

Photo report internal components

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

Brand: Nedap

Models: ASSY T325R RF+MD+RFID

Author	RH
Date	25 September 2018
Status	final

N.V. Nederlandsche Apparatenfabriek "Nedap"

Parallelweg 2
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	Lumen iL33
Model	ASSY T325R RF+MD+RFID
Type of service	New Application

Applicant Information

Applicant's representative	Mr. Reinold Hubers
Company	N.V. Nederlandsche Apparatenfabriek "Nedap"
Address	Parallelweg 2
Postal code	7141 DC
City	Groenlo
PO Box	6
Postal code	7140 AA
City	Groenlo
Country	The Netherlands
Telephone number	+31 (0) 544 471111
Telefax number	+31 (0) 544 463475

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1. Overview T325R RF all models



2. Internal photo overview

2.1. Front view



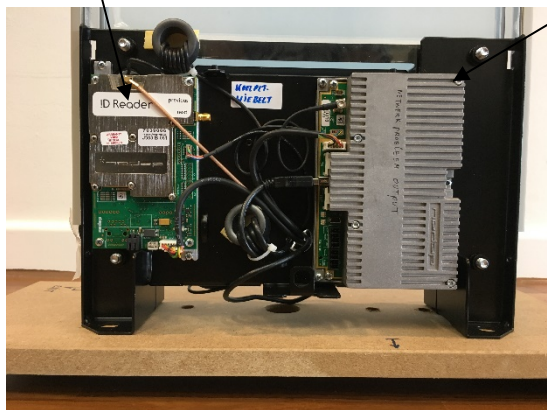
LED/buzzer PCB and
customer counter

125kHz and 7-8MHz
Antenna

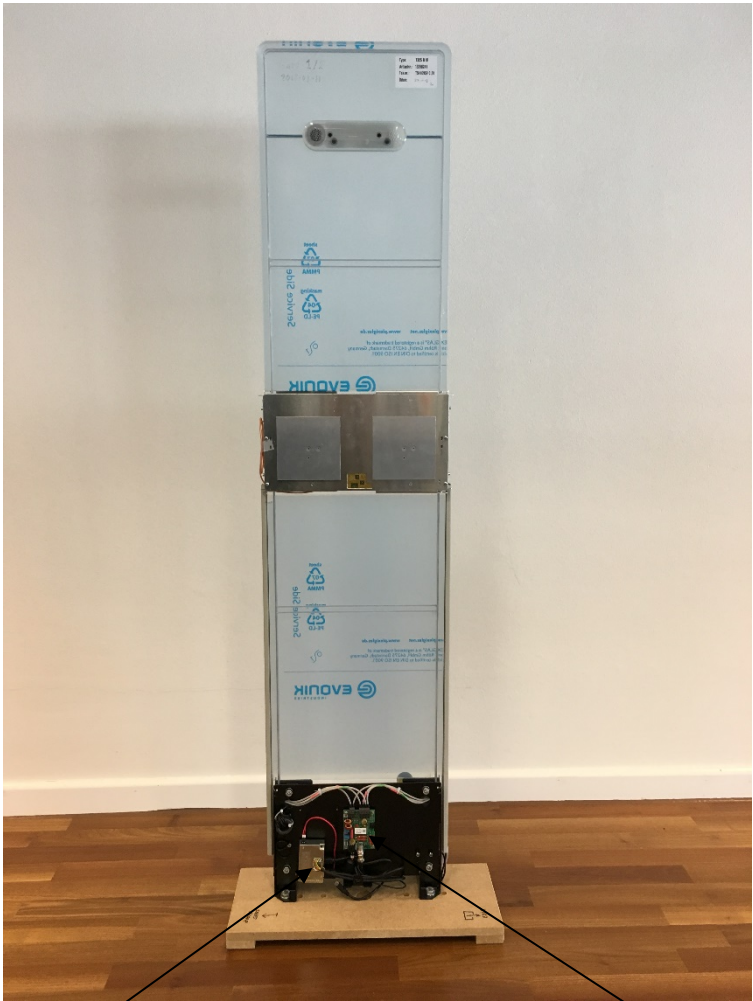
902-928MHz UHF
RFID Antenna

902-928MHz RFID
transceiver

Renos 8.2MHz
Transmitter/Receiver and
controller PCB

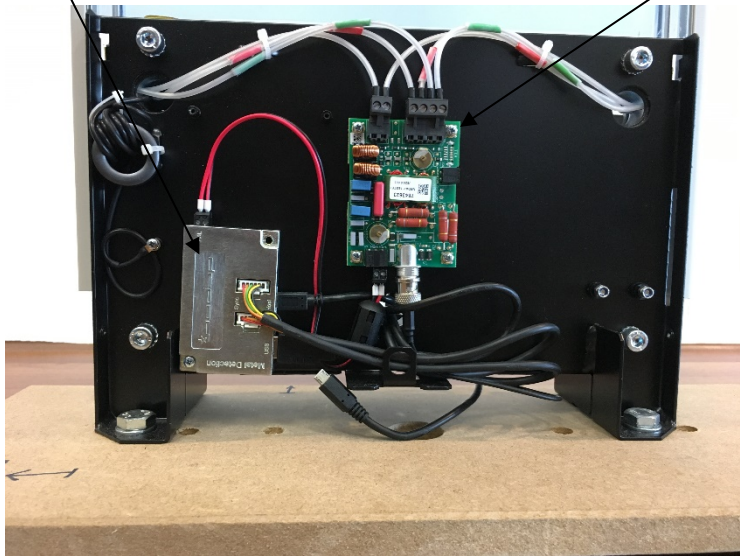


2.2. Back view



125kHz metal detector

RF Antenna matching PCB

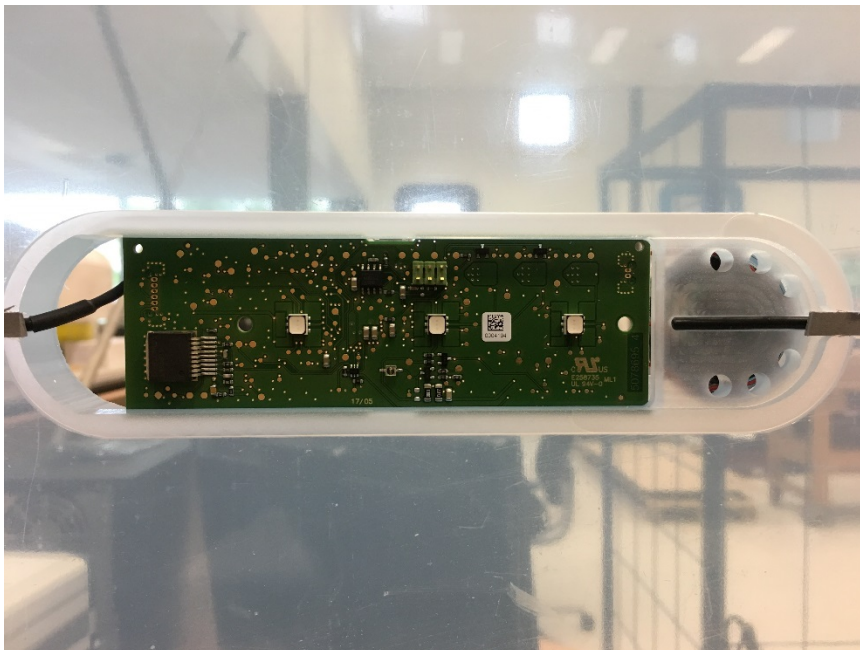


2.3. LED/buzzer and customer counter front side



Transparent white cover removed

2.4. LED/buzzer and customer counter back side



Transparent white cover removed

3. Renos transmitter/receiver and controller PCB

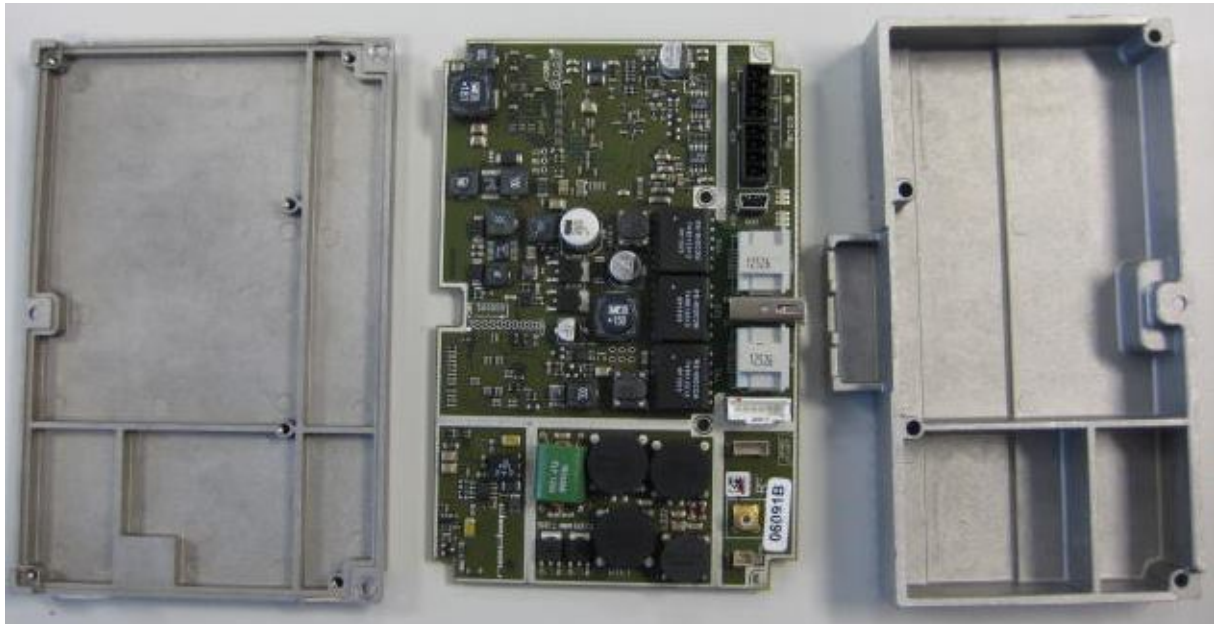
3.1. Complete top view with metal covers



