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SSB SF 008

Interface specification for commercially available amateur radio equipment in the frequency band up to 275 GHz (terrestrial)

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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, 17/9/2015, p. 1).

This interface specification contains 32
pages.

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1. General

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 provision of radio equipment on the market (Radio Equipment Act (Funkanlagen-gesetz – FuAG) of 27 June 2017 (Federal Law Gazette [Federal Law Gazette I No 42, p. 1947), last amended by Article 52 of the Act of 23 June 2021 (Federal Law Gazette I No 35, p. 1858).

Pursuant to Section 33(1) FuAG, the Federal Network Agency (BNetzA) 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 (ISS) contains the information necessary for the manufacturer to perform the respective tests with regard to the fundamental requirements applicable to the respective radio equipment pursuant to Section 4, Paragraph 2, and, where applicable, Paragraph 3 of the Radio Equipment Act (FuAG), at their own discretion.

Radio equipment must also be designed to comply with further fundamental requirements pursuant to Section 4, Paragraph 1, Clauses 1 and 2, of the Radio Equipment Act (FuAG).

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 (Federal Law Gazette I No 35, p. 1858), last amended on 16 January 2026 by Article 12 of the Act of 09 January 2026 (Federal Law Gazette 2026 I No 7), remains unaffected.

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

The conditions necessary for the operation of the amateur radio equipment pursuant to the Amateur Radio Act (Amateurfunkgesetz - AFuG)¹ and Amateur Radio Ordinance (Amateurfunkverordnung - AfuV)¹ must be observed.

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. Internal Market Clause

Goods lawfully placed on the market in another Member State of the European Union or in Turkey, or originating in an EFTA State that is a party to the Agreement on the European Economic Area and lawfully placed on the market there, are deemed to comply 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 placed on the market in another Member State from 19 April 2020.

¹ For edition, see point 4 'Documents'

3. Scope of application

This interface specification describes the basic requirements for commercially available amateur radio equipment in the frequency band up to 275 GHz (terrestrial) with regard to Section 4, Paragraph 2 of the German Amateur Radio Act (FuAG).

Radio equipment as defined by this ISS is to be used for its intended purpose and operated pursuant to the manufacturer's instructions. Directive 2014/53/EU requires manufacturers to provide users of radio equipment with adequate information so that they can operate the radio equipment as intended and in compliance with the provisions of the Directive. This includes appropriate instructions on the cabling and antenna types to be used in conjunction with the radio equipment.

This interface specification replaces SSB SF 006, April 2018 edition, notified under No 2018/0313/D.

4. Documents

The following referenced documents are necessary for the application of this document. For dated references, only the referenced edition applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

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 pursuant to the Telecommunications Act (TKG) on the allocation of the frequency band from 0 kHz to 3000 GHz to frequency uses and on the specifications for these frequency uses
Published by the Federal Network Agency.
- Amateur Radio Act of 23 June 1997 (Federal Law Gazette I p. 1494), as last amended on 1 December 2021 by Article 53 of the Act of 23 June 2021 (Federal Law Gazette I p. 1858)
- Amateur Radio Ordinance of 15 February 2005 (Federal Law Gazette I p. 242), as last amended on 24 June 2024 by Article 1 of the Ordinance of 27 May 2024 (Federal Law Gazette 2024 I No 175)
- Ordinance No 33/2007: Amateur radio; guidance levels for unwanted transmissions pursuant to Section 16, Paragraph 4, Sentence 2, of the Amateur Radio Ordinance
Official Gazette of the Federal Network Agency No. 13 of 4 July 2007
- Radio Regulations² (VO Funk),
International Telecommunications Union (ITU), Geneva
(Règlement des radiocommunications, Union internationale des télécommunications (UIT), Genève)
- EN 301 783, Commercially available amateur radio equipment; **Harmonised Standard** covering the essential requirements of Article 3.2 of the Directive 2014/53/EU

² 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.

The following drafts were not yet published in the Official Journal of the EU at the time of notification, and therefore cannot be used for the declaration of conformity:

- EN 301 489-1, ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements; Harmonised Standard covering the essential requirements of Article 3.1(b) of Directive 2014/53/EU and the essential requirements of Article 6 of Directive 2014/30/EU
- EN 301 489-15, ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 15: Specific conditions for commercially available amateur radio equipment; Harmonised Standard covering the essential requirements of Article 3.1(b) of Directive 2014/53/EU

Further information on regulations affecting the amateur radio service can be found at www.bundesnetzagentur.de/amateurfunk.

4. Technical Interface Requirements

This interface specification contains the technical interface requirements for amateur radio equipment in the following frequency bands:

Table 1: 135.7 – 137.8 kHz

Table 2: 472 – 479 kHz

Table 3: 1 810 – 1 850 kHz

Table 4: 1 850 – 1 890 kHz

Table 5: 1 890 – 2 000 kHz

Table 6: 3 500 – 3 800 kHz

Table 7: 5 351.5 – 5 366.5 kHz

Table 8: 7 000 – 7 200 kHz, 14 000 – 14 350 kHz, 18 068 – 18 168 kHz, 24 890 – 24 990 kHz

Table 9: 10 100 – 10 150 kHz

Table 10: 21 000 – 21 450 kHz

Table 11: 28.0 – 29.7 MHz

Table 12: 50.0 – 50.4 MHz

Table 13: 50.4 – 52.0 MHz

Table 14: 144 – 146 MHz

Table 15: 430 – 440 MHz

Table 16: 1 240 – 1 250 MHz, 1 250 – 1 260 MHz, 1 260 – 1 300 MHz

Table 17: 2 320 – 2 400 MHz, 2 400 – 2 450 MHz, 3 400 – 3 475 MHz, 5 650 – 5 670 MHz

Table 18: 5 670 – 5 725 MHz, 5 725 – 5 755 MHz, 5 755 – 5 830 MHz, 5 830 – 5 850 MHz

Table 19: 10.0 – 10.4 GHz, 10.40 – 10.45 GHz, 10.45 – 10.50 MHz

Table 20: 24.00 – 24.05 GHz

Table 21: 24.05 – 24.25 GHz

Table 22: 47.0 – 47.2 GHz, 248 – 250 GHz

Table 23: 76.0 – 77.5 GHz, 77.5 – 78.0 GHz, 78.0 – 79.0 GHz, 79.0 – 81.0 GHz

Table 24: 122.25 – 123.00 GHz

Table 25: 134 – 136 GHz

Table 26: 136 – 141 GHz

Table 27: 241 – 248 GHz

This applies to all bands:

- The professional competence for granting an authorisation to participate in the amateur radio (amateur radio licence) must be demonstrated by passing an examination to obtain an amateur radio examination certificate or by presenting such an examination certificate or by means of the recognition of a foreign amateur radio examination certificate or -authorisation.
- The occupied bandwidth of a transmission shall be limited to the extent necessary for the type of transmission used, in accordance with state-of-the-art technology.
- Point 9 'Authorisation regime' of the tables governs the type of frequency allocation by the Federal Network Agency pursuant to Section 91 of the Telecommunications Act (TKG). Pursuant to Section 3, Paragraph 5, of the Amateur Radio Act (AFuG), the frequencies specified in the frequency plan for the amateur radio communication service are deemed to have been allocated to a radio amateur resident in Germany if one or more radio call signs have been allocated to them.

