Visonic Ltd. FCC ID:WP3MC309PG2

## Exposure limit according to §15.247(i)

The magnet contact is classified as a mobile device.

The FCC limit for power density for general population/uncontrolled exposure is f/1500 mW/cm<sup>2</sup> 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<sub>T</sub> is the transmitted power, which is equal to the peak transmitter output power 14.27 dBm plus maximum antenna gain 2 dBi, the maximum equivalent isotropically radiated power EIRP is

$$P_T = 14.27 \text{ dBm} + 2 \text{ dBi} = 16.27 \text{ dBm} = 42.4 \text{ mW}.$$

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

Compliance with FCC limit:  $42.4 \text{ mW} / 4\pi (20 \text{ cm})^2 = 0.008 \text{ mW/cm}^2 << 0.61 \text{ mW/cm}^2$ 

General public cannot be exposed to dangerous RF level.