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**UHF Reader with antenna FL45 operating on  
902-928 MHz including an Anti-Pilferage System  
operating in the band 7.400 – 8.800 MHz and a metal  
detection module operating on 125 kHz  
Brand Nedap  
Model: ASSY RF+MD+RFID  
Interior Photographs**

Description of EUT: UHF Reader with antenna FL45 operating on 902-928 MHz including an Anti-Pilferage System operating in the band 7.400-8.800 MHz and a metal detection module operating on 125 kHz  
Manufacturer: N.V. Nederlandse Apparatenfabriek "Nedap"  
Brand mark: Nedap  
Model: ASSY FLR RF+MD+RFID  
FCC ID: CGDFLRRFMDRFID  
IC: 1444A-FLRRFMDRFID  
Type of Application: New Application

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**Description of item**

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FCC ID : CGDFLRRFMDRFID  
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Type of Service : New Application

**Applicant information**

Applicant's representative : Mr. Jacques Hulshof  
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

03 September 2014

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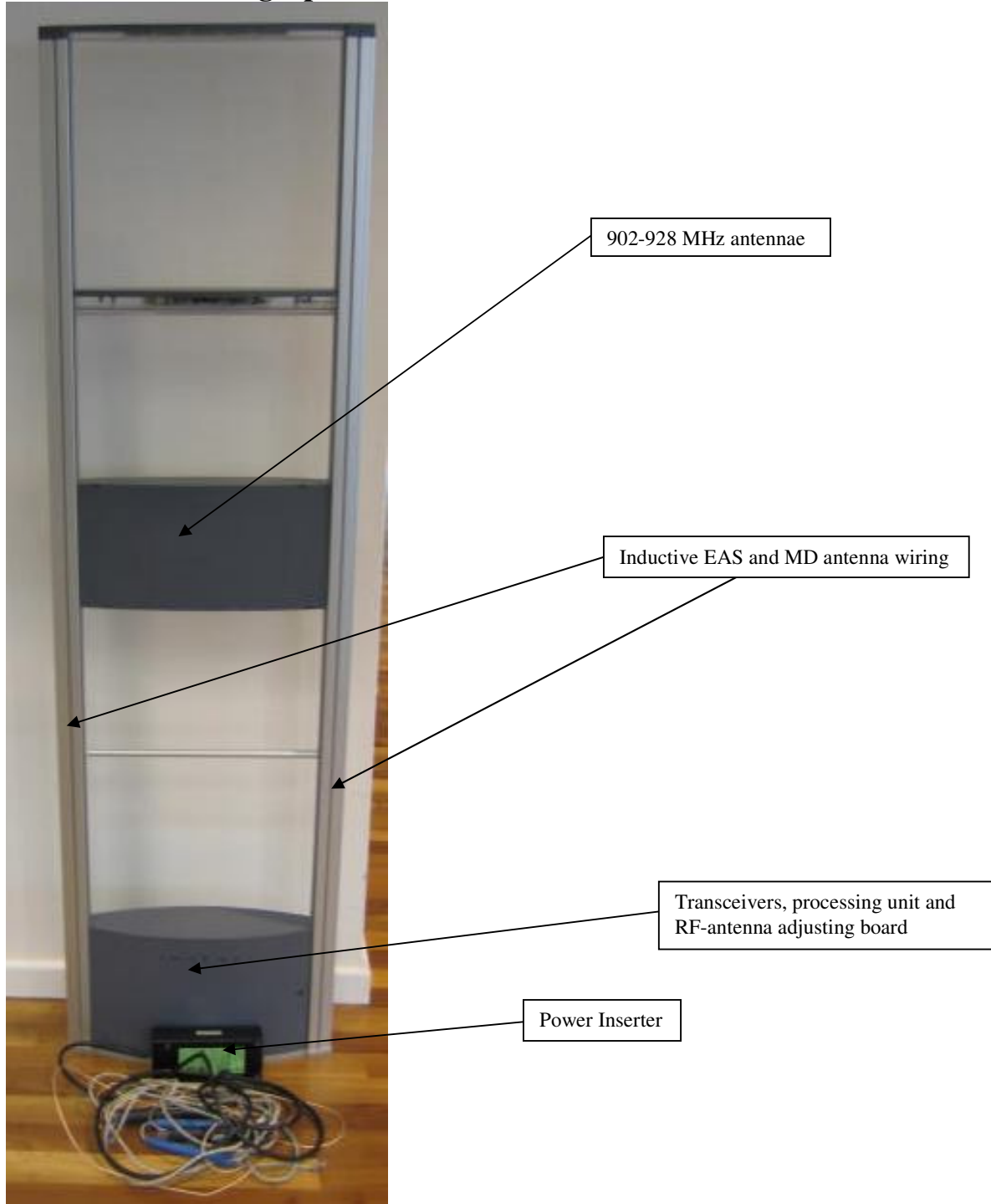
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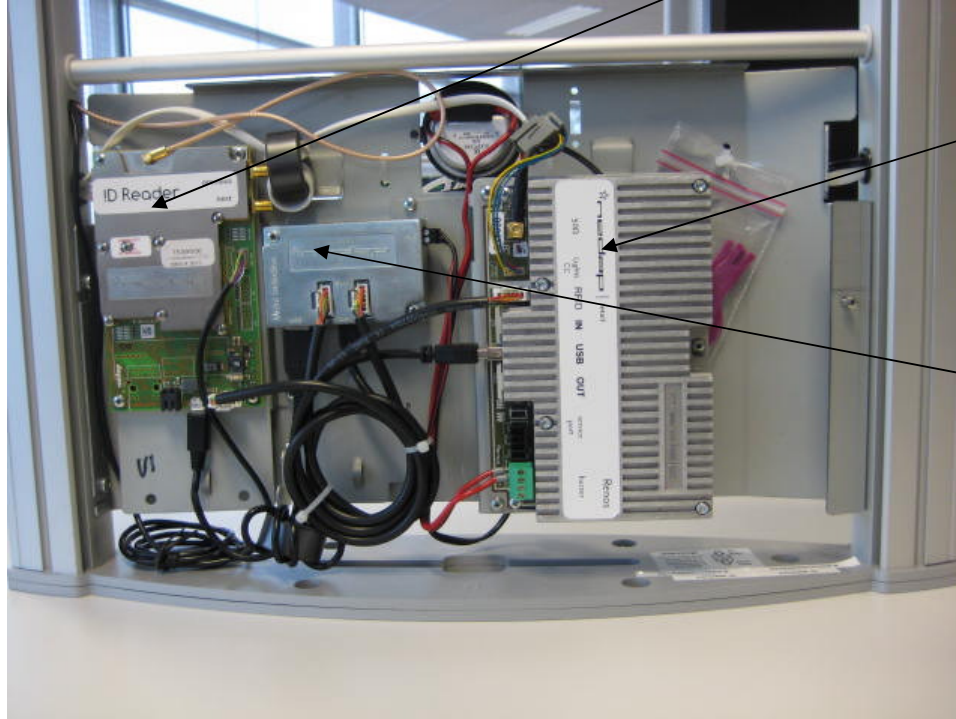
## 1 External Photograph



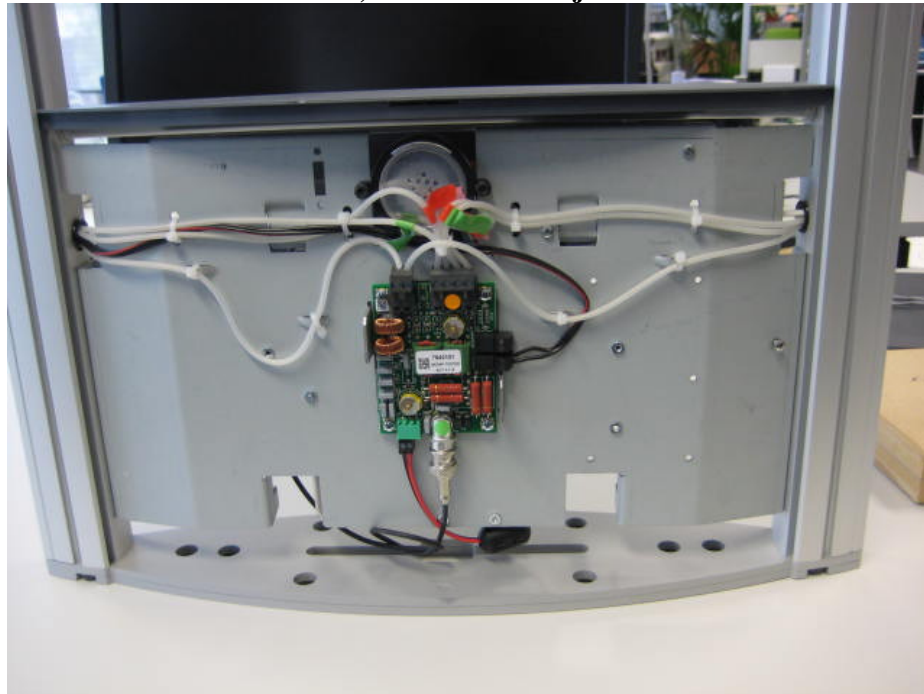
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## 2 Internal pictures

### 2.1 Front cover removed



### 2.2 Back cover removed, RF-Antenna adjustment board



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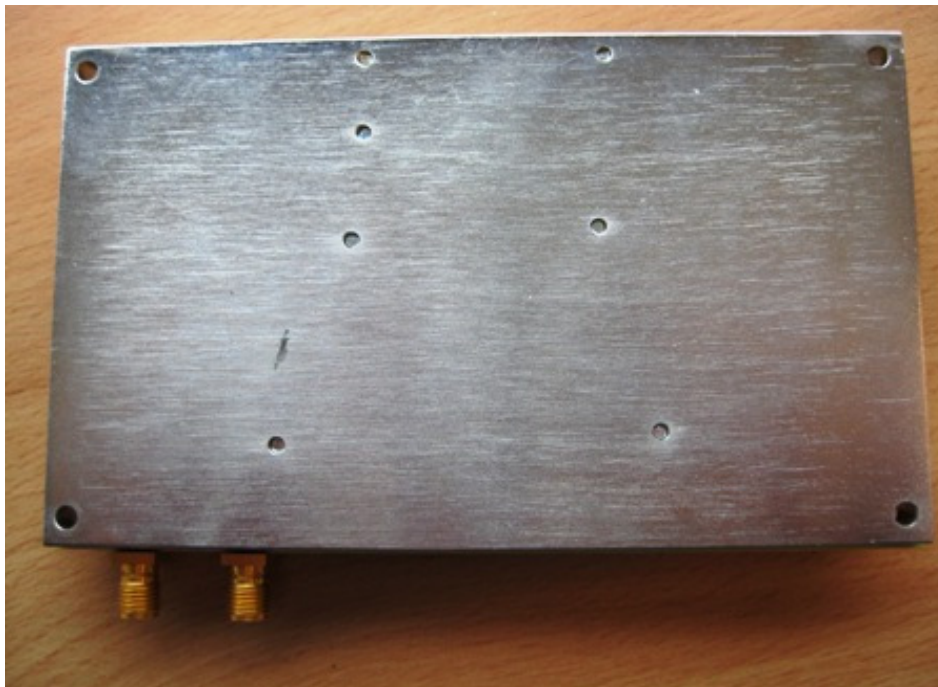
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### 3 902-928 MHz transceiver

