

<b>STN</b>	<b>Zariadenia s krátkym dosahom (SRD) používané vo frekvenčnom rozsahu od 40 GHz do 260 GHz Harmonizovaná norma pre prístup k rádiovému spektru Časť 5: Zariadenia ultrakrátkej komunikácie (USRC) pracujúce v rozsahu od 57 GHz do 64 GHz</b>	<b>STN EN 305 550-5 V1.1.1</b>  87 5550
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Short Range Devices (SRD) to be used in the 40 GHz to 260 GHz frequency range; Harmonised Standard for access to radio spectrum; Part 5: Ultra Short Range Communication (USRC) equipment operating within 57 GHz to 64 GHz

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. 11/25

Obsahuje: EN 305 550-5 V1.1.1:2025

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HARMONISED EUROPEAN STANDARD

**Short Range Devices (SRD) to be used  
in the 40 GHz to 260 GHz frequency range;  
Harmonised Standard for access to radio spectrum;  
Part 5: Ultra Short Range Communication (USRC)  
equipment operating within 57 GHz to 64 GHz**

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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.4].

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 5 of a multi-part deliverable covering Short Range Devices (SRD) to be used in the 40 GHz to 260 GHz frequency range; Harmonised standard for access to radio spectrum, as identified below:

Part 1: "Communication devices within 57 GHz to 64 GHz, 122 GHz to 123 GHz or 244 GHz to 246 GHz";

Part 2: "Radiodetermination for industrial applications (RDI & RDI-S) equipment operating within 116 GHz to 260 GHz";

Part 3: "Radiodetermination for consumer applications within 57 GHz to 64 GHz, 122 GHz to 130 GHz, 134 GHz to 148,5 GHz or 244 GHz to 246 GHz";

Part 4: "Radiodetermination devices at vehicles within 57 GHz to 64 GHz";

**Part 5: "Ultra Short Range Communication (USRC) equipment operating within 57 GHz to 64 GHz";**

Part 6: "Specific radiodetermination applications - Tank Level Probing Radar (TLPR) and Level Probing Radar (LPR) equipment operating in the frequency ranges 116 GHz to 148,5 GHz; 167 GHz to 182 GHz and 231,5 GHz to 250 GHz".

Part 7: "In-cabin radiodetermination devices in vehicles within 122,25 GHz to 130 GHz and 134 GHz to 148,5 GHz".

Part 8: "Exterior radiodetermination devices on vehicles within 122,25 GHz to 130 GHz and 134 GHz to 148,5 GHz".

Part 9: "Radiodetermination for industrial applications (like RDI & RDI-S) equipment operating within 57 GHz to 64 GHz".

NOTE: The list above shows the planned multi-part deliverables, at the time, when the present document was finalized.

<b>National transposition dates</b>	
Date of adoption of this EN:	23 June 2025
Date of latest announcement of this EN (doa):	30 September 2025
Date of latest publication of new National Standard or endorsement of this EN (dop/e):	31 March 2026
Date of withdrawal of any conflicting National Standard (dow):	31 March 2027

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## Introduction

The present document is the first version of the harmonised standard ETSI EN 305 550-5 for Ultra Short Range Communication (USRC) equipment within 57 GHz to 64 GHz, and it is part of the standard family ETSI EN 305 550-x for Short Range Devices between 40 GHz and 260 GHz, see foreword in the present document

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# 1 Scope

The present document specifies technical characteristics, limits and methods of measurements for Ultra Short Range Communication (USRC) equipment operating in the 57 GHz to 64 GHz frequency range.

Further details for the covered Ultra Short Range Communication (USRC) equipment can be found in clause 4.2 of the present document.

NOTE: The relationship between the present document and essential requirement of article 3.2 of Directive 2014/53/EU [i.4] is given in Annex A.

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

- [1] [ETSI EN 303 883-1 \(V2.1.1\) \(2024-08\)](#): "Short Range Devices (SRD) and Ultra Wide Band (UWB); Part 1: Measurement techniques for transmitter requirements".
- [2] [ETSI EN 303 883-2 \(V2.1.1\) \(2024-08\)](#): "Short Range Devices (SRD) and Ultra Wide Band (UWB); Part 2: Measurement techniques for receiver requirements".
- [3] [ETSI TS 103 941 \(V1.1.1\) \(2024-01\)](#): "Short Range Devices (SRD) and Ultra Wide Band (UWB); Measurement setups and specifications for testing under full environmental profile (normal and extreme environmental conditions)".

### 2.2 Informative references

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The following referenced documents may be useful in implementing an ETSI deliverable or add to the reader's understanding, but are not required for conformance to the present document.

- [i.1] [Commission Implementing Decision \(EU\) 2025/105](#) of 22 January 2025 amending Decision 2006/771/EC updating harmonised technical conditions in the area of radio spectrum use for short-range devices and repealing Implementing Decision 2014/641/EU on harmonised technical conditions of radio spectrum use by wireless audio programme making and special events equipment in the Union.
- [i.2] [ERC Recommendation 74-01](#): "Unwanted emissions in the spurious domain", Approved 1998 Corrected 23 May 2022.

- [i.3] [Commission Implementing Decision C \(2015\) 5376 final](#) of 05.08.2015 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.4] [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.5] ETSI EG 203 336 (V1.2.1) (2020-05): "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.6] ETSI TS 103 567 (V1.1.1) (2019-09): "Requirements on signal interferer handling".
  - [i.7] [ECC Report 173](#): "Fixed Service in Europe Current use and future trends post 2022", approved 04 April 2012, last updated: 9 June 2023.
  - [i.8] [ECC Decision \(11\)02](#): "Industrial Level Probing Radars (LPR) operating in frequency bands 6-8.5 GHz, 24.05-26.5 GHz, 57-64 GHz and 75-85 GHz", approved 11 March 2011, latest amended on 5 July 2019 (ECC#52).
  - [i.9] [ECC Decision \(09\)01](#): "Harmonised use of the 63.72-65.88 GHz frequency band for Intelligent Transport Systems (ITS)", approved 13 March 2009, latest amended on 5 July 2019 (ECC#51).
  - [i.10] [ECO Frequency Information System](#).
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