

30/01/2025

Barometer of mobile Internet connections in Poland

01/01/2024 - 12/31/2024



1

**Introducing
nPerf**

2

**Executive
summary**

3

Analysis

4

Methodology

5

**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.

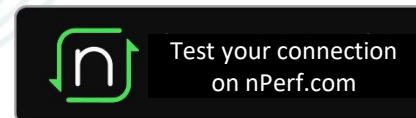
 **300k+** tests daily worldwide.

 **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 Orange and T-Mobile enjoyed the best mobile Internet performances in 2024.

Mobile Internet connections in Poland

	Orange	Play	Plus	T-Mobile
Download bitrates (Mb/s)	89,96	66,34	44,45	106,50
Upload bitrates (Mb/s)	16,02	14,62	10,26	17,01
Latency (ms)	34,07	34,24	41,23	34,37
Web browsing (%)	68,74	65,38	63,86	68,95
Youtube streaming (%)	82,04	78,82	78,14	81,70
nPerf Score (nPoints)	87 814	79 941	69 881	89 961

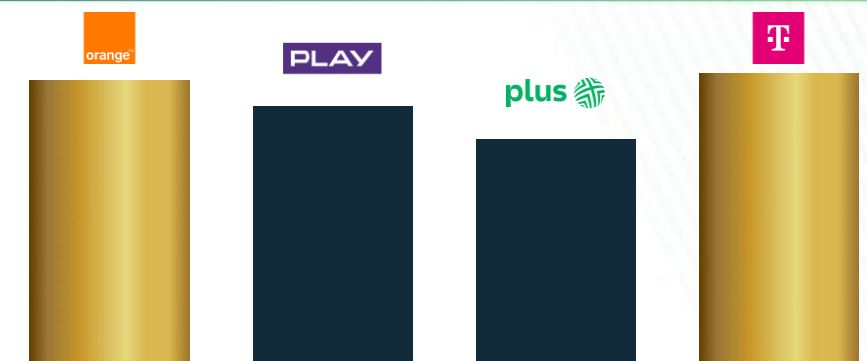
Source : nperf.com



Best mobile Internet performance in 2024




Source : nperf.com



Source : nperf.com

The subscribers of Orange and T-Mobile enjoyed the best 5G Internet performances in Poland in 2024.

5G mobile Internet connections in Poland

	Orange	Play	Plus	T-Mobile
▼ Download bitrates (Mb/s)	196,79	153,52	101,86	202,34
▲ Upload bitrates (Mb/s)	28,98	27,44	18,63	26,79
◀▶ Latency (ms)	30,39	28,96	32,00	29,85
🌐 Web browsing (%)	75,18	75,66	76,62	74,62
📺 Youtube streaming (%)	85,69	83,19	85,17	81,63
 nPerf Score (nPoints)	109 090	105 016	97 725	106 095

Source : nperf.com

Introduction

The nPerf 2024 report reveals significant developments in the mobile telecom sector in Poland, with a focus on 5G advancements. T-Mobile and Orange emerge as the co-leaders of the market in 2024. Both operators have shown improved performance compared to the previous year, indicating them as new leaders for this period. The market shows a positive trend with numerous operators enhancing their services, particularly in 5G technology.

T-Mobile: Co-leader of the market and domination in Download and Upload speed

T-Mobile has established itself as a co-leader in the market with outstanding performance across various categories. For the period analyzed, T-Mobile achieved a remarkable score, demonstrating leadership in Download speed with a superior speed of 106.49 Mbps and in Upload speed at 17.01 Mbps. Additionally, T-Mobile has shown significant improvements in 5G.

Orange: Co-leader of the market and excellence in Latency and Video streaming

Orange shares the leadership position with T-Mobile, showcasing excellence in several areas including a remarkable Latency of 34.07 ms and Video streaming quality. Orange's consistent performance in these categories highlights its competitive edge in the market. The operator continues to maintain a strong focus on 5G technology, further boosting its market presence.

Play: Excellence in 5G Focus

Play, while not a market leader, is very close to its major competitors and excels in some key indicators on 5G focus category. The operator achieved a commendable score of 105,016, demonstrating strong capabilities in mobile technology advancements. Despite not leading in the overall market, Play's emphasis on 5G technology positions it as a key player in the sector.

Plus: Significant improvements

Plus has made noteworthy progress, with an impressive improvement in its overall score by 93.9%. While it does not lead in any specific category, Plus's advancements contribute positively to the competitive landscape of the mobile internet market in Poland.

Conclusion

Our 2024 report highlights T-Mobile and Orange as co-leaders of the market, each excelling in different categories. T-Mobile leads in Download and Upload speed, while Orange stands out in Latency and Video streaming. Other operators like Play and Plus also contribute significantly to the market dynamics, with Play excelling in 5G focus and Plus showing remarkable overall improvement. The competitive environment and technological advancements indicate a promising future for the mobile internet market 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

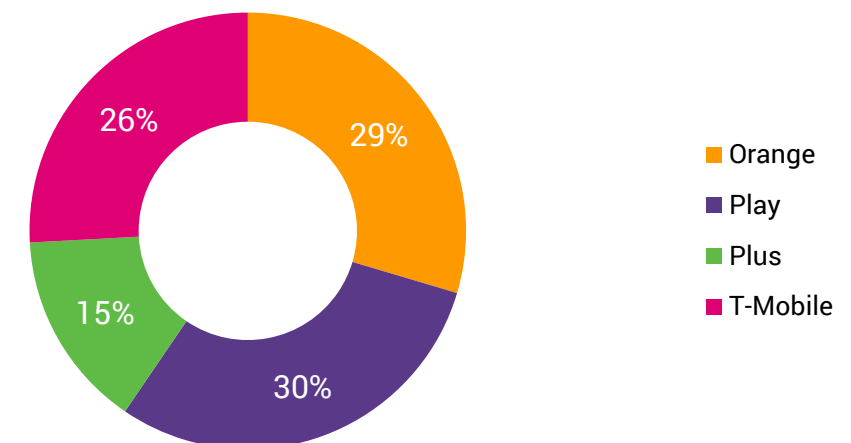
The video streaming test gauges the load time of a fully loaded video in three resolutions on YouTube, considering stalls during playback. This indicator reflects the perceived quality by the user.

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% 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.