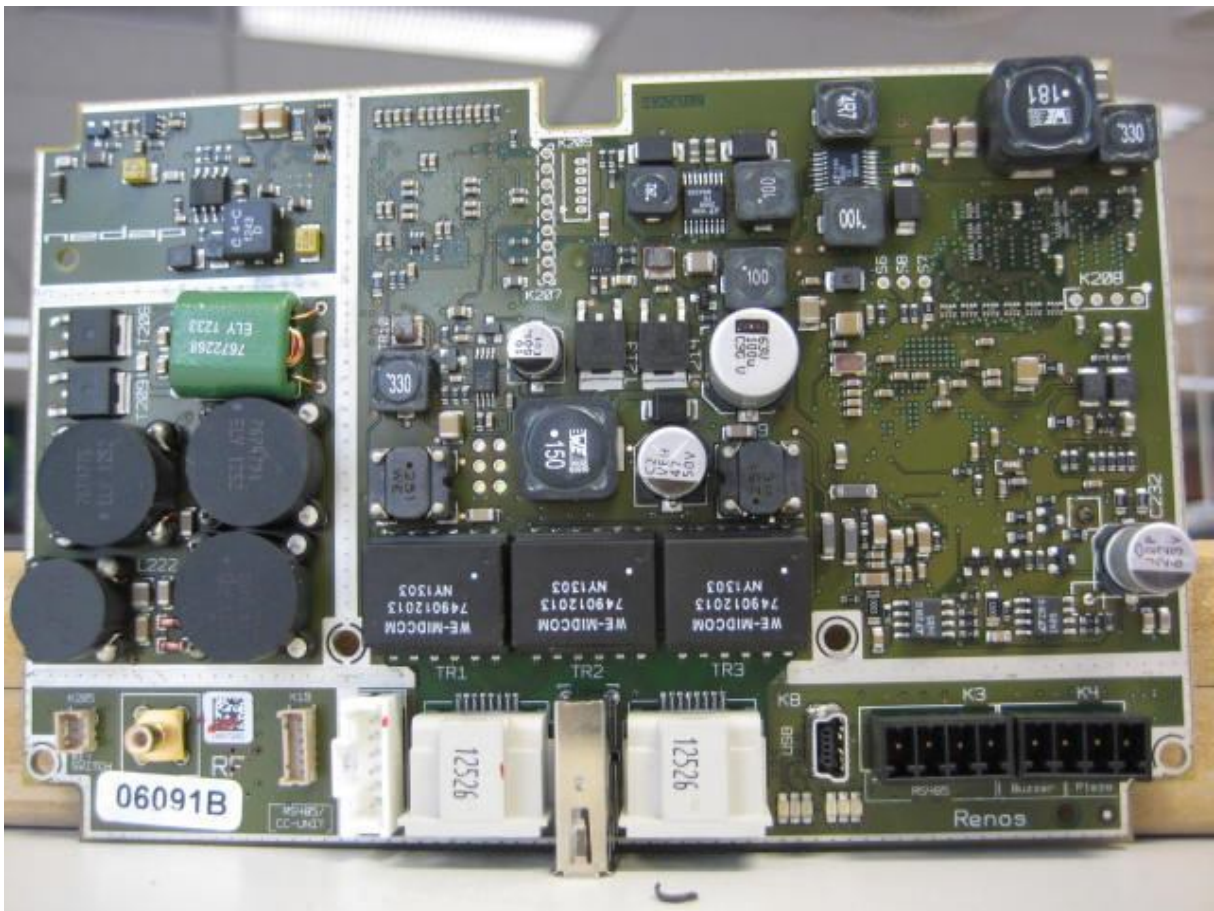
3.2. Back view with metal covers



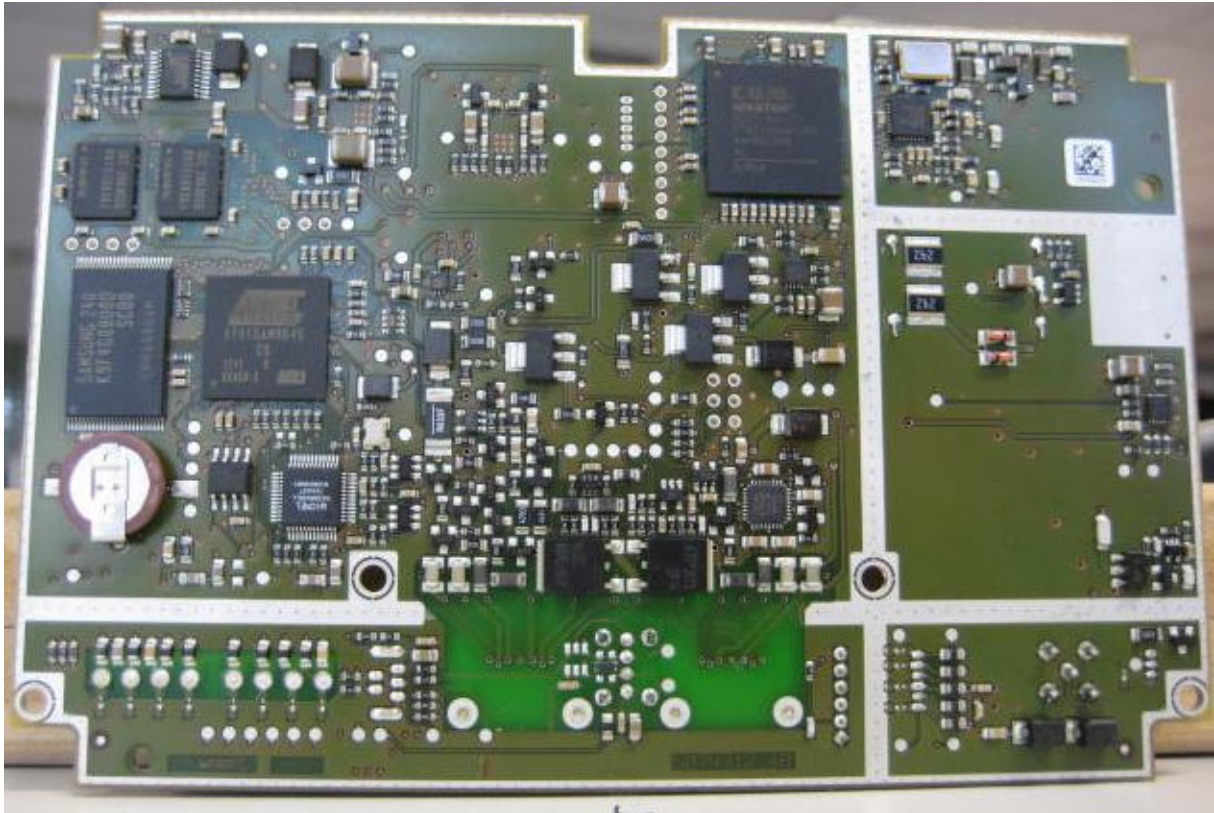
3.3. Renos with covers removed



3.4. Renos front side PCB

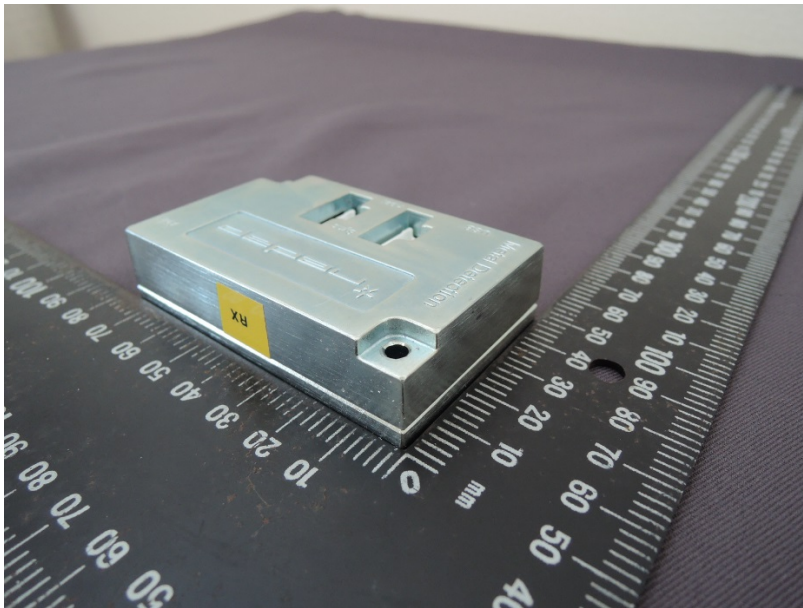


3.5. Renos back side PCB