Table 1: 135.7 - 137.8 kHz

	No	Parameter	Beschreibung (Description)	Bemerkung (Comments)
Normative part	1	Funkdienst (Radiocommunication service)	Amateur service	
	2	Verwendungszweck/Anwendung (Application)	Amateur radio	
	3	Frequenzbereich (Frequency band)	135.7 – 137.8 kHz	Remark 1
	4	Kanalbelegung (Channelling)		
	5	Modulation/belegte Bandbreite (Modulation/Occupied bandwidth)	max. 800 Hz	
	6	Richtung/Abstand (Direction/Separation)		
	7	Sendeleistung/Leistungsdichte (Transmit power/power density)	Class A: max. 1 W ERP	
	8	Kanalzugangs- und Belegungs- vorschriften (Channel access and occupation rules)		
	9	Genehmigungsverfahren (Authorisation regime)	Individual allocation	
	10	Wesentliche Zusatzanforderungen (Additional essential requirements)		
	11	Frequenzplanungsannahmen (Frequency planning assumptions)		
Informative part	12	Vorgesehene Änderungen (Planned changes)		
	13	Referenzen (References)	EN 301 489-1, EN 301 489-15, EN 301 783	
	14	Notifizierungsnummer (Notification number)		
	15	Anmerkungen (Remarks)		

Remark 1: The operating locations must be notified to the Federal Network Agency in written or electronically. The transmitting antenna must be adequately isolated from other installations. If interference with primary radio services is also caused in adjacent frequency bands, operations must be discontinued.
The operation of remotely operated amateur radio stations, with the exception of amateur radio stations in remote operation, is not permitted. Amateur radio contests may not be conducted in this frequency band.

Table 2: 472 - 479 kHz

	No	Parameter	Beschreibung (Description)	Bemerkung (Comments)
Normative part	1	Funkdienst (Radiocommunication service)	Amateur service	
	2	Verwendungszweck/Anwendung (Application)	Amateur radio	
	3	Frequenzbereich (Frequency band)	472 – 479 kHz	
	4	Kanalbelegung (Channelling)		
	5	Modulation/belegte Bandbreite (Modulation/Occupied bandwidth)	max. 800 Hz	
	6	Richtung/Abstand (Direction/Separation)		
	7	Sendeleistung/Leistungsdichte (Transmit power/power density)	Class A: max. 1 W ERP	
	8	Kanalzugangs- und Belegungs- vorschriften (Channel access and occupation rules)		
	9	Genehmigungsverfahren (Authorisation regime)	Individual allocation	
	10	Wesentliche Zusatzanforderungen (Additional essential requirements)	Unwanted transmissions must be limited pursuant to Regulation 33/2007	
	11	Frequenzplanungsannahmen (Frequency planning assumptions)		
Informative part	12	Vorgesehene Änderungen (Planned changes)		
	13	Referenzen (References)	EN 301 489-1, EN 301 489-15, EN 301 783 Order No 33/2007	
	14	Notifizierungsnummer (Notification number)		
	15	Anmerkungen (Remarks)		

Table 3: 1 810 – 1 850 kHz

	No	Parameter	Beschreibung (Description)	Bemerkung (Comments)
Normative part	1	Funkdienst (Radiocommunication service)	AMATEUR SERVICE	
	2	Verwendungszweck/Anwendung (Application)	Amateur radio	
	3	Frequenzbereich (Frequency band)	1 810 – 1 850 kHz	
	4	Kanalbelegung (Channelling)		
	5	Modulation/belegte Bandbreite (Modulation/Occupied bandwidth)	max. 2.7 kHz	
	6	Richtung/Abstand (Direction/Separation)		
	7	Sendeleistung/Leistungsdichte (Transmit power/power density)	Class A: max. 750 W PEP Class E: max. 100 W PEP	
	8	Kanalzugangs- und Belegungs- vorschriften (Channel access and occupation rules)		
	9	Genehmigungsverfahren (Authorisation regime)	Individual allocation	
	10	Wesentliche Zusatzanforderungen (Additional essential requirements)	Unwanted transmissions must be limited pursuant to Regulation 33/2007	
	11	Frequenzplanungsannahmen (Frequency planning assumptions)		
Informative part	12	Vorgesehene Änderungen (Planned changes)		
	13	Referenzen (References)	EN 301 489-1, EN 301 489-15, EN 301 783 Order No 33/2007	
	14	Notifizierungsnummer (Notification number)		
	15	Anmerkungen (Remarks)		

Table 4: 1 850 – 1 890 kHz

	No	Parameter	Beschreibung (Description)	Bemerkung (Comments)
Normative part	1	Funkdienst (Radiocommunication service)	Amateur service	
	2	Verwendungszweck/Anwendung (Application)	Amateur radio	
	3	Frequenzbereich (Frequency band)	1 850 – 1 890 kHz	Remark 1
	4	Kanalbelegung (Channelling)		
	5	Modulation/belegte Bandbreite (Modulation/Occupied bandwidth)	max. 2.7 kHz	
	6	Richtung/Abstand (Direction/Separation)		
	7	Sendeleistung/Leistungsdichte (Transmit power/power density)	Class A: max. 75 W PEP, Class E: max. 75 W PEP, for automatic amateur radio stations: max. 50 W ERP	Remark 2
	8	Kanalzugangs- und Belegungs- vorschriften (Channel access and occupation rules)		
	9	Genehmigungsverfahren (Authorisation regime)	Individual allocation	
	10	Wesentliche Zusatzanforderungen (Additional essential requirements)	Unwanted transmissions must be limited pursuant to Regulation 33/2007	
	11	Frequenzplanungsannahmen (Frequency planning assumptions)		
Informative part	12	Vorgesehene Änderungen (Planned changes)		
	13	Referenzen (References)	EN 301 489-1, EN 301 489-15, EN 301 783 Order No 33/2007	
	14	Notifizierungsnummer (Notification number)		
	15	Anmerkungen (Remarks)		

Remark 1: The operation of remotely operated amateur radio stations, with the exception of amateur radio stations in remote operation, is not permitted. Amateur radio contests may not be conducted in this frequency band.

