

January 2026



Barometer of mobile Internet connections in Ghana

01/01/2025 - 12/31/2025



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**nPerf Network
assessment**

Expert in the telecom network optimization

nPerf is an independent French company based in Lyon (France). For over a decade, nPerf has been a trusted partner for both fixed and mobile operators, providing comprehensive network testing solutions and analysis. Our mission is to accurately measure, evaluate, and enhance the understanding of Internet connectivity around the world.



300k+ tests daily
worldwide.



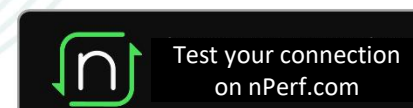
26Md+ coverage
scans in total.



3k+ servers all
around the world.

Test your Internet connection with nPerf!

nPerf allows you to test the quality of your fixed, mobile, or Wi-Fi Internet connections up to 10 Gb/s! Download our app or visit our website!



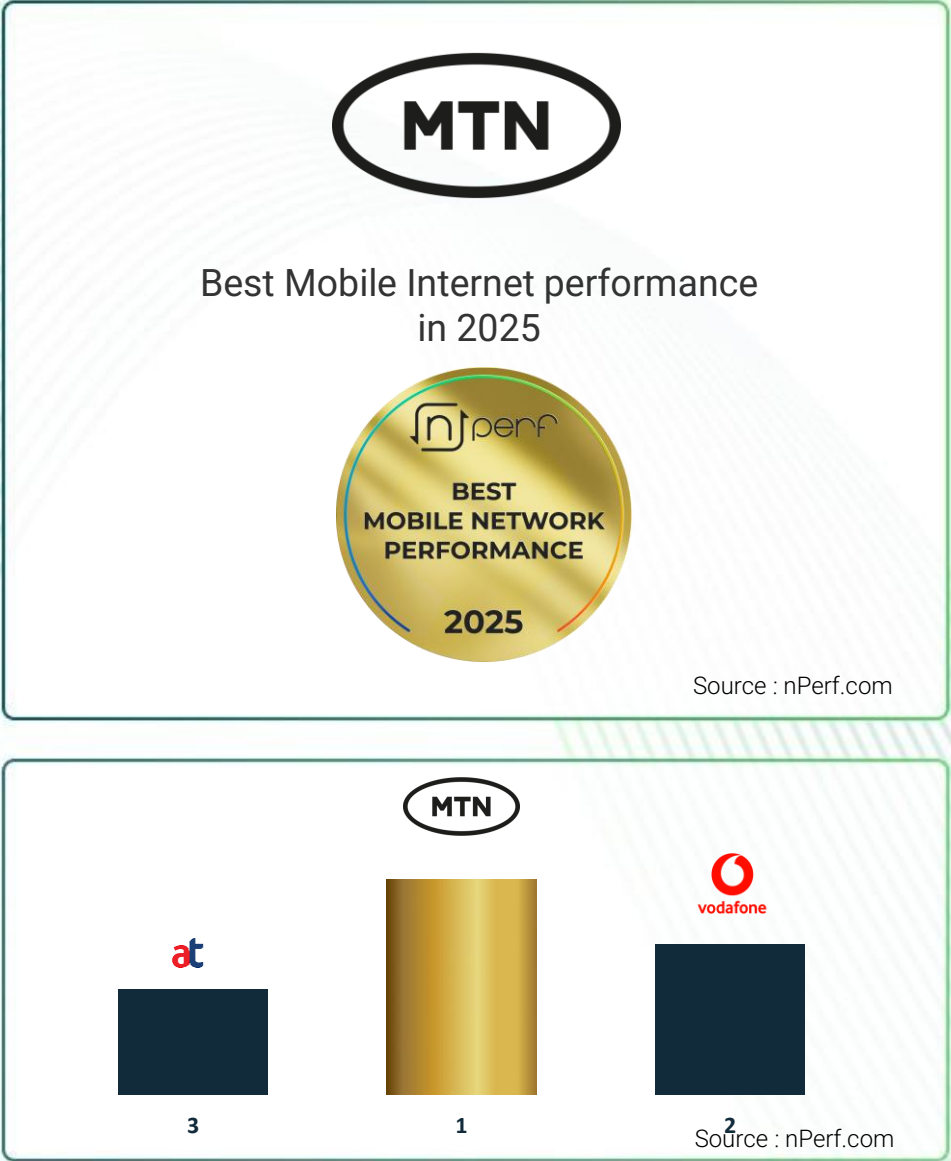
2. Executive Summary



The subscribers of MTN enjoyed the best Mobile Internet performances in 2025 in Ghana.

Mobile Internet performance in Ghana			
	AirtelTigo	MTN	Vodafone
▼ Download bitrates (Mb/s)	3.50	10.09	3.82
▲ Upload bitrates (Mb/s)	0.73	4.93	3.78
◀▶ Latency (ms)	203.91	210.88	125.24
🌐 Web browsing (%)	14.54	19.63	17.92
📺 Youtube streaming (%)	52.02	62.76	58.52
📶 nPerf Score (nPoints)	8 721	21 915	15 004

Source : nPerf.com



The subscribers of MTN enjoyed the best 4G Internet in 2025 in Ghana.

Mobile Internet performance in Ghana

	MTN	Vodafone
 Download bitrates (Mb/s)	11.78	4.47
 Upload bitrates (Mb/s)	5.85	5.29
 Latency (ms)	209.66	120.67
 Web browsing (%)	20.91	20.66
 Youtube streaming (%)	65.42	61.38
 nPerf Score (nPoints)	24 579	18 208

Source : nPerf.com

The Ghanaian mobile Internet sector displays an average score of 15,213 nPoints. MTN leads with 21,915 nPoints and dominates download speed, upload speed, browsing and video streaming. The sector shows strong competition with MTN progressing significantly while maintaining leadership across most key performance indicators.

MTN: sustained leadership position

MTN leads with 21,915 nPoints and records solid progression of 6.4%. The operator dominates download speed with 10.09 Mbps, ideal for HD streaming and content downloads. It achieves first place in upload speed (4.93 Mbps), enabling quality video calls and efficient content sharing. Leader in browsing (19.63%) and video streaming (62.76%), MTN delivers a balanced user experience across all usage scenarios.

Vodafone: optimal latency

Vodafone ranks second with 15,004 nPoints and achieves the best latency on the sector (125.24 ms), perfect for online gaming and real-time communications. The operator secures second place in download speed (3.82 Mbps) and upload speed (3.78 Mbps), ensuring competitive performance for everyday mobile usage.

AirtelTigo: a competitive positioning

AirtelTigo ranks third with 8,721 nPoints and secures second place in latency (203.91 ms). The operator delivers consistent performance with download speed of 3.50 Mbps for standard mobile applications.

MTN consolidates its leadership with balanced performance across all indicators and demonstrates positive momentum. The sector benefits from strong competition on latency, with Vodafone setting the standard for real-time applications. Users enjoy increasingly capable mobile services, particularly for streaming and interactive communications.

4. Methodology



nPerf provides a free application to assess Internet connection quality via its website and mobile apps (Android, iOS). Daily, thousands of people rely on nPerf for speed tests in their country, contributing to a comprehensive crowdsourced database covering all operators.

