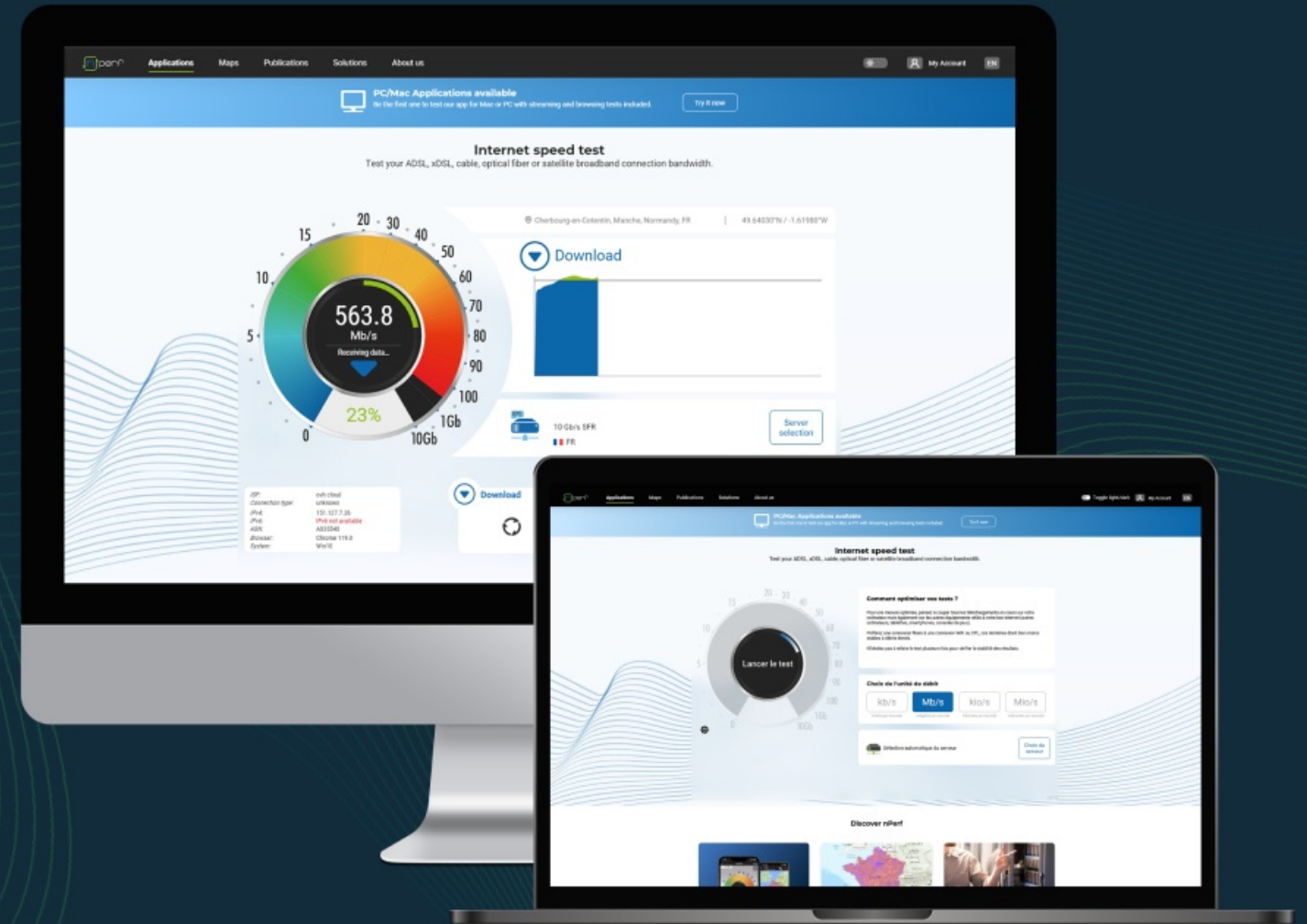


February 14, 2024



# Barometer of fixed Internet Connections in Slovakia.

01/01/2023 - 31/12/2023



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**nPerf Network  
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**26Md+** coverage  
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## 2. Executive Summary



The subscribers of ANTIK Telecom enjoyed the best broadband performances in Slovakia during 2023.

