

Photo report internal components

Anti-Pilferage System operating in the bands 125kHz, 7-8MHz and 902-928MHz

Brand: Nedap

Model: ASSY AD46R RF+MD+RFID

Author	RH
Date	17 September 2017
Status	final

N.V. Nederlandsche Apparatenfabriek "Nedap"

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7141 DC Groenlo
The Netherlands

Description of EUT

Description of EUT	Anti-Pilferage System operating in the bands 125kHz, 7-8MHz and 902-928MHz
Manufacturer	Nedap N.V.
Brand	Nedap
Commercial name	Hybrid Lumen iL45
Model	ASSY AD46R RF+MD+RFID
FCC ID	CGDADRRFMDRFID
IC	1444A-ADRRFMDRFID
Type of service	New Application

Applicant Information

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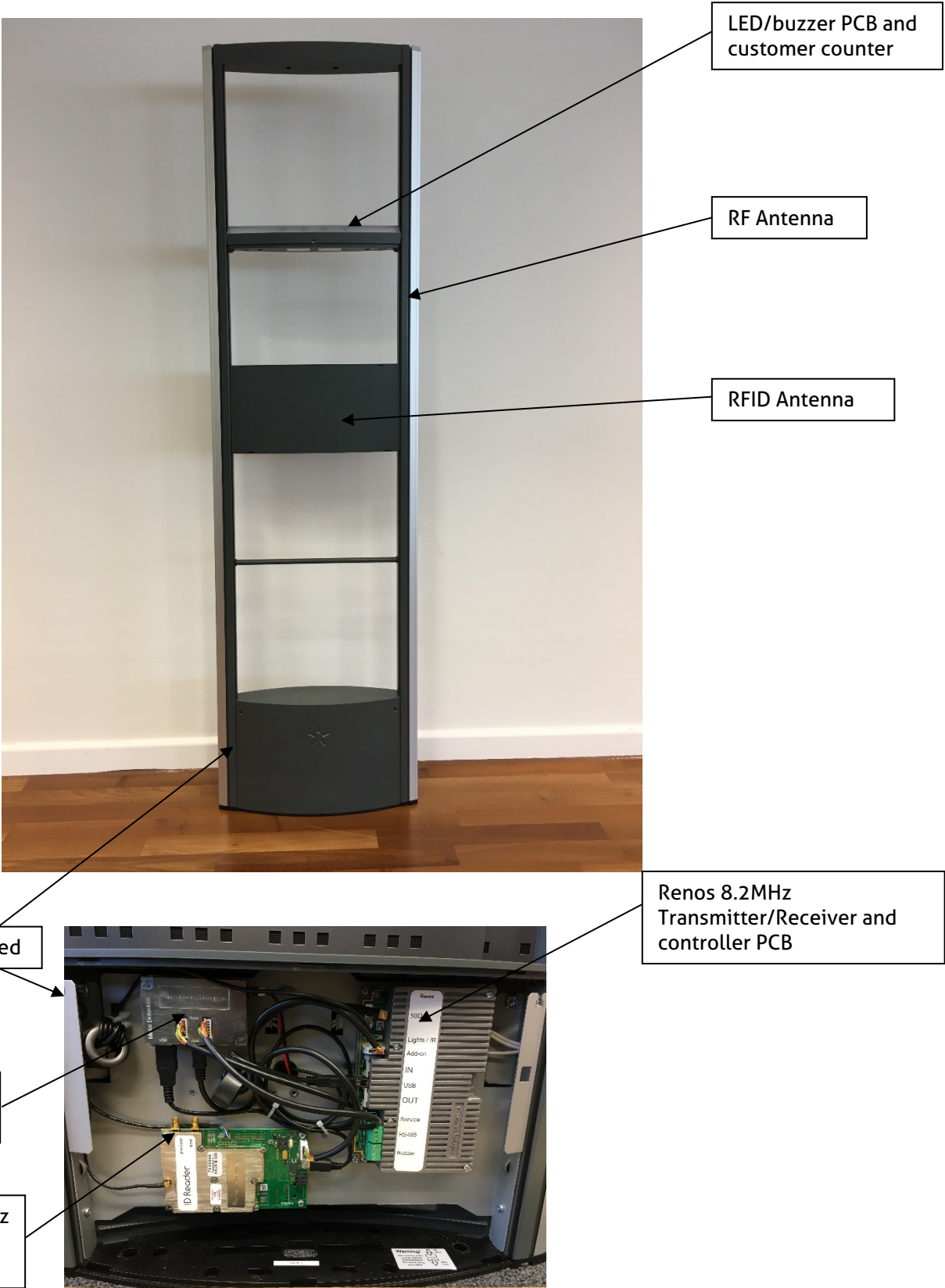
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1. Overview AD46R RF+MD+RFID



2. Internal photo overview

2.1. Front view



2.2. Back view



Cover removed



Antenna matching PCB

2.3. LED/buzzer and customer counter top view



Transparent cover installed

2.4. LED/buzzer and customer counter top cover removed



Transparent white cover removed

2.5. LED/buzzer and customer counter top reflector removed



3. Renos transmitter/receiver and controller PCB

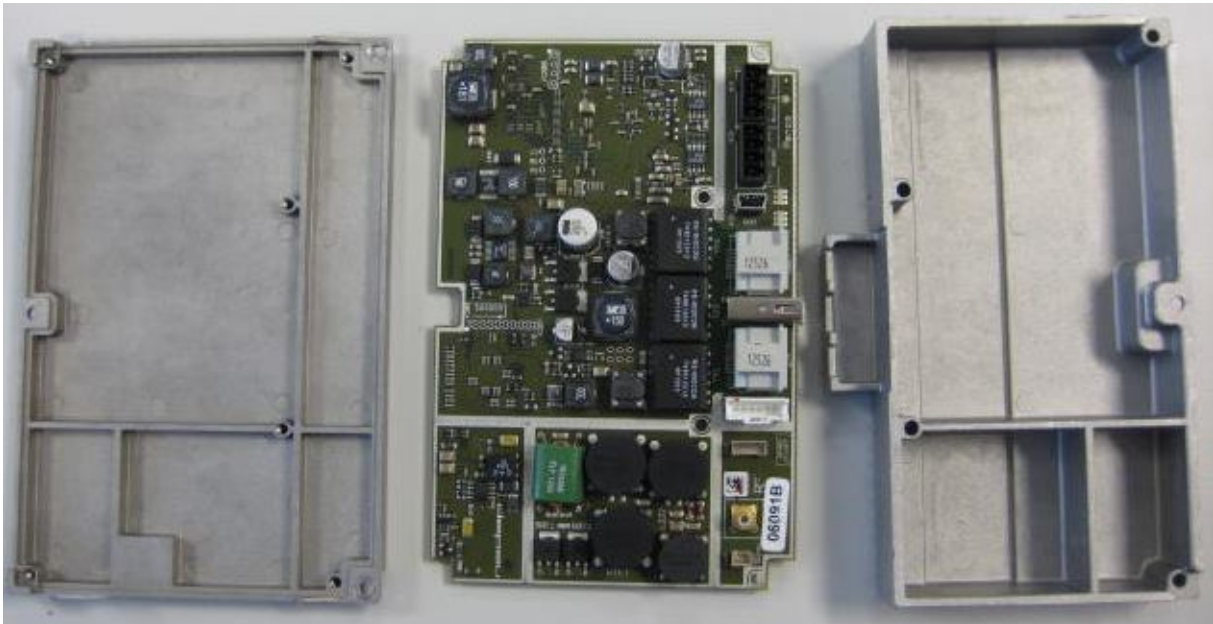
3.1. Complete top view with metal covers



