

GIGA-TMS INC.  
8F, NO.31, LANE 169, KANG-NING ST.,HSI-CHIH,  
NEW TAIPEI CITY, Taiwan 22180

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: UHF RFID Reader  
Model No: PWD100

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 : UHF RFID Reader  
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: W6M21701-16572-C-2 and the accompanying calculations.

Company: GIGA-TMS INC.  
Address: 8F, NO.31, LANE 169, KANG-NING ST.,HSI-CHIH, NEW TAIPEI CITY,  
Taiwan 22180

Date: 2017-03-20

Signature

*M. T. WANG*



Registration number: W6M1701-16572-C-2

FCC ID: WXAPWD100

### **3.2 RF Exposure Compliance Requirements**

According to Supplement C, Edition 01-01 to OET Bulletin 65, Edition 97-01 this spread spectrum transmitter is categorically excluded from routine environmental evaluation because of the low power level, where there is a high likelihood of compliance with RF exposure standards.

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

S – Power Density

P – Output power ERP

R – Distance

D – Cable Loss

AG – Antenna Gain

Item	Unit	Value	Remarks
P	mW	446.6836	Peak value
D	dB		
AG	dBi	9.3	
G		8.5114	Calculated Value
R	cm	20	Assumed value
S	mW/cm <sup>2</sup>	0.7564	Calculated value

Limits:

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