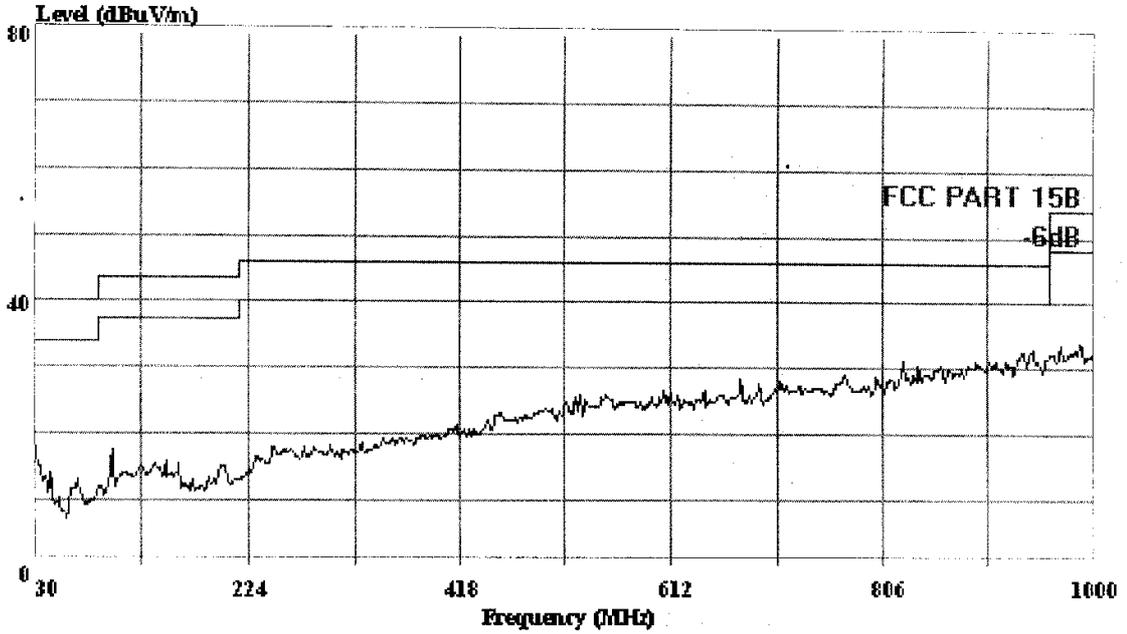


AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.

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

Data#: 204 File#: Emperor Corp(H.K).FMT

Date: 2003-04-24 Time: 12:00:04



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

Trace:

Ref Trace:

Condition: FCC PART 15B 3m 2598FACTOR VERTICAL

EUT : 2.4GHz Wireless Camera

M/N : CWT-5800AM

Power : Adaptor Input 120V/60Hz Output DC9V

Test Engineer: Seco

Comment : Temp:20'C Humi:58%

Memo : TX Channel 3

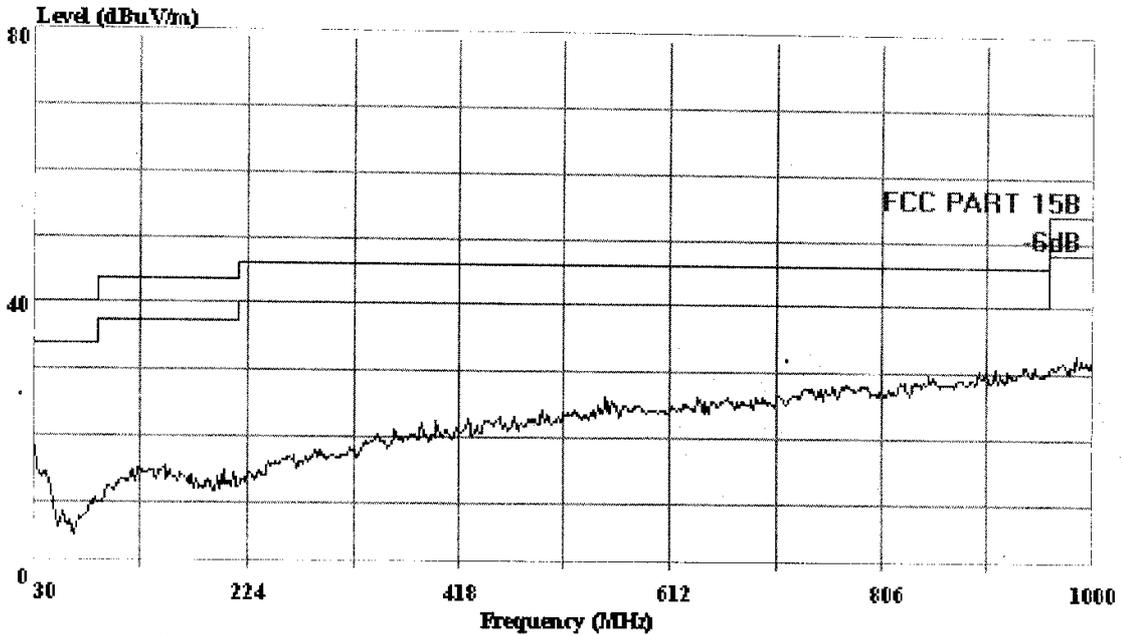


AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.

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

Data#: 206 File#: Emperor Corp(H.K).FMT

Date: 2003-04-24 Time: 12:00:46



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

Trace:

Ref Trace:

Condition: FCC PART 15B 3m 2598FACTOR HORIZONTAL
 EUT : 2.4GHz Wireless Camera
 M/N : CWT-5800AM
 Power : Adaptor Input 120V/60Hz Output DC9V
 Test Engineer: Seco
 Comment : Temp:20'C Humi:58%
 Memo : TX Channel 4

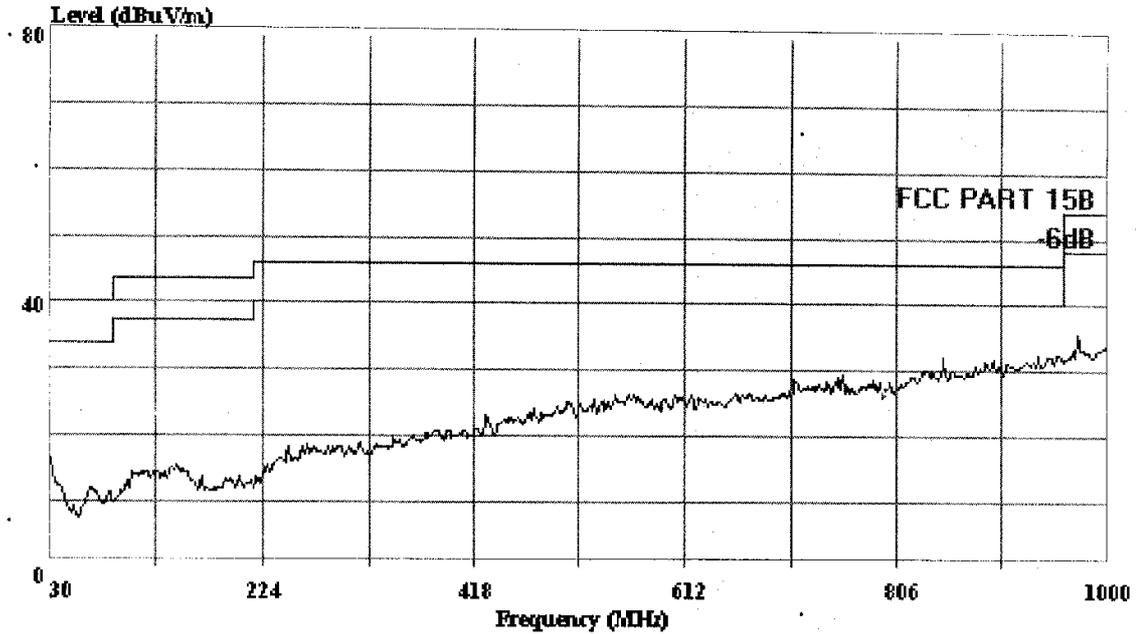


AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.

