

MYBROADBAND INSIGHTS

Mobile Network Quality Report South Africa 2022

MyBroadband Insights, the leading provider in mobile network research, has analysed mobile networks in South Africa to compare their performance in 2022. This report shows the results of extensive drive tests and crowd sourced data to benchmark network data performance.

Introduction

The MyBroadband Insights Network Quality Report uses a carefully designed methodology to accurately measure and compare the network performance of mobile operators. The data collection includes drive tests with a specialised testing vehicle and equipment, and crowd sourced data.

The report is based on results from MyBroadband's Android Speed Test App which were recorded between 1 January 2022 and 31 December 2022.

The speed test app runs connection tests to servers at NapAfrica's Internet peering points in Johannesburg, Cape Town and Durban to provide a vendor-neutral testing environment for download speed, upload speed and latency. These servers are connected via a 10Gbps link to NapAfrica to ensure there is ample capacity for accurate speeds of even the fastest broadband connections.

In this report we provide a realistic and conclusive assessment of mobile operators' network potential and performance across South Africa and within the major metropolitan areas.

Report Facts

Devices
23,902

Samples
1,362,449

Postal areas tested
2,080

Device models
1,045

Kilometers covered
20,000+

Cells tested
132,579

Reporting period
01.01.22 - 31.12.22

South Africa

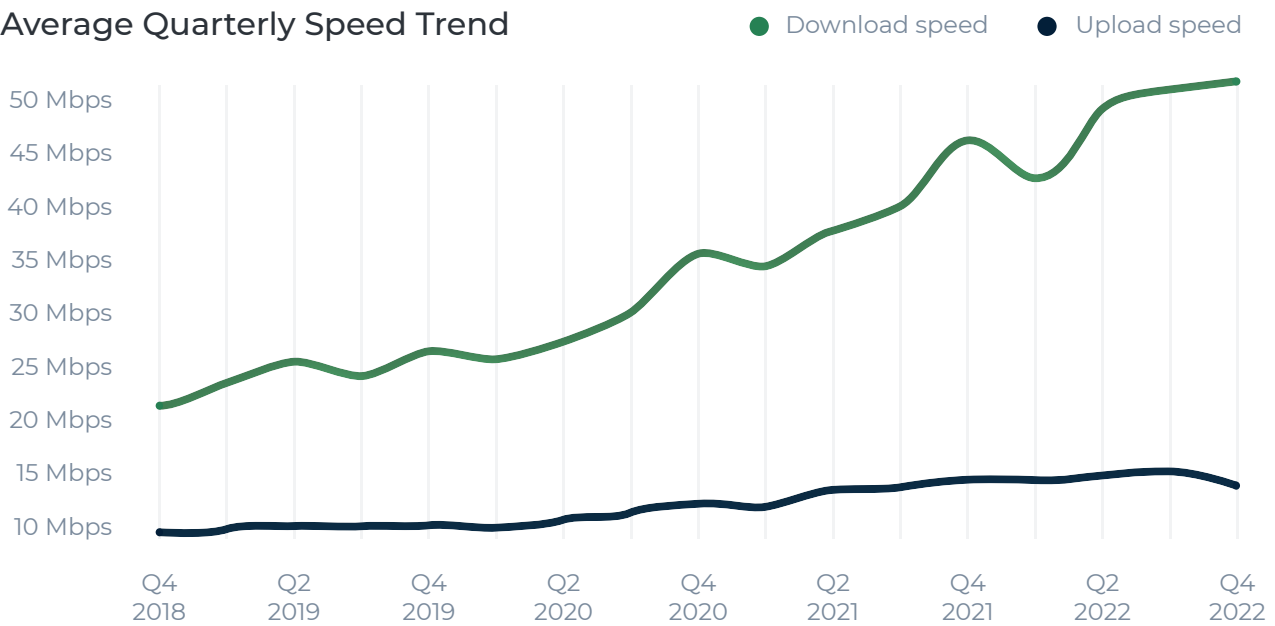
Average Mobile Network Performance

Download speed
49.19 Mbps

Upload speed
14.15 Mbps

Latency
40 ms

Average Quarterly Speed Trend



Mobile Operator Network Performance

Network Operator	Download (Mbps)	Upload (Mbps)	Latency (ms)
MTN	68.84	19.77	44
Vodacom	48.58	11.62	38
Telkom	28.54	9.95	38
Cell C	23.41	9.02	47
Rain	15.14	10.33	39

Metropolitan Areas

City of Tshwane

Download speed
64.02 Mbps

Upload speed
16.75 Mbps

Latency
37 ms

Network Operator	Download (Mbps)	Upload (Mbps)	Latency (ms)
MTN	79.03	23.70	43
Vodacom	67.77	16.88	37
Telkom	27.96	11.02	35
Cell C	22.52	7.76	39
Rain	16.47	10.26	39

City of Cape Town

Download speed
48.54 Mbps

Upload speed
12.61 Mbps

Latency
34 ms

Network Operator	Download (Mbps)	Upload (Mbps)	Latency (ms)
MTN	62.75	18.64	39
Vodacom	48.01	11.18	26
Telkom	30.68	9.35	42
Cell C	21.19	11.64	47
Rain	17.10	9.65	25

Metropolitan Areas

City of Johannesburg

Download speed
69.74 Mbps

Upload speed
19.87 Mbps

Latency
34 ms

Network Operator	Download (Mbps)	Upload (Mbps)	Latency (ms)
MTN	93.75	29.12	36
Vodacom	72.22	18.07	37
Telkom	28.41	10.17	33
Cell C	19.58	8.43	37
Rain	18.00	12.28	32

eThekwini

Download speed
60.57 Mbps

Upload speed
15.84 Mbps

Latency
43 ms

Network Operator	Download (Mbps)	Upload (Mbps)	Latency (ms)
MTN	114.60	32.67	36
Vodacom	51.09	10.22	30
Telkom	27.89	10.46	30
Cell C	22.14	8.31	50
Rain	10.01	8.34	74

Metropolitan Areas

Mangaung

Download speed
50.05 Mbps

Upload speed
13.63 Mbps

Latency
42 ms

Network Operator	Download (Mbps)	Upload (Mbps)	Latency (ms)
MTN	90.55	19.09	42
Vodacom	61.83	12.59	41
Cell C	41.55	10.10	39
Telkom	29.39	12.86	40
Rain	17.16	10.79	49

Nelson Mandela Bay

Download speed
49.91 Mbps

Upload speed
10.83 Mbps

Latency
41 ms

Network Operator	Download (Mbps)	Upload (Mbps)	Latency (ms)
MTN	67.04	12.69	45
Vodacom	46.10	7.68	34
Telkom	36.42	8.05	44
Cell C	35.99	8.00	51
Rain	12.05	7.83	34

Metropolitan Areas

Ekurhuleni

Download speed

57.40 Mbps

Upload speed

17.98 Mbps

Latency

41 ms

Network Operator	Download (Mbps)	Upload (Mbps)	Latency (ms)
MTN	84.94	26.33	41
Vodacom	67.23	17.64	42
Telkom	31.38	11.52	35
Cell C	21.99	8.28	42
Rain	14.34	11.83	38



Contact

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