Application for FCC Certification
On behalf of

Shanghai Streamind Tech Inc.

Product Name: RoboMing

Model No.: RoboMing-*

FCC ID: 2AF3BROBO001

(MPE Calculation)

Prepared For : Shanghai Streamind Tech Inc.
South 5th Floor Bosideng Build, No.18, Zhengfu Road,
Yangpu District, Shanghai. China

Prepared By : Audix Technology (Shanghai) Co., Ltd.
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Report No. : ACI-F15198
Date of Test : Sep. 19, 2015
Date of Report : Nov. 02, 2015

TABLE OF CONTENTS

Page

TEST REPORT FOR FCC CERTIFICATE

Applicant : Shanghai Streamind Tech Inc.

Manufacturer : Shanghai Streamind Tech Inc.

EUT Description : Visit Smart Hub

(A) Model No. : RoboMing-*,

(B) Power Supply : AC 120V/60Hz

(C) Test Voltage : AC 120V/60Hz

Test Procedure Used:

FCC OET Bulletin 65 August 1997

The device described above is tested by Audix Technology (Shanghai) Co., Ltd. to determine the maximum emission levels emanating from the device. The maximum emission levels are compared to the FCC OET Bulletin 65.

The test results are contained in this test report and Audix Technology (Shanghai) Co., Ltd. is assumed full responsibility for the accuracy and completeness of these measurements. This report also shows that the EUT (M/N: RoboMing-*), which was tested on Sep. 19, 2015 is technically compliance with the FCC limits.

This report applies to above tested sample only. This report shall not be reproduced in part without written approval of Audix Technology (Shanghai) Co., Ltd.

This report contains data that are not covered by the NVLAP accreditation.

This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government.

Date of Test : Oct. 28, 2015 Date of Report : Nov. 02, 2015

Producer : Alan He
ALAN HE / Assistant

Review : Sammy Chen
SAMMY CHEN/ Manager

AUDIX® For and on behalf of
Audix Technology (Shanghai) Co., Ltd.

Signatory :
Authorized Signature EMC BYRON KWO/Assistant General Manager

1 GENERAL INFORMATION

1.1 Description of Equipment Under Test

Description	:	RoboMing
Type of EUT		☑ Production ☐Pre-product ☐ Pro-type
Model Number	:	RoboMing-*
Note	:	The symbol "*" in the model name can be "I~IX", which stand for different appearance color.
Test Model	:	RoboMing-I
Radio Tech	:	Bluetooth 4.0 LE
Freq. Band	:	2402MHz ~ 2480MHz (Ch1-Ch40)
Tested Freq.	:	2402MHz (Ch1), 2440MHz (Ch20), 2480MHz (Ch40)
Modulation	:	GFSK
Antenna Gain	:	0 dBi
Test Mode	:	The EUT was set at continuous TX with duty cycle 100% during all the test in the report
Charger	:	Manufacturer : Shenzhen XINGUANYUDA Power of Science and Technology Co., Ltd M/N : XVE-2520200 Input : 100~240V~50/60Hz Output : 25.2V 2A
Applicant	:	Shanghai Streamind Tech Inc. South 5th Floor Bosideng Build, No.18, Zhengfu Road, Yangpu District, Shanghai. China
Manufacturer	:	Same as Applicant
Factory	:	Shanghai Yantai Tech Inc. 3rd Floor, Building B, No. 1051, Shengke Road, Jiading, District, Shanghai.

1.2 Description of Test Facility

Site Description (Semi-Anechoic Chamber) : Sept. 17, 1998 file on Jan. 15, 2015 Renewed
Federal Communications Commission
FCC Engineering Laboratory
7435 Oakland Mills Road
Columbia, MD 21046, USA

Name of Firm : Audix Technology (Shanghai) Co., Ltd.

Site Location : 3 F 34 Bldg 680 Guiping Rd.,
Caohejing Hi-Tech Park,
Shanghai 200233, China

FCC registration Number : 91789

Accredited by NVLAP, Lab Code : 200371-0

1.3 Measurement Uncertainty

Output Power Expanded Uncertainty : U = 1.56 dB

2 SUMMARY OF STANDARDS AND RESULTS

2.1 Applicable Standard

FCC OET Bulletin 65:1997

2.2 Specification Limits

Limits for General Population/Uncontrolled Exposure

Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/cm^2)	Averaging Time $|E|^2$, $|H|^2$ or S (minutes)
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	(180/f2)*	30
30-300	27.5	0.073	0.2	30
300-1500	--	--	f/150	30
1500-100,000	--	--	1.0	30

f = frequency in MHz *Plane-wave equivalent power density

NOTE: General population/uncontrolled exposures apply in situations in which the general public may be exposed, or in which persons that are exposed as a consequence of their employment may not be fully aware of the potential for exposure or can not exercise control over their exposure.

The limit value 1.0mW/cm^2 is available for this EUT.

2.3 MPE Calculation Method

$$S = PG/(4 \pi R^2)$$

$$R = [PG/(4 \pi S)]^{0.5}$$

where: S = power density (in appropriate units, e.g. mW/ cm^2)
P = power input to the antenna (in appropriate units, e.g., mW)
(the measured power value see Report: F13102 Section 5.6)
G = power gain of the antenna in the direction of interest relative to an isotropic radiator
R = distance to the center of radiation of the antenna (appropriate units, e.g., cm)

2.4 Calculated Result

2.4.1 Radio Frequency Radiation Exposure Evaluation

Frequency	Output Power to Antenna	Antenna Gain		Power Density	Limit
(MHz)	(mW)	(dBi)	(Numeric)	(mW/cm^2)	(mW/cm^2)
2402	0.150	0	1	0.0000299	1.0
2440	0.245	0	1	0.0000488	1.0
2480	0.340	0	1	0.0000677	1.0

Separation distance R= 20cm.

Frequency	Output Power to Antenna	Antenna Gain		Limit	Distance
(MHz)	(mW)	(dBi)	(Numeric)	(mW/cm^2)	(cm)
2402	0.150	0	1	1.0	0.11
2440	0.245	0	1	1.0	0.14
2480	0.340	0	1	1.0	0.16

The antenna used for this transmitter must be installed to provide a separation distance of at least 0.16cm from all persons.