



Czech Telecommunication Office
with headquarters at Sokolovská 219, Prague 9
P.O. Box 02, Prague 025, Postcode 225 02

Prague 14 June 2016
Ref. ČTÚ-42 013/2016-613

On the basis of public consultation under Section 130 of the Act No. 127/2005 Coll., on electronic communications and on amendment to certain related acts (the Electronic Communications Act), as amended (hereinafter “the Act”) and under of the Act No. 500/2004 Coll., the Administrative Regulations, as amended, and on the basis of the decision of the Council of the Czech Telecommunications Office (hereinafter “the Office”) under Section 107(9)(b)(2) of the Act and in order to implement Sections 9 and 12 of the Act, the Office as the appropriate state administration body under Section 108(1)(b) of the Act hereby issues this Measure of General Nature

General Authorisation No. VO-R/3/6.2016-9
for the use of radio frequencies and the operation of PMR 446 equipment

Article 1
Introductory Provisions

The apparatus operating conditions^{1), 2)} related to the use of radio frequencies and operation of the transmitting radio equipment of the land mobile service constituting part of analogue and digital PMR 446 equipment³⁾ (hereinafter “the PMR 446 station”) by natural or juristic persons (hereinafter “the user”) are laid down in the Act and in this General Authorisation under Section 10(1) of the Act⁴⁾.

Article 2
Factual conditions

The factual conditions related to Section 10(1)(m) of the Act are as follows:

- (1) The PMR 446 station may be operated while maintaining technical parameters presented in paragraph 3) on the basis of the General Authorisation, i.e. without individual authorisation for the use of radio frequencies.

¹⁾ Sections 73 and 74 of the Act.

²⁾ The European harmonized standards presented in Article 2(3) applied on the basis of the Act No. 22/1997 Coll., on technical requirements for products and on amending and supplementing certain acts, as amended and Governmental Order No. 426/2000 Coll., laying down the technical requirements for radio equipment and telecommunication terminal equipment, as amended.

³⁾ The abbreviation PMR stands for Private Mobile Radio links and networks.

⁴⁾ This General Authorisation results from Decision of Electronic Communications Committee (hereinafter “ECC”) No. ECC/DEC/(15)05 of 3 July 2015 on the harmonised frequency range 446.0–446.2 MHz, technical characteristics, exemption from individual licensing and free carriage and use of analogue and digital PMR 446 applications.

This is an unofficial translation. The legally binding text is the original Czech version.

(2) The PMR 446 stations with digital modulation shall be only operated in the frequency sub-band 446.1–446.2 MHz until 31 December 2017.

(3) The technical parameters of PMR 446 stations are as follows:

Type of modulation	Analogue	Digital
Frequency band	446.0–446.2 MHz	446.1–446.2 MHz from 1 January 2018: 446.0–446.2 MHz
Channel spacing	12.5 kHz; centre frequency of 1. channel is 446.00625 MHz	6.25 kHz, 1 st channel centre frequency is 446.103125 MHz (446.003125 MHz ⁵⁾) or 12.5 kHz, 1 st channel centre frequency is 446.10625 MHz (446.00625 MHz ⁵⁾)
Radiated power	maximum 500 mW e.r.p.	
Time-out time ⁶⁾	maximum 180 second	
Type of station and antenna	the handheld station with capability of reception and with integral antenna, i.e. the antenna is attached firmly to the station, the user has no possibility to disconnect antenna	
Operation mode	simplex, the voice communication only	
Harmonised standards	ČSN ETSI EN 300 113 – Electromagnetic compatibility and Radio spectrum Matters (ERM); Land Mobile Service; Radio equipment having an antenna connector and intended for the transmission of data (and/or voice), or ČSN ETSI EN 301 166 – Electromagnetic compatibility and Radio spectrum Matters (ERM); Land Mobile Service; Radio equipment for analogue and/or digital communication (voice and/or data) and operating on narrow band channels and having an antenna connector, or ČSN ETSI EN 300 296 – Electromagnetic compatibility and Radio spectrum Matters (ERM); Land Mobile Service; Radio equipment using integral antennas intended primarily for analogue voice.	

(4) In the frequency band 446.0–446.1 MHz, the PMR 446 stations with analogue modulation placed on the market after 1 January 2017 and all PMR 446 stations with analogue modulation operated in the frequency band 446.1–446.2 MHz shall be equipped with more robust receivers according to the technical specification ETSI TS 103 236.

(5) The PMR 446 stations are operated on shared frequencies. The mutual negative interference caused by operation of other PMR 446 stations is not considered as harmful interference and the affected users of the PMR 446 stations solve this influence by mutual agreement.

(6) For operation of the PMR 446 stations is not allowed to use base stations, repeaters or devices of fixed infrastructure.

(7) The use of radio frequencies by the PMR 446 stations is categorized as the service on a secondary basis⁷⁾ hence the PMR 446 stations shall not cause harmful interference to the stations of radiocommunication services allocated on a primary basis and they shall not claim protection from harmful interference caused by these stations.

