



**CFR 47 PART 15 TEST SETUP PHOTOGRAPHS OF A  
2.4 GHZ LOW POWER WLAN MINIPCI CARD, BRAND  
AGERE, TYPE MPC13A-20/R, BUILT INTO NOTEBOOK  
TYPE INSPIRON 8100, BRAND DELL.**

Accredited by	:STERLAB accreditation number L359 RVC accreditation number C078
Competent body	:Article 10-2 EMC Directive 89/336/EC
Notified body nr. 0336	:Article 10-5 EMC Directive 89/336/EC R&TTE Directive 1999/5/EC Low Voltage Directive 73/23/EC
FCC listed	:31040/SIT
Industry Canada	:IC3501

**TNO Physics and Electronics Laboratory**  
P.O. Box 15  
9822 ZG Niekerk (NL)  
Smidshornerweg 18  
9822 TL Niekerk (NL)

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

E-mail: [eps@certi.tno.nl](mailto:eps@certi.tno.nl)



Description of EUT: 2.4 GHz low power RLAN MiniPCI card  
Manufacturer: Agere Systems Nederland B.V.  
Brand mark: Agere  
Type: MPC13A-20/R built into notebook  
type Inspiron 8100  
FCC ID: IMRMPCIDE3

---

### **Description of test item**

Test item : 2.4 GHz low power RLAN MiniPCI card  
built into notebook type Inspiron 8100  
Manufacturer : Agere Systems Nederland B.V.  
Brand : Agere  
Type : MPC13A-20/R  
Serial number : n.a.  
Revision : 8U354  
Receipt number : 2  
Receipt date : December 12, 2001

### **Applicant information**

Applicant's representative : Mr. W. Kerkhof  
Company : Agere Systems Nederland B.V.  
Address : Zadelstede 1-10  
Postal code : 3431 JZ  
City : Nieuwegein  
PO-box : 755  
Postal code : 3430 AT  
City : Nieuwegein  
Country : The Netherlands  
Telephone number : +31 30 609 7534  
Telefax number : +31 30 609 7556  
Order number : n.a.

This report is in conformity with EN 45001.

This report shall not be reproduced, except in full, without the written permission of TNO Physics and Electronics Laboratory.  
The test results relate only to the item(s) tested.



Description of EUT: 2.4 GHz low power RLAN MiniPCI card  
Manufacturer: Agere Systems Nederland B.V.  
Brand mark: Agere  
Type: MPCI3A-20/R built into notebook  
type Inspiron 8100  
FCC ID: IMRMPCIDE3

---

## **Table of contents**

1	Radiated emission test setup. ....	4
1.1	Radiated emission test setup (front). ....	4
1.2	Radiated emission test setup (back). ....	5
2	Conducted emission test setup. ....	6
2.1	Conducted emission test setup (front). ....	6
2.2	Conducted emission test setup (back). ....	7

## 1 Radiated emission test setup.

### 1.1 Radiated emission test setup (front).





Description of EUT: 2.4 GHz low power RLAN MiniPCI card  
Manufacturer: Agere Systems Nederland B.V.  
Brand mark: Agere  
Type: MPC13A-20/R built into notebook  
type Inspiron 8100  
FCC ID: IMRMPCIDE3

---

## 1.2 Radiated emission test setup (back).



## 2 Conducted emission test setup.

### 2.1 Conducted emission test setup (front).





Description of EUT: 2.4 GHz low power RLAN MiniPCI card  
Manufacturer: Agere Systems Nederland B.V.  
Brand mark: Agere  
Type: MPC13A-20/R built into notebook  
type Inspiron 8100  
FCC ID: IMRMPCIDE3

---

## 2.2 Conducted emission test setup (back).

