



**PHOTOGRAPHS OF THE INTEGRATED ANTENNA
OF A 2.4 GHZ MICROWAVE ID SYSTEM, BRAND
NEDAP, MODEL TRANS-IT XS AND TRANS-IT**

FCC listed : 90828
Industry Canada : IC3501

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Description of EUT: 2.4 GHz Microwave ID System
Manufacturer: N.V. Nederlandsche Apparatenfabriek "Nedap"
Brand mark: Nedap
Model: TRANS-IT (series) and TRANS-IT XS (specific)
FCC ID: CGDTRANSIT

Description of test item

Test item : 2.4 GHz Microwave ID System
Manufacturer : N.V. Nederlandsche Apparatenfabriek "Nedap"
Brand : Nedap
Model : TRANS-IT (series) and TRANS-IT XS (specific)
Serial numbers : P909.0003
Revision : n.a.
Receipt number : 1
Receipt date : July 5, 2002

Applicant information

Applicant's representative : Mr. J.A.M. Hulshof
Company : N.V. Nederlandsche Apparatenfabriek "Nedap"
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City : GROENLO
PO-box : 6
Postal code : 7140 AA
City : GROENLO
Country : The Netherlands
Telephone number : +31 544 471 162
Telefax number : +31 544 463 475

Information on EUT box

Manufacturer on box : IDEAS, N.V. Nederlandsche Apparatenfabriek "Nedap"
Address on box : Parallelweg 2e
Postal code : NL-7141 DC Groenlo
PO-box : 103
Postal code : NL-7140 AC Groenlo
Country : The Netherlands

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

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



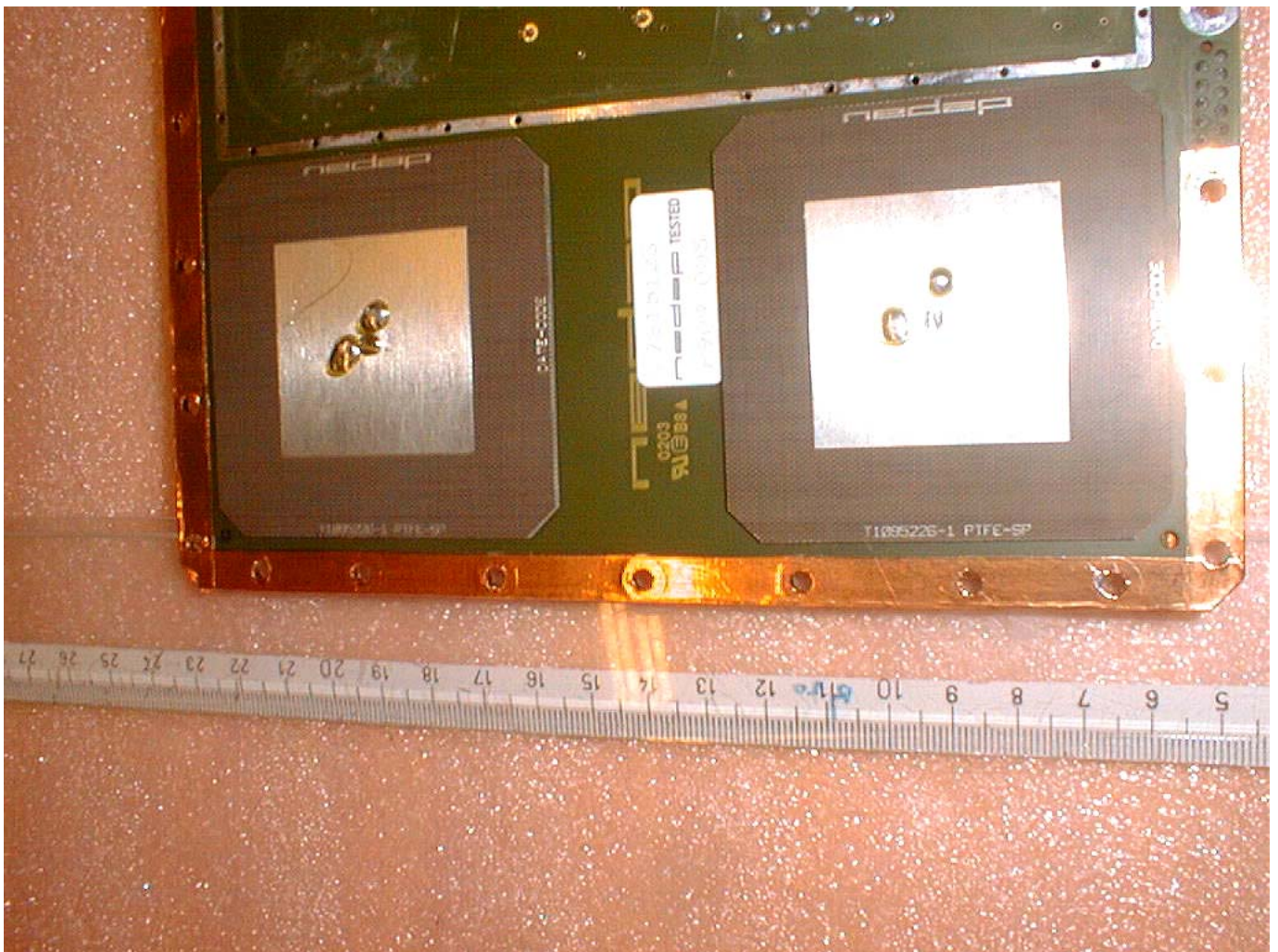
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1 Photograph of antenna side A.

