

RF EXPOSURE REPORT

FOR

Applicant	:	SHENZHEN FENDA TECHNOLOGY CO., LTD.
Address	:	Fenda Hi-Tech Park, Zhoushi Road, Shiyan, Baoan, Shenzhen, China 518108
Equipment under Test	:	onn.2.0 Large Indoor Speaker
Model No.	:	AAAGRY100006902
Trade Mark	:	onn.
FCC ID	:	HBOWT2026
Manufacturer	:	SHENZHEN FENDA TECHNOLOGY CO., LTD.
Address	:	Fenda Hi-Tech Park, Zhoushi Road, Shiyan, Baoan, Shenzhen, China 518108

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

Add: No. 17, Zongbu Road 2, Songshan Lake Sci&Tech, Industry Park, Dongguan
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REPORT

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TEST REPORT DECLARE

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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-R19111912-1E3		
Date of Receipt:	Nov. 20, 2019	Date of Test:	Nov. 20, 2019 ~ Dec. 02, 2019

Prepared By:

Ella Gong
Ella Gong/Engineer

Approved By:


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	Dec. 02, 2019	

1. General information

1.1. Description of Equipment

EUT* Name	: onn.2.0 Large Indoor Speaker
Model Number	: AAAGRY100006902
EUT function description	: Please reference user manual of this device
Power supply	: DC 7.4V by battery or DC 5V by USB
Radio Specification	: Bluetooth V4.2
Operation frequency	: 2402MHz-2480MHz
Modulation	: GFSK, $\pi/4$ -DQPSK, 8DPSK
Data rate	: 1 Mbps, 2 Mbps, 3 Mbps
Antenna Type	: Integral PCB antenna, maximum PK gain: 1.55 dBi
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:

$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where:

$f(\text{GHz})$ 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: [2402MHz, 5.01dBm 3.17 mW) output power]

$(3.17/5) \cdot [\sqrt{2.402(\text{GHz})}] = 0.983 < 3.0$ for 1-g SAR

Then SAR evaluation is not required

END OF REPORT