



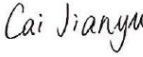
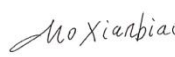
Test Report No.:  
**FCCSZ2025-0026-H**

## RF Test Report

FCC ID : 2AV2J-DBRC18  
EUT : Bluetooth remote control  
APPLICANT : Shenzhen Dangs Science Technology Co.,Ltd  
Classification of Test : N/A

**CVC Testing Technology (Shenzhen) Co., Ltd.**



|                                                                                                                                                                           |                                                                                                                                                                                                   |                                                                                                                                                                   |                              |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|
| <b>Applicant</b>                                                                                                                                                          | Name : Shenzhen Dangs Science Technology Co.,Ltd<br>Address :1301, Building D, 1st Block, Chuangzhi Yuncheng,<br>Liuxian Avenue, Xili Community, Xili Street, Nanshan<br>District, Shenzhen,China |                                                                                                                                                                   |                              |
| <b>Manufacturer</b>                                                                                                                                                       | Name : Wuxi Weida Intelligent Electronics Co., Ltd.<br>Address :No. 85, Feihong Road, Liangxi District, Wuxi City, Jiangsu<br>Province, China.                                                    |                                                                                                                                                                   |                              |
| <b>Equipment Under Test</b>                                                                                                                                               | Name : Bluetooth remote control<br>Model/Type: DBRC-18<br>Additional model:N/A<br>Trade mark :Dangbei,emotn<br>Serial NO.:N/A<br>Sampe NO.:2-1                                                    |                                                                                                                                                                   |                              |
| Date of Receipt.                                                                                                                                                          | Mar. 31,2025                                                                                                                                                                                      | Date of Testing                                                                                                                                                   | Mar. 31,2025~Apr.<br>15,2025 |
| <b>Test Specification</b>                                                                                                                                                 |                                                                                                                                                                                                   | <b>Test Result</b>                                                                                                                                                |                              |
| FCC Part 2 (Section 2.1091)<br>KDB 447498 D04, IEEE C95.3                                                                                                                 |                                                                                                                                                                                                   | PASS                                                                                                                                                              |                              |
| <b>Evaluation of Test Result</b>                                                                                                                                          | The equipment under test was found to comply with the<br>requirements of the standards applied.<br><br>Seal of CVC<br><b>Issue Date: May.8,2025</b>                                               |                                                                                                                                                                   |                              |
| Compiled by:<br><br><u>Cai Jianyu</u><br>Name                      Signature           | Reviewed by:<br><br><u>Mo Xianbiao</u><br>Name                      Signature                                  | Approved by:<br><br><u>Dong Sanbi</u><br>Name                      Signature |                              |
| <b>Other Aspects: NONE.</b>                                                                                                                                               |                                                                                                                                                                                                   |                                                                                                                                                                   |                              |
| Abbreviations:OK,    Pass= passed                      Fail = failed                      N/A= not applicable                      EUT= equipment, sample(s) under tested |                                                                                                                                                                                                   |                                                                                                                                                                   |                              |

This test report relates only to the EUT, and shall not be reproduced except in full, without written approval of CVC.



TABLE OF CONTENTS

RELEASE CONTROL RECORD .....4

1. GENERAL PRODUCT INFORMATION .....5

2. RF EXPOSURE LIMIT .....6

3. CLASSIFICATION .....7

4. ANTENNA GAIN ..... 7

5. CALCULATION RESULT OF MAXIMUM CONDUCTED PEAK POWER ..... 7



## **RELEASE CONTROL RECORD**

| <b>ISSUE NO.</b> | <b>REASON FOR CHANGE</b> | <b>DATE ISSUED</b> |
|------------------|--------------------------|--------------------|
| FCCSZ2025-0026-H | Original release         | <b>May.8,2025</b>  |



## 1. GENERAL PRODUCT INFORMATION

|                                                                                                                                                                                                                                                                                                                                                                                              |                          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| <b>PRODUCT</b>                                                                                                                                                                                                                                                                                                                                                                               | Bluetooth remote control |
| <b>BRAND</b>                                                                                                                                                                                                                                                                                                                                                                                 | Dangbei,emoth            |
| <b>MODEL</b>                                                                                                                                                                                                                                                                                                                                                                                 | DBRC-18                  |
| <b>ADDITIONAL MODEL</b>                                                                                                                                                                                                                                                                                                                                                                      | N/A                      |
| <b>POWER SUPPLY</b>                                                                                                                                                                                                                                                                                                                                                                          | DC 3V From Battery       |
| <b>OPERATING FREQUENCY</b>                                                                                                                                                                                                                                                                                                                                                                   | GFSK for BT-LE           |
| <b>I/O PORTS</b>                                                                                                                                                                                                                                                                                                                                                                             | Refer to user's manual   |
| <b>CABLE SUPPLIED</b>                                                                                                                                                                                                                                                                                                                                                                        | N/A                      |
| <p>Remark:</p> <ol style="list-style-type: none"><li>1. For more detailed features description, please refer to the manufacturer's specifications or the User's Manual.</li><li>2. For the test results, the EUT had been tested with all conditions. But only the worst case was shown in test report.</li><li>3. EUT photo refer to the report (Report NO.: FCCSZ2025-0026-EUT).</li></ol> |                          |



