

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

Attention: Reviewing Engineer

The **Uniwill USB Bluetooth dongle** is external USB device using spread spectrum technique for PC applications for wireless connection to other Bluetooth enabled devices etc..

Due to the construction of the dongle and the position at a PC (it's connected to the USB board and the very low power) the distance to the body is at least 2.5 cm

This information includes the following: *A minimum separation distance of 2.5 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 allowed for the Bluetooth radio is 100 mW.

Maximum EIRP of the equipment = 2.44 dBm (0.00175 W); equivalent to 3.08 V/m in 10 cm distance

Regarding MPE limits, GPUC environment limits maximum exposure to 1 mW/cm²

The power density is:

at 2.5 centimeters from an antenna	$S = E^2 / 3770 = -13 \text{ H}^2 = \mathbf{0.0223 \text{ mW/cm}^2} < 1 \text{ mW/cm}^2$
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Where: S = Power density (mW/cm²)
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 2.5 cm. A statement is included in the manual.

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

Yours truly,



Lothar Schmidt
Technical Manager EMC/Radio
CETECOM Inc.