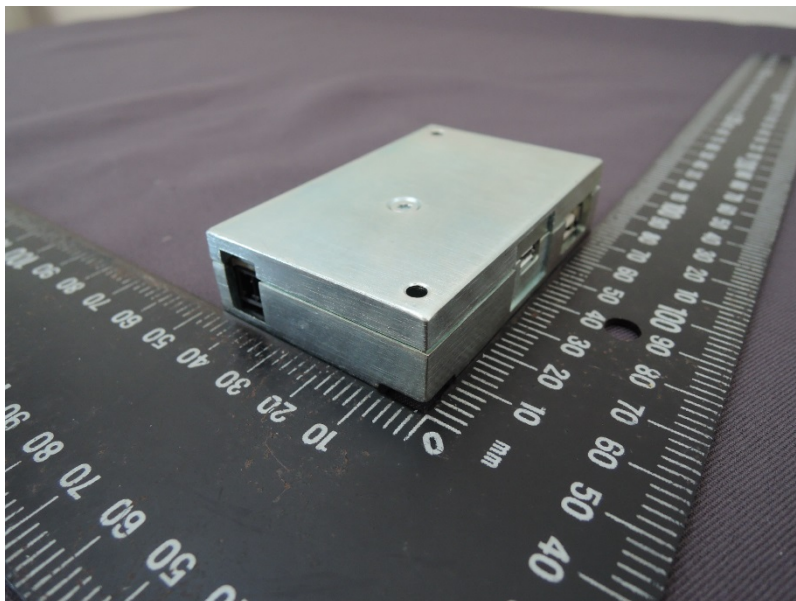


4. Metal detector PCB

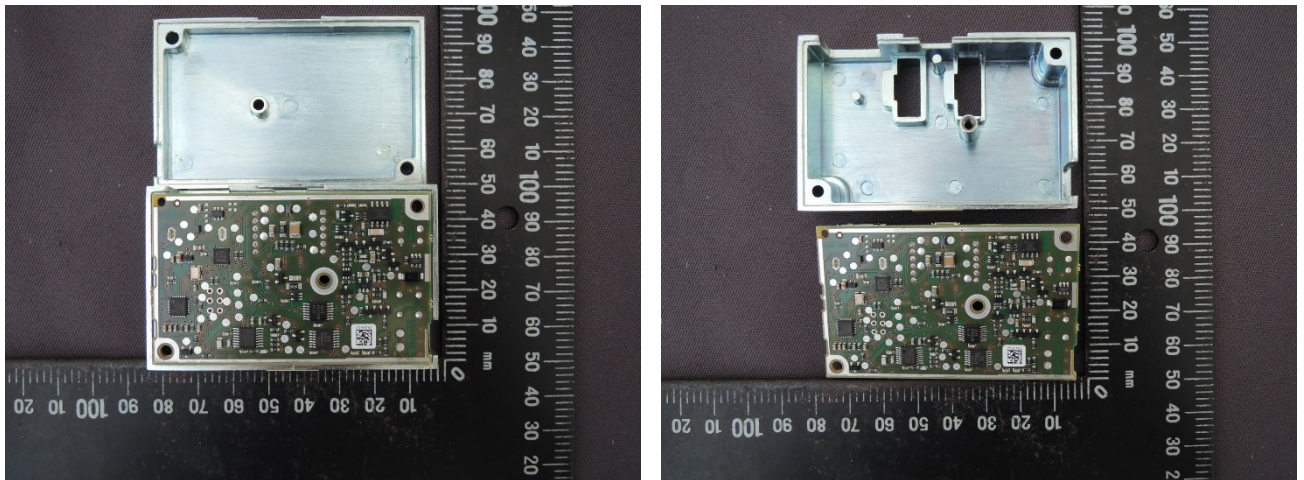
4.1. Complete top view with metal covers



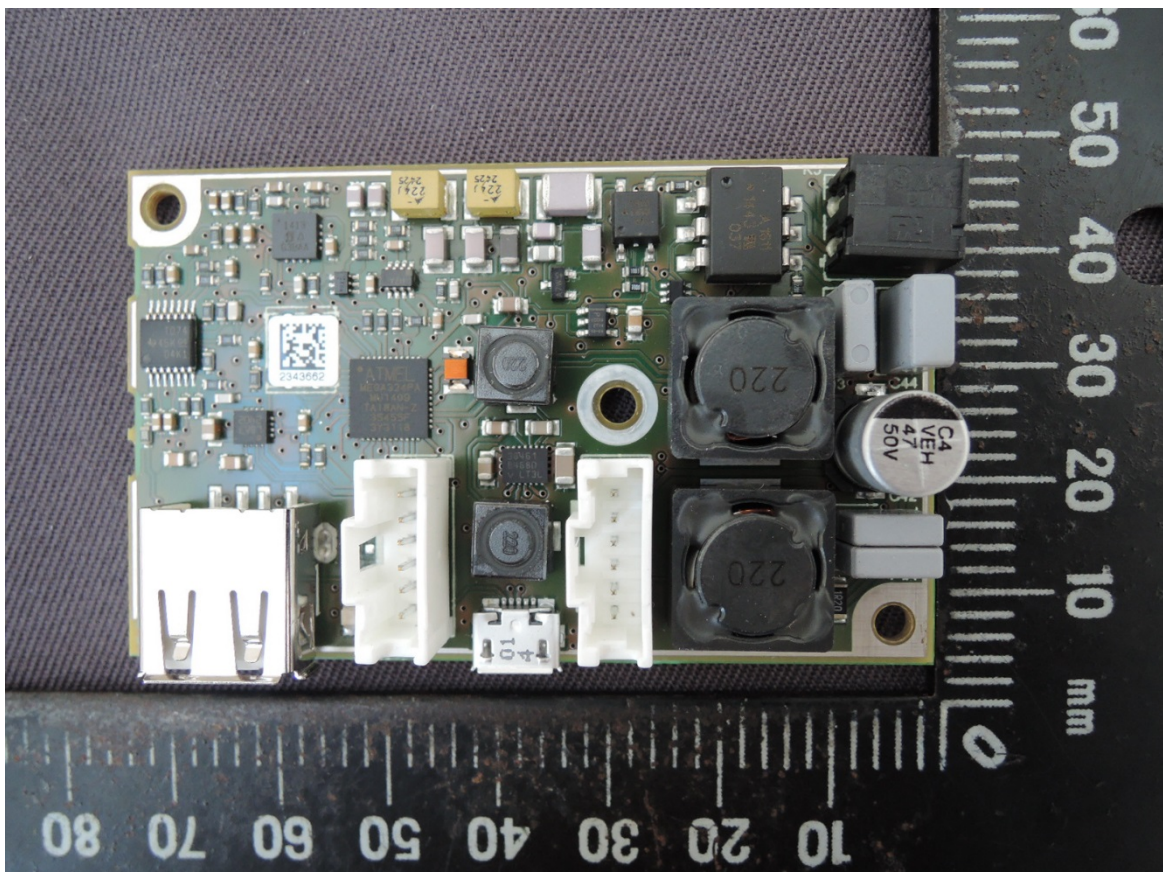
4.2. Complete back view with metal covers



