

RO-IR 13

TECHNICAL REGULATION

for the radio interface

concerning wireless audio/multimedia applications

98/34/EC Notification number: 2014/608/RO

1. Basic considerations

The Radio Equipment and Telecommunications Terminal Equipment Directive 1999/5/EC (R&TTE Directive) was implemented in Romania (RO) by Government Decision No. 130/2015.

This technical regulation contains the necessary equipment parameters for the use of licence exempt wireless audio/multimedia applications in the specified frequency bands and considers especially compliance with Articles 3.2, 4.1, 6 and 7.2 of Directive 1999/5/EC.

Nothing in this technical regulation shall preclude the need for equipment placed on the market in Romania to comply with Directive 1999/5/EC.

The obligations arising from Directive 98/34/EC of the European Parliament and of the Council of 22 June 1998 laying down a procedure for the provision of information in the field of technical standards and regulations and of rules on Information Society services (OJ L 204 p. 37), as amended by Directive 98/48/EC of the European Parliament and of the Council of 20 July 1998 (OJ L 217 p. 18), have been met.

All Romanian technical regulations notified under Directive 1998/34/EC will be published and will be made available free of charge from the ANCOM web-site at:

http://www.ancom.org.ro/en/interface-regulations-_2723

2. Radio Interface Specifications

Wireless audio/multimedia applications

Frequency band	Annex
87.5 - 108 MHz	RO-IR 13-01
863 - 865 MHz	RO-IR 13-02
864.8 - 865 MHz	RO-IR 13-03
1 795 – 1 800 MHz	RO-IR 13-04

For the purpose of this Technical Regulation, *short-range device (SRD)* means radio transmitters which provide either unidirectional or bidirectional communication and which transmit over a short distance at low power.

The *high duty cycle/continuous transmission device category* covers radio devices that rely on low latency and high duty cycle transmissions. Typical uses are for personal wireless audio and multimedia streaming systems, mobile phones, automotive or home entertainment system, wireless microphones, cordless loudspeakers, cordless headphones, radio devices carried on a person, assistive listening devices, in-ear monitoring, wireless microphones for use at concerts or other stage productions, and low power analogue FM transmitters

For the purpose of this Technical Regulation, *cordless* means link between at least two entities that does not require physical connection. While the term "cordless" can refer to infra-red and other non-RF "wireless" links, in the context of the present document it is restricted to RF operating systems only.

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 service and that no claim may be made for protection of these devices against harmful interference originating from radio communications services.

The use of radio spectrum by short-range device is allowed on a non-interference and non-protected basis provided that such device meets the conditions set out in the Annexes.

ROMANIA	Radio Interface Specification	SRD / Wireless audio/multimedia applications	RO-IR 13-01	Edition 1/ 2014
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Wireless audio applications This set of usage conditions is only available to transmitters with analogue frequency modulation (FM).	<i>Low power FM transmitters</i>
	3	Frequency band	87.5 - 108 MHz The user interface of SRD shall permit as a minimum the selection of any and all possible frequencies within the 88.1 MHz to 107.9 MHz and as a maximum 87.6 MHz to 107.9 MHz	<i>Harmonised radio spectrum for use by short-range devices (Decision 2013/752/EU amending Decision 2006/771/EC)</i>
	4	Channelling	200 kHz	
	5	Modulation / Occupied bandwidth	--	
	6	Direction / Separation	-	
	7	Transmit power / Power density	50 nW effective radiated power (e.r.p.)	<i>When audio signals are not present, apparatus must employ a transmission time out facility. Pilot tones that ensure continuity of transmission are not permitted.</i>
	8	Channel access and occupation rules	-	
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements	-	
	11	Frequency planning assumptions	-	
Informative part	12	Planned changes	-	
	13	Reference	EN 301 357; Decision 2013/752/EU amending Decision 2006/771/EC; ERC/REC 70-03	
	14	Notification number	2014/608/RO	
	15	Remarks	-	

ROMANIA	Radio Interface Specification	SRD / Wireless audio/multimedia applications	RO-IR 13-02	Edition 1/ 2014
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Wireless audio/multimedia applications This set of usage conditions is only available to wireless audio and multimedia streaming devices.	
	3	Frequency band	863 - 865 MHz	<i>Harmonised radio spectrum for use by short-range devices (Decision 2013/752/EU amending Decision 2006/771/EC)</i>
	4	Channelling	-	
	5	Modulation / Occupied bandwidth	-	
	6	Direction / Separation	-	
	7	Transmit power / Power density	10 mW effective radiated power (e.r.p.)	
	8	Channel access and occupation rules	-	
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements	-	
	11	Frequency planning assumptions	-	
Informative part	12	Planned changes	-	
	13	Reference	EN 301 357; Decision 2013/752/EU amending Decision 2006/771/EC; ERC/REC 70-03	
	14	Notification number	2014/608/RO	
	15	Remarks	-	

ROMANIA	Radio Interface Specification	SRD / Wireless audio/multimedia applications	RO-IR 13-03	Edition 1/ 2014
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Wireless audio applications Narrow band analogue voice devices	
	3	Frequency band	864.8 - 865 MHz	
	4	Channelling	50 kHz	
	5	Modulation / Occupied bandwidth	-	
	6	Direction / Separation	-	
	7	Transmit power / Power density	10 mW e.r.p.	
	8	Channel access and occupation rules	-	
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements	-	
	11	Frequency planning assumptions	-	
Informative part	12	Planned changes	-	
	13	Reference	EN 300 220; ERC/REC 70-03	
	14	Notification number	2014/608/RO	
	15	Remarks	-	

ROMANIA	Radio Interface Specification	SRD / Wireless audio/multimedia applications	RO-IR 13-04	Edition 1/ 2014
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Wireless audio applications	
	3	Frequency band	1 795 – 1 800 MHz	
	4	Channelling	-	
	5	Modulation / Occupied bandwidth	-	
	6	Direction / Separation	-	
	7	Transmit power / Power density	20 mW equivalent isotropic radiated power (e.i.r.p.)	
	8	Channel access and occupation rules	-	
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements	-	
	11	Frequency planning assumptions	-	
Informative part	12	Planned changes	-	
	13	Reference	EN 301 357; ERC/REC 70-03	
	14	Notification number	2014/608/RO	
	15	Remarks	-	