

TEST REPORT

Report No.	CISRR26082037203
Project No.	CISR260820372
Applicant	Yongkang Zimo Security Equipment Co., Ltd
Address	3rd Floor, No. 12 Huancun South Road, Wangshangdian Village, Zhiying Town, Yongkang City, Jinhua, Zhejiang Province
Manufacturer	Yongkang Zimo Security Equipment Co., Ltd
Address	3rd Floor, No. 12 Huancun South Road, Wangshangdian Village, Zhiying Town, Yongkang City, Jinhua, Zhejiang Province
Product Name	Smart lock
Trade Mark	-
Model/Type reference	BNK005
Listed Model(s)	BNK001, BNK006, P1, BNK005PRO, P11, P12, P8, P9, K15, P15, D3, K9S, K12
Standard	EN IEC 62311:2020
Date of sample receipt	July 2, 2026
Test date	July 3, 2026 to July 8, 2026
Issue date	August 25, 2026
Test result	Complied

Lucas Huang

Reviewed by: Lucas Huang



Approved by: Hans Hu

The test results relate only to the tested samples.
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1. REPORT VERSION

Version No.	Issue date	Description
00	August 25, 2026	According to the original report (report number: CISRR26061519003), the series model has been updated. This report supersedes the original report, and the original report is hereby invalidated as of now.

2. SUMMARY

2.1. Product Description

Main unit information:	
Product Name:	Smart lock
Trade mark:	-
Model No.:	BNK005
Listed Model(s):	BNK001, BNK006, P1, BNK005PRO, P11, P12, P8, P9, K15, P15, D3, K9S, K12
Model difference:	The series is only different in model naming and sales channels, while the internal structure remains the same.
Power supply:	DC 5V by USB-C port DC 7.4V Internal battery
Hardware version:	-
Software version:	-
Accessory unit information:	
Battery information:	YC04B 4200mAh by DC 7.4V

2.2. Radio Specification Description

WIFI-2.4GHz Band	
Supported type:	☒ 802.11b ☒ 802.11g ☒ 802.11n ☐ 802.11ax

Note: Please refer to RF report for detailed technical specifications

2.3. Testing Site

Laboratory Name	Shenzhen Bangce Testing Technology Co., Ltd.
Laboratory Location	101, building 10, Yunli Intelligent Park, Shutianpu community, Matian Street, Guangming District, Shenzhen, Guangdong, China
Contact information	Tel: 86-755-2319 6848, email: service@cis-cn.net Website: http://www.cis-cn.net/

3. TEST RESULT

Limit:

Table 6. Reference levels for occupational exposure to time-varying electric and magnetic fields (unperturbed rms values).^a

Frequency range	E-field strength (V m ⁻¹)	H-field strength (A m ⁻¹)	B-field (μT)	Equivalent plane wave power density S_{eq} (W m ⁻²)
up to 1 Hz	—	1.63×10^5	2×10^5	—
1–8 Hz	20,000	$1.63 \times 10^5/f^2$	$2 \times 10^5/f^2$	—
8–25 Hz	20,000	$2 \times 10^4/f$	$2.5 \times 10^4/f$	—
0.025–0.82 kHz	$500/f$	$20/f$	$25/f$	—
0.82–65 kHz	610	24.4	30.7	—
0.065–1 MHz	610	$1.6/f$	$2.0/f$	—
1–10 MHz	$610/f$	$1.6/f$	$2.0/f$	—
10–400 MHz	61	0.16	0.2	10
400–2,000 MHz	$3f^{1/2}$	$0.008f^{1/2}$	$0.01f^{1/2}$	$f/40$
2–300 GHz	137	0.36	0.45	50

^aNote:

1. f as indicated in the frequency range column.
2. Provided that basic restrictions are met and adverse indirect effects can be excluded, field strength values can be exceeded.
3. For frequencies between 100 kHz and 10 GHz, S_{eq} , E^2 , H^2 , and B^2 are to be averaged over any 6-min period.
4. For peak values at frequencies up to 100 kHz see Table 4, note 3.
5. For peak values at frequencies exceeding 100 kHz see Figs. 1 and 2. Between 100 kHz and 10 MHz, peak values for the field strengths are obtained by interpolation from the 1.5-fold peak at 100 kHz to the 32-fold peak at 10 MHz. For frequencies exceeding 10 MHz it is suggested that the peak equivalent plane wave power density, as averaged over the pulse width, does not exceed 1,000 times the S_{eq} restrictions, or that the field strength does not exceed 32 times the field strength exposure levels given in the table.
6. For frequencies exceeding 10 GHz, S_{eq} , E^2 , H^2 , and B^2 are to be averaged over any $68/f^{1.05}$ -min period (f in GHz).
7. No E-field value is provided for frequencies <1 Hz, which are effectively static electric fields. Electric shock from low impedance sources is prevented by established electrical safety procedures for such equipment.

Table 7. Reference levels for general public exposure to time-varying electric and magnetic fields (unperturbed rms values).^a

Frequency range	E-field strength (V m ⁻¹)	H-field strength (A m ⁻¹)	B-field (μT)	Equivalent plane wave power density S_{eq} (W m ⁻²)
up to 1 Hz	—	3.2×10^4	4×10^4	—
1–8 Hz	10,000	$3.2 \times 10^4/f^2$	$4 \times 10^4/f^2$	—
8–25 Hz	10,000	$4,000/f$	$5,000/f$	—
0.025–0.8 kHz	$250/f$	$4/f$	$5/f$	—
0.8–3 kHz	$250/f$	5	6.25	—
3–150 kHz	87	5	6.25	—
0.15–1 MHz	87	$0.73/f$	$0.92/f$	—
1–10 MHz	$87/f^{1/2}$	$0.73/f$	$0.92/f$	—
10–400 MHz	28	0.073	0.092	2
400–2,000 MHz	$1.375f^{1/2}$	$0.0037f^{1/2}$	$0.0046f^{1/2}$	$f/200$
2–300 GHz	61	0.16	0.20	10

^aNote:

1. f as indicated in the frequency range column.
2. Provided that basic restrictions are met and adverse indirect effects can be excluded, field strength values can be exceeded.
3. For frequencies between 100 kHz and 10 GHz, S_{eq} , E^2 , H^2 , and B^2 are to be averaged over any 6-min period.
4. For peak values at frequencies up to 100 kHz see Table 4, note 3.
5. For peak values at frequencies exceeding 100 kHz see Figs. 1 and 2. Between 100 kHz and 10 MHz, peak values for the field strengths are obtained by interpolation from the 1.5-fold peak at 100 kHz to the 32-fold peak at 10 MHz. For frequencies exceeding 10 MHz it is suggested that the peak equivalent plane wave power density, as averaged over the pulse width does not exceed 1,000 times the S_{eq} restrictions, or that the field strength does not exceed 32 times the field strength exposure levels given in the table.
6. For frequencies exceeding 10 GHz, S_{eq} , E^2 , H^2 , and B^2 are to be averaged over any $68/f^{1.05}$ -min period (f in GHz).
7. No E-field value is provided for frequencies <1 Hz, which are effectively static electric fields. perception of surface electric charges will not occur at field strengths less than 25 kV m^{-1} . Spark discharges causing stress or annoyance should be avoided.

MPE Calculation Method

$$E = \eta_0 H = \frac{\sqrt{30PG(\theta, \phi)}}{r}$$

Where:

E: E-field strength (V/m)

P: power input to antenna (Watt)

G: is the antenna gain relative to an isotropic antenna;

θ, ϕ : are elevation and azimuth angles to point of investigation;

r: is the distance from observation point to the antenna;

η_0 : is the characteristic impedance of free space.

Result:

Passed

Radio Type	Frequency range (MHz)	Maximum EIRP* (dBm)	r (m)	E-field strength (V/m)	Limit (V/m)	Result
2.4G WIFI	2412 ~ 2472	9.29	0.2	0.113	61	Pass

Note:

- 1) r is the distance from observation point to the antenna which is declared by the applicant.
- 2) *: refer to the RF report.

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