Telematics Wireless Ltd. FCC ID:NTAWB2

Exposure limit according to §15.247(i) and §1.1307

The device is classified as mobile.

Limit for power density for general population/uncontrolled exposure is f/1500 mW/cm² for 300 – 1500 MHz frequency range:

 $P = 902/1500 = 0.6 \text{ mW/cm}^2$

The power density P (mW/cm²) = P_T / 4π r²

 P_{T} is the transmitted power, which is equal to the peak transmitter output power in FHSS mode 29.56 dBm plus maximum antenna gain 1 dBi, the maximum equivalent isotropically radiated power EIRP is

$$P_T = 29.56 \text{ dBm} + 1 \text{ dBi} = 30.56 \text{ dBm} = 1138 \text{ mW}.$$

The power density at 20 cm (minimum safe distance, required for mobile devices), calculated as follows:

1138 mW /
$$4\pi$$
 (20 cm)² = 0.22 mW/cm² < 0.6 mW/cm²

General public cannot be exposed to dangerous RF level.