

# Photo report internal components

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

Brand: Nedap

Model: ASSY AD46R RF+RFID

Author	RH
Date	17 September 2017
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	Hybrid Lumen iL45
Model	ASSY AD46R RF+RFID
FCC ID	CGDADRRRFID
IC	1444A-ADRRRFID
Type of service	New Application

**Applicant Information**

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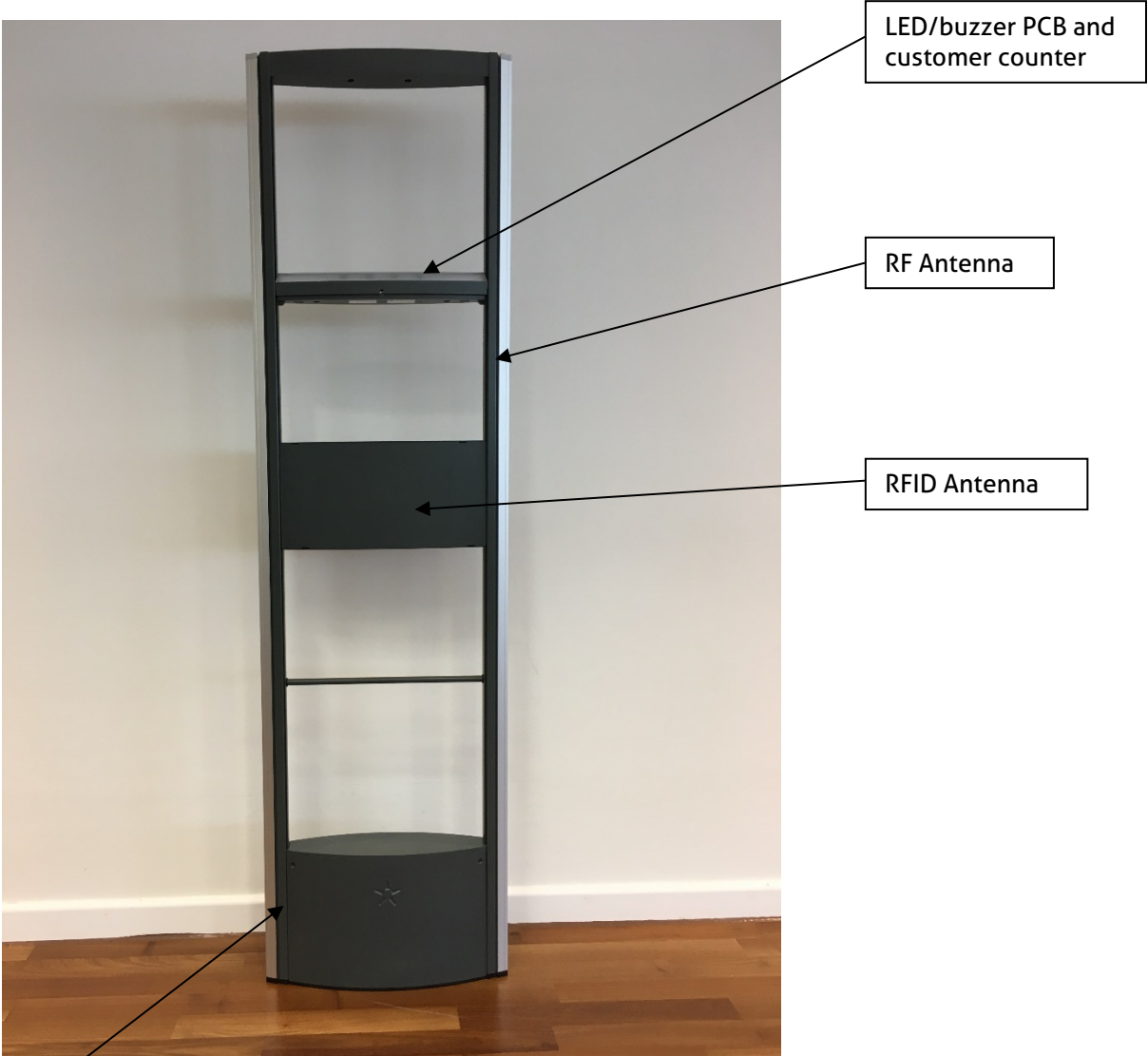
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## 1. Overview AD46R RF+RFID



