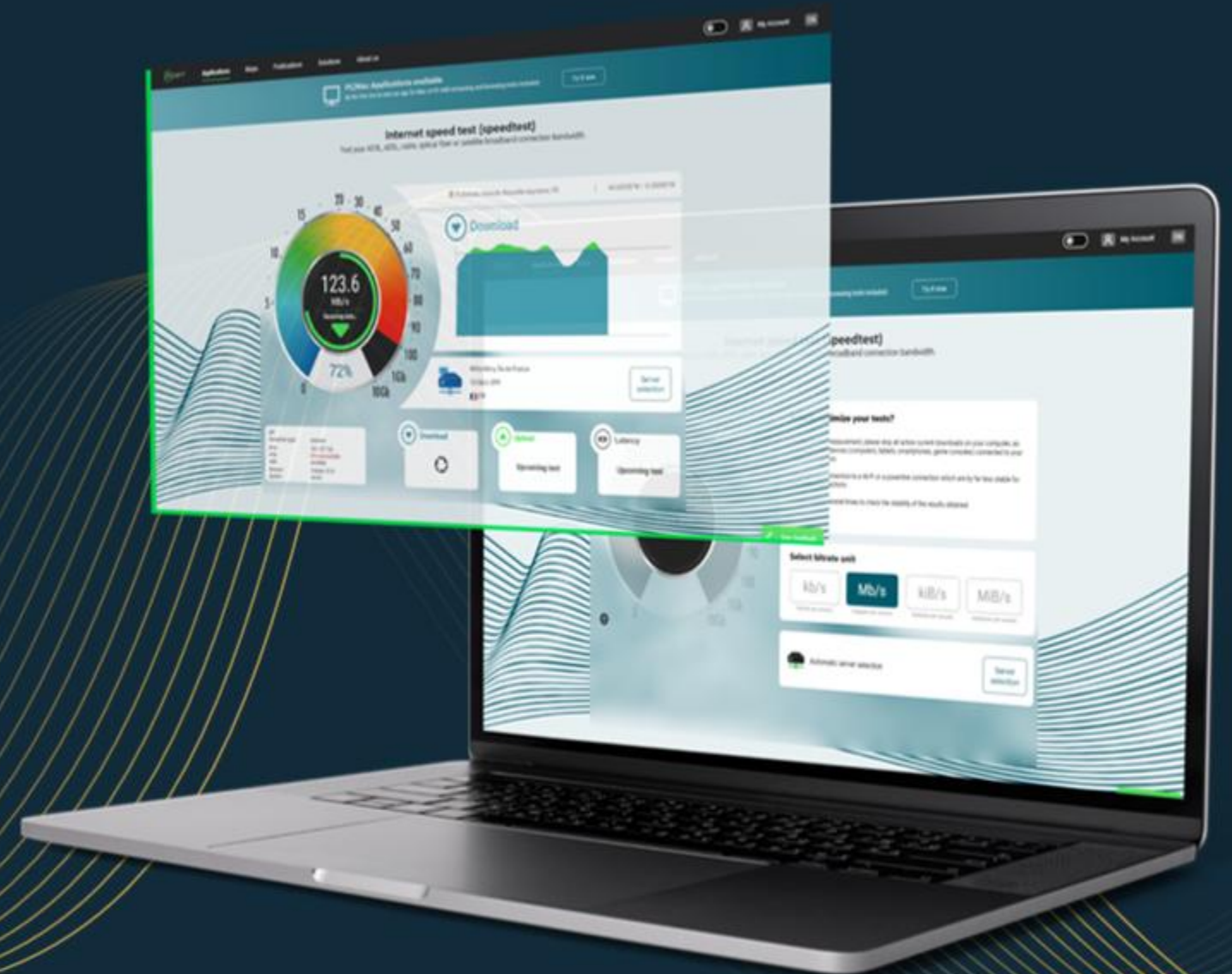


01/15/2025

Barometer of fixed Internet connections in Poland

01/01/2024 - 12/31/2024



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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.

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!



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Test your connection
on nPerf.com

2. Executive Summary



The subscribers of Orange enjoyed the best fixed Internet performances in 2024.

Fixed Internet connections in Poland

	Netia	Orange	Play	Plus	T-Mobile	Vectra
▼ Download bitrates (Mb/s)	234.52	255.21	133.89	43.13	102.26	249.47
▲ Upload bitrates (Mb/s)	112.86	92.58	27.43	12.29	28.47	52.67
◀▶ Latency (ms)	20.84	22.82	31.14	43.89	36.36	29.20
🌐 Web browsing (%)	77.42	77.90	67.79	63.57	68.62	79.06
🎥 Youtube streaming (%)	81.33	88.25	80.46	78.83	81.87	89.26
📊 nPerf Score (nPoints)	124 049	128 254	95 376	69 969	91 642	121 894

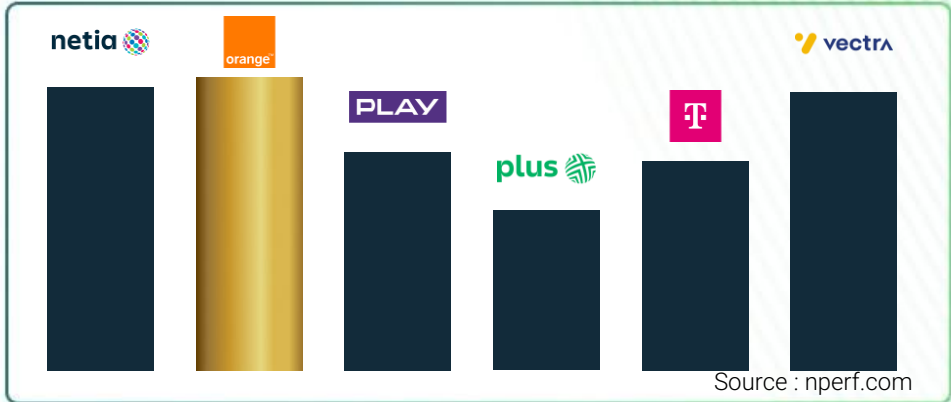
Source : nperf.com



Best fixed Internet performance
in 2024



Source : nperf.com



The subscribers of Orange enjoyed the best FTTH Internet performances in Poland in 2024.

FTTH fixed Internet connections in Poland

	Netia	Orange	Play	Plus	T-Mobile	Vectra
 Download bitrates (Mb/s)	499.93	611.33	485.97	351.15	476.09	378.11
 Upload bitrates (Mb/s)	282.13	239.83	192.45	265.65	219.65	288.07
 Latency (ms)	15.82	12.91	15.29	25.91	16.54	20.35
 Web browsing (%)	85.24	83.65	82.20	86.15	83.72	83.09
 Youtube streaming (%)	86.98	92.70	90.58	97.35	91.67	86.38
 nPerf Score (nPoints)	155 013	162 831	152 972	151 618	154 868	145 403

Source : nperf.com

The subscribers of Netia and Orange enjoyed the best WIFI Internet performances in Poland in 2024.

fixed Internet connections in Poland

	Netia	Orange	Play	Plus	T-Mobile	Vectra
 Download bitrates (Mb/s)	190.57	203.84	123.71	40.76	80.42	199.46
 Upload bitrates (Mb/s)	96.77	75.93	31.15	13.00	28.86	45.83
 Latency (ms)	20.91	24.57	31.15	45.01	38.31	29.33
 Web browsing (%)	77.42	78.42	73.20	62.95	69.49	80.41
 Youtube streaming (%)	81.57	88.74	83.61	77.25	81.56	89.80
 nPerf Score (nPoints)	120 629	123 592	100 683	68 277	88 487	119 263

Source : nperf.com

Introduction

In 2024, in Poland, a significant shift has been observed in the fixed technology sector. The nPerf Score, which reflects the overall performance, highlights Orange as the new sector leader, overtaking the previous year's frontrunner. Orange's rise to the top marks a new leadership in 2024, positioning it as the sector leader. Meanwhile, Netia also demonstrates strong performance, making them co-leaders with Orange in the WiFi focus area. The sector sees dominant performances in various KPIs such as Download speed, where Orange and Vectra share the lead, and Upload speed and Latency, where Netia excels. These trends underscore the competitive nature of the sector and the key strengths of these operators.

