



Report No.: 86260324088

Date: March 28, 2026

Page 1 of 7

RF TEST REPORT

Applicant : TangibleFuture Innovation Technology (Shenzhen) Co., Ltd.

Address: Room 517, Nanshanyun Technology Building, Vanke Cloud City, Liuxin Third Street, Xili Community, Xili Sub-district, Nanshan District, Shenzhen City, Guangdong Province, China

Manufacturer: TangibleFuture Innovation Technology (Shenzhen) Co., Ltd.

Address: Room 517, Nanshanyun Technology Building, Vanke Cloud City, Liuxin Third Street, Xili Community, Xili Sub-district, Nanshan District, Shenzhen City, Guangdong Province, China

EUT Name: LOOI Robot

Trade mark: /

Model: L-01, L-02, L-03, L-04, L-05, L-06

FCC ID: 2BU4Q-L01

Rating: Type-C Input : DC 5V/2A, 9V/2A
3.7V by battery

Sample Received Date: Mar. 24, 2026

Test Date: Mar. 24, 2026~Mar. 27, 2026

Applicable Standards: CFR 47, FCC Part 2.1093

Test Result Pass

Prepared by: Evan Fang
Evan Fang/Project Engineer

Approved by: Bruce Zhang
Bruce Zhang/Technical Manager

HD Testing Technology (GuangDong) Co., Ltd.

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Revision History

Version	Date of Issue	Description
V00	March 28, 2026	Original Version

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1. GENERAL INFORMATION

1.1. EUT DESCRIPTION

Product:	LOOI Robot
Test Model:	L-01
Additional Model:	L-02, L-03, L-04, L-05, L-06
Rating:	Type-C Input : DC 5V/2A, 9V/2A Battery Model:TQ-P105050 3.7V 6000mAh
FCC ID:	2BU4Q-L01
Antenna Type:	Coil Antenna
Antenna Gain:	0dBi
Operation Frequency:	115-205kHz
Modulation Type:	MSK
Hardware Version:	N/A
Software Version:	N/A

Note:

- 1) For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.
- 2) Antenna gain was provided by the applicant/ manufacturer, and the applicant/ manufacturer is responsible for its validity.
- 3) The product model L-01 is the same PCB layout, electronic schematic and Antenna with L-02, L-03, L-04, L-05, L-06. Only the model name is difference.
- 4) The test results in the report only apply to the tested sample.

1.2. 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	Serial No.	Manufacturer
1	Adapter	MDY-12-EH	/	MI
2	Wireless Charging Load	/	/	EESON

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1.3. Test Equipment List

Equipment	Manufacturer	Model	Equipment No.	Cal. Date	Cal. Interval
Electromagnetic Radiation Analyzer	WAVECONTROL	SMP 160	KEYS-EL-287	Mar. 15, 2026	1 Year
EM Field probe	WAVECONTROL	WP400	KEYS-EL-288	Mar. 15, 2026	1 Year