Remark 2: By way of derogation from the specific conditions of use, holders of a licence to participate in the amateur radio service with Class A authorisation are permitted to use a maximum transmit power of 750 watts PEP on weekends, when using the frequency band 1 850 – 1 890 kHz, and holders of a Class E licence to participate in the amateur radio service are permitted to use a maximum transmit power of 100 watts PEP. By way of derogation from Remark 1, amateur radio competitions (contesting) may be held on weekends.

Table 5: 1 890 – 2 000 kHz

	No	Parameter	Beschreibung (Description)	Bemerkung (Comments)
Normative part	1	Funkdienst (Radiocommunication service)	Amateur service	
	2	Verwendungszweck/Anwendung (Application)	Amateur radio	
	3	Frequenzbereich (Frequency band)	1 890 – 2 000 kHz	Remark 1
	4	Kanalbelegung (Channelling)		
	5	Modulation/belegte Bandbreite (Modulation/Occupied bandwidth)	max. 2.7 kHz	
	6	Richtung/Abstand (Direction/Separation)		
	7	Sendeleistung/Leistungsdichte (Transmit power/power density)	Class A: max. 10 W PEP Class E: max. 10 W PEP	Remark 2
	8	Kanalzugangs- und Belegungs- vorschriften (Channel access and occupation rules)		
	9	Genehmigungsverfahren (Authorisation regime)	Individual allocation	
	10	Wesentliche Zusatzanforderungen (Additional essential requirements)	Unwanted transmissions must be limited pursuant to Regulation 33/2007	
	11	Frequenzplanungsannahmen (Frequency planning assumptions)		
Informative part	12	Vorgesehene Änderungen (Planned changes)		
	13	Referenzen (References)	EN 301 489-1, EN 301 489-15, EN 301 783 Order No 33/2007	
	14	Notifizierungsnummer (Notification number)		
	15	Anmerkungen (Remarks)		

Remark 1: The operation of remotely operated amateur radio stations, with the exception of amateur radio stations in remote operation, is not permitted. Amateur radio contests may not be conducted in this frequency band.

Remark 2: By way of derogation from the special terms of use, on weekends, when using the frequency band 1890–2000 kHz, the use of a maximum transmit power of 750 watts PEP is permitted for holders of a Class A amateur radio license, and the use of a maximum transmit power of 100 watts PEP is permitted for holders of a Class E amateur radio license. By way of derogation from Remark 1, amateur radio competitions (contesting) may be held on weekends.

Table 6: 3 500 – 3 800 kHz

	No	Parameter	Beschreibung (Description)	Bemerkung (Comments)
Normative part	1	Funkdienst (Radiocommunication service)	AMATEUR SERVICE	
	2	Verwendungszweck/Anwendung (Application)	Amateur radio	
	3	Frequenzbereich (Frequency band)	3 500 – 3 800 kHz	
	4	Kanalbelegung (Channelling)		
	5	Modulation/belegte Bandbreite (Modulation/Occupied bandwidth)	max. 2.7 kHz	
	6	Richtung/Abstand (Direction/Separation)		
	7	Sendeleistung/Leistungsdichte (Transmit power/power density)	Class A: max. 750 W PEP Class E: max. 100 W PEP	
	8	Kanalzugangs- und Belegungs- vorschriften (Channel access and occupation rules)		
	9	Genehmigungsverfahren (Authorisation regime)	Individual allocation	
	10	Wesentliche Zusatzanforderungen (Additional essential requirements)	Unwanted transmissions must be limited pursuant to Regulation 33/2007, to be limited	
	11	Frequenzplanungsannahmen (Frequency planning assumptions)		
Informative part	12	Vorgesehene Änderungen (Planned changes)		
	13	Referenzen (References)	EN 301 489-1, EN 301 489-15, EN 301 783 Order No 33/2007	
	14	Notifizierungsnummer (Notification number)		
	15	Anmerkungen (Remarks)		

Table 7: 5 351.5 – 5 366.5 kHz

	No	Parameter	Beschreibung (Description)	Bemerkung (Comments)
Normative part	1	Funkdienst (Radiocommunication service)	Amateur service	
	2	Verwendungszweck/Anwendung (Application)	Amateur radio	
	3	Frequenzbereich (Frequency band)	5 351.5 – 5 366.5 kHz	
	4	Kanalbelegung (Channelling)		
	5	Modulation/belegte Bandbreite (Modulation/Occupied bandwidth)	max. 2.7 kHz	
	6	Richtung/Abstand (Direction/Separation)		
	7	Sendeleistung/Leistungsdichte (Transmit power/power density)	Class A: max. 9.14 W ERP	
	8	Kanalzugangs- und Belegungsregeln (Channel access and occupation rules)		
	9	Genehmigungsverfahren (Authorisation regime)	Individual allocation	
	10	Wesentliche Zusatzanforderungen (Additional essential requirements)	Unwanted transmissions must be limited pursuant to Regulation 33/2007	
	11	Frequenzplanungsannahmen (Frequency planning assumptions)		
Informative part	12	Vorgesehene Änderungen (Planned changes)		
	13	Referenzen (References)	EN 301 489-1, EN 301 489-15, EN 301 783 Order No 33/2007	
	14	Notifizierungsnummer (Notification number)		
	15	Anmerkungen (Remarks)		

Table 8: 7 000 - 7 200 kHz, 14 000 - 14 350 kHz, 18 068 - 18 168 kHz, 24 890 - 24 990 kHz

