Airspan Networks Inc. FCC ID:PIDASMAX1400

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

The transceiver is classified as fixed, the calculation was done to check a safe distance.

Limit for power density for general population/uncontrolled exposure is f/1500 mW/cm² for 300 – 1500 MHz frequency range:

 $P = 1392.5/1500 = 0.928 \text{ mW/cm}^2$

The maximum equivalent isotropically radiated power EIRP is

 $P_T=26.18~dBm + 10~dBi = 36.18~dBm = 4149.5~mW, where 26.18~dBm is the EUT maximum output power, \\10~dBi - antenna gain.$

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

 $r = sqrt \{ PT / (Px4\pi) \} = sqrt \{ 4149.5 / (0.928 x12.56) \} = 18.9 cm << 2 m.$

General public cannot be exposed to dangerous RF level.