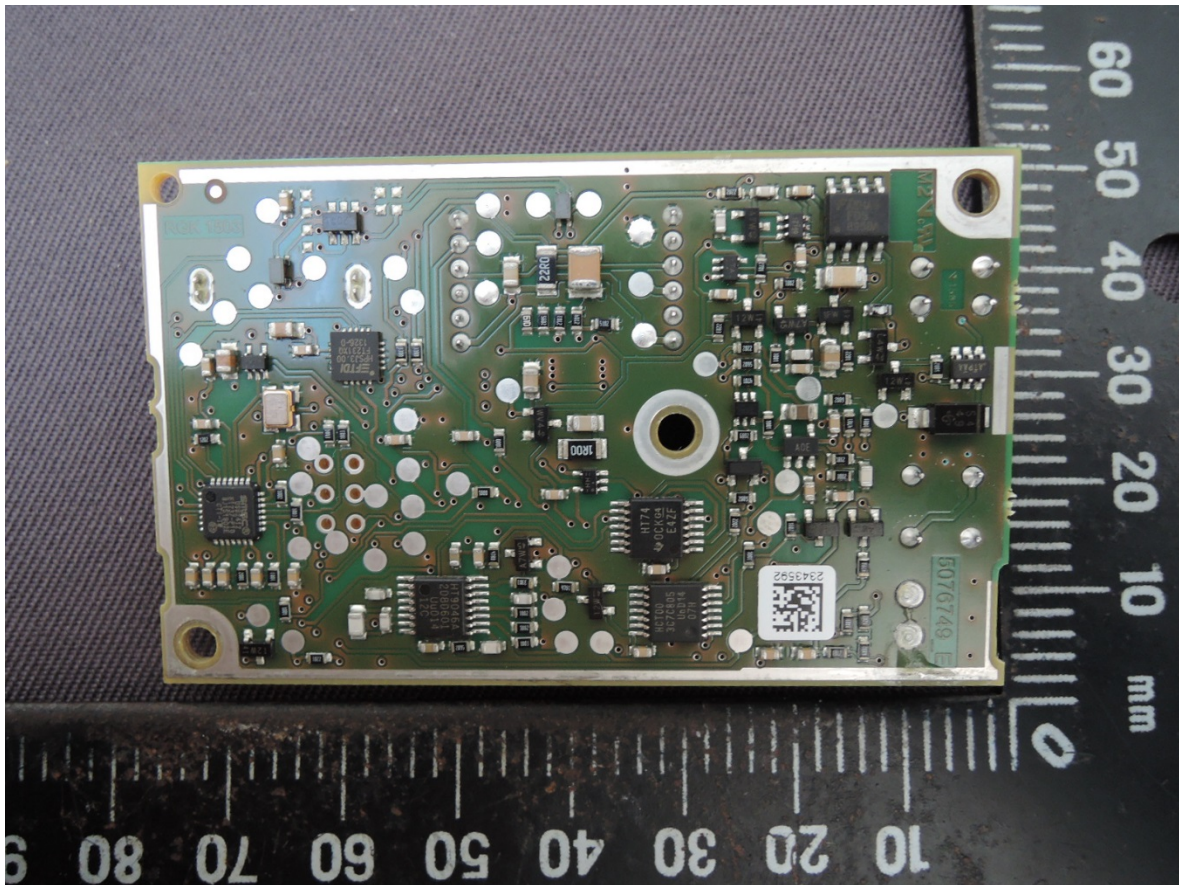
4.3. Metal detector with covers removed



4.4. Metal detector front side PCB

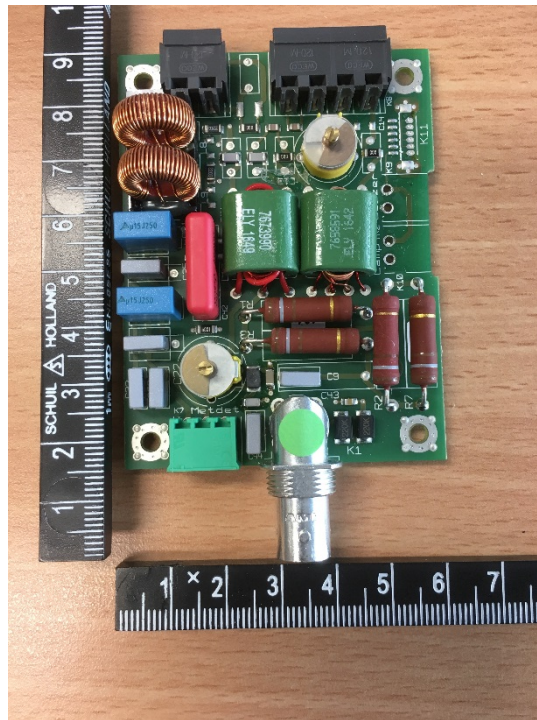


4.5. Metal detector back side PCB

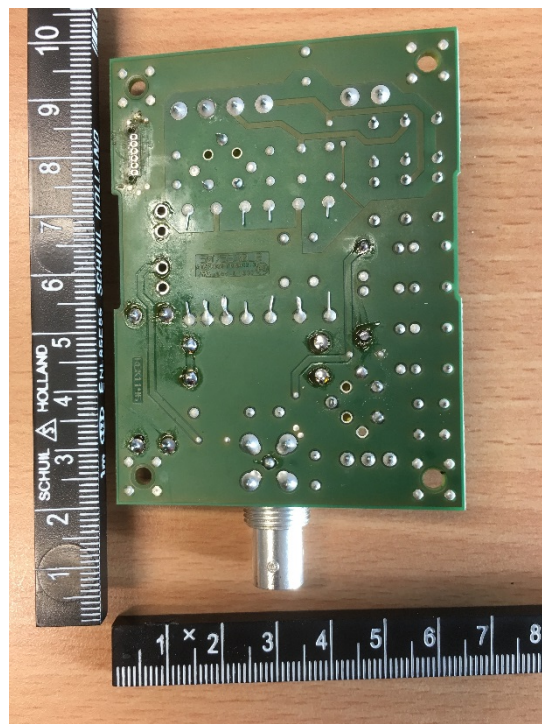


5. Antenna matching PCB

5.1. Front view

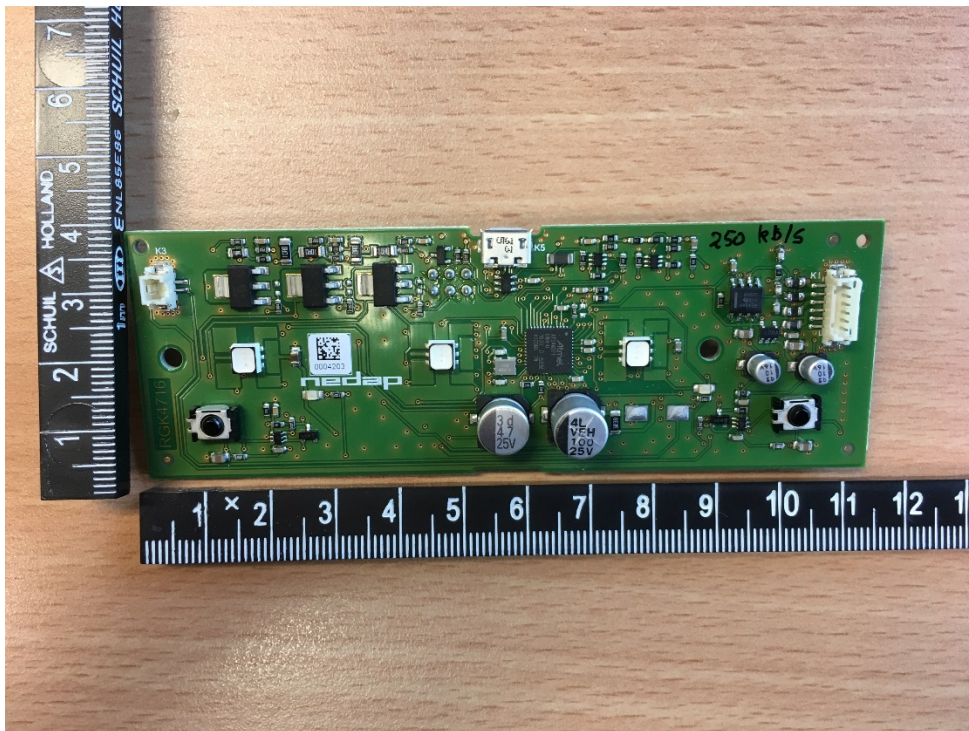