#### 3.1 Front side with metal cover



#### 3.2 Backside with metal cover





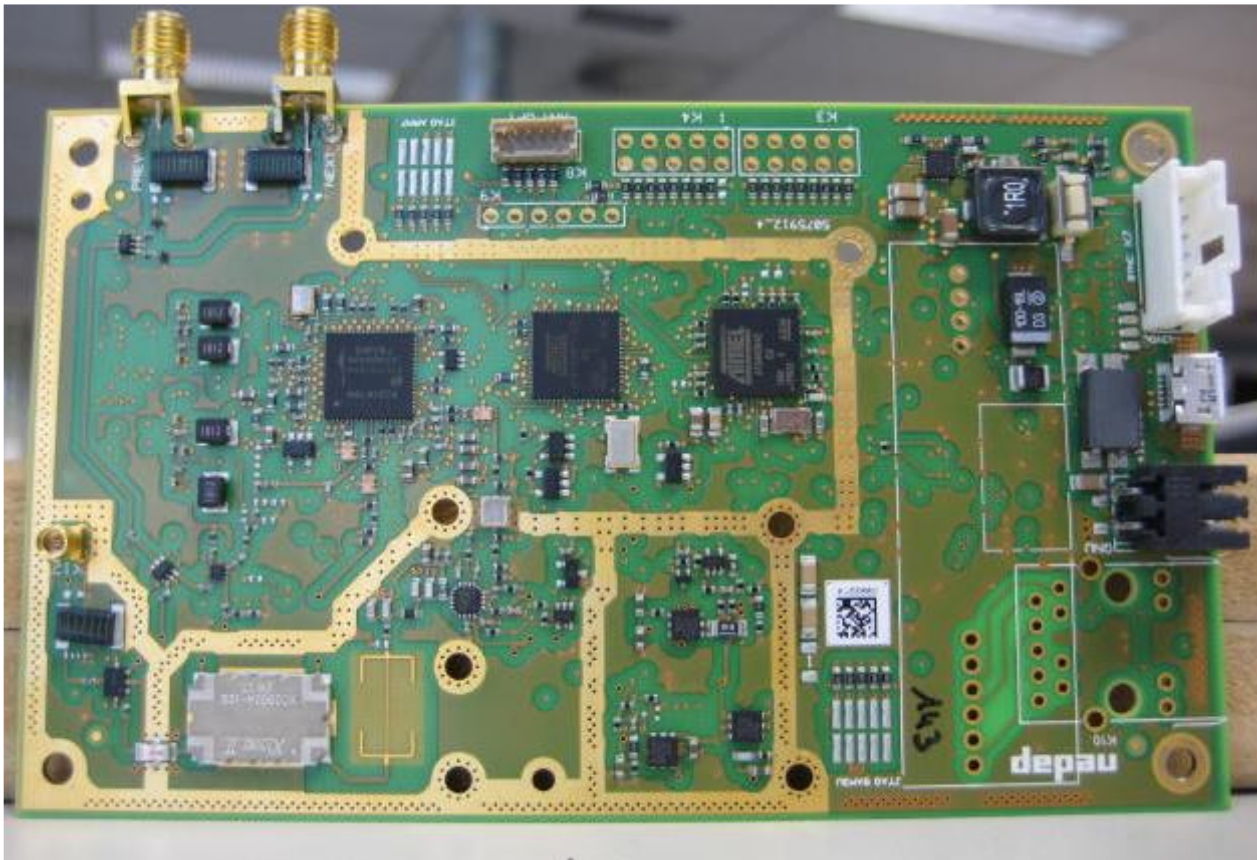
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### 3.3 ID reader dismantled



### 3.4 Front side

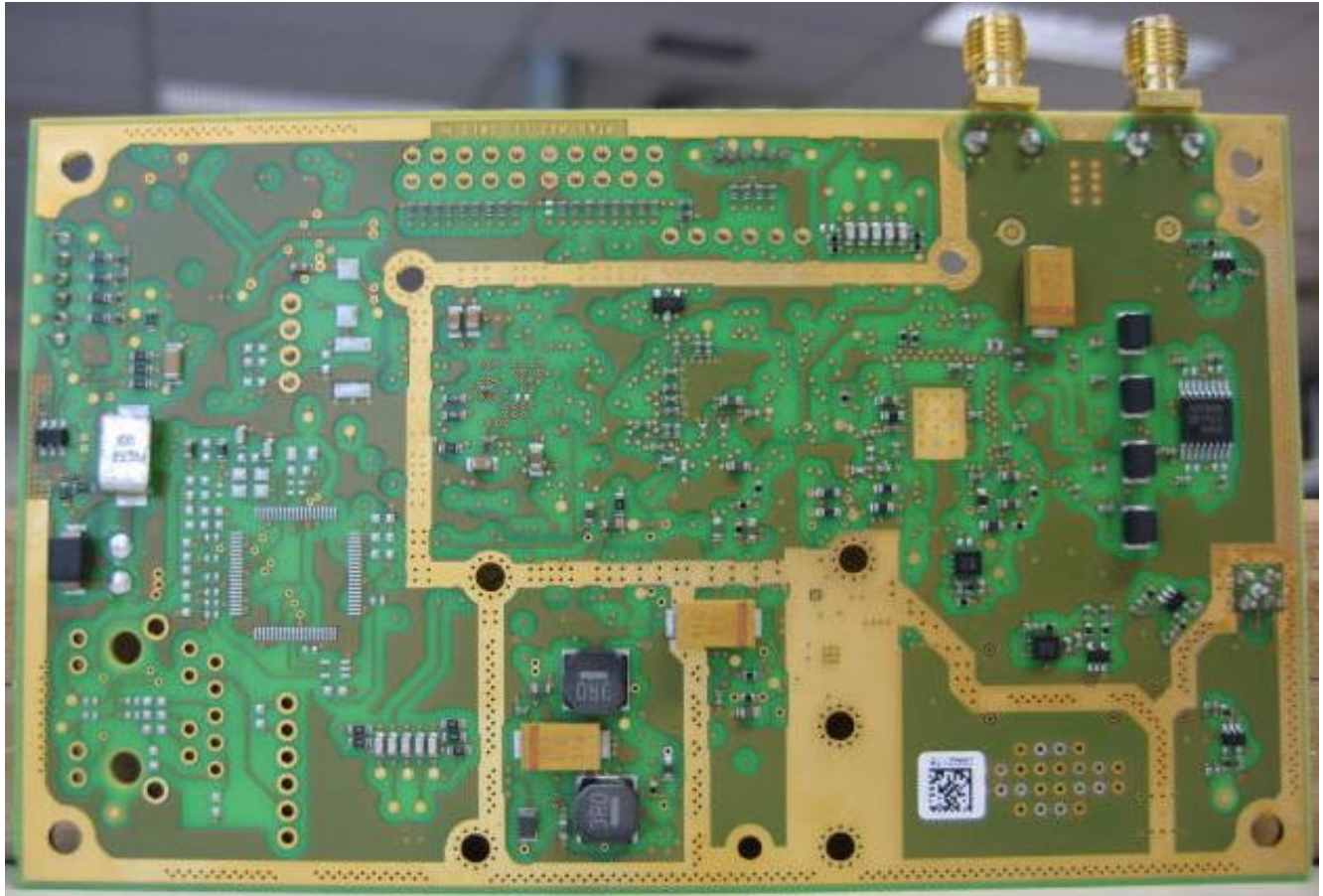




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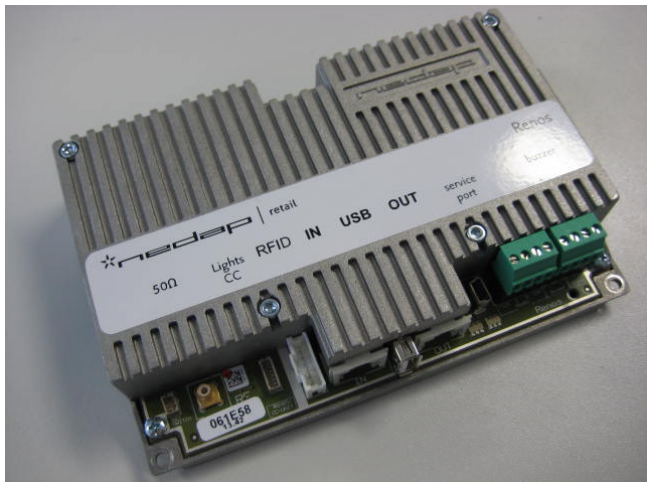
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### 3.5 Back side