## 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



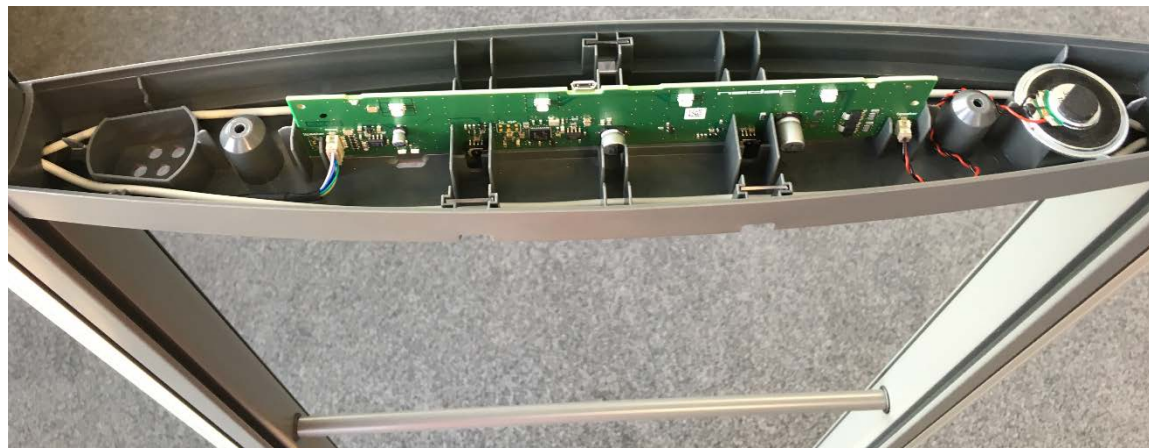
Transparent cover installed

### 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

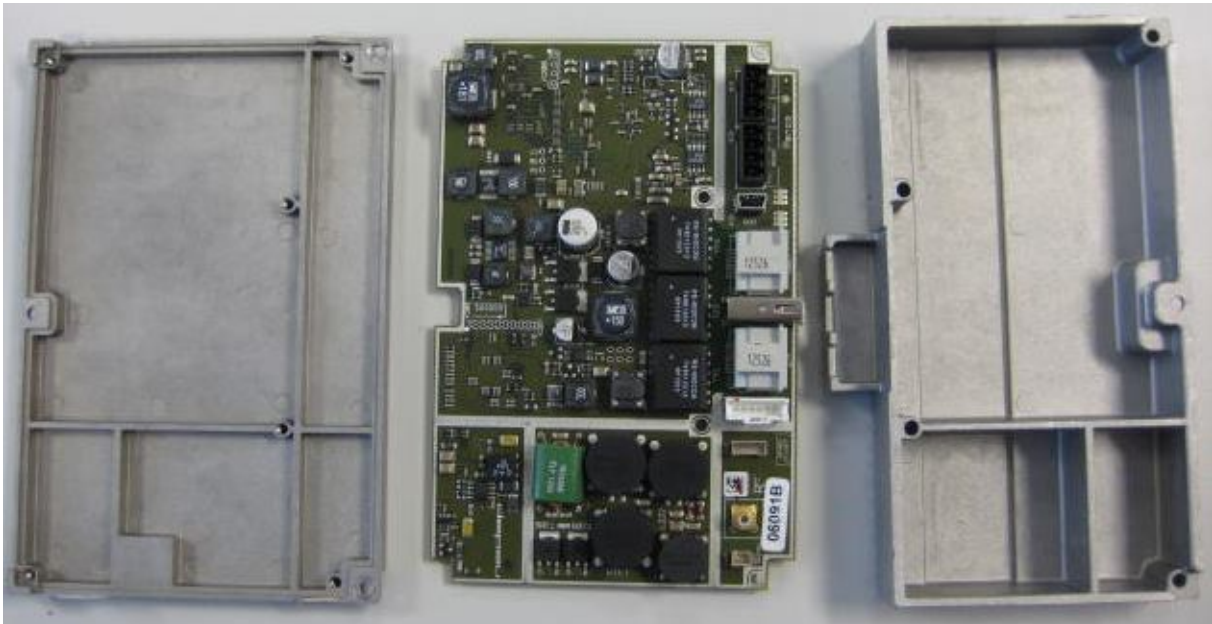