Orange: Leader of the sector with Exceptional Performances

For the period analyzed, Orange emerges as the sector leader with a remarkable nPerf Score. The operator dominates the Download speed category alongside Vectra, showcasing its superior data transmission capabilities. Despite not leading in Upload or Latency, Orange's overall performance in other areas solidifies its position at the forefront. The operator also stands out in WiFi, further establishing itself as a key player in the fixed technology domain.

Vectra: Excellence in Download speed and Browsing

Vectra, while not the overall sector leader, excels in Download speed, sharing the top spot with Orange. It also leads in Browsing, maintaining a consistent high performance in these categories. Vectra's strengths in these areas emphasize its commitment to providing robust internet experiences.

Netia: Excellence in Upload and Latency

Netia demonstrates exceptional performance in Upload speed and Latency, leading both categories. This operator's ability to provide fast upload speeds and low latency times highlights its technical prowess in the sector. Additionally, Netia is a co-leader in WiFi, sharing this focus area with Orange.

Play, T-Mobile, and Plus: Notable Improvements

Among the other operators, T-Mobile and Plus have shown significant improvements in their overall nPerf Scores, with increases of 13.8% and 15.0%, respectively. These advancements reflect their ongoing efforts to enhance service quality and competitiveness in the sector.

Conclusion

Orange and Netia lead the sector, with Orange taking the overall lead and both excelling in different focus areas. The Download speed sees a shared leadership between Orange and Vectra, while Netia dominates in Upload speed and Latency. The positive trends and competitive strengths of these operators suggest a dynamic and evolving sector landscape, promising continued advancements and high-quality services for users in Poland.

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

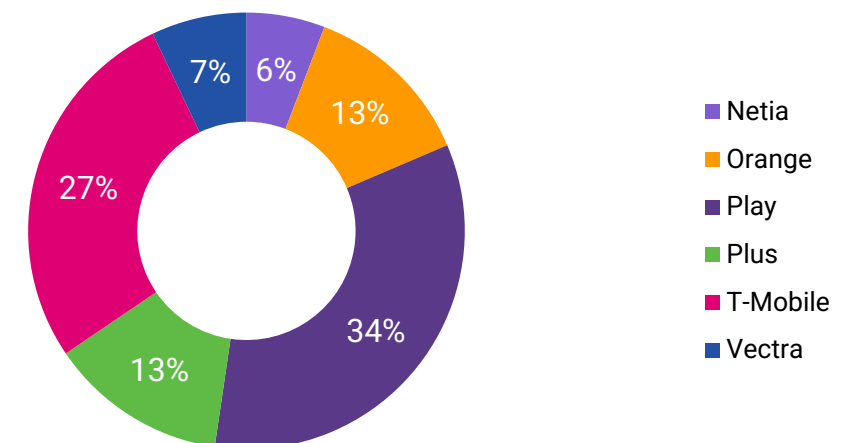
The video streaming test gauges the load time of a fully loaded video in three resolutions on YouTube, considering stalls during playback. This indicator reflects the perceived quality by the user.

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.

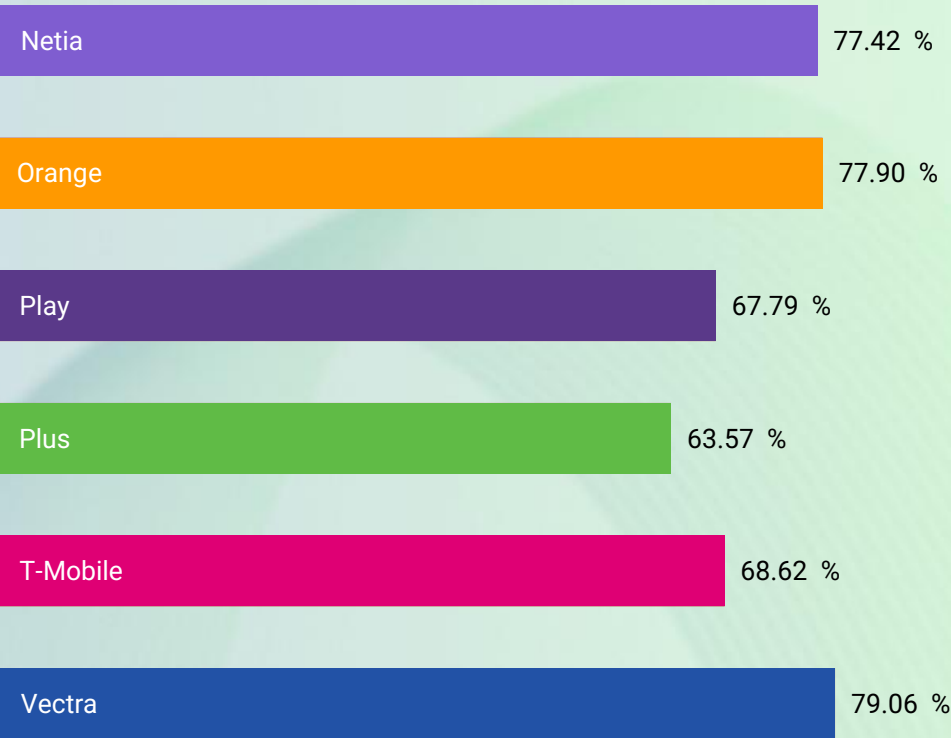
Overall distribution of the tests per provider (ISPs Share)



Source : nperf.com



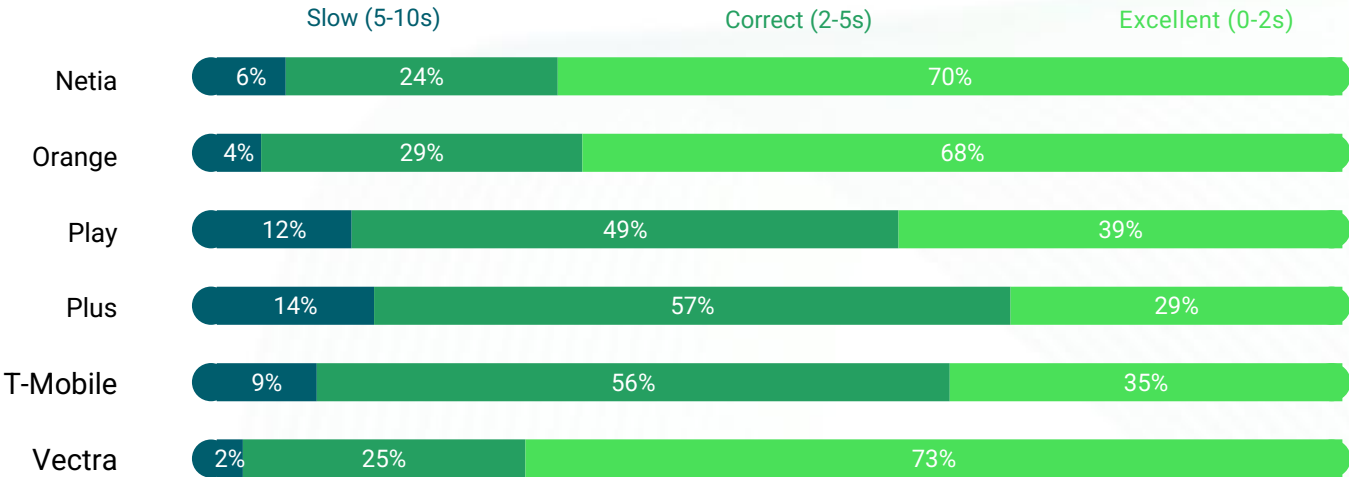
Browsing Performance rate (average)



Source : nperf.com

The subscribers of Vectra enjoyed the best mobile Internet browsing performance in 2024.

