



# RO-IR SRD-05

# TECHNICAL REGULATION

for the radio interface

concerning devices intended for radiodetermination applications

(previous coding RO-IR 06)

#### 1. Basic Considerations

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

This technical regulation contains the requirements for license-exempt use of radio spectrum by the devices intended for radiodetermination applications in the specified frequency bands and considers compliance, especially, with the provisions of Article 3 Paragraph 2 and Articles 6-8 of Directive 2014/53/EU.

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

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

All the Romanian technical regulations for the radio interfaces notified under Directive (EU) 2015/1535 shall be published and made available on National Authority for Management and Regulation in Communications (ANCOM) website at: https://www.ancom.ro/en/romanian-regulation\_2719.

### 2. Radio Interface Specifications

Devices intended for radiodetermination applications

Frequency band	Annex
2 400 – 2 483.5 MHz	RO-IR SRD-05-01
4 500 – 7 000 MHz	RO-IR SRD-05-02
6 000 – 8 500 MHz	RO-IR SRD-05-03
8 500 – 10 600 MHz	RO-IR SRD-05-04
9 200 – 9 500 MHz	RO-IR SRD-05-05
9 500 – 9 975 MHz	RO-IR SRD-05-06
10.5 – 10.6 GHz	RO-IR SRD-05-07
13.4 – 14 GHz	RO-IR SRD-05-08
17.1 – 17.3 GHz	RO-IR SRD-05-09
24.05 – 24.25 GHz	RO-IR SRD-05-10
24.05 – 26.5 GHz	RO-IR SRD-05-11
24.05 – 27 GHz	RO-IR SRD-05-12
57 – 64 GHz	RO-IR SRD-05-13a; RO-IR SRD- 05-13b
75 – 85 GHz	RO-IR SRD-05-14a; RO-IR SRD- 05-14b

For the purpose of this technical regulation, a proximity radio device (short-range device - SRD) means a radio device which provides either unidirectional or bidirectional communication and which

receives and/or transmits signals over a short distance and at a low power. Devices intended for radiodetermination applications belong to the short-range devices category, as well.

For the purpose of this technical regulation, *the radio determination device category* covers radio devices that are used for determining the position, velocity and/or other characteristics of an object, or for obtaining information relating to such parameters. The radio determination equipment usually performs measurements in order to obtain such characteristics. The radio determination devices exclude any type of point-to-point or point-to-multipoint radio communications.

For the purpose of this technical regulation, *mean equivalent isotropically radiated power (e.i.r.p.)* means e.i.r.p. averaged for the duration of one transmission burst corresponding for the power setting to the highest level, if the power regulation was implemented to the transmitter.

For the purpose of this technical regulation, *tank level probing radar (TLPR)* is a specific type of radio determination application which is used for level measurements of substances that are contained in tanks and is installed in metallic or reinforced concrete tanks or in similar structures with comparable attenuation characteristics. The tanks are used to store substances.

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

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

### 3. Document History:

Edition	Changes
Edition 1/2014	Notification number according to Directive 98/34/EC: 2014/602/RO.
Edition 2/2018	Update according to Commission Implementing Decision (EU) 2017/1483 amending Decision 2006/771/EC on harmonizing the radio spectrum for the use of short-range devices and repealing Decision 2006/804/EC: RO-IR 06-01 ÷ RO-IR 06-04, RO-IR 06-09, RO-IR 06-11 ÷ RO-IR 06-14b;
(06.08.2018)	Update of the legal framework according to Point 1 – "Basic considerations" and reference documents (line 13); Formal changes according to TCAM-RSC model of November 2017.
Edition 3/2020	Update according to Commission Implementing Decision (EU) 2019/1345 amending Decision 2006/771/EC in order to update the harmonised technical conditions for the use of radio spectrum for short-range devices:
(23.12.2020)	<ul> <li>Introduction/updating of definitions and terms.</li> </ul>
	Update of the legal framework according to Point 1 – "Basic considerations" and reference documents (line 13).
Edition 4/2022 (11.10.2022)	Update according to Commission Implementing Decision (EU) 2022/180 amending Decision 2006/771/EC as regards the update of harmonised technical conditions in the area of radio spectrum use for short-range devices:  • Update of the reference documents (line 13) and definitions Point 2
(11.10.2022)	<ul> <li>Update of the reference documents (line 13) and definitions Point</li> </ul>

