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

The calculation was completed to confirm the required safe distance for fixed device.

Based on the calculated r in 1) below, General public cannot be exposed to harmful RF level in the case of a fixed device is located at least 0.5 m safe distance from the persons.

Limit for Maximum Permissible Exposure (MPE) to radiofrequency electromagnetic fields for general population/uncontrolled exposure is 1.0 mW/cm^2 (**P**) for 1,500 - 100,000 MHz frequency range:

The power density **P (mW/cm^2) = PT / 4πr^2**, where PT is the maximum equivalent isotropically radiated power (EIRP).

1) The peak output power of 22.97 dBm with 22 dBi total antenna gain (please refer to Test A.1/A.2 of the test report 2209ERM.002A6)

   PT = 22.97 dBm + 22.00 dBi = 44.97 dBm, which is equal to 31,406 mW

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

   r = sqrt {PT / (Px4π)} = sqrt {31406 / 12.56} = 50 cm