

# TEST REPORT

Report No.: BCTC2509165308-1E

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Applicant: Shenzhen Proud Tek Co., Ltd

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Product Name: RFID card

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Test Model: RFID card

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Tested Date: 2025-09-02 to 2025-09-08

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Issued Date: 2025-09-10

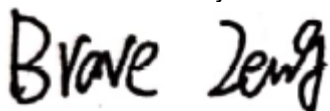
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Shenzhen BCTC Testing Co., Ltd.



Product Name: RFID card  
Trademark: N/A  
Model/Type reference: RFID card  
Prepared For: Shenzhen Proud Tek Co., Ltd  
Address: A2109, Zhantao Science & Technology Mansion, Minzhi Ave, Longhua district, Shenzhen, China  
Manufacturer: Shenzhen Proud Tek Co., Ltd  
Address: A2109, Zhantao Science & Technology Mansion, Minzhi Ave, Longhua district, Shenzhen, China  
Prepared By: Shenzhen BCTC Testing Co., Ltd.  
Address: 1-2/F., Building B, Pengzhou Industrial Park, No.158, Fuyuan 1st Road, Zhancheng, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, China  
Sample Received Date: 2025-09-02  
Sample tested Date: 2025-09-02 to 2025-09-08  
Issue Date: 2025-09-10  
Report No.: BCTC2509165308-1E  
Test Standards: EN IEC 62311:2020  
Test Results: PASS  
Remark: This is RED Health test report.

Tested by:



Brave Zeng/ Project Handler

Approved by:



Zero Zhou/Reviewer

The test report is effective only with both signature and specialized stamp. This result(s) shown in this report refer only to the sample(s) tested. Without written approval of Shenzhen BCTC Testing Co., Ltd, this report can't be reproduced except in full. The tested sample(s) and the sample information are provided by the client.

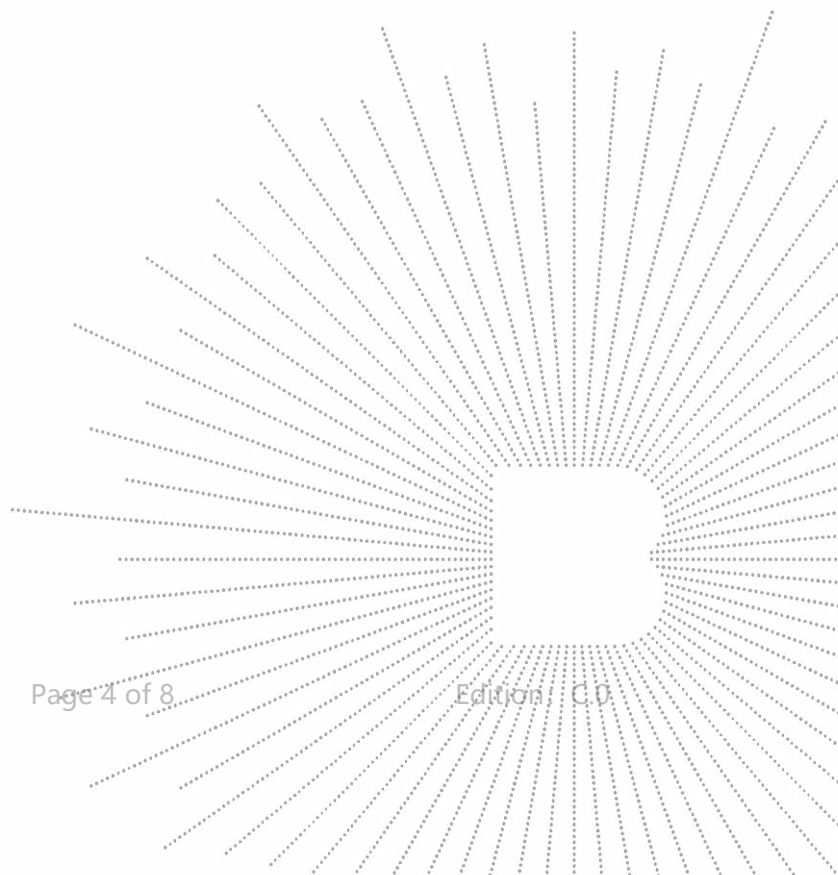
## Table Of Content

| Test Report Declaration                     | Page |
|---------------------------------------------|------|
| 1. Version .....                            | 4    |
| 2. Product Information And Test Setup ..... | 5    |
| 2.1 Product Information.....                | 5    |
| 3. Health Requirements.....                 | 6    |
| 3.1 Limits.....                             | 6    |
| 3.2 Exposure Evaluation .....               | 6    |
| 4. EUT Photographs.....                     | 7    |

