

**CLIMAX TECHNOLOGY CO., LTD.**  
**No. 258, Sinhu 2nd Rd., Neihu District**  
**Taipei City 114 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: Frontpoint Hub  
Model No: FPHUB1

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: Frontpoint Hub  
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: W6R21805-18133-C-7, W6R21805-18133-P-247 and the accompanying calculations.

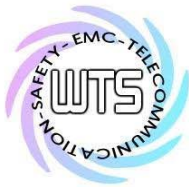
Company: CLIMAX TECHNOLOGY CO., LTD.

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

Date: 2018-06-04

Signature

George Lin



Registration number: W6R21805-18133-C-7

FCC ID: GX9FPHUB1

## 3.2 Equivalent isotropic radiated power

FCC Rule: 15.247(b)(3)

EIRP = max. conducted output power

EIRP = 13.66 dBm

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

Test equipment used: ETSTW-RE 055

## 3.3 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

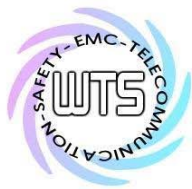
D – Cable Loss

AG – Antenna Gain

Item	Unit	Value	Remarks
P	mW	23.2274	Peak value
D	dB		
AG	dBi	4.25	
G		2.6607	Calculated Value
R	cm	20	Assumed value
S	mW/cm <sup>2</sup>	0.0123	Calculated value

Limits:

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



Report Number: W6R21805-18133-P-247

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## 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

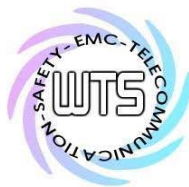
D – Cable Loss

AG – Antenna Gain

WCDMA Band 2			
Item	Unit	Value	Remarks
P	dBm/mW	22.69/185.7804	Peak value
D	dB		
AG	dB	4.91	
G		3.0974	Calculated Value
R	cm	20	Assumed value
S	mW/cm <sup>2</sup>	0.1145	Calculated value

WCDMA Band 4			
Item	Unit	Value	Remarks
P	dBm/mW	23.10/204.1738	Peak value
D	dB		
AG	dB	2.72	
G		1.8707	Calculated Value
R	cm	20	Assumed value
S	mW/cm <sup>2</sup>	0.0760	Calculated value

WCDMA Band 5			
Item	Unit	Value	Remarks
P	dBm/mW	20.16/103.7528	Peak value
D	dB		
AG	dB	-2.27	
G		0.5929	Calculated Value
R	cm	20	Assumed value
S	mW/cm <sup>2</sup>	0.0122	Calculated value



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LTE Band 2			
Item	Unit	Value	Remarks
P	dBm/mW	22.59/181.5516	Peak value
D	dB		
AG	dB	4.91	
G		3.0974	Calculated Value
R	cm	20	Assumed value
S	mW/cm <sup>2</sup>	0.1119	Calculated value

LTE Band 4			
Item	Unit	Value	Remarks
P	dBm/mW	22.00/158.4893	Peak value
D	dB		
AG	dB	2.72	
G		1.8707	Calculated Value
R	cm	20	Assumed value
S	mW/cm <sup>2</sup>	0.0590	Calculated value

LTE Band 5			
Item	Unit	Value	Remarks
P	dBm/mW	20.98/125.3141	Peak value
D	dB		
AG	dB	-2.27	
G		0.5929	Calculated Value
R	cm	20	Assumed value
S	mW/cm <sup>2</sup>	0.0148	Calculated value

LTE Band 12			
Item	Unit	Value	Remarks
P	dBm/mW	20.99/125.6030	Peak value
D	dB		
AG	dB	1.05	
G		1.2735	Calculated Value
R	cm	20	Assumed value
S	mW/cm <sup>2</sup>	0.0318	Calculated value

Limits:

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