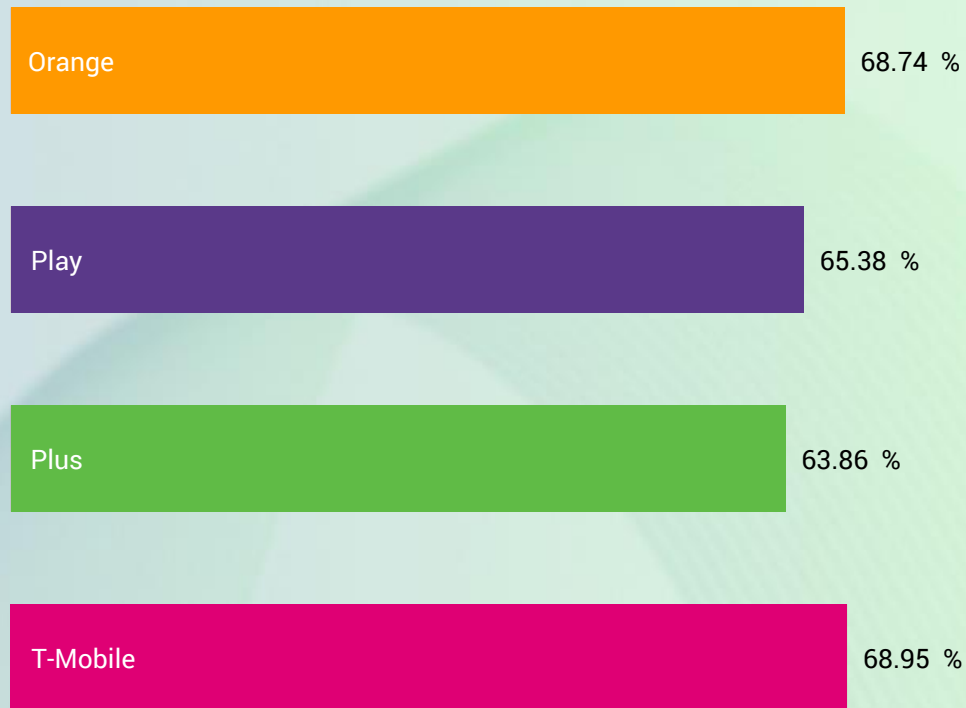
Overall distribution of the tests per provider (ISPs Share)



Source: nperf.com



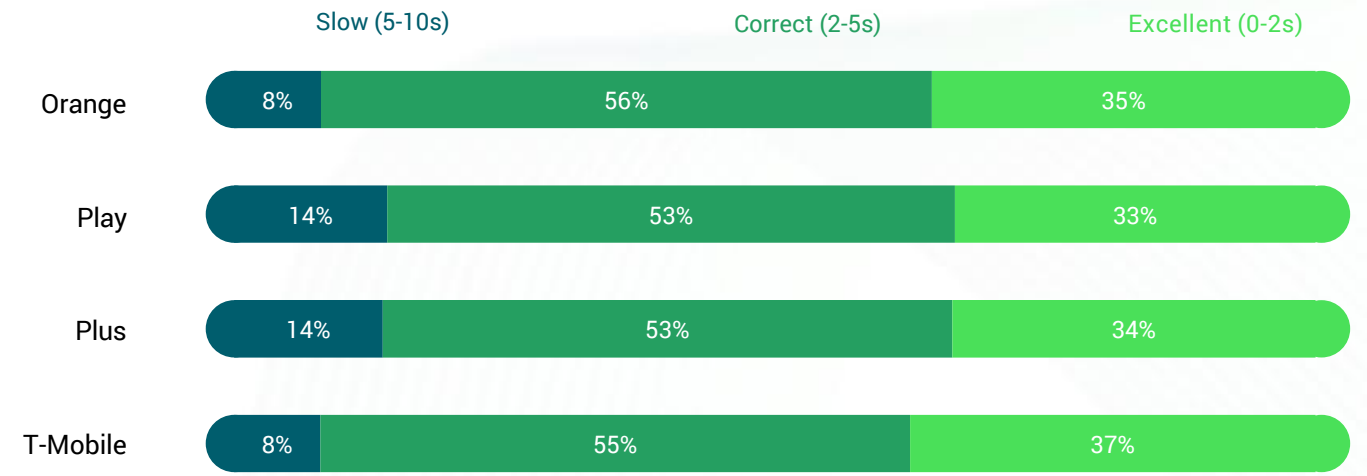
Browsing Performance rate (average)



Source : nperf.com

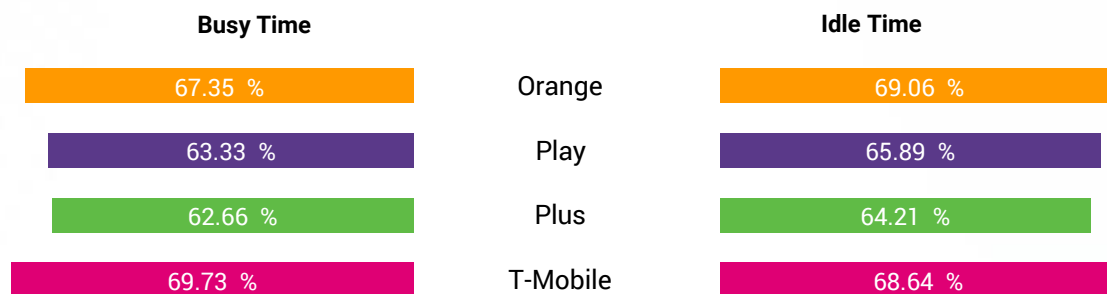
The subscribers of Orange and T-Mobile enjoyed the best mobile Internet Internet browsing performance in 2024.

