

STN	Vysielacie zariadenia pre frekvenčne modulované (FM) rozhlasové vysielanie Harmonizovaná norma vzťahujúca sa na základné požiadavky podľa článku 3.2 smernice 2014/53/EÚ	STN EN 302 018 V2.1.1 87 2018
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Transmitting equipment for the Frequency Modulated (FM) sound broadcasting service; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU

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

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Harmonised Standard covering the essential requirements
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Contents

Intellectual Property Rights	6
Foreword.....	6
Modal verbs terminology.....	6
Introduction	6
1 Scope.....	7
2 References	7
2.1 Normative references	7
2.2 Informative references.....	7
3 Definitions, symbols and abbreviations	8
3.1 Definitions.....	8
3.2 Symbols.....	9
3.3 Abbreviations	9
4 Technical requirements specifications	10
4.1 Environmental profile.....	10
4.2 Conformance requirements	10
4.2.1 Rated output power	10
4.2.1.1 Definition	10
4.2.1.2 Limit.....	10
4.2.1.3 Conformance.....	10
4.2.2 Frequency drift.....	10
4.2.2.1 Definition	10
4.2.2.2 Limit.....	10
4.2.2.3 Conformance.....	10
4.2.3 Deviation sensitivity stability	10
4.2.3.1 Definition	10
4.2.3.2 Limit.....	10
4.2.3.3 Conformance.....	11
4.2.4 Residual AM (Hum and noise)	11
4.2.4.1 Definition	11
4.2.4.2 Limits	11
4.2.4.3 Conformance.....	11
4.2.5 Synchronous AM (AM due to FM)	11
4.2.5.1 Definition	11
4.2.5.2 Limit.....	11
4.2.5.3 Conformance.....	11
4.2.6 Modulator performance (pulse response)	11
4.2.6.1 Definition	11
4.2.6.2 Limit.....	11
4.2.6.3 Conformance.....	12
4.2.7 MPX intermodulation	12
4.2.7.1 Definition	12
4.2.7.2 Limit.....	12
4.2.7.3 Conformance.....	12
4.2.8 Deviation limiting.....	12
4.2.8.1 Definition	12
4.2.8.2 Limit.....	12
4.2.8.3 Conformance.....	12
4.2.9 FM Signal to Noise Ratio (SNR)	12
4.2.9.1 Definition	12
4.2.9.2 Limit.....	13
4.2.9.3 Conformance.....	13
4.2.10 Spurious emissions	13
4.2.10.1 Definition	13
4.2.10.2 Limit.....	13

4.2.10.3	Conformance	14
4.2.11	Transmitter muting during frequency shift	14
4.2.11.1	Definition	14
4.2.11.2	Limit	14
4.2.11.3	Conformance	14
4.2.12	Out-of-band emissions	15
4.2.12.1	Definition	15
4.2.12.2	Limit	15
4.2.12.3	Conformance	15
5	Testing for compliance with technical requirements	16
5.1	Environmental conditions for testing	16
5.2	Interpretation of the measurement results	16
5.3	Methods of measurement	16
5.3.1	Rated output power	16
5.3.1.1	Initial conditions	16
5.3.1.2	Procedure	17
5.3.1.3	Test requirements	17
5.3.2	Frequency drift	17
5.3.2.1	Initial conditions	17
5.3.2.2	Procedure	17
5.3.2.3	Test requirements	17
5.3.3	Deviation sensitivity stability	18
5.3.3.1	Initial conditions	18
5.3.3.2	Procedure	18
5.3.3.3	Test requirements	18
5.3.4	Residual AM (Hum and noise)	18
5.3.4.1	Initial conditions	18
5.3.4.2	Procedure	19
5.3.4.3	Test requirements	19
5.3.5	Synchronous AM (AM due to FM)	19
5.3.5.1	Initial conditions	19
5.3.5.2	Procedure	19
5.3.5.3	Test requirements	20
5.3.6	Modulator performance (pulse response)	20
5.3.6.1	Initial conditions	20
5.3.6.2	Procedure	20
5.3.6.3	Test requirements	21
5.3.7	MPX intermodulation	21
5.3.7.1	Initial conditions	21
5.3.7.2	Procedure	21
5.3.7.3	Test requirements	21
5.3.8	Deviation limiting	22
5.3.8.1	Initial conditions	22
5.3.8.2	Procedure	22
5.3.8.3	Test requirements	22
5.3.9	FM Signal to Noise Ratio (SNR)	23
5.3.9.1	Initial conditions	23
5.3.9.2	Procedure	23
5.3.9.3	Test requirements	23
5.3.10	Spurious emissions	23
5.3.10.1	Initial conditions	23
5.3.10.2	Procedure	24
5.3.10.3	Test requirements	24
5.3.11	Transmitter muting during frequency shift	24
5.3.11.1	Initial conditions	24
5.3.11.2	Procedure	24
5.3.11.3	Test requirements	25
5.3.12	Out-of-band emissions	25
5.3.12.1	Initial conditions	25
5.3.12.2	Procedure	25
5.3.12.3	Test requirements	26

Annex A (informative):	Relationship between the present document and the essential requirements of Directive 2014/53/EU	27
Annex B (normative):	General measuring arrangements	28
B.1	Testing arrangements for antenna port measurements	28
B.1.1	Testing arrangement for monophonic transmitters	28
B.1.2	Testing arrangement stereophonic transmitters	29
B.1.3	Test frequency range	30
B.1.4	Test modulating signal	30
B.2	Test load characteristics	32
Annex C (informative):	Change History	33
History		34

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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:	27 March 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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Introduction

The present document describes the requirements for the design and operation of an FM sound broadcasting service transmitter to meet the essential requirements of article 3.2 of Directive 2014/53/EU [i.1].

1 Scope

The present document specifies technical characteristics and methods of measurements for transmitter equipment for broadcast sound services using the frequency modulated sound broadcasting service operating in the frequency range 68 MHz to 108 MHz.

The present document covers the essential requirements of article 3.2 of Directive 2014/53/EU [i.1] under the conditions identified in annex A.

2 References

2.1 Normative references

References are specific, identified by date of publication and/or edition number or version number. Only the cited version applies.

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

NOTE: While any hyperlinks included in this clause were valid at the time of publication, ETSI cannot guarantee their long term validity.

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

- [1] Recommendation ITU-R BS.468-4 (1986): "Measurement of audio-frequency noise voltage level in sound broadcasting".
- [2] Recommendation ITU-R BS.450-3 (2001): "Transmission standards for FM sound broadcasting at VHF".

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] ETSI TR 100 028 (all parts): "Electromagnetic compatibility and Radio spectrum Matters (ERM); Uncertainties in the measurement of mobile radio equipment characteristics".
- [i.3] ETSI TR 100 028-2: "Electromagnetic compatibility and Radio spectrum Matters (ERM); Uncertainties in the measurement of mobile radio equipment characteristics; Part 2".
- [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.
- [i.5] Recommendation ITU-R BS.412 (1998): "Planning standards for terrestrial FM sound broadcasting at VHF".

- [i.6] Recommendation ITU-R BS.641 (1986): "Determination of radio-frequency protection ratios for frequency-modulated sound broadcasting".
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