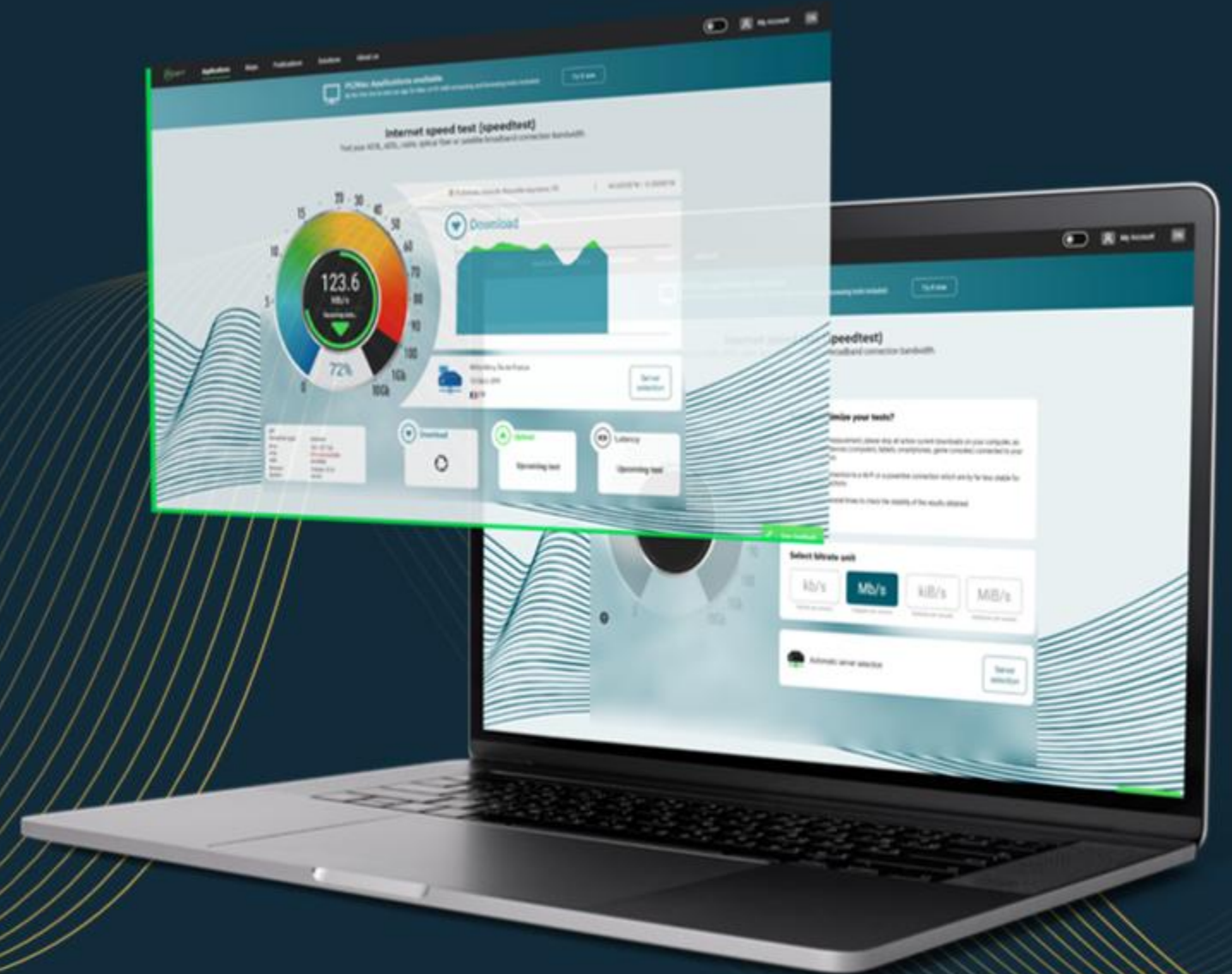


04/10/2025

Barometer of fixed Internet connections in Kenya

04/01/2024 - 03/31/2025



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nPerf**

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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.

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Test your connection
on nPerf.com

2. Executive Summary



The subscribers of Faiba enjoyed the best fixed Internet performances in 2025.

Fixed Internet connections in Kenya

	Faiba	Mawingu WiFi	Safaricom	Zuku
▼ Download bitrates (Mb/s)	33.11	7.24	29.00	25.44
▲ Upload bitrates (Mb/s)	29.68	6.97	21.42	22.76
◀▶ Latency (ms)	49.69	48.63	48.93	41.80
🌐 Web browsing (%)	39.30	27.36	37.25	38.19
🎥 Youtube streaming (%)	69.74	48.71	72.07	69.28
📊 nPerf Score (nPoints)	53 975	24 430	51 709	51 394

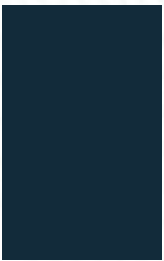
Source : nperf.com



Best fixed Internet performance
in 2025









Source : nperf.com



Source : nperf.com

The subscribers of Faiba and Safaricom enjoyed the best WIFI Internet performances in Kenya in 2025.

WIFI fixed Internet connections in Kenya

	Faiba	Mawingu WiFi	Safaricom	Zuku
 Download bitrates (Mb/s)	21.39	5.32	20.87	15.07
 Upload bitrates (Mb/s)	17.90	4.88	17.88	11.31
 Latency (ms)	50.35	49.57	46.81	42.49
 Web browsing (%)	40.83	27.25	38.87	38.76
 Youtube streaming (%)	71.23	49.28	71.24	70.09
 nPerf Score (nPoints)	49 281	21 620	48 849	44 445

Source : nperf.com

Faiba maintains its position as the market leader in Kenya's fixed-line internet market with a score of 53,975 nPoints. Safaricom follows closely with 51,709 nPoints, creating a competitive WiFi segment where both operators share the top position. Zuku delivers the best latency performance at 41.8 ms, providing users with responsive online experiences. Telkom leads in upload speeds at 31.8 Mbps, enabling efficient file sharing and video conferencing, while Faiba offers the fastest download speeds at 33.1 Mbps. For browsing quality, Faiba is n°1 with a 39.3% success rate, and Safaricom provides the best video streaming experience

Faiba: Consistent leadership across key metrics

Faiba solidifies its position as Kenya's n°1 fixed internet provider with 53,975 nPoints. The operator excels in WiFi performance and maintains its leadership in download speeds at 33.1 Mbps, allowing users to efficiently download large files. Faiba also offers the best browsing experience with 39.3%, ensuring webpages load smoothly. With good upload speeds of 29.7 Mbps and solid video streaming quality at 69.7%, Faiba delivers a well-rounded internet experience suitable for most household needs.

