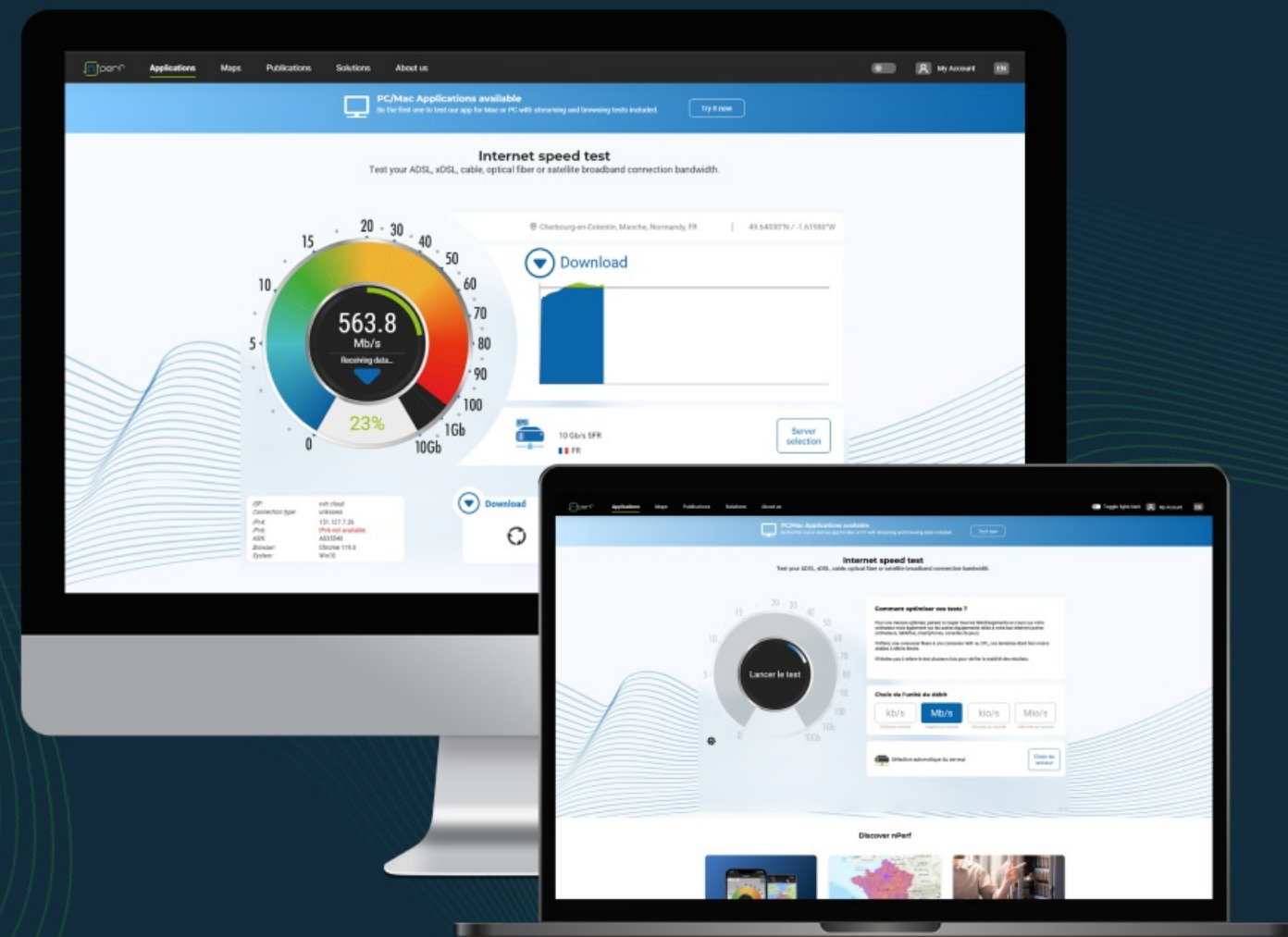




Barometer of fixed Internet Connections in Greece.

01/01/2023 - 31/12/2023



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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.

