



## RF REPORT

**FCC ID: 2AAPKXYW1038**

On Behalf of

**SHENZHEN KINGSUN ENTERPRISES Co.,Ltd.**

**5 in 1 Wireless Charging Station with Alarm Clock and Nightlight**

**Model No.: OD-XYW1038, V90028, V90028-BLK**

Prepared for : SHENZHEN KINGSUN ENTERPRISES Co.,Ltd.  
Address : 25F,CEC information Building, Xinwen Road, Futian District, Shenzhen,  
Guangdong, P.R. China

Prepared By : Shenzhen Alpha Product Testing Co., Ltd  
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Report Number : A2310203-C01-R02  
Date of Receipt : November 13, 2023  
Date of Test : November 13, 2023 to November 23, 2023  
Date of Report : November 23, 2023  
Version Number : V0  
**Test Result : Pass**

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## TEST REPORT DECLARATION

Applicant : SHENZHEN KINGSUN ENTERPRISES Co.,Ltd.  
Address : 25F,CEC information Building, Xinwen Road, Futian District, Shenzhen, Guangdong,  
P.R. China  
Manufacturer : SHENZHEN KINGSUN ENTERPRISES Co.,Ltd.  
Address : 25F,CEC information Building, Xinwen Road, Futian District, Shenzhen, Guangdong,  
P.R. China  
EUT Description : 5 in 1 Wireless Charging Station with Alarm Clock and Nightlight  
(A) Model No. : OD-XYW1038, V90028, V90028-BLK  
(B) Trademark : N/A

Measurement Standard Used:

### FCC CFR Title 47 Part 15 Subpart C

### FCC KDB 680106 D01 Wireless Power Transfer v04

The device described above is tested by Shenzhen Alpha Product Testing 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. The test results are contained in this test report and Shenzhen Alpha Product Testing Co., Ltd. is assumed full responsibility for the accuracy and completeness of test. Also, this report shows that the EUT is technically compliant with above listed standard(s) requirements.

This report applies to above tested sample only. This report shall not be reproduced in parts without written approval of Shenzhen Alpha Product Testing Co., Ltd.

Tested by (name + signature) : Yanniss Wen  
Project Engineer



Approved by (name + signature) : Reak Yang  
Project Manager



Date of issue : November 23, 2023

**Revision History**

Revision	Issue Date	Revisions	Revised By
V0	November 23, 2023	Initial released Issue	Yannis Wen

## 1 Test Result Summary

Requirement	CFR 47 Section	Result
RF EXPOSURE	§1.1307(b)(1) & KDB680106	PASS

**Note:**

1. PASS: Test item meets the requirement.
2. Fail: Test item does not meet the requirement.
3. N/A: Test case does not apply to the test object.
4. The test result judgment is decided by the limit of test standard.

## 2 EUT Description

### 2.1 Description of Device (EUT)

Product Name	:	5 in 1 Wireless Charging Station with Alarm Clock and Nightlight
Model Number	:	OD-XYW1038, V90028, V90028-BLK
DIFF	:	There is no difference except the name of the model. All tests are made with the OD-XYW1038 model.
EUT information	:	Type-C Input : DC 5V 2A / 9V 3A(QC3.0 30W) PHONE Wireless Charger Output: 5W/7.5W/10W/15W AirPods Wireless Charger Output: 5W Apple Watch Wireless Charger Output: 3W
Operation Frequency	:	115k-205kHz and 325kHz
Number of Channels	:	3
Modulation Type	:	MSK
Antenna Type	:	Coil Antenna
Antenna Gain	:	0dBi
Hardware Version	:	V1.0
Software Version	:	V1.0

### 2.2 Ancillary equipment Details

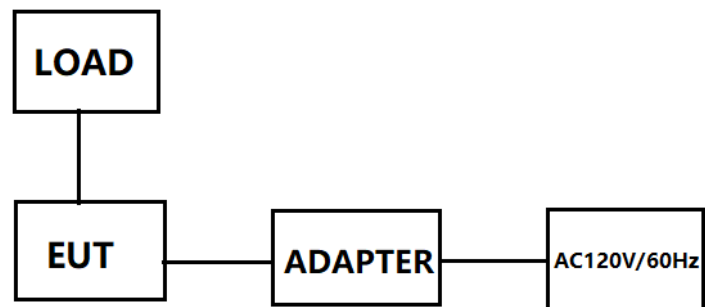
Title	Manufacturer	Model No.	Serial No.
Load	YBZ	N/A	N/A
Load	N/A		
DC POWER	N/A	N/A	N/A

