

UK Interface Requirement 2071

Spectrum Access in the band 2010 to 2025 MHz

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Section 1

References

- 1.1 CEPT Report 19: Report from CEPT to the European Commission in response to the Mandate to develop least restrictive technical conditions for frequency bands addressed in the context of WAPECS
- 1.2 ECC/DEC/(06)01: ECC Decision of 24 March 2006 on the harmonised utilisation of spectrum for terrestrial IMT-2000/UMTS systems operating within the bands 1900 - 1980 MHz, 2010 - 2025 MHz and 2110 - 2170 MHz

Section 2

Foreword

- 2.1 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 requirements for the licensing and use of radio equipment in the specified frequency bands.
- 2.2 Nothing in this UK Radio Interface Requirement shall preclude the need for equipment to comply with Directive 2014/53/EU.
- 2.3 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, in order to be installed or used in the UK, the equipment must meet the minimum requirements specified in this UK Interface Requirement for the stated equipment types and for the stated frequency bands. Nothing in this UK 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.
- 2.4 The requirements given in the main body of this UK Radio Interface Requirement will apply to the licensing of radio equipment in the band 2010 to 2025 MHz.
- 2.5 This UK Radio Interface Requirement will be revised as necessary, for example to follow:
 - i) current technology developments for reasons related to the effective and appropriate use of the spectrum in particular maximising spectrum utilisation; and
 - ii) changes to the available spectrum allocated for spectrum access in the band 2010 to 2025 MHz.
- 2.6 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 web-site at <http://www.ofcom.org.uk>.
- 2.7 Further information on this UK Radio Interface Requirement can be obtained from the technical enquiry contact given at the back of this document.

Section 3

Minimum requirements for operation within the UK

- 3.1 The minimum requirements in this document are made for reasons related to the effective and appropriate use of the radio spectrum, in particular maximising spectrum utilisation.
- 3.2 This UK Radio Interface Requirement gives a high level description of how the spectrum in the UK is used for spectrum access in the band 2010 to 2025 MHz. It does not prescribe technical interpretation of the 'essential requirements' of Directive 2014/53/EU.
- 3.3 This UK Radio Interface Requirement therefore stipulates the necessary technical parameters for the licensing of radio equipment in the band 2010 to 2025 MHz in the UK. Table 3.1 contains the relevant technical parameters. These taken together with the 'essential requirements' detailed in Article 3.2 of Directive 2014/53/EU constitute the minimum requirements for the authorisation and use of radio equipment in the band 2010 to 2025 MHz within the UK. Nothing in this UK 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.
- 3.4 The technical parameters specified in the UK Radio Interface Requirement are applied to achieve the desired level of compatibility within the band 2010 to 2025 MHz and with other radiocommunications services, whilst promoting enterprise, innovation and competition.
- 3.5 This UK Radio Interface requirement provides the necessary technical information which facilitates access to the 2010 to 2025 MHz spectrum by making clear the assumptions that are made in planning the use of the relevant spectrum in the UK. It is not the intention of this UK Radio Interface Requirement to duplicate or impose any additional 'essential requirements' of the Directive 2014/53/EU on products. Any specified parameters within this document are for the purpose of identifying product options and not as a national de facto product requirement.

Table 3.1: Minimum requirements for the use of: Radio equipment operating in the 2010 to 2025 MHz band

Mandatory (1-9)		
1	Frequency / Bands	2010 to 2025 MHz
2	Radio service	Any
3	Application	Spectrum access
4	Channelling / modulation	Not specified
5	Maximum transmit power limit	<p>Downlink (base, central or broadcasting station)</p> <p>61dBm/5 MHz EIRP</p> <p>Uplink (terminal or user station)</p> <p>Fixed/installed station: 35dBm/5 MHz EIRP</p> <p>Mobile/nomadic station: 31dBm/5 MHz Total Radiated Power</p>
6	Channel occupation rules	Not specified
7	Duplex type / separation	Not specified
8	Licensing Regime	<p>WT Act licence required for base, central or broadcasting stations, and repeaters.</p> <p>Terminal or user stations operating in accordance with the minimum requirements outlined in this Interface Requirement may be exempt from licensing provided that they fall within the scope of the relevant exemption regulations.</p> <p>WT Act licence required for terminal or user stations not falling within the scope of the relevant exemption regulations.</p>
9	Additional essential requirements	None
Informative (10-13)		
10	Frequency planning assumptions	-
11	Reference	-
12	Remarks	-
13	Notification Number	2008/0052/UK

Section 4

Additional performance parameters

(informative)

None specified

Section 5

Contact details

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Section 6

Document history

Version	Date	Changes
1.0	Feb 2008	Draft Published
1.1	July 2008	Final version published
1.2	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