

EMC TEST REPORT

FCC ID:2BPTI-W008C

Test Report No.....: EMC260806004-01-001

Product(s) Name.....: RV door lock

Model(s).....: W008-C

Trade Mark.....: N/A

Applicant.....: Dongguan Huaxun Plastic Technology Co., Ltd.

Address.....: Tangli, Fenggang Town, Room 302, Building 1, No. 16 Fumin
Road, Dongguan City

Receipt Date.....: 2026.08.08

Test Date.....: 2026.08.14~2026.08.17

Issued Date.....: 2026.08.17

Standards.....: FCC CFR47 Part 15 Subpart B;
ANSI C63.4:2014

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

Prepared By:	Checked By:	Approved By:	
Lemon He	Black Ding	Tim Zhang	
Lemon He	Black Ding	Tim Zhang	

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History of the test report

Original Report Issue Date: 2026.08.17

- No additional attachment
- Additional attachments were issued following record

Attachment No.	Issue Date	Description

1. Certification

Sample No.	POC260806004-S001
Product name	RV door lock
Model name	W008-C
Trade Mark	N/A
Power supply	DC 5V from type-C port or DC 6V from battery
Applicant/address	Dongguan Huaxun Plastic Technology Co., Ltd. Tangli, Fenggang Town, Room 302, Building 1, No. 16 Fumin Road, Dongguan City
Manufacturer /address	Dongguan Huaxun Plastic Technology Co., Ltd. Tangli, Fenggang Town, Room 302, Building 1, No. 16 Fumin Road, Dongguan City

Note:

1. For more detailed features description, please refer to the manufacturer's or the User's manual of the EUT.

2. Test Result Summary

2.1. Test Procedures According to The Technical Standard(s):

Emission				
Standard	Item	Result	Remarks	Tested in Lab
FCC Part 15 Subpart B ANSI C63.4	Conducted (Main Port)	N/A	Class B	Haiyun
	Radiated	PASS	Class B	Haiyun

Note:

- (1) "N/A" denotes test is not applicable in this test report.
(2) Haiyun: Shenzhen Haiyun Standard Technical Co., Ltd.

2.2. Measurement Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

Measurement uncertainty levels of Haiyun Lab		
Measurement	Measurement Frequency Range	Uncertainty
Radiated Emission	30MHz ~ 1GHz	±4.20dB
Radiated Emission	1GHz ~ 18GHz	±5.10dB
Radiated Emission	18GHz ~ 40GHz	±5.26dB
Conduction Emissions	150kHz ~ 30MHz	±2.68dB

2.3. Test Sites

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
FCC Designation Number	CN1340
A2LA Certificate Number	6823.01

2.4. Test Instruments List

No.	Name of Equipment	Manufacturer	Model Number	Serial Number	Inventory No.	Last Calibration	Due Calibration
Radiated Emission							
1	Test receiver	Rohde&Schwarz	ESU	100184	JLE011	2026/2/27	2027/2/26
2	Log periodic antenna	Schwarzbeck	VULB 9168	1151	JLE012	2025/4/12	2028/4/11
3	Low frequency amplifier	/	LNA 0920N	2014	JLE023	2026/2/27	2027/2/26
4	High frequency amplifier	Schwarzbeck	BBV 9718	9718-284	JLE024	2026/2/27	2027/2/26
5	Horn Antenna	SCHWARZBECK	BBHA 9120 D	02670	JLE028	2025/4/12	2028/4/11
6	Temp&Humidity Recorder	Meideshi	JR900	/	JLE021	2026/4/8	2027/4/7
7	Horn Antenna	SCHWARZBECK	BBHA 9170	9170#685	JLE029	2024/7/15	2027/7/14
8	Loop Antenna	SCHWARZBECK	FMZB1519B	00029	JLE030	2024/7/15	2027/7/14
9	Broadband preamplifier	Schwarzbeck	BBV9721	9721-019	JLE025	2026/2/27	2027/2/26
10	Test software	Farad Technology Co., Ltd	EZ-EMC Ver.TW-03A2				
Conducted Emission							
1	LISN	Rohde&Schwarz	ENV216	100075	JLE002	2025/3/1	2027/2/26
2	Test receiver	Rohde&Schwarz	ESCI	100718	JLE010	2025/3/1	2027/2/26
3	Pulse limiter	Rohde&Schwarz	ESH3-Z2	102299	JLE047	2025/3/1	2027/2/26
4	Temp&Humidity Recorder	Meideshi	JR900	/	JLE020	2025/4/15	2027/4/7
5	Test software	Farad Technology Co., Ltd	EZ-EMC Ver.TW-03A2				
RF Conducted Emission							
1	MXA Signal Analyzer	Agilent	N9020A	MY52220022	JLE090	2026/1/19	2027/1/18

3. General Information

3.1. Description of Test Modes

Test Mode	Description
Test mode 1	315MHz RX

Note:

1. We tested each mode and only recorded the data of the worst mode.

3.2. Description of Support Units

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

No.	Equipment	Model	Manufacturer	Series No
1	Adapter	HN-200325CP1	/	/

4. Emission Test

4.1. Conduction Emission Test

4.1.1. Limits

FREQUENCY (MHz)	Class A (dBuV)		Class B (dBuV)	
	Quasi-peak	Average	Quasi-peak	Average
0.15 - 0.5	79	66	66 - 56	56 - 46
0.50 - 5.0	73	60	56	46
5.0 - 30.0	73	60	60	50

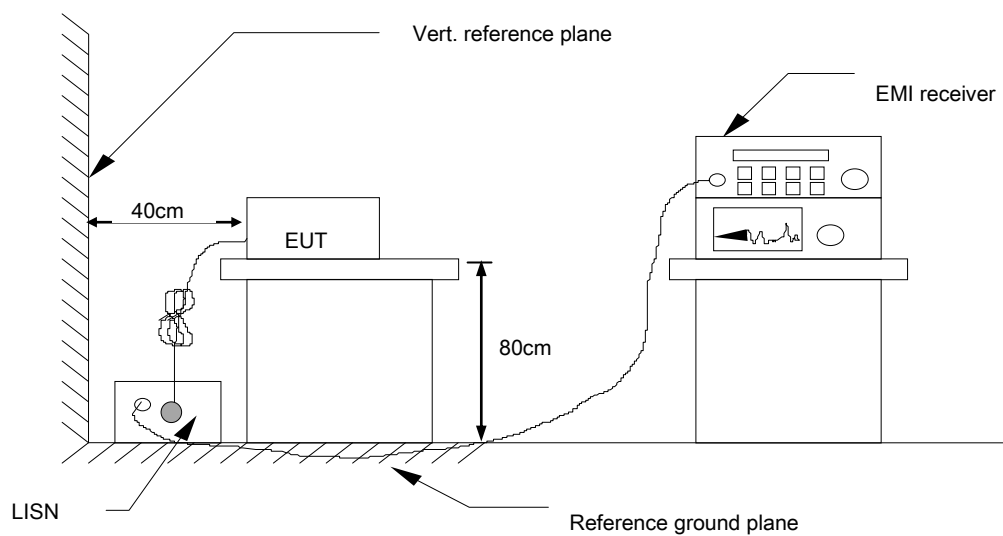
Note:

1. The lower limit shall apply at the transition frequencies.
2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.
3. All emanations from a class A/B digital device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified above.

4.1.2. Test Procedures

1. Test methods reference ANSI C63.4:2014.
2. The EUT was placed 0.8 m from the horizontal ground plane and 0.4 m from the vertical ground plane with EUT being connected to the power mains through a line impedance stabilization network (AMN). All other support equipment powered from additional AMN. The AMN provide 50 Ohm/ 50 uH of coupling impedance for the measuring instrument.
3. Interconnecting cables that hang closer than 0.4 m to the ground plane shall be folded back and forth in the center forming a bundle 0.3 m to 0.4 m long.
4. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance.
5. The frequency range from 150 kHz to 30 MHz was searched.
6. Actual test configuration, please refer to the related Item – EUT Test Photos.

4.1.3. Test set-up



For the actual test configuration, please refer to the related item – Photographs of the test configuration

4.1.4. Test Results

N/A

4.2. Radiated Emission Test

4.2.1.Limit

FCC Part15B

Frequency (MHz)	limits at 3m (dB μ V/m)		
	QP Detector	PK Detector	AV Detector
30 – 88	40.0	--	--
88 – 216	43.5	--	--
216 – 960	46.0		
960 – 1000	54.0	--	--
Above 1000	--	74.0	54.0

Highest frequency generated or used in the device or on which the device operates or tunes (MHz)	Upper frequency of measurement range (MHz)
Below 1.705	30.
1.705-108	1000.
108-500	2000.
500-1000	5000.
Above 1000	5th harmonic of the highest frequency or 40 GHz, whichever is lower.