### 2.3 Test Lab information

Shenzhen Alpha Product Testing Co., Ltd Building i, No.2, Lixin Road, Fuyong Street, Bao'an District, 518103, Shenzhen, Guangdong, China
June 21, 2018 File on Federal Communication Commission Registration Number: 293961 Designation Number: CN1236
July 15, 2019 Certificated by IC Registration Number: 12135A

Conditions requirement	Answers
Power transfer frequency is below 1 MHz.	After measuring the product the transfer frequency is 0.115-0.205kHz and 325kHz
The output power from each transmitting element (e.g., coil) is less than or equal to 15 watts.	After measuring the product the each primary coil power is 15 watts
A client device providing the maximum permitted load is placed in physical contact with the transmitter (i.e., the surfaces of the transmitter and client device enclosures need to be in physical contact)	Client device is placed directly in contact with the transmitter.
Only § 2.1091-Mobile exposure conditions apply (i.e., this provision does not cover § 2.1093-Portable exposure conditions).	Mobile exposure conditions only.
The E-field and H-field strengths, at and beyond 20 cm surrounding the device surface, are demonstrated to be less than 50% of the applicable MPE limit, per KDB 447498, Table 1. These measurements shall be taken along the principal axes of the device, with one axis oriented along the direction of the estimated maximum field strength, and for three points per axis or until a 1/d (inverse distance from the emitter structure) field strength decay is observed. Symmetry considerations may be used for test reduction purposes. The device shall be operated in documented worst-case compliance scenarios (i.e., the ones that lead to the maximum field components), and while all the radiating structures (e.g., coils or antennas) that by design can simultaneously transmit are energized at their nominal maximum power.	After measuring the product the Max H-field Strength is 0.806A/m Far less than 50% of the MPE limit.
For systems with more than one radiating structure, the conditions specified in (5) must be met when the system is fully loaded (i.e., clients absorbing maximum power available), and with all the radiating structures operating at maximum power at the same time, as per design conditions. If the design allows one or more radiating structures to be powered at a higher level while other radiating structures are not powered, then those cases must be tested as well. For instance, a device may use three RF coils powered at 5 W, or one coil powered at 15 W: in this case, both scenarios shall be tested.	The transfer system includes three primaries and the coil pairs can be powered on at the same time.

## 2.4 Block Diagram of Connection between EUT and Simulators



## 2.5 Description of Test Modes

Channel	Frequency (KHz)
1	127
2	148
3	325

## 2.6 Test Conditions

Items	Required	Actual
Temperature range:	15-35°C	24°C
Humidity range:	25-75%	56%
Pressure range:	86-106kPa	98kPa



## 2.7 Measurement Uncertainty

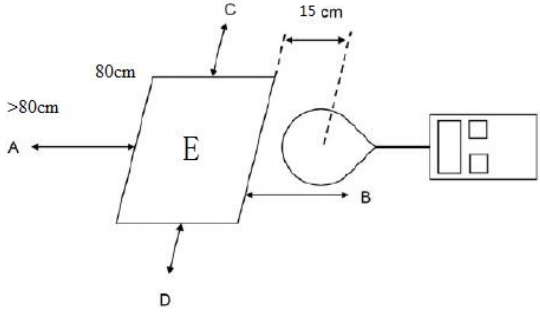
(95% confidence levels, k=2)

Item	Uncertainty
Uncertainty for H-Field	2.39dB
Uncertainty for E-Field	2.45dB
Uncertainty for conducted RF Power	0.65dB
Uncertainty for temperature	0.2°C
Uncertainty for humidity	1%
Uncertainty for DC and low frequency voltages	0.06%