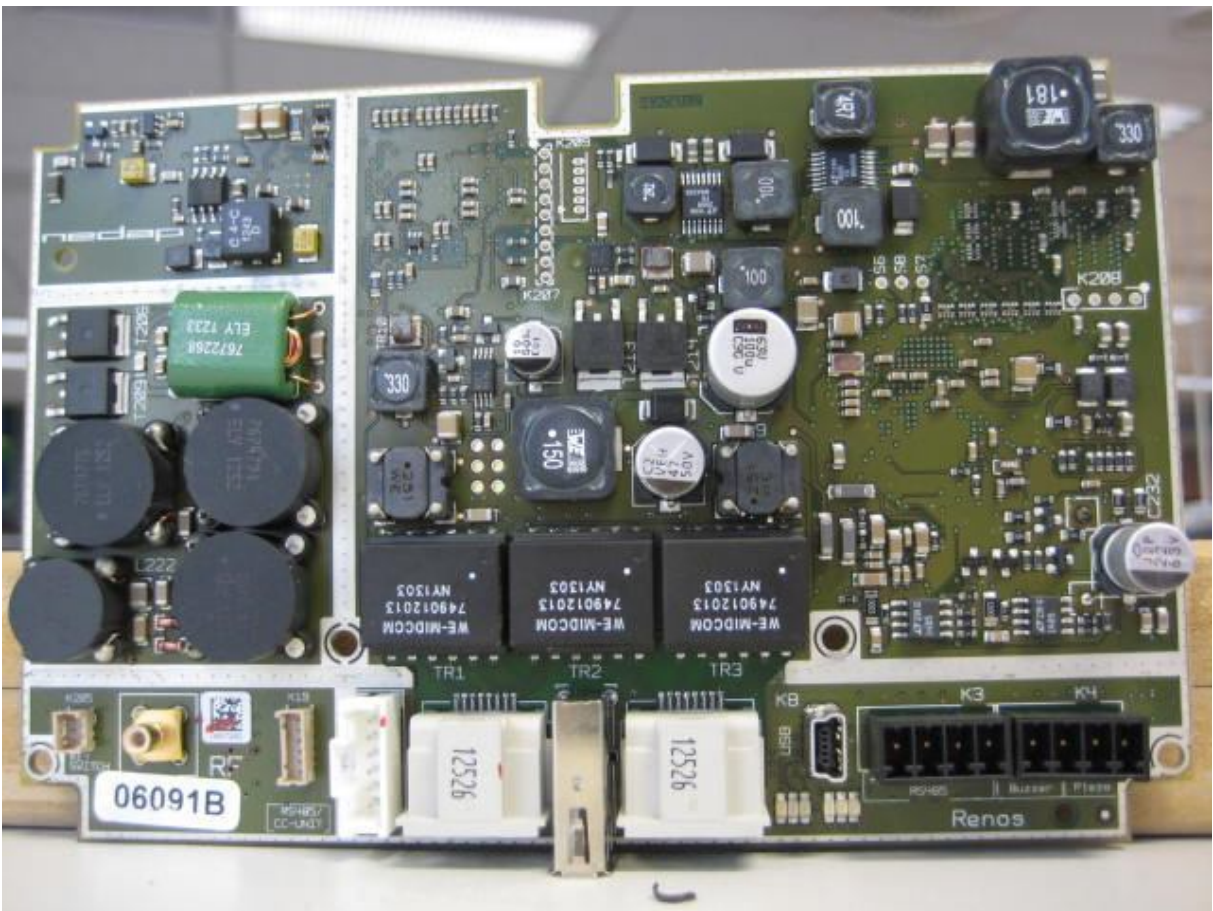
3.2. Back view with metal covers



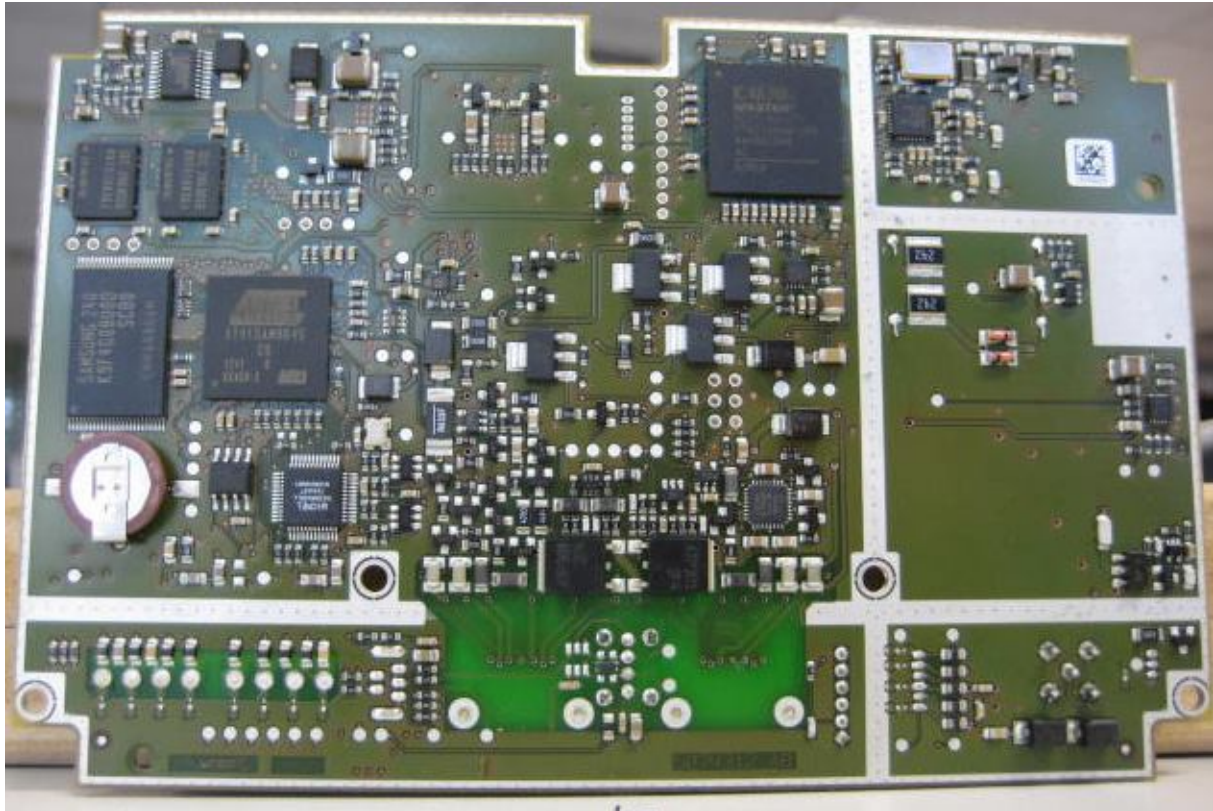
3.3. Renos with covers removed



3.4. Renos front side PCB

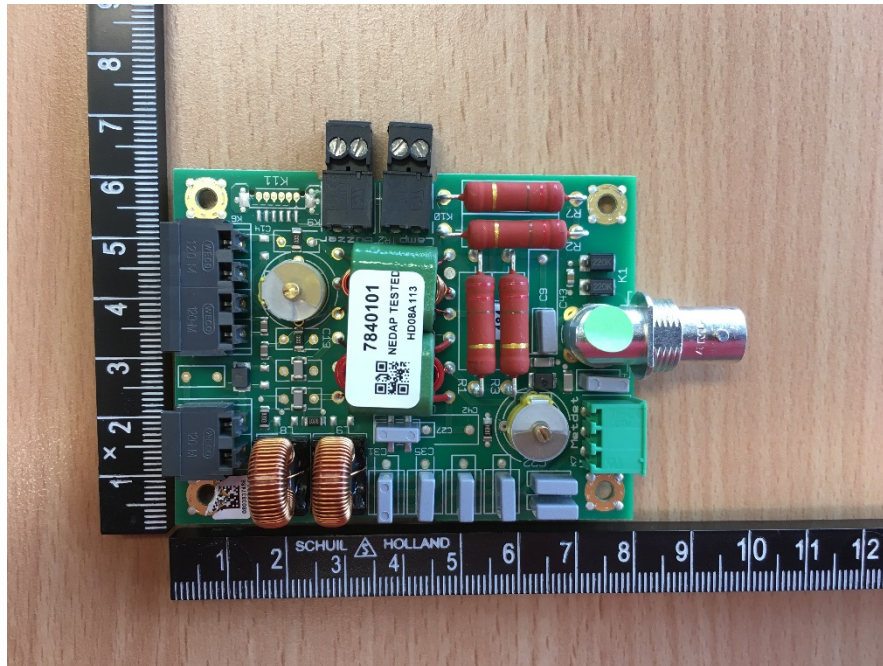


3.5. Renos back side PCB

