

## RF Exposure Report

**Report No.:** SA161124D18

**FCC ID:** 2AJAA-WV5TA5

**Test Model:** LifeStream Home

**Received Date:** Nov. 24, 2016

**Test Date:** Dec. 9 ~ 14, 2016

**Issued Date:** Jan. 18, 2017

**Applicant:** DONGGUAN MEILOON ACOUSTIC EQUIPMENTS CO., LTD.

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**Issued By:** Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch

**Lab Address:** No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan (R.O.C.)



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### Release Control Record

Issue No.	Description	Date Issued
SA161124D18	Original release.	Jan. 18, 2017

## 1 Certificate of Conformity

**Product:** LifeStream (Bluetooth Speaker)

**Brand:** AURORA

**Test Model:** LifeStream Home

**Sample Status:** Engineering sample

**Applicant:** DONGGUAN MEILOON ACOUSTIC EQUIPMENTS CO., LTD.

**Test Date:** Dec. 9 ~ 14, 2016

**Standards:** FCC Part 2 (Section 2.1091)

KDB 447498 D03

KDB 447498 D01

IEEE C95.1

The above equipment has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's EMC characteristics under the conditions specified in this report.

**Prepared by :**

*Annie Chang*

, **Date:** Jan. 18, 2017

Annie Chang / Senior Specialist

**Approved by :**

*Rex Lai*

, **Date:** Jan. 18, 2017

Rex Lai / Assistant Manager

## 2 RF Exposure

### 2.1 Limits For Maximum Permissible Exposure (MPE)

Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (mW/cm <sup>2</sup> )	Average Time (minutes)
Limits For General Population / Uncontrolled Exposure				
300-1500	...	...	F/1500	30
1500-100,000	...	...	1.0	30

F = Frequency in MHz

### 2.2 MPE Calculation Formula

$$Pd = (Pout * G) / (4 * \pi * r^2)$$

where

Pd = power density in mW/cm<sup>2</sup>

Pout = output power to antenna in mW

G = gain of antenna in linear scale

Pi = 3.1416

R = distance between observation point and center of the radiator in cm

### 2.3 Classification

The antenna of this product, under normal use condition, is at least 20cm away from the body of the user.  
So, this device is classified as **Mobile Device**.

### 3 Calculation Result Of Maximum Conducted Power

Function	Frequency Band (MHz)	Max Power (dBm)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm <sup>2</sup> )	Limit (mW/cm <sup>2</sup> )
Bluetooth LE (EUT)	2402 ~ 2480	7.42	2.03	20	0.0018	1
Bluetooth EDR (EUT)	2402 ~ 2480	7.69	2.03	20	0.0019	1
WLAN (play-fi module FCC ID: 2AAWQ-CAPRICA2L)	2412 ~ 2462	22.97	2.27	20	0.0665	1
	5180 ~ 5240	12.43	2.84	20	0.0067	1
	5260 ~ 5320	12.85	3.00	20	0.0077	1
	5500 ~ 5700	13.75	4.95	20	0.0147	1
	5745 ~ 5825	13.87	5.48	20	0.0171	1

**Note:** BT and WLAN modules cannot transmit simultaneously.

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