The study employs a strong filtering method to reflect real customer experiences on a specific network (mobile or fixed line). Measures are taken to prevent probes and measurement robots from affecting the results.

We assess:

▼ Download bitrate

Indicates the amount of data your connection can receive in one second from the nPerf server. The highest the measured value, the best is the bitrate of your connection.

▲ Upload bitrate

Indicates the amount of data your connection can send in one second to the nPerf server. The highest the measured value, the best is the bitrate of your connection.

◄► Latency (ping)

It indicated the delay a small packet of data requires to make a round-trip from your computer to the nPerf server. The shorter the delay, the most reactive your connection is. The mean is the minimum value.

🌐 Browsing performance

The browsing test assesses the load time of the fully loaded pages, including images, javascript, CSS, and fonts, for the five most popular sites. This indicator reflects the perceived quality by the user.

📺 Streaming performance

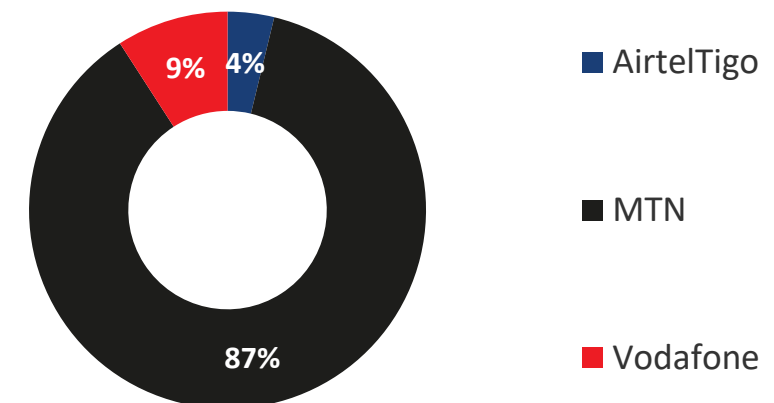
The video streaming test gauges the load time of a fully loaded video in three resolutions on YouTube, considering stalls during playback. This indicator reflects the perceived quality by the user.

Statistical precision is crucial in accurately determining winners. At nPerf, we prioritize test quality, precise reporting, and transparency. Analyzing a large volume of tests in this study, we've achieved 1.5% precision for absolute values and 1% point for percentage-based results, highlighting the reliability and accuracy of our data.

For a more comprehensive understanding of the user experience, our report features test results during both Busy hours (6 PM to 11 PM) and Idle hours (the rest of the day). Busy hours, marked by network strain, can impact user experience through congestion. This approach helps in understanding how network performance fluctuates throughout the day.

We only include national Internet service providers with test share above 5% share. The chart below shows the overall test distribution for each service provider.

Overall distribution of the tests per provider (ISPs Share)



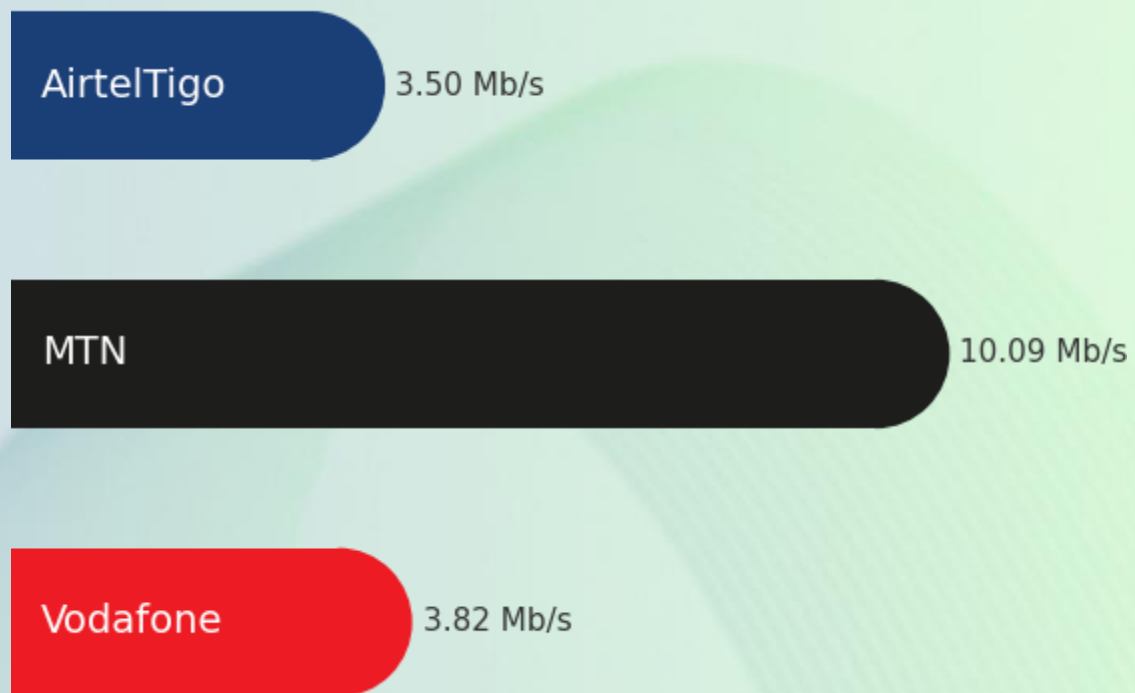
Source : nPerf.com



Download Speed



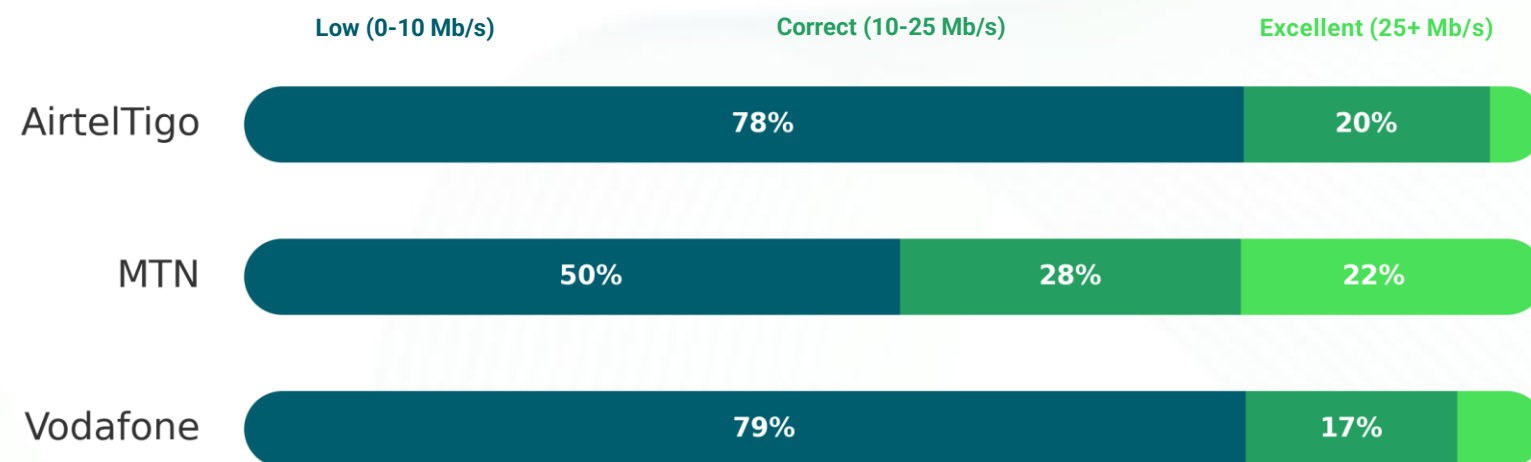
Download Speed (average)



