

RF Exposure Evaluation

A calculation based on the **FCC's Evaluating Compliance with FCC Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields (Edition 97-01)** appears below.

$$\text{EIRP} = 12.9 \text{dBm} = 19.5 \text{mW}$$

The limit for General Population/Uncontrolled Exposure is

$$S \text{ [mW/cm}^2\text{]} = 0.601$$

The distance from the antenna at which this radiation level will be reached is

$$R = \text{SQRT}(\text{EIRP}/4\pi S)$$

$$R = \text{SQRT}(19.5 / (4\pi \times 0.601)) = 2.6 \text{cm}$$

RESULTS

20cm is the minimum distance for portable devices. A statement must appear in the user's manual cautioning that 20cm is the minimum distance that needs to be maintained between the product and nearby persons.