



Draft

SSB LA-NOE 044

Interface specification for Short-range radio equipment for uses not specified in detail in the 24 GHz range

Edition: April 2025

Notification number under Directive (EU) 2015/1535:
xxxx/xxxx/DE

Notified pursuant to 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 (OJ L 241 of 17.9.2015, p. 1).

This interface specification has 4 pages.

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1 Overview

Directive 2014/53/EU of the European Parliament and of the Council of 16 April 2014 (OJ L 153/62) 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 transposed in the Federal Republic of Germany by the Act on the making available of radio equipment on the market (Radio Equipment Act (Funkanlagengesetz – FuAG) of 27 June 2017 (Federal Law Gazette (BGBI.) I No 42, p. 1947), last amended by Article 1 of the Act of 14 May 2024 (BGBI. I No. 148).

Pursuant to § 33(1) FuAG, the Federal Network Agency shall provide specific and appropriate specifications of the radio interfaces as regards radio equipment operated in frequency bands for which the conditions of use are not harmonised throughout the Community.

This interface specification (SSB) contains information necessary to enable the manufacturer to carry out the relevant tests in relation to the essential requirements applicable to the relevant radio equipment in accordance with the provisions of FuAG § 4(2) and, where applicable, § 4(3).

Furthermore, radio equipment must be designed in such a way that other basic requirements under § 4(1)(1) and (2) FuAG are observed.

For the commissioning and operation of radio equipment, the provisions concerning frequency allocation, in particular those contained in Part 6 of the Telecommunications Act (TKG) of 23 June 2021 (BGBI. I No 35, p. 1858), last amended on 14 May 2024 by Article 35 of the Act of 6 May 2024 (BGBI. I No 149), remain unaffected.

The Ordinance on the means of providing proof as regards limiting exposure to electromagnetic fields (BEMFV) of 20 August 2002 (BGBI. I No 60, p. 3366), last amended on 4 July 2017 by Article 3(3) of the Act of 27 June 2017 (BGBI. I No 42, p. 1947), must be complied with.

The Federal Network Agency shall order the enactment of the interface specification in its Official Gazette and publish its reference therein; only the German edition is binding.

2 Single Market clause

Goods lawfully marketed in another Member State of the European Union or in Türkiye, or originating and lawfully marketed in an EFTA State that is a contracting party to the Agreement on the European Economic Area, are deemed to be compatible with this measure. The application of [this measure] is subject to Regulation (EU) 2019/515 of 19 March 2019 on the mutual recognition of goods lawfully marketed in another Member State from 19 April 2020.

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3 Scope of application

This interface specification describes the fundamental requirements relating to § 4(2) of the FuAG for short-range radio equipment for uses not specified in detail in the 24 GHz range. This includes all applications that meet the technical conditions (usually remote measurement, remote control, alarm systems, general data transmission and other similar applications).

Radio equipment within the meaning of this interface specification is to be used for its intended purpose and operated in accordance with the manufacturer's instructions. Directive 2014/53/EU requires manufacturers to provide radio equipment users with appropriate information to enable them to operate the radio equipment as intended and in accordance with the provisions of said Directive. This information shall also include appropriate instructions on cabling and antenna types to be used in conjunction with the radio equipment.

This interface specification replaces SSB LA-NOE 021, April 2013 edition, notified under No 2013/0364/D.

4 Documents

The following cited documents are necessary for the application of this document. For dated references, only the referenced edition of the document shall apply. For undated references, the most recent edition of the referenced document (including any amendments) shall apply.

Presumption of conformity may be based solely on versions of harmonised European standards that are included in the current list of harmonised standards within the framework of Directive 2014/53/EU and have been published by the European Commission in the Official Journal of the EU.

- Frequency plan in accordance with the Telecommunications Act (TKG) on the distribution of the frequency band from 0 kHz to 3000 GHz among spectrum usages and on the definitions for such use published by the Federal Network Agency
- Decree 133/2019, as amended by Decree 12/2020 General allocation of frequencies for use by short-range devices (SRD), Official Journal of the Federal Network Agency No 24 of 18 December 2019, Official Journal of the Federal Network Agency No 2 of 5 February 2020
- Radio Regulations¹ (VO Funk), International Telecommunication Union (ITU), Geneva (Règlement des radiocommunications, Union internationale des télécommunications (UIT), Geneva)
- CEPT/ERC/REC 70-03
Relating to the use of Short Range Devices (SRD)
- EN 300 440
Short Range Devices (SRD); Radio equipment to be used in the 1 GHz to 40 GHz frequency range; **Harmonised Standard** covering the essential requirements of article 3.2 of Directive 2014/53/EU

¹ The Radio Regulations are available in Arabic, Chinese, English, French, Russian and Spanish. In all cases of dispute or doubt, the French text shall prevail.

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5 Technical interface requirements

This interface specification includes the technical interface requirements for short-range radio equipment for uses not specified in detail in the frequency range 24.00 GHz – 24.15 GHz:

Table 1: Short-range radio equipment for uses not specified in detail 24.00 GHz – 24.15 GHz

| | No. | Parameter (<i>Parameter</i>) | Description (<i>Description</i>) | Comments (<i>Comments</i>) |
|------------------|-----|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|---------------------------------|
| Normative part | 1 | Radio services (<i>Radiocommunication Service</i>) | | |
| | 2 | Application (<i>Application</i>) | Short-range devices (SRD) | |
| | 3 | Frequency band (<i>Frequency band</i>) | 24.00 GHz – 24.15 GHz | |
| | 4 | Occupancy of frequency channels (<i>Channelling</i>) | | |
| | 5 | Modulation/occupied bandwidth (<i>Modulation/Occupied bandwidth</i>) | | |
| | 6 | Direction/separation (<i>Direction/Separation</i>) | | |
| | 7 | Transmit power/power density (<i>Transmit power/Power density</i>) | 100 mW (EIRP) | |
| | 8 | Channel access and occupation rules (<i>Channel access and occupation rules</i>) | | |
| | 9 | Authorisation procedure (<i>Authorisation regime</i>) | General allocation | |
| | 10 | Additional essential requirements (<i>Additional essential requirements</i>) | | |
| | 11 | Frequency planning assumptions (<i>Frequency planning assumptions</i>) | | |
| Informative part | 12 | Planned changes (<i>Planned changes</i>) | | |
| | 13 | References (<i>References</i>) | EN 300 440, ERC/REC 70-03 | |
| | 14 | Notification number (<i>Notification number</i>) | | |
| | 15 | Notes (<i>Remarks</i>) | For the frequency band 24.15 GHz – 24.25 GHz, the European Interface Description Class 1 Subclass 27 shall apply. | |