### 3 Test Results and Measurement Data

#### 3.1 RF Exposure Test

##### 3.1.1 Test Specification

<b>Test Requirement:</b>	<b>FCC Rules and Regulations KDB680106</b>
<b>Test Method:</b>	§1.1307(b)(1) & KDB680106
<b>Limits:</b>	According to §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 §1.1310 and §2.1093 RF exposure is calculated. According KDB 680106 D01 Wireless Power Transfer v04
<b>Test Setup:</b>	 <p>E to position is 20cm.</p>
<b>Test Mode:</b>	Charging + Transmitting Mode
<b>Test Procedure:</b>	<ol style="list-style-type: none"> <li>1. The RF exposure test was performed on 80cm insulated table in anechoic chamber.</li> <li>2. The measurement probe was placed at test distance (15cm) which is between the edge of the charger and the geometric centre of probe.</li> <li>3. The highest emission level was recorded and compared with limit as soon as measurement of each points (A, B, C, D, E) were completed.</li> <li>4. The EUT were measured according to the dictates of KDB 680106 D01 v04</li> </ol>
<b>Test Result:</b>	PASS

### 3.1.2 Test Instruments

Item	Equipment	Manufacturer	Model No.	Firmware version	Serial No.	Last Cal.	Cal Interval
1	Exposure Level Tester	narda	ELT-400	N/A	N-0231	2023.08.22	1Year
2	Magnetic field probe 100cm2	narda	ELT probe 100cm2	N/A	M0675	2023.08.22	1Year
3	Isotropic Electric Field Probe	narda	EP-601	N/A	511WX60706	2023.08.16	1Year

### 3.1.3 Test data

For Full load mode:

E-Field Strength at 15 cm for position A,B,C,D 20cm for position E from the edges surrounding the EUT (V/m)

Frequency Range (MHz)	Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Limit (50%) (V/m)	Limits Test (V/m)
0.115-0.205	1.909	1.503	1.576	1.715	1.794	307	614

H-Filed Strength at 15 cm for position A,B,C,D 20cm for position E from the edges surrounding the EUT (A/m)

Frequency Range (MHz)	Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Limit (50%) (A/m)	Limits Test (A/m)
0.115-0.205	0.784	0.743	0.745	0.804	0.812	0.815	1.63

For Null load mode:

E-Field Strength at 15 cm for position A,B,C,D 20cm for position E from the edges surrounding the EUT (V/m)

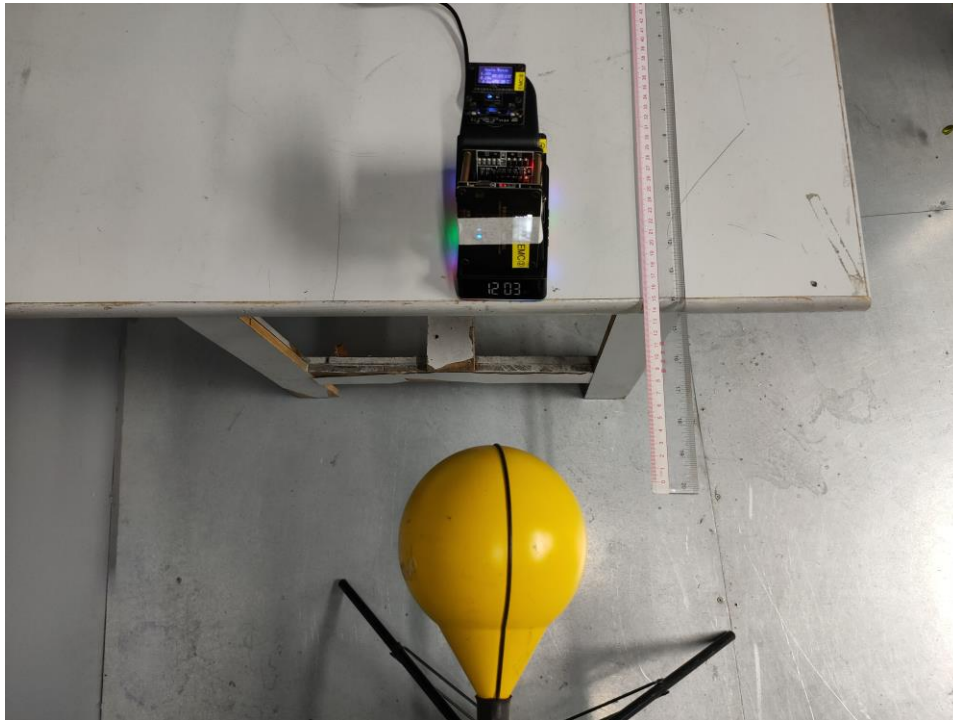
Frequency Range (MHz)	Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Limit (50%) (V/m)	Limits Test (V/m)
0.115-0.205	1.643	1.605	1.696	1.597	1.770	307	614

