

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 (06.08.2018)	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; 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 (23.12.2020)	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: <ul style="list-style-type: none">• Introduction/updating of definitions and terms. 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: <ul style="list-style-type: none">• Update of the reference documents (line 13) and definitions Point 2.

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
Normative Part	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	<i>Harmonised radio spectrum for use by short-range devices (Commission Implementing Decision (EU) 2022/180 amending Decision 2006/771/EC as regards the update of harmonised technical conditions in the area of radio spectrum use for short-range devices)</i>
	4	Channelling (channel distribution)	-	
	5	Modulation/Occupied bandwidth	-	
	6	Direction/Separation	-	
	7	Transmit power / Power density	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	-	
Informative Part	12	Planned changes	-	
	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	
	14	Notification number	-	
	15	Remarks	-	

F1- RTIR Edition:1; Revision:1

ROMANIA	Radio Interface Specification	SRD / Devices Intended for Radiodetermination Applications	RO-IR SRD-05-02	Edition 4/2022
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	No	Parameter	Description	Comments
Normative Part	1	Radiocommunication Service	Mobile	
	2	Application	Proximity radio device (short-range) / Devices intended for radiodetermination applications	<i>This set of usage conditions applies exclusively to tank level probing radar (TLPR)</i>
	3	Frequency band	4 500 – 7 000 MHz	<i>Harmonised radio spectrum for use by short-range devices (Commission Implementing Decision (EU) 2022/180 amending Decision 2006/771/EC as regards the update of harmonised technical conditions in the area of radio spectrum use for short-range devices)</i>
	4	Channelling (channel distribution)	-	
	5	Modulation/Occupied bandwidth	-	
	6	Direction/Separation	-	
	7	Transmit power / Power density	24 dBm e.i.r.p.	<i>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 test tank of 500 liters.</i>
	8	Channel occupation and access rules	Requirements on techniques to access radio spectrum and mitigate interference apply	<i>Techniques to access radio spectrum and mitigate interference are used, ensuring an adequate performance level to meet the essential requirements provided in Directive 2014/53/EU. If the relevant techniques are described in the harmonized standards (or parts thereof) the references of which have been published in the Official Journal of the European Union under Directive 2014/53/EU, a performance at least equivalent to the performance of these techniques shall be ensured.</i>
	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	
	14	Notification number	-	
	15	Remarks	-	

F1- RTIR Edition:1; Revision:1

ROMANIA	Radio Interface Specification	SRD / Devices Intended for Radiodetermination Applications	RO-IR SRD-05-03	Edition 4/2022
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	No	Parameter	Description	Comments
Normative Part	1	Radiocommunication Service	Mobile	
	2	Application	Proximity radio device (short-range) / Devices intended for radiodetermination applications	<i>This set of usage conditions applies exclusively to level probing radar (LPR). Keep off the established exclusion zones around radio astronomy sites</i>
	3	Frequency band	6 000 – 8 500 MHz	<i>Harmonised radio spectrum for use by short-range devices (Commission Implementing Decision (EU) 2022/180 amending Decision 2006/771/EC as regards the update of harmonised technical conditions in the area of radio spectrum use for short-range devices)</i>
	4	Channelling (channel distribution)	-	
	5	Modulation/Occupied bandwidth	-	
	6	Direction/Separation	-	
	7	Transmit power / Power density	7 dBm/50 MHz peak e.i.r.p. and – 33 dBm/MHz mean e.i.r.p.	
	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	<i>Techniques to access radio spectrum and mitigate interference are used, ensuring an adequate performance level to meet the essential requirements provided in Directive 2014/53/EU. If the relevant techniques are described in the harmonized standards (or parts thereof) the references of which have been published in the Official Journal of the European Union under Directive 2014/53/EU, a performance at least equivalent to the performance of these techniques shall be ensured.</i> <i>Antenna requirements that provide an adequate performance level to comply with the essential requirements provisioned in Directive 2014/53/EU shall be used. If the relevant restrictions are described in the harmonized standards (or parts thereof) the references of which have been published in the Official Journal of the European Union under Directive 2014/53/EU, a performance at least equivalent to the performance of these restrictions shall be ensured.</i> <i>Automatic power control that provides an adequate performance level to comply with the essential requirements provisioned in Directive 2014/53/EU shall be used. If the relevant restrictions are described in the harmonized standards (or parts thereof) the references of which have been published in the Official Journal of the European Union under Directive 2014/53/EU, a performance at least equivalent to these restrictions shall be ensured.</i>
	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 302 729; 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	-	