Browsing Performance results ventilation (average)



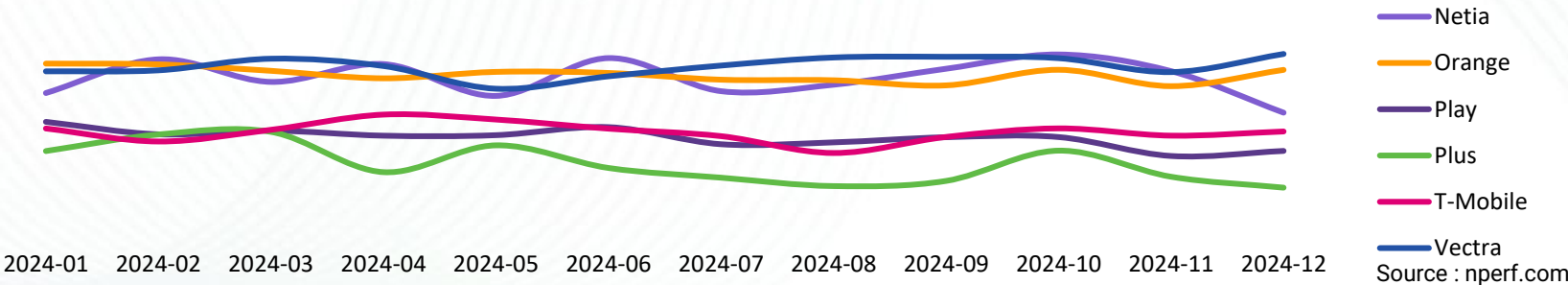
Source : nperf.com

Browsing Performance rate (average)



Source : nperf.com

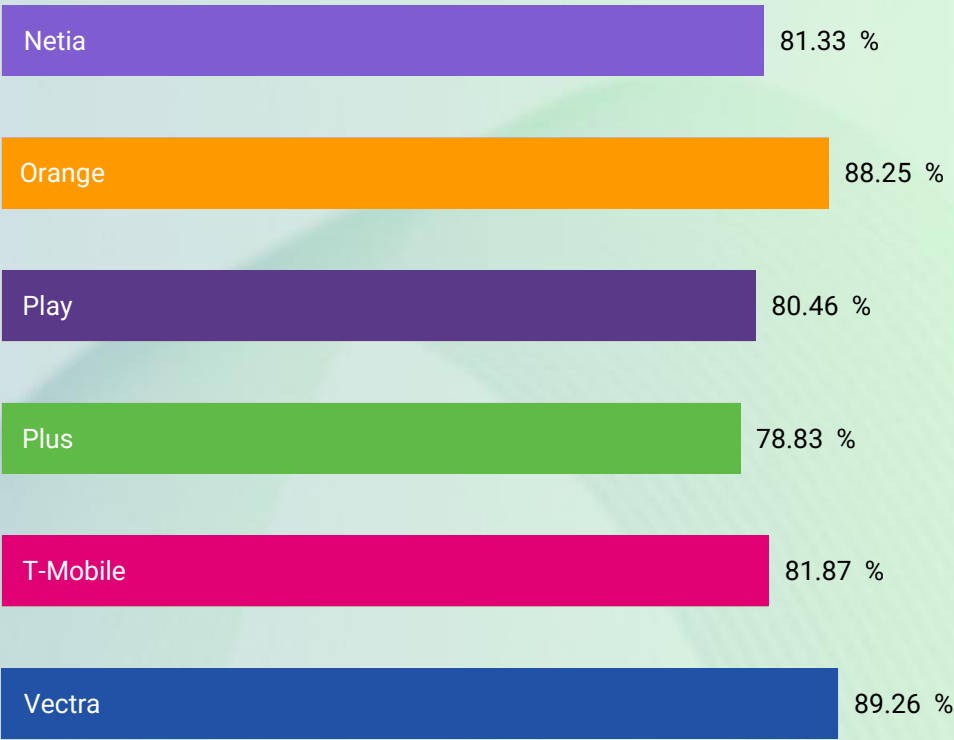
Browsing performance rate (average) evolution over the year



Source : nperf.com



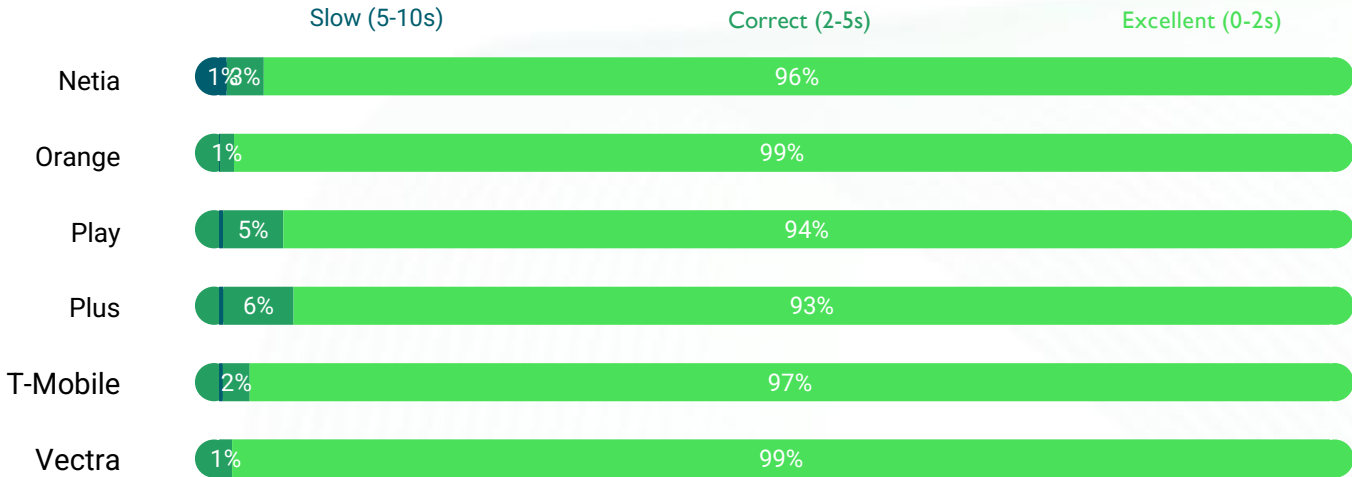
Streaming Performance rate (average)



Source : nperf.com

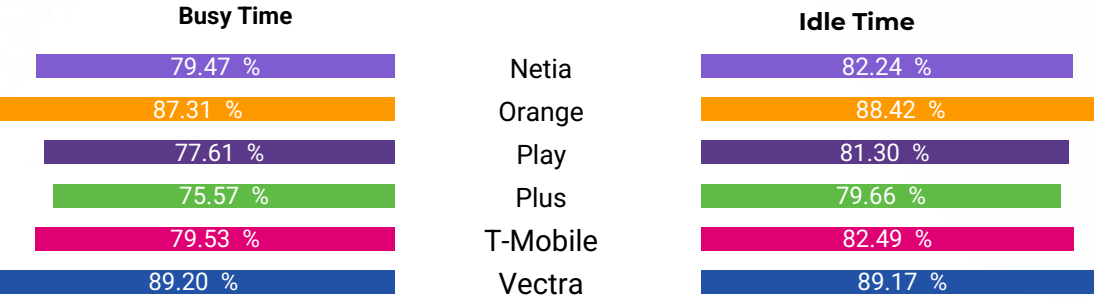
The subscribers of Vectra enjoyed the best mobile Internet streaming performance in 2024.

