

# Cornerstone : Supporting Technical Information for O<sub>2</sub> & Vodafone : -

Charing Cross

O<sub>2</sub> Site – 65977

3G Coverage & Capacity

COPY 

Date Prepared: 15/05/2012



2012/3398/P







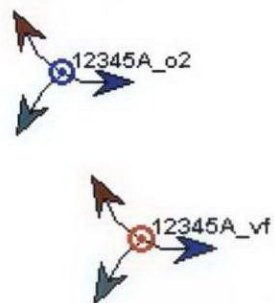
# KEY TO COVERAGE PLOTS

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.

The Radio Planners 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 blue or red circle and dot with the site number. **Blue** represents **O<sub>2</sub>** and **red** represents **Vodafone**. The orientation of the antennas is shown by the arrows.



Site arrows show orientation of antennas

Note on large rooftop sites the antenna can be distributed in different locations from the site location. This is represented by a line extending outwards from the site to the antenna.

## Key for GSM (2G) Plots

Orange	Sufficient signal strength to provide adequate service for indoor use of a hand portable mobile in urban areas.	Indoor Urban
Blue	Sufficient signal strength to provide adequate service for indoor use of a hand portable mobile in suburban areas	Indoor 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 UMTS (3G) Plots

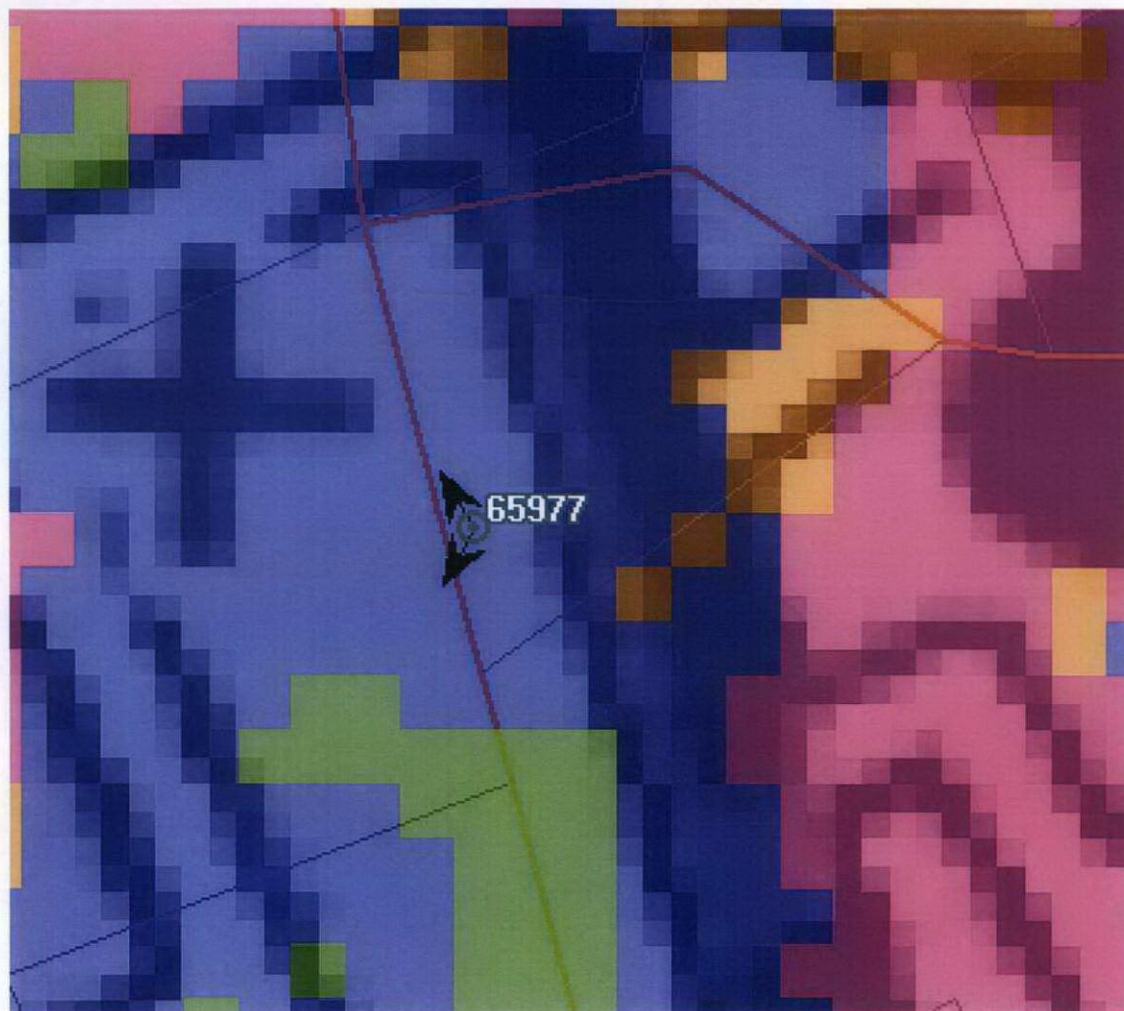
Pink	Sufficient signal strength to provide adequate service for indoor use of a hand portable mobile in urban areas.	Indoor Dense Urban
Orange	Sufficient signal strength to provide adequate service for indoor use of a hand portable mobile in suburban areas	Indoor Urban
Blue	Sufficient signal strength to provide adequate service for indoor use of a hand portable mobile in suburban areas	Indoor 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







## O<sub>2</sub> - Existing UMTS (3G) Coverage



3G Coverage by Signal	
	Dense Urban
	Urban
	Suburban
	In Car
	Outdoor

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This coverage plan must be read in conjunction with the key and site specific supplementary information. Each colour block represents 10 metres square.

