

**RO-IR 14**

**TECHNICAL REGULATION**

**for the radio interface**

**concerning Citizens' Band (CB) radio communications**

## 1. Basic Considerations

Directive 2014/53/EU of the European Parliament and of the Council of 16 April 2014 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 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 the license exempted radio spectrum usage by radio equipment that are intended for Citizens' Band (CB) radio communications and considers compliance, especially with the provisions of Article 3 Paragraph 2 and Articles 6-8 of Directive 2014/53/EU.

This technical regulation does not exclude the obligation that the radio equipment placed on the market or made available on the market in Romania shall comply with the 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 by this regulation (OJ L 241, 17.9.2015, pages 1–15).

All 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) web-site at: <http://www.ancom.ro/reglementari-interfete> 2723.

## 2. Radio Interface Specifications

### Citizens' Band (CB) radio communications

Frequency band	Annex
26.960-27.410 MHz (Angle-modulation – F3E/G3E)	RO-IR 14–01
26.960-27.410 MHz (Amplitude Modulation – A3E or J3E)	RO-IR 14–02

Angle modulations: F3E / G3E classes of emission as they are defined in the International Telecommunication Union (ITU) Radio Regulations, corresponding to modulation with an audio pre-emphasis characteristic for the FM transmitter and an audio de-emphasis characteristic for the receiver.

Double Side Band (DSB) modulation: A3E class of emission as defined in the ITU Radio Regulations, corresponding to double side band amplitude modulation.

Single Side Band (SSB) modulation: J3E class of emission as defined in the ITU Radio Regulations, corresponding to single side band and suppressed carrier amplitude modulation, using either USB (Upper Side Band) or LSB (Lower Side Band).

The use of radio spectrum by radio equipment that are intended for Citizens' Band (CB) radio communications is allowed provided that such equipment meets the conditions set out in the Annexes below.

### 3. Document history:

Edition	Changes
Edition 1/2014	Notification number according to Directive 98/34/EC: 2014/610/RO
Edition 2/2018 (06.08.2018)	Update of the legal framework according to Point 1 – „Basic considerations” and reference documents (row 13); Formal changes according to TCAM-RSC pattern of November 2017.
Edition 3/2020 (23.12.2020)	Update of the legal framework according to Point 1 – „Basic considerations”;

ROMANIA		Radio Interface Specification	Citizens' Band (CB) radio communications	RO-IR 14-01	Edition 3/2020
Normative Part	Nr	Parameter	Description	Comments	
	1	Radiocommunication Service	Mobile		
	2	Application	Citizens' Band (CB) radio communications		
	3	Frequency band	26.960 – 27.410 MHz Excluding the channels with central frequencies 26.995 MHz, 27.045 MHz, 27.095 MHz, 27.145 MHz and 27.195 MHz		
	4	Channeling (channel distribution)	10 kHz		
	5	Modulation/Occupied bandwidth	F3E/G3E (angle modulation with appropriate pre-emphasis and de-emphasis)		
	6	Direction/Separation	-		
	7	Transmit power / Power density	Max. 4 W effective radiated power (e.r.p.)		
	8	Channel occupation and access rules	Transmission and reception takes place on the same channel (single frequency simplex mode)		
	9	Authorization regime	License 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 300 433; ECC/DEC/(11)03		
	14	Notification number	2014/610/RO		
	15	Remarks	-		

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ROMANIA	Radio Interface Specification	Citizens' Band (CB) radio communications	RO-IR 14-02	Edition 3/ 2018
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	Nr	Parameter	Description	Comments
Normative Part	1	Radiocommunication Service	Mobile	
	2	Application	Citizens' Band (CB) radio communications	
	3	Frequency band	26.960 – 27.410 MHz Excluding the channels with central frequencies 26.995 MHz, 27.045 MHz, 27.095 MHz, 27.145 MHz and 27.195 MHz	
	4	Channeling (channel distribution)	10 kHz	
	5	Modulation/Occupied bandwidth	a) A3E b) J3E	
	6	Direction/Separation	-	
	7	Transmit power / Power density	a) Max. 4 W e.r.p. (measured as a root mean square) b) Max. 12 W e.r.p. (measured as a peak power)	a) For both Double Side Band (DSB) amplitude modulated equipment b) For Single Side Band (SSB) amplitude modulated equipment
	8	Channel occupation and access rules	Transmission and reception take place on the same channel (single frequency simplex mode)	
	9	Authorization regime	License 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 300 433; ECC/DEC/(11)03	
	14	Notification number	2014/610/RO	
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