

Roll out info

21 Nov 2007

Menno Norden

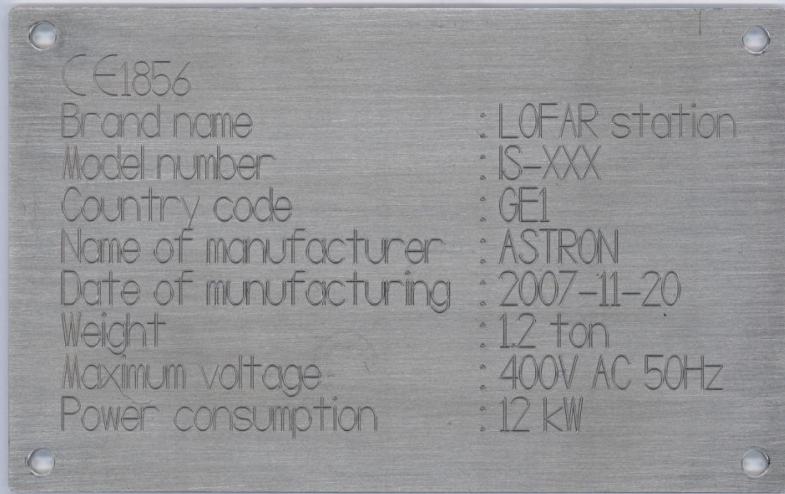


Official hand over of IS-GE-01

- ◆ Tuesday 20 November 2007
 - ⊕ Before RCU firmware update
 - ⊕ Temperature too high inside cabinets
 - ⊕ Remote access of +48V power
- ◆ Conformity Assessment by TNO
 - ⊕ Making all documents available for Assessment
 - ⊕ Collecting CE certificates from standard equipment
 - ⊕ Eim Mulder and Marchel Gerbers
- ◆ Station Validation Procedure
 - ⊕ Test according procedures

Official hand over of IS-GE01

- ◆ Conformity Assessment by TNO
 - ⊕ EMC Emissions and Immunity
 - ⊕ Safety LVD, Surge, ESD, Fast Transients
- ◆ Letter of Opinion
 - ⊕ Notified body (number 1856)
 - ⊕ Receiver system 10-250 MHz
 - ⊕ Valid for IS-XXX, CS-YY, RS-ZZ
 - ⊕ ASTRON-LOFAR-RPT-143
 - Excel file with links to all relevant LOFAR documents



LETTER OF OPINION

LETTER OF OPINION WITH RESPECT TO THE PRESUMPTION OF COMPLIANCE OF A PRODUCT WITH THE ESSENTIAL REQUIREMENTS OF ARTICLE 3.1(a), ARTICLE 3.1(b) AND ARTICLE 3.2 OF THE R&TTE DIRECTIVE 1999/5/EC, ACCORDING TO THE CONFORMITY ASSESSMENT PROCEDURE REFERRED TO IN ARTICLE 10(5) AND ANNEX IV.

DESCRIPTION OF THE PRODUCT

Manufacturer : ASTRON.
 Address : Oude Hoogeveensedijk 4, 7991 PD Dwingeloo
 The Netherlands
 Product type : Low Frequency array for astronomical observations at radio-frequencies below 250 MHz.
 Product brand name : LOFAR Station
 Product identification : IS-XXXX (XXXX = country code), CS-YY (YY= number), RS-ZZ (ZZ= number)
 YY, ZZ are geographical positions
 Intended use : 10-250 MHz
 Maximum output power : Not applicable, is a receiver system

APPLICANT

Name : ASTRON.
 Address : Oude Hoogeveensedijk 4, 7991 PD Dwingeloo
 The Netherlands

TECHNICAL CONSTRUCTION FILE

Issued by : ASTRON.
 Address : Oude Hoogeveensedijk 4, 7991 PD Dwingeloo
 The Netherlands.
 Date : November 20, 2007
 File number : LOFAR-ASTRON-RPT-143 (Overview all documents for VoO, CE and DDP)
 Covered Phenomena(s) : Safety according LVD protection requirements, EMC emissions and immunity in conformity with essential requirements, and based on phenomena according harmonized standards.

