

RF Exposure Considerations for FCC ID: YCP-32WL5MOCH01

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>
902-928 DTS	251.2	20	0.05	0.6	4.99	100%	<i>Below MPE limit for uncontrolled exposure</i>
902-928 FHSS	251.2	20	0.05	0.6	4.99	100%	
<i>Simultaneous transmissions</i>				SUM =	<i>N/A (2)</i>	100%	

(1): Power value is taken from conducted power including tolerance (22dBm max) + 2dBi 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

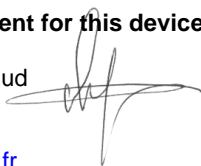
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