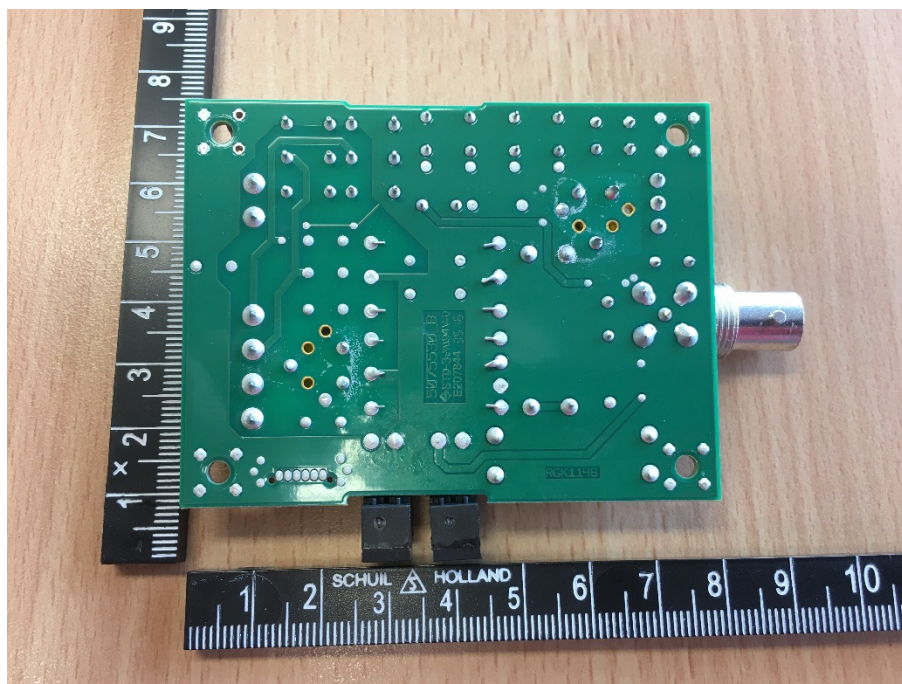


4. Antenna matching PCB

4.1. Front view

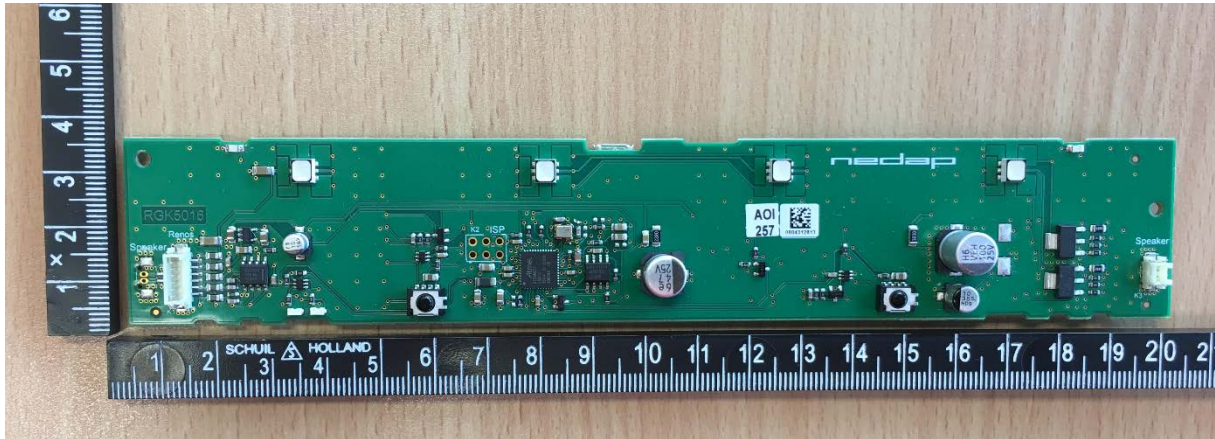


4.2. Back view

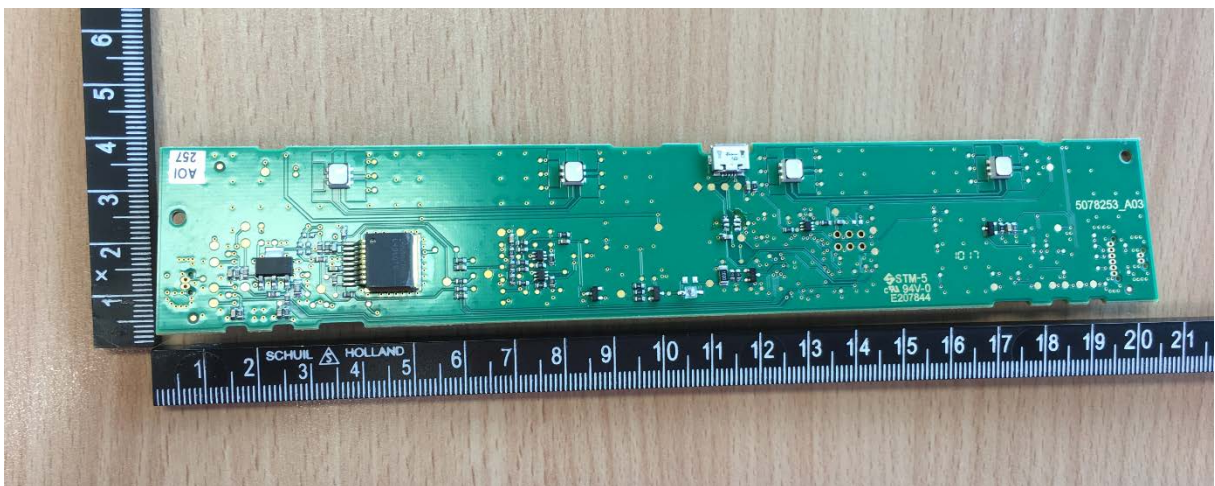


5. LED/buzzer and customer counter PCB

5.1. Front view



5.2. Back view

