



# FCC Test Report

Report No: FCS202511339H01

Issued for

|                                                                                                                                                                                                                                                                             |                                                                                                                   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| Applicant:                                                                                                                                                                                                                                                                  | Hongbaoda Science and Education Culture Co., Ltd.,<br>Chenghai Dist., Shantou City                                |
| Address:                                                                                                                                                                                                                                                                    | No. 9, West Yiheng, Longtian Road, Guangyi Street<br>Chenghai District, Shantou City, Guangdong Province<br>China |
| Product Name:                                                                                                                                                                                                                                                               | Remote control car toy                                                                                            |
| Brand Name:                                                                                                                                                                                                                                                                 | N/A                                                                                                               |
| Model Name:                                                                                                                                                                                                                                                                 | HBD88-P85A                                                                                                        |
| Series Model:                                                                                                                                                                                                                                                               | HBD88-P85B, HBD88-P85C, HBD88-P85D                                                                                |
| FCC ID:                                                                                                                                                                                                                                                                     | 2BQZP-HBD88-P85A                                                                                                  |
| Test Standard:                                                                                                                                                                                                                                                              | FCC 47CFR §2.1093                                                                                                 |
| Issued By: Flux Compliance Service Laboratory<br>Add: Room 105 Floor Bao hao Technology Building 1 NO.15 Gong ye West Road Hi-Tech<br>Industrial, Song shan lake Dongguan<br>Tel: 769-27280901 Fax:769-27280901 <a href="http://www.FCS-lab.com">http://www.FCS-lab.com</a> |                                                                                                                   |

**TEST RESULT CERTIFICATION**

Applicant's Name.....: Hongbaoda Science and Education Culture Co., Ltd., Chenghai Dist., Shantou City  
Address .....: No. 9, West Yiheng, Longtian Road, Guangyi Street Chenghai District, Shantou City, Guangdong Province China  
Manufacture's Name.....: Hongbaoda Science and Education Culture Co., Ltd., Chenghai Dist., Shantou City  
Address .....: No. 9, West Yiheng, Longtian Road, Guangyi Street Chenghai District, Shantou City, Guangdong Province China

**Product Description**

Product Name.....: Remote control car toy  
Brand Name .....: N/A  
Model Name .....: HBD88-P85A  
Series Model.....: HBD88-P85B, HBD88-P85C, HBD88-P85D  
Test Standards.....: FCC 47CFR §2.1093  
447498 D01 Interim General RF Exposure Guidance v06

This device described above has been tested by Flux Compliance Service Laboratory, the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

This report shall not be reproduced except in full, without the written approval of Flux Compliance Service Laboratory, this document may be altered or revised by Flux Compliance Service Laboratory, personal only, and shall be noted in the revision of the document.

**Date of Test .....**

Date (s) of performance of tests : Nov. 17, 2025 ~ Nov. 24, 2025

Date of Issue.....: Nov. 24, 2025

Test Result.....: Pass

Tested by : Scott Shen  
(Scott Shen)  
Reviewed by : Duke Qian  
(Duke Qian)  
Approved by : Jack Wang  
(Jack Wang)





## TABLE OF CONTENTS

|                                         |          |
|-----------------------------------------|----------|
| <b>1. GENERAL INFORMATION</b>           | <b>5</b> |
| 1.1 GENERAL DESCRIPTION OF THE EUT      | 5        |
| 1.2 TEST FACTORY                        | 6        |
| <b>2. FCC 47CFR §2.1093 REQUIREMENT</b> | <b>7</b> |
| 2.1 TEST STANDARDS                      | 7        |
| 2.2 LIMIT                               | 7        |
| 2.3 TEST RESULT                         | 8        |

**Revision History**

| Rev. | Issue Date    | Contents      |
|------|---------------|---------------|
| 00   | Nov. 24, 2025 | Initial Issue |
|      |               |               |

## 1. GENERAL INFORMATION

### 1.1 GENERAL DESCRIPTION OF THE EUT

|                         |                                               |                     |
|-------------------------|-----------------------------------------------|---------------------|
| Product Name            | Remote control car toy                        |                     |
| Brand                   | N/A                                           |                     |
| Model Number            | HBD88-P85A                                    |                     |
| Series Model(s)         | HBD88-P85B, HBD88-P85C, HBD88-P85D            |                     |
| Model Difference        | Only the color and model names are different. |                     |
| Product Description     | The EUT is Remote control car toy             |                     |
|                         | Operation Frequency:                          | 2.4G: 2407~2477 MHz |
|                         | Modulation Type:                              | 2.4G: GFSK          |
|                         | Antenna gain:                                 | 2.4G: -0.93 dBi     |
|                         | Antenna Designation:                          | 2.4G: PCB antenna   |
| Power Supply            | DC 3V (AAA Battery 1.5V*2)                    |                     |
| Battery                 | DC 3V (AAA Battery 1.5V*2)                    |                     |
| Hardware version number | V1.0                                          |                     |
| Software version number | V1.0                                          |                     |



