



EMF TEST REPORT

Product Name: AC charging pile

Model Number: CNAC-48A*2-RE-06, CNAC-xxA**-***-aa

FCC ID: 2BTQB-48RGWB

Issued For : Real See (Suzhou) Intelligent Technology Co., Ltd
West of Building 8, Xinhong Industrial Park, No.9 Suhong
West Road, Suzhou Industrial Park, Suzhou City, Jiangsu
Province

Issued By : Shenzhen LGT Test Service Co., Ltd.
Room 205, Building 13, Zone B, Zhenxiong Industrial Park,
No.177, Renmin West Road, Jinsha, Kengzi Street, Pingshan
District, Shenzhen, Guangdong, China

Report Number: LGT25K280HA01

Sample Received Date: Nov. 27, 2025

Date of Test: Nov. 27, 2025 ~ Dec. 18, 2025

Date of Issue: Dec. 18, 2025

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TEST REPORT CERTIFICATION

Applicant: Real See (Suzhou) Intelligent Technology Co., Ltd
Address: West of Building 8, Xinhong Industrial Park, No.9 Suhong West Road, Suzhou Industrial Park, Suzhou City, Jiangsu Province

Manufacturer: Real See (Suzhou) Intelligent Technology Co., Ltd
Address: West of Building 8, Xinhong Industrial Park, No.9 Suhong West Road, Suzhou Industrial Park, Suzhou City, Jiangsu Province

Factory: Pozeen (Malaysia) Sdn Bhd
Address: 2A, Lrg Haji Abdul Manan 1A/KU8, Kawasan Perindustrian Meru Selatan, 41050 Klang, Selangor

Product Name: AC charging pile

Trademark: N/A

Model Number: CNAC-48A*2-RE-06, CNAC-xxA**-***-aa

Sample Status: Normal

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
FCC 47 CFR §2.1091 KDB 447498 D01 General RF Exposure Guidance v06	PASS

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Revision History

Rev.	Issue Date	Revisions
00	Dec. 18, 2025	Initial Issue



1. GENERAL INFORMATION

1.1 GENERAL DESCRIPTION OF THE EUT

Product Name:	AC charging pile	
Test Model Number:	CNAC-48A*2-RE-06	
Series Number:	CNAC-xxA**-***-aa	
Model Difference:	All products belong to the same series, with the same design principle and PCB layout, only appearance, size and power are different. Where xxA can be 48A or 80A, which represents product output current. Where ** can be blank or *2, which represents single Vehicle connector or double vehicle connector. Where *** can be two to three letters from R,E,P, which represents communication and payment methods, R for RFID, E for Ethernet, P for POS machine. Where aa can be 03, 04, 05 or 06, which represents different appearance.	
Frequency Bands:	NFC	13.56MHz
	Modulation Type:	FSK
	Antenna Type:	Coil Antenna
	Antenna Gain:	0dBi
Rating:	Input: AC 240V, 60 Hz, 96A	
Hardware Version:	N/A	
Software Version:	N/A	

1.2 TEST LABORATORY

Company Name:	Shenzhen LGT Test Service Co., Ltd.
Address:	Room 205, Building 13, Zone B, Zhenxiong Industrial Park, No.177, Renmin West Road, Jinsha, Kengzi Street, Pingshan District, Shenzhen, Guangdong, China
Accreditation Certificate:	FCC Registration No.: 746540
	CAB ID: CN0136



2. FCC 47CFR §2.1091 REQUIREMENT

2.1 TEST STANDARDS

The limit for Maximum Permissible Exposure (MPE) specified in FCC 1.1310 is followed. The gain of the antennas used in the product is extracted from the Antenna data sheets provided and also the maximum total power input to the antenna is measured. Through the Friis transmission formula and the maximum gain of the antenna, we can calculate the distance, away from the product, where the limit of MPE is reached.

Although the Friis Transmission formula is far field assumption, the calculated result of that is an over-prediction for near field power density. It is taken as worst case to specify the safety range.

2.2 LIMIT

According to FCC 1.1310: The criteria listed in the following table shall be used to evaluate the environmental impact of the human exposure to radio-frequency (RF) radiation as specified in 1.1307 (b)

Limits for Maximum Permissible Exposure (MPE)

Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (mW/cm ²)
Limits for Occupational / controlled Exposures			
0.3-3.0	614	1.63	*(100)
3.0-30	1842/f	4.89/f	*(900/f ²)
30-300	61.4	0.163	1.0
300 - 1500	--	--	F/300
1500 – 100000	--	--	5.0
Limits for General population / Uncontrolled Exposure			
0.3-1.34	614	1.63	*(100)
1.34-30	824/f	2.19/f	*(180/f ²)
30-300	27.5	0.073	0.2
300 - 1500	--	--	F/1500
1500 – 100000	--	--	1.0

F= Frequency in MHz

* = Plane-wave equivalent power density.

Friss Formula

Friss Transmission Formula: $P_d = (P_{out} * G) / (4 * \pi * r^2)$

Where

P_d = power density in mW/cm²

P_{out} = output power to antenna in mW

G = gain of antenna in linear scale

π = 3.1416

R = Distance between observation point and the center of radiator in cm

If we know the maximum gain of the antenna and the total output power to the antenna, through calculation, we will know MPE value at distance 20cm.



2.3 EUT OPERATION CONDITION

EUT was enabled to transmit and receive at lowest, middle and highest channels.

2.4 CLASSIFICATION

The antenna of this product, under normal use condition, is at least 20cm away from the body of the user. Warning statement to the user for keeping at least 20cm or more separation distance from the antenna should be included in the User manual. So, this device is classified as Mobile device.



2.5 TEST RESULT

Turn up Result

Mode	Turn up Power
NFC	-41.5±1dBm

The MPE result of worst mode:

RF Function	Frequency (MHz)	Max Turn up Power (dBm)	Max Turn up Power (mW)	ANT Gain (dBi)	ANT Gain (gain of antenna in linear scale)	Power Density (mW/cm ²)	Limit (mW/cm ²)	Ratio	Result
NFC	13.56	-40.50	0.00009	0	1.00	0.000000018	27.5	0.00000000064	Pass

Note:

1. The RF Exposure is less than the limit, complies with the exemption requirements.

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