ROMANIA	Radio Interface Specification	SRD / Devices Intended for Radiodetermination Applications	RO-IR SRD-05-01	Edition 4/2022
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	No	Parameter	Description	Comments
	1	Radiocommunication Service	Mobile	
	2	Application	Proximity radio device (short-range) / Devices intended for radiodetermination applications	
	3	Frequency band	2 400 – 2 483.5 MHz	Harmonised radio spectrum for use by short-range devices (Commission Implementing Decision (EU) 2022/180 amending Decision 2006/771/EC as regards the update of harmonised technical conditions in the area of radio spectrum use for short-range devices)
	4	Channelling (channel distribution)	-	
Normative Part	5	Modulation/Occupied bandwidth	-	
nativ	6	Direction/Separation	-	
Jorn	7	Transmit power / Power density	25 mW equivalent isotropic radiated power (e.i.r.p.)	
	8	Channel occupation and access rules	-	
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements (According to Article 3 Paragraph 3 of 2014/53/EU Directive)	-	
	11	Assumptions on spectrum planning	-	
+	12	Planned changes	-	
Informative Part	13	Reference	EN 300 440; Commission Implementing Decision (EU) 2022/180 amending Decision 2006/771/EC as regards the update of harmonised technical conditions in the area of radio spectrum use for short-range devices; ERC/REC 70-03	
lfor	14	Notification number	-	
	15	Remarks	-	

ROMANIA		Radio Interface Specification	SRD / Devices Intended for Radiodetermination Applications	RO-IR SRD-05-02	Edition 4/2022
	1				
	No	Parameter	Description	Comments	
	1	Radiocommunication Service	Mobile		
	2	Application	Proximity radio device (short-range) / Devices intended for radiodetermination applications	This set of usage conditions app probing radar (TLPR)	,
	3	Frequency band	4 500 – 7 000 MHz	Harmonised radio spectrum for (Commission Implementing Decision 2006/771/EC as regards technical conditions in the area of range devices)	on (EU) 2022/180 amendin the update of harmonise
	4	Channelling (channel distribution)	-		
	5	Modulation/Occupied bandwidth	-		
t	6	Direction/Separation	-		
Normative Part	7	Transmit power / Power density	24 dBm e.i.r.p.	The power limit applies inside of a closed tank and corresponds to a spectral density of – 41.3 dBm/MHz e.i.r.p. outside of a tank of 500 liters.	
Norm	8	Channel occupation and access rules	Requirements on techniques to access radio spectrum and mitigate interference apply	Techniques to access radio spectr are used, ensuring an adequate p essential requirements provided in relevant techniques are described in parts thereof) the references of who Official Journal of the Europe 2014/53/EU, a performance at performance of these techniques sl	erformance level to meet the Directive 2014/53/EU. If the the harmonized standards (and the have been published in the least equivalent to the
	9	Authorisation regime	Licence exemption		
	10	Additional essential requirements (According to Article 3 Paragraph 3 of 2014/53/EU Directive)	-		
	11	Assumptions on spectrum planning	-		
	12	Planned changes	-		
Informative Part	13	Reference	EN 302 372; Commission Implementing Decision (EU) 2022/180 amending Decision 2006/771/EC as regards the update of harmonised technical conditions in the area of radio spectrum use for short-range devices; ERC/REC 70-03		
	14	Notification number	-		

15 Remarks

radiode  3 Frequency band 6 000 -  4 Channelling (channel distribution) -  5 Modulation/Occupied bandwidth -  6 Direction/Separation -  7 Transmit power / Power density 7 dBm/s  8 Channel occupation and access rules Automa requirer	ption  ty radio device (short-range) / Devices intended for termination applications	Comments  This set of usage conditions applies radar (LPR).	a control to level matter
1 Radiocommunication Service Mobile 2 Application Proximiradiode  3 Frequency band 6 000 -  4 Channelling (channel distribution) - 5 Modulation/Occupied bandwidth - 6 Direction/Separation - 7 Transmit power / Power density 7 dBm/9  8 Channel occupation and access rules Automa requirer	ty radio device (short-range) / Devices intended for	This set of usage conditions applies	a avaluation to level much to
2 Application Proximi radiode  3 Frequency band 6 000 -  4 Channelling (channel distribution) -  5 Modulation/Occupied bandwidth -  6 Direction/Separation -  7 Transmit power / Power density 7 dBm/s  8 Channel occupation and access rules Automa requirer			a avaluation to lavel matter
radiode  3 Frequency band 6 000 -  4 Channelling (channel distribution) -  5 Modulation/Occupied bandwidth -  6 Direction/Separation -  7 Transmit power / Power density 7 dBm/s  8 Channel occupation and access rules Automa requirer			a avaluation to lavel models
4 Channelling (channel distribution) - 5 Modulation/Occupied bandwidth - 6 Direction/Separation - 7 Transmit power / Power density 7 dBm/9 8 Channel occupation and access rules Automa requirer		Keep off the established exclusion zo sites	, ,
5 Modulation/Occupied bandwidth - 6 Direction/Separation - 7 Transmit power / Power density 7 dBm/9 8 Channel occupation and access rules Automa requirer	(CC Dec		use by short-range devices on (EU) 2022/180 amending the update of harmonised radio spectrum use for short-
6 Direction/Separation - 7 Transmit power / Power density 7 dBm/9 8 Channel occupation and access rules Automa requirer			
7 Transmit power / Power density 7 dBm/9  8 Channel occupation and access rules Automa requirer			
8 Channel occupation and access rules Automa requirer			
requirer	50 MHz peak e.i.r.p. and - 33 dBm/MHz mean e.i.r.p.		
Normative Part	atic power control and antenna requirements, as well as ments on techniques to access radio spectrum and mitigate ence apply	Techniques to access radio spectru are used, ensuring an adequate pe essential requirements provided in relevant techniques are described in parts thereof) the references of which Official Journal of the Europea 2014/53/EU, a performance at performance of these techniques should be a performance of the performance of which have been published by the performance of the performance	erformance level to meet the Directive 2014/53/EU. If the the harmonized standards (or ch have been published in the least equivalent to the least equivalent to the least equivalent to the least equivalent performance requirements provisioned in If the relevant restrictions are dards (or parts thereof) the least in the Official Journal of the ence of these restrictions shall less an adequate performance requirements provisioned in If the relevant restrictions are dards (or parts thereof) the less an adequate performance requirements provisioned in If the relevant restrictions are dards (or parts thereof) the lished in the Official Journal of
9 Authorisation regime Licence		the European Union under Directive at least equivalent to these restriction	

