

RO-IR 01

TECHNICAL REGULATION

for the radio interface

concerning non-specific Short Range Devices (SRDs)

1. Basic considerations

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 was implemented in national legislation by Government Decision No. 740/2016 on making available on the market of radio equipment.

This technical regulation contains the requirements for the use of licence exempt of non-specific short range devices in the specified frequency bands and considers especially compliance with the provisions of Article 3 Paragraph 2, and Articles 6, 7 and 8 of Directive 2014/53/EU.

Nothing in this technical regulation shall preclude the need for equipment placed 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 have been met (OJ L 241, 17.9.2015, p. 1–15).

All Romanian technical regulations for the radio interfaces notified under Directive 2015/1535 will be published and will be made available on National Authority for Management and Regulation in Communications of Romania (ANCOM) web-site at: http://www.ancom.org.ro/reglementari-interfete_2723

2. Radio Interface Specifications

Non-specific SRDs

Frequency band	Annex
456.9 – 457.1 kHz	RO-IR 01-01
13 553 – 13 567 kHz	RO-IR 01-03
26 957 – 27 283 kHz	RO-IR 01-04
26 990 – 27 000 kHz	RO-IR 01-05
27 040 – 27 050 kHz	RO-IR 01-06
27 090 – 27 100 kHz	RO-IR 01-07
27 140 – 27 150 kHz	RO-IR 01-08
27 190 – 27 200 kHz	RO-IR 01-09
40.66 – 40.70 MHz	RO-IR 01-10
138.20 – 138.45 MHz	RO-IR 01-11
169.4 – 169.475 MHz	RO-IR 01-12
169.4 – 169.4875 MHz	RO-IR 01-13
169.4875 – 169.5875 MHz	RO-IR 01-14
169.5875 – 169.8125 MHz	RO-IR 01-15
433.05 – 434.04 MHz	RO-IR 01-16a; RO-IR 01-16b
434.04 – 434.79 MHz	RO-IR 01-17a; RO-IR 01-17b; RO-IR 01-17c
863 – 865 MHz	RO-IR 01-18
865 – 868 MHz	RO-IR 01-19a; RO-IR 01-19b

868 – 868.6 MHz	RO-IR 01–20
868.7 – 869.2 MHz	RO-IR 01–21
869.40 – 869.65 MHz	RO-IR 01–22
869.7 – 870 MHz	RO-IR 01–23a; RO-IR 01–23b
2 400 – 2 483.5 MHz	RO-IR 01–24
5 725 – 5 875 MHz	RO-IR 01–25
24 – 24.15 GHz	RO-IR 01–26
24.15 – 24.25 GHz	RO-IR 01–27
57 – 64 GHz	RO-IR 01–28
61 – 61.5 GHz	RO-IR 01–29
122 – 122.25 GHz	RO-IR 01–30a
122.25 – 123 GHz	RO-IR 01-30b
244 – 246 GHz	RO-IR 01–31

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 non-specific short-range device category covers all kinds of radio devices, regardless of the application or the purpose, which fulfil the technical conditions as specified for a given frequency band. Typical uses include telemetry, telecommand, alarms, data transmissions in general and other applications.

For the purpose of this technical regulation, the *cycle of use* is defined as the ratio expressed as a percentage, between $\Sigma(Ton)/(Tobs)$, where *Ton* is the operating time of a single radio transmitter and *Tobs* is the observation period. *Ton* is measured in a frequency observation band (*Fobs*). Unless otherwise specified in this technical regulation, *Tobs* represents an one hour uninterrupted period and *Fobs* is the applicable frequency band of this technical regulation.

For the purpose of this technical regulation, *non-interference and non-protected basis* means the interdiction 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 devices is allowed on a non-interference and non-protected basis provided that such devices meet the conditions set out in the Annexes.

3. Document history:

Edition	Changes
Edition 1/2014	Notification number according to Directive 98/34/EC: 2014/597/RO.
Edition 2/2018 (06.08.2018)	<p>Update according to 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">- RO-IR 01-01 ÷ RO-IR 01-31, except RO-IR 01-11 and RO-IR 01-26;- RO-IR 01-02 (frequency band 6 765-6 795 kHz) repealed;- New technical specifications: RO-IR 01-19b, RO-IR 01-30a, RO-IR 01-30b added; <p>Update of the legal framework according to Point 1 – „Basic considerations“ and reference documents (row 13);</p> <p>Update according to the list of Class 1 radio equipment subclasses (January 2018 version) published according to Article 1 Paragraph 3 of Commission Decision 2000/299/EC (http://ec.europa.eu/docsroom/documents/26843): RO-IR 01-01;</p> <p>Formal changes according to TCAM-RSC model of November 2017.</p>

ROMANIA	Radio Interface Specification	SRD / Non-specific Short Range Devices	RO-IR 01-01	Edition 2/ 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Non-specific Short Range Devices	This set of use conditions applies only to emergency detection of buried victims and devices for valuables.
	3	Frequency band	456.9 - 457.1 kHz Center frequency is 457 kHz	<i>Harmonised radio spectrum for use by short-range devices (Decision 2017/1483/EU amending Decision 2006/771/EC on the harmonization of radio frequencies spectrum for the use of short range devices and repealing Decision 2006/804/EC)</i>
	4	Channeling (channel distribution)	-	
	5	Modulation/Occupied bandwidth	Continuous wave (CW)– no modulation	
	6	Direction/Separation	-	
	7	Transmit power / Power density	7 dBμA/m at 10 m	
	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)	Application of Article 3 Paragraph 3 Letter g, ensuring access to emergency services according to Decision 2001/148/EC on the application of Article 3 Paragraph 3 letter e of Directive 1999/5/EC for avalanche light signals	
	11	Assumptions on spectrum planning	-	
Informative Part	12	Planned changes	-	
	13	Reference	EN 300 718-1; EN 300 718-2; Decision 2017/1483/EU amending Decision 2006/771/EC on the harmonization of radio frequencies spectrum for the use of short range devices and repealing Decision 2006/804/EC; ERC/REC 70-03	
	14	Notification number	-	
	15	Remarks	-	