H-Filed Strength at 15 cm for position A,B,C,D 20cm for position E from the edges surrounding the EUT (A/m)

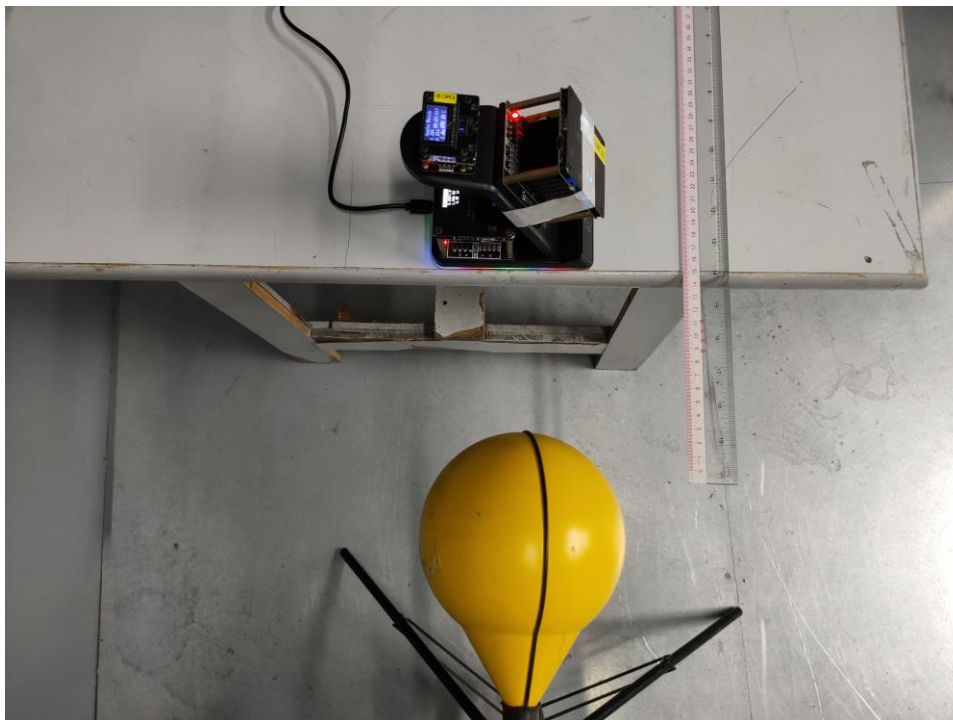
Frequency Range (MHz)	Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Limit (50%) (A/m)	Limits Test (A/m)
0.115-0.205	0.682	0.741	0.741	0.635	0.753	0.815	1.63