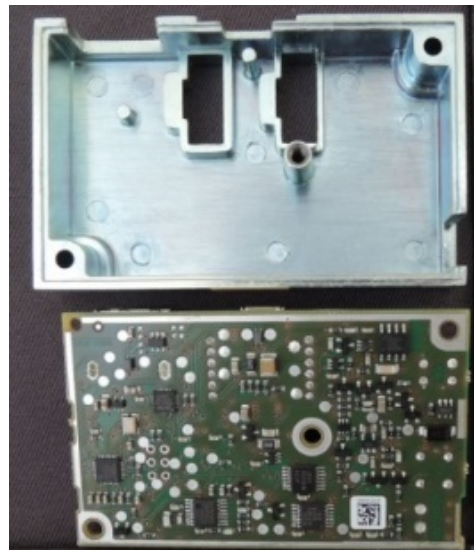


6. Metal detector

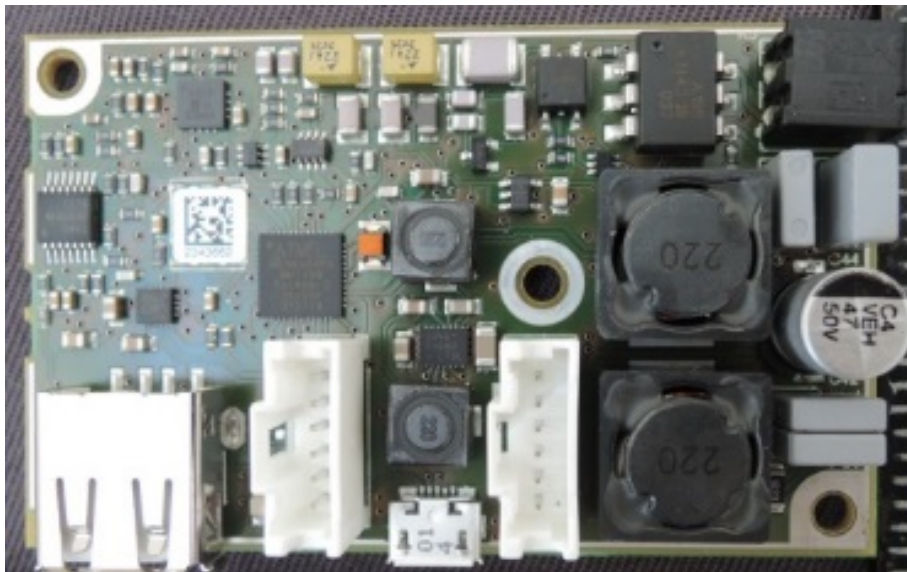
6.1. Total view with metal covers



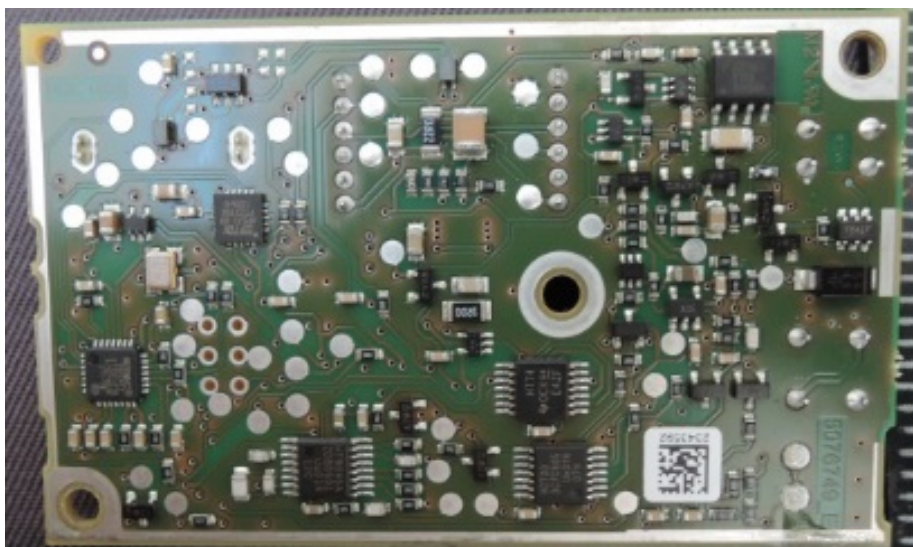
6.2. Metal detector with covers removed



6.3. Metal detector front view PCB



6.4. Metal detector back view PCB

