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	FCC ID: PJMLRU3000 IC: 6633A-LRU3000 Date : 2019-09-13	

RF Exposure Compliance Requirement ID ISC.LRU3000-FCC

The maximum permissible exposure (MPE) for **general population** is defined as 0.6mW/cm² (*f* / 1500, FCC OET Bulletin 65, Supplement B). The distance from the transmitting antenna where the exposure level reaches the maximum permitted level is calculated using equation (1):

$$S = \frac{EIRP}{4 \cdot \pi \cdot R^2} \quad (1)$$

where: *S* = Power density 0.6mW/cm²
EIRP = Power output of an isotropic antenna 4W
R = Distance to the centre of the radiation of the antenna

Solving equation (1) the minimum distance at which a person must keep away in a uncontrolled exposure is

$$R = 23\text{cm}$$

The maximum permissible exposure (MPE) for **controlled exposure** is defined as 3mW/cm² (*f* / 300, FCC OET Bulletin 65, Supplement B). Solving equation (1) where *S* = 3mW/cm² the minimum distance at which a person must keep away in a uncontrolled exposure is

$$R = 10,3\text{cm}$$