



HARMONISED EUROPEAN STANDARD

**Short Range Devices (SRDs) using
Ultra Wide Band technology (UWB);
Harmonised standard for access to radio spectrum;
Part 1: Indoor Millimeter Wave Security Scanners
operating in the band 69,8 GHz to 80,5 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.9] 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 Security Scanning devices based on Short Range Devices (SRD) using Ultra Wide Band technology (UWB); Harmonised standard for access to radio spectrum; as identified below:

Part 1: "Indoor Millimeter Wave Security Scanners operating in the band 69,8 GHz to 80,5 GHz";

Part 2: "MicroWave Security Scanners operating < 12 GHz".

National transposition dates	
Date of adoption of this EN:	25 February 2026
Date of latest announcement of this EN (doa):	31 May 2026
Date of latest publication of new National Standard or endorsement of this EN (dop/e):	30 November 2026
Date of withdrawal of any conflicting National Standard (dow):	30 November 2027

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 1 of a multi-part deliverable developed by ETSI and is designed to fit in a modular structure to cover all radio and telecommunications terminal equipment within the scope of the Directive 2014/53/EU [i.1].

For the case of the present document, the following references are the basis:

- SRdoc ETSI TR 103 664 [i.11] (2020-04);
- ECC Report 344 [i.2];
- ERC Recommendation 70-03 [i.6], Annex 6.

1 Scope

The present document specifies technical requirements, limits and test methods for Millimeter Wave Security Scanners (mmWave SSC, SSC equipment) operating indoor in the band 69,8 GHz to 80,5 GHz.

The operating frequency range is split into two bands 97 from 69,8 GHz to 79,9 GHz and 99 from 76,5 GHz to 80,5 GHz as defined in Decision (EU) 2025/105 [i.8].

Details on mmWave SSC equipment and the related categorization is further specified in clause 4.2.

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

2 References

2.1 Normative references

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

- [1] [ETSI EN 303 883-1 \(V2.1.1\) \(08-2024\)](#): "Short Range Devices (SRD) and Ultra Wide Band (UWB); Part 1: Measurement techniques for transmitter requirements".
- [2] [ETSI EN 303 883-2 \(V2.1.1\) \(08-2024\)](#): "Short Range Devices (SRD) and Ultra Wide Band (UWB); Part 2: Measurement techniques for receiver requirements".
- [3] [ETSI TS 103 941 \(V1.1.1\) \(01-2024\)](#): "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] [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 (RE-Directive).
- [i.2] [ECC Report 344](#): "Sharing and compatibility studies of Security Scanners (SSCs) within frequency range 60-82 GHz" (published on 07-10-2022).
- [i.3] [CEPT ERC Recommendation 74-01 \(May 2022\)](#): "Unwanted emissions in the spurious domain".