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Site 35755

Town: Burbage

Date Prepared: 23/03/09

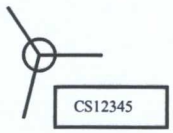
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KEY TO COVERAGE PLOTS

The enclosed radio propagation plots are based on Ordnance Survey geographical information.

The level of coverage provided by a particular site is dependant on a number of variables. The main factors which determine the extent of coverage are: the frequency of the signal emitted, the height of the antenna above ground level, the characteristics of the surrounding topography and the type and occurrence of ground clutter such as buildings and trees which can cause 'shadows' or reflections and can absorb the signal.

Vodafone's Radio Engineers have produced accurate visual representations of the level of coverage available in this particular area by using advanced computer modelling software based on a Geographical Information System. The programme takes the numerous variables as above into account and can then calculate and plot the strength of the signal.
Existing and proposed sites are indicated by a circle with site number. The orientation of the antennas is shown by the lines.



Existing Site - lines show orientation of antennas

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Key for 3G plots

Magenta	Sufficient signal strength to provide adequate service for indoor use of a hand portable mobile in dense urban areas, such as major cities and large industrial areas.	Dense Urban
Orange	Sufficient signal strength to provide adequate service for indoor use of a hand portable mobile in urban areas, for example dense residential and industrial areas.	Urban
Red	Sufficient signal strength to provide adequate service for indoor use of a hand portable mobile in suburban areas or on a train.	Suburban
Green	Sufficient signal strength to provide adequate service for use of a hand portable mobile in a car	In Car
Yellow	Sufficient signal strength to provide adequate service for outdoor use of a hand portable mobile.	Outdoor
No Colour	Insufficient signal strength to provide reliable service.	No Coverage

Key for GSM (2G) Plots

Orange	Sufficient signal strength to provide adequate service for indoor use of a hand portable mobile in urban areas.	Urban
Red	Sufficient signal strength to provide adequate service for indoor use of a hand portable mobile in suburban areas	Suburban
Green	Sufficient signal strength to provide adequate service for use of a hand portable mobile in a car	In Car
Yellow	Sufficient signal strength to provide adequate service for outdoor use of a hand portable mobile.	Outdoor
No Colour	Insufficient signal strength to provide reliable service.	No Coverage

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Site 35755 map

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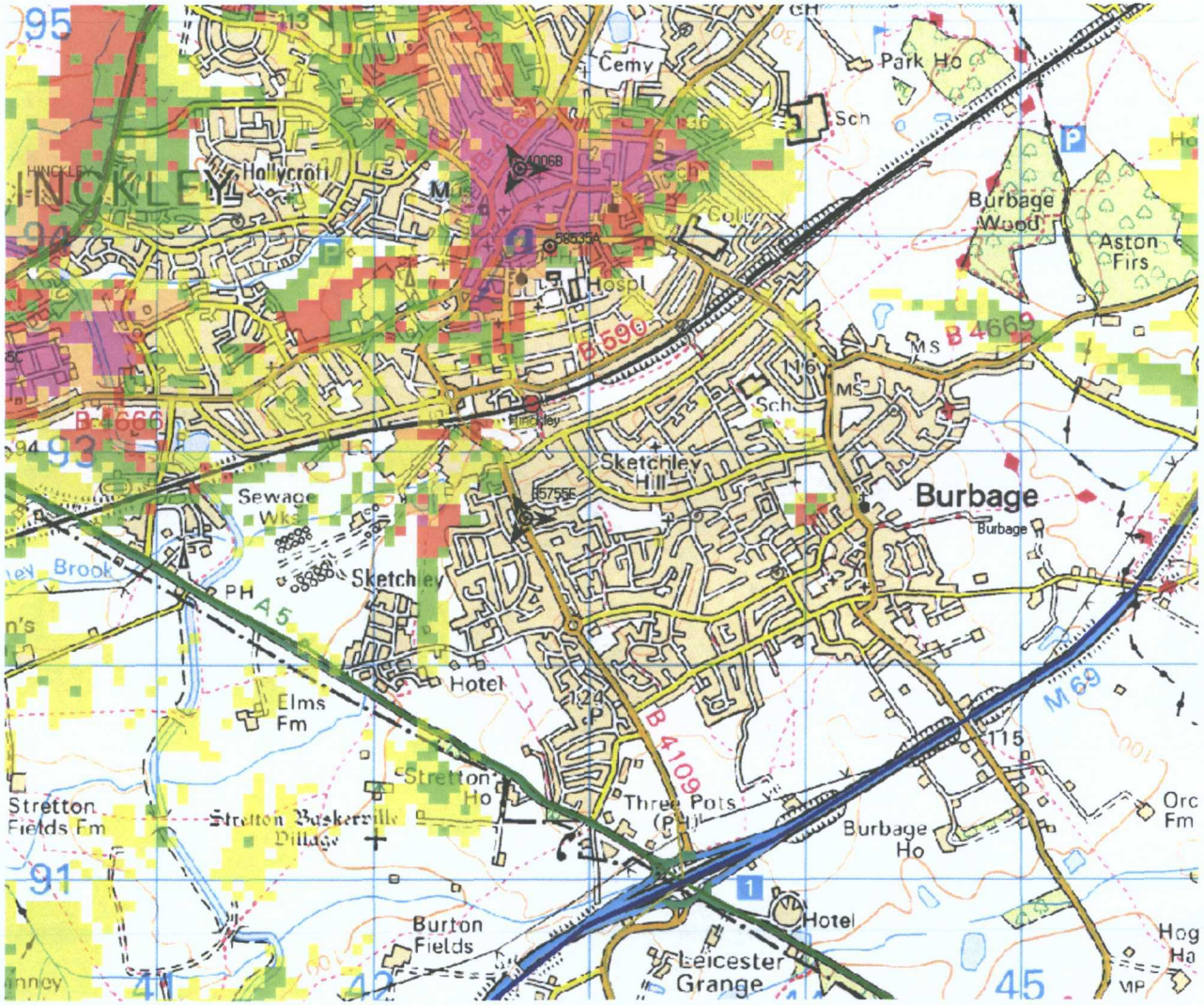


