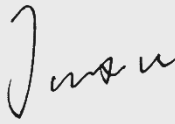
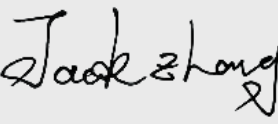




Test report No:
2510414R-RF-US-P20V01

FCC EXPOSURE TEST REPORT

Product Name	Level Lock Pro
Trademark	level
Model and /or type reference	D2,D4
FCC ID	2ATIO6
Applicant's name / address	Level Home Inc. 935 Main St Redwood City, CA 94063, United States of America
Test method requested, standard	FCC 47CFR §2.1091
Verdict Summary	IN COMPLIANCE
Documented By (name / position & signature)	Jun Xu/ Project Engineer 
Approved by (name / position & signature)	Jack Zhang/ Manager 
Date of issue	2025-02-26
Report Version	V1.0
Report template No	Template_FCC-MPE-RF-V1.0

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COMPETENCES AND GUARANTEES

DEKRA is a testing laboratory competent to carry out the tests described in this report.

In order to assure the traceability to other national and international laboratories, DEKRA has a calibration and maintenance program for its measurement equipment.

DEKRA guarantees the reliability of the data presented in this report, which is the result of the measurements and the tests performed to the item under test on the date and under the conditions stated in the report and it is based on the knowledge and technical facilities available at DEKRA at the time of performance of the test.

DEKRA is liable to the client for the maintenance of the confidentiality of all information related to the item under test and the results of the test.

The results presented in this Test Report apply only to the particular item under test established in this document.

IMPORTANT: No parts of this report may be reproduced or quoted out of context, in any form or by any means, except in full, without the previous written permission of DEKRA.

GENERAL CONDITIONS

Test Location	No. 99, Hongye Road, Suzhou Industrial Park Suzhou, 215006, P.R. China
Date(receive sample)	Jan. 14, 2025
Date (start test)	Jan. 15, 2025
Date (finish test)	Feb. 14, 2025

1. This report is only referred to the item that has undergone the test.
2. This report does not constitute or imply on its own an approval of the product by the Certification Bodies or Competent Authorities.
3. This document is only valid if complete; no partial reproduction can be made without previous written permission of DEKRA.
4. This test report cannot be used partially or in full for publicity and/or promotional purposes without previous written permission of DEKRA.

ENVIRONMENTAL CONDITIONS

The climatic conditions during the tests are within the limits specified by the manufacturer for the operation of the EUT and the test equipment. The climatic conditions during the tests were within the following limits:

Ambient temperature	15 °C – 35 °C
Relative Humidity air	30% - 60%

If explicitly required in the basic standard or applied product / product family standard the climatic values are recorded and documented separately in this test report.

POSSIBLE TEST CASE VERDICTS

Test case does not apply to test object	N/A
Test object does meet requirement	P (Pass) / PASS
Test object does not meet requirement	F (Fail) / FAIL
Not measured	N/M

ABBREVIATIONS

For the purposes of the present document, the following abbreviations apply:

EUT	: Equipment Under Test
QP	: Quasi-Peak
CAV	: CISPR Average
AV	: Average
CDN	: Coupling Decoupling Network
SAC	: Semi-Anechoic Chamber
OATS	: Open Area Test Site
BW	: Bandwidth
AM	: Amplitude Modulation
PM	: Pulse Modulation
HCP	: Horizontal Coupling Plane
VCP	: Vertical Coupling Plane
U_N	: Nominal voltage
T_x	: Transmitter
R_x	: Receiver
N/A	: Not Applicable
N/M	: Not Measured

DOCUMENT HISTORY

Report No.	Version	Description	Issued Date
2510414R-RF-US-P20V01	V1.0	Initial issue of report.	2025-02-26

REMARKS AND COMMENTS

1. The equipment under test (EUT) does meet the essential requirements of the stated standard(s)/test(s).
2. These test results on a sample of the device are for the purpose of demonstrating Compliance with FCC 47CFR §2.1091.
3. The measurement result is considered in conformance with the requirement if it is within the prescribed limit, It is not necessary to account the uncertainty associated with the measurement result.
4. The test results relate only to the samples tested.
5. The test report shall not be reproduced without the written approval of DEKRA Testing and Certification (Suzhou) Co., Ltd.
6. This report will not be used for social proof function in China market.
7. DEKRA declines any responsibility with the following test data provided by customer that may affect the validity of result:
 - Chapter 1.1 General Description of the Item(s);
 - Chapter 1.2 Antenna Informaion;

1 GENERAL INFORMATION

1.1 General Description of the Item(s)

Product Name	Level Lock Pro
Model No.	D2,D4
Trademark.	level
FCC ID	2ATIO6
Manufacturer	Level Home Inc.
Manufacturer Address	935 Main St Redwood City, CA 94063, United States of America
Factory	GOERTEK TECHNOLOGY VINA CO.,LTD
Factory Address	Lot N-1 Que Vo Industrial park (Expansion zone), Nam Son ward, Bac Ninh city, Bac Ninh province, Vietnam.
Model difference	Only the color is different, everything else is exactly the same.

