

3G COVERAGE PLOTS

Date Created: 07 June 2006

T-Mobile Cell Id: 50687
T-Mobile Site Name: CHURCH OF ST MARY'S SOUTH RUISLIP

Purpose of Site

The site is required to provide a high level of 3G coverage and a high grade of service to the South Ruislip area. In order to provide coverage at commercial and residential indoor levels, the populated areas should be coloured magenta and green respectively.

Plot ref. 40555 – Coverage from existing and planned sites without 50687 CHURCH OF ST MARY'S SOUTH RUISLIP

The plot shows the coverage from existing and planned sites where planning permission has been approved or submitted. The coverage does not include cell 50687 CHURCH OF ST MARY'S SOUTH RUISLIP or any sites where planning permission has not yet been submitted. The plot shows that the local area of South Ruislip is not adequately covered to commercial and residential indoor signal levels.

Plot ref. 40556 – Coverage from 50687 CHURCH OF ST MARY'S SOUTH RUISLIP in isolation

The plot shows the coverage provided from cell 50687 CHURCH OF ST MARY'S SOUTH RUISLIP in isolation at an assumed transmission height of 17m. The plot shows that the site provides commercial and residential indoor signal levels to the local area of South Ruislip.

Plot ref. 40557 – Coverage from 50687 CHURCH OF ST MARY'S SOUTH RUISLIP and surrounding sites

The plot shows the coverage from 50687 CHURCH OF ST MARY'S SOUTH RUISLIP and surrounding sites where planning permission has been approved or submitted. This plot shows the improvement in coverage that this site brings to the area of South Ruislip when compared to plot ref. 40555.

KEY TO COVERAGE PLOTS

3G stands for third generation mobile services and is also known as UMTS (Universal Mobile Telecommunications System). Analogue Mobile was the first generation of mobile communications (1G), and was soon followed by GSM (Global System for Mobile Communications) or 2G and GPRS (General Packet Radio Service) or 2.5G. UMTS represents an evolution from today's 'second generation', offering a platform for faster data speeds, therefore enabling more efficient services. The T-Mobile 3G network to be made available to customers will allow internet browsing, music, video, and a host of other services, to be delivered on demand to their mobiles.

The plots submitted are a geographical representation of the predicted service level coverage. This is a result of simulation software that predicts the coverage through advanced modelling and calculations. The main factors which affect the calculations are, the power and the frequency of the signal emitted, the height of the antenna, the topography and traffic forecast of the area and the ground clutter such as buildings. However, T-Mobile UK's predictor is unable to account for local tree heights and road/railway cuttings. These cause further attenuation of the signal.

Predicted Coverage Levels Shown On Plots

Coloured bands depict service levels. In the enclosed plot the colours represent different service levels as follows:

	Sufficient signal strength to provide indoor service for Urban or Commercial areas.	Urban and Commercial level of coverage
	Sufficient signal strength to provide indoor service for Suburban and Residential areas.	Suburban and Residential level of coverage
	Sufficient signal strength to provide only Outdoor service	Outdoor level of coverage

Location of Existing and Planned Sites are Indicated by a Circle and Site Name

	In-Service sites or sites where planning permission has been submitted/approved
	Nominal sites or planned sites where planning permission has not yet been submitted. Nominal sites are ideal location where an area will be searched to find suitable sites. It does not indicate a definite location where a site will be built. A planned site however already has its exact location identified.

Existing and Planned Sites shown on Plots

Cell Id	Northing	Easting	Site Name	Notes
50685	184683	510977	LAND OPPOSITE GAA SPORTS GROUND	Planning permission pending
50686	185570	510020	NTI NORTHOLT	Application to be submitted
50687	185754	511419	CHURCH OF ST MARY'S SOUTH RUISLIP	Site being justified in these plots
50688	186302	512076	FIELD END ROAD SW	Application to be submitted
50793	186771	512544	NOMINAL SITE FOR 50793	New site being investigated
50795	183838	512662	WESTERN AVE DNS (A40 SLIP)	Site already exists
50826	187586	513873	SHALTSBURY AVE SW	Site already exists
50848	184863	513964	GRIFFORD NATS TOWER	Planning permission approved
60099	187441	513022	464 - 472 ALEXANDRA AVENUE	Planning permission pending
60751	187749	512232	BT SPEC PINNER ATE (PINNER A)	Site already exists
60916	184793	512494	DUMMY SURVEY SITE FOR 60916	New site being investigated
70282	185550	512226	COLUMBUS	Site already exists
90206	185200	513400	CHURCHILL COURT	Site already exists
90677	186850	509825	RUISLIP MANOR FC	Site already exists
98209	185670	510720	HEATHLINE	Site already exists
98257	187568	511149	FERRARI HOUSE	Site already exists
98260	187489	509096	RUISLIP TELEPHONE EXCHANGE	Site already exists