Source : nPerf.com

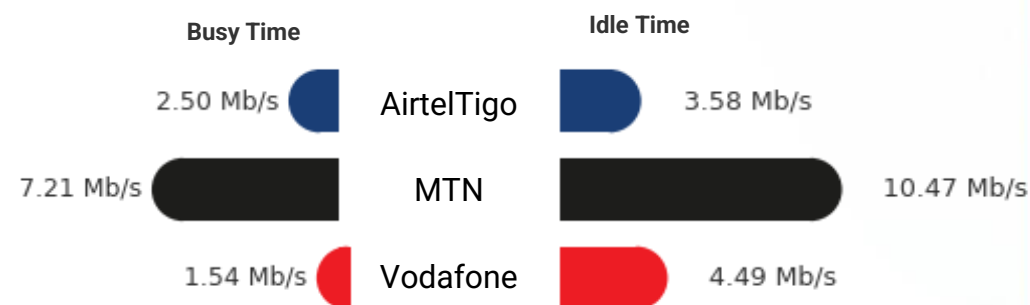
The subscribers of MTN enjoyed the best Mobile Internet Download Speed in 2025.

Download Speed results ventilation (average)



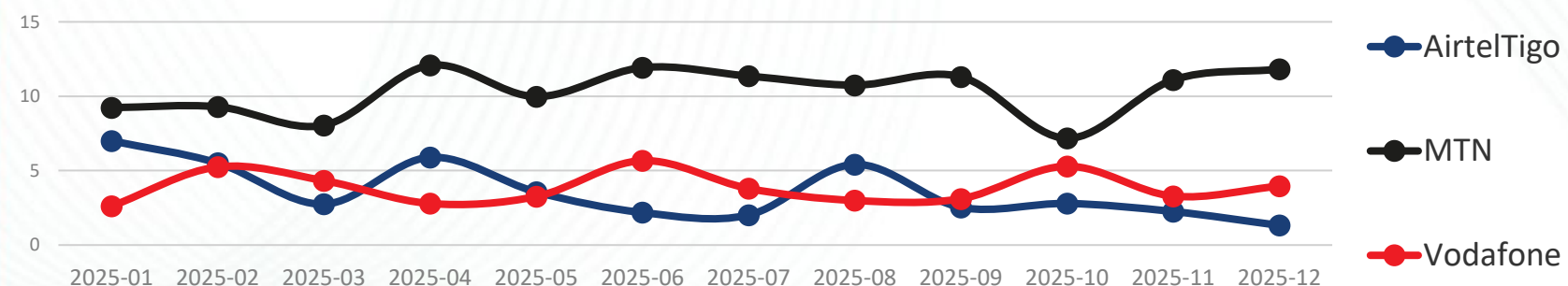
Source : nPerf.com

Download Speed (average)



Source : nPerf.com

Download Speed evolution over the year (average)



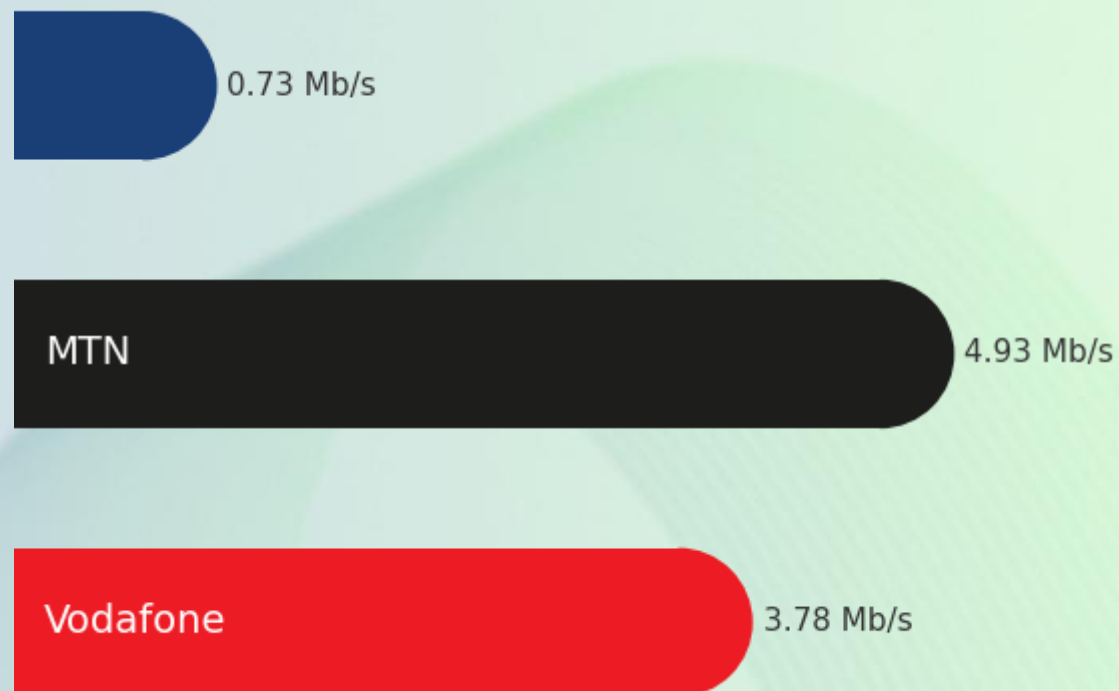
Source : nPerf.com



Upload Speed



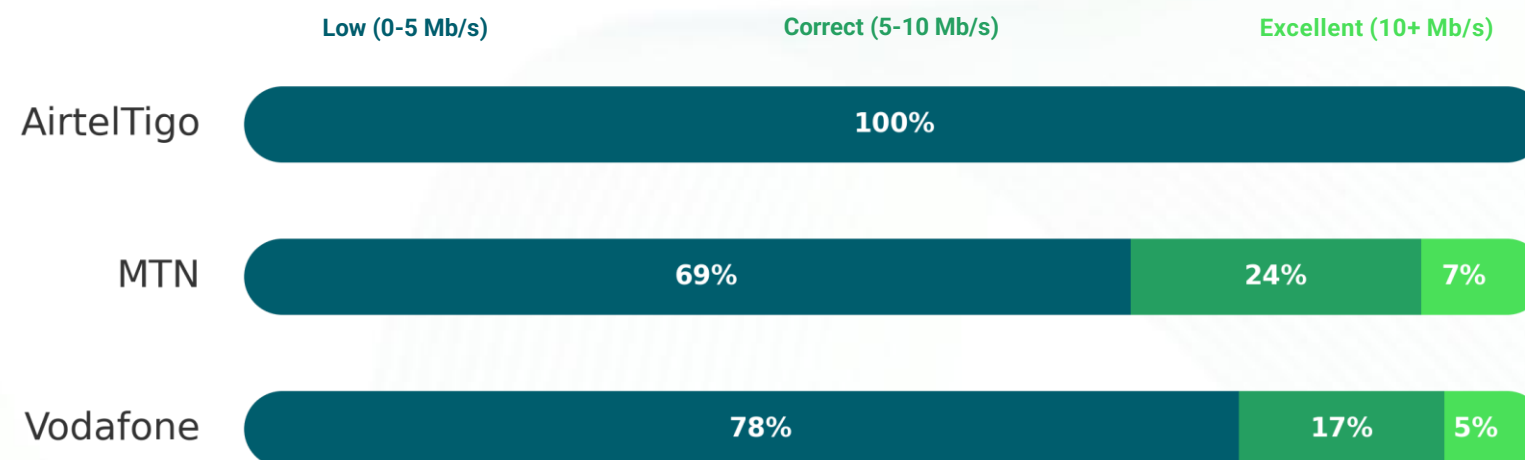
Upload Speed (average)