#### 3.2. Back view with metal covers

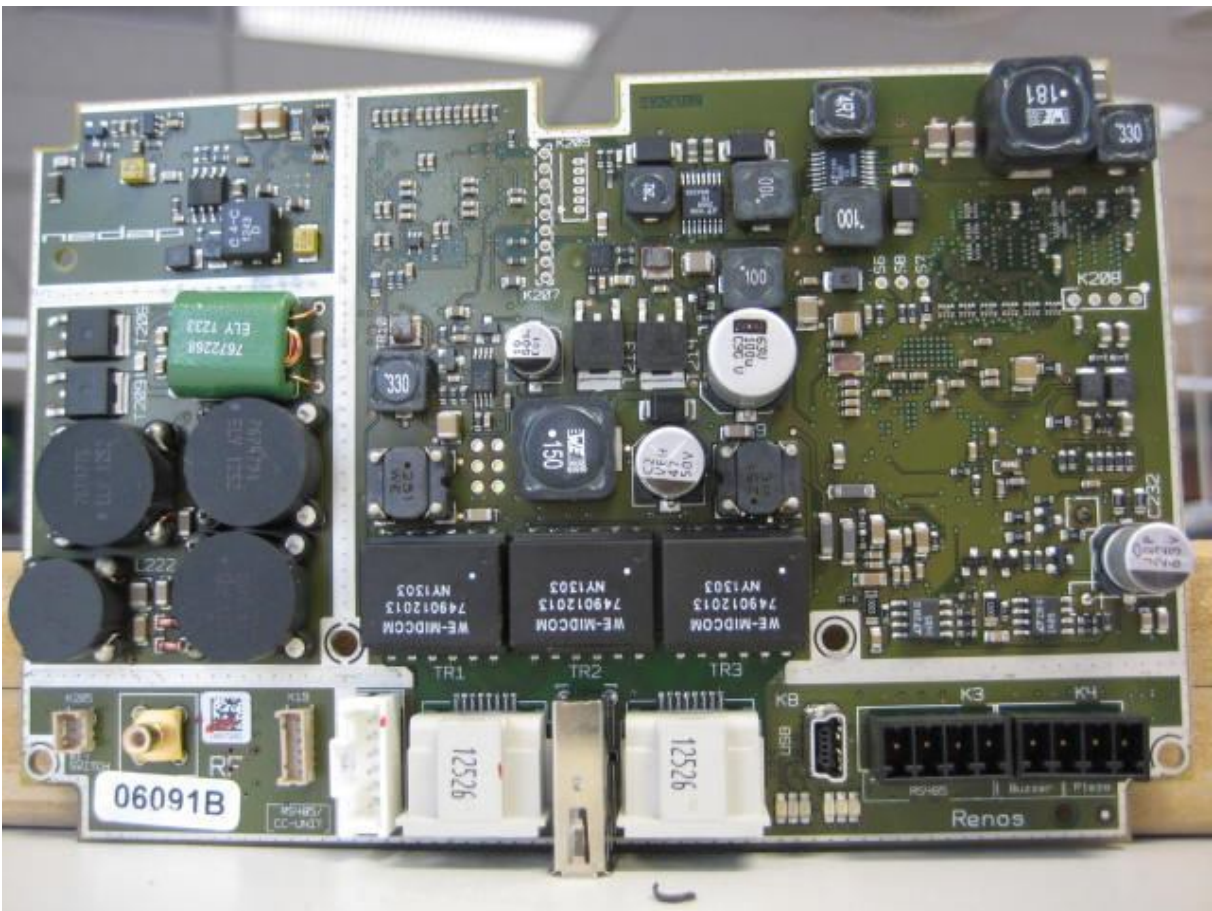




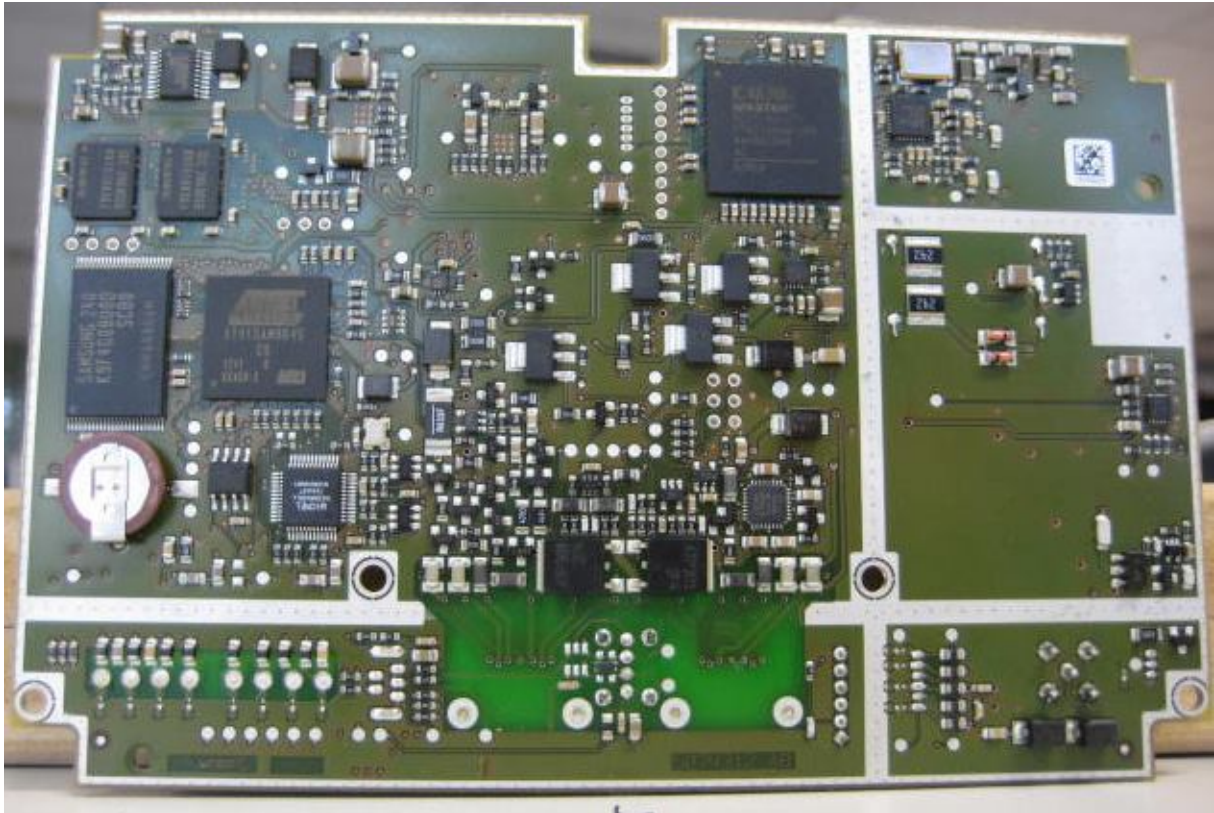
### 3.3. Renos with covers removed



### 3.4. Renos front side PCB

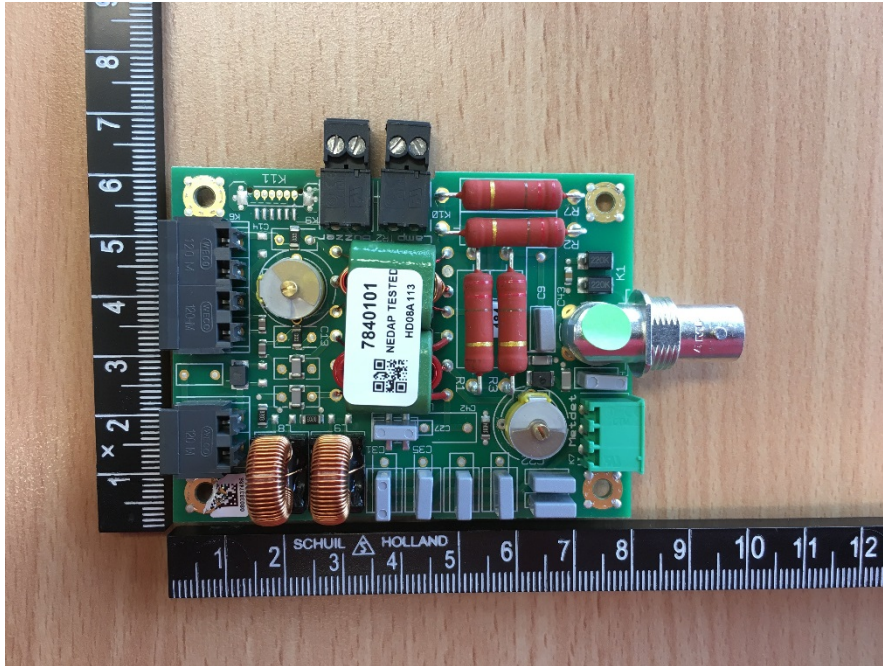


### 3.5. Renos back side PCB

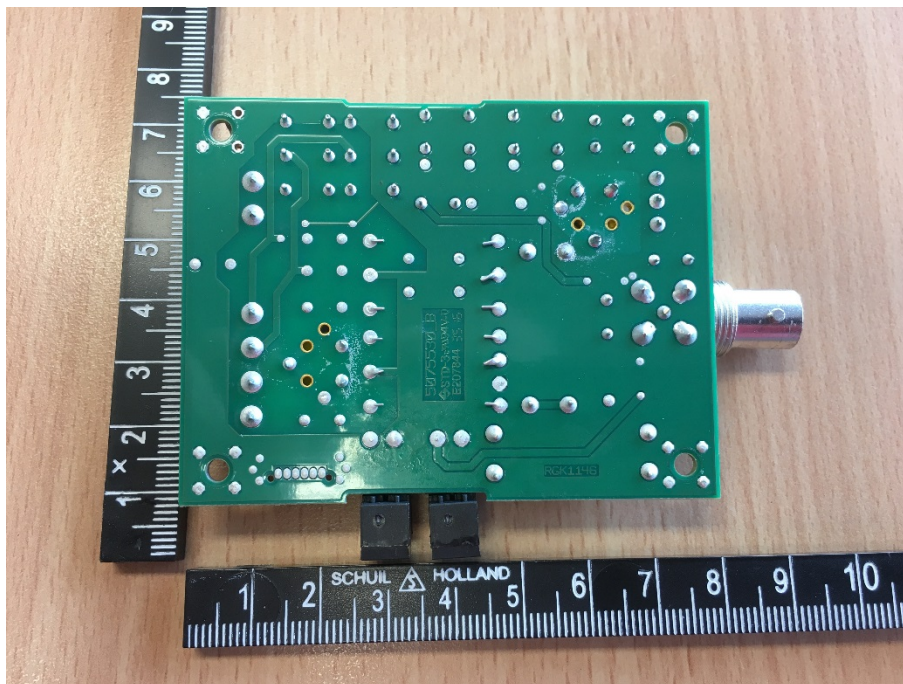