Safaricom: Superior streaming experience

Safaricom achieves 51,709 nPoints, securing the 2nd position in the overall ranking and sharing the top spot with Faiba in the WiFi segment. The operator stands out with the best video streaming performance at 72.1%, providing users with smooth HD streaming experiences. Safaricom also delivers good download speeds of 29.0 Mbps and reasonable latency of 48.9 ms, making it a solid choice for entertainment-focused users who prioritize reliable video content consumption.

Zuku: Leading in network responsiveness

With 51,394 nPoints, Zuku places 3rd in Kenya's fixed internet ranking. The operator distinguishes itself by offering the best latency at 41.8 ms, ideal for responsive online gaming and video calls without noticeable delays. Zuku also performs well in browsing quality with a 38.2% success rate, placing 2nd in this category. Its balanced performance across download speeds (25.4 Mbps) and upload speeds (22.8 Mbps) makes it particularly suitable for users requiring responsive internet for interactive applications.

Mawingu WiFi: Accessible connectivity

Mawingu WiFi achieves 24,430 nPoints, positioning itself as the 5th provider in Kenya's fixed internet market. While its speeds are more modest compared to other operators, with 7.2 Mbps download and 7.0 Mbps upload, it maintains reasonable latency at 48.6 ms. Mawingu WiFi represents an access point to internet connectivity with acceptable performance for basic online activities.

In conclusion, Faiba maintains its leadership in Kenya's fixed internet market, with strong competition from Safaricom in the WiFi segment. The market shows healthy differentiation, with each operator demonstrating strengths in specific areas Zuku in latency and Safaricom in streaming quality. This diversity offers Kenyan consumers various options tailored to their specific internet usage needs.

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 main 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

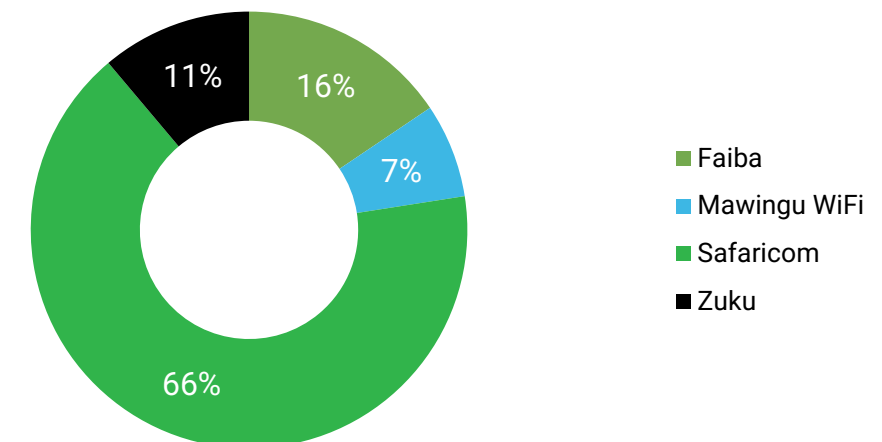
The video streaming test gauges the load time of a fully loaded video in three resolutions on YouTube, considering stalls during playback. This indicator reflects the perceived quality by the user.

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 3.0% precision for absolute values, 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.

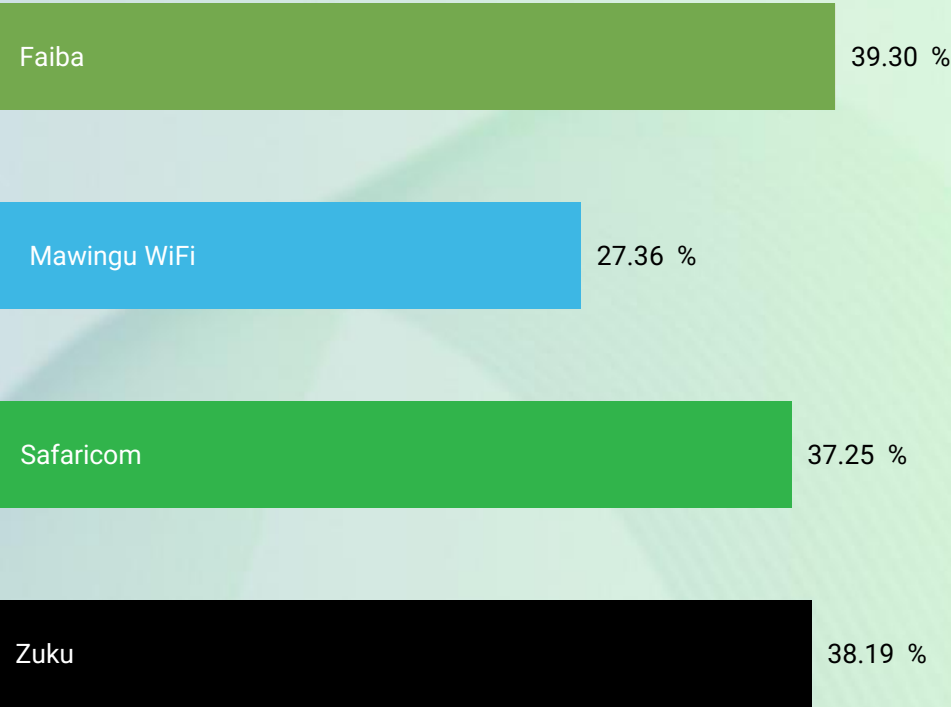
Overall distribution of the tests per provider (ISPs Share)