F1- RTIR Edition:1; Revision:1

ROMANIA	Radio Interface Specification	SRD / Devices Intended for Radiodetermination Applications	RO-IR SRD-05-04	Edition 4/2022
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	No	Parameter	Description	Comments
Normative Part	1	Radiocommunication Service	Mobile	
	2	Application	Proximity radio device (short-range) / Devices intended for radiodetermination applications	<i>This set of usage conditions applies exclusively to tank level probing radar (TLPR)</i>
	3	Frequency band	8 500 – 10 600 MHz	<i>Harmonised radio spectrum for use by short-range devices (Commission Implementing Decision (EU) 2022/180 amending Decision 2006/771/EC as regards the update of harmonised technical conditions in the area of radio spectrum use for short-range devices)</i>
	4	Channelling (channel distribution)	-	
	5	Modulation/Occupied bandwidth	-	
	6	Direction/Separation	-	
	7	Transmit power / Power density	30 dBm e.i.r.p.	<i>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 test tank of 500 liters</i>
	8	Channel occupation and access rules	Requirements on techniques to access radio spectrum and mitigate interference apply	<i>Techniques to access radio spectrum and mitigate interference are used, ensuring an adequate performance level to meet the essential requirements provided in Directive 2014/53/EU. If the relevant techniques are described in the harmonized standards (or parts thereof) the references of which have been published in the Official Journal of the European Union under Directive 2014/53/EU, a performance at least equivalent to the performance of these techniques shall be ensured.</i>
	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	
	14	Notification number	-	
	15	Remarks	-	

F1- RTIR Edition:1; Revision:1

ROMANIA	Radio Interface Specification	SRD / Devices Intended for Radiodetermination Applications	RO-IR SRD-05-05	Edition 4/2022
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	No	Parameter	Description	Comments
Normative Part	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	-	
	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 2014/53/EU Directive)	-	
	11	Assumptions on spectrum planning	-	
Informative Part	12	Planned changes	-	
	13	Reference	EN 300 440; ERC/REC 70-03	
	14	Notification number	2014/602/RO	
	15	Remarks	-	

F1- RTIR Edition:1; Revision:1

ROMANIA	Radio Interface Specification	SRD / Devices Intended for Radiodetermination Applications	RO-IR SRD-05-06	Edition 4/2022
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	No	Parameter	Description	Comments
Normative Part	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	-	
	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 2014/53/EU Directive)	-	
	11	Assumptions on spectrum planning	-	
Informative Part	12	Planned changes	-	
	13	Reference	EN 300 440; ERC/REC 70-03	
	14	Notification number	2014/602/RO	
	15	Remarks	-	

F1- RTIR Edition:1; Revision:1

ROMANIA	Radio Interface Specification	SRD / Devices Intended for Radiodetermination Applications	RO-IR SRD-05-07	Edition 4/2022
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	No	Parameter	Description	Comments
Normative Part	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	-	
	6	Direction/Separation	-	
	7	Transmit power / Power density	500 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 2014/53/EU Directive)	-	
	11	Assumptions on spectrum planning	-	
Informative Part	12	Planned changes	-	
	13	Reference	EN 300 440; ERC/REC 70-03	
	14	Notification number	2014/602/RO	
	15	Remarks	-	

