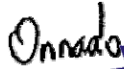


# TEST REPORT

|                                        |                                                                                                                                                     |                                                                                       |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| FCC ID. .... :                         | 2AFW2-B033C                                                                                                                                         |                                                                                       |
| Test Report No..... :                  | TCT220726E016                                                                                                                                       |                                                                                       |
| Date of issue..... :                   | Aug. 02, 2022                                                                                                                                       |                                                                                       |
| Testing laboratory .....               | SHENZHEN TONGCE TESTING LAB                                                                                                                         |                                                                                       |
| Testing location/ address:             | 2101 & 2201, Zhenchang Factory Renshan Industrial Zone, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, 518103, People's Republic of China |                                                                                       |
| Applicant's name..... :                | Shenzhen DZH Industrial Co., Ltd                                                                                                                    |                                                                                       |
| Address..... :                         | 3th Floor, YiTuo Mike Industrial A building, Bu Yong Industrial D zone, ShaJing, Shenzhen, China                                                    |                                                                                       |
| Manufacturer's name ... :              | Shenzhen DZH Industrial Co., Ltd                                                                                                                    |                                                                                       |
| Address..... :                         | 3th Floor, YiTuo Mike Industrial A building, Bu Yong Industrial D zone, ShaJing, Shenzhen, China                                                    |                                                                                       |
| Standard(s) .....                      | FCC CFR Title 47 Part 1.1307<br>KDB 447498 D04 Interim General RF Exposure Guidance v01                                                             |                                                                                       |
| Test item description .....            | Bluetooth Keyboard                                                                                                                                  |                                                                                       |
| Trade Mark .....                       | N/A                                                                                                                                                 |                                                                                       |
| Model/Type reference..... :            | B033C                                                                                                                                               |                                                                                       |
| Rating(s) .....                        | Rechargeable Li-ion Battery DC 3.7V                                                                                                                 |                                                                                       |
| Date of receipt of test item .....     | Jul. 26, 2022                                                                                                                                       |                                                                                       |
| Date (s) of performance of test..... : | Jul. 26, 2022 - Aug. 02, 2022                                                                                                                       |                                                                                       |
| Tested by (+signature) ... :           | Onnado YE                                                                                                                                           |  |
| Check by (+signature).... :            | Beryl ZHAO                                                                                                                                          |  |
| Approved by (+signature):              | Tomsin                                                                                                                                              |  |

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## Table of Contents

|                                                   |          |
|---------------------------------------------------|----------|
| <b>1. General Product Information .....</b>       | <b>3</b> |
| 1.1. EUT description .....                        | 3        |
| 1.2. Model(s) list.....                           | 3        |
| <b>2. General Information.....</b>                | <b>4</b> |
| 2.1. Test environment and mode.....               | 4        |
| 2.2. Description of Support Units.....            | 4        |
| <b>3. Facilities and Accreditations .....</b>     | <b>5</b> |
| 3.1. Facilities .....                             | 5        |
| 3.2. Location .....                               | 5        |
| <b>4. Test Results and Measurement Data .....</b> | <b>6</b> |

## 1. General Product Information

### 1.1. EUT description

|                             |                                     |
|-----------------------------|-------------------------------------|
| Test item description ..... | Bluetooth Keyboard                  |
| Model/Type reference.....   | B033C                               |
| Sample Number.....          | TCT220726E015-0101                  |
| Operation Frequency .....   | 2402MHz~2480MHz                     |
| Modulation Type .....       | GFSK                                |
| Antenna Type.....           | PCB Antenna                         |
| Antenna Gain.....           | 0.55dBi                             |
| Rating(s) .....             | Rechargeable Li-ion Battery DC 3.7V |

Note: The antenna gain listed in this report is provided by applicant, and the test laboratory is not responsible for this parameter.

### 1.2. Model(s) list

None.