Source : nperf.com



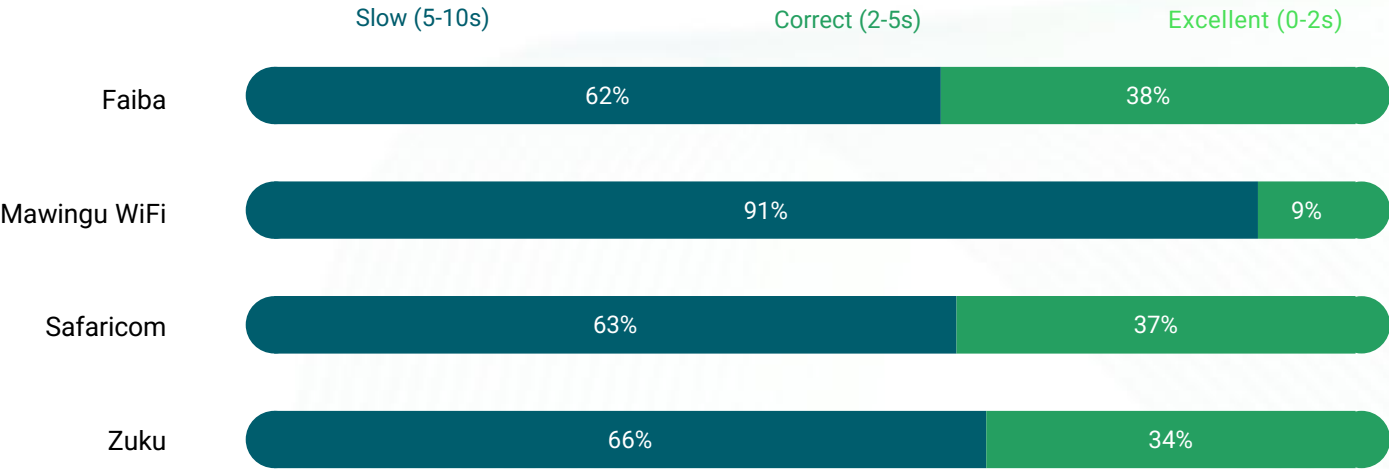
Browsing Performance rate (average)



Source : nperf.com

The subscribers of Faiba enjoyed the best fixed Internet browsing performance in 2025.

Browsing Performance results ventilation (average)



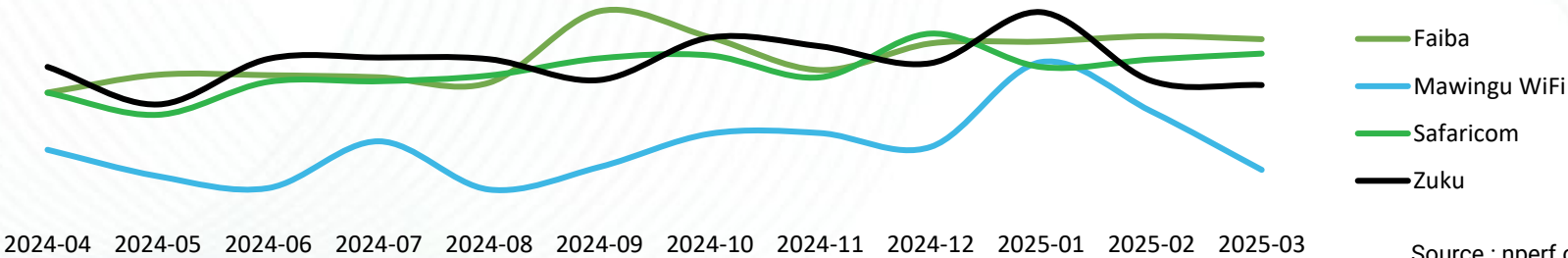
Source : nperf.com

Browsing Performance rate (average)



Source : nperf.com

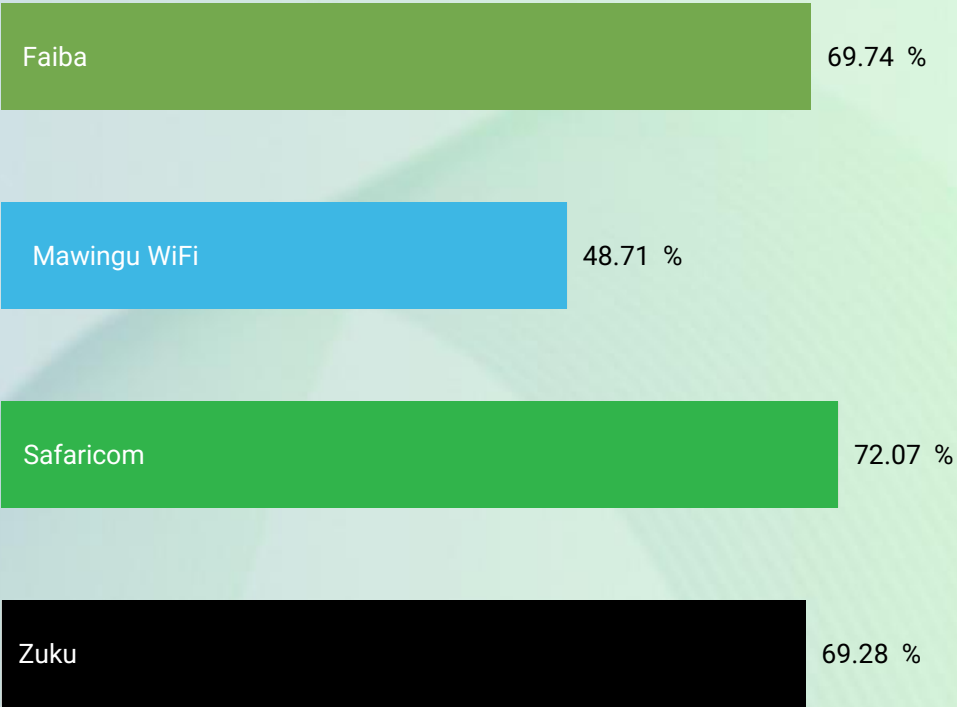
Browsing performance rate (average) evolution over the year



Source : nperf.com



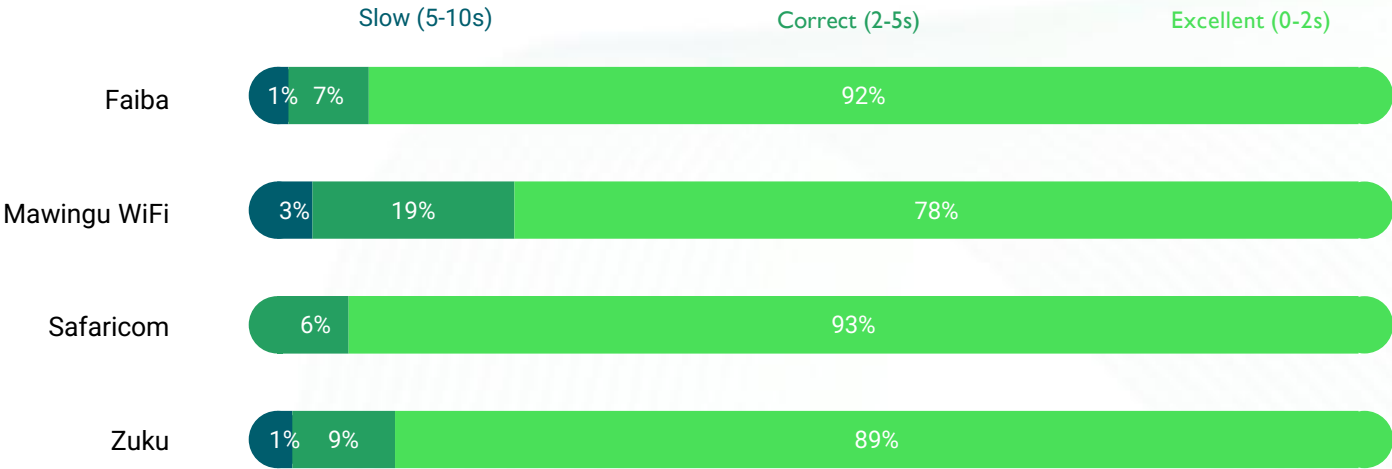
Streaming Performance rate (average)



Source : nperf.com

The subscribers of Safaricom enjoyed the best fixed Internet streaming performance in 2025.

