

STN	Pozemná pohyblivá služba. Rádiové zariadenia s vnútorným alebo vonkajším RF konektorom určené prednostne na analógový prenos hovorov. Harmonizovaná norma vzťahujúca sa na základné požiadavky podľa článku 3.2 smernice 2014/53/EÚ.	STN EN 300 086 V2.1.2 87 0086
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Land Mobile Service; Radio equipment with an internal or external RF connector intended primarily for analogue speech; 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. 02/17

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**Land Mobile Service;
Radio equipment with an internal or external RF
connector intended primarily for analogue speech;
Harmonised Standard covering the essential requirements
of article 3.2 of the Directive 2014/53/EU**

Reference

REN/ERM-TGDMR-351

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Contents

Intellectual Property Rights	7
Foreword.....	7
Modal verbs terminology.....	7
1 Scope	8
2 References	8
2.1 Normative references	8
2.2 Informative references.....	9
3 Definitions, symbols and abbreviations	9
3.1 Definitions.....	9
3.2 Symbols.....	10
3.3 Abbreviations	11
4 General and operational requirements.....	11
4.1 General	11
4.1.1 Environmental profile	11
4.1.2 Choice of model for testing	12
4.1.3 Auxiliary test equipment.....	12
4.2 Mechanical and electrical design.....	12
4.2.1 General.....	12
4.2.2 Controls	12
4.2.3 Transmitter shut-off facility.....	12
5 Test conditions, power sources and ambient temperatures	12
5.1 Normal and extreme test conditions	12
5.2 Test power source.....	13
5.3 Normal test conditions.....	13
5.3.1 Normal temperature and humidity	13
5.3.2 Normal test power source	13
5.3.2.1 Mains voltage	13
5.3.2.2 Regulated lead-acid battery power sources used on vehicles.....	13
5.3.2.3 Other power sources.....	13
5.4 Extreme test conditions	14
5.4.1 Extreme temperatures	14
5.4.2 Extreme test source voltages.....	14
5.4.2.1 Mains voltage	14
5.4.2.2 Regulated lead-acid battery power sources used on vehicles.....	14
5.4.2.3 Power sources using other types of batteries.....	14
5.4.2.4 Other power sources.....	14
5.5 Procedure for tests at extreme temperatures	15
5.5.0 Thermal balance.....	15
5.5.1 Procedure for equipment designed for continuous transmission.....	15
5.5.2 Procedure for equipment designed for intermittent transmission	15
5.5.3 Testing of equipment that does not have an external 50 Ω RF connector (integral antenna equipment)	15
6 General conditions of measurement	16
6.1 Arrangements for test signals applied to the receiver input.....	16
6.2 Receiver mute or squelch facility	16
6.3 Artificial antenna.....	16
6.4 Test sites and general arrangements for radiated measurements	16
6.5 Arrangement for test signals at the input of the transmitter	16
6.6 Receiver rated audio output power	16
6.7 Tests of equipment with a duplex filter	16
7 Technical characteristics of the transmitter	17
7.1 Frequency error	17

