

EMC TEST REPORT

For

USB HEATING INSOLES

Model No.: GC8204

Prepared for : Yue Zhen Sheng Necessities Factory
Address : Zhejiang Province

Prepared By : Shenzhen KAXU Testing Technology Co., Ltd
Address : Room 316, 3rd Floor, Building A, Jinbo Industrial Park, Langhua Street, Luohua District, Shenzhen

Tel : +86-755-85254458
Fax : +86-755-85254458
Web : www.kti-lab.com

Report Number : KTI200918E014
Date of Receipt : Sept. 14, 2020
Date of Test : Sept. 14-16, 2020
Date of Report : Sept. 18, 2020

Table of Contents

Test Result Certification	3
1 General Description	4
1.1 Description of EUT	4
1.2 Test mode	4
1.3 Test setup	4
1.4 Ancillary equipment	4
2 Summary of Test Result	5
3 Test Facilities and Accreditations	6
3.1 Test laboratory	6
3.2 Environmental conditions	6
3.3 Measurement uncertainty	6
3.4 Test software	6
4 List of Test Equipment	7
5 Emission test	9
5.1 Conducted emission	9
5.2 Radiated emission	12
5.3 Disturbance power	16
5.4 Harmonic current emission / Voltage fluctuations & flicker	17
6 Immunity test	18
6.1 Performance criteria	18
6.2 Electrostatic discharge (ESD)	19
6.3 Radiated electromagnetic field immunity (RS)	21
6.4 Conducted disturbances (CS)	22
6.5 Power frequency magnetic field	23
6.6 Electrical fast transients/burst (EFT/BS)	24
6.7 Surges	25
6.8 Voltage dips and interruptions	26
6.9 Broadband impulse noise disturbances repetitive	27
6.10 Broadband impulse noise disturbances isolated	29
Photographs of the Test Setup	29
Photographs of the EUT	31

Test Result Certification

Applicant's name: Yue Zhen Sheng Necessities Factory
Address: First Floor of No. 1, Building A, Shengxin Village, Jiangping Street, Yue City, Jinhua City, Zhejiang Province
Manufacturer's Name: Yue Zhen Sheng Necessities Factory
Address: First Floor of No. 1, Building A, Shengxin Village, Jiangping Street, Yue City, Jinhua City, Zhejiang Province
Product name: USB HEATING INSOLES
Model name: GC8204
Trademark: N/A
Standards: EN 55014-1:2017
EN 55014-2:2015
EN IEC 61000-3-2:2019
EN 61000-3-3:2013+A1:2019

This device described above has been tested by Shenzhen KAXU Testing Technology Co., Ltd. and the test results show that the equipment under test (EUT) is in compliance with the EMC requirements. And it is applicable only to the tested sample identified in the report.

Tested by: Eric Zhang
Reviewed by: Terry Huang
Approved by: Stone Chu
Eric Zhang
Terry Huang
Stone Chu
Sept. 18, 2020



1 General Description

1.1 Description of EUT

Product name:	USB HEATING INSOLES
Model name:	GC8204
Series Model:	N/A
Different of series model:	N/A
Power supply:	DC5V From USB
Adapter information:	N/A

1.2 Test mode

To investigate the maximum EMi emission characteristics generated from EUT, the test system was pre-specified based on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMi emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

Test mode	Description
Mode 1	Working

Note: The test modes were carried out for all operation modes. The final test mode of the EUT was the worst test mode for EMi, and its test date is showed.

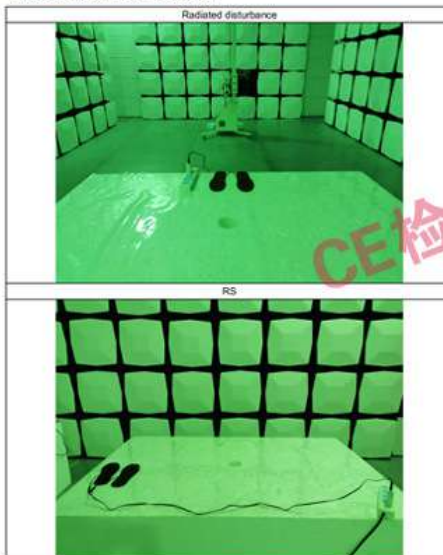
1.3 Test setup

See photographs of the test setup in the report for the actual setup and connections between EUT and support equipment.

1.4 Ancillary equipment

Equipment	Model	S/N	Manufacturer
1	1	1	1

Photographs of the Test Setup



Photographs of the EUT