## 4 Processing unit – Renos including EAS 8.2 MHz transmitter

### 4.1 With metal cover



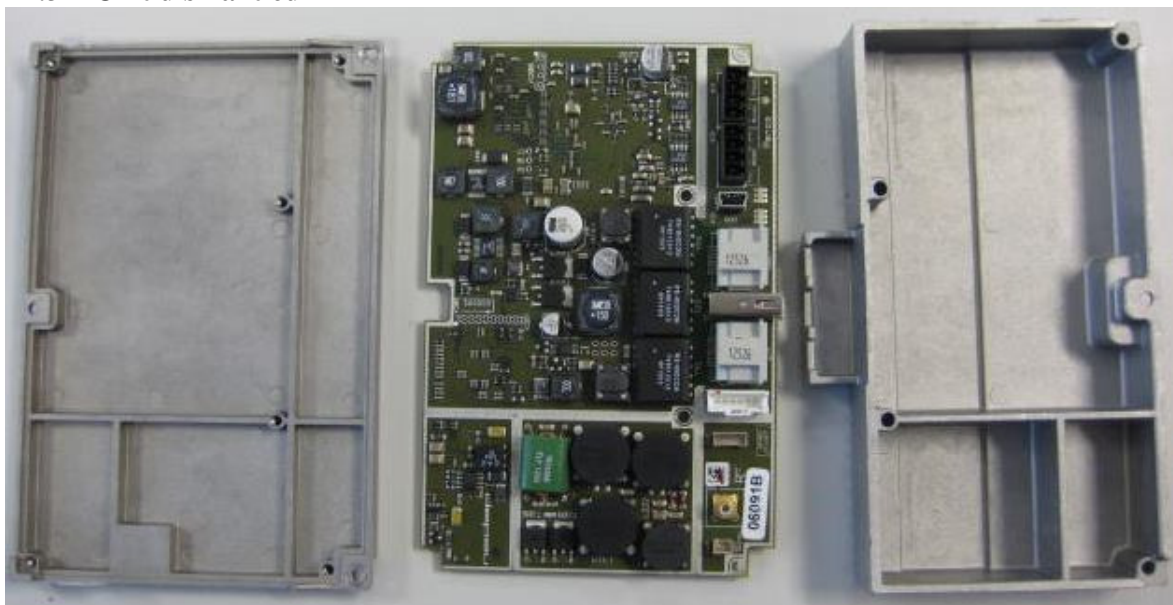
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#### 4.2 Back side with metal cover



#### 4.3 Unit dismantled

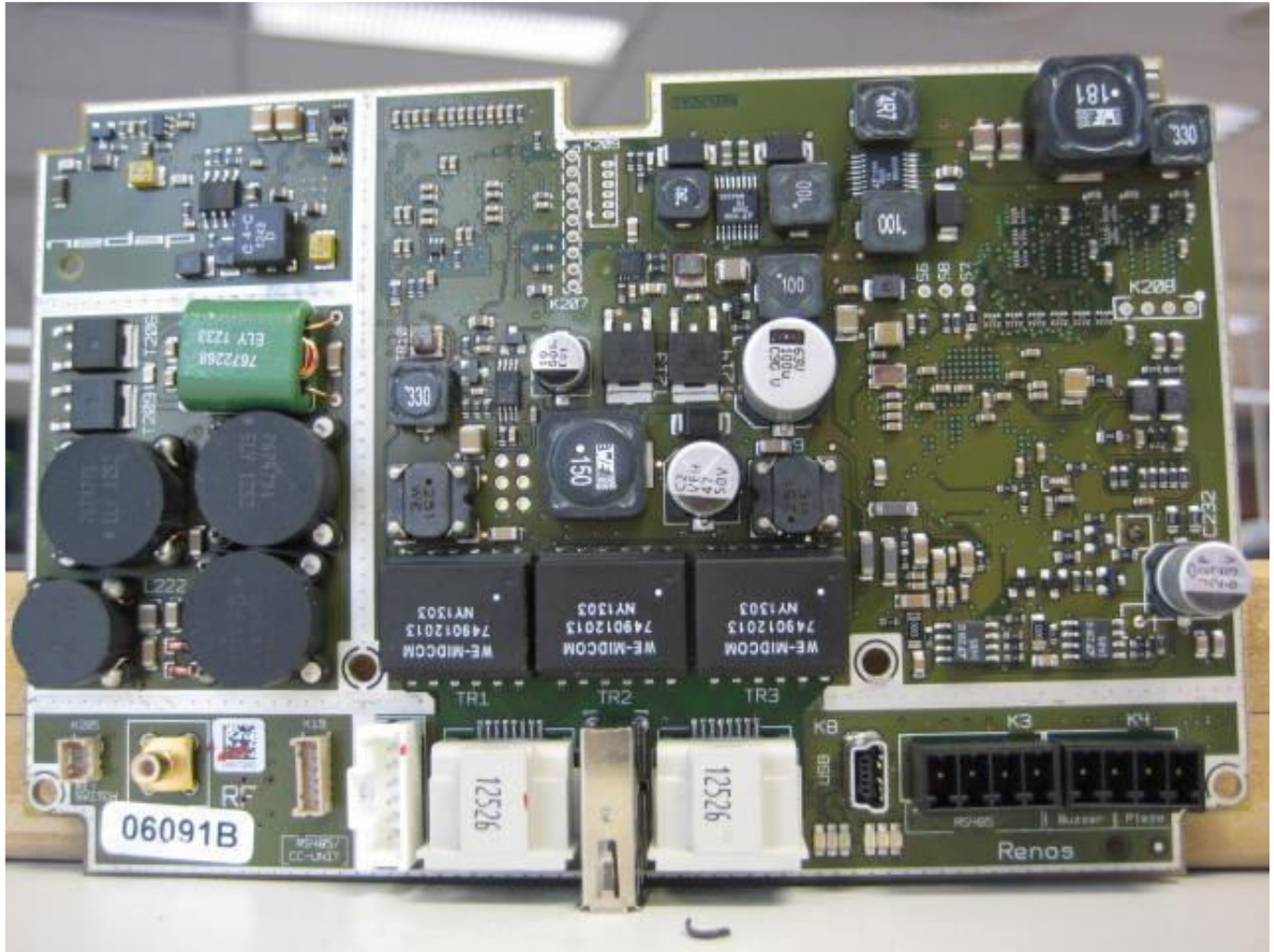




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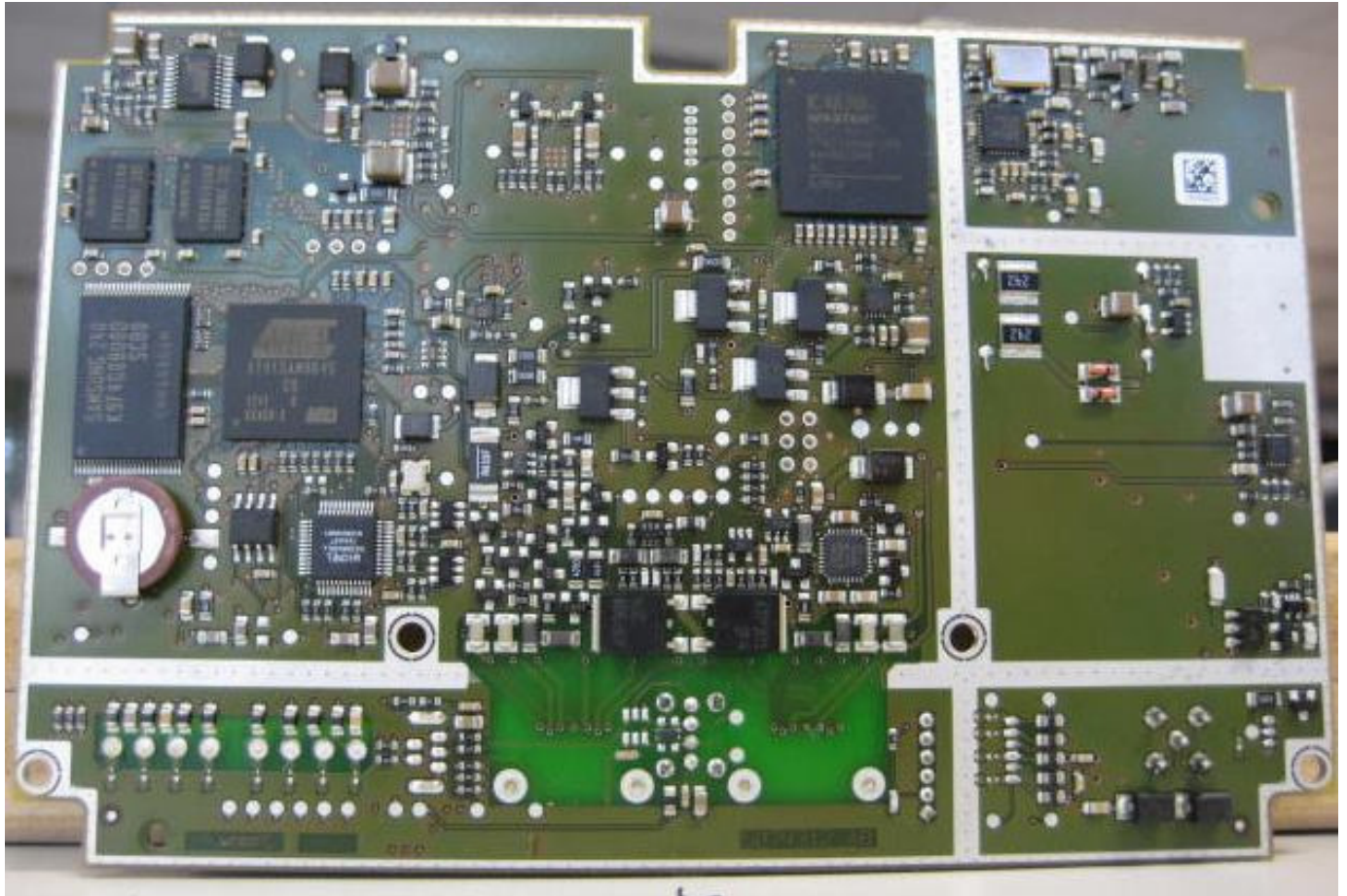
#### 4.4 Front side Printed Circuit Board



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#### 4.5 Back side



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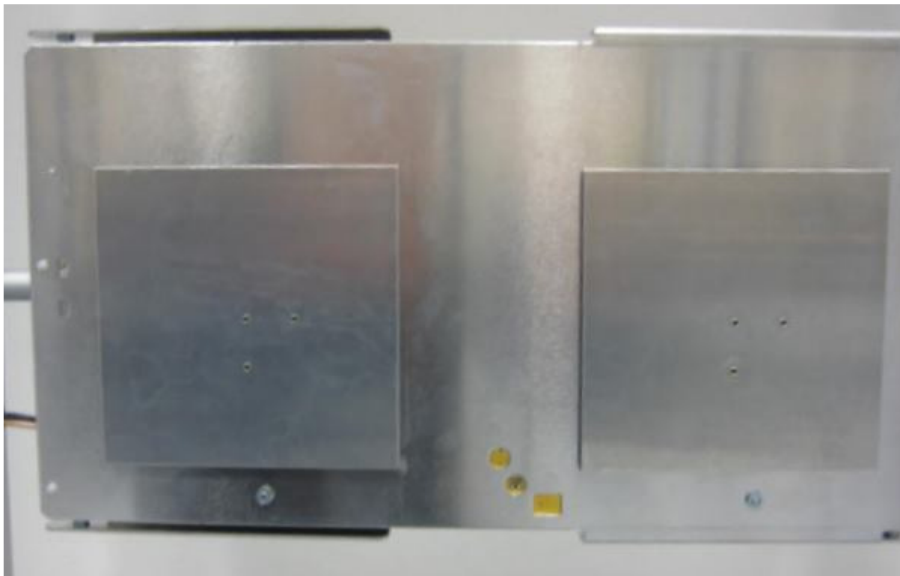
## 5 Antenna information 902-928 MHz part

