

UK Interface Requirement 2023

**Transmitters and Receivers in the MF/HF Bands for use
at Coast Stations in the Maritime Mobile Service**

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Section 1

References

- 1.1 EN 300 373 - Electromagnetic compatibility and Radio spectrum Matters (ERM); Maritime mobile transmitters and receivers for use in the MF and HF bands.
- 1.2 EN 300 338 - Radio Equipment and Systems (RES); Technical characteristics and methods of measurement for equipment for generation, transmission and reception of Digital Selective Calling (DSC) in the maritime MF, MF/HF and/or VHF mobile service.
- 1.3 EN 300 067 - Radio Equipment and Systems; Radiotelex equipment operating in the maritime MF/HF service; Technical characteristics and methods of measurement.

Section 2

Foreword

- 2.1 The Radio Equipment and Telecommunications Terminal Equipment Directive 99/5/EC (R&TTE Directive) was implemented in the United Kingdom (UK) on the 8 April 2000 by The Radio Equipment and Telecommunications Terminal Equipment Regulations 2000, Statutory Instrument 2000 No. 730. In accordance with Articles 4.1 and 7.2 of Directive 1999/5/EC, this UK Interface Requirement contains the requirements for the licensing and use of transmitters and receivers in the MF/HF bands for use at Coast stations in the maritime mobile service in the specified frequency bands.
- 2.2 Nothing in this UK Radio Interface Requirement shall preclude the need for equipment to comply with Directive 1999/5/EC.
- 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 the equipment must meet the minimum requirements specified in this UK Interface Requirement for the stated equipment types and for the stated frequency bands.
- 2.4 The requirements given in the main body of this UK Radio Interface Requirement will apply to the licensing of transmitters and receivers in the MF/HF bands for use at Coast stations in the maritime mobile service.
- 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 licensing of transmitters and receivers in the MF/HF bands for use at Coast stations in the maritime mobile service.
- 2.6 All UK Radio Interface Requirements notified under Directive 1998/34/EC 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 equipment 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 the licensing of transmitters and receivers in the MF/HF bands for use at Coast stations in the maritime mobile service. It does not prescribe technical interpretation of the 'essential requirements' of Directive 1999/5/EC.
- 3.3 This UK Radio Interface Requirement therefore stipulates the necessary equipment parameters for the licensing of transmitters and receivers in the MF/HF bands for use at Coast stations in the maritime mobile service in the UK. Table 3.1 contains the relevant equipment parameters. These together with the 'essential requirements' detailed in Article 3.2 of Directive 1999/5/EC constitute the minimum equipment requirements for MF/HF transmitters and receivers in the MF/HF bands for use at coast stations in the maritime mobile service within the UK.
- 3.4 The technical parameters specified in the UK Radio Interface Requirement are applied to achieve the desired level of compatibility within the MF/HF transmitters and receivers in the MF/HF bands for use at coast stations in the maritime mobile service 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 MF/HF transmitters and receivers in the MF/HF bands for use at coast stations in the maritime mobile service spectrum by making clear the assumptions that are made in planning the use of the MF/HF transmitters and receivers in the MF/HF bands for use at coast stations in the maritime mobile service 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 1999/5/EC 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 equipment requirements for transmitters and receivers in the MF/HF bands for use at coast stations in the maritime mobile service

1	Frequency band (or bands)	415-27500 kHz (see 9 below)
2	Radio service	Maritime Mobile
3	Application	Coastal Station Radio
4	Channelling modulation	A1A, A1B, A2A, A2B, H2A, H2B, F1B, J2B, J2D (see 9 below)
5	Maximum transmit power limit	See 9 below
6	Channel occupation rules	N/A
7	Duplex type/separation	N/A
8	Licensing Regime	Coastal Station Radio licence
9	Additional essential requirements	The channel plan, parameters, classes of emission and operation must be in accordance with the relevant sections of the ITU Radio Regulations Articles 5, 19, 30-34, 50-58, Appendices 13-15, Appendix 17 and Appendix 25. Channels not licensed shall be disabled. It shall not be possible for the operator to unblock disabled channels
10	Frequency planning assumptions	N/A
11	Reference	EN 300 373, EN 300 338 and EN 300 067
12	Remarks	N/A
13	Notification Number	2000/248/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	15 Dec 2000	Published
2.0	21 Jul 2005	Rebranded to Ofcom format