

Photo report internal components

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

Brand: Nedap

Models: ASSY T325R RF+RFID

Author	RH
Date	25 September 2018
Status	final

N.V. Nederlandsche Apparatenfabriek "Nedap"

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The Netherlands

Description of EUT

Description of EUT	Anti-Pilferage System operating in the bands 7-8MHz and 902-928MHz
Manufacturer	Nedap N.V.
Brand	Nedap
Commercial name	Lumen iL33
Model	ASSY T325R RF+RFID
Type of service	New Application

Applicant Information

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1. Overview T325R RF all models



2. Internal photo overview

2.1. Front view



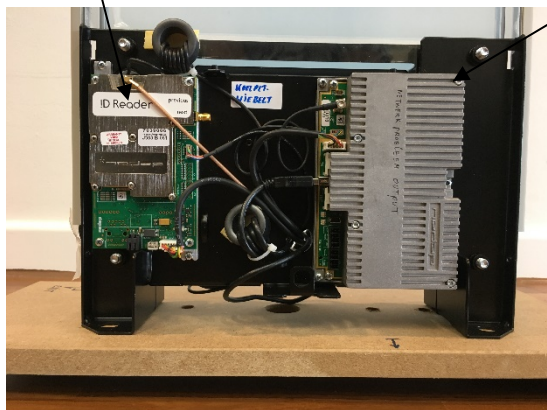
LED/buzzer PCB and
customer counter

7-8MHz Antenna

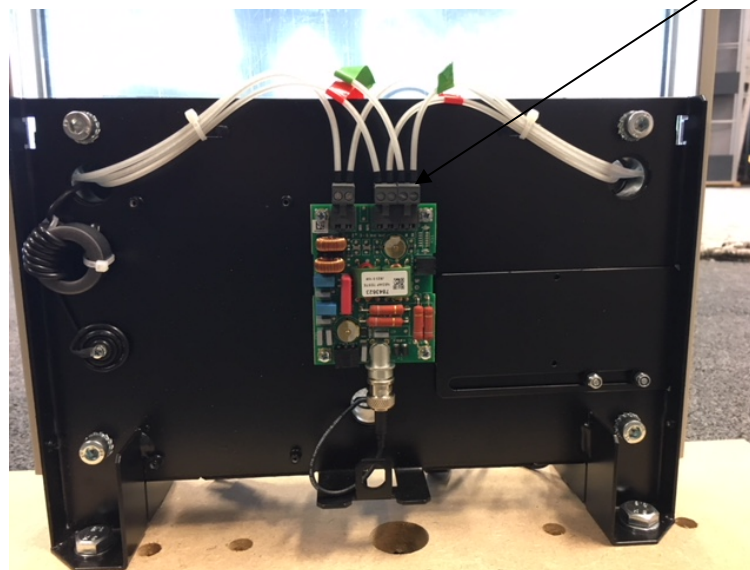
902-928MHz UHF
RFID Antenna

902-928MHz RFID
tranceiver

Renos 8.2MHz
Transmitter/Receiver and
controller PCB



2.2. Back view



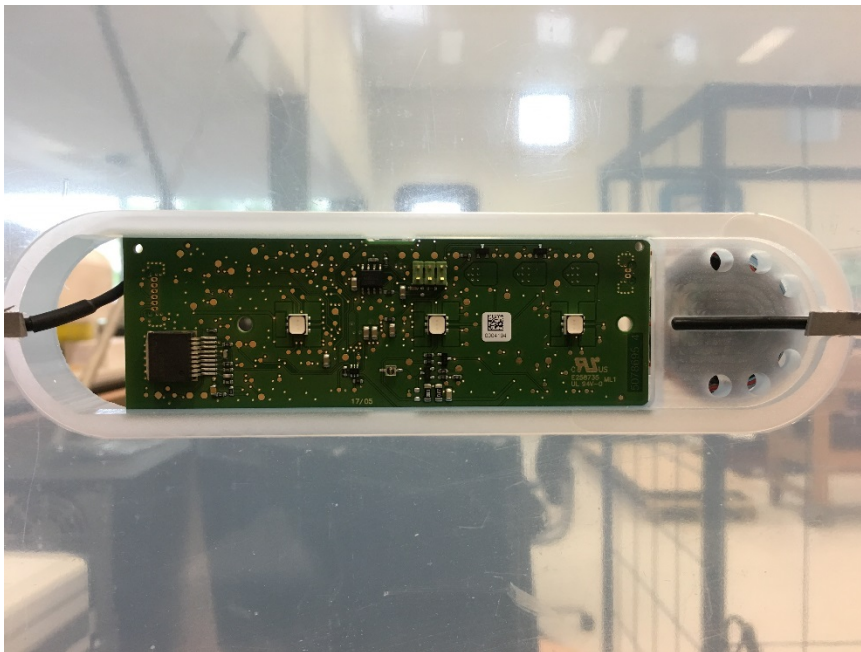
RF Antenna matching
PCB

2.3. LED/buzzer and customer counter front side



Transparent white cover removed

2.4. LED/buzzer and customer counter back side



Transparent white cover removed

3. Renos transmitter/receiver and controller PCB

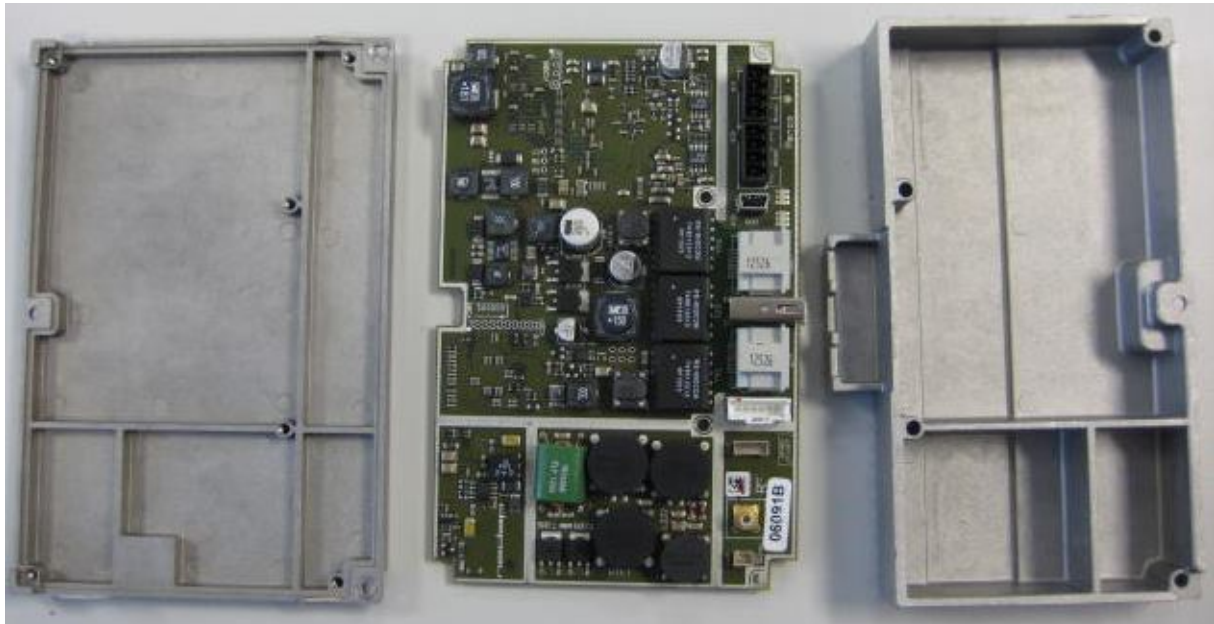
3.1. Complete top view with metal covers