Wireless specification	Bluetooth (LE)				
Operating frequency range(s)	2402~2480MHz				
Type of Modulation	GFSK				
PHYs	☒	LE 1M	☒	LE 2M	☐ LE Coded S=2/8
Data Rate	☒	1Mbit/s	☒	2Mbit/s	☐ 500/125 Kbit/s
Number of channel	40				

Wireless specification	Thread				
Operating frequency range(s)	2405~2480MHz				
Type of Modulation	O-QPSK				
Data Rate	250kbps				
Number of channel	16				

Wireless Specification	NFC				
Operating frequency range(s)	13.56 MHz				
Type of modulation	ASK				
Number of channel	1				

Rated power supply	Voltage and Frequency				
	☐	AC: 220 - 240 V, 50/60 Hz			
	☐	AC: 110-130 V, 50/60 Hz, 13.5W			
	☐	DC: 24 Vdc			
	☒	Battery: 3.0V			
	☐	Adapter:			
Mounting position	☐	Tabletop equipment			
	☒	Door mounted equipment			

	☐	Floor standing equipment
	☐	Hand-held/Portable equipment
	☐	Other:

1.2 Antenna Informaion

BT& Thread Antenna:

Antenna model / type number.....:	N/A			
Antenna serial number.....:	N/A			
Antenna Delivery	☒	1TX + 1RX		
	☐	2TX + 2RX		
	☐	Others:		
Antenna technology	☒	SISO		
	☐	MIMO	☐	CDD
			☐	Beam-forming
Antenna Type	☐	External	☐	Dipole
			☐	Sectorized
	☒	Internal	☐	Ceramic Chip
			☐	PIFA
			☒	PCB
			☐	Others.....
Antenna Gain	-2.08dBi			

NFC Antenna:

Antenna model.....:	N/A			
Antenna Delivery	☒	1TX + 1RX		
	☐	2TX + 2RX		
	☐	Others:.....		
Antenna technology	☒	SISO		
	☐	MIMO	☐	CDD
			☐	Beam-forming
Antenna Type	☐	External	☐	Dipole
			☐	Sectorized
	☒	Internal	☐	Ceramic Chip
			☐	PIFA
			☒	LOOP
			☐	Others:
Antenna Gain	N/A			

2. RF Exposure Evaluation

2.1. Limits:

47 CFR Part 1.1310

Table 1 to § 1.1310(e)(1)—Limits for Maximum Permissible Exposure (MPE)

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)
(i) Limits for Occupational/Controlled Exposure				
0.3-3.0	614	1.63	*(100)	≤6
3.0-30	1842/f	4.89/f	*(900/f ²)	<6
30-300	61.4	0.163	1.0	<6
300-1,500			f/300	<6
1,500-100,000			5	<6
(ii) Limits for General Population/Uncontrolled Exposure				
0.3-1.34	614	1.63	*(100)	<30
1.34-30	824/f	2.19/f	*(180/f ²)	<30
30-300	27.5	0.073	0.2	<30
300-1,500			f/1500	<30
1,500-100,000			1.0	<30

f = frequency in MHz. * = Plane-wave equivalent power density.

2.2. Test Procedure

Software provided by client enabled the EUT to transmit and receive data at lowest, middle and highest channel individually.

The temperature and related humidity: 18°C and 78% RH.

2.3. Test Result of RF Exposure Evaluation

Maximum Permissible Exposure:

Standalone modes:

Test Mode	Frequency Band (MHz)	Maximum conducted Power (dBm)	Maximum ERP Power (dBm)	Maximum Power (dBm)	Power Density at R = 20 cm (W/m ²)	Power Density Limit (W/m ²)	Result
Bluetooth	2402 ~ 2480	3.47	-0.76	3.47	0.004	10.00	Pass
Thread	2405 ~ 2480	3.66	-0.57	3.66	0.005	10.00	Pass
NFC	13.56	N/A	-0.44	-0.44	0.002	9.78	Pass

Note1: NFC Maximum ERP Power = E-field - 95.2 = 47.42 dBuV/m - 95.2 = -47.48dBm@3m
 47.48dBm@3m = -47.48dBm@3m + 40*Log(3m/20cm) = -47.48dBm + 47.04 = -0.44dBm
 Note2 : Power Density = $(10^{(\text{Maximum Power}/10)}/4/\pi/R^2 \times 10)$

Simultaneous transmission: Bluetooth + Thread + NFC

Test Mode	Frequency Range (MHz)	Maximum conducted Power (dBm)	Maximum ERP Power (dBm)	Maximum Power (dBm)	Limit of Power Density S (W/cm ²)	Power Density S at R = 20cm (W/m ²)	Rate	Limit	Result
Bluetooth	2402 ~ 2480	3.47	-0.76	3.47	10.00	0.0004	0.0011	1	Pass
Thread	2405 ~ 2480	3.66	-0.57	3.66	10.00	0.0005			
NFC	13.56	N/A	-0.44	-0.44	9.78	0.0002			

Note: So the safe use distance of the EUT is 20cm, without any other radio equipment.

_____ The End _____