F1- RTIR Edition:1; Revision:1

ROMANIA	Radio Interface Specification	SRD / Non-specific Short Range Devices	RO-IR 01-03	Edition 2/ 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Non-specific Short Range Devices	
	3	Frequency band	13 553 -13 567 kHz	<i>Harmonised radio spectrum for use by short-range devices (Decision 2017/1483/EU amending Decision 2006/771/EC on the harmonization of radio frequencies spectrum for the use of short range devices and repealing Decision 2006/804/EC)</i>
	4	Channeling (channel distribution)	-	
	5	Modulation/Occupied bandwidth	-	
	6	Direction/Separation	-	
	7	Transmit power / Power density	42 dBμA/m at 10 m	
	8	Channel occupation and access rules	-	
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements (According to Article 3 Paragraph 3 of Directive 2014/53/EU)	-	
	11	Assumptions on spectrum planning	-	
Informative Part	12	Planned changes	-	
	13	Reference	EN 300 330; Decision 2017/1483/EU amending Decision 2006/771/EC on the harmonization of radio frequencies spectrum for the use of short range devices and repealing Decision 2006/804/EC; ERC/REC 70-03	
	14	Notification number	-	
	15	Remarks	-	

F1- RTIR Edition:1; Revision:1

ROMANIA	Radio Interface Specification	SRD / Non-specific Short Range Devices	RO-IR 01-04	Edition 2/ 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Non-specific Short Range Devices	
	3	Frequency band	26 957 – 27 283 kHz	<i>Harmonised radio spectrum for use by short-range devices (Decision 2017/1483/EU amending Decision 2006/771/EC on the harmonization of radio frequencies spectrum for the use of short range devices and repealing Decision 2006/804/EC)</i>
	4	Channeling (channel distribution)	-	
	5	Modulation/Occupied bandwidth	-	
	6	Direction/Separation	-	
	7	Transmit power/Power density	10 mW effective radiated power (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 Directive 2014/53/EU)	-	
	11	Assumptions on spectrum planning	-	
Informative Part	12	Planned changes	-	
	13	Reference	EN 300 220-2; Decision 2017/1483/EU amending Decision 2006/771/EC on the harmonization of radio frequencies spectrum for the use of short range devices and repealing Decision 2006/804/EC; ERC/REC 70-03	
	14	Notification number	-	
	15	Remarks	-	

F1- RTIR Edition:1; Revision:1

ROMANIA	Radio Interface Specification	SRD / Non-specific Short Range Devices	RO-IR 01-05	Edition 2/ 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Non-specific Short Range Devices	
	3	Frequency band	26 990 - 27 000 kHz	<i>Harmonised radio spectrum for use by short-range devices (Decision 2017/1483/EU amending Decision 2006/771/EC on the harmonization of radio frequencies spectrum for the use of short range devices and repealing Decision 2006/804/EC)</i>
	4	Channeling (channel distribution)	-	
	5	Modulation/Occupied bandwidth	10 kHz	
	6	Direction/Separation	-	
	7	Transmit power/Power density	100 mW e.r.p.	
	8	Channel occupation and access rules	Duty cycle limit: 0.1%	<i>Model movement control devices (see RO-IR 08-01) may operate without duty cycle restrictions.</i>
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements (According to Article 3 Paragraph 3 of Directive 2014/53/EU)	-	
	11	Assumptions on spectrum planning	-	
Informative Part	12	Planned changes	-	
	13	Reference	EN 300 220-2; Decision 2017/1483/EU amending Decision 2006/771/EC on the harmonization of radio frequencies spectrum for the use of short range devices and repealing Decision 2006/804/EC; ERC/REC 70-03	
	14	Notification number	-	
	15	Remarks	-	

F1- RTIR Edition:1; Revision:1

ROMANIA	Radio Interface Specification	SRD / Non-specific Short Range Devices	RO-IR 01-06	Edition 2/ 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Non-specific Short Range Devices	
	3	Frequency band	27 040 - 27 050 kHz	<i>Harmonised radio spectrum for use by short-range devices (Decision 2017/1483/EU amending Decision 2006/771/EC on the harmonization of radio frequencies spectrum for the use of short range devices and repealing Decision 2006/804/EC)</i>
	4	Channeling (channel distribution)	-	
	5	Modulation/Occupied bandwidth	10 kHz	
	6	Direction/Separation	-	
	7	Transmit power/Power density	100 mW e.r.p.	
	8	Channel occupation and access rules	Duty cycle limit: 0.1%	<i>Model movement control devices (see RO-IR 08-01) may operate without duty cycle restrictions.</i>
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements (According to Article 3 Paragraph 3 of Directive 2014/53/EU)	-	
	11	Assumptions on spectrum planning	-	
Informative Part	12	Planned changes	-	
	13	Reference	EN 300 220-2; Decision 2017/1483/EU amending Decision 2006/771/EC on the harmonization of radio frequencies spectrum for the use of short range devices and repealing Decision 2006/804/EC; ERC/REC 70-03	
	14	Notification number	-	
	15	Remarks	-	

F1- RTIR Edition:1; Revision:1

ROMANIA	Radio Interface Specification	SRD / Non-specific Short Range Devices	RO-IR 01-07	Edition 2/ 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Non-specific Short Range Devices	
	3	Frequency band	27 090 - 27 100 kHz	<i>Harmonised radio spectrum for use by short-range devices (Decision 2017/1483/EU amending Decision 2006/771/EC on the harmonization of radio frequencies spectrum for the use of short range devices and repealing Decision 2006/804/EC)</i>
	4	Channeling (channel distribution)	-	
	5	Modulation/Occupied bandwidth	10 kHz	
	6	Direction/Separation	-	
	7	Transmit power/Power density	100 mW e.r.p.	
	8	Channel occupation and access rules	Duty cycle limit: 0.1%	<i>Model movement control devices (see RO-IR 08-01) may operate without duty cycle restrictions.</i>
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements (According to Article 3 Paragraph 3 of Directive 2014/53/EU)	-	
	11	Assumptions on spectrum planning	-	
Informative Part	12	Planned changes	-	
	13	Reference	EN 300 220-2; Decision 2017/1483/EU amending Decision 2006/771/EC on the harmonization of radio frequencies spectrum for the use of short range devices and repealing Decision 2006/804/EC; ERC/REC 70-03	
	14	Notification number	-	
	15	Remarks	-	