## 2. General Information

### 2.1. Test environment and mode

| Item                  | Normal condition                                          |
|-----------------------|-----------------------------------------------------------|
| Temperature           | +25°C                                                     |
| Voltage               | DC 3.7V                                                   |
| Humidity              | 56%                                                       |
| Atmospheric Pressure: | 1008 mbar                                                 |
| Test Mode:            |                                                           |
| Engineering mode:     | Keep the EUT in continuous transmitting by select channel |

### 2.2. Description of Support Units

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

| Equipment | Model No. | Serial No. | FCC ID | Trade Name |
|-----------|-----------|------------|--------|------------|
| /         | /         | /          | /      | /          |

### 3. Facilities and Accreditations

#### 3.1. Facilities

The test facility is recognized, certified, or accredited by the following organizations:

- FCC - Registration No.: 645098

SHENZHEN TONGCE TESTING LAB

Designation Number: CN1205

The testing lab has been registered and fully described in a report with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files.

- IC - Registration No.: 10668A-1

SHENZHEN TONGCE TESTING LAB

CAB identifier: CN0031

The testing lab has been recognized by Innovation, Science and Economic Development Canada for radio equipment testing.

#### 3.2. Location

SHENZHEN TONGCE TESTING LAB

Address: 2101 & 2201, Zhenchang Factory Renshan Industrial Zone, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, 518103, People's Republic of China

TEL: +86-755-27673339

## 4. Test Results and Measurement Data

### According to KDB 447498 D04 Interim General RF Exposure Guidance:

The SAR-based exemption formula of § 1.1307(b)(3)(i)(B), repeated here as Formula (B.2), applies for single fixed, mobile, and portable RF sources with available maximum time-averaged power or effective radiated power (ERP), whichever is greater, of less than or equal to the threshold  $P_{th}$  (mW).

This method shall only be used at separation distances from 0.5 cm to 40 cm and at frequencies from 0.3 GHz to 6 GHz (inclusive).  $P_{th}$  is given by Formula (B.2).

$$P_{th} (mW) = ERP_{20\text{ cm}} (d/20\text{ cm})^x \quad d \leq 20\text{ cm}$$

or

$$P_{th} (mW) = ERP_{20\text{ cm}} \quad 20\text{ cm} < d \leq 40\text{ cm}$$

(B.2)

where

$$x = -\log_{10}(60/ERP_{20\text{ cm}} \sqrt{f})$$

and  $f$  is in GHz,  $d$  is the separation distance (cm), and  $ERP_{20\text{ cm}}$  is per Formula (B.1).

The example values shown in Table B.2 are for illustration only.

Table B.2—Example Power Thresholds (mW)

| Frequency (MHz) | Distance (mm) |    |    |     |     |     |     |     |     |     |
|-----------------|---------------|----|----|-----|-----|-----|-----|-----|-----|-----|
|                 | 5             | 10 | 15 | 20  | 25  | 30  | 35  | 40  | 45  | 50  |
| 300             | 39            | 65 | 88 | 110 | 129 | 148 | 166 | 184 | 201 | 217 |
| 450             | 22            | 44 | 67 | 89  | 112 | 135 | 158 | 180 | 203 | 226 |
| 835             | 9             | 25 | 44 | 66  | 90  | 116 | 145 | 175 | 207 | 240 |
| 1900            | 3             | 12 | 26 | 44  | 66  | 92  | 122 | 157 | 195 | 236 |
| 2450            | 3             | 10 | 22 | 38  | 59  | 83  | 111 | 143 | 179 | 219 |
| 3600            | 2             | 8  | 18 | 32  | 49  | 71  | 96  | 125 | 158 | 195 |
| 5800            | 1             | 6  | 14 | 25  | 40  | 58  | 80  | 106 | 136 | 169 |

For the separation distance =5mm

Maximum Conducted Output Power and Max. ERP of product is as follow

For BDR+EDR:

| Modulation | Operate Frequency (MHz) | Maximum Conducted Output Power (dBm) | Antenna gain (dBi) | Max. ERP (dBm) | Tune up Power (dBm) | Max. Tune up Power (dBm) | Max. Tune up Power (mW) | Limit (mW) |
|------------|-------------------------|--------------------------------------|--------------------|----------------|---------------------|--------------------------|-------------------------|------------|
| GFSK       | 2402                    | -2.02                                | 0.55               | -1.47          | -2±1                | -1                       | 0.79                    | 3          |

**Result:**

Because the max tune up power is less than the exemption limit, so No SAR measurement is required.

**\*\*\*\*\*END OF REPORT\*\*\*\*\***