Source : nPerf.com

The subscribers of MTN enjoyed the best Mobile Internet Upload Speed in 2025.

Upload Speed results ventilation (average)



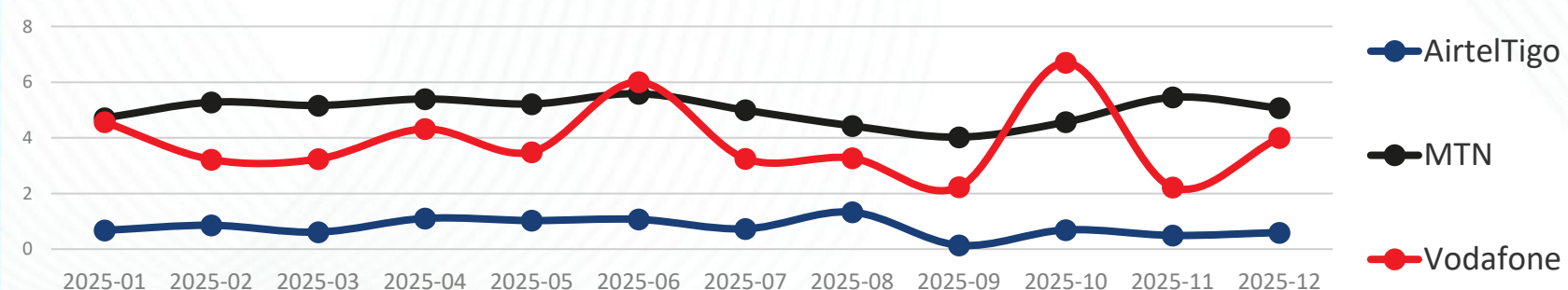
Source : nPerf.com

Upload Speed (average)



Source : nPerf.com

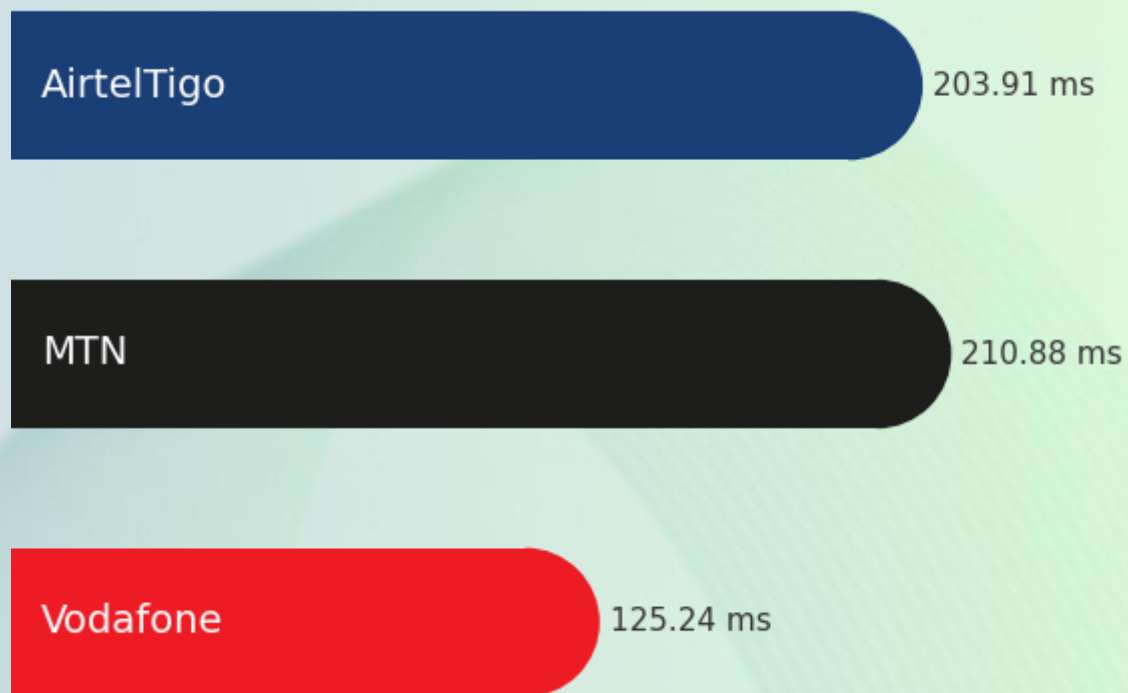
Upload Speed evolution over the year (average)



Source : nPerf.com



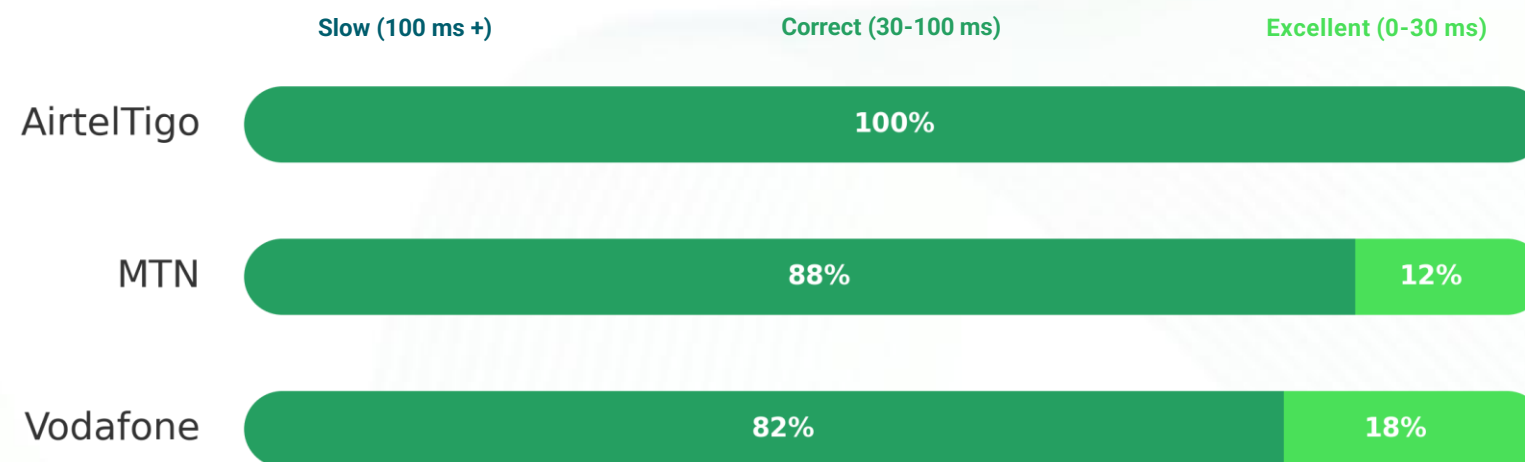
Latency (average)



