



**TEST REPORT  
EN IEC 62311:2020**

**Report Reference No.**.....: **HK2311205571-2EH**

Compiled by  
( position+printed name+signature) .: Testing engineer Bella Huang

*Bella Huang*

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

*Sliver Wan*

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

*Jason Zhou*

Date of issue .....: 2023/11/30

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 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

Shenzhen HUAKE Testing Technology Co., Ltd. All rights reserved.

This publication may be reproduced in whole or in part for non-commercial purposes as long as the Shenzhen HUAKE Testing Technology Co., Ltd. is acknowledged as copyright owner and source of the material. Shenzhen HUAKE Testing Technology Co., Ltd. takes no responsibility for and will not assume liability for damages resulting from the reader's interpretation of the reproduced material due to its placement and context.

**Product Name** .....: ED-IPC2100

Trade Mark .....: 

Product Model .....: ED-IPC2110

Serial Model.....: ED-IPC2120, ED-IPC2130, ED-IPC2140

Hardware Version.....: V1.1

Software Version .....: V2.0

Ratings .....: DC 9-36V

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



# TEST REPORT

<b>Test Report No. :</b>	<b>HK2311205571-2EH</b>	2023/11/30
		Date of issue

**Product Name** : ED-IPC2100

**Product Model** : ED-IPC2110

**Serial Model** : ED-IPC2120, ED-IPC2130, ED-IPC2140

**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	2023/11/30	Jason Zhou



**Table of Contents**

**Page**

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



GENERAL INFORMATION

1.1 GENERAL REMARKS

Date of receipt of test sample	:	2023/11/20
Testing commenced on	:	2023/11/20
Testing concluded on	:	2023/11/30

1.2 GENERAL DESCRIPTION OF EUT

Equipment	ED-IPC2100	
Model Name	ED-IPC2110	
Serial Model	ED-IPC2120, ED-IPC2130, ED-IPC2140	
Difference description	The main difference between different models is the number of RS232 and RS485 interfaces, and the model with the most interfaces is ED-IPC2110.	
Product Description	The EUT is ED-IPC2100.	
	BT-BLE:	
	Operation Frequency:	2402 MHz ~ 2480 MHz
	Modulation Type:	GFSK
	Antenna Designation:	External Antenna
	Antenna Gain(Peak)	2 dBi
	BT-EDR	
	Operation Frequency:	2402 MHz ~ 2480 MHz
	Modulation Type:	GFSK, π/4DQPSK, 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	



	4G:	
	Operation Frequency:	Band 1:1920-1980MHz, Band 3:1710-1785MHz, Band 7:2500-2570MHz, Band 8:880-915MHz, Band 20:832-862MHz, Band 28:703-733MHz, Band 38:2570-2620MHz, Band 40:2300-2400MHz
	Modulation Type:	QPSK , 16-QAM
	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 2107RSU065-E5 for test data

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