

**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-58H

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: W6M21904-18928-C-54 and the accompanying calculations.

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MIPRO ELECTRONICS CO., LTD.

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Registration number: W6M21904-18928-C-7

FCC ID: M5X-ACT58H

IC: 2978A-ACT58H

### 3.9 Equivalent isotropic radiated power, FCC 15.407 (f)

FCC Rule: 15.407(b)(3)

For systems using digital modulation in the 5.725 GHz-5.850 GHz bands: 1 Watt.

The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

EIRP = max. conducted output power

EIRP = 10.14 dBm

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

Test equipment used: ETSTW-RE 055

### 3.10 RF Exposure Compliance Requirements

#### RESULT:

Test standard : FCC KDB Publication  
447498 D01 General RF Exposure Guidance v06

According to 447498 D01 General RF Exposure Guidance v06:

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  $\geq 2$  cm separation from the antenna elements to significant metal parts of the enclosure to minimize potential perturbations.

Frequency Band: 5725-5850 MHz

Maximum Power fed to Antenna: 10.3276 mW

Separation distances:

Radiator to user: > 20 mm

Distance prescribed in user manual: > 20 mm

| MHz  | 5 | 10 | 15 | 20 | 25 | mm                                      |
|------|---|----|----|----|----|---|
| 5800 | 6 | 12 | 19 | 25 | 31 | SAR Test<br>Exclusion<br>Threshold (mW) |

| MHz  | 30 | 35 | 40 | 45 | 50 | mm                                      |
|------|----|----|----|----|----|---|
| 5800 | 37 | 44 | 50 | 56 | 62 | SAR Test<br>Exclusion<br>Threshold (mW) |

| MHz  | 50 | 60  | 70  | 80  | 90  | 100 | 110 | 120 | 130 | 140 | 150  | 160  | 170  | 180  | 190  | mm |
|------|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|----|
| 5800 | 62 | 162 | 262 | 362 | 462 | 562 | 662 | 762 | 862 | 962 | 1062 | 1162 | 1262 | 1362 | 1462 | mW |