(Note: N/A means not applicable)

**1. Version**

| Report No.        | Issue Date | Description | Approved |
|-------------------|------------|-------------|----------|
| BCTC2509165308-1E | 2025-09-10 | Original    | Valid    |
|                   |            |             |          |



## 2. Product Information And Test Setup

### 2.1 Product Information

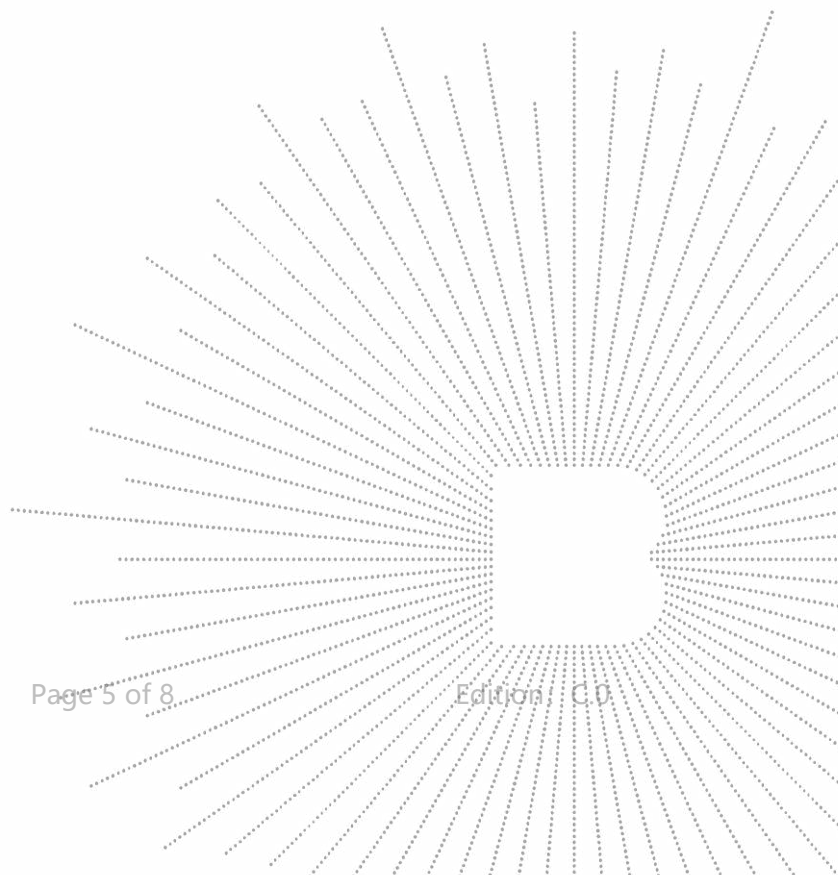
Model/Type reference: RFID card  
Model differences: N/A  
Technologies: Tagging systems  
Hardware Version: N/A  
Software Version: N/A  
Operation Frequency: 13.56MHz  
Antenna installation: Internal antenna  
Product Class: 1  
Antenna Gain: 0 dBi

Remark:

☒ The antenna gain of the product comes from the antenna report provided by the customer, and the test data is affected by the customer information.

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Ratings: N/A



### 3. Health Requirements

#### 3.1 Limits

According to Council Recommendation: the criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) radiation.

Reference levels for electric, magnetic and electromagnetic fields (0Hz to 300GHz, unperturbed RMS values)

