

7 Conformity Assessment Issues

The **Telit GM862-PCS/-GPRS/-GSM modules** are assessed to be conform to the R&TTE Directive as stand-alone products, so If the module is installed in **conformance with Dai Telecom installation instructions** require no further evaluation under Article 3.2 of the R&TTE Directive and do not require further involvement of a R&TTE Directive Notified Body for the final product.

In all other cases, or if the manufacturer of the final product is in doubt then the equipment integrating the radio module must be assessed against Article 3.2 of the R&TTE Directive.

In all cases assessment of the final product must be made against the Essential requirements of the R&TTE Directive Articles 3.1(a) and (b), safety and EMC respectively, and any relevant Article 3.3 requirements.

The **Telit GM862-PCS/-GPRS/-GSM modules** are conform with the following European Union Directives:

- ▣ R&TTE Directive 1999/5/EC (Radio Equipment & Telecommunications Terminal Equipments)
- ▣ Low Voltage Directive 73/23/EEC and product safety
- ▣ Directive 89/336/EEC for conformity for EMC

In order to satisfy the essential requisite of the R&TTE 99/5/EC directive, the GM862PCS module is compliant with the following standards:

- GSM (Radio Spectrum). Standard: EN 301 511 and 3GPP 51.010-1
- EMC (Electromagnetic Compatibility). Standards: EN 301 489-1 and EN 301 489-7
- LVD (Low Voltage Directive) Standards: EN 60 950

In this document and the Hardware User Guide, Software User Guide all the information you may need for developing a product meeting the R&TTE Directive is included.

Furthermore the **Telit GM862-PCS module** is FCC Approved as module to be installed in other devices. This device is to be used only for fixed and mobile applications. If the final product after integration is intended for portable use, a new application and FCC is required.

The **Telit GM862-PCS module** is conform with the following US Directives:



- ▣ Use of RF Spectrum. Standards: FCC 47 Part 24 (GSM 1900)
- ▣ EMC (Electromagnetic Compatibility). Standards: FCC47 Part 15

To meet the FCC's RF exposure rules and regulations:

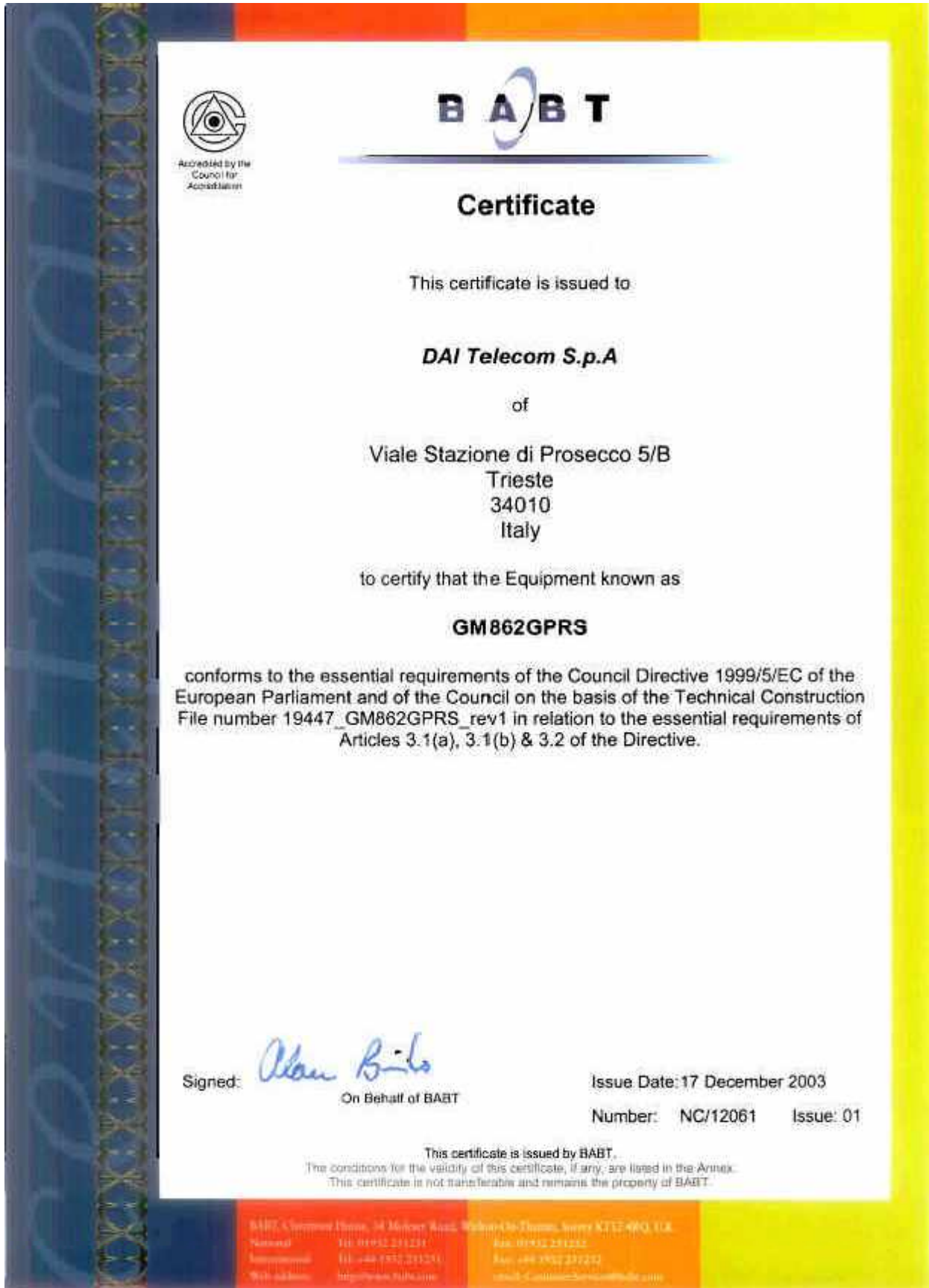
- The antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all the persons and must not be co-located or operating in conjunction with any other antenna or transmitter.
- The antenna(s) used for this module must not exceed 7 dBi for mobile and fixed or mobile operating configurations.
- Users and installers must be provided with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance.