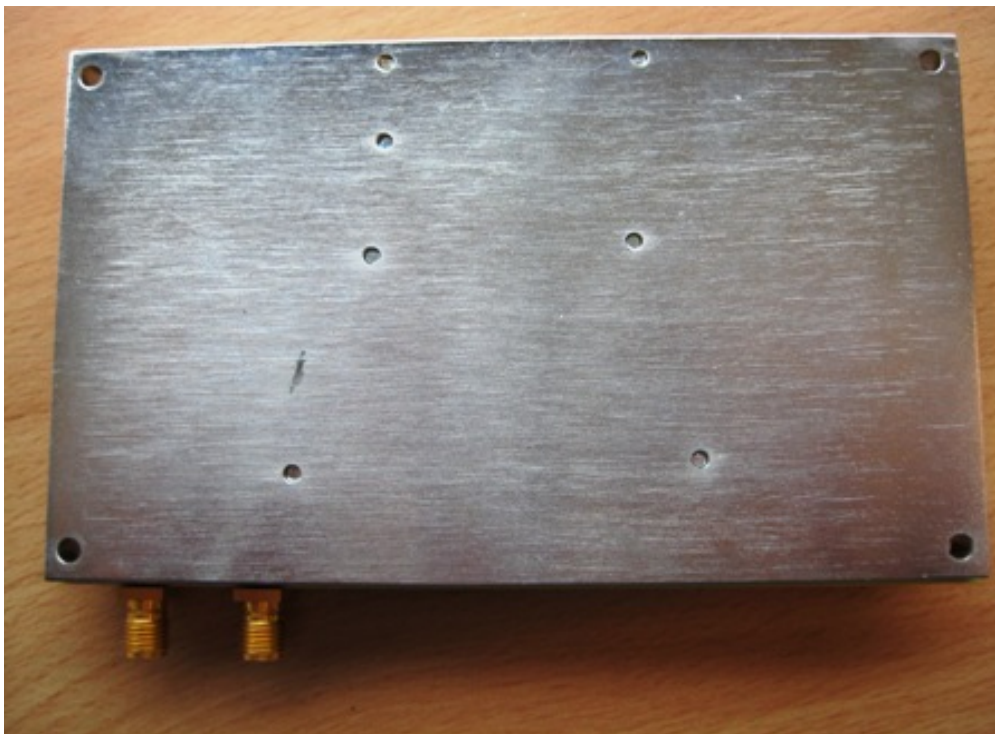


7. RFID 902-928MHz transmitter/Receiver

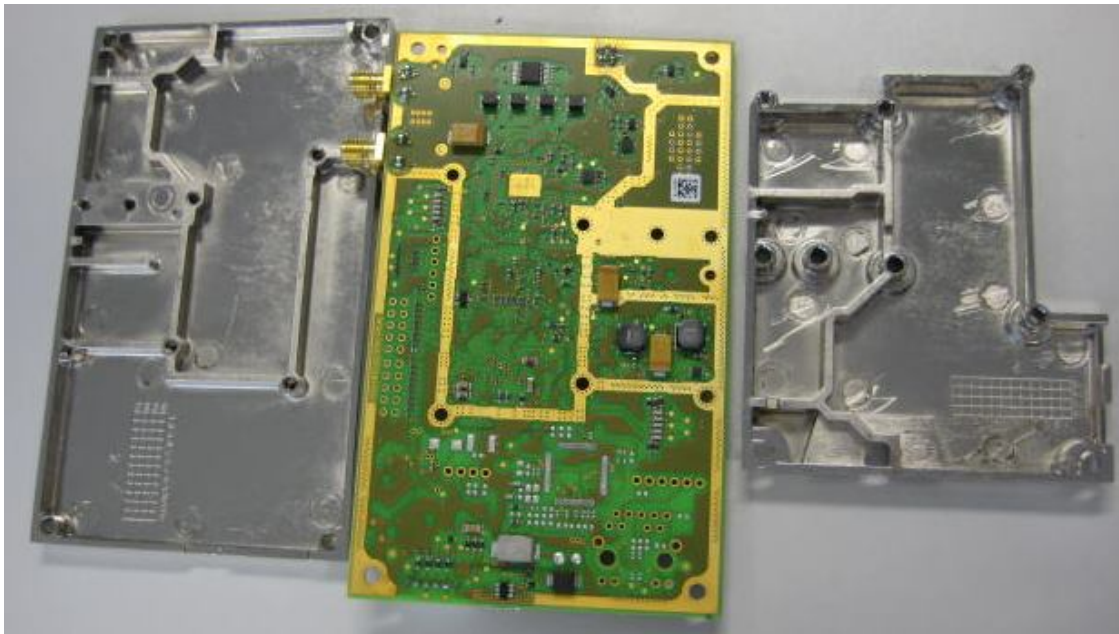
7.1. Front side with metal cover



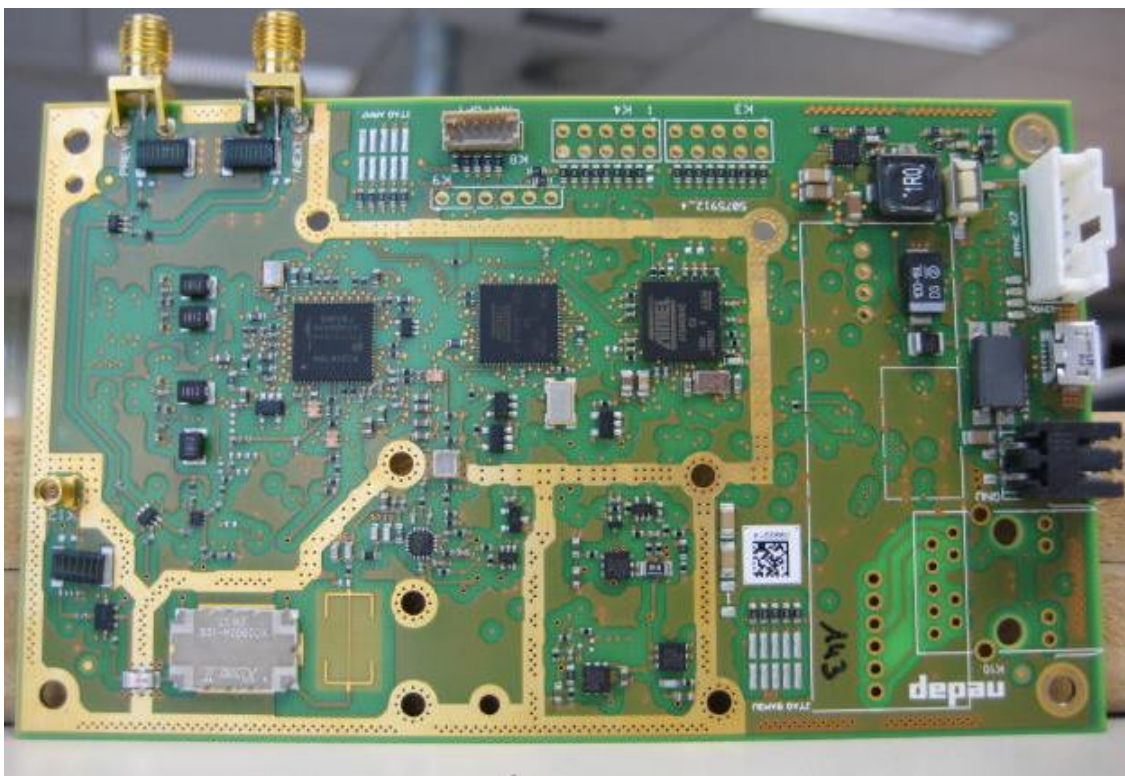
7.2. Backside with metal cover