Receiver Setup:

Frequency: (f) (MHz)	Detector type	Measurement receiver bandwidth	
		RBW	VBW
$30 \leq f \leq 1\,000$	Quasi Peak	120 kHz	300 kHz
$f \geq 1000$	Peak	1 MHz	3 MHz
	Average	1 MHz	3 MHz

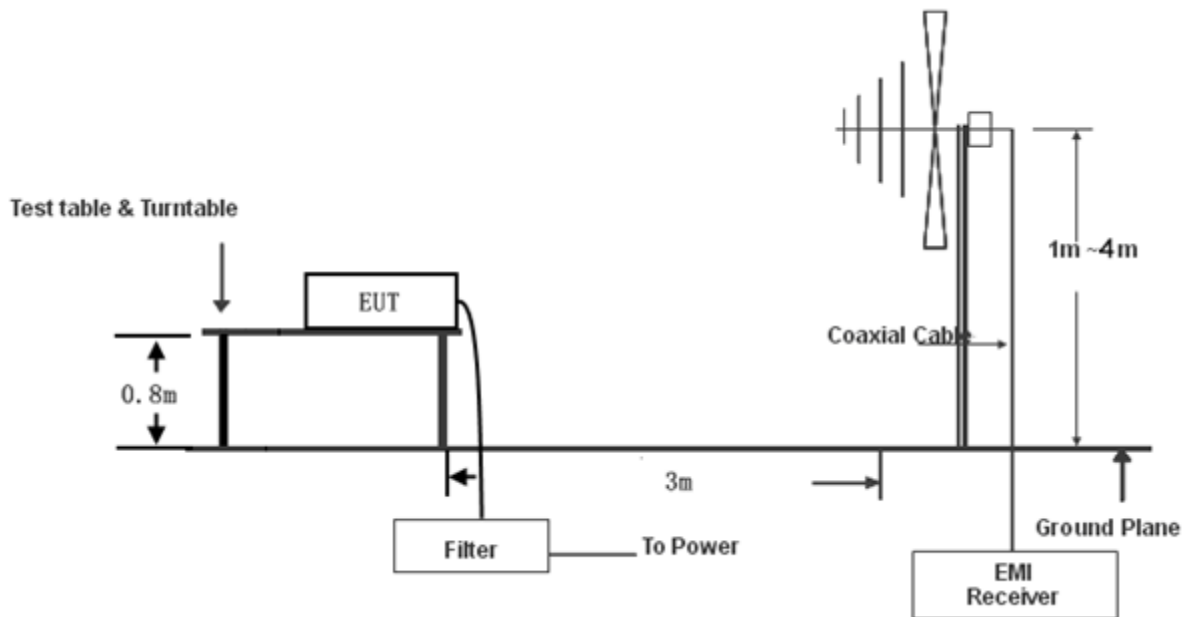
4.2.2. Test Procedures

Test methods reference ANSI C63.4:2014.

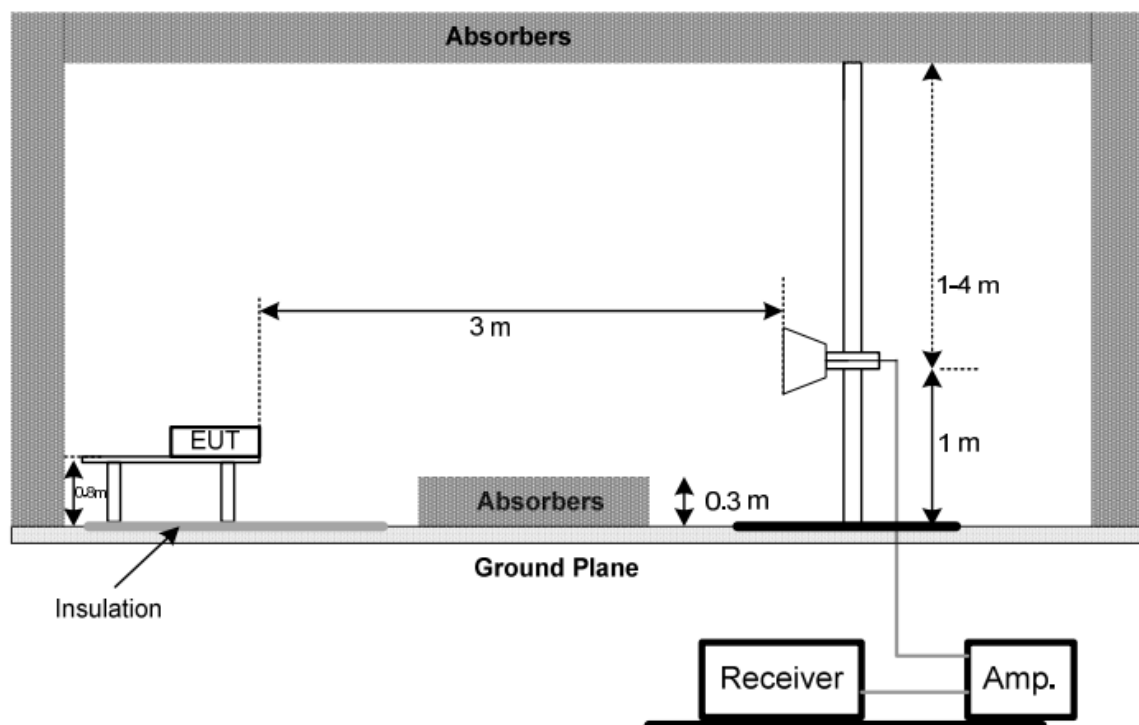
1. Below 1GHz, the measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 m above the ground at a 3 m semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
2. Above 1GHz, the measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 m above the ground at a 3 m semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
3. The height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
4. The initial step in collecting radiated emission data is a receiver peak detector mode.
5. Pre - scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
6. For above 1GHz, If the emission level of the EUT In "Peak Detection" mode is 20 dB lower than the "Average" limit (means that the emission level in "Peak Detection" mode also complies with the limit in "Average Mode"), testing will be stopped and "Peak" values of the EUT will be reported, otherwise, the emissions of the EUT will be measured in "Average Mode" again and then reported.
7. All readings are Peak unless otherwise stated QP in column of Note. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform. (below 1GHz).
8. All readings are Peak Mode value unless otherwise stated AVG in column of Note. If the Peak Mode Measured value compliance with the Peak Limits and lower than AVG Limits, the EUT shall be deemed to meet both Peak & AVG Limits and then only Peak Mode was measured, but AVG Mode didn't perform.(above 1GHz).

