Report No.: DDT-R18121807-1E3

Issued Date: Jan. 15, 2019

RF EXPOSURE REPORT

FOR

Applicant	**:**	ION Audio, LLC
Address	**:**	200 Scenic View Drive, Cumberland, RI 02864 U.S.A.
Equipment under Test	**:**	Wireless Outdoor Rock Speaker (pair) for model SOUND STONE 2, Wireless Solar LED Rechargeable Speaker (pair) for model GLOW STONE SOLAR
Model No.	**:**	SOUND STONE 2, GLOW STONE SOLAR
Trade Mark	**:**	ION
Project Code	**:**	iSP111, iSP114S
FCC ID	**:**	2AB3E- ISP114S
IC	**:**	10541A-ISP114S
Manufacturer	**:**	ION Audio, LLC
Address	**:**	200 Scenic View Drive, Cumberland, RI 02864 U.S.A.

Issued By: Dongguan Dongdian Testing Service Co., Ltd.

Add: No. 17, Zongbu Road 2, Songshan Lake Sci&Tech, Industry Park, Dongguan City, Guangdong Province, China, 523808

Tel: +86-0769-38826678, **E-mail:** ddt@dgddt.com, http://www.dgddt.com

REPORT

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TEST REPORT DECLARE

Applicant	:	ION Audio, LLC
Address	:	200 Scenic View Drive, Cumberland, RI 02864 U.S.A.
Equipment under Test	:	Wireless Outdoor Rock Speaker (pair) for model SOUND STONE 2, Wireless Solar LED Rechargeable Speaker (pair) for model GLOW STONE SOLAR
Model No.	:	SOUND STONE 2, GLOW STONE SOLAR
Trade mark	:	ION
Manufacturer	:	ION Audio, LLC
Address	:	200 Scenic View Drive, Cumberland, RI 02864 U.S.A.

Standard Used: KDB447498 D01 General RF Exposure Guidance v06

We Declare:

The equipment described above is assessed by Dongguan Dongdian Testing Service Co., Ltd and in the configuration assessed the equipment complied with the standards specified above. The assessed results are contained in this report and Dongguan Dongdian Testing Service Co., Ltd is assumed of full responsibility for the accuracy and completeness of these assess.

After evaluation, our opinion is that the equipment In Accordance with above standard.

Report No:	DDT-R18121807-1E3		
Date of Receipt:	Dec. 21, 2018	**Date of Test:**	Dec. 21, 2018 ~ Jan. 14, 2019

Prepared By:

Sam Li

Sam Li/Engineer

Approved By:

DONGGUAN DONGDIAN TESTING SERVICE CO., LTD. DONG DIAN TESTING DDT APPROVED

Damon Hu

Damon Hu/EMC Manager

Note: This report applies to above tested sample only. This report shall not be reproduced in parts without written approval of Dongguan Dongdian Testing Service Co., Ltd.

Revision history

Rev.	Revisions	Issue Date	Revised By
---	Initial issue	Jan. 15, 2018	

1. General information

1.1. Description of Equipment

EUT* Name	:	Wireless Outdoor Rock Speaker (pair) for model SOUND STONE 2, Wireless Solar LED Rechargeable Speaker (pair) for model GLOW STONE SOLAR
Model Number	:	SOUND STONE 2, GLOW STONE SOLAR
Difference of model number	:	Model SOUND STONE 2 no solar energy, Model GLOW STONE SOLAR have solar energy, All models are identical except the appearance and model number, therefore the test performed on the model GLOW STONE SOLAR.
EUT function description	:	Please reference user manual of this device
Power supply	:	DC 5V from external AC Adapter DC 3.7V 2000mAh built-in battery
Radio Specification	:	Bluetooth V5.0
Operation frequency	:	2402MHz-2480MHz
Modulation	:	GFSK, π/4-DQPSK
Data rate	:	1Mbps, 2Mbps
Antenna Type	:	Integral PCB antenna, maximum PK gain: -0.58dBi
Sample Type	:	Series production

1.2. Assess laboratory

Dongguan Dongdian Testing Service Co., Ltd.

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2. RF Exposure evaluation for FCC

According to 447498 D01 General RF Exposure Guidance v06

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz 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 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where:

f(GHz) is the RF channel transmit frequency in GHz

Power and distance are rounded to the nearest mW and mm before calculation

The result is rounded to one decimal place for comparison

Worse case is as below: [2480MHz, 3.96dBm 2.49mW) output power]

(2.49/5) ·[√2.480(GHz)] =0.784<3.0 for 1-g SAR

Then SAR evaluation is not required

END OF REPORT