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

Data#: 207 File#: Emperor Corp(H.K).EMT

Date: 2003-04-24 Time: 12:01:12



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

Trace:

Ref Trace:

Condition: FCC PART 15B 3m 2598FACTOR VERTICAL
 EUT : 2.4GHz Wireless Camera
 M/N : CWT-5800AM
 Power : Adaptor Input 120V/60Hz Output DC9V
 Test Engineer: Seco
 Comment : Temp:20'C Humi:58%
 Memo : TX Channel 4

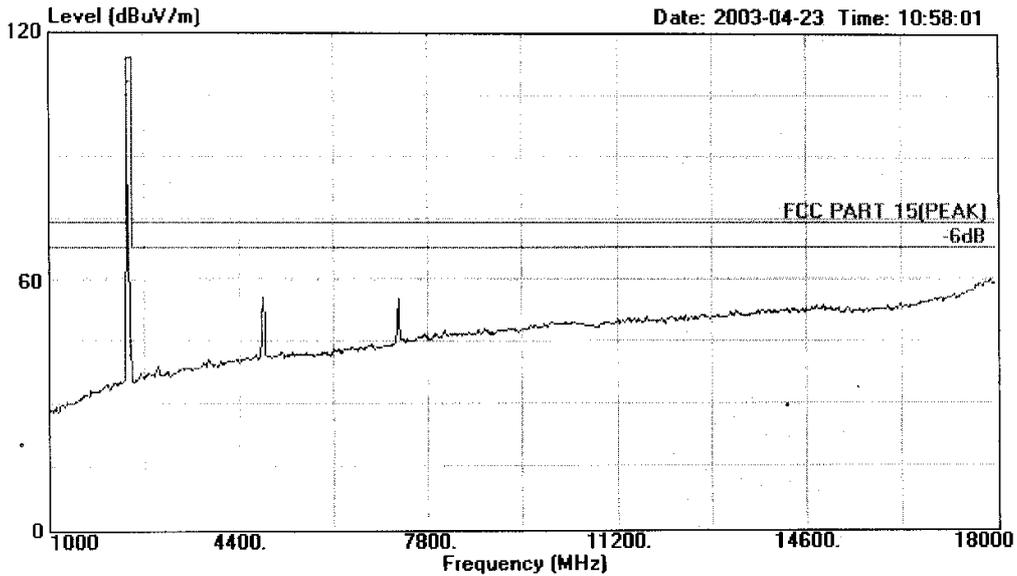


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AUDIX Technology (Shenzhen) Co., Ltd.

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

Data#: 2 File#: C:\EMI TEST DATA\E\emperor.EMI



Site : 1# Chamber
 Condition : FCC PART 15(PEAK) 3m 3115FACTOR HORIZONTAL
 EUT : 2.4GHz Wireless Camera
 M/N : CWT-5800AM
 Power : Adaptor input 120V/60Hz output DC 9V
 Test Engineer : Seco
 Memo : TX Channel 1

