Environmental evaluation and exposure limit according to FCC CFR 47part 1, §1.1307, §1.1310

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:

$P = 450/1500 = 0.3\ mW/cm^2$

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

P_T is the transmitted power, which is equal to the peak transmitter output power 13.37 dBm plus maximum antenna gain 6 dBi, the maximum equivalent isotropically radiated power EIRP is

P_T = 13.37 dBm + 6 dBi = 19.37 dBm = 86.5 mW, where

13.37 dBm is the EUT maximum output power on the splitter connector,
6 dBi – antenna gain.

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

$86.5\ mW / 4\pi\ (20\ cm)^2 \approx 0.02\ mW/cm^2 < 0.3\ mW/cm^2$

General public cannot be exposed to dangerous RF level.