

RF EXPOSURE REPORT

FCC ID: 2BTLC-LOCKHOO100

Test Report No.....: RF251226035-01-003

Product(s) Name.....: Smart Lock

Model(s).....: Lockhoo 100

Trade Mark.....: BICEEK

Applicant.....: Costarfish(Shenzhen) Technology Co., Limited

Address.....: Room 1812, Yishang Creative Technology Building, No 22 Jiaan South Road,
Haibin Community, Xinan Street, Baoan District, Shenzhen City

Receipt Date.....: 2025.12.30

Test Date.....: 2025.12.31 ~ 2026.01.08

Issued Date.....: 2026.01.09

Standards.....: FCC Title 47 Part 1.1307
FCC Title 47 Part 2.1091
KDB 447498 D01 General RF Exposure Guidance v06

Testing Laboratory.....: Shenzhen Haiyun Standard Technical Co., Ltd.

Prepared By:	Checked By:	Approved By:	
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<i>Jason Huang</i>	<i>Black Ding</i>	<i>Tim Zhang</i>	

REPORT ISSUED HISTORY

Original Report Issue Date: 2026.01.09

- No additional attachment
- Additional attachments were issued following record

Attachment No.	Issue Date	Description

1. TEST FACILITY

Company:	Shenzhen Haiyun Standard Technical Co., Ltd.
Address:	No. 110, 111, 112, 113, 115, 116, Block B, Jinyuan business Building, No. 302, Xixiang Avenue, Laodong Community, Xixiang Street, Bao'an District, Shenzhen P.R.C.
CNAS Registration Number:	CNAS L18252
CAB identifier:	CN0145
Company Number	30427
A2LA Certificate Number:	6823.01

2. MPE CALCULATION METHOD

Radio Frequency Exposure Limit

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)
300-1,500	--	--	f/1500
1,500-100,000	--	--	1.0

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

For BLE

Ant.	Brand	Antenna Type	Connector	Gain (dBi)
1	N/A	FPC antenna	N/A	2.31

For LoRa

Ant.	Brand	Antenna Type	Connector	Gain (dBi)
1	N/A	FPC antenna	N/A	-2.80

Note:

1. The antenna gain is provided by the manufacturer.

3. TEST RESULTS

For worst case:

Operating Mode	Freq.	Calculated maximum EIRP		MPE Limit	MPE Value
	(MHz)	(dBm)	(mW)	(mW/cm ²)	
LoRa	902-928	-5.75	0.27	0.6	0.0001
BLE	2402-2480	2.73	1.87	1	0.0004

Note: For LoRa mode, the highest EIRP is 89.45-95.20= -5.75dBm.

Simultaneous transmitting consideration(worst case)

The ratio= $MPE_{LoRa}/limit + MPE_{BLE}/limit = 0.0001/0.6 + 0.0004/1 = 0.0006 < 1.0$

Conclusion

Result: Complies.

Statement

1. The report is invalid without the official seal or special seal of Shenzhen Haiyun Standard Technical Co., Ltd. (hereinafter referred to as the unit).
2. The report is invalid without the signature of the approver.
3. The report is invalid if altered arbitrarily.
4. The report shall not be partially copied without the written approval of the unit.
5. The reported test results are only valid for the tested samples.
6. If there is any objection to the test report, it shall be submitted to the test unit within 15 days from the date of receiving the report, and the overdue shall not be accepted.

Shenzhen Haiyun Standard Technical Co., Ltd.

Address: Room 110, 111, 112, 113, 115, 116, Block B, Jinyuan Business Building, No. 302, Xixiang Avenue, Labor Community, Xixiang Street, Baoan District, Shenzhen, China

End of Test Report