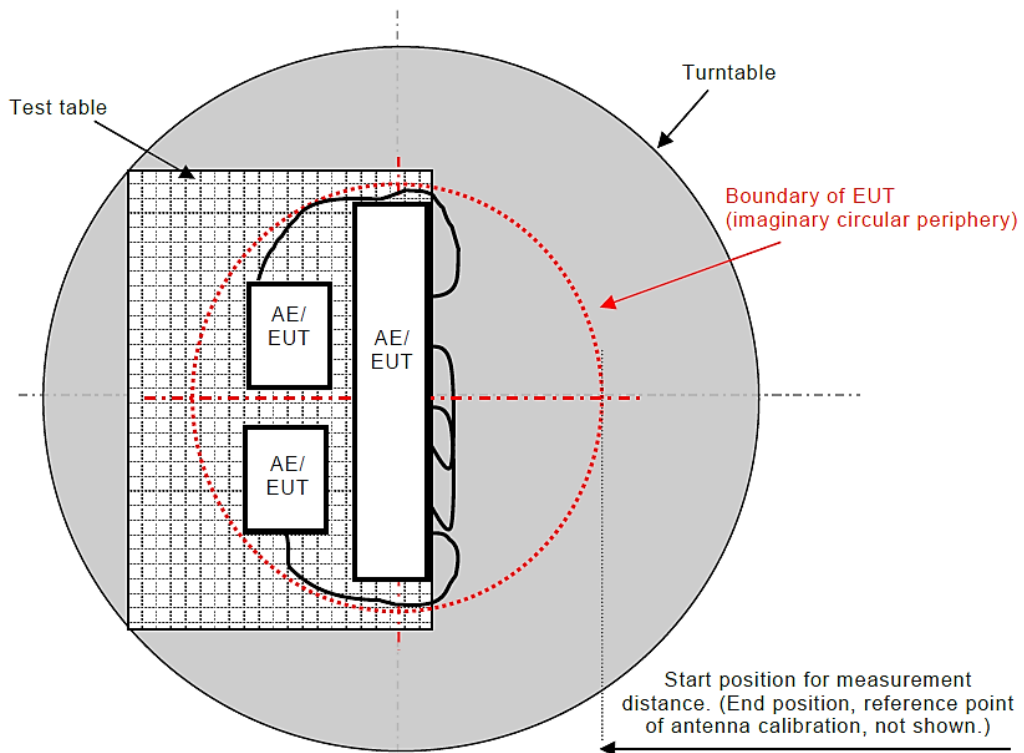
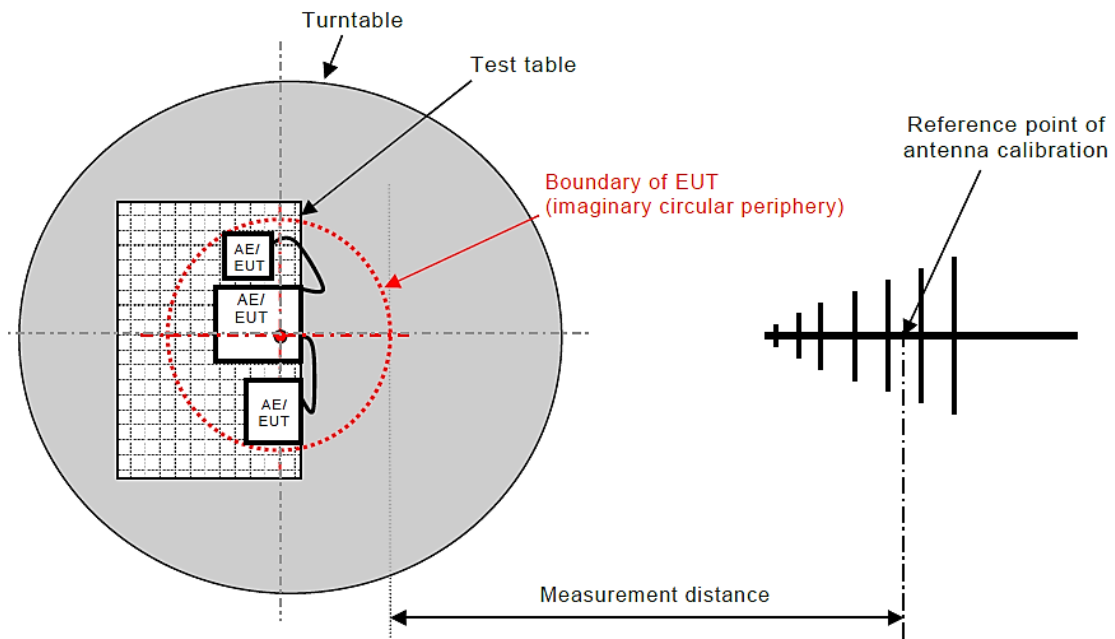
4.2.3. Test Set-up

Radiated measurement test set-up frequency below 1 GHz



Radiated measurement test set-up frequency above 1 GHz





For the actual test configuration, please refer to the related item – Photographs of the Test Configuration

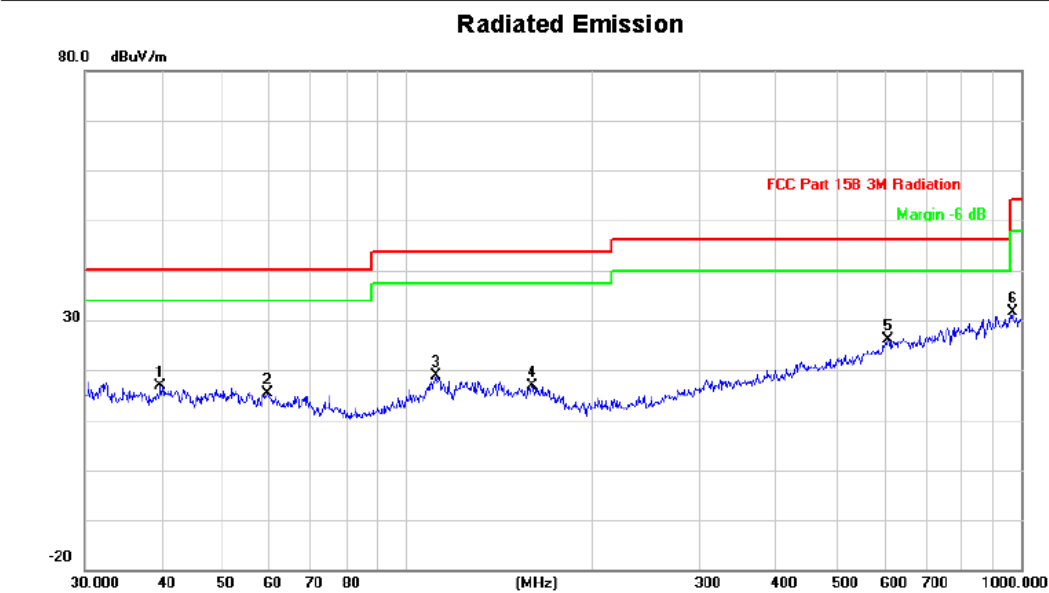
4.2.4.

4.2.5. Test Results

Below 1GHz

Product Model	RV door lock	Location	3m chamber
Environmental Conditions	23.8℃, 51% RH	Test Mode	Mode 1
Antenna Pole	Horizontal	Test voltage	AC 120V/60Hz
Tested by	Keith Huang	Test Results	Pass
Test Date	2026-08-17		

Note:



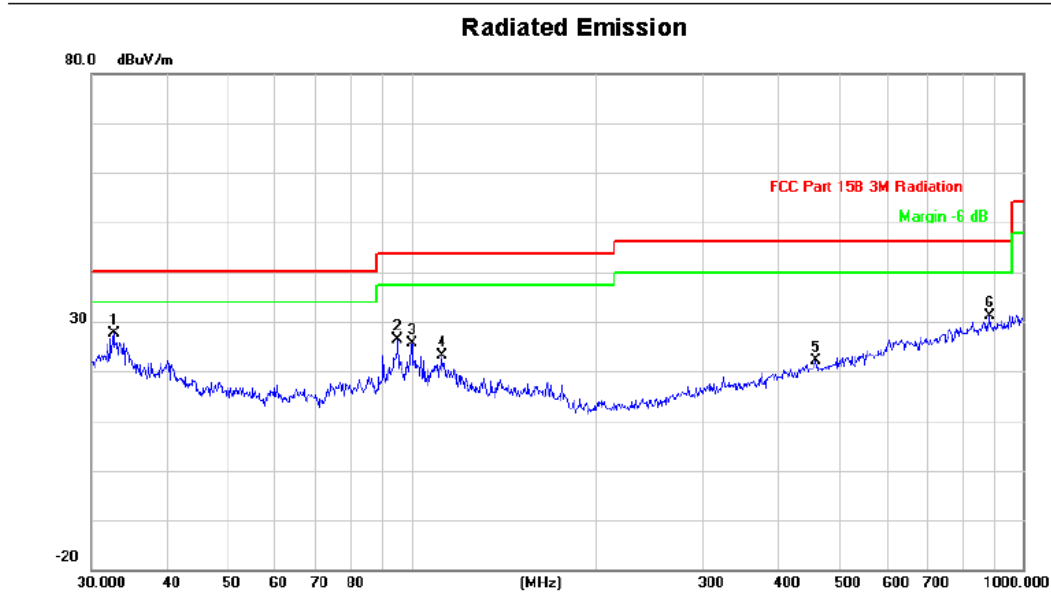
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		39.8542	27.01	-10.03	16.98	40.00	-23.02	peak		
2		59.4405	26.29	-10.92	15.37	40.00	-24.63	peak		
3		111.7380	30.40	-11.55	18.85	43.50	-24.65	peak		
4		160.3456	26.26	-9.33	16.93	43.50	-26.57	peak		
5	*	607.7867	28.47	-2.40	26.07	46.00	-19.93	peak		
6		968.9337	29.14	2.50	31.64	54.00	-22.36	peak		

Note:

1. Correct Factor = Antenna Factor + Cable Loss - Amplifier Gain
2. Measurement= Reading + Correct Factor.
3. Over = Result - Limit

Product Model	RV door lock	Location	3m chamber
Environmental Conditions	23.8°C, 51% RH	Test Mode	Mode 1
Antenna Pole	Vertical	Test voltage	AC 120V/60Hz
Tested by	Keith Huang	Test Results	Pass
Test Date	2026-08-17		