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2. RF EXPOSURE EVALUATION

2.1. Requirement

Test Requirement:	FCC Rules and Regulations KDB680106 D01v04																																																																	
Test Method:	According to §1.1307(b)(1), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines. According to §1.1310 and §2.1093 RF exposure is calculated. According to KDB680106 D01: KDB 680106 D01 Wireless Power Transfer v03.																																																																	
Limit:	According to the item 3 of KDB 680106 D01v03: Inductive wireless power transfer applications that meet all of the following requirements are excluded from submitting an RF exposure evaluation.(1)Mobile Device and Portable Device Configurations(2)Equipment Authorization Procedures for Devices Operating at Frequencies Below.MHz(3)The aggregate H-field strengths anywhere at (15cm & 20cm) surrounding the device six surfaces. The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) radiation as specified in 1.1307(b)Limits for Maximum Permissible Exposure(MPE) <table><tr><th>Frequency range (MHz)</th><th>Electric field strength (V/m)</th><th>Magnetic field strength (A/m)</th><th>Power density (mW/cm²)</th><th>Averaging time (minutes)</th></tr><tr><td colspan="5">(A) Limits for Occupational/Controlled Exposures</td></tr><tr><td>0.3-3.0</td><td>614</td><td>1.63</td><td>*(100)</td><td>6</td></tr><tr><td>3.0-30</td><td>1842/f</td><td>4.89/f</td><td>*(900/f²)</td><td>6</td></tr><tr><td>30-300</td><td>61.4</td><td>0.163</td><td>1.0</td><td>6</td></tr><tr><td>300-1500</td><td>/</td><td>/</td><td>f/300</td><td>6</td></tr><tr><td>1500-100,000</td><td>/</td><td>/</td><td>5</td><td>6</td></tr><tr><td colspan="5">(B) Limits for General Population/Uncontrolled Exposure</td></tr><tr><td>0.3-1.34</td><td>614</td><td>1.63</td><td>*(100)</td><td>30</td></tr><tr><td>1.34-30</td><td>824/f</td><td>2.19/f</td><td>*(180/f²)</td><td>30</td></tr><tr><td>30-300</td><td>27.5</td><td>0.073</td><td>0.2</td><td>30</td></tr><tr><td>300-1500</td><td>/</td><td>/</td><td>f/1500</td><td>30</td></tr><tr><td>1500-100,000</td><td>/</td><td>/</td><td>1.0</td><td>30</td></tr></table> F=frequency in MHz *=Plane-wave equivalent power density RF exposure compliance will need to be determined with respect to 1.1307(c) and (d) of the FCC rules. The emissions should be within the limits at 300kHz in Table 1 of 1.1310(use the 300kHz limits for 150kHz:614V/m,1.63A/m).	Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)	(A) Limits for Occupational/Controlled Exposures					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	300-1500	/	/	f/300	6	1500-100,000	/	/	5	6	(B) 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	300-1500	/	/	f/1500	30	1500-100,000	/	/	1.0	30
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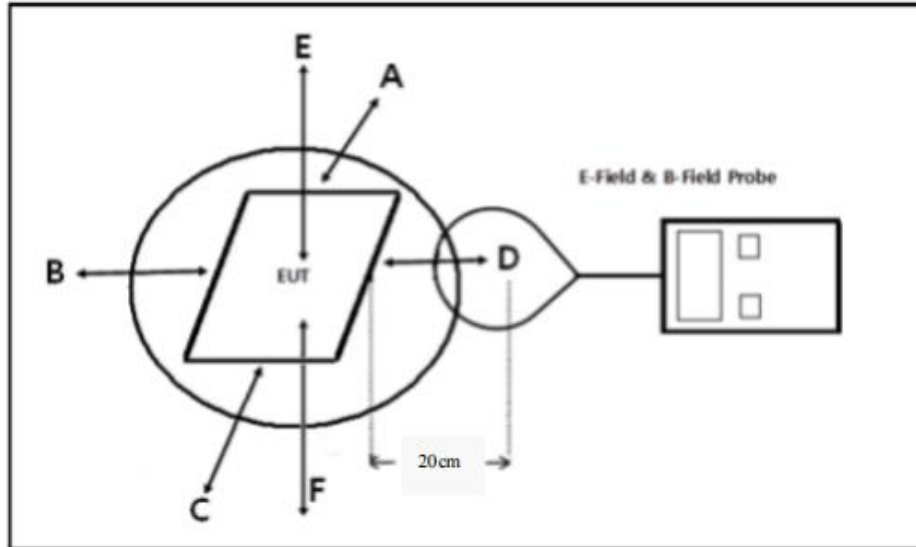
E-mail: info@hdt-lab.com