Browsing Performance results ventilation (average)



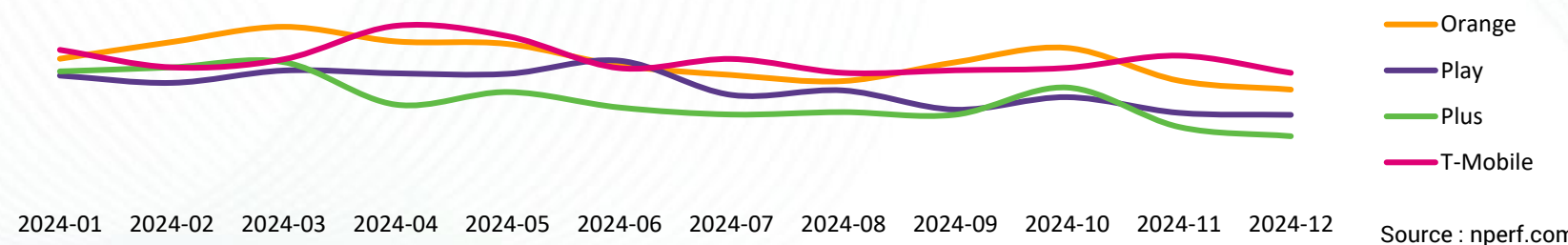
Source : nperf.com

Browsing Performance rate (average)



Source : nperf.com

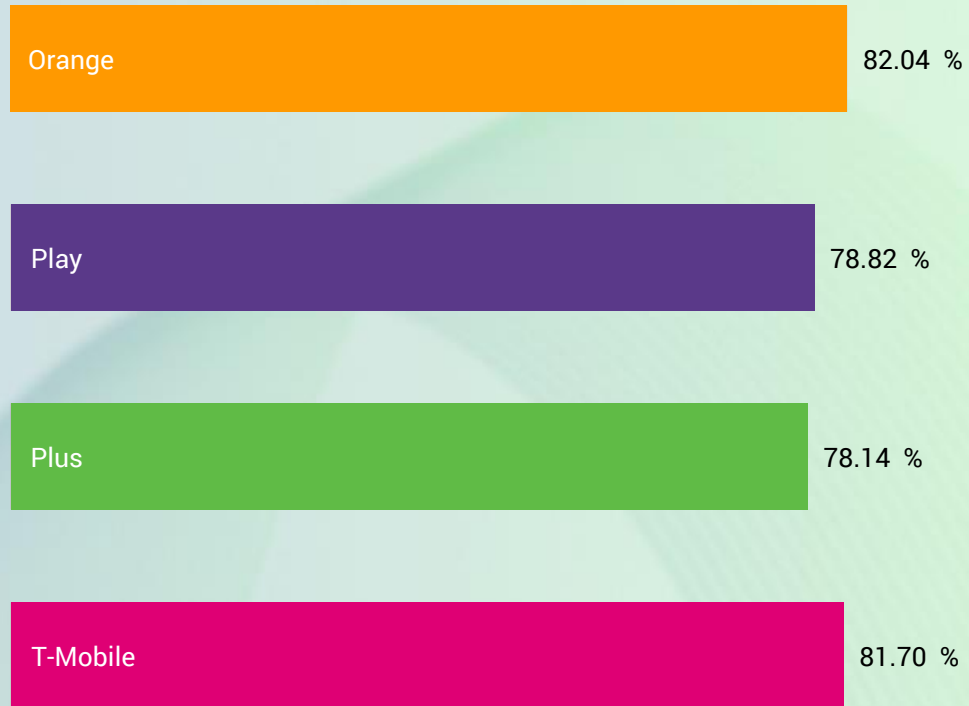
Browsing performance rate (average) evolution over the year



Source : nperf.com



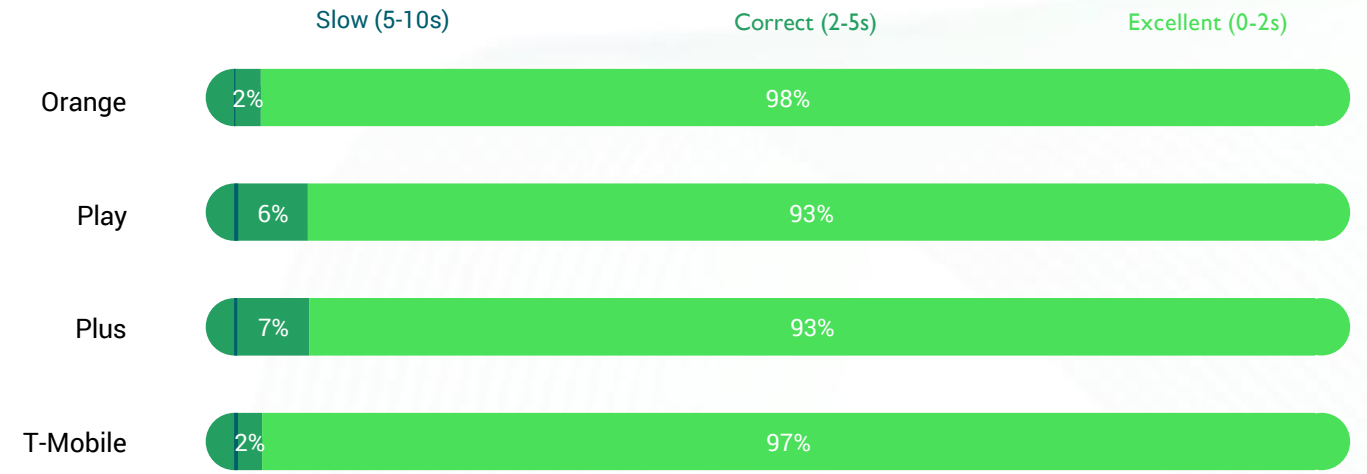
Streaming Performance rate (average)



Source : nperf.com

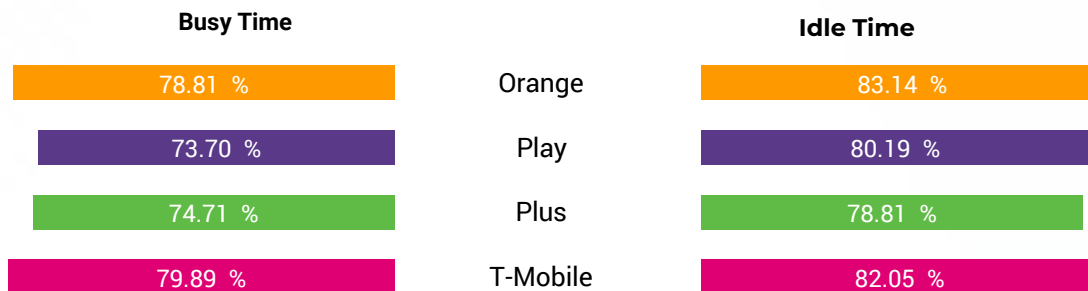
The subscribers of Orange and T-Mobile enjoyed the best mobile Internet streaming performance in 2024.