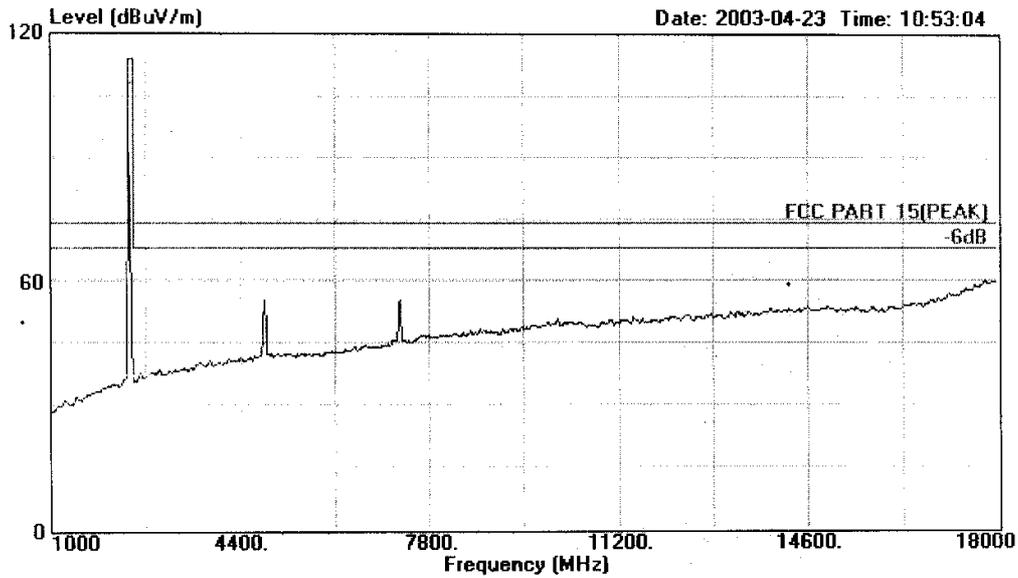


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No. 6, Ke Feng Road, Block 52,
 Shenzhen Science & Industry Park
 Nantou, Shenzhen, Guangdong, China
 Tel: +86-755-26639496 Fax: +86-755-26632877

Data#: 1 File#: C:\EMI TEST DATA\E\emperor.EMI



Site : 1# Chamber
 Condition : FCC PART 15(PEAK) 3m 3115FACTOR VERTICAL
 EUT : 2.4GHz Wireless Camera
 M/N : CWT-5800AM
 Power : Adaptor input 120V/60Hz output DC 9V
 Test Engineer : Seco
 Memo : TX Channel 1

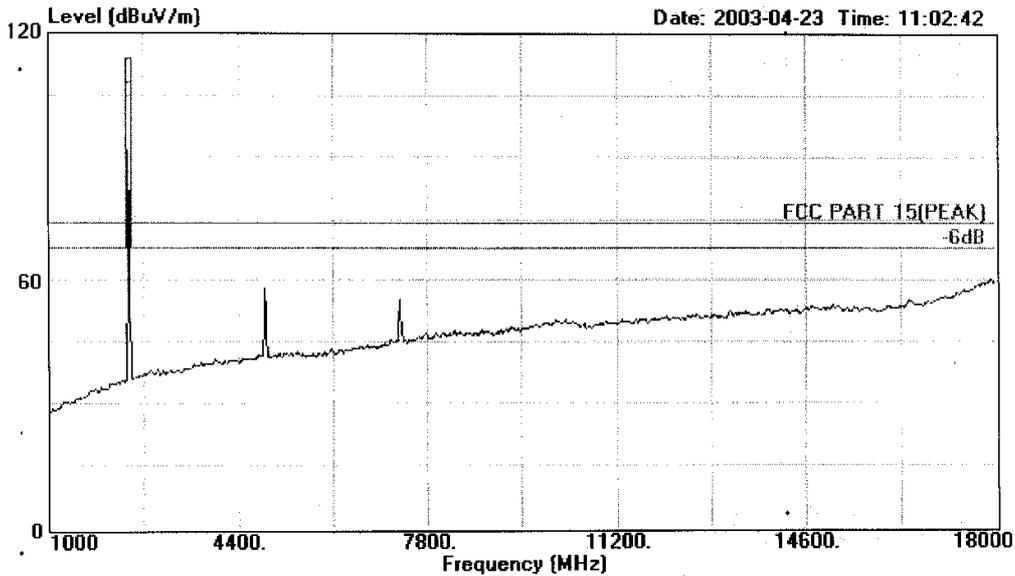


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AUDIX Technology (Shenzhen) Co.,Ltd.

