

**5 GHz RLAN;
Harmonised Standard covering the essential
requirements of article 3.2 of Directive 2014/53/EU**
(ETSI EN 301 893 V2.1.1 (2017-05))

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Tel.: +43 1 587 63 73

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ICS 33.060.30

Ident (IDT) mit ETSI EN 301 893 V2.1.1 (2017-05)

Ersatz für siehe nationales Vorwort

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ÖVE/ÖNORM EN 301 893 V1.8.1:2015-06-01.

ETSI EN 301 893 V2.1.1 (2017-05)



**5 GHz RLAN;
Harmonised Standard covering the essential requirements
of article 3.2 of Directive 2014/53/EU**

Reference

REN/BRAN-0060015

Keywordsaccess, broadband, LAN, layer 1, radio,
regulation, testing**ETSI**650 Route des Lucioles
F-06921 Sophia Antipolis Cedex - FRANCE

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

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Foreword

This Harmonised European Standard (EN) has been produced by ETSI Technical Committee Broadband Radio Access Networks (BRAN).

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.

National transposition dates	
Date of adoption of this EN:	23 May 2017
Date of latest announcement of this EN (doa):	31 August 2017
Date of latest publication of new National Standard or endorsement of this EN (dop/e):	28 February 2018
Date of withdrawal of any conflicting National Standard (dow):	28 February 2019

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Introduction

5 GHz wireless access systems (WAS) including RLAN equipment are used in wireless local area networks which provide high speed data communications in between devices connected to the wireless infrastructure. The present document also addresses ad-hoc networking where devices communicate directly with each other, without the use of a wireless infrastructure.

The spectrum usage conditions for equipment within the scope of the present document are set in the ECC Decision (04)08 [i.8] and the Commission Decision 2005/513/EC [i.9] as amended by the Commission Decision 2007/90/EC [i.10].

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1 Scope

The present document specifies technical characteristics and methods of measurements for 5 GHz wireless access systems (WAS) including RLAN equipment.

The present document also describes spectrum access requirements to facilitate spectrum sharing with other equipment.

These radio equipment are capable of operating in all or parts of the frequency bands given in table 1.

Table 1: Service frequency bands

	Service frequency bands
Transmit	5 150 MHz to 5 350 MHz
Receive	5 150 MHz to 5 350 MHz
Transmit	5 470 MHz to 5 725 MHz
Receive	5 470 MHz to 5 725 MHz

The present document covers the essential requirements of article 3.2 of Directive 2014/53/EU under the conditions identified in annex A.

2 References

2.1 Normative references

References are specific, identified by date of publication and/or edition number or version number. Only the cited version applies.

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- [1] Void.
- [2] Void.
- [3] Void.
- [4] Void.
- [5] Void.
- [6] Void.
- [7] Void.
- [8] ETSI TS 136 141 (V13.5.0) (10-2016): "LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Base Station (BS) conformance testing (3GPP TS 36.141 version 13.5.0 Release 13)".
- [9] IEEE 802.11™-2016: "IEEE Standard for Information Technology - Telecommunications and information exchange between systems - Local and metropolitan area networks - Specific requirements - Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) Specifications".