



**Telecommunications & Telematics  
for Transports Lab.**

# TEST REPORT

Ref. No. ARSE00064/3M

Date: 2007-08-31

According with:



**FCC Rules: Code of Federal Regulations (CFR) no. 47 -  
PART 15 – UNLICENSED MODULAR TRANSMITTER APPROVAL  
PUBLIC NOTICE: DA 00-1407**

PRODUCT : Proximity reader module

TESTED MODEL : 90412117  
90420017

FCC ID : SYL90401-17

APPLICANT : AXESS TMC S.r.l. - Via Della Filanda, 22 –I-40133 Bologna

MANUFACTURER : AXESS TMC S.r.l. - Via Della Filanda, 22 –I-40133 Bologna

TRADEMARK : TMC

OTHER INFORMATION  
Testing dates : 2004-07-01 ÷ 2004-09-30  
Tested samples No. : 1  
Testing Laboratory : IMQ S.p.A. Via Quintiliano, 43 I-20138 MILANO

Prepared by: R. Colombo  
(EMC and R&TTE Lab deputy)

Signature:

## Revision Sheet

Release No.	Date	Revision Description
Rev. 0	2007-08-31	First emission

*NOTICE: The results of tests and checks reported in this Test Report refer exclusively to the samples tested and described in the Report itself.  
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**IMQ S.p.A. - Via Quintiliano, 43 – I-20138 MILANO**

## REFERENCE STANDARDS

<b>According to :</b>	
PUBLIC NOTICE :	<b>DA 00-1407</b> Part 15 Unlicensed Modular Transmitter Approval
Released :	<b>June 26, 2000</b>

## MODULE-TYPE DEVICE APPROVAL OPTIONS:

- Modular Approval (MA)
- Limited Modular Approval (LMA)

## REQUIREMENTS

The following requirements are fulfilled:

**1) The modular transmitter must have its own RF shielding:**

The RF module fulfils the emission requirements of the FCC rules without additional shielding.

**2) The modular transmitter must have buffered modulation/data inputs:**

Modulated signals will be buffered by microcontroller.

**3) The modular transmitter must have its own power supply regulation:**

Not complied, but subject to limited modular approval.

The Grantee can demonstrate that it will retain control over the final installation of the device, such that compliance of the end product is assured. In such a case, an operating condition on the grant of equipment authorization for the module would state that the module is only approved for use when installed in devices produced by a specific manufacturer, typically the Grantee.

**4) The modular transmitter must comply with the antenna requirements of Section 15.203 and 15.204:**

The end-user product will be installed in such a manner that only the authorized antenna is used.

**5) The modular transmitter must be tested in a stand-alone configuration:**

The RF module was tested in a stand-alone configuration.

**6) The modular transmitter must be labelled with its own FCC ID number:**

The RF module will be labelled with its own FCC ID number. When the module is installed inside the end-product, the label is not visible. The end-user/integrator is instructed how to apply the exterior label.

**7) The modular transmitter must comply with any specific rule or operating requirements applicable to the transmitter and the manufacturer must provide adequate instructions along with the module to explain any such requirements:**

The EUT is compliant with all applicable FCC rules. Detail instructions are given in the product Users Guide.

**8) The modular transmitter must comply with any applicable RF exposure requirements.**

Not applicable since the unit operates under section 15.225 of the FCC rules, the reference guide contains general installation and operation instructions.

**Special requirement for Limited Modular Approval:**

The customer retain control over the final installation of the RF module. The EUT is approved only for use when installed in device produced by the manufacturer (Grantee).