Plot 1 – Site 35755E area (Site NGRs: 442710, 292680).
Date Prepared: 23/03/09

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3G existing coverage

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3G Coverage by signal level
- Dense Urban
- Urban
- Suburban
- In Car
- Outdoor

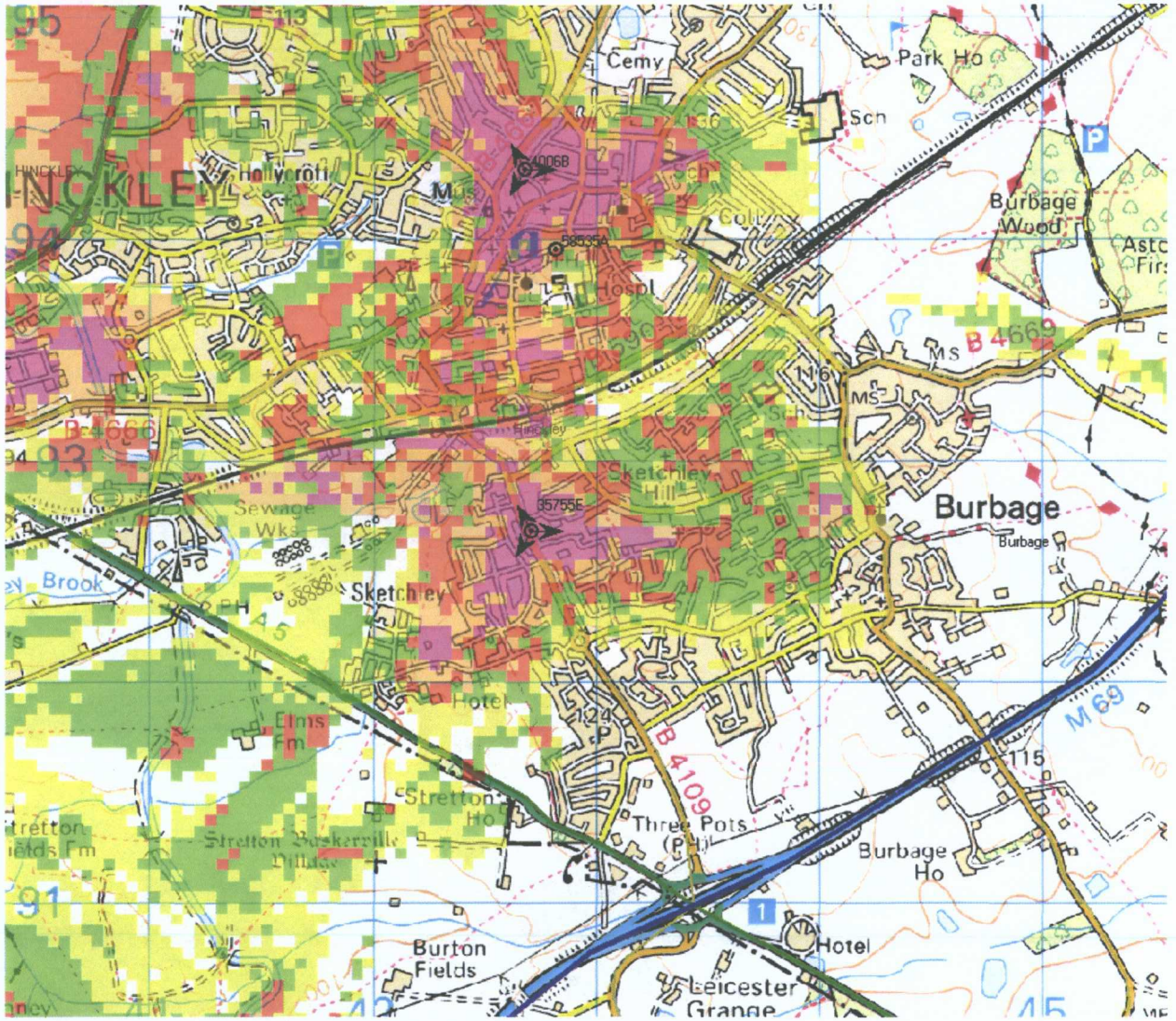
Plot 2 - 3G existing coverage without site 35755.
Date Prepared: 23/03/09

