

# Audit Report.

## 5G Coverage in UK, 2020





# Intro

The leader in mobile benchmarking, umlaut, has analyzed UK's mobile networks with regards to mobile network performance. The study analyzed 5G coverage across the UK's Combined Authority areas.

umlaut tested and measured the performance of Data services using the latest 5G capable smartphones, benchmarking the typical user experience on the UK networks. The testing was conducted from March to July. As the de-facto industry standard, our benchmarking methodology focuses on customer-perceived network quality and covers a wide range of mobile services.

Today, more than 200 mobile networks in more than 120 countries are being evaluated by our unique scoring methodology. It allows a technical analysis that is unprecedented in its level of detail and enables comparisons between the network performance and capability of each mobile network. Our public benchmarks as well as the certificate benchmarks help network operators to demonstrate how well they are delivering wireless connections to consumers, business users and enterprises and reveals the areas of improvement.

umlaut Test Details	
Coverage 5G%	% of tiles covered with 5G. The tile size is ≈ 100m x 100m. For a tile to be considered as covered at least 1 5G (NR) sample is required
Data collection period	March 19th (wk 11) July 26th (wk 30)



# Testing area

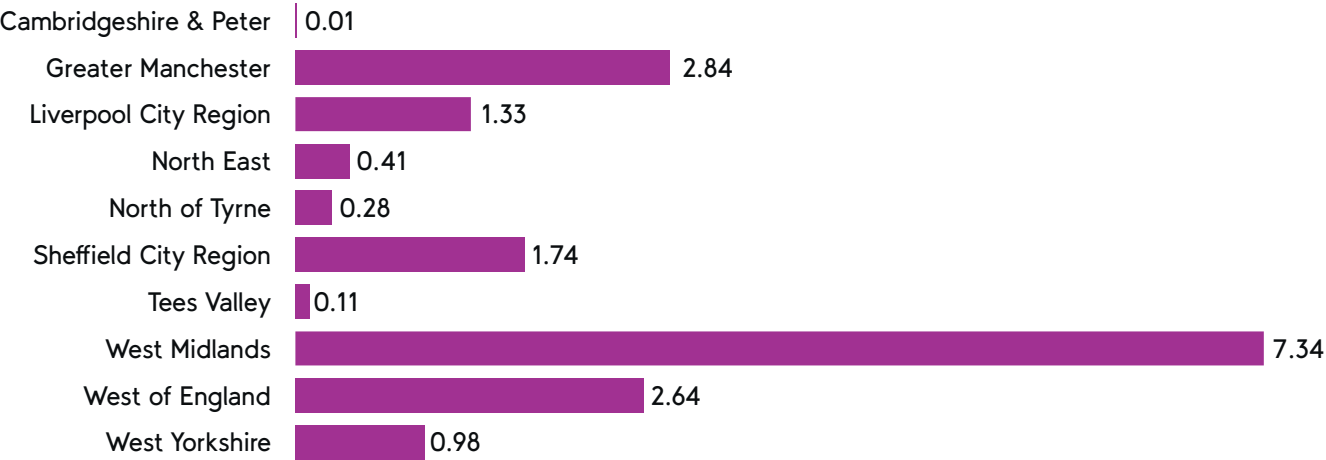




# 5G coverage

## Combined Authorities.

Geographical coverage in [%]

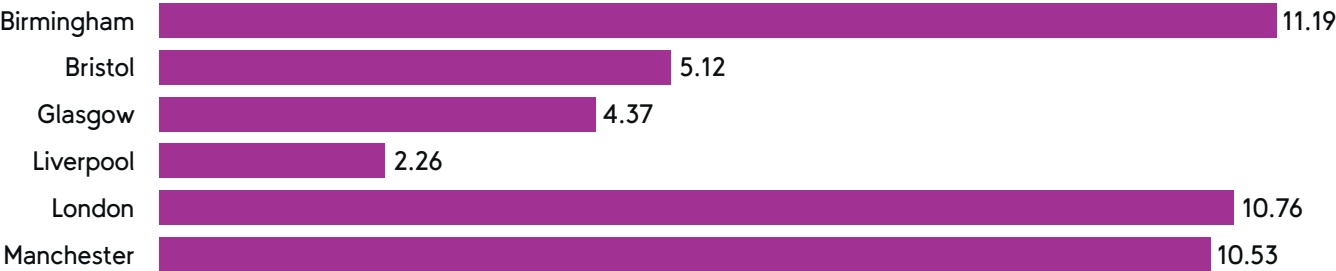


West Midlands ranks 1st in 5G geographical coverage.



