

**Fixed Radio Systems;
Characteristics and requirements for
point-to-point equipment and antennas;
Part 2-2: Digital systems operating in frequency bands where
frequency co-ordination is applied;
Harmonized EN covering the essential requirements
of article 3.2 of the R&TTE Directive**

Reference

REN/ATTM-04018

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Foreword

This draft Harmonized European Standard (EN) has been produced by ETSI Technical Committee Access, Terminals, Transmission and Multiplexing (ATTM), and is now submitted for the Public Enquiry phase of the ETSI standards Two-step Approval Procedure.

The present document has been produced by ETSI in response to a mandate from the European Commission issued under Directive 98/34/EC [i.2] as amended by Directive 98/48/EC [i.64].

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 H.

The present document is part 2, sub-part 2 of a multi-part deliverable covering Fixed Radio Systems; Characteristics and requirements for point-to-point equipment and antennas. Full details of the entire series can be found in part 1 [6].

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Date of latest announcement of this EN (doa):	3 months after ETSI publication
Date of latest publication of new National Standard or endorsement of this EN (dop/e):	6 months after doa
Date of withdrawal of any conflicting National Standard (dow):	18 months after doa

Major variants with respect to previous published version

This new version of EN 302 217-2-2 has considered, among other minor points:

- Unified frequency tolerance.
- Unified output power tolerance.
- New spectral efficiency classes 7 (1 024 states) and 8 (2 048 states) have been introduced for channel separations 13,75/14 MHz and above.
- Extension of the spectral efficiency classes subdivision to formally cover the whole granularity of the range spectral efficiency indexes provided for each band and channel separation. Indexes from 1 (2 states, spectral efficiency class 1) to 11 (2 048 states, spectral efficiency class 8) and to newly introduced 10 and 11 (1 024 and 2 048 states, spectral efficiency class 7 and 8) are introduced, as appropriate, for filling the gaps between the minimum and maximum indexes foreseen.