



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

**Attention: Reviewing Engineer**

The **Future internet Ltd. Co.** is a USB dongle using spread spectrum technique for use with a computer for wireless connection to other Bluetooth enabled devices etc..

Due to the construction of the dongle and the position at a computer the distance to the body is at least 2.5 cm

A warning statement in the users documentations will be placed.

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 = **2.94 dBm** (0.00197 W); equivalent to 9.75 V/m in 2.5 cm distance

Regarding MPE limits, GPUC environment limits maximum exposure to 1 mW/cm<sup>2</sup>

The power density is:

at 2.5 centimeters from an antenna	$S = E^2 / 3770 = -13 \text{ H}^2 = \mathbf{0.0252 \text{ mW/cm}^2} < 1 \text{ mW/cm}^2$
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Where: S = Power density (mW/cm<sup>2</sup>)  
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,

A handwritten signature in black ink, appearing to read 'Lothar Schmidt'.

Lothar Schmidt  
Technical Manager EMC/Radio  
CETECOM Inc.