



**PHOTOGRAPHS OF THE TESTSETUP OF A  
134.2 kHz INDUCTIVE RFID TAG READER  
BRAND Nedap, MODEL VP1103.**

**11021702.p01  
March 16, 2011**

FCC listed : 90828  
Industry Canada : 2932G-1  
VCCI Registered : R-1518, C-1598  
R&TTE, LVD, EMC Notified Body : 1856

**TÜV Rheinland 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

Internet: [www.tuv-eps.com](http://www.tuv-eps.com)  
E-mail: [info@tuv-eps.com](mailto:info@tuv-eps.com)



**Description of test item**

Test item : Inductive RFID tag reader, operating on 134.2 kHz  
Manufacturer : N.V. Nederlandsche Apparatenfabriek "Nedap"  
Brand : Nedap  
Model(s) : VP1103  
Serial number(s) : B106 0001  
Revision : Not applicable  
FCC ID : CGDVP1103  
IC : 1444A-VP1103

**Applicant information**

Applicant's representative : Mr. J.A.M. Hulshof  
Company : N.V. Nederlandsche Apparatenfabriek "Nedap"  
Address : Parallelweg 2  
Postal code : 7141 DC  
City : Groenlo  
Country : The Netherlands  
Telephone number : +31 544 471 162  
Telefax number : +31 544 463 475  
E-mail : Jacques.Hulshof@Nedap.com

Report written by : R. van der Meer

Report date : March 16, 2011



## Table of contents

<b>1</b>	<b>PHOTOGRAPHS OF THE TESTSETUP .....</b>	<b>4</b>
1.1	RADIATED EMISSIONS.....	4
1.1.1	<i>Radiated emissions H-field @ 3m.....</i>	<i>4</i>
1.1.2	<i>Radiated emissions H-field @ 10m.....</i>	<i>5</i>
1.1.3	<i>Radiated emissions E-field @3m.....</i>	<i>6</i>
1.1.4	<i>Radiated emissions setup detail for H-field and E-field spurious emissions.....</i>	<i>7</i>
1.2	CONDUCTED EMISSIONS .....	8
1.2.1	<i>Conducted emissions testsetup overview.....</i>	<i>8</i>
1.2.2	<i>Conducted emissions EUT detail .....</i>	<i>9</i>



## 1 Photographs of the testsetup.

### 1.1 Radiated emissions.

#### 1.1.1 Radiated emissions H-field @ 3m



Photo showing typical setup at 3 meters



### 1.1.2 Radiated emissions H-field @ 10m



Photo showing typical setup at 10 meters



### 1.1.3 Radiated emissions E-field @3m



Photo showing setup for models VP1103 and VP1850 working in a system



#### 1.1.4 Radiated emissions setup detail for H-field and E-field spurious emissions



Photo showing setup for models VP1103 and VP1850 working in a system



## 1.2 Conducted emissions

### 1.2.1 Conducted emissions testsetup overview



Photo showing setup for models VP1103 and VP1850 working in a system





### 1.2.2 Conducted emissions EUT detail

