

Supplementary Information Form

1. Site Details	
Site Name	Land off Pilkington Way
Site Address	Land off Pilkington Way, Outwood Gate, Radcliffe, Bury, M26 1LD
NGR	SD 78500 06700
Site Number Ref	BRY19828
Site Type¹	Macro

2. Pre-Application Check List		
Site selection		
Was a local planning authority mast register available to check for suitable sites by the operator or the local planning authority?	Yes	No
If no, please explain why: No register available		
Was the industry site database checked for suitable sites by the operator?	Yes	No
If no, please explain why:		
Annual Area Wide Information to local planning authority		
Date of information submission to local planning authority	Not requested by the LPA	
Name of contact	NA	
Summary of issues raised:		
Rollout plans can be provided upon request		
Pre-application consultation with local planning authority		
Date of written offer of pre-application consultation	16 th November 2021	
Was there pre-application contact?	Yes	No

¹ Macro or Micro

Date of pre-application contact	NA		
Name of contact	NA		
Summary of outcome / main issues raised: No response has been received to date.			
Ten Commitments Consultation			
Rating of Site under Traffic Light Model	Red	Amber	Green
Outline Consultation carried out: Local councillors for the ward were contacted via email on 16 th November and invited to comment on the proposals. No comments were received at time of submission.			
Summary of outcome / main issues raised: NA			
School / College			
Location of site in relation to school / college (include name of school / college): No schools in proximity of the site, no consultation required.			
Outline of consultation carried out with school / college (include evidence of consultation): NA			

<i>Civil Aviation Authority / Secretary of State for the Defence / Aerodrome Operator consultation (only required for an application for prior approval)</i>		
Will the structure be within 3km of an aerodrome or airfield?	Yes	No
Has the Civil Aviation Authority/Secretary of State for Defence/Aerodrome Operator been notified	Yes	No
Details of response: NA		
<i>Developers Notice (only required for an application for prior approval)</i>		
Copy of Developers Notice enclosed	Yes	No
Date served	30/11/2021	

3. Proposed Development

The proposed development is required due to the need for the operators to vacate the existing site nearby. The proposed development in this location is part of H3G's management and network deployment of telecommunications sites. The expectations are that future telecoms technology will support government policy regarding digital inclusion; improvements in health and social care; assisting in local economic growth; advancing the development of Smart Cities; and supporting innovative uses throughout the transport sector for both personal and public travel.

The site:

The proposed development will be located on adopted highway land off Pilkington Way/New Road/A665, Outwood Gate, Radcliffe, Bury, M26 1LD (SD 78500 06700) hereafter referred to as, 'the Site'. Figure 1 shows the approximate location of the Site.

The Site is bound by:

- The A665 directly north with commercial units beyond,
- An area of maintained grass land and the junction of Outwood Road to the immediate east.
- Mill Street directly South,
- A cluster of mature vegetation directly to the west with River Irwell beyond.

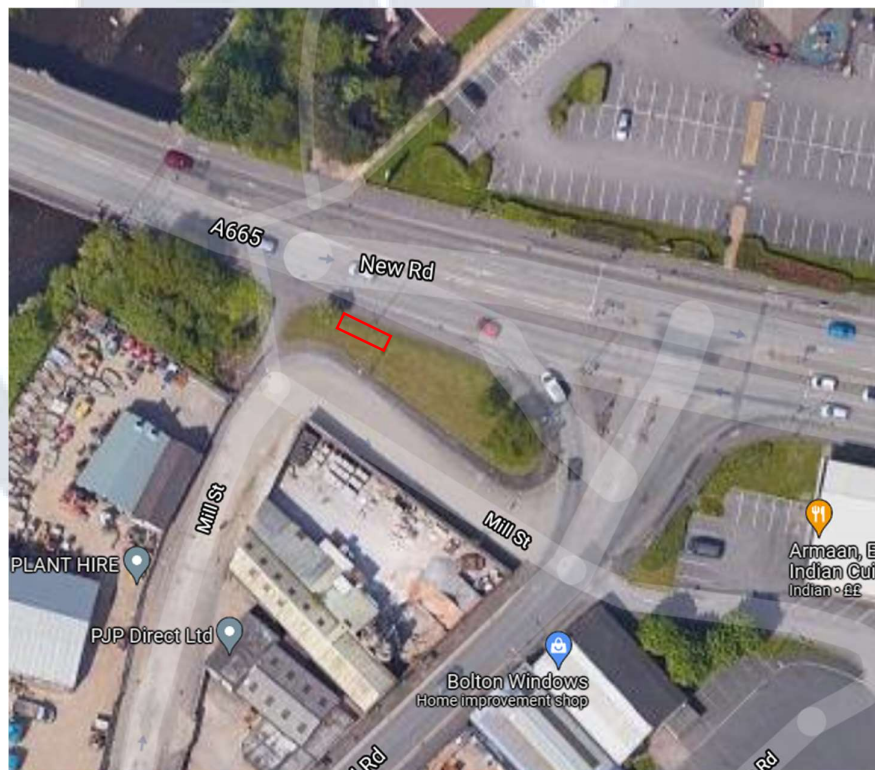


Figure 1- Site location with approximate boundary of Site demarcated by red line (Google, 2021)