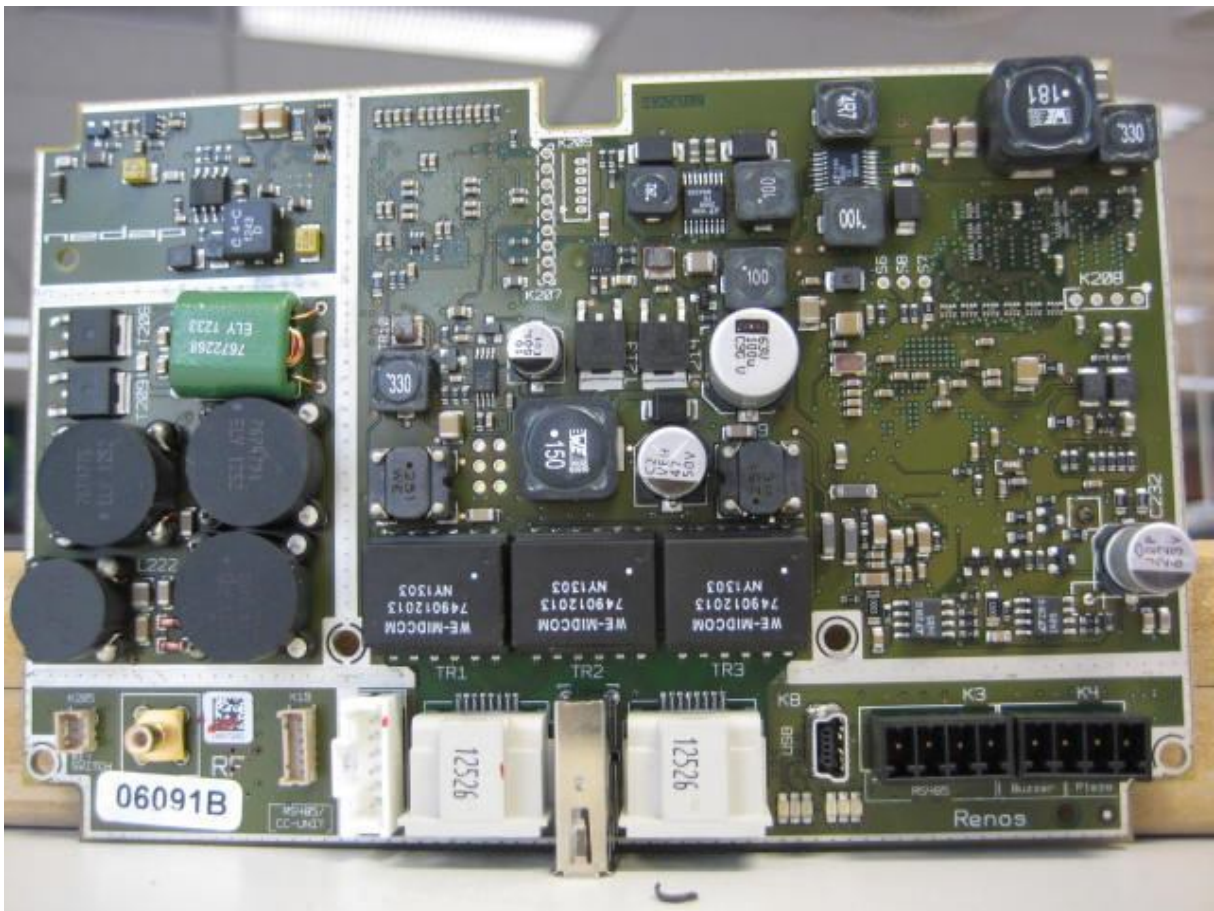
3.2. Back view with metal covers



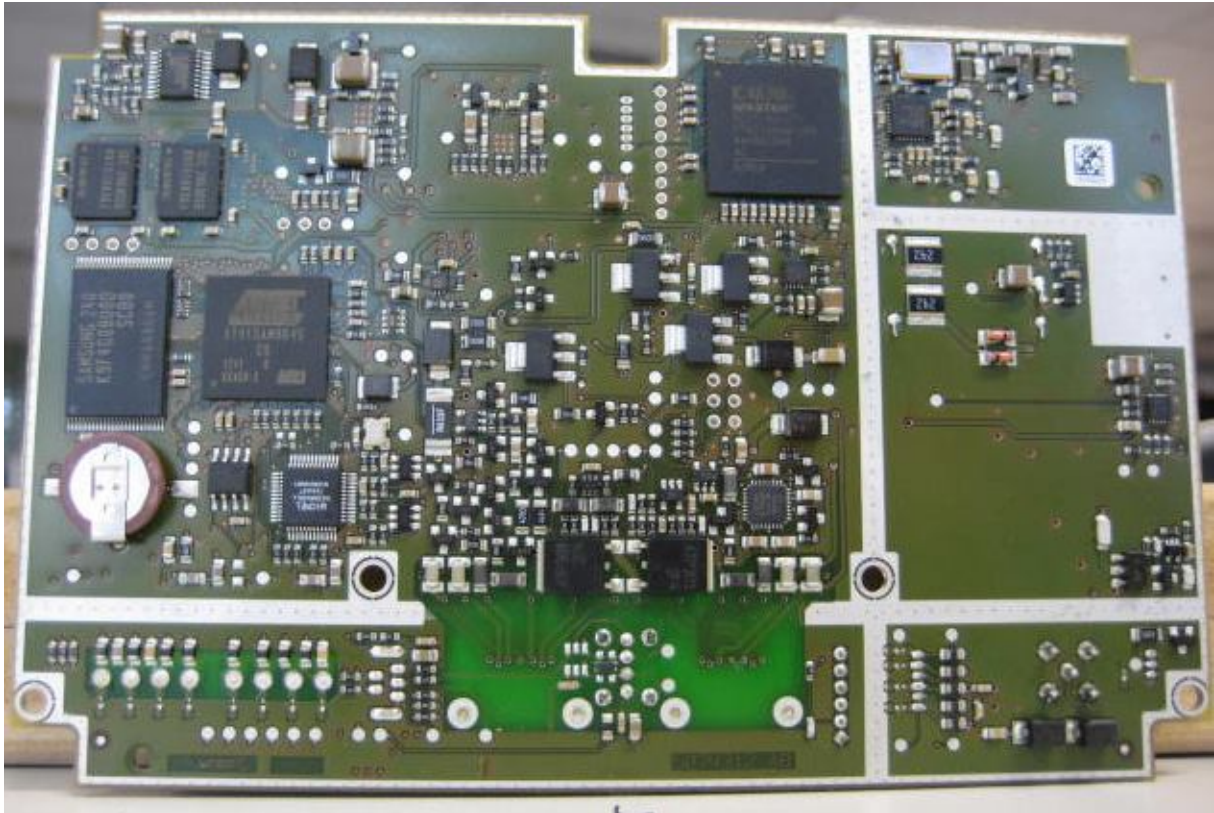
3.3. Renos with covers removed



3.4. Renos front side PCB

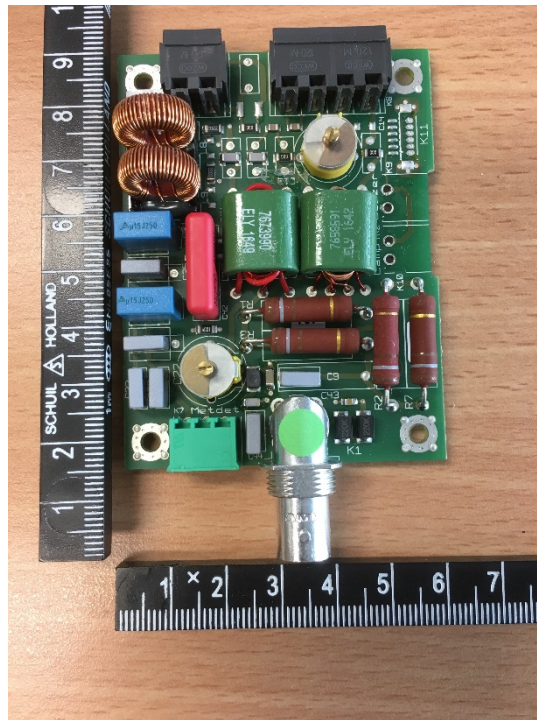


