## ST Engineering Telematics Wireless Ltd.

FCC ID:NTASQUNCR

## Exposure limit according to §15.247(i)

The device is classified as mobile.

Limit for power density for general population/uncontrolled exposure is  $f/1500 \text{ mW/cm}^2$  for 300 – 1500 MHz frequency range:

 $P = 903/1500 = 0.6 \text{ mW/cm}^2$ 

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

 $\mathsf{P}_{\mathsf{T}}$  is the transmitted power, which is equal to the peak transmitter output power 20.7 dBm plus maximum antenna gain 2.5 dBi, the maximum equivalent isotropically radiated power EIRP is

P<sub>T</sub> = 20.7 dBm + 2.5 dBi = 23.2 dBm = 209 mW.

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

 $209 \text{ mW} / 4\pi (20 \text{ cm})^2 = 0.04 \text{ mW/cm}^2 < 0.6 \text{ mW/cm}^2$ 

General public cannot be exposed to dangerous RF level.