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 item

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. Nederlandsche Apparatenfabriek "Nedap"
Brand	:	Nedap
Models	:	ASSY RF+MD+RFID
FCC ID	:	CGDFLRRFMDRFID
IC	:	1444A-FLRRFMDRFID
Type of Service	:	New Application

Applicant information

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03 September 2014

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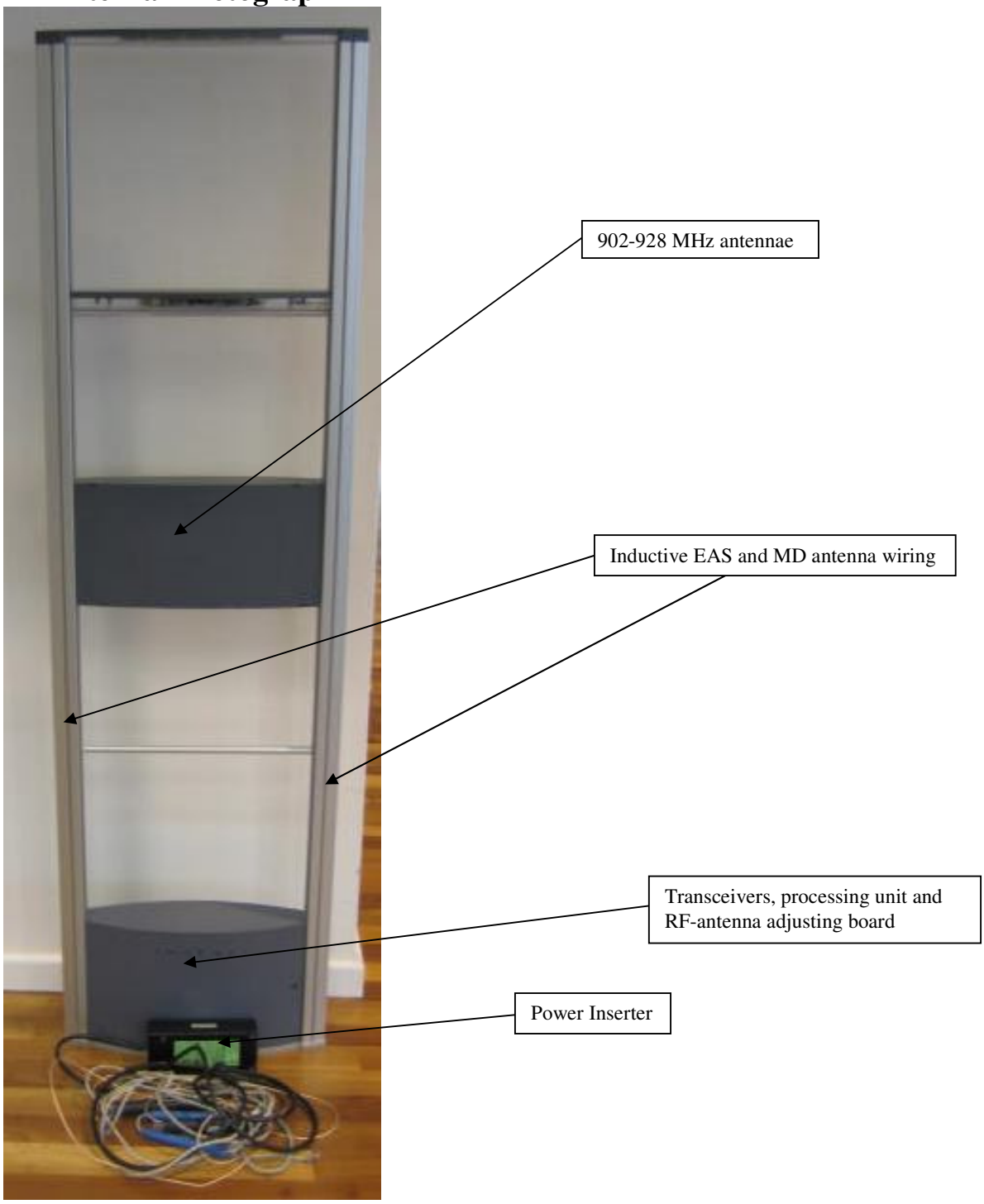
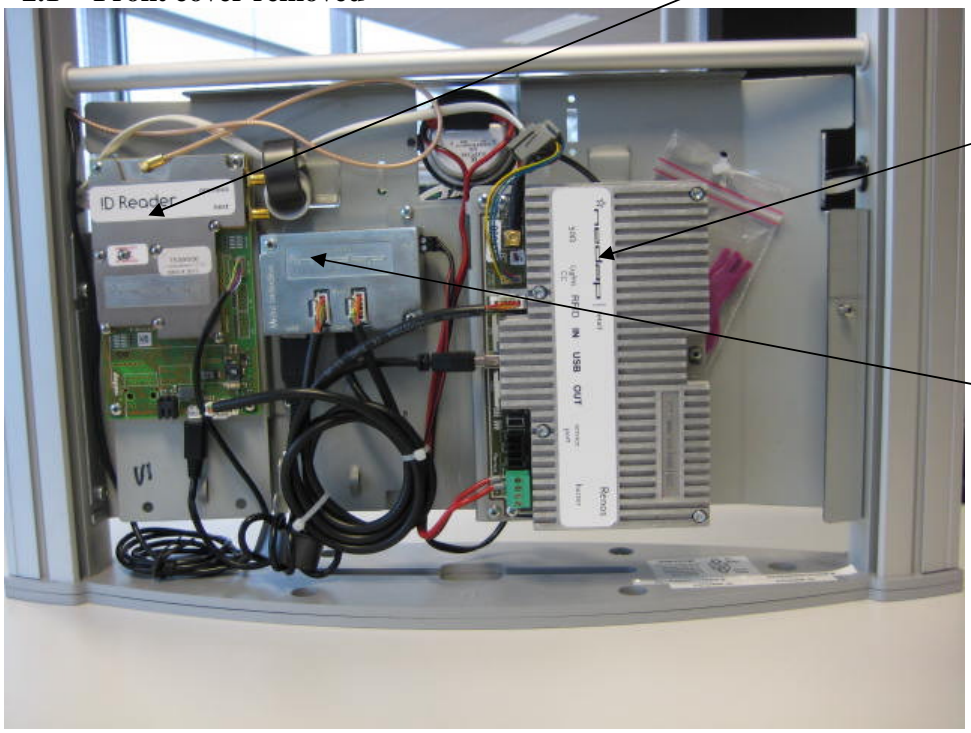
1 External Photograph

