TEST REPORT

Reference No.	:	WTX21X03023977W-2
Manufacturer	:	Shenzhen Sunricher Technology Limited
Address	:	3F & 5F, Building E, Qihang Innovation Industrial Park, No. 1008 Songbai Road, Nanshan District, Shenzhen, Guangdong 518055 China
Product	:	Controllers
Test Model	:	SR-ZV9101SAC-HP-Switch-B
Standards	:	**EN IEC 62311:2020** **EN 50665:2017**
Date of Receipt sample	:	Mar.24, 2021
Date of Test	:	Mar.24, 2021 to Apr.13, 2021
Date of Issue	:	Apr.13, 2021
Test Result	:	**Pass**

Remarks:

The results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of compiler and approver.

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Report version

Version No.	Date of issue	Description
Rev.00	Apr.13, 2021	Original
/	/	/

1. GENERAL INFORMATION

1.1 Product Description for Equipment Under Test (EUT)

Client Information

Manufacturer: Shenzhen Sunricher Technology Limited

Address of manufacturer: 3F & 5F, Building E, Qihang Innovation Industrial Park, No. 1008 Songbai Road, Nanshan District, Shenzhen, Guangdong 518055 China

General Description of EUT	
Product Name:	Controllers
Trade Name:	/
Model No.:	SR-ZV9101SAC-HP-Switch-B
Adding Model(s):	SR-ZG9101SAC-HP-Switch-B, SR-SB9101SAC-HP-Switch-B, SR-BL9101SAC-HP-Switch-B, SR-9101SAC-HP-Switch-B, SR-ZV9080A, SR-ZG9080A, SR-SB9080A, SR-BL9080A, SR-9080A
Rated Voltage:	Input: AC 100-240 V Output: AC 100-240 V Output Current: 16A max.
Battery Capacity:	/
Power Adaptor Model:	/
Software Version:	V1.0
Hardware Version:	V1.0
Note: The test data is gathered from a production sample, provided by the manufacturer. The appearance of others models listed in the report is different from main-test model SR-ZV9101SAC-HP-Switch-B, but the circuit and the electronic construction do not change, declared by the manufacturer.	

Technical Characteristics of EUT	
Frequency Range:	868.42MHz
RF Output Power:	/
Type of Modulation:	FSK
Type of Antenna:	Internal Antenna
Antenna Gain:	0dBi
Receiver Categories:	2

1.2 Compliance Standards

The tests were performed according to following standards:

EN 50665:2017: Generic standard for assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (0 Hz - 300 GHz).
EN IEC 62311:2020: Assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (0 Hz to 300 GHz)

1.3 Test Methodology

All measurements contained in this report were conducted with EN 50665,
The equipment under test (EUT) was configured to measure its highest possible emission level. For more detail refer to the Operating Instructions.

1.4 Test Facility

FCC – Registration No.: 125990
Waltek Testing Group (Shenzhen) Co., Ltd. Laboratory has been recognized to perform compliance testing on equipment subject to the Commissions Declaration Of Conformity (DOC). The Designation Number is CN5010, and Test Firm Registration Number is 125990.

Industry Canada (IC) Registration No.: 11464A
The 3m Semi-anechoic chamber of Waltek Testing Group (Shenzhen) Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 11464A.

2. RF EXPOSURE REFERENCE LEVELS

2.1 Standard Applicable

This International Standard applies to electronic and electrical equipment for which no dedicated product- or product family standard regarding human exposure to electromagnetic fields applies. The frequency range covered is 0 Hz to 300 GHz.

The object of this generic standard is to provide assessment methods and criteria to evaluate such equipment against basic restrictions or reference levels on exposure of the general public related to electric, magnetic and electromagnetic fields and induced and contact current.

