1 Cover Page

RF Exposure Report

Application No.:	SHEM2102001199CR
FCC ID:	2AZ66-AKC26V
Applicant:	Allynk Technology Co.Ltd.
Address of Applicant:	8F.,No.20,Chenggong 13th St.Zhubei City,Hsinchu County 30264,Taiwan
Manufacturer:	HangZhou Zkong Networks Co., Ltd.
Address of Manufacturer:	Room 1208-1210,17 Block 57, Baiyang Street Science Park Road,Hangzhou Economic and Technological Development Zone,Zhejiang Province
Factory:	Zhejiang Sunparl Information Technology Co., Ltd
Address of Factory:	No.19,Xinxing Road,Haining Lianhang Economic Zone,Zhejiang,China

Equipment Under Test (EUT):

EUT Name:	Electronic Shelf Label
Model No.:	AKC26V
Standard(s) :	FCC Rules 47 CFR §2.1091 KDB447498 D01 General RF Exposure Guidance v06
Date of Receipt:	2021-05-17
Date of Test:	2021-05-19 to 2021-05-20
Date of Issue:	2021-05-21
Test Result:	**Pass***

* In the configuration tested, the EUT complied with the standards specified above.

Parlam Zhan

Parlam Zhan
E&E Section Manager

The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards. Any mention of SGS International Electrical Approvals or testing done by SGS International Electrical Approvals in connection with, distribution or use of the product described in this report must be approved by SGS International Electrical Approvals in writing.

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Revision Record			
Version	**Description**	**Date**	**Remark**
00	Original	2021-05-21	/

Authorized for issue by:				
		Micheal Niu		
		Micheal Niu / Project Engineer		
		Parlam Zhan		
		Parlam Zhan / Reviewer		

通标标准技术服务(上海)有限公司
检验检测专用章
Inspection & Testing Services
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Testing Center EMC Laboratory

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3 General Information

3.1 General Description of E.U.T.

Power supply:	DC 3.0V by CR2450 battery*2

3.2 Technical Specifications

Antenna Gain:	2.4dBi (Provided by manufacturer)
Antenna Type:	PCB Antenna
Channel Spacing:	200KHz
Modulation Type:	FSK
Number of Channels:	111
Operation Frequency:	904-926MHz

3.3 Test Location

All tests were performed at:

Compliance Certification Services (Kunshan) Inc.

No.10 Weiye Rd, Innovation park, Eco&Tec, Development Zone, Kunshan City, Jiangsu, China.

Tel: +86 512 5735 5888 Fax: +86 512 5737 0818

No tests were sub-contracted.

3.4 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

• CNAS (No. CNAS L4354)

CNAS has accredited Compliance Certification Services (Kunshan) Inc. to ISO/IEC 17025:2017 General Requirements for the Competence of Testing and Calibration Laboratories (CNAS-CL01 Accreditation Criteria for the Competence of Testing and Calibration Laboratories) for the competence in the field of testing.

• A2LA (Certificate No. 2541.01)

Compliance Certification Services (Kunshan) Inc. is accredited by the American Association for Laboratory Accreditation (A2LA). Certificate No. 2541.01.

• FCC (Designation Number: CN1172)

Compliance Certification Services Inc. has been recognized as an accredited testing laboratory. Designation Number: CN1172.

• ISED (CAB identifier: CN0072)

Compliance Certification Services (Kunshan) Inc. has been recognized by Innovation, Science and Economic Development Canada (ISED) as an accredited testing laboratory.
CAB Identifier: CN0072.

• VCCI (Member No.: 1938)

The 3m and 10m Semi-anechoic chamber and Shielded Room of Compliance Certification Services (Kunshan) Inc. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: R-1600, C-1707, T-1499, G-10216 respectively.

4 Test Standards and Limits

4.1 FCC Radiofrequency radiation exposure limits:

According to§1.1310, the limit for general population/uncontrolled exposures

Frequency	Power density(mW/cm^2)	Averaging time(minutes)
300MHz~1.5GHz	f/1500	30
1.5GHz~100GHz	1.0	30

5 Measurement and Calculation

5.1 Maximum transmit power

The Power Data is based on the RF Test Report SHEM210200119901

Test Mode	Channel	Antenna 1 Power[dBm]	Antenna 1 Power[mW]
Lora	904	1.19	1.32
Lora	915	1.28	1.34
Lora	926	1.51	1.42

5.2 MPE Calculation

According to the formula $S=P/4\pi R^2$, we can calculate S which is MPE.

Note:

1) P (mW)
2) R = distance to the center of radiation of antenna (in meter) = 20cm
3) MPE limit = 1mW/cm²

Max. Conducted Power P(mW)	Gain in Linear Scale G	Operation Distance R(cm)	Power Density (mW/cm^2)	Limit (mW/cm^2)	Result
1.42	1.738	20	0.00049	1	Pass

According to the KDB447498 section 7.2 determine the device is exclusion from SAR test

--End of the Report--