Source : nPerf.com

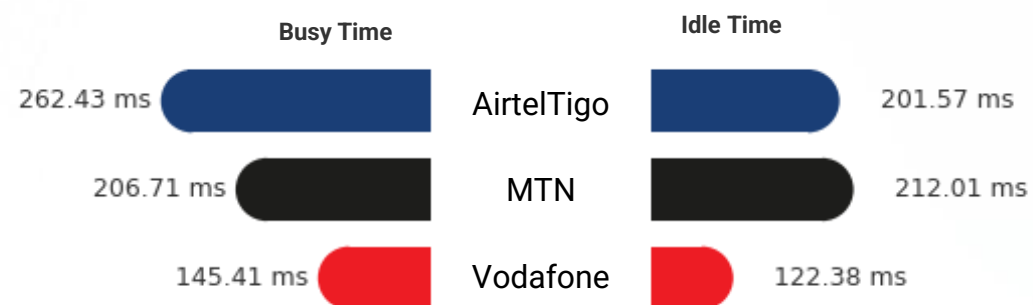
The subscribers of Vodafone enjoyed the best Mobile Internet Latency in 2025.

Latency results ventilation (average)



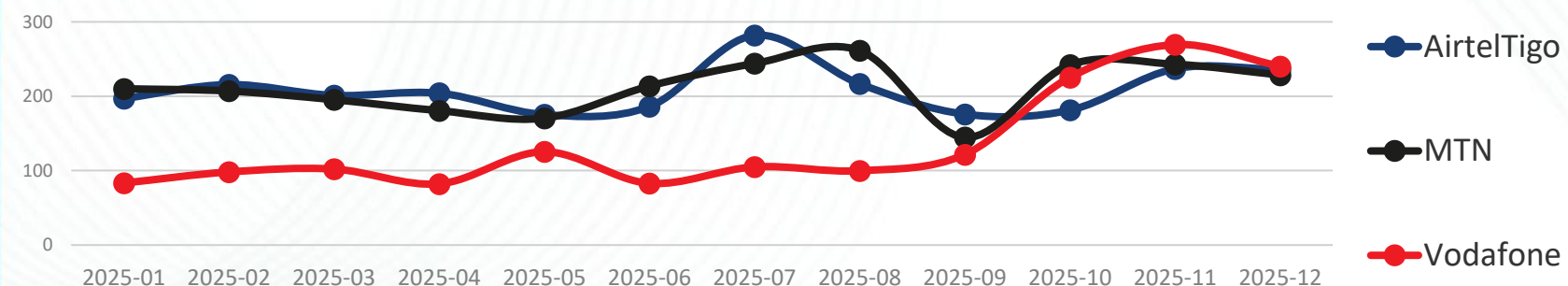
Source : nPerf.com

Latency (average)



Source : nPerf.com

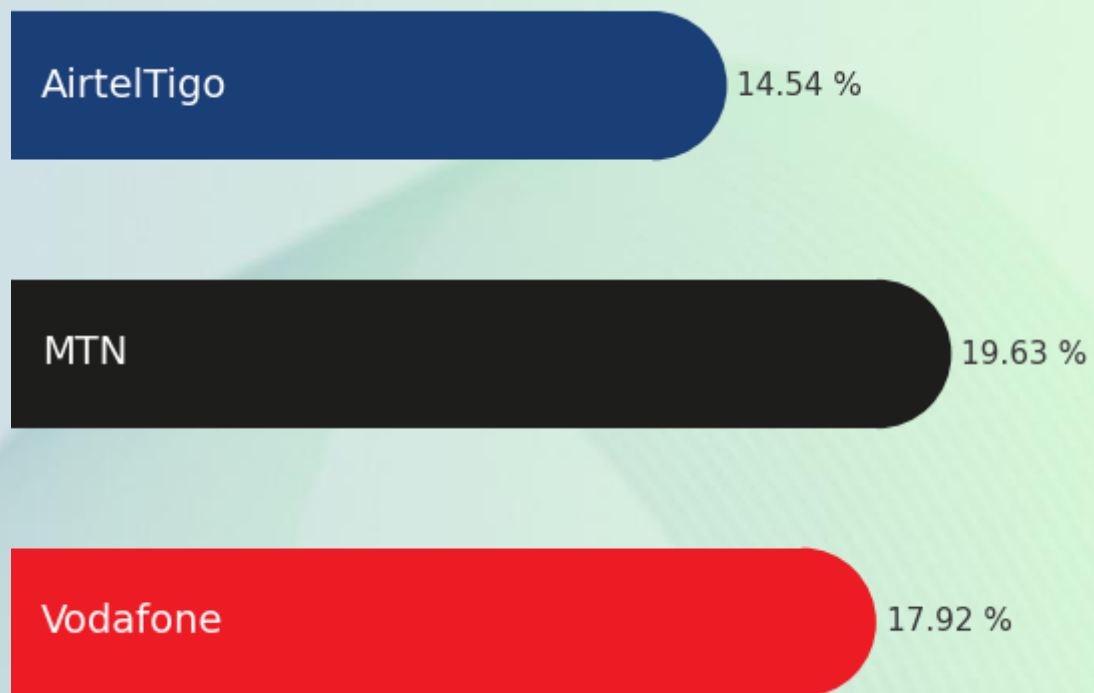
Latency evolution over the year (average)