	10	Additional essential requirements (According to Article 3 Paragraph 3 of 2014/53/EU Directive)	-	
	11	Assumptions on spectrum planning	-	
+	12	Planned changes	-	
Informative Par	13	Reference	EN 302 729; Commission Implementing Decision (EU) 2022/180 amending Decision 2006/771/EC as regards the update of harmonised technical conditions in the area of radio spectrum use for short-range devices; ERC/REC 70-03; ECC/DEC/(11)02	
	14	Notification number	-	
	15	Remarks	-	

ROMA	NIA	Radio Interface Specification	SRD / Devices Intended for Radiodetermination Applications	RO-IR SRD-05-04	Edition 4/2022
					1
	No	Parameter	Description	Comments	
			Mobile		
	2	Application	Proximity radio device (short-range) / Devices intended for radiodetermination applications	This set of usage conditions appli probing radar (TLPR)	
	3	Frequency band	8 500 – 10 600 MHz	Harmonised radio spectrum for to (Commission Implementing Decision Decision 2006/771/EC as regards technical conditions in the area of r range devices)	n (EU) 2022/180 amending the update of harmonised
	4	Channelling (channel distribution)	-		
	5	Modulation/Occupied bandwidth	-		
	6	Direction/Separation	-		
ve Part	7	Transmit power / Power density	30 dBm e.i.r.p.	The power limit applies inside of a closed tank and corres to a spectral density of – 41.3 dBm/MHz e.i.r.p. outside of tank of 500 liters	
Normative Part	8	Channel occupation and access rules	Requirements on techniques to access radio spectrum and mitigate interference apply	Techniques to access radio spectru are used, ensuring an adequate pe essential requirements provided in relevant techniques are described in parts thereof) the references of whic Official Journal of the Europea 2014/53/EU, a performance at performance of these techniques sh	programmer level to meet the Directive 2014/53/EU. If the the harmonized standards (or in have been published in the fan Union under Directive least equivalent to the
	9	Authorisation regime	Licence exemption		
	10	Additional essential requirements (According to Article 3 Paragraph 3 of 2014/53/EU Directive)	-		
	11	Assumptions on spectrum planning	-		
t	12	Planned changes	-		
Informative Part	13	Reference	EN 302 372; Commission Implementing Decision (EU) 2022/180 amending Decision 2006/771/EC as regards the update of harmonised technical conditions in the area of radio spectrum use for short-range devices; ERC/REC 70-03		
nfor	14	Notification number	-		
	15	Remarks	-		

ROMANIA		Radio Interface Specification	SRD / Devices Intended for Radiodetermination Applications	RO-IR SRD-05-05	Edition 4/2022
		I			
	No	Parameter	Description	Comments	
	1	Radiocommunication Service	Mobile		
	2	Application	Proximity radio device (short-range) / Devices intended for radiodetermination applications		
	3	Frequency band	9 200 – 9 500 MHz		
	4	Channelling (channel distribution)	-		
	5	Modulation/Occupied bandwidth	-		
e Part	6	Direction/Separation	-		
Normative Part	7	Transmit power / Power density	25 mW e.i.r.p.		
Ž	8	Channel occupation and access rules	-		
	9	Authorisation regime	Licence exemption		
	10	Additional essential requirements (According to Article 3 Paragraph 3 of 2014/53/EU Directive)	-		
	11	Assumptions on spectrum planning	-		
e e	12	Planned changes	-		
 nativ rt	13	Reference	EN 300 440; ERC/REC 70-03		
Informative Part	14	Notification number	2014/602/RO		
<u> </u>	15	Remarks	-		

