

ETSI EN 301 681 V1.4.1 (2011-11)



**Satellite Earth Stations and Systems (SES);
Harmonized EN for Mobile Earth Stations (MESs) of
Geostationary mobile satellite systems, including handheld
earth stations, for Satellite Personal Communications
Networks (S-PCN) in the 1,5/1,6 GHz bands under the Mobile
Satellite Service (MSS) covering the essential requirements
of article 3.2 of the R&TTE Directive**

Reference

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Foreword

This Harmonized European Standard (EN) has been produced by ETSI Technical Committee Satellite Earth Stations and Systems (SES).

The present document has been produced by ETSI in response to a mandate from the European Commission issued under Directive 98/34/EC [7] as amended by Directive 98/48/EC [8].

The title and reference to the present document are intended to be included in the publication in the Official Journal of the European Union of titles and references of Harmonized Standard under the Directive 1999/5/EC [1].

See article 5.1 of Directive 1999/5/EC [1] for information on presumption of conformity and Harmonised Standards or parts thereof the references of which have been published in the Official Journal of the European Union.

The requirements relevant to Directive 1999/5/EC [1] are summarised in annex A.

National transposition dates

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Introduction

The present document is part of a set of standards developed by ETSI and is designed to fit in a modular structure to cover all radio and telecommunications terminal equipment within the scope of the R&TTE Directive [1]. The modular structure is shown in EG 201 399 [i.1]. The determination of the parameters of the user earth stations using a given satellite for the protection of the spectrum allocated to that satellite, is considered to be under the responsibility of the satellite operator or the satellite network operators.

The present document specifies new emission requirements for MESs that are capable of transmitting in the frequency band from 1 668,0 MHz to 1 675,0 MHz. Following the WRC-03 decision to allocate to MSS the bands 1 518 MHz to 1 525 MHz (space to Earth) and 1 668 MHz to 1 675 MHz (Earth to space) and the conclusions of WRC-07, the present document specifies the necessary requirements to harmonise the use of these extended frequency bands by MESs.

The present document treats the two parts of the L-band frequency allocation (as extended) as two sub-bands which may be used separately or in any combination. The original L-band allocation is referenced in the present document as "sub-band 1" and the extended L-band is referenced as "sub-band 2".