5.2. Back view

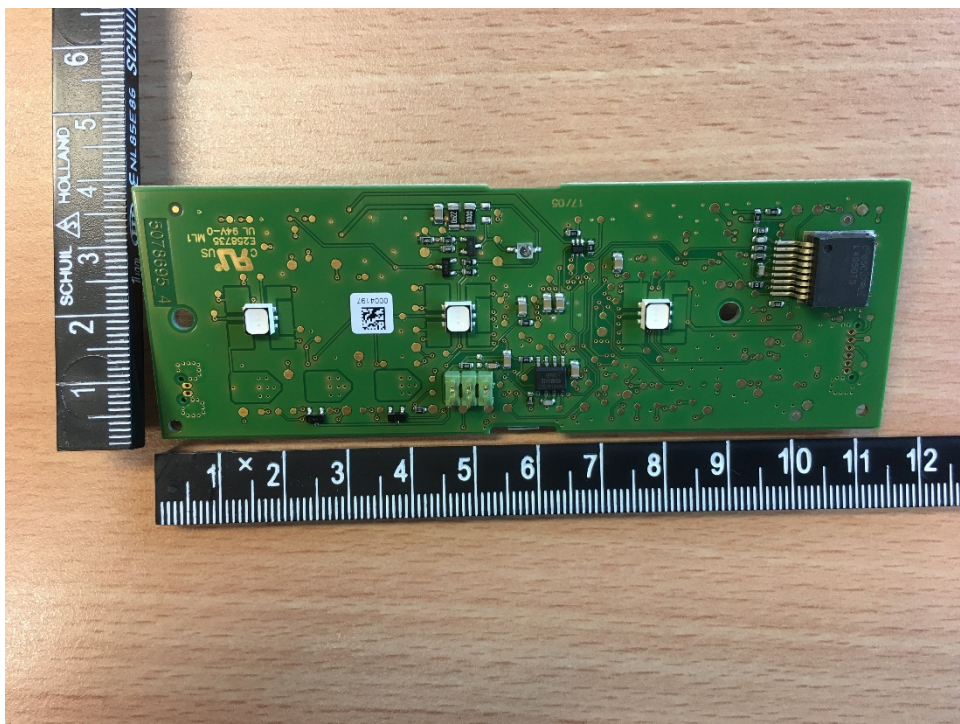


6. LED/buzzer and customer counter PCB

6.1. Front view



6.2. Back view

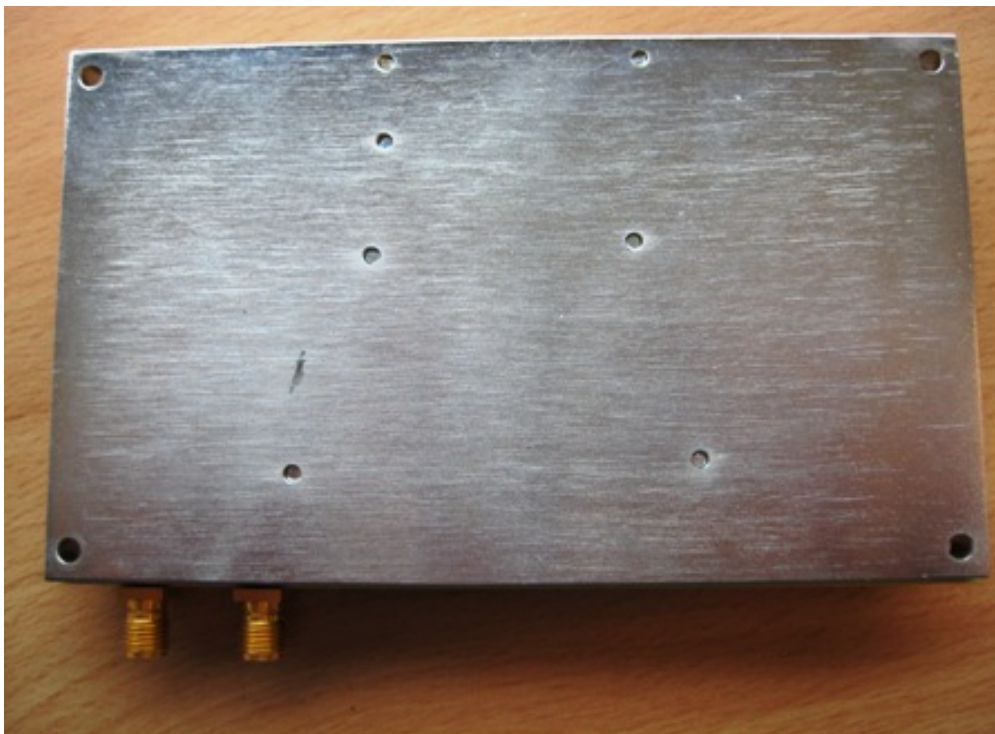


7. RFID 902-928MHz transmitter/Receiver

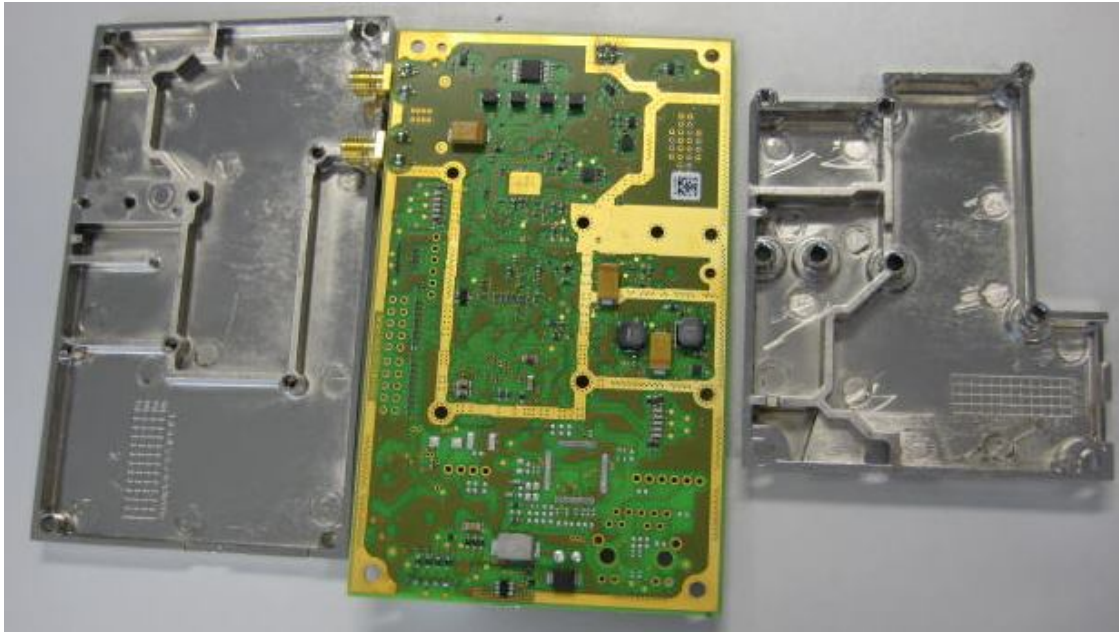
7.1. Front side with metal cover