## 1.2 TEST FACTORY

|                                                                                                                                                                                                                                                                          |                                                                                                                  |                                                                                                                                                                       |                                                                                                                                           |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Company Name:                                                                                                                                                                                                                                                            | Flux Compliance Service Laboratory                                                                               |                                                                                                                                                                       |                                                                                                                                           |
| Address:                                                                                                                                                                                                                                                                 | Room 105 Floor Bao hao Technology Building 1 NO.15 Gong ye West Road Hi-Tech Industrial, Song shan lake Dongguan |                                                                                                                                                                       |                                                                                                                                           |
| Telephone:                                                                                                                                                                                                                                                               | +86-769-27280901                                                                                                 |                                                                                                                                                                       |                                                                                                                                           |
| Fax:                                                                                                                                                                                                                                                                     | +86-769-27280901                                                                                                 |                                                                                                                                                                       |                                                                                                                                           |
| FCC Test Firm Registration Number: 514908<br>Designation number: CN0127<br>A2LA accreditation number: 5545.01<br>ISED Number: 25801<br>CAB ID : CN0097                                                                                                                   |                                                                                                                  |                                                                                                                                                                       |                                                                                                                                           |
| <b>Organization</b><br><br>FLUX COMPLIANCE SERVICE LABORATORY<br><br>Baohao Technology Building 1 No. 15 Gongye West Road Hi-Tech Industrial Park Songshan Lake Dongguan, Guangdong. 523808 PRC.<br><br><b>ISED#: 25801</b><br>Contact: Andy Yue<br>andy-yue@fcs-lab.com | <b>CAB identifier</b><br><br>CN0097                                                                              | <b>Scope / Recognition Date (yyyy-mm-dd)</b><br><br>RSS-102(RFExp)<br>(2020-01-09)<br><br>RSS-GEN<br>(2020-01-09)<br><br>RSS-210 (2020-01-09)<br>RSS-247 (2020-01-09) | <b>Expiration (yyyy-mm-dd)</b><br><br><b>RECOGNIZED UNTIL: 2023-12-31</b><br><br>A2LA<br>ISO/IEC<br>17025: 2017<br>Expires:<br>2023-12-31 |



## 2. FCC 47CFR §2.1093 REQUIREMENT

### 2.1 TEST STANDARDS

According to §1.1307(b)(1), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

According to §1.1310 and §2.1093 RF exposure requirement

KDB447498 v06: Mobile and Portable Devices RF Exposure Procedures and Equipment Authorization Policies

### 2.2 LIMIT

According to KDB447498 D01 General RF Exposure Guidance v06 Section 4.3.1 Standalone SAR test exclusion considerations: "Unless specifically required by the published RF exposure KDB procedures, standalone 1-g head or body and 10-g extremity SAR evaluation for general population exposure conditions, by measurement or numerical simulation, is not required when the corresponding SAR Test Exclusion Threshold condition, listed below, is satisfied. These test exclusion conditions are based on source-based time-averaged maximum conducted output power of the RF channel requiring evaluation, adjusted for tune-up tolerance, and the minimum test separation distance required for the exposure conditions.<sup>22</sup> The minimum test separation distance is determined by the smallest distance from the antenna and radiating structures or outer surface of the device, according to the host form factor, exposure conditions and platform requirements, to any part of the body or extremity of a user or bystander (see 5) of section 4.1). To qualify for SAR test exclusion, the test separation distances applied must be fully explained and justified by the operating configurations and exposure conditions of the transmitter and applicable host platform requirements, typically in the SAR measurement or SAR analysis report, according to the required published RF exposure KDB procedures. When no other RF exposure testing or reporting is required, a statement of justification and compliance must be included in the equipment approval, in lieu of the SAR report, to qualify for the SAR test exclusion. When required, the device specific conditions described in the other published RF exposure KDB procedures must be satisfied before applying these SAR test exclusion provisions; for example, handheld PTT two-way radios, handsets, laptops & tablets etc.<sup>23</sup> "

$$\left[ \frac{\text{max. power of channel, including tune-up tolerance, mW}}{(\text{min. test separation distance, mm})} \cdot [\sqrt{f \text{ (GHz)}}] \leq 3.0 \text{ for 1-g SAR and } \leq 7.5 \text{ for 10-g extremity SAR, where:} \right.$$

- $f$  (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
- 3.0 and 7.5 are referred to as the numeric thresholds in the step 2 below

The test exclusions are applicable only when the minimum test separation distance is  $\leq 50$  mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is  $< 5$  mm, a distance of 5 mm according to 5) in section 4.1 is applied to determine SAR test exclusion.



## 2.3 TEST RESULT

Turn up

| Mode | Detector | Turn up Power |
|------|----------|---------------|
| 2.4G | PEAK     | 2±1dBm        |

| Band/Mode | F (GHz) | Antenna<br>Distance<br>(mm) | RF output power including<br>tune up |         | SAR Test<br>Exclusion<br>Threshold |
|-----------|---------|-----------------------------|--------------------------------------|---------|------------------------------------|
|           |         |                             | dBm                                  | mW      |                                    |
| 2.4G      | 2.407   | 5                           | 3                                    | 1.99526 | 0.61911 < 3                        |

Results: PASS, No SAR Require.

※※※※※END OF THE REPORT※※※※※