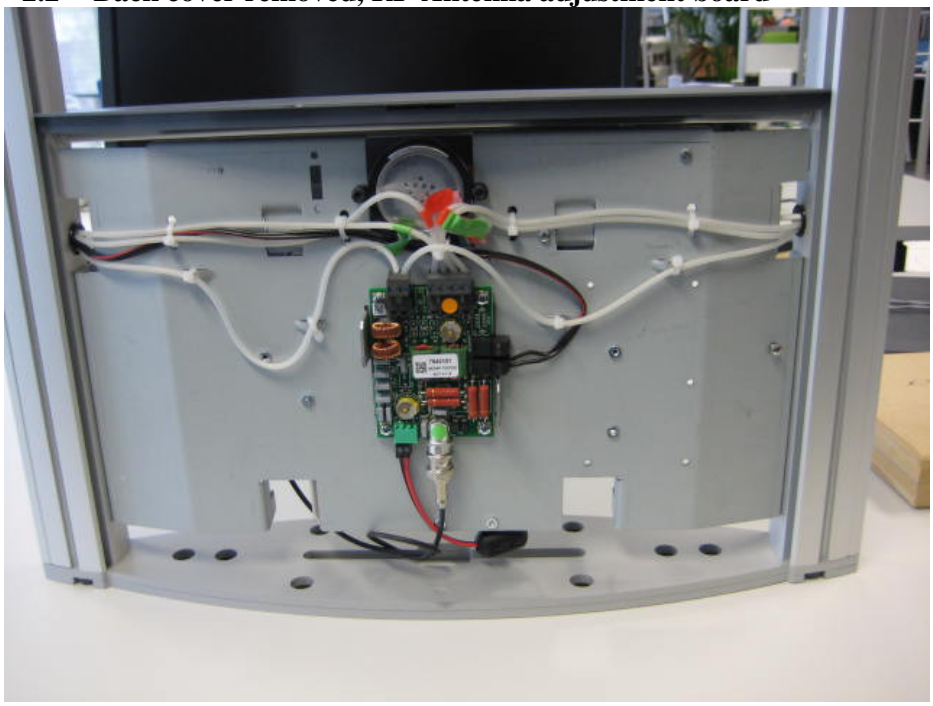


2 Internal pictures

2.1 Front cover removed

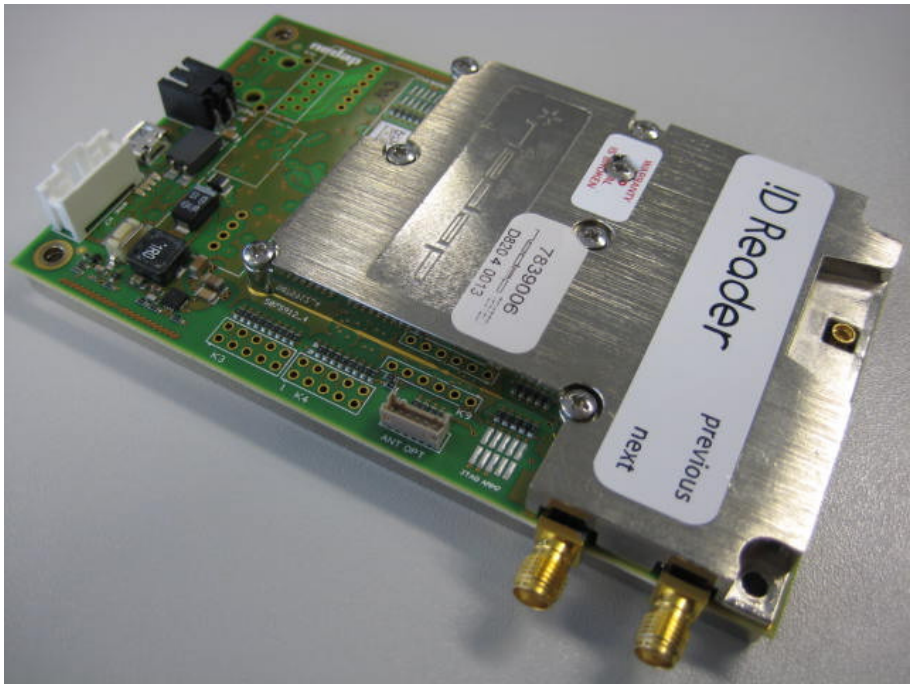


2.2 Back cover removed, RF-Antenna adjustment board

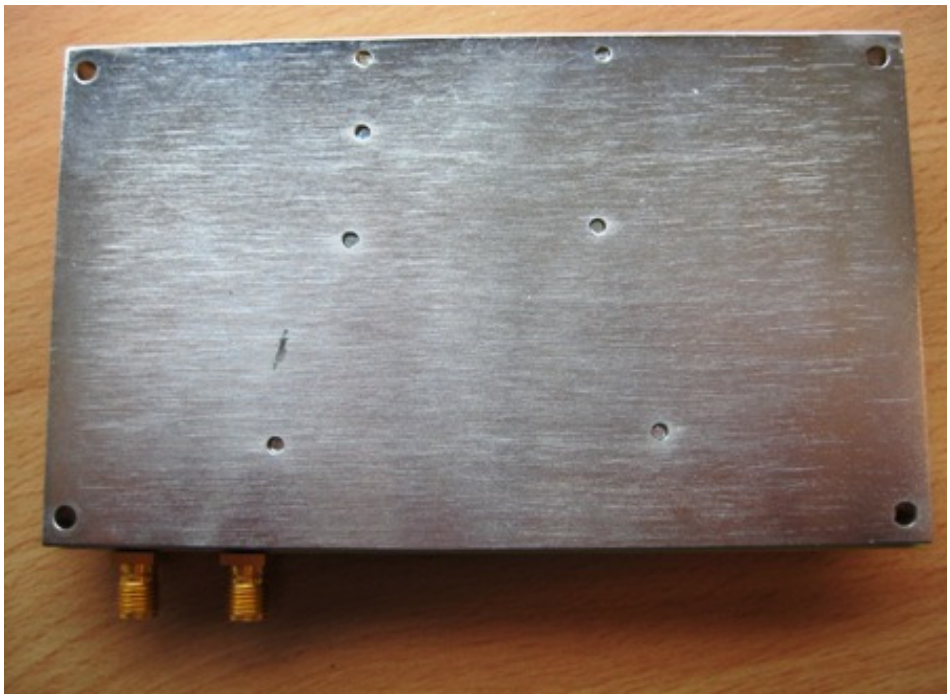


3 902-928 MHz transceiver

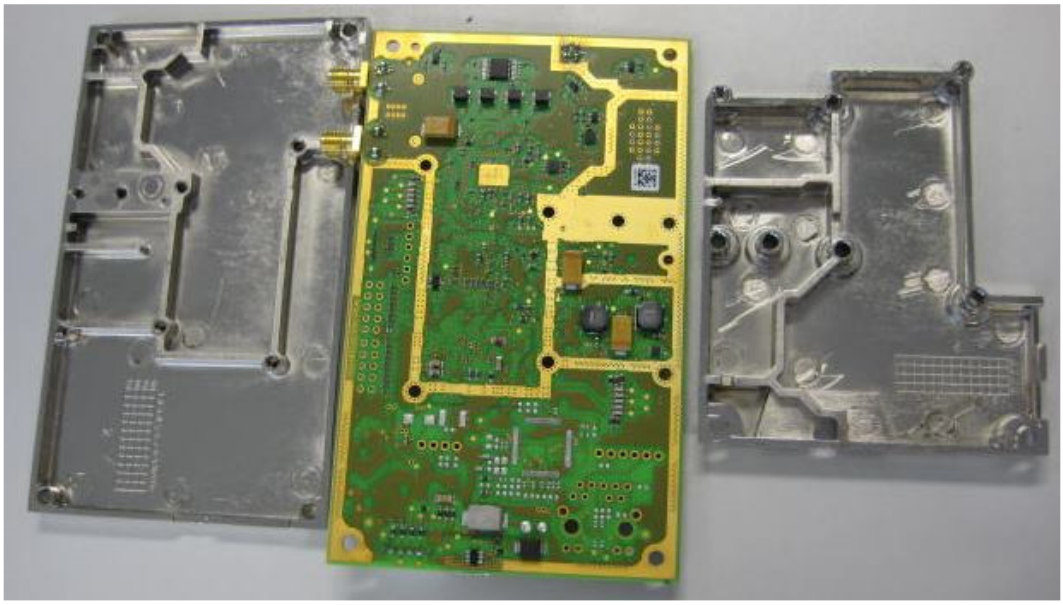
3.1 Front side with metal cover