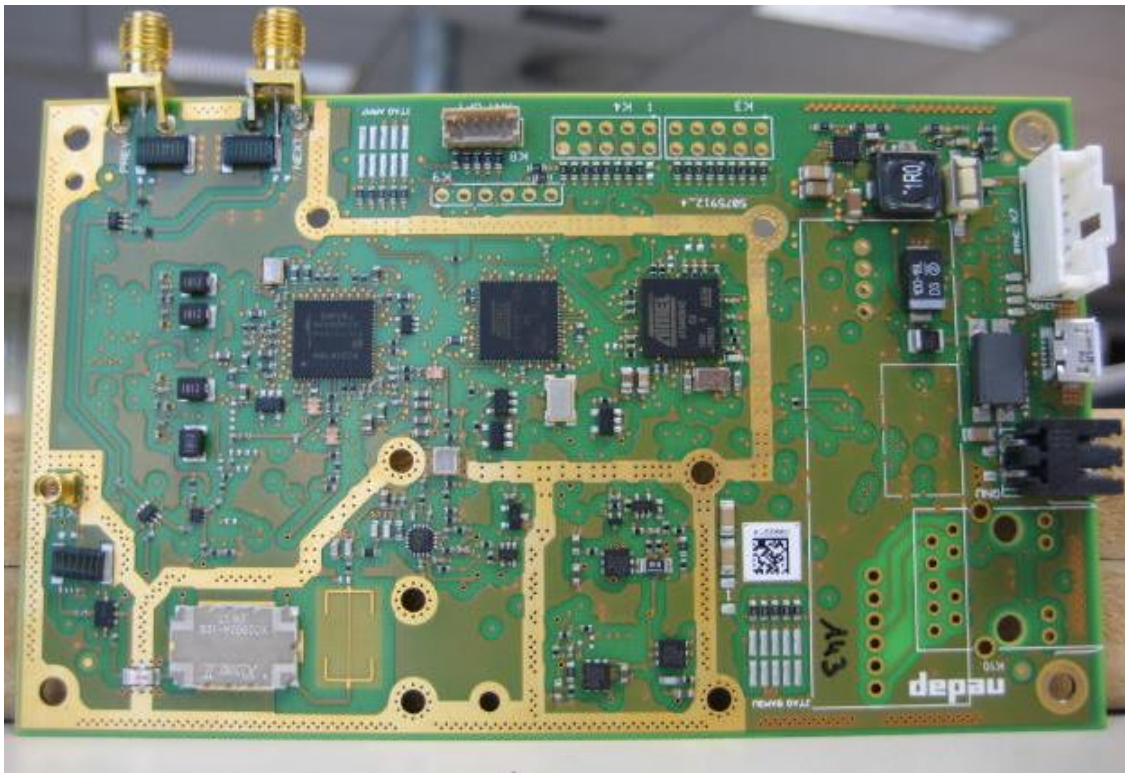
7.2. Backside with metal cover



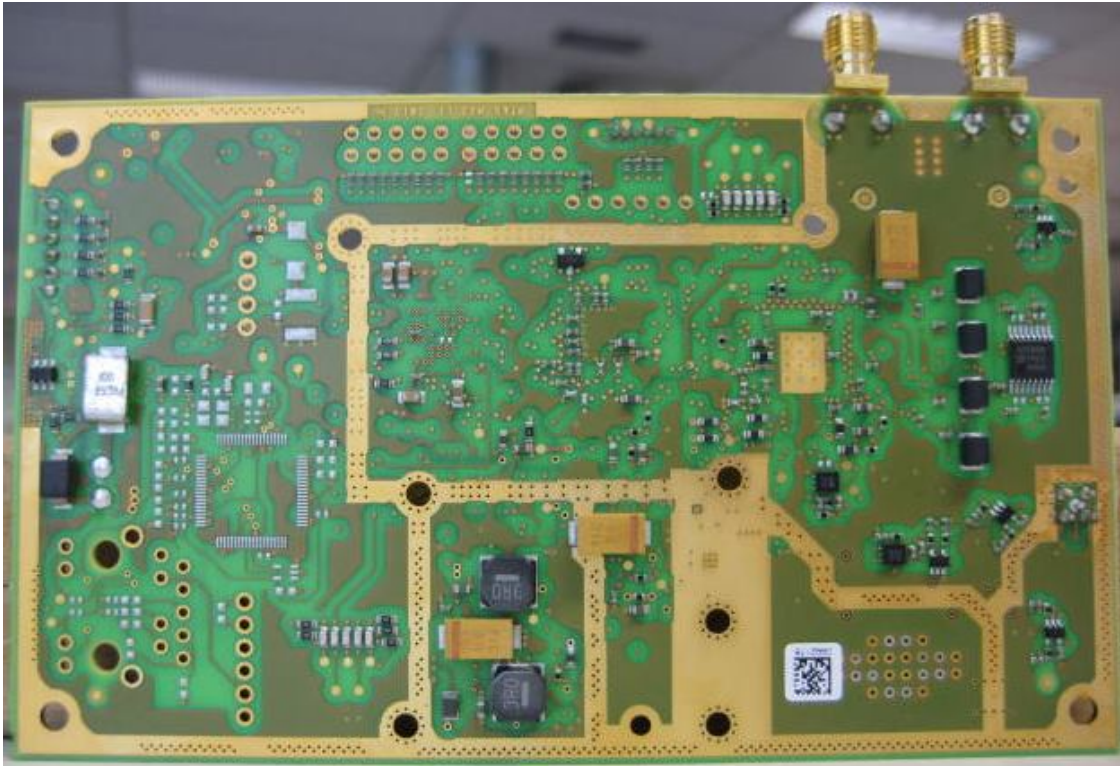
7.3. ID reader covers removed



7.4. PCB Front side

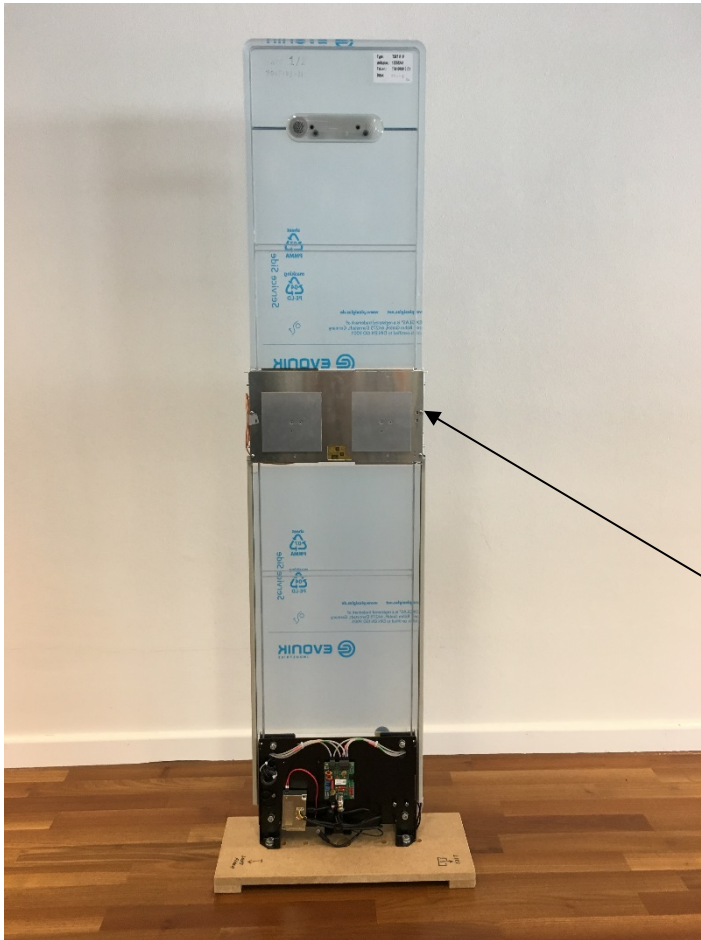


7.5. PCB Back side



8. Antenna information 902-928 MHz part

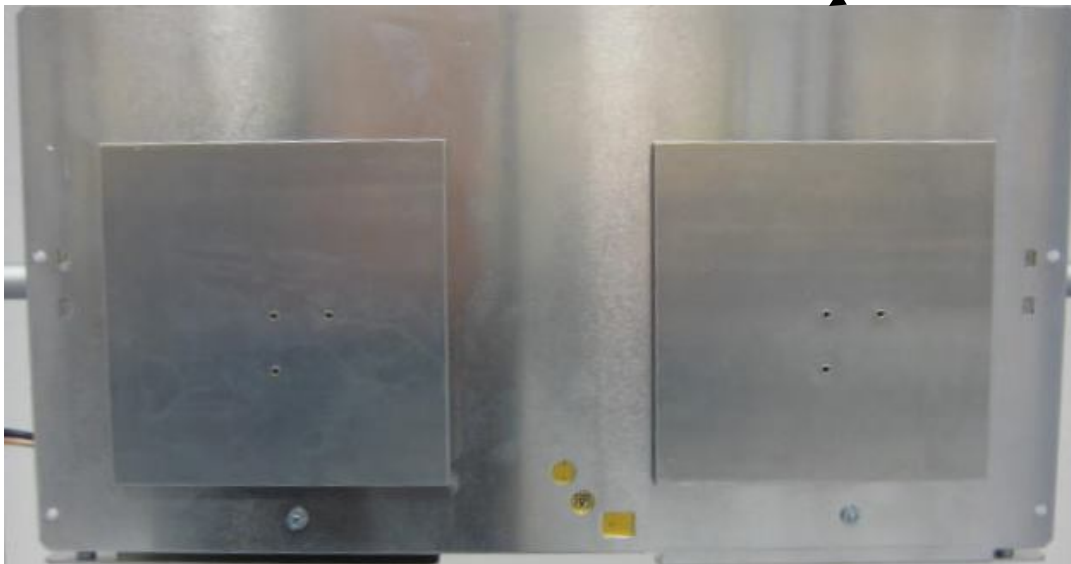