Streaming Performance results ventilation (average)



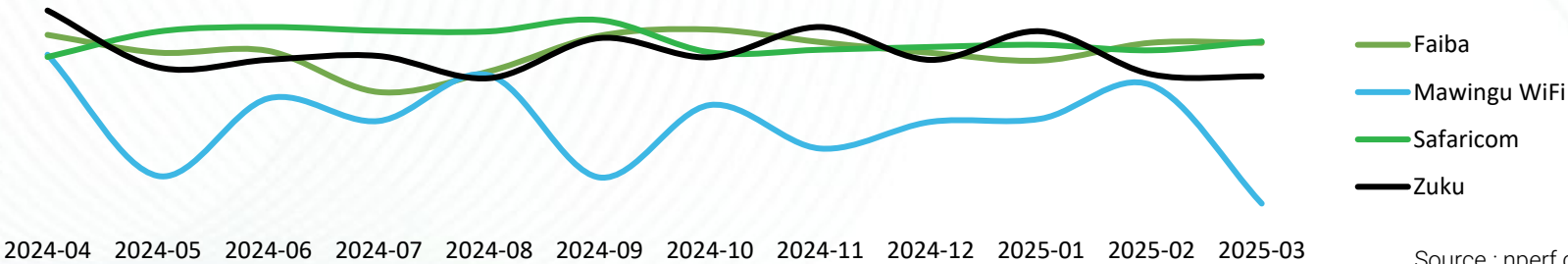
Source : nperf.com

Streaming Performance rate (average)



Source : nperf.com

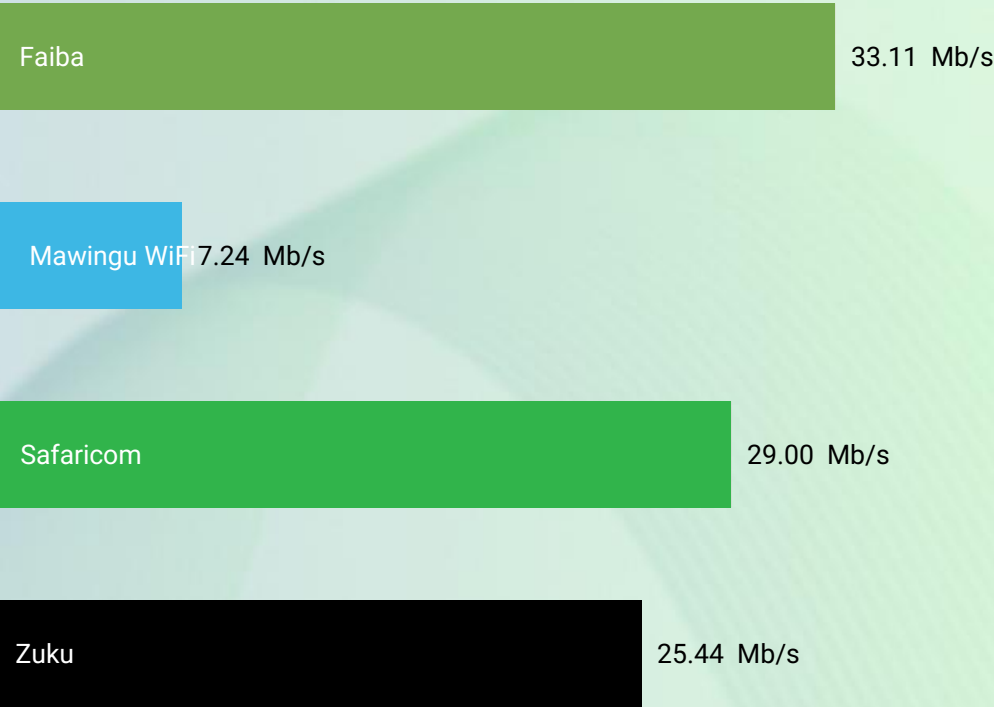
Streaming performance rate (average) evolution over the year



Source : nperf.com



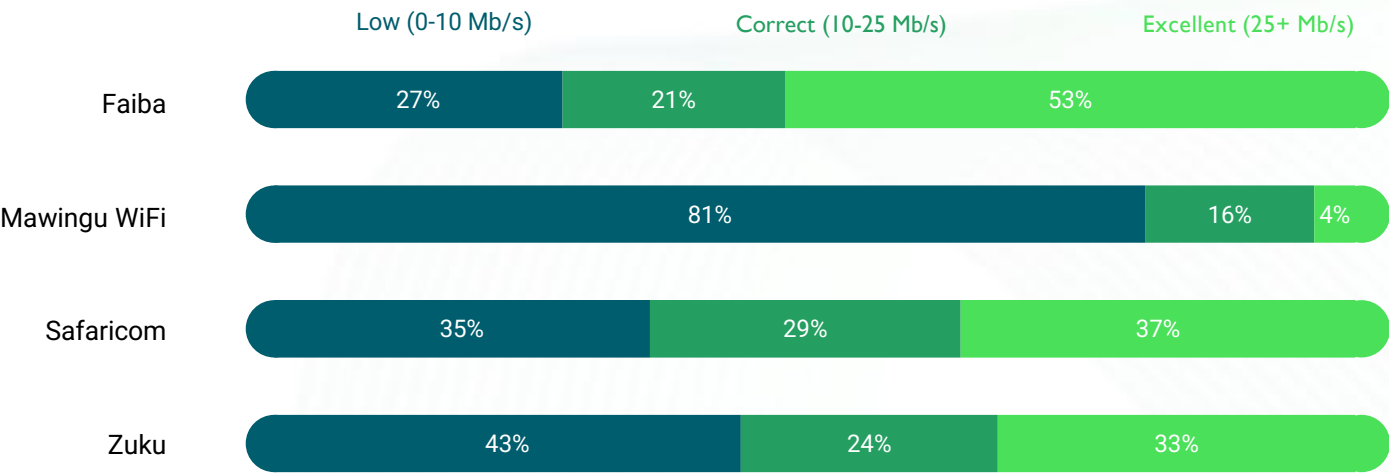
Download Speed (average)



