TriplePlus Ltd. FCC ID: 2AFOILOR

Exposure limit according to §15.247(i)

The device is classified as mobile.

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

 $P = 902/1500 = 0.6 \text{ mW/cm}^2$

The power density P (mW/cm²) = $P_T / 4\pi r^2$

 P_{T} is the transmitted power, which is equal to the peak transmitter output power 15.814 dBm plus maximum antenna gain 2 dBi, the maximum equivalent isotropically radiated power EIRP is

$$P_T = 15.814 \text{ dBm} + 2 \text{ dBi} = 17.814 \text{ dBm} = 60.45 \text{ mW}.$$

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

 $60.45 \text{ mW} / 4\pi (20 \text{ cm})^2 \approx 0.012 \text{ mW/cm}^2 < 0.6 \text{ mW/cm}^2$

General public cannot be exposed to dangerous RF level.