Visonic Ltd. FCC ID:WP3NEXTPG2

Exposure limit according to §15.247(i) and §1.1307

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:

 $P = 912.75/1500 = 0.61 \text{ mW/cm}^2$

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

 P_{T} is the transmitted power, which is equal to the peak transmitter output power 19.7 dBm plus maximum antenna gain -8 dBi, the maximum equivalent isotropically radiated power EIRP is

$$P_T = 19.7 dBm - 8 dBi = 11.7 dBm = 15 mW.$$

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

$$15 \text{ mW} / 4\pi (20 \text{ cm})^2 = 0.003 \text{ mW/cm}^2 << 0.61 \text{ mW/cm}^2$$

General public cannot be exposed to dangerous RF level.