

RO-IR 09

TECHNICAL REGULATION

for the radio interface

concerning inductive devices

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 inductive 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 (EU) 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

Inductive devices

Frequency band	Annex
9 – 59.75 kHz	RO-IR 09–01
59.75 – 60.25 kHz	RO-IR 09–02
60.25 – 74.75 kHz	RO-IR 09–03
74.75 – 75.25 kHz	RO-IR 09–04
75.25 – 77.25 kHz	RO-IR 09–05
77.25 – 77.75 kHz	RO-IR 09–06
77.75 – 90 kHz	RO-IR 09–07
90 – 119 kHz	RO-IR 09–08
119 – 128.6 kHz	RO-IR 09–09
128.6 – 129.6 kHz	RO-IR 09–10
129.6 – 135 kHz	RO-IR 09–11
135 – 140 kHz	RO-IR 09–12
140 – 148.5 kHz	RO-IR 09–13
148.5 - 5 000 kHz	RO-IR 09–14
3 155 - 3 400 kHz	RO-IR 09–15
5 000 - 30 000 kHz	RO-IR 09–16
6 765 - 6 795 kHz	RO-IR 09–17
7 400 - 8 800 kHz	RO-IR 09–18

10 200 - 11 000 kHz	RO-IR 09–19
13 553 - 13 567 kHz	RO-IR 09–20

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 *inductive device category* covers radio devices that use magnetic fields with inductive loop systems for near field communications. Typical uses include devices for car immobilization, animal identification, alarm systems, cable detection, waste management, personal identification, wireless voice links, access control, proximity sensors, anti-theft systems, including RF anti-theft induction systems, data transfer to hand-held devices, automatic article identification, wireless control systems and automatic tolling for road infrastructure usage.

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 device is allowed on a non-interference and non-protected basis provided that such device meets the conditions set out in the Annexes.

3. Document history:

Edition	Changes
Edition 1/2014	Notification number according to Directive 98/34/EC: 2014/605/RO.
Edition 2/2018 (06.08.2018)	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: <ul style="list-style-type: none"> - RO-IR 09-21 was removed (frequency band 26957–27283 kHz) Update of the legal framework according to Point 1 – „Basic considerations” and reference documents (row 13). Formal changes according to TCAM-RSC model of November 2017.

