

MiCard V2 HiTag antenna

Description of the MiCard V2 HiTag Coupling device

Version no: 1.00

Stand: May 28, 2009

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 rectangular, PCB coil with a maximum PCB size of 36.5 x 46.5 mm. It consists of 40 turns as shown in the next both pictures.

