

TEST REPORT

Application No.: BTEK260708004A01E01
Applicant: Lincastle INC.
Address of Applicant: 2715 Farabaugh Ln, Pueblo, CO 81004, United States
Manufacturer: Jiangxi Taloya Technology Co., Ltd
Address of Manufacturer: No. 11 Xinzhu Road, Lianhua County Industrial Park, Pingxiang, Jiangxi
Equipment Under Test (EUT):
EUT Name: 22-key remote control
Test Model.: TLY-RE-01
Adding Model(s): /
Trade Mark: /
FCC ID: 2BXXMX-TLY001
Standard(s) : 47 CFR Part 2 Subpart J Section 2.1093
447498 D01 General RF Exposure Guidance v06
Date of Receipt Sample(s): 2026-07-21
Date of Test: 2026-07-21 to 2026-08-02
Date of Issue: 2026-08-03

Test Result:	Pass*
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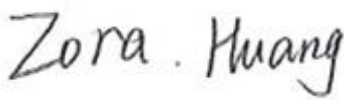
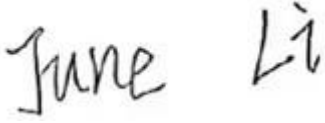
* In the configuration tested, the EUT complied with the standards specified above.

Alex. Wang

Alex Wang/ Approved & Authorized
EMC Laboratory Manager



Revision Record			
Version	Issue Date	Revisions	Remarks
V0	2026-08-03	Initial	Valid

Authorized for issue by:			
			
		Zora Huang / File Editor	
			
		June Li/Reviewer	

Remarks:

The results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of compiler and approver.



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3 General Information

3.1 Details of E.U.T.

Power supply:	Battery:1.5V AAA*2
Frequency Range:	433.94MHz
Modulation Type:	ASK
Number of Channels:	1
Antenna Type:	PCB antenna
Antenna Gain:	3dBi
Sample No.:	BTEK260708004-001
Model(s) Difference Statement	☒ Single Model.
	☐ Multi-Models:

3.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
/	/	/	/

3.3 Test Location

All tests were performed at:

Shenzhen BANTEK Testing Co., Ltd.,

A5&A6, Building B1&B2, No.45 Gangtou Road, Bogang Community, Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518103

Tel:0755-2334 4200 Fax: 0755-2334 4200

FCC Registration Number: 264293

Designation Number: CN1356

No tests were sub-contracted.

3.4 Deviation from Standards

None

3.5 Abnormalities from Standard Conditions

None



4 Test Requirement

KDB447498 D01 General RF Exposure Guidance v06, Clause 4.3.1(a)

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$

Where

-f(GHz) is the RF channel transmit frequency in GHz

-Power and distance are rounded to the nearest mW and mm before calculation

-The test exclusions are applicable only when the minimum test separation distance is ≤ 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 4.1 f) is applied to determine SAR test exclusion.

4.1 Assessment Result

☒ According to the calculation formula of power:

$$\text{EIRP} = P \cdot G = (E \cdot d)^2 / 30$$

Where:

P = transmitter output power in watts,

G = numeric gain of the antenna in the direction of interest relative to an isotropic radiator (unitless),

E = electric field strength in V/m, --- $10^{((\text{dBuV/m})/20)/10^6}$,

d = measurement distance in meters (m)---3m,

So,

$$P = (E \cdot d)^2 / 30 \cdot G$$

Frequency (MHz)	Maximum field strength@3m (dBuV/m)	Maximum field strength@3m (V/m)	Antenna Gain (dBi)	Antenna Gain (numeric)	Distance (m)	Output power (mW)
433.94	85.73	0.019	3	2	3	0.2239

Thus, Worse case below:

Frequency (MHz)	Max Output power (mW)	Min test distance (mm)	Result	Limit of 10-g SAR test exclusion thresholds
433.94	0.2239	5	0.03	7.5

Field strength = 85.73dBuV/m @3m

Ant. gain 3dBi; so Ant numeric gain=2

So $P_t = \{[10^{(85.73/20)} / 10^6 \times 3]^2 / 30 \times 2.0\} \times 1000 \text{mW} = 0.2239 \text{mW}$

So $(0.2239 \text{mW} / 5 \text{mm}) \times \sqrt{0.43394 \text{GHz}} = 0.03$

Conclusion

Cuz $0.03 < 7.5$ for 10-g SAR, the device is exempt from the SAR test and satisfies RF exposure evaluation.

- End of the Report -