### Fixed Internet connections in Slovakia

	4ka	ANTIK Telecom	O2	Orange	Slovanet	Telekom	UPC
▼ Download bitrates (Mb/s)	78.68	165.28	48.26	134.73	68.47	123.62	155.32
▲ Upload bitrates (Mb/s)	34.93	157.19	12.21	57.13	24.14	50.48	21.74
◀▶ Latency (ms)	23.83	15.65	45.75	23.88	27.20	31.30	17.00

nPerf Score (nPoints)	127 369	158 162	99 292	139 662	119 730	132 107	140 346
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Source : nperf.com



Best fixed Internet performance  
in 2023



Source : nperf.com



Source : nperf.com



Slovakia's broadband market is characterized by a diverse array of Internet Service Providers, each offering unique service levels, as reflected in their download and upload bitrates, latency figures, and overall nPerf scores. This analysis aims to dissect these metrics to provide a clearer picture of the ISP landscape in Slovakia, focusing on the quality of internet service as it pertains to user experiences.

### **ANTIK Telecom: the unquestionable leader**

ANTIK Telecom sets the benchmark in Slovakia's broadband market with outstanding download and upload speeds of 165 Mb/s and 157 Mb/s, respectively. Coupled with a low latency of 16 ms, ANTIK Telecom achieves the highest nPerf score among its peers at 158,162 points, showcasing its prowess in delivering fast and responsive internet services.

### **UPC: the challenger with a twist**

UPC emerges as a strong contender with impressive download speeds of 155 Mb/s, rivaling that of ANTIK Telecom. However, its upload speed of 22 Mb/s and a latency of 17 ms present a mixed bag, culminating in an nPerf score of 140,346 points. This positions UPC as a formidable player, particularly for users prioritizing download speeds.

### **Orange: the balanced performer**

Orange offers a well-rounded service with download and upload speeds of 135 Mb/s and 57 Mb/s, respectively, paired with a latency of 24 ms. With an nPerf score of 139,662 points, Orange stands out for its balanced approach, catering to both download and upload needs effectively.

### **Telekom: the reliable contender**

Telekom demonstrates solid performance with download and upload speeds of 124 Mb/s and 50 Mb/s, respectively, and a latency of 31 ms. Its nPerf score of 132,107 points reflects a reliable service that competes strongly in the Slovak broadband market.

### **4ka and Slovanet: room for improvement**

4ka and Slovanet show promising potential with nPerf scores of 127,369 and 119,730 points, respectively. 4ka offers download and upload speeds of 79 Mb/s and 35 Mb/s with a latency of 24 ms, while Slovanet provides download and upload speeds of 68 Mb/s and 24 Mb/s with a latency of 27 ms. Both ISPs highlight the competitive nature of Slovakia's broadband sector, indicating room for growth and improvement.

### **O2: lagging behind**

O2 KPI results suggest areas for enhancement. The download speed stands at 48 Mb/s, but the other metrics indicate a need for development to boost its nPerf score and overall service quality.

### **Conclusion:**

Slovakia's broadband market is marked by a spectrum of performances, from ANTIK Telecom's leading speed capabilities to O2's potential for growth. The diversity in service offerings, from high-speed downloads to balanced upload and download capabilities, provides Slovak consumers with a range of choices to suit different needs and preferences.

## 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) :

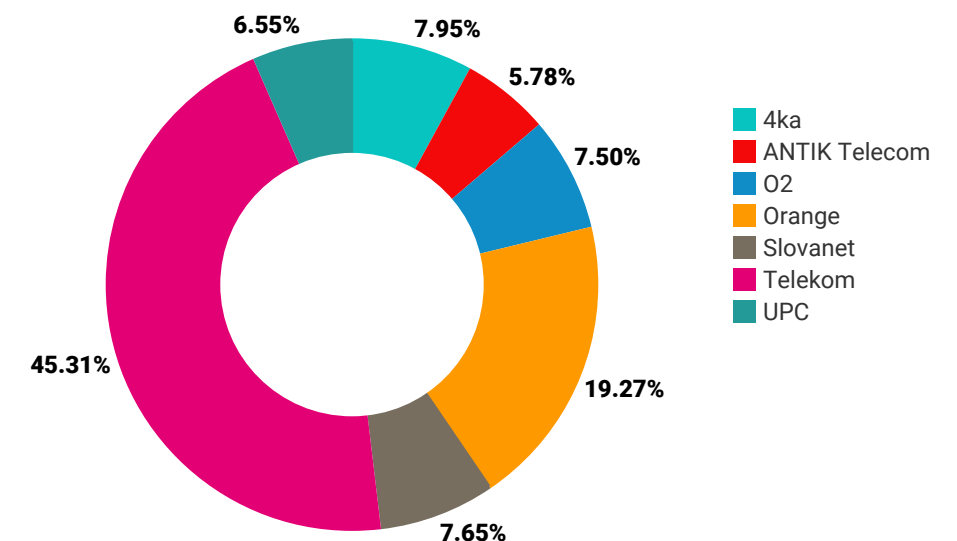
It indicated the delay a small packet of data requires to make a round-trip from your computer to the nPerf server. The shorter the delay, the most reactive your connection is. The main is the minimum value.