Note:



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Antenna	Table
		MHz	Level	Factor	ment			Height	Degree
			dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree
1	*	32.6340	38.98	-11.35	27.63	40.00	-12.37	peak	
2		95.0930	40.19	-13.73	26.46	43.50	-17.04	peak	
3		100.2285	38.93	-13.36	25.57	43.50	-17.93	peak	
4		112.1304	34.55	-11.48	23.07	43.50	-20.43	peak	
5		459.1144	27.98	-5.75	22.23	46.00	-23.77	peak	
6		884.5028	29.89	1.21	31.10	46.00	-14.90	peak	

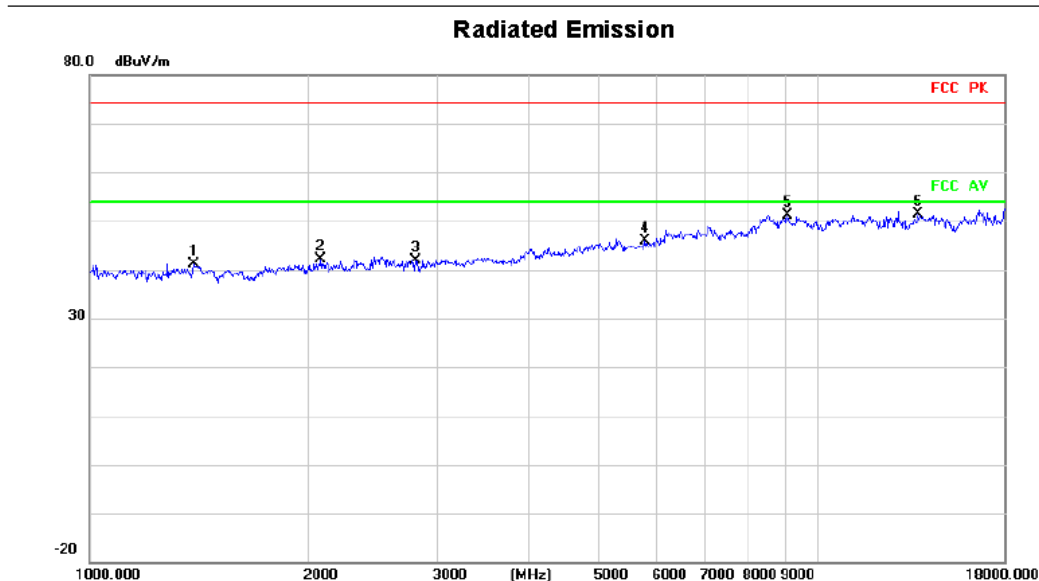
Note:

1. Correct Factor = Antenna Factor + Cable Loss - Amplifier Gain
2. Measurement= Reading + Correct Factor
3. Over = Result – Limit

Above 1GHz

Product Model	RV door lock	Location	3m chamber
Environmental Conditions	23.8°C, 51% RH	Test Mode	Mode 1
Antenna Pole	Horizontal	Test voltage	AC 120V/60Hz
Tested by	Keith Huang	Test Results	Pass
Test Date	2026-08-17		

Note:



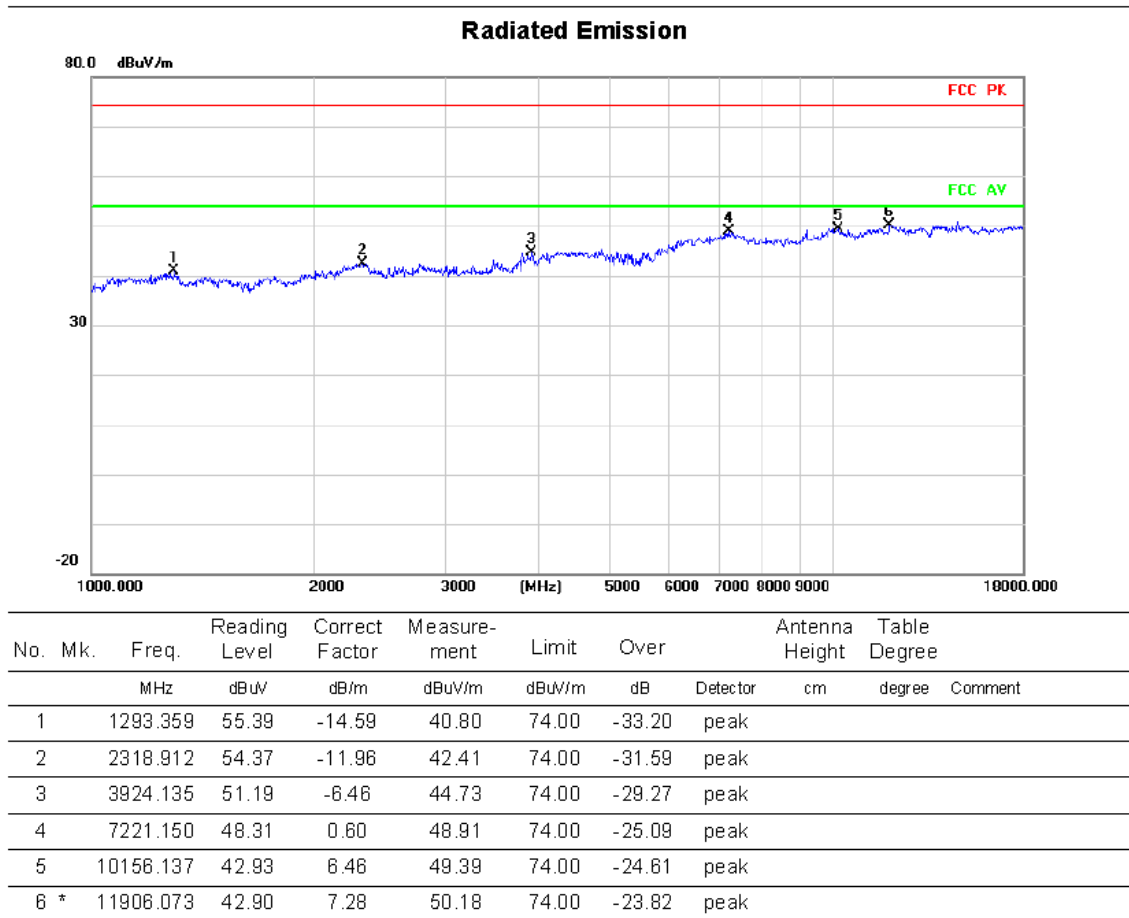
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree
1		1390.276	55.41	-14.28	41.13	74.00	-32.87	peak	
2		2077.705	54.73	-12.56	42.17	74.00	-31.83	peak	
3		2798.189	52.50	-10.51	41.99	74.00	-32.01	peak	
4		5780.300	50.01	-4.15	45.86	74.00	-28.14	peak	
5		9073.460	46.28	4.87	51.15	74.00	-22.85	peak	
6 *		13717.561	43.34	8.04	51.38	74.00	-22.62	peak	

Note:

1. Correct Factor = Antenna Factor + Cable Loss - Amplifier Gain
2. Measurement= Reading + Correct Factor.
3. Over = Result - Limit