| Frequency range | E-field strength (V/m) | H-field strength (A/m)  | B-field ( $\mu$ T)    | Equivalent plane wave power density Seq (W/m <sup>2</sup> ) |
|-----------------|------------------------|-------------------------|-----------------------|-------------------------------------------------------------|
| 0-1 Hz          | -                      | $3.2 \times 10^4$       | $4 \times 10^4$       | -                                                           |
| 1-8 Hz          | 10000                  | $3.2 \times 10^4 / f^2$ | $4 \times 10^4 / f^2$ | -                                                           |
| 8-25 Hz         | 10000                  | $4000 / f$              | $5000 / f$            | -                                                           |
| 0.025-0.8 kHz   | $250 / f$              | $4 / f$                 | $5 / f$               | -                                                           |
| 0.8-3 kHz       | $250 / f$              | 5                       | 6.25                  | -                                                           |
| 3-150 kHz       | 87                     | 5                       | 6.25                  | -                                                           |
| 0.15-1 MHz      | 87                     | $0.73 / f$              | $0.92 / f$            | -                                                           |
| 1-10 MHz        | $87 f^{1/2}$           | $0.73 / f$              | $0.92 / f$            | -                                                           |
| 10-400 MHz      | 28                     | 0.073                   | 0.095                 | 2                                                           |
| 400-2000 MHz    | $1.375 f^{1/2}$        | $0.0037 f^{1/2}$        | $0.0046 f^{1/2}$      | $f / 200$                                                   |
| 2-300 GHz       | 61                     | 0.16                    | 0.2                   | 10                                                          |

Note:

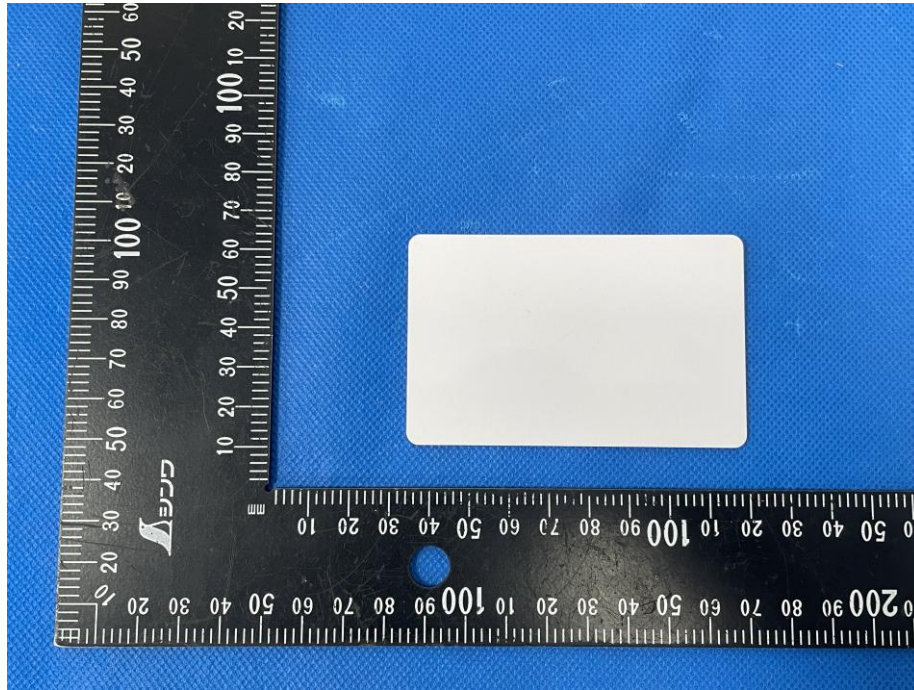
1. f as indicated in the frequency range column.
2. For frequencies between 100 kHz and 10 GHz, Seq, E<sup>2</sup>, H<sup>2</sup> and B<sup>2</sup> are to be averaged over any six-minute period.
3. For frequencies exceeding 10 GHz, Seq, E<sup>2</sup>, H<sup>2</sup> and B<sup>2</sup> are to be averaged over any  $68 / f^{1.05}$  minute period (f in GHz).

#### 3.2 Exposure Evaluation

This product is purely for receiving and can meet any requirements.

#### 4. EUT Photographs

EUT Photo 1



EUT Photo 2



**STATEMENT**

1. The equipment lists are traceable to the national reference standards.
2. The test report can not be partially copied unless prior written approval is issued from our lab.
3. The test report is invalid without the "special seal for inspection and testing".
4. The test report is invalid without the signature of the approver.
5. The test process and test result is only related to the Unit Under Test.
6. Sample information is provided by the client and the laboratory is not responsible for its authenticity.
7. The quality system of our laboratory is in accordance with ISO/IEC17025.
8. If there is any objection to this test report, the client should inform issuing laboratory within 15 days from the date of receiving test report.

**Address:**

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\*\*\*\*\* END \*\*\*\*\*