The Site has been chosen as the most viable option to provide reliable coverage. The proposed development will ensure continued mobile network coverage in the area, also

providing improved quality, faster and more reliable connectivity for local residents and businesses.

The Site is not located within any conservation areas, or in close proximity to any listed buildings, ancient monuments or other heritage assets. In addition, the proposed works are not located in close proximity to any designated sites such as SSSIs, SPAs, SACs, or national nature reserves. As such, the Site is not considered to be a sensitive area, and is suitable for the proposed development.

The proposed works will not require the significant removal of vegetation and will utilise existing access routes.

Alternative sites were considered, and details are provided below. However, the chosen site was considered to be the most appropriate as the Site is not a sensitive environment and is not likely to be significantly adversely impacted by the proposed works.

Enclose map showing the cell centre and existing sites within the cell and adjoining cells:

This can be emailed to LPA on request

Type of Structure (e.g. tower, mast, etc): Mast and equipment cabinets

Description:

The installation of a 17 metre high, monopole tower, associated radio-equipment cabinets and ancillary development hitherto.

Overall Height: 17m

Height of existing building (where applicable)	NA metres		
Equipment Housing:	1	2	3
Length	600	500	1585
Width	650	700	950
Height	1900	600	1752

Materials (as applicable)

Tower / mast etc. – type of material and external colour

Light grey (RAL 7035)

Equipment housing – type of material and external colour

Light grey (RAL 7035)

Reasons for choice of Design

The proposed mast and associated apparatus will provide improved capacity of 4G and 5G services in the area. This will ensure that the area has increased mobile upload and download speeds, and a more reliable mobile network connection. The required improvements can only be provided by the installation of a new mast, and existing sites were not suitable to support the required apparatus.

The proposed design is of the necessary technical and design specifications to meet the requirements for mobile network connectivity and coverage. The design is in compliance with the International Commission on Non-Ionizing Radiation Protection (ICNIRP) as evidenced by the attached ICNIRP certificate.

The additional electronic communications apparatus located within the cabinets are necessary for operation.

Access to the Site will be required only for installation and infrequent maintenance or in the event of emergency repairs. Service personnel would continue to access the site via existing highways and there would be no need for additional carpark spaces.

4. Technical Information

International Commission on Non-Ionizing Radiation Protection Declaration attached (see below)* International Commission on Non-Ionizing Radiation Protection public compliance is determined by mathematical calculation and implemented by careful location of antennas, access restrictions and/or barriers and signage as necessary. Members of the public cannot unknowingly enter areas close to the antennas where exposure may exceed the relevant guidelines. When determining compliance, the emissions from all mobile phone network operators on or near to the site are taken into account. In order to minimise interference within its own network and with other radio networks, Hutchison 3G Limited operates its network in such a way the radio frequency power outputs are kept to the lowest levels commensurate with effective service provision. As part of Hutchison 3G Limited's network, the radio base station that is the subject of this application will be configured to operate in this way. All operators of radio transmitters are under a legal obligation to operate those transmitters in accordance with the conditions of their licence. Operation of the transmitter in accordance with the conditions of the licence fulfils the legal obligations in respect of interference to other radio systems, other electrical equipment, instrumentation or air traffic systems. The conditions of the licence are mandated by Ofcom, an agency of national government, who are responsible for the regulation of the civilian radio spectrum. The remit of Ofcom also includes investigation and remedy of any reported significant interference. The telecommunications infrastructure the subject of this application accords with all relevant legislation and as such will not cause significant and irremediable interference with other electrical equipment, air traffic services or instrumentation operated in the national interest.	Yes	No
Frequency	GSM 1865.5-1846.5 MHz	
Modulation characteristics²	GMSK & QPSK	
Power output (expressed in EIRP in dBW per carrier)	56 dBm	

² The modulation method employed in GSM is GMSK (Gaussian Minimum Shift Keying) which is a form of Phase Modulation.

The modulation method employed in UMTS is QPSK (Quad Phase Shift Keying) which is another form of Phase Modulation.