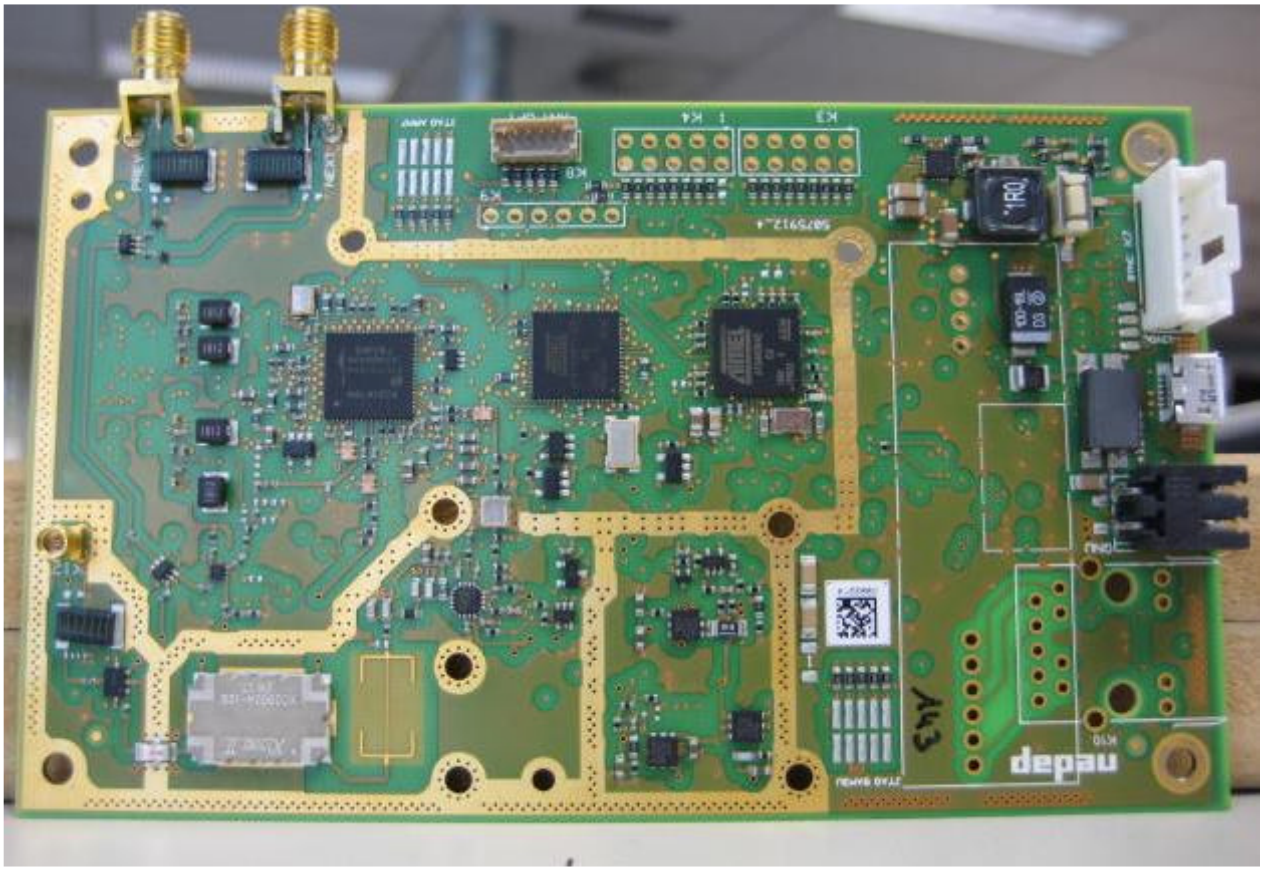
3.2 Backside with metal cover



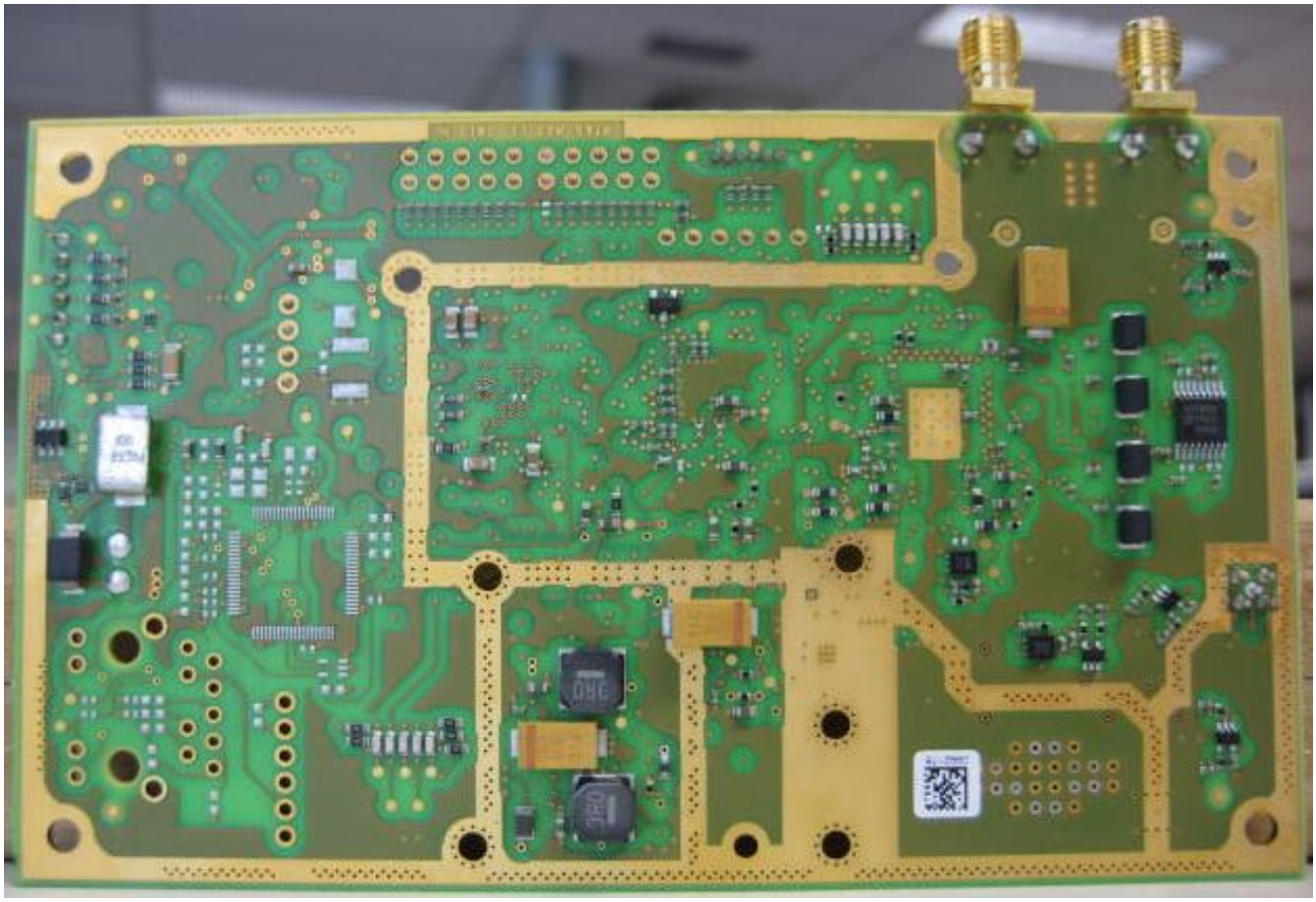
3.3 ID reader dismantled



3.4 Front side

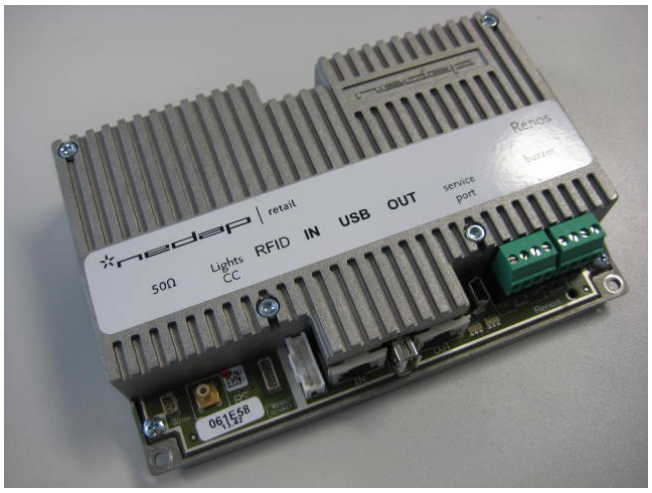


3.5 Back side



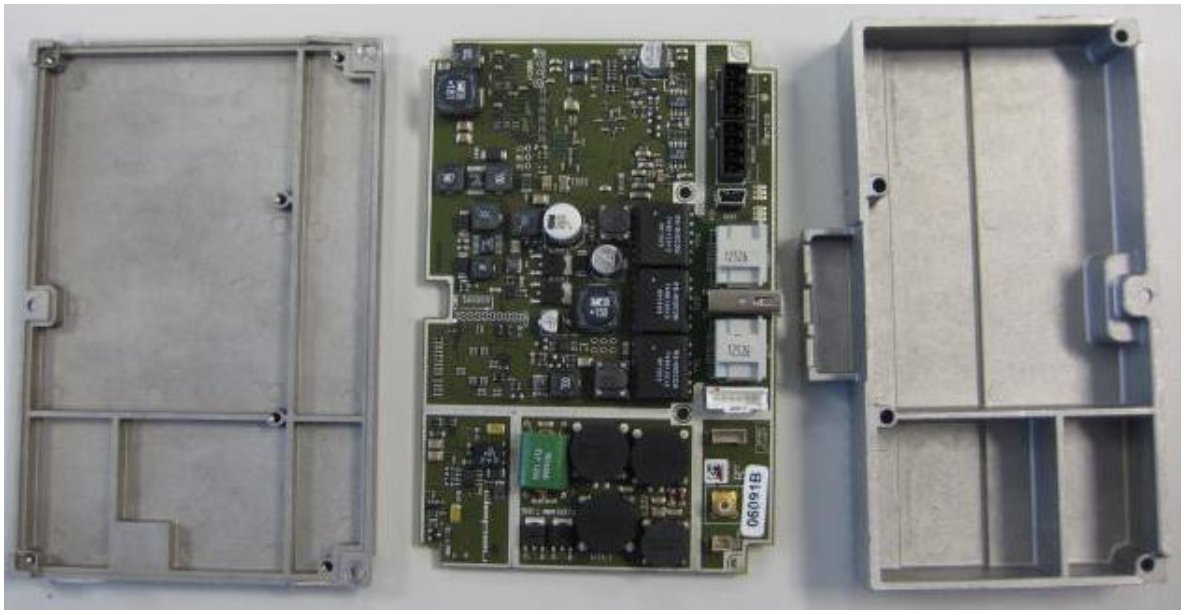
4 Processing unit – Renos including EAS 8.2 MHz transmitter

