

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

Frequency (MHz)	Maximum E.I.R.P. (mW) (1)	R (cm)	Power Density S (mW/cm ²)	MPE limit (mW/cm ²)	% of limit	Limit (%)	Verdict
2402-2480	7.2	20	0.00143	1	0.143	100%	Below MPE limit for uncontrolled exposure
Simultaneous transmissions				SUM =	N/A (2)	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

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Applicant for this device:

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