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)

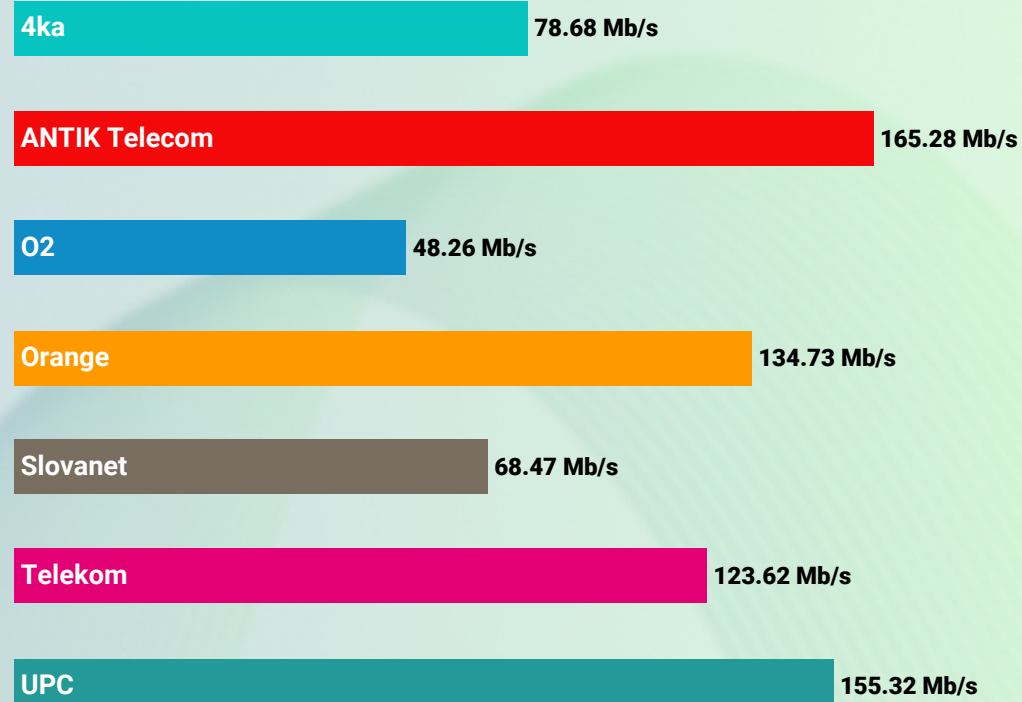


Source : nperf.com





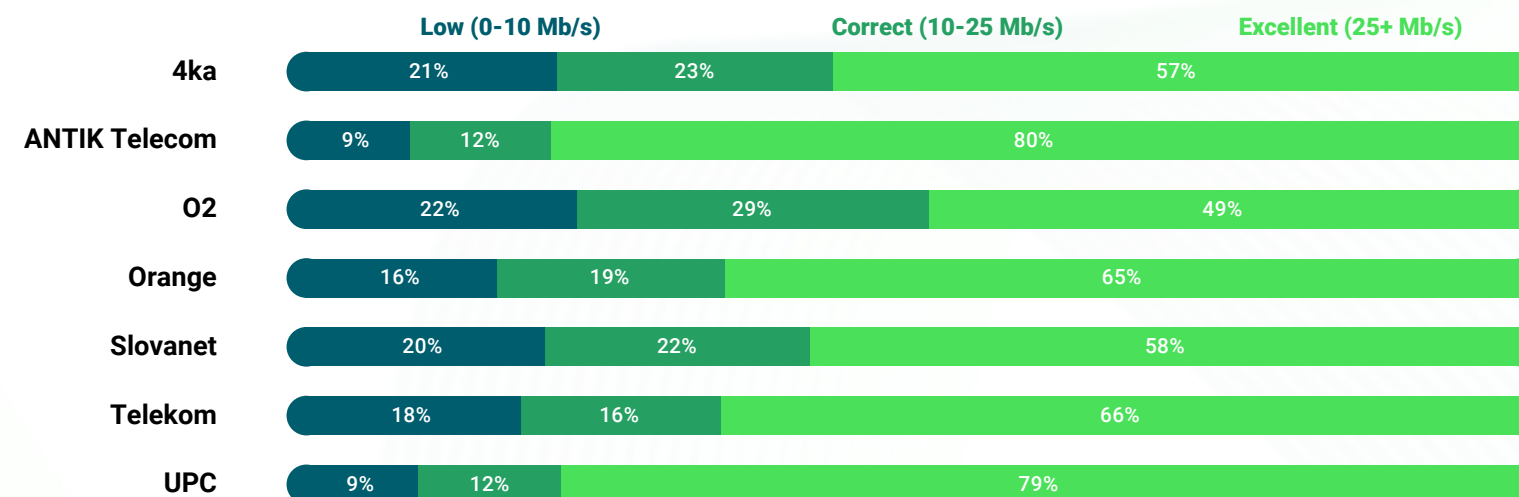
## Download Speed (average)



