

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.

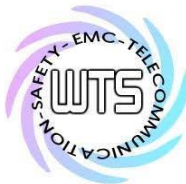
Company: CLIMAX TECHNOLOGY CO., LTD.

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: GX9FPUB1

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

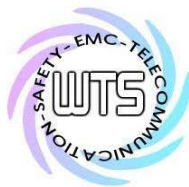
D – Cable Loss

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 ²	0.0123	Calculated value

Limits:

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



Report Number: W6R21805-18133-P-247

FCC ID: GX9FPHUB1

10 Maximum Permissible Exposure

10.1 RF Exposure Compliance Requirements

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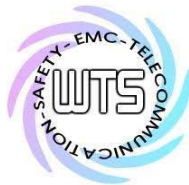
D – Cable Loss

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 ²	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 ²	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 ²	0.0122	Calculated value



Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R21805-18133-P-247

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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 ²	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 ²	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 ²	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 ²	0.0318	Calculated value

Limits:

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