Streaming Performance results ventilation (average)



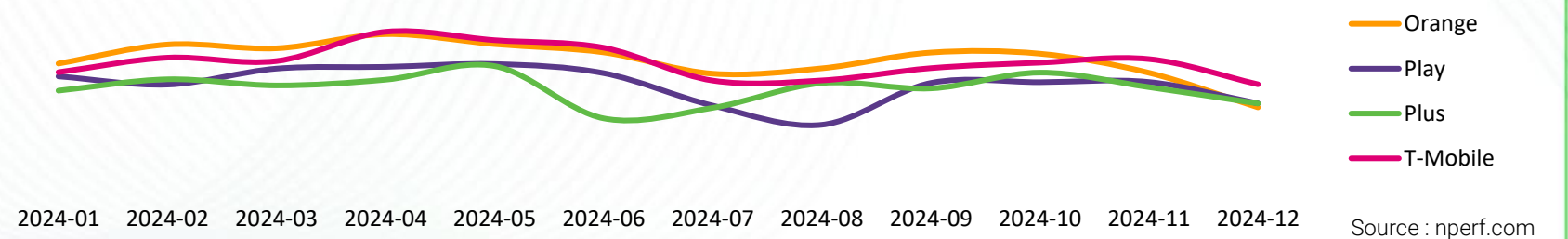
Source : nperf.com

Streaming Performance rate (average)



Source : nperf.com

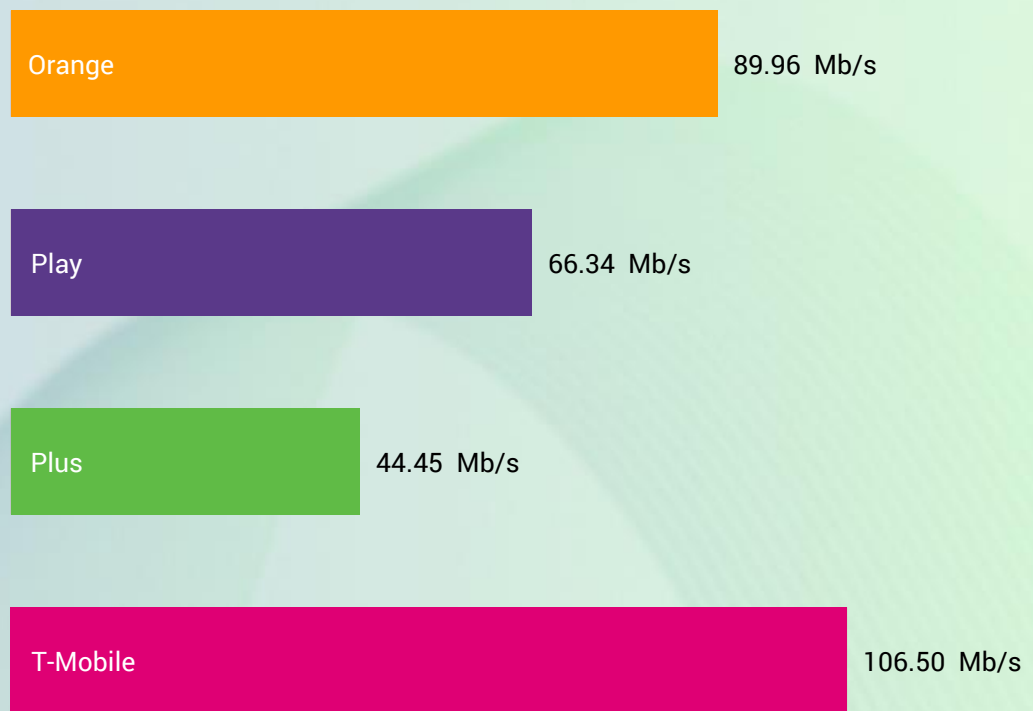
Streaming performance rate (average) evolution over the year



Source : nperf.com



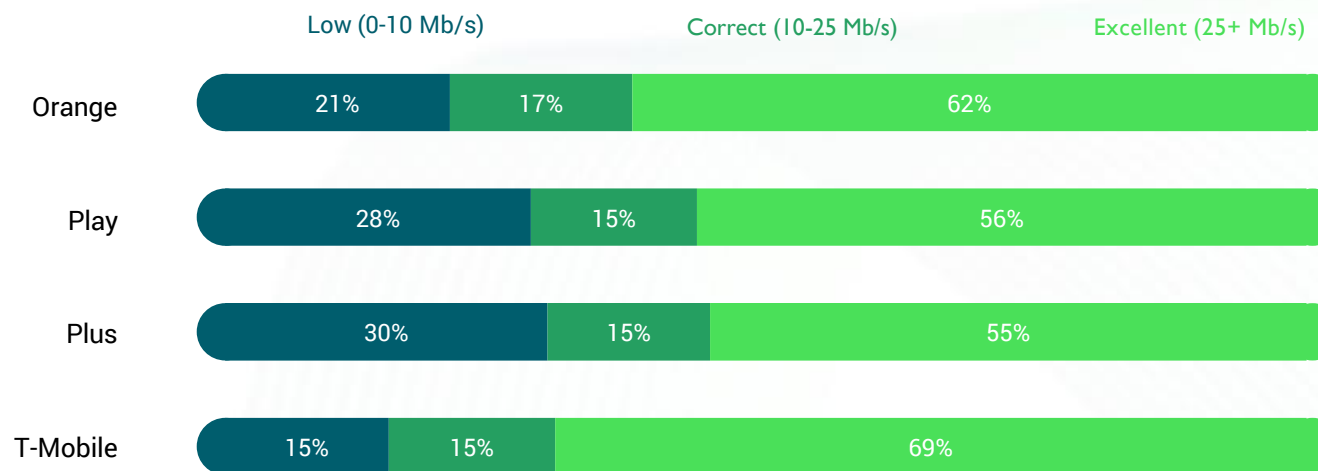
Download Speed (average)