(8) The station PMR 446 shall not be modified either electrically or mechanically.

⁵⁾ From 1 January 2018.

⁶⁾ The stations shall be equipped with function which limits the transmission time on max. 180 second and after that the transmission is possible after the push-to-talk button is pushed again or after VOX (Voice Activation Exchange) is activated.

⁷⁾ Chapter 5, items 5.23 up to 5.33 of the Annex to the Decree No. 105/2010 Coll., of 2 April 2010, The Frequency Band Allocation Plan (National Table of Frequency Allocation).

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Article 3
Final Provisions

- (1) Considered as PMR 446 station complying with the Government Order No. 426/2000 Coll., laying down the technical requirements for radio equipment and telecommunication terminal equipment, as amended, is also PMR 446 station for which the Office decided to approve the radio equipment in accordance with Section 10 of the Act No. 151/2000 Coll., on Telecommunications and on Amendment to other Acts, as amended, provided that such PMR 446 station was released to the market before 1 April 2003.
- (2) The use of frequencies in the band 446.0–446.1 MHz by PMR 446 stations with digital modulation is possible since 1 January 2018.

Article 4
Repealing provision

The General Authorisation No. VO-R/3/07.2007-13, ref. 33 017/2005-613 of 23 July 2005 published in the Telecommunication Journal 10/2005 is cancelled.

Article 5
Effect

This General Authorization comes into effect on 1 July 2016.

Explanatory Memorandum

The Office has issued General Authorisation No. VO-R/3/6.2016-9 for the use of radio frequencies and the operation of PMR 446 equipment (hereinafter "the General Authorisation") to implement § 9 of the Act.

General Authorisation is based on principles set down in the Act and on the frequency plans and harmonisation objectives of the European Union and replaces the original General Authorisation repealed by article 4 of this General Authorisation.

The conditions for operating PMR 446 equipment are specified in Article 2. These conditions are based on European Conference of Postal and Telecommunications Administrations (CEPT) Decision and on Directive No. 1999/5/EC of the European Parliament and of the Council, on radio equipment and telecommunication terminal equipment and mutual recognition of their conformity as well as from requirements which result from the exercise of the radio spectrum management.

After the issue of the General Authorisation No. VO-R/3/07.2007-13, the European Radiocommunications Office issued Decision No. ECC/DEC/(15)05 of 3 July 2015 on the harmonised frequency range 446.0–446.2 MHz, technical characteristics, exemption from individual licensing and free carriage and use of analogue and digital PMR 446 applications (hereinafter "the ECC Decision"). In order to implement this decision, the Office carried out in sense of Section 12 of the Act in the General Authorisation, following changes:

1. In Article 2, paragraph 3, particularly the use of both frequency bands (446.0–446.1 MHz and 446.1–446.2 MHz) is extended for both analogue and digital systems as well as the technical conditions of the PMR 446 stations are modified in accordance with ECC Decision.
2. The partial formal adjustments were carried out, particularly in order to unify form of the General Authorisation with other general authorisations.

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- (3) Article 3 sets down possibility of operation of equipment released to the market before 1 April 2003 and due to the protection of operation of older equipment with analogue modulation, it limits the use of frequency band 446.0–446.1 MHz for the PMR 446 stations with digital modulation before 1 January 2018.
- (4) Article 4 repeals the General Authorisation No. VO-R/3/07.2007-13.
- (5) Article 5 sets down the effectiveness of General Authorisation according to Section 124, paragraph 2 of the Act.

On the basis of Section 130 of the Act and according to the Czech Telecommunication Office Rules for conducting consultations at the discussion site, the Office published on 27 April 2016 the draft of the Measure of General nature by which is issued the General Authorisation No. VO-R/3/xx.2016-y for the operation of the radio frequencies and the operation of PMR 446 equipment, and the call for comments at the discussion site.

In framework of the public consultation, during 1 month, the Office did not receive any comment in accordance with the Czech Telecommunication Office Rules for conducting consultations at the discussion site. Beyond the framework of these comments, the Office received 22 standpoints and contributions to the discussion.

These contributions addresses particularly requirements to preserve the separation of the frequency band for analogue and digital transmission. These requirements could not be accepted due to the issued ECC Decision. It is expected in the future the introduction to the market of equipment complying with the ECC Decision and with respect to consumer character of this goods which is intended for wide range of the users, the regulation of their use would be hardly enforced.

Other comments which addressed the permission of external antenna resulted from incorrect assumption that the General Authorisation changing this matter. But requirement for integral antenna firmly connected with the station has been already included in General Authorisation No. VO-R/3/07.2007-13 and results also from the ECC Decision and purpose for which is the PMR 446 band designated. Therefore these requirements were not accepted as well.

On behalf of the Council of the Czech
Telecommunications Office

Jaromír Novák

Chairman of the Council
of the Czech Telecommunications Office
<signed>