



## RF EXPOSURE INFORMATION

**Model: HHSR**  
**FCC ID: EO9HHSRISM**  
**IC ID: 864A-HHSRISM**

### General Information

Applicant: Itron, Inc.  
Device Category: Mobile  
Environment: General / Uncontrolled Exposure

### Technical Information

Antenna Type: Omni  
Antenna Gain: 2 dBi  
Transmitter Conducted Power: 535 nW  
Frequency: 915 MHz  
Exposure Conditions: 20 centimeters  
Limit:  $f / 1500 = 0.61 \text{ mW/cm}^2$

### MPE Calculation

$$\text{Power Density: } P_d = (\text{mW/cm}^2) = \frac{P \times G}{4 \times \pi \times R^2}$$

$$P = 535 \text{ nW}$$

$$G = 2 \text{ dBi} = 1.59$$

$$R = 20 \text{ cm}$$

$$P_d = 0.000000169 \text{ mW/cm}^2 \text{ (minimum safe distance is 0.0105 cm).}$$

### Use Guidelines

The installation manual contains the following text about compliance with the FCC RF exposure requirements:

#### ***RF EXPOSURE***

*To comply with FCC requirements, maintain a separation distance of at least 20 cm between the antenna and all persons.*

### Conclusion

When operated per the manufacturer's instructions, this device complies with the MPE requirements by providing adequate separation between the radiating structure of the device and the general / uncontrolled population.