

RO-IR SRD-11

TECHNICAL REGULATION

for the radio interface

concerning audio/multimedia devices on radio support

(previous coding RO-IR 13)

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 audio/multimedia devices on radio support in the specified frequency bands 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

Audio/Multimedia Devices on Radio Support

Frequency band	Annex
87.5 – 108 MHz	RO-IR SRD-11-01
863 – 865 MHz	RO-IR SRD-11-02
1 795 – 1 800 MHz	RO-IR SRD-11-03

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.

The heavy-duty transmitting devices/continuous transmitting devices category includes heavy-duty radio devices for low latency transmissions. These devices are used, typically, at: personal audio and multimedia streaming systems on radio support used for combined audio/video transmissions and for audio/video synchronization signals; mobile phones; home or car entertainment systems; microphones, speakers and wireless headphones; portable radio devices; assistive listening devices; in-ear monitoring headphones; wireless microphones used in concerts or other stage performances, as well as low-power analogue FM transmitters.

For the purpose of this technical regulation, *cordless* means the link between at least two devices that do not require physical connection. While the term "*cordless*" refers to infra-red or to other links which are not on radio support, in the context of this document it refers only to systems operating through the radio frequency spectrum.

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 proximity radio devices (short-range devices) is allowed on a non-interference and non-protected basis provided that such devices meet the conditions set out in the Annexes below.

3. Document History:

Edition	Changes
Edition 1/2014	Notification number according to Directive 98/34/EC: 2014/608/RO.
Edition 2/2018 (06.08.2018)	<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"> Update of the specifications for the radio interface (RO-IR 13-01, RO-IR 13-02) <p>RO-IR 13-03 was eliminated (864.8-865 MHz frequency band is no longer subject to ERC/REC 70-03);</p> <p>Update of the legal framework according to Point 1 – „Basic considerations“;</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 some definitions and terms; Renumbering of the annexes. <p>Update of the legal framework according to Point 1 – „Basic considerations“ and reference documents.</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 / Audio/multimedia devices on radio support	RO-IR SRD-11-01	Edition 4/2022
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	No	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Proximity radio devices (short-range)/Audio/multimedia devices on radio support	<i>This set of usage conditions applies exclusively to audio and multimedia streaming transmitters on radio support with analogue frequency modulation (FM).</i>
	3	Frequency band	87.5 – 108 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)	Channel spacing up to 200 kHz	
	5	Modulation/Occupied bandwidth	-	
	6	Direction/Separation	-	
	7	Transmit power / Power density	50 nW effective radiated power (e.r.p.)	<i>When no audio signals are present, the device shall use a mute facility in order to stop the transmission. No pilot tones are allowed in order to ensure the continuity of the transmission.</i>
	8	Channel occupation and access rules	-	
	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 301 357; 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; ERC/REC 70-03	
	14	Notification number	-	
	15	Remarks	-	

F1- RTIR Edition:1; Revision:1

ROMANIA	Radio Interface Specification	SRD / Audio/multimedia devices on radio support	RO-IR SRD-11-02	Edition 4/2022
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	No	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Proximity radio devices (short-range)/Audio/multimedia devices on radio support	<i>This set of usage conditions applies exclusively to audio and multimedia streaming devices on radio support.</i>
	3	Frequency band	863 – 865 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)	-	
	5	Modulation/Occupied bandwidth	-	
	6	Direction/Separation	-	
	7	Transmit power / Power density	10 mW e.r.p.	
	8	Channel occupation and access rules	-	
	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 301 357; EN 300 422-1/-2/-3/-4, 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; ERC/REC 70-03	
	14	Notification number	-	
	15	Remarks	-	

F1- RTIR Edition:1; Revision:1

ROMANIA	Radio Interface Specification	SRD / Audio/multimedia devices on radio support	RO-IR SRD-11-03	Edition 4/2022
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	No	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Proximity radio devices (short-range)/Audio/multimedia devices on radio support	
	3	Frequency band	1 795 – 1 800 MHz	
	4	Channelling (channel distribution)	-	
	5	Modulation/Occupied bandwidth	-	
	6	Direction/Separation	-	
	7	Transmit power / Power density	20 mW equivalent isotropic radiated power (e.i.r.p.)	
	8	Channel occupation and access rules	-	
	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 301 357; ERC/REC 70-03	
	14	Notification number	2014/608/RO	
	15	Remarks	-	

F1- RTIR Edition:1; Revision:1