4.1 With metal cover

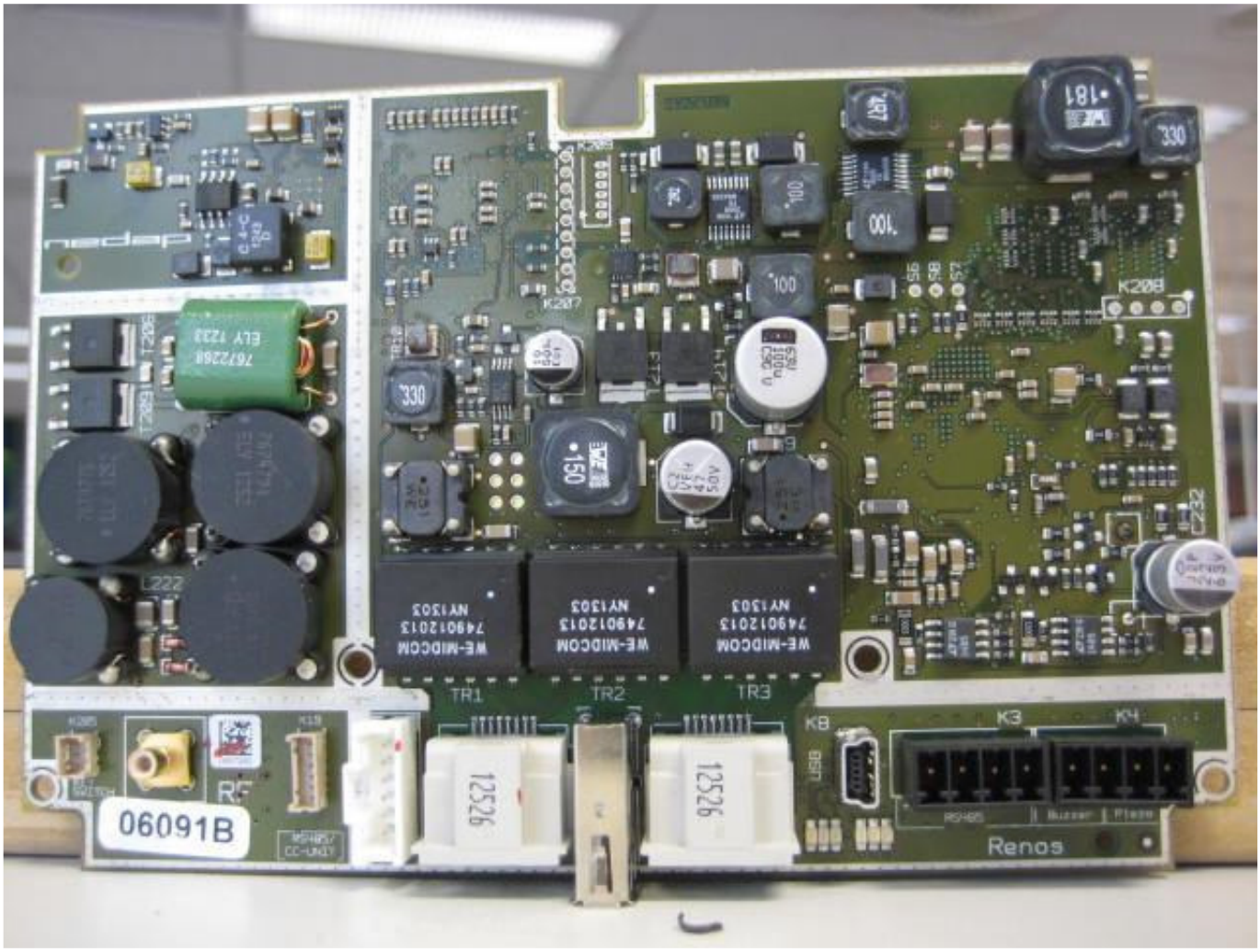


4.2 Back side with metal cover

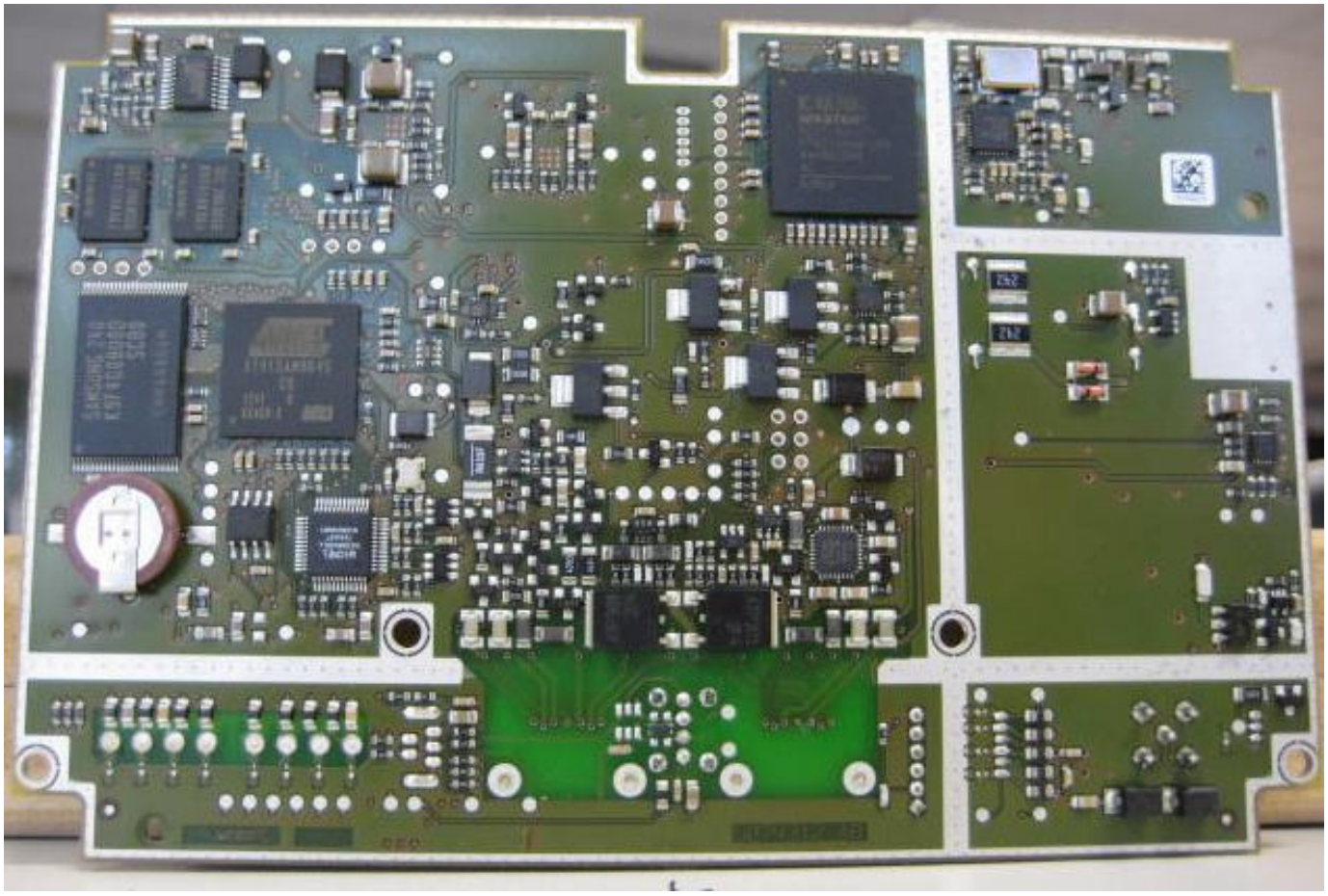
4.3 Unit dismantled



4.4 Front side Printed Circuit Board



4.5 Back side

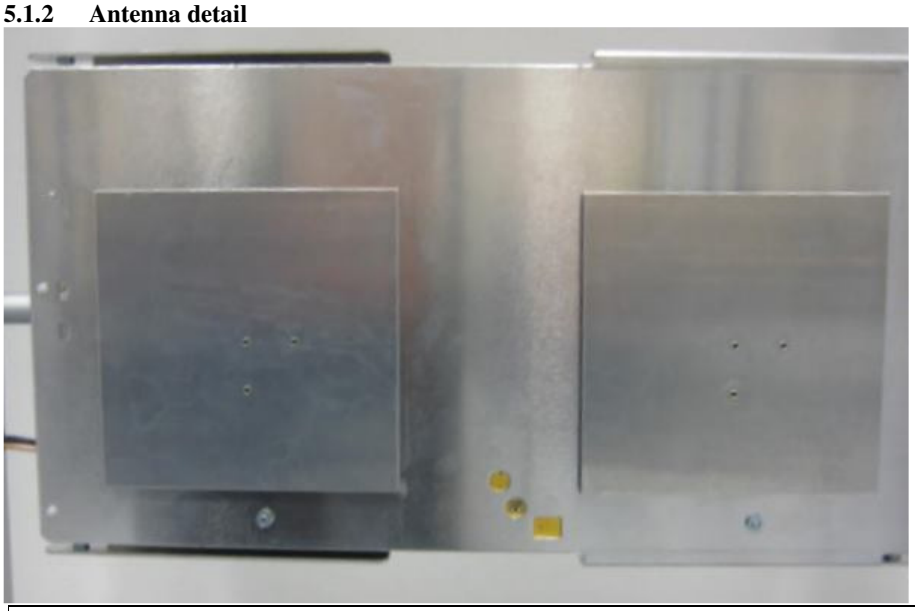


5 Antenna information 902-928 MHz part

5.1 Front side

5.1.1 Total overview

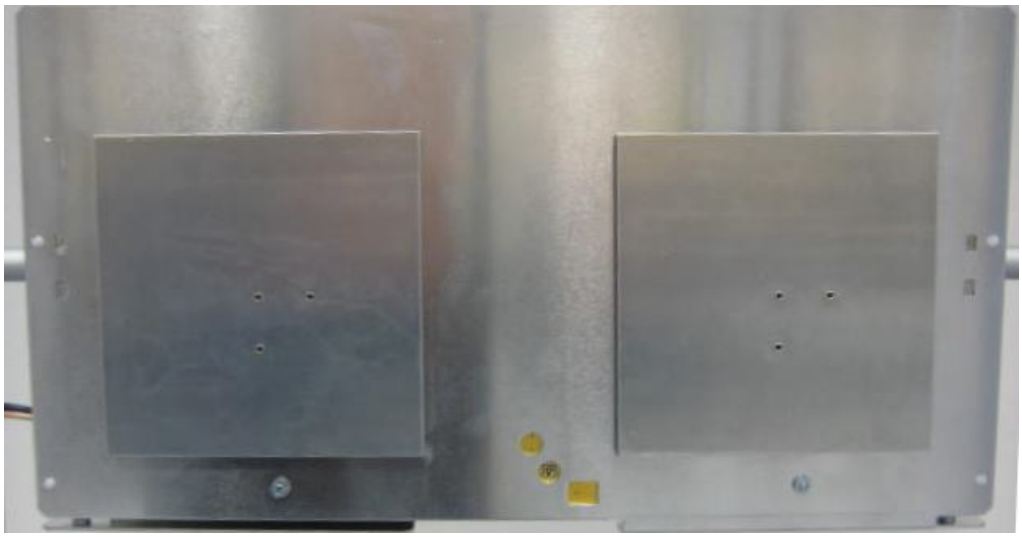
5.1.2 Antenna detail



5.2 Backside

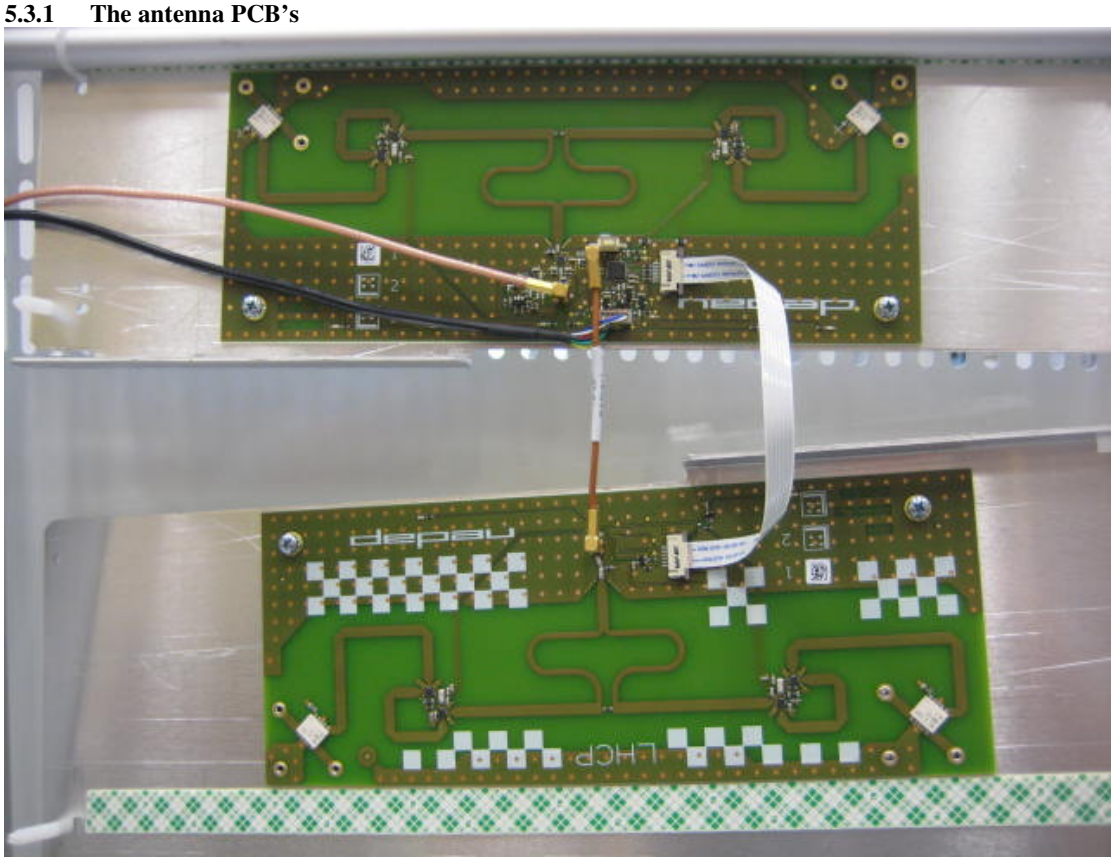
