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

Attention: Reviewing Engineer

The **pocket PC** is a PDA **with a built in radio** using spread spectrum technique for portable applications for wireless connection to Laptop's printer's, other PDA's etc..

Due to the construction of the PDA the position of the antenna inside (it's placed on the top of the PDA) a distance under normal operating conditions of more than 1cm can be expected. Due to the low power of the handheld (less than 2 mW) the MPE limits can be guaranteed as the calculation below shows.

Maximum EIRP of the equipment = 1.3 dBm (0.00135W = 1.35mW); equivalent to 20.12 V/m in 1 cm distance

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

The power density is:

at 0.01 meters from an antenna	$S = E^2/3770 = -13\ H^2 =$ **$0.107 mW/cm^2$** $< 1\ mW/cm^2$

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

Calculations are based on standard formula for calculating field strength at a distance and converting power density using free space impedance.
Compliance is shown for the built in module, which incorporates the antenna on board of the module even for the distance of 5 cm. This is the distance given by the construction (distance between the module and the outer cover of the Printer.

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.