ROMANIA	Radio Interface Specification	SRD / Inductive devices	RO-IR 09-01	Edition 2/ 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Inductive devices	
	3	Frequency band	9 – 59.75 kHz	<i>Harmonised radio spectrum for use by short-range devices (Implementing Decision (EU) 2017/1483 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	Channelling (channel distribution)	-	
	5	Modulation / Occupied bandwidth	-	
	6	Direction/Separation	-	
	7	Transmit power / Power density	72 dBμA/m at 10 meters	
	8	Channel access and occupation rules	-	
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements (According to Article 3 Paragraph 3 of 2014/53/EU Directive)	-	
	11	Frequency planning assumptions	-	
Informative Part	12	Planned changes	-	
	13	Reference	EN 300 330; The implementing Decision (EU) 2017/1483 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 / Inductive devices	RO-IR 09-02	Edition 2/ 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Inductive devices	
	3	Frequency band	59.75 – 60.25 kHz	<i>Harmonised radio spectrum for use by short-range devices (Implementing Decision (EU) 2017/1483 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	Channelling (channel distribution)	-	
	5	Modulation / Occupied bandwidth	-	
	6	Direction/Separation	-	
	7	Transmit power / Power density	42 dBμA/m at 10 meters	
	8	Channel access and occupation rules	-	
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements (According to Article 3 Paragraph 3 of 2014/53/EU Directive)	-	
	11	Frequency planning assumptions	-	
Informative Part	12	Planned changes	-	
	13	Reference	EN 300 330; Implementing Decision (EU) 2017/1483 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 / Inductive devices	RO-IR 09-03	Edition 2 / 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Inductive devices	
	3	Frequency band	60.25 – 74.75 kHz	<i>Harmonised radio spectrum for use by short-range devices (Implementing Decision (EU) 2017/1483 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	Channelling (channel distribution)	-	
	5	Modulation / Occupied bandwidth	-	
	6	Direction/Separation	-	
	7	Transmit power / Power density	72 dBμA/m at 10 meters	
	8	Channel access and occupation rules	-	
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements (According to Article 3 Paragraph 3 of 2014/53/EU Directive)	-	
	11	Frequency planning assumptions	-	
Informative Part	12	Planned changes	-	
	13	Reference	EN 300 330; Implementing Decision (EU) 2017/1483 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 / Inductive devices	RO-IR 09-04	Edition 2 / 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Inductive devices	
	3	Frequency band	74.75 – 75.25 kHz	<i>Harmonised radio spectrum for use by short-range devices (Implementing Decision (EU) 2017/1483 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	Channelling (channel distribution)	-	
	5	Modulation / Occupied bandwidth	-	
	6	Direction/Separation	-	
	7	Transmit power / Power density	42 dBμA/m at 10 meters	
	8	Channel access and occupation rules	-	
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements (According to Article 3 Paragraph 3 of 2014/53/EU Directive)	-	
	11	Frequency planning assumptions	-	
Informative Part	12	Planned changes	-	
	13	Reference	EN 300 330; Implementing Decision (EU) 2017/1483 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 / Inductive devices	RO-IR 09-05	Edition 2 / 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Inductive devices	
	3	Frequency band	75.25 – 77.25 kHz	<i>Harmonised radio spectrum for use by short-range devices (Implementing Decision (EU) 2017/1483 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	Channelling (channel distribution)	-	
	5	Modulation / Occupied bandwidth	-	
	6	Direction/Separation	-	
	7	Transmit power / Power density	72 dBμA/m at 10 meters	
	8	Channel access and occupation rules	-	
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements (According to Article 3 Paragraph 3 of 2014/53/EU Directive)	-	
	11	Frequency planning assumptions	-	
Informative Part	12	Planned changes	-	
	13	Reference	EN 300 330; Implementing Decision (EU) 2017/1483 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 / Inductive devices	RO-IR 09-06	Edition 2 / 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Inductive devices	
	3	Frequency band	77.25 – 77.75 kHz	<i>Harmonised radio spectrum for use by short-range devices (Implementing Decision (EU) 2017/1483 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	Channelling (channel distribution)	-	
	5	Modulation / Occupied bandwidth	-	
	6	Direction/Separation	-	
	7	Transmit power / Power density	42 dBμA/m at 10 meters	
	8	Channel access and occupation rules	-	
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements (According to Article 3 Paragraph 3 of 2014/53/EU Directive)	-	
	11	Frequency planning assumptions	-	
Informative Part	12	Planned changes	-	
	13	Reference	EN 300 330; Implementing Decision (EU) 2017/1483 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 / Inductive devices	RO-IR 09-07	Edition 2 / 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Inductive devices	
	3	Frequency band	77.75 – 90 kHz	<i>Harmonised radio spectrum for use by short-range devices (Implementing Decision (EU) 2017/1483 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	Channelling (channel distribution)	-	
	5	Modulation / Occupied bandwidth	-	
	6	Direction/Separation	-	
	7	Transmit power / Power density	72 dBμA/m at 10 meters	
	8	Channel access and occupation rules	-	
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements (According to Article 3 Paragraph 3 of 2014/53/EU Directive)	-	
	11	Frequency planning assumptions	-	
Informative Part	12	Planned changes	-	
