

RF Exposure Considerations for FCC ID: FCC ID: 2A007-BLUEV2

The calculation of the MPE is as following:

Prediction of MPE limit at a prediction distance:

$$S = \frac{P.G}{4.\pi.R^2} = \frac{E.I.R.P}{4.\pi.R^2}$$

S: Power density (mW/cm²)

P: Peak output power at antenna terminal (mW)

G: Numerical Antenna gain

R: Distance of radiation to antenna (cm)

MPE calculation

<i>Frequency (MHz)</i>	<i>Maximum E.I.R.P. (mW)</i>	<i>R (cm)</i>	<i>Power Density S (mW/cm²)</i>	<i>MPE limit (mW/cm²)</i>	<i>% of limit</i>	<i>Limit (%)</i>	<i>Verdict</i>
2402 / 2480	2.0	20	0.0004	1.0	0.04	-	<i>Below MPE limit for uncontrolled exposure</i>
902.2	206	20	0.041	0.6	6.83	-	
<i>Simultaneous transmissions</i>				SUM =	6.87	100%	

Conclusion: Therefore the device complies with FCC's RF radiation exposure limits for general population for a mobile device.

Certified By

Laurent CHAPUS (Agent for this device)

SMEE

Rue de Taille

ZI des Blanchisseries

38500 Voiron - France

laurent.chapus@smee.fr

FCC Registration Number: 0020356952 (FRN)



Applicant for this device:

RIIOT LABS SA

Julien Delarbre

Boulevard de l'Ourthe, 16

4032 Chênée – Belgium

Julien@riiotlabs.com

0032 499 61 14 47

COORDONNEES

SMEE

Rue de Taille – ZI Des Blanchisseries

38500 VOIRON - France

TEL : 04 76 65 76 50

FAX : 04 76 66 18 30

SAS au capital de 50 000 € / RC Grenoble B534 796 453 / SIRET 534 796 453 00015 / code APE 7490B / n° TVA : FR 59 534 796 453