ELECTROMAGNETIC EMISSIONS COMPLIANCE REPORT
CERTIFICATION TO FCC PART 15 REQUIREMENTS

for

UNINTENTIONAL RADIATOR

302 MHz RECEIVER

MODEL: AA-939

FCC ID: BGAA939A

REPORT NO: 00T0015-1

DATE: JANUARY 10, 2000

Prepared for

AUDIOVOX CORPORATION
150 MARCUS BOULEVARD
HAUPPAUGE, NY 11788
U.S.A.

Prepared by

COMPLIANCE ENGINEERING SERVICES, INC.
1366 BORDEAUX DRIVE
SUNNYVALE, CA 94089, USA
TEL: (408) 752-8166
FAX: (408) 752-8168

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TEST DATA

- Fundamental Frequency Plot
- Radiated Emission Data

1. VERIFICATION OF COMPLIANCE

COMPANY NAME	:	AUDIOVOX CORPORATION 150 MARCUS BOULEVARD HAUPPAUGE, NY 11788 U.S.A.
CONTACT PERSON	:	PAT LAVELLE / EXECUTIVE VICE PRESIDENT
TELEPHONE NO.	:	(516) 231-7750
EUT DESCRIPTION	:	302 MHz RECEIVER
MODEL NAME/NUMBER	:	AA-939
FCC ID	:	BGAA939A
DATE TESTED	:	JANUARY 10, 2000
REPORT NUMBER	:	00T0015-1

TYPE OF EQUIPMENT	SECURITY EQUIPMENT (UNINTENTIONAL RADIATOR)
EQUIPMENT TYPE	302 MHz SUPERREGENERATE RECEIVER
MEASUREMENT PROCEDURE	ANSI 63.4 / 1992
LIMIT TYPE	CERTIFICATION
FCC RULE	CFR 47, PART 15.109

The above equipment was tested by Compliance Engineering Services, Inc. for compliance with the requirements set forth in CFR 47, PART 15. This said equipment in the configuration described in this report shows that maximum emission levels emanating from equipment are within the compliance requirements.

MIKE C.I. KUO / VICE PRESIDENT
COMPLIANCE ENGINEERING SERVICES, INC.

2. PRODUCT DESCRIPTION

AUDIOVOX CORP., Model AA-939 is the receiving portion of a multi-purpose security device. The associated Transmitter is manufactured by Audiovox Corp., Model No: PRO94KDCF, FCC ID: BGAAVZTF.

3. TEST FACILITY

The 3 meter open area test site and conducted measurement facility used to collect the radiated data is located at 561F Monterey Road, Morgan Hill, California, U.S.A. A detailed description of the test facilities was submitted to the Commission on May 27, 1994.

The measuring instrument which was utilized in performing the tests documented herein has been calibrated in accordance with the manufacturer's recommendations for utilizing calibration equipment which is traceable to recognized national standards.

4. MEASUREMENT EQUIPMENT USED

Manufacturer	Model Number	Description	Cal Due Date
H.P.	8640B	Signal Generator (0.5 - 1024 MHz)	08/00
H.P.	8566B	Spectrum Analyzer (100Hz - 22GHz)	09/00
EMCO	3146	Antenna (200-1000 MHz)	10/00
H.P.	8447D	Preamplifier (0.1 - 1300 MHz)	09/00
ARA	DRG-18/A	Antenna(1 - 18GHZ)	12/00
H.P.	8449B	Preamplifier (1-26.5GHZ)	03/00

5. TEST CONFIGURATION

Set signal generator to transmit at 302 MHz. The receiver receives the signal. All the wires are placed on the turn table to their maximum length to simulate the worse emission condition.

6. TESTS CONDUCTED

CFR 47, 15.109 RADIATED EMISSION TESTS	CONDUCTED AT 3 METERS

7. RADIATED EMISSION TEST PROCEDURE

The EUT and all other support equipment are placed on a wooden table 80 cm above the ground screen. Antenna to EUT distance is 3 meters. During the test, the table is rotated 360 degrees to maximize emissions and the antenna is positioned from 1 to 4 meters above the ground screen to further maximize emissions. The antenna is polarized in both vertical and horizontal positions.