ROMANIA		Radio Interface Specification	SRD / Devices Intended for Radiodetermination Applications	RO-IR SRD-05-06	Edition 4/2022
		I		I .	
	No	Parameter	Description	Comments	
	1	Radiocommunication Service	Mobile		
	2	Application	Proximity radio device (short-range) / Devices intended for radiodetermination applications		
	3	Frequency band	9 500 – 9 975 MHz		
	4	Channelling (channel distribution)	-		
	5	Modulation/Occupied bandwidth	-		
e Part	6	Direction/Separation	-		
Normative Part	7	Transmit power / Power density	25 mW e.i.r.p.		
Ž	8	Channel occupation and access rules	-		
	9	Authorisation regime	Licence exemption		
	10	Additional essential requirements (According to Article 3 Paragraph 3 of 2014/53/EU Directive)	-		
	11	Assumptions on spectrum planning	-		
e e	12	Planned changes	-		
 nativ rt	13	Reference	EN 300 440; ERC/REC 70-03		
Informative Part	14	Notification number	2014/602/RO		
	15	Remarks	-		

ROMANIA		Radio Interface Specification	SRD / Devices Intended for Radiodetermination Applications	RO-IR SRD-05-07	Edition 4/2022
	No	Parameter	Description	Comments	
	1	Radiocommunication Service	Mobile		
	2	Application	Proximity radio device (short-range) / Devices intended for radiodetermination applications		
	3	Frequency band	10.5 – 10.6 GHz		
	4	Channelling (channel distribution)	-		
	5	Modulation/Occupied bandwidth	-		
e Part	6	Direction/Separation	-		
Normative Part	7	Transmit power / Power density	500 mW e.i.r.p.		
Z	8	Channel occupation and access rules	-		
	9	Authorisation regime	Licence exemption		
	10	Additional essential requirements (According to Article 3 Paragraph 3 of 2014/53/EU Directive)	-		
	11	Assumptions on spectrum planning	-		
	12	Planned changes	-		
Informative Part	13	Reference	EN 300 440; ERC/REC 70-03		
nfor P	14	Notification number	2014/602/RO		
_	15	Remarks	-		
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ROMANIA		Radio Interface Specification	SRD / Devices Intended for Radiodetermination Applications	RO-IR SRD-05-08	Edition 4/2022
	1				
	No	Parameter	Description	Comments	
	1	Radiocommunication Service	Mobile		
	2	Application	Proximity radio device (short-range) / Devices intended for radiodetermination applications		
	3	Frequency band	13.4 – 14 GHz		
	4	Channelling (channel distribution)	-		
art	5	Modulation/Occupied bandwidth	-		
Normative Part	6	Direction/Separation	-		
ırmat	7	Transmit power / Power density	25 mW e.i.r.p.		
N	8	Channel occupation and access rules	-		
	9	Authorisation regime	Licence exemption		
	10	Additional essential requirements (According to Article 3 Paragraph 3 of 2014/53/EU Directive)	-		
	11	Assumptions on spectrum planning	-		
	12	Planned changes	-		
Informative Part	13	Reference	EN 300 440; ERC/REC 70-03		
orma Part	14	Notification number	2014/602/RO		
Info	15	Remarks	-		

ROMAN	AIN	Radio Interface Specification	SRD / Devices Intended for Radiodetermination Applications	RO-IR SRD-05-09	Edition 4/2022
		T			
	No	Parameter	Description	Comments	
	1	Radiocommunication Service	Mobile		
	2	Application	Proximity radio device (short-range) / Devices intended for radiodetermination applications	This set of usage conditions appli systems.	lies exclusively to terrestrial
	3	Frequency band	17.1 – 17.3 GHz	Harmonised radio spectrum for a (Commission Implementing Decision Decision 2006/771/EC as regards technical conditions in the area of a range devices)	n (EU) 2022/180 amending the update of harmonised
	4	Channelling (channel distribution)	-		
	5	Modulation/Occupied bandwidth	-		
t	6	Direction/Separation	-		
/e Pa	7	Transmit power / Power density	26 dBm e.i.r.p.		
Normative Part	8	Channel occupation and access rules	Requirements on techniques to access radio spectrum and mitigate interference apply	Techniques to access radio spectru are used, ensuring an adequate pe essential requirements provided in relevant techniques are described in parts thereof) the references of whic Official Journal of the Europe 2014/53/EU, a performance at performance of these techniques sh	prormance level to meet the Directive 2014/53/EU. If the the harmonized standards (or it have been published in the least equivalent to the
	9	Authorisation regime	Licence exemption		
	10	Additional essential requirements (According to Article 3 Paragraph 3 of 2014/53/EU Directive)	-		
	11	Assumptions on spectrum planning	-		
_	12	Planned changes	-		
Informative Part	13	Reference	EN 300 440; Commission Implementing Decision (EU) 2022/180 amending Decision 2006/771/EC as regards the update of harmonised technical conditions in the area of radio spectrum use for short-range devices; ERC/REC 70-03		
nfor	14	Notification number	-		
<del>-</del>	15	Remarks	-		
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ROMANIA		Radio Interface Specification	SRD / Devices Intended for Radiodetermination Applications	RO-IR SRD-05-10	Edition 4/2022
				T	
	No	Parameter	Description	Comments	
	1	Radiocommunication Service	Mobile		
	2	Application	Proximity radio device (short-range) / Devices intended for radiodetermination applications		
	3	Frequency band	24.05 – 24.25 GHz		
	4	Channelling (channel distribution)	-		
	5	Modulation/Occupied bandwidth	-		
Part	6	Direction/Separation	-		
Normative Part	7	Transmit power / Power density	100 mW e.i.r.p.		
N	8	Channel occupation and access rules	-		
	9	Authorisation regime	Licence exemption		
	10	Additional essential requirements (According to Article 3 Paragraph 3 of 2014/53/EU Directive)	-		
	11	Assumptions on spectrum planning	-		
- Ve	12	Planned changes	-		
nativ rt	13	Reference	EN 300 440; ERC/REC 70-03		
Informative Part	14	Notification number	2014/602/RO		
<u> </u>	15	Remarks	-		