Streaming Performance results ventilation (average)



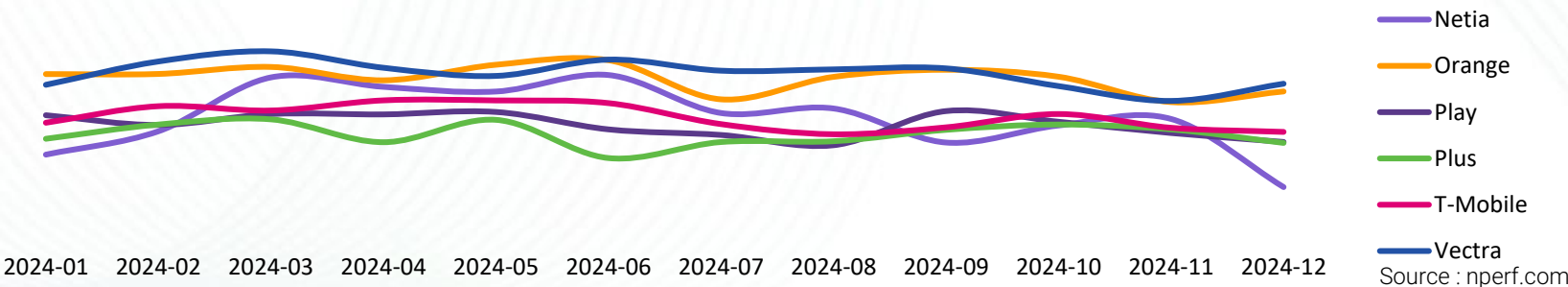
Source : nperf.com

Streaming Performance rate (average)



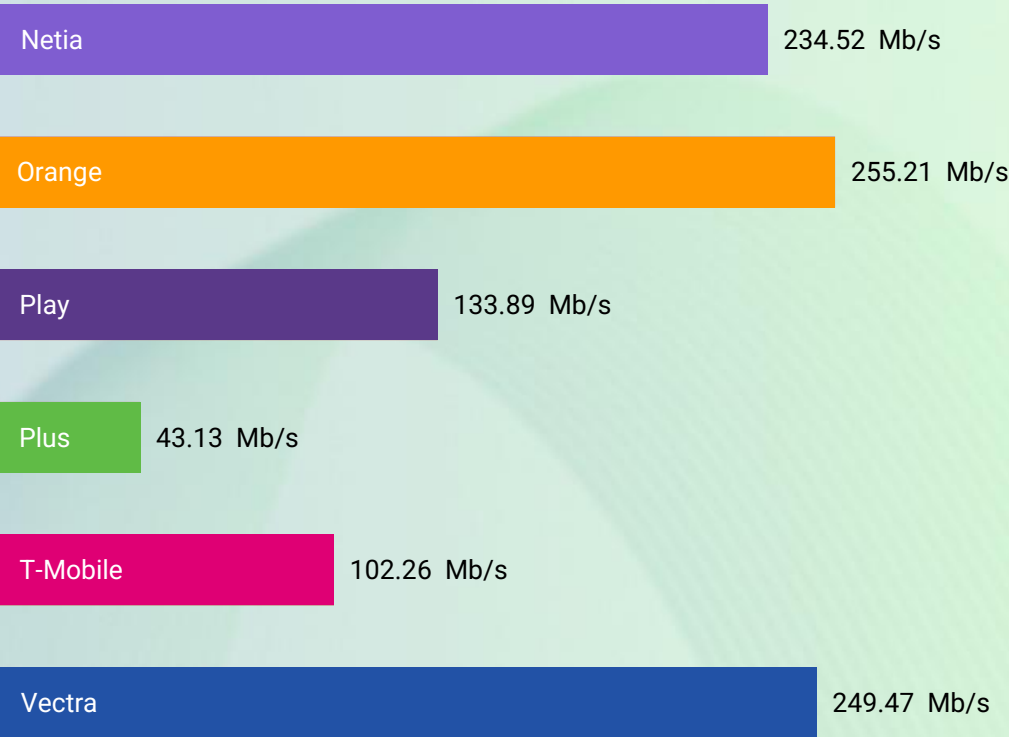
Source : nperf.com

Streaming performance rate (average) evolution over the year





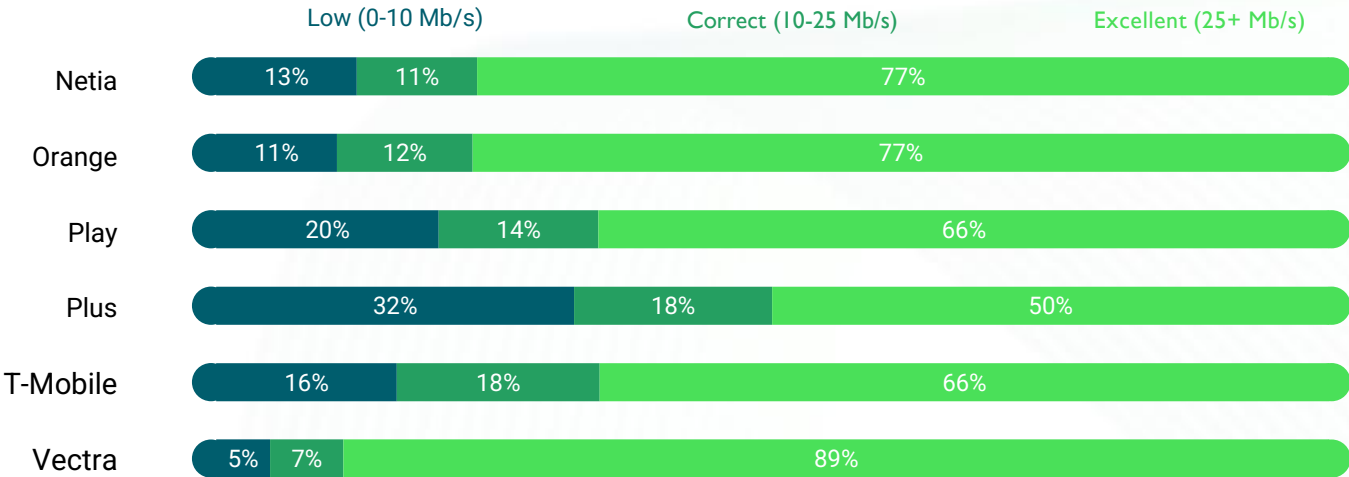
Download Speed (average)



Source : nperf.com

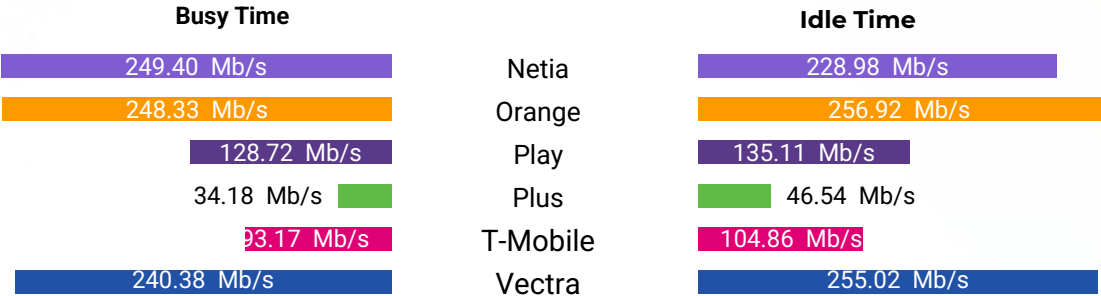
The subscribers of Orange and Vectra enjoyed the best average mobile Internet download speed in 2024.