Source : nperf.com

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

## Download Speed results ventilation (average)



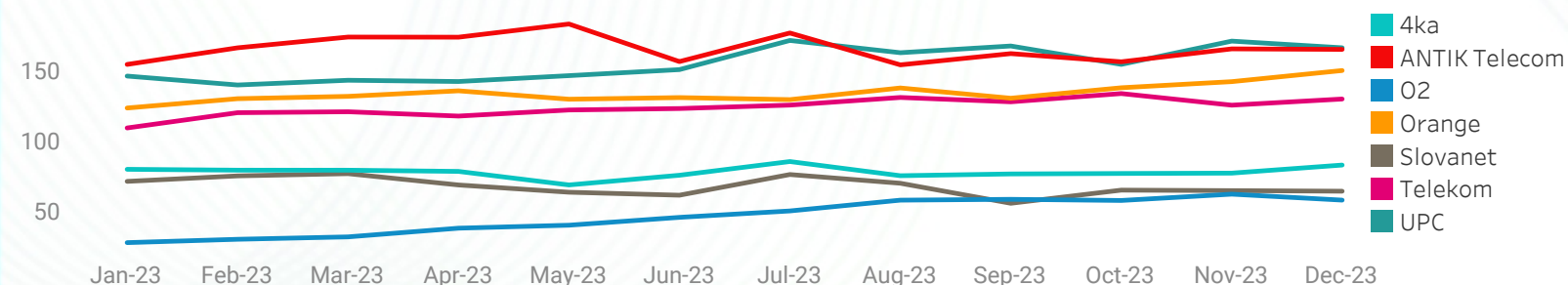
Source : nperf.com

## Download Speed (average)



Source : nperf.com

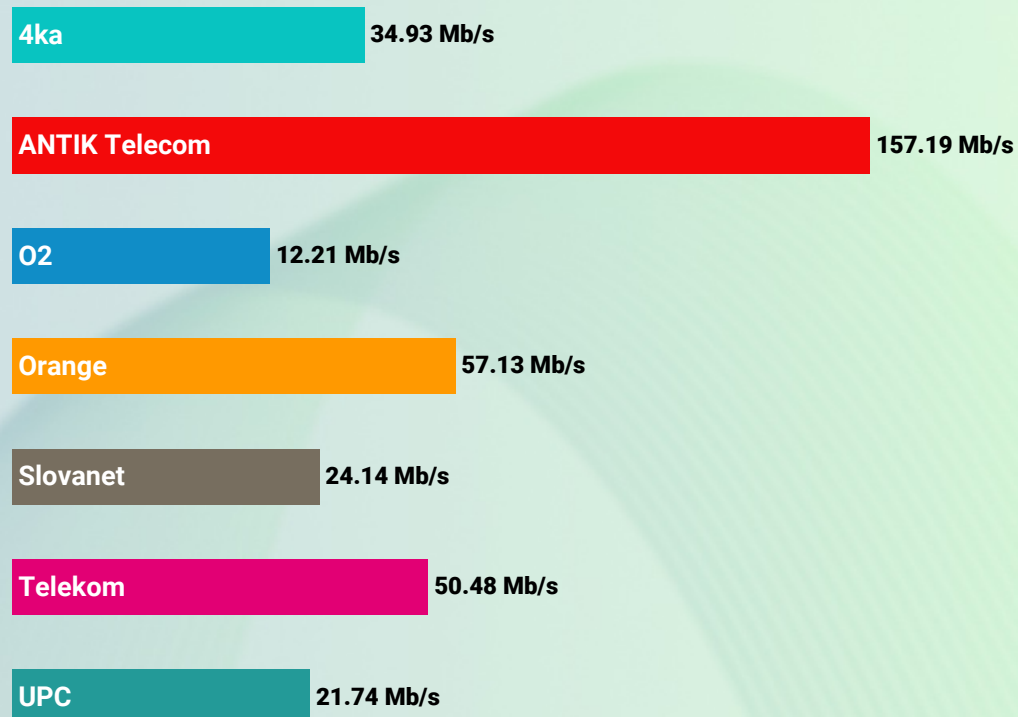
## Download Speed evolution over the year (average)



Source : nperf.com



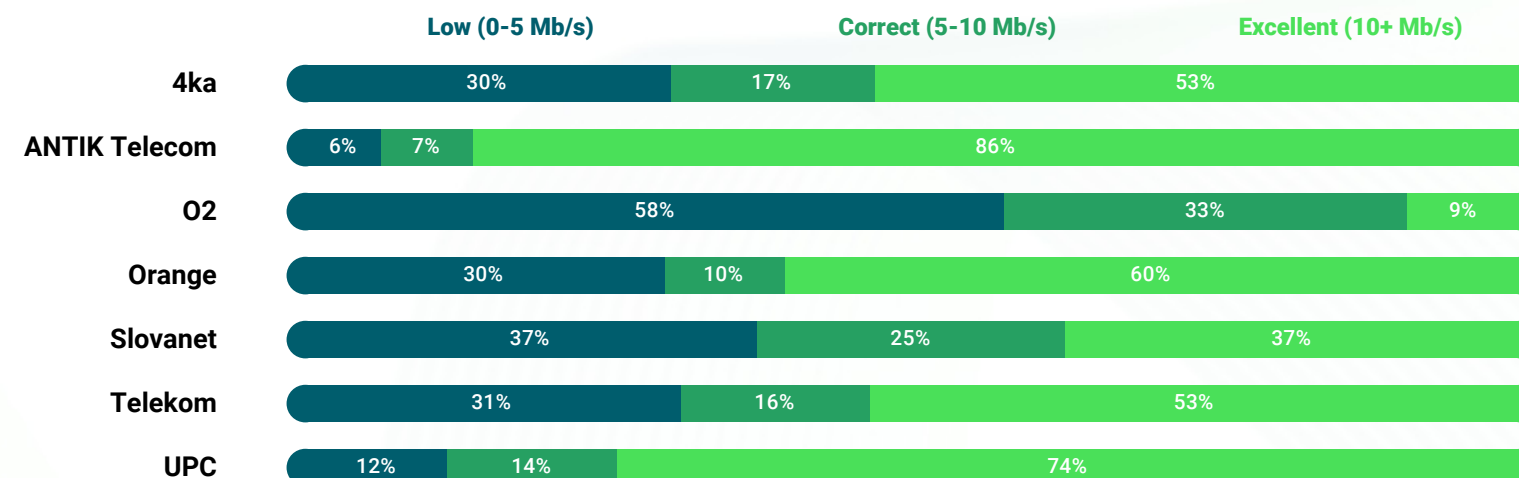
## Upload Speed (average )