	13	Reference	EN 300 330; Implementing Decision (EU) 2017/1483 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 / Inductive devices	RO-IR 09-08	Edition 2 / 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Inductive devices	
	3	Frequency band	90 – 119 kHz	<i>Harmonised radio spectrum for use by short-range devices (Implementing Decision (EU) 2017/1483 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	Channelling (channel distribution)	-	
	5	Modulation / Occupied bandwidth	-	
	6	Direction/Separation	-	
	7	Transmit power / Power density	42 dBμA/m at 10 meters	
	8	Channel access and occupation rules	-	
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements (According to Article 3 Paragraph 3 of 2014/53/EU Directive)	-	
	11	Frequency planning assumptions	-	
Informative Part	12	Planned changes	-	
	13	Reference	EN 300 330; Implementing Decision (EU) 2017/1483 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 / Inductive devices	RO-IR 09-09	Edition 2 / 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Inductive devices	
	3	Frequency band	119 – 128.6 kHz	<i>Harmonised radio spectrum for use by short-range devices (Implementing Decision (EU) 2017/1483 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	Channelling (channel distribution)	-	
	5	Modulation / Occupied bandwidth	-	
	6	Direction/Separation	-	
	7	Transmit power / Power density	66 dBμA/m at 10 meters	
	8	Channel access and occupation rules	-	
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements (According to Article 3 Paragraph 3 of 2014/53/EU Directive)	-	
	11	Frequency planning assumptions	-	
Informative Part	12	Planned changes	-	
	13	Reference	EN 300 330; Implementing Decision (EU) 2017/1483 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 / Inductive devices	RO-IR 09-10	Edition 2 / 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Inductive devices	
	3	Frequency band	128.6 – 129.6 kHz	<i>Harmonised radio spectrum for use by short-range devices (Implementing Decision (EU) 2017/1483 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	Channelling (channel distribution)	-	
	5	Modulation / Occupied bandwidth	-	
	6	Direction/Separation	-	
	7	Transmit power / Power density	42 dBμA/m at 10 meters	
	8	Channel access and occupation rules	-	
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements (According to Article 3 Paragraph 3 of 2014/53/EU Directive)	-	
	11	Frequency planning assumptions	-	
Informative Part	12	Planned changes	-	
	13	Reference	EN 300 330; Implementing Decision (EU) 2017/1483 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 / Inductive devices	RO-IR 09-11	Edition 2 / 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Inductive devices	
	3	Frequency band	129.6 – 135 kHz	<i>Harmonised radio spectrum for use by short-range devices (Implementing Decision (EU) 2017/1483 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	Channelling (channel distribution)	-	
	5	Modulation / Occupied bandwidth	-	
	6	Direction/Separation	-	
	7	Transmit power / Power density	66 dBμA/m at 10 meters	
	8	Channel access and occupation rules	-	
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements (According to Article 3 Paragraph 3 of 2014/53/EU Directive)	-	
	11	Frequency planning assumptions	-	
Informative Part	12	Planned changes	-	
	13	Reference	EN 300 330; Implementing Decision (EU) 2017/1483 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 / Inductive devices	RO-IR 09-12	Edition 2 / 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Inductive devices	
	3	Frequency band	135 – 140 kHz	<i>Harmonised radio spectrum for use by short-range devices (Implementing Decision (EU) 2017/1483 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	Channelling (channel distribution)	-	
	5	Modulation / Occupied bandwidth	-	
	6	Direction/Separation	-	
	7	Transmit power / Power density	42 dBμA/m at 10 meters	
	8	Channel access and occupation rules	-	
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements (According to Article 3 Paragraph 3 of 2014/53/EU Directive)	-	
	11	Frequency planning assumptions	-	
Informative Part	12	Planned changes	-	
	13	Reference	EN 300 330; Implementing Decision (EU) 2017/1483 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 / Inductive devices	RO-IR 09-13	Edition 2/ 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Inductive devices	
	3	Frequency band	140 – 148.5 kHz	<i>Harmonised radio spectrum for use by short-range devices (Implementing Decision (EU) 2017/1483 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	Channelling (channel distribution)	-	
	5	Modulation / Occupied bandwidth	-	
	6	Direction/Separation	-	
	7	Transmit power / Power density	37.7 dBμA/m at 10 meters	
	8	Channel access and occupation rules	-	
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements (According to Article 3 Paragraph 3 of 2014/53/EU Directive)	-	
	11	Frequency planning assumptions	-	
Informative Part	12	Planned changes	-	
	13	Reference	EN 300 330; Implementing Decision (EU) 2017/1483 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 / Inductive devices	RO-IR 09-14	Edition 2/ 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Inductive devices	
	3	Frequency band	148.5 - 5 000 kHz	<i>Harmonised radio spectrum for use by short-range devices (Implementing Decision (EU) 2017/1483 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	Channelling (channel distribution)	-	
	5	Modulation / Occupied bandwidth	-	
	6	Direction/Separation	-	
	7	Transmit power / Power density	– 15 dBμA/m at 10 meters in any bandwidth of 10 kHz. Furthermore the total field strength is – 5 dBμA/m at 10 m for systems operating at bandwidths larger than 10 kHz.	<i>In 3155-3400 kHz frequency band higher field strength values and additional usage restrictions for inductive applications are used</i>
