

Test Report

Applicant : QINGDAO KINGFORCE INTELLIGENT TECHNOLOGY CO.,LTD
Address : 69,GUANGSHENG ROAD QINGDAO,CHINA
Product Name : Smart Lock
Brand Mark : Noqiz
Model : M19F
Series model : M19/ M15/ M22/ M12/ M31/ M12-HH/ M30/ M12-F/
M12-H/ M16
Report Number : BLA-EMC-202504-A8303
FCC ID : 2AWGO-M19F
Date of Receipt : Apr.22,2025
Date of Test : Apr.24,2025 to Apr.29,2025
47 CFR Part 15, Part1.1307
Test Standard : 47 CFR Part 15, Part2.1093
KDB447498D04 General RF Exposure Guidance v01
Test Result : Pass

Compiled by: charlie

Review by: Xavier

Approved by: 13 Jue Zheng

Issued Date: May 06, 2025



BlueAsia of Technical Services(Shenzhen) Co.,Ltd.

Address: Building C, No. 107, Shihuan Road, Shiyuan Sub-District, Baoan District,
Shenzhen, Guangdong Province, China



The test report is effective only with both signature and specialized stamp and The result(s) shown in this report refer only to the sample(s) tested. Without written approval of BlueAsia, this report can't be reproduced except in full. The results described in this report do not represent the quality or characteristics of the sampled batch, nor do they represent any similar or identical products that are not explicitly stated.

Table of Contents

1 General information	4
1.1 General information	4
1.2 General description of EUT	4
2 Laboratory and accreditations	5
3 RF Exposure Compliance Requirement	6
3.1 Standard Requirement	6
3.2 Limits	6
3.3 Result	7

Revise Record

Version No.	Date	Description
01	May 06,2025	Original

1 General information

1.1 General information

Applicant	QINGDAO KINGFORCE INTELLIGENT TECHNOLOGY CO.,LTD
Address	69, GUANGSHENG ROAD QINGDAO, CHINA
Manufacturer	QINGDAO KINGFORCE INTELLIGENT TECHNOLOGY CO.,LTD
Address	69, GUANGSHENG ROAD QINGDAO, CHINA
Factory	QINGDAO KINGFORCE INTELLIGENT TECHNOLOGY CO.,LTD
Address	69, GUANGSHENG ROAD QINGDAO, CHINA

1.2 General description of EUT

Product Name	Smart Lock
Model No.	M19F
Series model	M19/ M15/ M22/ M12/ M31/ M12-HH/ M30/ M12-F/ M12-H/ M16
Differences of Series model	The above models are identical in PCB layout,internal structure and components,only model No.and color is different.
Power supply or adapter information	DC6V(dry accumulator1.5V*4)
Hardware Version	M19FBZB
Software Version	V1.0
Engineer sample no	BLA-EMC-202504-A83

Note: For a more detailed description, please refer to Specification or User's Manual supplied by the applicant and/or manufacturer.

For BLE

Operation Frequency	2402MHz-2480MHz
Modulation Type	GFSK
Channel Spacing	2MHz
Number of Channels	40
Antenna Type	PCB antenna
Antenna Gain	3.1dBi(Provided by customer)

2 Laboratory and accreditations

The test facility is recognized, certified, or accredited by the following organizations:

Company name:	BlueAsia of Technical Services(Shenzhen) Co., Ltd.
Address:	Building C, No. 107, Shihuan Road, Shiyan Sub-District, Baoan District, Shenzhen, Guangdong Province, China
CNAS accredited No.:	L9788
A2LA Cert. No.:	5071.01
FCC Designation No.:	CN1252
ISED CAB identifier No.:	CN0028
Telephone:	+86-755-28682673
FAX:	+86-755-28682673

3 RF Exposure Compliance Requirement

3.1 Standard Requirement

According to 447498 D04 Interim General RF Exposure Guidance v01

Standalone SAR test exclusion considerations

Unless specifically required by the published RF exposure KDB procedures, standalone 1-g head or body and 10-g extremity SAR evaluation for general population exposure conditions, by measurement or numerical simulation, is not required when the corresponding SAR Exclusion Threshold condition, listed below, is satisfied.

3.2 Limits

$$P_{th} \text{ (mW)} = ERP_{20 \text{ cm}} \text{ (mW)} = \begin{cases} 2040f & 0.3 \text{ GHz} \leq f < 1.5 \text{ GHz} \\ 3060 & 1.5 \text{ GHz} \leq f \leq 6 \text{ GHz} \end{cases} \quad (\text{B. 1})$$

$$P_{th} \text{ (mW)} = \begin{cases} ERP_{20 \text{ cm}} (d/20 \text{ cm})^x & d \leq 20 \text{ cm} \\ ERP_{20 \text{ cm}} & 20 \text{ cm} < d \leq 40 \text{ cm} \end{cases} \quad (\text{B. 2})$$

where

$$x = -\log_{10} \left(\frac{60}{ERP_{20 \text{ cm}} \sqrt{f}} \right)$$

and f is in GHz, d is the separation distance (cm), and $ERP_{20 \text{ cm}}$ is per Formula (B.1).

Example values shown in Table B.2 are for illustration only.

Table B.2—Example Power Thresholds (mW)

Frequency (MHz)	Distance (mm)									
	5	10	15	20	25	30	35	40	45	50
300	39	65	88	110	129	148	166	184	201	217
450	22	44	67	89	112	135	158	180	203	226
835	9	25	44	66	90	116	145	175	207	240
1900	3	12	26	44	66	92	122	157	195	236
2450	3	10	22	38	59	83	111	143	179	219
3600	2	8	18	32	49	71	96	125	158	195
5800	1	6	14	25	40	58	80	106	136	169

3.3 Result

Calculated Result and Limit (WORSE CASE IS AS BELOW)

Mode	Frequency (MHz)	Max Output power(dBm)	Max Output power(mW)	Ant gain (dBi)	Evaluation ERP(dBm)	Evaluation ERP(mW)	Limit of Pth(mW)	Result
BLE	2480	-1.716	0.67	3.1	-0.766	0.84	2.72	Pass

ERP=Max Output power+Ant gain-2.15

Comply with RF exposure exemption limit.

----END OF REPORT----

The test report is effective only with both signature and specialized stamp, the result(s) shown in this report refer only to the sample(s) tested. Without written approval of BlueAsia, this report can't be reproduced except in full.