

RF EXPOSURE REPORT

FOR

Applicant	:	Specialthing International Co, Ltd
Address	:	Unit 7, 7/F, Block A , Veristrong Industrial Centre, 34-36 Au Pui Wan Street, Fotan, Shatin, NT, Hong Kong
Equipment under Test	:	Level Dependent Headset with Bluetooth & Aux-in Jack
Model No.	:	HH-325BHJ, GEA-TE10420
Trade Mark	:	 , SPG, EAR, DR. OWL, SPORTS
FCC ID	:	WYQHH325
Manufacturer	:	Specialthing International Co, Ltd
Address	:	Unit 7, 7/F, Block A , Veristrong Industrial Centre, 34-36 Au Pui Wan Street, Fotan, Shatin, NT, Hong Kong

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

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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-R21081013-2E04		
Date of Receipt:	Aug. 12, 2021	Date of Test:	Aug. 12, 2021 ~ Jan. 25, 2022

Prepared By:

Jacky Huang

Jacky Huang/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	Mar. 08, 2022	

1. General information

1.1. Description of Equipment

EUT* Name	: Level Dependent Headset with Bluetooth & Aux-in Jack
Model Number	: HH-325BHJ, GEA-TE10420
Difference of models	: Above models are identical in schematic and structure, only the name and colour are different for all the models, therefore the test performed on the model HH-325BHJ.
EUT Function Description	: Please reference user manual of this device
Power Supply	: DC 5V power by an external adapter or 500mAH Tailor-made Lithium Battery or 2 x "AAA" sized batteries
Radio Specification	: Bluetooth V5.0
Operation Frequency	: 2402 MHz - 2480 MHz
Modulation	: GFSK, $\pi/4$ -DQPSK
Data Rate	: 1 Mbps, 2 Mbps
Antenna Gain	: Maximum PK gain: 1.85 dBi
Sample Type	: Series production
Series Number	: N/A

1.2. Assess laboratory

Dongguan Dongdian Testing Service Co., Ltd.

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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 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: [2480MHz, -4.55dBm 0.35mW) output power]

$(0.35/5) \cdot [\sqrt{2.480(\text{GHz})}] = 0.11 < 3.0$ for 1-g SAR

Then SAR evaluation is not required

END OF REPORT