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

Data#: 3 File#: C:\EMI TEST DATA\E\emperor.EMI



Site : 1# Chamber
Condition : FCC PART 15(PEAK) 3m 3115FACTOR HORIZONTAL
EUT : 2.4GHz Wireless Camera
M/N : CWT-5800AM
Power : Adaptor input 120V/60Hz output DC 9V
Test Engineer : Seco
Memo : TX Channel 2

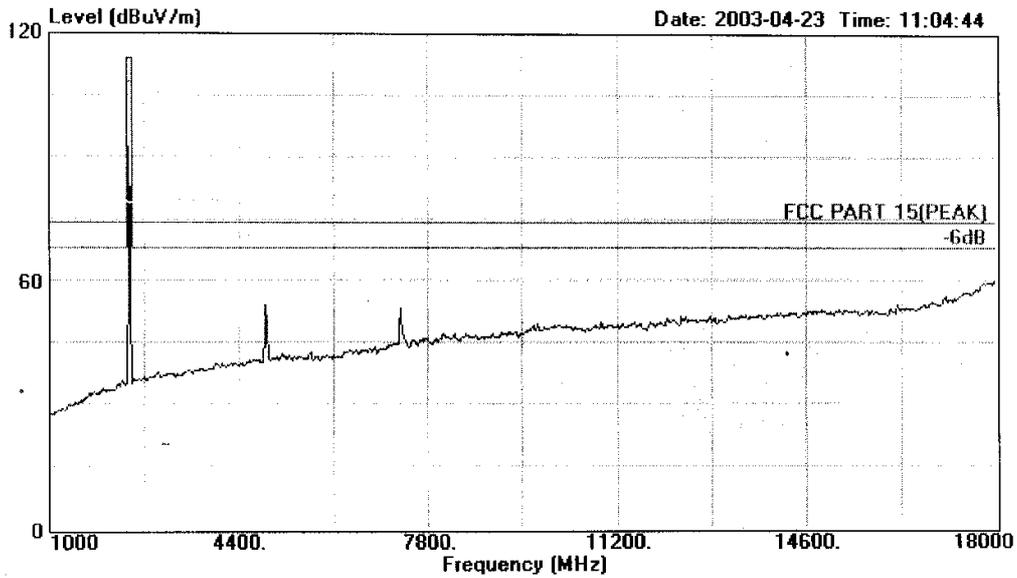


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No. 6, Ke Feng Road, Block 52,
 Shenzhen Science & Industry Park
 Nantou, Shenzhen, Guangdong, China
 Tel: +86-755-26639496 Fax: +86-755-26632877

Data#: 4 File#: C:\EMI TEST DATA\E\emperor.EMI



Site : 1# Chamber
 Condition : FCC PART 15(PEAK) 3m 3115FACTOR VERTICAL
 EUT : 2.4GHz Wireless Camera
 M/N : CWT-5800AM
 Power : Adaptor input 120V/60Hz output DC 9V
 Test Engineer : Seco
 Memo : TX Channel 2

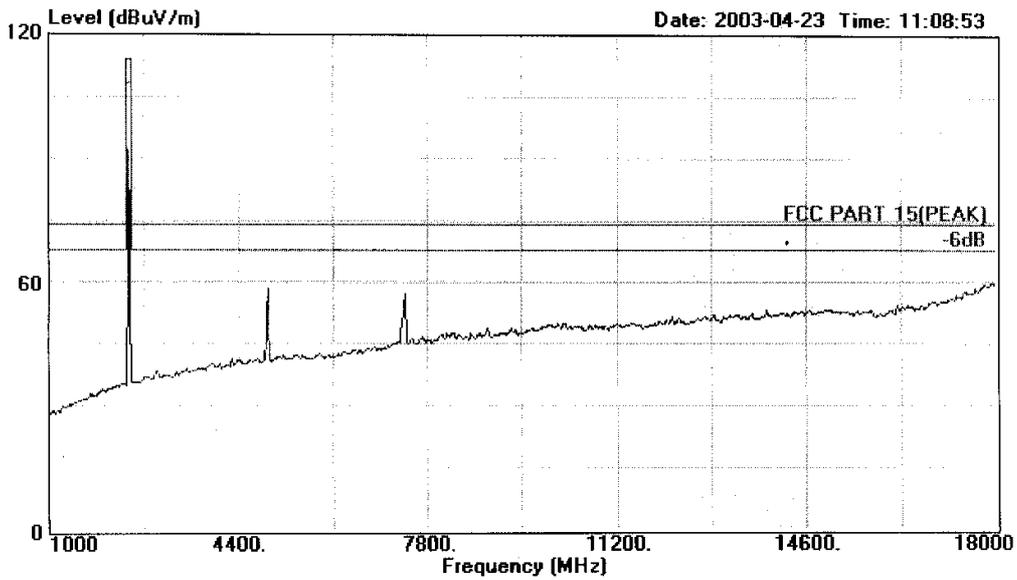


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AUDIX Technology (Shenzhen) Co., Ltd.

