

**Electromagnetic compatibility
and Radio spectrum Matters (ERM);
Radio Frequency Identification Equipment operating in the
band 865 MHz to 868 MHz with power levels up to 2 W;
Part 1: Technical requirements and
methods of measurement**

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Foreword

This final draft European Standard (EN) has been produced by ETSI Technical Committee Electromagnetic compatibility and Radio spectrum Matters (ERM), and is now submitted for the ETSI standards One-step Approval Procedure.

Every EN prepared by ETSI is a voluntary standard. The present document contains technical characteristics and test methods for the equipment to which it relates. This text should be considered as guidance only and does not make the present document mandatory.

The present document has been produced by ETSI in response to a mandate from the European Commission issued under Council Directive 98/34/EC [i.6] (as amended) laying down a procedure for the provision of information in the field of technical standards and regulations.

Annex A provides normative specifications concerning radiated measurements.

Annex B provides normative specifications on tests to be carried out on interrogators that include the optional feature called "Listen Before Talk".

The present document is part 1 of a multi-part deliverable covering Radio Frequency Identification Equipment operating in the band 865 MHz to 868 MHz with power levels up to 2 W, as identified below:

Part 1: "Technical requirements and methods of measurement";

Part 2: "Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive".

The present document includes improvements to the previous version of the standard that take advantage of technical developments within the RFID industry. In particular this includes the ability for multiple interrogators to transmit simultaneously on the same channel. This provides significant improvements in spectrum efficiency and system performance. As a consequence "Listen Before Talk" is no longer a requirement.

Proposed national transposition dates	
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Date of withdrawal of any conflicting National Standard (dow):	6 months after doa