## 4. Antenna matching PCB

### 4.1. Front view

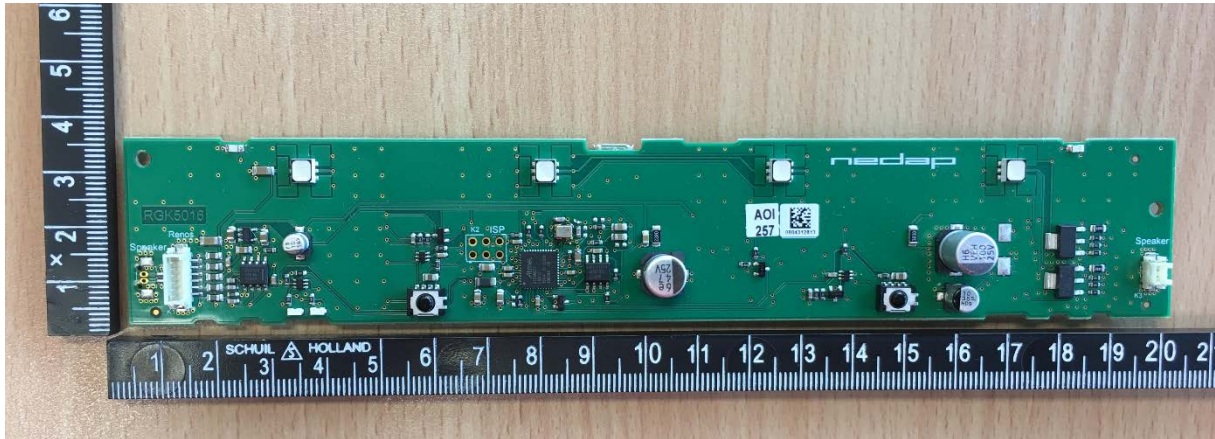


### 4.2. Back view

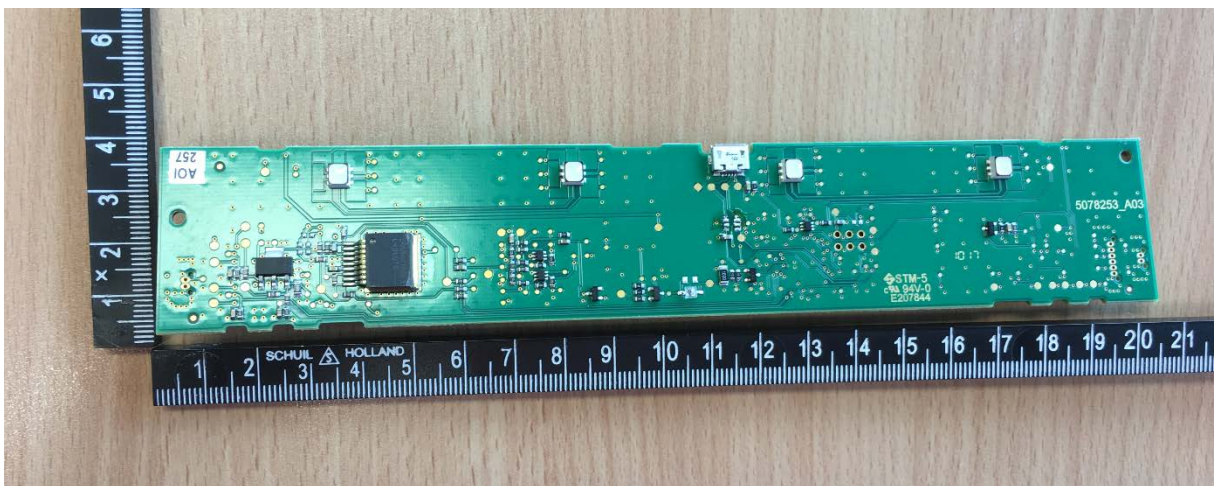


## 5. LED/buzzer and customer counter PCB

### 5.1. Front view



### 5.2. Back view



## 6. RFID 902-928MHz