Source : nperf.com

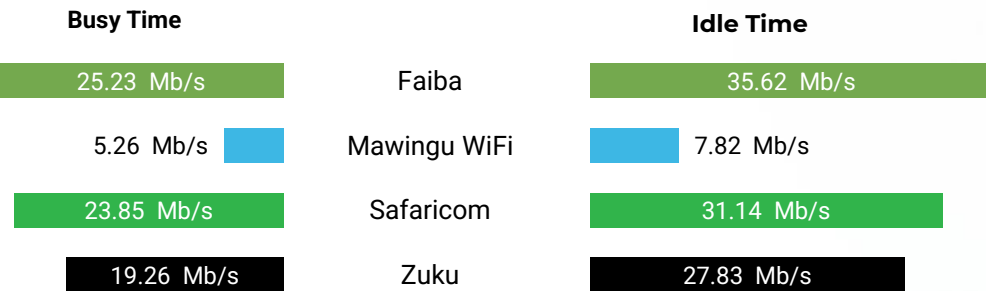
The subscribers of Faiba enjoyed the best average fixed Internet download speed in 2025.

Download Speed results ventilation (average)



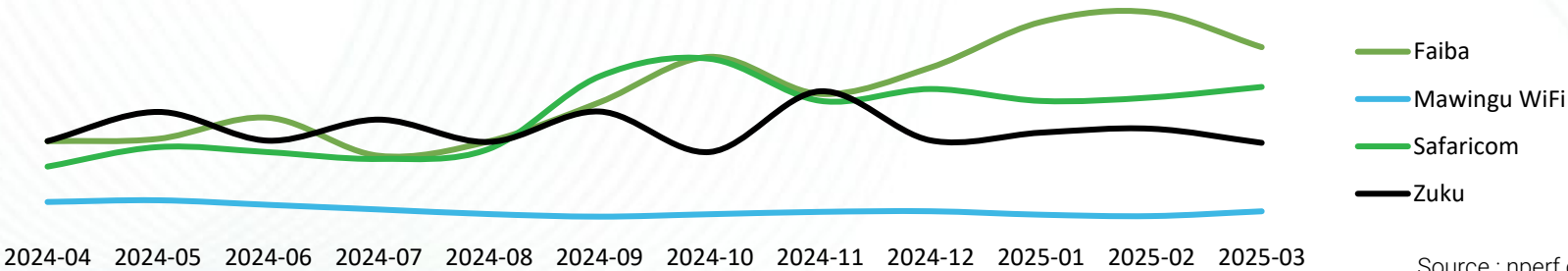
Source : nperf.com

Download Speed (average)



Source : nperf.com

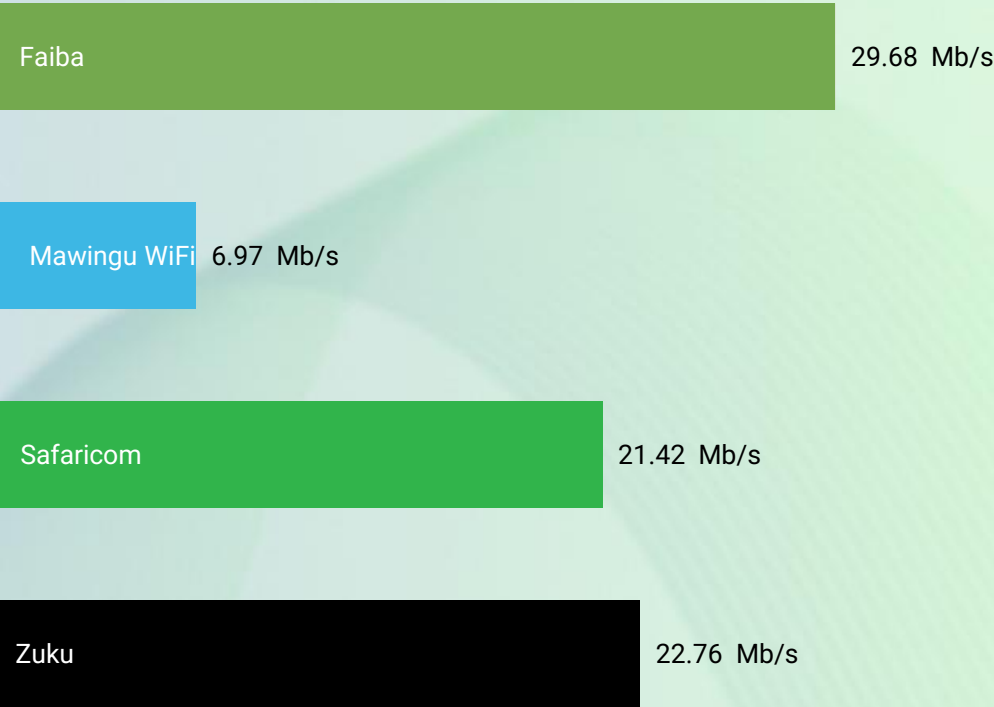
Download Speed evolution over the year (average)



Source : nperf.com



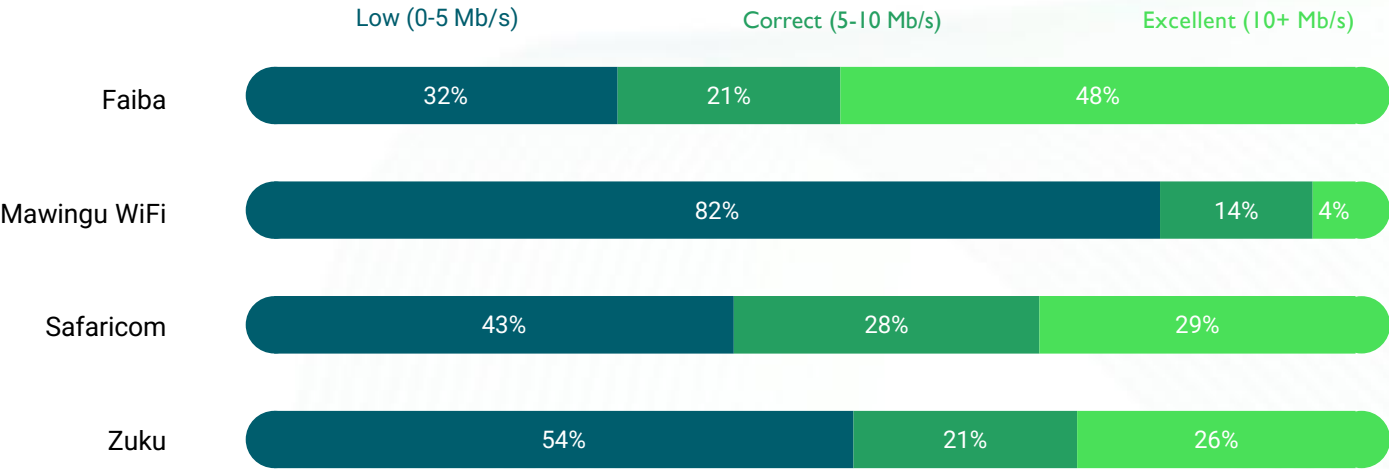
Upload Speed (average)



