

MIPRO Electronics Co., Ltd.  
814 Pei-kang Road Chia-yi 600 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: Transmitter  
Model No: ACT-24TC

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.

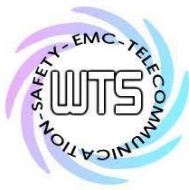
A safety statement concerning minimum separation distances from enclosure of the  
Product : Transmitter  
will be integrated in the user's manual to provide end-users with transmitter operating conditions for satisfying RF exposure compliance.

The appropriate information can be drawn from the test report no: W6M21502-14820-C-1 and the accompanying calculations.

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MIPRO ELECTRONICS CO., LTD.

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Registration number: W6M21502-14820-C-1  
FCC ID: M5X-ACT24TC  
IC: 2978A-ACT24TC

## 3.2 Equivalent isotropic radiated power

FCC Rule: 15.247(b)(3)

EIRP = max. conducted output power + antenna gain

EIRP = 8.33 dBm + 0 dBi  
= 8.33 dBm

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

Test equipment used: ETSTW-RE 055

## 3.3 RF Exposure Compliance Requirements

According to KDB447498 10 D01v05:

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: 2402-2482 MHz

Maximum Power fed to Antenna: 6.808 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 |