transmitter/Receiver

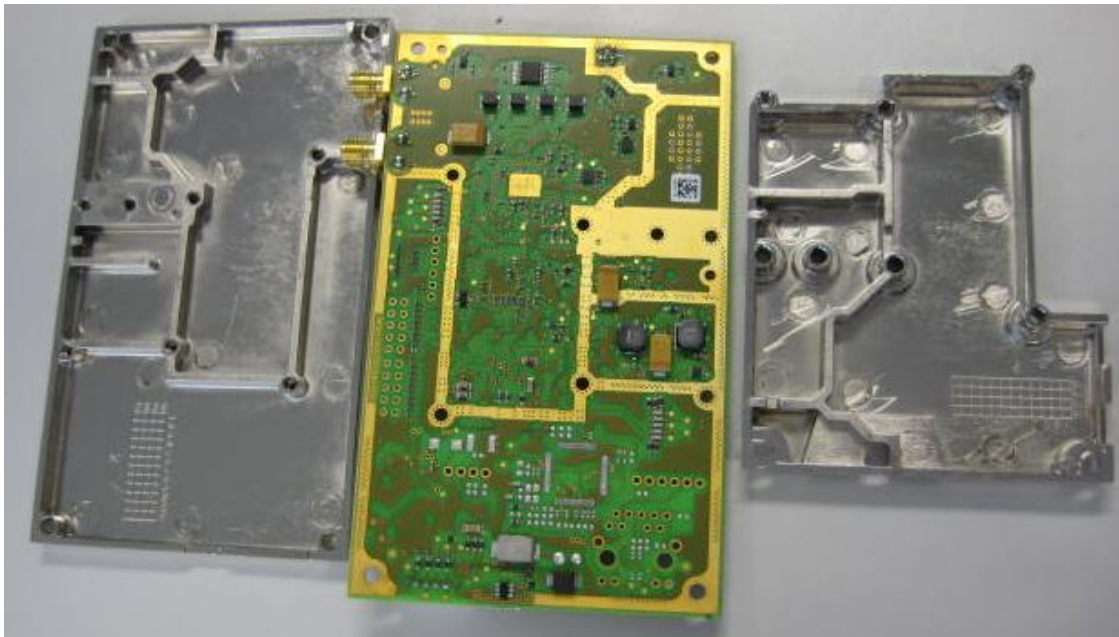
### 6.1. Front side with metal cover



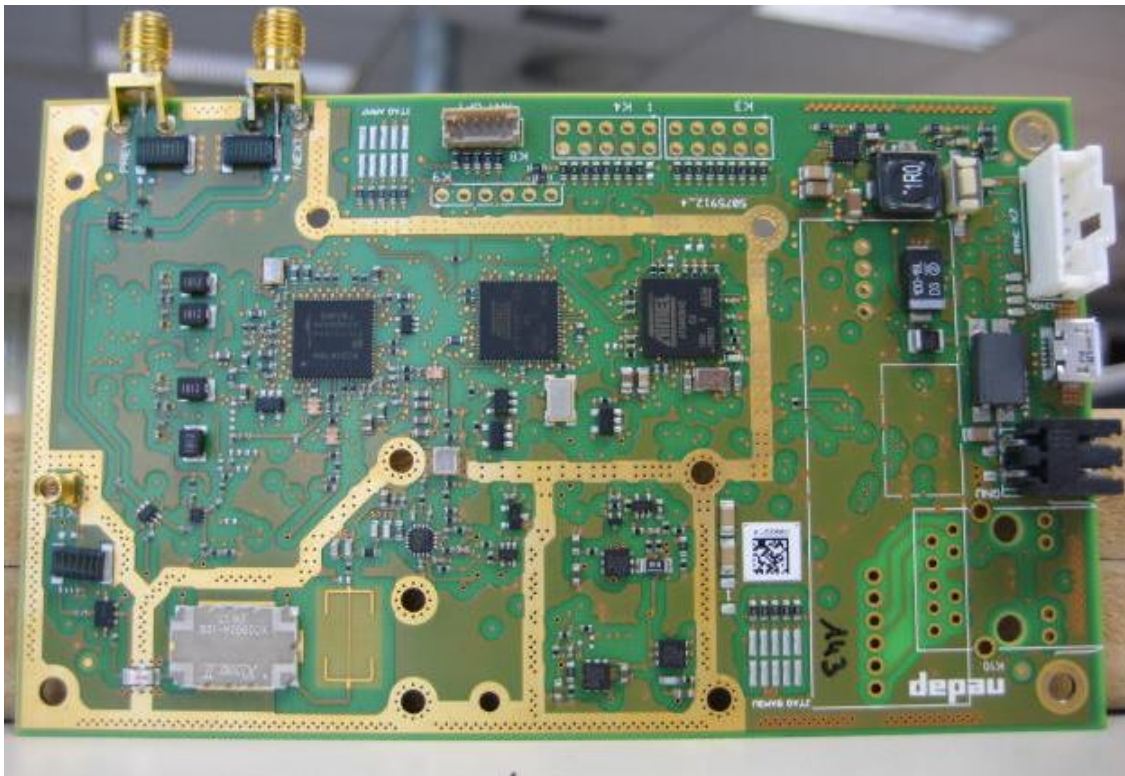
### 6.2. Backside with metal cover



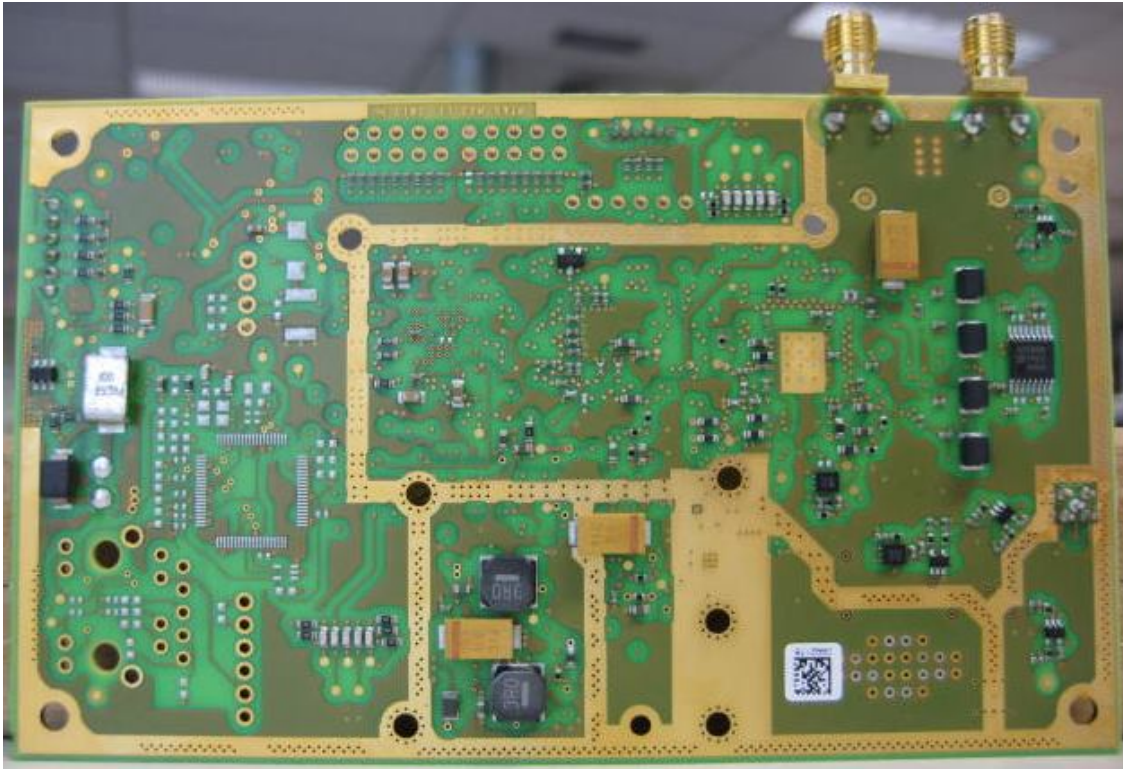
### 6.3. ID reader covers removed



### 6.4. PCB