3.5. Renos back side PCB

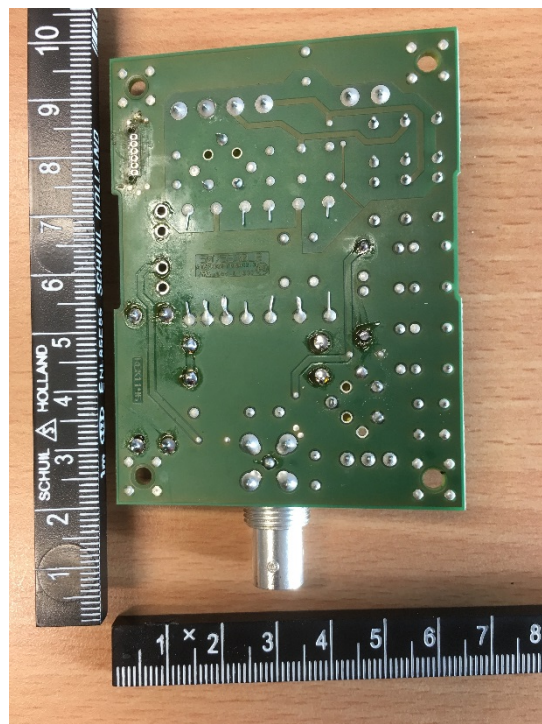


4. Antenna matching PCB

4.1. Front view

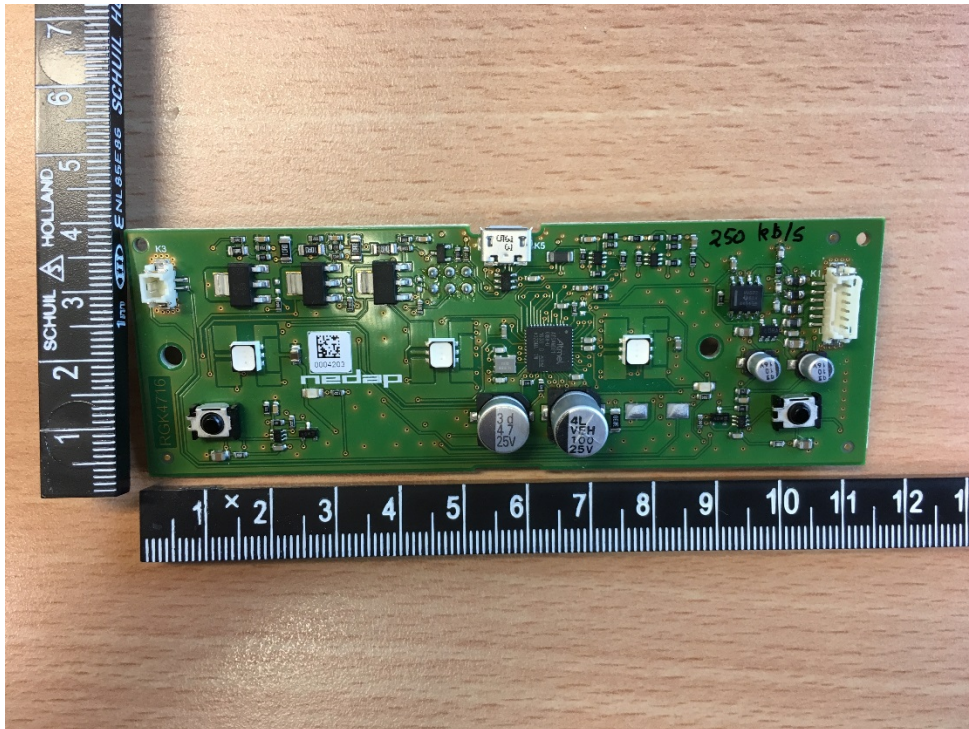


4.2. Back view

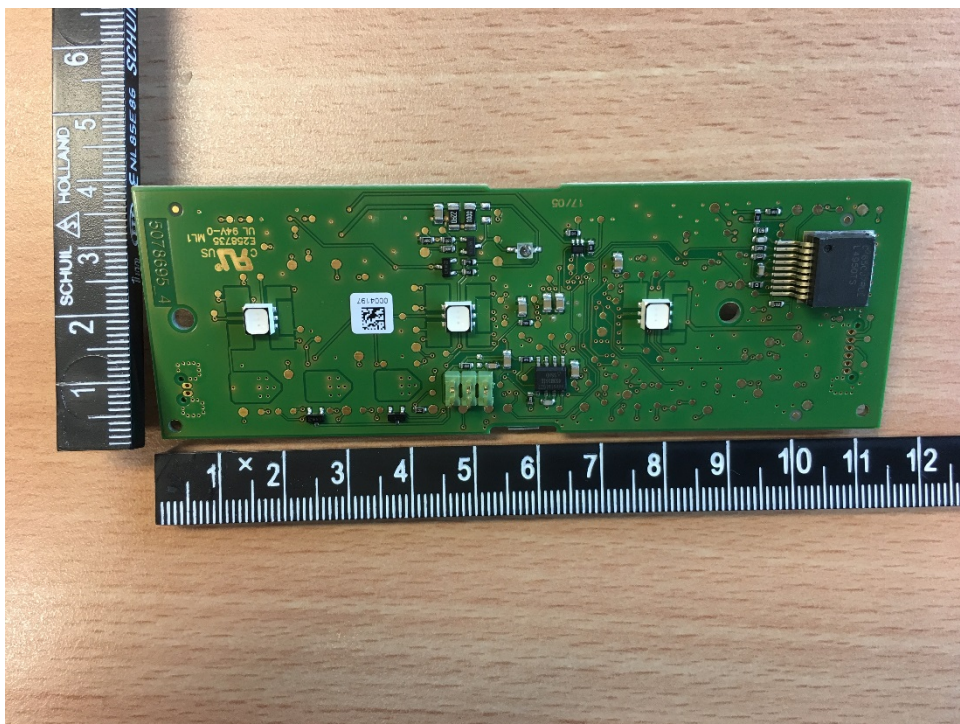


5. LED/buzzer and customer counter PCB