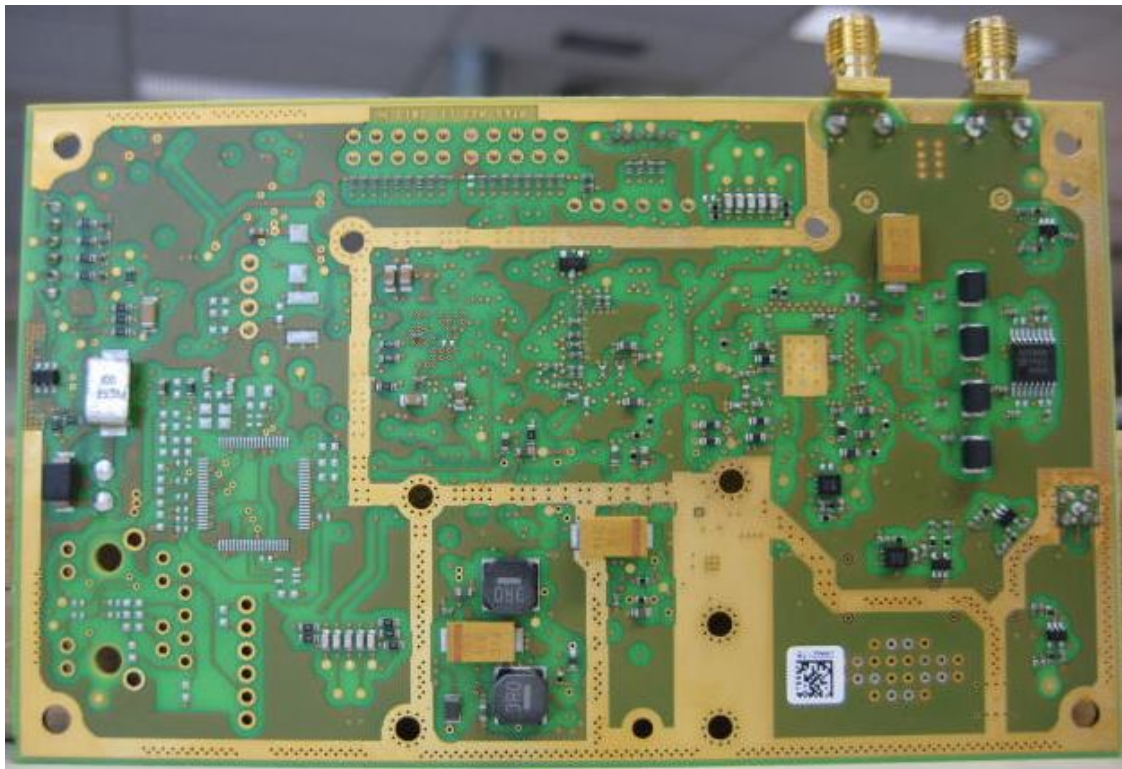
7.3. ID reader covers removed



7.4. PCB Front side



7.5. PCB Back side



8. Antenna information 902-928 MHz part

8.1. Front side antennae



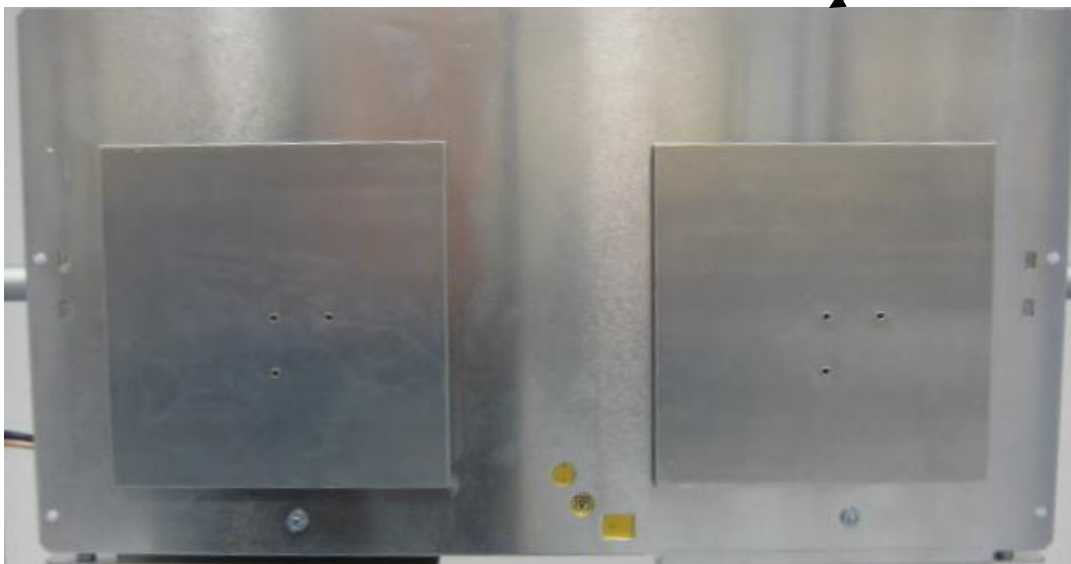
Cover removed



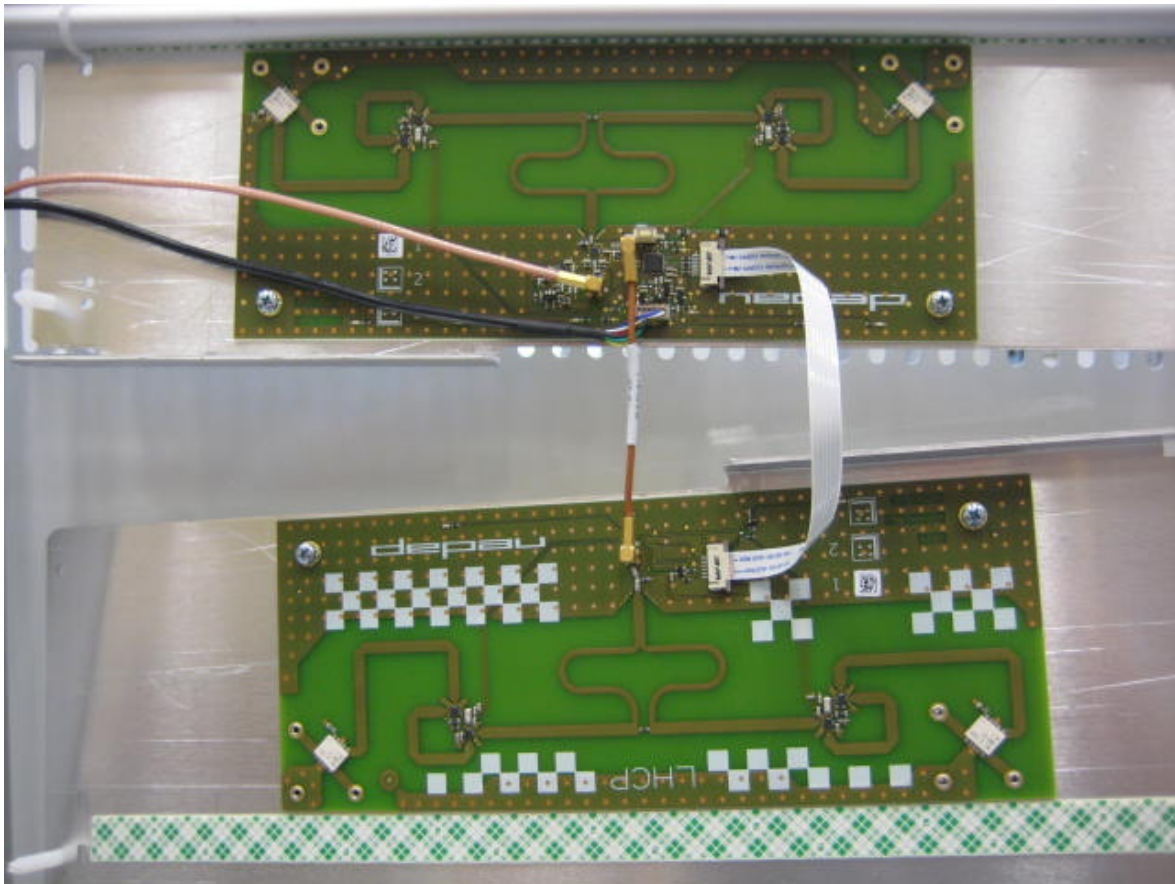