Source : nperf.com

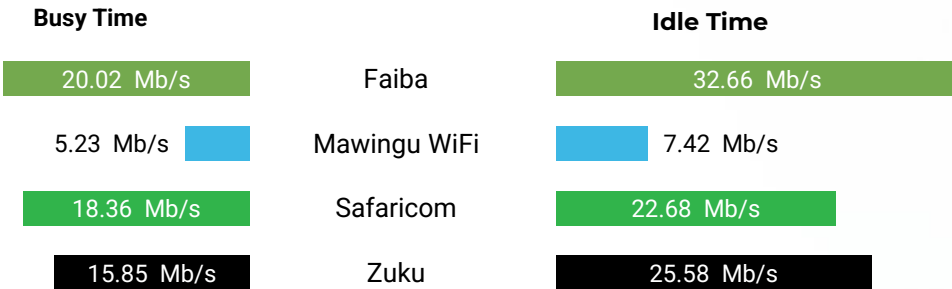
The subscribers of Faiba enjoyed the best average fixed Internet upload speed in 2025.

Upload Speed results ventilation (average)



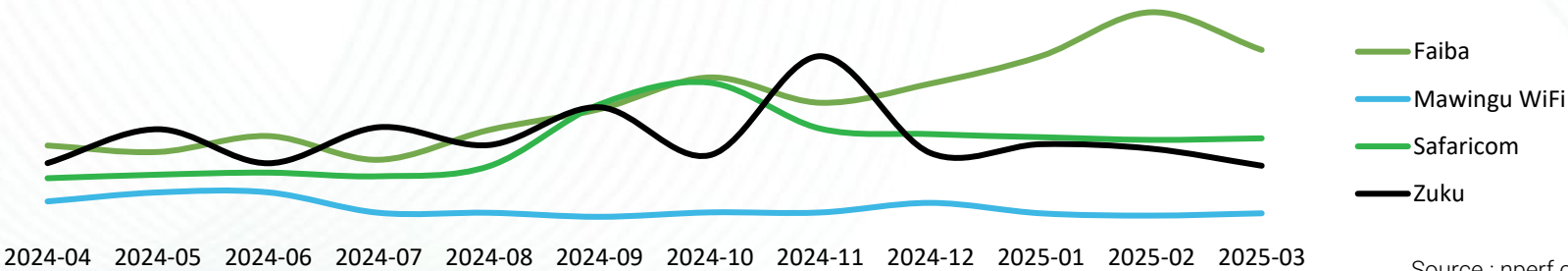
Source : nperf.com

Upload Speed (average)



Source : nperf.com

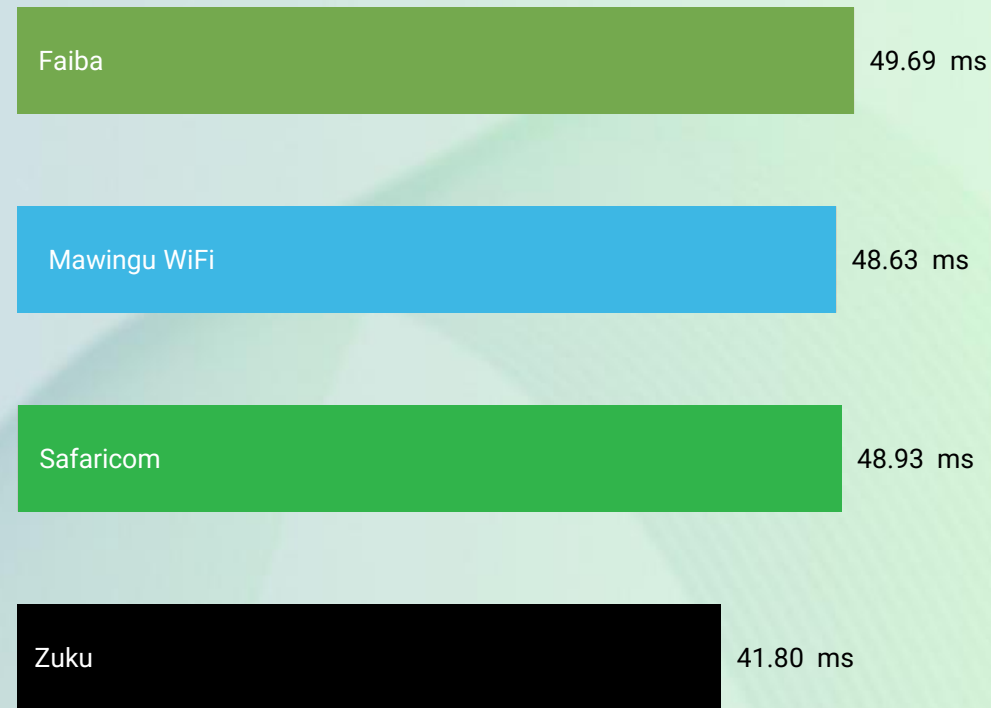
Upload Speed evolution over the year (average)