### 5.1 Front side

#### 5.1.1 Total overview



#### 5.1.2 Antenna detail



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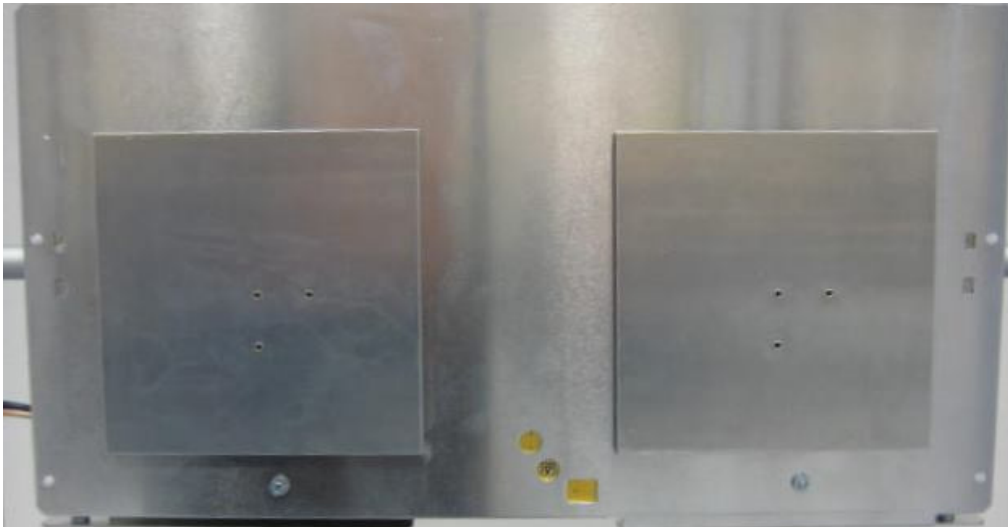
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## 5.2 Backside

### 5.2.1 Total overview



### 5.2.2 Antenna detail



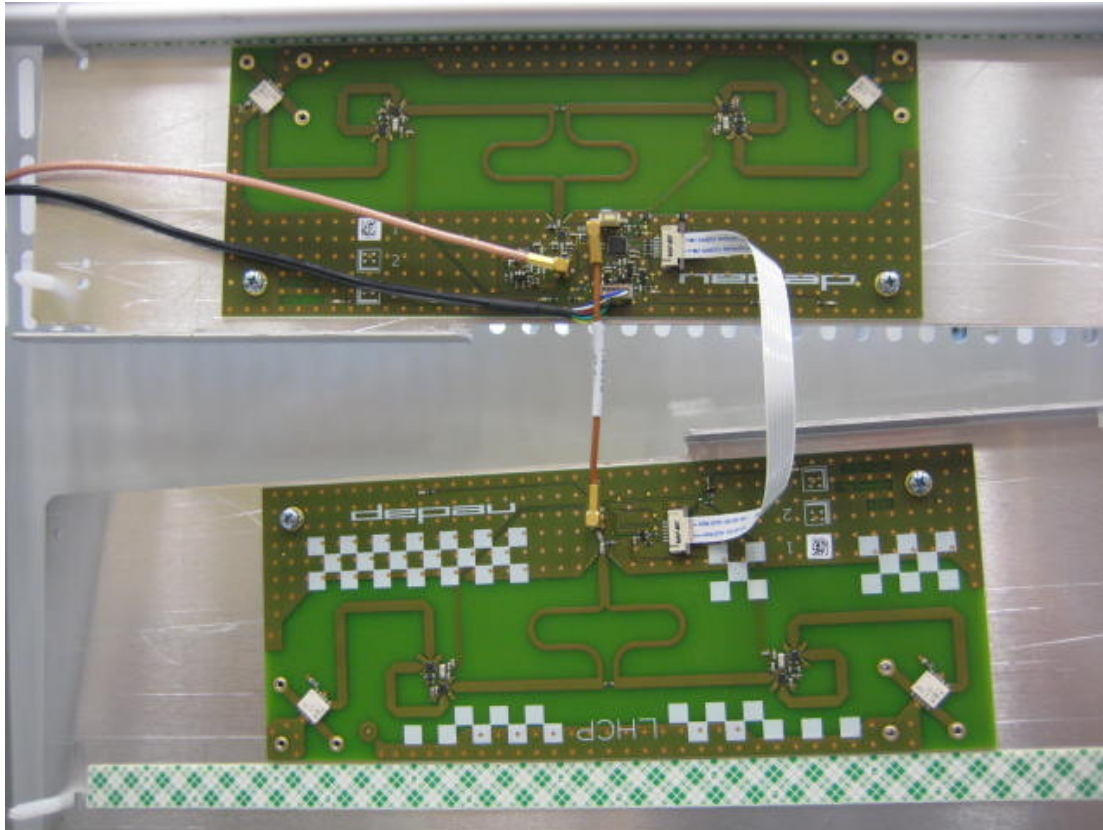


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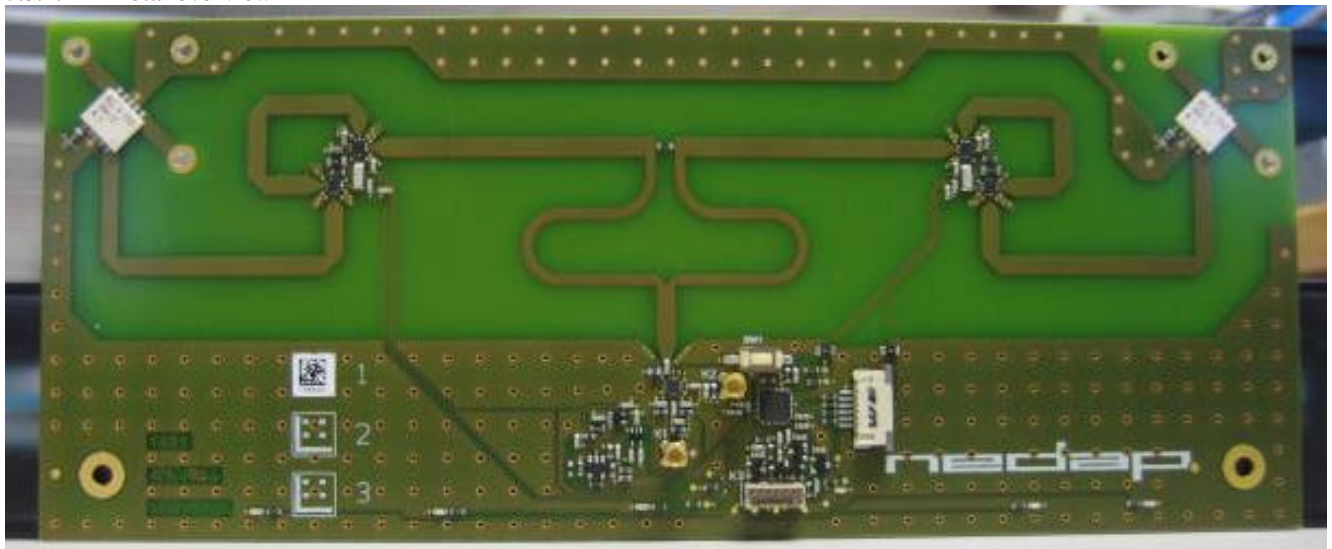
### 5.3 Antenna Printed Circuit Board

