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Friday 15th July 2022

Survey Report

RE: - UHF Survey

Description

This report highlights the current UHF (free view) receivable signals from the Winter Hill transmitter at the new build site address below.

This information has been provided to assess the possible impact details have been generated

Site Address

Church Inn - Students Accommodation
Higher Cambridge Street
Manchester
M15 6BP

Services Tested

1. Terrestrial Digital Multiplex BBC A, BBC B, D3 & 4, SDN, ARQ-A, ARQ-B (Free View)

N.B only legally transmitted services available at the time of installation.

Test Locations =

Signal Direction =



Signal Direction

Signal path from Winter Hill Transmitter - BL6 6SL



Test 1



Address: Chevril Close, Manchester, M15
Height: 6m
Results: See Test Certificate - Chevril Close – 14/07/22

Test 14.07.22 UHF reception at this location is a pass.

Notes: Signal readings have been completed direct of a 4G LTE aerial with no mast amplification at the top of Chevril Close joining Church Inn – Student Apartments, signals readings are a Pass



Test 2



Address: Higher Cambridge Street, Manchester, M15
Height: 6m
Results: See Test Certificate - Higher Cambridge Street – 14/07/22

Test 14.07.22 UHF reception at this location is a pass.

Notes: Signal readings have been completed direct of a 4G LTE aerial with no mast amplification at the Higher Cambridge Street, signals readings are a Pass

Test 3



Address Rosamond Street, Manchester, M15
Height 6m
Results See Test Certificate - Rosamond Street – 14/07/22



Test 14.07.22 UHF reception at this location is a pass.

Notes Signal readings have been completed direct of a 4G LTE aerial with no mast amplification at the Rosamond Street joining Higher Cambridge Street, signals readings are a Pass

Acceptable Readings

	dB	MER	N. Margin	bBER	aBER
Min	45	22	5	2x10 -4	6x10 -6
Max	65	35	15	10 -8>	10 -8>

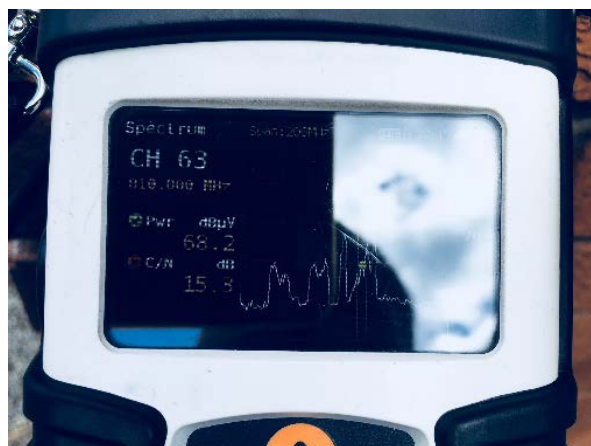
Interference

Possible interference tested on the 14/07/22 4G filters should be installed.

- 4G – 790Mhz – 854Mhz - 68dB
- Tetra 200Mhz – 390Mhz - 30dB

Interference Cont.

Signal tests around the area show 68db of 4G present so all properties will require a 4G filter or a 4G filtered aerial to remove this.



20/07/2022 Conclusion

This new build property Church Inn Students accommodation does not cause any signal issue within the surrounding area, Current reception in this area is of a good quality unless any properties are in direct view of the existing high rise apartments from the city center which will reduce the signal quality.

For residents to receive a good quality UHF reception they would ideally need a super log 4G filtered aerial, any residents in direct line of the high rise apartments may require a high gain aerial, 10ft – 12ft mast.

For residential houses **at800** provided free 4g filters sent via the post, if the property is managed then the landlord will be required to provide 4G filtering to the communal system for their tenants.

Web: - <https://at800.tv>

Tel: - 08081313800

Future Changes

Currently Ofcom have planned to remove all TV reception frequencies above 700 MHz starting from 2017 – 2020 there is now definite date but full details as below.

UPDATE ON FUTURE CLEARANCE OF TV AIRWAVES

Aerial installers and other stakeholders can now find more about the upcoming clearance of spectrum in the 700MHz band. A [new section](#) on the Digital UK website provides an overview of the clearance programme, which is scheduled to begin in 2017, along with details of its expected impact on Free view viewers currently using group C/D aerials. Links to Ofcom consultations and statements on clearance are also provided for easy reference. This webpage will be updated as preparations continue.

http://www.digitaluk.co.uk/industry/news/700mhz_clearance