

STN	Systémy širokopásmového prenosu údajov (WDTS) pre mobilné a pevné rádiové zariadenia pracujúce v pásme od 57 do 71 GHz Harmonizovaná norma pre prístup k rádiovému spektru	STN EN 303 753 V1.1.1 87 3753
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Wideband Data Transmission Systems (WDTS) for Mobile and Fixed Radio Equipment operating in the 57 - 71 GHz band;
Harmonised Standard for access to radio spectrum

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

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**Wideband Data Transmission Systems (WDTs)
for Mobile and Fixed Radio Equipment
operating in the 57 - 71 GHz band;
Harmonised Standard for access to radio spectrum**

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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 Implementing Decision C(2015) 5376 final [i.1] 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.2].

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	
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Modal verbs terminology

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Introduction

Radio equipment operating in the 60 GHz band are capable of supporting data rates of multiple-gigabit per second.

The spectrum usage conditions for this equipment are set in ERC Recommendation 70-03 [i.3], annex 3 frequency band c2, frequency band c3 and Commission Decision 2019/1345/EU [i.4] bands 75a and 75b.

1 Scope

The present document specifies technical characteristics and methods of measurements for Wideband Data Transmission Systems (WDTS) fixed equipment installations intended for mobile network applications and mobile equipment operating indoor and outdoor in the 57 GHz to 71 GHz frequency range.

The scope of the present document includes equipment in this frequency range in compliance with ERC Recommendation 70-03 [i.3], annex 3 frequency band c2, frequency band c3 and Commission Decision 2019/1345/EU [i.4] bands 75a and 75b.

Radio equipment within the scope of the present document are capable of operating in all or any part of the frequency bands given in table 1.

Table 1: Radiocommunications service frequency band

Transmit/Receive	Radiocommunications service frequency band
Transmit	57 GHz to 71 GHz
Receive	57 GHz to 71 GHz

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

2 References

2.1 Normative 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] [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.2] [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.3] [ERC Recommendation 70-03 \(Tromsø 1997 and subsequent amendments\)](#): "Relating to the use of Short Range Devices (SRD)".
- [i.4] [Commission Implementing Decision \(EU\) 2019/1345 of 2 August 2019](#) amending Decision 2006/771/EC updating harmonised technical conditions in the area of radio spectrum use for short-range devices.
- [i.5] [ERC Recommendation 74-01 \(Approved 1998 and subsequent amendments\)](#): "Unwanted emissions in the spurious domain".
- [i.6] ETSI TS 138 141-2 (V16.10.0): "5G; NR; Base Station (BS) conformance testing; Part 2: Radiated conformance testing (3GPP TS 38.141-2 version 16.10.0 Release 16)".
- [i.7] [ECC Report 288 \(approved 25 January 2019\)](#): "Conditions for the coexistence between Fixed Service and other envisaged outdoor uses/applications in the 57 - 66 GHz range".
- [i.8] ETSI TS 138 521-2 (V17.3.0): "5G; NR; User Equipment (UE) conformance specification; Radio transmission and reception; Part 2: Range 2 standalone (3GPP TS 38.521-2 version 17.3.0 Release 17)".
- [i.9] ETSI TS 138 141-2 (V17.10.0): "5G; NR; Base Station (BS) conformance testing; Part 2: Radiated conformance testing (3GPP TS 38.141-2 version 17.10.0 Release 17)".
- [i.10] ETSI TR 138 903 (V17.2.0): "5G; NR; Derivation of test tolerances and measurement uncertainty for User Equipment (UE) conformance test cases (3GPP TR 38.903 version 17.2.0 Release 17)".

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