F1- RTIR Edition:1; Revision:1

ROMANIA	Radio Interface Specification	SRD / Non-specific Short Range Devices	RO-IR 01-08	Edition 2/ 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Non-specific Short Range Devices	
	3	Frequency band	27 140 - 27 150 kHz	<i>Harmonised radio spectrum for use by short-range devices (Decision 2017/1483/EU amending Decision 2006/771/EC on the harmonization of radio frequencies spectrum for the use of short range devices and repealing Decision 2006/804/EC)</i>
	4	Channeling (channel distribution)	-	
	5	Modulation/Occupied bandwidth	10 kHz	
	6	Direction/Separation	-	
	7	Transmit power/Power density	100 mW e.r.p.	
	8	Channel occupation and access rules	Duty cycle limit: 0.1%	<i>Model movement control devices (see RO-IR 08-01) may operate without duty cycle restrictions.</i>
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements (According to Article 3 Paragraph 3 of Directive 2014/53/EU)	-	
	11	Assumptions on spectrum planning	-	
Informative Part	12	Planned changes	-	
	13	Reference	EN 300 220-2; Decision 2017/1483/EU amending Decision 2006/771/EC on the harmonization of radio frequencies spectrum for the use of short range devices and repealing Decision 2006/804/EC; ERC/REC 70-03	
	14	Notification number	-	
	15	Remarks	-	

F1- RTIR Edition:1; Revision:1

ROMANIA	Radio Interface Specification	SRD / Non-specific Short Range Devices	RO-IR 01-09	Edition 2/ 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Non-specific Short Range Devices	
	3	Frequency band	27 190 - 27 200 kHz	<i>Harmonised radio spectrum for use by short-range devices (Decision 2017/1483/EU amending Decision 2006/771/EC on the harmonization of radio frequencies spectrum for the use of short range devices and repealing Decision 2006/804/EC)</i>
	4	Channeling (channel distribution)	-	
	5	Modulation/Occupied bandwidth	10 kHz	
	6	Direction/Separation	-	
	7	Transmit power/Power density	100 mW e.r.p.	
	8	Channel occupation and access rules	Duty cycle limit: 0.1%	<i>Model movement control devices (see RO-IR 08-01) may operate without duty cycle restrictions.</i>
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements (According to Article 3 Paragraph 3 of Directive 2014/53/EU)	-	
	11	Assumptions on spectrum planning	-	
Informative Part	12	Planned changes	-	
	13	Reference	EN 300 220-2; Decision 2017/1483/EU amending Decision 2006/771/EC on the harmonization of radio frequencies spectrum for the use of short range devices and repealing Decision 2006/804/EC; ERC/REC 70-03	
	14	Notification number	-	
	15	Remarks	-	

F1- RTIR Edition:1; Revision:1

ROMANIA	Radio Interface Specification	SRD / Non-specific Short Range Devices	RO-IR 01-10	Edition 2/ 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Non-specific Short Range Devices	
	3	Frequency band	40.66 – 40.70 MHz	<i>Harmonised radio spectrum for use by short-range devices (Decision 2017/1483/EU amending Decision 2006/771/EC on the harmonization of radio frequencies spectrum for the use of short range devices and repealing Decision 2006/804/EC)</i>
	4	Channeling (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 Directive 2014/53/EU)	-	
	11	Assumptions on spectrum planning	-	
Informative Part	12	Planned changes	-	
	13	Reference	EN 300 220-2; Decision 2017/1483/EU amending Decision 2006/771/EC on the harmonization of radio frequencies spectrum for the use of short range devices and repealing Decision 2006/804/EC; ERC/REC 70-03	
	14	Notification number	-	
	15	Remarks	-	

F1- RTIR Edition:1; Revision:1

ROMANIA	Radio Interface Specification	SRD / Non-specific Short Range Devices	RO-IR 01-11	Edition 2/ 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Non-specific Short Range Devices	
	3	Frequency band	138.20 – 138.45 MHz	
	4	Channeling (channel distribution)	-	
	5	Modulation/Occupied bandwidth	-	
	6	Direction/Separation	-	
	7	Transmit power/Power density	10 mW p.e.r.	
	8	Channel occupation and access rules	Duty cycle limit: 1%	<i>Using a duty cycle, a mitigation technique of LBT (Listen Before Talk) harmful interference or other equivalent mitigation technique, it shall not be user-dependent/ adaptable and shall be guaranteed by appropriate technical means. For LBT devices without AFA (Adaptive Frequency Agility) or equivalent techniques, a duty cycle limit shall be applied. For any type of frequency agility device, the duty cycle limit applies to total transmission, unless LBT or an equivalent technique is used.</i>
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements (According to Article 3 Paragraph 3 of Directive 2014/53/EU)	-	
	11	Assumptions on spectrum planning	-	
Informative Part	12	Planned changes	-	
	13	Reference	EN 300 220-2; ERC/REC 70-03	
	14	Notification number	2014/597/RO	
	15	Remarks	-	

F1- RTIR Edition:1; Revision:1

ROMANIA	Radio Interface Specification	SRD / Non-specific Short Range Devices	RO-IR 01-12	Edition 2/ 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Non-specific Short Range Devices	
	3	Frequency band	169.4 – 169.475 MHz	<i>Harmonised radio spectrum for use by short-range devices (Decision 2017/1483/EU amending Decision 2006/771/EC on the harmonization of radio frequencies spectrum for the use of short range devices and repealing Decision 2006/804/EC)</i>
	4	Channeling (channel distribution)	Max 50 kHz	
	5	Modulation/Occupied bandwidth	-	
	6	Direction/Separation	-	
	7	Transmit power/Power density	500 mW effective radiated power (e.r.p.)	
	8	Channel occupation and access rules	Duty cycle limit: 1% For measuring devices (see RO-IR 02-01), duty cycle limit is 10%.	
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements (According to Article 3 Paragraph 3 of Directive 2014/53/EU)	-	
	11	Assumptions on spectrum planning	-	
Informative Part	12	Planned changes	-	
	13	Reference	EN 300 220-2; EN 300 220-4; Decision 2017/1483/EU amending Decision 2006/771/EC on the harmonization of radio frequencies spectrum for the use of short range devices and repealing Decision 2006/804/EC; ECC/DEC/(05)02; ERC/REC 70-03	
	14	Notification number	-	
	15	Remarks	-	