Manufacturers of mobile, fixed or portable devices incorporating this module are advised to clarify any regulatory questions and to have their complete product tested and approved for FCC compliance.

7.1 GM862-GPRS: Conformity Assessment

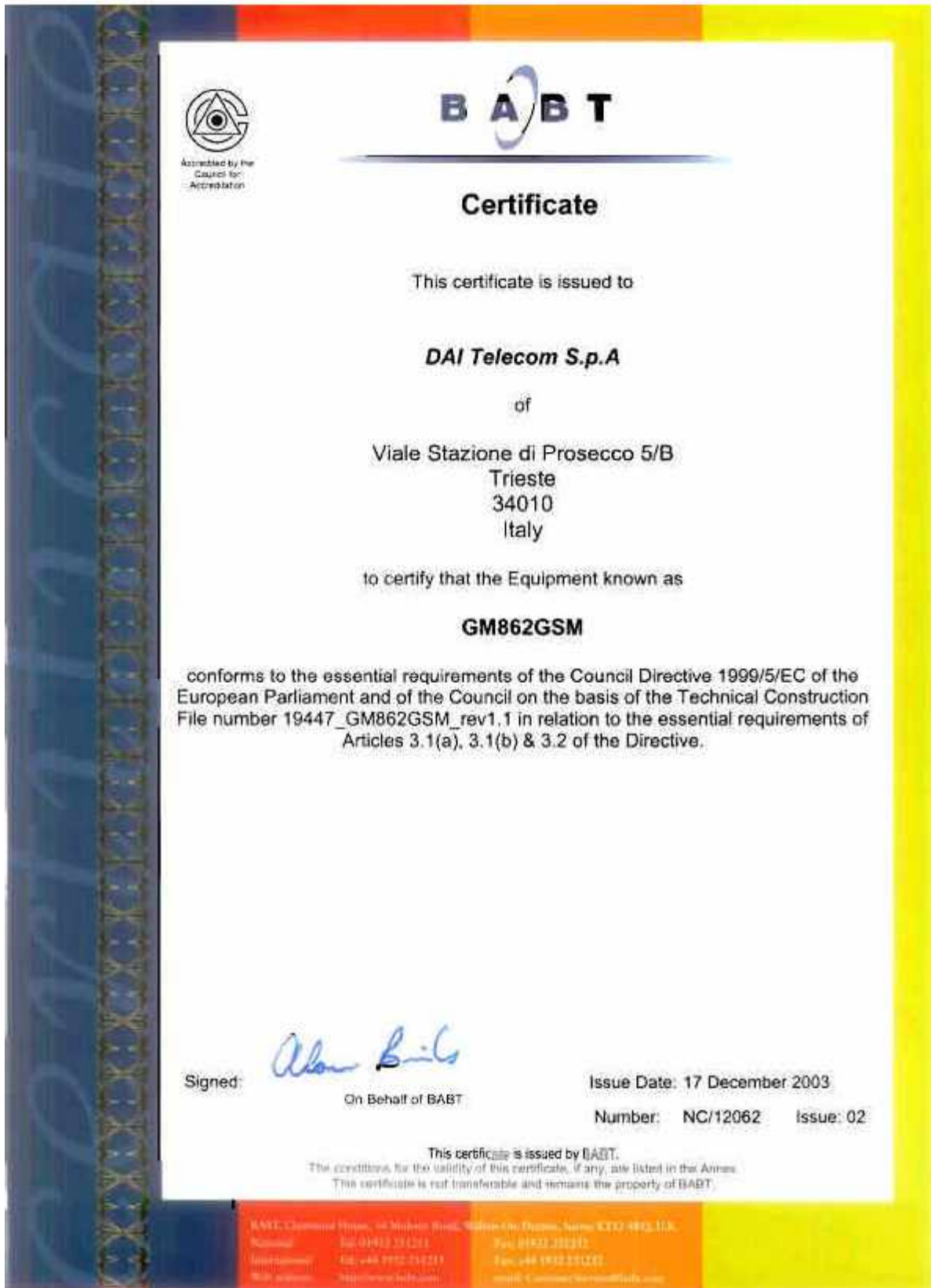
 DAI TELECOM S.p.A. Dai Telecom Group	DECLARATION OF CONFORMITY
We, Dai Telecom SpA	
Of: V.le Stazione di Prosecco 5/b 34010 Sgonico TS Italy	
declare under our sole responsibility that the product GSM/GPRS 900/ 1800 Data Module type GM862GPRS	
to which this declaration relates is in conformity with all the essential requirements of Directive 1999/05/EC	
We hereby also declare that all essential [radio] test suites have been carried out and that the above named product is in conformity to all the essential requirements of Directive 1999/5/EC.	
The conformity assessment procedure referred to in Article 10 and detailed in Annex IV of Directive 1999/5/EC has been followed with the involvement of the following Notified Body:	
BABT, Claremont House, 34 Molesey Road, Walton-on-Thames, KT12 4RQ, UK	
Identification mark:	0168
The technical documentation relevant to the above equipment will be held at:	
Dai Telecom SpA V.le Stazione di Prosecco 5/b 34010 Sgonico TS Italy	