ROMANIA		Radio Interface Specification	SRD / Devices Intended for Radiodetermination Applications	RO-IR SRD-05-11	Edition 4/2022
	No Parameter		Description	Comments	
	1	Radiocommunication Service	Mobile		
	2	Application	Proximity radio device (short-range) / Devices intended for radiodetermination applications	This set of usage conditions applied radar (LPR).  Keep off the established exclusion zero sites.	
	3	Frequency band	24.05 – 26.5 GHz	Harmonised radio spectrum for a (Commission Implementing Decision Decision 2006/771/EC as regards technical conditions in the area of a range devices)	n (EU) 2022/180 amending the update of harmonised
	4	Channelling (channel distribution)	-		
	5	Modulation/Occupied bandwidth	-		
	6	Direction/Separation	-		
ırt	7	Transmit power / Power density	26 dBm/50 MHz peak e.i.r.p. and – 14 dBm/MHz mean e.i.r.p.		
Normative Part	8	Channel occupation and access rules	Automatic power control and antenna requirements, as well as requirements on techniques to access radio spectrum and mitigate interference apply	Techniques to access radio spectruare used, ensuring an adequate peessential requirements provided in relevant techniques are described in parts thereof) the references of white Official Journal of the Europee 2014/53/EU, a performance at performance of these techniques shattenar requirements that provide level to comply with the essential Directive 2014/53/EU shall be used described in the harmonized standarterences of which have been publicate the ensured. Automatic power control that provide level to comply with the essential Directive 2014/53/EU shall be used. Automatic power control that provide level to comply with the essential Directive 2014/53/EU shall be used described in the harmonized standarterences of which have been publicate the European Union under Directive at least equivalent to these restrictions.	proformance level to meet the Directive 2014/53/EU. If the the harmonized standards (or ich have been published in the least equivalent to the least be ensured. If the relevant restrictions are lards (or parts thereof) the least in the Official Journal of least equivalent experience of these restrictions shall less an adequate performance requirements provisioned in less an adequate performance requirements provisioned in less an adequate performance in less (or parts thereof) the less that the Official Journal of less less that less an adequate performance less different less less an adequate performance less less less less less less less le

	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements (According to Article 3 Paragraph 3 of 2014/53/EU Directive)	-	
	11	Assumptions on spectrum planning		
+	12	Planned changes	-	
Informative Par	13	Reference	EN 302 729; Commission Implementing Decision (EU) 2022/180 amending Decision 2006/771/EC as regards the update of harmonised technical conditions in the area of radio spectrum use for short-range devices; ERC/REC 70-03; ECC/DEC/(11)02	
	14	Notification number	-	
	15	Remarks	-	

ROMA	NIA	Radio Interface Specification	SRD / Devices Intended for Radiodetermination Applications	RO-IR SRD-05-12	Edition 4/2022
	1	1			
	No	Parameter	Description	Comments	
	1	Radiocommunication Service	Mobile		
	2	Application	Proximity radio device (short-range) / Devices intended for radiodetermination applications	This set of usage conditions appli probing radar (TLPR)	ies exclusively to tank level
	3	Frequency band	24.05 – 27 GHz	Harmonised radio spectrum for a (Commission Implementing Decision Decision 2006/771/EC as regards technical conditions in the area of a range devices)	n (EU) 2022/180 amending the update of harmonised
	4	Channelling (channel distribution)	-		
	5	Modulation/Occupied bandwidth	-		
art	6	Direction/Separation	-		
Normative Part	7	Transmit power / Power density	43 dBm e.i.r.p.	The power limit applies inside of a to a spectral density of – 41.3 dBm, tank of 500 liters	
Norm	8	Channel occupation and access rules	Requirements on techniques to access radio spectrum and mitigate interference apply	Techniques to access radio spectru are used, ensuring an adequate pe essential requirements provided in relevant techniques are described in parts thereof) the references of white Official Journal of the Europea 2014/53/EU, a performance at performance of these techniques sh	programmer level to meet the Directive 2014/53/EU. If the the harmonized standards (or it have been published in the least equivalent to the
	9	Authorisation regime	Licence exemption		
	10	Additional essential requirements (According to Article 3 Paragraph 3 of 2014/53/EU Directive)	-		
	11	Assumptions on spectrum planning	-		
Informative Part	12	Planned changes	-		
	13	Reference	EN 302 372; Commission Implementing Decision (EU) 2022/180 amending Decision 2006/771/EC as regards the update of harmonised technical conditions in the area of radio spectrum use for short-range devices; ERC/REC 70-03		
forr	14	Notification number	-		
=	15	Remarks	-		