5.1. Front view



5.2. Back view

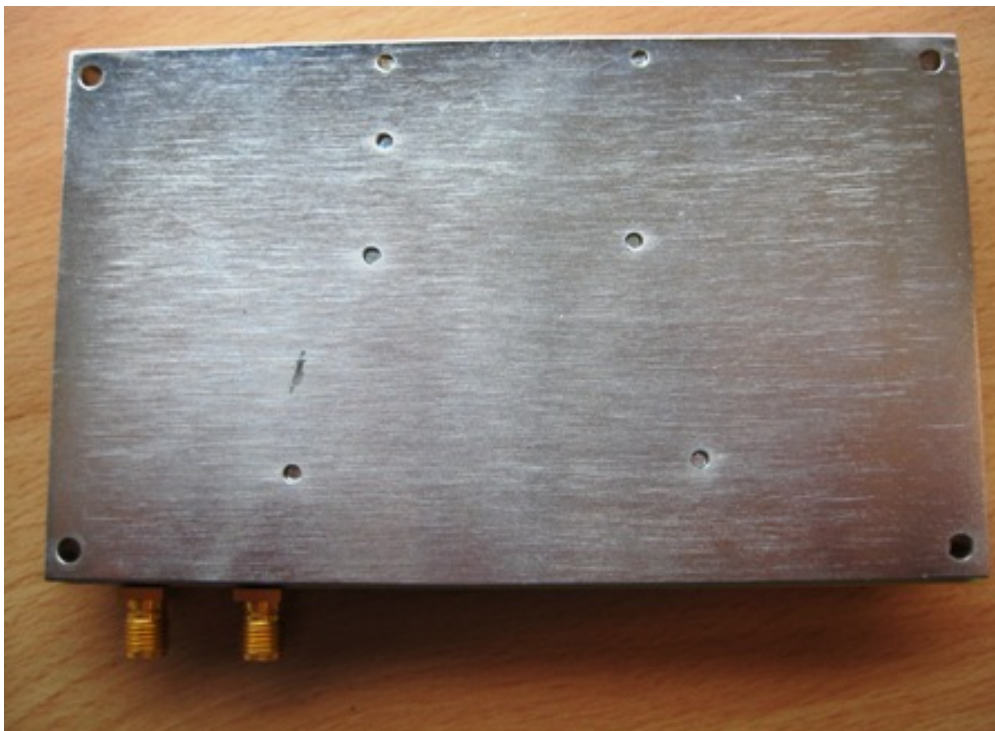


6. RFID 902-928MHz transmitter/Receiver

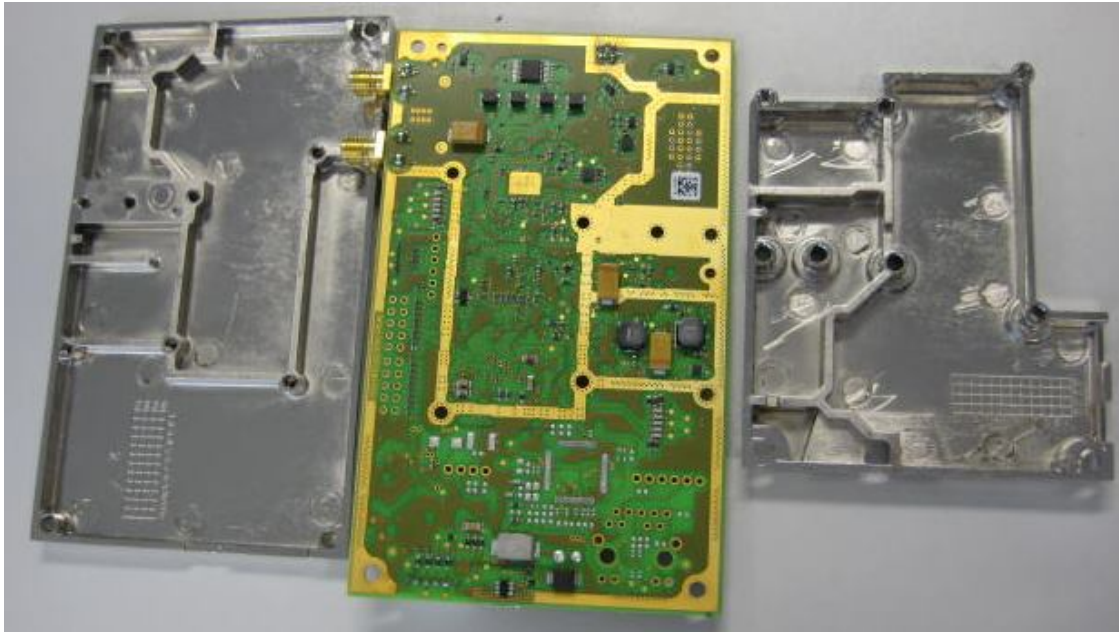
6.1. Front side with metal cover