Source : nPerf.com



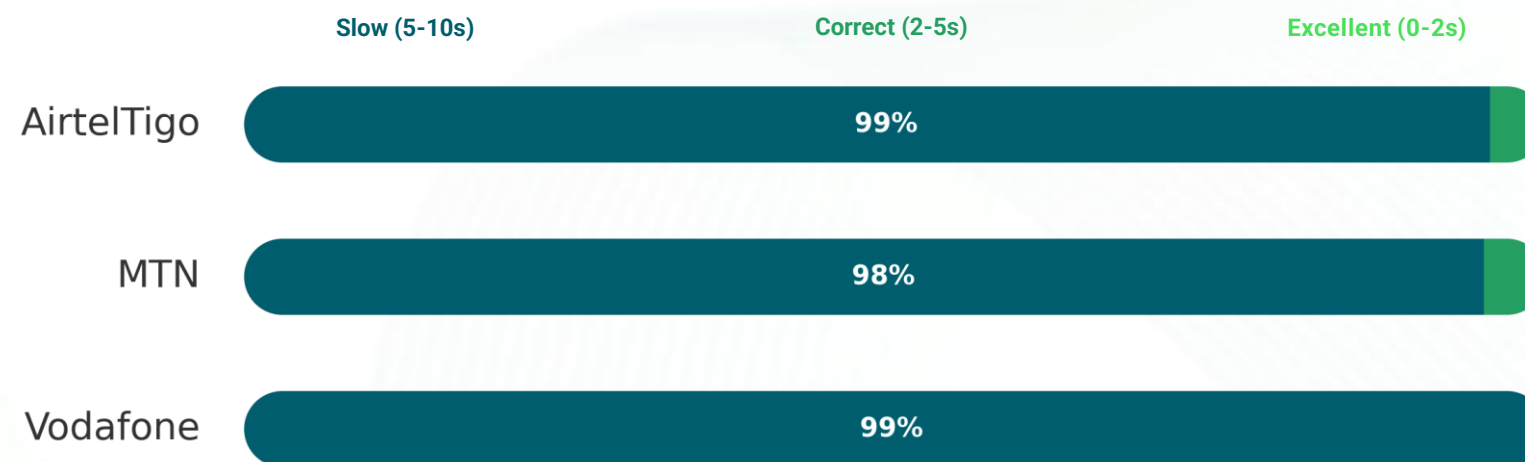
Browsing Performance (average)



Source : nPerf.com

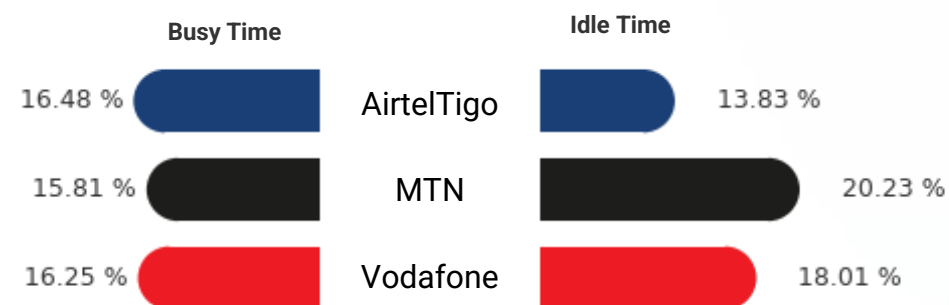
The subscribers of MTN enjoyed the best Mobile Internet Browsing Performance in 2025.

Browsing Performance results ventilation (average)



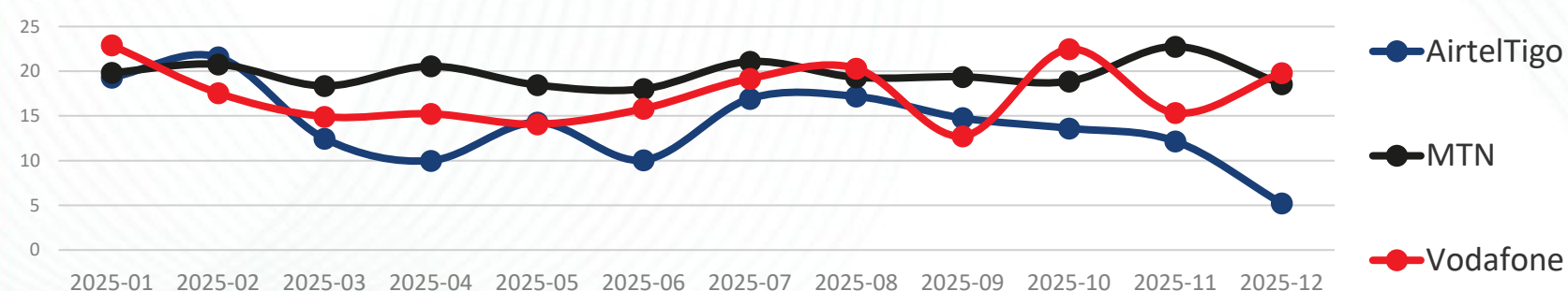
Source : nPerf.com

Browsing Performance (average)



Source : nPerf.com

Browsing Performance evolution over the year (average)



