WiBear-SF2 MPE calculation.

Model: AN00K73535

According 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

Equation for calculation

$$S=PG/4\pi R^2$$

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: +18dBm (63mW)
Antenna gain: 2.1dBi (numeric 1.62)
Prediction distance: 20cm
Frequency: 2450MHz
MPE limit for General Population/Uncontrolled Exposure: 1mW/cm^2

Results:
MPE safe distance (where is power density less than 1.0mW/cm^2): ***2.85cm***
Power density at 20cm distance: ***0.020mW/ cm^2***