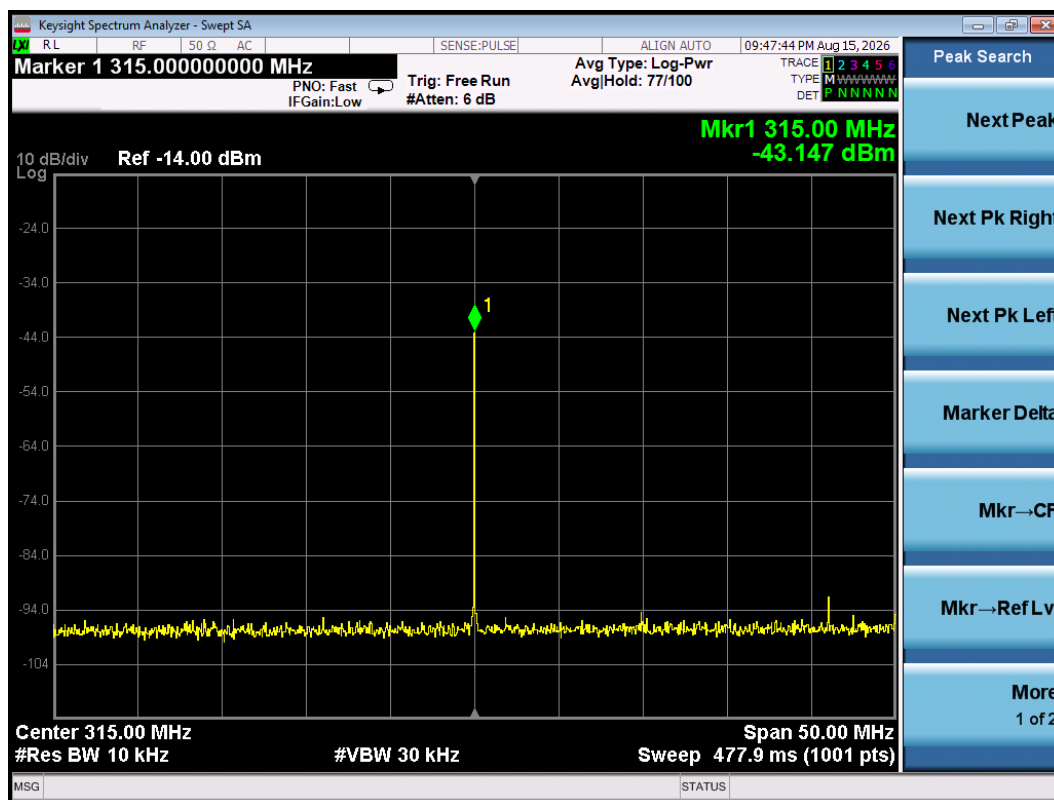
Product Model	RV door lock	Location	3m chamber
Environmental Conditions	23.8°C, 51% RH	Test Mode	Mode 1
Antenna Pole	Vertical	Test voltage	AC 120V/60Hz
Tested by	Keith Huang	Test Results	Pass
Test Date	2026-08-17		

Note:



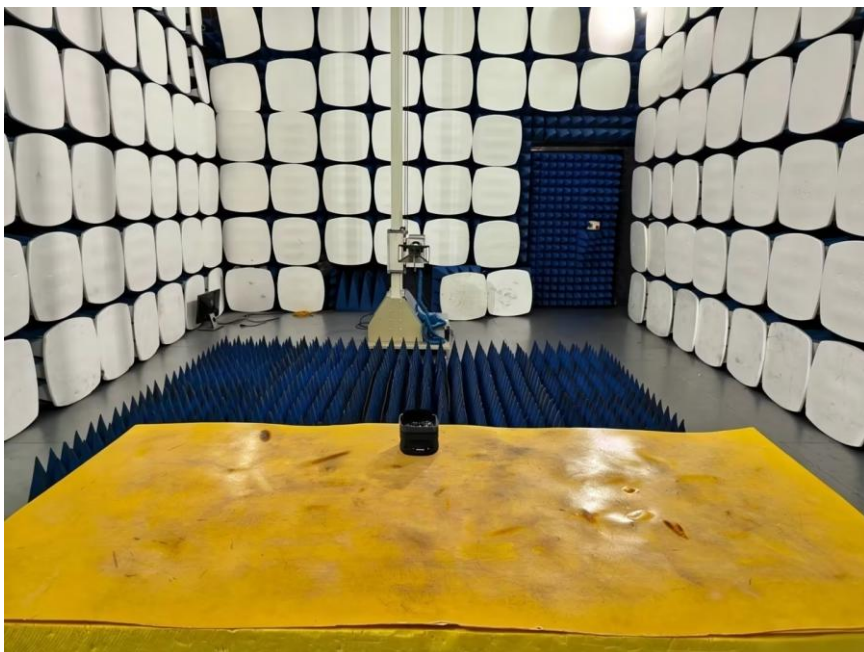
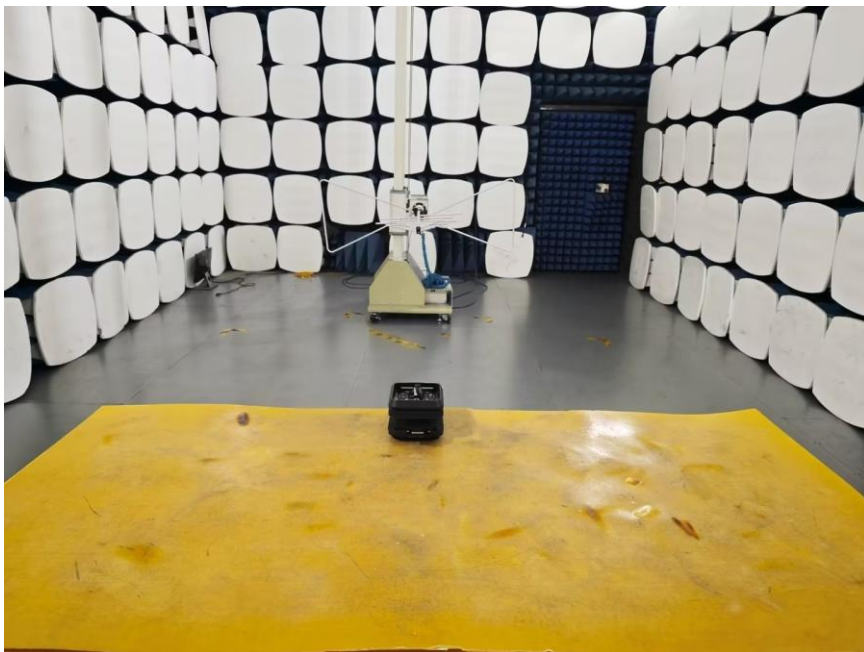
Note:

1. Correct Factor = Antenna Factor + Cable Loss - Amplifier Gain
2. Measurement= Reading + Correct Factor
3. Over = Result – Limit



This product does not fall under the category of super-regenerative receivers.