Source : nperf.com

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

## Upload Speed results ventilation (average)



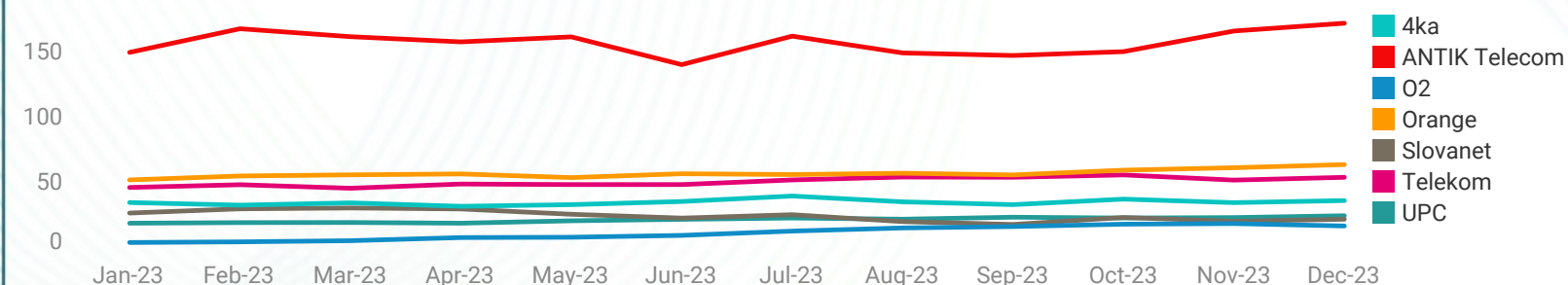
Source : nperf.com

## Upload Speed (average)



Source : nperf.com

