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EN 304 220-1 V1.2.1

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Wideband data transmission SRD; Harmonised Standard for access to radio spectrum;
Part 1: Wideband data transmission devices: network access points operating in the frequency bands 863 MHz to 868 MHz and 915,8 MHz to 919,4 MHz

(ETSI EN 304 220-1 V1.2.1 (2024-08))

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Nationales Vorwort

Diese Europäische Norm EN 304 220-1 V1.2.1:2024 hat sowohl den Status einer nationalen elektrotechnischen Norm gemäß ETG 1992 als auch den einer nationalen Norm gemäß NormG 2016. Bei ihrer Anwendung ist dieses Nationale Vorwort zu berücksichtigen.

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ETSI EN 304 220-1 V1.2.1 (2024-08)

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Contents

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Foreword

This Harmonised European Standard (EN) has been produced by ETSI Technical Committee Electromagnetic compatibility and Radio spectrum Matters (ERM).

The present document has been prepared under the Commission's standardisation request C(2015) 5376 final [i.3] 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 1 of a multi-part deliverable covering Wideband data transmission SRD; Harmonised Standard for access to radio spectrum, as identified below:

Part 1: "Wideband data transmission devices: network access points operating in the frequency bands 863 MHz to 868 MHz and 915,8 MHz to 919,4 MHz";

Part 2: "Wideband data transmission devices: terminal node operating in designated bands 863 MHz to 868 MHz and 915,8 MHz to 919,4 MHz".

National transposition dates	
Date of adoption of this EN:	2 August 2024
Date of latest announcement of this EN (doa):	30 November 2024
Date of latest publication of new National Standard or endorsement of this EN (dop/e):	31 May 2025
Date of withdrawal of any conflicting National Standard (dow):	31 May 2026

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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1 Scope

The present document specifies technical characteristics and test methods to be used in the conformance assessment of wideband data transmission Short Range Device (SRD) network access point equipment in the frequency range 863 MHz to 868 MHz and 915,8 MHz to 919,4 MHz. The wideband data transmission device category covers radio devices that use wideband modulation techniques to access the spectrum. The present document specifies technical characteristics and methods of measurements for equipment operated in the following designated frequency bands given in Table 1-1.

Table 1-1: Designated frequency bands

SRD frequency bands	
863 MHz to 868 MHz	According to band no 84 of Commission Implementing Decision (EU) 2022/180 [i.7] and Annex 3 band a1 of CEPT/ERC/REC 70 03 [i.2].
915,8 MHz to 919,4 MHz	According to band a2 of Annex 3 of CEPT/ERC/REC 70 03 [i.2].
917,4 MHz to 919,4 MHz	According to band no 2 of Commission Implementing Decision (EU) 2022/172 [i.8].

In the designated bands the following types of equipment are defined:

Type 1: Wideband Data Transmission Network Access Point (NAP) in data networks in 863,0 MHz to 868,0 MHz.

Type 2: Wideband Data Transmission Master Network Access Point (NAP) in data networks in 915,8 MHz to 919,4 MHz and in 917,4 MHz to 919,4 MHz.

Type 3: Wideband Data Transmission Network Access Point (NAP) in data networks in 915,8 MHz to 919,4 MHz and in 917,4 MHz to 919,4 MHz.

NOTE 1: The availability of the frequency bands for type 2 and type 3 equipment in the European Union and CEPT countries can be obtained from EFIS (https://efis.cept.org/) and is also listed in Appendices 1 and 3 of CEPT/REC 70-03 [i.2].
In addition, it should be noted that, in some countries, part or all of the bands for type 2 and type 3 equipment may be unavailable, and/or other frequency bands may be available, for networked and/or network based short range devices. See National Radio Interfaces (NRI) as relevant for additional guidance.

NOTE 2: The relationship between the present document and essential requirements of article 3.2 of Directive 2014/53/EU [i.1] is given Annex A.

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.

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Not applicable.