Trieste, 28/10/2003	 Andrea Antonel (Quality System Manager)

MOD 003 08/03 REV.5


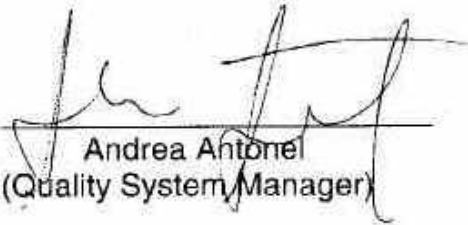


7.2 GM862-GSM: Conformity Assessment

 DAI TELECOM S.p.A. Dai Telecom SpA	DECLARATION OF CONFORMITY
We: <i>Dai Telecom SpA</i>	
Of: <i>V.le Stazione di Prosecco 5/b 34010 Sgonico TS Italy</i>	
declare under our sole responsibility that the product <i>GSM/GPRS 900/ 1800 Data Module type GM862GSM</i>	
to which this declaration relates is in conformity with all the essential requirements of Directive 1999/05/EC	
We hereby also declare that all essential [radio] test suites have been carried out and that the above named product is in conformity to all the essential requirements of Directive 1999/5/EC.	
The conformity assessment procedure referred to in Article 10 and detailed in Annex IV of Directive 1999/5/EC has been followed with the involvement of the following Notified Body:	
BABT, Claremont House, 34 Molesey Road, Walton-on-Thames, KT12 4RQ, UK	
Identification mark:	0168
The technical documentation relevant to the above equipment will be held at:	
<i>Dai Telecom SpA V.le Stazione di Prosecco 5/b 34010 Sgonico TS Italy</i>	
Date:	28/10/2003
	 Andrea Antonel (Quality System Manager)



