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

The calculation was done for required safe distance.

Limit for power density for general population/uncontrolled exposure is f/1500 mW/cm^2 for 300-1500 MHz frequency range:

$$P = 787/1500 = 0.525\ mW/cm^2$$

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

P_T is the maximum equivalent isotropically radiated power (EIRP).
The peak output power of 28.22 dBm with 14 dBi antenna gain corresponds to the equivalent isotropically radiated power (EIRP) of

28.22 dBm + 14 dBi = 42.22 dBm, which is equal to 16672 mW.

The minimum safe distance “r”, where RF exposure does not exceed FCC permissible limit, is

$$r = \text{sqrt}\ \{ P_T / (P \times 4\pi)\} = \text{sqrt}\ \{16672 / 0.525 \times 12.56\} = 50\ cm << 2\ m\ .$$