

**Honeywld Technology Corp.  
4F-1, No.5, Hsin-Ann Rd., Hsinchu Science Park, Hsinchu 30076,  
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: Communicator  
Model No: XC-7107

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 : Communicator  
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: W6M21812-18685-C-1  
and the accompanying calculations.

Company: Honeywld Technology Corp.  
Address: 4F-1, No.5, Hsin-Ann Rd., Hsinchu Science Park, Hsinchu 30076, Taiwan, R.O.C.

Date: 2019-03-04

Signature 



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

Registration number: W6M21812-18685-C-1

FCC ID: UNG-XC7107

## **3.2 Equivalent isotropic radiated power**

FCC Rule: 15.247(b)(3)

EIRP = max. conducted output power

EIRP = 16.53 dBm

Limit: EIRP = +36 dBm for Antenna gain <6dBi

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	44.9780	Peak value
D	dB		
AG	dBi	0	
G		1	Calculated Value
R	cm	20	Assumed value
S	mW/cm <sup>2</sup>	0.0089	Calculated value

Limits:

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