F1- RTIR Edition:1; Revision:1

ROMANIA	Radio Interface Specification	SRD / Devices Intended for Radiodetermination Applications	RO-IR SRD-05-08	Edition 4/2022
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	No	Parameter	Description	Comments
Normative Part	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)	-	
	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 2014/53/EU Directive)	-	
	11	Assumptions on spectrum planning	-	
Informative Part	12	Planned changes	-	
	13	Reference	EN 300 440; ERC/REC 70-03	
	14	Notification number	2014/602/RO	
	15	Remarks	-	

F1- RTIR Edition:1; Revision:1

ROMANIA	Radio Interface Specification	SRD / Devices Intended for Radiodetermination Applications	RO-IR SRD-05-09	Edition 4/2022
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	No	Parameter	Description	Comments
Normative Part	1	Radiocommunication Service	Mobile	
	2	Application	Proximity radio device (short-range) / Devices intended for radiodetermination applications	<i>This set of usage conditions applies exclusively to terrestrial systems.</i>
	3	Frequency band	17.1 – 17.3 GHz	<i>Harmonised radio spectrum for use by short-range devices (Commission Implementing Decision (EU) 2022/180 amending Decision 2006/771/EC as regards the update of harmonised technical conditions in the area of radio spectrum use for short-range devices)</i>
	4	Channelling (channel distribution)	-	
	5	Modulation/Occupied bandwidth	-	
	6	Direction/Separation	-	
	7	Transmit power / Power density	26 dBm e.i.r.p.	
	8	Channel occupation and access rules	Requirements on techniques to access radio spectrum and mitigate interference apply	<i>Techniques to access radio spectrum and mitigate interference are used, ensuring an adequate performance level to meet the essential requirements provided in Directive 2014/53/EU. If the relevant techniques are described in the harmonized standards (or parts thereof) the references of which have been published in the Official Journal of the European Union under Directive 2014/53/EU, a performance at least equivalent to the performance of these techniques shall be ensured.</i>
	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 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	
	14	Notification number	-	
	15	Remarks	-	

F1- RTIR Edition:1; Revision:1

ROMANIA	Radio Interface Specification	SRD / Devices Intended for Radiodetermination Applications	RO-IR SRD-05-10	Edition 4/2022
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	No	Parameter	Description	Comments
Normative Part	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	-	
	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 2014/53/EU Directive)	-	
	11	Assumptions on spectrum planning	-	
Informative Part	12	Planned changes	-	
	13	Reference	EN 300 440; ERC/REC 70-03	
	14	Notification number	2014/602/RO	
	15	Remarks	-	

F1- RTIR Edition:1; Revision:1

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

	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 302 729; 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	-	

F1- RTIR Edition:1; Revision:1

ROMANIA	Radio Interface Specification	SRD / Devices Intended for Radiodetermination Applications	RO-IR SRD-05-12	Edition 4/2022
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	No	Parameter	Description	Comments
Normative Part	1	Radiocommunication Service	Mobile	
	2	Application	Proximity radio device (short-range) / Devices intended for radiodetermination applications	<i>This set of usage conditions applies exclusively to tank level probing radar (TLPR)</i>
	3	Frequency band	24.05 – 27 GHz	<i>Harmonised radio spectrum for use by short-range devices (Commission Implementing Decision (EU) 2022/180 amending Decision 2006/771/EC as regards the update of harmonised technical conditions in the area of radio spectrum use for short-range devices)</i>
	4	Channelling (channel distribution)	-	
	5	Modulation/Occupied bandwidth	-	
	6	Direction/Separation	-	
	7	Transmit power / Power density	43 dBm e.i.r.p.	<i>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 test tank of 500 liters</i>
	8	Channel occupation and access rules	Requirements on techniques to access radio spectrum and mitigate interference apply	<i>Techniques to access radio spectrum and mitigate interference are used, ensuring an adequate performance level to meet the essential requirements provided in Directive 2014/53/EU. If the relevant techniques are described in the harmonized standards (or parts thereof) the references of which have been published in the Official Journal of the European Union under Directive 2014/53/EU, a performance at least equivalent to the performance of these techniques shall be ensured.</i>
	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	
	14	Notification number	-	
	15	Remarks	-	