Monitor the frequency range of interest at a fixed antenna height and EUT azimuth. Frequency span should be small enough to easily differentiate between broadcast stations and intermittent ambients. Rotate EUT 360 degrees to maximize emissions received from EUT. If emission increases by more than 1 dB, or if another emission appears that is greater by 1 dB, return to azimuth where maximum occurred and perform additional cable manipulation to further maximize received emission.

Move antenna up and down to further maximize suspected highest amplitude signal. If emission increased by 1 dB or more, or if another emission appears that is greater by 1dB or more, return to antenna height where maximum signal was observed and manipulate cables to produce highest emissions, noting frequency and amplitude.

8. COHERENT TESTS

During Radiated Emission Tests, H.P. signal generator model no: 8640B (0.5 - 1024 MHz) was used to radiate unmodulated CW signal to EUT at 302.0 MHz. Please refer to radiated emission data no: 990713C1 for six highest readings.

COMPLIANCE CONSULTING SERVICES CCS DOCUMENT NO: CCSUP4021B
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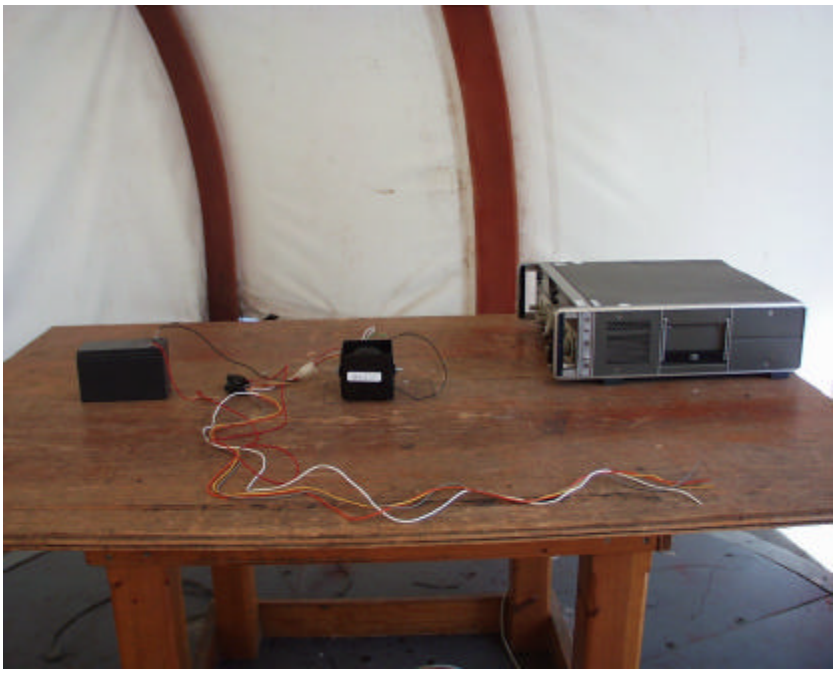
9. EQUIPMENT MODIFICATIONS

To achieve compliance to FCC section 15.109, the following change(s) were made during compliance testing:

NOT APPLICABLE

10. TEST CONFIGURATION PHOTOS (Radiated Emission Test)



COMPLIANCE
Engineering Services, Inc.
FCC,VCCI,CISPR,CE
UL,CSA,TUV

1366 Bordeaux Drive,
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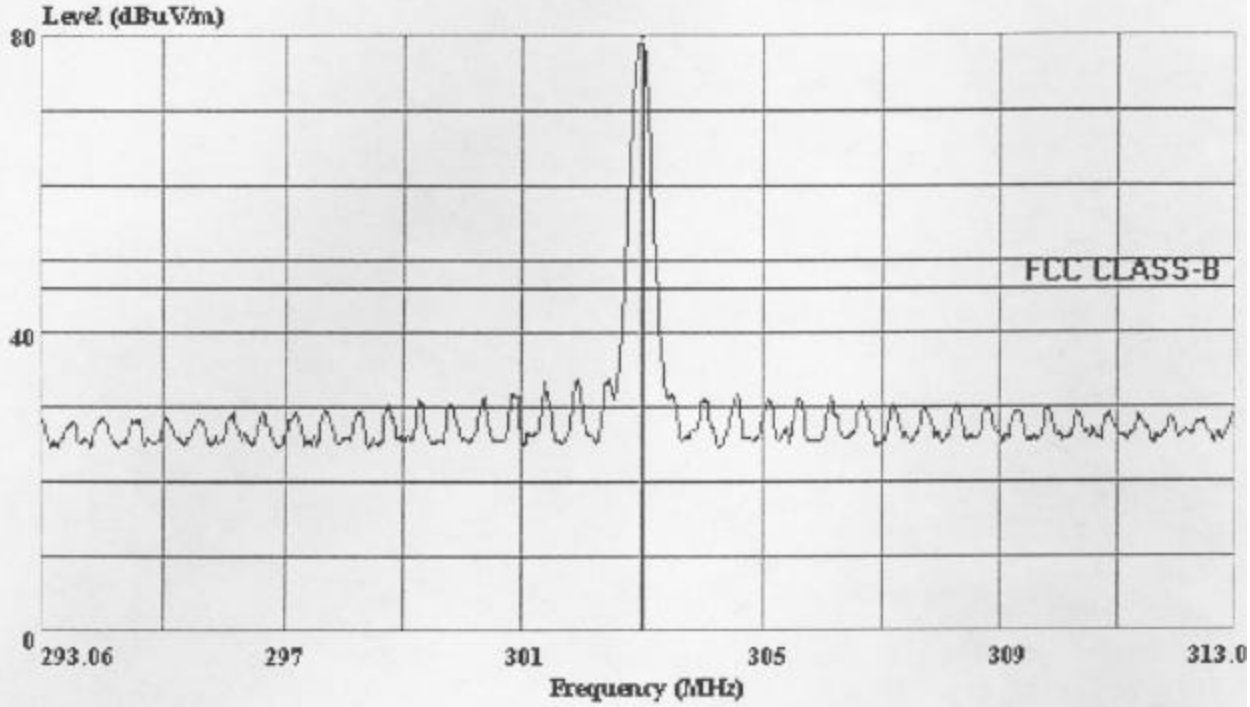
Data#: 4 File#: 00t0015.emi Date: 01-19-2000 Time: 10:33:4



(Audix ATC)
Trace: 1 Ref Trace:

Condition: FCC CLASS-B 3m A_BILOG (CBL6112) HORIZONTAL
Project # : : 00T0015
Report # : : 000110A1
Test Engineer : : Ronny & Thu.
Company : : Audiovox Corp.
EUT Description : : 302Mhz Car Alarm RX, M/N: AA-939
Test Configuration : : EUT/Signal Generator
Mode of Operation : : Normal

