

RF Spectrum at the Olympics



Ofcom's plan for London 2012

- Ofcom is responsible for managing civilian use of the radio spectrum.
- On 19 Oct 2009 Ofcom published a statement setting out a spectrum plan for wireless communication at the London 2012 Olympics
- A detailed update to the plan was published on 18 Oct 2010.
- The final version is expected to be published in early 2012.



Spectrum Plan

2.6 GHz Band

- Proposal to reserve this spectrum for the use of wireless cameras and similar technologies.

1980-2010/2170-2200 MHz

- These bands used for earth-to-space and space-to-earth satellite service links.
- This band could provide useful additional capacity for the use of wireless cameras.
- Negotiations currently active with commercial organisations for access to spectrum.

Applications that will be effected

Wireless Cameras – Most significant progress taken place regarding spectrum available for this technology. The MOD, CAA and MCA have agreed for access to spectrum in the range 2700-3100 MHz and 3400-3600 MHz.

Private Mobile Radio, Talkback and Telemetry – Most of the demand to be met by the network being built and operated by Airwave Solutions Ltd. Rest of the demand to be met by PMR, Talkback and Telemetry spectrum.

Wireless microphones and in-ear monitors - Most equipment will operate in UHF bands VI and V (470-862 MHz, channels 21-69). The 800 MHz available as a result of the digital switchover will be available for the Olympics.

Satellite News gathering – Proposals have been made for additional bands to be made available for Transportable Earth Station (TES) satellite uplinks in the “C band” and the “Ka band”.

To add to all that **venue specific plans** have also been proposed depending on the complexity presented by the venue.

How can we help ?

- All wireless equipment must be CE marked and compliant with the R&TTE directive to ensure that it uses the spectrum efficiently.
- All wireless equipment will also need to comply with the EMC Directive and the Low Voltage Directive regardless of its voltage.

We at RN Electronics can ensure that your product meets the latest radio, safety and EMC requirements to comply with relevant directive. We can also ensure that the product meets the radio spectrum requirements set by Ofcom for the London 2012 Olympics. Existing equipment that is already CE marked can be checked for compliance over extended frequency bands.

Contact Paul Darragh – email: sales@rnelectronics.com Tel: 01277 352219
RN Electronics, Arnolds Court, Arnolds Farm Lane, Mountnessing, CM13 1UT