

AIFA TECHNOLOGY CORP.  
No.230, Sec. 2, Bade Rd., Fengshan Dist., Kaohsiung City 83053 Taiwan

Federal Communications Commission  
Authorization and Evaluation Division  
Equipment Authorization Branch  
7435 Oakland Mills Road  
Columbia, MD 21046

### **Applicant's declaration concerning RF Radiation Exposure**

We hereby indicate that the product  
Product description: WiFi Module  
Model No: WiFi-04

The equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. The integral antennas used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter within the host device.

A safety statement concerning minimum separation distances from enclosure of the Product : WiFi Module will be integrated in the user's manual to provide end-users with transmitter operating conditions for satisfying RF exposure compliance.

The appropriate information can be drawn from the test report no: W6M21601-15579-C-1 and the accompanying calculations.

Company: AIFA TECHNOLOGY CORP.  
Address: No.230, Sec. 2, Bade Rd., Fengshan Dist., Kaohsiung City 83053 Taiwan

Date: 2016/05/18

Signature

A handwritten signature in black ink, appearing to read "Hung LSL", written over a light blue horizontal line.



Registration number: W6M21601-15579-C-1

FCC ID: 2ABUR-WIFI-04

## 3.2 Equivalent isotropic radiated power

FCC Rule: 15.247(b)(3)

Test exclusion = max. conducted output power + adjusted for tune-up tolerance

Test exclusion = 11.04 dBm

Test equipment used: ETSTW-RE 055

## 3.3 RF Exposure Compliance Requirements

FCC OET Bulletin 65 Edition 97.01 determines the equations for predicting RF fields and applicable limits.

The prediction for power density in the far-field but will over-predict power density in the near field, where it could be used for walking a “worst case” or conservative prediction.

$$S = \frac{PG}{4\pi R^2}$$

S – Power Density

P – Output power ERP

R – Distance

D – Cable Loss

AG – Antenna Gain

Item	Unit	Value	Remarks
P	mW	12.7057	Peak value
D	dB		
AG	dBi	2	
G		1.5849	Calculated Value
R	cm	20	Assumed value
S	mW/cm <sup>2</sup>	0.004	Calculated value

Limits:

Limit for General Population / Uncontrolled Exposure	
Frequency (MHz)	Power Density (mW/cm <sup>2</sup> )
1500 – 100.000	1.0