

TEST REPORT		
Report Number. :	90294-22-72-25-PP002	
Date of issue :	2025-07-17	
Prepared by (+signature)..... :	Pale Cai	
Reviewer (+signature)..... :	Duke Chen	
Approved by (+signature) :	Jason Gao	
Testing Laboratory name	SLG-CPC Testlaboratory Co., Ltd.	
Address	No. 11, Wu Song Road, Dongcheng District Dongguan, Guangdong Province, 523117, People's Republic of China	
Applicant's name	GUANGDONG ROULE ELECTRONICS CO.,LTD.	
Address	No. 12, Pingdong 3rd Road, Nanping Industry Community, Zhuhai City, Guangdong, China	
Manufacturer's name	GUANGDONG ROULE ELECTRONICS CO.,LTD.	
Address	No. 12, Pingdong 3rd Road, Nanping Industry Community, Zhuhai City, Guangdong, China	
Factory's name	GUANGDONG ROULE ELECTRONICS CO.,LTD.	
Address	No. 12, Pingdong 3rd Road, Nanping Industry Community, Zhuhai City, Guangdong, China	
Standard(s)	FCC 1.1310: §1.1307(b)	
Test item description	WIFI ALARM KIT	
Trade Mark	VOXON, 	
Model/Type reference	RL-AS200; 68062	
FCC ID	YI6-RL-AS200	
Date of receipt of test item	2022.04.07	
Date (s) of performance of test:	2022.04.07-05.06	
Summary of Test Results	Pass	
The Summary of Test Results based on a technical opinion belongs to the standard(s).		
General disclaimer: This report shall not be reproduced except in full, without the written approval of SLG-CPC Testlaboratory Co., Ltd. The test results in the report only apply to the tested sample.		

Table of Contents

1. EUT SPECIFICATION.....	4
2. TEST REQUIREMENT	5

Modified History

Report No.	Revision Date	Summary
90294-22-72-25-PP002	2025-07-17	Original Report

1. EUT Specification

Product:	WIFI ALARM KIT
Model Number:	RL-AS200; 68062
Test Model No:	RL-AS200
Power supply:	☒ : DC 3V from Battery
Modulation:	OOK
Frequency Range:	433.92 MHz
Max Transmit Power:	73.59 dBuV/m@3m(0.0069mW)
Antenna Gain:	2 dBi
Antenna:	PCB Antenna
Temperature Range:	-10°C ~ +50°C

2. Test Requirement

RF EXPOSURE EVALUATION

Test Requirement:

According to § 15.247(e)(i) and § 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 KDB447498 D01 General RF Exposure Guidance V06

The 1-g SAR and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where:

- $f(\text{GHz})$ is the RF channel transmit frequency in GHz
 - Power and distance are rounded to the nearest mW and mm before calculation
 - The result is rounded to one decimal place for comparison
- When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion.

Routine SAR evaluation refers to that specifically required by §2.1093, using measurements or computer simulation. When routine SAR evaluation is not required, portable transmitters with output power greater than the applicable low threshold require SAR evaluation to qualify for TCB approval. One antenna is available for the EUT. The minimum separation distance is 5mm.

Max Power (dBm)	Max Power (mW)	Frequency (MHz)	Min. Distance (mm)	Calc. Result	limit
-21.61	0.0069	433.92	5	0.00091	3.0

$EIRP(dBm) = E(dBuV/m) - 95.2 = 73.59 - 95.2 = -21.61 dBm$

According to KDB 447498 D01 General RF Exposure Guidance v06, no stand-alone required for 433M antenna, and no simultaneous SAR measurement is required.

*** End of Report ***

声明 Statement

1. 本报告无授权批准人签字及盖章无效;

This report is invalid without the signature and seal of the authorized approver.

2. 未经许可本报告不得部分复制;

This report shall not be copied partly without authorization.

3. 本报告的检测结果仅对送测样品有效, 委托方对样品的代表性和资料的真实性负责;

The test results or observations are applicable only to tested sample. Client shall be responsible for representativeness of the sample and authenticity of the material.

4. 本检测报告中检测项目标注有特殊符号则该项目不在资质认定范围内, 仅作为客户委托、科研、教学或内部质量控制等目的使用;

The observations or tests with special mark fall outside the scope of accreditation, and are only used for purpose of commission, research, training, internal quality control etc.

5. 本检测报告以实测值进行符合性判定, 未考虑不确定度所带来的风险, 本实验室不承担相关责任, 特别约定、标准或规范中有明确规定的除外;

The test results or observations are provided in accordance with measured value, without taking risks caused by uncertainty into account. Without explicit stipulation in special agreements, standards or regulations, SLG-CPC shall not assume any responsibility.

6. 对本检测报告若有异议, 请于收到报告之日起 20 日内提出;

Objections shall be raised within 20 days from the date receiving the report.