In order to minimise interference within its own network and with other radio networks, Hutchison 3G Limited's Network operates its network in such a way that radio frequency power outputs are kept to the lowest levels commensurate with effective service provision. As part of Hutchison 3G Limited's network, the radio base station that is the subject of this application will be configured to operate in this way.	
Height of antenna (m above ground level)	16.41m/14.75m centreline



5. Technical Justification

The proposed development is required to allow increased connectivity and reliability of mobile networks for H3G.

Government and planning policy sets out the importance of telecommunications technology for sustainable economic development, including supporting economic growth, the transport, health and IT sectors and the development of smart cities. As stated previously, this is set out in planning policy including the NPPF, and is also reflected in a number of local development plans.

In March 2017, the Department of Culture, Media and Sport (DCMS) released an updated UK Digital Strategy (UK Digital Strategy). The strategy details the goals to ensure that the UK has a *“world-leading digital economy that works for everyone”*. The UK Digital Strategy includes details of the public benefits of access to high quality communication services. As the UK is considered to be behind other nations in the provision of fast, consistent and reliable mobile connectivity, the DCMS, in conjunction with the new Electronic Communications Code (2018), intends to make it easier for operators to upgrade and share their equipment with other operators in order to help increase coverage to ensure the future growth of the UK.

The proposed upgrades are required to provide additional coverage and capacity for the area, by providing the latest antenna technology. The proposed development will provide access to these services and ensure a reliable connection into the future.

The Site is not considered to be a sensitive area, as it is not located within or in close proximity to any sites designated for nature conservation, listed buildings, scheduled monuments or any other heritage assets. As such the site is considered to be suitable for the proposed development. In addition, the Site is also not located in close proximity to any airports or airfields.

The proposed development is in accordance with policies set out in the National Planning Policy Framework (NPPF). Paragraphs 114 and 115 of the NPPF set out the importance of the provision of reliable, advanced communications apparatus for economic and sustainable development. In line with these policies, the proposed development will ensure improved communications apparatus and connectivity for the local area.

The Bury Unitary Development Plan (adopted in 1997) does not have any policy with direct reference to telecommunications infrastructure. This is due to the age of the document and a new plan is in consultation stages. A review of the emerging documents for the new plan highlights many references to the importance of sustainable development and the requirement for improved infrastructure to compliment housing growth of which this development will help to achieve.

Policy TC2 of the adopted local plan encourages development where leisure, business, tourism and recreation are promoted. By allowing for the update of existing infrastructure and providing a better 5G service, this proposal accords with Policy TC2.

Within the local plan, Radcliffe is described as having suffered more from problems associated with a poor environment, declining economic activity, poor housing and a depressed economic base. The Bury Local Plan set out policies and objectives to improve Radcliffe as an area by providing economic opportunities through mixed-use development and improvement. This proposal would provide Radcliffe with the most up-to-date data service which would make the

area more appealing to new developers, potential house buyers and tourists. Policy Area RD3 - South of Pilkington Way' notes that development which compliments town centre retailing and business will be favoured. By providing a 5G service to the area, this proposal would accord with this policy specific to the area by providing potential business/developments with the most modernised infrastructure.

Alternative sites considered and not chosen (not generally required for **upgrades/alterations to existing sites including** redevelopment of an existing site to facilitate an upgrade or sharing with another operator):

1. Stand Lane, Outwood Gate, Radcliffe, Bury, Greater Manchester, North West, M26–E: 378773 N: 406755. New Road/Stand Lane Junction - sloping terrain and proximity to residential housing.
2. Pilkington Way, Outwood Gate, Radcliffe, Bury, Greater Manchester, M26 3DA – E: 378293, N: 406978. Pilkington Way - sloping terrain unsuitable for SW installation.
3. Pilkington Way, Outwood Gate, Radcliffe, Bury, Greater Manchester, North West, M26 2WA– E: 378446, N: 406870. Pavement width too narrow to support design solution as it would likely impede footpath users.
4. Outwood Gate, Radcliffe, Bury, Greater Manchester, North West England– E: 378227, N: 406912. Pavement width too narrow to support design solution as it would likely impede footpath users. The site is in proximity to residences; therefore, could cause unacceptable visual impacts or not achieve ICNIRP compliance.

Additional relevant information			
The expectations are that future telecoms technology will support government policy regarding digital inclusion; improvements in health and social care; assisting in local economic growth; advancing the development of Smart Cities and supporting innovative uses throughout the transport sector for both personal and public travel. Alternative sites to locate this equipment have been investigated as part of the engineering feasibility exercise to ensure continued coverage for the area due to the requirement to remove the existing mast serving the area.			
Contact Details			
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Operators	H3G	Fax No	NA
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Signed	<i>Rory Hollings</i>	Date	30/11/2021
Position	Senior Environmental Planner	Company	Dalcour Maclaren
For and on behalf of Hutchison 3G Limited			