## Upload Speed evolution over the year (average)

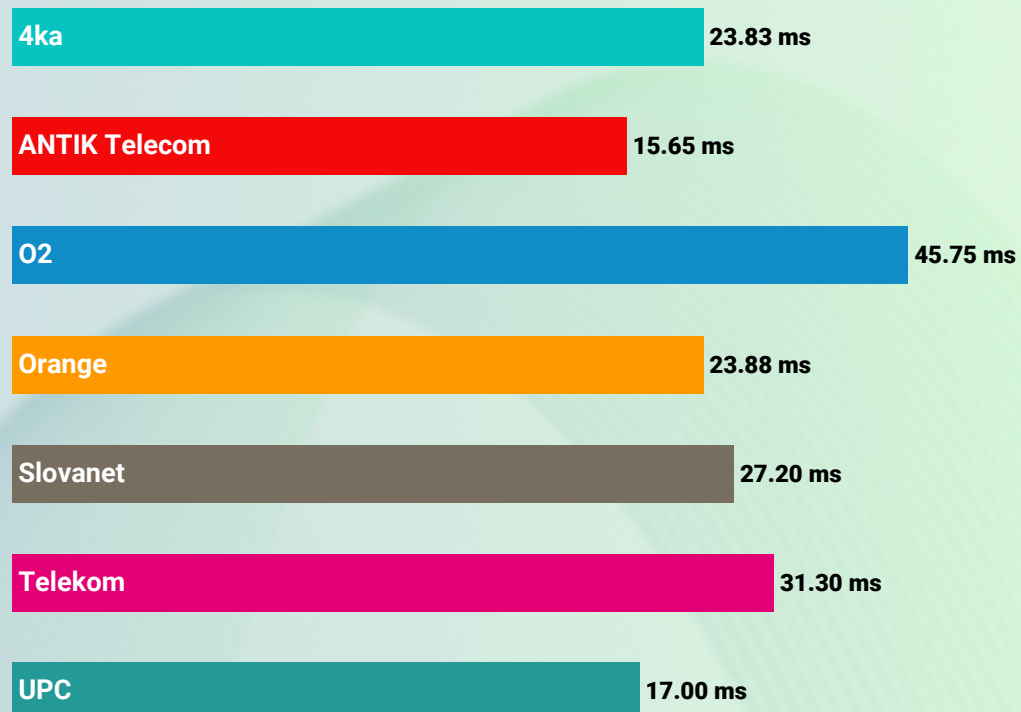


Source : nperf.com





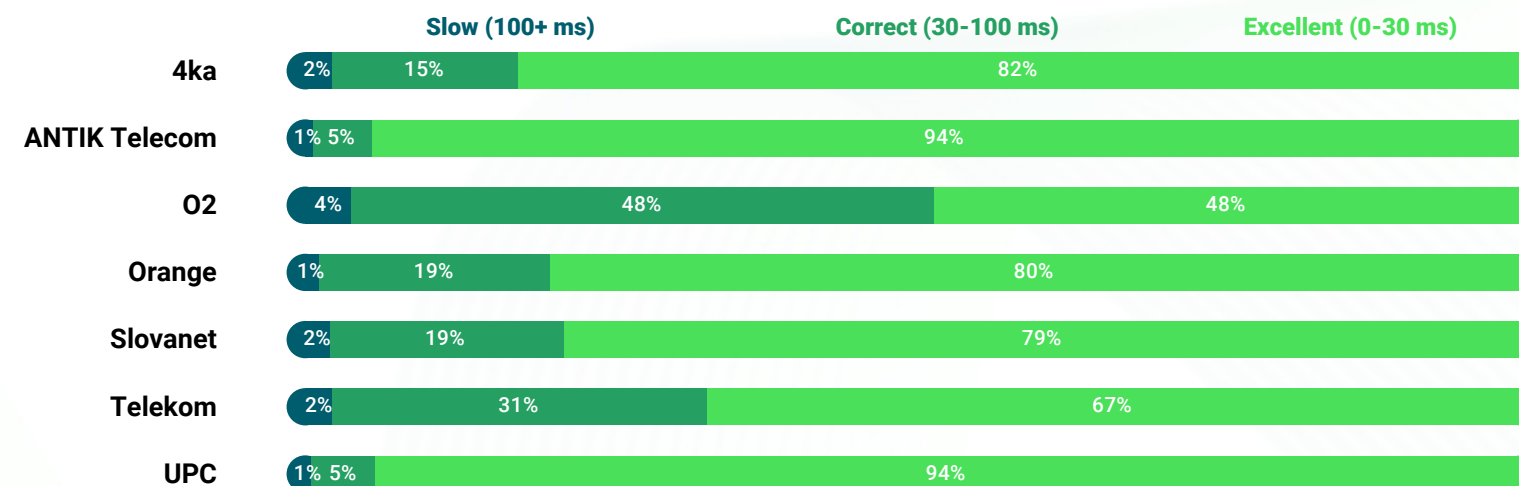
## Latency Speed (average)



