



# FCC RF EXPOSURE REPORT

## FCC ID: 2BHES-RMINI-M1

**Project No.** : 2406H005  
**Equipment** : Remote Control Receiver  
**Brand Name** : ZOOMLION  
**Test Model** : RMINI-M1  
**Series Model** : N/A  
**Applicant** : Hunan Zoomlion Intelligent Technology Co.,Ltd.  
**Address** : No.361, Zoomlion Technology Park, South Yinpen Road, Yuelu District, Changsha City, Hunan Province 410013, P.R. China  
**Manufacturer** : Hunan Zoomlion Intelligent Technology Co.,Ltd.  
**Address** : No.361, Zoomlion Technology Park, South Yinpen Road, Yuelu District, Changsha City, Hunan Province 410013, P.R. China  
**Factory** : Hunan Zoomlion Intelligent Technology Co.,Ltd.  
**Address** : No.361, Zoomlion Technology Park, South Yinpen Road, Yuelu District, Changsha City, Hunan Province 410013, P.R. China  
**Date of Receipt** : Jul. 03, 2024  
**Date of Test** : Jul. 03, 2024~Aug. 13, 2024  
**Issued Date** : Aug. 26, 2024  
**Report Version** : R01  
**Test Sample** : Engineering Sample No.: SH20240703185  
**Standard(s)** : FCC Guidelines for Human Exposure IEEE C95.1 & FCC Part 2.1091  
FCC Title 47 Part 2.1091

The above equipment has been tested and found compliance with the requirement of the relative standards by BTL Inc. (Shanghai)

Louis Li

Prepared by : Louis Li

Riley Wei

Approved by : Riley Wei

Add: No. 29, Jintang Road, Tangzhen Industry Park, Pudong New Area, Shanghai 201210, China.

Tel: +86-021-61765666

Web: [www.newbtl.com](http://www.newbtl.com)

Service mail: [btl\\_qa@newbtl.com](mailto:btl_qa@newbtl.com)

**REPORT ISSUED HISTORY**

Report No.	Version	Description	Issued Date	Note
BTL-FCCP-4-2406H005	R00	Original Report	Aug. 22, 2024	Invalid
BTL-FCCP-4-2406H005	R01	Revised report to address TCB's comments.	Aug. 26, 2024	Valid

## 1. TEST FACILITY

The test facilities used to collect the test data in this report is at the location of No. 29, Jintang Road, Tangzhen Industry Park, Pudong New Area, Shanghai 201210, China.

## 2. MPE CALCULATION METHOD

Calculation Method of RF Safety Distance:

$$S = \frac{PG}{4\pi r^2} = \frac{EIRP}{4\pi r^2}$$

where:


S = power density

P = power input to the antenna

G = power gain of the antenna in the direction of interest relative to an isotropic radiator

R = distance to the center of radiation of the antenna

Table for Filed Antenna:

Ant.	Brand	P/N	Antenna Type	Connector	Gain (dBi)
1		N/A	Monopole antenna	N/A	0.36

## 3. TEST RESULTS

Antenna Gain (dBi)	Antenna Gain (numeric)	Max. Output Power (dBm)	Max. Output Power (mW)	Power Density (S) (mW/cm <sup>2</sup> )	Limit of Power Density (S) (mW/cm <sup>2</sup> )	Test Result
0.36	1.0864	9.47	8.8512	0.049	4.63	Complies

Note: The calculated distance is 20 cm.

**End of Test Report**