



**INTERNAL PHOTOGRAPHS OF AN ANTI
PILFERAGE SYSTEM, BRAND NEDAP, MODEL
NCC1/NR2/NT2/IO: ANTENNA OVERVIEW**

FCC listed : 90828
Industry Canada : IC3501
VCCI registered : R-1518, C-1598

TNO Electronic Products & Services (EPS) B.V.
P.O. Box 15
9822 ZG Niekerk (NL)
Smidshornerweg 18
9822 TL Niekerk (NL)

Telephone: +31 594 505005
Telefax: +31 594 504804

E-mail: info@eps.tno.nl
Web: www.eps.tno.nl



Description of EUT: Anti Pilferage System
Manufacturer: NEDAP N.V.
Brand mark: NEDAP
Model: NCC1/NR2/NT2/IO
FCC ID: CGDIQ-MD4

Description of test item

Test item	:	Anti Pilferage system
Manufacturer	:	N.V. Nederlandsche Apparatenfabriek "NEDAP"
Brand	:	NEDAP
Model	:	n.a.
Serial number	:	n.a.
Revision	:	n.a.
Receipt number	:	n.a.
Receipt date	:	January 4 2004

Applicant information

Applicant's representative	:	Mr. J. Hulshof
Company	:	N.V. Nederlandsche Apparatenfabriek "NEDAP"
Address	:	Parallelweg 2
postal code	:	NL-7141 DC
City	:	Groenlo
PO-box	:	6
Postal code	:	7140 AA
City	:	Groenlo
Country	:	Netherlands
Telephone number	:	+31 544 47 11 11
Telefax number	:	+31 544 46 34 75

This report is in conformity with NEN-EN-ISO/IEC 17025: 2000.

This report shall not be reproduced, except in full, without the written permission of TNO Electronic Products & Services (EPS) B.V.

The test results relate only to the item(s) tested.



Description of EUT: Anti Pilferage System
Manufacturer: NEDAP N.V.
Brand mark: NEDAP
Model: NCC1/NR2/NT2/IO
FCC ID: CGDIQ-MD4

Table of contents

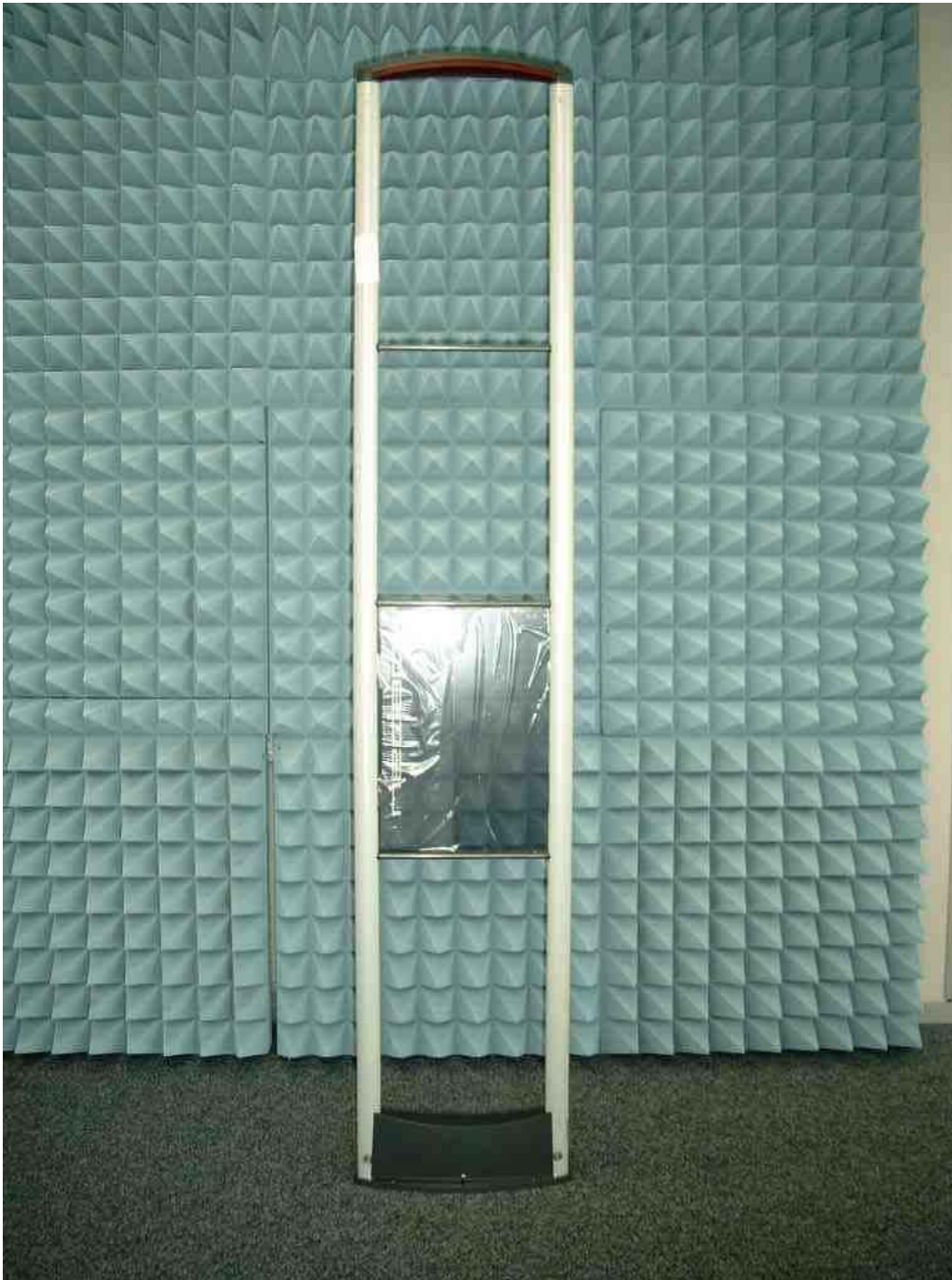
1	Explanation	4
2	Internal Photos CGDIQ-MD4, Antenna type:EQ-30	4
2.1	Front View	4
2.2	Rear view	5
2.3	Front view (open)	6
2.4	Rear view (open)	7
2.5	Antenna Tuning PCB copper side	8
2.6	Antenna Tuning PCB component side	9
2.7	Joining assembly.....	9
2.8	Joining assembly PCB copper side.....	9
2.9	Joining assembly PCB component side.....	9
2.10	Sensor close up EQ 45	9
2.11	Sensor connect PCB copper side	9
2.12	Sensor connect PCB component side	9
2.13	Customer Count Rx Assy	9
2.14	Customer Count Tx Assy	9
3	Internal Photos CGDIQ-MD4, Antenna type:EQ-45	15
3.1	Front View	15
3.2	Rear view	16
3.3	Front view (open)	17
3.4	Rear view (open)	18
3.5	Antenna Tuning PCB copper side	19
3.6	Antenna Tuning PCB component side	20
3.7	Joining assembly.....	21
3.8	Joining assembly PCB copper side.....	22
3.9	Joining assembly PCB component side.....	23
3.10	Sensor connect PCB copper side	24
3.11	Sensor connect PCB component side	25
3.12	Metal detector TX copper side	26
3.13	Metal detector TX component side	27
3.14	Metal detector Rx PCB copper side	28
3.15	Metal detector Rx PCB component side	28
4	W_CCRXTX	29
4.1	External front	29
4.2	External back	29
4.3	Internal	31

1 Explanation

The photos shown in this document are of all integrated electronics contained in the different types of antennas. To limit the amount of pictures, the external photos shown are of 1 type of antenna. Of all electronic assemblies, present in the antennas, this document shows minimum one example.