	8	Channel access and occupation rules	-	
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements (According to Article 3 Paragraph 3 of 2014/53/EU Directive)	-	
	11	Frequency planning assumptions	-	
Informative Part	12	Planned changes	-	
	13	Reference	EN 300 330; EN 302 536; Implementing Decision (EU) 2017/1483 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 / Inductive devices	RO-IR 09-15	Edition 2/ 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Inductive devices	
	3	Frequency band	3 155 - 3 400 kHz	<i>Harmonised radio spectrum for use by short-range devices (Implementing Decision (EU) 2017/1483 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	Channelling (channel distribution)	-	
	5	Modulation / Occupied bandwidth	-	
	6	Direction/Separation	-	
	7	Transmit power / Power density	13.5 dBμA/m at 10 meters	
	8	Channel access and occupation rules	-	
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements (According to Article 3 Paragraph 3 of 2014/53/EU Directive)	-	
	11	Frequency planning assumptions	-	
Informative Part	12	Planned changes	-	
	13	Reference	EN 300 330; Implementing Decision (EU) 2017/1483 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 / Inductive devices	RO-IR 09-16	Edition 2/ 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Inductive devices	
	3	Frequency band	5 000 - 30 000 kHz	<i>Harmonised radio spectrum for use by short-range devices (Implementing Decision (EU) 2017/1483 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	Channelling (channel distribution)	-	
	5	Modulation / Occupied bandwidth	-	
	6	Direction/Separation	-	
	7	Transmit power / Power density	- 20 dBμA/m at 10 meters in any bandwidth of 10 kHz. Furthermore the total field strength is - 5 dBμA/m at 10 m for systems operating at bandwidths larger than 10 kHz	<i>In 6 765-6 795 kHz, 7 400-8 800 kHz, 10 200-11 000 kHz and 13 553-13 567 kHz frequency bands higher field strength values and additional usage restrictions for inductive applications are used</i>
	8	Channel access and occupation rules	-	
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements (According to Article 3 Paragraph 3 of 2014/53/EU Directive)	-	
	11	Frequency planning assumptions	-	
Informative Part	12	Planned changes	-	
	13	Reference	EN 300 330; Implementing Decision (EU) 2017/1483 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 / Inductive devices	RO-IR 09-17	Edition 2/ 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Inductive devices	
	3	Frequency band	6 765 - 6 795 kHz	<i>Harmonised radio spectrum for use by short-range devices (Implementing Decision (EU) 2017/1483 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	Channelling (channel distribution)	-	
	5	Modulation / Occupied bandwidth	-	
	6	Direction/Separation	-	
	7	Transmit power / Power density	42 dBμA/m at 10 meters	
	8	Channel access and occupation rules	-	
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements (According to Article 3 Paragraph 3 of 2014/53/EU Directive)	-	
	11	Frequency planning assumptions	-	
Informative Part	12	Planned changes	-	
	13	Reference	EN 300 330; Implementing Decision (EU) 2017/1483 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 / Inductive devices	RO-IR 09-18	Edition 2/ 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Inductive devices	
	3	Frequency band	7 400 - 8 800 kHz	<i>Harmonised radio spectrum for use by short-range devices (Implementing Decision (EU) 2017/1483 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	Channelling (channel distribution)	-	
	5	Modulation / Occupied bandwidth	-	
	6	Direction/Separation	-	
	7	Transmit power / Power density	9 dBμA/m at 10 meters	
	8	Channel access and occupation rules	-	
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements (According to Article 3 Paragraph 3 of 2014/53/EU Directive)	-	
	11	Frequency planning assumptions	-	
Informative Part	12	Planned changes	-	
	13	Reference	EN 300 330; Implementing Decision (EU) 2017/1483 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 / Inductive devices	RO-IR 09-19	Edition 2/ 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Inductive devices	
	3	Frequency band	10 200 - 11 000 kHz	<i>Harmonised radio spectrum for use by short-range devices (Implementing Decision (EU) 2017/1483 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	Channelling (channel distribution)	-	
	5	Modulation / Occupied bandwidth	-	
	6	Direction/Separation	-	
	7	Transmit power / Power density	9 dBμA/m at 10 meters	
	8	Channel access and occupation rules	-	
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements (According to Article 3 Paragraph 3 of 2014/53/EU Directive)	-	
	11	Frequency planning assumptions	-	
Informative Part	12	Planned changes	-	
	13	Reference	EN 300 330; Implementing Decision (EU) 2017/1483 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 / Inductive devices	RO-IR 09-20	Edition 2/ 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Inductive devices	
	3	Frequency band	13 553 - 13 567 kHz	<i>Harmonised radio spectrum for use by short-range devices (Implementing Decision (EU) 2017/1483 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	Channelling (channel distribution)	-	
	5	Modulation / Occupied bandwidth	-	
	6	Direction/Separation	-	
	7	Transmit power / Power density	42 dBμA/m at 10 meters	
	8	Channel access and occupation rules	-	
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements (According to Article 3 Paragraph 3 of 2014/53/EU Directive)	-	
	11	Frequency planning assumptions	-	
Informative Part	12	Planned changes	-	
	13	Reference	EN 300 330; Implementing Decision (EU) 2017/1483 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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