5.2.1 Total overview

5.2.2 Antenna detail



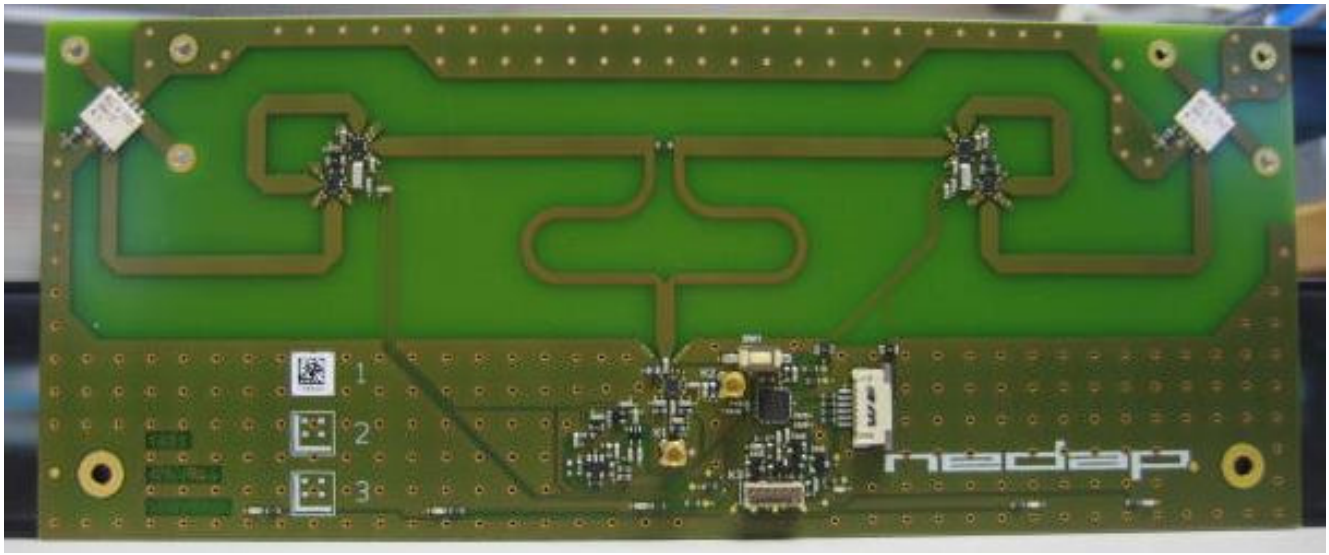
5.3 Antenna Printed Circuit Board

5.3.1 The antenna PCB's

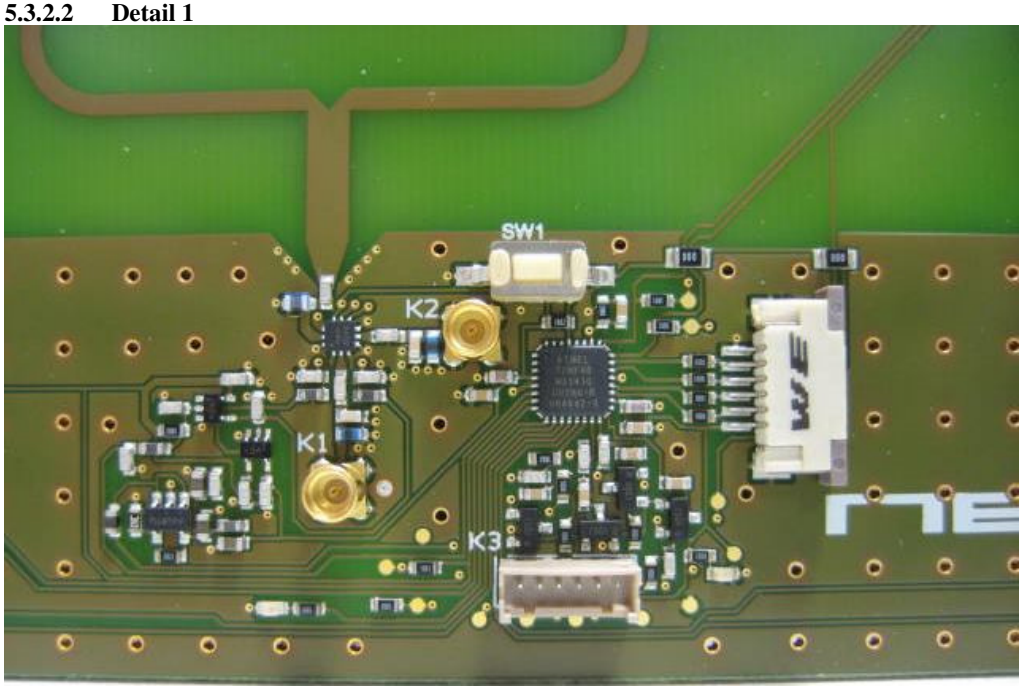


5.3.2 Antenna PCB RHCP

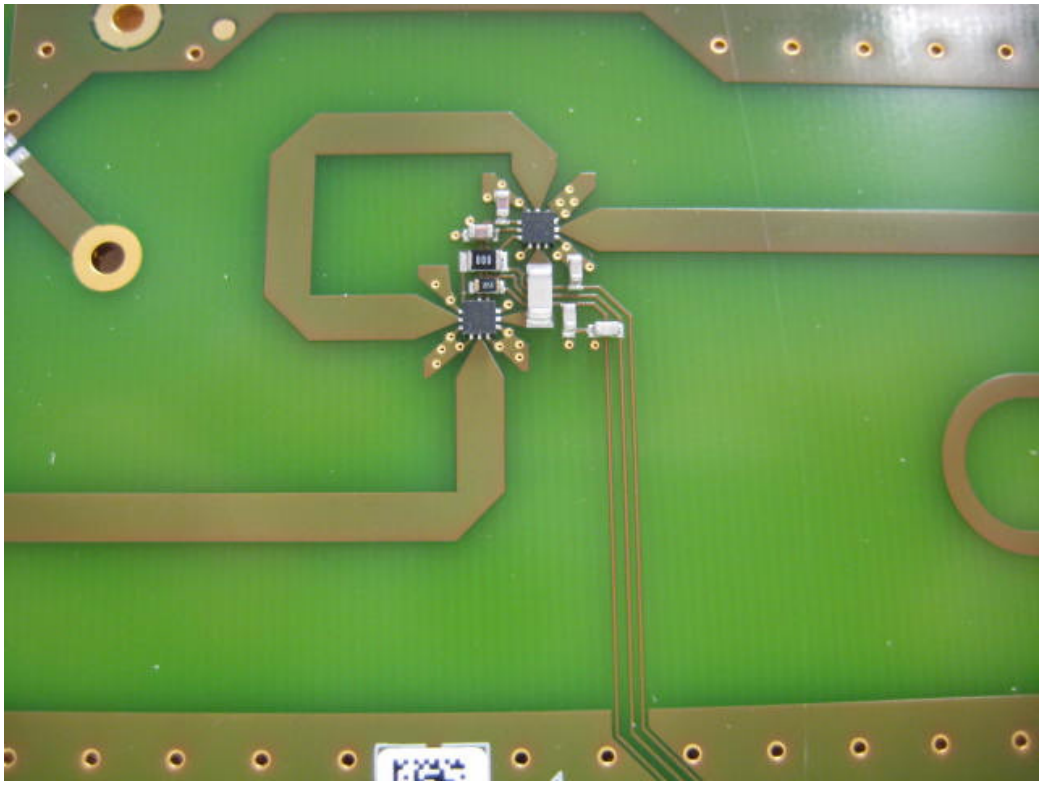
5.3.2.1 Total overview



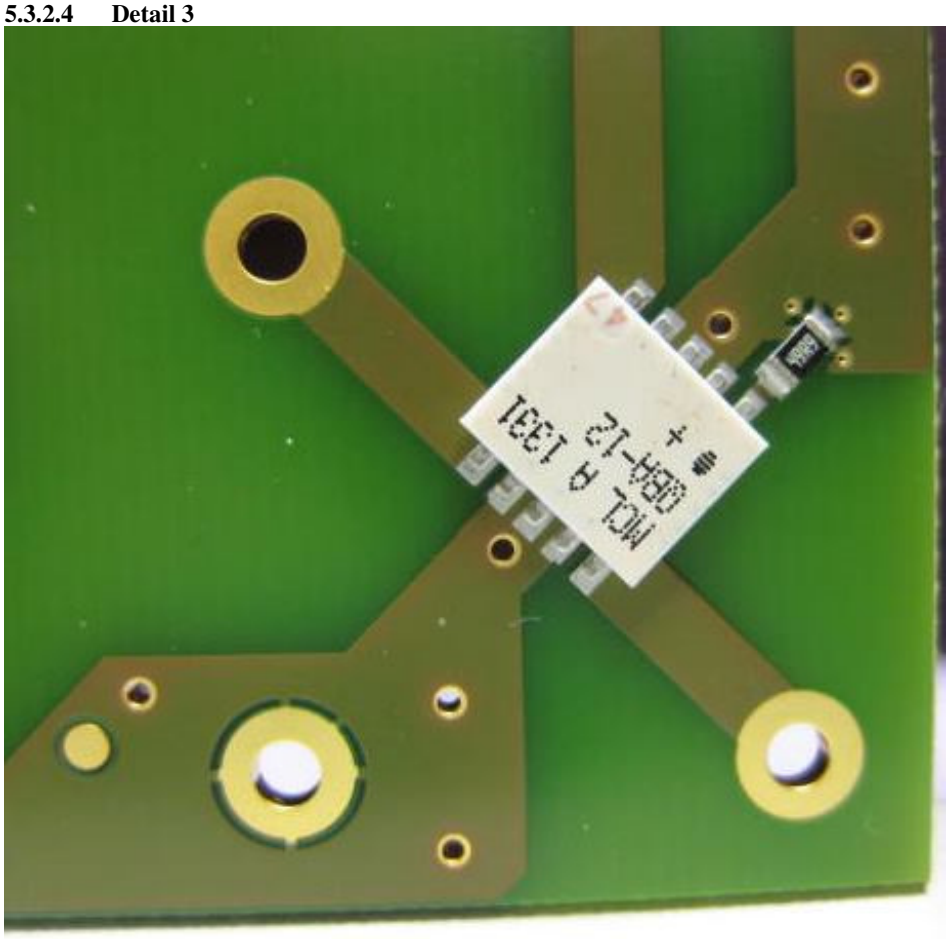
5.3.2.2 Detail 1



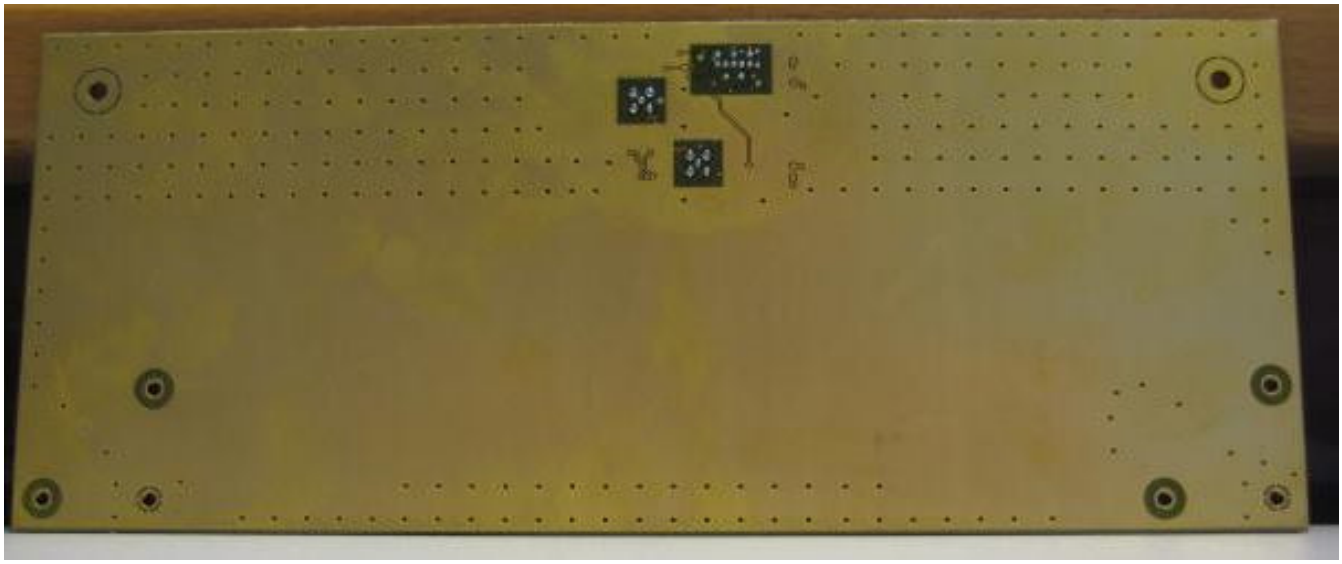
5.3.2.3 Detail 2



5.3.2.4 Detail 3

