

**CLIMAX TECHNOLOGY CO., LTD.**  
**No. 258, Sinhu 2nd Rd., Neihu District 114, Taipei City,**  
**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: Repeater  
Model No: G4RP-990

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 : Repeater  
will be integrated in the user's manual to provide end-users with transmitter operating conditions for satisfying RF exposure compliance.

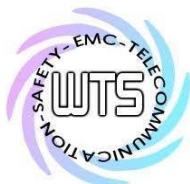
The appropriate information can be drawn from the test report no: W6M21512-15495-C-1 and the accompanying calculations.

Company: CLIMAX TECHNOLOGY CO., LTD.  
Address: No. 258, Sinhu 2nd Rd., Neihu District 114, Taipei City, Taiwan ( R.O.C.)

Date: 2015/12/25

Signature

George Lin



Registration number: W6M21512-15495-C-1

FCC ID: GX9G4RP

## **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 = 6.87 dBm

Test equipment used: ETSTW-RE 055

## **RF Exposure Compliance Requirements**

FCC OET Bulletin 65 Edition 97.01 determines the equations for predicting RF fields and applicable limits.

The prediction for power density in the far-field but will over-predict power density in the near field, where it could be used for walking a “worst case” or conservative prediction.

$$S = \frac{PG}{4\pi R^2}$$

S – Power Density

P – Output power ERP

R – Distance

D – Cable Loss

AG – Antenna Gain

Item	Unit	Value	Remarks
P	mW	4.8641	Peak value
D	dB		
AG	dBi	1.8	
G		1.5136	Calculated Value
R	cm	20	Assumed value
S	mW/cm <sup>2</sup>	0.0015	Calculated value

Limits:

Limit for General Population / Uncontrolled Exposure	
Frequency (MHz)	Power Density (mW/cm <sup>2</sup> )
1500 – 100.000	1.0