	No	Parameter	Beschreibung (Description)	Bemerkung (Comments)
Normative part	1	Funkdienst (Radiocommunication service)	AMATEUR SERVICE	
	2	Verwendungszweck/Anwendung (Application)	Amateur radio	
	3	Frequenzbereich (Frequency band)	7 000 – 7 200 kHz 14 000 – 14 350 kHz 18 068 – 18 168 kHz 24 890 – 24 990 kHz	
	4	Kanalbelegung (Channelling)		
	5	Modulation/belegte Bandbreite (Modulation/Occupied bandwidth)	max. 2.7 kHz	
	6	Richtung/Abstand (Direction/Separation)		
	7	Sendeleistung/Leistungsdichte (Transmit power/power density)	Class A: max. 750 W PEP	
	8	Kanalzugangs- und Belegungsregeln (Channel access and occupation rules)		
	9	Genehmigungsverfahren (Authorisation regime)	Individual allocation	
	10	Wesentliche Zusatzanforderungen (Additional essential requirements)	Unwanted transmissions must be limited pursuant to Regulation 33/2007	
	11	Frequenzplanungsannahmen (Frequency planning assumptions)		
Informative part	12	Vorgesehene Änderungen (Planned changes)		
	13	Referenzen (References)	EN 301 489-1, EN 301 489-15, EN 301 783 Order No 33/2007	
	14	Notifizierungsnummer (Notification number)		
	15	Anmerkungen (Remarks)		

Table 9: 10 100 - 10 150 kHz

	No	Parameter	Beschreibung (Description)	Bemerkung (Comments)
Normative part	1	Funkdienst (Radiocommunication service)	Amateur service	
	2	Verwendungszweck/Anwendung (Application)	Amateur radio	
	3	Frequenzbereich (Frequency band)	10 100 – 10 150 kHz	Remark 1
	4	Kanalbelegung (Channelling)		
	5	Modulation/belegte Bandbreite (Modulation/Occupied bandwidth)	max. 800 Hz	
	6	Richtung/Abstand (Direction/Separation)		
	7	Sendeleistung/Leistungsdichte (Transmit power/power density)	Class A: max. 150 W PEP, automatic amateur radio stations: max. 50 W ERP	
	8	Kanalzugangs- und Belegungs- vorschriften (Channel access and occupation rules)		
	9	Genehmigungsverfahren (Authorisation regime)	Individual allocation	
	10	Wesentliche Zusatzanforderungen (Additional essential requirements)	Unwanted transmissions must be limited pursuant to Regulation 33/2007	
	11	Frequenzplanungsannahmen (Frequency planning assumptions)		
Informative part	12	Vorgesehene Änderungen (Planned changes)		
	13	Referenzen (References)	EN 301 489-1, EN 301 489-15, EN 301 783 Order No 33/2007	
	14	Notifizierungsnummer (Notification number)		
	15	Anmerkungen (Remarks)		

Remark 1: The operation of remote-controlled amateur radio stations is not permitted, with the exception of amateur radio stations in remote operation. Amateur radio competitions (contesting) may not be conducted in this frequency band.

Table 10: 21 000 – 21 450 kHz

	No	Parameter	Beschreibung (Description)	Bemerkung (Comments)
Normative part	1	Funkdienst (Radiocommunication service)	AMATEUR SERVICE	
	2	Verwendungszweck/Anwendung (Application)	Amateur radio	
	3	Frequenzbereich (Frequency band)	21 000 – 21 450 kHz	
	4	Kanalbelegung (Channelling)		
	5	Modulation/belegte Bandbreite (Modulation/Occupied bandwidth)	max. 2.7 kHz	
	6	Richtung/Abstand (Direction/Separation)		
	7	Sendeleistung/Leistungsdichte (Transmit power/power density)	Class A: max. 750 W PEP Class E: max. 100 W PEP	
	8	Kanalzugangs- und Belegungs- vorschriften (Channel access and occupation rules)		
	9	Genehmigungsverfahren (Authorisation regime)	Individual allocation	
	10	Wesentliche Zusatzanforderungen (Additional essential requirements)	Unwanted transmissions must be limited pursuant to Regulation 33/2007	
	11	Frequenzplanungsannahmen (Frequency planning assumptions)		
Informative part	12	Vorgesehene Änderungen (Planned changes)		
	13	Referenzen (References)	EN 301 489-1, EN 301 489-15, EN 301 783 Order No 33/2007	
	14	Notifizierungsnummer (Notification number)		
	15	Anmerkungen (Remarks)		

Table 11: 28.0 – 29.7 MHz

	No	Parameter	Beschreibung (Description)	Bemerkung (Comments)
Normative part	1	Funkdienst (Radiocommunication service)	AMATEUR SERVICE	
	2	Verwendungszweck/Anwendung (Application)	Amateur radio	
	3	Frequenzbereich (Frequency band)	28.0 – 29.7 MHz	
	4	Kanalbelegung (Channelling)		
	5	Modulation/belegte Bandbreite (Modulation/Occupied bandwidth)	below 29 MHz max. 7 kHz above 29 MHz max. 40 kHz	
	6	Richtung/Abstand (Direction/Separation)		
	7	Sendeleistung/Leistungsdichte (Transmit power/power density)	Class A: max. 750 W PEP Class E: max. 100 W PEP Class N: max. 10 W ERP	
	8	Kanalzugangs- und Belegungsvorschriften (Channel access and occupation rules)		
	9	Genehmigungsverfahren (Authorisation regime)	Individual allocation	
	10	Wesentliche Zusatzanforderungen (Additional essential requirements)	Unwanted transmissions must be limited pursuant to Regulation 33/2007	
	11	Frequenzplanungsannahmen (Frequency planning assumptions)		
Informative part	12	Vorgesehene Änderungen (Planned changes)		
	13	Referenzen (References)	EN 301 489-1, EN 301 489-15, EN 301 783 Order No 33/2007	
	14	Notifizierungsnummer (Notification number)		
	15	Anmerkungen (Remarks)		

Table 12: 50.0 – 50.4 MHz

	No	Parameter	Beschreibung (Description)	Bemerkung (Comments)
Normative part	1	Funkdienst (Radiocommunication service)	Amateur service	
	2	Verwendungszweck/Anwendung (Application)	Amateur radio	
	3	Frequenzbereich (Frequency band)	50.0 – 50.4 MHz	Remark 1
	4	Kanalbelegung (Channelling)		
	5	Modulation/belegte Bandbreite (Modulation/Occupied bandwidth)	max. 12 kHz	
	6	Richtung/Abstand (Direction/Separation)		
	7	Sendeleistung/Leistungsdichte (Transmit power/power density)	Class A: max. 750 W PEP	
	8	Kanalzugangs- und Belegungs- vorschriften (Channel access and occupation rules)	Antenna polarisation: horizontal	
	9	Genehmigungsverfahren (Authorisation regime)	Individual allocation	
	10	Wesentliche Zusatzanforderungen (Additional essential requirements)	Unwanted transmissions must be limited pursuant to Regulation 33/2007	
	11	Frequenzplanungsannahmen (Frequency planning assumptions)		
Informative part	12	Vorgesehene Änderungen (Planned changes)		
	13	Referenzen (References)	EN 301 489-1, EN 301 489-15, EN 301 783 Order No 33/2007	
	14	Notifizierungsnummer (Notification number)		
	15	Anmerkungen (Remarks)		

