

Fieldpiece Instruments, Inc  
1636 WEST COLLINS AVE ORANGE, CA 92867 United States

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: 2ALHR002


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.

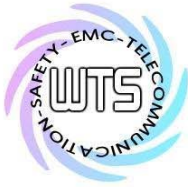
A safety statement concerning minimum separation distances from enclosure of the Product : Wireless Module will be integrated in the user's manual to provide end-users with transmitter operating conditions for satisfying RF exposure compliance.

The appropriate information can be drawn from the test report no: W6D21703-16764-C-1 and the accompanying calculations.

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Date: March 31, 2017

Signature 



Registration number: W6D21703-16764-C-1  
 FCC ID: 2ALHR002

**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 (MHz)	Power Density (mW/cm <sup>2</sup> )
1500 – 100.000	1.0