



## RF Exposure Information – MAS Transmitter

Model: DCU-5310  
FCC ID: EO9DCU5310  
IC ID: 864A-DCU5310

### General Information

Applicant: Itron, Inc.  
Device Category: Mobile  
Environment: Occupational / Controlled Population

### Technical Information

Antenna Type: Omni  
Antenna Gain: 5 dBi  
Transmitter Conducted Power: 6.516 W  
Max Frequency: 960 MHz  
Limit:  $f / 300 = 3.2 \text{ mW/cm}^2$

### MPE Calculation

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

$P = 6,516 \text{ mW}$

$G = 5 \text{ dBi} = 3.16$

Solving for r: The minimum safe distance to meet the limit is 22.63 cm, which is less than the 40cm minimum distance that is specified in the users manual.

### 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 40 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 Occupational / Controlled Population.