Source : nperf.com

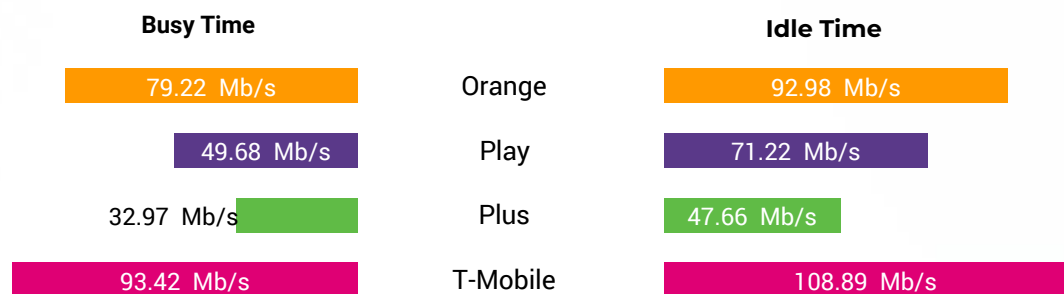
The subscribers of T-Mobile enjoyed the best average mobile Internet download speed in 2024.

Download Speed results ventilation (average)



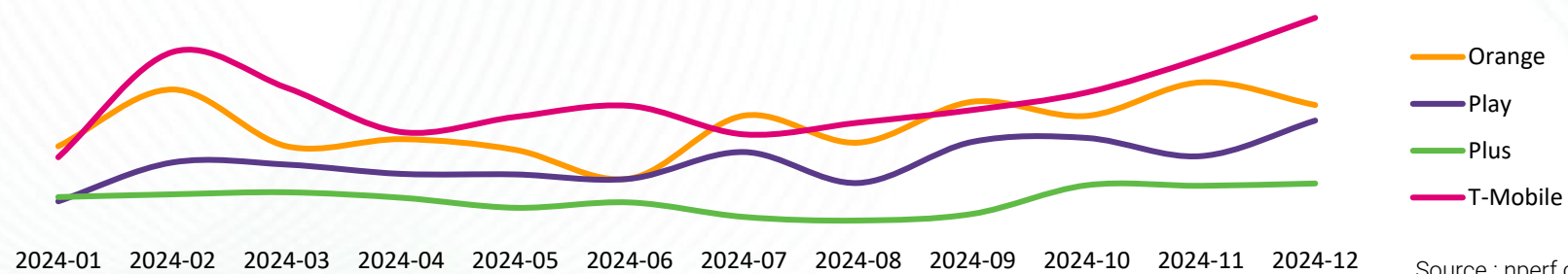
Source : nperf.com

Download Speed (average)



Source : nperf.com

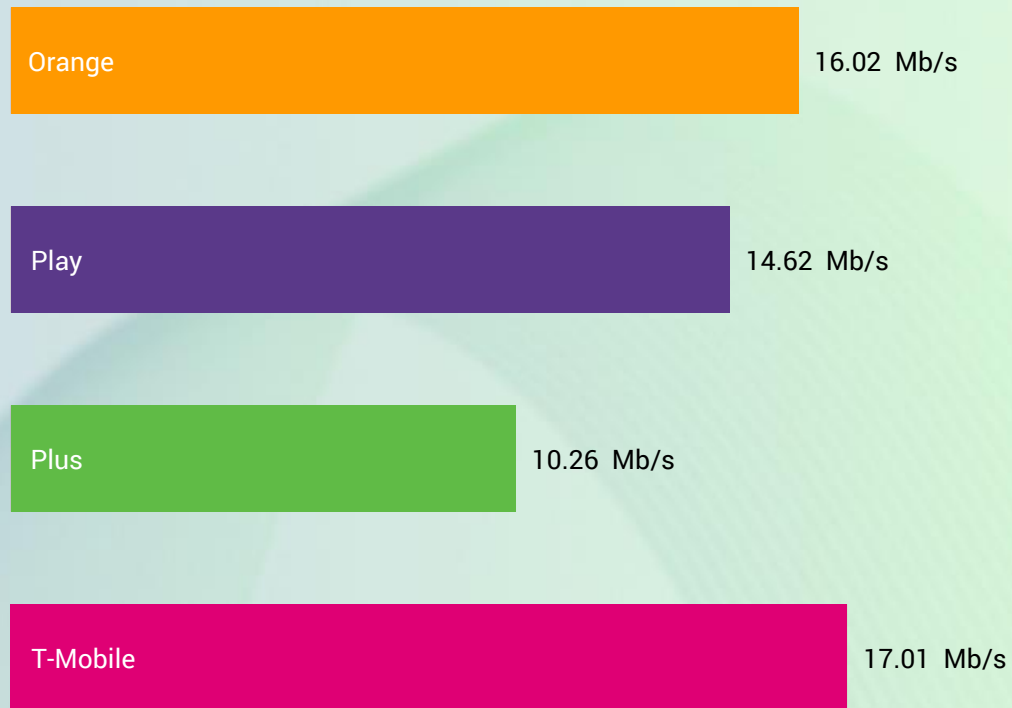
Download Speed evolution over the year (average)



Source : nperf.com



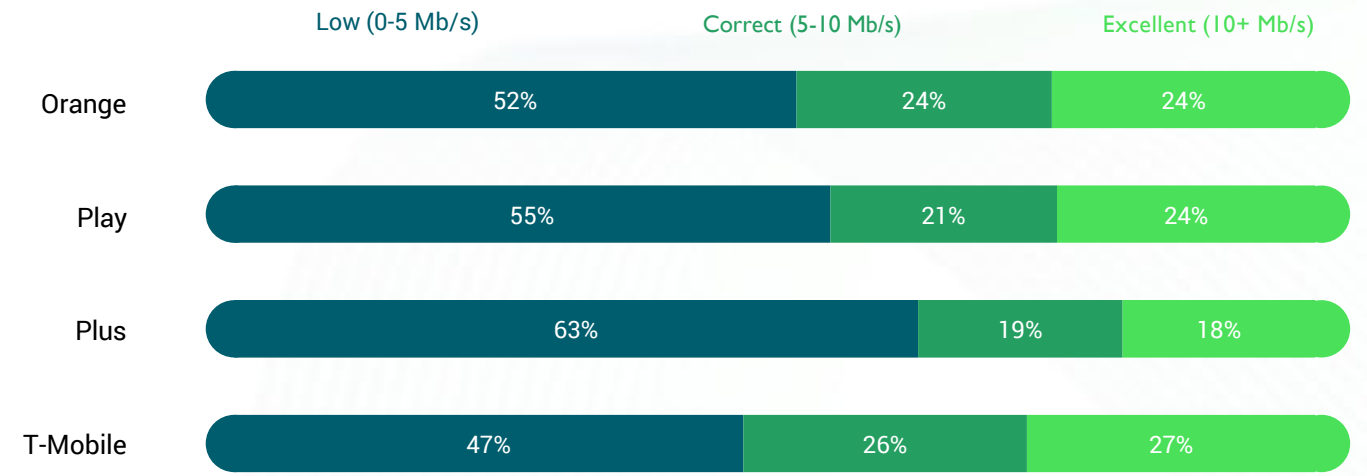
Upload Speed (average)



