

**Environmental evaluation and exposure limit according to FCC CFR 47  
§15.247(b)(5) and §1.1307, §1.1310**

The subscriber unit is classified as mobile device.

Limit for power density for general population/uncontrolled exposure is  $1 \text{ mW/cm}^2$   
(for 1500 –100,000 MHz frequency range).

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

$P_T$  is the transmitted power, which is equal to the transmitter output power 23.9 dBm plus maximum antenna gain 11.5 dBi, the maximum equivalent isotropically radiated power EIRP is

$$P_T = 23.9 \text{ dBm} + 11.5 \text{ dBi} = 35.4 \text{ dBm} = 3467 \text{ mW}.$$

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

$$3467 \text{ mW} / 4\pi (20 \text{ cm})^2 = 0.69 \text{ mW/cm}^2 < 1 \text{ mW/cm}^2$$

was found below the limit.

Hence, no safety hazard exists for human being.