Front side



## 6.5. PCB Back side

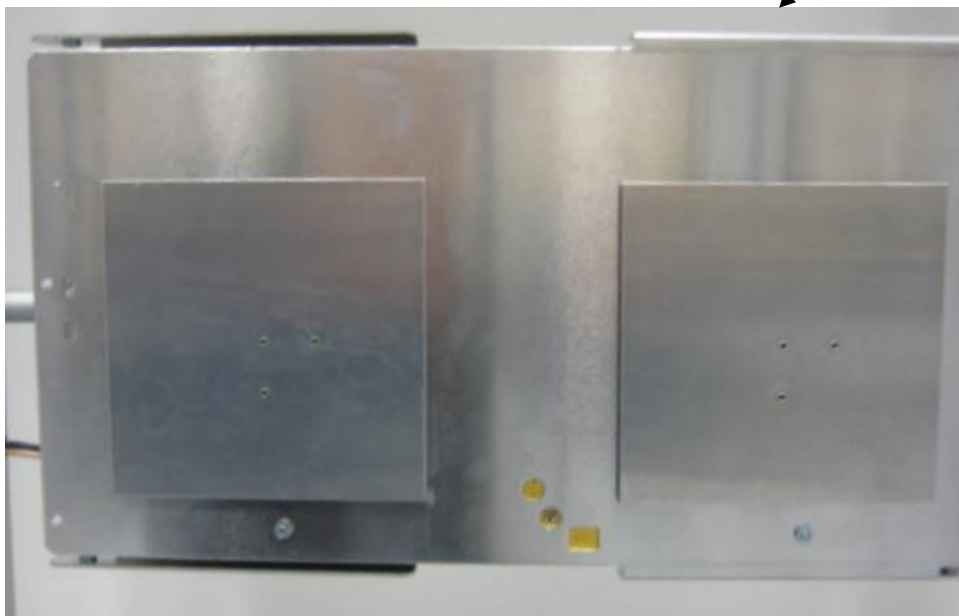


## 7. Antenna information 902-928 MHz part

### 7.1. Front side antennae



Cover removed

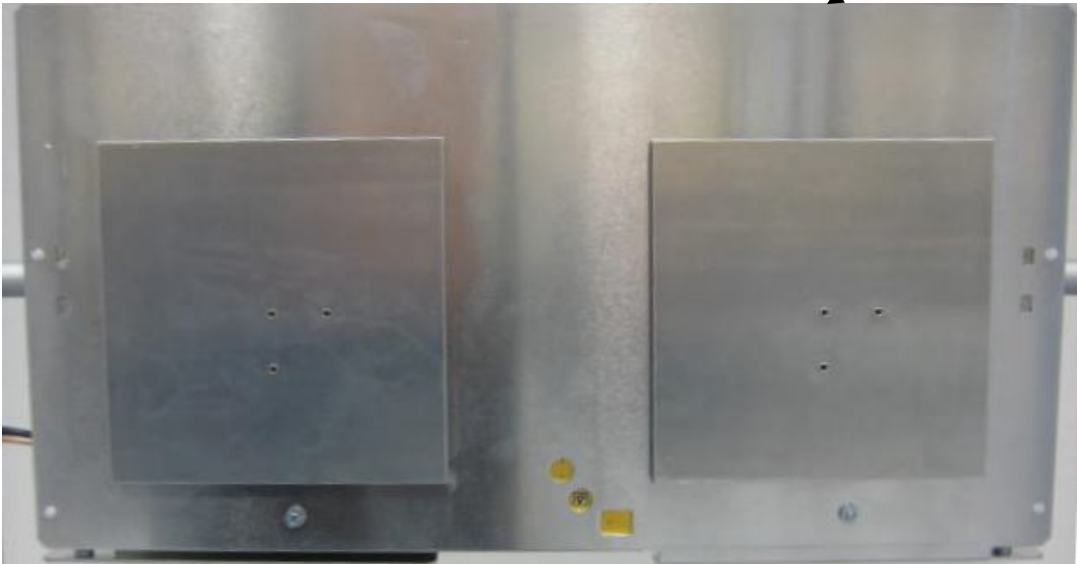




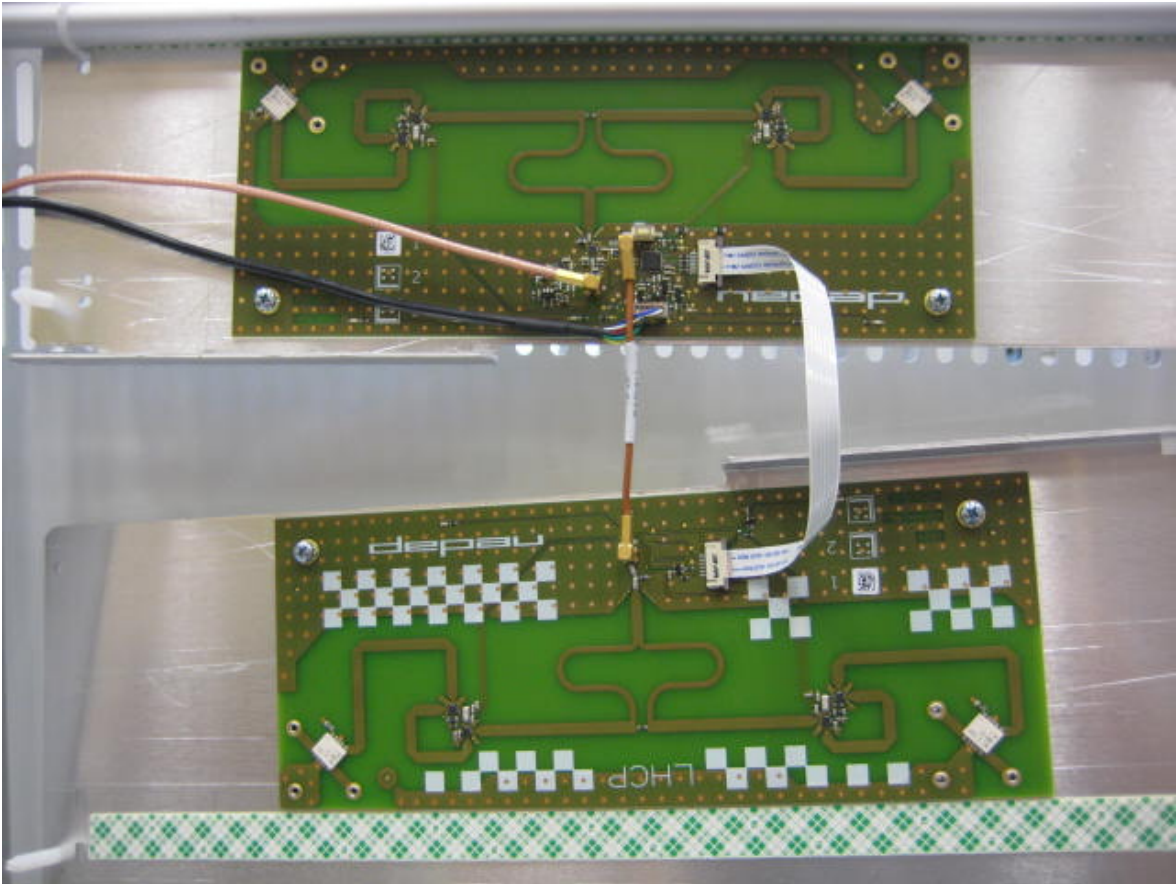