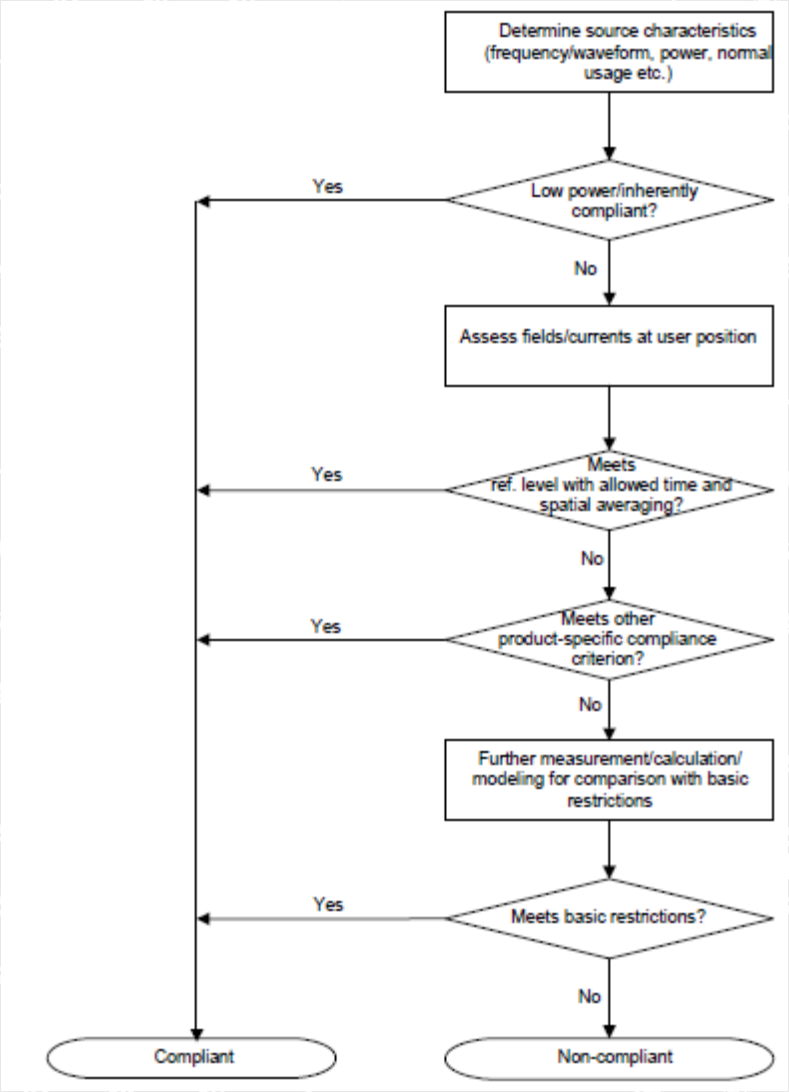
Normative reference
EN 62311:2008, Assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (0 Hz – 300 GHz).

Council Recommendation 1999/519/EC of 12 July 1999 on the limitation of exposure of the general public to the electromagnetic fields (0Hz to 300GHz) (Official Journal L 197 of 30 July 1999).

Directive 2013/35/EU of 26 June 2013, on the minimum health and safety requirements regarding the exposure of workers to risks arising from physical agents (electromagnetic fields) . Official Journal L179 of 2013-6-29,p. 1-21

2.2 Applicability of compliance assessment methods

EN 62311 Generic standard to demonstrate the compliance of electronic and electrical apparatus with the basic restrictions related to human exposure to electromagnetic fields (0 Hz–300 GHz) is to demonstrate the compliance of apparatus with the basic restrictions or reference levels on exposure of the general public related to electric, magnetic, electromagnetic fields as well as induced and contact current.
Assessment flowchart:



Note: The decision “low power / inherently compliant” shall be based on an assessment where the emissions are specified in a performance standard e.g. a transmitter performance standard and where the output power is limited to a level that cannot exceed the basic restriction. It can also be any other product standard giving the same limitation on the emission level. Some products use a technology or input powers that have the consequence that the emissions cannot exceed the basic restrictions, e.g. non-radio transmitter products like wrist-watches, ADSL modems, computers, telecommunications equipment and hi-fi systems. This shall also be taken into account when the assessment is made.

2.3 Conformity Assessment

Based on the technical characteristics of the products, this low-power equipment includes unintentional (or non-intentional) radiators and does not contain radio transmitters, Typical usage, installation and the physical characteristics of equipment make it inherently compliant with the applicable EMF exposure levels

EXHIBIT 1 - EUT PHOTOGRAPHS

Please refer to "ANNEX".

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