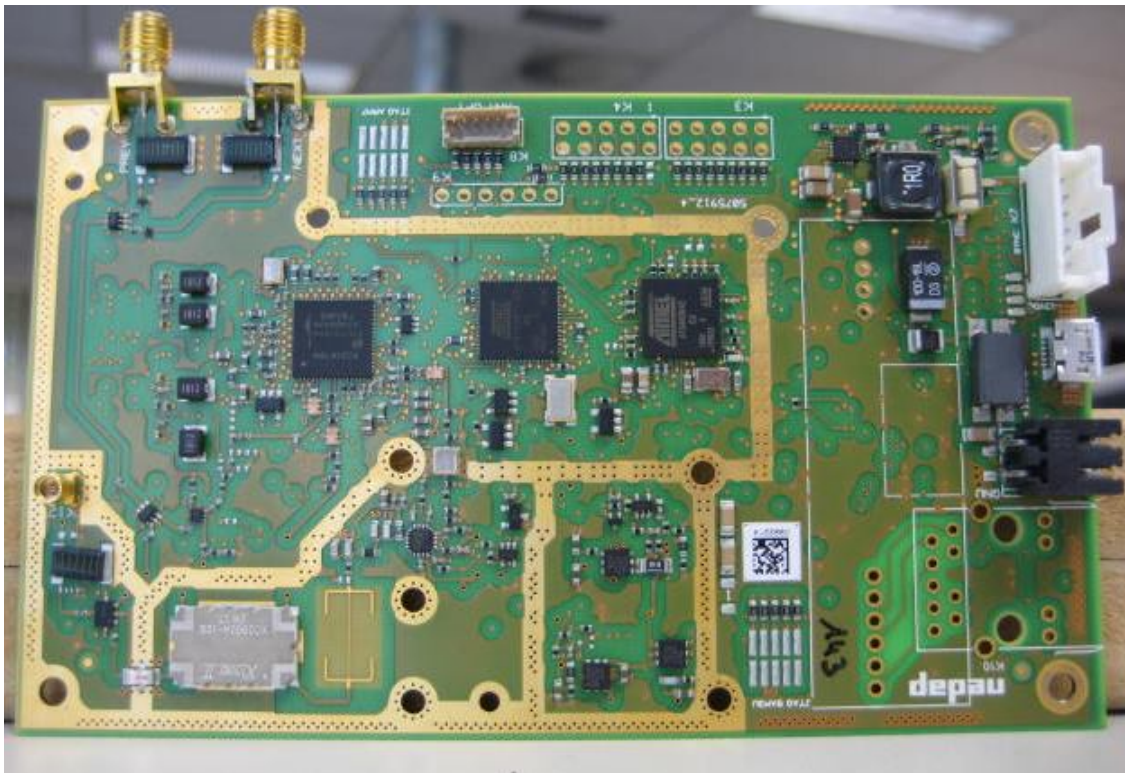
6.2. Backside with metal cover



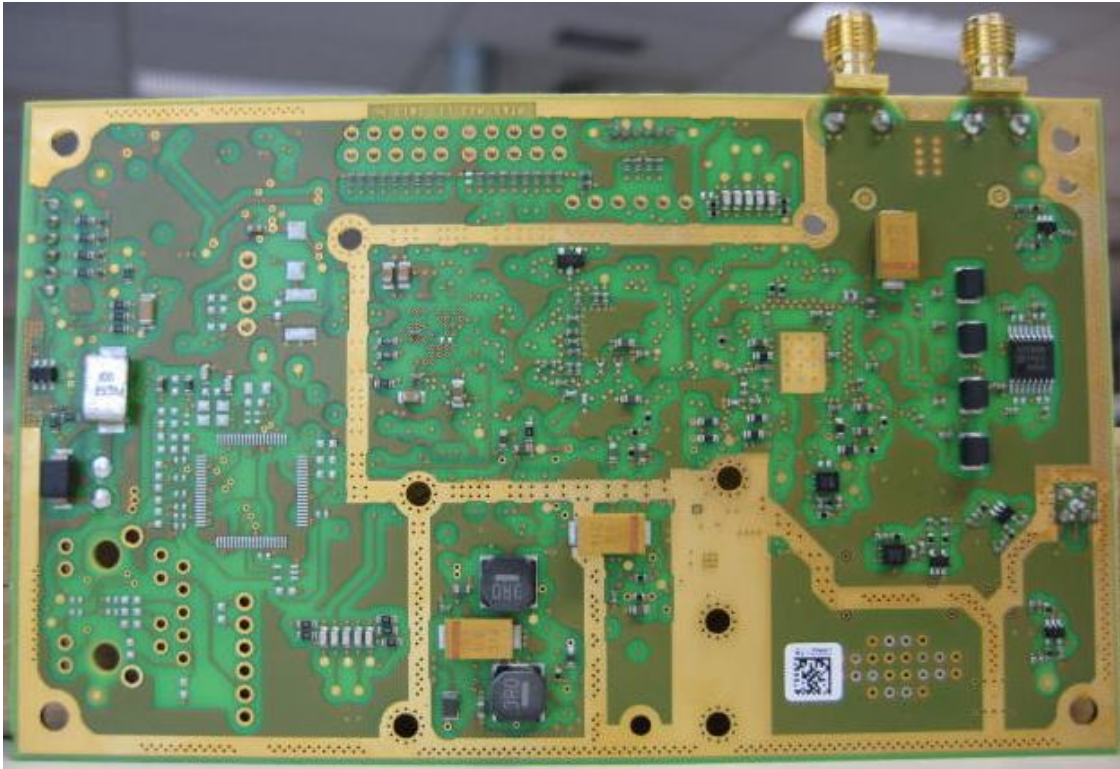
6.3. ID reader covers removed



6.4. PCB Front side

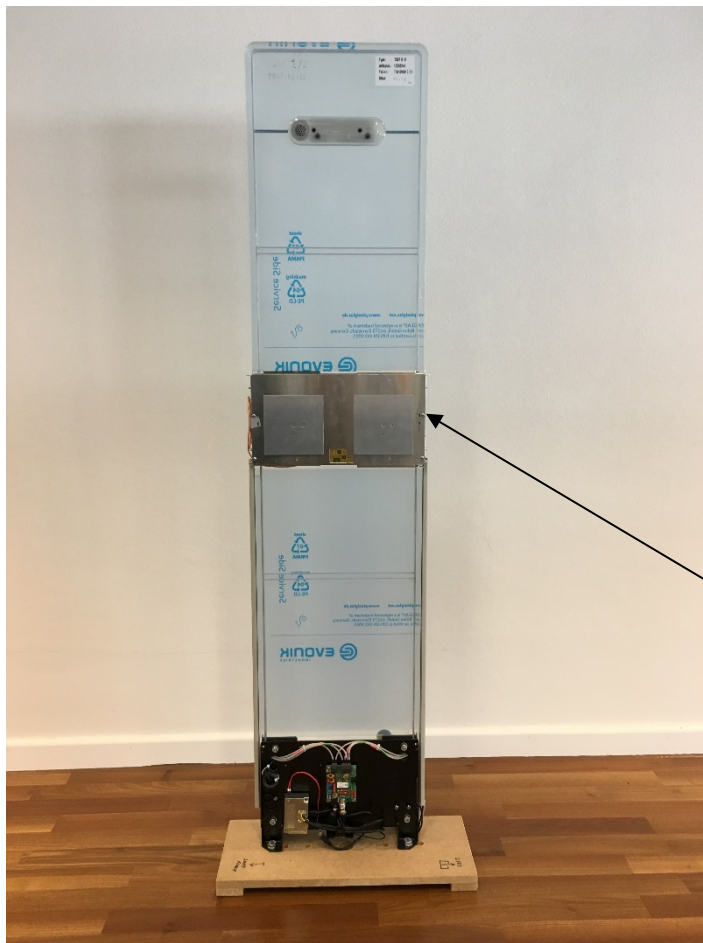


6.5. PCB Back side