	Freq	Level
	MHz	dBuV/m
1 *	303.080	78.94

COMPLIANCE
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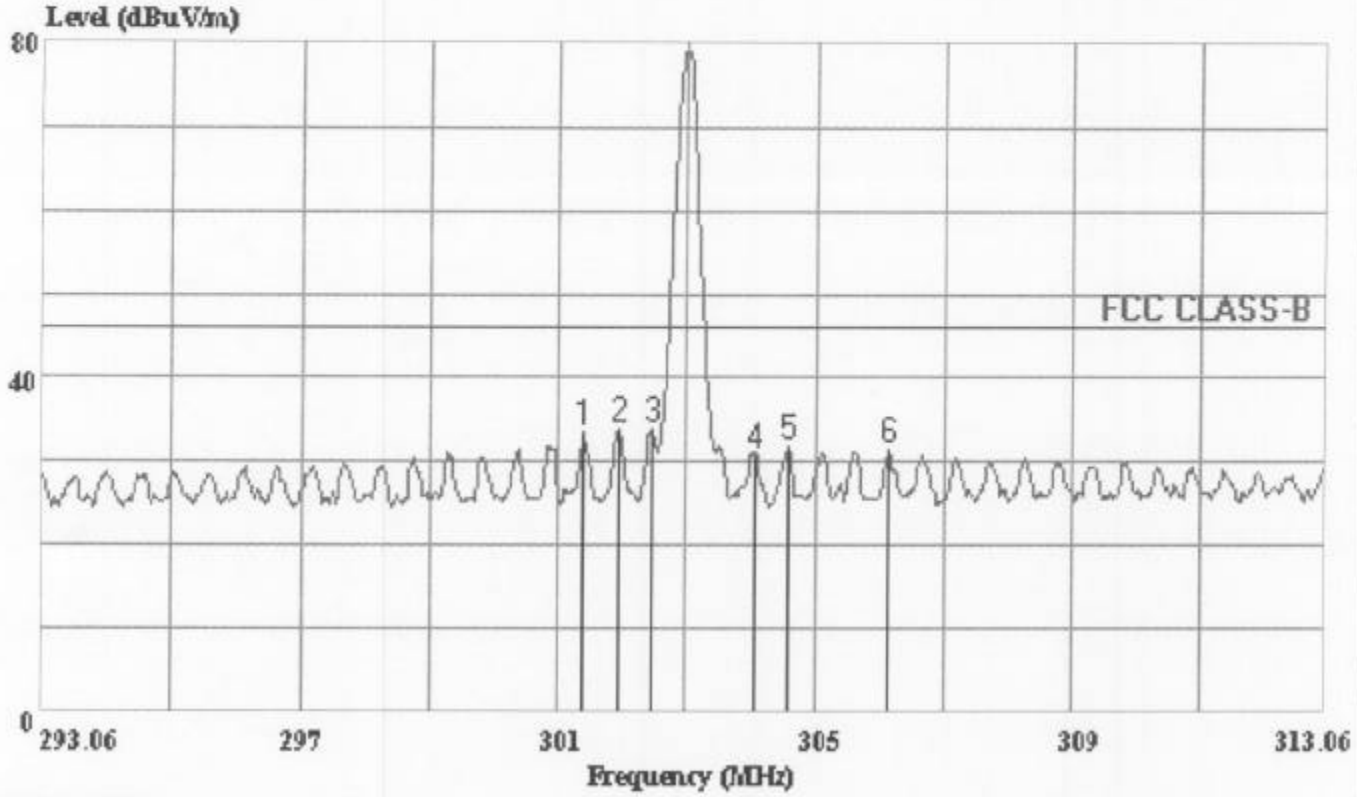
Data#: 5 File#: 00t0015.emi Date: 01-10-2000 Time: 13:01:07



(Audix ATC)

Trace: 1 Ref Trace:

Condition: FCC CLASS-B 3m A_BILOG (CBL6112) HORIZONTAL
Project # : : 00T0015
Report # : : 000110A1
Test Engineer : : Ronny & Thu
Company : : Audiovox Corp.
EUT Description : : 302Mhz Car Alarm RX, M/N: AA-939
Test Configuration :: EUT/Signal Generator
Mode of Operation : : Normal

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	Freq	Read Level	Probe Factor	Cable Loss	Preamp Factor	Factor	Level	Limit Line	Over Limit	Ant Pos	Remark
	MHz	dBuV	dB	dB	dB	dB	dBuV/m	dBuV/m	dB	cm	
1	301.440	17.25	14.00	2.51	0.00	16.52	33.76	46.00	-12.24	---	Peak
2	302.000	17.26	14.02	2.52	0.00	16.53	33.80	46.00	-12.20	---	Peak
3	302.500	17.28	14.03	2.52	0.00	16.55	33.83	46.00	-12.17	---	Peak
4	304.120	14.38	14.08	2.53	0.00	16.60	30.99	46.00	-15.01	---	Peak
5	304.640	15.13	14.09	2.53	0.00	16.62	31.75	46.00	-14.25	---	Peak
6	306.200	14.94	14.13	2.54	0.00	16.67	31.61	46.00	-14.39	---	Peak