# Cities.

Geographical coverage in [%]

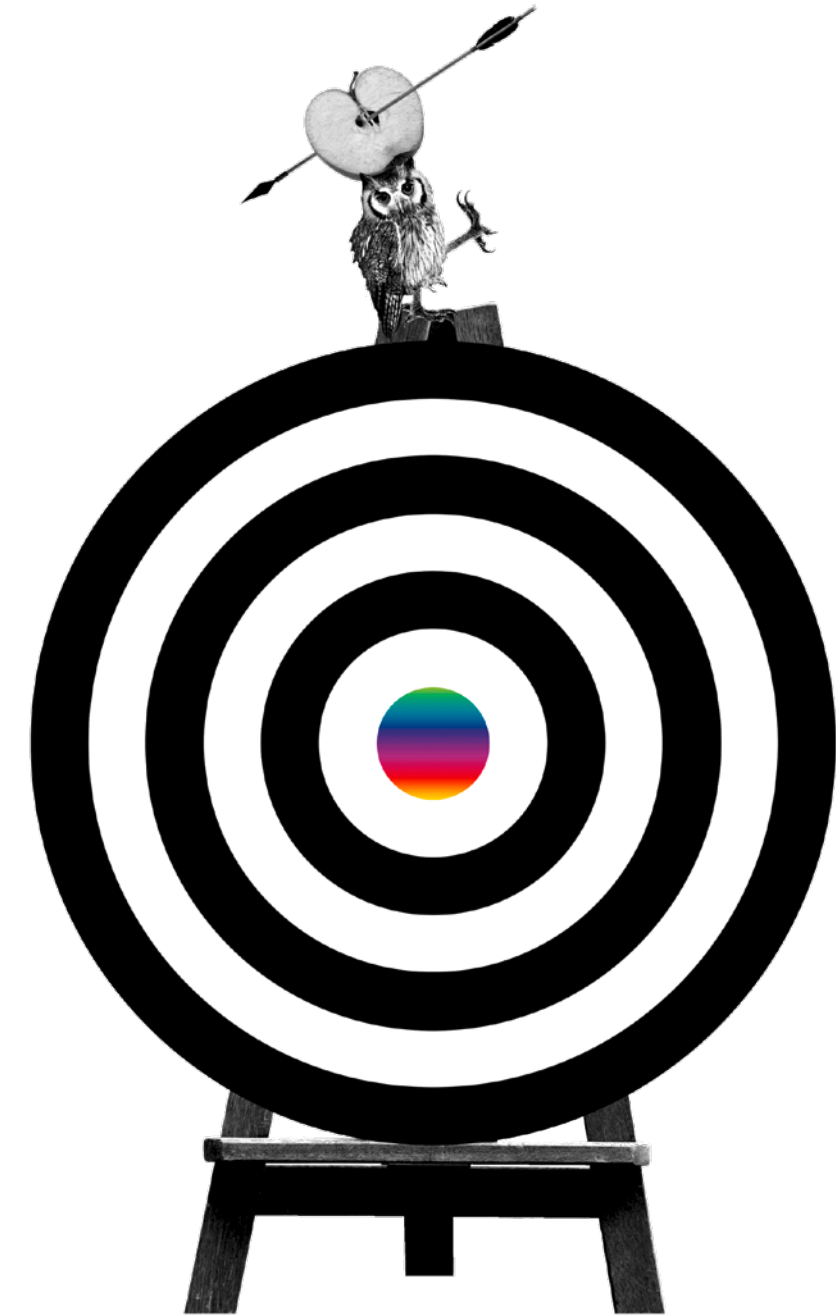


Birmingham ranks 1st in 5G geographical coverage.



## Key takeaways

- ☰ The West Midlands and Birmingham rank highest in 5G mobile coverage.
- ☐ West Midlands ranks 1st in 5G geographical coverage. (Combined Authorities)
- ☐ Birmingham ranks 1st in 5G geographical coverage. (Cities)





**umlaut AG**

Am Kraftversorgungsturm 3 · 52070 Aachen · Germany

Hakan Ekmen · Chief Executive Officer Telecommunication

cell +49 151 571 33 235 · [hakan.ekmen@umlaut.com](mailto:hakan.ekmen@umlaut.com)

[www.umlaut.com](http://www.umlaut.com)