#### 5.3.1 The antenna PCB's



#### 5.3.2 Antenna PCB RHCP

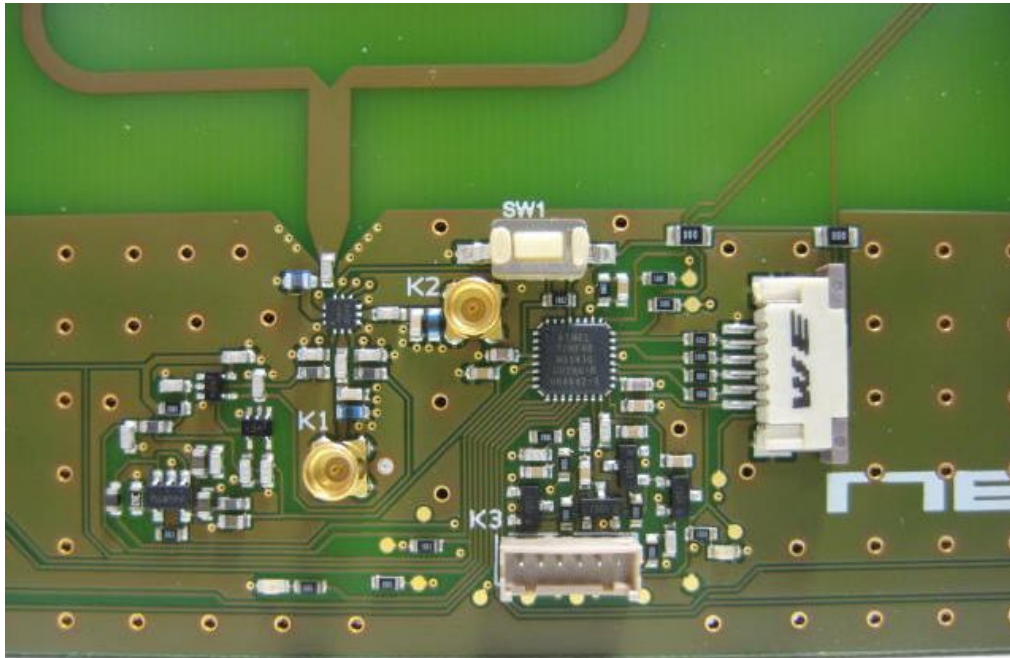
##### 5.3.2.1 Total overview



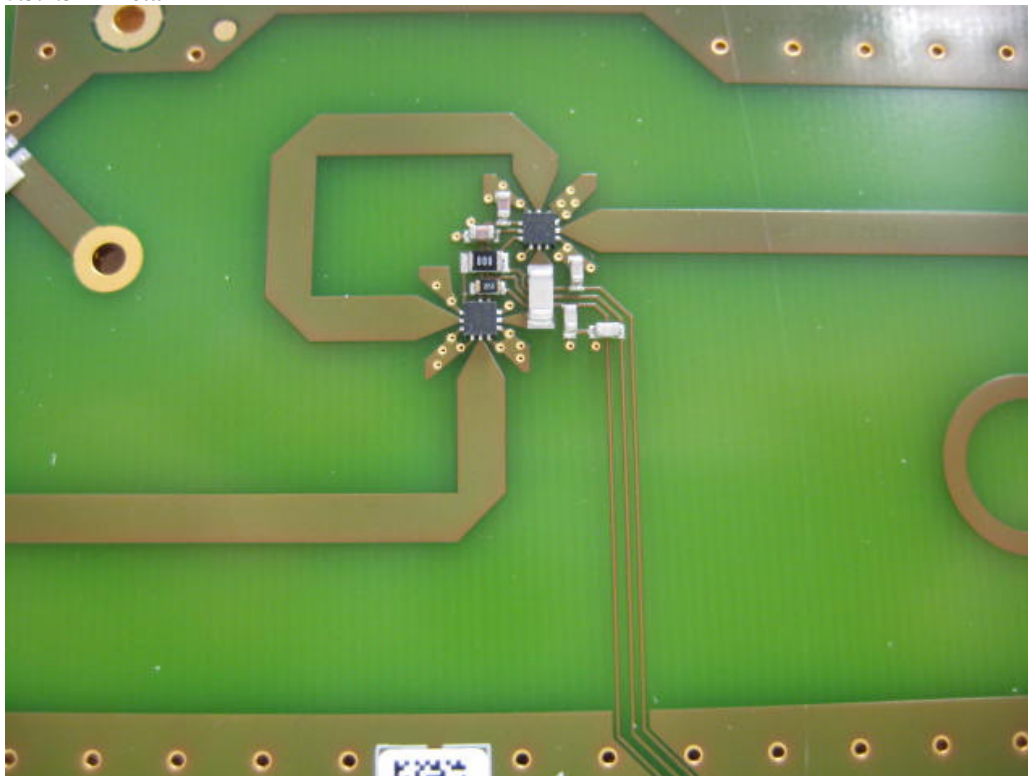
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5.3.2.2 Detail 1



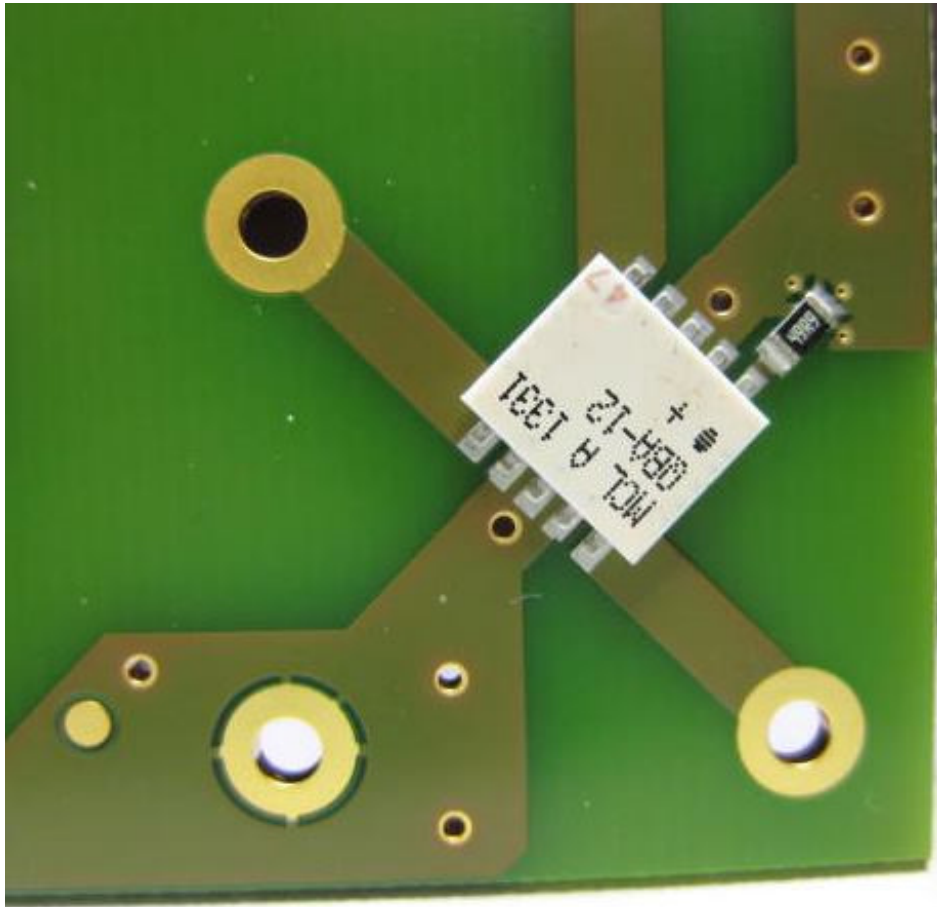
5.3.2.3 Detail 2



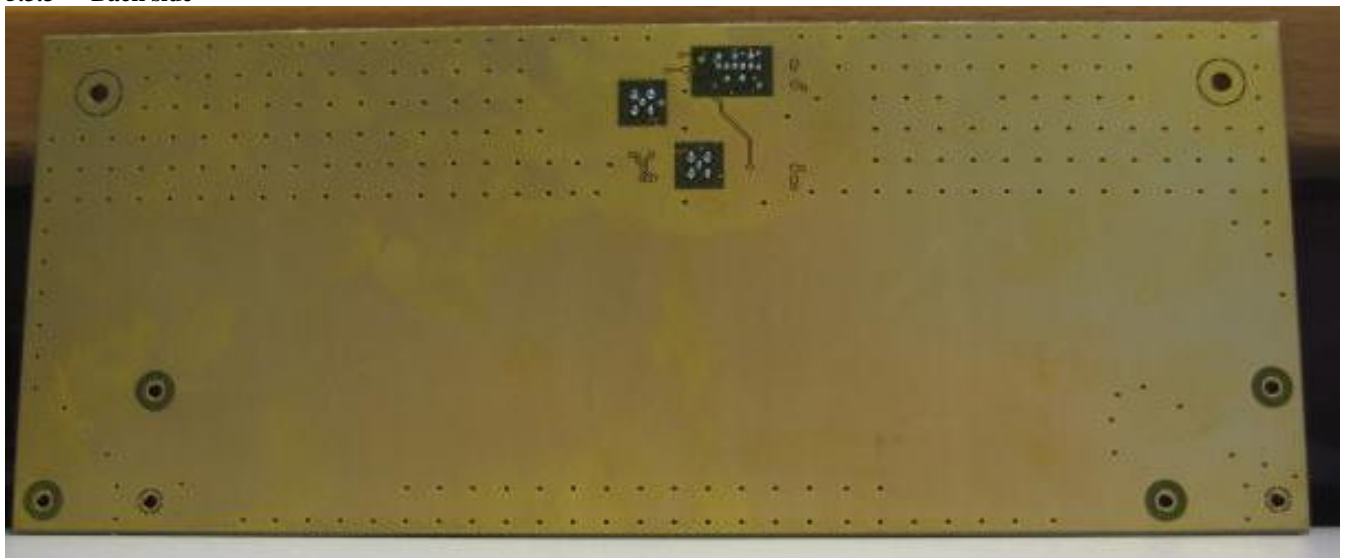
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### 5.3.2.4 Detail 3



