



PANINI S.p.A.  
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Oct. 12, 2023

To whom it may concern,

**Antenna Justification Letter**

**FCC ID: 2BCXDPN000001**

Hereby declares that our product integrates a RFID interface operating at 13.56 MHz and this RFID feature operates via a PCB antenna which is designed by Panini SpA.

Since the RFID module is only one part of our product and it was tested together the whole device to be compliance with FCC laws (radiated tests performed on whole device), antenna gain information is not required to be declared.

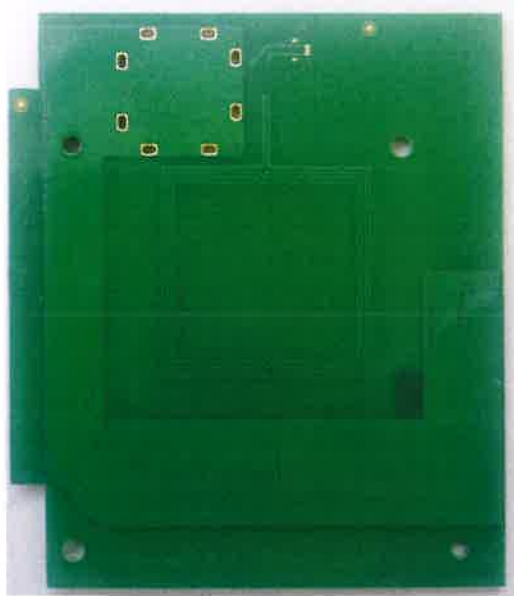
Sincerely,

Dema Monica  
CFO  
Panini SpA

A handwritten signature in blue ink, appearing to read "Dema Monica", written over the printed name and title.



## ANTENNA INFO



The antenna is made of a spiral loop (single loop antenna) and permanently connected to the 13.56MHz NFC controller through a PCB trace.

Antenna construction parameters are described here

Description	Value	Unit
size	40x40	mm
# turns	4	-
Copper width	0.4	mm
Spacing	0.3	mm
Copper height	35	μm
PCB thickness	1.6	mm