7.1.1	Definition	17
7.1.2	Method of measurement	17
7.1.3	Limits	17
7.2	Transmitter power (conducted)	18
7.2.1	Definitions	18
7.2.2	Method of measurement	18
7.2.3	Limits	18
7.3	Maximum effective radiated power	18
7.3.1	Definition	18
7.3.2	Methods of measurement	19
7.3.3	Limits	21
7.4	Frequency deviation	22
7.4.1	Definition	22
7.4.2	Method of measurement	22
7.4.2.1	Maximum permissible frequency deviation	22
7.4.2.2	Response of the transmitter to modulation frequencies above 3 kHz	22
7.4.3	Limits	22
7.4.3.1	Maximum permissible frequency deviation	22
7.4.3.2	Response of the transmitter to modulation frequencies above 3 kHz	23
7.5	Adjacent and alternate channel power	23
7.5.1	Definition	23
7.5.2	Method of measurement	24
7.5.3	Limits	25
7.6	Unwanted emissions in the spurious domain	25
7.6.1	Definition	25
7.6.2	Method of measuring the power level	26
7.6.3	Method of measuring the effective radiated power	27
7.6.4	Limits	29
7.7	Intermodulation attenuation	30
7.7.1	Definition	30
7.7.2	Method of measurement	31
7.7.3	Limits	32
8	Technical characteristics of the receiver	32
8.1	Maximum usable sensitivity (conducted)	32
8.1.1	Definition	32
8.1.2	Method of measurement	32
8.1.3	Limits	32
8.2	Maximum usable sensitivity (field strength)	33
8.2.1	Definition	33
8.2.2	Method of measurement	33
8.2.3	Limits	34
8.3	Co-channel rejection	34
8.3.1	Definition	34
8.3.2	Method of measurement	34
8.3.3	Limits	34
8.4	Adjacent channel selectivity	35
8.4.1	Definition	35
8.4.2	Method of measurement	35
8.4.3	Limits	35
8.5	Spurious response rejection	35
8.5.1	Definition	35
8.5.2	Introduction to the method of measurement	36
8.5.3	Method of measurement	36
8.5.3.1	Method of search over the "limited frequency range"	36
8.5.3.2	Method of measurement - Step 2	37
8.5.4	Limits	37
8.6	Intermodulation response rejection	37
8.6.1	Definition	37
8.6.2	Method of measurement	37
8.6.3	Limits	38
8.7	Blocking or desensitization	38

8.7.1	Definition	38
8.7.2	Method of measurement	38
8.7.3	Limits	38
8.8	Spurious radiations	39
8.8.1	Definition	39
8.8.2	Method of measuring the power level	39
8.8.3	Method of measuring the effective radiated power	40
8.8.4	Limits	41
9	Duplex operation	42
9.1	Receiver desensitization (with simultaneous transmission and reception)	42
9.1.1	Definition	42
9.1.2	Method of measurement when the equipment operates with a duplex filter	42
9.1.3	Measuring method when the equipment operates with two antennas	42
9.1.4	Limits	43
9.2	Receiver spurious response rejection (with simultaneous transmission and reception)	43
9.2.1	Definition	43
9.2.2	Method of measurement	43
9.2.3	Limits	44
10	Testing for compliance with technical requirements	44
10.1	Test conditions, power supply and ambient temperatures	44
10.2	Interpretation of the measurement results	44
Annex A (normative): Radiated measurement		46
A.1	Test sites and general arrangements for measurements involving the use of radiated fields	46
A.1.0	General	46
A.1.1	Anechoic chamber	46
A.1.2	Anechoic chamber with a conductive ground plane	47
A.1.3	Open Area Test Site (OATS)	48
A.1.4	Test antenna	49
A.1.5	Substitution antenna	49
A.1.6	Measuring antenna	50
A.2	Guidance on the use of radiation test sites	50
A.2.0	General	50
A.2.1	Verification of the test site	50
A.2.2	Preparation of the EUT	50
A.2.3	Power supplies to the EUT	50
A.2.4	Volume control setting for analogue speech tests	50
A.2.5	Range length	51
A.2.6	Site preparation	51
A.3	Coupling of signals	52
A.3.1	General	52
A.3.2	Data signals	52
A.3.3	Speech and analogue signals	52
A.3.3.0	General	52
A.3.3.1	Acoustic coupler description	52
A.3.3.2	Calibration	53
Annex B (normative): Specification for some particular measurement arrangements		54
B.1	Power measuring receiver specification	54
B.1.0	Description	54
B.1.1	IF filter	54
B.1.2	Attenuation indicator	55
B.1.3	RMS value indicator	55
B.1.4	Oscillator and amplifier	55
B.2	Spectrum analyser specification	56
B.2.1	Adjacent and alternate channel power measurement	56
B.2.2	Unwanted emissions measurement	56

B.3	Integrating and power summing device	56
Annex C (normative):	Relationship between the present document and the essential requirements of Directive 2014/53/EU	57
History		59

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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.8] 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.7].

