

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-58TC

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: W6M21905-19028-C-54 and the accompanying calculations.

Company: MIPRO Electronics Co., Ltd.
Address: 814 Pei-kang Road Chia-yi 600 Taiwan, R.O.C

Date: 2019-04-24

MIPRO ELECTRONICS CO., LTD.

Solomon Chang



Registration number: W6M21905-19028-C-7

FCC ID: M5X-ACT58TC58T

IC: 2978A-ACT58TC58T

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 = 9.45 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 ≥ 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: 8.8105 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 Exclusion Threshold (mW)

MHz	30	35	40	45	50	mm
5800	37	44	50	56	62	SAR Test Exclusion 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