



FCC RF EXPOSURE REPORT

FCC ID: 2BHES-R1000M

Project No. : 2406H005
Equipment : Remote Control Transmitter
Brand Name : ZOOMLION
Test Model : R1000M
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 & KDB447498 D01

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

Service mail: btl_qa@newbtl.com

REPORT ISSUED HISTORY

Report No.	Version	Description	Issued Date	Note
BTL-FCCP-3-2406H005	R00	Original Report.	Aug. 22, 2024	Invalid
BTL-FCCP-3-2406H005	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
 BTL's Registration Number for FCC: 964234
 BTL's Designation Number for FCC: CN1374

2. GENERAL CONCLUSION


According to FCC KDB447498 D01, Appendix A, SAR Test Exclusion Thresholds for 100 MHz – 6 GHz and ≤ 50 mm, the 1-g and 10-g SAR test exclusion thresholds are determined by the following:

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

- $f(\text{GHz})$ 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

Appendix A - SAR Test Exclusion Thresholds for 100 MHz - 6 GHz and ≤ 50 mm											
MHz	5	10	15	20	25	30	35	40	45	50	mm
150	39	77	116	155	194	232	271	310	349	387	SAR Test Exclusion Thresholds (mW)
300	27	55	82	110	137	164	192	219	246	274	
450	22	45	67	89	112	134	157	179	201	224	
835	16	33	49	66	82	98	115	131	148	164	
900	16	32	47	63	79	95	111	126	142	158	
1500	12	24	37	49	61	73	86	98	110	122	
1900	11	22	33	44	54	65	76	87	98	109	
2450	10	19	29	38	48	57	67	77	86	96	
3600	8	16	24	32	40	47	55	63	71	79	
5200	7	13	20	26	33	39	46	53	59	66	
5400	6	13	19	26	32	39	45	52	58	65	
5800	6	12	19	25	31	37	44	50	56	62	

3. TABLE FOR FILED ANTENNA

Ant.	Brand	P/N	Antenna Type	Connector	Gain (dBi)
1		KX-GSM-FPC-43-22	FPC	N/A	3

4. TEST RESULTS

Frequency (MHz)	Max Tune-up power (dBm)	Max Tune-up power (mW)	Result	Limit
925.05	1.26	1.337	0.257	3.0

Note:

- (1) Output power including tune up tolerance.
- (2) No SAR evaluation required since transmitter power is below FCC threshold.

End of Test Report