

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

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

Limit for power density for general population/uncontrolled exposure is  $1 \text{ mW/cm}^2$  for 1500 -100000 MHz frequency range:

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

$P_T$  is the maximum equivalent isotropically radiated power (EIRP), measured value is 42.32 dBm. which is equal to 17061 mW.

The minimum safe distance "r" for general population/uncontrolled exposure, where RF exposure does not exceed FCC permissible limit, is

$$r = \sqrt{P_T / (P \times 4\pi)} = \sqrt{17061 / 12.56} = 37 \text{ cm.}$$

The information note about safe distance shall be provided in the User Manual.