COMPLIANCE Engineering Service, Inc.
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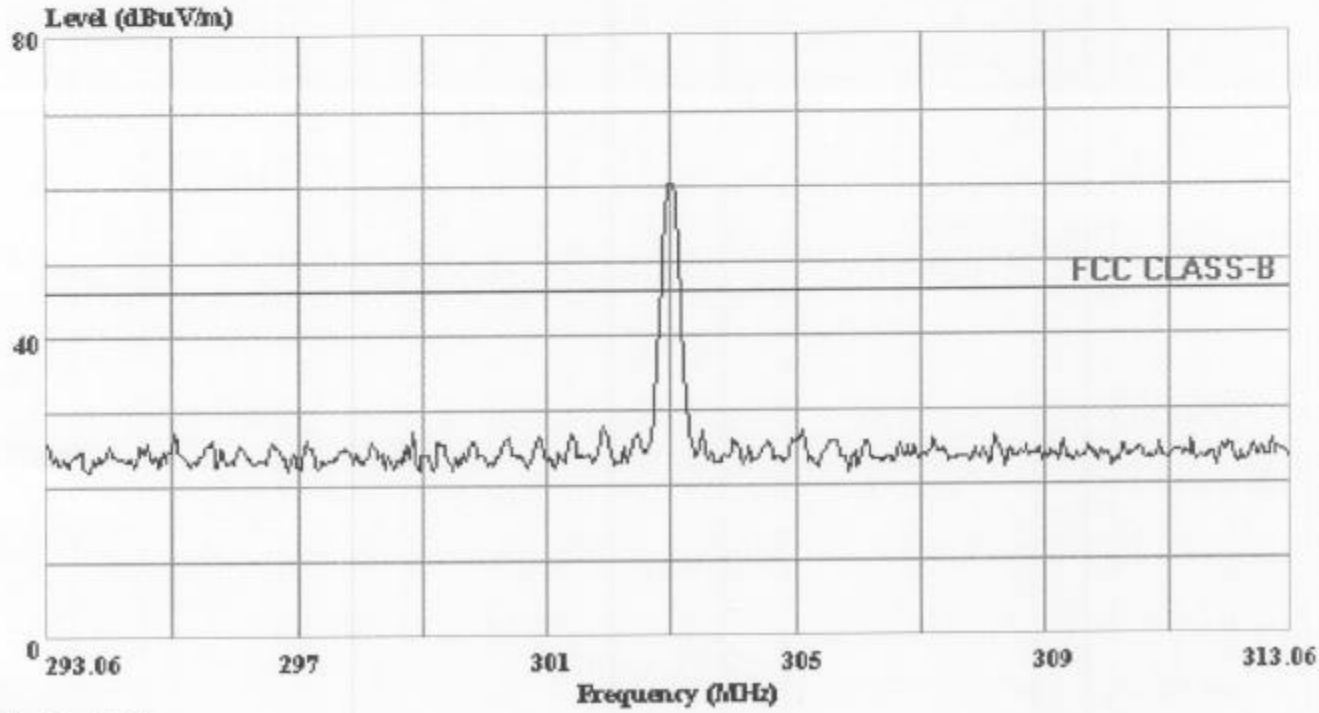
Data#: 2 File#: 00t0015.emi Date: 01-10-2000 Time: 12:59:32



(Audix ATC)
Trace: Ref Trace:

Condition: FCC CLASS-B 3m A_BILOG (CBL6112) VERTICAL
Project # : : 00T0015
Report # : : 000110A1
Test Engineer : : Ronny & Thu
Company : : Audiovox Corp.
EUT Description : : 302Mhz Car Alarm RX, M/N: AA-939
Test Configuration :: EUT/Signal Generator
Mode of Operation : : Normal

Compliance Engineering Services Inc.

Project No. : 00T0015
Report No. : 000110A1
Date : 01/10/2000
Time : 10:32
Test Engr : RONNY & THU

>> 3 M RADIATED EMISSION DATA <<

Company : AUDIOVOX CORPORATION
Equipment Under Test : 302MHZ CAR ALARM RX, M/N: AA-939
Test Configuration : EUT/SIGNAL GENERATOR
Type of Test : FCC CLASS B
Mode of Operation : NORMAL

Freq.	dBuV	PreAmp	Ant	Cable	dBuV/m	Limit	Margin	Pol	Hgt(m)	Az

No other emissions were found within 10dB below the limits from 30 - 2000Mhz.

Total # of data 0
V. a2.2