

TEST REPORT

Report Reference No......: **HK2603270344-2EH**

Compiled by

(position+printed name+signature)...: Testing engineer Len Liao



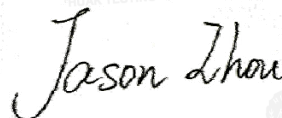
Supervised by

(position+printed name+signature)...: Technique principal Sliver Wan



Approved by

(position+printed name+signature)...: Manager Jason Zhou



Date of issue.....: 2026/06/10

Testing Laboratory Name: Shenzhen HUAKE Testing Technology Co., Ltd.

Address.....: 1-2/F., Building B2, Junfeng Zhongcheng Zhizao Innovation Park,
Heping, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China

Applicant's name.....: EDA Technology Shanghai Co.,Ltd

Address.....: Building 29, Shengchuang Enterprise Park, No.1661 Jialuo Road,
Jiading District, Shanghai, PRC

Test specification..... :

Standard: **EN IEC 62311:2020**

TRF Originator: Shenzhen HUAKE Testing Technology Co., Ltd.

Master TRF: Dated 2020-05

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Product Name : ED-HMI2002

Trade Mark.....: EDATEC

Product Model.....: ED-HMI2002-101CC

Series Model.....: ED-HMI2002-070C, ED-HMI2002-070CC, ED-HMI2002-101C

Hardware Version: V1.0

Software Version.....: V1.0

Ratings.....: DC 4.75V - 5.25V

Result.....: **Pass**

TEST REPORT

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		Date of issue

Product Name : ED-HMI2002

Product Model : ED-HMI2002-101CC

Series Model : ED-HMI2002-070C, ED-HMI2002-070CC, ED-HMI2002-101C

Applicant : EDA Technology Shanghai Co.,Ltd

Address : Building 29, Shengchuang Enterprise Park, No.1661 Jialuo Road,
Jiading District, Shanghai, PRC

Manufacturer : EDA Technology Shanghai Co.,Ltd

Address : Building 29, Shengchuang Enterprise Park, No.1661 Jialuo Road,
Jiading District, Shanghai, PRC

**** Issued History ****

Revision	Description	Issued Date	Remark
Revision 1.0	Initial Test Report Release	2026/06/10	Jason Zhou

Table of Contents

Page

1 . GENERAL INFORMATION	5
1.1 GENERAL REMARKS	5
1.2 GENERAL DESCRIPTION OF EUT	6
2 . EN IEC 62311 REQUIREMENT	7
2.1 GENERAL INFORMATION	7
2.2 LIMIT	7
3. RESULT	8



HUAKE TESTING

1. GENERAL INFORMATION

1.1 GENERAL REMARKS

Date of receipt of test sample	:	2026/03/27
Testing commenced on	:	2026/03/27
Testing concluded on	:	2026/06/10