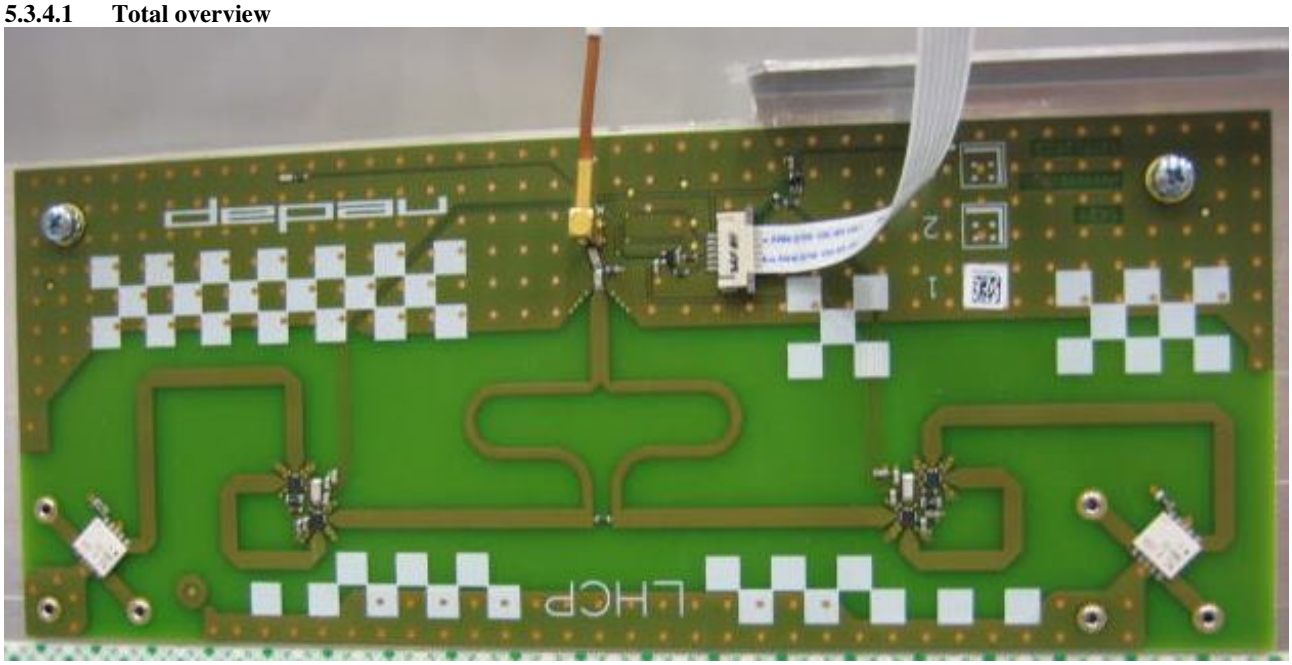


5.3.3 Back side

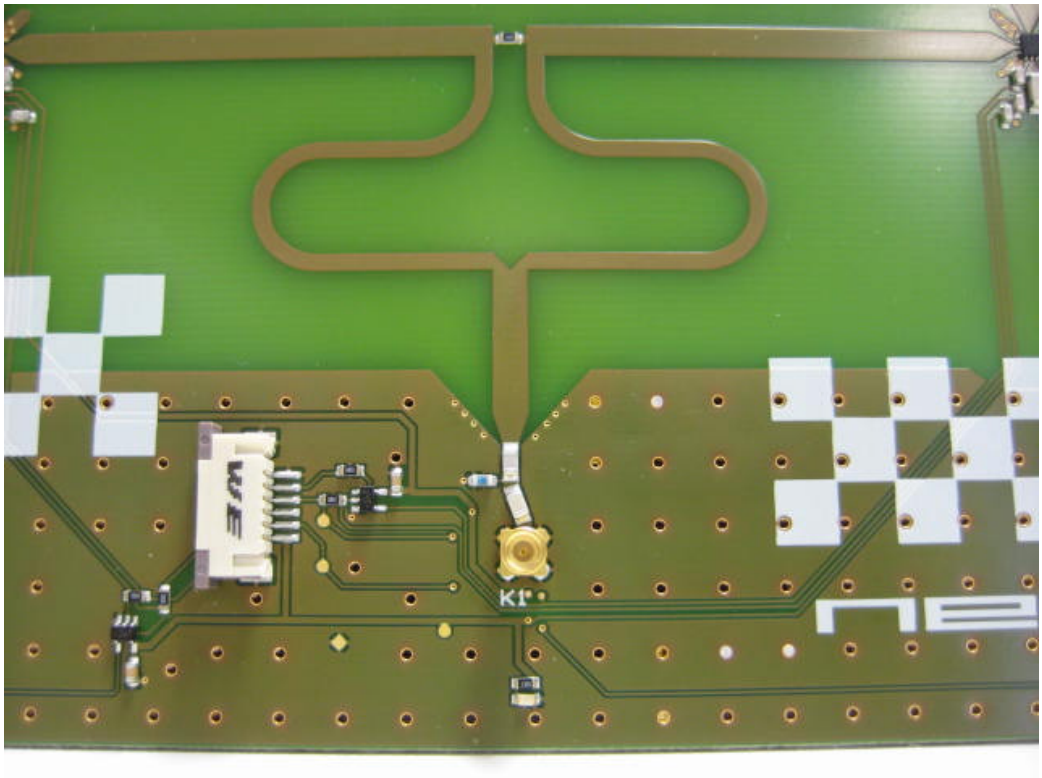


5.3.4 Antenna PCB LHCP

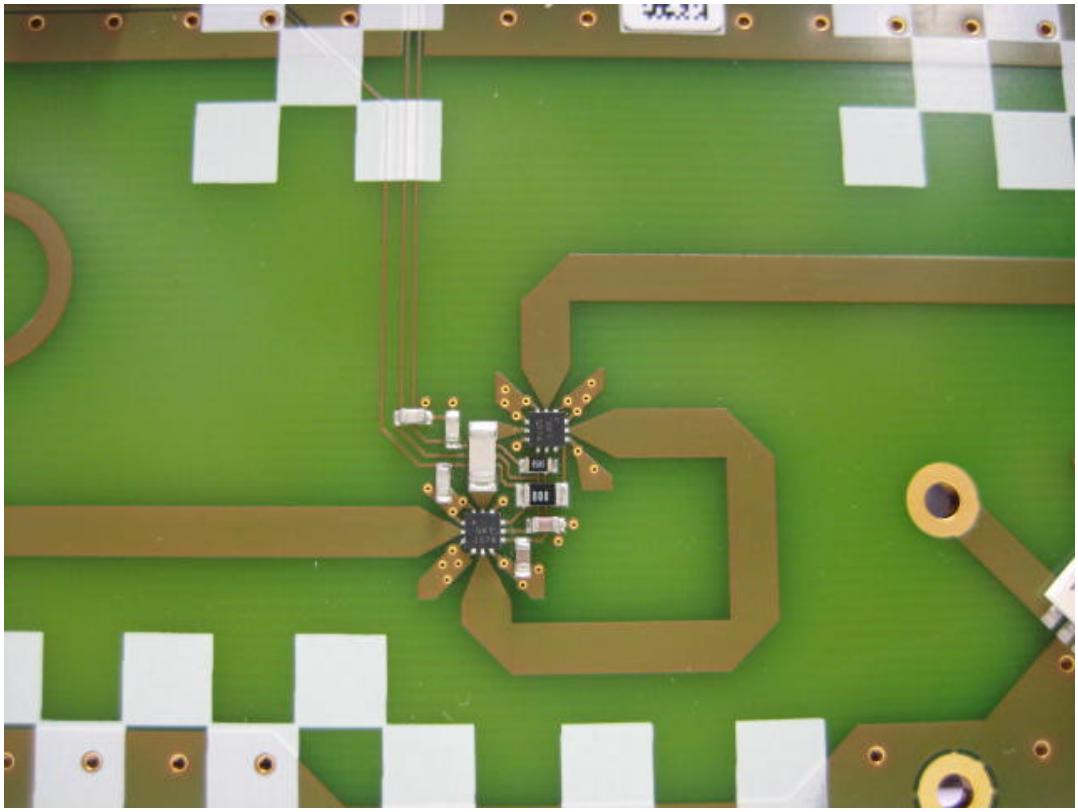
5.3.4.1 Total overview



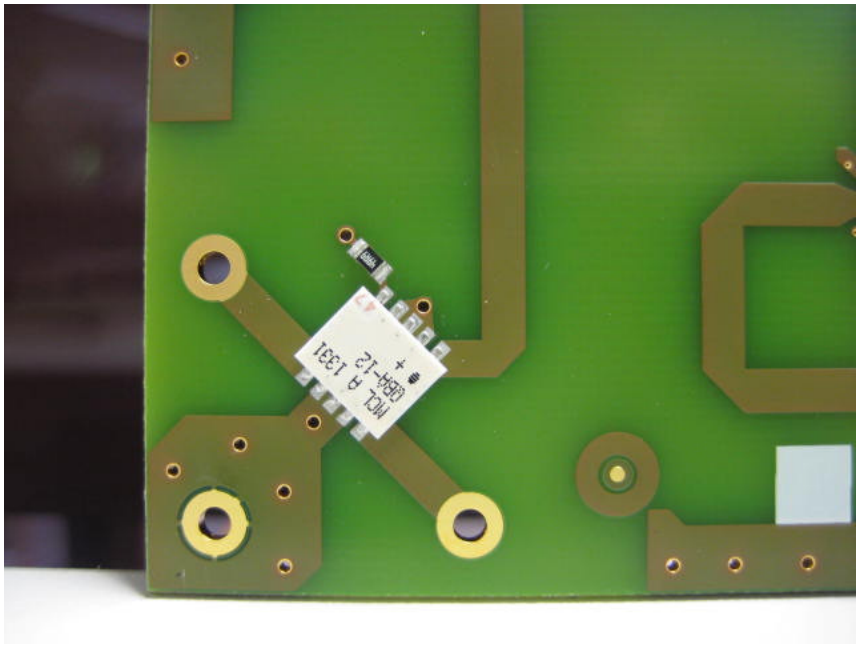
5.3.4.2 Detail 1



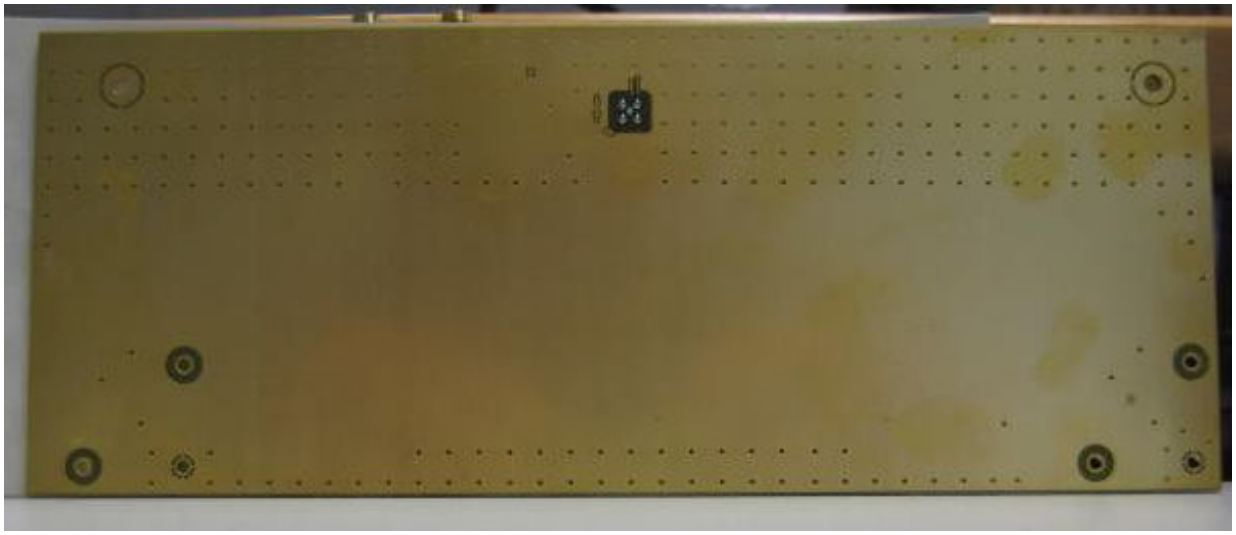
5.3.4.3 Detail 2



5.3.4.4 Detail 3



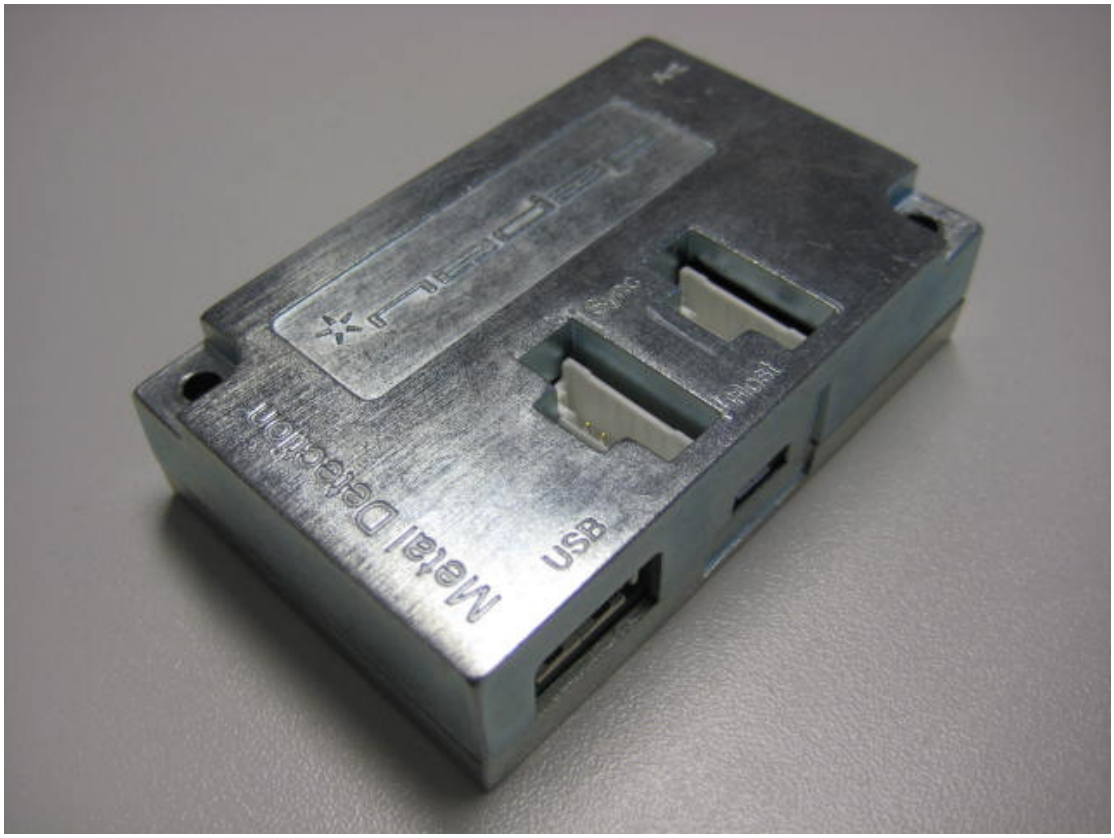
5.3.5 Back side



6 Metal detection transmitter PCB

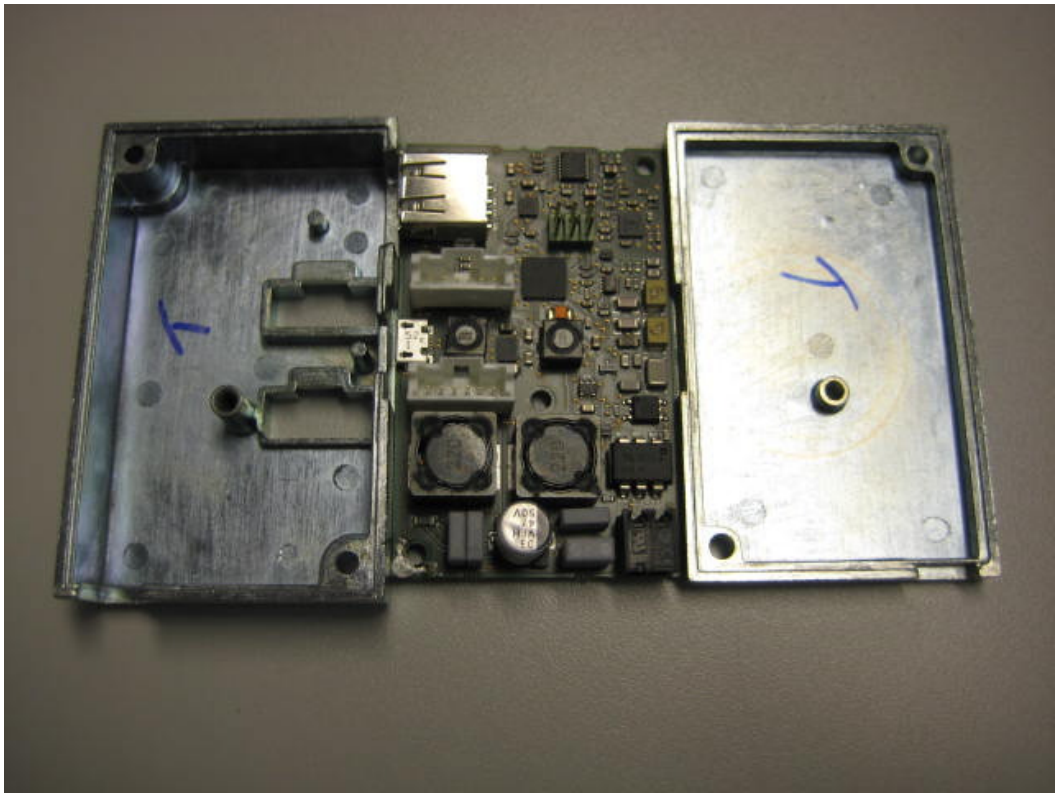