F1- RTIR Edition:1; Revision:1

ROMANIA	Radio Interface Specification	SRD / Devices Intended for Radiodetermination Applications	RO-IR SRD-05-13a	Edition 4/2022
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	No	Parameter	Description	Comments
Normative Part	1	Radiocommunication Service	Mobile	
	2	Application	Proximity radio device (short-range) / Devices intended for radiodetermination applications	<i>This set of usage conditions applies exclusively to tank level probing radar (TLPR)</i>
	3	Frequency band	57 – 64 GHz	<i>Harmonised radio spectrum for use by short-range devices (Commission Implementing Decision (EU) 2022/180 amending Decision 2006/771/EC as regards the update of harmonised technical conditions in the area of radio spectrum use for short-range devices)</i>
	4	Channelling (channel distribution)	-	
	5	Modulation/Occupied bandwidth	-	
	6	Direction/Separation	-	
	7	Transmit power / Power density	43 dBm e.i.r.p.	<i>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 test tank of 500 liters.</i>
	8	Channel occupation and access rules	Requirements on techniques to access radio spectrum and mitigate interference apply	<i>Techniques to access radio spectrum and mitigate interference are used, ensuring an adequate performance level to meet the essential requirements provided in Directive 2014/53/EU. If the relevant techniques are described in the harmonized standards (or parts thereof) the references of which have been published in the Official Journal of the European Union under Directive 2014/53/EU, a performance at least equivalent to the performance of these techniques shall be ensured.</i>
	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	
	14	Notification number	-	
	15	Remarks	-	

F1- RTIR Edition:1; Revision:1

ROMANIA	Radio Interface Specification	SRD / Devices Intended for Radiodetermination Applications	RO-IR SRD-05-13b	Edition 4/2022
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	No	Parameter	Description	Comments
Normative Part	1	Radiocommunication Service	Mobile	
	2	Application	Proximity radio device (short-range) / Devices intended for radiodetermination applications	<i>This set of usage conditions applies exclusively to level probing radar (LPR)</i>
	3	Frequency band	57 – 64 GHz	<i>Harmonised radio spectrum for use by short-range devices (Commission Implementing Decision (EU) 2022/180 amending Decision 2006/771/EC as regards the update of harmonised technical conditions in the area of radio spectrum use for short-range devices)</i>
	4	Channelling (channel distribution)	-	
	5	Modulation/Occupied bandwidth	-	
	6	Direction/Separation	-	
	7	Transmit power / Power density	35 dBm/50 MHz peak e.i.r.p. and – 2 dBm/MHz mean e.i.r.p.	
	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	<p><i>Techniques to access radio spectrum and mitigate interference are used, ensuring an adequate performance level to meet the essential requirements provided in Directive 2014/53/EU. If the relevant techniques are described in the harmonized standards (or parts thereof) the references of which have been published in the Official Journal of the European Union under Directive 2014/53/EU, a performance at least equivalent to the performance of these techniques shall be ensured.</i></p> <p><i>Antenna requirements that provide an adequate performance level to comply with the essential requirements provisioned in Directive 2014/53/EU shall be used. If the relevant restrictions are described in the harmonized standards (or parts thereof) the references of which have been published in the Official Journal of the European Union under Directive 2014/53/EU, a performance at least equivalent to the performance of these restrictions shall be ensured.</i></p> <p><i>Automatic power control that provide an adequate performance level to comply with the essential requirements provisioned in Directive 2014/53/EU shall be used. If the relevant restrictions are described in the harmonized standards (or parts thereof) the references of which have been published in the Official Journal of the European Union under Directive 2014/53/EU, a performance at least equivalent to these restrictions shall be ensured.</i></p>
	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 302 729; 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	-	