TNO ELECTRONIC PRODUCTS & SERVICES (EPS) B.V. LETTER OF OPINION

Issued by : TNO Electronic Products & Services (EPS) B.V.
 Date : November 20, 2007
 Reference number : 0711190201

On behalf of TNO Electronic Products & Services (EPS) B.V.

Signature :

Name : Drs. W.H.Kramer, MBA

Based on the evidence presented in the Technical Construction File, TNO Electronic Products & Services (EPS) B.V. as appointed Notified Body (number 1856), has given a positive opinion that the product described is in compliance with the essential requirements art 3.1 (a) art 3.1 (b) art 3.2 of R&TTE Directive 1999/5/EC. The opinion does not guarantee the compliance with any specified interface or allowance of usage of the equipment.

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TNO Electronic Products & Services (EPS) B.V. is an independent testing laboratory and accredited by the Board of Accreditation of the Netherlands (RvA) for IEN-EN-ISO/IEC 17025, accreditation number L385 and EN 45011/Acadie 65 under number C440

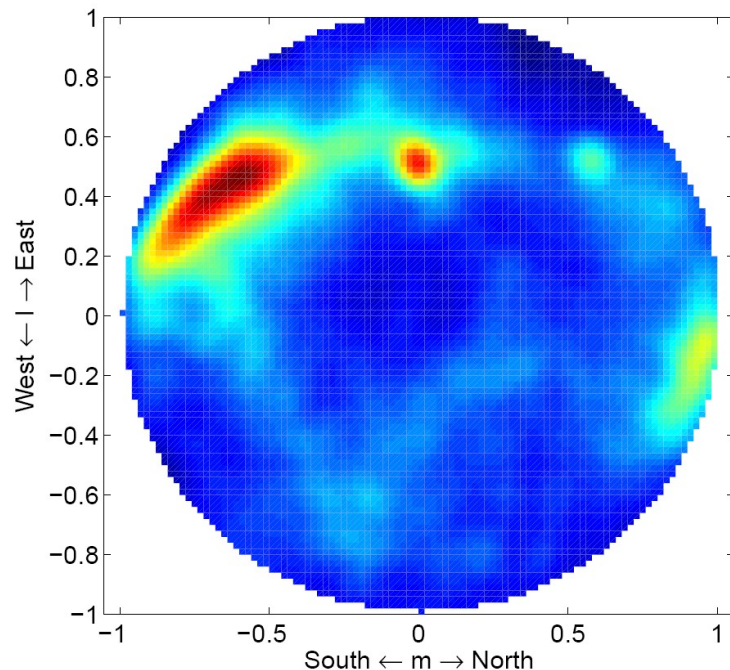
TNO Electronic Products & Services (EPS) B.V. is appointed as EMC-Competent Body and R&TTE Notified Body 1856 by the Ministry of Economic Affairs of the Netherlands.

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Station validation Procedure

- ◆ Remote Station Acceptance Procedure
 - ⊕ LOFAR-LOFAR-MEM-235 rev 1.0
- ◆ Station Acceptance Test Report Effelsberg
 - ⊕ LOFAR-LOFAR-MEM-236 rev 1.0
- ◆ Imaging Demonstration with the Effelsberg Station
 - ⊕ LOFAR-ASTRON-RPT-141 rev 1.0



Congratulations LOFAR team !!!



Congratulations LOFAR team !!!

◆ Roll Out Team

- ⊕ Mark Bentum
- ⊕ Arie Huijgen
- ⊕ Yde Koopman
- ⊕ Menno Norden
- ⊕ Paul Riemers
- ⊕ Klaas Stuurwold

◆ Engineering

- ⊕ Pieter Donker
- ⊕ Andre Gunst
- ⊕ Eric Kooistra
- ⊕ Ruud Overeem
- ⊕ Gijs Schoonderbeek

◆ Documentation and CE marking

- ⊕ Eim Mulder
- ⊕ Marchel Gerbers