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

FCC ID: 2ACYESK-MH60TG-A1

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

Limit for power density for general population/uncontrolled exposure is 1 mW/cm<sup>2</sup> for 1500 -100000 MHz frequency range:

Limit for power density for occupational exposure is 5 mW/cm<sup>2</sup> for 1500 -100000 MHz frequency range.

The power density **P** (mW/cm<sup>2</sup>) =  $P_T / 4\pi r^2$ , where

 $P_T$  is the maximum equivalent isotropically radiated power (EIRP), measured value is 40.46 dBm. which is equal to 11117 mW.

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

$$r = sqrt \{ PT / (Px4\pi) \} = sqrt \{ 11117 / 12.56 \} = 29.75 cm.$$

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

$$r = sqrt \{ PT / (Px4\pi) \} = sqrt \{ 11117 / 5 x 12.56 \} = 13.3 cm.$$

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