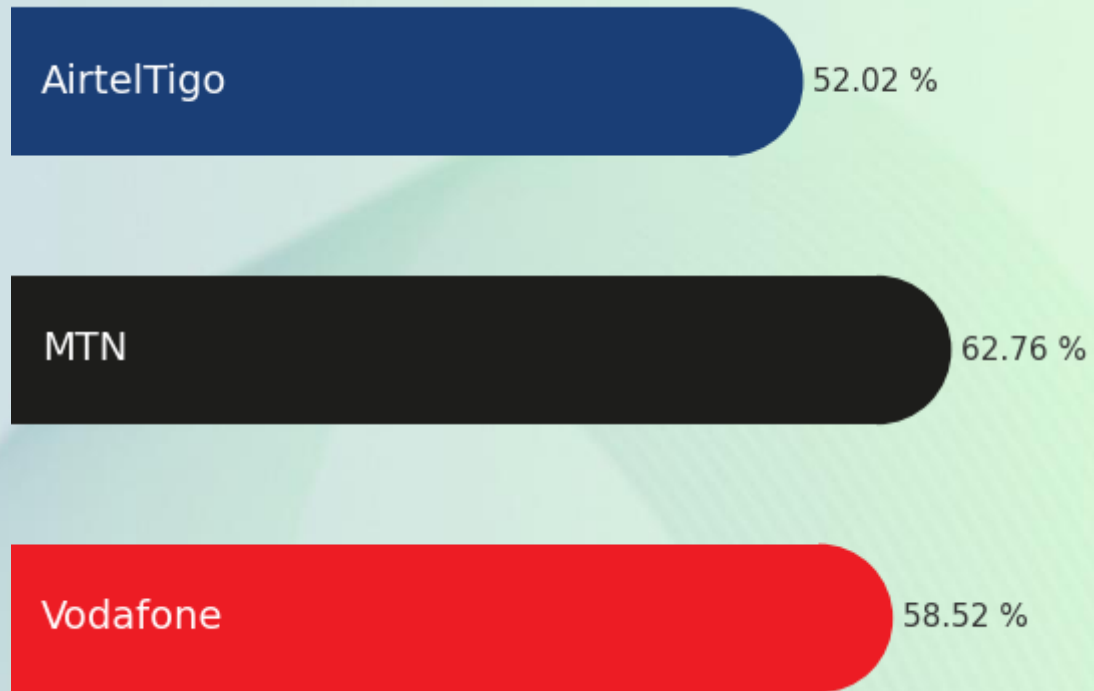
Source : nPerf.com



Streaming Performance



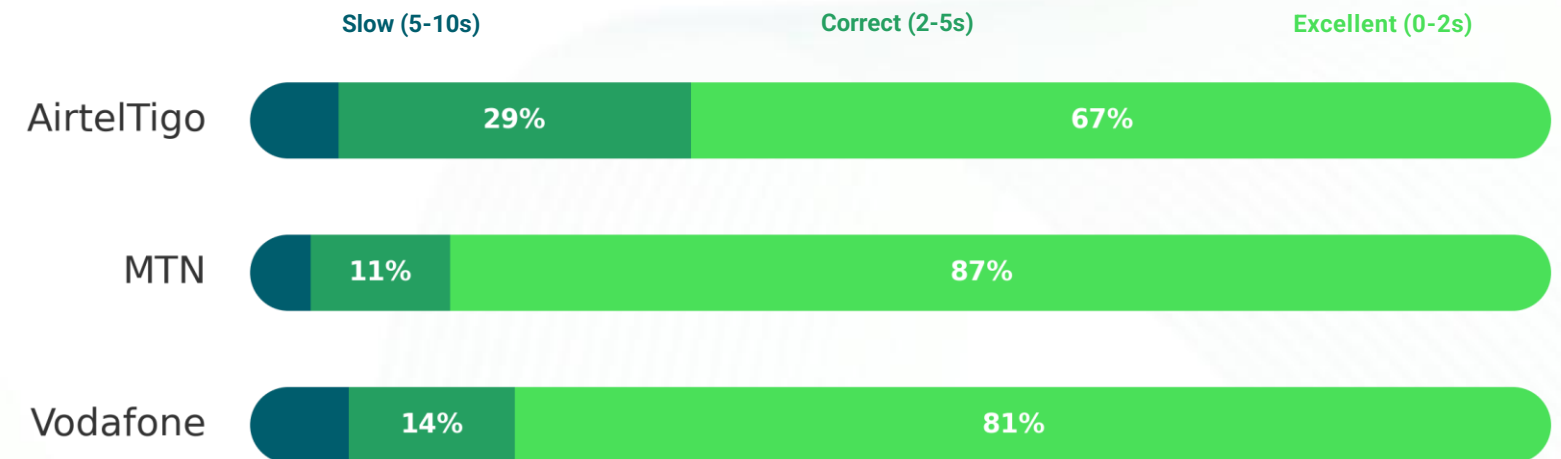
Streaming Performance (average)



Source : nPerf.com

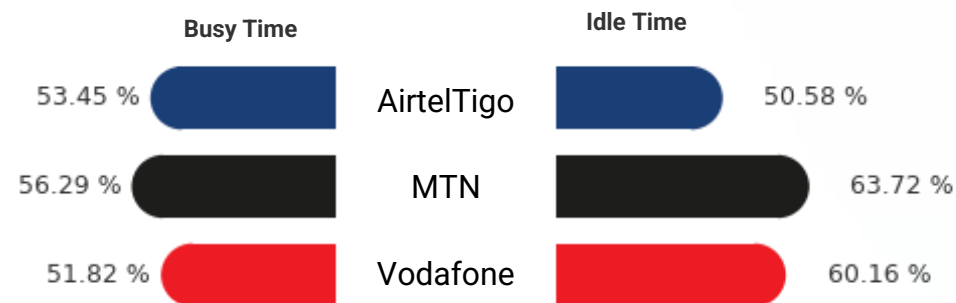
The subscribers of MTN enjoyed the best Mobile Internet Streaming Performance in 2025.

Streaming Performance results ventilation (average)



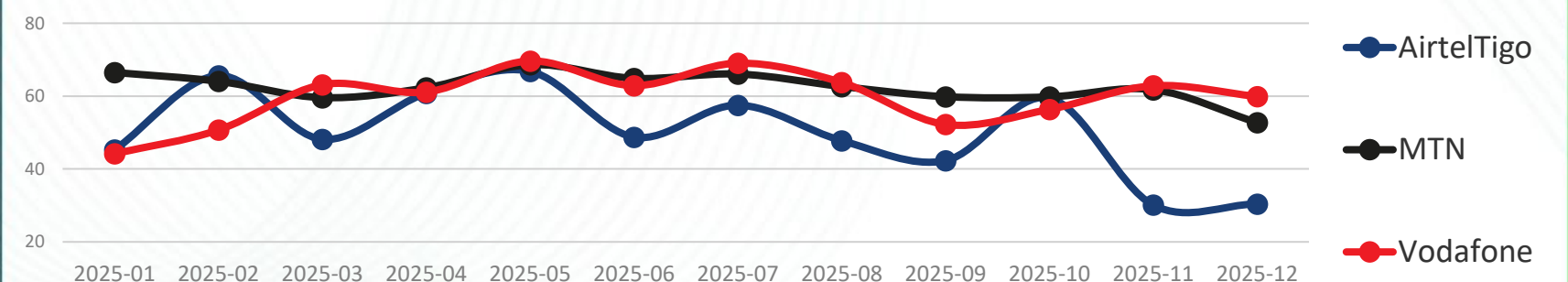
Source : nPerf.com

Streaming Performance (average)



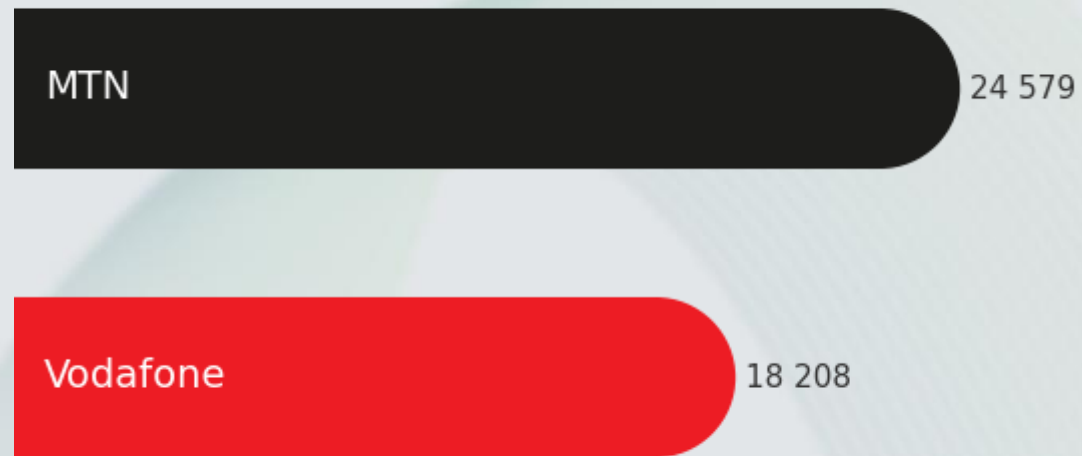
Source : nPerf.com

Streaming Performance evolution over the year (average)



Source : nPerf.com

nPerf QoE nPerf Score (nPoints)



Source : nPerf.com

The subscribers of MTN enjoyed the best 4G Internet in 2025.

