

STN	Prenosové zariadenia pre službu digitálneho rozhlasového vysielania (DAB) Harmonizovaná norma pre prístup k rádiovému spektru	STN EN 302 077 V2.3.1 87 2077
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Transmitting equipment for the Digital Audio Broadcasting (DAB) service; Harmonised Standard for access to radio spectrum

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. 03/23

Obsahuje: EN 302 077 V2.3.1:2022

ETSI EN 302 077 V2.3.1 (2022-09)



**Transmitting equipment for the
Digital Audio Broadcasting (DAB) service;
Harmonised Standard for access to radio spectrum**

ReferenceREN/ERM-TG17-201

Keywordsaudio, broadcasting, DAB, digital,
harmonised standard, radio, regulation**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

Siret N° 348 623 562 00017 - APE 7112B
Association à but non lucratif enregistrée à la
Sous-Préfecture de Grasse (06) N° w061004871

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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.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:	30 August 2022
Date of latest announcement of this EN (doa):	30 November 2022
Date of latest publication of new National Standard or endorsement of this EN (dop/e):	31 May 2023
Date of withdrawal of any conflicting National Standard (dow):	31 May 2024

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 methods of measurements for transmitting equipment for broadcast sound services using the Digital Audio Broadcast (DAB) modulation system operating in VHF band III (174 MHz to 240 MHz).

DAB transmissions are licensed by national administrations. The Final Acts of the CEPT T-DAB Planning Meeting Constanța, 2007 (WI95revCO07) [i.2] and the Final Acts of the Regional Radiocommunication Conference for planning of the digital terrestrial broadcasting service in parts of Regions 1 and 3, in the frequency bands 174 MHz to 230 MHz and 470 MHz to 862 MHz (RRC-06) [i.3] provide spectrum masks for Out-of-Band emissions under different conditions. These requirements are represented by four transmission cases in the present document, see table 0. The license conditions set by the national administration stipulate which transmission case (Out-of-Band spectrum mask) applies.

Table 0: Transmission cases

Case	Description	Identification in WI95revCO07	Identification in RRC-06
1	Applicable to DAB transmissions operating in areas critical for adjacent channel DAB to DAB interference, and in any case when it is necessary to protect other services operating on adjacent frequencies on a primary basis	1: critical	2: sensitive
2	Applicable to DAB transmissions when no other case applies	2: non-critical	1: non-critical
3	Applicable to DAB transmitters in exceptional circumstances to protect safety services	Critical case considering protection of distress and safety frequencies	
4	Applicable to DAB transmissions operating on a case-by-case basis in certain areas		3: sensitive in certain areas where channel 12D is in use

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

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 300 401 (V2.1.1) (01-2017): "Radio broadcasting systems; Digital Audio Broadcasting (DAB) to mobile, portable and fixed receivers".
- [2] ETSI ETS 300 799 (Edition 1) (09-1997): "Digital Audio Broadcasting (DAB); Distribution interfaces; Ensemble Transport Interface (ETI)".

2.2 Informative 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] 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.2] Final Acts of the CEPT T-DAB Planning Meeting Constanța, 2007 (WI95revCO07).
- [i.3] Final Acts of the Regional Radiocommunication Conference for planning of the digital terrestrial broadcasting service in parts of Regions 1 and 3, in the frequency bands 174-230 MHz and 470-862 MHz (RRC-06).
- [i.4] 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.

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