

UK Interface Requirement 2075

Recognised Spectrum Access and Converted Spectrum Access in
the band 410 - 412MHz and 420 - 422MHz

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Section 1

Foreword

- 1.1 The Radio Equipment Directive (Directive 2014/53/EU) was implemented in the United Kingdom (UK) by the Radio Equipment Regulations 2017. In accordance with Articles 8 and 7 of Directive 2014/53/EU, this UK Interface Requirement contains the technical requirements for the Crown Recognised Spectrum Access and Converted Spectrum Access Authorisations in the specified frequency bands.
- 1.2 Nothing in this UK Radio Interface Requirement shall preclude the need for equipment to comply with Directive 2014/53/EU.
- 1.3 It is required by the Wireless Telegraphy Act 2006 that no radio equipment is installed or used in the UK except under the authority of a licence granted by or otherwise exempted by regulations made by Ofcom. It is a condition of such a licence or exemption regulations as appropriate that the equipment must meet the minimum requirements specified in the applicable UK Radio Interface Requirement for the stated frequency bands. Nothing in this UK Radio Interface Requirement shall preclude equipment from being placed on the market in the UK that complies with the 'essential requirements' specified in Directive 2014/53/EU.
- 1.4 The requirements in the main body of this UK Radio Interface Requirement will apply to grants of Recognised Spectrum Access (RSA) and to Converted Spectrum Access (CSA) licences in the specified bands.
- 1.5 This UK Radio Interface Requirement will be revised as necessary to follow changes to the available spectrum allocated for RSA and CSA licences in the specified bands covered by this Interface Requirement.
- 1.6 All UK Radio Interface Requirements notified under Directive 2015/1535/EU will be published and will be made available free of charge from the Ofcom website at <http://www.ofcom.org.uk>.
- 1.7 Further information on this UK Radio Interface Requirement can be obtained from the technical enquiry contact given at the back of this document.

Section 2

Minimum requirements for operation within the UK

- 2.1 The minimum requirements in this document are imposed for reasons related to the effective and appropriate use of the radio spectrum.
- 2.2 This UK Radio Interface Requirement gives a high level description of the requirements to be met by apparatus operating in spectrum in the UK that is held in the form of RSA and CSA licences in the specified bands and forms part of the conditions applying to grants of RSA and CSA licences in those bands. It does not prescribe technical interpretation of the 'essential requirements' of Directive 2014/53/EU.
- 2.3 This UK Radio Interface Requirement stipulates the necessary usage parameters for grants of RSA and CSA licences in the specified bands in the UK. Table 1.0 contains the relevant usage parameters. These together with the 'essential requirements' detailed in Article 3.2 of Directive 2014/53/EU constitute the minimum requirements for grants of RSA and CSA licences.
- 2.4 The frequencies to which this Radio Interface Requirement applies are currently used in the UK by the Emergency Services and Crown Bodies.
- 2.5 RSA is a form of spectrum holding that is suitable for spectrum holdings that cannot be licensed and can be made tradeable.² CSA licences are granted to commercial bodies that acquire spectrum rights from a holder of RSA.

² <http://www.ofcom.org.uk/consult/condocs/sfrps/sfrps.pdf>

Table 1.0: Minimum requirements for the use of radio equipment operating in the 410-412MHz to 420-422MHz band

Mandatory (1-9)		
1	Frequency band (or bands)	410-412 MHz 420-422 MHz
2	Radio service	Any
3	Application	Any
4	Channelling modulation	Any
5	Maximum transmit power limit	The maximum EIRP within the lower frequency band shall be 42 dBm The maximum EIRP within the upper frequency band shall be 56 dBm
6	Channel occupation rules	N/A
7	Duplex type/separation	N/A
8	Licensing Regime	Authorisation required through Ofcom
9	Additional essential requirements	N/A
Informative (10-13)		
10	Frequency planning assumptions	N/A
11	Reference	N/A
12	Remarks	
13	Notification Number	2008/447/UK

Section 3

Contact Details

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Section 4

Document History

Version	Date	Changes
V0.1	October 2008	Draft document published
V1.0	January 2009	Document published
V2.0	January 2018	Replaced R&TTE Directive 1999/5/EC and Directive 98/34/EC with Radio Equipment Directive 2014/53/EU and Directive (EU) 2015/1535 respectively. Minor editorials