Source : nperf.com

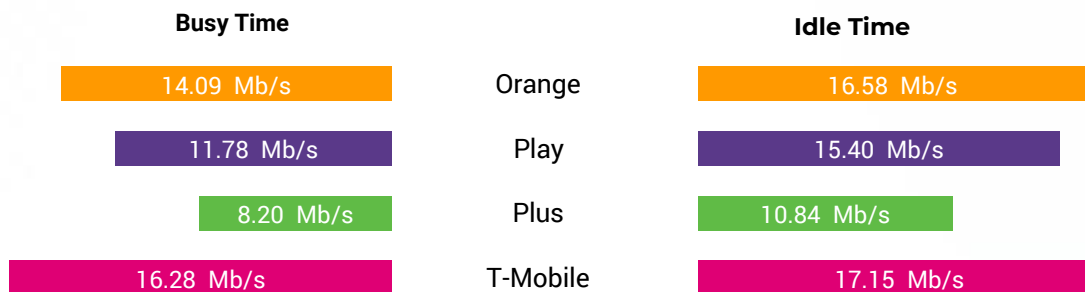
The subscribers of T-Mobile enjoyed the best average mobile Internet upload speed in 2024.

Upload Speed results ventilation (average)



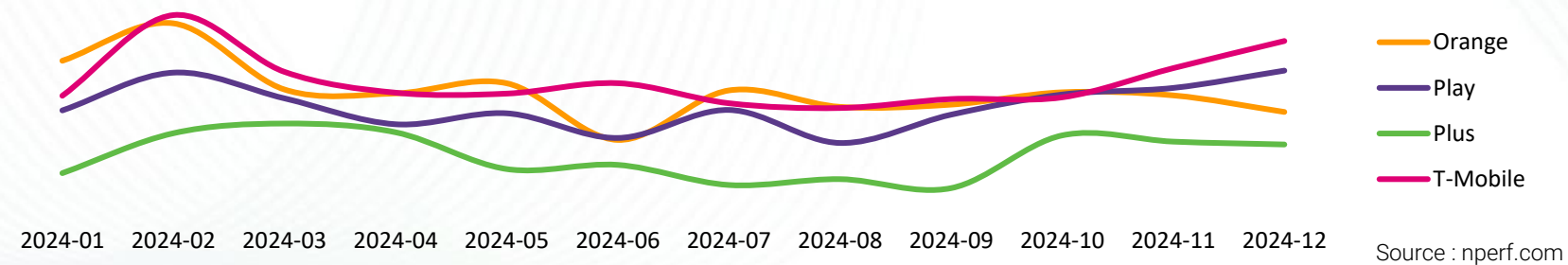
Source : nperf.com

Upload Speed (average)



Source : nperf.com

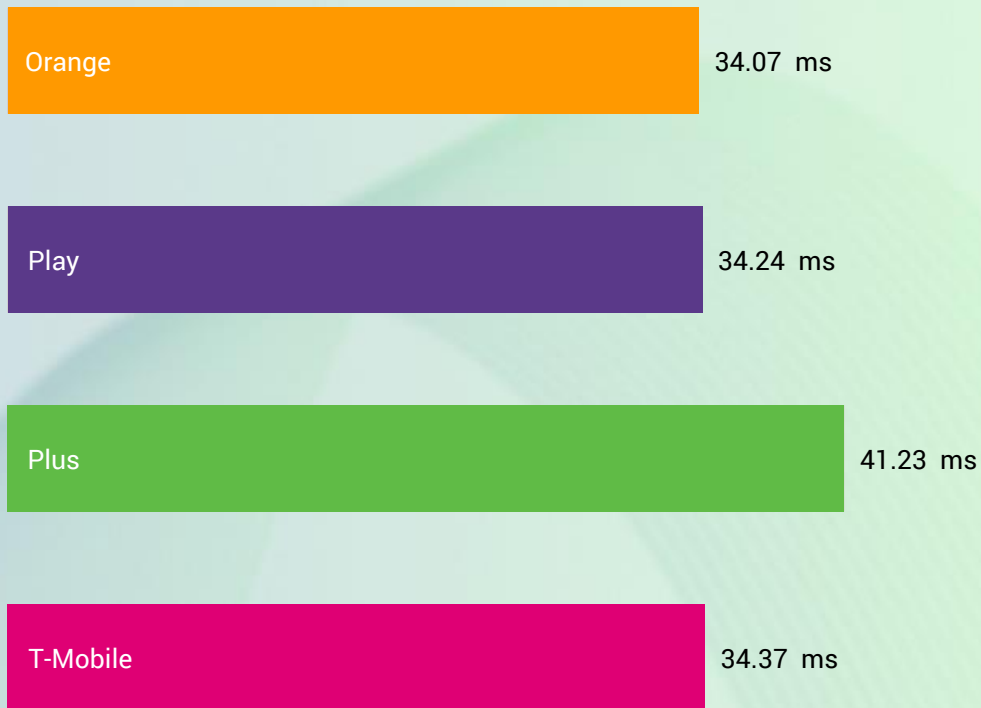
Upload Speed evolution over the year (average)



Source : nperf.com



Latency Speed (average)



