Exposure limit according to §15.247(i)

The water meter is classified as a mobile device.

The FCC limit for power density for general population/uncontrolled exposure is $f/1500 \text{ mW/cm}^2$ for 300 - 1500 MHz frequency range:

$$P = 902.3/1500 = 0.601 \text{ mW/cm}^2$$

The power density $P (mW/cm^2) = P_T / 4\pi r^2$

P_T is the transmitted power, which is equal to the peak transmitter output power 20.28 dBm (in hybrid mode) plus maximum antenna gain 0 dBi, the maximum equivalent isotropically radiated power EIRP is

$$P_T = 20.28 \text{ dBm} + 0 \text{ dBi} = 20.28 \text{ dBm} = 107 \text{ mW}.$$

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

$$107 \text{ mW} / 4\pi (20 \text{ cm})^2 = 0.02 \text{ mW/cm}^2 << 0.601 \text{ mW/cm}^2$$

General public cannot be exposed to dangerous RF level.