Exposure limit according to §15.247(i)

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) = $P_T / 4\pi r^2$

 P_T is the transmitted power, which is equal to the peak transmitter output power in BPSK modulation mode 19.0 dBm plus maximum antenna gain 0 dBi, the maximum equivalent isotropically radiated power EIRP is

 $P_{T} = 19.0 \text{ dBm} + 0 \text{ dBi} = 19.0 \text{ dBm} = 79.4 \text{ mW}.$

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

79.4 mW / 4π (20 cm)² ≈ 0.016 mW/cm² < 0.6 mW/cm²

General public cannot be exposed to dangerous RF level.