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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: Handheld Wireless Microphone  
Model No: MTG-100Ha

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 : Handheld Wireless Microphone 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: W6M21405-14187-C-1 and the accompanying calculations.

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

Date: June 25, 2014

Signature MIPRO ELECTRONICS CO., LTD.

A handwritten signature in blue ink that reads "Solomon Chang". The signature is written in a cursive style and is underlined with a blue line.



Registration number: W6M21405-14187-C-1  
 FCC ID: M5X-MTG100HA  
 IC: 2978A-MTG100HA

**3.2 Equivalent isotropic radiated power**

FCC Rule: 15.247(b)(3)

EIRP = max. conducted output power + antenna gain  
 EIRP = 10.41 dBm + 0 dBi  
 = 10.41 dBm

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

Test equipment used: ETSTW-RE 055

**3.3 RF Exposure Compliance Requirements**

RESULT:

Test standard : FCC KDB Publication 447498 10 D01v05

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: 902-928 MHz

Maximum Power fed to Antenna: 10.99 mW

Separation distances:

Antenna feed center to metal parts of enclosure: > 5 mm

Distance prescribed in user manual: > 5 mm

MHz	5	10	15	20	25	mm
900	16	32	47	63	79	SAR Test Exclusion Threshold (mW)

MHz	30	35	40	45	50	mm
900	95	111	126	142	158	SAR Test Exclusion Threshold (mW)

MHz	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	mm
900	158	218	278	338	398	458	518	578	638	698	758	818	878	938	998	mW