Report No.: DDT-R21041308-4E04

Issued Date: May 17, 2021

RF EXPOSURE REPORT

FOR

Applicant	:	Dongguan Hying Digital Technology Co., ltd.
Address	:	No.16, Building 35, Sanjiang Industrial Zone, Hengli Town, Dongguan City
Equipment under Test	:	Game speakers
Model No.	:	HY101
Trade Mark	:	N/A
FCC ID	:	2AZW4-HY101
Manufacturer	:	Dongguan Hying Digital Technology Co., ltd.
Address	:	No.16, Building 35, Sanjiang Industrial Zone, Hengli Town, Dongguan City

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

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TEST REPORT DECLARE

Applicant	:	Dongguan Hying Digital Technology Co., ltd.
Address	:	No.16, Building 35, Sanjiang Industrial Zone, Hengli Town, Dongguan City
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Manufacturer	:	Dongguan Hying Digital Technology Co., ltd.
Address	:	No.16, Building 35, Sanjiang Industrial Zone, Hengli Town, Dongguan City

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-R21041308-4E04		
Date of Receipt:	May 12, 2021	**Date of Test:**	May 12, 2021 ~ May 17, 2021

Prepared By:

Johnny Wang

Johnny Wang/Engineer

Approved By:

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

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	May 17, 2021	

1. General information

1.1. Description of Equipment

EUT* Name	:	Game speakers
Model Number	:	HY101
EUT function description	:	Please reference user manual of this device
Power supply	:	DC 5V by external AC Adapter DC 3.7V by Polymer Li-ion built-in battery
Radio Specification	:	Bluetooth V5.0
Operation frequency	:	2402 MHz - 2480 MHz
Modulation	:	GFSK, π/4-DQPSK, 8DPSK
Data rate	:	1 Mbps, 2 Mbps, 3 Mbps
Antenna Type	:	PCB antenna, maximum PK gain: 2 dBi
Sample Type	:	N/A

1.2. Assess laboratory

Dongguan Dongdian Testing Service Co., Ltd.

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2. RF Exposure evaluation

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

[2402MHz, 3 dBm, 2.00 mW(Tune up power)]

(2.00/5) ·[√2.402(GHz)] =0.62<3.0 for 1-g SAR

Worse case is as below: [2402MHz, 2.52 dBm, 1.787 mW (output power)]

(1.787/5) ·[√2.402(GHz)] =0.55<3.0 for 1-g SAR

Then SAR evaluation is not required

END OF REPORT