## 4 Photos of test setup

For Full load mode

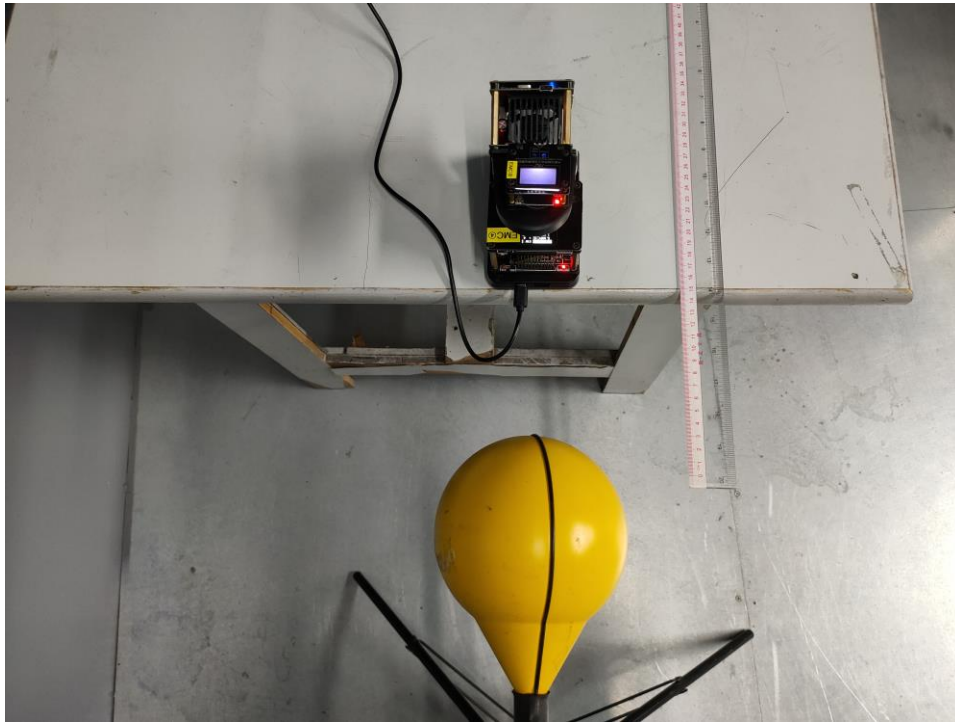


A Position

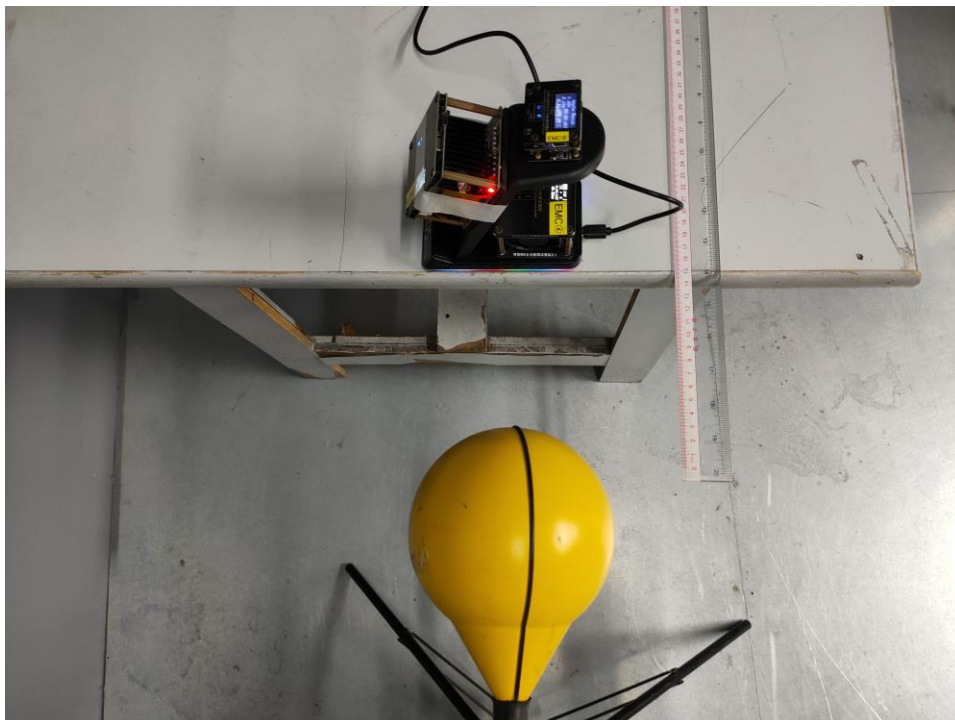


B Position

For Full load mode

