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650 Route des Lucioles
F-06921 Sophia Antipolis Cedex - FRANCE

Tel.: +33 4 92 94 42 00 Fax: +33 4 93 65 47 16

Siret N° 348 623 562 00017 - NAF 742 C
Association à but non lucratif enregistrée à la
Sous-Préfecture de Grasse (06) N° 7803/88

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Foreword

This Technical Specification (TS) has been produced by ETSI Technical Committee Electromagnetic compatibility and Radio spectrum Matters (ERM).

Introduction

The present document defines methodology for showing conformance to the operational requirements for a GSM onboard aircraft system (GSMOBA) whose essential requirements to demonstrate conformity to Article 3.2 of the R&TTE Directive [i.1] are defined in the EN 302 480 [3].

The present document provides a methodology in order to derive power values at the antenna output port of the system which can be used to demonstrate conformance to any E.I.R.P. limits defined outside the aircraft. Given the dependence of the E.I.R.P. levels outside the aircraft on the specific system implementation, the present document also identifies testing procedures to determine the value of the key relevant RF parameters of the aircraft.