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ELECTRONIC ANTENNA MODULE OPTIMISED FOR A CHIP CARD WITH A DUAL COMMUNICATION INTERFACE

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ABSTRACT

The invention relates to an electronic module (1) for a smart card, comprising a substrate (S) having on a first face a terminal block of electrical contacts (C1, C2, C3, C5, C6, C7) standardized according to ISO 7816. allowing
15 operation by contact with the corresponding contacts of a smart card reader, and comprising on a second face an antenna (2) and a microelectronic chip (12) protected by an encapsulation zone (5) and provided with a contact communication interface and a contactless communication interface, the antenna (2) comprising a plurality of turns situated on the periphery of the
20 module and a proximal connection pad and a distal connection pad (3) arranged at the inside the encapsulation zone (5) and intended to be connected to corresponding terminals of said contactless communication interface of the chip (2), and the turns of the antenna (2) comprising a localized recess (20), characterised in that the distal connection pad (3) is located a short distance d
25 from the edge (4) of the encapsulation zone (5), and in that the internal edges (8 ", 10") of the wells connection (8,10) of the two contacts closest to the distal connection pad (3) are spaced outward from the module relative to the internal edges of the connection wells of the other contacts.

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Figure for the Abstract : Figure 3