7.3 GM862-PCS: Conformity Assessment

 DAI TELECOM S.p.A. Dai Telecom Group	DECLARATION OF CONFORMITY
We, Dai Telecom SpA	
Of: V.le Stazione di Prosecco 5/b 34010 Sgonico TS Italy	
declare under our sole responsibility that the product GSM/GPRS/PCS 900/ 1800/1900 Data Module type GM862PCS	
to which this declaration relates is in conformity with all the essential requirements of Directive 1999/05/EC	
We hereby also declare that all essential [radio] test suites have been carried out and that the above named product is in conformity to all the essential requirements of Directive 1999/5/EC.	
The conformity assessment procedure referred to in Article 10 and detailed in Annex IV of Directive 1999/5/EC has been followed with the involvement of the following Notified Body:	
BABT, Claremont House, 34 Molesey Road, Walton-on-Thames, KT12 4RQ, UK	
Identification mark:	0168
The technical documentation relevant to the above equipment will be held at:	
Dai Telecom SpA V.le Stazione di Prosecco 5/b 34010 Sgonico TS Italy	
Trieste, 18/11/2003	 Andrea Antonel (Quality System Manager)

MOD.00.108/03 REV.5



Accredited by the
Council for
Accreditation



Certificate

This certificate is issued to

DAI Telecom S.p.A

of

Viale Stazione di Prosecco 5/B
Trieste
34010
Italy

to certify that the Equipment known as

GM862PCS

conforms to the essential requirements of the Council Directive 1999/5/EC of the European Parliament and of the Council on the basis of the Technical Construction File number 19296_GM862PCS_rev1 in relation to the essential requirements of Articles 3.1(a), 3.1(b) & 3.2 of the Directive.

Signed:

On Behalf of BABT

Issue Date: 11 December 2003

Number: NC/12058 Issue: 01

This certificate is issued by BABT.

The conditions for the validity of this certificate, if any, are listed in the Annex.
This certificate is not transferable and remains the property of BABT.

BABT, Clarendon House, 24 Malvern Road, Wilton-On-Thames, Surrey KT11 4BQ, UK.
National Tel: 01932 231231 Fax: 01932 231232
International Tel: +44 1932 231231 Fax: +44 1932 231232
Web address: <http://www.babt.com> email: Customer.Services@babt.com

7.4 GM862-PCS FCC Equipment Authorization

TCB

**GRANT OF EQUIPMENT
AUTHORIZATION**

TCB

**Certification
Issued Under the Authority of the
Federal Communications Commission
By:**

CETECOM ICT Services GmbH
Untertuerkheimer Strasse 6-10
D-66117 Saarbruecken,

Date of Grant: 12/15/2003
Application Dated: 12/15/2003

DAI Telecom S.p.A
Viale Stazione di Prosecco 5/b
Trieste, 34010
Italy

Attention: Andrea Fragiacomò , Ing.

NOT TRANSFERABLE

EQUIPMENT AUTHORIZATION is hereby issued to the named GRANTEE, and is VALID ONLY for the equipment identified hereon for use under the Commission's Rules and Regulations listed below.

FCC IDENTIFIER: R17GM862P
Name of Grantee: DAI Telecom S.p.A
Equipment Class: PCS Licensed Transmitter
Notes: GSM Module

<u>Grant Notes</u>	<u>FCC Rule Parts</u>	<u>Frequency Range (MHZ)</u>	<u>Output Watts</u>	<u>Frequency Tolerance</u>	<u>Emission Designator</u>
	24E	1850.2 - 1909.8	0.845	0.0537 PM	300KGXW

Module Approval. Power Output listed is conducted. The antenna gain, including cable loss, must not exceed 7 dBi for fixed-mounted or mobile operating configurations, as defined in 2.1091 and 1.1307 of the rules for satisfying RF exposure compliance. Separate approval is required for portable operating configurations, as defined in 2.1093 of the rules. The final product operating with this transmitter must include operating instructions and applicable warnings, as described in this filing, for end-users and installers to satisfy RF exposure compliance requirements. OEM integrators must be informed of the specific requirements. This module contains 900 MHz and 1800 MHz GSM functions that are not operational in U.S. Territories. This filing is only applicable to GSM 1900 MHz operations.