Source : nperf.com

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

## Latency Speed results ventilation (average)



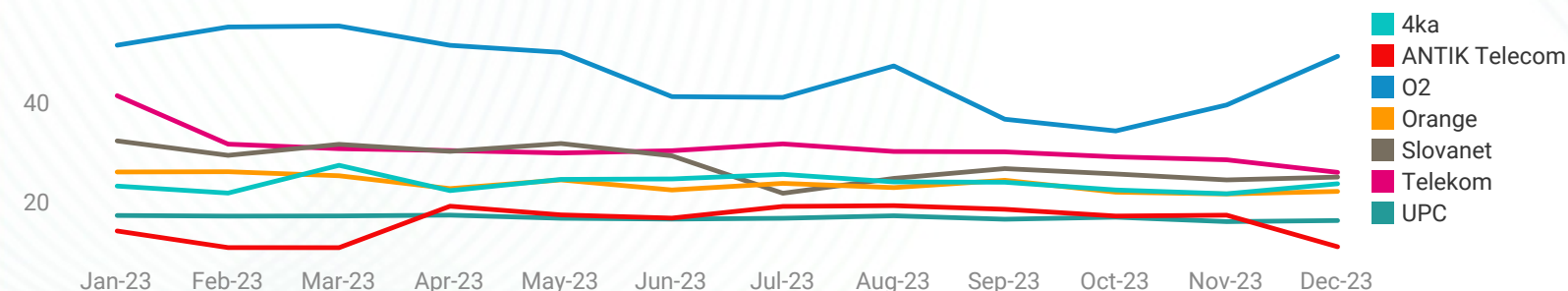
Source : nperf.com

## Latency Speed (average)



Source : nperf.com

## Average latency Speed evolution over the year

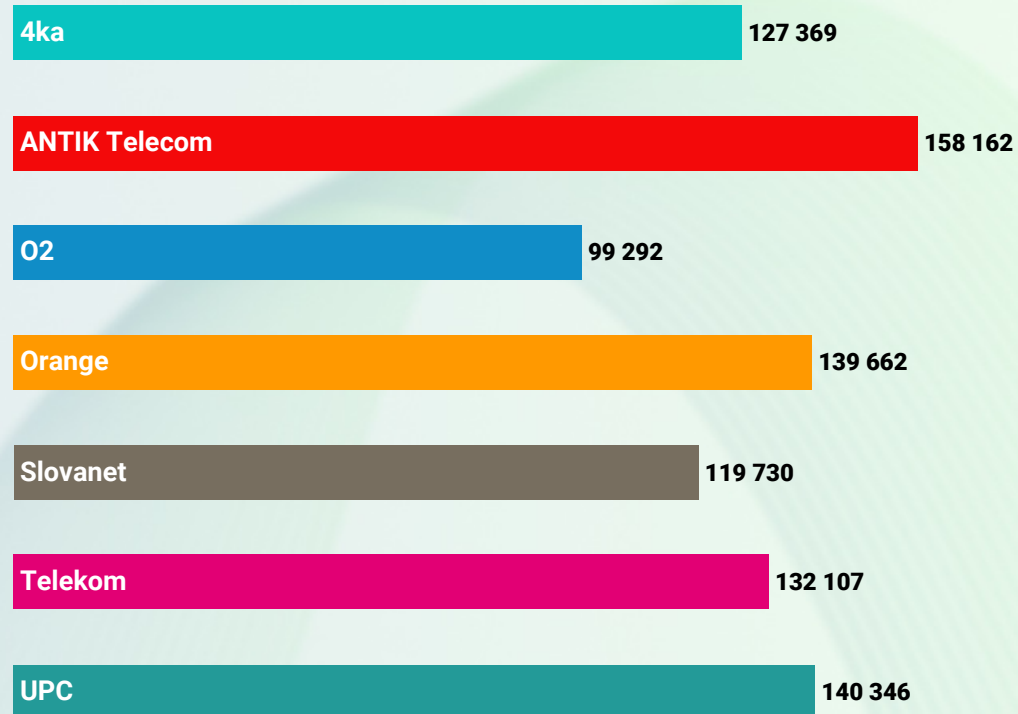


Source : nperf.com

# Fixed Internet performance in Slovakia



## nPerf Score (nPoints)



Source : nperf.com

The subscribers of ANTIK Telecom enjoyed the best broadband performances in Slovakia during 2023.