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

Data#: 6 File#: C:\EMI TEST DATA\E\emperor.EMI



Site : 1# Chamber
 Condition : FCC PART 15(PEAK) 3m 3115FACTOR HORIZONTAL
 EUT : 2.4GHz Wireless Camera
 M/N : CWT-5800AM
 Power : Adaptor input 120V/60Hz output DC 9V
 Test Engineer : Seco
 Memo : TX Channel 3

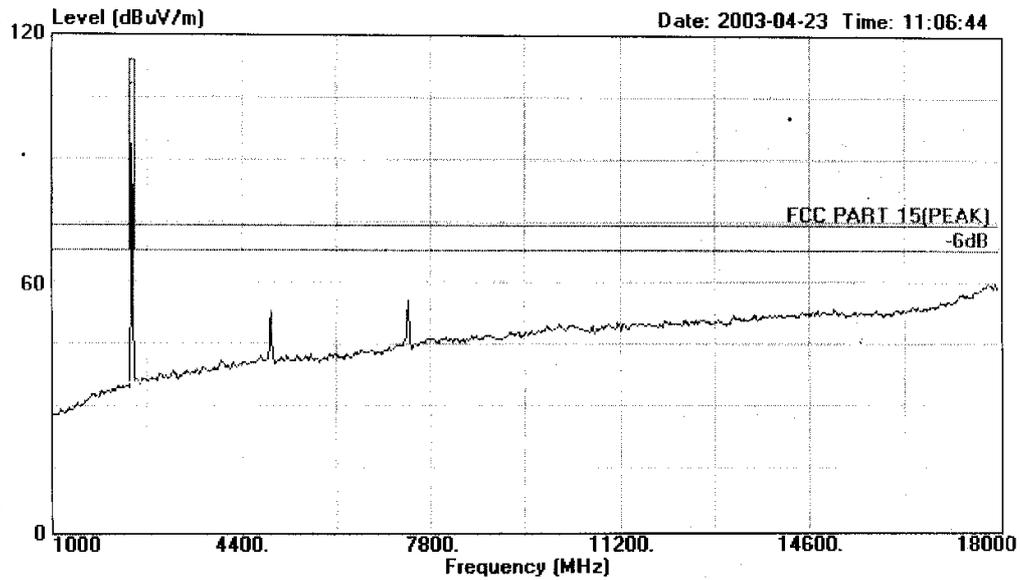


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AUDIX Technology (Shenzhen) Co., Ltd.

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

Data#: 5 File#: C:\EMI TEST DATA\E\emperor.EMI



Site : 1# Chamber
Condition : FCC PART 15 (PEAK) 3m 3115FACTOR VERTICAL
EUT : 2.4GHz Wireless Camera
M/N : CWT-5800AM
Power : Adaptor input 120V/60Hz output DC 9V
Test Engineer : Seco
Memo : TX Channel 3