2 Internal Photos CGDIQ-MD4, Antenna type:EQ-30

2.1 Front View



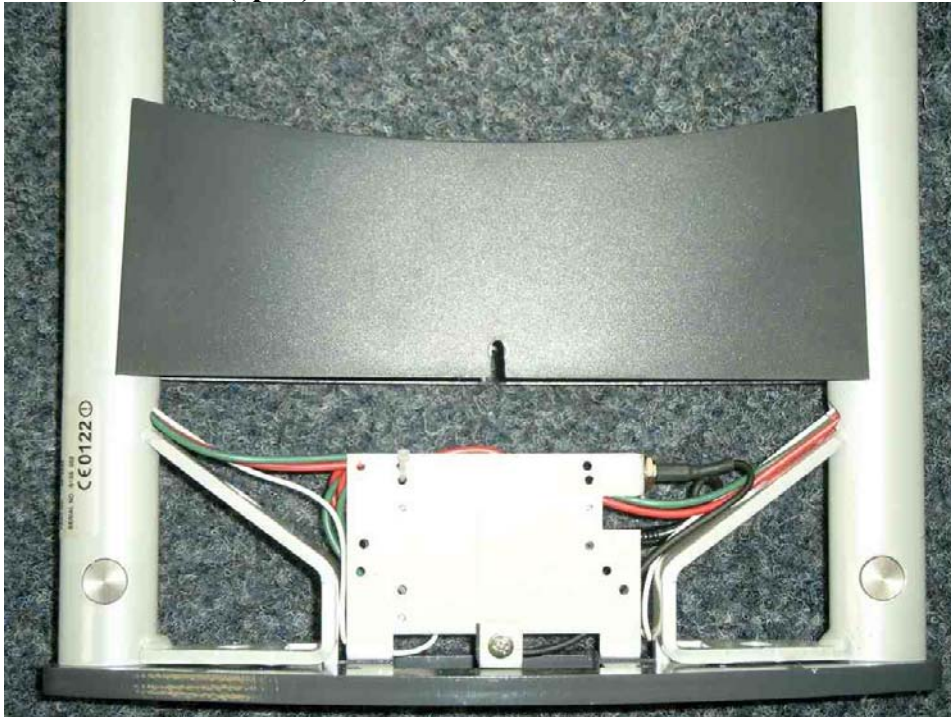
2.2 Rear view



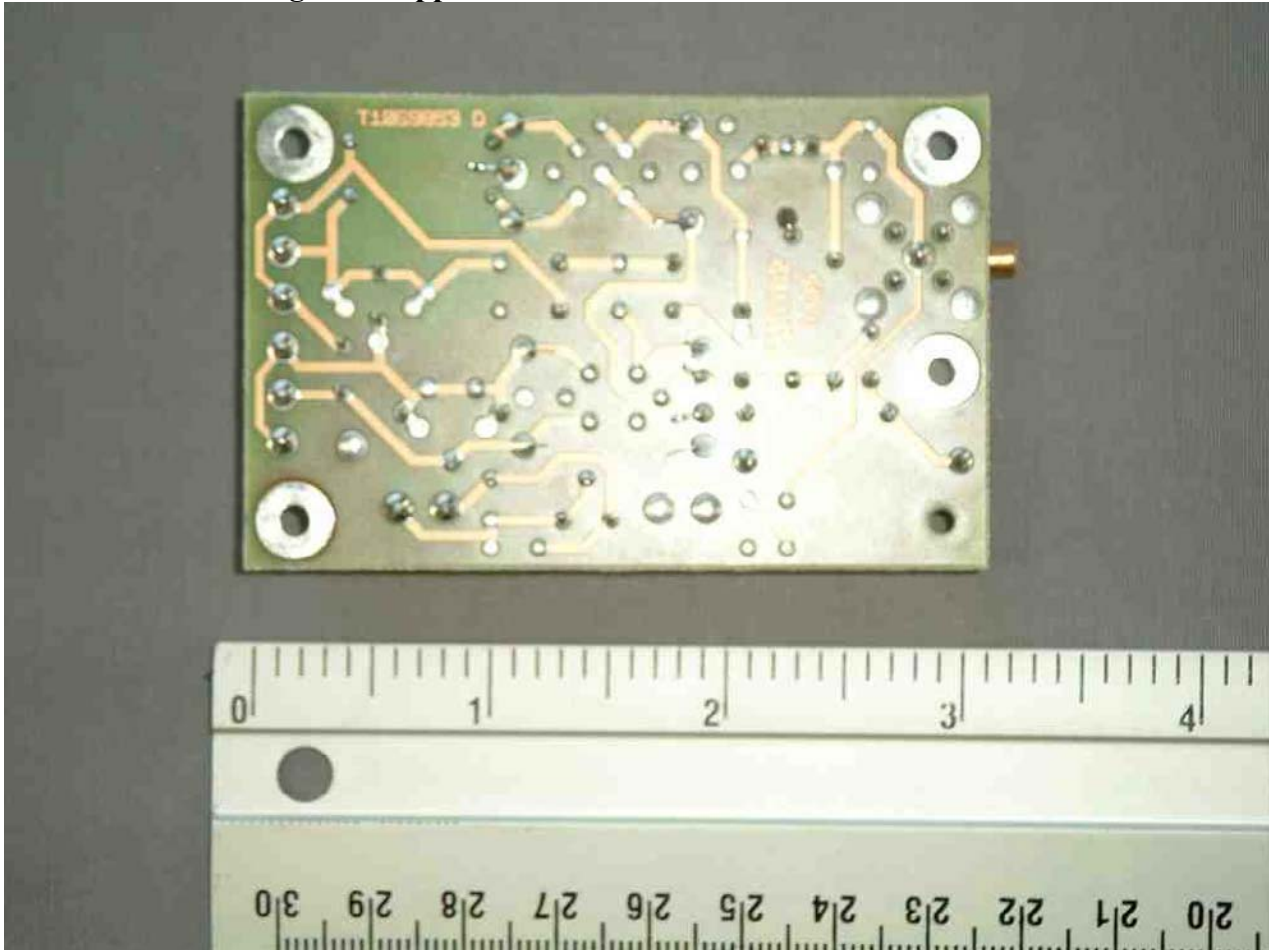
2.3 Front view (open)



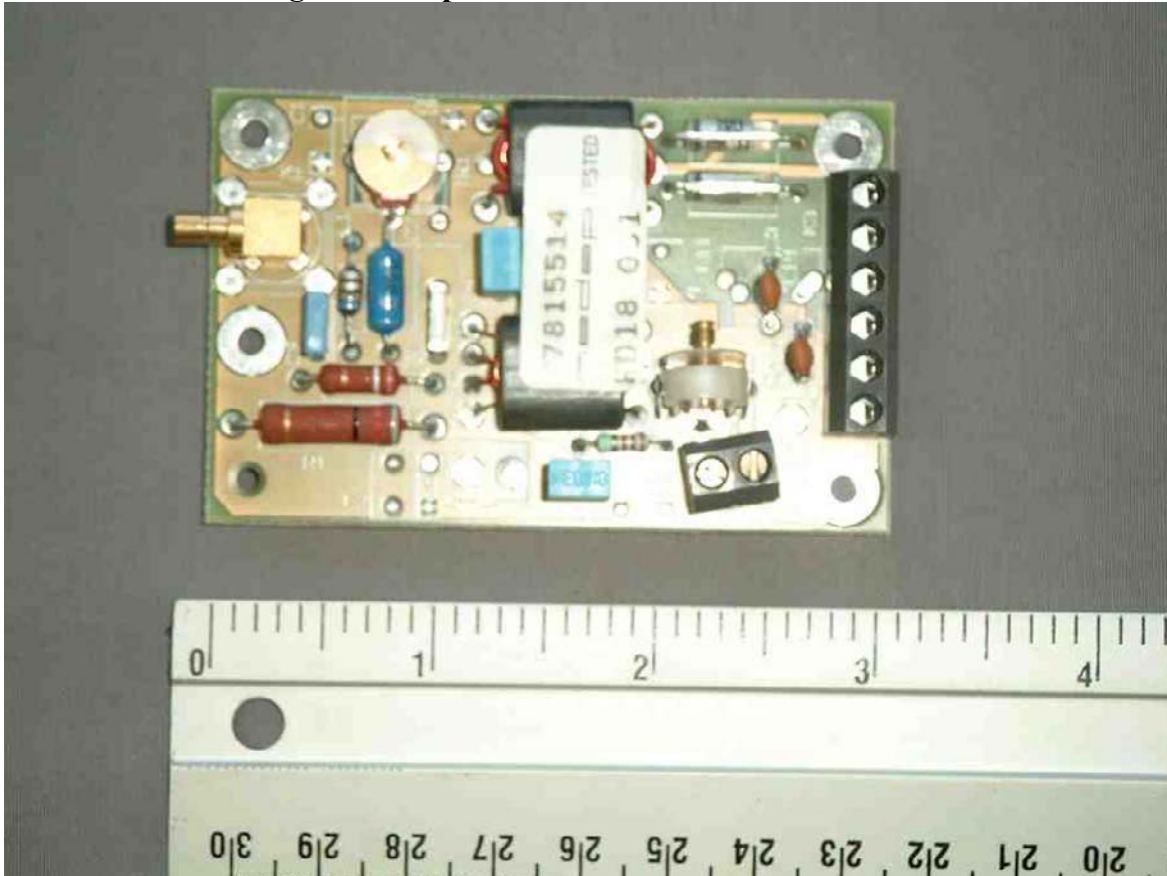
2.4 Rear view (open)



2.5 Antenna Tuning PCB copper side



2.6 Antenna Tuning PCB component side



2.7 Joining assembly

n.a.

