

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

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: UE600

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: W6M21503-14919-C-1 and the accompanying calculations.

Date: 2015/04/29

Signature

*M. J. WANG*



Registration number: W6M21503-14919-C-1

FCC ID: WXAUE600

## **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.

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

S – Power Density

P – Output power ERP

R – Distance

D – Cable Loss

AG – Antenna Gain

| Item | Unit               | Value  | Remarks          |
|------|--------------------|--------|------------------|
| P    | mW                 | 50.93  | Peak value       |
| D    | dB                 | --     | --               |
| AG   | dBi                | 5      | --               |
| G    | --                 | 3.1623 | Calculated Value |
| R    | cm                 | 20     | Assumed value    |
| S    | mW/cm <sup>2</sup> | 0.0320 | 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                                    |