

Amped Wireless
13089 Peyton Dr. #C307 Chino Hills California 91709 United States

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: High Power Touch Screen AC750 Wi-Fi Router
Model No: TAP-R2

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 : High Power Touch Screen AC750 Wi-Fi Router 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: W6D21410-14561-C-54-R and the accompanying calculations.

Company: Amped Wireless
Address: 13089 Peyton Dr. #C307 Chino Hills California 91709 United States

Date: 2015/04/02

Signature

A handwritten signature in black ink, consisting of a stylized, cursive 'A' followed by a large, sweeping loop.



Registration number: W6D21410-14561-C-54-R

FCC ID: ZTT-TAPR2

3.9 Radio Frequency Radiation Exposure, FCC 15.407 (f)

FCC Rule: 15.407(b)(3)

EIRP = max. conducted output power + antenna gain

Band 1

EIRP = 19.85 dBm + 2.76 dBi
= 22.61 dBm

Band 4

EIRP = 16.79 dBm + 3.13 dBi
= 19.92 dBm

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

Test equipment used: ETSTW-RE 055

3.10 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

Band 1

Item	Unit	Value	Remarks
P	mW	96.6051	Peak value
D	dB		
AG	dBi	2.76	
G		1.8880	Calculated Value
R	cm	20	Assumed value
S	mW/cm ²	0.0363	Calculated value

Band 4

Item	Unit	Value	Remarks
P	mW	47.7529	Peak value
D	dB		
AG	dBi	3.13	
G		2.0559	Calculated Value
R	cm	20	Assumed value
S	mW/cm ²	0.0195	Calculated value