



IR 2085 - UK Interface Requirement 2085

London 2012 Games Tetra Network (Apollo)

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References

- EN 301 166-2 Electromagnetic compatibility and Radio spectrum Matters (ERM); Land Mobile Service; Radio equipment for analogue and/or digital communication (speech and/or data) and operating on narrow-band channels and having an antenna connector; Part 2
Harmonised EN covering essential requirements of article 3.2 of the R&TTE Directive
- EN 300 086-2 Electromagnetic compatibility and Radio spectrum Matters (ERM); Land Mobile Service; Radio equipment with an internal or external RF connector intended primarily for analogue speech; Part 2:
Harmonised EN covering essential requirements under article 3.2 of the R&TTE Directive
- EN 300 113-2 Electromagnetic compatibility and Radio spectrum Matters (ERM); Land mobile service; Radio equipment intended for the transmission of data (and/or speech) using constant or non constant envelope modulation and having an antenna connector; Part 2: Harmonised EN covering essential requirements of article 3.2 of the R&TTE Directive
- EN 300 219-2 Electromagnetic compatibility and Radio spectrum Matters (ERM); Land Mobile Service; Radio equipment transmitting signals to initiate a specific response in the receiver; Part 2: Harmonised EN covering essential requirements under article 3.2 of the R&TTE Directive
- EN 300 296-2 Electromagnetic compatibility and Radio spectrum Matters (ERM); Land Mobile Service; Radio equipment using integral antennas intended primarily for analogue speech; Part 2: Harmonised EN covering essential requirements under article 3.2 of the R&TTE Directive
- EN 300 341-2 Electromagnetic compatibility and Radio spectrum Matters (ERM); Land Mobile service (RP 02); Radio equipment using an integral antenna transmitting signals to initiate a specific response in the receiver; Part 2: Harmonised EN under article 3.2 of the R&TTE Directive
- EN 300 390-2 Electromagnetic compatibility and Radio spectrum Matters (ERM); Land Mobile Service; Radio equipment intended for the transmission of data (and speech) and using an integral antenna; Part 2: Harmonised EN covering essential requirements under article 3.2 of the R&TTE Directive

1. Foreword

- 1.1 The Radio Equipment and Telecommunications Terminal Equipment Directive 1999/5/EC (R&TTE Directive) was implemented in the United Kingdom (UK) on 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 licence exemption of mobile terminal stations connecting to the London 2012 Games Tetra (Apollo) network in the specified frequency bands.
- 1.2 Nothing in this UK Radio Interface Requirement shall preclude the need for equipment to comply with Directive 1999/5/EC.
- 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 equipment must meet the minimum requirements specified in this UK Interface Requirement.
- 1.4 The requirements given in the main body of this UK Radio Interface Requirement will apply to the licence exemption of mobile terminal stations connecting to the London 2012 Games Tetra (Apollo) network.
- 1.5 This UK Radio Interface Requirement will be revised as necessary to follow changes to the available spectrum allocated for mobile terminal stations connecting to the London 2012 Games Tetra (Apollo) network.
- 1.6 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 website at www.ofcom.org.uk.
- 1.7 Further information on this UK Radio Interface Requirement can be obtained from the technical enquiry contact given on the back of this document.

2. Minimum requirements for operation within the UK

- 2.1 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.
- 2.2 This UK Radio Interface Requirement gives a high level description of how the spectrum in the UK is used for mobile terminal stations connecting to the London 2012 Games Tetra (Apollo) network. It does not prescribe technical interpretation of the 'essential requirements' of Directive 1999/5/EC.
- 2.3 This UK Radio Interface Requirement stipulates the necessary equipment parameters for the license exempt use of licence exemption of mobile terminal stations connecting to the London 2012 Games Tetra (Apollo) network. 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 mobile terminal stations connecting to the London 2012 Games Tetra (Apollo) network.
- 2.4 The technical parameters specified in the UK Radio Interface Requirement are applied for use by mobile terminal stations connecting to the London 2012 Games Tetra (Apollo) network.
- 2.5 This UK Radio Interface Requirement gives the necessary technical information which allows access to mobile terminal stations connecting to the London 2012 Games Tetra (Apollo) network spectrum.

3. Minimum requirements

Minimum requirements for: Mobile Terminal Stations connecting to the London 2012 Games Tetra Network (Apollo) Network operating in the 385 MHz to 399.9 MHz band		
Mandatory (1-10)		
1	Frequency band	385 MHz to 399.9 MHz
2	Radiocommunication Service	Mobile
3	Application	Tetra
4	Channelling	n/a
5	Modulation / Occupied bandwidth	n/a
6	Direction? / Separation	n/a
7	Maximum in-block power spectral density	42 dBm / 25 kHz e.i.r.p.
8	Channel access and occupation rules	n/a
9	Authorisation regime	Licence exempt
10	Additional essential requirements	n/a
Informative (11-13)		
11	Frequency planning assumptions	n/a
12	Planned changes	n/a
13	Reference	EN 301 166-2, EN 300 086-2, EN 300, EN 113-2, EN 300 219-2, EN 300 296-2, EN 300 341-2, EN 300 390-2
14	Notification number	2011/191/UK
15	Remarks	n/a

Section 4

Contact details

Ofcom, Riverside House, 2a Southwark Bridge Road, London, SE1 9HA

Technical enquiries to Ofcom Business Radio

Tel: 020 7981 3000

Fax: 020 7981 3333

Email: businessradio@ofcom.org.uk

Website: <http://www.ofcom.org.uk/radiocomms/>

Section 5

Document History

Version	Date	Changes
Draft V1.0	7/4/2011	Draft Published
V1	12/2012	Published