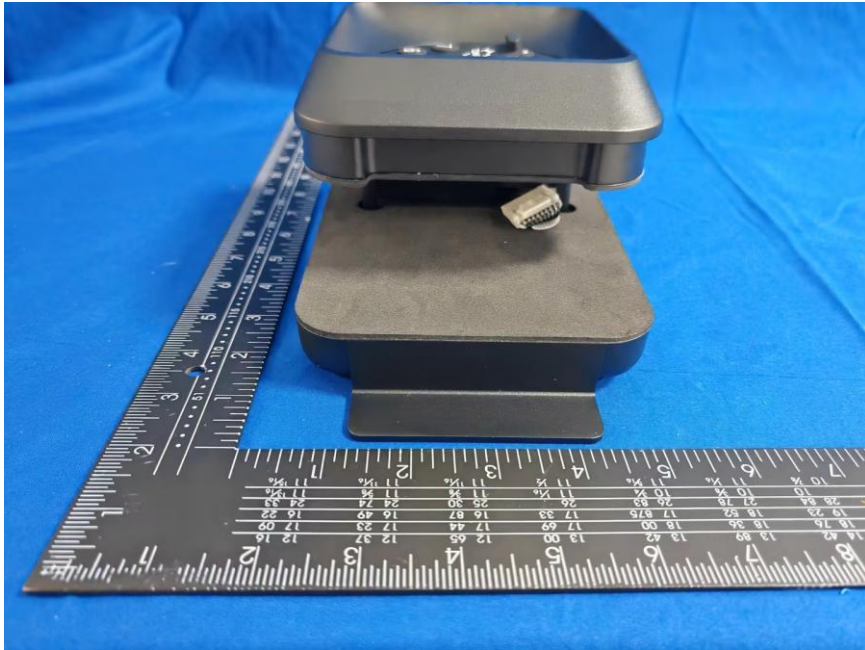
Appendix-A Test Photographs



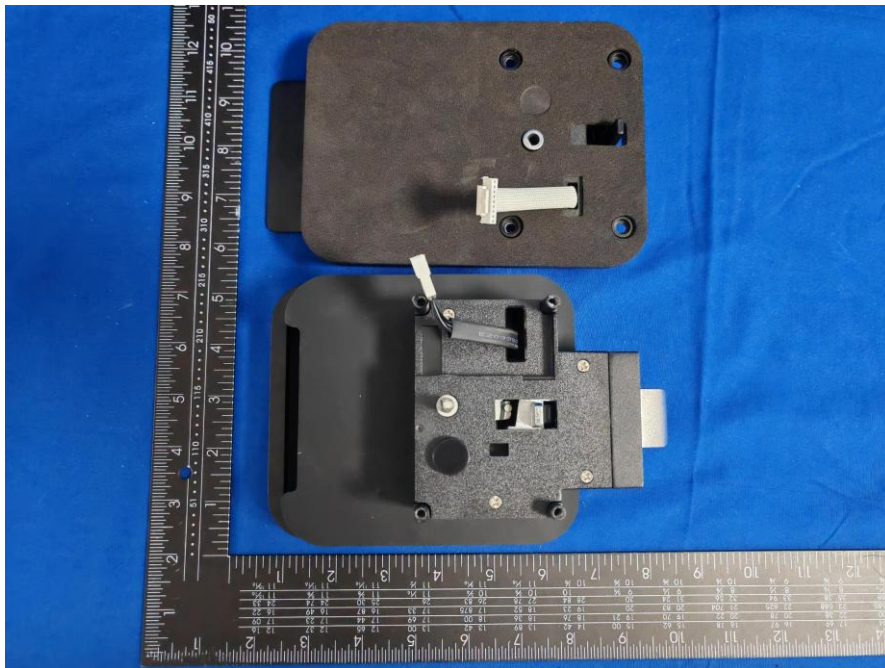
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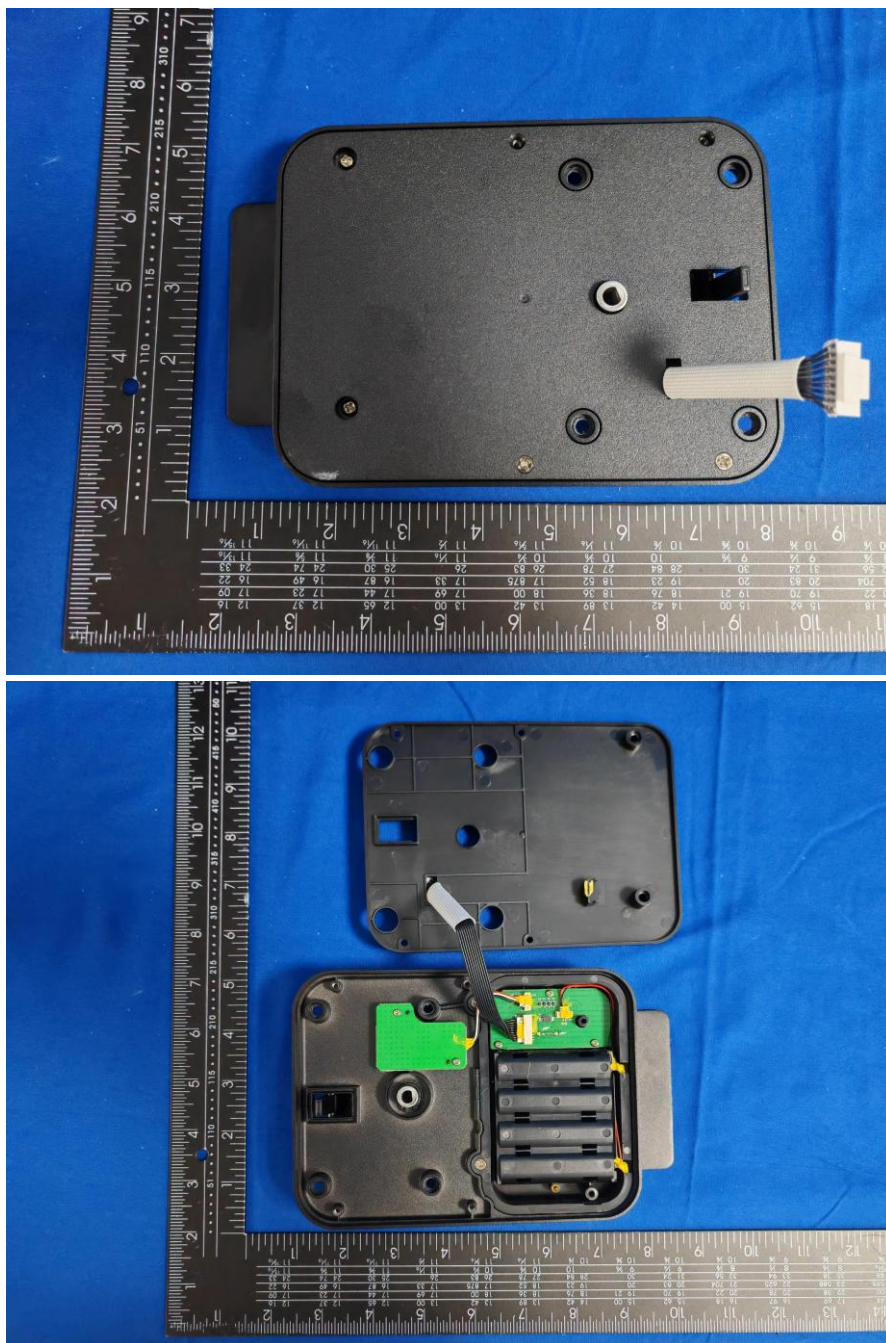
Appendix-B Photographs of EUT