O2 65977





## O<sub>2</sub> - Proposed UMTS (3G) Coverage

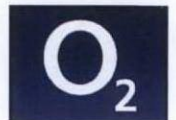


3G Coverage by Signal	
	Dense Urban
	Urban
	Suburban
	In Car
	Outdoor

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This coverage plan must be read in conjunction with the key and site specific supplementary information. Each colour block represents 10 metres square.

O2 65977





Our Ref: JL/O2-65977

London Underground Ltd  
55 Broadway  
London  
SW1H 0BD

2012/3398/P

  
**COPY**

19<sup>th</sup> June 2012

VIA SPECIAL DELIVERY

Dear Sir,

**STATUTORY PLANNING NOTICE: TELEFÓNICA UK LTD - PROPOSED  
TELECOMMUNICATIONS BASE STATION AT CSID-227542, 02-65977 LOCATED ON  
PAVEMENT VERGE ADJACENT TO CHARING CROSS ROAD, CAMDEN, LONDON, WC2H  
8NA. (NGR: 529854, 181257)**

We are required to notify you under Article 11 of Applications for Planning Permission, as the department that owns the above land, that an application for Full Planning Permission is about to be submitted to the local planning authority regarding proposed telecommunications equipment.

Accordingly, please find attached a Notice Under Article 11, outlining the details of the application and how you may contact the local planning authority if you desire.

If you require any further information regarding this proposal, please do not hesitate to contact me.

Yours Sincerely,



James Lawson  
Waldon Telecom Ltd

James.lawson@waldontelecom.com

(for and on behalf of Telefónica UK Ltd as a duly authorised agent of Clarke Telecom)

Enc. Notice under Article 11 of Application for Planning Permission  
Drawings  
Cc: Transport For London



Waldon Telecom Ltd  
Phoenix House  
Pyrford Road  
West Byfleet  
Surrey  
KT14 6RA

Telephone  
01932 411011

Fax  
01932 411012

E-mail  
enq@waldontelecom.com

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Registered in UK  
No: 3651880  
VAT Registration  
No: 709 2762 24

Registered Office:  
Phoenix House  
Pyrford Road  
West Byfleet  
Surrey  
KT14 6RA



**Town and Country Planning (Development Management Procedure)  
(England) Order 2010**

**NOTICE UNDER ARTICLE 11 OF APPLICATION FOR PLANNING  
PERMISSION**

*(to be published in a newspaper, and, where relevant, on a website or to be  
served on an owner\* or a tenant\*\*)*

**Proposed development at**<sup>(a)</sup> Pavement verge adjacent to Charing Cross Road,  
Camden, London, WC2H 8NA, NGR: 529854, 181257

**I give notice that**<sup>(b)</sup> Telefonica UK Ltd

is applying to the<sup>(c)</sup> The London Borough of Camden

Council

**for planning permission to**<sup>(d)</sup> Install 1no 8 metre high street furniture design  
telecommunications monopole with 1no equipment cabinet at ground level with  
development ancillary thereto located upon pavement verge adjacent to Charing  
Cross Road, Camden, London WC2H 8NA.

Any owner\* of the land or tenant\*\* who wishes to make representations about  
this application should write to the Council at<sup>(e)</sup> London Borough of Camden,  
Development Management, Planning Services, Town Hall, Argyle Street, London, WC1H  
8ND during usual office hours.

by<sup>(f)</sup> 9<sup>th</sup> July 2012

"owner" means a person having a freehold interest or a leasehold interest the unexpired term of  
which is not less than seven years, or, in the case of development consisting of the winning or  
working of minerals, a person entitled to an interest in a mineral in the land (other than oil, gas,  
coal, gold or silver).

\*\* "tenant" means a tenant of an agricultural holding any part of which is comprised in the land.

Signed 

Waldon Telecom

† On behalf of Telefonica UK Ltd

Date 19<sup>th</sup> June 2012

**Statement of owners' rights**

The grant of planning permission does not affect owners' rights to retain or dispose of their  
property, unless there is some provision to the contrary in an agreement or in a lease.

**Statement of agricultural tenants' rights**

The grant of planning permission for non-agricultural development may affect agricultural  
tenants' security of tenure.

Insert: <sup>(a)</sup>address or location of the proposed development; <sup>(b)</sup>applicant's name; <sup>(c)</sup>name of Council; <sup>(d)</sup>description of the  
proposed development; <sup>(e)</sup>address of the Council; <sup>(f)</sup>date giving a period of 21 days beginning with the date of service, or  
14 days beginning with the date of publication, of the notice (as the case may be)