## 2. RF EXPOSURE LIMIT

(Option B) According to FCC Part2.1091 and FCC Part1.1307b, the available maximum time-averaged power or effective radiated power (ERP), whichever is greater, is less than or equal to the threshold  $P_{th}$  (mW) described in the following formula. This method shall only be used at separation distances (cm) from 0.5 centimeters to 40 centimeters and at frequencies from 0.3 GHz to 6 GHz (inclusive).  $P$  is given by:

$$P_{th} \text{ (mW)} = \begin{cases} ERP_{20 \text{ cm}} (d/20 \text{ cm})^x & d \leq 20 \text{ cm} \\ ERP_{20 \text{ cm}} & 20 \text{ cm} < d \leq 40 \text{ cm} \end{cases}$$

Where:

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

and  $f$  is in GHz;

and

$$P_{th} \text{ (mW)} = ERP_{20 \text{ cm}} \text{ (mW)} = \begin{cases} 2040f & 0.3 \text{ GHz} \leq f < 1.5 \text{ GHz} \\ 3060 & 1.5 \text{ GHz} \leq f \leq 6 \text{ GHz} \end{cases}$$

(Option C) Or using Table 1 and the minimum separation distance ( $R$  in meters) from the body of a nearby person for the frequency ( $f$  in MHz) at which the source operates, the ERP (watts) is no more than the calculated value prescribed for that frequency. For the exemption in Table 1 to apply,  $R$  must be at least  $\lambda / 2\pi$ , where  $\lambda$  is the free-space operating wavelength in meters. If the ERP of a single RF source is not easily obtained, then the available maximum time-averaged power may be used in lieu of ERP if the physical dimensions of the radiating structure(s) do not exceed the electrical length of  $\lambda / 4$  or if the antenna gain is less than that of a half-wave dipole (1.64 linear value).

| RF SOURCE FREQUENCY (MHZ) | THRESHOLD ERP(W)  |
|---------------------------|-------------------|
| 0.3 -1.34                 | $1,920 R^2$       |
| 1.34 - 30                 | $3,450 R^2 / F^2$ |
| 30 -300                   | $3.83 R^2$        |
| 300-1500                  | $0.0128 R^2 F$    |
| 1500-100,000              | $19.2 R^2$        |



### 3. CLASSIFICATION

The antenna of this product, under normal use condition, is at least 0.5cm away from the body of the user. So, this device is classified as **Portable Device**.

### 4. ANTENNA GAIN

The antennas provided to the EUT, please refer to the following table:

| Transmitter<br>Circuit | Peak Gain (dBi) | Antenna<br>Type |
|------------------------|-----------------|-----------------|
| BT-LE                  | 1.92            | PCB Antenna     |

This is provided by the manufacturer. The laboratory is not responsible for technical data provided by the customer.

### 5. CALCULATION RESULT OF MAXIMUM CONDUCTED PEAK POWER

The measured conducted Peak Power

| Technology | Antenna | Maximum<br>conducted<br>power<br>(dBm) | Maximum<br>Antenna<br>Gain<br>(dBi) | ERP<br>(dBm) | ERP<br>(mW) | R(cm) | Threshold<br>ERP(mW) | Ratio |
|------------|---------|----------------------------------------|-------------------------------------|--------------|-------------|-------|----------------------|-------|
| BT-LE      | Ant1    | 2.51                                   | 1.92                                | 2.28         | 1.69        | 0.5   | 2.77                 | 0.61  |

Conclusion:Pass.

----- End of the Report -----



## Important

- (1) The test report is invalid without the official stamp of CVC;
- (2) Any part photocopies of the test report are forbidden without the written permission from CVC;
- (3) The test report is invalid without the signatures of Approval and Reviewer;
- (4) The test report is invalid if altered;
- (5) Objections to the test report must be submitted to CVC within 15 days.
- (6) Generally, commission test is responsible for the tested samples only.
- (7) As for the test result “-” or “N” means “not applicable”, “/” means “not test”, “P” means “pass” and “F” means “fail”

Address: No. 1301-14&16, Guanguang Road, Xinlan Community, Guanlan Subdistrict, Longhua District, Shenzhen, Guangdong, China

Post Code: 518110    Tel: 0755-23763060-8805

Fax: 0755-23763060    E-mail: sz-kf@cvc.org.cn

<http://www.cvc.org.cn>