



■ Report No.: DDT-R21041414-5E5

■ Issued Date: May. 07, 2021

## RF EXPOSURE REPORT

### FOR

<b>Applicant</b>	:	Edifier International Limited
<b>Address</b>	:	P.O. Box 6264 General Post Office Hong Kong
<b>Equipment under Test</b>	:	True Wireless Stereo Earbuds with Active Noise Cancellation
<b>Model No.</b>	:	EDF200051
<b>Trade Mark</b>	:	EDIFIER
<b>FCC ID</b>	:	Z9G-EDF143
<b>Manufacturer</b>	:	Beijing Edifier Technology Co., Ltd.
<b>Address</b>	:	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

### 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 for FCC.....	5

## TEST REPORT DECLARE

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<b>Model No.</b>	:	EDF200051
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<b>Manufacturer</b>	:	Beijing Edifier Technology Co., Ltd.
<b>Address</b>	:	8th floor, ZuoAn Building, NO.68 BeiSiHuanXiLu, Haidian District, Beijing 100080, CHINA
<b>Factory</b>	:	Dongguan Edifier Technology Co., Ltd.
<b>Address</b>	:	No.2 Gongyedong Road, Songshan Lake Sci&Tech Industry Park, Dongguan, Guangdong 523808, P.R. China

**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.**

<b>Report No:</b>	DDT-R21041414-5E5		
<b>Date of Receipt:</b>	Apr. 19, 2021	<b>Date of Test:</b>	Apr. 19, 2021 ~ May. 07, 2021

**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	May. 07, 2021	

## 1. General information

### 1.1. Description of Equipment

EUT* Name	: True Wireless Stereo Earbuds with Active Noise Cancellation
Model Number	: EDF200051
Difference between Left and right earphones	: There is no difference except the PCB layout of left and right.
EUT Function Description	: Please reference user manual of this device
Power Supply	: For Earbuds: Input: 5V DC 200mA, (built-in (3,7V 40mAh) button cell and charged through the charging case For Charging case: Input: 5V DC 1A (built-in (3.7V 500mAh) Li-ion Polymer rechargeable battery and charged through the type-C USB port)
Radio Specification	: Bluetooth V5.0
Operation Frequency	: 2402 MHz - 2480 MHz
Modulation	: GFSK, $\pi/4$ -DQPSK, 8DPSK
Data Rate	: 1 Mbps, 2 Mbps, 3 Mbps
Antenna Type	: Left side: FPC antenna, maximum PK gain: -0.3 dBi Right side: FPC antenna, maximum PK gain: -2.4 dBi
Sample Type	: 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 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  $\leq 50$  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  $\leq 7.5$  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

### 3. Estimation Result

Worse case is as below: [2480MHz, 2.53 dBm, 1.79 mW) output power]

$(1.79/5) \cdot [\sqrt{2.402(\text{GHz})}] = 0.55 < 3.0$  for 1-g SAR

Then SAR evaluation is not required

**END OF REPORT**