7. Antenna information 902-928 MHz part

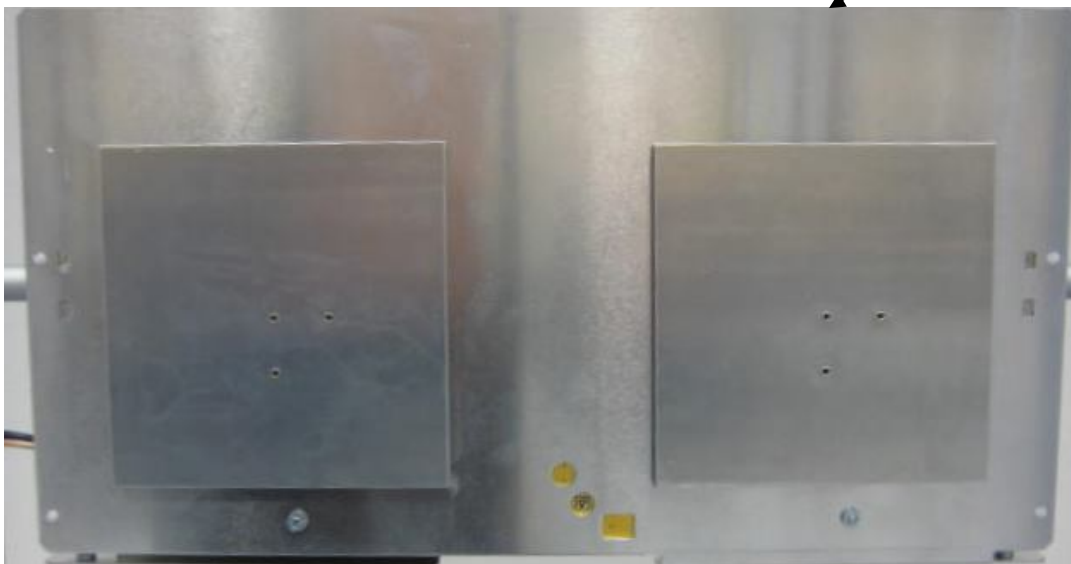
7.1. Front side antennae



Cover removed

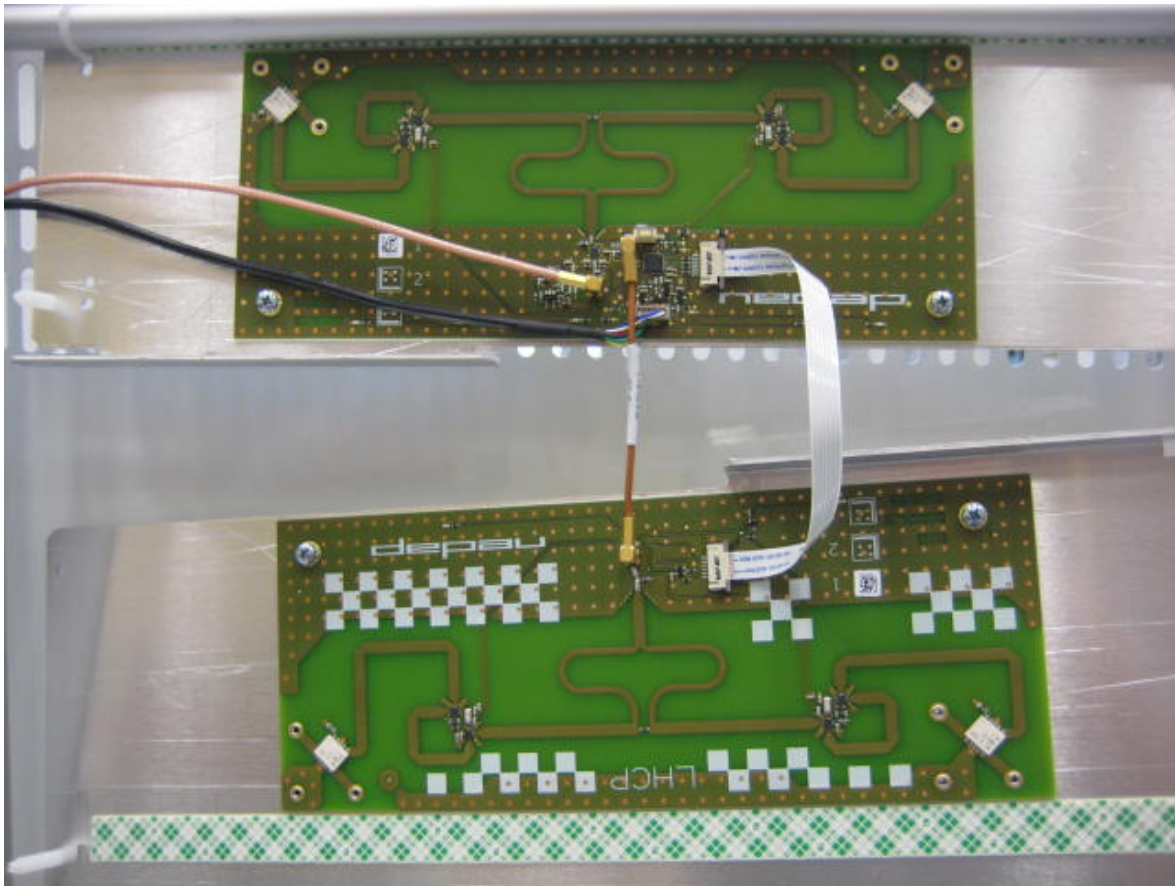


7.2. Backside antennae

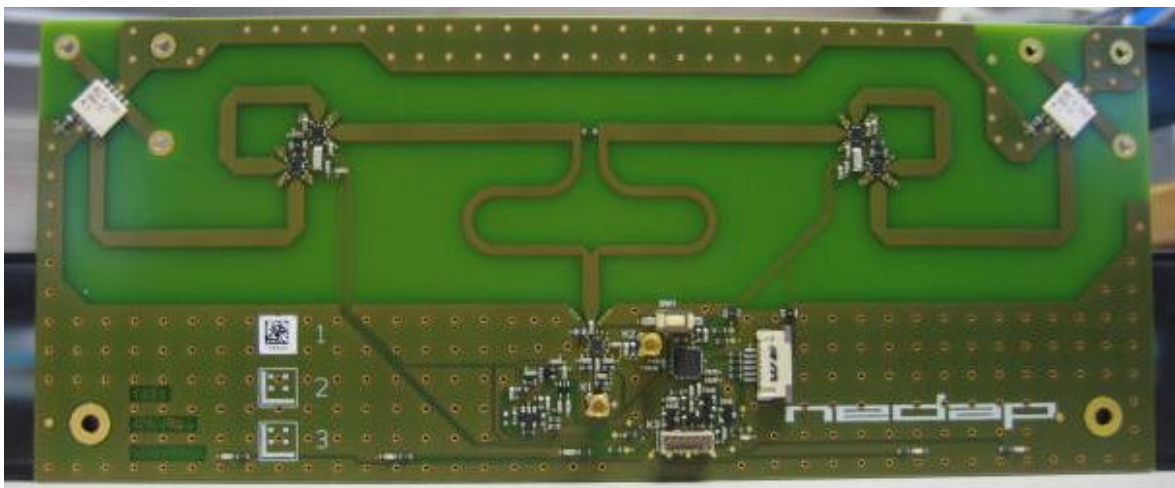


