CALCULATED SAR for UNCONTROLLED, GENERAL POPULATION

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

Where S = power density in mw/cm^2
P = input power to antenna in mw.
G = power gain of antenna
R = distance from antenna in cm.

For a minimum distance of 3 meters and 2 watt operation with a 10-dB gain antenna, S is:

$S = 1000(10)/(4\pi(300)^2) = 0.0088\ mw/cm^2$

This is within the requirements of 1.0 mw/cm^2.

There is only one antenna available for use with this system. It is professionally installed and modification or substitution is not an option. The typical gain of the antenna is 6 dB and will always be less than 10 dB. A picture of the antenna is included in the report.