Report No.: DDT-R21070707-2E04

Issued Date: Aug. 20, 2021

RF EXPOSURE REPORT

FOR

Applicant	:	Dongguan Hying Digital Technology Co., ltd.
Address	:	No.18 (Building 77), Second Road, Sanjiang Industrial Zone, Hengli Town, Dongguan city
Equipment under Test	:	Speaker
Model No.	:	HY103, CH186
Trade Mark	:	Hying Nice Dream, LUMUSO, ODK, Dohoii
FCC ID	:	2AZW4-CH186
Manufacturer	:	Dongguan Hying Digital Technology Co., ltd.
Address	:	No.18 (Building 77), Second Road, 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

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REPORT

Table of Contents

Test report declares.....3
1. General information..... 5
1.1. Description of Equipment..... 5
1.2. Assess laboratory..... 5
2. RF Exposure evaluation..... 5

TEST REPORT DECLARE

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Address	:	No.18 (Building 77), Second Road, 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-R21070707-2E04		
Date of Receipt:	Jul. 23, 2021	**Date of Test:**	Jul. 23, 2021~ Aug. 17, 2021

Prepared By: ***Approved By:***

Johnny Wang Damon Hu

Johnny Wang/Engineer ***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	Aug. 20, 2021	

1. General information

1.1. Description of Equipment

EUT* Name	:	Speaker
Model Number	:	HY103, CH186
Model difference	:	Only the model is different, there is no other difference. So, choose HY103 to test.
EUT function description	:	Please reference user manual of this device
Power supply	:	DC 5V by external AC Adapter or 3.7V built-in lithium 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 Gain	:	2 dBi
Serial Number	:	N/A

1.2. Assess laboratory

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, http://www.dgddt.com, Email: ddt@dgddt.com.

CNAS Accreditation No. L6451; A2LA Accreditation Number: 3870.01

FCC Designation Number: CN1182, Test Firm Registration Number: 540522

Innovation, Science and Economic Development Canada Site Registration Number: 10288A

Conformity Assessment Body identifier: CN0048

VCCI facility registration number: C-20087, T-20088, R-20123, G-20118

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

Manufacturing Tolerance

GFSK (Peak)			
Channel	Channel 0	Channel 39	Channel 78
Target (dBm)	0	0	-1
Tolerance ±(dB)	1	1	1
π/4DQPSK (Peak)			
Channel	Channel 0	Channel 39	Channel 78
Target (dBm)	3	2	2
Tolerance ±(dB)	1	1	1
8DPSK (Peak)			
Channel	Channel 0	Channel 39	Channel 78
Target (dBm)	3	3	2
Tolerance ±(dB)	1	1	1

Estimtion Result

Worse case is as below: [2402 MHz, 4 dBm, 2.51 mW) output power]

$(2.51/5) \cdot [\sqrt{2.402(GHz)}] = 0.78 < 3.0$ for 1-g SAR

Then SAR evaluation is not required

END OF REPORT