MPE CALCULATION

Schick Technologies
FCC ID: QWCB2410100

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

Where,

S = Power Density, in mW/cm^2; or, 25 mW
P = Power Input to Antenna, in mW;
G = Gain of Antenna (dBi), Assumed to be (1)
R = Distance to antenna, equal to 20 cm.

$S = (P * G) / (4 * \pi * R^2)$
$= (25 * 1) / (4 * \pi * .20^2)$
$= 25 / (5024)$
$= 0.00498\ mW/cm^2$

Solving for R with S = 5.0 and 1.0 yields the following distances.

	Occupational Control	Uncontrolled
Maximum permissible Exposure	5.0 mW/cm^2	1.0 mW/cm^2
Compliance from Center of Antenna	0.6 cm	1.4 cm
In Compliance	Yes	Yes