Download Speed results ventilation (average)



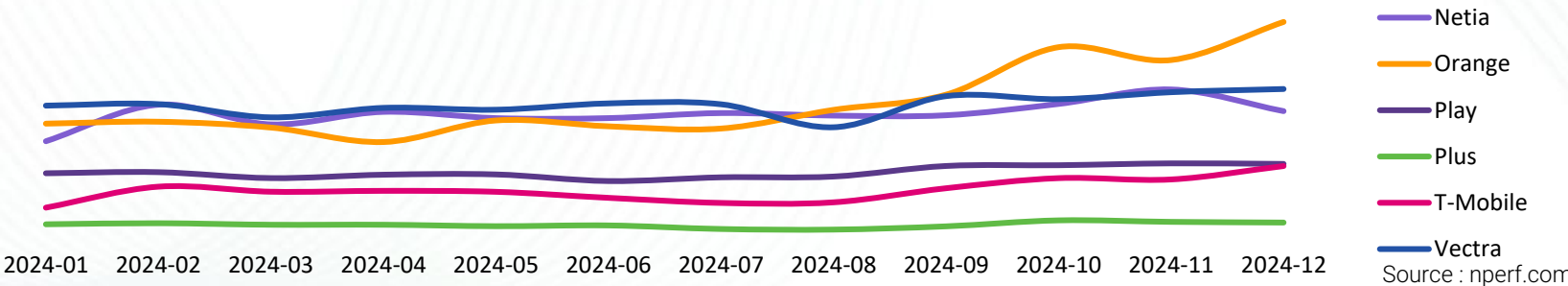
Source : nperf.com

Download Speed (average)



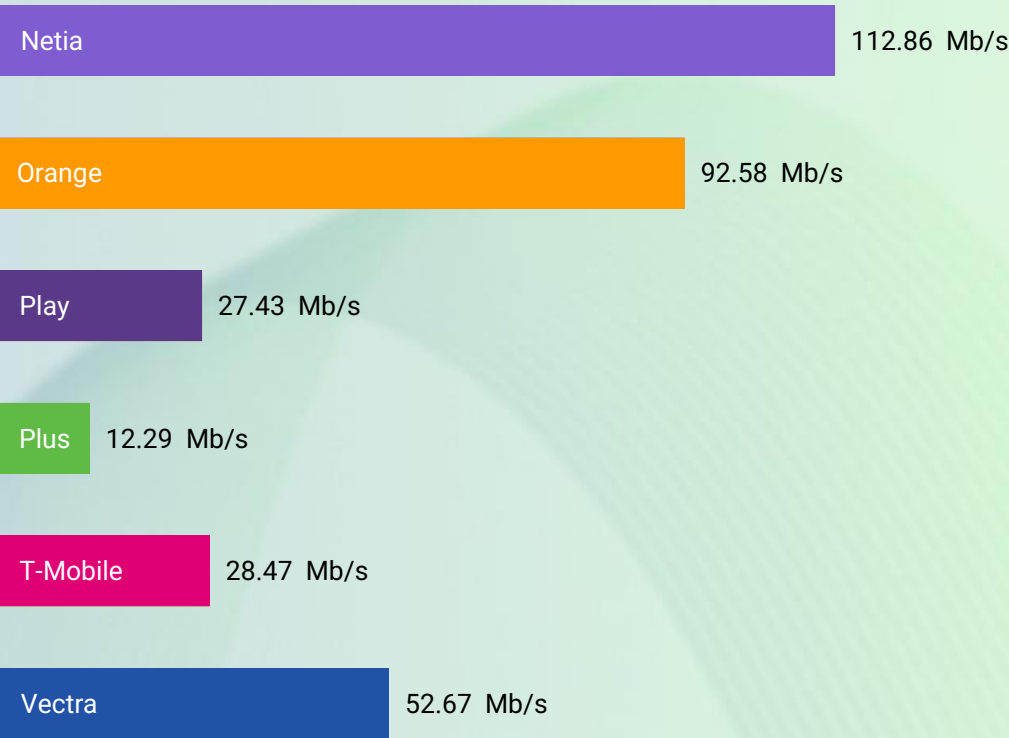
Source : nperf.com

Download Speed evolution over the year (average)





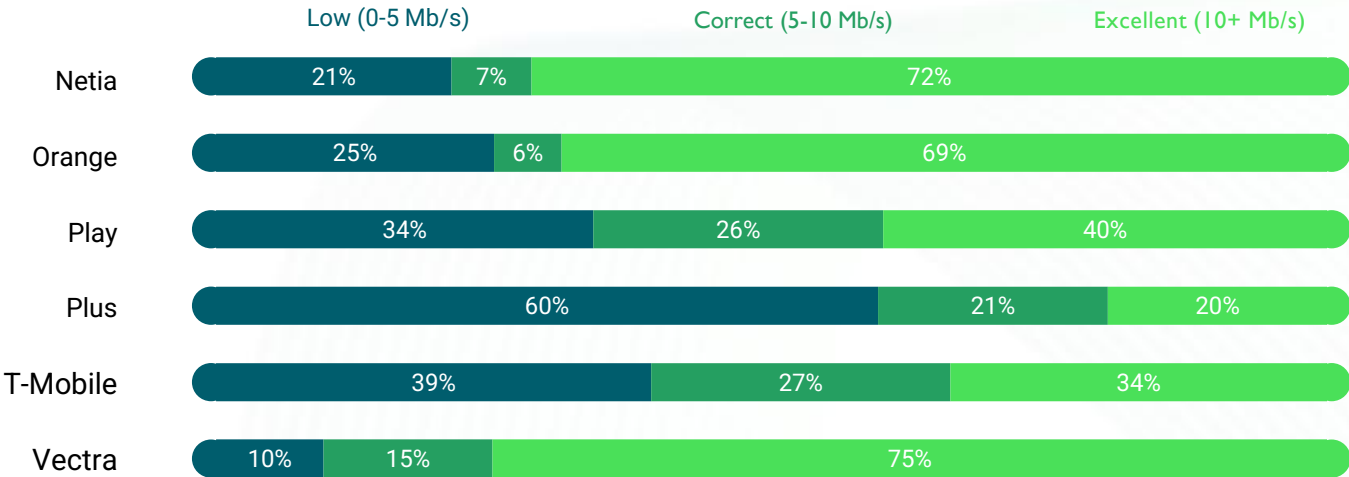
Upload Speed (average)



Source : nperf.com

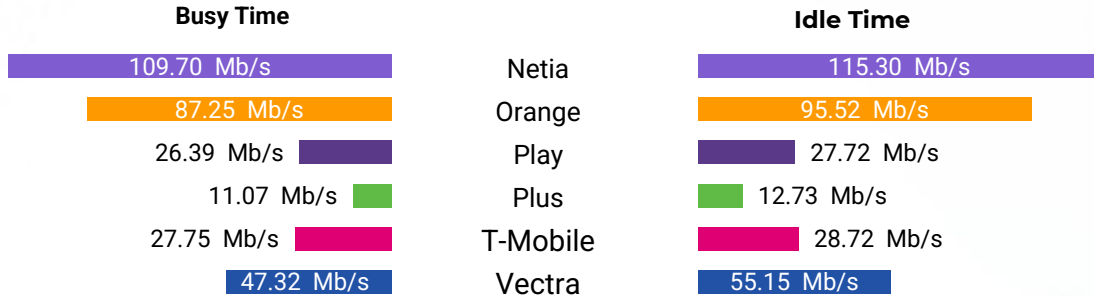
The subscribers of Netia enjoyed the best average mobile Internet upload speed in2024.

Upload Speed results ventilation (average)



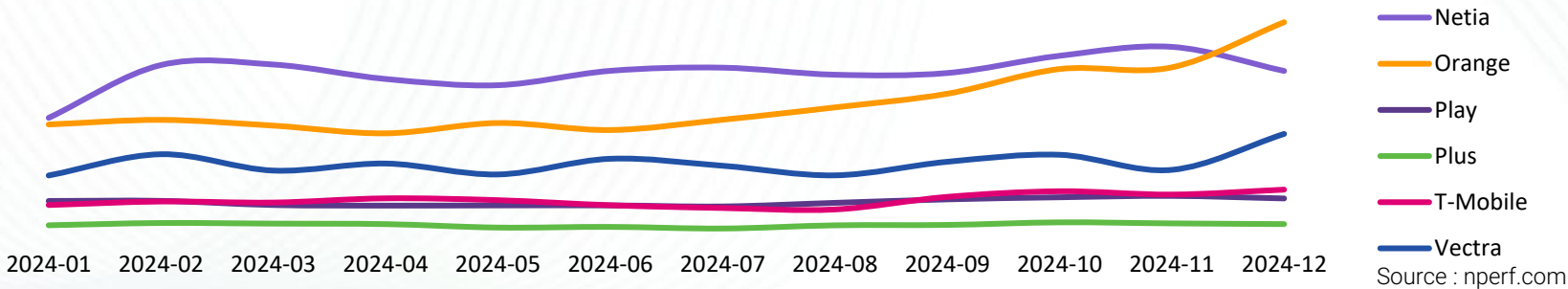
Source : nperf.com

Upload Speed (average)