Cover removed

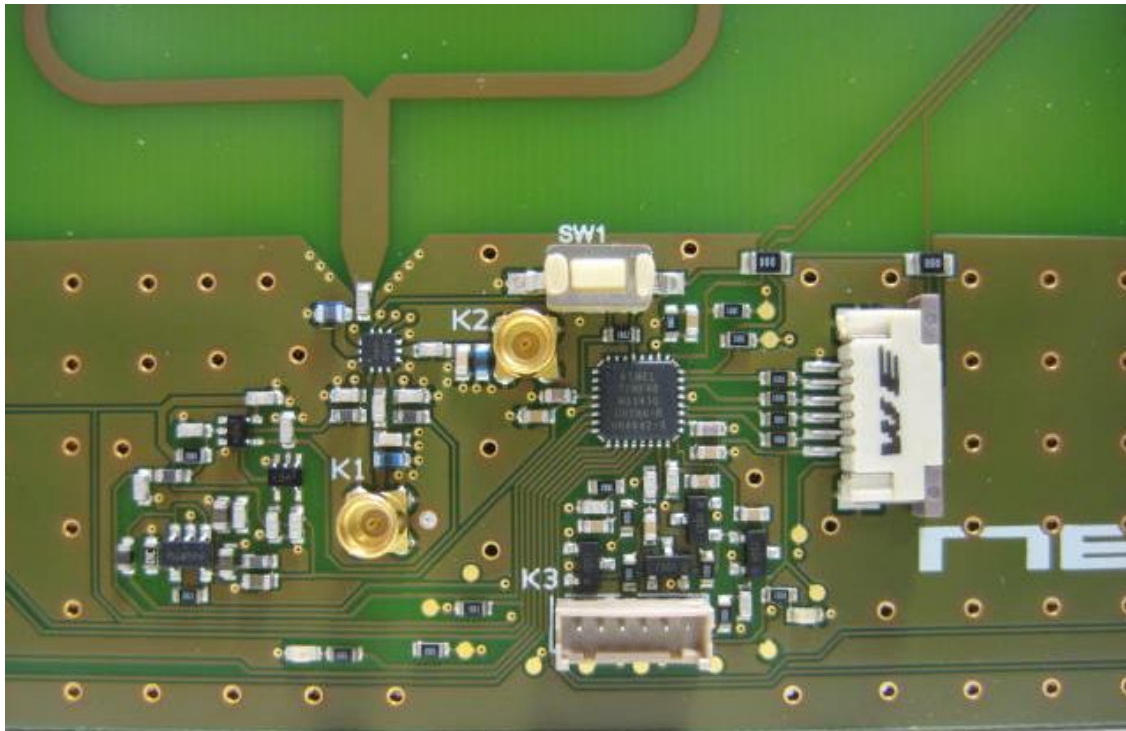
7.3. Antenna Printed Circuit Boards



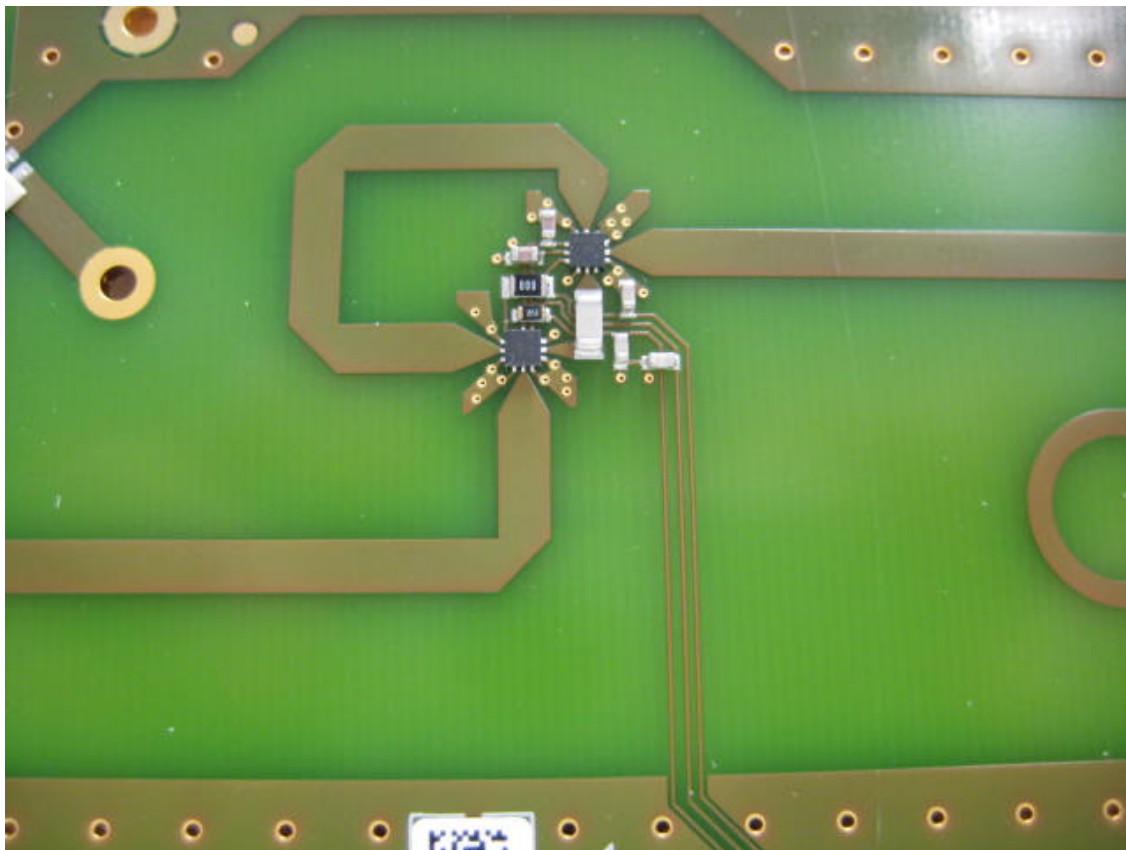
7.3.1. Antenna PCB RHCP



Overview

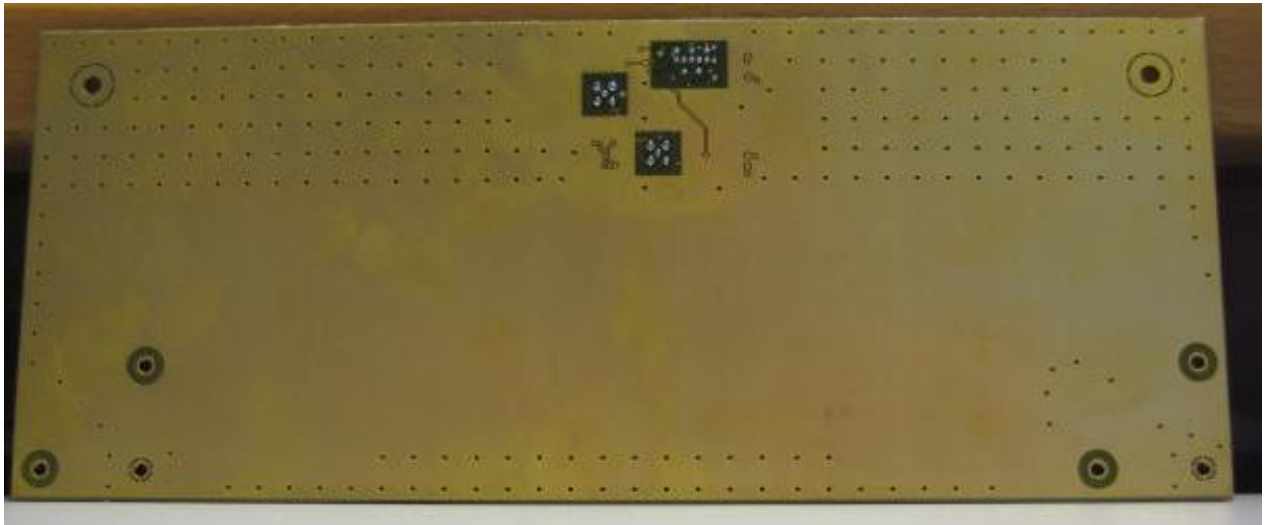


Detail1