### 7.2. Backside antennae



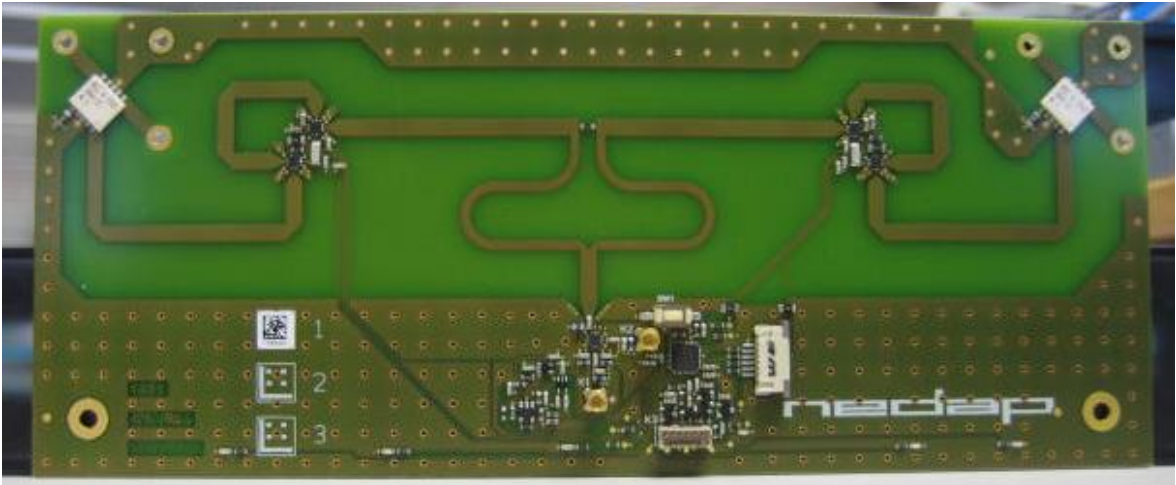
Cover removed



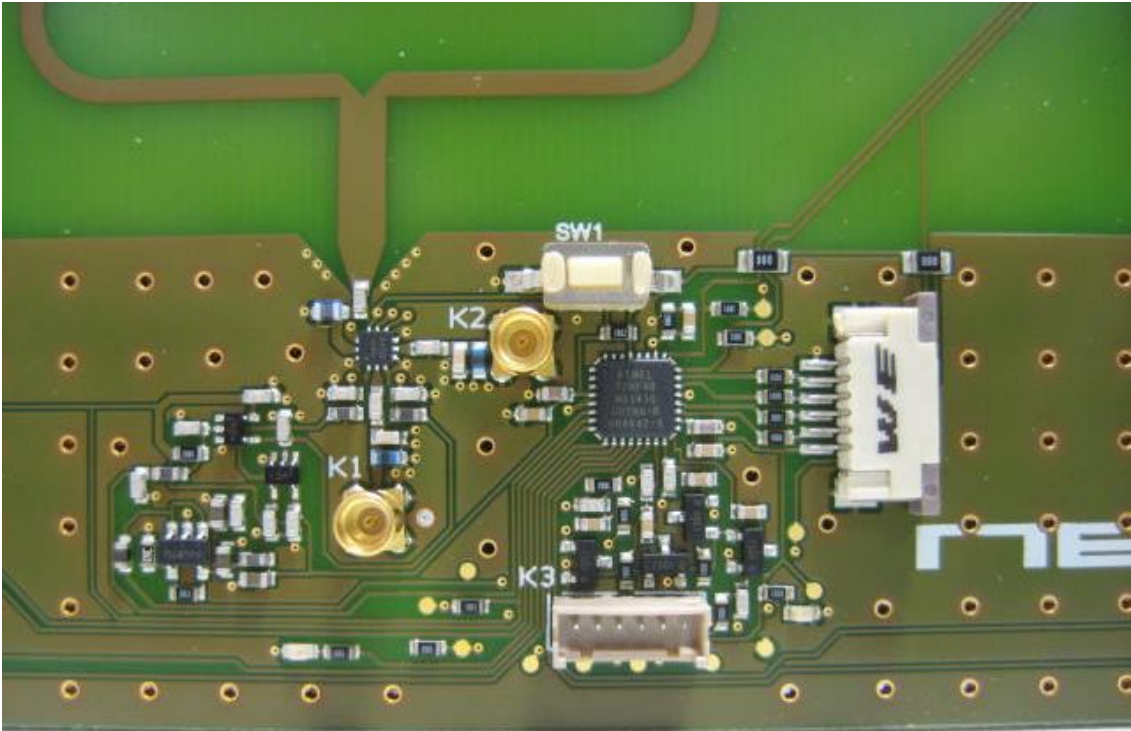
### 7.3. Antenna Printed Circuit Boards



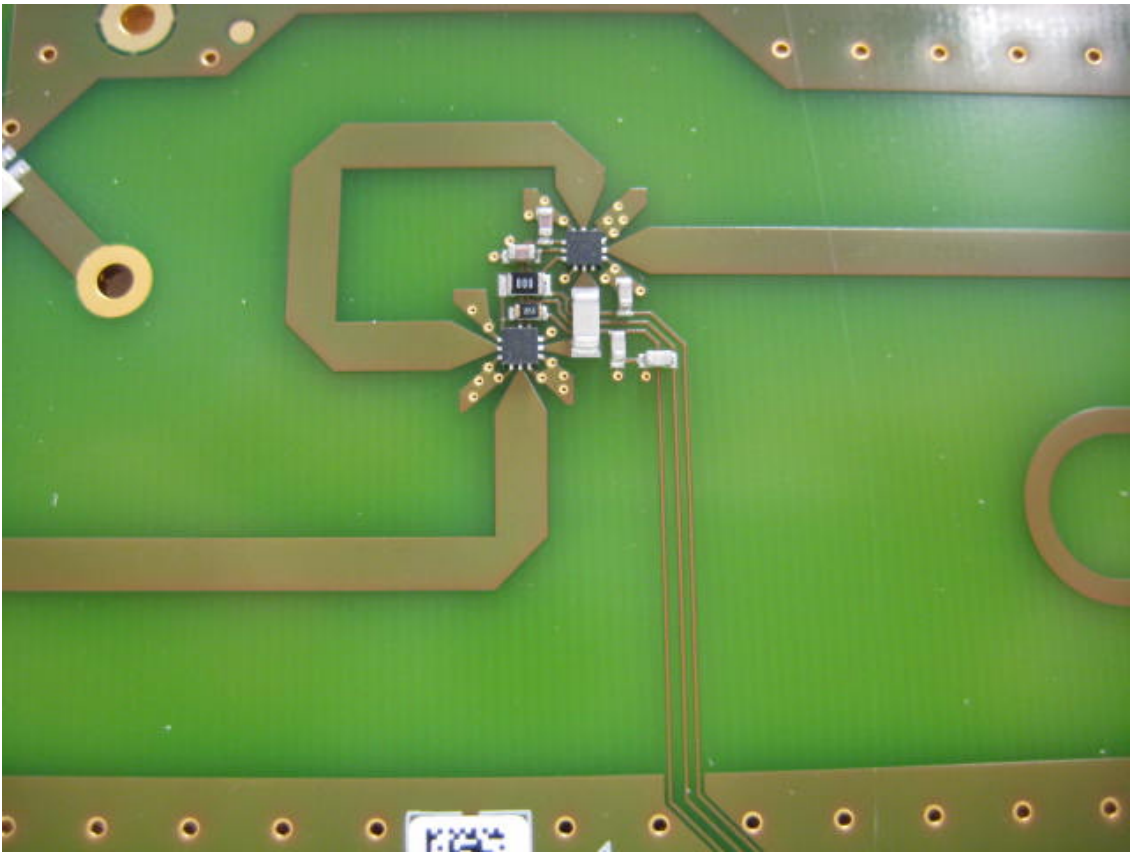
#### 7.3.1. Antenna PCB RHCP



Overview

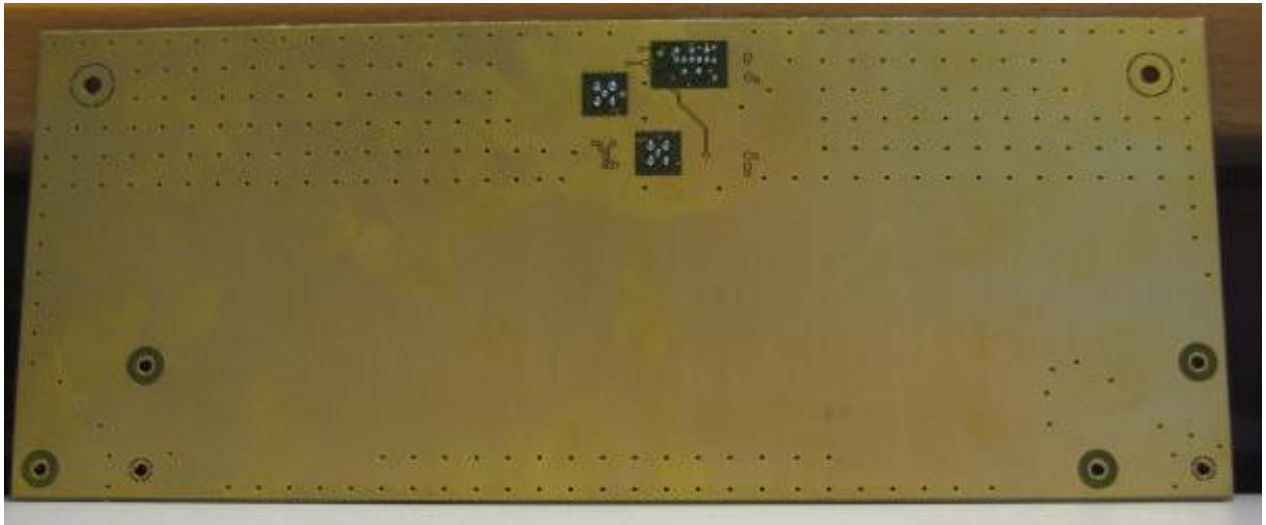


