

CHY FIREMATE CO., LTD.  
No.3 Sheng-Li 1st Street, Xintian Village, Rende District,  
Tainan City, Taiwan R.O.C.

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: Wireless Module  
Model No: VEABT002

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 : Wireless Module  
will be integrated in the user's manual to provide end-users with transmitter operating  
conditions for satisfying RF exposure compliance.

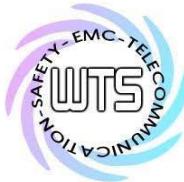
The appropriate information can be drawn from the test report no: W6M21703-16762-C-1  
and the accompanying calculations.

Company: CHY FIREMATE CO., LTD.  
Address: No.3 Sheng-Li 1st Street, Xintian Village, Rende District, Tainan City, Taiwan  
R.O.C.

Date: March 31, 2017

Signature

A handwritten signature in blue ink that reads "chun yih Lee". The signature is fluid and cursive, with "chun" and "yih" connected and "Lee" written separately at the end.



# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21703-16762-C-1  
FCC ID: VEABT002

## 3.2 RF Exposure Compliance Requirements

FCC Rule: 15.247(b)(3)

Test exclusion = max. conducted output power + adjusted for tune-up tolerance  
Test exclusion = 13.15 dBm

Test equipment used: ETSTW-RE 055

### RESULT:

CC 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.

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

S – Power Density

P – Output power ERP

R – Distance

D – Cable Loss

AG – Antenna Gain

Item	Unit	Value	Remarks
P	mW	20.6538	Peak value
D	dB		
AG	dBi	-1.399	
G		0.7246	Calculated Value
R	cm	20	Assumed value
S	mW/cm <sup>2</sup>	0.0030	Calculated value

Limits:

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