Source : nperf.com

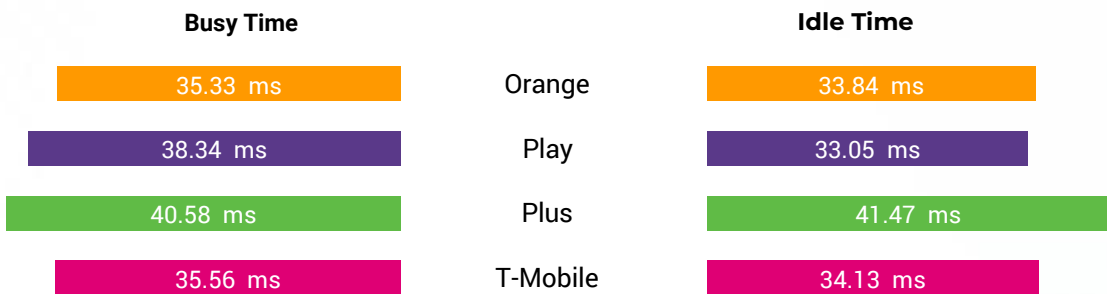
The subscribers of Orange, Play and T-Mobile enjoyed the best average mobile Internet latency speed in 2024.

Latency Speed results ventilation (average)



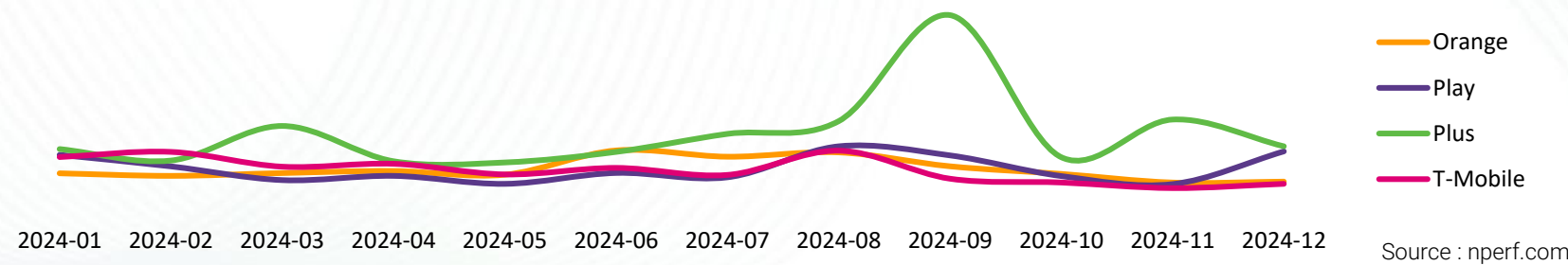
Source : nperf.com

Latency Speed (average)



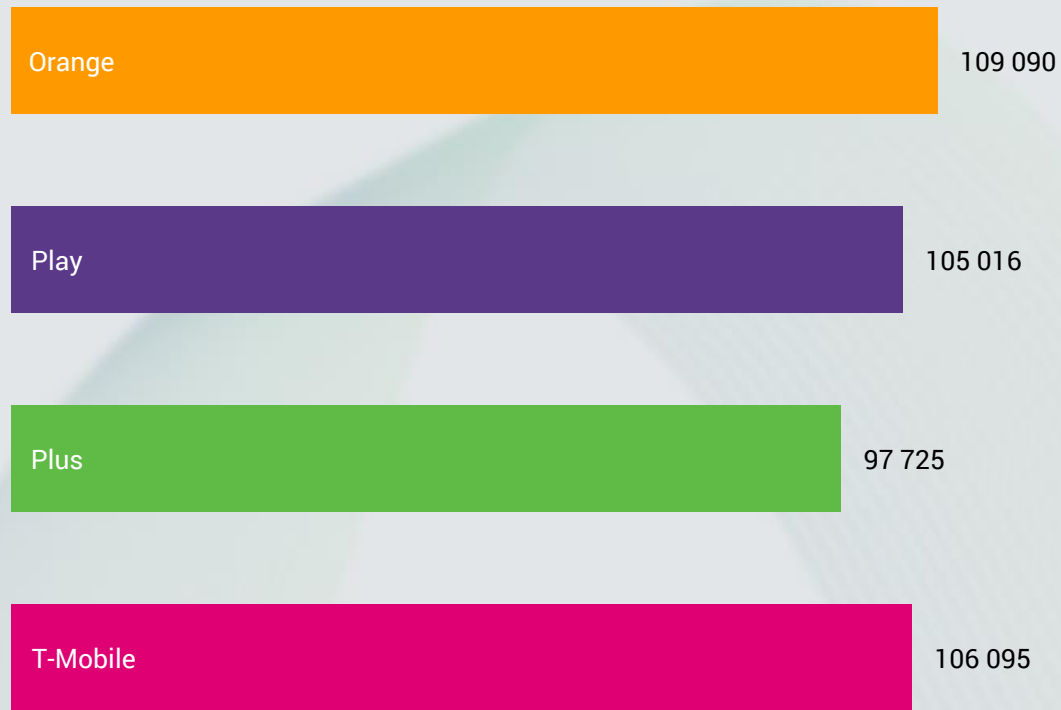
Source : nperf.com

Latency Speed evolution over the year (average)



Source : nperf.com

nPerf Score (nPoints)



Source : nperf.com

The subscribers of Orange and T-Mobile enjoyed the best 5G Internet performances in 2024.

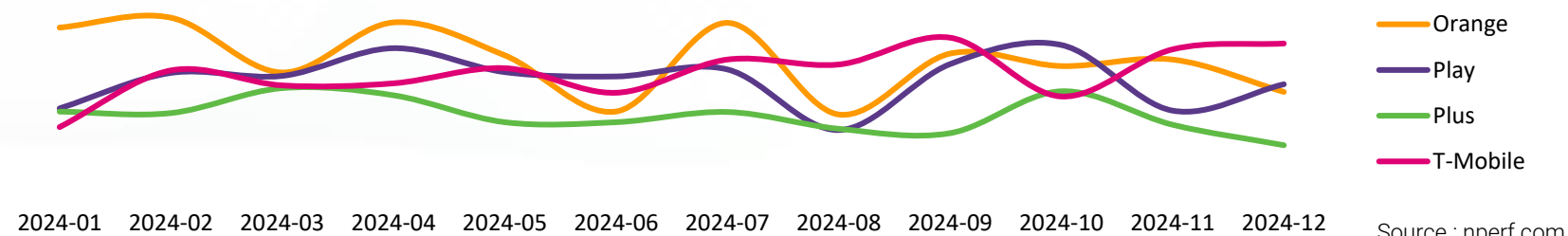
- Best performances 5G: Orange and T-Mobile
- Best web browsing performances 5G: Play and Plus
- Best video streaming performances 5G: Orange and Plus
- Fastest performances (Download) 5G: Orange and T-Mobile
- Fastest performances (Upload) 5G: Orange
- 5G connections with the lowest latency: Play