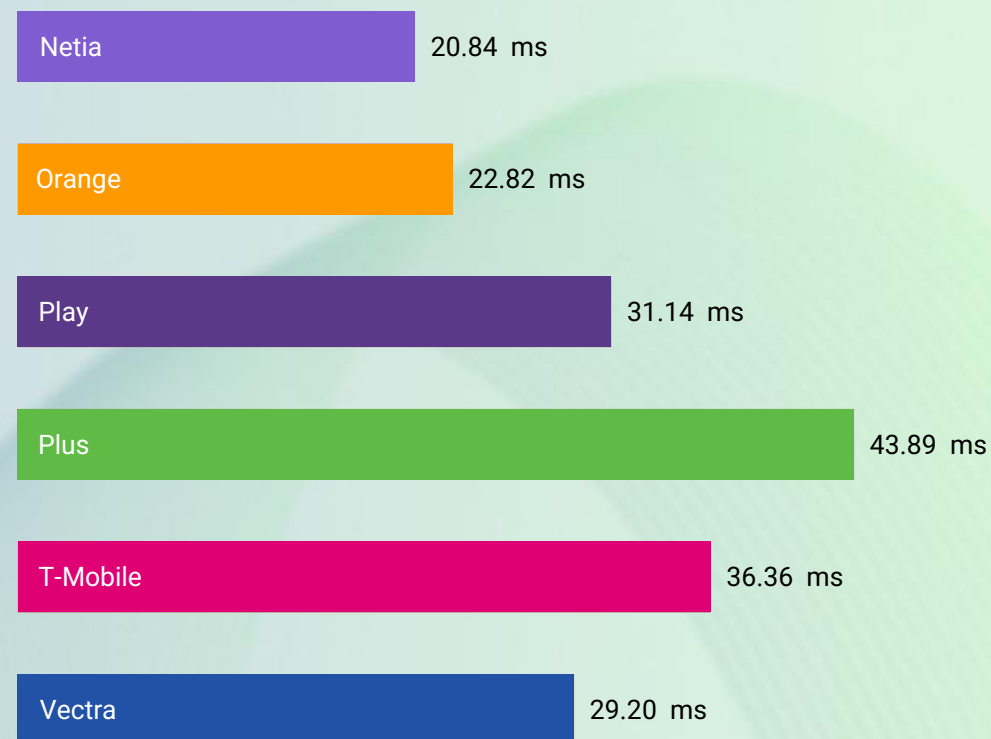
Source : nperf.com

Upload Speed evolution over the year (average)





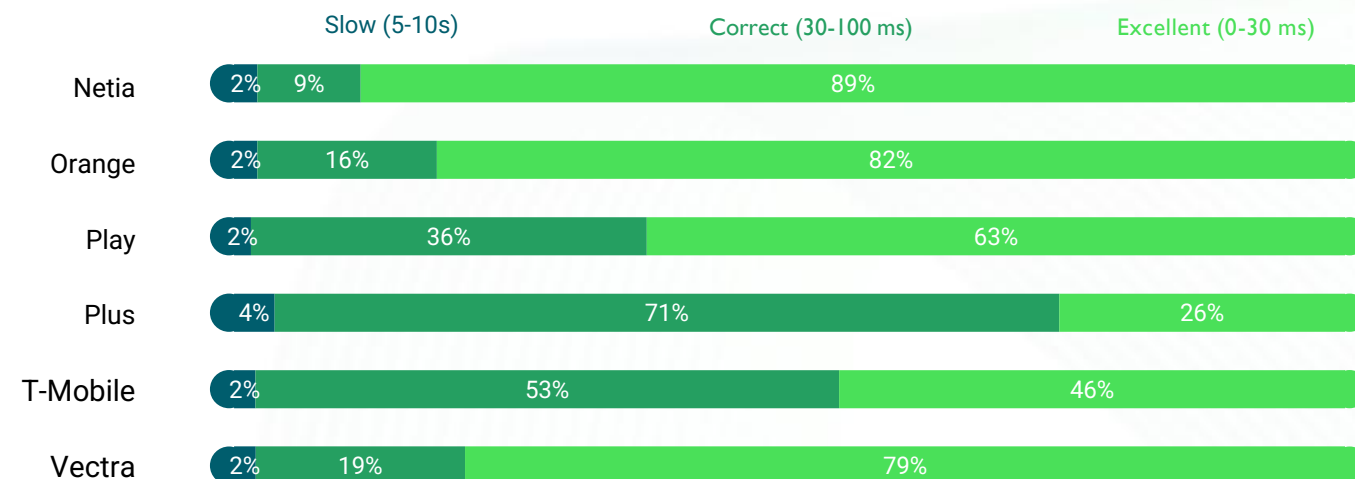
Latency Speed (average)



Source : nperf.com

The subscribers of Netia enjoyed the best average mobile Internet latency speed in 2024.

Latency Speed results ventilation (average)