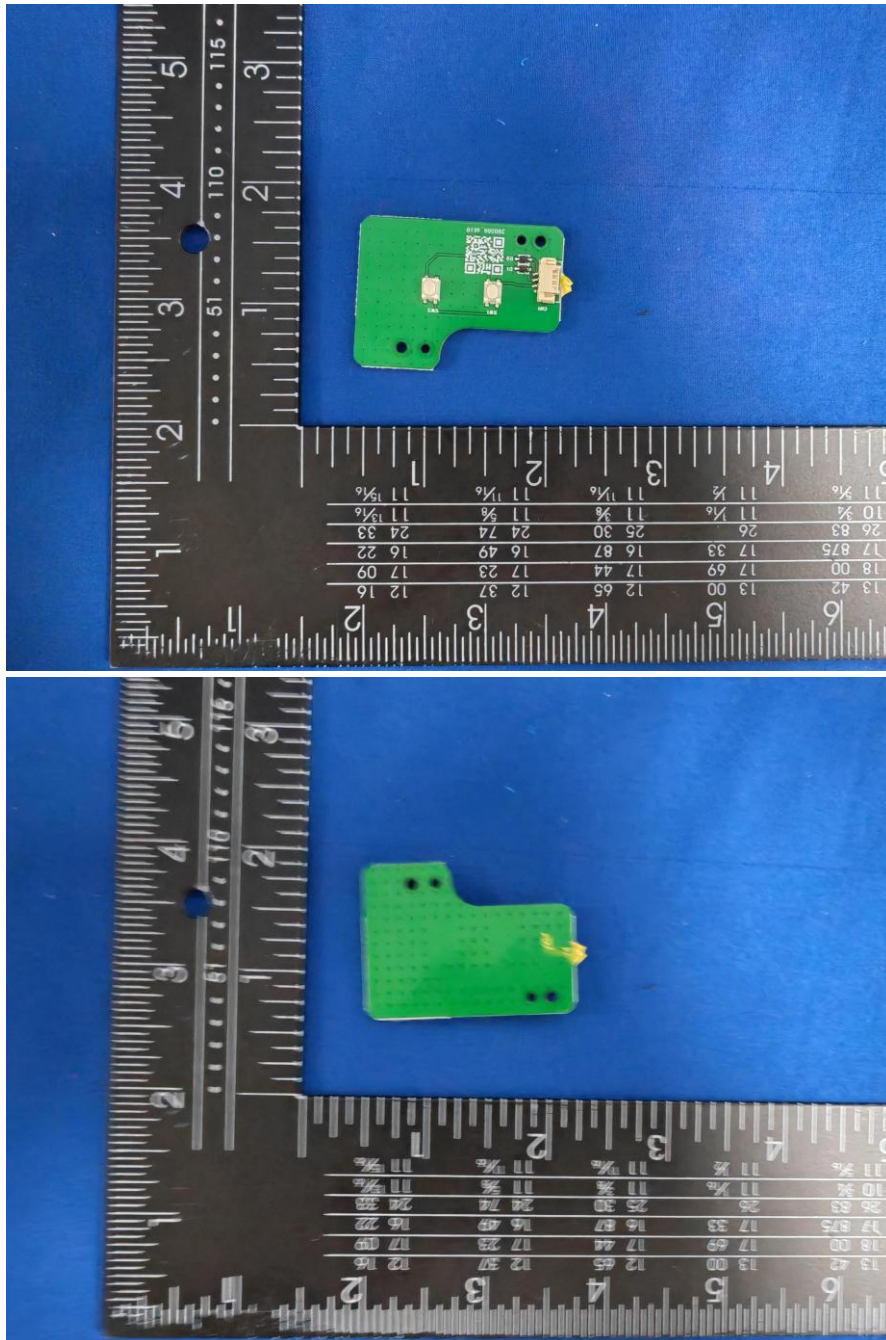


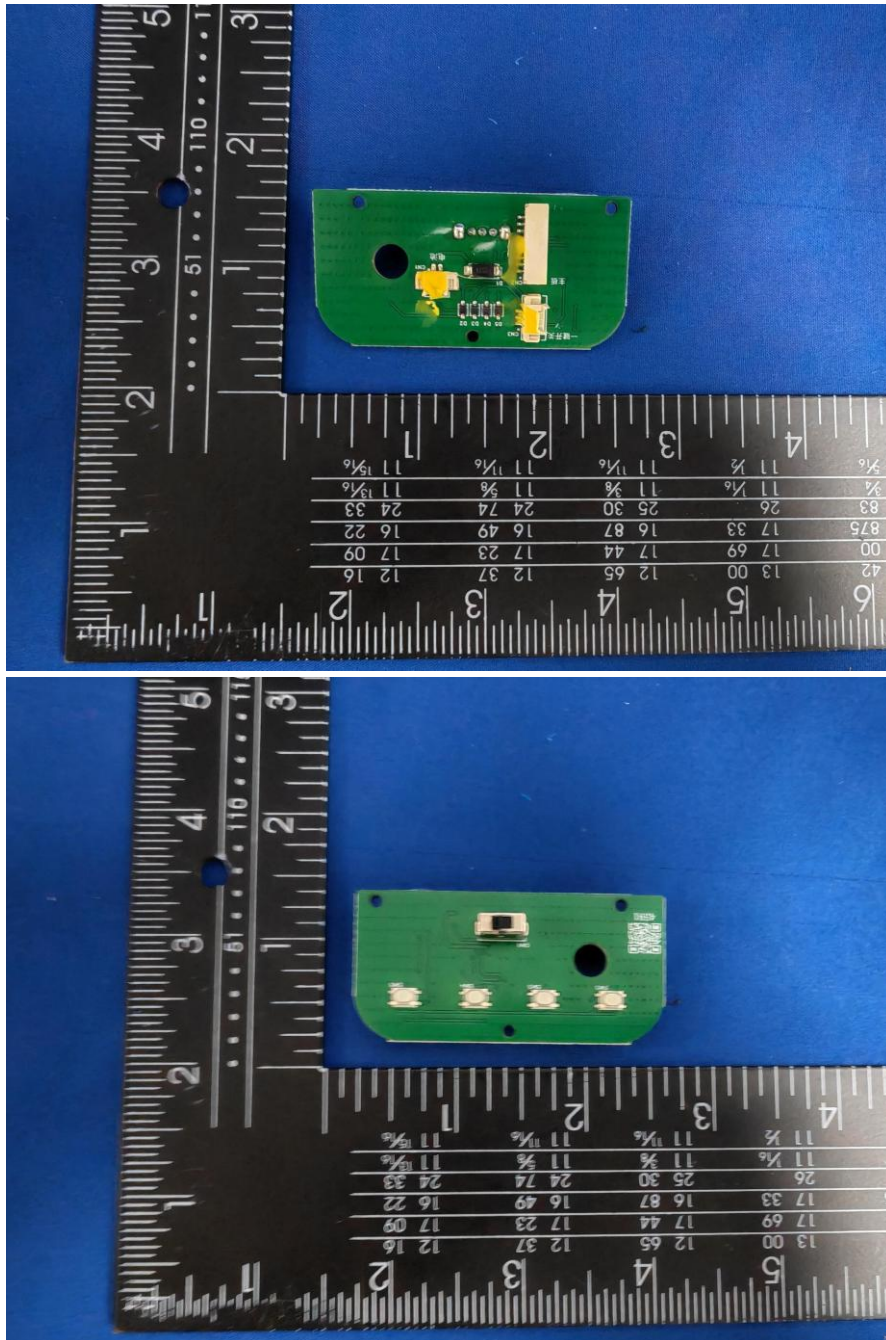


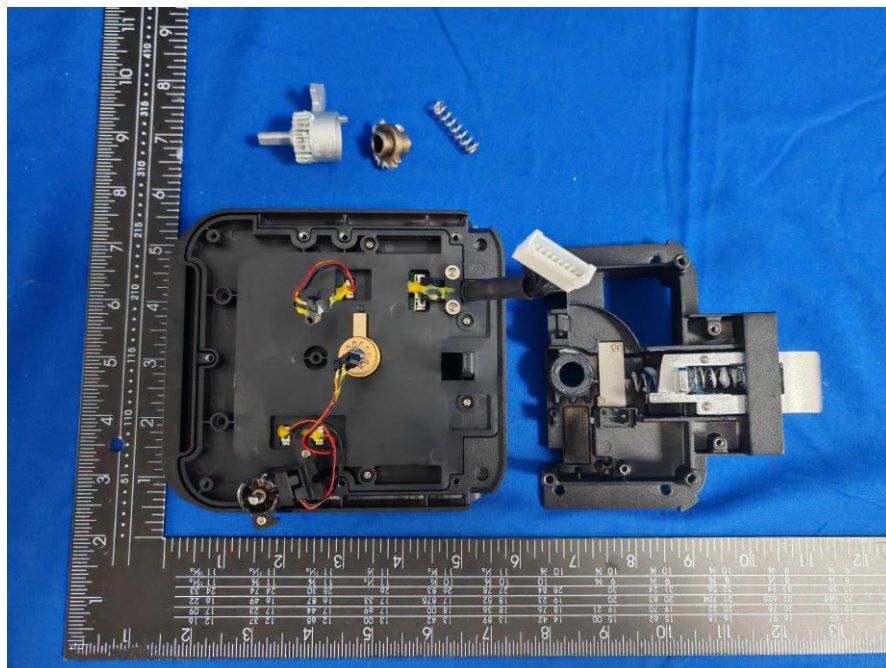
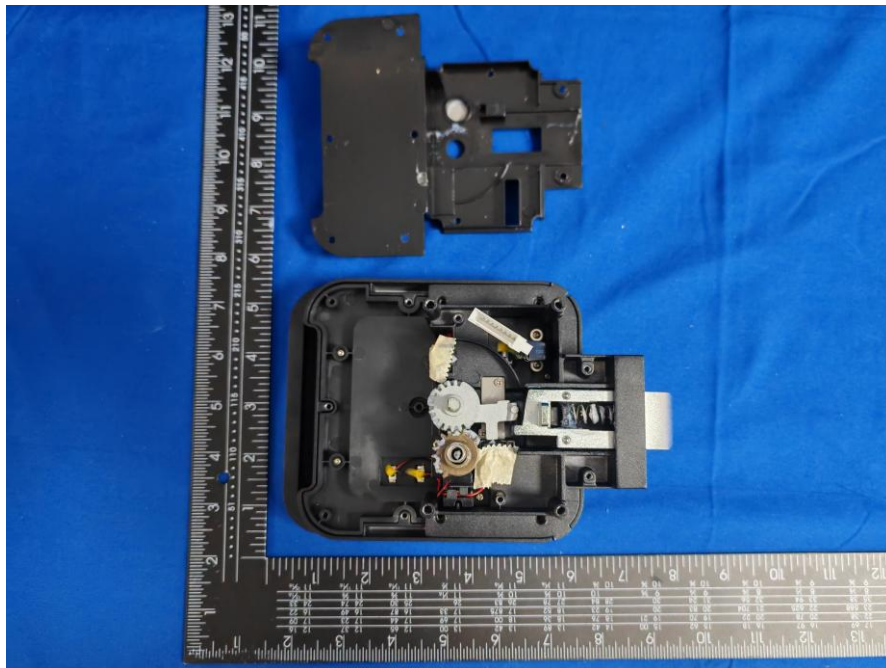