Source : nperf.com



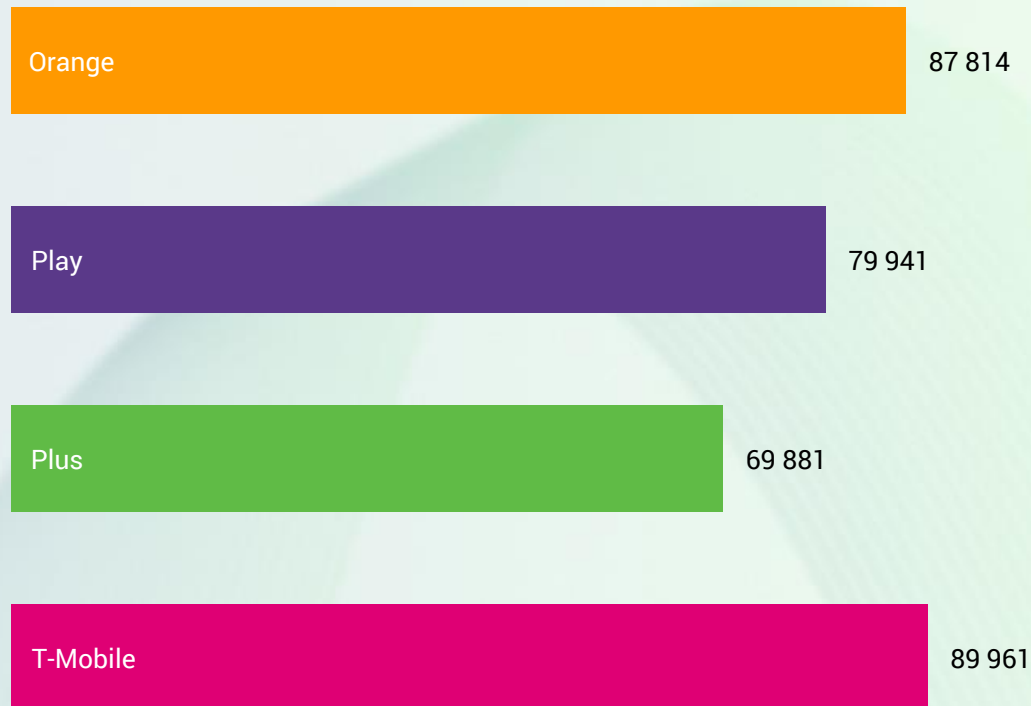
Source : nperf.com

nPerf score evolution over the year (average)



Source : nperf.com

nPerf Score (nPoints)



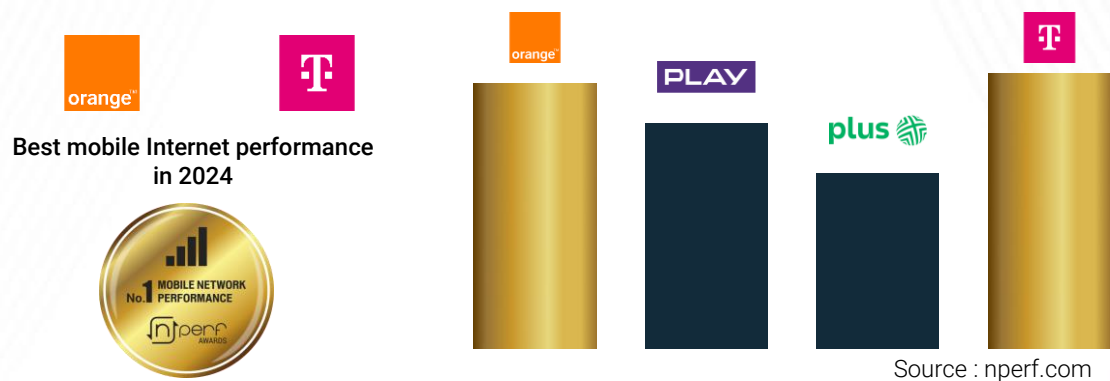
Source : nperf.com

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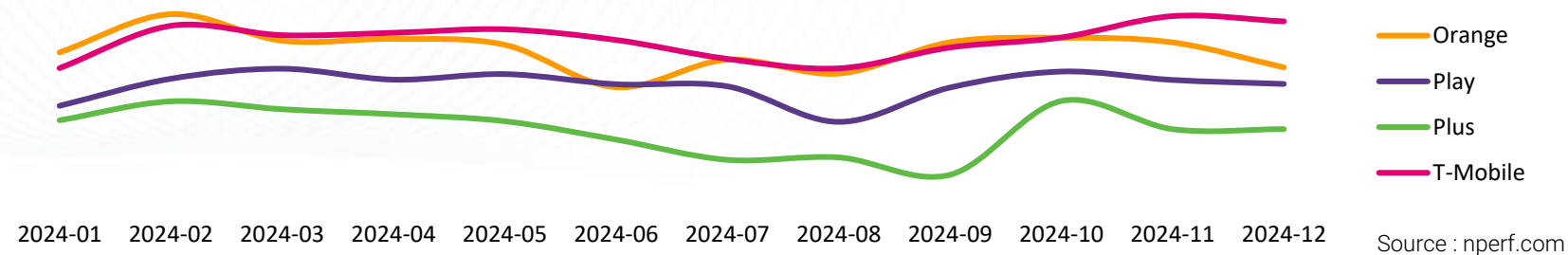
The nperf score takes into account the measured bitrates, the latency and the Qoe tests. The value of the points for the rates and the latency is calculated on a logarithmic scale, to better represent the perception of the user.

Thus, this score reflects the overall quality of the connection experienced by the user.

Source : nperf.com



nPerf score evolution over the year (average)



Source : nperf.com

The background 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 aesthetic is clean and modern, with a focus on geometric and fluid forms.

↳ perf