### 5.3.3 Back side



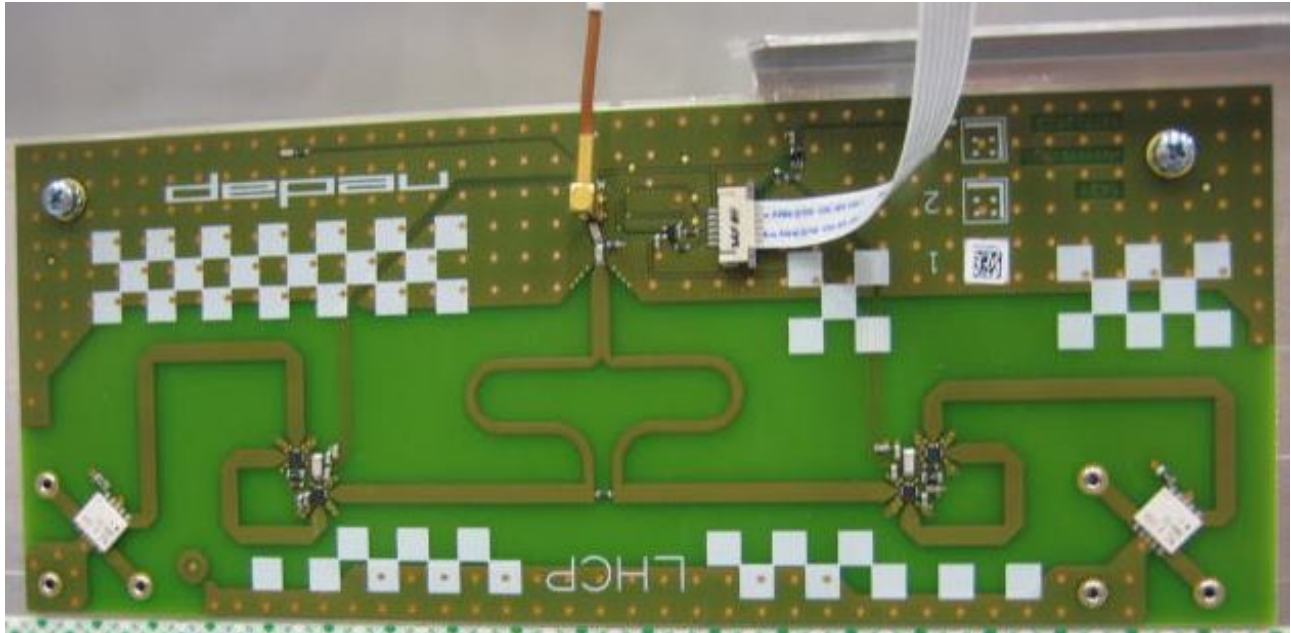


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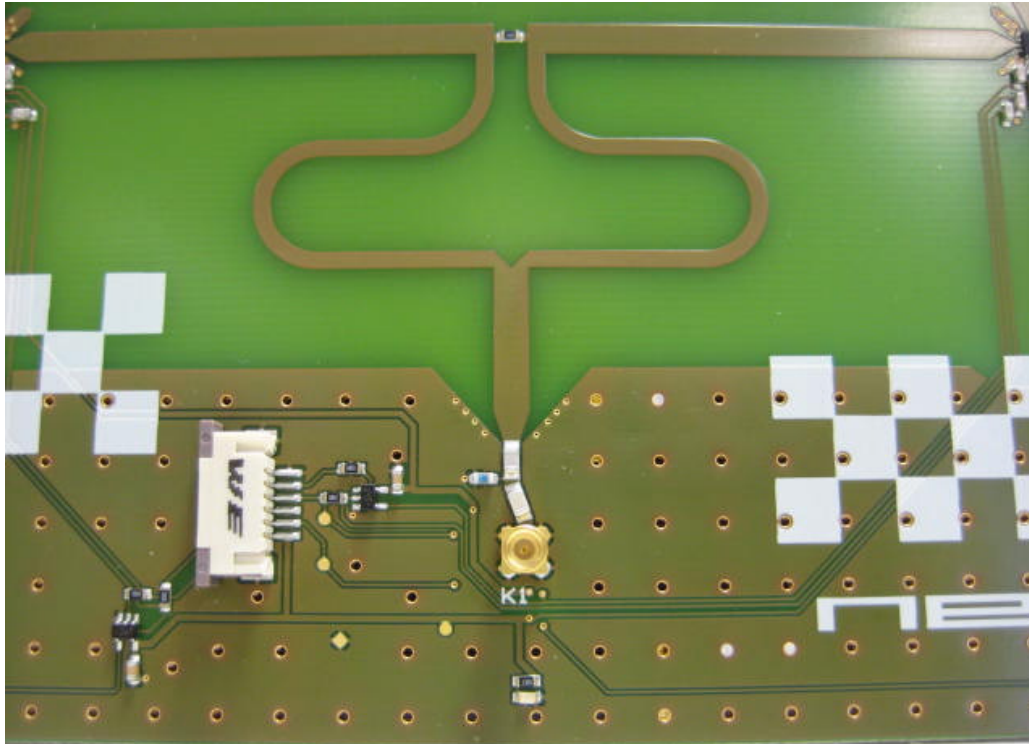
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### 5.3.4 Antenna PCB LHCP

#### 5.3.4.1 Total overview



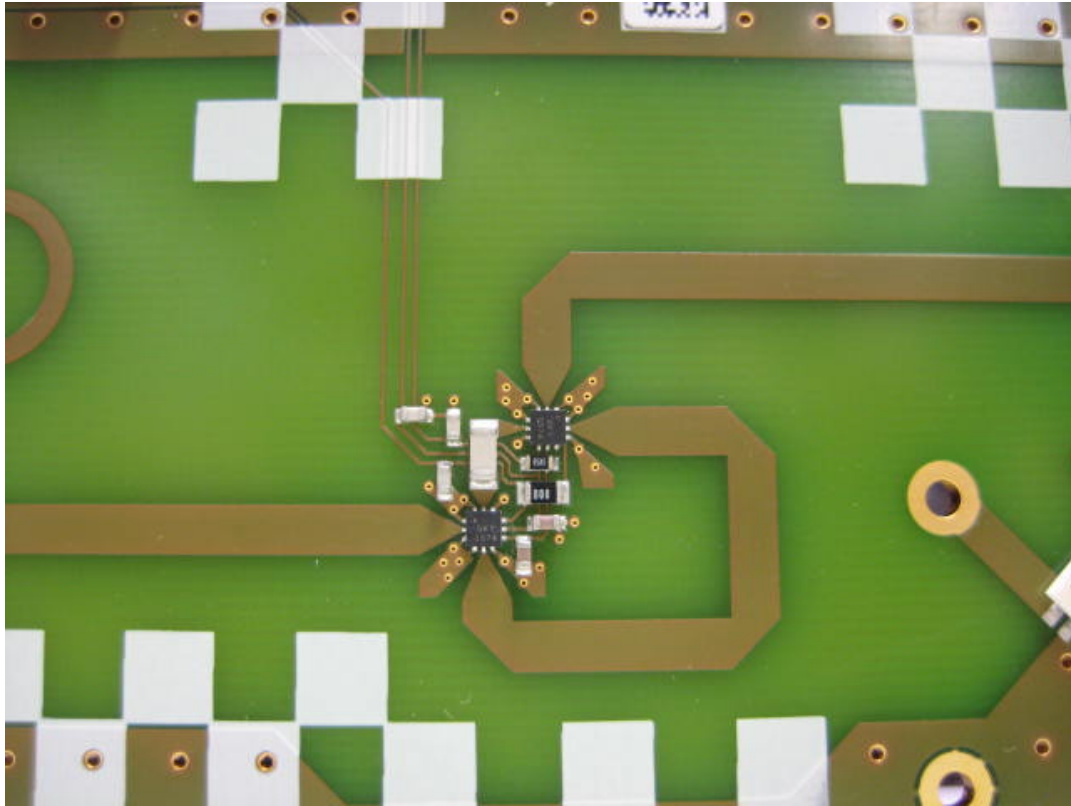
#### 5.3.4.2 Detail 1



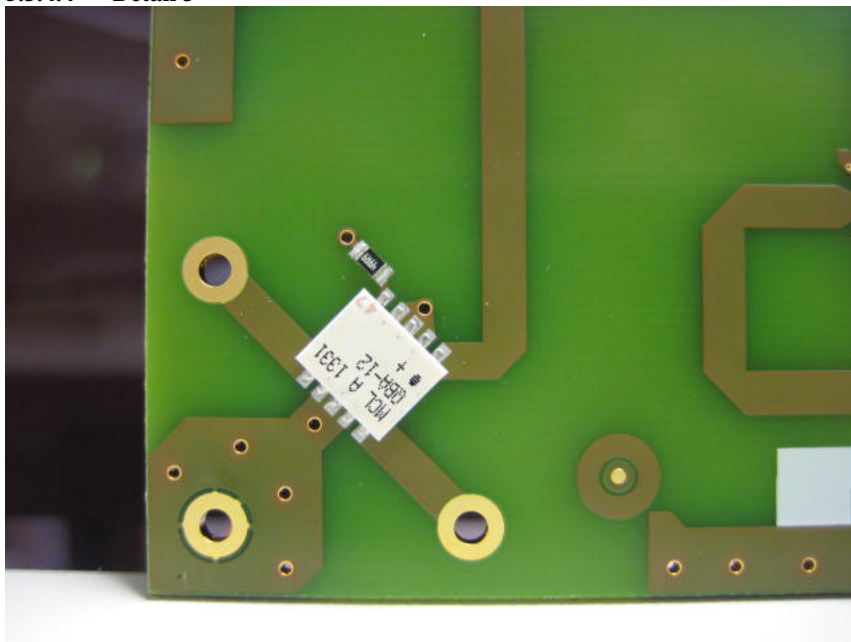
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5.3.4.3 Detail 2