2.8 Joining assembly PCB copper side

n.a.

2.9 Joining assembly PCB component side

n.a.

2.10 Sensor close up EQ 45

n.a.

2.11 Sensor connect PCB copper side

n.a.

2.12 Sensor connect PCB component side

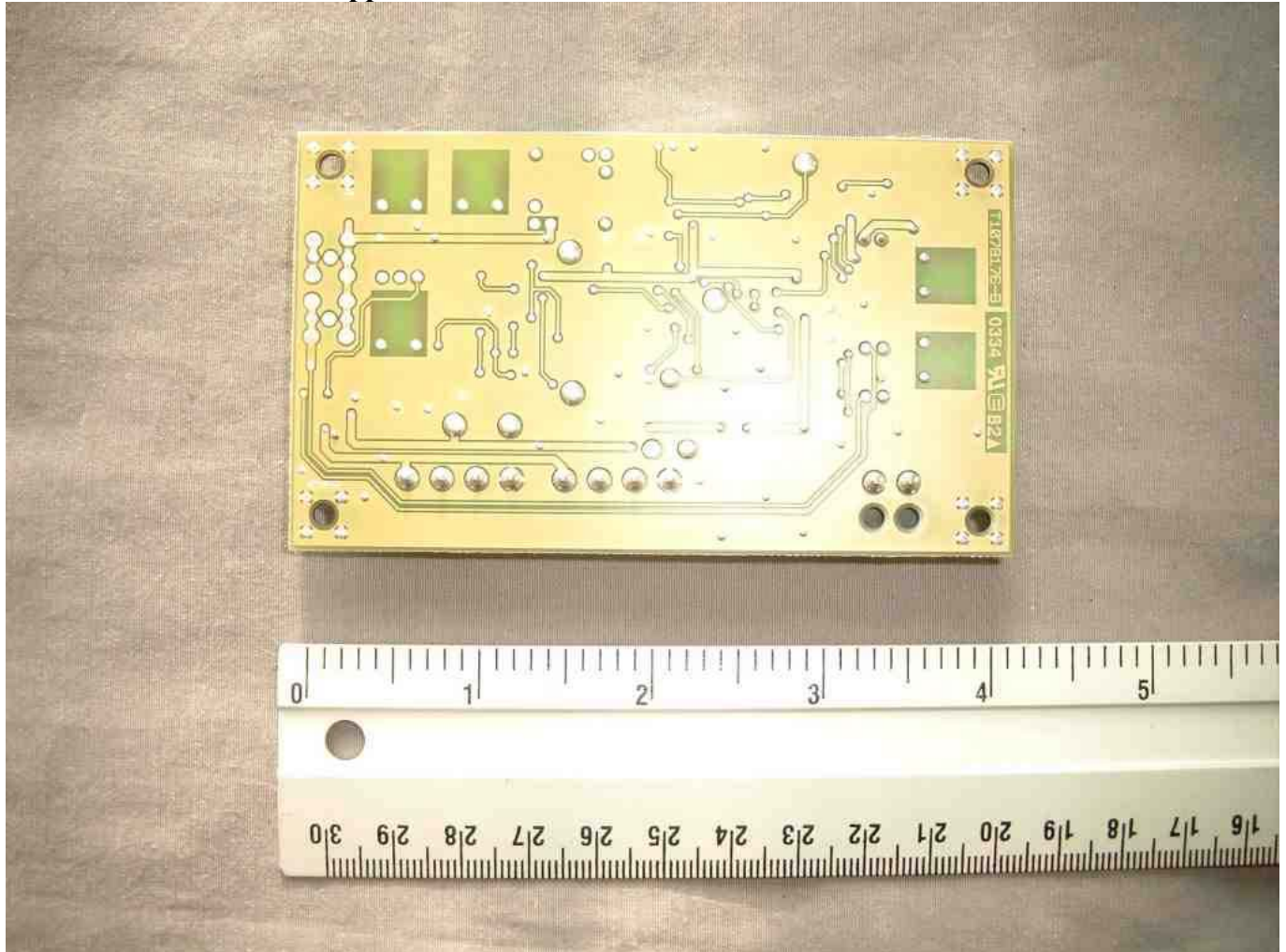
n.a.

2.13 Customer Count Rx Assy

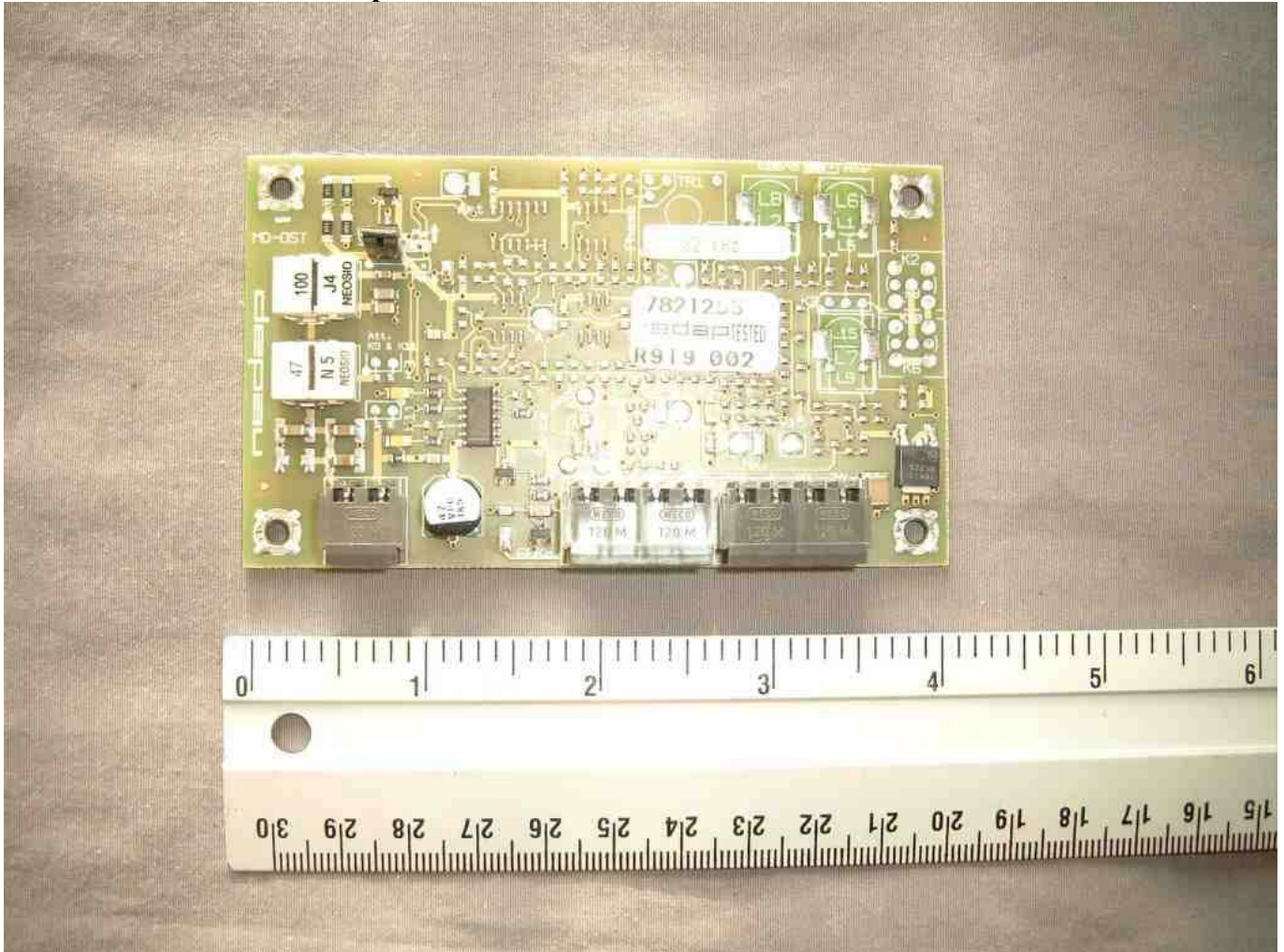
2.14 Customer Count Tx Assy

N.a.