Remark 1: Amateur radio transmissions must not cause harmful interference to broadcast reception, nor claim protection from transmissions by the broadcasting service. Amateur radio transmissions in the 50-52 MHz frequency band must not cause radio interference to wind profile radars. They cannot claim protection from transmissions by these radar devices. Only transmissions with horizontal polarisation are permitted. Use is restricted to fixed amateur radio stations. The holder of a call sign allocation under Section 13 for a 50 MHz beacon must ensure that the corresponding radio beacon can be switched off at any time by telephone request.

Table 13: 50.4 – 52.0 MHz

	No	Parameter	Beschreibung (Description)	Bemerkung (Comments)
Normative part	1	Funkdienst (Radiocommunication service)	Amateur service	
	2	Verwendungszweck/Anwendung (Application)	Amateur radio	
	3	Frequenzbereich (Frequency band)	50.4 – 52.0 MHz	Remark 1
	4	Kanalbelegung (Channelling)		
	5	Modulation/belegte Bandbreite (Modulation/Occupied bandwidth)	max. 12 kHz	
	6	Richtung/Abstand (Direction/Separation)		
	7	Sendeleistung/Leistungsdichte (Transmit power/power density)	Class A: max. 25 W PEP	
	8	Kanalzugangs- und Belegungs- vorschriften (Channel access and occupation rules)	Antenna polarisation: horizontal	
	9	Genehmigungsverfahren (Authorisation regime)	Individual allocation	
	10	Wesentliche Zusatzanforderungen (Additional essential requirements)	Unwanted transmissions must be limited pursuant to Regulation 33/2007	
	11	Frequenzplanungsannahmen (Frequency planning assumptions)		
Informative part	12	Vorgesehene Änderungen (Planned changes)		
	13	Referenzen (References)	EN 301 489-1, EN 301 489-15, EN 301 783 Order No 33/2007	
	14	Notifizierungsnummer (Notification number)		
	15	Anmerkungen (Remarks)		

Remark 1: Amateur radio transmissions must not cause harmful interference to broadcast reception, nor claim protection from transmissions by the broadcasting service. Amateur radio transmissions in the 50-52 MHz frequency band must not cause radio interference to wind profile radars. They cannot claim protection from transmissions by these radar devices. Only transmissions with horizontal polarisation are permitted. Use is restricted to fixed amateur radio stations. The holder of a call sign allocation under Section 13 for a 50 MHz beacon must ensure that the corresponding radio beacon can be switched off at any time by telephone request.

Table 14: 144 – 146 MHz

	No	Parameter	Beschreibung (Description)	Bemerkung (Comments)
Normative part	1	Funkdienst (Radiocommunication service)	AMATEUR SERVICE	
	2	Verwendungszweck/Anwendung (Application)	Amateur radio	
	3	Frequenzbereich (Frequency band)	144 – 146 MHz	
	4	Kanalbelegung (Channelling)		
	5	Modulation/belegte Bandbreite (Modulation/Occupied bandwidth)	max. 40 kHz	
	6	Richtung/Abstand (Direction/Separation)		
	7	Sendeleistung/Leistungsdichte (Transmit power/power density)	Class A: max. 750 W PEP Class E: max. 75 W PEP Class N: max. 6.1 W ERP	
	8	Kanalzugangs- und Belegungs- vorschriften (Channel access and occupation rules)		
	9	Genehmigungsverfahren (Authorisation regime)	Individual allocation	
	10	Wesentliche Zusatzanforderungen (Additional essential requirements)	Unwanted transmissions must be limited pursuant to Regulation 33/2007	
	11	Frequenzplanungsannahmen (Frequency planning assumptions)		
Informative part	12	Vorgesehene Änderungen (Planned changes)		
	13	Referenzen (References)	EN 301 489-1, EN 301 489-15, EN 301 783 Order No 33/2007	
	14	Notifizierungsnummer (Notification number)		
	15	Anmerkungen (Remarks)		

Table 15: 430 – 440 MHz

	No	Parameter	Beschreibung (Description)	Bemerkung (Comments)
Normative part	1	Funkdienst (Radiocommunication service)	AMATEUR SERVICE	
	2	Verwendungszweck/Anwendung (Application)	Amateur radio	
	3	Frequenzbereich (Frequency band)	430 – 440 MHz	
	4	Kanalbelegung (Channelling)		
	5	Modulation/belegte Bandbreite (Modulation/Occupied bandwidth)	max. 2 MHz max. 7 MHz for AM TV ³ broadcast	
	6	Richtung/Abstand (Direction/Separation)		
	7	Sendeleistung/Leistungsdichte (Transmit power/power density)	Class A: max. 750 W PEP Class E: max. 75 W PEP Class N: max. 6.1 W ERP	
	8	Kanalzugangs- und Belegungsvorschriften (Channel access and occupation rules)		
	9	Genehmigungsverfahren (Authorisation regime)	Individual allocation	
	10	Wesentliche Zusatzanforderungen (Additional essential requirements)	Unwanted transmissions must be limited pursuant to Regulation 33/2007	
	11	Frequenzplanungsannahmen (Frequency planning assumptions)		
Informative part	12	Vorgesehene Änderungen (Planned changes)		
	13	Referenzen (References)	EN 301 489-1, EN 301 489-15, EN 301 783 Order No 33/2007	
	14	Notifizierungsnummer (Notification number)		
	15	Anmerkungen (Remarks)		