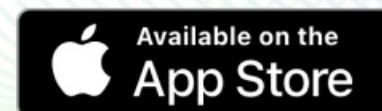
 **300k+** tests daily worldwide.

 **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 Vodafone enjoyed the best broadband performances in Greece during 2023.

Fixed Internet connections in Greece

	Cosmote	Nova	Vodafone
▼ Download bitrates (Mb/s)	46.67	44.17	43.58
▲ Upload bitrates (Mb/s)	7.74	7.49	7.16
◀▶ Latency (ms)	55.91	51.08	38.55

nPerf Score (nPoints)	92 100	92 332	96 515
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Source : nperf.com



Best fixed Internet performance in 2023



Source : nperf.com



Source : nperf.com

The evaluation of performance metrics and nPerf scores is critical to understanding the quality of service delivered to users. This analysis delves into the performance of major Greek ISPs, focusing on download and upload bitrates, latency, and the overall nPerf score, which collectively paint a picture of the user experience.

Leading the pack: Vodafone tops the charts

Vodafone Greece emerges as the frontrunner in this analysis, boasting an impressive nPerf score of 96,515 points. This score reflects a robust service offering, characterized by competitive download and upload speeds of 44 Mb/s and 7 Mb/s, respectively, and an outstanding latency performance of 39 ms. Such metrics signify a superior user experience, especially for data-intensive activities like streaming high-definition content and engaging in seamless web browsing.

Nova: a robust contender

Nova holds its ground with consistent performance metrics, featuring download and upload speeds of 44 Mb/s and 7 Mb/s, respectively, closely mirroring those of Vodafone. With a latency at 51 ms, Nova achieves a nPerf score of 92,332 points. This score reflects Nova's commitment to delivering a seamless internet experience, catering well to the needs of everyday browsing and streaming.

Cosmote: the speed champion

Cosmote showcases commendable performance with a download speed of 47 Mb/s and an upload speed of 8 Mb/s, the highest in this comparison. However, its higher latency of 56 ms, disqualify Cosmote to reach the top spot. Cosmote achieves a robust nPerf score of 92,100 points, very close to its direct competitor. With latency improvements, Cosmote could become a contender for the first place of our podium in 2024.

Conclusion:

The analysis of Greek ISPs reveals a competitive landscape where Vodafone leads with the highest nPerf score, signifying its superior overall service quality. Cosmote and Nova follow closely, with each displaying strengths in specific areas such as download and upload speeds and latency, respectively

4. Methodology



nPerf provides a **free tool 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.

For fixed connections, 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 from the nPerf server. The highest the measured value, the best is the bitrate of your connection.

◀▶ Latency (ping) :

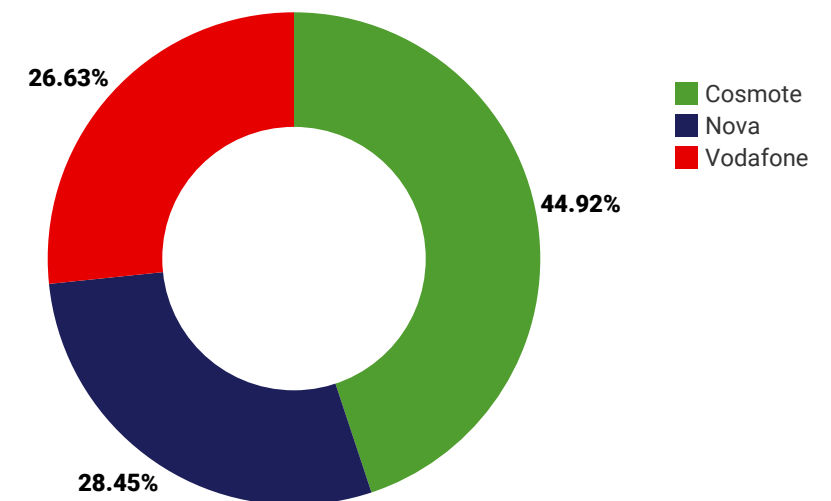
It indicated the delay a small packet of data requires to make a round-trip from your computer to the nPerf server. The shorter the delay, the most reactive your connection is. The main is the minimum value.