Source : nperf.com



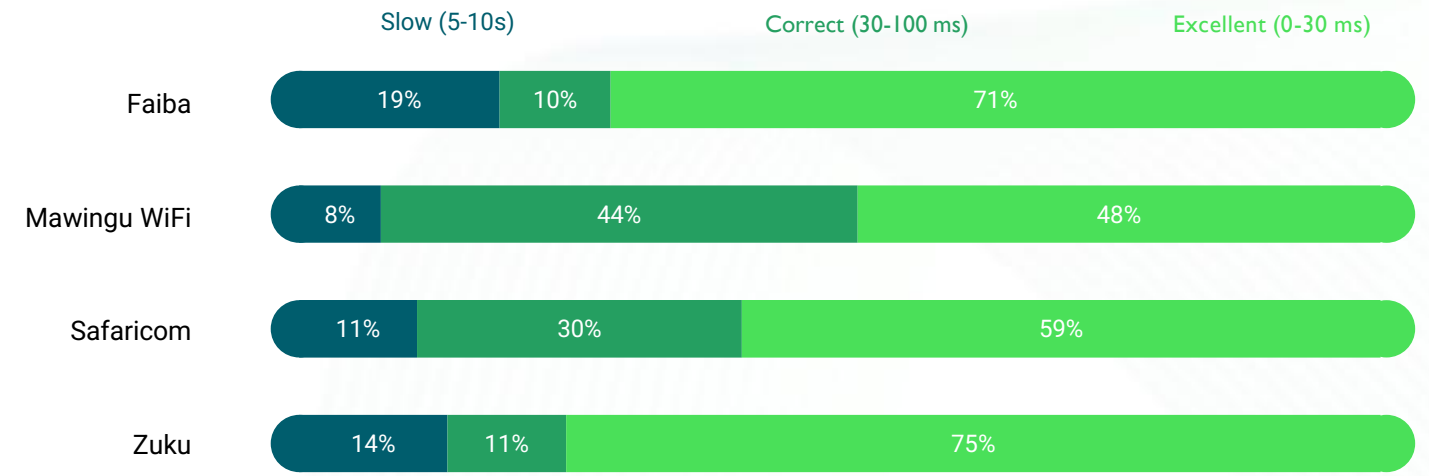
Latency Speed (average)



Source : nperf.com

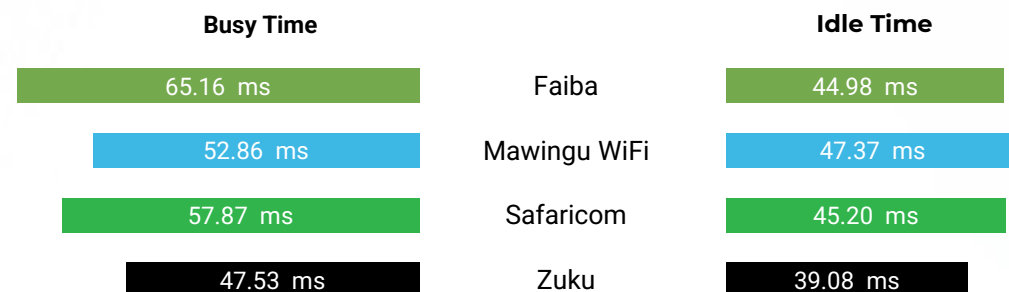
The subscribers of Zuku enjoyed the best average fixed Internet latency speed in 2025.

Latency Speed results ventilation (average)



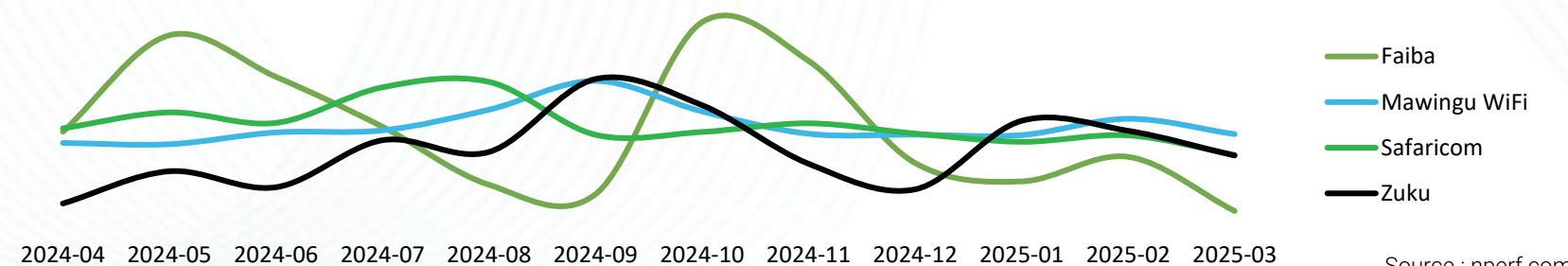
Source : nperf.com

Latency Speed (average)

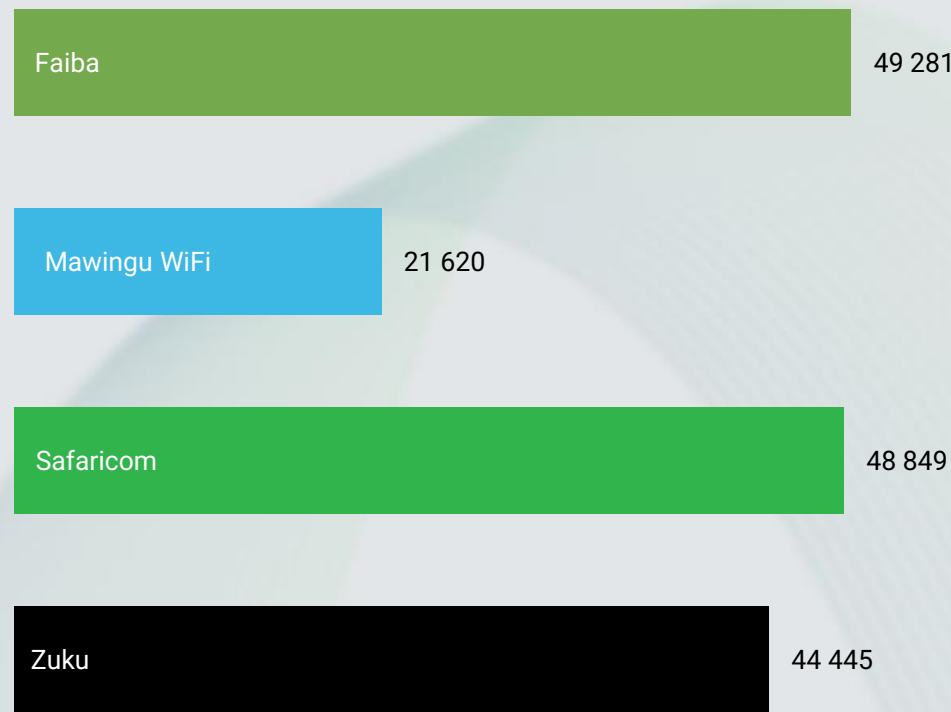


Source : nperf.com

Latency Speed evolution over the year (average)



nPerf Score (nPoints)

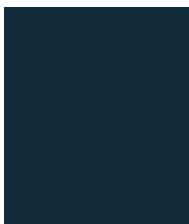


Source : nperf.com

The subscribers of Faiba and Safaricom enjoyed the best WIFI Internet performances in 2025.