³ AM-TV: amplitude-modulated television broadcasting

Table 16: 1 240 – 1 250 MHz, 1 250 – 1 260 MHz, 1 260 – 1 300 MHz

	No	Parameter	Beschreibung (Description)	Bemerkung (Comments)
Normative part	1	Funkdienst (Radiocommunication service)	Amateur service	
	2	Verwendungszweck/Anwendung (Application)	Amateur radio	
	3	Frequenzbereich (Frequency band)	1 240 – 1 250 MHz 1 250 – 1 260 MHz 1 260 – 1 300 MHz	
	4	Kanalbelegung (Channelling)		
	5	Modulation/belegte Bandbreite (Modulation/Occupied bandwidth)	max. 2 MHz, max. 7 MHz for digital or AM TV ⁴ -transmission, max. 18 MHz for FM TV ⁵ -transmission	
	6	Richtung/Abstand (Direction/Separation)		
	7	Sendeleistung/Leistungsdichte (Transmit power/power density)	Class A: max. 750 W PEP Class E: max. 75 W PEP	Remarks 1 and 2
	8	Kanalzugangs- und Belegungs- vorschriften (Channel access and occupation rules)		
	9	Genehmigungsverfahren (Authorisation regime)	Individual allocation	
	10	Wesentliche Zusatzanforderungen (Additional essential requirements)	Unwanted transmissions must be limited pursuant to Regulation 33/2007	
	11	Frequenzplanungsannahmen (Frequency planning assumptions)		
Informative part	12	Vorgesehene Änderungen (Planned changes)		
	13	Referenzen (References)	EN 301 489-1, EN 301 489-15, EN 301 783 Order No 33/2007	
	14	Notifizierungsnummer (Notification number)		
	15	Anmerkungen (Remarks)		

Remark 1: In the sub-band of 1 247 – 1 263 MHz, the radiated power is limited to a maximum of 3.05 watts ERP. The use of remotely operated and automatically operating amateur radio stations is not permitted in this area.

Remark 2: Link routes of remotely operated or automatically operating amateur radio stations can be operated with a radiated power of up to 1 000 W ERP in specially justified cases.

⁴ AM-TV: amplitude-modulated television broadcasting

⁵ FM-TV: frequency modulated television broadcast

Table 17: 2 320 – 2 400 MHz, 2 400 – 2 450 MHz, 3 400 – 3 475 MHz, 5 650 – 5 670 MHz

No	Parameter	Beschreibung (Description)	Bemerkung (Comments)
Normative part	1 Funkdienst (Radiocommunication service)	Amateur service	
	2 Verwendungszweck/Anwendung (Application)	Amateur radio	
	3 Frequenzbereich (Frequency band)	2 320 – 2 400 MHz 2 400 – 2 450 MHz 3 400 – 3 475 MHz 5 650 – 5 670 MHz	
	4 Kanalbelegung (Channelling)		
	5 Modulation/belegte Bandbreite (Modulation/Occupied bandwidth)	max. 10 MHz, max. 20 MHz for TV broadcast	
	6 Richtung/Abstand (Direction/Separation)		
	7 Sendeleistung/Leistungsdichte (Transmit power/power density)	Class A: max. 75 W PEP Class E: max. 5 W PEP	Remarks 1
	8 Kanalzugangs- und Belegungs- vorschriften (Channel access and occupation rules)		
	9 Genehmigungsverfahren (Authorisation regime)	Individual allocation	
	10 Wesentliche Zusatzanforderungen (Additional essential requirements)	Unwanted transmissions must be limited pursuant to Regulation 33/2007	
	11 Frequenzplanungsannahmen (Frequency planning assumptions)		
Informative part	12 Vorgesehene Änderungen (Planned changes)		
	13 Referenzen (References)	EN 301 489-1, EN 301 489-15, EN 301 783 Order No 33/2007	
	14 Notifizierungsnummer (Notification number)		
	15 Anmerkungen (Remarks)		

Remark 1: Link routes of remotely operated or automatically operating amateur radio stations can be operated with a radiated power of up to 1 000 W ERP in specially justified cases.

Table 18: 5 670 – 5 725 MHz, 5 725 – 5 755 MHz, 5 755 – 5 830 MHz, 5 830 – 5 850 MHz

No	Parameter	Beschreibung (Description)	Bemerkung (Comments)
Normative part	1 Funkdienst (Radiocommunication service)	Amateur service	
	2 Verwendungszweck/Anwendung (Application)	Amateur radio	
	3 Frequenzbereich (Frequency band)	5 670 – 5 725 MHz 5 725 – 5 755 MHz 5 755 – 5 830 MHz 5 830 – 5 850 MHz	
	4 Kanalbelegung (Channelling)		
	5 Modulation/belegte Bandbreite (Modulation/Occupied bandwidth)	max. 10 MHz, max. 20 MHz for TV broadcast	
	6 Richtung/Abstand (Direction/Separation)		
	7 Sendeleistung/Leistungsdichte (Transmit power/power density)	Class A: max. 75 W PEP Class E: max. 5 W PEP	Remark 1
	8 Kanalzugangs- und Belegungs- vorschriften (Channel access and occupation rules)		
	9 Genehmigungsverfahren (Authorisation regime)	Individual allocation	
	10 Wesentliche Zusatzanforderungen (Additional essential requirements)	Unwanted transmissions must be limited pursuant to Regulation 33/2007	
	11 Frequenzplanungsannahmen (Frequency planning assumptions)		
Informative part	12 Vorgesehene Änderungen (Planned changes)		
	13 Referenzen (References)	EN 301 489-1, EN 301 489-15, EN 301 783 Order No 33/2007	
	14 Notifizierungsnummer (Notification number)		
	15 Anmerkungen (Remarks)		

Remark 1: Link routes of remotely operated or automatically operating amateur radio stations can be operated with a radiated power of up to 1 000 W ERP in specially justified cases.

Table 19: 10.00 – 10.40 GHz, 10.40 – 10.45 GHz, 10.45 – 10.50 GHz

	No	Parameter	Beschreibung (Description)	Bemerkung (Comments)
Normative part	1	Funkdienst (Radiocommunication service)	Amateur service	
	2	Verwendungszweck/Anwendung (Application)	Amateur radio	
	3	Frequenzbereich (Frequency band)	10.00 – 10.40 GHz 10.40 – 10.45 GHz 10.45 – 10.50 GHz	
	4	Kanalbelegung (Channelling)		
	5	Modulation/belegte Bandbreite (Modulation/Occupied bandwidth)	max. 10 MHz, max. 20 MHz for TV broadcast	
	6	Richtung/Abstand (Direction/Separation)		
	7	Sendeleistung/Leistungsdichte (Transmit power/power density)	Class A: max. 75 W PEP Class E: max. 5 W PEP	Remark 1
	8	Kanalzugangs- und Belegungs- vorschriften (Channel access and occupation rules)		
	9	Genehmigungsverfahren (Authorisation regime)	Individual allocation	
	10	Wesentliche Zusatzanforderungen (Additional essential requirements)	Unwanted transmissions must be limited pursuant to Regulation 33/2007	
	11	Frequenzplanungsannahmen (Frequency planning assumptions)		
Informative part	12	Vorgesehene Änderungen (Planned changes)		
	13	Referenzen (References)	EN 301 489-1, EN 301 489-15, EN 301 783 Order No 33/2007	
	14	Notifizierungsnummer (Notification number)		
	15	Anmerkungen (Remarks)		

Remark 1: Link routes of remotely operated or automatically operating amateur radio stations can be operated with a radiated power of up to 1 000 W ERP in specially justified cases.