Remarks F1- RTIR Edition:1; Revision:1

No Parameter Description Comments  1 Radiocommunication Service Matalile 2 Application Productive radio device (short-range) / Devices intended for problems applications 3 Frequency band S7 – 64 GHz Hamonised radio spectrum for use by short-range device (Commission Implementing Decision (EU) 2021/180 amen. Decision 2004/71/EC as regards the update of harmonised radio spectrum use for short-range devices)  4 Channelling (channel distribution) - 5 Modulation/Occupied bandwidth - 6 Direction/Separation - 7 Transmit power / Power density 43 dBm e.i.r.p.  8 Channel occupation and access rules Requirements on techniques to access radio spectrum and militigate interfere are paphy interference apply  8 Channel occupation and access rules Interference apply  8 Authorisation regime Usence exemption  9 Authorisation regime Usence exemption  10 Additional essential requirements (According to Article 8 Paragraph 3 or 2014/53/EU) is performance of these techniques shall be ensured.  11 Assumptions on spectrum planning - 12 Planned changes - 13 Reference (EU) 2022/180 amen. Decision (EU)	ROMAI	NIA	Radio Interface Specification	SRD / Devices Intended for Radiodetermination Applications	RO-IR SRD-05-13a	Edition 4/2022
Radiocommunication Service   Mobile			1	1	T	
Proximity radio device (short-range) / Devices intended for radiodetermination applications  Frequency band  57 - 64 GHz  Frequency band  58 - 64 GHz  Frequency band  59 - 64 GHz  Frequency band  59 - 64 GHz  Frequency band  50 - 64 GHz  Frequency band  50 - 64 GHz  Frequency band  60 Direction/Separation  70 Transmit power / Power density  81 - 64 Direction/Separation  71 Transmit power / Power density  82 Channel occupation and access rules  83 Channel occupation and access rules  84 Channel occupation and access rules  85 Channel occupation and access rules  86 Channel occupation and access rules  87 Frequency band  Frequency  Frequency band  Frequency band  Frequency band  Frequency ba		No	Parameter	Description	Comments	
radiodetermination applications  probing radar (TLPR)  Frequency band  57 - 64 GHz  Frequency band  57 - 64 GHz  Harmonised radio spectrum for use by short-range device (Commission Implementing Decision (GLI) 2022/180 amend. Decision 2004/77/EC as regards the update of harmonitechnical conditions in the area of radio spectrum use for shirt range devices)  4		1	Radiocommunication Service			
Commission Implementing Decision (EU) 2022/180 amend Decision 2006/771/EC as regards the update of harmoni technical conditions in the area of radio spectrum use for shift range devices)  4		2	Application			ies exclusively to tank level
5 Modulation/Occupied bandwidth - 6 Direction/Separation - 7 Transmit power / Power density 43 dBm e.i.r.p.  8 Channel occupation and access rules interference apply  8 Channel occupation and access rules are used, ensuring an adequate performance level to meet essential requirements provided in Directive 2014/53/EU. If references of which have been published in Official Journal of the European Union under Direct 2014/53/EU. a performance of these techniques shall be ensured.  9 Authorisation regime 10 Additional essential requirements (According to Article 3 Paragraph 3 of 2014/53/EU. Directive) 11 Assumptions on spectrum planning - 12 Planned changes		3	Frequency band	57 – 64 GHz	(Commission Implementing Decision Decision 2006/771/EC as regards technical conditions in the area of i	on (EU) 2022/180 amending the update of harmonised
6 Direction/Separation - 7 Transmit power / Power density 43 dBm e.i.r.p.  8 Channel occupation and access rules 8 Channel occupation and access rules 9 Authorisation regime 10 Additional essential requirements (According to Article 3 Paragraph 3 of 2014/53/EU Directive) 11 Assumptions on spectrum planning 12 Planned changes  1 The power limit applies inside of a closed tank and correspon to a spectral density of – 41.3 dBm/MHz e.i.r.p. outside of a stank of 500 liters.  The power limit applies inside of a closed tank and correspon to a spectral density of – 41.3 dBm/MHz e.i.r.p. outside of a stank of 500 liters.  Techniques to access radio spectrum and mitigate interference are used, ensuring an adequate performance level to meet essential requirements provided in Directive 2014/53/EU. If relevant techniques are described in the harmonized standards parts thereof) the references of which have been published in Official Journal of the European Union under Directive 2014/53/EU, a performance at least equivalent to performance of these techniques shall be ensured.  9 Authorisation regime 10 Additional essential requirements (According to Article 3 Paragraph 3 of 2014/53/EU Directive) 11 Assumptions on spectrum planning 12 Planned changes		4	Channelling (channel distribution)	-		
interference apply  interf		5	Modulation/Occupied bandwidth	-		
interference apply  interf	art	6	Direction/Separation	-		
interference apply  are used, ensuring an adequate performance level to meet essential requirements provided in Directive 2014/53/EU. If relevant techniques are described in the harmonized standards parts thereof) the references of which have been published in Official Journal of the European Union under Direct 2014/53/EU, a performance at least equivalent to performance of these techniques shall be ensured.  9 Authorisation regime  10 Additional essential requirements (According to Article 3 Paragraph 3 of 2014/53/EU Directive)  11 Assumptions on spectrum planning  12 Planned changes  - Planned changes	mative P	7	Transmit power / Power density	43 dBm e.i.r.p.	to a spectral density of – 41.3 dBm.	
10 Additional essential requirements (According to Article 3 Paragraph 3 of 2014/53/EU Directive)  11 Assumptions on spectrum planning  12 Planned changes  -	Nor	8	Channel occupation and access rules		are used, ensuring an adequate persential requirements provided in relevant techniques are described in parts thereof) the references of white Official Journal of the Europe 2014/53/EU, a performance at	erformance level to meet the Directive 2014/53/EU. If the the harmonized standards (or ch have been published in the an Union under Directive least equivalent to the
(According to Article 3 Paragraph 3 of 2014/53/EU Directive)  11 Assumptions on spectrum planning  12 Planned changes		9	Authorisation regime	Licence exemption		
12 Planned changes -		10	(According to Article 3 Paragraph 3 of	-		
12   Planned changes   -		11	Assumptions on spectrum planning	-		
13 Reference EN 302 372; Commission Implementing Decision (EU) 2022/180 amending Decision 2006/771/EC as regards the update of harmonised technical conditions in the area of radio spectrum use for short-range devices; ERC/REC 70-03  14 Notification number -	+	12	Planned changes	-		
14 Notification number -	mative Part	13	Reference	amending Decision 2006/771/EC as regards the update of harmonised technical conditions in the area of radio spectrum use for short-range		
lacksquare	nfor	14	Notification number	-		
15 Remarks -	=	15	Remarks	-		