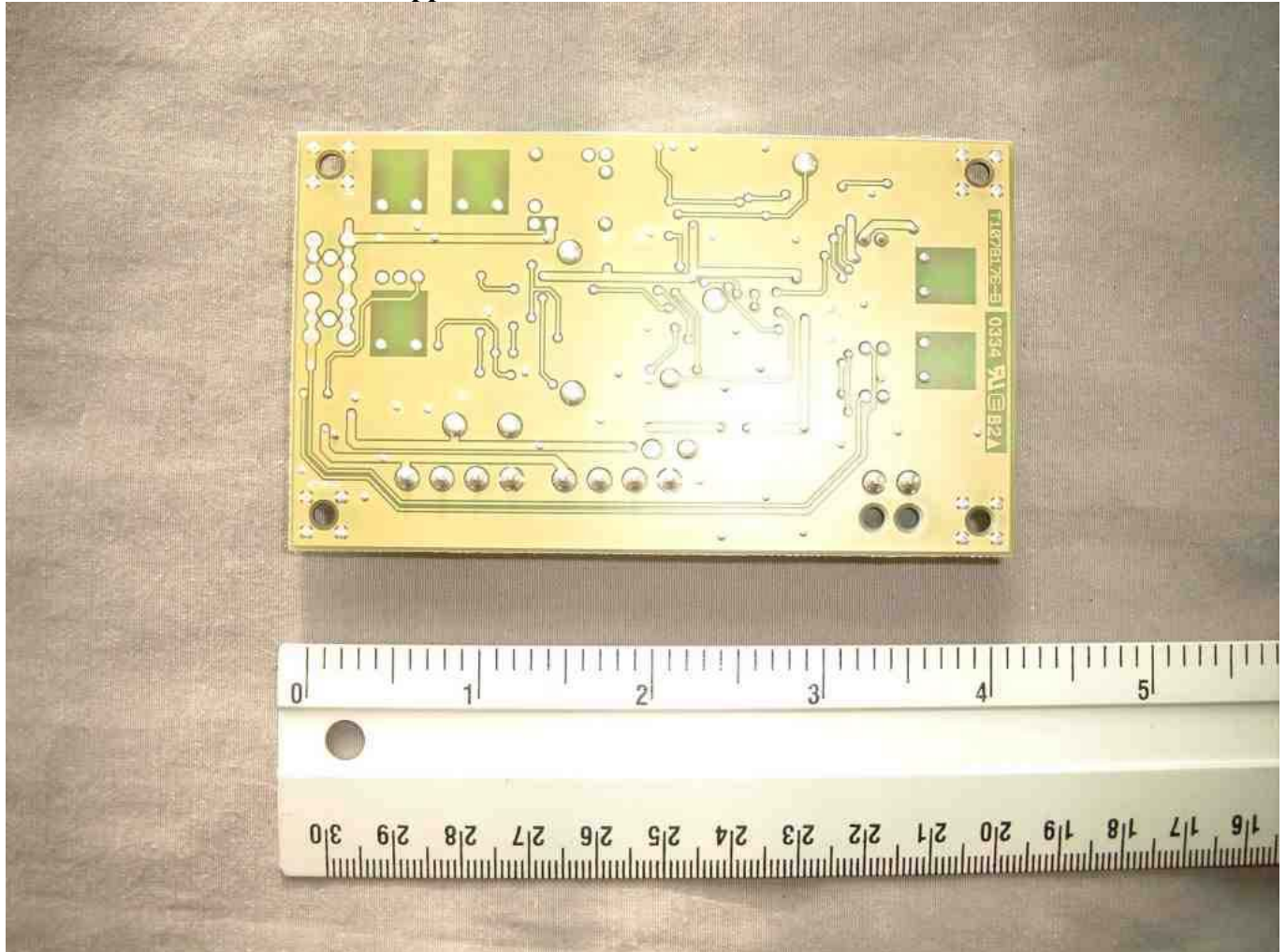
2.15 Metal detector TX copper side



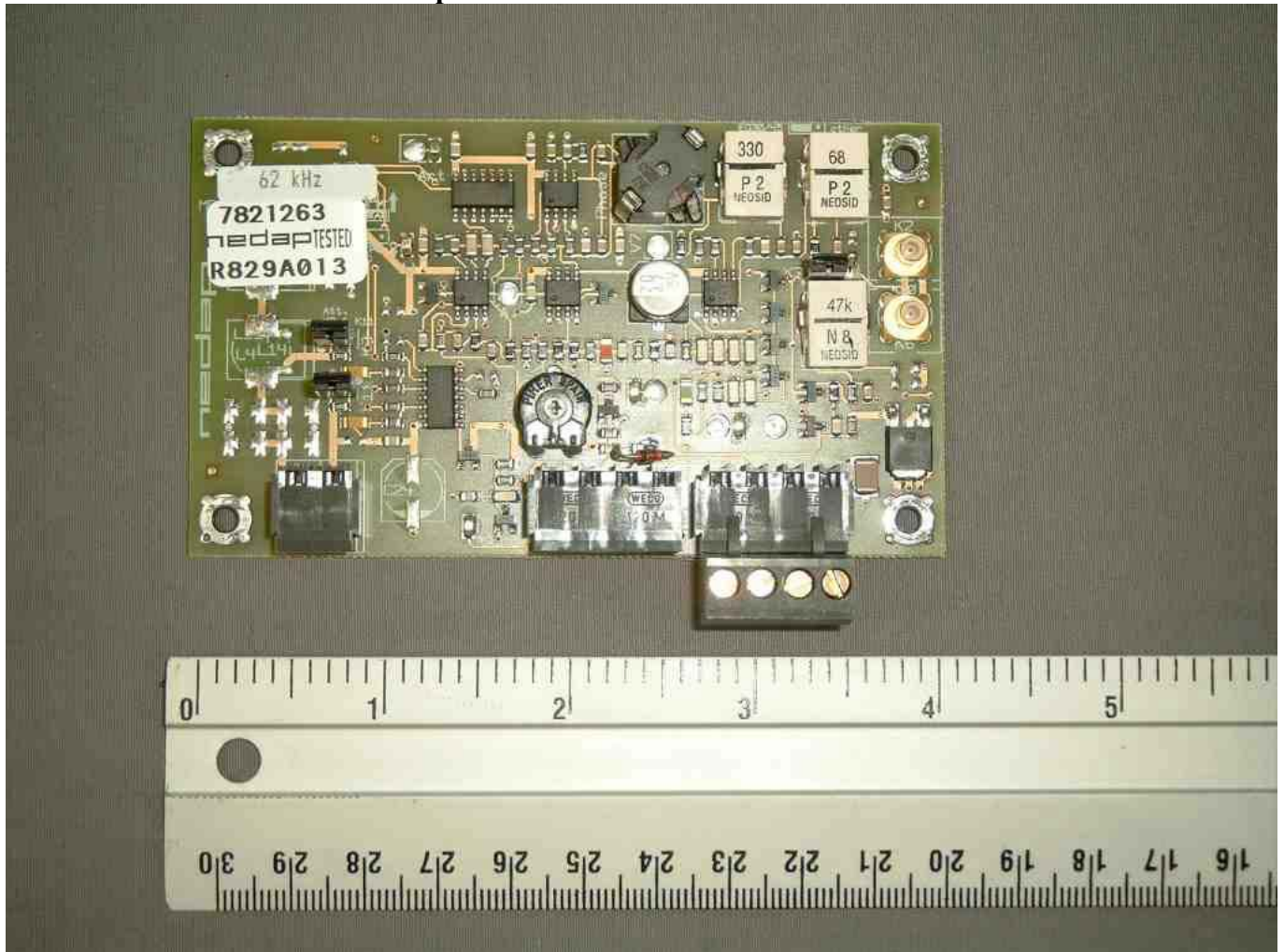
2.16 Metal detector TX component side



2.17 Metal detector Rx PCB copper side



2.18 Metal detector Rx PCB component side





Description of EUT: Anti Pilferage System
Manufacturer: NEDAP N.V.
Brand mark: NEDAP
Model: NCC1/NR2/NT2/IO
FCC ID: CGDIQ-MD4