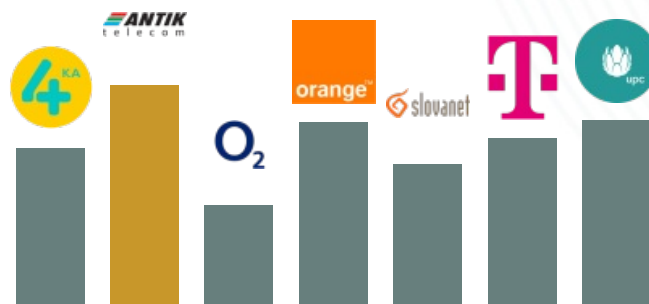
The nperf score takes into account the measured bitrates and the latency. The value of the points for the rates and the latency is calculated on a logarithmic scale, to better represent the perception of the user.

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

Source : nperf.com

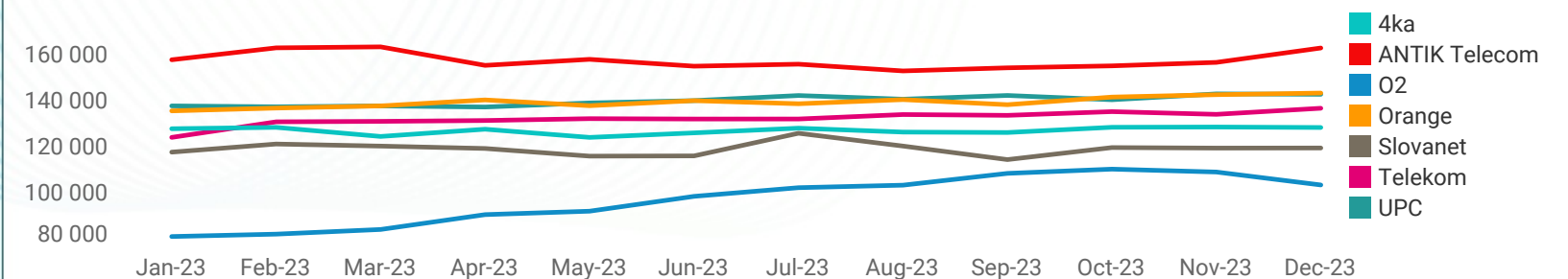
**ANTIK**  
telecom

Best fixed Internet performance  
in 2023



Source : nperf.com

## nPerf score evolution over the year (average)



Source : nperf.com