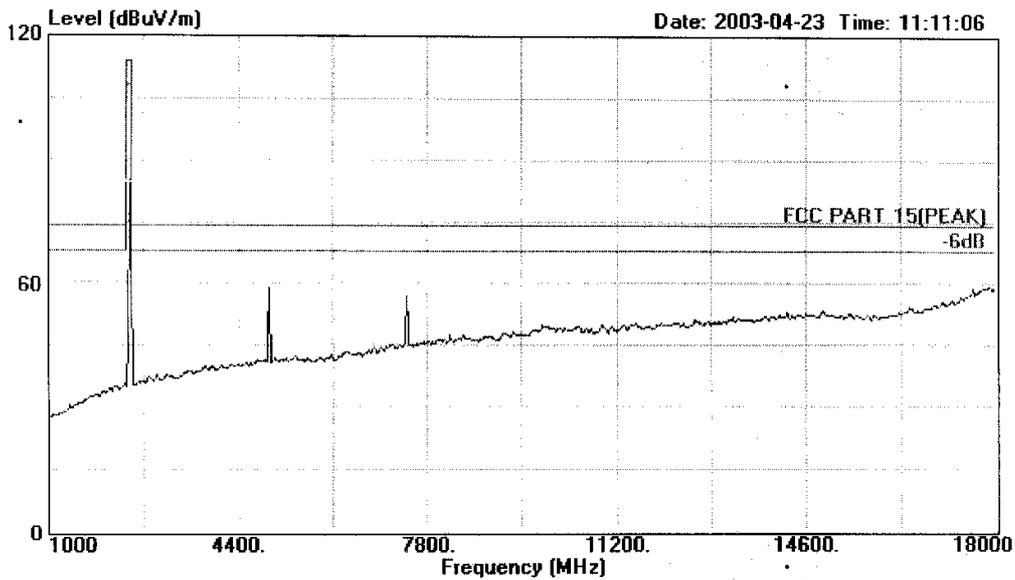


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AUDIX Technology (Shenzhen) Co., Ltd.

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

Data#: 7 File#: C:\EMI TEST DATA\E\emperor.EMI



Site : 1# Chamber
Condition : FCC PART 15(PEAK) 3m 3115FACTOR HORIZONTAL
EUT : 2.4GHz Wireless Camera
M/N : CWT-5800AM
Power : Adaptor input 120V/60Hz output DC 9V
Test Engineer : Seco
Memo : TX Channel 4

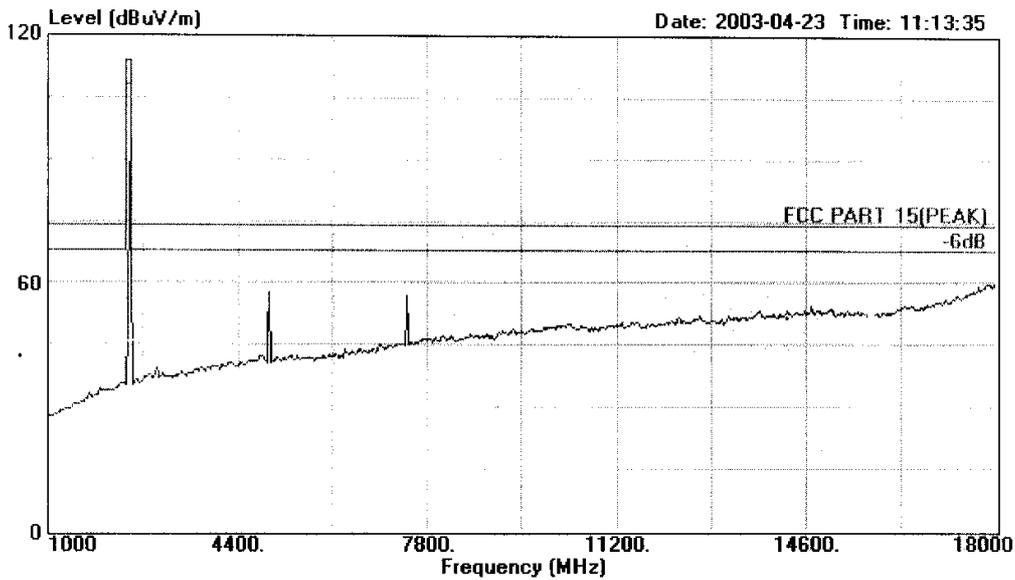


信華科技(深圳)有限公司

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#: 8 File#: C:\EMI TEST DATA\E\emperor.EMI



Site : 1# Chamber
Condition : FCC PART 15(PEAK) 3m 3115FACTOR VERTICAL
EUT : 2.4GHz Wireless Camera
M/N : CWT-5800AM
Power : Adaptor input 120V/60Hz output DC 9V
Test Engineer : Seco
Memo : TX Channel 4