F1- RTIR Edition:1; Revision:1

ROMANIA	Radio Interface Specification	SRD / Non-specific Short Range Devices	RO-IR 01-13	Edition 2/ 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Non-specific Short Range Devices	
	3	Frequency band	169.4 – 169.4875 MHz	<i>Harmonised radio spectrum for use by short-range devices (Decision 2017/1483/EU amending Decision 2006/771/EC on the harmonization of radio frequencies spectrum for the use of short range devices and repealing Decision 2006/804/EC)</i>
	4	Channeling (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	Techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in the harmonised standards adopted under Directive 2014/53/EU shall be used. Duty cycle limit: 0.1%	
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements (According to Article 3 Paragraph 3 of Directive 2014/53/EU)	-	
	11	Assumptions on spectrum planning	-	
Informative Part	12	Planned changes	-	
	13	Reference	EN 300 220-2; Decision 2017/1483/EU amending Decision 2006/771/EC on the harmonization of radio frequencies spectrum for the use of short range devices and repealing Decision 2006/804/EC; ECC/DEC/(05)02; ERC/REC 70-03	
	14	Notification number	-	
	15	Remarks	-	

F1- RTIR Edition:1; Revision:1

ROMANIA	Radio Interface Specification	SRD / Non-specific Short Range Devices	RO-IR 01-14	Edition 2/ 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Non-specific Short Range Devices	
	3	Frequency band	169.4875 - 169.5875 MHz	<i>Harmonised radio spectrum for use by short-range devices (Decision 2017/1483/EU amending Decision 2006/771/EC on the harmonization of radio frequencies spectrum for the use of short range devices and repealing Decision 2006/804/EC)</i>
	4	Channeling (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	Techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in the harmonised standards adopted under Directive 2014/53/EU shall be used. Duty cycle limit: 0.001%	<i>Between 00.00 and 6.00 local time, a 0.1% duty cycle limit may be used.</i>
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements (According to Article 3 Paragraph 3 of Directive 2014/53/EU)	-	
	11	Assumptions on spectrum planning	-	
Informative Part	12	Planned changes	-	
	13	Reference	EN 300 220-2; Decision 2017/1483/EU amending Decision 2006/771/EC on the harmonization of radio frequencies spectrum for the use of short range devices and repealing Decision 2006/804/EC; ECC/DEC/(05)02; ERC/REC 70-03	
	14	Notification number	-	
	15	Remarks	-	

F1- RTIR Edition:1; Revision:1

ROMANIA	Radio Interface Specification	SRD / Non-specific Short Range Devices	RO-IR 01-15	Edition 2/ 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Non-specific Short Range Devices	
	3	Frequency band	169.5875 – 169.8125 MHz	<i>Harmonised radio spectrum for use by short-range devices (Decision 2017/1483/EU amending Decision 2006/771/EC on the harmonization of radio frequencies spectrum for the use of short range devices and repealing Decision 2006/804/EC)</i>
	4	Channeling (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	Techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in the harmonised standards adopted under Directive 2014/53/EU shall be used. Duty cycle limit: 0.1%	
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements (According to Article 3 Paragraph 3 of Directive 2014/53/EU)	-	
	11	Assumptions on spectrum planning	-	
Informative Part	12	Planned changes	-	
	13	Reference	EN 300 220-2; Decision 2017/1483/EU amending Decision 2006/771/EC on the harmonization of radio frequencies spectrum for the use of short range devices and repealing Decision 2006/804/EC; ECC/DEC/(05)02; ERC/REC 70-03	
	14	Notification number	-	
	15	Remarks	-	

F1- RTIR Edition:1; Revision:1

ROMANIA	Radio Interface Specification	SRD / Non-specific Short Range Devices	RO-IR 01-16a	Edition 2/ 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Non-specific Short Range Devices	<i>Audio and video applications are excluded.</i>
	3	Frequency band	433.05 – 434.04 MHz	<i>Harmonised radio spectrum for use by short-range devices (Decision 2017/1483/EU amending Decision 2006/771/EC on the harmonization of radio frequencies spectrum for the use of short range devices and repealing Decision 2006/804/EC)</i>
	4	Channeling (channel distribution)	-	
	5	Modulation/Occupied bandwidth	-	
	6	Direction/Separation	-	
	7	Transmit power/Power density	1 mW e.r.p. and – 13 dBm/10 kHz power density for wideband modulation with a bandwidth grater than 250 kHz	
	8	Channel occupation and access rules	Voice applications are allowed only with advanced mitigation techniques.	
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements (According to Article 3 Paragraph 3 of Directive 2014/53/EU)	-	
	11	Assumptions on spectrum planning	-	
Informative Part	12	Planned changes	-	
	13	Reference	EN 300 220-2; Decision 2017/1483/EU amending Decision 2006/771/EC on the harmonization of radio frequencies spectrum for the use of short range devices and repealing Decision 2006/804/EC	
	14	Notification number	-	
	15	Remarks	-	

F1- RTIR Edition:1; Revision:1

ROMANIA	Radio Interface Specification	SRD / Non-specific Short Range Devices	RO-IR 01-16b	Edition 2/ 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Non-specific Short Range Devices	<i>Audio analogue applications, other than voice are excluded. Video analogue applications are excluded.</i>
	3	Frequency band	433.05 – 434.04 MHz	<i>Harmonised radio spectrum for use by short-range devices (Decision 2017/1483/EU amending Decision 2006/771/EC on the harmonization of radio frequencies spectrum for the use of short range devices and repealing Decision 2006/804/EC)</i>
	4	Channeling (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	Duty cycle limit: 10%	
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements (According to Article 3 Paragraph 3 of Directive 2014/53/EU)	-	
	11	Assumptions on spectrum planning	-	
Informative Part	12	Planned changes	-	
	13	Reference	EN 300 220-2; Decision 2017/1483/EU amending Decision 2006/771/EC on the harmonization of radio frequencies spectrum for the use of short range devices and repealing Decision 2006/804/EC	
	14	Notification number	-	
	15	Remarks	-	