Table 20: 24.00 – 24.05 GHz

	No	Parameter	Beschreibung (Description)	Bemerkung (Comments)
Normative part	1	Funkdienst (Radiocommunication service)	AMATEUR SERVICE	
	2	Verwendungszweck/Anwendung (Application)	Amateur radio	
	3	Frequenzbereich (Frequency band)	24.00 – 24.05 GHz	
	4	Kanalbelegung (Channelling)		
	5	Modulation/belegte Bandbreite (Modulation/Occupied bandwidth)		
	6	Richtung/Abstand (Direction/Separation)		
	7	Sendeleistung/Leistungsdichte (Transmit power/power density)	Class A: max. 75 W PEP Class E: max. 5 W PEP	Remark 1
	8	Kanalzugangs- und Belegungs- vorschriften (Channel access and occupation rules)		
	9	Genehmigungsverfahren (Authorisation regime)	Individual allocation	
	10	Wesentliche Zusatzanforderungen (Additional essential requirements)	Unwanted transmissions must be limited pursuant to Regulation 33/2007	
	11	Frequenzplanungsannahmen (Frequency planning assumptions)		
Informative part	12	Vorgesehene Änderungen (Planned changes)		
	13	Referenzen (References)	EN 301 489-1, EN 301 489-15, EN 301 783 Order No 33/2007	
	14	Notifizierungsnummer (Notification number)		
	15	Anmerkungen (Remarks)		

Remark 1: Link routes of remotely operated or automatically operating amateur radio stations can be operated with a radiated power of up to 1 000 W ERP in specially justified cases.

Table 21:24.05 – 24.25 GHz

	No	Parameter	Beschreibung (Description)	Bemerkung (Comments)
Normative part	1	Funkdienst (Radiocommunication service)	Amateur service	
	2	Verwendungszweck/Anwendung (Application)	Amateur radio	
	3	Frequenzbereich (Frequency band)	24.05 – 24.25 GHz	
	4	Kanalbelegung (Channelling)		
	5	Modulation/belegte Bandbreite (Modulation/Occupied bandwidth)	max. 10 MHz, max. 20 MHz for TV broadcast	
	6	Richtung/Abstand (Direction/Separation)		
	7	Sendeleistung/Leistungsdichte (Transmit power/power density)	Class A: max. 75 W PEP Class E: max. 5 W PEP	Remark 1
	8	Kanalzugangs- und Belegungs- vorschriften (Channel access and occupation rules)		
	9	Genehmigungsverfahren (Authorisation regime)	Individual allocation	
	10	Wesentliche Zusatzanforderungen (Additional essential requirements)	Unwanted transmissions must be limited pursuant to Regulation 33/2007	
	11	Frequenzplanungsannahmen (Frequency planning assumptions)		
Informative part	12	Vorgesehene Änderungen (Planned changes)		
	13	Referenzen (References)	EN 301 489-1, EN 301 489-15, EN 301 783 Order No 33/2007	
	14	Notifizierungsnummer (Notification number)		
	15	Anmerkungen (Remarks)		

Remark 1: Link routes of remotely operated or automatically operating amateur radio stations can be operated with a radiated power of up to 1 000 W ERP in specially justified cases.

Table 22:47.0 – 47.2 GHz, 248 – 250 GHz

	No	Parameter	Beschreibung (Description)	Bemerkung (Comments)
Normative part	1	Funkdienst (Radiocommunication service)	AMATEUR SERVICE	
	2	Verwendungszweck/Anwendung (Application)	Amateur radio	
	3	Frequenzbereich (Frequency band)	47.0 – 47.2 GHz 248 – 250 GHz	
	4	Kanalbelegung (Channelling)		
	5	Modulation/belegte Bandbreite (Modulation/Occupied bandwidth)		
	6	Richtung/Abstand (Direction/Separation)		
	7	Sendeleistung/Leistungsdichte (Transmit power/power density)	Class A: max. 75 W PEP Class E: max. 5 W PEP	Remark 1
	8	Kanalzugangs- und Belegungs- vorschriften (Channel access and occupation rules)		
	9	Genehmigungsverfahren (Authorisation regime)	Individual allocation	
	10	Wesentliche Zusatzanforderungen		
	11	Frequenzplanungsannahmen (Frequency planning assumptions)		
Informative part	12	Vorgesehene Änderungen (Planned changes)		
	13	Referenzen (References)	EN 301 489-1, EN 301 489-15, EN 301 783	
	14	Notifizierungsnummer (Notification number)		
	15	Anmerkungen (Remarks)		

Remark 1: Link routes of remotely operated or automatically operating amateur radio stations can be operated with a radiated power of up to 1 000 W ERP in specially justified cases.

Table 23: 76.0 – 77.5 GHz, 77.5 – 78.0 GHz, 78.0 – 79.0 GHz, 79.0 – 81.0 GHz

	No	Parameter	Beschreibung (Description)	Bemerkung (Comments)
Normative part	1	Funkdienst (Radiocommunication service)	Amateur service	
	2	Verwendungszweck/Anwendung (Application)	Amateur radio	
	3	Frequenzbereich (Frequency band)	76.0 – 77.5 GHz 77.5 – 78.0 GHz 78.0 – 79.0 GHz 79.0 – 81.0 GHz	
	4	Kanalbelegung (Channelling)		
	5	Modulation/belegte Bandbreite (Modulation/Occupied bandwidth)	max. 10 MHz, max. 20 MHz for TV broadcast	
	6	Richtung/Abstand (Direction/Separation)		
	7	Sendeleistung/Leistungsdichte (Transmit power/power density)	Class A: max. 75 W PEP Class E: max. 5 W PEP	Remark 1
	8	Kanalzugangs- und Belegungs- vorschriften (Channel access and occupation rules)		
	9	Genehmigungsverfahren (Authorisation regime)	Individual allocation	
	10	Wesentliche Zusatzanforderungen (Additional essential requirements)		
	11	Frequenzplanungsannahmen (Frequency planning assumptions)		
Informative part	12	Vorgesehene Änderungen (Planned changes)		
	13	Referenzen (References)	EN 301 489-1, EN 301 489-15, EN 301 783	
	14	Notifizierungsnummer (Notification number)		
	15	Anmerkungen (Remarks)		

Remark 1: Link routes of remotely operated or automatically operating amateur radio stations can be operated with a radiated power of up to 1 000 W ERP in specially justified cases.