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 2 % 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



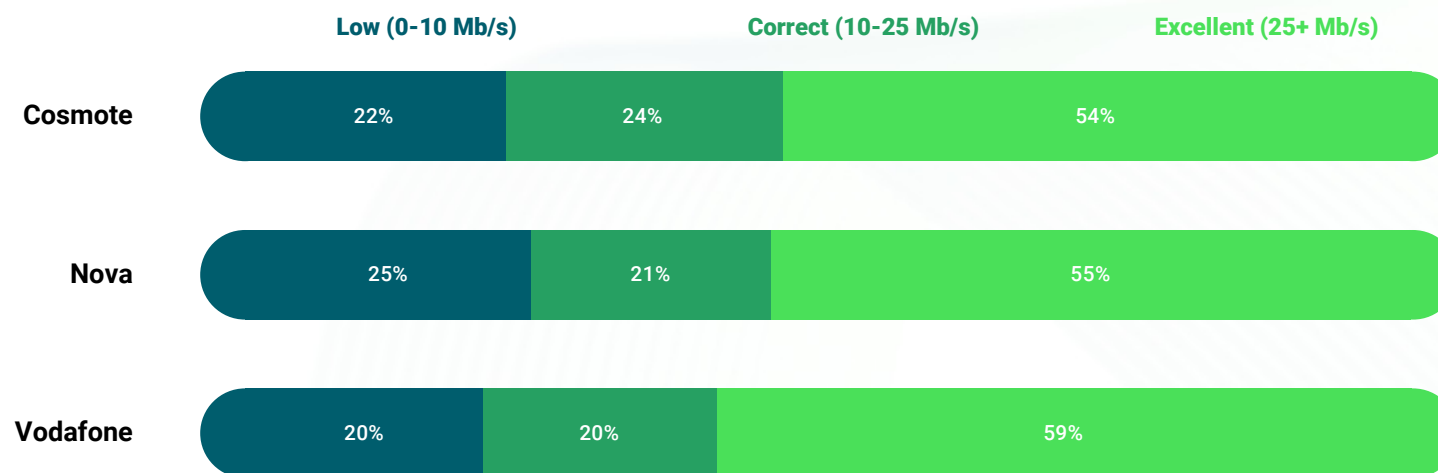
Download Speed (average)



Source : nperf.com

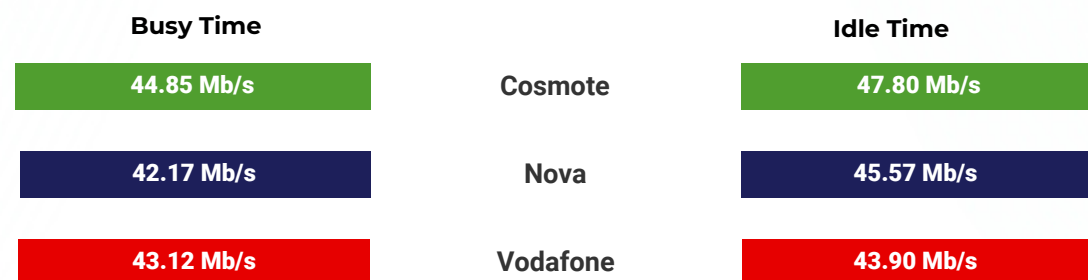
The subscribers of Cosmote enjoyed the best average broadband download speed in 2023.