8.2. Backside antennae



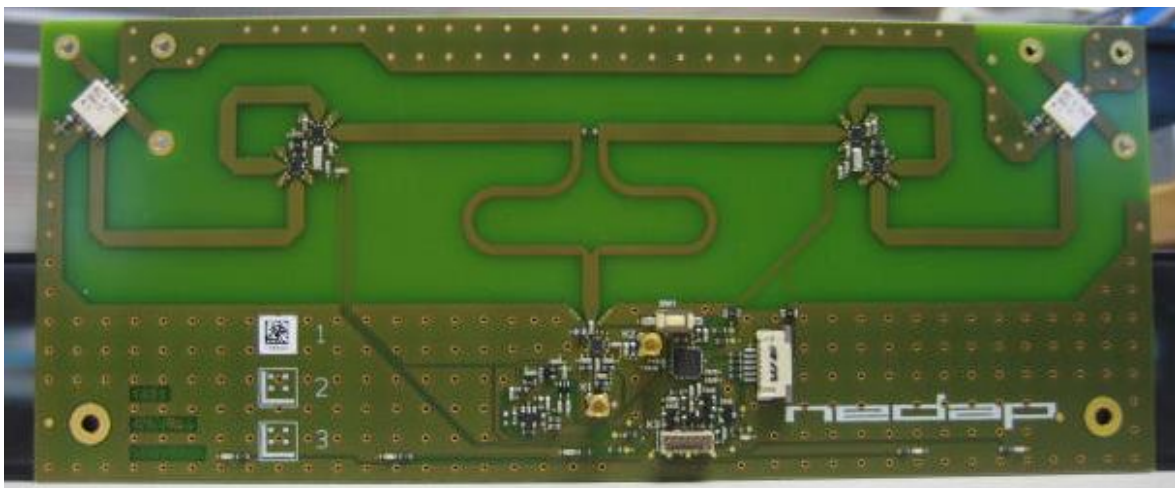
Cover removed



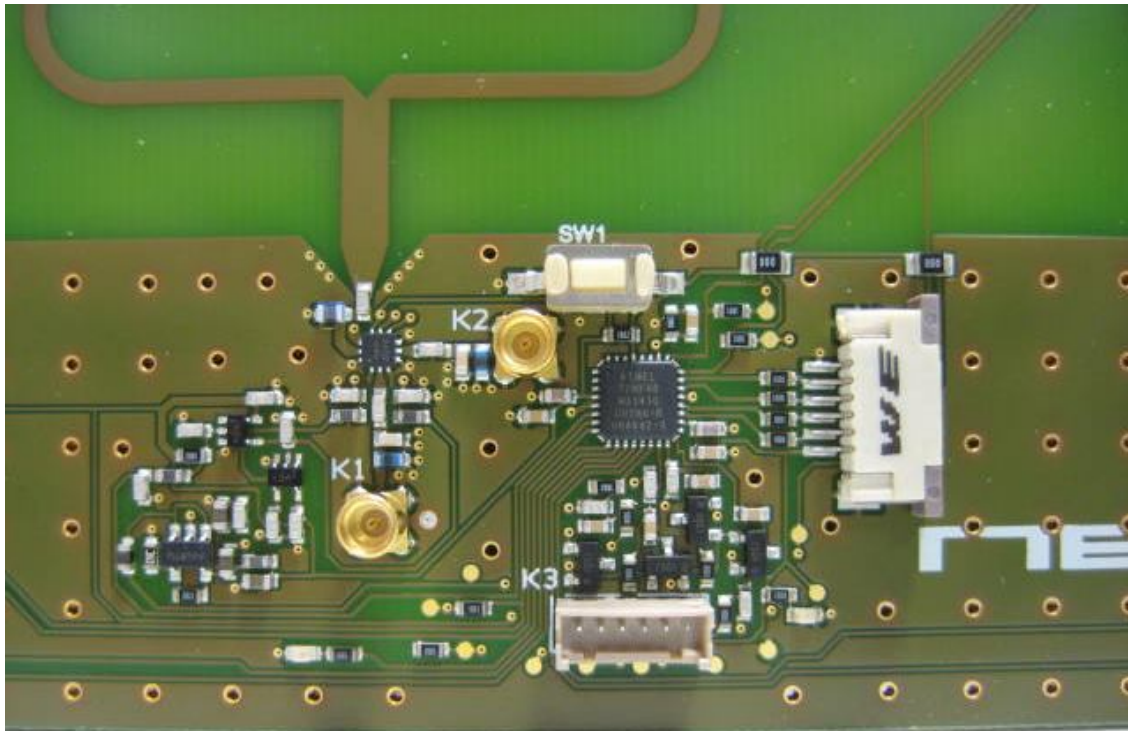
8.3. Antenna Printed Circuit Boards



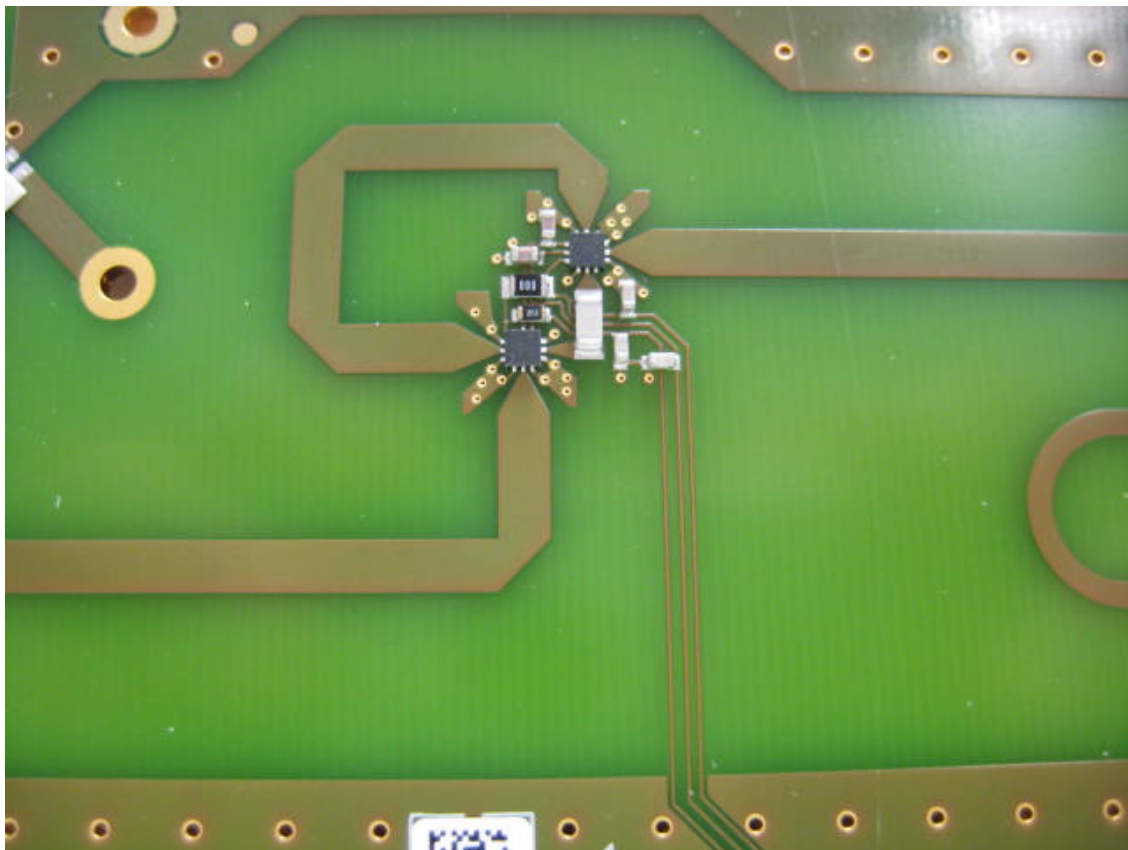
8.3.1. Antenna PCB RHCP



Overview