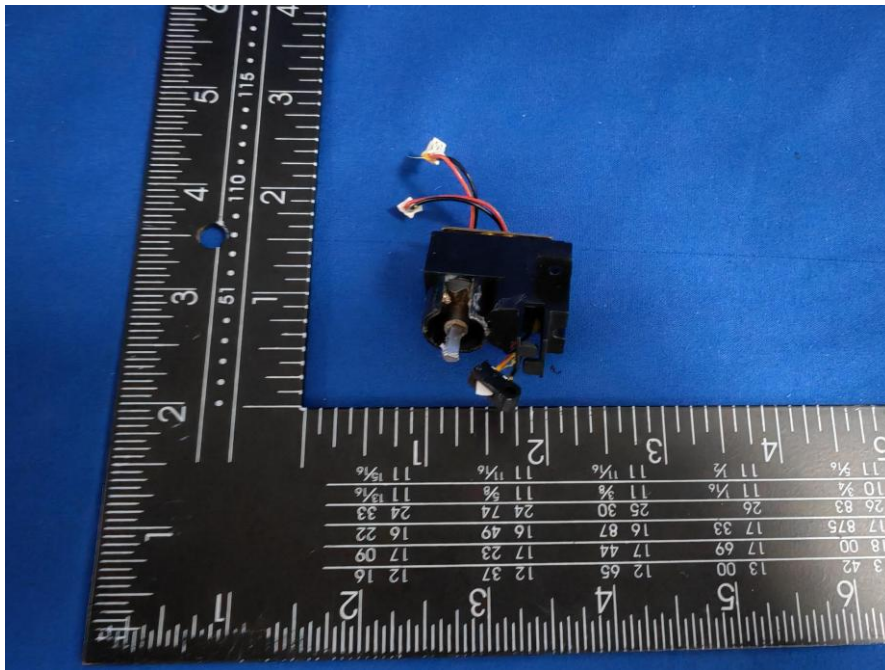


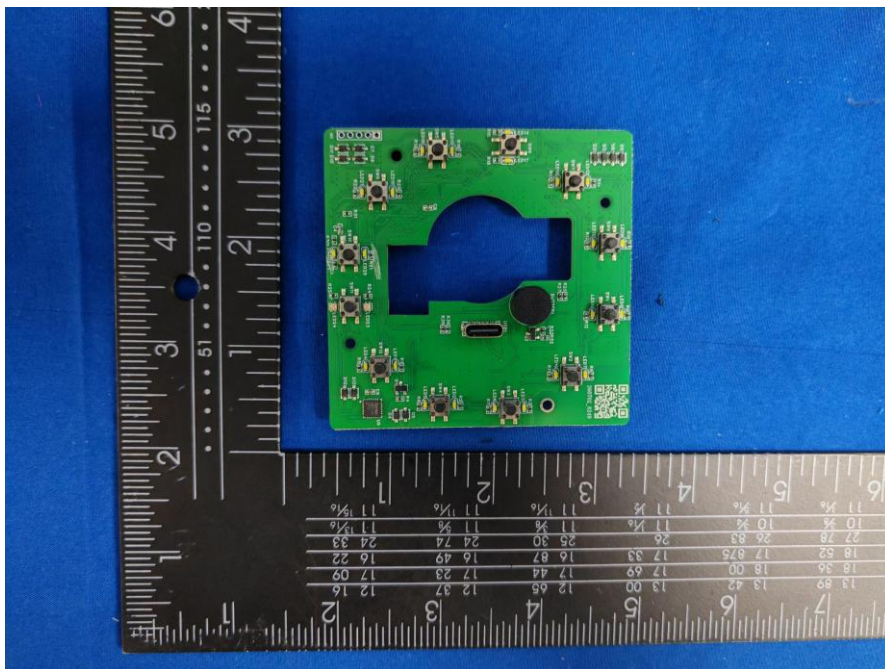
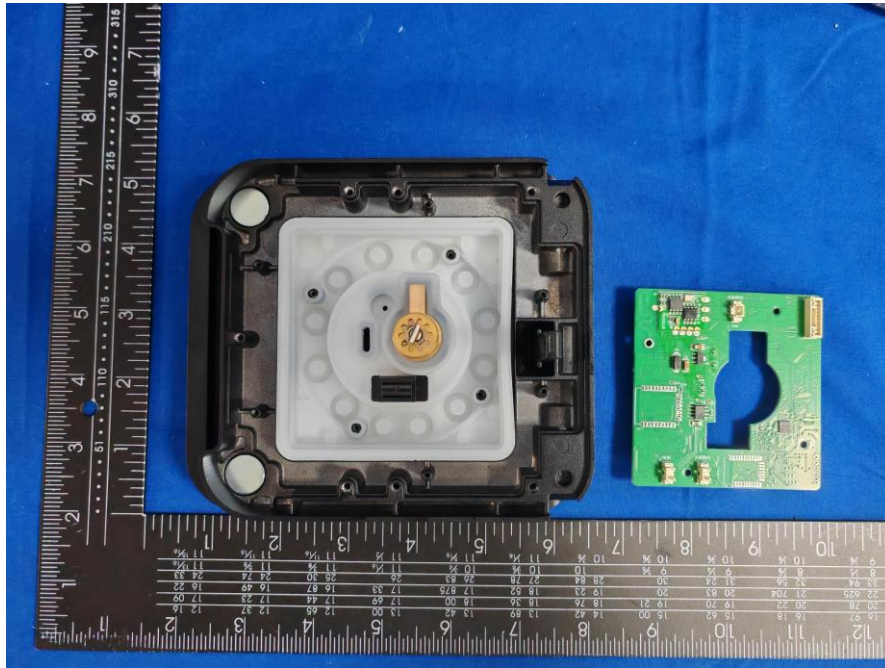


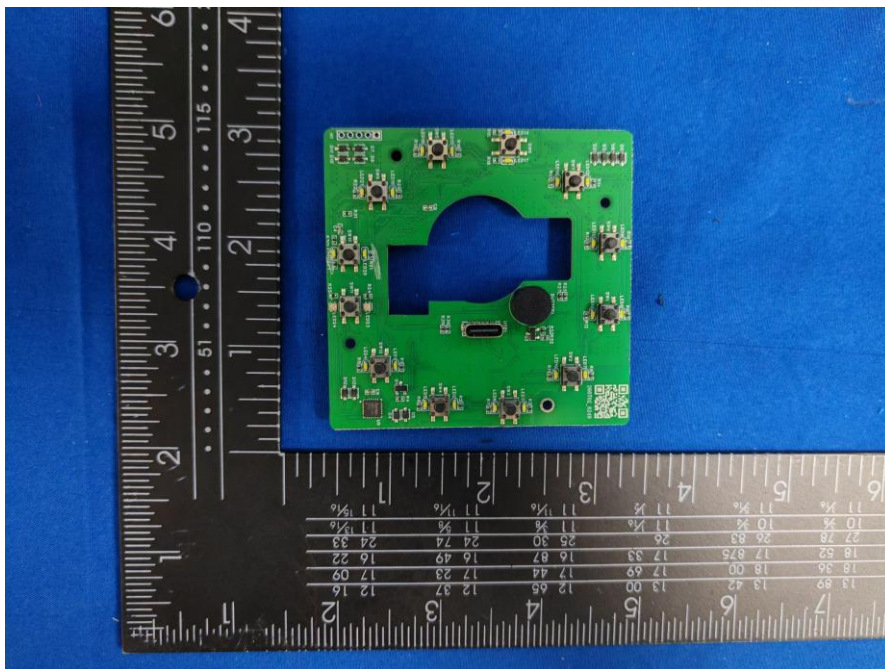
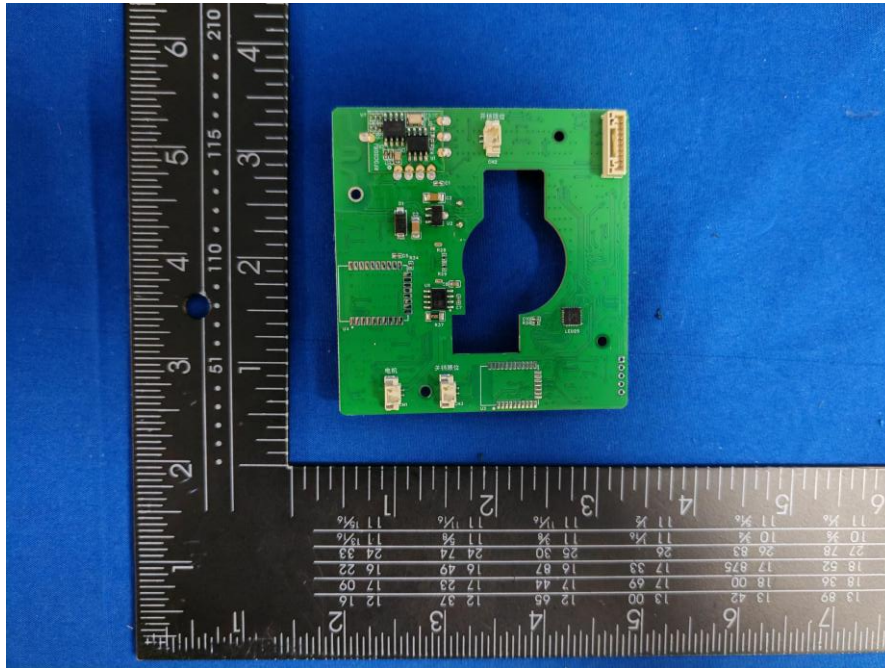












Statement

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 REPORT)