Report No.: DDT-R22122107-1E03

Issued Date: Jan. 10, 2023

RF EXPOSURE REPORT

FOR

Applicant	:	Edifier International Limited
Address	:	P. O. Box 6264 General Post Office Hong Kong
Equipment under Test	:	Portable Bluetooth Speaker
Model No.	:	EDF100065
Trade Mark	:	EDIFIER
FCC ID	:	Z9G-EDF199
IC	:	10004A-EDF199
Manufacturer	:	Beijing Edifier Technology Co., Ltd.
Address	:	8th floor, ZuoAn Building, NO.68 BeiSiHuanXiLu, Haidian District, Beijing 100080, CHINA

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

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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-R22122107-1E03		
Date of Receipt:	Dec. 23, 2022	**Date of Test:**	Dec. 23, 2022 ~ Jan. 09, 2023

Prepared By:

Jacky Huang

Jacky Huang/Engineer

Approved By:

DONGGUAN DONGDIAN TESTING SERVICE CO., LTD. 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. 10, 2023	

1. General information

1.1. Description of Equipment

EUT* Name	:	Portable Bluetooth Speaker
Model Number	:	EDF100065
EUT function description	:	Please reference user manual of this device
Power supply	:	Powered by DC 5V adapter, or 3.7V built-in lithium battery
Radio Specification	:	Bluetooth V5.3
Operation frequency	:	2402MHz-2480MHz
Modulation	:	GFSK, π/4-DQPSK
Data Rate	:	1 Mbps, 2 Mbps
Antenna Type	:	PCB antenna, maximum PK gain: 0.38 dBi
Sample Number	:	S22122107-04 for radiation, S22122107-03 for conductive

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, R-20155, G-20118

2. RF Exposure evaluation

2.1. Requirement

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

2.2. Estimation Result

Manufacturing Tolerance

BT

GFSK (Peak)			
Channel	Channel 0	Channel 39	Channel 78
Target (dBm)	0.0	0.5	1.0
Tolerance ±(dB)	1.5	1.5	1.5
π/4DQPSK (Peak)			
Channel	Channel 0	Channel 39	Channel 78
Target (dBm)	0.0	1.0	2.0
Tolerance ±(dB)	1.5	1.5	1.5

BLE

GFSK (Peak)			
Channel	Channel 0	Channel 39	Channel 78
Target (dBm)	0.0	0.5	1.0
Tolerance ±(dB)	1.5	1.5	1.5

Estimation Result

Worse case is as below: [2480 MHz, 3.5 dBm, 2.24 mW) output power]

(2.24/5) ·[√2.480(GHz)] = 0.71 < 3.0 for 1-g SAR

Then SAR evaluation is not required

END OF REPORT