

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.

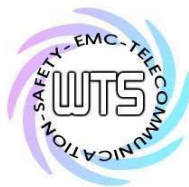
A safety statement concerning minimum separation distances from enclosure of the
Product: Wireless Medical Alarm
will be integrated in the user's manual to provide end-users with transmitter operating conditions for satisfying RF exposure compliance.

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

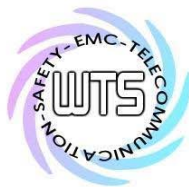
D – Cable Loss

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 ²	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 ²	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 ²	0.0477	Calculated value



Worldwide Testing Services(Taiwan) Co., Ltd.

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

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

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

Limits:

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