

<b>STN</b>	<b>Bunkové siete IMT. Harmonizovaná norma vzťahujúca sa na základné požiadavky podľa článku 3.2 smernice 2014/53/EÚ. Časť 12: Opakovače CDMA s viacnásobnou nosnou frekvenciou (cdma2000).</b>	<b>STN EN 301 908-12 V7.1.1</b>  87 1908
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IMT cellular networks; Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU; Part 12: CDMA Multi-Carrier (cdma2000) Repeaters

Táto norma obsahuje anglickú verziu európskej normy.  
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 01/17

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# ETSI EN 301 908-12 V7.1.1 (2016-05)



HARMONISED EUROPEAN STANDARD

**IMT cellular networks;  
Harmonised Standard covering the essential requirements  
of article 3.2 of the Directive 2014/53/EU;  
Part 12: CDMA Multi-Carrier (cdma2000) Repeaters**

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**Reference**

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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 Harmonised European Standard (EN) has been produced by ETSI Technical Committee Mobile Standards Group (MSG).

For non EU countries the present document may be used for regulatory (Type Approval) purposes.

The present document has been prepared under the Commission's standardisation request C(2015) 5376 final [i.4] to provide one voluntary means of conforming to the essential requirements of Directive 2014/53/EU on the harmonisation of the laws of the Member States relating to the making available on the market of radio equipment and repealing Directive 1999/5/EC [i.1].

Once the present document is cited in the Official Journal of the European Union under that Directive, compliance with the normative clauses of the present document given in table A-1 confers, within the limits of the scope of the present document, a presumption of conformity with the corresponding essential requirements of that Directive, and associated EFTA regulations.

The present document is part 12 of a multi-part deliverable. Full details of the entire series can be found in part 1 [i.3].

<b>National transposition dates</b>	
Date of adoption of this EN:	20 April 2016
Date of latest announcement of this EN (doa):	31 July 2016
Date of latest publication of new National Standard or endorsement of this EN (dop/e):	31 January 2017
Date of withdrawal of any conflicting National Standard (dow):	31 January 2018

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## Modal verbs terminology

In the present document "**shall**", "**shall not**", "**should**", "**should not**", "**may**", "**need not**", "**will**", "**will not**", "**can**" and "**cannot**" are to be interpreted as described in clause 3.2 of the [ETSI Drafting Rules](#) (Verbal forms for the expression of provisions).

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## Introduction

The present document is part of a set of standards developed by ETSI that are designed to fit in a modular structure to cover radio equipment within the scope of the Radio Equipment Directive [i.1]. The present document is produced following the guidance in ETSI EG 203 336 [i.2] as applicable.

# 1 Scope

The present document applies to the following equipment types:

- 1) Repeaters for IMT-2000 CDMA multi-carrier (cdma2000)

This radio equipment type is capable of operating in all or any part of the frequency bands given in table 1-1.

**Table 1-1: CDMA multi-carrier Repeater operating bands**

Band Class (BC)	Direction of transmission	CDMA multi-carrier Repeater operating bands
6	Forward link (DL)	2 110 MHz to 2 170 MHz
	Reverse link (UL)	1 920 MHz to 1 980 MHz
8	Forward link (DL)	1 805 MHz to 1 880 MHz
	Reverse link (UL)	1 710 MHz to 1 785 MHz
9	Forward link (DL)	925 MHz to 960 MHz
	Reverse link (UL)	880 MHz to 915 MHz
13	Forward link (DL)	2 620 MHz to 2 690 MHz
	Reverse link (UL)	2 500 MHz to 2 570 MHz

Repeaters for IMT-2000 CDMA multi-carrier (cdma2000) may support:

- 1) operation in cdma2000 spread spectrum systems as defined in 3GPP2 C.S0002-F [i.5], referred to herein as operation in Type 1 cdma2000 systems; or
- 2) operation in cdma2000 High Rate Packet Data Systems as defined in TIA-856 [i.6], referred to herein in Type 2 cdma2000 systems.

The present document contains requirements to demonstrate that Radio equipment both effectively uses and supports the efficient use of radio spectrum in order to avoid harmful interference.

## 2 References

### 2.1 Normative references

References are either specific (identified by date of publication and/or edition number or version number) or non-specific. For specific references, only the cited version applies. For non-specific references, the latest version of the referenced document (including any amendments) applies.

Referenced documents which are not found to be publicly available in the expected location might be found at <http://docbox.etsi.org/Reference>.

NOTE: While any hyperlinks included in this clause were valid at the time of publication, ETSI cannot guarantee their long term validity.

The following referenced documents are necessary for the application of the present document.

- [1] TIA-1037-A (May 2012): "Recommended Minimum Performance Standards for cdma2000 Spread Spectrum Repeaters".
- [2] TIA-1030-F (September 2015): "Band Class Specification for cdma2000 Spread Spectrum Systems".
- [3] 3GPP2 C.S0032-D (March 2014): "Recommended Minimum Performance Standards for cdma2000 High Rate Packet Data Access Network".

NOTE: Available at [http://www.3gpp2.org/Public\\_html/specs/C.S0032-D\\_v2.0\\_20140321.pdf](http://www.3gpp2.org/Public_html/specs/C.S0032-D_v2.0_20140321.pdf).

## 2.2 Informative references

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The following referenced documents are not necessary for the application of the present document but they assist the user with regard to a particular subject area.

- [i.1] Directive 2014/53/EU of the European parliament and of the council of 16 April 2014 on the harmonisation of the laws of the Member States relating to the making available on the market of radio equipment and repealing Directive 1999/5/EC.
- [i.2] ETSI EG 203 336 (V1.1.1) (06-2015): "Electromagnetic compatibility and Radio spectrum Matters (ERM); Guide for the selection of technical parameters for the production of Harmonised Standards covering article 3.1(b) and article 3.2 of Directive 2014/53/EU".
- [i.3] ETSI EN 301 908-1 (V11.1.1): "IMT cellular networks; Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU; Part 1: Introduction and common requirements".
- [i.4] Commission Implementing Decision C(2015) 5376 final of 4.8.2015 on a standardisation request to the European Committee for Electrotechnical Standardisation and to the European Telecommunications Standards Institute as regards radio equipment in support of Directive 2014/53/EU of the European Parliament and of the Council.
- [i.5] 3GPP2 C.S0002-F V2.0 (05-2014): "Physical Layer Standard for cdma2000 Spread Spectrum Systems Revision F".

NOTE: Available at [http://www.3gpp2.org/Public\\_html/specs/C.S0002-F%20v2.0\\_20140519.pdf](http://www.3gpp2.org/Public_html/specs/C.S0002-F%20v2.0_20140519.pdf).

- [i.6] TIA-856-B-2 (July 2012): "cdma2000 High Rate Packet Data Air Interface Specification".

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**koniec náhľadu – text ďalej pokračuje v platenej verzii STN**