



TEST REPORT
EN IEC 62311:2020

Report Reference No.: HK2311205573-2EH

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Date of issue : 2023/12/01

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

Address : Building 24, 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-HMI2100

Trade Mark : EDA

Product Model : ED-HMI2120-101C

Serial Model: ED-HMI2120-050C, ED-HMI2120-070C, ED-HMI2120-050R,
ED-HMI2120-070R, ED-HMI2120-101R

Hardware Version: V1.1

Software Version : V2.0

Ratings : DC 9-36V

Result : Pass



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Product Name : ED-HMI2100

Product Model : ED-HMI2120-101C

Serial Model : ED-HMI2120-050C, ED-HMI2120-070C, ED-HMI2120-050R,
ED-HMI2120-070R, ED-HMI2120-101R

Applicant : EDA Technology Shanghai Co., Ltd.

Address : Building 24, Shengchuang Enterprise Park, No.1661 Jialuo Road,
Jiading District, Shanghai, PRC

Manufacturer : EDA Technology Shanghai Co., Ltd.

Address : Building 24, Shengchuang Enterprise Park, No.1661 Jialuo Road,
Jiading District, Shanghai, PRC



**** Modified History ****

Revision	Description	Issued Data	Remark
Revision 1.0	Initial Test Report Release	2023/12/01	Jason Zhou



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**1. GENERAL INFORMATION****1.1 GENERAL REMARKS**

Date of receipt of test sample	:	2023/11/20
Testing commenced on	:	2023/11/20
Testing concluded on	:	2023/12/01

1.2 GENERAL DESCRIPTION OF EUT

Equipment	ED-HMI2100	
Model Name	ED-HMI2120-101C	
Serial Model	ED-HMI2120-050C, ED-HMI2120-070C, ED-HMI2120-050R, ED-HMI2120-070R, ED-HMI2120-101R	
Difference description	The main difference between different models is that the size of the LCD screen is not the same, and the maximum size is tested.	
Product Description	The EUT is ED-HMI2100.	
	BT-BLE:	
	Operation Frequency:	2402 MHz ~ 2480 MHz
	Modulation Type:	GFSK
	Antenna Designation:	External Antenna
	Antenna Gain(Peak)	2dBi
	BT-EDR	
	Operation Frequency:	2402 MHz ~ 2480 MHz
	Modulation Type:	GFSK, $\pi/4$ DQPSK, 8DPSK
	Antenna Designation:	External Antenna
	Antenna Gain(Peak)	2dBi
	2.4G Wifi	
	Operation Frequency:	IEEE 802.11b/g/n20 2412-2472MHz IEEE 802.11 n40 2422-2462MHz
	Modulation Type:	DSSS, OFDM
	Antenna Designation:	External Antenna
	Antenna Gain(Peak)	2dBi



	5G 5150-5250:	
	Operation Frequency:	IEEE 802.11a:5180MHz-5240MHz IEEE 802.11n HT20/IEEE 802.11ac HT20:5180MHz-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(256AQAM, 64QAM, 16QAM, QPSK, BPSK)
	Antenna Designation:	External Antenna
	Antenna Gain(Peak)	2dBi
	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.	
Channel List	Refer to below	
Hardware Version	V1.1	
Software Version	V2.0	
Note:	For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.	



1.EN IEC 62311 REQUIREMENT

1.1 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)]

1.2 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.



3. RESULT

See Report UL/REGA1/MPE13337971 for test data

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