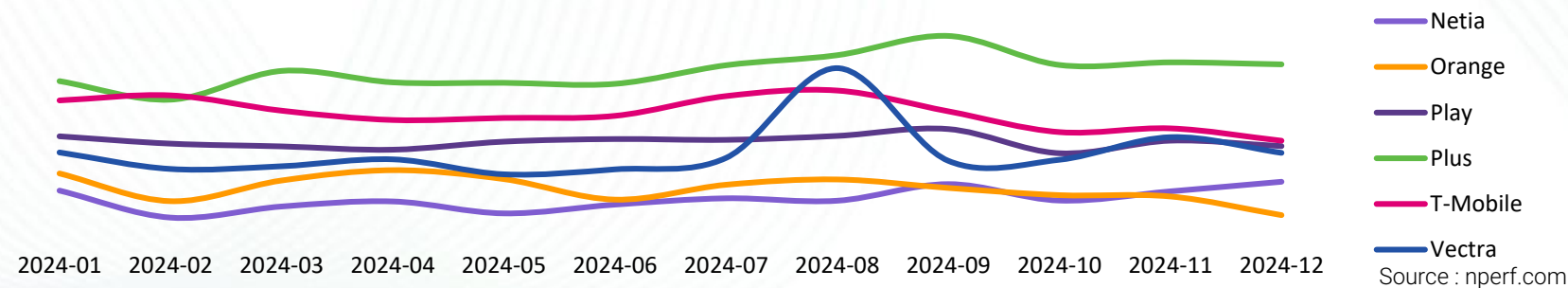
Source : nperf.com

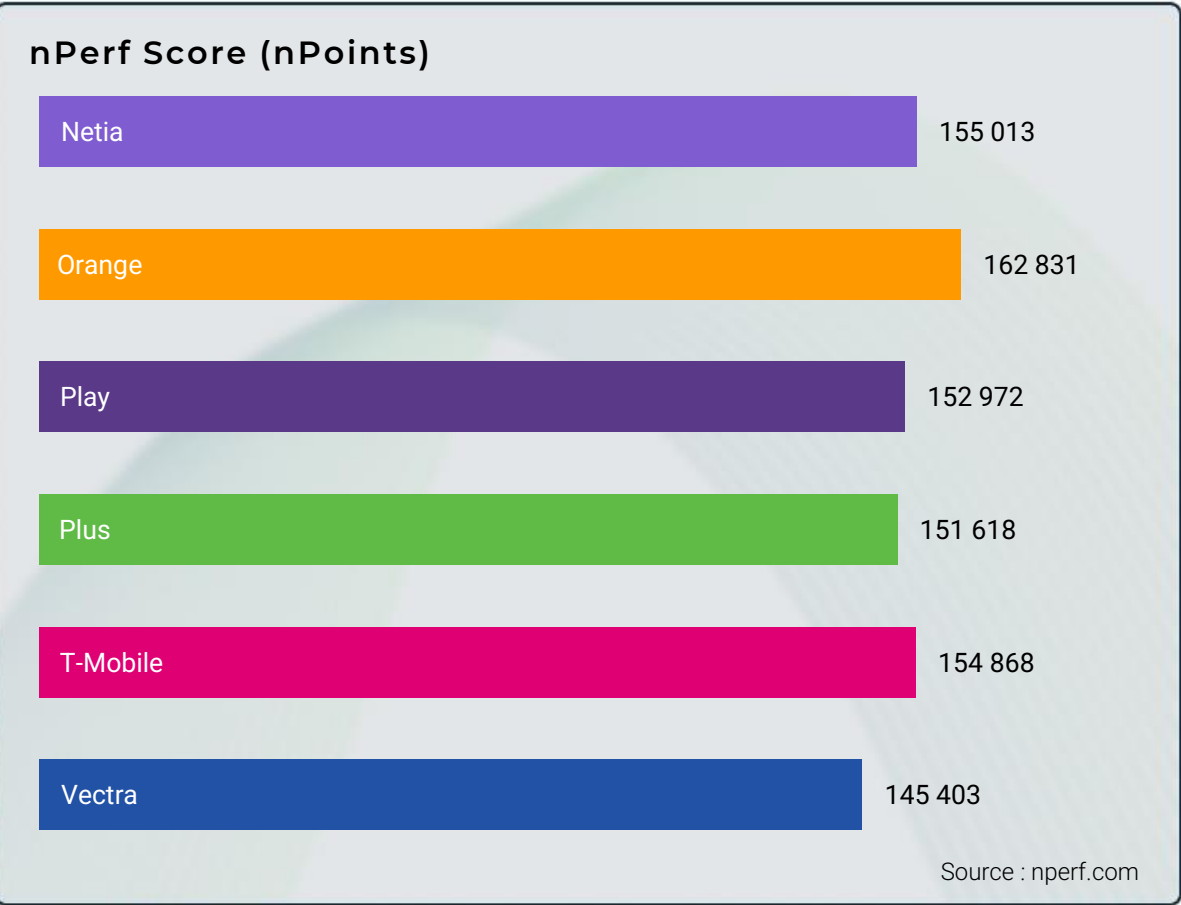
Latency Speed (average)



Source : nperf.com

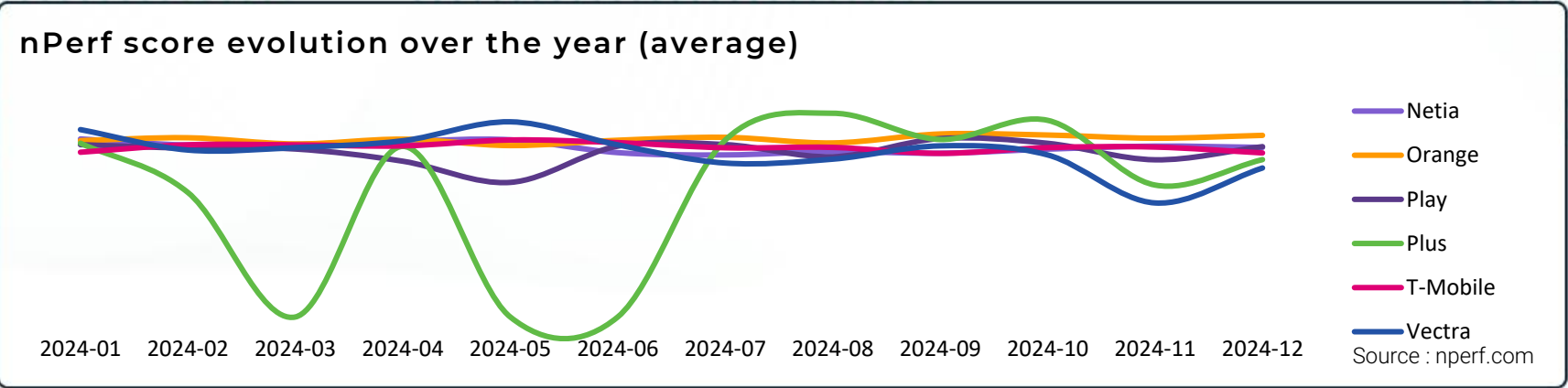
Latency Speed evolution over the year (average)

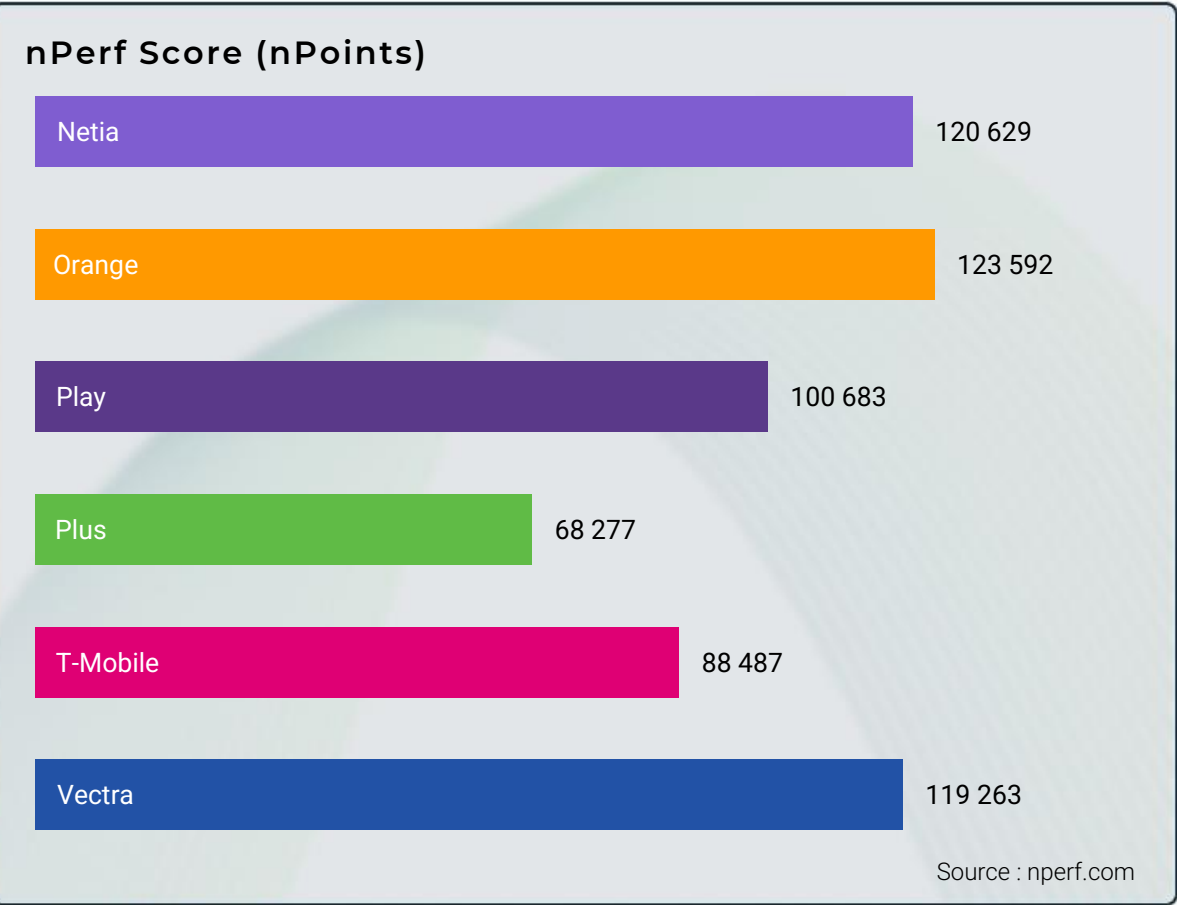




The subscribers of Orange enjoyed the best FTTH Internet performances in 2024.