Download Speed results ventilation (average)



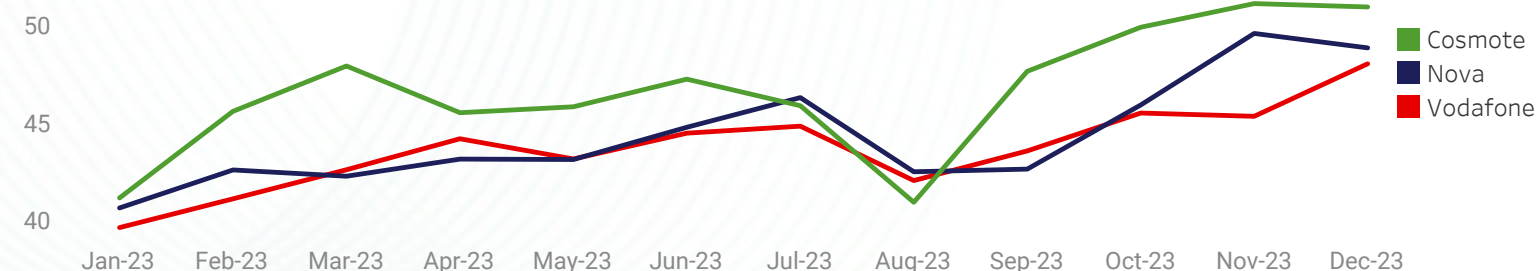
Source : nperf.com

Download Speed (average)



Source : nperf.com

Download Speed evolution over the year (average)



Source : nperf.com



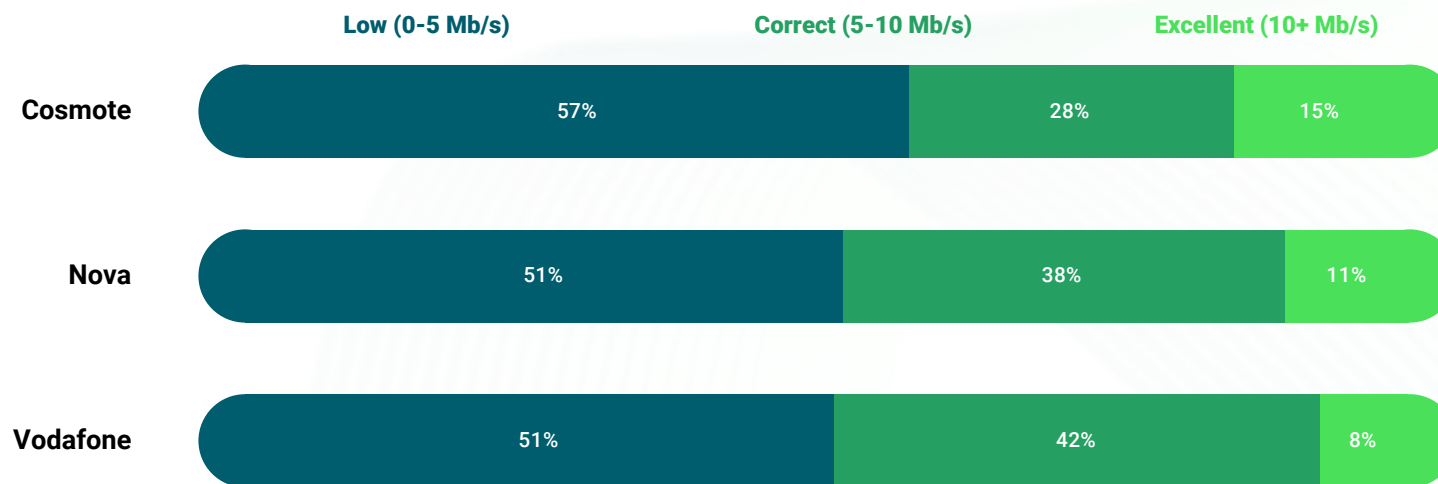
Upload Speed (average)



Source : nperf.com

The subscribers of Cosmote enjoyed the best average broadband upload speed in 2023.

