Environmental evaluation and exposure limit according to FCC CFR 47 part1, §§1.1307, 1.310.

FCC §1.1310 limit of power density for general population/uncontrolled exposure is 1 mW/cm².

The power density calculation is $S = (Pt /4\pi\ r^2)$.

Where:

Pt - The transmitted power EIRP (mW)

r - The distance from the unit. (cm)

The limit 1mW/cm^2 can be calculated from the above based on the following data:

Pt- the transmitted maximum EIRP power = 17.3 dBm = 53.7 mW.

Maximum allowed distance "r", where RF exposure limits may not be exceeded = SQRT(53.7/4π) and is more than 2 cm from the tested unit.

Peak power density for distance 20 cm is: Pt/4πr² = 53.7 mW/4π*0.2² = 0.011 mW/cm². That is less than 1 mW/cm² power density limit.