

Taiwan Fu Hsing Industrial Co., Ltd.  
No.88, Yucai Rd., Gangshan Dist., Kaohsiung City 820,  
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: Access Control- Electronic Interconnected Lock

Model No: A21

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 : Access Control- Electronic Interconnected Lock  
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: W6M21512-15483-C-1 and the accompanying calculations.

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Date: 2015-12-25

  
Signature



## 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 = -1.96 dBm

### RESULT:

Test standard : FCC KDB Publication  
447498 D01 General RF Exposure Guidance v05r02

According to 447498 D01 General RF Exposure Guidance v05r02:

SAR evaluation, by measurement or numerical simulation, is not required when the corresponding SAR Exclusion Threshold condition, listed below, is satisfied.

The enclosure of the device provides  $\geq 0.5$  cm separation from the antenna elements to significant metal parts of the enclosure to minimize potential perturbations.

Frequency Band: 2400-2483.5 MHz

Maximum Power fed to Antenna: 0.6368 mW

Separation distances:

Radiator to user: > 5 mm

Distance prescribed in user manual: > 5 mm

| MHz  | 5  | 10 | 15 | 20 | 25 | mm                                      |
|------|----|----|----|----|----|-----------------------------------------|
| 2450 | 10 | 19 | 29 | 38 | 48 | SAR Test<br>Exclusion<br>Threshold (mW) |

| MHz  | 30 | 35 | 40 | 45 | 50 | mm                                      |
|------|----|----|----|----|----|-----------------------------------------|
| 2450 | 57 | 67 | 77 | 86 | 96 | SAR Test<br>Exclusion<br>Threshold (mW) |

| MHz  | 50 | 60  | 70  | 80  | 90  | 100 | 110 | 120 | 130 | 140 | 150  | 160  | 170  | 180  | 190  | mm |
|------|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|----|
| 2450 | 96 | 196 | 296 | 396 | 496 | 596 | 696 | 796 | 896 | 996 | 1096 | 1196 | 1296 | 1396 | 1496 | mW |