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 C.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:	22 August 2016
Date of latest announcement of this EN (doa):	30 November 2016
Date of latest publication of new National Standard or endorsement of this EN (dop/e):	31 May 2017
Date of withdrawal of any conflicting National Standard (dow):	31 May 2018

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).

"must" and **"must not"** are **NOT** allowed in ETSI deliverables except when used in direct citation.

1 Scope

The present document covers the technical requirements for radio transmitters and receivers used in stations in the Private Mobile Radio (PMR) service.

It applies to use in the land mobile service, operating on radio frequencies between 30 MHz and 1 GHz, with channel separations of 12,5 kHz, 20 kHz and 25 kHz, primarily intended for analogue speech.

Table 1: Radiocommunications service frequency bands

	Radiocommunications service frequency bands
Transmit	30 MHz to 1 000 MHz
Receive	30 MHz to 1 000 MHz

The equipment comprises a transmitter and associated modulator and/or a receiver and associated demodulator. The types of equipment covered by the present document are as follows:

- base station (equipment fitted with an antenna connector, intended for use in a fixed location);
- mobile station (equipment fitted with an antenna connector, normally used in a vehicle or as a transportable); and
- those hand portable stations:
 - a) fitted with an antenna connector; or
 - b) without an external antenna connector, but fitted with a permanent internal or a temporary internal 50 Ω Radio Frequency (RF) connector which allows access to the transmitter output and the receiver input.

NOTE: Hand portable equipment without an external or internal RF connector and without the possibility of having a temporary internal 50 Ω RF connector is not covered by the present document (integral antenna equipment is covered by ETSI EN 300 296 [i.1]).

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*" and that "...*radio equipment supports certain features ensuring access to emergency services*" [i.7].

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 Radio Equipment Directive [i.7] may apply to equipment within the scope of the present document.

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 TR 100 028 (V1.4.1) (12-2001) (all parts): "Electromagnetic compatibility and Radio spectrum Matters (ERM); Uncertainties in the measurement of mobile radio equipment characteristics".

- [2] Recommendation ITU-T O.41 (1994): "Psophometer for use on telephone-type circuits".
- [3] ETSI TR 100 028-2 (V1.4.1) (12-2001): "Electromagnetic compatibility and Radio spectrum Matters (ERM); Uncertainties in the measurement of mobile radio equipment characteristics; Part 2".

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 EN 300 296 (V2.1.1): "Land Mobile Service; Radio equipment using integral antennas intended primarily for analogue speech; Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU".
- [i.2] ETSI EN 300 793 (V1.1.1): "Electromagnetic compatibility and Radio spectrum Matters (ERM); Land mobile service; Presentation of equipment for type testing".
- [i.3] ETSI TR 102 273 (V1.2.1) (all parts): "Electromagnetic compatibility and Radio spectrum Matters (ERM); Improvement on Radiated Methods of Measurement (using test site) and evaluation of the corresponding measurement uncertainties".
- [i.4] ANSI C63.5 (2006): "American National Standard for Calibration of Antennas Used for Radiated Emission Measurements in Electromagnetic Interference (EMI) Control-Calibration of Antennas (9 kHz to 40 GHz)".
- [i.5] IEC 60489-3 (1988): "Methods of measurement for radio equipment used in the mobile services. Part 3: Receivers for A3E or F3E emissions".
- [i.6] CEPT/ERC/REC 74-01E: "Unwanted emissions in the spurious domain" (Hradec Kralove 2005).
- [i.7] 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.8] Commission Implementing Decision C(2015) 5376 final of 04.08.2015 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.

koniec náhľadu – text ďalej pokračuje v platenej verzii STN