TEST REPORT

Product Name	:	Handset
Model Number	:	KDHM003D
FCC ID	:	2AOTUKDHM003D

Prepared for	:	Changzhou Kaidi Electrical Inc.
Address	:	JiangCun, Henglin Town, Changzhou City, Jiangsu Province, China
Prepared by	:	EMTEK (NINGBO) CO., LTD.
Address	:	No. 8, Building 8, Lane 216, Qingyi Road, Ningbo Hi-Tech Zone, Ningbo, Zhejiang, China Tel: +86-574-27907998 Fax: +86-574-27721538

Report Number	:	ENB2407120174W00102R
Date(s) of Tests	:	July 12, 2024 to July 31, 2024
Date of Issue	:	August 06, 2024

TABLE OF CONTENT

Test Report Description

Applicant	:	Changzhou Kaidi Electrical Inc.
Address	:	JiangCun, Henglin Town, Changzhou City, Jiangsu Province, China
Manufacturer	:	Changzhou Kaidi Electrical Inc.
Address	:	JiangCun, Henglin Town, Changzhou City, Jiangsu Province, China
EUT	:	Handset
Model Name	:	KDHM003D
Trademark	:	N/A

The device described above is tested by EMTEK (NINGBO) CO., LTD. to determine the maximum emission levels emanating from the device and the severe levels of the device can endure and its performance criterion. This report shows the EUT to be technically compliant with the FCC 1.1310 and KDB 447498 D01 General RF Exposure Guidance v07 requirements. The test results are contained in this report and EMTEK (NINGBO) CO., LTD. is assumed full responsibility for the accuracy and completeness of these tests.

This report applies to above tested sample only and shall not be reproduced in part without written approval of EMTEK (NINGBO) CO., LTD.

Date of Test :	July 12, 2024 to July 31, 2024
Prepared by :	June Gao/Engineer
Reviewer :	Lucas Xu/Supervisor
Approved & Authorized Signer :	Tony Wei/Manager

Modified Information

Version	Report No.	Revision Date	Summary
/	ENB2407120174W00102R	/	Original Report

1. Facilities And Accreditations

1.1. Test Facility

All measurement facilities used to collect the measurement data are located at

EMTEK (NINGBO) CO., LTD.

No. 8, Building 8, Lane 216, Qingyi Road, Ningbo Hi-Tech Zone, Ningbo, Zhejiang, China
The sites are constructed in conformance with the requirements of ANSI C63.7, ANSI C63.4 and CISPR Publication 32.

1.2. LABORATORY ACCREDITATIONS AND LISTINGS

Site Description

EMC Lab. : **Accredited by CNAS**
The Certificate Registration Number is L6666.
The Laboratory has been assessed and proved to be in compliance with CNAS-CL01:2018 (identical to ISO/IEC 17025:2017)

Designation by FCC
Designation Number: CN1354
Test Firm Registration Number: 427606

Accredited by A2LA
The Certificate Number is 4321.03.
The certificate is valid until May 31, 2025

Designation by Industry Canada
The Conformity Assessment Body Identifier is CN0114

Name of Firm : EMTEK (NINGBO) CO., LTD.

Site Location : No. 8, Building 8, Lane 216, Qingyi Road, Hi-Tech Zone, Ningbo, Zhejiang, China

2. General Product Information

Characteristics	Description
Product:	Handset
Model Number:	KDHM003D
Sample Number:	ENB2407120174W001-1-1
Modulation:	OOK
Operating Frequency:	433.92MHz
Number of Channels:	1 channel
Max Transmit Power:	81.52 dBuV/m
Antenna Type :	PCB Antenna
Antenna Gain:	0.0 dBi
Power supply:	DC 4.5V for Battery
Temperature Range:	-40°C ~ +85°C
Date of Received:	July 21, 2024

Note: for more details, please refer to the User's manual of the EUT.

3. Limit

According to §15.249(i) and §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 KDB447498 D01 General RF Exposure Guidance V07
The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:
[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] * [√f(GHz)] ≤ 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where
f(GHz) is the RF channel transmit frequency in GHz;
Power and distance are rounded to the nearest mW and mm before calculation;
The result is rounded to one decimal place for comparison;
The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion.
We use 5mm as separation distance to calculate.

4. Test Results

Maximum measured transmitter power:
EIRP=E+20log(d)-104.7=81.52+9.54-104.7=-13.64 dBm

Transmit Frequency (MHz)	Mode	EIRP Power (dBm)	tune up maximum power(dBm)	Result calculation	1-g SAR
433.92	OOK	-13.64 dBm	-13.0	0.02	3

Conclusion:
For the max result : 0.02≤ 3.0 for 1-g SAR extremity SAR.

*** End of Report ***

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