

**Climax Technology Co Ltd**  
**No. 258, Sinhu 2nd Rd., Neihu District Taipei City 114 Taiwan**

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: Wireless Medical Alarm  
Model No: CTC-1052xxx-xxxxx Series (x=0~9, A~Z or blank)

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: Wireless Medical Alarm 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: W6M21711-17577-P-247 and the accompanying calculations.

Company: Climax Technology Co Ltd  
Address: No. 258, Sinhu 2nd Rd., Neihu District Taipei City 114 Taiwan

Date: 2017-11-24

Signature 



Report Number: W6M21711-17577-P-247

FCC ID: GX9CTC1052LTE

**10 Maximum Permissible Exposure**

**10.1 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.

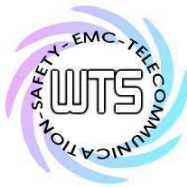
$$S = \frac{PG}{4\pi R^2}$$

- S – Power Density
- P – Output power ERP
- R – Distance
- D – Cable Loss
- AG – Antenna Gain

WCDMA Band 2			
Item	Unit	Value	Remarks
P	dBm/mW	22.45/175.7924	Peak value
D	dB		
AG	dBi	-0.53	
G		0.8851	Calculated Value
R	cm	20	Assumed value
S	mW/cm <sup>2</sup>	0.0310	Calculated value

WCDMA Band 5			
Item	Unit	Value	Remarks
P	dBm/mW	22.60/181.9701	Peak value
D	dB		
AG	dBi	-4.79	
G		0.3319	Calculated Value
R	cm	20	Assumed value
S	mW/cm <sup>2</sup>	0.0120	Calculated value

LTE Band 2			
Item	Unit	Value	Remarks
P	dBm/mW	24.33/271.0192	Peak value
D	dB		
AG	dBi	-0.53	
G		0.8851	Calculated Value
R	cm	20	Assumed value
S	mW/cm <sup>2</sup>	0.0477	Calculated value



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LTE Band 4			
Item	Unit	Value	Remarks
P	dBm/mW	23.82/240.9905	Peak value
D	dB		
AG	dBi	-1.18	
G		0.7621	Calculated Value
R	cm	20	Assumed value
S	mW/cm <sup>2</sup>	0.0365	Calculated value

LTE Band 5			
Item	Unit	Value	Remarks
P	dBm/mW	23.37/217.2701	Peak value
D	dB		
AG	dBi	-4.79	
G		0.3319	Calculated Value
R	cm	20	Assumed value
S	mW/cm <sup>2</sup>	0.0143	Calculated value

LTE Band 17			
Item	Unit	Value	Remarks
P	dBm/mW	23.17/207.4914	Peak value
D	dB		
AG	dBi	-1.08	
G		0.7798	Calculated Value
R	cm	20	Assumed value
S	mW/cm <sup>2</sup>	0.0322	Calculated value

Limits:

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