3 Internal Photos CGDIQ-MD4, Antenna type:EQ-45

3.1 Front View



3.2 Rear view



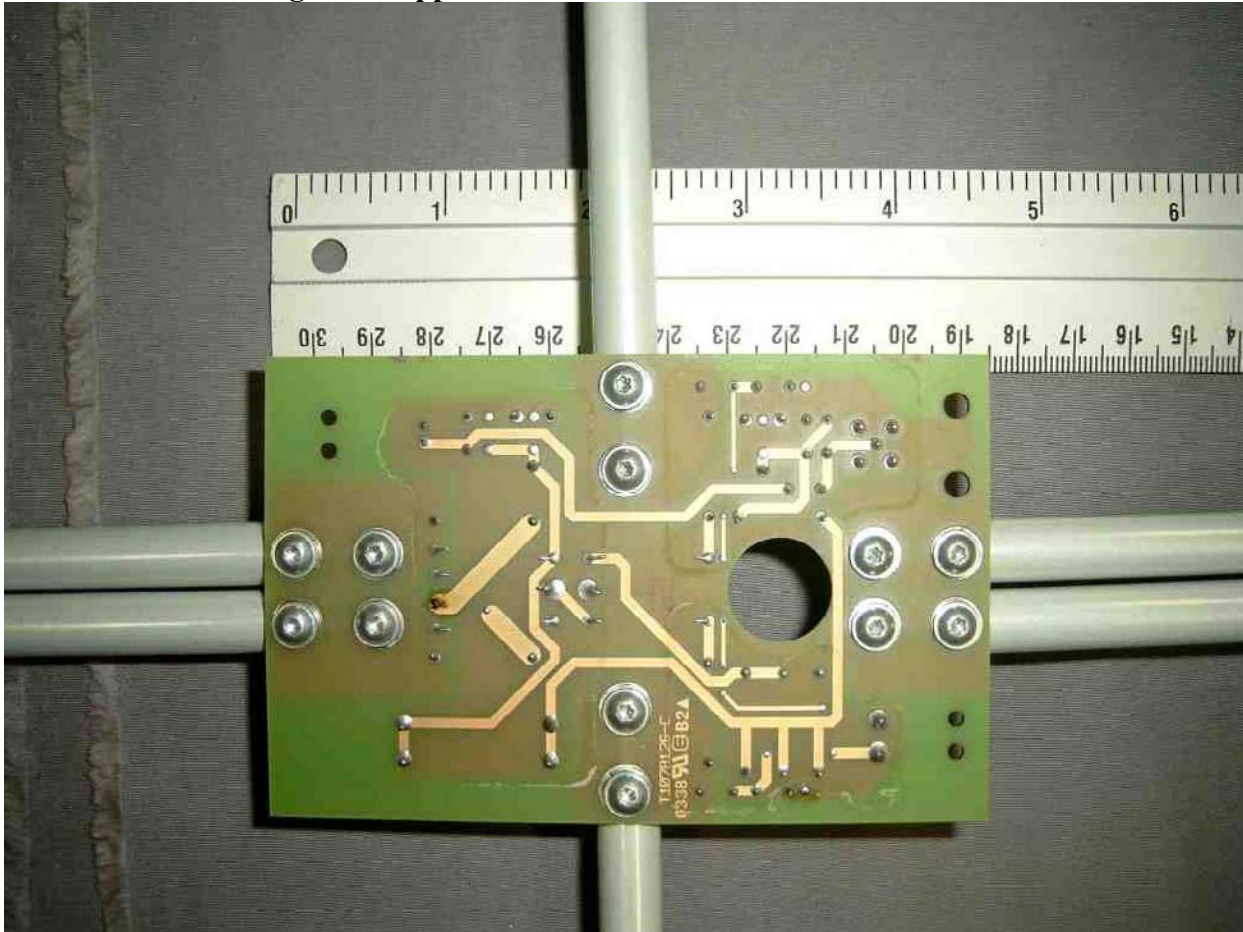
3.3 Front view (open)



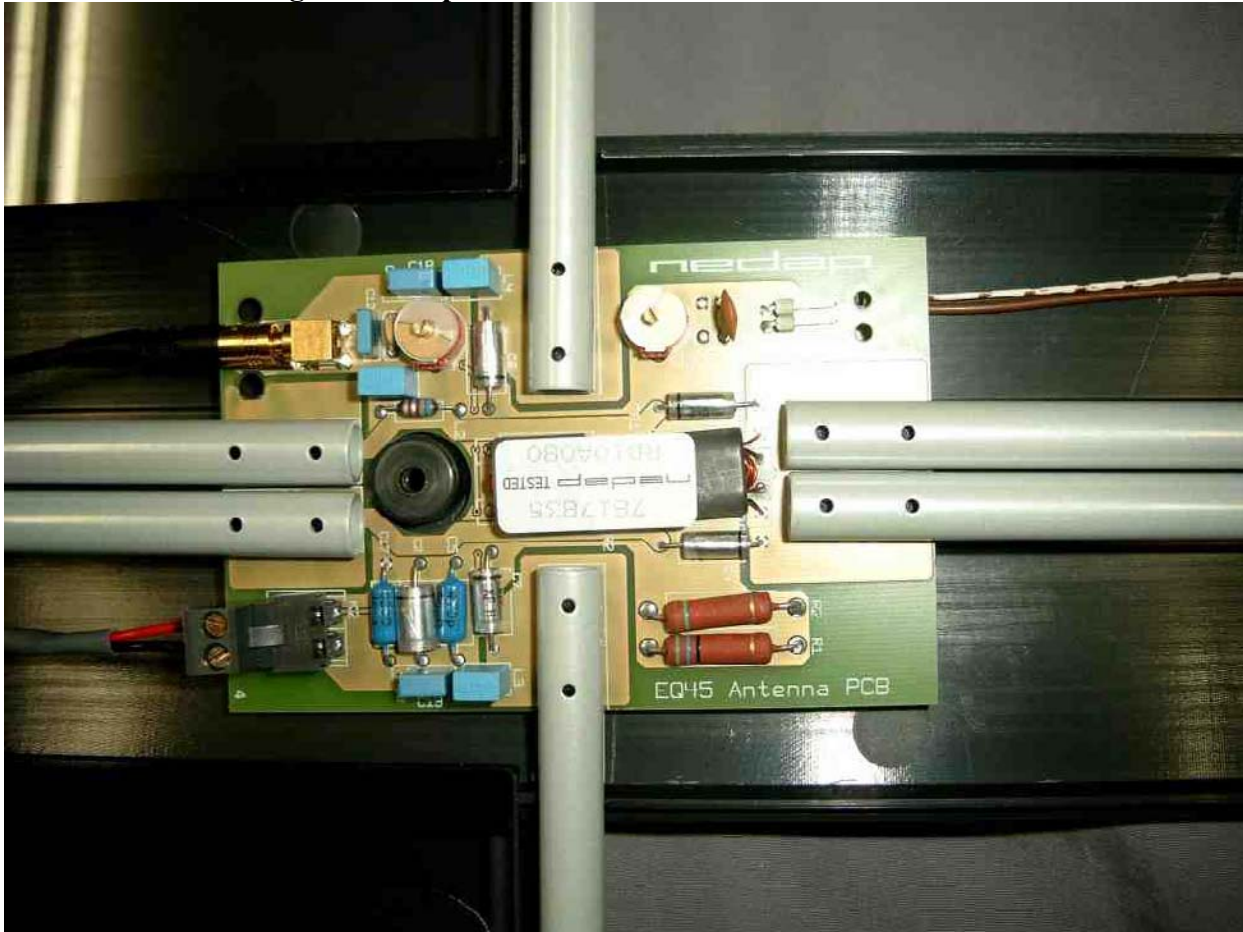
3.4 Rear view (open)