F1- RTIR Edition:1; Revision:1

ROMANIA	Radio Interface Specification	SRD / Non-specific Short Range Devices	RO-IR 01-17a	Edition 2/ 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Non-specific Short Range Devices	<i>Audio and video applications are excluded.</i>
	3	Frequency band	434.04 – 434.79 MHz	<i>Harmonised radio spectrum for use by short-range devices (Decision 2017/1483/EU amending Decision 2006/771/EC on the harmonization of radio frequencies spectrum for the use of short range devices and repealing Decision 2006/804/EC)</i>
	4	Channeling (channel distribution)	-	
	5	Modulation/Occupied bandwidth	-	
	6	Direction/Separation	-	
	7	Transmit power/Power density	1 mW e.r.p. and – 13 dBm/10 kHz power density for wideband modulation with a bandwidth greater than 250 kHz	
	8	Channel occupation and access rules	Voice applications are allowed only with advanced mitigation techniques.	
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements (According to Article 3 Paragraph 3 of Directive 2014/53/EU)	-	
	11	Assumptions on spectrum planning	-	
Informative Part	12	Planned changes	-	
	13	Reference	EN 300 220-2; Decision 2017/1483/EU amending Decision 2006/771/EC on the harmonization of radio frequencies spectrum for the use of short range devices and repealing Decision 2006/804/EC	
	14	Notification number	-	
	15	Remarks	-	

F1- RTIR Edition:1; Revision:1

ROMANIA	Radio Interface Specification	SRD / Non-specific Short Range Devices	RO-IR 01-17b	Edition 2/ 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Non-specific Short Range Devices	<i>Audio analogue applications, other than voice are excluded. Video analogue applications are excluded.</i>
	3	Frequency band	434.04 – 434.79 MHz	<i>Harmonised radio spectrum for use by short-range devices (Decision 2017/1483/EU amending Decision 2006/771/EC on the harmonization of radio frequencies spectrum for the use of short range devices and repealing Decision 2006/804/EC)</i>
	4	Channeling (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	Duty cycle limit: 10%	
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements (According to Article 3 Paragraph 3 of Directive 2014/53/EU)	-	
	11	Assumptions on spectrum planning	-	
Informative Part	12	Planned changes	-	
	13	Reference	EN 300 220-2; Decision 2017/1483/EU amending Decision 2006/771/EC on the harmonization of radio frequencies spectrum for the use of short range devices and repealing Decision 2006/804/EC	
	14	Notification number	-	
	15	Remarks	-	

ROMANIA	Radio Interface Specification	SRD / Non-specific Short Range Devices	RO-IR 01-17c	Edition 2/ 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Non-specific Short Range Devices	<i>Audio and video applications are excluded.</i>
	3	Frequency band	434.04 – 434.79 MHz	<i>Harmonised radio spectrum for use by short-range devices (Decision 2017/1483/EU amending Decision 2006/771/EC on the harmonization of radio frequencies spectrum for the use of short range devices and repealing Decision 2006/804/EC)</i>
	4	Channeling (channel distribution)	up to 25 kHz	
	5	Modulation/Occupied bandwidth	-	
	6	Direction/Separation	-	
	7	Transmit power/Power density	10 mW e.r.p.	
	8	Channel occupation and access rules	Duty cycle limit: 100% subject to a channel spacing of up to 25 kHz. Voice applications are allowed only with advanced mitigation techniques.	
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements (According to Article 3 Paragraph 3 of Directive 2014/53/EU)	-	
	11	Assumptions on spectrum planning	-	
Informative Part	12	Planned changes	-	
	13	Reference	EN 300 220-2; Decision 2017/1483/EU amending Decision 2006/771/EC on the harmonization of radio frequencies spectrum for the use of short range devices and repealing Decision 2006/804/EC; ERC/REC 70-03	
	14	Notification number	-	
	15	Remarks	-	

F1- RTIR Edition:1; Revision:1

ROMANIA	Radio Interface Specification	SRD / Non-specific Short Range Devices	RO-IR 01-18	Edition 2/ 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Non-specific Short Range Devices	
	3	Frequency band	863 – 865 MHz	<i>Harmonised radio spectrum for use by short-range devices (Decision 2017/1483/EU amending Decision 2006/771/EC on the harmonization of radio frequencies spectrum for the use of short range devices and repealing Decision 2006/804/EC)</i>
	4	Channeling (channel distribution)	-	
	5	Modulation/Occupied bandwidth	-	
	6	Direction/Separation	-	
	7	Transmit power/Power density	25 mW e.r.p.	
	8	Channel occupation and access rules	Techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in harmonised standards adopted under Directive 2014/53/EU shall be used. Alternatively a duty cycle limit of 0.1% may also be used.	
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements (According to Article 3 Paragraph 3 of Directive 2014/53/EU)	-	
	11	Assumptions on spectrum planning	-	
Informative Part	12	Planned changes	-	
	13	Reference	EN 300 220-2; Decision 2017/1483/EU amending Decision 2006/771/EC on the harmonization of radio frequencies spectrum for the use of short range devices and repealing Decision 2006/804/EC	
	14	Notification number	-	
	15	Remarks	-	

F1- RTIR Edition:1; Revision:1

ROMANIA	Radio Interface Specification	SRD / Non-specific Short Range Devices	RO-IR 01-19a	Edition 2/ 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Non-specific Short Range Devices	<i>Audio analogue applications, other than voice are excluded. Video analogue applications are excluded.</i>
	3	Frequency band	865 – 868 MHz	<i>Harmonised radio spectrum for use by short-range devices (Decision 2017/1483/EU amending Decision 2006/771/EC on the harmonization of radio frequencies spectrum for the use of short range devices and repealing Decision 2006/804/EC)</i>
	4	Channeling (channel distribution)	-	
	5	Modulation/Occupied bandwidth	-	
	6	Direction/Separation	-	
	7	Transmit power/Power density	25 mW e.r.p.	
	8	Channel occupation and access rules	Techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in harmonised standards adopted under Directive 2014/53/EC shall be used. Alternatively a duty cycle limit of 1% may also be used.	
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements (According to Article 3 Paragraph 3 of Directive 2014/53/EU)	-	
	11	Assumptions on spectrum planning	-	
Informative Part	12	Planned changes	-	
	13	Reference	EN 300 220-2; Decision 2017/1483/EU amending Decision 2006/771/EC on the harmonization of radio frequencies spectrum for the use of short range devices and repealing Decision 2006/804/EC	
	14	Notification number	-	
	15	Remarks	-	