ROMANIA		Radio Interface Specification	SRD / Devices Intended for Radiodetermination Applications	RO-IR SRD-05-13b	Edition 4/2022
No. Dow		T		I	
	No	Parameter	Description	Comments	
	1	Radiocommunication Service	Mobile		
	2	Application	Proximity radio device (short-range) / Devices intended for radiodetermination applications	This set of usage conditions applied radar (LPR)	s exclusively to level probing
	3	Frequency band	57 – 64 GHz	Harmonised radio spectrum for a (Commission Implementing Decision Decision 2006/771/EC as regards technical conditions in the area of a range devices)	n (EU) 2022/180 amending the update of harmonised
	4	Channelling (channel distribution)	-		
	5	Modulation/Occupied bandwidth	-		
	6	Direction/Separation	-		
	7	Transmit power / Power density	35 dBm/50 MHz peak e.i.r.p. and - 2 dBm/MHz mean e.i.r.p.		
Normative Part	8	Channel occupation and access rules	Automatic power control and antenna requirements, as well as requirements on techniques to access radio spectrum and mitigate interference apply	Techniques to access radio spectrum used, ensuring an adequate perfiessential requirements provided in relevant techniques are described in parts thereof) the references of which Official Journal of the Europea 2014/53/EU, a performance at least of these techniques shall be ensured to comply with the essential requirements that provide a to comply with the essential requirement the harmonized standards (or passible the harmonized standards (or passible the harmonized standards).  Automatic power control that provide equivalent to the performance of ensured.  Automatic power control that provide elevel to comply with the essential Directive 2014/53/EU shall be used. described in the harmonized standards ferences of which have been published European Union under Directive at least equivalent to these restrictions.	ormance level to meet the Directive 2014/53/EU. If the the harmonized standards (or is have been published in the earn Union under Directive equivalent to the performance of the distribution of the European Union and equate performance of the standards of the European Union and equate performance at least of these restrictions shall be deep an adequate performance of the equirements provisioned in the equirements provisioned in the equirements provisioned in the equirements of the equirement of the equirements of the equ
	9	Authorisation regime	Licence exemption		_

	10	Additional essential requirements (According to Article 3 Paragraph 3 of 2014/53/EU Directive)	-	
	11	Assumptions on spectrum planning	-	
+	12	Planned changes	-	
nformative Par	13	Reference	EN 302 729; Commission Implementing Decision (EU) 2022/180 amending Decision 2006/771/EC as regards the update of harmonised technical conditions in the area of radio spectrum use for short-range devices; ERC/REC 70-03; ECC/DEC/(11)02	
	14	Notification number	-	
_	15	Remarks	-	