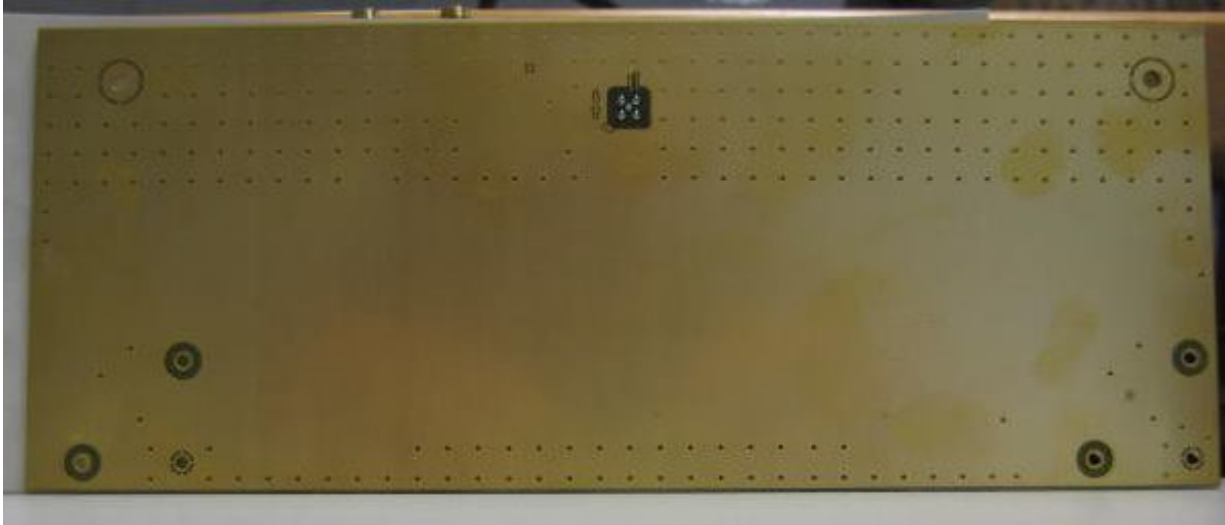
5.3.4.4 Detail 3



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### 5.3.5 Back side



## 6 Metal detection transmitter PCB

### 6.1 In housing

#### 6.1.1 Front side





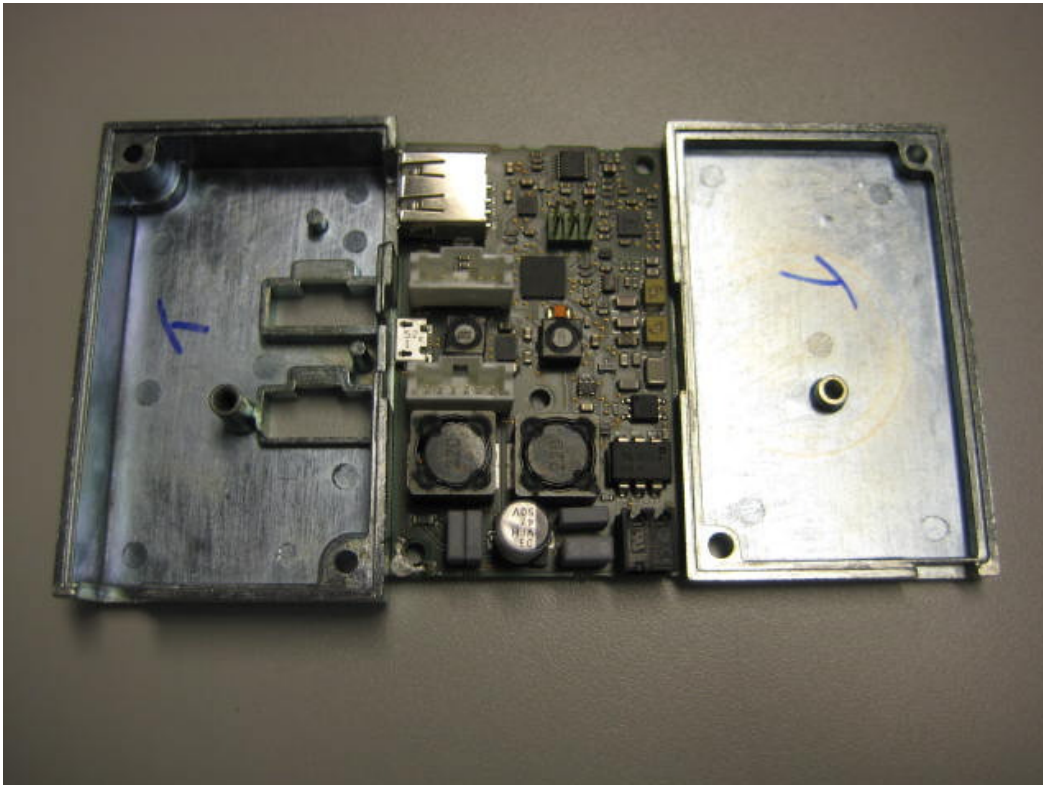
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### 6.1.2 Back side



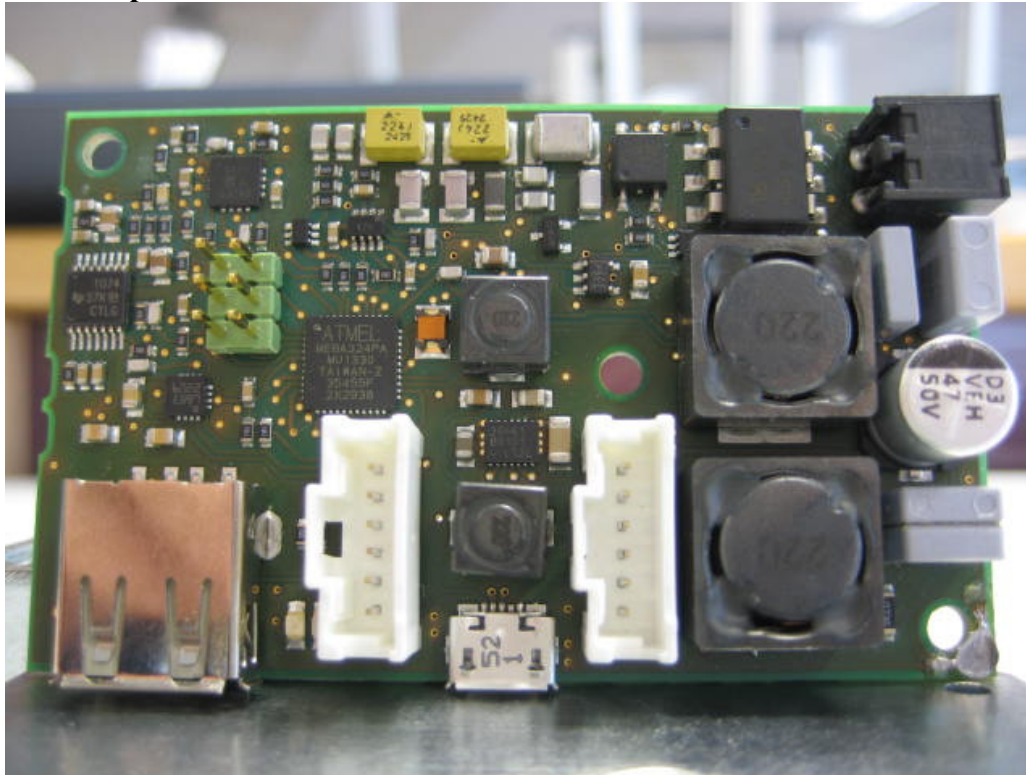
### 6.2 Metal detection box dismantled



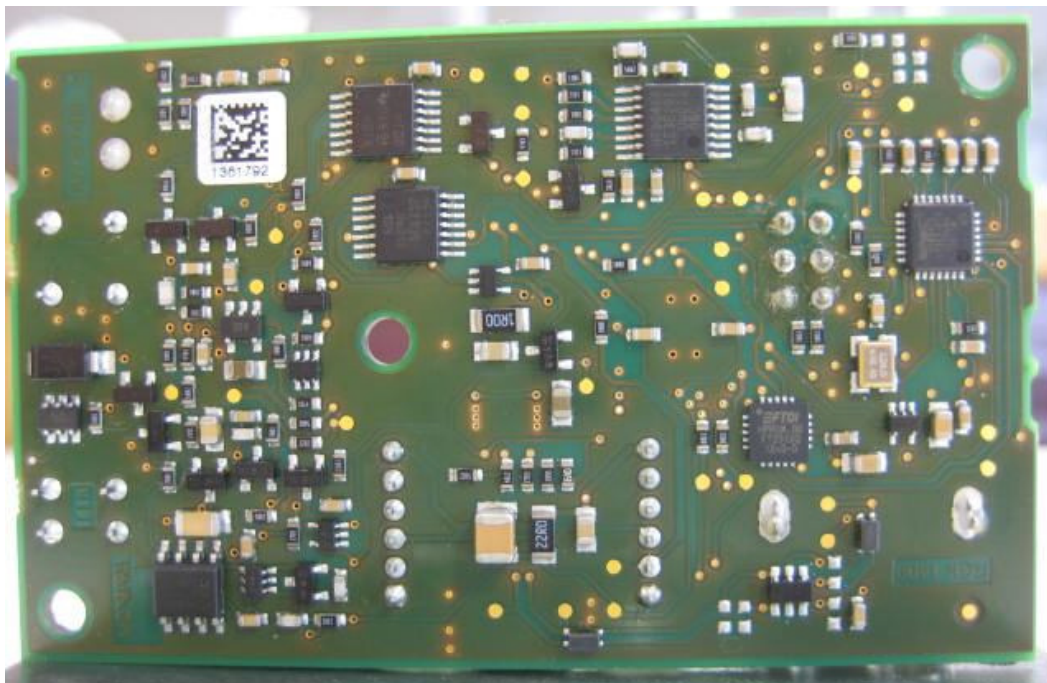
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### 6.3 Top side PCB



### 6.4 Back side PCB



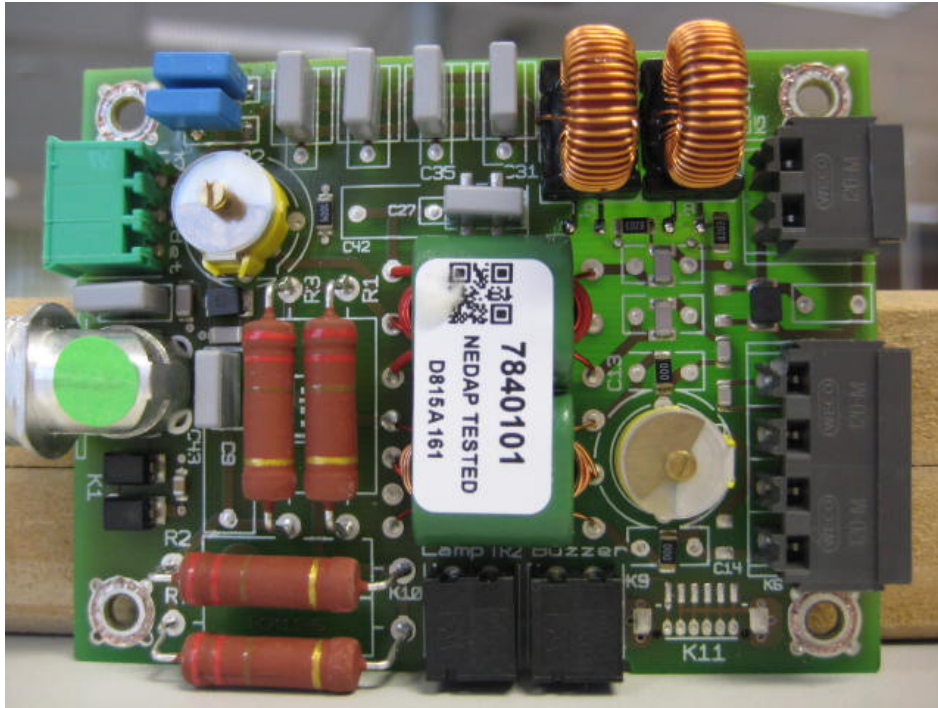


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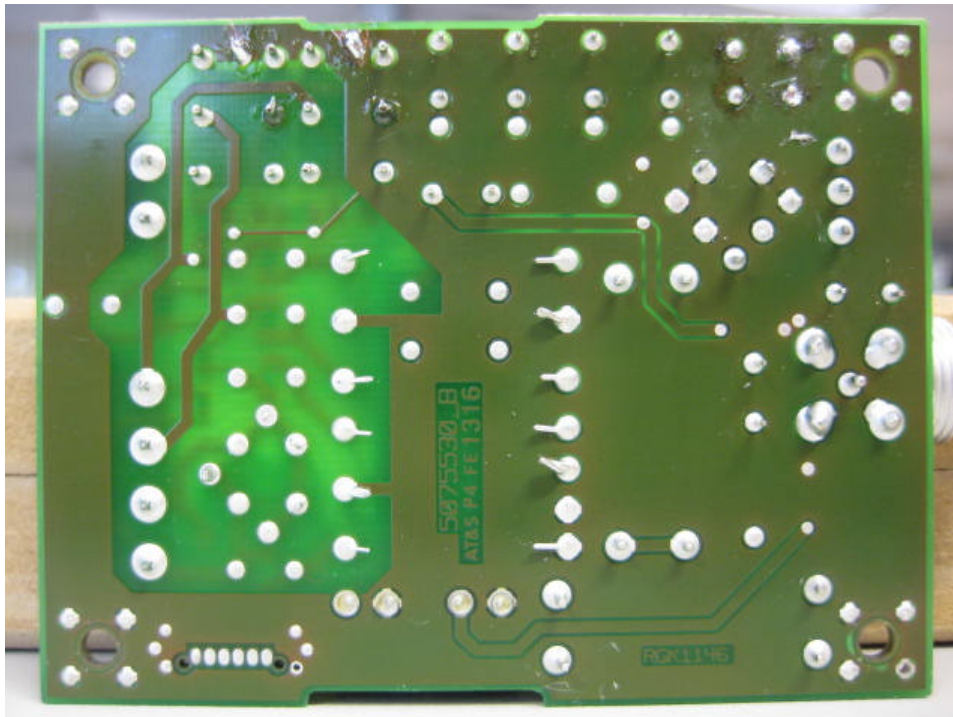
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## 7 Antenna matching Printed Circuit Board

