

For Immediate Release

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Transfinite wins in Ofcom Auction

Transfinite Systems today announce they have won the licence to manage the 28 GHz sub-national 1 band. This licence was auctioned by Ofcom along with other parts of the 10, 28, 32, and 40 GHz band.

Transfinite intend to use the licence to operate as a SMO or Spectrum Management Organisation, on behalf of prospective users of the spectrum. The frequencies in the licence that Transfinite won are ideal for a number of applications including:

- Backhaul – point to point or multi-point links for telecommunication operators
- Infrastructure – connecting sites together with high data rate pipes
- Earth stations – providing access to satellite services

The most important task for spectrum managers is to ensure that these links are protected from interference. Transfinite are experts in the technical skills and software implementation needed to undertake these tasks.

Transfinite have developed software that allows those wanting access to the radio spectrum to submit their requests via an internet based server application, Visualyse Spectrum Manager. This is an integrated, comprehensive, low-cost, and easy to use software tool for the management blocks of radio spectrum. It includes:

- Easy submission of application for links via a user interface that adapts to each link type
- On-line technical analysis to check for interference and identify suitable parameters to use (such as transmit power and frequency)
- Generic methodology that can apply the same interference engine to all types of links
- Sophisticated technology based on .NET and SQL server to manage the link approval process

The block won by Transfinite includes 2 x 112 MHz of spectrum at 28 GHz on a regional basis, covering an estimated 50% of the UK's population as shown in the figure below.



About Transfinite Systems Ltd

Transfinite Systems Ltd are a UK based SME that specialises in software and consultancy for management of the radio spectrum.

Transfinite develop and market a range of Commercial Off The Shelf (COTS) software products including:

- Visualyse Professional – a generic study tool to undertake interference analysis between a wide range of radio services including terrestrial and satellite
- Visualyse GSO – to support the coordination of GSO satellite networks during coordination trigger and detailed coordination stages
- Visualyse Coordinate – to support the coordination of satellite earth stations with terrestrial services such as Fixed Service
- Visualyse Spectrum Manager – to manage blocks of spectrum and undertake planning and interference assessment as part of licensing system

Transfinite provide full support for all products including customisation, training, support, and maintenance to a world-wide customer base.

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