



MPE calculation

Model number: GRG2501
FCC ID RX2GRG2501
IC: 4983A-GRG2501

According to the RSS-102, issue 5 Standard and to FCC §15.247(b)(4) and §1.1307(b)(1), systems operation under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

MPE Prediction

<i>Frequency range (MHz)</i>	<i>Power density (mW/cm²)</i>
400 - 1500	f/1500
1500 - 100000	1 mW/cm ²

Equation for calculation

$$S = P * G / (4\pi R^2)$$

Where: S – Power density
 P – Power input to antenna
 G – Antenna gain relative to isotropic radiator
 R – Distance to antenna

Maximum peak output power at antenna terminal: +13.8 dBm (23.99 mW)

Antenna gain: -2 dBi

Prediction distance: 20cm

MPE limit for General Population/Uncontrolled Exposure: 1 mW/cm²

Calculation's results:

Power density at 20cm distance: **0.003 mW/cm²**

Best Regards

A handwritten signature in blue ink that reads 'Imad Hjiye'.