Best performances 4G: MTN

Fastest performances (Download Speed) 4G: MTN

Fastest performances (Upload Speed) 4G: MTN

4G connections with the lowest latency: Vodafone

Best web browsing performances 4G: MTN and Vodafone

Best streaming performances 4G: MTN

Source : nPerf.com

MTN



1

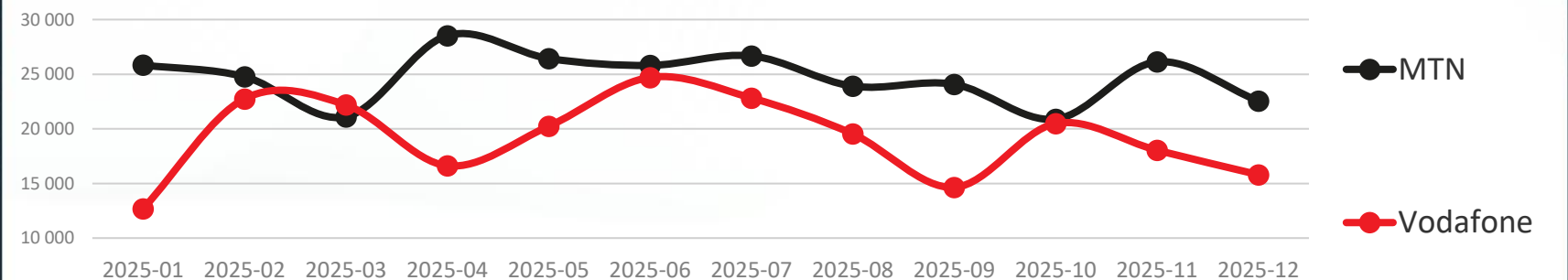
vodafone



2

Source : nPerf.com

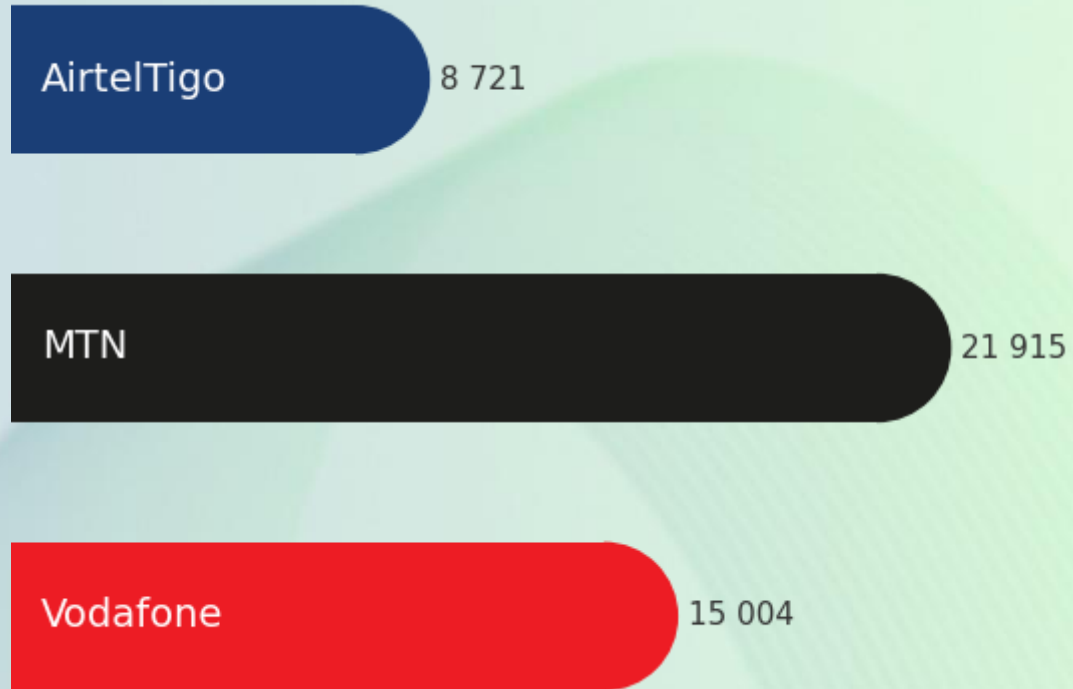
4G evolution over the year (average)



Source : nPerf.com



nPerf QoE nPerf Score (nPoints)

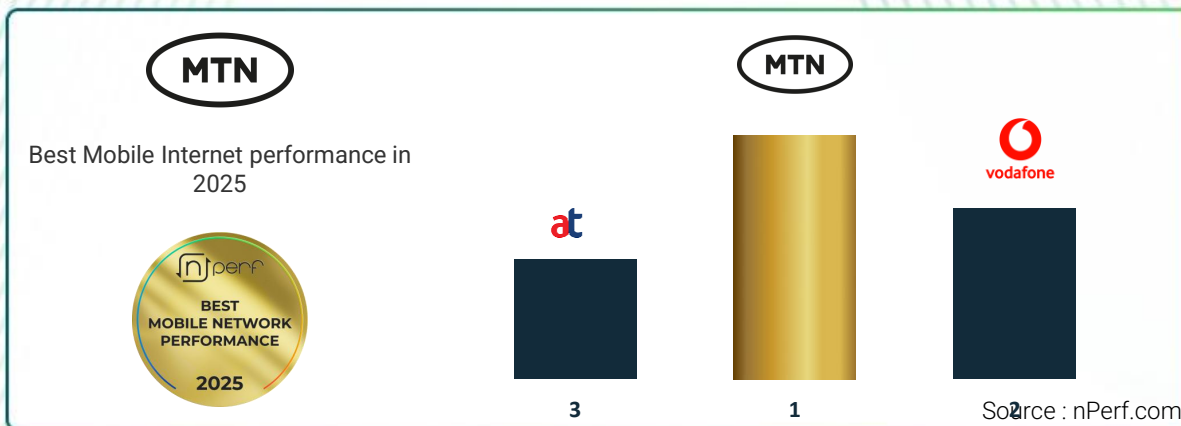


Source : nPerf.com

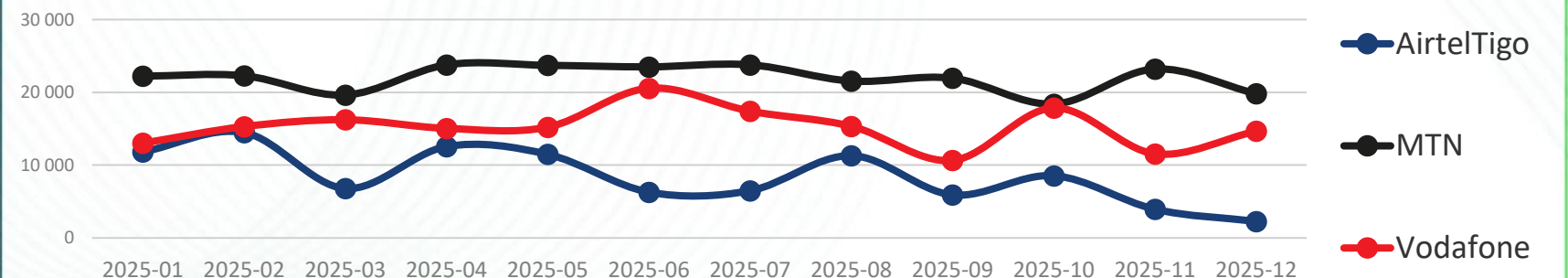
The subscribers of MTN enjoyed the best Mobile Internet performances in 2025.

The nPerf score takes into account the measured bitrates, the latency and the QoE tests. The value of the points for the rates and the latency is calculated on a logarithmic scale, to better represent the perception of the user. Thus, this score reflects the overall quality of the connection experienced by the user.

Source : nPerf.com



nPerf QoE nPerf Score evolution over the year (average)



Source : nPerf.com

