RF EXPOSURE

EXEMPT REPORT

APPLICANT	:	AIRIA Brands Inc.
PRODUCT NAME	:	Wall Control for HRV unit P/N: 99-MX01
MODEL NAME	:	99-MX01
BRAND NAME	:	LIFEBREATH
FCC ID	:	2AS6RMX01
STANDARD(S)	:	47CFR 2.1093 KDB 447498
RECEIPT DATE	:	2019-04-29
TEST DATE	:	2019-04-29
ISSUE DATE	:	2019-04-29

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DIRECTORY

Change History		
Version	**Date**	**Reason for change**
1.0	2019-04-29	First edition

1. Technical Information

Note: Provide by manufacturer.

1.1 Applicant and Manufacturer Information

Applicant:	AIRIA Brands Inc.
Applicant Address:	511 McCormick Blvd London，ON N5W 4C8 Canada
Manufacturer:	AIRIA Brands Inc.
Manufacturer Address:	511 McCormick Blvd London，ON N5W 4C8 Canada

1.2 Equipment Under Test (EUT) Description

EUT Type:	Wall Control for HRV unit P/N: 99-MX01
Hardware Version:	REV3
Software Version:	SW_99-MX01_V3
Frequency Bands:	2466MHz
Modulation Mode:	GFSK
Antenna Type:	PCB antenna
Antenna Gain:	0dBi

Note:

There are two types of color of this device, black and white, the black one was used for full testing in the report.

1.3 Identification of all used EUT

The EUT identity consists of numerical and letter characters, the letter character indicates the test sample, and the following two numerical characters indicate the software version of the test sample.

EUT Identity	Hardware Version	Software Version
1#	REV3	SW_99-MX01_V3

1.4 Applied Reference Documents

Leading reference documents for testing:

No.	Identity	Document Title
1	47 CFR§2.1093	Radio Frequency Radiation Exposure Evaluation: portable devices
2	KDB 447498 D01v06	General RF Exposure Guidance

2. Device Category and RF Exposure Limit

Per user manual, this device is a Wall Control for HRV unit P/N: 99-MX01. Based on 47CFR 2.1093, this device belongs to portable device category with General Population/Uncontrolled exposure.

Portable Devices:

47CFR 2.1093(b)

For purposes of this section, a portable device is defined as a transmitting device designed to be used so that the radiating structure(s) of the device is/are within 20 centimeters of the body of the user.

GENERAL POPULATION / UNCONTROLLED EXPOSURE

47CFR 2.1093(d) (2)

Limits for General Population/Uncontrolled exposure: 0.08 W/kg as averaged over the whole-body and spatial peak SAR not exceeding 1.6 W/kg as averaged over any 1 gram of tissue (defined as a tissue volume in the shape of a cube). Exceptions are the hands, wrists, feet and ankles where the spatial peak SAR shall not exceed 4 W/kg, as averaged over any 10 grams of tissue (defined as a tissue volume in the shape of a cube). General Population/Uncontrolled limits apply when the general public may be exposed, or when persons that are exposed as a consequence of their employment may not be fully aware of the potential for exposure or do not exercise control over their exposure. Warning labels placed on consumer devices such as cellular telephones will not be sufficient reason to allow these devices to be evaluated subject to limits for occupational/controlled exposure in paragraph (d)(1) of this section.

3. Measurement of RF Output Power

1. 2.4G output power

Mode	Frequency (MHz)	Average power (dBm)
2.4G	2466	2.61
Tune-up Limit		3.0

Note: According to KDB 447498 Section 4.3, SAR test exclusion conditions are based on source-based time-averaged maximum conducted output power of the RF channel requiring evaluation, adjusted for tune-up tolerance, and the minimum test separation distance required for the exposure conditions.

4. RF Exposure Evaluation

Standalone transmission SAR evaluation:

1. According to KDB 447498 section 4.3.1, the 1-g SAR test exclusion thresholds at test separation Distances≤ 50 mm are determined by:
   [(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)]·[√f(GHz)] ≤ 3.0.
2. The maximum source-based time-averaged including tune-up limit is 2.0mW @ 2.466GHz. When the Wall Control for HRV unit P/N: 99-MX01 is used on hand/head, **5mm** as the most conservative minimum test separation distance was used for evaluating, [(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)]·[√f(GHz)] =**0.63**≤3.0, Therefore SAR evaluation is not required for this device.

Simultaneous SAR evaluation:

This device only incorporates a Wall Control for HRV unit P/N: 99-MX01, Therefore simultaneous SAR evaluation is not required.

Annex A General Information

1. Identification of the Responsible Testing Laboratory

Laboratory Name:	Shenzhen Morlab Communications Technology Co., Ltd.Morlab Laboratory
Laboratory Address:	FL.3, Building A, FeiYang Science Park, No.8 LongChang Road, Block 67, BaoAn District, ShenZhen, GuangDong Province, P. R. China
Telephone:	+86 755 36698555
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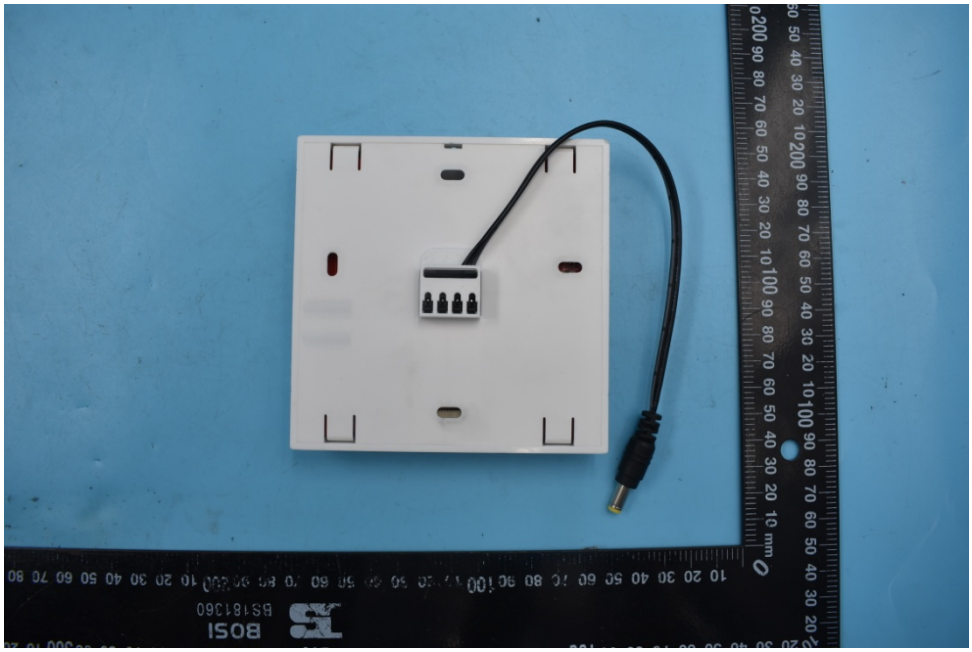
2. Identification of the Responsible Testing Location

Name:	Shenzhen Morlab Communications Technology Co., Ltd. Morlab Laboratory
Address:	FL.3, Building A, FeiYang Science Park, No.8 LongChang Road, Block 67, BaoAn District, ShenZhen, GuangDong Province, P. R. China

Annex B Photographs of the EUT

1. EUT Front View

2. EUT Back View



END OF REPORT