

Site Specific Supplementary Information

1. Site Details

Site Name	Yew Tree Road	Site Address	Yew Tree Road, Manchester, Greater Manchester, M14 7FT
NGRs	E 384703 / N 393826		
Site Ref	76150/MAN089		
Site Type ¹	Macro		

2. Pre-Application Check List

Site Selection

Was an LPA mast register used to check for suitable sites by the operator or the LPA?	No
The application relates to the upgrade of an existing base station and relevant planning history has been reviewed prior to the submission of this application.	
Was the industry site database checked for suitable sites by the operator?	Yes
If no explain why: N/A	

Annual Rollout Consultation with LPA

Date of last annual rollout information/ submission	Autumn 2018
Name of contact	Chief Planning Officer
Summary of outcome/Main issues raised:	
N/A	

Civil Aviation Authority / Secretary of State for the Defence / Aerodrome Operator Consultation – only required for an application for prior approval

Will the structure be within 3km of an aerodrome or airfield?	No
Has the Civil Aviation Authority/Secretary of State for Defence/Aerodrome Operator been notified	No
Details of response:	
N/A	

Developer's Notice – only required for an application for prior approval

Copy of Developer's Notice enclosed	Yes
Notice sent by Recorded Email/Post	26/05/2023 Proof of Delivery is enclosed

3. Proposed Development

The Proposed Site:
Yew Tree Road, Manchester, Greater Manchester, M14 7FT

¹ Macro or Micro

Description of Development:

Removal of 1no existing 14.5m monopole and 3no existing cabinets to be replaced with 1no new 20m monopole accommodating new antennas with wrap-around cabinet, 4no other new cabinets and associated ancillary works thereto.

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

N/A – upgrade of an existing site

Site Photo



Type of Structure (e.g. tower, mast, etc)	Monopole
Overall Height	20 metres
Height of Existing Building (if applicable)	N/A
Equipment Housing	WxDxH
Wrap-around cabinet	1800x750x1600
Bowler cabinet	1900x660x1752
6130 cabinet	650x730x1150
Komodo cabinet	1230x400x1542
Mk5B Link AC cabinet	1200x500x1700
Materials (as applicable)	
Tower/mast etc – type of material and external colour	Galvanised Steel – manufactured light grey RAL 7035
Equipment housing – type of material and external colour	Galvanised Steel – manufactured light grey RAL 7035

Reasons for choice of design:

Efforts have been made to utilise the existing apparatus of this base station as much as possible to minimise the level of visual impact to the surrounding area. The least amount of equipment has been used in order to create a similar likeness to the existing site whilst also achieving the operators' technical objectives.

4. Technical Information

ICNIRP Declaration attached	Yes
ICNIRP 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 cellular operators on the site are taken into account.	

Frequency	GSM 1865.5-1846.5 MHz
Modulation Characteristics ²	GMSK & UMTS
Power Output (expressed in EIRP in dBW per carrier)	56 dBm
Height of Antenna (m above ground level)	17,65 & 19.55 metres to centre of antennas

5. Technical Justification

Reasons why site is required: e.g. coverage, upgrade, capacity
There is a technical requirement to upgrade this existing base station in order to improve existing 3G and 4G coverage in the operators' target area. The proposed works will also provide 5G coverage as part of the applicant's aim to satisfy current and future demands.

Site Selection Process – alternative sites considered and not chosen

Discount Option	NGRs	Reasons
N/A	N/A	N/A

If no alternative site options have been investigated, please explain why:
Proposal seeks to upgrade an existing telecommunications base station and therefore no alternative site options are required.
Additional Relevant Information:

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.

Contact Details

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Signed		Company	Avison Young On behalf of Mobile Network Broadband Limited
Position	Senior Planner - Telecoms	Date	30/05/23