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3G existing coverage including site 35755

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3G Coverage by signal level
- Dense Urban
- Urban
- Suburban
- In Car
- Outdoor

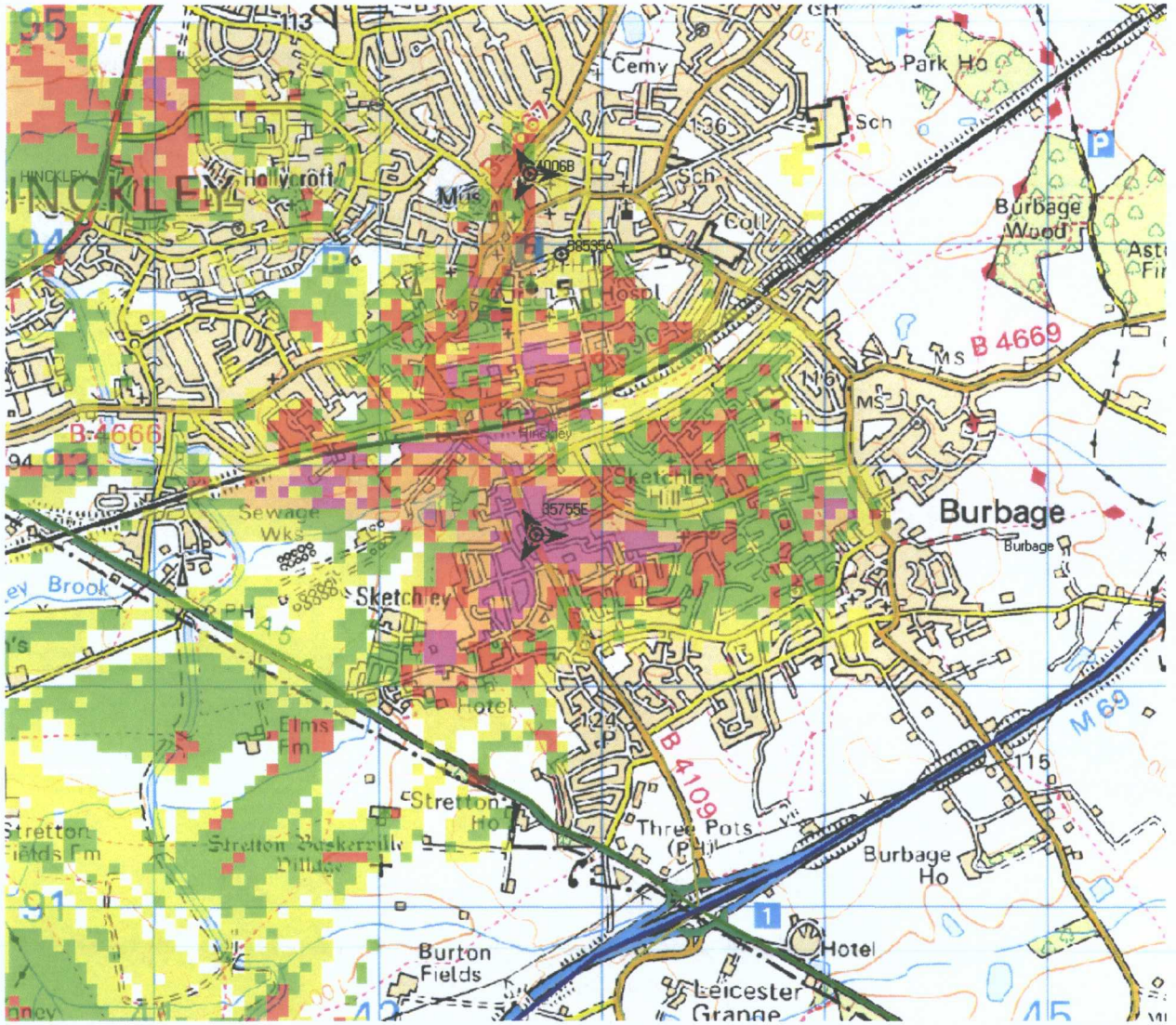
Plot 3 - 3G existing coverage including site 35755.
Date Prepared: 23/03/09

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Site 35755 coverage

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3G Coverage by signal level
- Dense Urban
- Urban
- Suburban
- In Car
- Outdoor

Plot 4 – Coverage of single site 35755.
Date Prepared: 23/03/09

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