



RF TEST REPORT

TA

Applicant	Emerson White-Rodgers	
FCC ID	2A4JN-RS01-SG5468	
Product	Indoor Room Sensor – Sub-GHZ	
Brand	Sensi	
Model	RS01-SG	
Report No.	R2306A0686-R1	
Issue Date	July 11, 2023	

TA Technology (Shanghai) Co., Ltd. tested the above equipment in accordance with the requirements in **FCC CFR47 Part 15C (2022)**. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

Xn Ying

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1 Test Laboratory

1.1 Notes of the Test Report

This report shall not be reproduced in full or partial, without the written approval of **TA Technology (Shanghai) Co., Ltd.** The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein .Measurement Uncertainties were not taken into account and are published for informational purposes only. This report is written to support regulatory compliance of the applicable standards stated above.

1.2. Test facility

FCC (Designation number: CN1179, Test Firm Registration Number: 446626)

TA Technology (Shanghai) Co., Ltd. has been listed on the US Federal Communications Commission list of test facilities recognized to perform measurements.

A2LA(Certificate Number: 3857.01)

TA Technology (Shanghai) Co., Ltd. has been listed by American Association for Laboratory Accreditation to perform measurement.

1.3 Testing Location

Company:	TA Technology (Shanghai) Co., Ltd.	
Address:	Building 3, No.145, Jintang Rd, Pudong Shanghai, P.R.China	
City:	Shanghai	
Post code:	201201	
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2 General Description of Equipment under Test

2.1 Applicant and Manufacturer Information

Applicant	Emerson White-Rodgers	
Applicant address	8100 West Florissant Ave St. Louis, United States of America	
Manufacturer	Emerson White-Rodgers	
Manufacturer address	8100 West Florissant Ave St. Louis, United States of America	

2.2 General information

EUT Description				
Model	RS01-SG			
Lab internal SN	R2306A0686/S01			
Hardware Version	0059-5468			
Software Version	0170-1641			
Power Supply	Battery			
Antenna Type	PCB Antenna			
Antenna Connector	A permanently attached antenna (meet with the standard FCC Part 15.203 requirement)			
Antenna Gain	-2.26dBi			
Test Mode(s)	Model 900MHz			
Modulation Type	FSK2			
Total Channel Number	67			
Channel Space	380kHz			
Operating Frequency Range(s)	902 ~ 928MHz			
Date of Sample Received	June 13, 2023			
EUT Accessory				
	Manufacturer: Energizer			
Battery	Model: AAA E92			
	DC 1.5V, 1200mAh			
RASE	Manufacturer: Emerson White-Rodgers			
DAGE	PN: 0004-1987(size: 66.51 X 28.88 X 51.40 mm)			
Note: The EUT is sent from the applicant to TA and the information of the EUT is declared by the				
applicant.				

RS01-SG (Report No.: R2306A0686-R1) is a variant model of RS01-SG (Report No.: R2301A0085-R1). This product added 2nd and 3rd sources for some components in RS01-SG (Original).

Tested case refers to the following table.

Test Case	Original	Variant
		Verify Output Power (Channel 0), Power
Output Bower	Pass	of new variant is varied due to
Output Power		measurement uncertainty, and sample
		tolerance of the acceptance range.
Occupied Bandwidth (20dB)		Tested Occupied Bandwidth (20dB)
	Pass	(worst case), and did not worsen, so they
		were not recorded in the report.
Band Edge Compliance		Tested Band Edge Compliance (worst
	Pass	case), and did not worsen, so they were
		not recorded in the report.
	Pass	Tested Unwanted Emissions (worst
Unwanted Emissions		case), and did not worsen, so they were
		not recorded in the report.

This report is used in conjunction with the original report (Report No.: R2301A0085-R1). The detailed product change description please refers to the *Difference Declaration Letter*.



ANNEX A: The EUT Appearance

The EUT Appearance are submitted separately.



ANNEX B: Product Change Description

The Product Change Description are submitted separately.

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