

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.

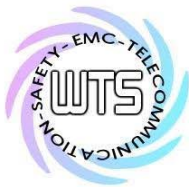
The appropriate information can be drawn from the test report no: W6M21703-16762-C-1 and the accompanying calculations.

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





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.

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

S – Power Density

P – Output power ERP

R – Distance

D – Cable Loss

AG – Antenna Gain

| Item | Unit               | Value   | Remarks          |
|------|--------------------|---------|------------------|
| P    | mW                 | 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<br>(MHz)                                   | Power Density<br>(mW/cm <sup>2</sup> ) |
| 1500 – 100.000                                       | 1.0                                    |