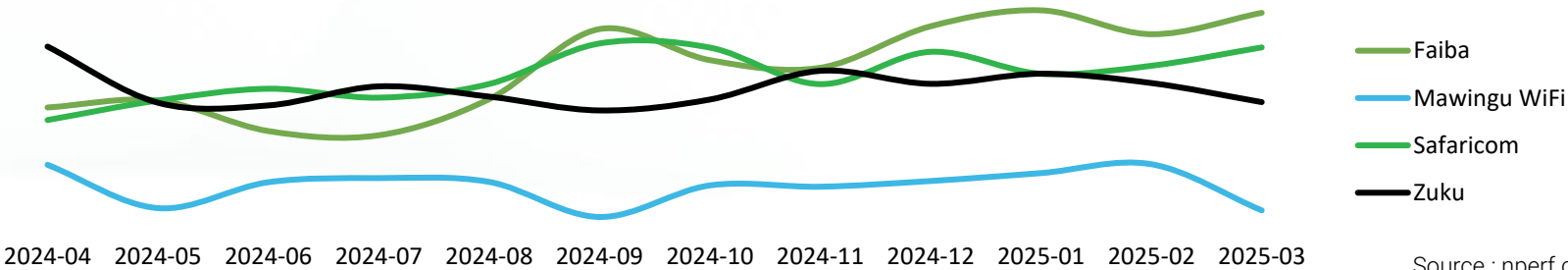
- Best performances WIFI: Faiba and Safaricom
- Best web browsing performances WIFI: Faiba
- Best video streaming performances WIFI: Faiba, Safaricom and Zuku
- Fastest performances (Download) WIFI: Faiba and Safaricom
- Fastest performances (Upload) WIFI: Faiba and Safaricom
- WIFI connections with the lowest latency: Zuku

Source : nperf.com



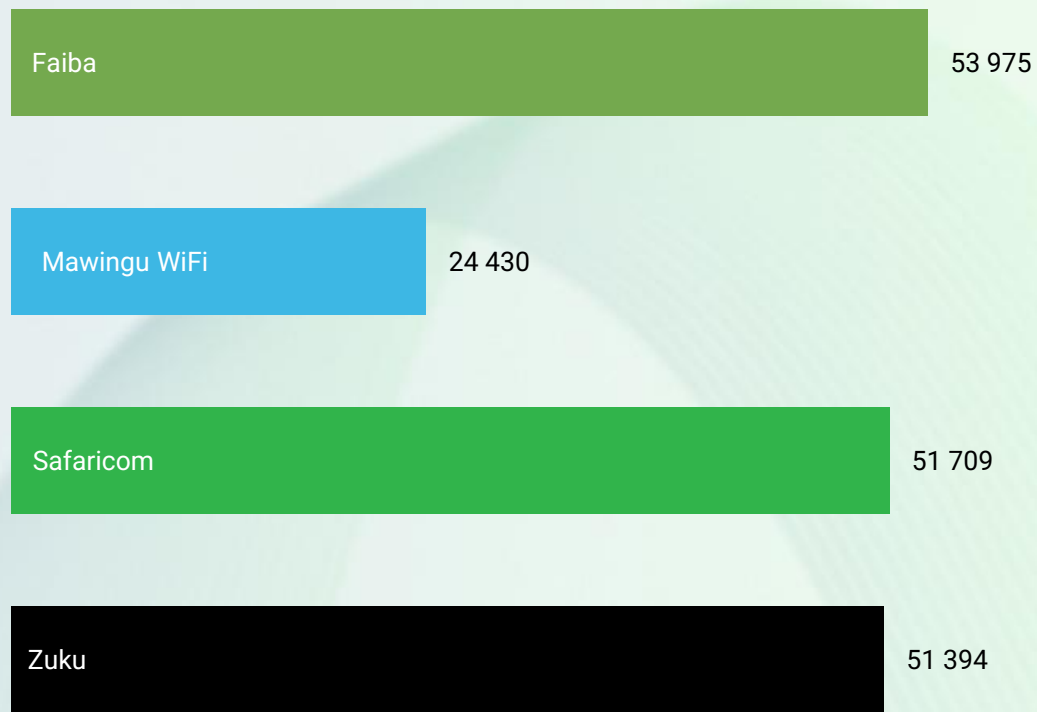
Source : nperf.com

nPerf score evolution over the year (average)



Source : nperf.com

nPerf Score (nPoints)



Source : nperf.com

The subscribers of Faiba enjoyed the best fixed Internet performances in 2025.

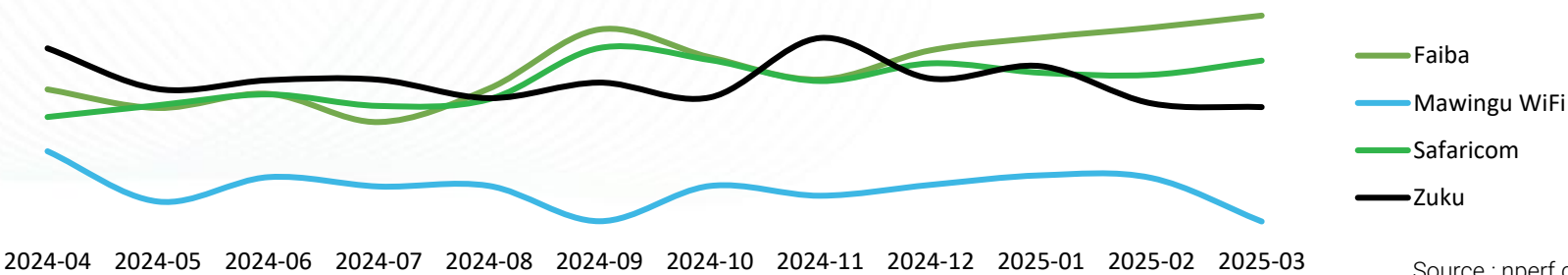
The nperf score takes into account the measured bitrates, the latency and the Qoe tests.
The value of the points for the rates and the latency is calculated on a logarithmic scale, to better represent the perception of the user.
Thus, this score reflects the overall quality of the connection experienced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

Source : nperf.com



Source : nperf.com

nPerf score evolution over the year (average)



Source : nperf.com

The background of the image features a series of thin, light-colored wavy lines that create a sense of motion and depth. These lines are layered and overlap, forming a complex, organic pattern that flows across the entire frame. The lines are most prominent in the center and fade slightly towards the edges.

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