

# MOBILE NETWORK QUALITY REPORT SOUTH AFRICA Q1 2024

MyBroadband Insights, South Africa's leading provider of mobile network research, has analysed the performance of South Africa's mobile networks in Q1 2024. This report shows the results of extensive drive tests and crowdsourced data used to benchmark network data performance.

## Key Findings

MTN has the best overall network in South Africa, with Vodacom taking second place. These two networks are followed by Cell C, Telkom and Rain. MTN dominated the overall network rankings in most major metropolitan areas. Vodacom has the best 5G network in South Africa, but its LTE network lags behind MTN's.

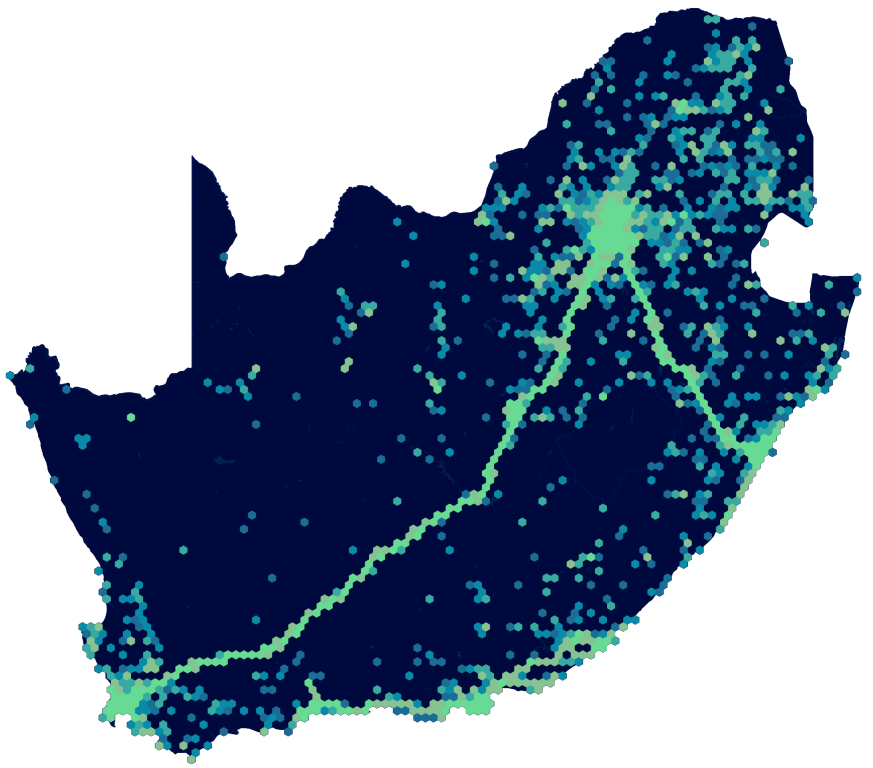
## Report Facts

Reporting period  
**01.01.24 - 31.03.24**

Samples  
**285,839**

Unique devices  
**7,197**

Distance covered  
**13,000km**



## Findings Summary

Best network in South Africa

**MTN**

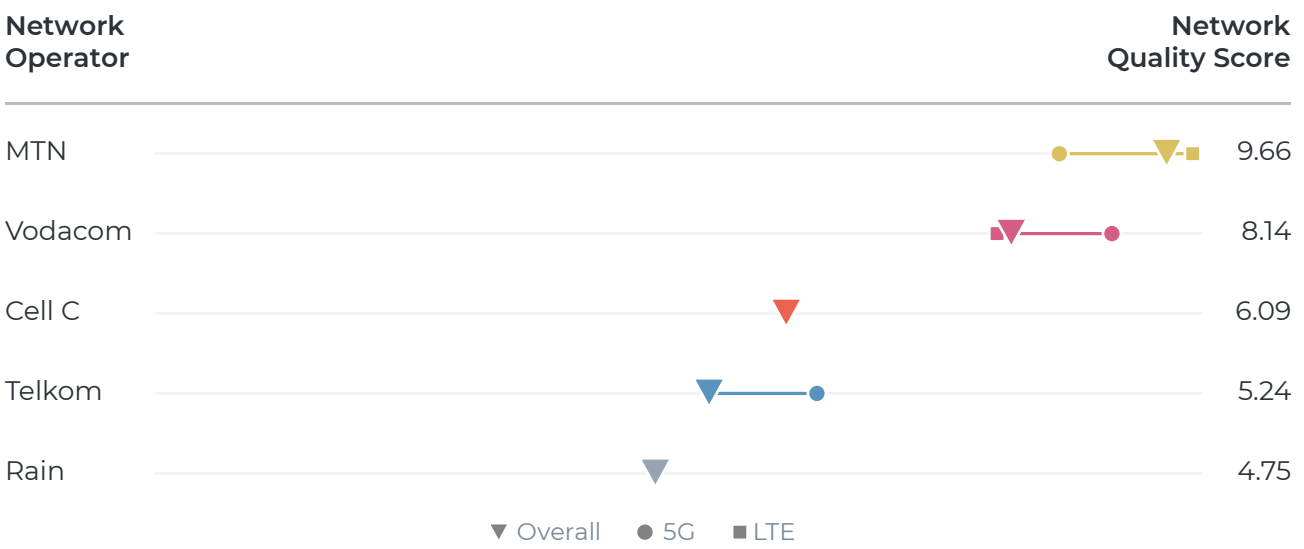
Best network in Cape Town, eThekweni, Ekurhuleni, Tshwane, Nelson Mandela Bay

**MTN**

Best network in Johannesburg

**Vodacom**

## Mobile Network Quality Scores



Network Operator	Download (Mbps)	Upload (Mbps)	Latency (ms)	Network Quality Score
MTN	82.48	24.03	29	9.66
Vodacom	77.45	14.74	30	8.14
Cell C	39.32	13.36	42	6.09
Telkom	30.49	10.72	37	5.24
Rain	19.41	10.31	28	4.75

## Methodology and Score Calculations

Data was collected from crowdsourced users and extensive drive tests - both of which used the MyBroadband Speed Test platform between 01.01.2024 and 31.03.2024 in cities, towns, and main roads. Crowdsourced data is collected from users who use various smartphones that support different technologies. Our dedicated drive tests use smartphones that support the latest technologies, as well as mid-range smartphones that replicate the experience of most users. This report presents the real-world performance of mobile network operators.

The download speed (60%), upload speed (20%), and latency (20%) are used to calculate a Network Quality Score for each operator. The network score is a value which shows the relative performance of each network, with a maximum score of 10. To ensure accurate results, unnatural results are filtered out, and cell down-sampling is used. The average network performance for LTE and 5G is calculated separately, and combined in an overall score for each operator weighted based on the sample distribution between the technologies.