ROMANIA		Radio Interface Specification	SRD / Devices Intended for Radiodetermination Applications	RO-I R SRD-05-14a	Edition 4/2022
	T				
	No	Parameter	Description	Comments	
	1	Radiocommunication Service	Mobile		
	2	Application	Proximity radio device (short-range) / Devices intended for radiodetermination applications	This set of usage conditions appliprobing radar (TLPR)	
	3	Frequency band	75 – 85 GHz	Harmonised radio spectrum for (Commission Implementing Decision Decision 2006/771/EC as regards technical conditions in the area of range devices)	on (EU) 2022/180 amending the update of harmonised
	4	Channelling (channel distribution)	-		
	5	Modulation/Occupied bandwidth	-		
<b>+</b>	6	Direction/Separation			
ive Par	7	Transmit power / Power density	43 dBm e.i.r.p.	The power limit applies inside of a to a spectral density of – 41.3 dBm tank of 500 liters.	
Normative Part	8	Channel occupation and access rules	Requirements on techniques to access radio spectrum and mitigate interference apply	Techniques to access radio spectrons are used, ensuring an adequate possential requirements provided in relevant techniques are described in parts thereof) the references of white Official Journal of the Europe 2014/53/EU, a performance at performance of these techniques should be used.	erformance level to meet the Directive 2014/53/EU. If the the harmonized standards (or ch have been published in the an Union under Directive least equivalent to the
	9	Authorisation regime	Licence exemption		
	10	Additional essential requirements (According to Article 3 Paragraph 3 of 2014/53/EU Directive)	-		
	11	Assumptions on spectrum planning	-		
t	12	Planned changes	-		
Informative Part	13	Reference	EN 302 372; Commission Implementing Decision (EU) 2022/180 amending Decision 2006/771/EC as regards the update of harmonised technical conditions in the area of radio spectrum use for short-range devices; ERC/REC 70-03		
for	14	Notification number	-		
	15	Remarks	-		
L					

ROMANIA		Radio Interface Specification	SRD / Devices Intended for Radiodetermination Applications	RO-IR SRD-05-14b	Edition 4/2022
No. Do		1			•
	No	Parameter	Description	Comments	
	1	Radiocommunication Service	Mobile		
	2	Application	Proximity radio device (short-range) / Devices intended for radiodetermination applications	This set of usage conditions app radar (LPR). Keep off the established exclusion sites.	
	3	Frequency band	75 – 85 GHz	Harmonised radio spectrum for (Commission Implementing Deci Decision 2006/771/EC as regar technical conditions in the area or range devices)	ision (EÚ) 2022/180 amending ds the update of harmonised
	4	Channelling (channel distribution)	-		
	5	Modulation/Occupied bandwidth	-		
	6	Direction/Separation	-		
t	7	Transmit power / Power density	34 dBm/50 MHz peak e.i.r.p. and – 3 dBm/MHz mean e.i.r.p.		
Normative Part	8	Channel occupation and access rules	Automatic power control and antenna requirements, as well as requirements on techniques to access radio spectrum and mitigate interference apply	Techniques to access radio specare used, ensuring an adequate essential requirements provided relevant techniques are described parts thereof) the references of w. Official Journal of the Euro, 2014/53/EU, a performance performance of these techniques. Antenna requirements that provievel to comply with the essent. Directive 2014/53/EU shall be use described in the harmonized stareferences of which have been puthe European Union under Direct at least equivalent to the perform be ensured.  Automatic power control that provievel to comply with the essent. Directive 2014/53/EU shall be used described in the harmonized stareferences of which have been puthe European Union under Direct described in the harmonized stareferences of which have been puthe European Union under Direct at least equivalent to these restricts.	performance level to meet the in Directive 2014/53/EU. If the in the harmonized standards (or thich have been published in the bean Union under Directive at least equivalent to the shall be ensured.  Vide an adequate performance ital requirements provisioned in d. If the relevant restrictions are andards (or parts thereof) the viblished in the Official Journal of ive 2014/53/EU, a performance ital requirements provisioned in d. If the relevant restrictions shall vides an adequate performance ital requirements provisioned in d. If the relevant restrictions are andards (or parts thereof) the viblished in the Official Journal of ive 2014/53/EU, a performance

	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements (According to Article 3 Paragraph 3 of 2014/53/EU Directive)	-	
	11	Assumptions on spectrum planning	-	
	12	Planned changes	-	
nformative Par	13	Reference	EN 302 729; Commission Implementing Decision (EU) 2022/180 amending Decision 2006/771/EC as regards the update of harmonised technical conditions in the area of radio spectrum use for short-range devices; ERC/REC 70-03; ECC/DEC/(11)02	
	14	Notification number	-	
_	15	Remarks	-	