Detail1

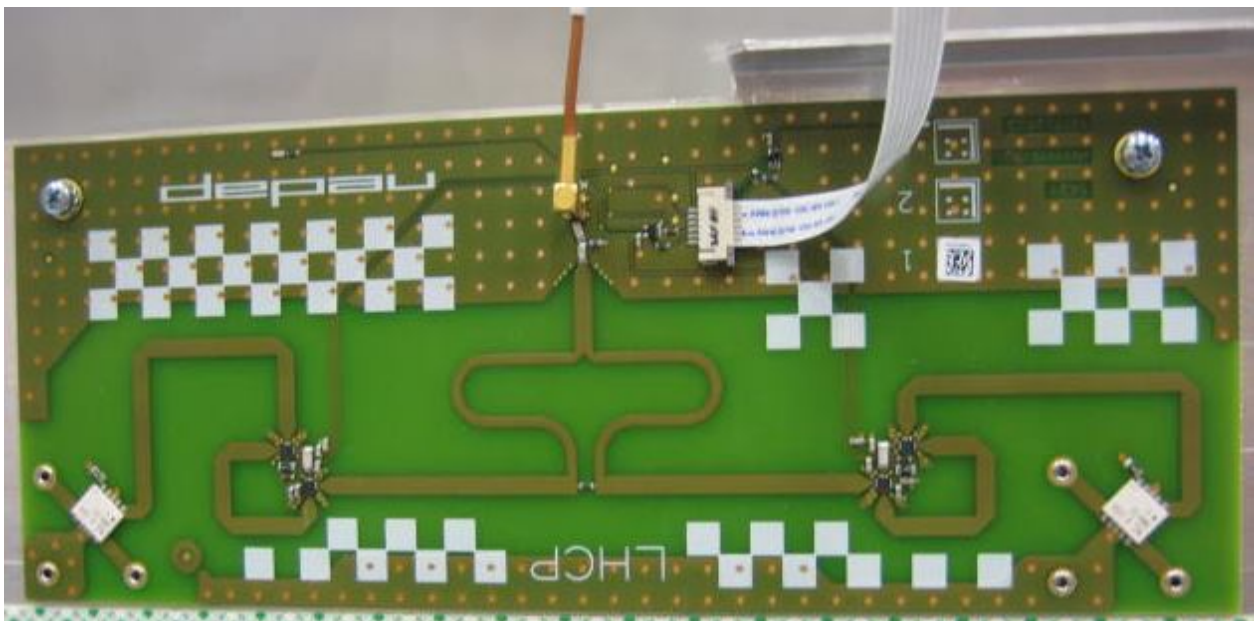


Detail 2

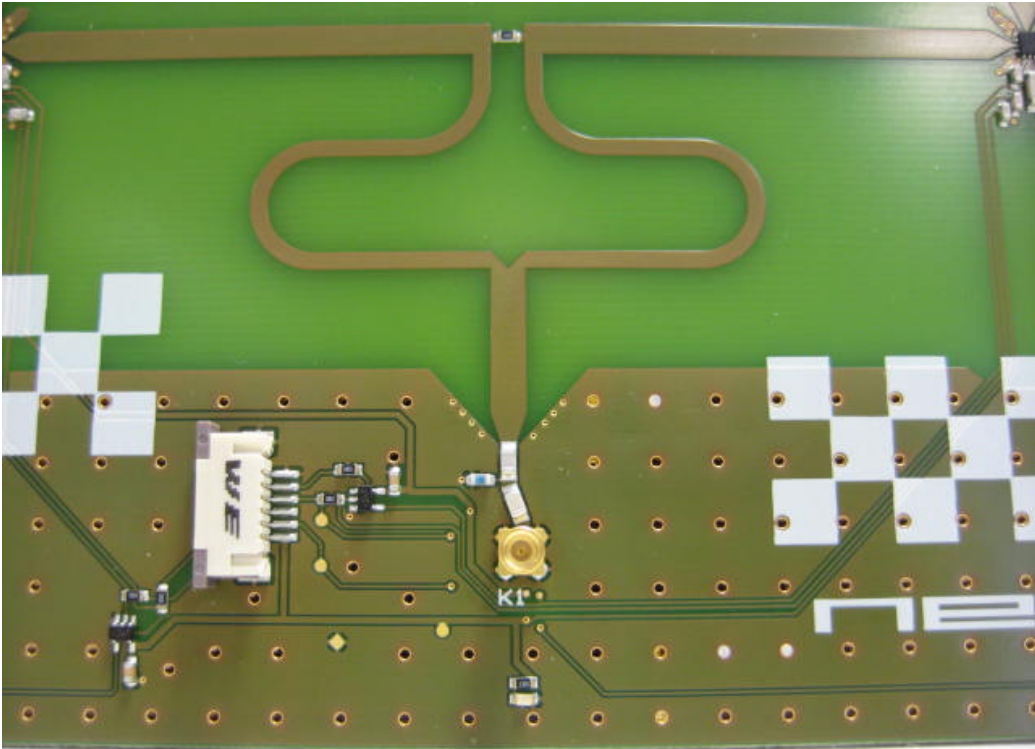
### 7.3.2. Back side



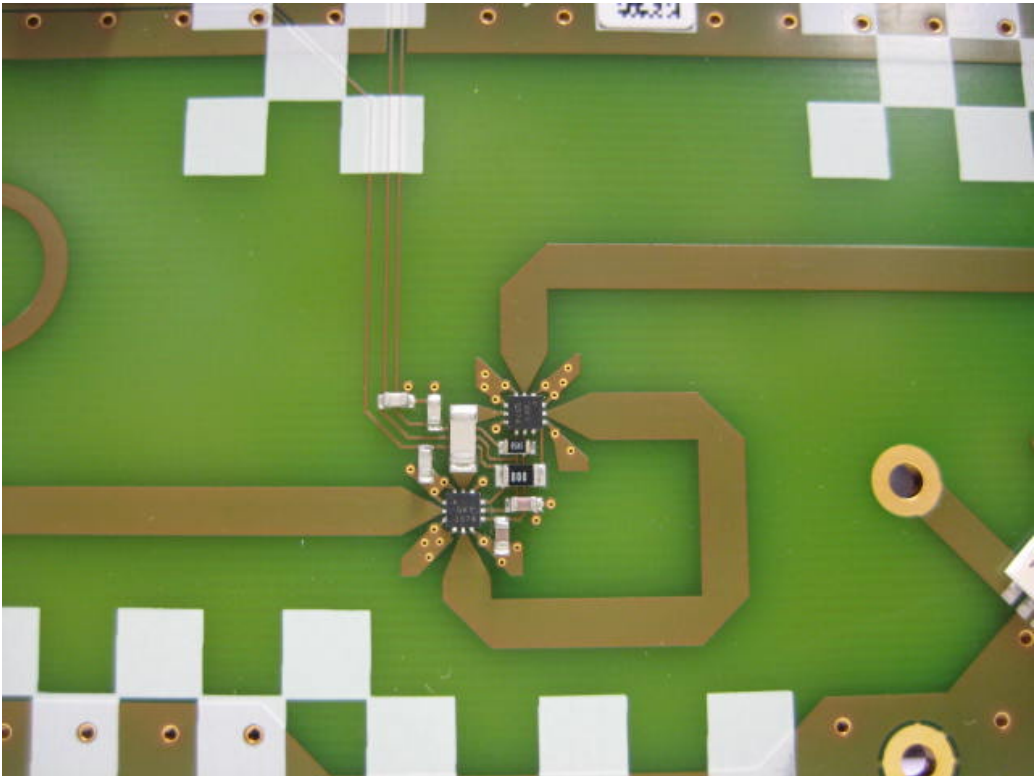
### 7.3.3. Antenna PCB LHCP



Overview



Detail1



Detail2

### 7.3.4. Back side

