

Conformity Assessment of Products Embedded with the MU-1

The following is a supplementary explanation of conformity assessments for final products embedded with radio modules such as the MU-1, that have passed conformity assessments in accordance with the R&TTE Directive.

1. Conformity assessments of final products

The procedures for conformity assessment in accordance with the R&TTE Directive are the responsibility of the manufacturer of the final product. With final products with embedded radio modules, the person who embeds the module in the system becomes the manufacturer of the final product, and it is their responsibility to certify that the requirements of the R&TTE Directive are met.

2. Exemption from conformity assessment

However, if radio modules that meet the requirements of the R&TTE Directive and that have passed the conformity assessment are embedded in a final product that follows the cautions concerning embedded radio modules, they are exempted from the conformity assessment for R&TTE Directive Article 3.2 (efficient use of the radio spectrum). For details, refer to the following Guidance and ETSI Technical Report from the R&TTE Compliance Association, and check whether your case applies.

Organization	R&TTE Compliance Association	Document No.	TGN 01 Rev 3
Document title	Technical Guidance Note on Requirement for a Final Product that Integrates an R&TTE Directive Assessed Module		
URL/Download	You can download the guidance from the download area of R&TTE Compliance association. http://www.rtteca.com/		

Organization	ETSI (Technical report)	Document No	ETSI TR102 070-2
Document title	Electromagnetic compatibility and Radio spectrum Matters (ERM); Guide to the application of harmonized standards to multi-radio and combined radio and non-radio equipment; Part 2: Effective use of radio frequency spectrum		
URL/Download	You can download the guide from the ETSI web site by entering TR102 070-2 in the search engine. Before downloading, you will be requested to register. http://www.etsi.org/		

3. Conformity assessment procedures for final products exempted from R&TTE Directive

Article 3.2 assessment

In every case, the manufacturer of a final product must follow the procedures for conformity assessment of the final product with the requirements of R&TTE Directive Articles 3.1 (a) and (b), for safety and EMC.

The conformity assessment for Article 3.2 is carried out in accordance with the following.

1. Attach the EN300-220-3 test report of the assessed radio module and the EC Declaration of Conformity to the conformity assessment of the final product. (The Declaration of Conformity is attached to the manual.)
2. Specify on the conformity assessment of the end product that the assessed radio module was embedded in the system without any changes, in accordance with the installation directions of the manufacturer.

4. Notification of the final product

The notification required by R&TTE Directive Article 6 (4) is not necessary if the final product uses the frequencies and technical characteristics harmonized throughout the Community and is classified as Class 1 radio equipment.

If the final product uses frequency bands and has technical characteristics that are not harmonized throughout the Community and is classified as Class 2 equipment, it is the responsibility of the manufacturer of the final product to notify the relevant national spectrum management authority of the intention to place the final product on the market.

5. CE marking

It is necessary to attach the CE mark to the final product to indicate that it conforms with all the directives that apply to the final product.

If the final product uses frequency bands and has technical characteristics that are not harmonized throughout the Community and is classified as Class 2 equipment, it must be given a Class Identifier (alert symbol) in addition to the CE mark.

Exemption clause

Circuit Design, Inc. does not guarantee the accuracy of the information above.

Directives, technical standards, principles of operation and the like are interpreted differently by the authorities in each country. The directives of the EU and of each country also differ. In case of doubt or uncertainty, we recommend that you check with the authorities or official certification organizations of the relevant countries.