### 7.1 Front side



### 7.2 Back side



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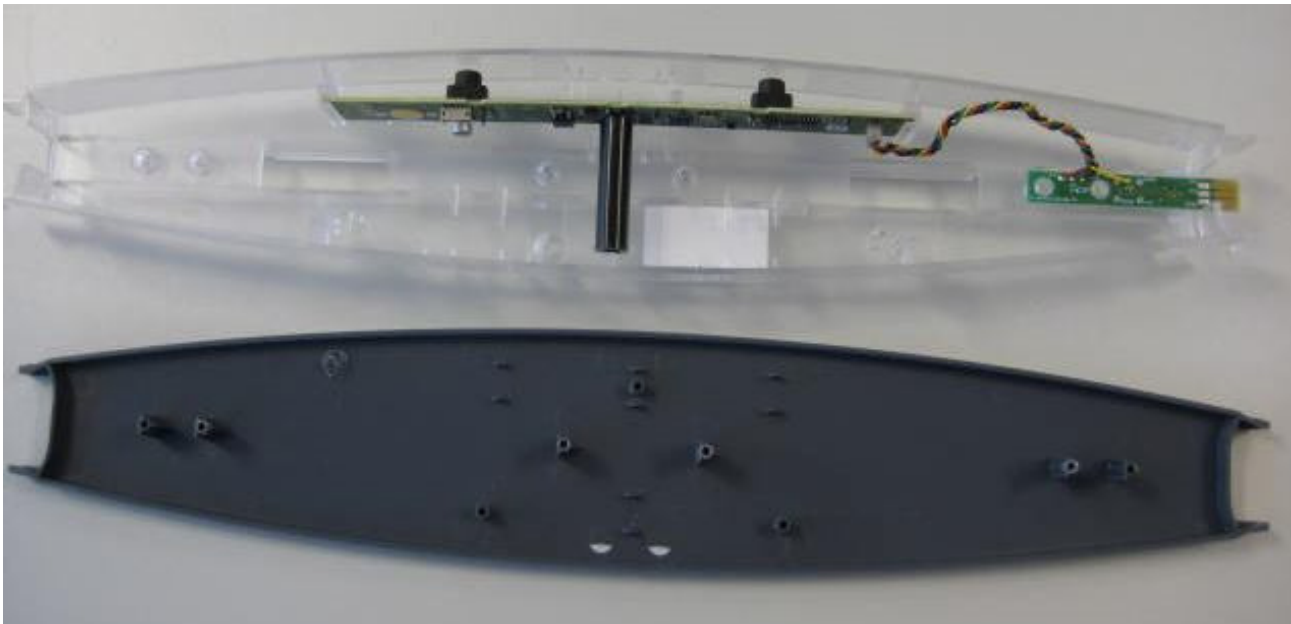
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## 8 CC (Customer counter)

### 8.1 Enclosure



### 8.2 Unit dismantled



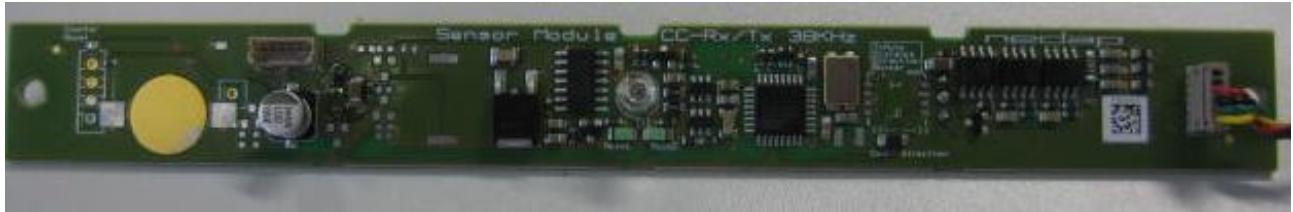
### 8.3 CC Printed Circuit Boards



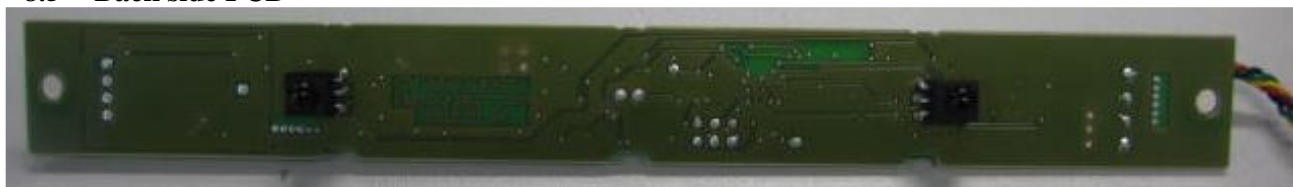
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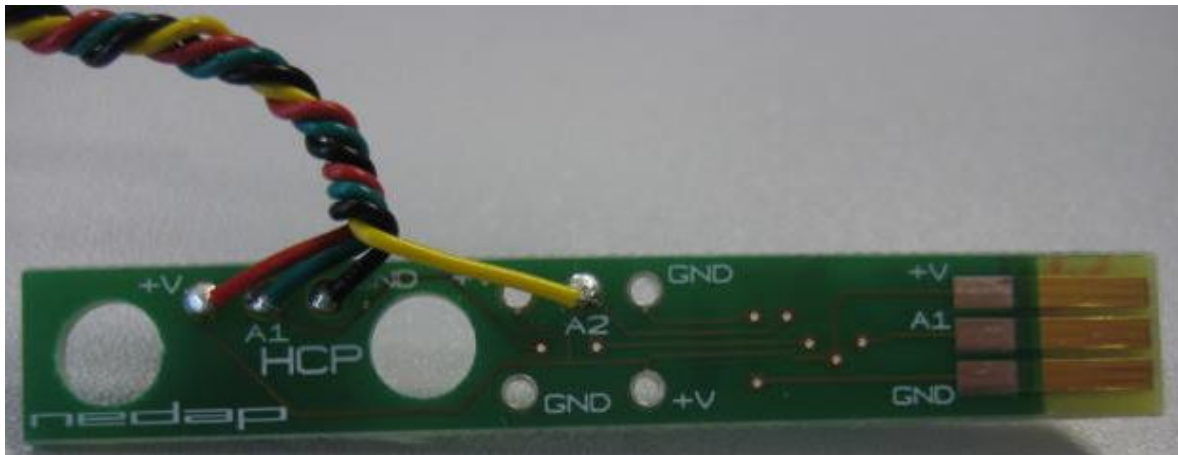
#### 8.4 Front side PCB



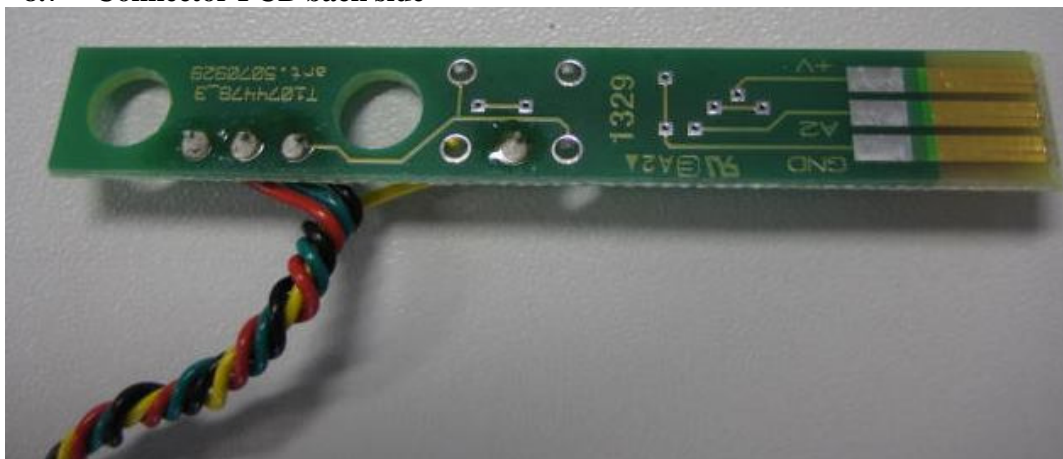
#### 8.5 Back side PCB



#### 8.6 Connector PCB front side



#### 8.7 Connector PCB back side





Description of EUT: UHF Reader with antenna FL45 operating on 902-928 MHz including an Anti-Pilferage System operating in the band 7.400-8.800 MHz and a metal detection module operating on 125 kHz  
Manufacturer: N.V. Nederlandse Apparatenfabriek "Nedap"  
Brand mark: Nedap  
Model: ASSY FLR RF+MD+RFID  
FCC ID: CGDFLRRFMDRFID  
IC: 1444A-FLRRFMDRFID  
Type of Application: New Application

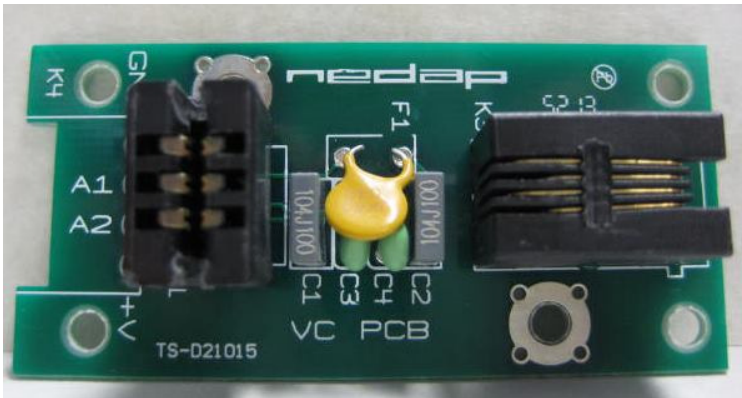
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## 9 LED printed Circuit Board

### 9.1 In enclosure



### 9.2 Front side



### 9.3 Back side

