

## **MiCard HID antenna**

Description of the MiCard HID Coupling device

Version no: 1.00

Stand: August 20, 2008

## **Coupling device**

The “antenna” of the device is not a real antenna. It is more or less a magnetic coupling device. For such a coupling device it makes no sense to define the antenna gain, because it is much too small to be a real antenna and the loss is too big. So if the antenna gain would have to be defined it would be far in the negative.

The coupling device is a circular, wound coil with a maximum diameter of 48 mm. It consists of 93 turns of self-bonding isolated copper wire with a diameter of 0.3 mm.

