

<b>STN</b>	<b>Pozemné rádiové vysielateľe, prijímače a vysielateľe/prijímače UHF pre leteckú pohyblivú službu UHF používajúce amplitúdovú moduláciu. Časť 2: Harmonizovaná norma vzťahujúca sa na základné požiadavky podľa článku 3.2 smernice 2014/53/EÚ.</b>	<b>STN EN 302 617-2 V2.1.1</b>
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Ground-based UHF radio transmitters, receivers and transceivers for the UHF aeronautical mobile service using amplitude modulation; Part 2: Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU

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. 09/16

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**Ground-based UHF radio transmitters,  
receivers and transceivers for the UHF  
aeronautical mobile service using amplitude modulation;  
Part 2: Harmonised Standard covering the essential  
requirements of article 3.2 of the Directive 2014/53/EU**

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# Contents

Intellectual Property Rights .....	5
Foreword.....	5
Modal verbs terminology.....	5
Executive summary .....	6
1 Scope .....	7
2 References .....	7
2.1 Normative references .....	7
2.2 Informative references.....	7
3 Definitions and abbreviations.....	8
3.1 Definitions .....	8
3.2 Abbreviations .....	8
4 Technical requirements specifications .....	8
4.1 Environmental profile.....	8
4.2 Conformance requirements .....	9
4.2.1 Transmitter requirements .....	9
4.2.1.0 Applicability.....	9
4.2.1.1 Frequency error .....	9
4.2.1.2 Carrier power (conducted) .....	9
4.2.1.3 Adjacent channel power .....	9
4.2.1.4 Conducted spurious emissions .....	9
4.2.1.5 Intermodulation attenuation .....	9
4.2.1.6 Keying transient frequency behaviour .....	9
4.2.1.7 Cabinet Radiation.....	9
4.2.2 Receiver requirements .....	10
4.2.2.1 General .....	10
4.2.2.2 Sensitivity .....	10
4.2.2.3 Adjacent channel rejection .....	10
4.2.2.4 Spurious response rejection.....	10
4.2.2.5 Intermodulation response rejection .....	10
4.2.2.6 Blocking or desensitization .....	10
4.2.2.7 Conducted spurious emissions .....	10
4.2.2.8 Cross modulation rejection .....	10
4.2.2.9 Cabinet radiation .....	10
5 Testing for compliance with technical requirements.....	11
5.1 Environmental conditions for testing .....	11
5.2 Interpretation of the measurement results .....	11
5.3 Radio test suites.....	12
5.3.1 Transmitter test specifications .....	12
5.3.1.1 Frequency error .....	12
5.3.1.2 Carrier power (conducted) .....	12
5.3.1.3 Adjacent channel power .....	12
5.3.1.4 Conducted spurious emissions .....	12
5.3.1.5 Intermodulation attenuation .....	12
5.3.1.6 Keying transient frequency behaviour .....	12
5.3.1.7 Cabinet Radiation.....	12
5.3.2 Receiver test specifications.....	12
5.3.2.1 Sensitivity .....	12
5.3.2.2 Adjacent channel rejection.....	13
5.3.2.3 Spurious response rejection.....	13
5.3.2.4 Intermodulation response rejection .....	13
5.3.2.5 Blocking or desensitization .....	13
5.3.2.6 Conducted spurious emissions .....	13
5.3.2.7 Cross modulation rejection .....	13
5.3.2.8 Cabinet Radiation.....	13

<b>Annex A (normative):</b>	<b>Relationship between the present document and the essential requirements of Directive 2014/53/EU .....</b>	<b>14</b>
History .....		16

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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 in reply to the Commission's standardisation request Commission Implementing Decision C(2015) 5376 final of 04.08.2015 to provide a 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.

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 2 of a multi-part deliverable covering Ground-based UHF radio transmitters, receivers and transceivers for the UHF aeronautical mobile service using amplitude modulation, as identified below:

Part 1: "Technical characteristics and methods of measurement";

**Part 2: "Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU".**

National transposition dates	
Date of adoption of this EN:	3 December 2015
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Date of latest publication of new National Standard or endorsement of this EN (dop/e):	30 September 2016
Date of withdrawal of any conflicting National Standard (dow):	30 September 2017

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## 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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## Executive summary

The present document covers the essential requirements for efficient use of radio spectrum by DSB AM ground base stations, with channel separations of 25 kHz intended for analogue speech. The present document includes necessary changes due to adaption to the new Radio Equipment Directive.

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# 1 Scope

The present document applies to ground based transmitters, receivers and transceivers. These radio equipment types are capable of operating in all or any part of the aeronautical frequency band between 225 MHz and 399,975 MHz.

The present document contains requirements to demonstrate that "... *Radio equipment shall be so constructed that it both effectively uses and supports the efficient use of radio spectrum in order to avoid harmful interference*" [i.2].

In addition to the present document, other ENs that specify technical requirements in respect of essential requirements under other parts of article 3 of the Directive 2014/53/EU [i.2] as well as essential requirements under the Single European Sky Interoperability Regulation (as amended) [i.3] and related implementing rules and/or essential requirements under the EASA basic regulation 216/2008 [i.5] may apply to equipment within the scope of the present document.

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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.

Referenced documents which are not found to be publicly available in the expected location might be found at <http://docbox.etsi.org/Reference>.

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

- [1] ETSI EN 302 617-1 (V1.1.1) (01-2009): "Electromagnetic compatibility and Radio spectrum Matters (ERM); Ground-based UHF radio transmitters, receivers and transceivers for the UHF aeronautical mobile service using amplitude modulation; Part 1: Technical characteristics and methods of measurement".
- [2] ETSI EN 300 113-1 (V1.6.2) (11-2009): "Electromagnetic compatibility and Radio spectrum Matters (ERM); Land mobile service; Radio equipment intended for the transmission of data (and/or speech) using constant or non-constant envelope modulation and having an antenna connector; Part 1: Technical characteristics and methods of measurement".

### 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] ETSI TR 100 028 (all parts) (V1.4.1): "Electromagnetic compatibility and Radio spectrum Matters (ERM); Uncertainties in the measurement of mobile radio equipment characteristics".
- [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] Regulation (EC) 552/2004 of the European Parliament and Council of 10 March 2004 on the interoperability of the European Air Traffic Management network (the interoperability Regulation), OJEU L96, 31.03.2004, p. 26-42 as amended by Regulation (EC) 1070/2009 of the European Parliament and of the Council of 21 October 2009, OJEU L300/34, 14/11/2009.
- [i.4] ETSI TR 100 028-2 (V1.4.1): "Electromagnetic compatibility and Radio spectrum Matters (ERM); Uncertainties in the measurement of mobile radio equipment characteristics; Part 2".
- [i.5] Regulation (EC) 216/2008 of the European Parliament and of the Council of 20 February 2008 on common rules in the field of civil aviation and establishing a European Aviation Safety Agency, and repealing Council Directive 91/670/EEC, Regulation (EC) No 1592/2002 and Directive 2004/36/EC.

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