8.1. Front side antennae



Cover removed

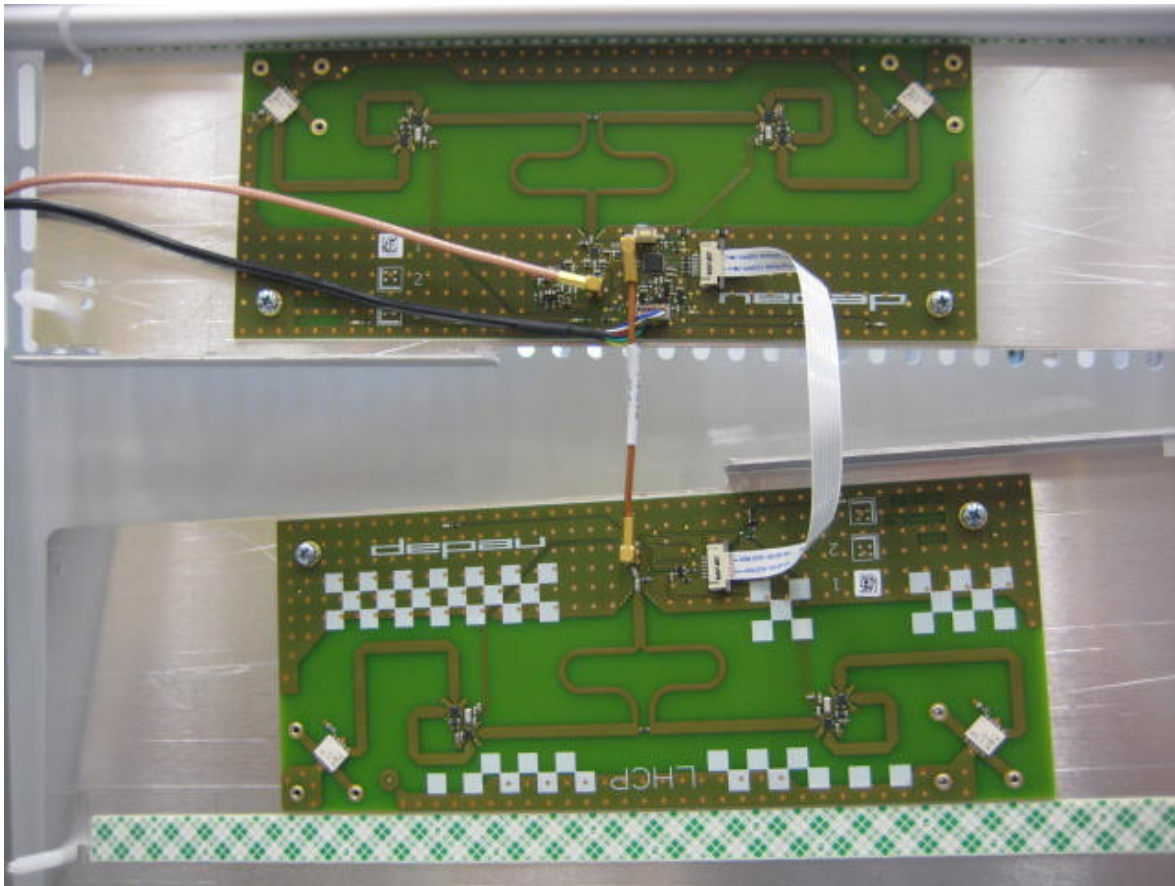


8.2. Backside antennae

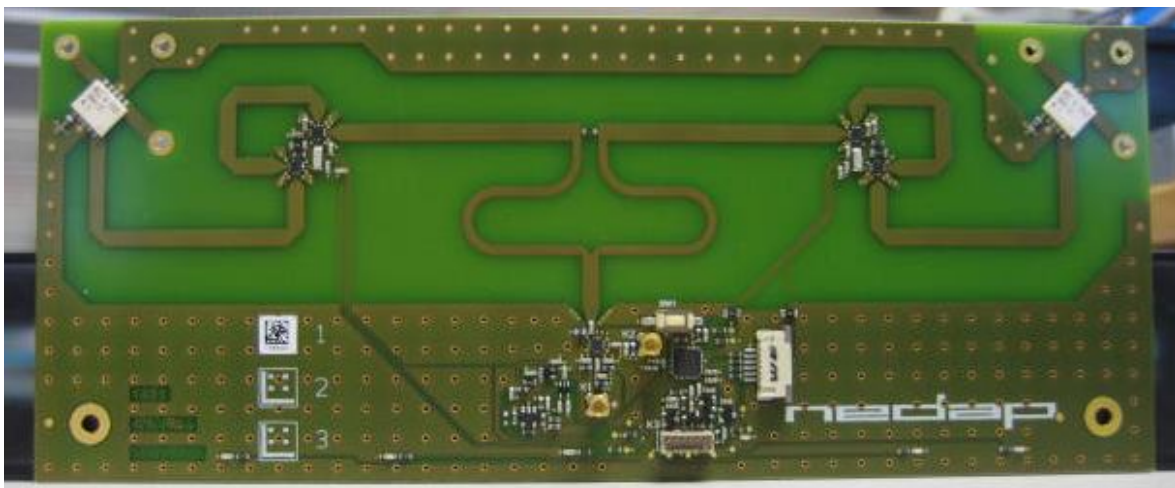


Cover removed

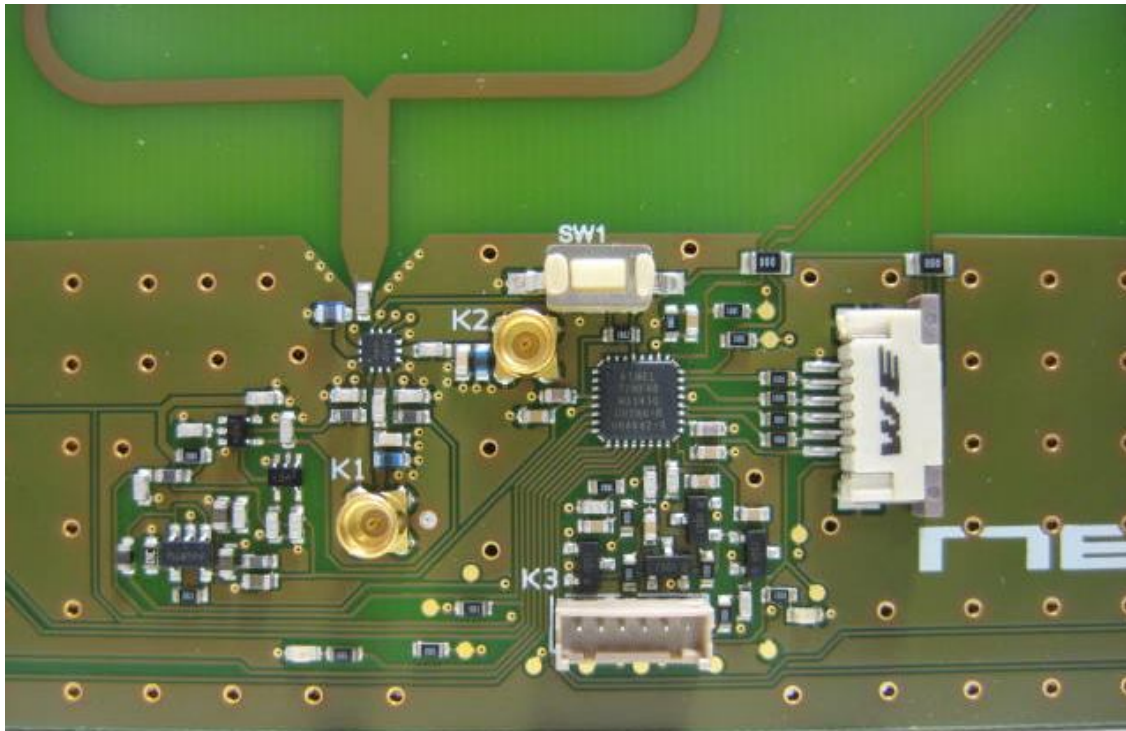
8.3. Antenna Printed Circuit Boards



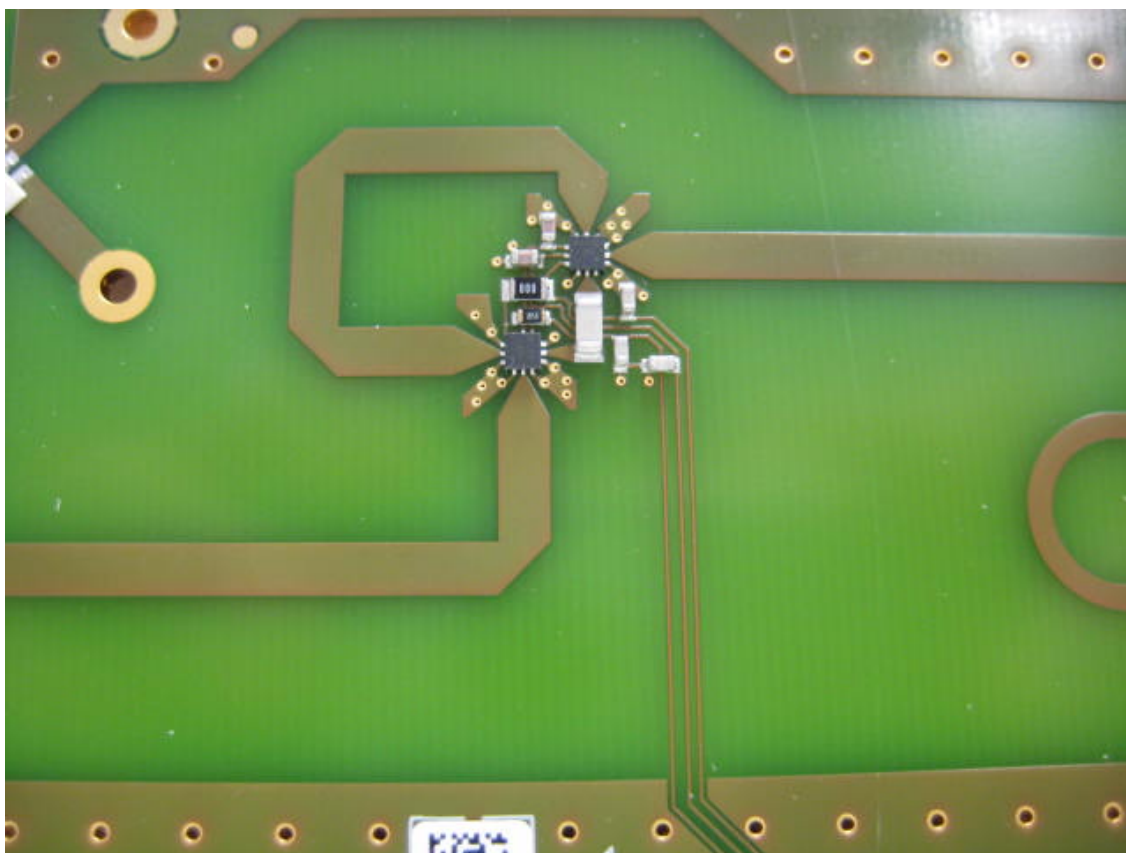
