



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

Parlan Zhan

Parlan Zhan
E&E Section Manager

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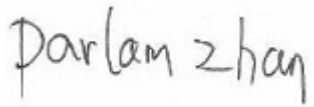
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Revision Record			
Version	Description	Date	Remark
00	Original	2021-05-21	/

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



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2 Contents

	Page
1 COVER PAGE.....	1
2 CONTENTS	3
3 GENERAL INFORMATION.....	4
3.1 GENERAL DESCRIPTION OF E.U.T.	4
3.2 TECHNICAL SPECIFICATIONS	4
3.3 TEST LOCATION	5
3.4 TEST FACILITY.....	5
4 TEST STANDARDS AND LIMITS	6
4.1 FCC RADIOFREQUENCY RADIATION EXPOSURE LIMITS:	6
5 MEASUREMENT AND CALCULATION	6
5.1 MAXIMUM TRANSMIT POWER	6
5.2 MPE CALCULATION	6



3 General Information

3.1 General Description of E.U.T.

Power supply:	DC 3.0V by CR2450 battery*2
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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--