F1- RTIR Edition:1; Revision:1

ROMANIA	Radio Interface Specification	SRD / Non-specific Short Range Devices	RO-IR 01-19b	Edition 2/ 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Non-specific Short Range Devices	<i>This set of conditions applies only to data networks.¹</i>
	3	Frequency band	865 – 868 MHz	<i>Harmonised radio spectrum for use by short-range devices (Decision 2017/1483/EU amending Decision 2006/771/EC on the harmonization of radio frequencies spectrum for the use of short range devices and repealing Decision 2006/804/EC)</i>
	4	Channeling (channel distribution)	-	
	5	Modulation/Occupied bandwidth	up to 200 kHz	
	6	Direction/Separation	-	
	7	Transmit power/Power density	500 mW e.r.p. Transmissions are allowed only in bands 865.6-865.8 MHz, 866.2-866.4 MHz, 866.8- 867.0 MHz and 867.4-867.6 MHz.	<i>Adaptive power control (APC) is required. Alternatively, another mitigation technique having at least an equivalent level of spectrum compatibility.</i>
	8	Channel occupation and access rules	Techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in harmonised standards adopted under Directive 2014/53/EU shall be used. Duty cycle limit: ≤ 10% for network access points ¹ Duty cycle limit: 2.5% in the other cases	
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements (According to Article 3 Paragraph 3 of Directive 2014/53/EU)	-	
	11	Assumptions on spectrum planning	-	
Informative Part	12	Planned changes	-	
	13	Reference	EN 300 220-2; Decision 2017/1483/EU amending Decision 2006/771/EC on the harmonization of radio frequencies spectrum for the use of short range devices and repealing Decision 2006/804/EC	
	14	Notification number	-	
	15	Remarks	-	

F1- RTIR Edition:1; Revision:1

¹ A network access point on a data network is a fixed terrestrial short-range device that acts as a point of connection for other short-range devices in the data network for service platforms outside that data network. The term data network refers to several short-range devices, including the network access point, having the network component function and the wireless connections between them.

ROMANIA	Radio Interface Specification	SRD / Non-specific Short Range Devices	RO-IR 01-20	Edition 2/ 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Non-specific Short Range Devices	<i>Video analogue applications are excluded.</i>
	3	Frequency band	868 – 868.6 MHz	<i>Harmonised radio spectrum for use by short-range devices (Decision 2017/1483/EU amending Decision 2006/771/EC on the harmonization of radio frequencies spectrum for the use of short range devices and repealing Decision 2006/804/EC)</i>
	4	Channeling (channel distribution)	-	
	5	Modulation/Occupied bandwidth	-	
	6	Direction/Separation	-	
	7	Transmit power/Power density	25 mW e.r.p.	
	8	Channel occupation and access rules	Techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in harmonised standards adopted under Directive 2014/53/EU shall be used. Alternatively a duty cycle limit of 1% may also be used.	
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements (According to Article 3 Paragraph 3 of Directive 2014/53/EU)	-	
	11	Assumptions on spectrum planning	-	
Informative Part	12	Planned changes	-	
	13	Reference	EN 300 220-2; Decision 2017/1483/EU amending Decision 2006/771/EC on the harmonization of radio frequencies spectrum for the use of short range devices and repealing Decision 2006/804/EC; ERC/REC 70-03	
	14	Notification number	-	
	15	Remarks	-	

F1- RTIR Edition:1; Revision:1

ROMANIA	Radio Interface Specification	SRD / Non-specific Short Range Devices	RO-IR 01-21	Edition 2/ 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Non-specific Short Range Devices	<i>Video analogue applications are excluded.</i>
	3	Frequency band	868.7 – 869.2 MHz	<i>Harmonised radio spectrum for use by short-range devices (Decision 2017/1483/EU amending Decision 2006/771/EC on the harmonization of radio frequencies spectrum for the use of short range devices and repealing Decision 2006/804/EC)</i>
	4	Channeling (channel distribution)	-	
	5	Modulation/Occupied bandwidth	-	
	6	Direction/Separation	-	
	7	Transmit power/Power density	25 mW e.r.p.	
	8	Channel occupation and access rules	Techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in harmonised standards adopted under Directive 2014/53/EU shall be used. Alternatively a duty cycle limit of 0.1% may also be used.	
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements (According to Article 3 Paragraph 3 of Directive 2014/53/EU)	-	
	11	Assumptions on spectrum planning	-	
Informative Part	12	Planned changes	-	
	13	Reference	EN 300 220-2; Decision 2017/1483/EU amending Decision 2006/771/EC on the harmonization of radio frequencies spectrum for the use of short range devices and repealing Decision 2006/804/EC; ERC/REC 70-03	
	14	Notification number	-	
	15	Remarks	-	

F1- RTIR Edition:1; Revision:1

ROMANIA	Radio Interface Specification	SRD / Non-specific Short Range Devices	RO-IR 01-22	Edition 2/ 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Non-specific Short Range Devices	<i>Video analogue applications are excluded.</i>
	3	Frequency band	869.40 – 869.65 MHz	<i>Harmonised radio spectrum for use by short-range devices (Decision 2017/1483/EU amending Decision 2006/771/EC on the harmonization of radio frequencies spectrum for the use of short range devices and repealing Decision 2006/804/EC)</i>
	4	Channeling (channel distribution)	-	
	5	Modulation/Occupied bandwidth	-	
	6	Direction/Separation	-	
	7	Transmit power/Power density	500 mW e.r.p.	
	8	Channel occupation and access rules	Techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in harmonised standards adopted under Directive 2014/53/EU shall be used. Alternatively a duty cycle limit of 10% may also be used.	
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements (According to Article 3 Paragraph 3 of Directive 2014/53/EU)	-	
	11	Assumptions on spectrum planning	-	
Informative Part	12	Planned changes	-	
	13	Reference	EN 300 220-2; Decision 2017/1483/EU amending Decision 2006/771/EC on the harmonization of radio frequencies spectrum for the use of short range devices and repealing Decision 2006/804/EC; ERC/REC 70-03	
	14	Notification number	-	
	15	Remarks	-	