Website: www.hdt-lab.com

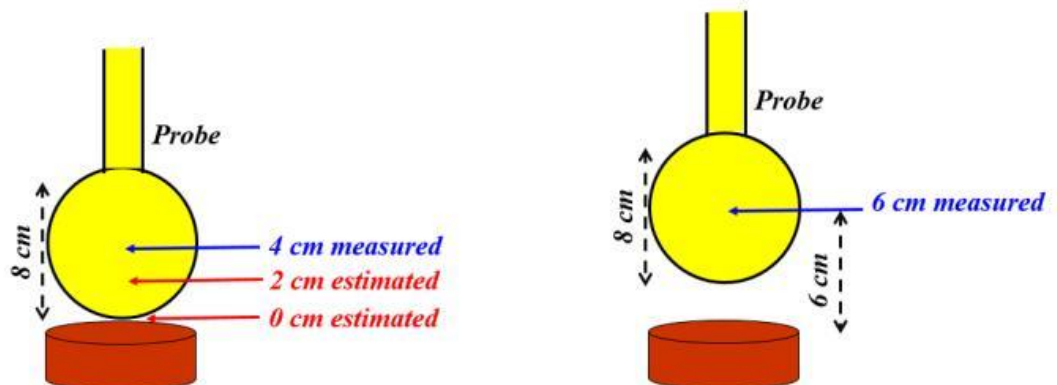
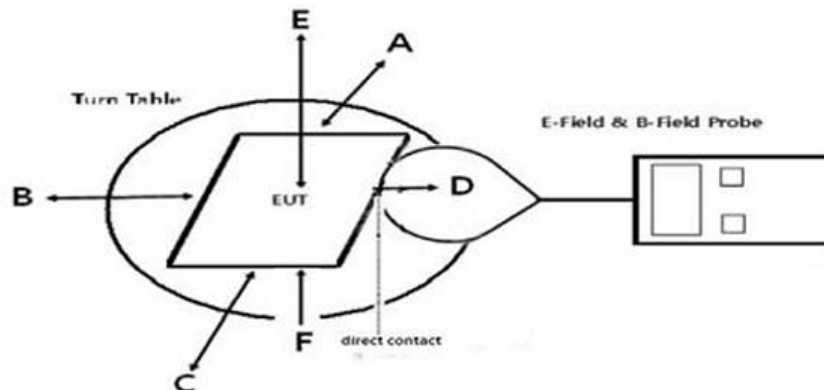
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Test Setup

For mobile exposure conditions



For Portable exposure conditions:



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Test Procedure:	1.The RF exposure test was performed in anechoic chamber. 2.The measurement probe was placed at test distance (0cm ~ 20cm) which is between the edge of the charger and the geometric center of probe. 3.The highest emission level was recorded and compared with limit as soon as measurement of each points (A,B.C.D.E,F) were completed. 4.The EUT was measured according to the dictates of KDB 680106 D01v03
Test Mode:	Mode 1:Adapter + EUT+ Wireless Charging load (Phone:5W) Mode 2:Adapter + EUT+ Wireless Charging load (Phone:7.5W) Mode 3:Adapter + EUT+ Wireless Charging load (Phone:10W) Mode 4:Adapter + EUT+ Wireless Charging load (Phone:5W) Mode 5:Adapter + EUT+ Wireless Charging load (Phone:7.5W) Mode 6:Adapter + EUT+ Wireless Charging load (Phone:10W) Mode 7: EUT+ Wireless Charging load (Phone:5W) Mode 8: EUT+ Wireless Charging load (Phone:7.5W) Mode 9: EUT+ Wireless Charging load (Phone:10W)
Test Result:	PASS

2.2. Evaluation Result

The probe radius is 6.4 cm.Only the worse mode 6 was record in this report.

Note:All client power has been assessed (1%,50%, 99%), and the 1% battery status of client device was the worst.

Test Distance (cm)	Unit	Position A	Position B	Position C	Position D	Position E	Position F	Limit (A/m)	Result
20	uT	0.072	0.081	0.536	0.069	0.072	0.061	--	--
	A/m	0.058	0.065	0.429	0.055	0.058	0.049	1.63	PASS

Note: Am=uT/1.25

2.3. EUT Test Photo



*** End of Report ***

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