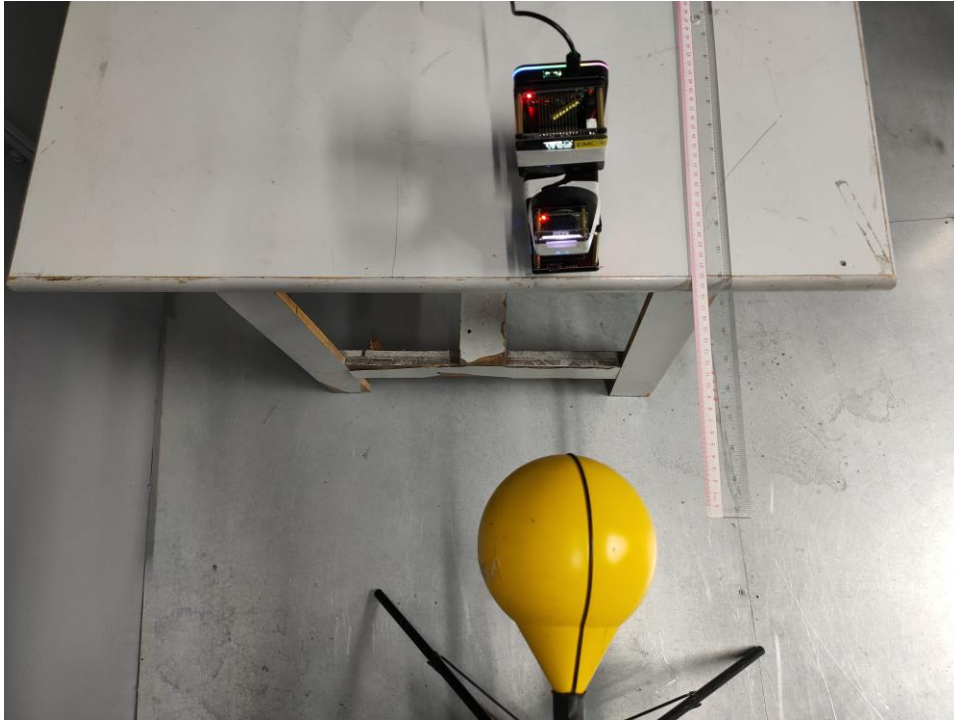


C Position



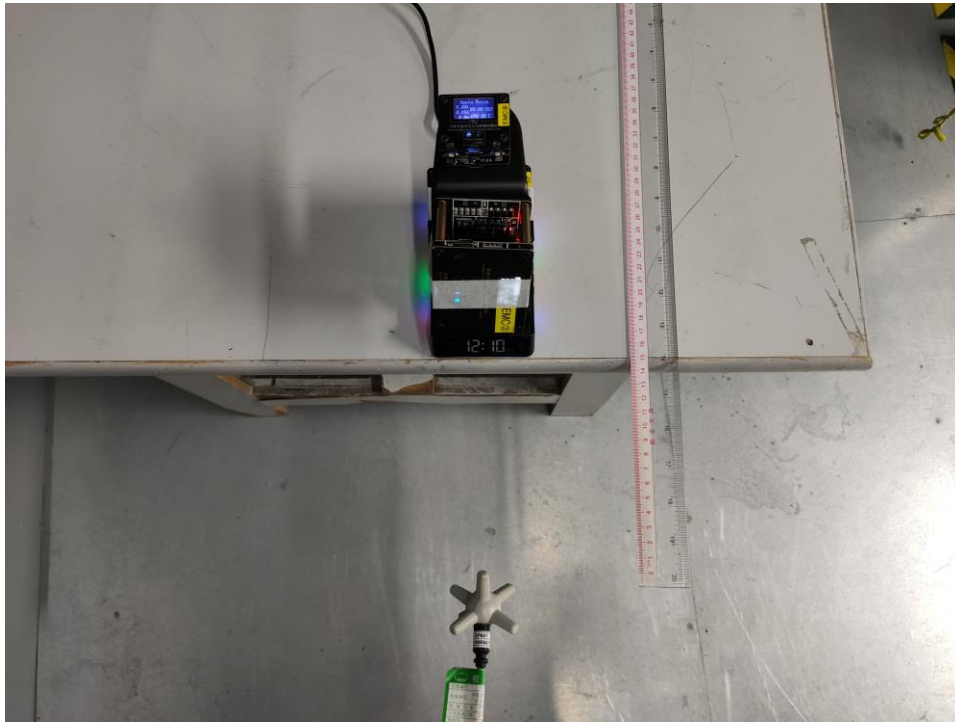
D Position

For Full load mode

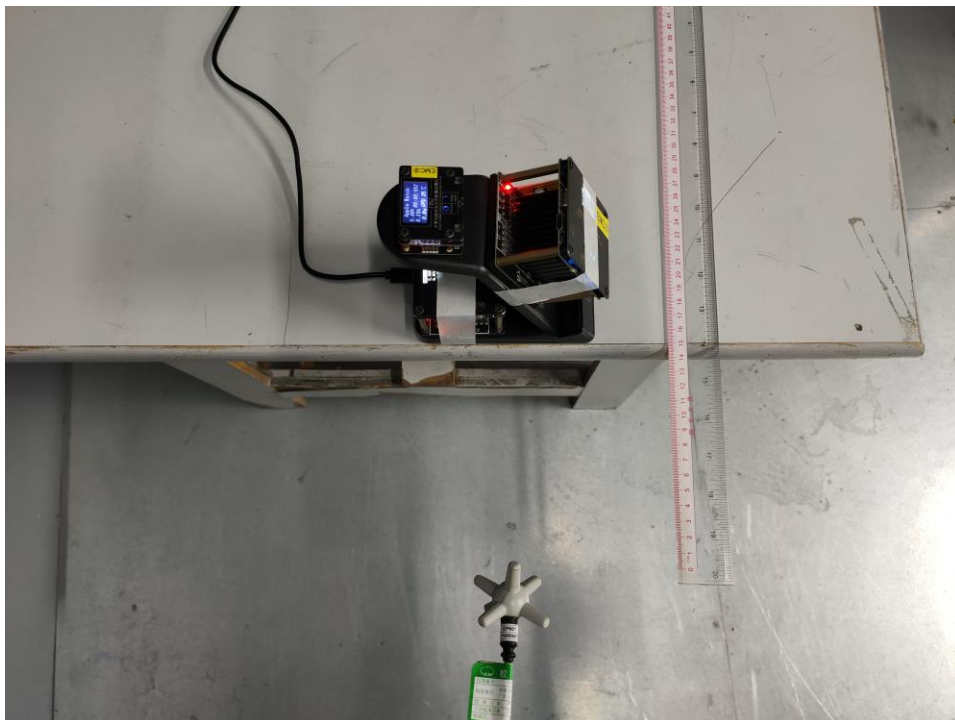


E Position