F1- RTIR Edition:1; Revision:1

ROMANIA	Radio Interface Specification	SRD / Non-specific Short Range Devices	RO-IR 01-23a	Edition 2/ 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Non-specific Short Range Devices	<i>Audio and video applications are excluded.</i>
	3	Frequency band	869.7 – 870 MHz	<i>Harmonised radio spectrum for use by short-range devices (Decision 2017/1483/EU amending Decision 2006/771/EC on the harmonization of radio frequencies spectrum for the use of short range devices and repealing Decision 2006/804/EC)</i>
	4	Channeling (channel distribution)	-	
	5	Modulation/Occupied bandwidth	-	
	6	Direction/Separation	-	
	7	Transmit power/Power density	5 mW e.r.p.	
	8	Channel occupation and access rules	Voice applications are allowed only with advanced mitigation techniques	
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements (According to Article 3 Paragraph 3 of Directive 2014/53/EU)	-	
	11	Assumptions on spectrum planning	-	
Informative Part	12	Planned changes	-	
	13	Reference	EN 300 220-2; Decision 2017/1483/EU amending Decision 2006/771/EC on the harmonization of radio frequencies spectrum for the use of short range devices and repealing Decision 2006/804/EC; ERC/REC 70-03	
	14	Notification number	-	
	15	Remarks	-	

F1- RTIR Edition:1; Revision:1

ROMANIA	Radio Interface Specification	SRD / Non-specific Short Range Devices	RO-IR 01-23b	Edition 2/ 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Non-specific Short Range Devices	<i>Audio analogue applications, other than voice are excluded. Video analogue applications are excluded.</i>
	3	Frequency band	869.7 – 870 MHz	<i>Harmonised radio spectrum for use by short-range devices (Decision 2017/1483/EU amending Decision 2006/771/EC on the harmonization of radio frequencies spectrum for the use of short range devices and repealing Decision 2006/804/EC)</i>
	4	Channeling (channel distribution)	-	
	5	Modulation/Occupied bandwidth	-	
	6	Direction/Separation	-	
	7	Transmit power/Power density	25 mW e.r.p.	
	8	Channel occupation and access rules	Techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in harmonised standards adopted under Directive 2014/53/EU shall be used. Alternatively a duty cycle limit of 1% may also be used.	
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements (According to Article 3 Paragraph 3 of Directive 2014/53/EU)	-	
	11	Assumptions on spectrum planning	-	
Informative Part	12	Planned changes	-	
	13	Reference	EN 300 220-2; Decision 2017/1483/EU amending Decision 2006/771/EC on the harmonization of radio frequencies spectrum for the use of short range devices and repealing Decision 2006/804/EC; ERC/REC 70-03	
	14	Notification number	-	
	15	Remarks	-	

F1- RTIR Edition:1; Revision:1

ROMANIA	Radio Interface Specification	SRD / Non-specific Short Range Devices	RO-IR 01-24	Edition 2/ 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Non-specific Short Range Devices	
	3	Frequency band	2 400 - 2 483.5 MHz	<i>Harmonised radio spectrum for use by short-range devices (Decision 2017/1483/EU amending Decision 2006/771/EC on the harmonization of radio frequencies spectrum for the use of short range devices and repealing Decision 2006/804/EC)</i>
	4	Channeling (channel distribution)	-	
	5	Modulation/Occupied bandwidth	-	
	6	Direction/Separation	-	
	7	Transmit power/Power density	10 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 Directive 2014/53/EU)	-	
	11	Assumptions on spectrum planning	-	
Informative Part	12	Planned changes	-	
	13	Reference	EN 300 440; Decision 2017/1483/EU amending Decision 2006/771/EC on the harmonization of radio frequencies spectrum for the use of short range devices and repealing Decision 2006/804/EC; ERC/REC 70-03	
	14	Notification number	-	
	15	Remarks	-	

F1- RTIR Edition:1; Revision:1

ROMANIA	Radio Interface Specification	SRD / Non-specific Short Range Devices	RO-IR 01-25	Edition 2/ 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Non-specific Short Range Devices	
	3	Frequency band	5 725 - 5 875 MHz	<i>Harmonised radio spectrum for use by short-range devices (Decision 2017/1483/EU amending Decision 2006/771/EC on the harmonization of radio frequencies spectrum for the use of short range devices and repealing Decision 2006/804/EC)</i>
	4	Channeling (channel distribution)	-	
	5	Modulation/Occupied bandwidth	-	
	6	Direction/Separation	-	
	7	Transmit power/Power density	25 mW 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 Directive 2014/53/EU)	-	
	11	Assumptions on spectrum planning	-	
Informative Part	12	Planned changes	-	
	13	Reference	EN 300 440; Decision 2017/1483/EU amending Decision 2006/771/EC on the harmonization of radio frequencies spectrum for the use of short range devices and repealing Decision 2006/804/EC; ERC/REC 70-03	
	14	Notification number	-	
	15	Remarks	-	

F1- RTIR Edition:1; Revision:1

ROMANIA	Radio Interface Specification	SRD / Non-specific Short Range Devices	RO-IR 01-26	Edition 2/ 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Non-specific Short Range Devices	
	3	Frequency band	24 – 24.15 GHz	
	4	Channeling (channel distribution)	-	
	5	Modulation/Occupied bandwidth	-	
	6	Direction/Separation	-	
	7	Transmit power/Power density	100 mW 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 Directive 2014/53/EU)	-	
	11	Assumptions on spectrum planning	-	
Informative Part	12	Planned changes	-	
	13	Reference	EN 300 440; ERC/REC 70-03	
	14	Notification number	2014/597/RO	
	15	Remarks	-	

F1- RTIR Edition:1; Revision:1

ROMANIA	Radio Interface Specification	SRD / Non-specific Short Range Devices	RO-IR 01-27	Edition 2/ 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Non-specific Short Range Devices	
	3	Frequency band	24.15 – 24.25 GHz	<i>Harmonised radio spectrum for use by short-range devices (Decision 2017/1483/EU amending Decision 2006/771/EC on the harmonization of radio frequencies spectrum for the use of short range devices and repealing Decision 2006/804/EC)</i>
	4	Channeling (channel distribution)	-	
	5	Modulation/Occupied bandwidth	-	
	6	Direction/Separation	-	
	7	Transmit power/Power density	100 mW 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 Directive 2014/53/EU)	-	
	11	Assumptions on spectrum planning	-	
Informative Part	12	Planned changes	-	
	13	Reference	EN 300 440; Decision 2017/1483/EU amending Decision 2006/771/EC on the harmonization of radio frequencies spectrum for the use of short range devices and repealing Decision 2006/804/EC; ERC/REC 70-03	
	14	Notification number	-	
	15	Remarks	-	