8.3.1. Antenna PCB RHCP



Overview

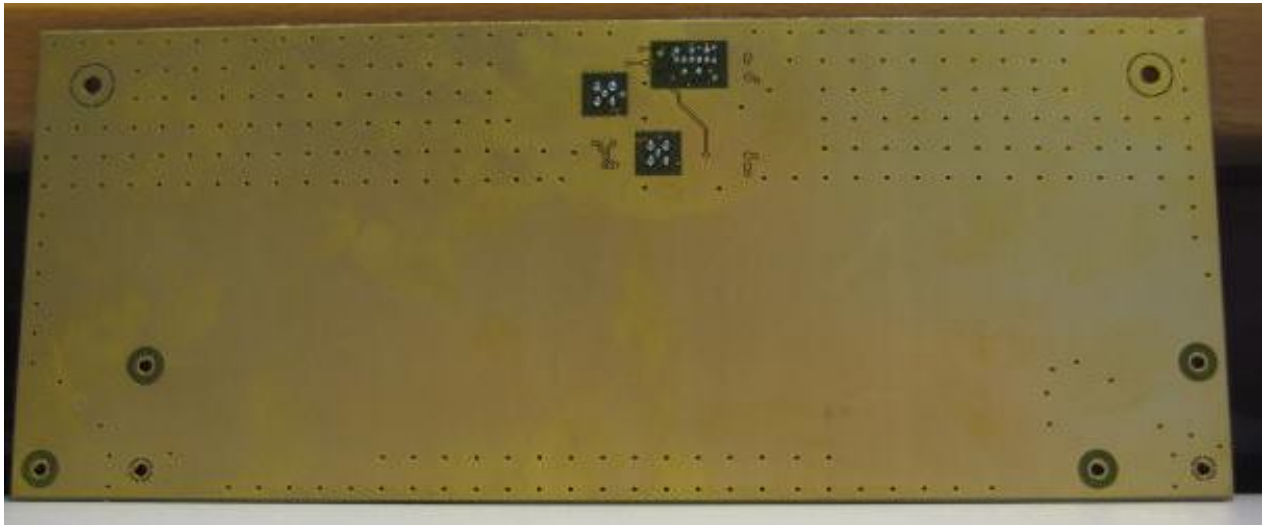


Detail1

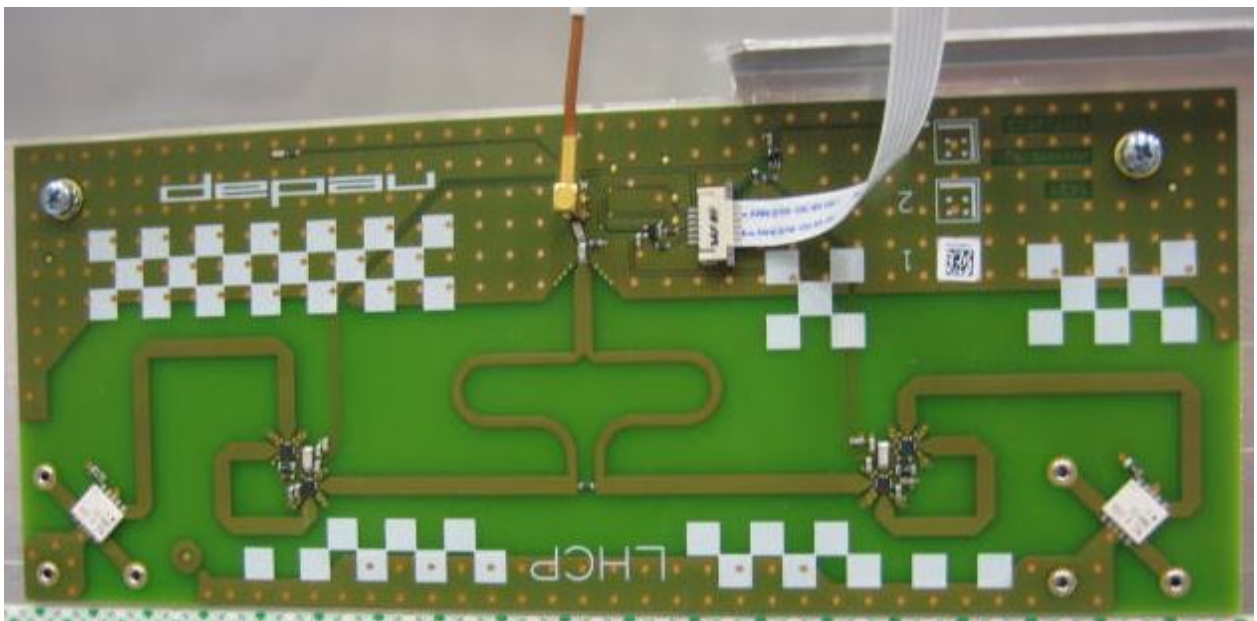


Detail 2

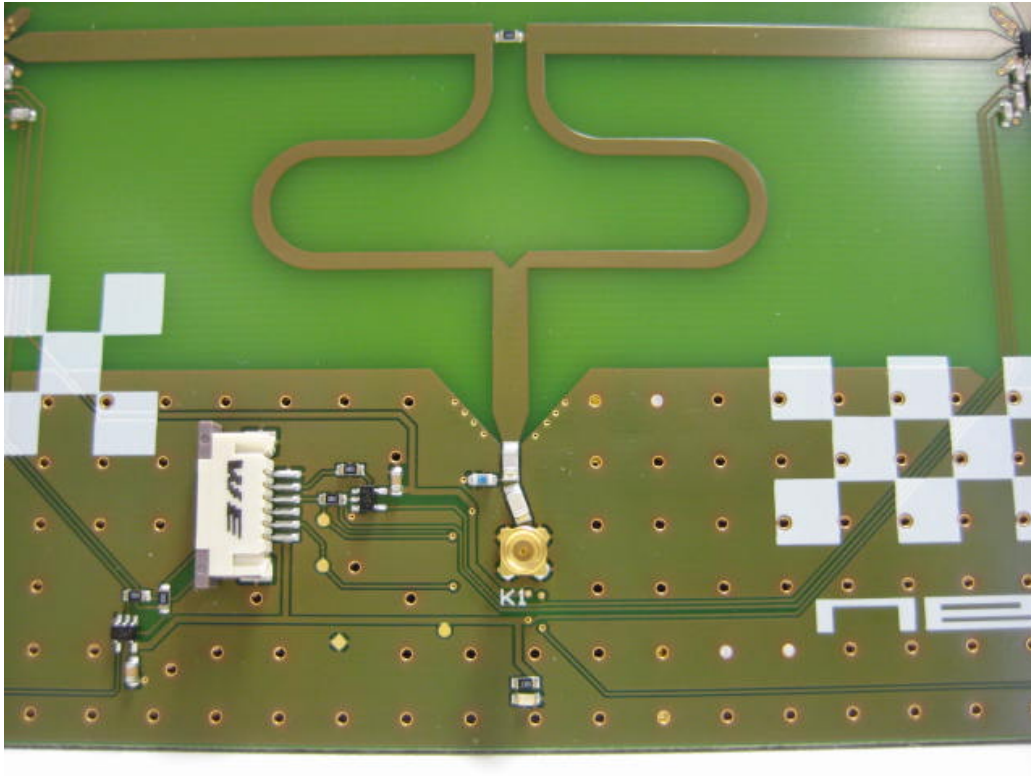
8.3.2. Back side



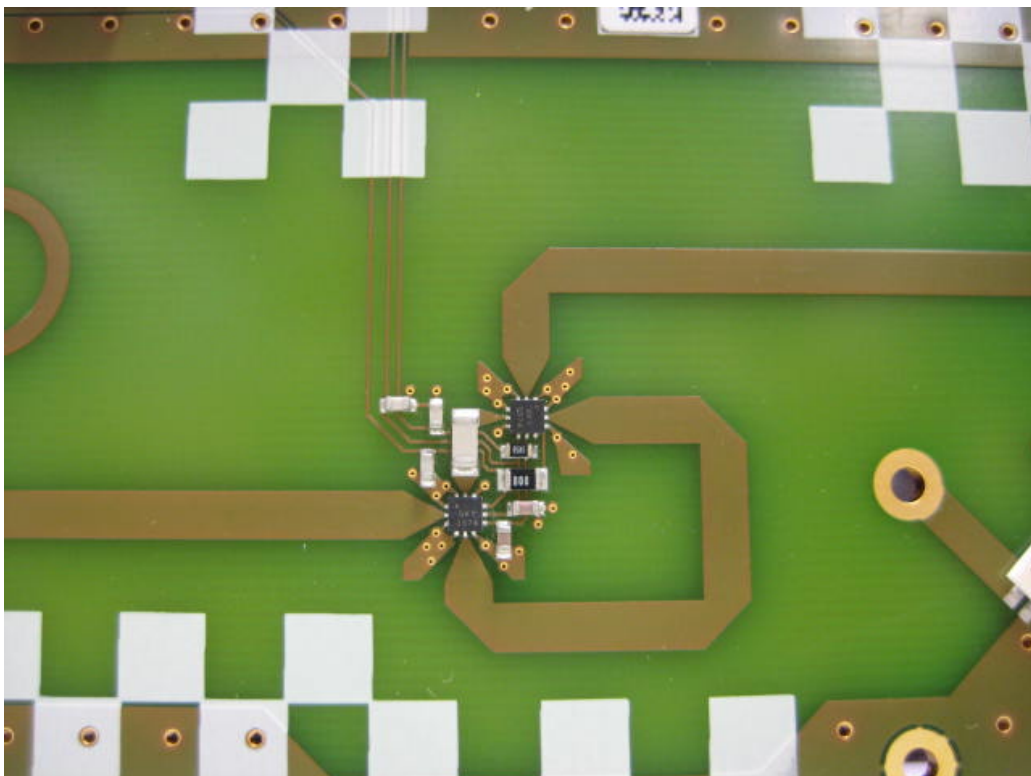
8.3.3. Antenna PCB LHCP



Overview



Detail1



Detail2

8.3.4. Back side