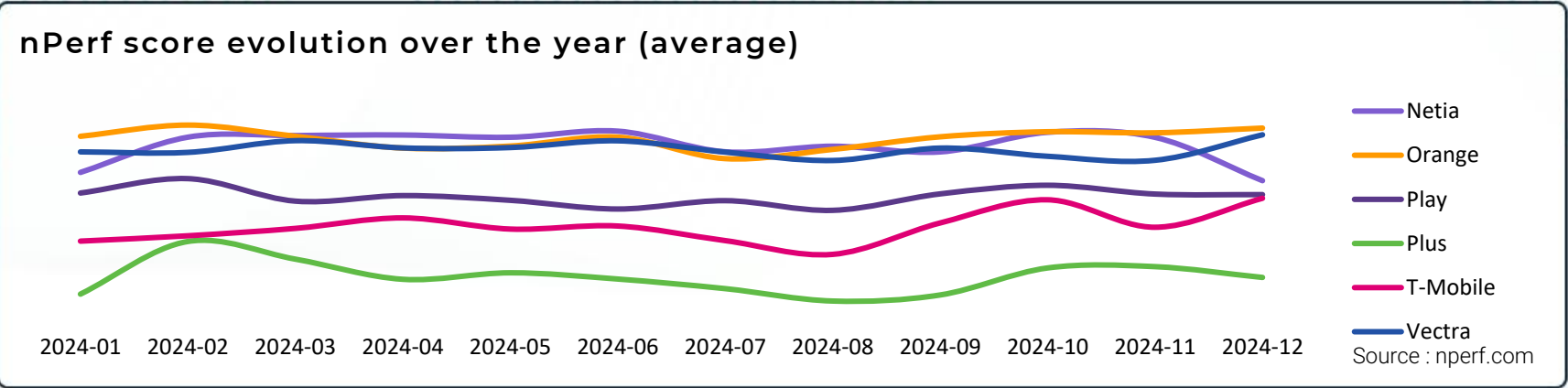
- Best performances FTTH: Orange
 - Best web browsing performances FTTH: Netia and Plus
 - Best video streaming performances FTTH: Plus
 - Fastest performances (Download) FTTH: Orange
 - Fastest performances (Upload) FTTH: Netia and Vectra
 - FTTH connections with the lowest latency: Orange
- Source : nperf.com



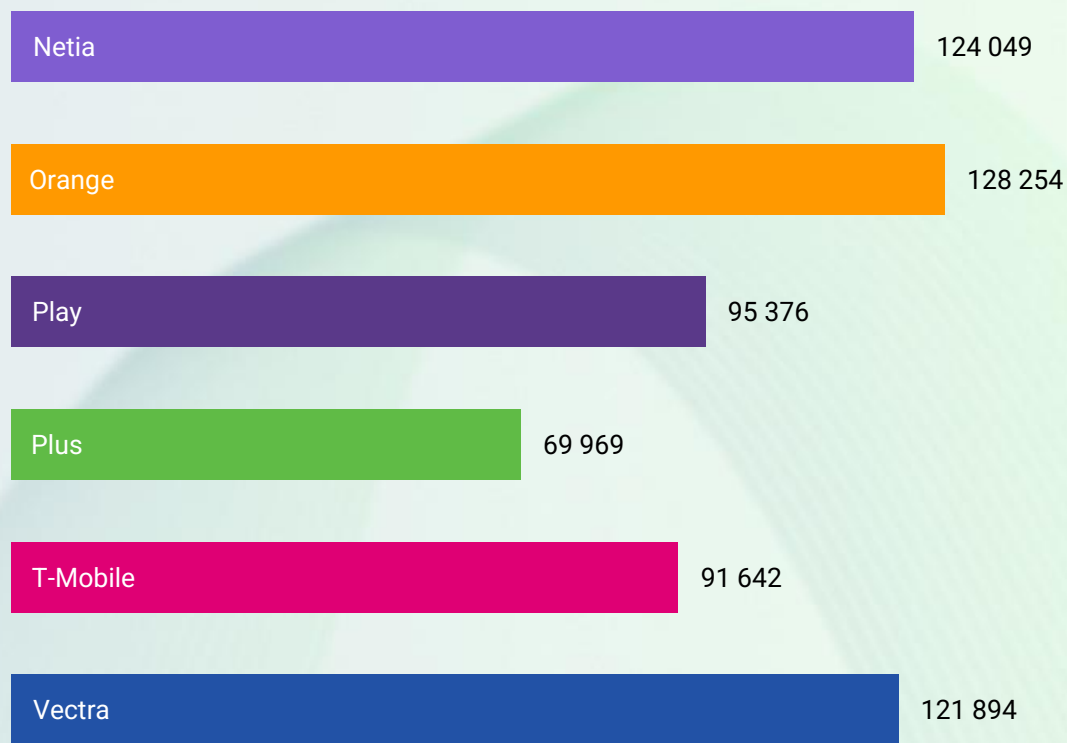


The subscribers of Netia and Orange enjoyed the best WIFI Internet performances in Poland in 2024.

- Best performances WIFI: Netia and Orange
 - Best web browsing performances WIFI: Vectra
 - Best video streaming performances WIFI: Vectra
 - Fastest performances (Download) WIFI: Orange and Vectra
 - Fastest performances (Upload) WIFI: Netia
 - WIFI connections with the lowest latency: Netia
- Source : nperf.com



nPerf Score (nPoints)

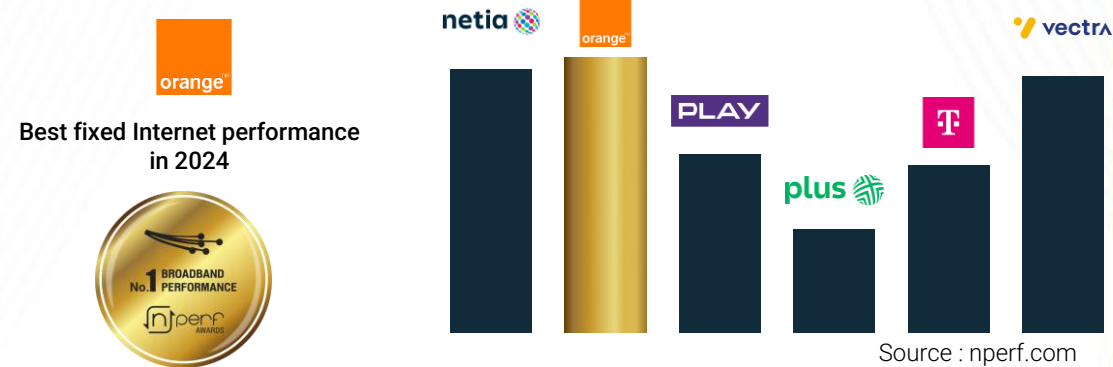


Source : nperf.com

The subscribers of Orange enjoyed the best fixed Internet performances in 2024.

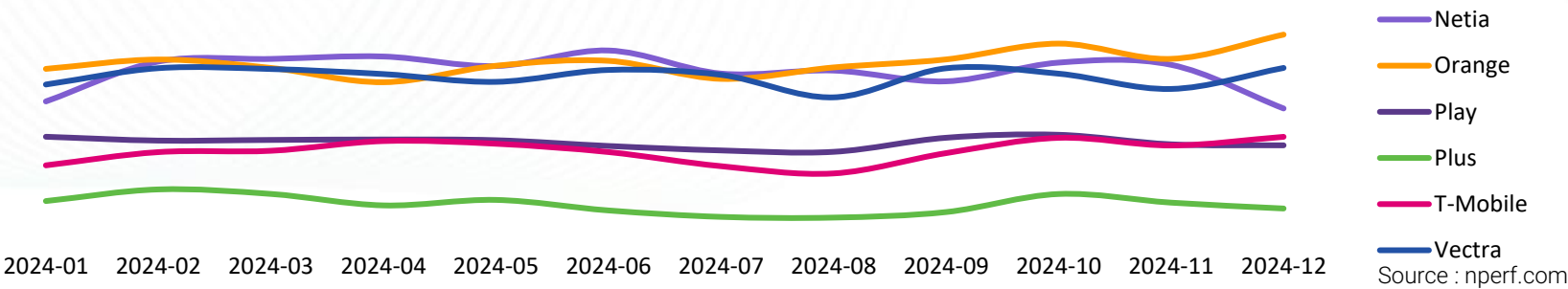
The nperf score takes into account the measured bitrates, the latency and the Qoe tests.
The value of the points for the rates and the latency is calculated on a logarithmic scale, to better represent the perception of the user.
Thus, this score reflects the overall quality of the connection experienced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

inperf