For Full load mode



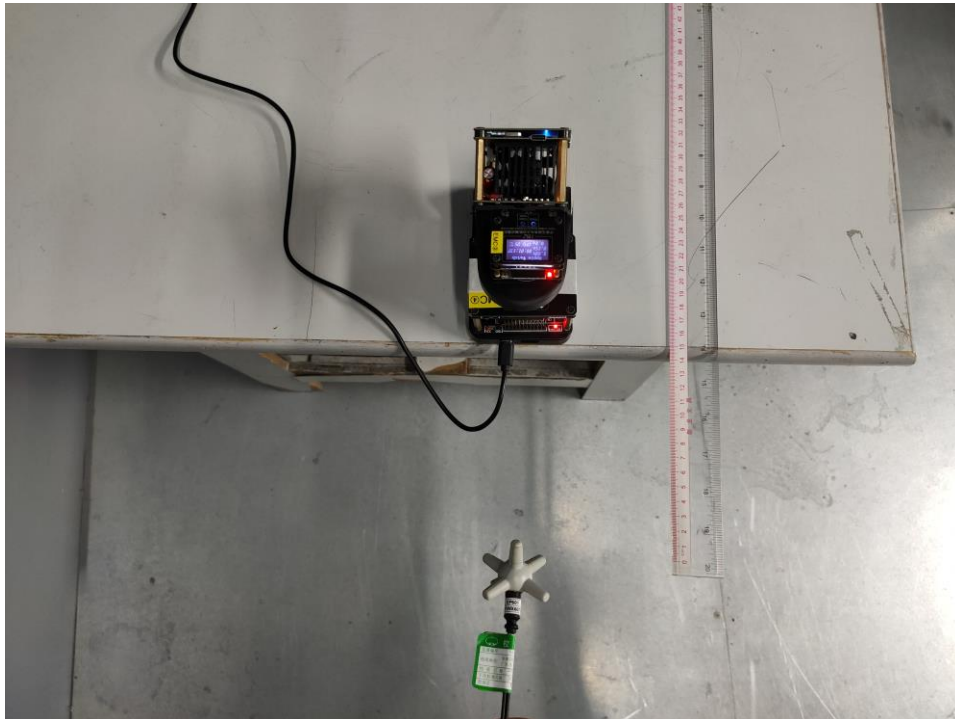
A Position



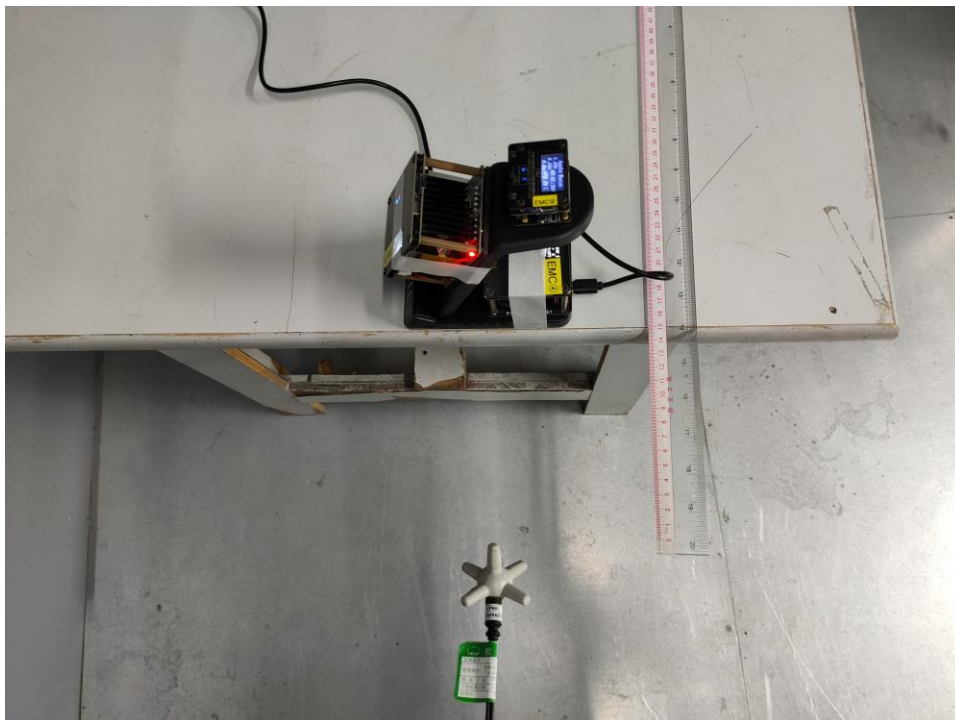
B Position



For Full load mode



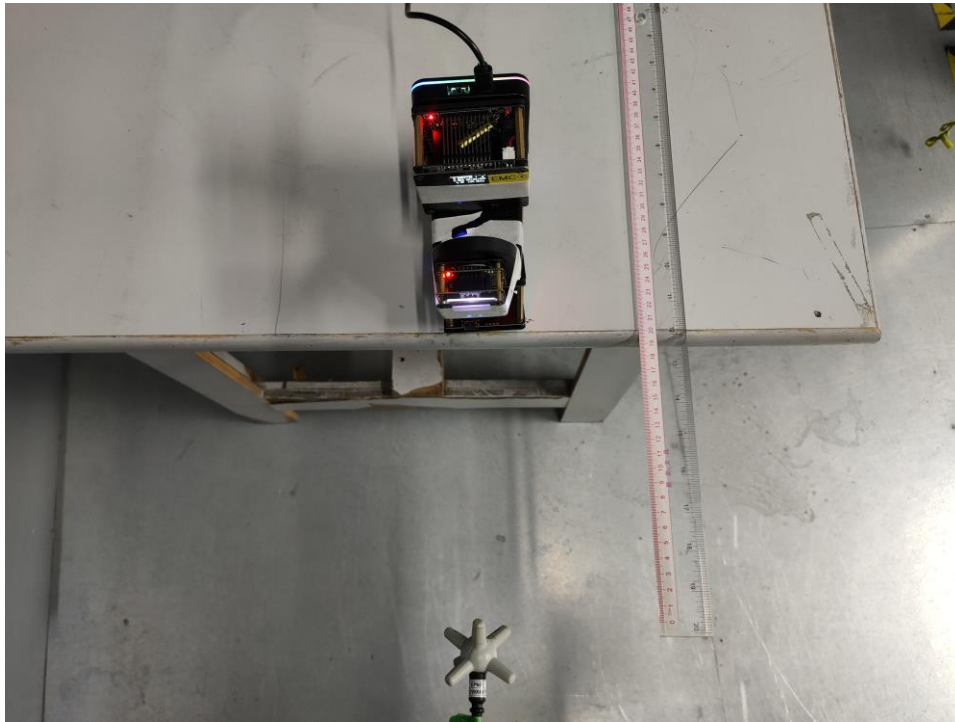
C Position



D Position



For Full load mode



E Position

## **5 Photographs of EUT**

Refer to test report A2310203-C01-R01.

----- **END OF REPORT**-----