Upload Speed results ventilation (average)



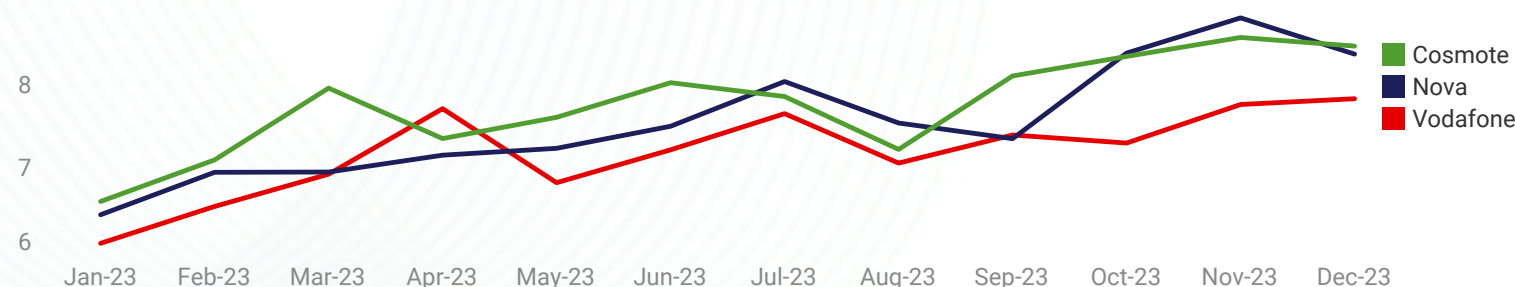
Source : nperf.com

Upload Speed (average)



Source : nperf.com

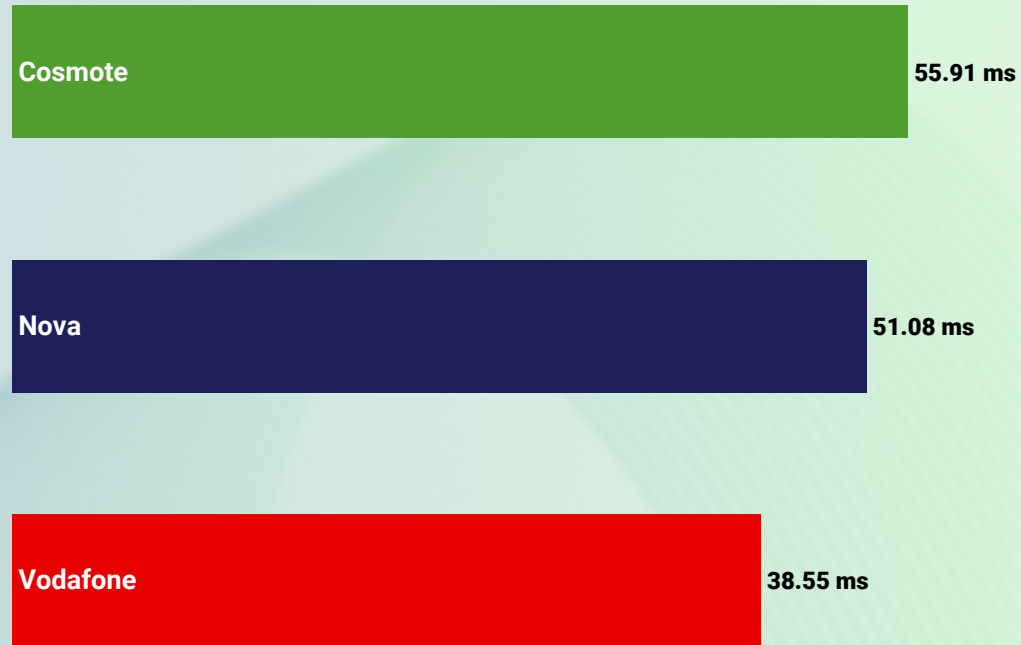
Upload Speed evolution over the year (average)



Source : nperf.com



Latency Speed (average)



Source : nperf.com

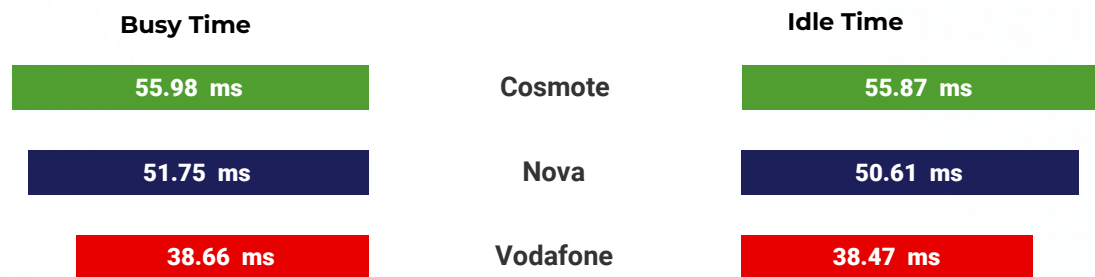
The subscribers of Vodafone enjoyed the best average broadband latency in 2023.