6.1 In housing

6.1.1 Front side

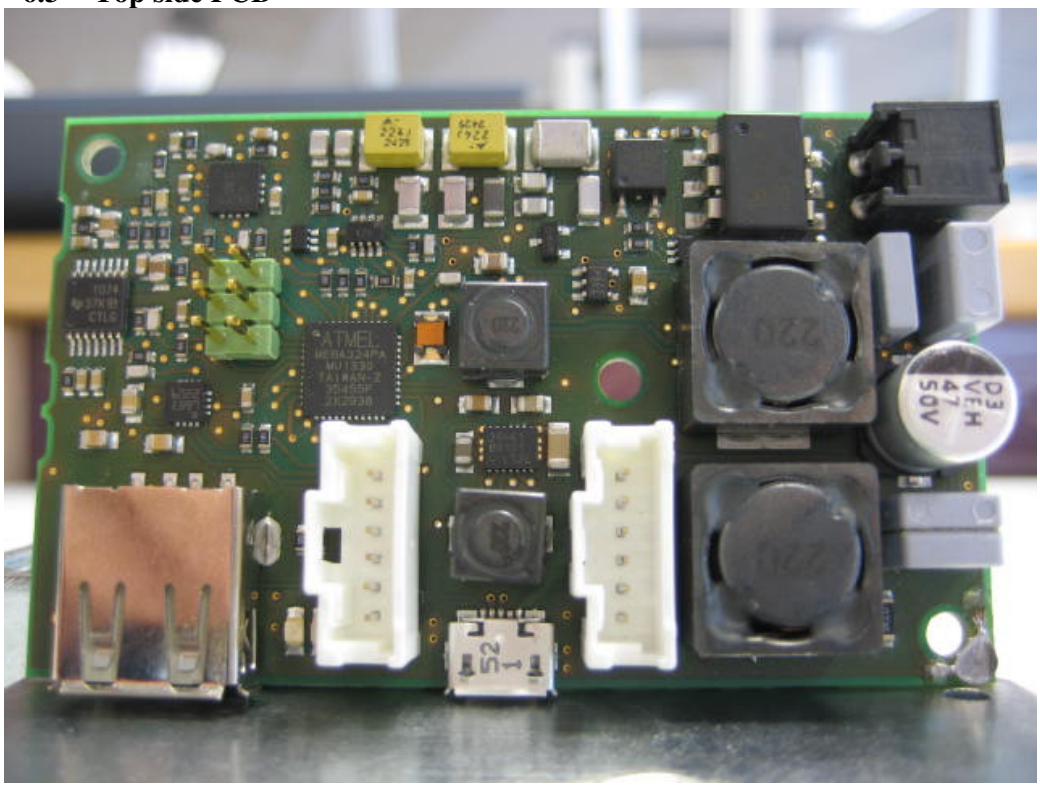


6.1.2 Back side

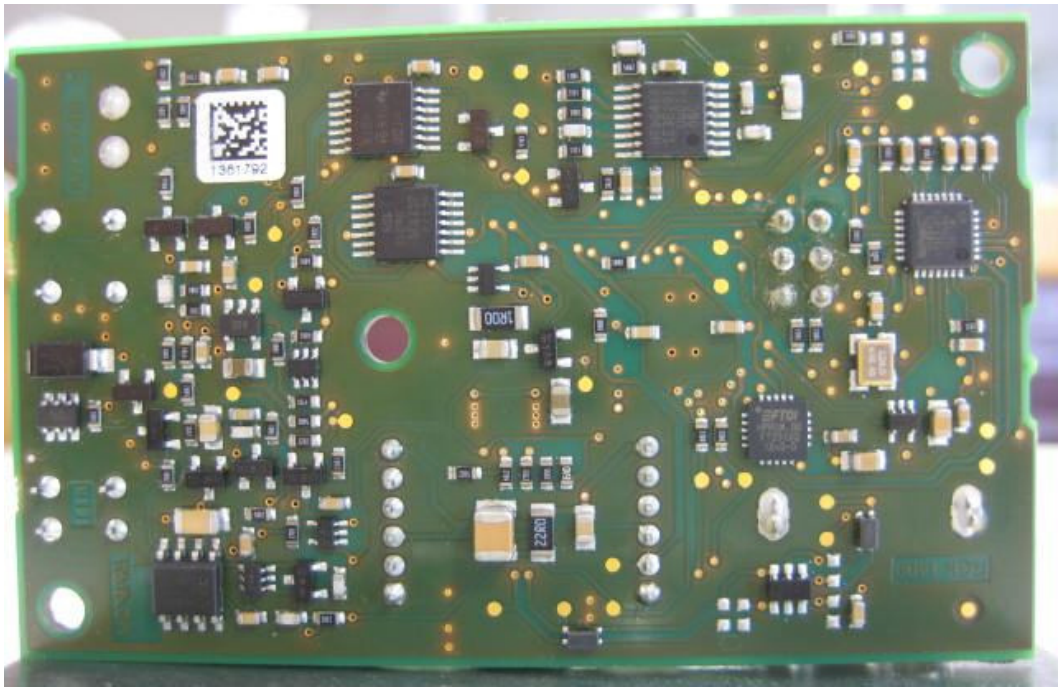
6.2 Metal detection box dismantled



6.3 Top side PCB

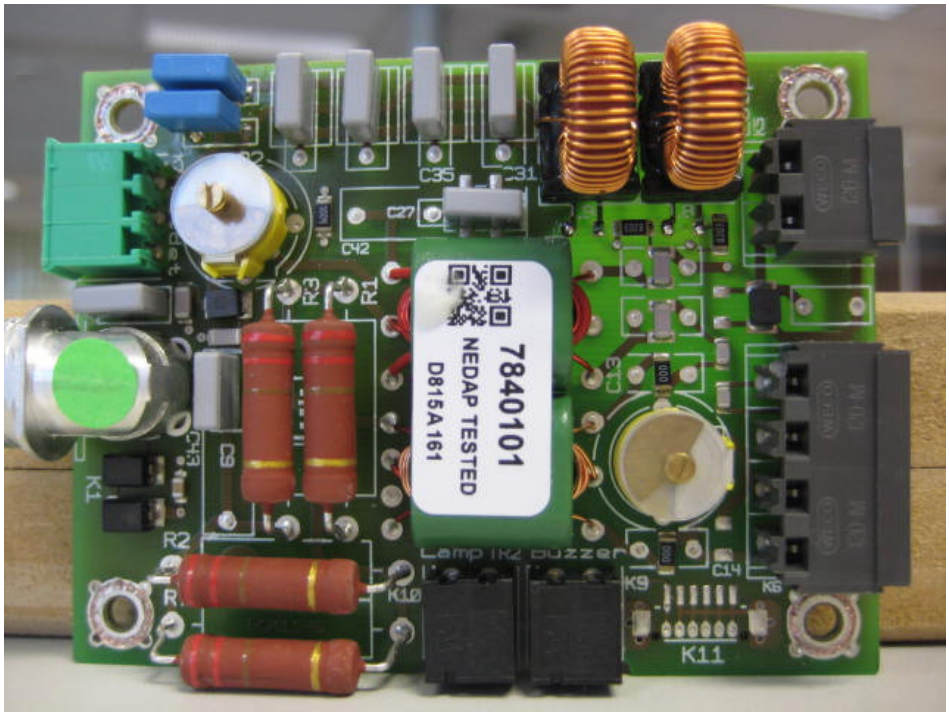


6.4 Back side PCB

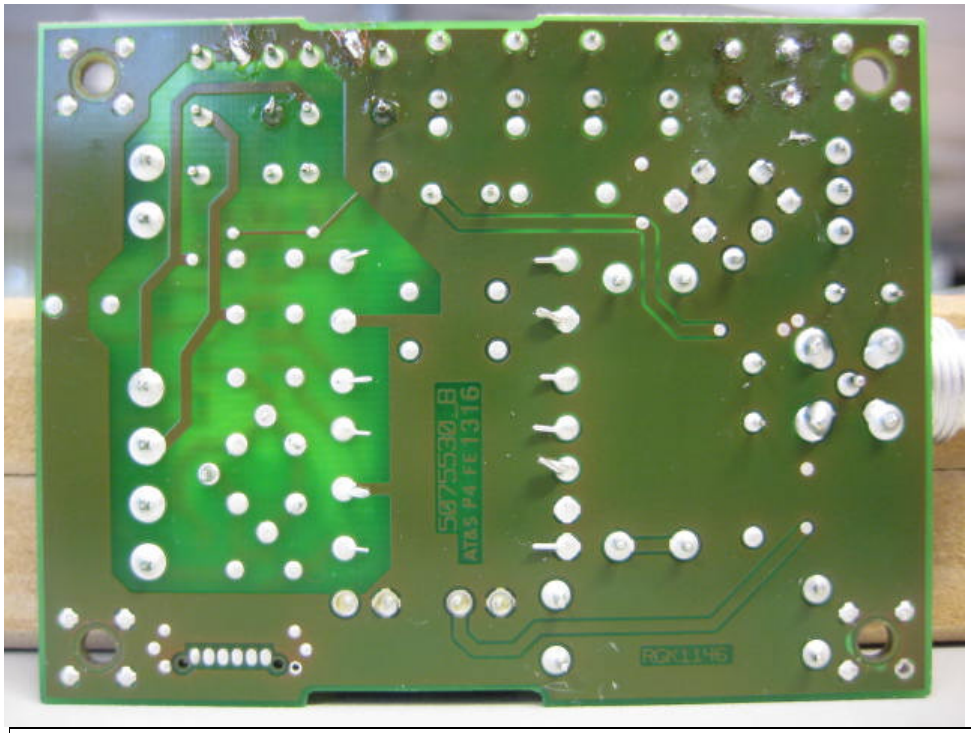


7 Antenna matching Printed Circuit Board

7.1 Front side



7.2 Back side



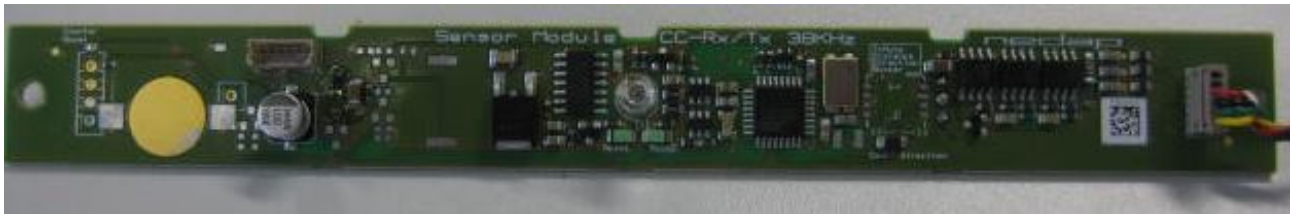
8 CC (Customer counter)