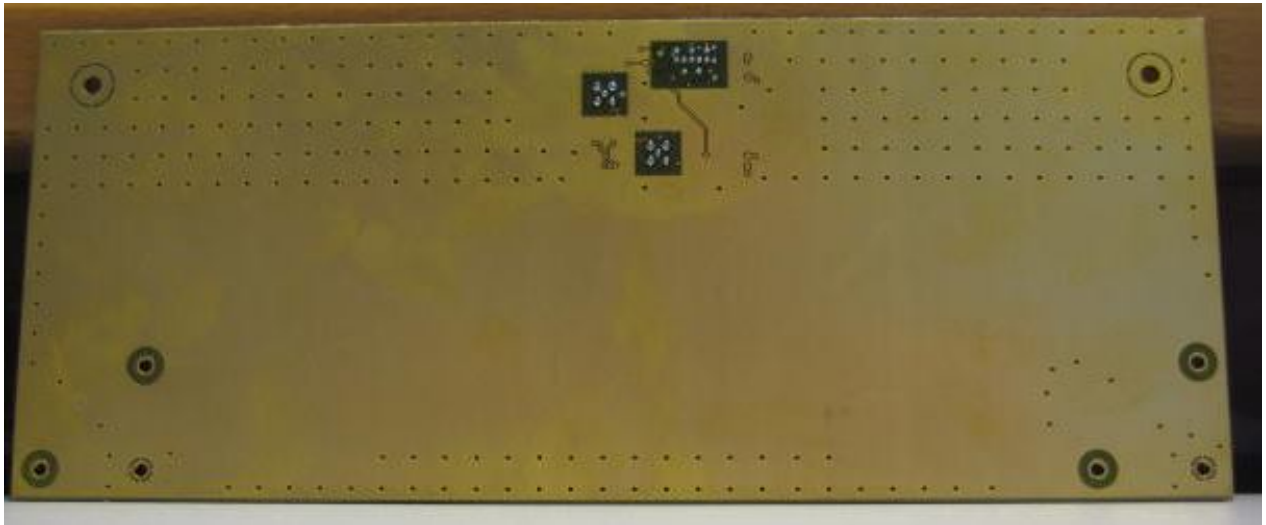


Detail1

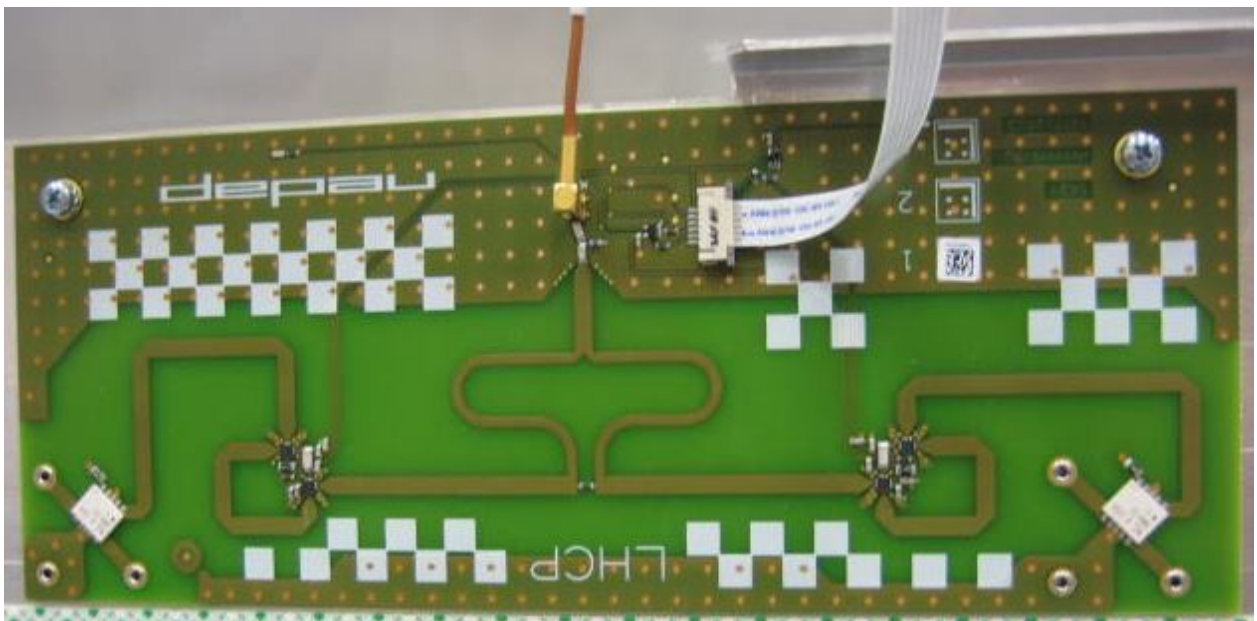


Detail 2

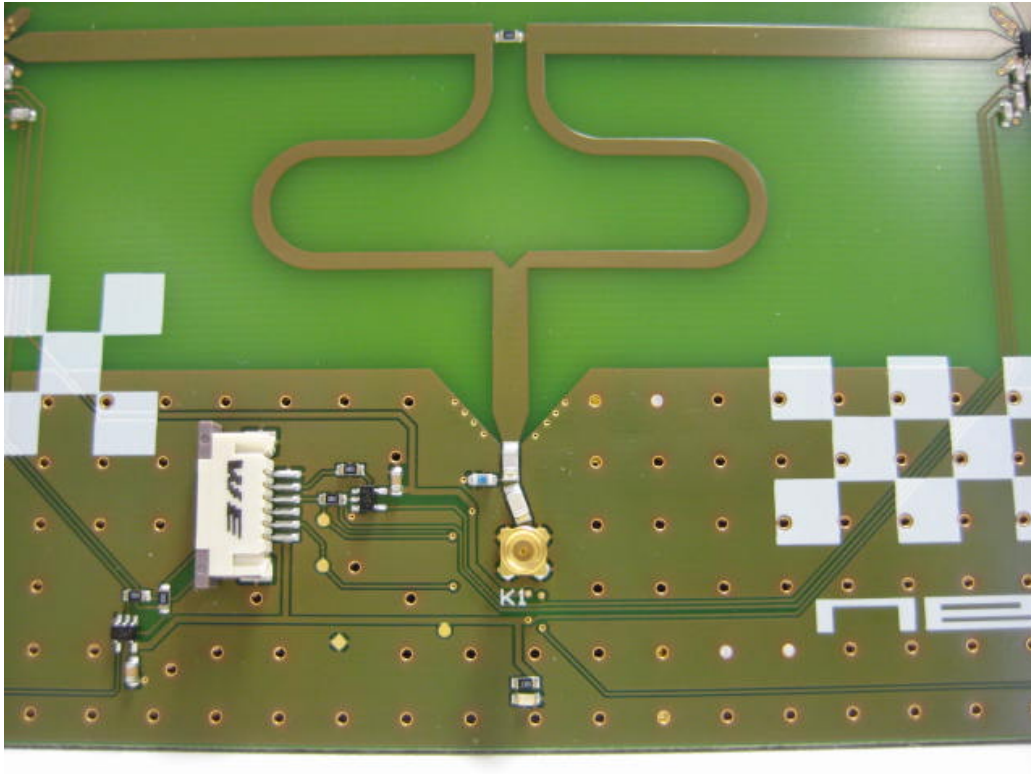
8.3.2. Back side



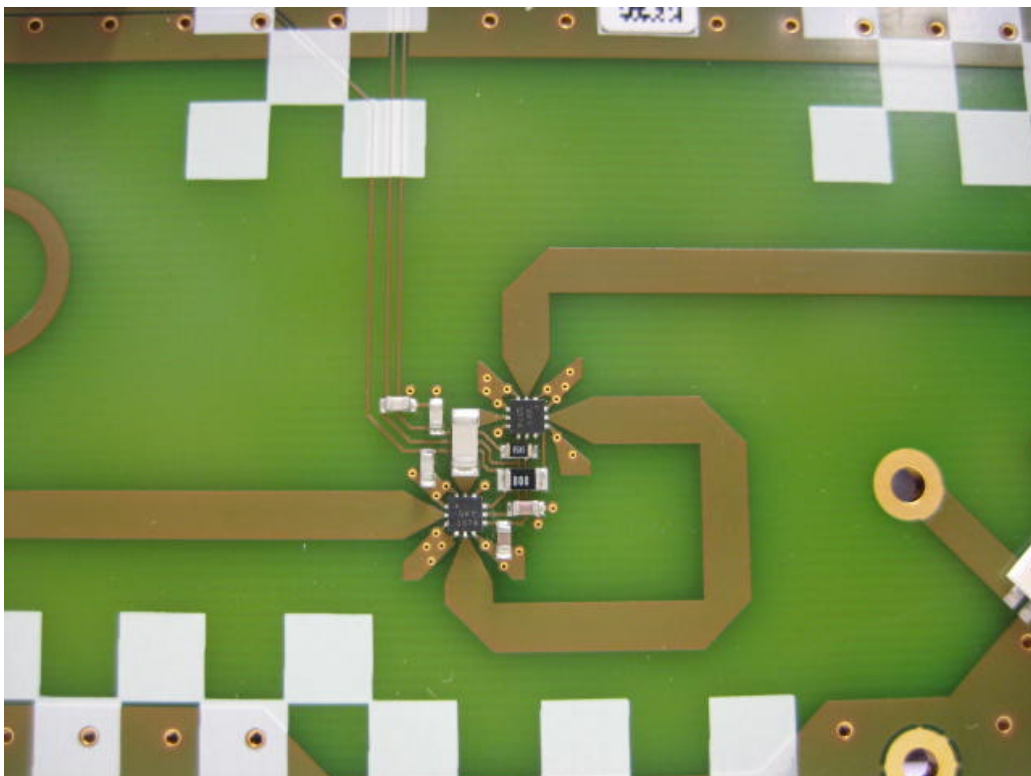
8.3.3. Antenna PCB LHCP



Overview



Detail1



Detail2

8.3.4. Back side

