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

Limit for power density for general population/uncontrolled exposure is 1 mW/cm^2 for 1500 -100000 MHz frequency range:
The power density **P (mW/cm^2) = P_T / 4π r^2**, where
P_T is the maximum equivalent isotropically radiated power (EIRP).

To confirm compliance with a safe distance for base station fixed unit the following calculation was done:

The peak output power of 26.3 dBm with 16 dBi antenna gain corresponds to the equivalent isotropically radiated power (EIRP) of

26.3 dBm + 16 dBi = 42.3 dBm, which is equal to 16982 mW.

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

$$r = \text{sqrt}\{ P_T / (P \times 4\pi)\} = \text{sqrt}\{16982 / 12.56\} \approx 37 \text{ cm} << 2 \text{ m} .$$

General public cannot be exposed to dangerous RF level.