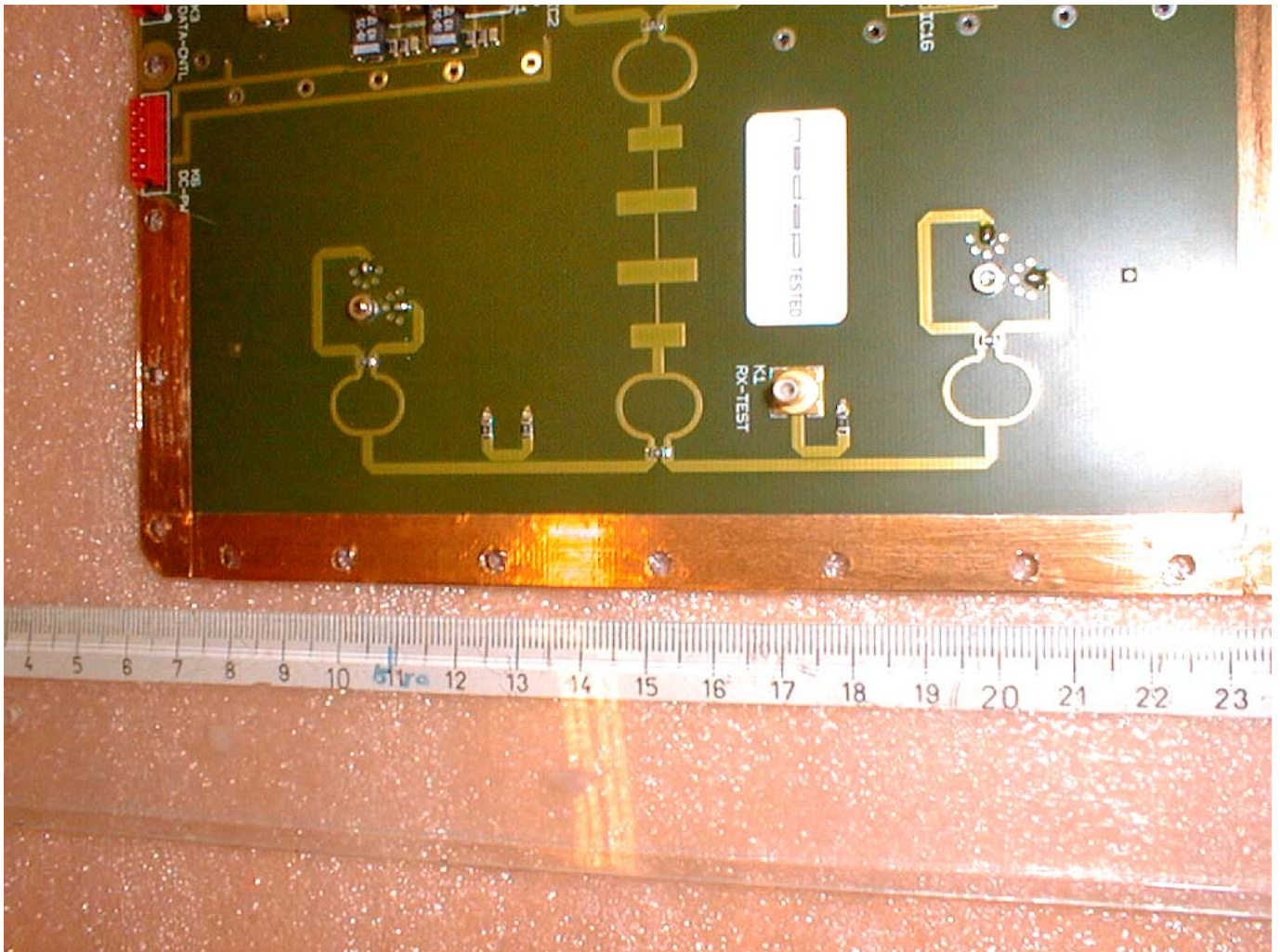
Peak gain : 8 dBi
Material : PTFE 1.6 mm
Description : LHC two patch antenna array integrated on the transceiver board





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2 Photograph of antenna side B.





Antenna description.

Trans-IT uses a separated receive and transmit antenna each consisting out of two left hand circular patch antenna's.

The material used for the patch antenna's is a PTFE material 1.6 mm thick.

The gain including the distribution network is approximately 8 dB.

