



| TEST REPORT                                            |                                                                                                                                                                                                                                                 |
|--------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EN50663:2017                                           |                                                                                                                                                                                                                                                 |
| Report Reference No.....                               | HTT202103347H                                                                                                                                                                                                                                   |
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| Supervised by<br>( position+printed name+signature)... | Owen Hu                                                                                                                                                                                                                                         |
| Approved by<br>( position+printed name+signature)...   | Kevin Yang                                                                                                                                                                                                                                      |
| Date of issue.....                                     | Mar.23,2021                                                                                                                                                                                                                                     |
| Testing Laboratory Name .....                          | Shenzhen HTT Technology Co., Ltd.                                                                                                                                                                                                               |
| Address.....                                           | 1F, B Building, Huafeng International Robotics Industrial Park,<br>Gushu, Xixiang Street, Bao'an District, Shenzhen                                                                                                                             |
| Applicant's name :                                     | Shenzhen Sycreader RFID Technology Co., Ltd.                                                                                                                                                                                                    |
| Address.....                                           | Rm.2001,20/F,Huichao Technology Building,Jinhai Road,<br>Xixiang Street,Baoan District,Shenzhen,China.                                                                                                                                          |
| Test specification                                     |                                                                                                                                                                                                                                                 |
| Standard .....                                         | EN50663:2017                                                                                                                                                                                                                                    |
| Test item description .....: barcode scanner           |                                                                                                                                                                                                                                                 |
| Trade Mark .....                                       | SYCREADER<br>Shenzhen Sycreader RFID Technology Co., Ltd.                                                                                                                                                                                       |
| Manufacturer .....                                     | Rm.2001,20/F,Huichao Technology Building,Jinhai Road,<br>Xixiang Street,Baoan District,Shenzhen,China.                                                                                                                                          |
| Model/Type reference.....                              | V2-W                                                                                                                                                                                                                                            |
| Serial Model.....                                      | S10, S20, S30, S40, S50, U1, U2, U3, U4, U5, U6, U7, U8, U9,<br>U10, U11, U12, U13, U14, V1, V2, V3, V4, V5, V6, V7, V8, V9, V10,<br>V11, V12, V13, V14, R26, R27, R28, R35, R36, R37, R45, R46,<br>R47, R48, R58, R59, R68, R69, R78, R79, R88 |
| Ratings.....                                           | DC 3.7V From Battery and DC 5V From External Circuit                                                                                                                                                                                            |
| Result.....                                            | PASS                                                                                                                                                                                                                                            |

**TEST REPORT**

|                          |                      |               |
|--------------------------|----------------------|---------------|
| <b>Test Report No. :</b> | <b>HTT202103347H</b> | Mar.23,2021   |
|                          |                      | Date of issue |

Equipment under Test : barcode scanner

Model Name : V2-W

Serial Model : S10, S20, S30, S40, S50, U1, U2, U3, U4, U5, U6, U7, U8, U9, U10, U11, U12, U13, U14, V1, V2, V3, V4, V5, V6, V7, V8, V9, V10, V11, V12, V13, V14, R26, R27, R28, R35, R36, R37, R45, R46, R47, R48, R58, R59, R68, R69, R78, R79, R88

Trade Mark : SYCREADER

**Applicant** : Shenzhen Sycreader RFID Technology Co., Ltd.

Address : Rm.2001,20/F,Huichao Technology Building,Jinhai Road,  
Xixiang Street,Baoan District,Shenzhen,China.

**Manufacturer** : Shenzhen Sycreader RFID Technology Co., Ltd.

Address : Rm.2001,20/F,Huichao Technology Building,Jinhai Road,  
Xixiang Street,Baoan District,Shenzhen,China.

|                    |             |
|--------------------|-------------|
| <b>Test Result</b> | <b>PASS</b> |
|--------------------|-------------|

The test report merely corresponds to the test sample.

It is not permitted to copy extracts of these test result without the written permission of the test laboratory.