3.5 Antenna Tuning PCB copper side



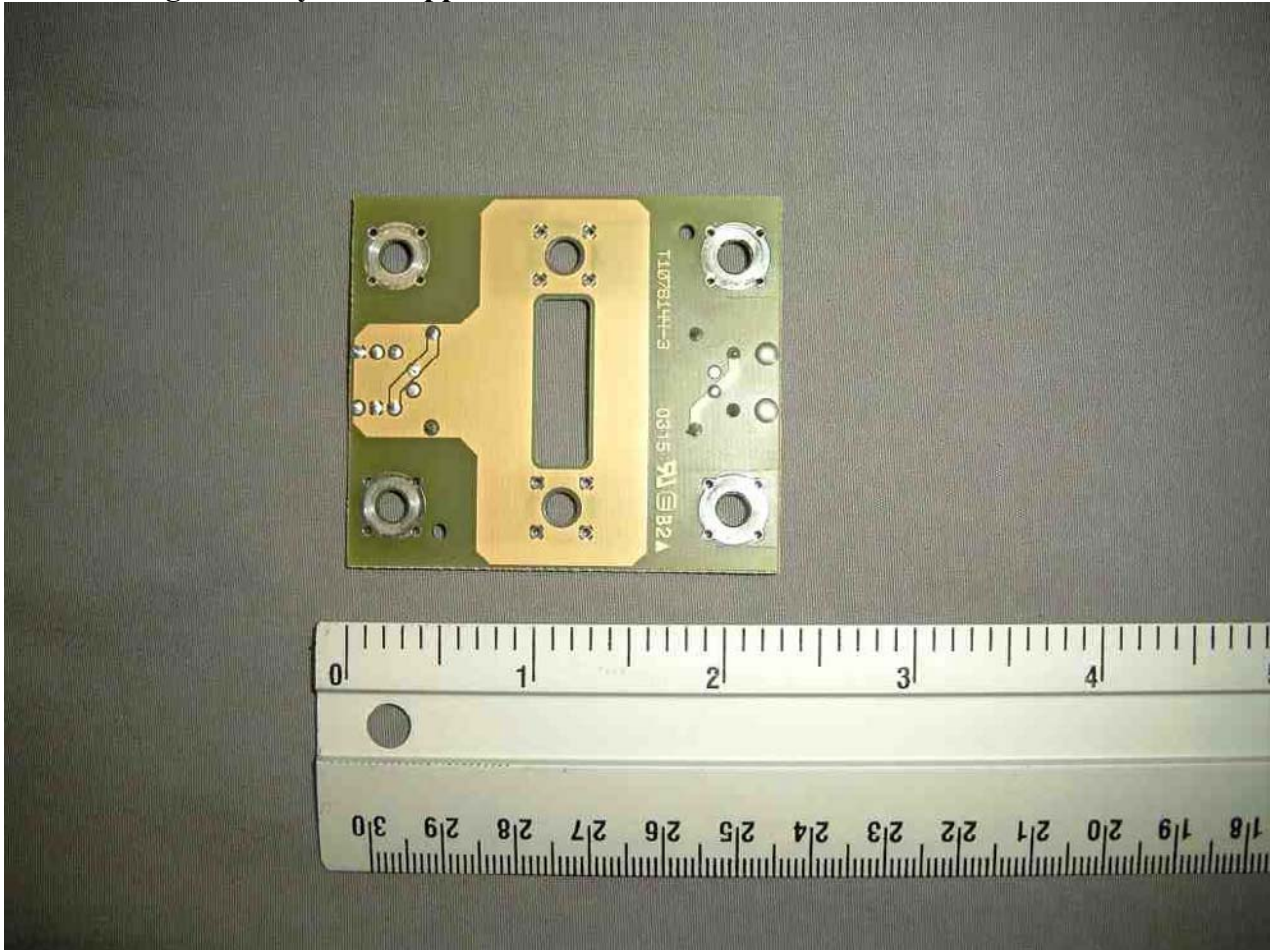
3.6 Antenna Tuning PCB component side



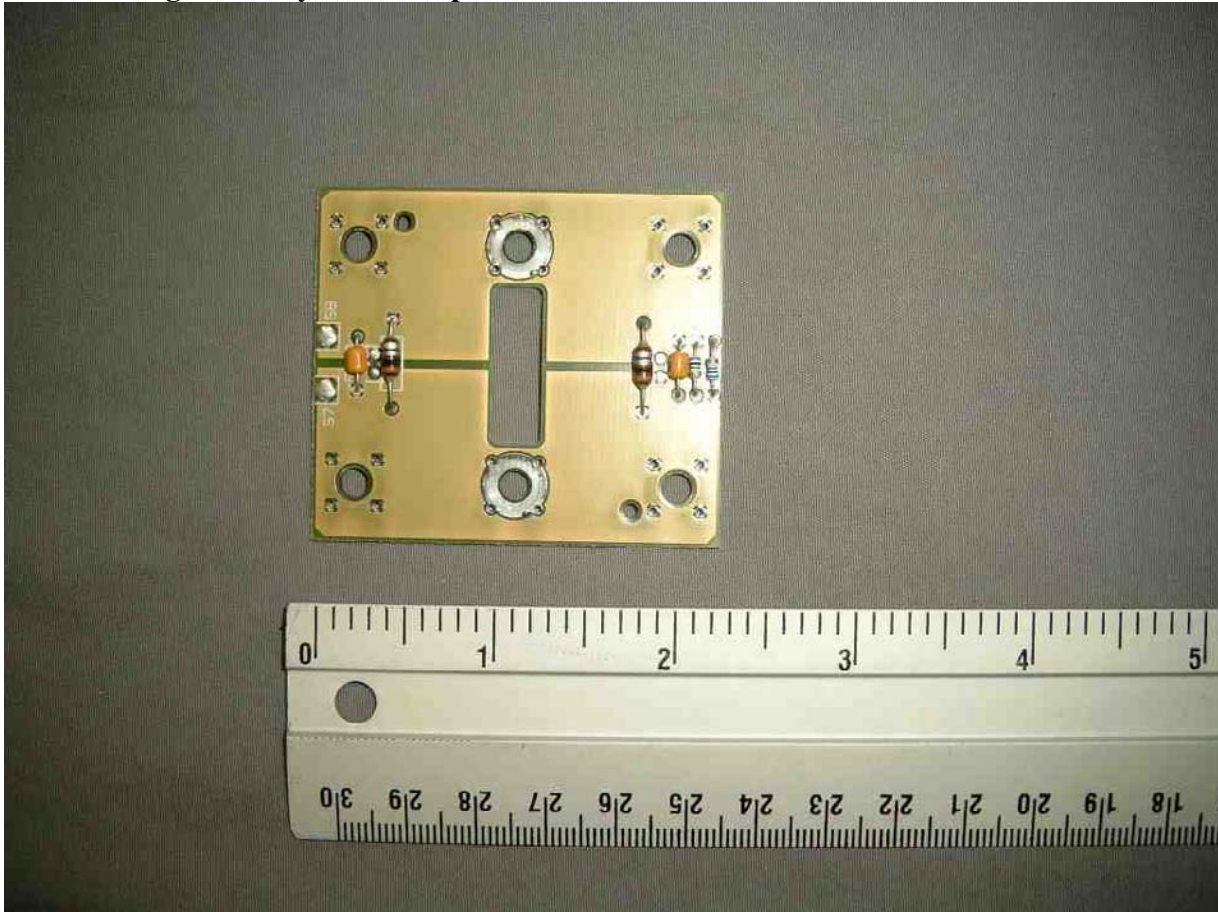
3.7 Joining assembly



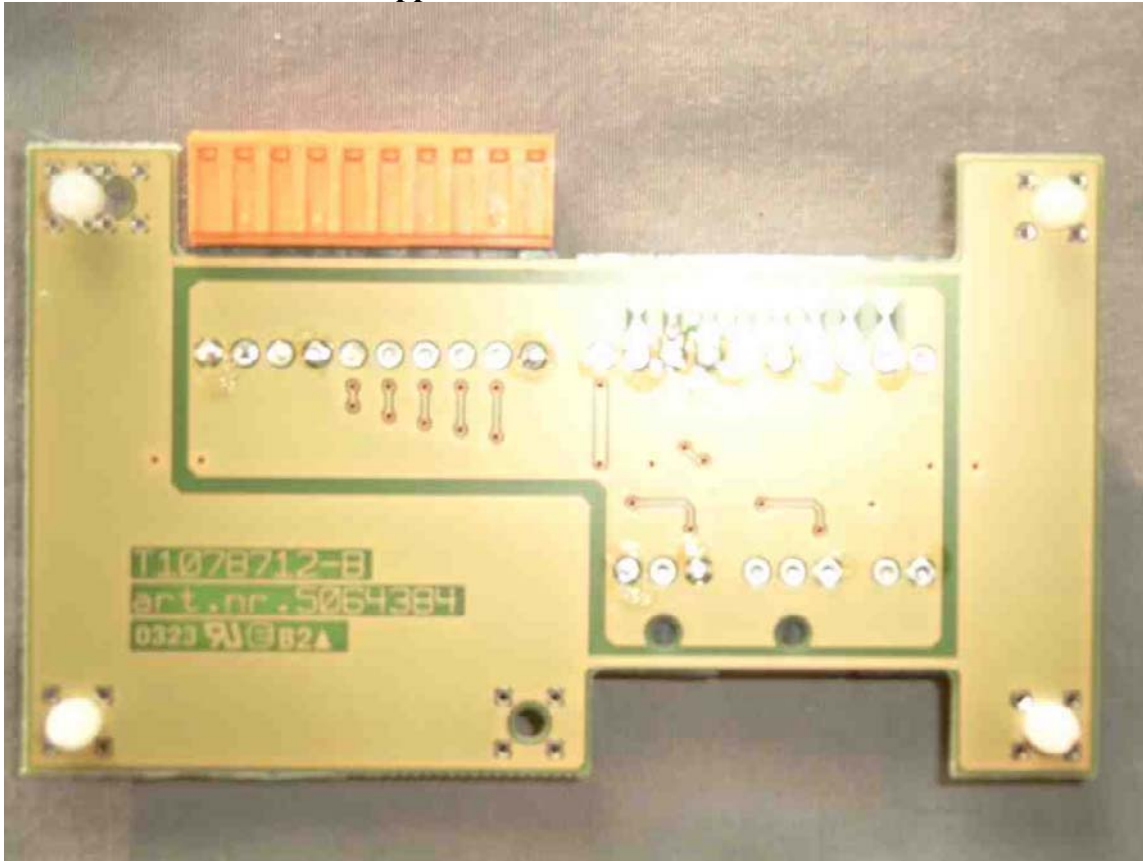
3.8 Joining assembly PCB copper side



