

RO-IR SRD-12

TECHNICAL REGULATION

for the radio interface

concerning PMR 446 private mobile radio communications devices

(previous coding RO-IR 15)

1. Basic Considerations

Directive 2014/53/EU of the European Parliament and of the Council of 16 April 2014 on the harmonization of the laws of the Member States relating to the making available on the market of radio equipment and repealing Directive 1999/5/EC was implemented in national legislation by Government Decision No 740/2016 on making available on the market of radio equipment, with subsequent amendments and completions.

This technical regulation contains the requirements for license-exempt use of radio spectrum by the devices that are intended for private mobile radio communications in the 446 – 446.2 MHz (PMR 446) frequency band and considers compliance, especially, with the provisions of Article 3 Paragraph 2 and Articles 6-8 of Directive 2014/53/EU.

Nothing in this technical regulation shall preclude the obligation for radio equipment placed on the market or made available on the market in Romania to comply with Directive 2014/53/EU.

The obligations arising from Directive (EU) 2015/1535 of the European Parliament and of the Council of 9 September 2015 laying down a procedure for the provision of information in the field of technical regulations and of rules on Information Society services are met in this regulation (OJ L 241, 17.9.2015, p. 1–15).

All the Romanian technical regulations for the radio interfaces notified under Directive (EU) 2015/1535 shall be published and made available on National Authority for Management and Regulation in Communications (ANCOM) website at: https://www.ancom.ro/en/romanian-regulation_2719.

2. Radio Interface Specifications

PMR 446 private mobile radio communications devices

Frequency band	Annex
446 – 446.2 MHz	RO-IR SRD-12-01

For the purpose of this technical regulation, a *proximity radio device (short-range device - SRD)* means a radio device which provides either unidirectional or bidirectional communication and which receives and/or transmits signals over a short distance and at a low power. Devices that are intended for private mobile radio communications (PMR 446) are also part of short-range device category.

For the purpose of this technical regulation, devices that are intended for private mobile radio communications (PMR 446) are of portable type (they do not use a base station or a repeater) placed on people or manually operated, which use integrated antennas only to maximize sharing and minimize interferences. The PMR 446 devices work in peer-to-peer mode on a short distance and cannot be used as a part of an infrastructure network or as a repeater.

For the purpose of this technical regulation, *non-interference and non-protected basis* means that no harmful interference may be caused to any radio communications services and that no claim may be made for protection of these devices against harmful interferences originating from radio communications services.

The use of radio spectrum by the devices that are intended for private mobile radio communications (PMR 446) is allowed on a non-interference and non-protected basis provided that such devices meet the conditions set out in the Annex below.

3. Document History:

Edition	Changes
Edition 1/2011	Notification number according to Directive 98/34/EC: 2011/99/RO.
Edition 2/2018 (18.10.2018)	<p>Update according to Commission Implementing Decision (EU) 2017/1483 amending Decision 2006/771/EC on harmonizing the radio spectrum for the use of short-range devices and repealing Decision 2006/804/EC:</p> <ul style="list-style-type: none"> • Change of the title • Update of the radio interface specifications. <p>Update of the legal framework according to Point 1 – „Basic considerations“ and reference documents (line 13);</p> <p>Update according to the list of Class 1 radio equipment subclasses (version of January 2018) published according to Article 1 Paragraph (3) of Commission Decision 2000/299/EC (http://ec.europa.eu/docsroom/documents/26843) ;</p> <p>Formal changes according to TCAM-RSC model of November 2017.</p>
Edition 3/2020 (23.12.2020)	<p>Update according to Commission Implementing Decision (EU) 2019/1345 amending Decision 2006/771/EC in order to update the harmonised technical conditions for the use of radio spectrum for short-range devices:</p> <ul style="list-style-type: none"> • Update of the radio interface specifications; • Introduction/updating of some definitions and terms. <p>Update of the legal framework according to Point 1 – „Basic considerations“ and reference documents (line 13);</p> <p>Update according to the list of Class 1 radio equipment subclasses (version of January 2020) published according to Article 1 Paragraph (3) of Commission Decision 2000/299/EC (https://ec.europa.eu/docsroom/documents/40361).</p>
Edition 4/2022 (11.10.2022)	<p>Update according to Commission Implementing Decision (EU) 2022/180 amending Decision 2006/771/EC as regards the update of harmonised technical conditions in the area of radio spectrum use for short-range devices:</p> <ul style="list-style-type: none"> • Update of reference documents (line 13) and definitions Point 2.

ROMANIA	Radio Interface Specification	SRD / PMR 446 Private mobile radio communications devices	RO-IR SRD-12-01	Edition 4/2022
---------	-------------------------------	---	-----------------	----------------

	No	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Proximity radio devices (short-range devices)/PMR 446 Private mobile radio communications devices	
	3	Frequency band	446 – 446.2 MHz	<i>Harmonised radio spectrum for use by short-range devices (Commission Implementing Decision (EU) 2022/180 amending Decision 2006/771/EC as regards the update of harmonised technical conditions in the area of radio spectrum use for short-range devices)</i>
	4	Channelling (channel distribution)	6.25 kHz / 12.5 kHz	<p><i>Carrier-frequencies [MHz] for 12.5 kHz channelling:</i> 446.006250; 446.018750; 446.031250; 446.043750; 446.056250; 446.068750; 446.081250; 446.093750; 446.106250; 446.118750; 446.131250; 446.143750; 446.156250; 446.168750; 446.181250; 446.193750</p> <p><i>Carrier-frequencies [MHz] for 6.25 kHz channelling:</i> 446.003125; 446.009375; 446.015625; 446.021875; 446.028125; 446.034375; 446.040625; 446.046875; 446.053125; 446.059375; 446.065625; 446.071875; 446.078125; 446.084375; 446.090625; 446.096875; 446.103125; 446.109375; 446.115625; 446.121875; 446.128125; 446.134375; 446.140625; 446.146875; 446.153125; 446.159375; 446.165625; 446.171875; 446.178125; 446.184375; 446.190625; 446.196875</p>
	5	Modulation/Occupied bandwidth	-	
	6	Direction/Separation	-	
	7	Transmit power / Power density	500 mW effective radiated power (e.r.p.)	<i>The equipment shall use only the integrated antenna</i>
	8	Channel occupation and access rules	Requirements on techniques to radio spectrum access and mitigate interference shall apply	<i>Techniques to access radio spectrum and mitigate interference shall apply, ensuring an adequate performance level to meet the essential requirements provided in Directive 2014/53/EU. If the relevant techniques are described in the harmonized standards (or parts thereof) the references of which have been published in the Official Journal of the European Union under Directive 2014/53/EU, a performance at least equivalent to the performance of these techniques shall be ensured.</i>
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements (According to Article 3 Paragraph 3 of 2014/53/EU Directive)	-	
	11	Assumptions on spectrum planning	-	

Informative part	12	Planned changes	-	
	13	Reference	EN 303 405; Commission Implementing Decision (EU) 2022/180 amending Decision 2006/771/EC as regards the update of harmonised technical conditions in the area of radio spectrum use for short-range devices; ECC/DEC/(15)05; ERC/REC 70-03	
	14	Notification number	-	
	15	Remarks	-	

F1- RTIR Edition:1; Revision:1