Latency Speed results ventilation (average)



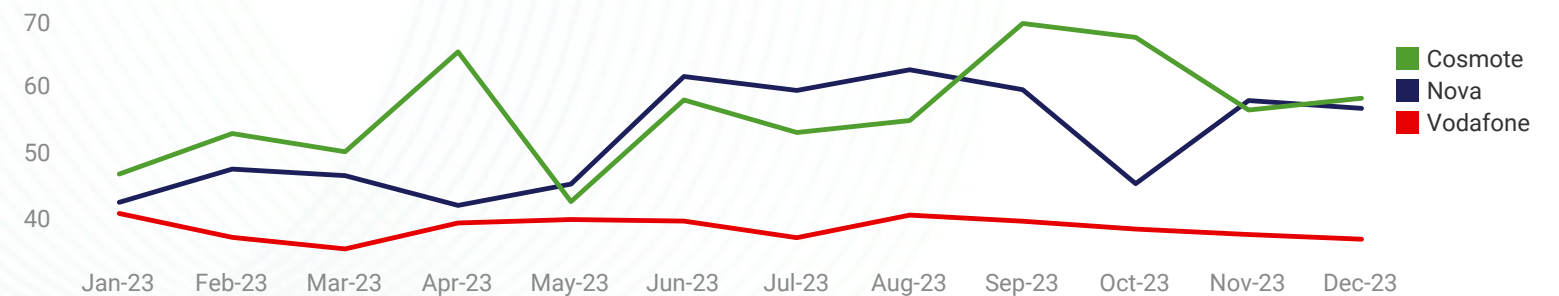
Source : nperf.com

Latency Speed (average)



Source : nperf.com

Average latency Speed evolution over the year



Source : nperf.com

nPerf Score (nPoints)



Source : nperf.com

The subscribers of Vodafone enjoyed the best broadband performances in Greece during 2023.

The nperf score takes into account the measured bitrates and the latency. 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

vodafone
Best fixed Internet performance in 2023



COSMOTE



NOVA

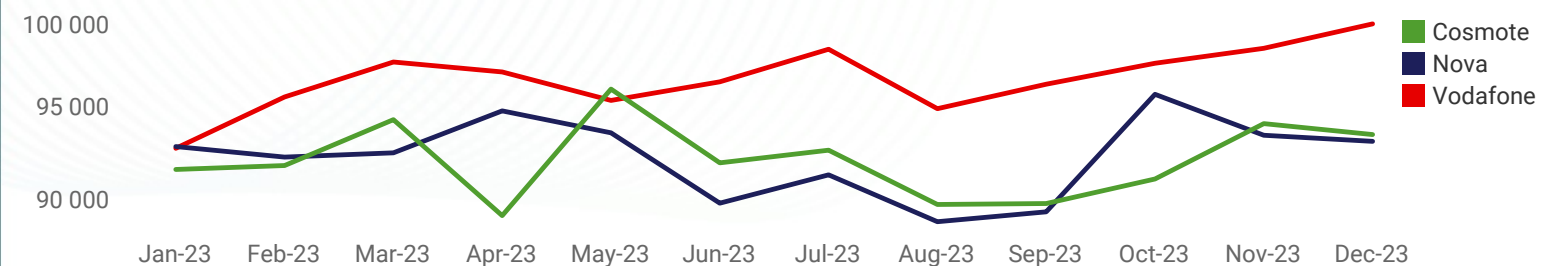


vodafone



Source : nperf.com

nPerf score evolution over the year (average)



Source : nperf.com



We qualify your connection