F1- RTIR Edition:1; Revision:1

ROMANIA	Radio Interface Specification	SRD / Non-specific Short Range Devices	RO-IR 01-28	Edition 2 / 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Non-specific Short Range Devices	
	3	Frequency band	57 - 64 GHz	<i>Harmonised radio spectrum for use by short-range devices (Decision 2017/1483/EU amending Decision 2006/771/EC on the harmonization of radio frequencies spectrum for the use of short range devices and repealing Decision 2006/804/EC)</i>
	4	Channeling (channel distribution)	-	
	5	Modulation/Occupied bandwidth	-	
	6	Direction/Separation	-	
	7	Transmit power/Power density	100 mW e.i.r.p., 10 dBm maximum transmit power and 13 dBm/MHz maximum e.i.r.p. power spectral density	
	8	Channel occupation and access rules	-	
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements (According to Article 3 Paragraph 3 of Directive 2014/53/EU)	-	
	11	Assumptions on spectrum planning	-	
Informative Part	12	Planned changes	-	
	13	Reference	EN 305 550; Decision 2017/1483/EU amending Decision 2006/771/EC on the harmonization of radio frequencies spectrum for the use of short range devices and repealing Decision 2006/804/EC; ERC/REC 70-03	
	14	Notification number	-	
	15	Remarks	-	

F1- RTIR Edition:1; Revision:1

ROMANIA	Radio Interface Specification	SRD / Non-specific Short Range Devices	RO-IR 01-29	Edition 2 / 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Non-specific Short Range Devices	
	3	Frequency band	61 - 61.5 GHz	<i>Harmonised radio spectrum for use by short-range devices (Decision 2017/1483/EU amending Decision 2006/771/EC on the harmonization of radio frequencies spectrum for the use of short range devices and repealing Decision 2006/804/EC)</i>
	4	Channeling (channel distribution)	-	
	5	Modulation/Occupied bandwidth	-	
	6	Direction/Separation	-	
	7	Transmit power/Power density	100 mW 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 Directive 2014/53/EU)	-	
	11	Assumptions on spectrum planning	-	
Informative Part	12	Planned changes	-	
	13	Reference	EN 305 550; Decision 2017/1483/EU amending Decision 2006/771/EC on the harmonization of radio frequencies spectrum for the use of short range devices and repealing Decision 2006/804/EC; ERC/REC 70-03	
	14	Notification number	-	
	15	Remarks	-	

F1- RTIR Edition:1; Revision:1

ROMANIA	Radio Interface Specification	SRD / Non-specific Short Range Devices	RO-IR 01-30a	Edition 2 / 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Non-specific Short Range Devices	
	3	Frequency band	122 – 122.25 GHz	<i>Harmonised radio spectrum for use by short-range devices (Decision 2017/1483/EU amending Decision 2006/771/EC on the harmonization of radio frequencies spectrum for the use of short range devices and repealing Decision 2006/804/EC)</i>
	4	Channeling (channel distribution)	-	
	5	Modulation/Occupied bandwidth	-	
	6	Direction/Separation	-	
	7	Transmit power/Power density	10 dBm e.i.r.p./250 MHz and – 48 dBm/MHz for a 30° elevation	
	8	Channel occupation and access rules	-	
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements (According to Article 3 Paragraph 3 of Directive 2014/53/EU)	-	
	11	Assumptions on spectrum planning	-	
Informative Part	12	Planned changes	-	
	13	Reference	EN 305 550; Decision 2017/1483/EU amending Decision 2006/771/EC on the harmonization of radio frequencies spectrum for the use of short range devices and repealing Decision 2006/804/EC; ERC/REC 70-03	
	14	Notification number	-	
	15	Remarks	-	

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ROMANIA	Radio Interface Specification	SRD / Non-specific Short Range Devices	RO-IR 01-30b	Edition 2 / 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Non-specific Short Range Devices	
	3	Frequency band	122.25 - 123 GHz	<i>Harmonised radio spectrum for use by short-range devices (Decision 2017/1483/EU amending Decision 2006/771/EC on the harmonization of radio frequencies spectrum for the use of short range devices and repealing Decision 2006/804/EC)</i>
	4	Channeling (channel distribution)	-	
	5	Modulation/Occupied bandwidth	-	
	6	Direction/Separation	-	
	7	Transmit power/Power density	100 mW 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 Directive 2014/53/EU)	-	
	11	Assumptions on spectrum planning	-	
Informative Part	12	Planned changes	-	
	13	Reference	EN 305 550; Decision 2017/1483/EU amending Decision 2006/771/EC on the harmonization of radio frequencies spectrum for the use of short range devices and repealing Decision 2006/804/EC; ERC/REC 70-03	
	14	Notification number	-	
	15	Remarks	-	

F1- RTIR Edition:1; Revision:1

ROMANIA	Radio Interface Specification	SRD / Non-specific Short Range Devices	RO-IR 01-31	Edition 2 / 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Non-specific Short Range Devices	
	3	Frequency band	244 - 246 GHz	<i>Harmonised radio spectrum for use by short-range devices (Decision 2017/1483/EU amending Decision 2006/771/EC on the harmonization of radio frequencies spectrum for the use of short range devices and repealing Decision 2006/804/EC)</i>
	4	Channeling (channel distribution)	-	
	5	Modulation/Occupied bandwidth	-	
	6	Direction/Separation	-	
	7	Transmit power/Power density	100 mW 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 Directive 2014/53/EU)	-	
	11	Assumptions on spectrum planning	-	
Informative Part	12	Planned changes	-	
	13	Reference	EN 305 550; Decision 2017/1483/EU amending Decision 2006/771/EC on the harmonization of radio frequencies spectrum for the use of short range devices and repealing Decision 2006/804/EC; ERC/REC 70-03	
	14	Notification number	-	
	15	Remarks	-	

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