

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

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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 ²)	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/cm²

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 ²)	Limit (mW/cm ²)
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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