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/cm^2 for 300 – 1500 MHz frequency range:

P = 902/1500 = 0.6 mW/cm^2

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

P_T is the transmitted power, equal to the peak transmitter output power 35.23 dBm plus maximum antenna gain 2 dBi, the maximum equivalent isotropically radiated power EIRP is

$$P_T = 35.23\ dBm + 2\ dBi = 37.23\ dBm = 5284\ mW$$

According to the manufacture's declaration, the duty cycle is 0.01%, hence, the equivalent averaged EIRP is:

$$P_T = 5284\ mW \times 0.0001 = 0.528\ mW$$

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

$$0.528\ mW / 4\pi\ (20\ cm)^2 \approx 0.0001\ mW/cm^2 < 0.6\ mW/cm^2$$

General public cannot be exposed to dangerous RF level.