

**Exposure limit according to §15.247(i)**

The device is classified as mobile.

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

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

$P_T$  is the transmitted power, which is equal to the peak transmitter output power 16 dBm plus maximum antenna gain -2 dBi, the maximum equivalent isotropically radiated power EIRP is

$$P_T = 16 \text{ dBm} - 2 \text{ dBi} = 14 \text{ dBm} = 25.1 \text{ mW.}$$

The power density at 20 cm (minimum safe distance, required for mobile devices), calculated as follows:

$$25.1 \text{ mW} / 4\pi (20 \text{ cm})^2 = 0.07 \text{ mW/cm}^2$$

General public cannot be exposed to dangerous RF level.