Table 24:122.25 – 123.00 GHz

	No	Parameter	Beschreibung (Description)	Bemerkung (Comments)
Normative part	1	Funkdienst (Radiocommunication service)	Amateur service	
	2	Verwendungszweck/Anwendung (Application)	Amateur radio	
	3	Frequenzbereich (Frequency band)	122.25 – 123.00 GHz	
	4	Kanalbelegung (Channelling)		
	5	Modulation/belegte Bandbreite (Modulation/Occupied bandwidth)	max. 10 MHz, max. 20 MHz for TV broadcast	
	6	Richtung/Abstand (Direction/Separation)		
	7	Sendeleistung/Leistungsdichte (Transmit power/power density)	Class A: max. 75 W PEP Class E: max. 5 W PEP	Remark 1
	8	Kanalzugangs- und Belegungs- vorschriften (Channel access and occupation rules)		
	9	Genehmigungsverfahren (Authorisation regime)	Individual allocation	
	10	Wesentliche Zusatzanforderungen (Additional essential requirements)		
	11	Frequenzplanungsannahmen (Frequency planning assumptions)		
Informative part	12	Vorgesehene Änderungen (Planned changes)		
	13	Referenzen (References)	EN 301 489-1, EN 301 489-15, EN 301 783	
	14	Notifizierungsnummer (Notification number)		
	15	Anmerkungen (Remarks)		

Remark 1: Link routes of remotely operated or automatically operating amateur radio stations can be operated with a radiated power of up to 1 000 W ERP in specially justified cases.

Table 25:134 – 136 GHz

	No	Parameter	Beschreibung (Description)	Bemerkung (Comments)
Normative part	1	Funkdienst (Radiocommunication service)	AMATEUR SERVICE	
	2	Verwendungszweck/Anwendung (Application)	Amateur radio	
	3	Frequenzbereich (Frequency band)	134 – 136 GHz	
	4	Kanalbelegung (Channelling)		
	5	Modulation/belegte Bandbreite (Modulation/Occupied bandwidth)	max. 10 MHz, max. 20 MHz for TV broadcast	
	6	Richtung/Abstand (Direction/Separation)		
	7	Sendeleistung/Leistungsdichte (Transmit power/power density)	Class A: max. 75 W PEP Class E: max. 5 W PEP	Remark 1
	8	Kanalzugangs- und Belegungs- vorschriften (Channel access and occupation rules)		
	9	Genehmigungsverfahren (Authorisation regime)	Individual allocation	
	10	Wesentliche Zusatzanforderungen (Additional essential requirements)		
	11	Frequenzplanungsannahmen (Frequency planning assumptions)		
Informative part	12	Vorgesehene Änderungen (Planned changes)		
	13	Referenzen (References)	EN 301 489-1, EN 301 489-15, EN 301 783	
	14	Notifizierungsnummer (Notification number)		
	15	Anmerkungen (Remarks)		

Remark 1: Link routes of remotely operated or automatically operating amateur radio stations can be operated with a radiated power of up to 1 000 W ERP in specially justified cases.

Table 26:136 – 141 GHz

	No	Parameter	Beschreibung (Description)	Bemerkung (Comments)
Normative part	1	Funkdienst (Radiocommunication service)	Amateur service	
	2	Verwendungszweck/Anwendung (Application)	Amateur radio	
	3	Frequenzbereich (Frequency band)	136 – 141 GHz	
	4	Kanalbelegung (Channelling)		
	5	Modulation/belegte Bandbreite (Modulation/Occupied bandwidth)	max. 10 MHz, max. 20 MHz for TV broadcast	
	6	Richtung/Abstand (Direction/Separation)		
	7	Sendeleistung/Leistungsdichte (Transmit power/power density)	Class A: max. 75 W PEP Class E: max. 5 W PEP	Remark 1
	8	Kanalzugangs- und Belegungs- vorschriften (Channel access and occupation rules)		
	9	Genehmigungsverfahren (Authorisation regime)	Individual allocation	
	10	Wesentliche Zusatzanforderungen (Additional essential requirements)		
	11	Frequenzplanungsannahmen (Frequency planning assumptions)		
Informative part	12	Vorgesehene Änderungen (Planned changes)		
	13	Referenzen (References)	EN 301 489-1, EN 301 489-15, EN 301 783	
	14	Notifizierungsnummer (Notification number)		
	15	Anmerkungen (Remarks)		

Remark 1: Link routes of remotely operated or automatically operating amateur radio stations can be operated with a radiated power of up to 1 000 W ERP in specially justified cases.

Table 27:241 – 248 GHz

	No	Parameter	Beschreibung (Description)	Bemerkung (Comments)
Normative part	1	Funkdienst (Radiocommunication service)	Amateur service	
	2	Verwendungszweck/Anwendung (Application)	Amateur radio	
	3	Frequenzbereich (Frequency band)	241 – 248 GHz	
	4	Kanalbelegung (Channelling)		
	5	Modulation/belegte Bandbreite (Modulation/Occupied bandwidth)		
	6	Richtung/Abstand (Direction/Separation)		
	7	Sendeleistung/Leistungsdichte (Transmit power/power density)	Class A: max. 75 W PEP Class E: max. 5 W PEP	Remark 1
	8	Kanalzugangs- und Belegungs- vorschriften (Channel access and occupation rules)		
	9	Genehmigungsverfahren (Authorisation regime)	Individual allocation	
	10	Wesentliche Zusatzanforderungen (Additional essential requirements)		
	11	Frequenzplanungsannahmen (Frequency planning assumptions)		
Informative part	12	Vorgesehene Änderungen (Planned changes)		
	13	Referenzen (References)	EN 301 489-1, EN 301 489-15, EN 301 783	
	14	Notifizierungsnummer (Notification number)		
	15	Anmerkungen (Remarks)		

Remark 1: Link routes of remotely operated or automatically operating amateur radio stations can be operated with a radiated power of up to 1 000 W ERP in specially justified cases.