

## RF Exposure

### UHF Antenna 1

Conducted output power (Max reading of all POP)	27.3 dBm		
Antenna Gain	8 dBi		
EIRP = Pmax + Ant Gain	35.3 dBm	3388.44 mW	

The limit for General Population/Uncontrolled Exposure is

$$S[\text{mW}/\text{cm}^2] = f[\text{MHz}]/1500 \quad \text{F} \quad 902 \text{ MHz}$$

$$S[\text{mW}/\text{cm}^2] = 0.601333 \text{ mW}/\text{cm}^2$$

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

$$R = \sqrt{\frac{EIRP}{4\pi S}}$$

$$R = 21.17568 \text{ cm}$$