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## 1. GENERAL INFORMATION

### 1.1 General Remarks

|                                |   |             |
|--------------------------------|---|-------------|
| Date of receipt of test sample | : | Mar.17,2021 |
| Testing commenced on           | : | Mar.17,2021 |
| Testing concluded on           | : | Mar.23,2021 |

### 1.2 Environmental conditions

During the measurement the environmental conditions were within the listed ranges:

|                     |            |
|---------------------|------------|
| Normal Temperature: | 25°C -35°C |
| Relative Humidity:  | 35%-55 %   |
| Air Pressure:       | 101 KPa    |

### 1.3 Product Description

|                       |                                                                                                                                                                                                                                        |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name:         | barcode scanner                                                                                                                                                                                                                        |
| Trade Mark:           | SYCREADER                                                                                                                                                                                                                              |
| Model/Type reference: | V2-W                                                                                                                                                                                                                                   |
| List Model:           | S10, S20, S30, S40, S50, U1, U2, U3, U4, U5, U6, U7, U8, U9, U10, U11, U12, U13, U14, V1, V2, V3, V4, V5, V6, V7, V8, V9, V10, V11, V12, V13, V14, R26, R27, R28, R35, R36, R37, R45, R46, R47, R48, R58, R59, R68, R69, R78, R79, R88 |
| Power supply:         | DC 3.7V From Battery and DC 5V From External Circuit                                                                                                                                                                                   |
| Modulation Type       | GFSK                                                                                                                                                                                                                                   |
| Operation frequency   | 2407.95MHz-2457.95MHz                                                                                                                                                                                                                  |
| Antenna Type          | Internal Antenna                                                                                                                                                                                                                       |

## 2. METHOD OF MEASUREMENT

### Applicable Standard

EN50663:Generic standard for assessment of low power electronic and electrical equipment related to human exposure restrictions for electromagnetic fields(10MHz-300GHz)

### Limit

20mW (According to the table A.1)

**Table A.1 – Example values of SAR-based  $P_{\max}$  for some cases described by ICNIRP, IEEE Std C95.1-1999 and IEEE Std C95.1-2005**

| Guideline / Standard    | SAR limit, $SAR_{\max}$<br>W/kg | Averaging mass, $m$<br>g | $P_{\max}$<br>mW | Exposure tier <sup>a</sup> | Region of body <sup>a</sup>        |
|-------------------------|---------------------------------|--------------------------|------------------|----------------------------|------------------------------------|
| ICNIRP [1]              | 2                               | 10                       | 20               | General public             | Head and trunk                     |
|                         | 4                               | 10                       | 40               | General public             | Limbs                              |
|                         | 10                              | 10                       | 100              | Occupational               | Head and trunk                     |
|                         | 20                              | 10                       | 200              | Occupational               | Limbs                              |
| IEEE Std C95.1-1999 [2] | 1,6                             | 1                        | 1,6              | Uncontrolled environment   | Head, trunk, arms, legs            |
|                         | 4                               | 10                       | 40               | Uncontrolled environment   | Hands, wrists, feet and ankles     |
|                         | 8                               | 1                        | 8                | Controlled environment     | Head, trunk, arms, legs            |
|                         | 20                              | 10                       | 200              | Controlled environment     | Hands, wrists, feet and ankles     |
| IEEE Std C95.1-2005 [3] | 2                               | 10                       | 20               | Action level               | Body except extremities and pinnae |
|                         | 4                               | 10                       | 40               | Action level               | Extremities and pinnae             |
|                         | 10                              | 10                       | 100              | Controlled environment     | Body except extremities and pinnae |
|                         | 20                              | 10                       | 200              | Controlled environment     | Extremities and pinnae             |

<sup>a</sup> Consult the appropriate standard for more information and definitions of terms.

### Test result

| Modulation Type | EIRP (dBm) | Output power (mW) | Limit (mW) | Results |
|-----------------|------------|-------------------|------------|---------|
| GFSK            | -2.033     | 0.63              | 20         | Pass    |

.....End of Report.....