F1- RTIR Edition:1; Revision:1

ROMANIA	Radio Interface Specification	SRD / Devices Intended for Radiodetermination Applications	RO-IR SRD-05-14a	Edition 4/2022
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	No	Parameter	Description	Comments
Normative Part	1	Radiocommunication Service	Mobile	
	2	Application	Proximity radio device (short-range) / Devices intended for radiodetermination applications	<i>This set of usage conditions applies exclusively to tank level probing radar (TLPR)</i>
	3	Frequency band	75 – 85 GHz	<i>Harmonised radio spectrum for use by short-range devices (Commission Implementing Decision (EU) 2022/180 amending Decision 2006/771/EC as regards the update of harmonised technical conditions in the area of radio spectrum use for short-range devices)</i>
	4	Channelling (channel distribution)	-	
	5	Modulation/Occupied bandwidth	-	
	6	Direction/Separation	-	
	7	Transmit power / Power density	43 dBm e.i.r.p.	<i>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 test tank of 500 liters.</i>
	8	Channel occupation and access rules	Requirements on techniques to access radio spectrum and mitigate interference apply	<i>Techniques to access radio spectrum and mitigate interference are used, ensuring an adequate performance level to meet the essential requirements provided in Directive 2014/53/EU. If the relevant techniques are described in the harmonized standards (or parts thereof) the references of which have been published in the Official Journal of the European Union under Directive 2014/53/EU, a performance at least equivalent to the performance of these techniques shall be ensured.</i>
	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	
	14	Notification number	-	
	15	Remarks	-	

F1- RTIR Edition:1; Revision:1

ROMANIA	Radio Interface Specification	SRD / Devices Intended for Radiodetermination Applications	RO-IR SRD-05-14b	Edition 4/2022
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	No	Parameter	Description	Comments
Normative Part	1	Radiocommunication Service	Mobile	
	2	Application	Proximity radio device (short-range) / Devices intended for radiodetermination applications	<i>This set of usage conditions applies exclusively to level probing radar (LPR). Keep off the established exclusion zones around radio astronomy sites.</i>
	3	Frequency band	75 – 85 GHz	<i>Harmonised radio spectrum for use by short-range devices (Commission Implementing Decision (EU) 2022/180 amending Decision 2006/771/EC as regards the update of harmonised technical conditions in the area of radio spectrum use for short-range devices)</i>
	4	Channelling (channel distribution)	-	
	5	Modulation/Occupied bandwidth	-	
	6	Direction/Separation	-	
	7	Transmit power / Power density	34 dBm/50 MHz peak e.i.r.p. and – 3 dBm/MHz mean e.i.r.p.	
	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	<i>Techniques to access radio spectrum and mitigate interference are used, ensuring an adequate performance level to meet the essential requirements provided in Directive 2014/53/EU. If the relevant techniques are described in the harmonized standards (or parts thereof) the references of which have been published in the Official Journal of the European Union under Directive 2014/53/EU, a performance at least equivalent to the performance of these techniques shall be ensured.</i> <i>Antenna requirements that provide an adequate performance level to comply with the essential requirements provisioned in Directive 2014/53/EU shall be used. If the relevant restrictions are described in the harmonized standards (or parts thereof) the references of which have been published in the Official Journal of the European Union under Directive 2014/53/EU, a performance at least equivalent to the performance of these restrictions shall be ensured.</i> <i>Automatic power control that provides an adequate performance level to comply with the essential requirements provisioned in Directive 2014/53/EU shall be used. If the relevant restrictions are described in the harmonized standards (or parts thereof) the references of which have been published in the Official Journal of the European Union under Directive 2014/53/EU, a performance at least equivalent to these restrictions shall be ensured.</i>

	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 302 729; 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	-	

F1- RTIR Edition:1; Revision:1