1.2 GENERAL DESCRIPTION OF EUT

Equipment	ED-HMI2002																																
Model Name	ED-HMI2002-101CC																																
Series Model	ED-HMI2002-070C, ED-HMI2002-070CC, ED-HMI2002-101C																																
Difference description	All model's the function, software and electric circuit are the same, only with a product color and model named different. Test sample model: ED-HMI2002-101CC.																																
Product Description	The EUT is ED-HMI2002. BT-EDR: <table border="1"> <tr> <td>Operation Frequency:</td><td>2402 MHz ~ 2480 MHz</td></tr> <tr> <td>Modulation Type:</td><td>GFSK, $\pi/4$DQPSK, 8DPSK</td></tr> <tr> <td>Antenna Designation:</td><td>External Antenna</td></tr> <tr> <td>Antenna Gain(Peak)</td><td>3.5dBi</td></tr> </table> BT-BLE: <table border="1"> <tr> <td>Operation Frequency:</td><td>2402 MHz ~ 2480 MHz</td></tr> <tr> <td>Modulation Type:</td><td>GFSK</td></tr> <tr> <td>Antenna Designation:</td><td>External Antenna</td></tr> <tr> <td>Antenna Gain(Peak)</td><td>3.5dBi</td></tr> </table> 2.4G Wifi <table border="1"> <tr> <td>Operation Frequency:</td><td>IEEE 802.11b/g/n HT20: 2412-2472MHz IEEE 802.11n HT40: 2422-2462 MHz</td></tr> <tr> <td>Modulation Type:</td><td>DSSS, OFDM</td></tr> <tr> <td>Antenna Designation:</td><td>External Antenna</td></tr> <tr> <td>Antenna Gain(Peak)</td><td>3.5dBi</td></tr> </table> 5G 5150-5250: <table border="1"> <tr> <td>Operation Frequency:</td><td>IEEE 802.11a:5180MHz-5240MHz IEEE 802.11n HT20/IEEE 802.11ac HT20: 5180 MHz- 5240MHz IEEE 802.11n HT40/IEEE 802.11ac HT40: 5190MHz-5230MHz IEEE 802.11ac HT80:5210MHz</td></tr> <tr> <td>Modulation Type:</td><td>IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n HT20: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n HT40: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac HT20: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac HT40: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac HT80: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)</td></tr> <tr> <td>Antenna Designation:</td><td>External Antenna</td></tr> <tr> <td>Antenna Gain(Peak)</td><td>2.3dBi</td></tr> </table> Based on the application, features, or specification exhibited in User's Manual, the EUT is considered as an ITE/Computing Device. More details of EUT technical specification, please refer to the User's Manual.	Operation Frequency:	2402 MHz ~ 2480 MHz	Modulation Type:	GFSK, $\pi/4$ DQPSK, 8DPSK	Antenna Designation:	External Antenna	Antenna Gain(Peak)	3.5dBi	Operation Frequency:	2402 MHz ~ 2480 MHz	Modulation Type:	GFSK	Antenna Designation:	External Antenna	Antenna Gain(Peak)	3.5dBi	Operation Frequency:	IEEE 802.11b/g/n HT20: 2412-2472MHz IEEE 802.11n HT40: 2422-2462 MHz	Modulation Type:	DSSS, OFDM	Antenna Designation:	External Antenna	Antenna Gain(Peak)	3.5dBi	Operation Frequency:	IEEE 802.11a:5180MHz-5240MHz IEEE 802.11n HT20/IEEE 802.11ac HT20: 5180 MHz- 5240MHz IEEE 802.11n HT40/IEEE 802.11ac HT40: 5190MHz-5230MHz IEEE 802.11ac HT80:5210MHz	Modulation Type:	IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n HT20: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n HT40: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac HT20: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac HT40: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac HT80: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)	Antenna Designation:	External Antenna	Antenna Gain(Peak)	2.3dBi
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Antenna Gain(Peak)	2.3dBi																																
Channel List	Refer to below																																
Hardware Version	V1.0																																
Software Version	V1.0																																
Note:	For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.																																
Note: Antenna gain Refer to the antenna specifications. The cable loss data is obtained from the supplier. The test results in the report only apply to the tested sample.																																	

2. EN IEC 62311 REQUIREMENT

2.1 GENERAL INFORMATION

According to its specifications, the EUT must comply with the requirements of the following standards:

EN IEC 62311:2020[Assessment of the compliance of low power electronic and electrical equipment with the basic restrictions related to human exposure to electromagnetic fields (0 Hz to 300 GHz)]

2.2 LIMIT

A. Typical usage, installation and the physical characteristics of equipment make it inherently compliant with the applicable EMF exposure levels such as those listed in the bibliography. This low-power equipment includes unintentional (or non-intentional) radiators, for example incandescent light bulbs and audio/visual (A/V) equipment, information technology equipment (ITE) and multimedia equipment (MME) that does not contain radio transmitters.

NOTE Equipment is described as A/V equipment, ITE or MME if its main use is playback/recording of music, voice or images, or processing of digital information.

B. The input power level to electrical or electronic components that are capable of radiating electromagnetic energy in the relevant frequency range is so low that the available antenna power and/or the average total radiated power cannot exceed the low-power exclusion level defined in 4.2.

C. The available antenna power and/or the average total radiated power are limited by product standards for transmitters to levels below the low-power exclusion level defined in 4.2.

D. Measurements or calculations show that the available antenna power and/or the average total radiated power are below the low-power exclusion level defined in 4.2.



HUAKE TESTING

3. RESULT

See Test report UL/REGA1/MPE12663640A for test data.

.....**End of Report**.....