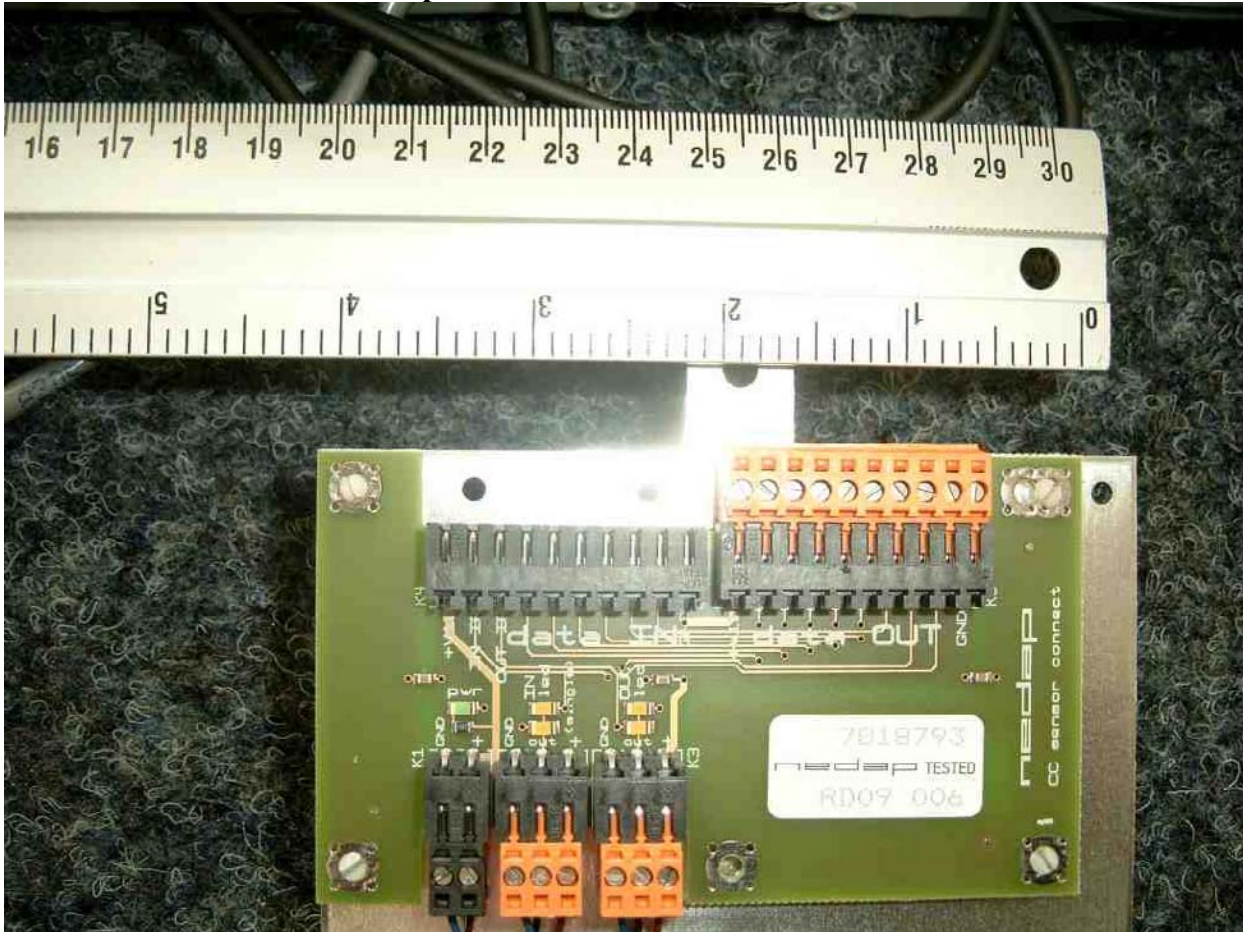
3.9 Joining assembly PCB component side



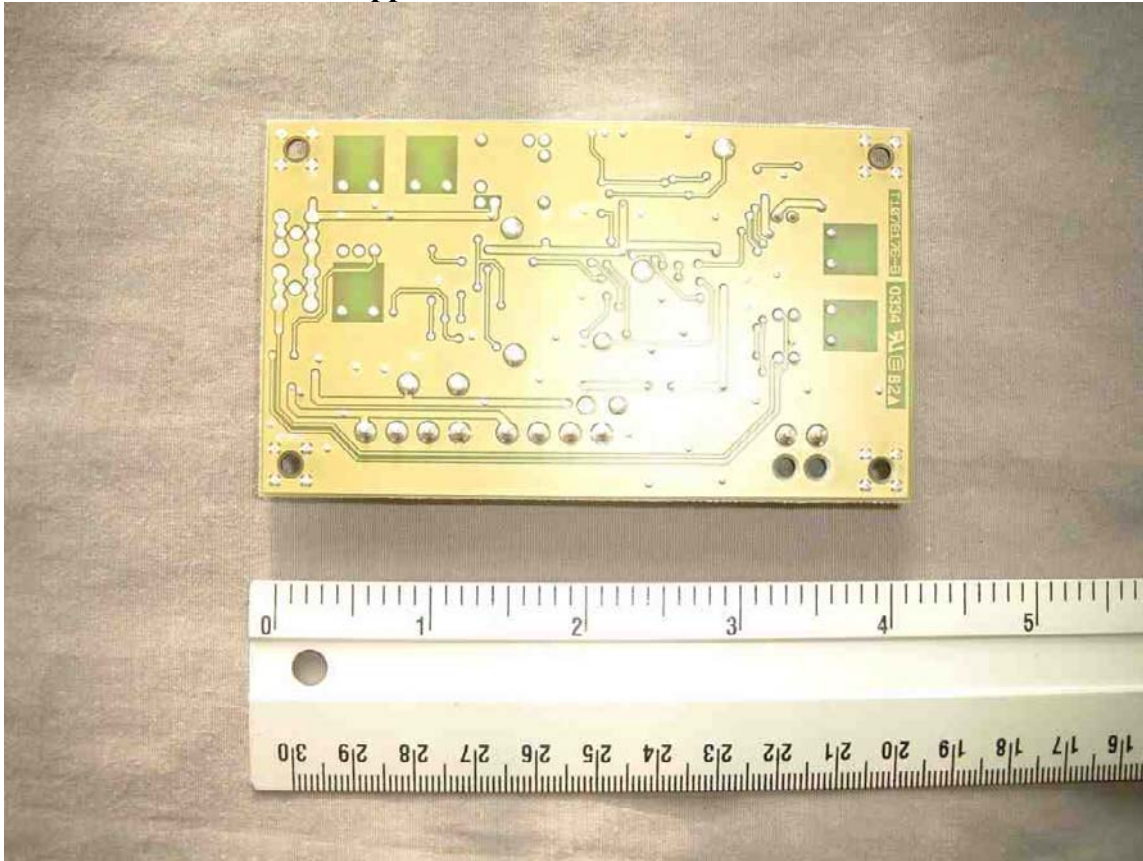
3.10 Sensor connect PCB copper side



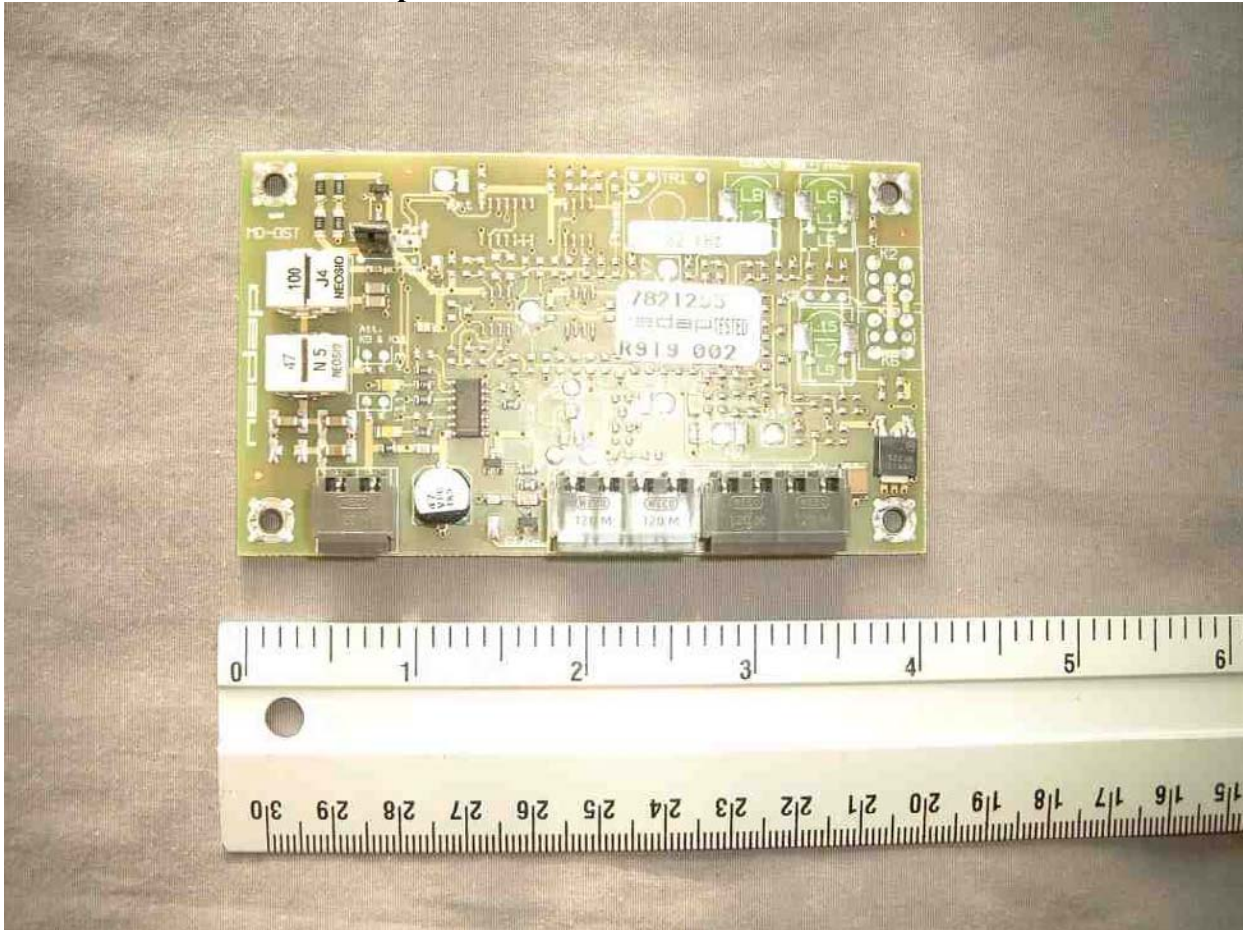
3.11 Sensor connect PCB component side



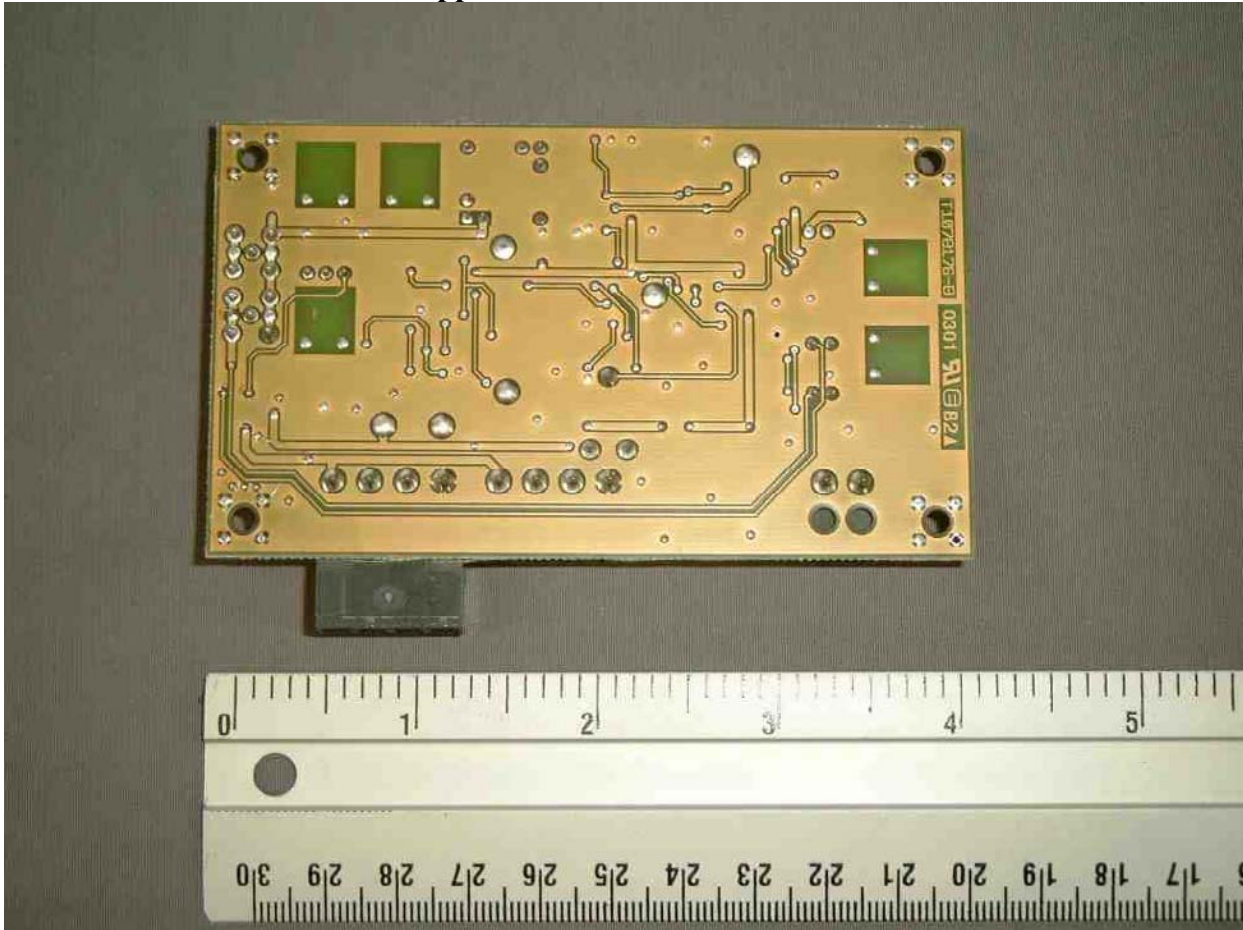
3.12 Metal detector TX copper side



3.13 Metal detector TX component side



3.14 Metal detector Rx PCB copper side



3.15 Metal detector Rx PCB component side

4 W_CCRXTX

4.1 External front



4.2 External back



4.3 Internal

(the sensors are the only components in this assembly)

