

# **Zhejiang Hooeasy Technology Co., Ltd.**

# **SAR COMPLIANCE REPORT**

## **Report Type:**

FCC SAR assessment report

### Model:

DC1602, DC1602Q

### **REPORT NUMBER**

250400527HAN-002

### **ISSUE DATE**

May 13, 2025

### **DOCUMENT CONTROL NUMBER:**

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Report no.: 250400527HAN-002

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Manufacturer: Zhejiang Hooeasy Technology Co., Ltd.

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FCC ID: 2BPAM-20251802

#### **SUMMARY:**

**Project Engineer** 

 $The \ equipment \ complies \ with \ the \ requirements \ according \ to \ the \ following \ standard (s) \ or \ Specification:$ 

KDB447498 D04 Interim General RF Exposure Guidance v01 FCC Part2.1093, FCC Part1.1307(b)

PREPARED BY:	REVIEWED BY:
Offa Zhou	Wakeyou Wang

Reviewer

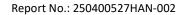
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Report No.: 250400527HAN-002



# **Revision History**

Report No.	Version	Description	Issued Date		
250400527HAN-002	Rev. 01	Initial issue of report.	May 13, 2025		





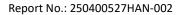
### 1 GENERAL INFORMATION

## 1.1 Description of Equipment Under Test (EUT)

Product name:	Single Channel Emitter
Type/Model:	DC1602, DC1602Q
Description of EUT:	The EUT covered in the report is RF remote controller with 433MHz as carrier. DC1602 and DC1602Q are the same except for the appearance.
Rating:	3VDC
Category of EUT:	Class B
EUT type:	☐ Tabletop ☐ Floor standing
Software Version:	/
Hardware Version:	/
Sample Identification No.:	A250407-27-002
Sample received date:	April 7, 2025
Date of test:	April 10, 2025 ~ April 25, 2025

# 1.2 Technical Specification

Operation Frequency:	433.900MHz
Type of Modulation:	ASK
	Mobile
	Nortable Portable
Product Type:	Fix Location
Channel Number:	1
Antenna Designation:	Integral PCB antenna, non-user removable





## 1.3 Description of Test Facility

Name:	Intertek Testing Services (Shanghai FTZ) Co., Ltd.
Address:	Building 86, No. 1198 Qinzhou Road (North), Shanghai 200233, P.R. China
Telephone:	86 21 61278200
Telefax:	86 21 54262353

The test facility is recognized,	CNAS Accreditation Lab Registration No. CNAS L21189
certified, or accredited by these organizations:	FCC Accredited Lab Designation Number: CN0175
	IC Registration Lab CAB identifier.: CN0014
-	VCCI Registration Lab Member No: 3598 (Registration No.: R-14243, G-10845, C-14723, T-12252)
	A2LA Accreditation Lab Certificate Number: 3309.02



### 2 SAR Assessment

Test result: PASS

### 2.1 SAR Test Exclusion Limit

This method shall only be used at separation distances up to 40 cm and at frequencies from 0.3 GHz to 6 GHz (inclusive). P<sub>th</sub> is given by Formula below:

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

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

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

The example values shown in below are for illustration only.

	Distance (mm)										
		5	10	15	20	25	30	35	40	45	50
(z	300	39	65	88	110	129	148	166	184	201	217
Frequency (MHz)	450	22	44	67	89	112	135	158	180	203	226
ency	835	9	25	44	66	90	116	145	175	207	240
nbə.	1900	3	12	26	44	66	92	122	157	195	236
Œ	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

#### 2.2 Assessment Results

As we can see from the test report 250400527HAN-001:

The highest EIRP adjusted with tune-up tolerance is: 85.20 - 95.30 = -10.10 dBm = 0.098 mW. 0.098 mW <  $\underline{22mW}$  (Test Exclusion Thresholds of 450MHz at 5mm). Therefore, the SAR requirement is deemed to be satisfied without test.