8.1 Enclosure

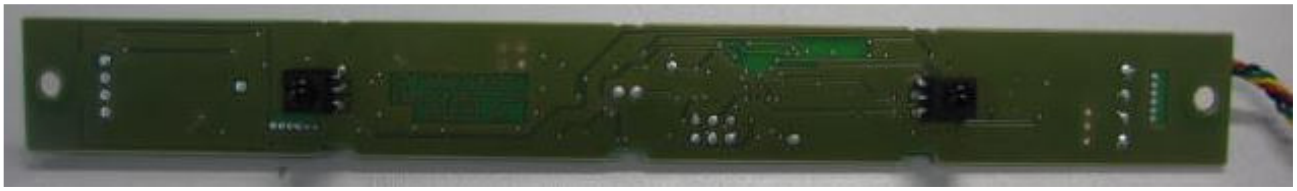
8.2 Unit dismantled

8.3 CC Printed Circuit Boards

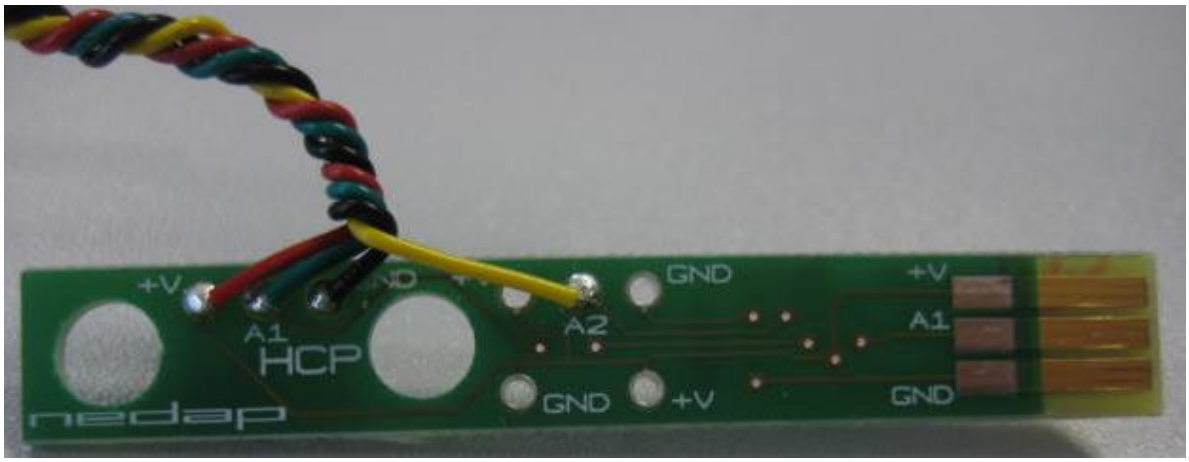
8.4 Front side PCB



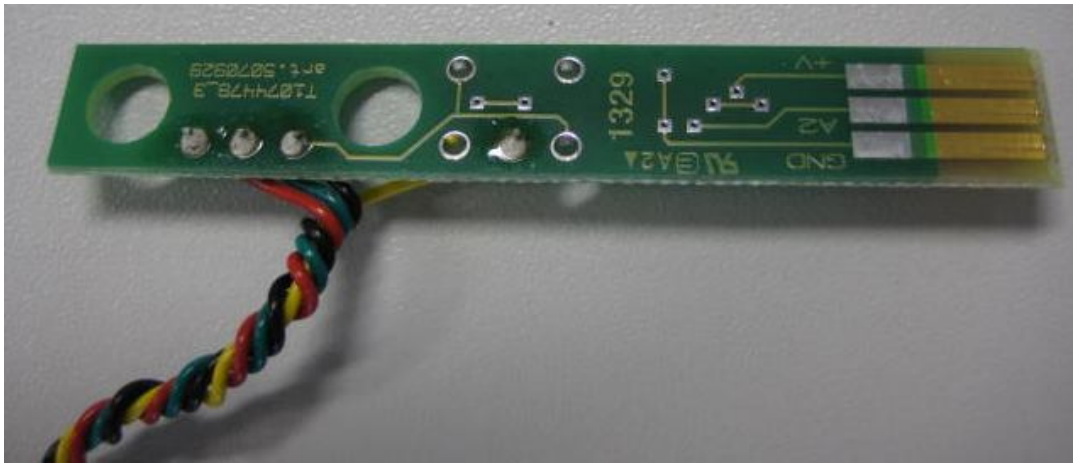
8.5 Back side PCB



8.6 Connector PCB front side



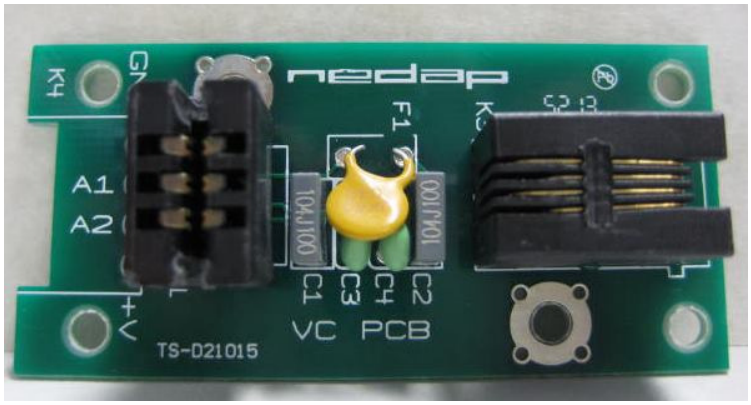
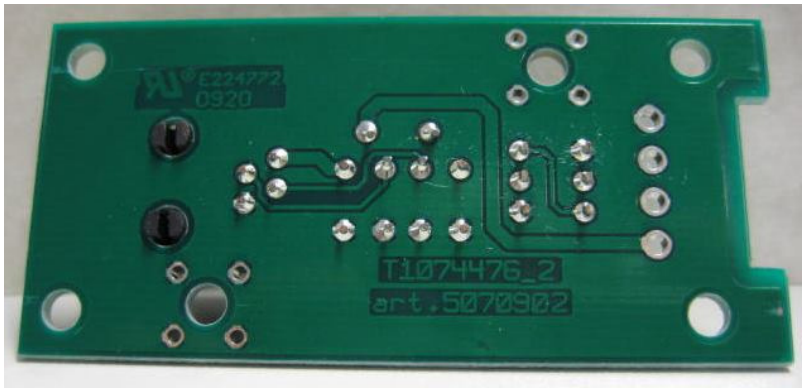
8.7 Connector PCB back side



9 LED printed Circuit Board

9.1 In enclosure

9.2 Front side



9.3 Back side