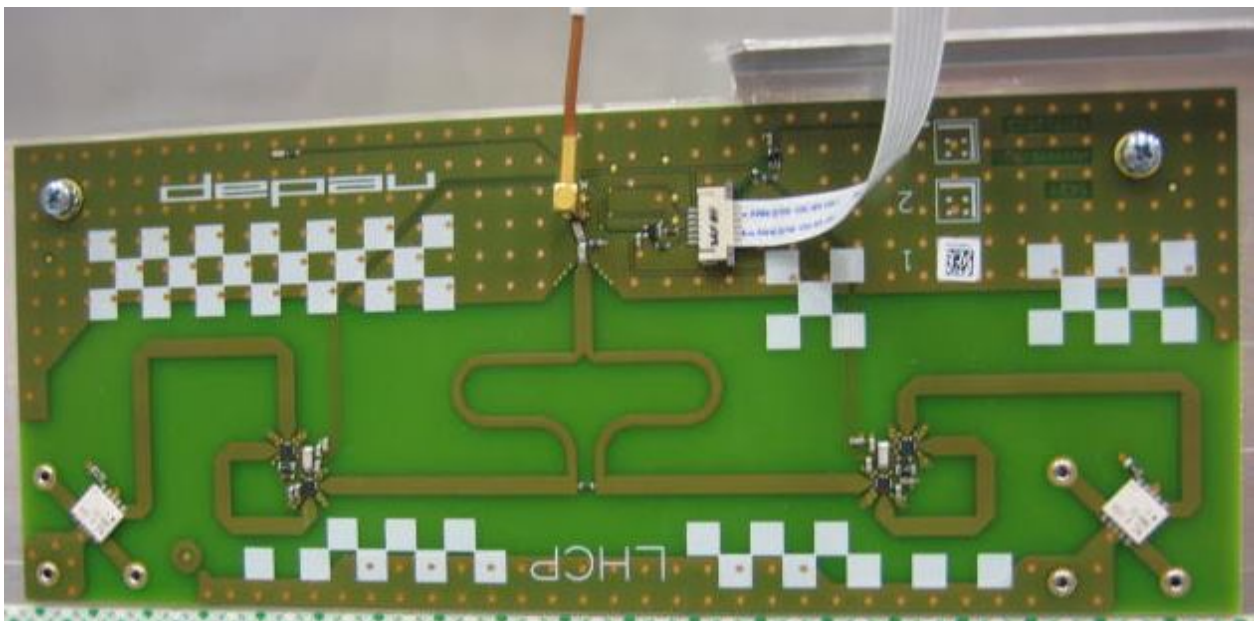


Detail 2

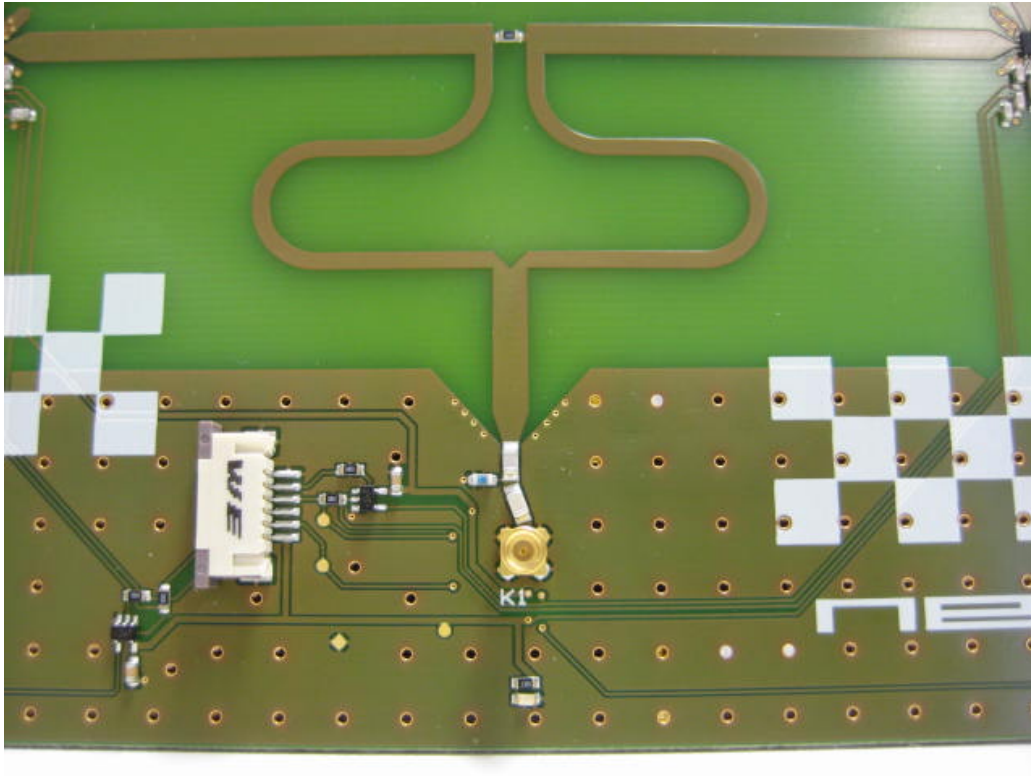
7.3.2. Back side



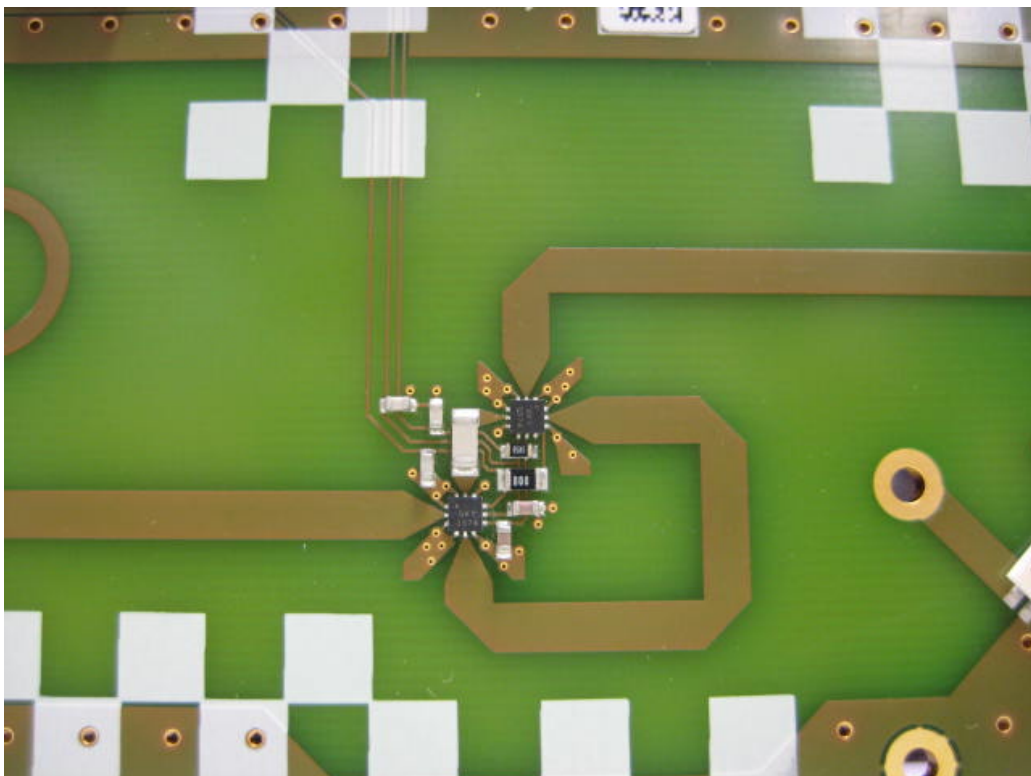
7.3.3. Antenna PCB LHCP



Overview



Detail1



Detail2

7.3.4. Back side