

RF Exposure Considerations for FCC ID: YCP-MB203201

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) (1)</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	7.2	20	0.00143	1	0.143	100%	Below MPE limit for uncontrolled exposure
<i>Simultaneous transmissions</i>				SUM =	<i>N/A (2)</i>	100%	

(1): Power value is taken from EIRP (Conducted power + antenna gain)

(2): No simultaneous RF transmission

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

385, Rue René Rambaud

ZA Le Parvis 2

38500 Voiron - France

laurent.chapus@smee.fr

FCC Registration Number: 0020356952 (FRN)

Applicant for this device:

STMicroelectronics (Rousset) SAS

190 Avenue Celestin Coq

13106 ROUSSET – France

FRN: 0019756717

COORDONNEES

SMEE

385, Rue René Rambaud, ZA le Parvis 2

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 00023 / code APE 7490B / n° TVA : FR 59 534 796 453