TCT 通测检测 TESTING CENTRE TECHNOLOGY

Maximum Permissible Exposure

FCC ID: 2AOKI-WFM601UWS3

Product: WiFi Module

Model No.: WF-M601-UWS3

Additional Model No.: N/A

Trade Mark: N/A

Report No.: TCT190312E037

Issued Date: Mar. 25, 2019

Issued for:

Sichuan AI-Link Technology Co., Ltd.

Anzhou, Industrial park, Mianyang, Sichuan, China

Issued By:

Shenzhen Tongce Testing Lab.

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Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com

1. Test Certification

Product:	WiFi Module
Model No.:	WF-M601-UWS3
Additional Model No.:	N/A
Trade Mark:	**N/A**
Applicant:	Sichuan AI-Link Technology Co., Ltd.
Address:	Anzhou, Industrial park, Mianyang, Sichuan, China
Manufacturer:	Sichuan AI-Link Technology Co., Ltd.
Address:	Anzhou, Industrial park, Mianyang, Sichuan, China
Date of Test:	Mar. 13, 2019 – Mar. 22, 2019

The above equipment has been tested by Shenzhen Tongce Testing Lab. and found compliance with the requirements set forth in the technical standards mentioned above. The results of testing in this report apply only to the product/system, which was tested. Other similar equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties.

Tested By:	Kevin Huang	***Date:***	***Mar. 22, 2019***
	Kevin Huang		
Reviewed By:	Beryl Zhao	***Date:***	***Mar. 25, 2019***
	Beryl Zhao		
Approved By:	Tomsin	***Date:***	***Mar. 25, 2019***
	Tomsin		

2. EUT Description

Product:	WiFi Module
Model No.:	WF-M601-UWS3
Additional Model No.:	N/A
Trade Mark:	**N/A**
Hardware Version:	JUI7.820.0409-1
Software Version:	MT7601_USB_QA_V1.0.9.0
Operation Frequency:	2412MHz~2462MHz (802.11b/802.11g/802.11n(HT20)) 2422MHz~2452MHz (802.11n(HT40))
Modulation Type:	DSSS(802.11b) OFDM (802.11g/802.11n)
Antenna Type:	Integral Antenna
Antenna Gain:	2dBi
Power Supply:	DC 5V

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3. General Information

3.1. Test environment and mode

Item	Normal condition
Temperature	+25ºC
Voltage	DC 5V
Humidity	54%
Atmospheric Pressure:	1008 mbar
Test Mode:	
WiFi Mode:	**Keep the EUT in transmitting mode with modulation.**

Applicable Standard
According to §1.1307(b), systems operating under the provisions of this section shall be operated in a manner that ensure that the public is not exposed to radio frequency energy level in excess of the Commission's guideline.

Remark: 1) The maximum output power for antenna is 14.51dBm (28.25mW) at 2412MHz, 2dBi antenna gain(with 1.58 numeric antenna gain.)
2) For mobile or fixed location transmitters, no SAR consideration applied. The minimum separation
generally be used is at least 20cm, even if the calculation indicate that the MPE distance would be
lesser.

Calculation

Given $E = \frac{\sqrt{30 \times P \times G}}{d}$ & $S = \frac{E^2}{3770}$

Where E = *Field Strength in Volts / meter*
P = *Power in Watts*
G=*Numeric antenna gain*
d=*Distance in meters*
S=*Power Density in milliwatts / square centimeter*

Maximum Permissible Exposure
output power= 28.25mW
Numeric Antenna gain= 1.58
Substituting the MPE safe distance using d=20cm into above equation.
Yields:
S=0.000199*P*G
Where P=Power in mW
G=Numeric antenna gain
S=Power density in mW/cm^2
Power density= 0.008882mW/cm^2

(For mobile or fixed location transmitters, the maximum power density is 1.0 mW/cm^2 even if the calculation
indicates that the power density would be larger.)

Result:
No RF Exposure Evaluation measurement is required.

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

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