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Federal Communication Commission
Authorization and Evaluation Division
7435 Oakland Mills Road
Columbia, MD 21046

Attention: Reviewing Engineer

The **Teletrac Prism TM2** is a GSM / GPRS Vehicle Tracking Unit.

Due to the construction and the position of the antenna a distance under normal operating conditions of more than 20 cm is guaranteed. Additionally the user manual states:

This information includes the following*: A minimum separation distance of 20 cm must be maintained between the antenna and the person for this device to satisfy the RF exposure requirements of the FCC.*

The maximum output power of the Burst 1928 mW (32.85 dBm).

Regarding MPE limits, GPUC environment limits maximum exposure to 1 $mW/cm^{2.}$

The power density is:

$S = E^2/3770 = -13\ H^2 =$ limit $< 1\ mW/cm^2$

Where: S = Power density ($mW/cm^{2)}$
E = electrical field strength (V/m)

This formula converted using the EIRP is

$P_{out} * G/4\pi * r^2$ mW/cm^2

$1928 / 4\pi * 400 = 0.38\ mW/cm^2$

Calculations are based on standard formula for calculating field strength at a distance and converting power density using free space impedance.

If you should have any questions regarding this submission, please feel free to contact the undersigned.

Yours truly,

Lothar Schmidt
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CETECOM Inc.