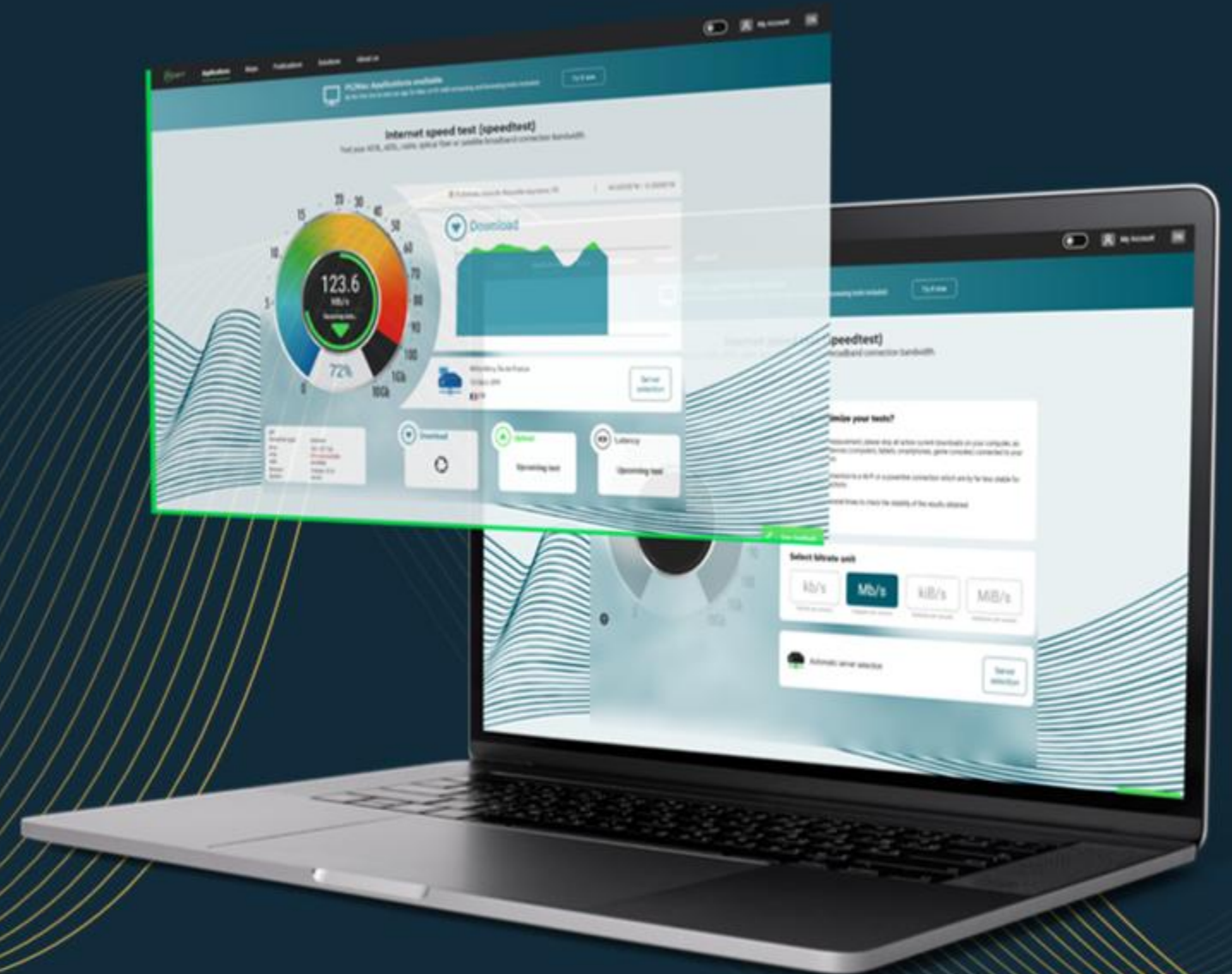


07/09/2025

Barometer of fixed Internet connections in Kazakhstan

07/01/2024 - 06/30/2025



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**Introducing
nPerf**

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summary**

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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.

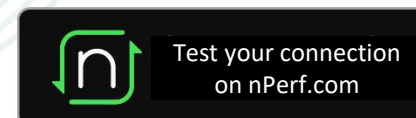
 **300k+** tests daily
worldwide.

 **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 Kazakhtelecom enjoyed the best fixed Internet performances in 2025.

Fixed Internet connections in Kazakhstan

	Beeline	<u>Kazakhtelecom</u>	Kcell	Tele2
▼ Download speedss (Mb/s)	55.76	81.03	77.50	51.38
▲ Upload speedss (Mb/s)	59.12	74.70	16.08	19.54
◀▶ Latency (ms)	32.00	42.16	52.46	45.94
🌐 Web browsing (%)	61.52	60.74	56.67	57.63
📺 Youtube streaming (%)	72.66	80.52	64.61	70.13
📊 nPerf Score (nPoints)	80 775	86 921	64 722	66 368

Source : nPerf.com



ҚАЗАҚТЕЛЕКОМ

Best fixed Internet performance
in 2025



Source : nPerf.com



Beeline™



ҚАЗАҚТЕЛЕКОМ

Kcell

TELE2

Source : nPerf.com

The subscribers of Beeline enjoyed the best FTTH Internet performances in Kazakhstan in 2025.

FTTH fixed Internet connections in Kazakhstan

	Beeline	Kazakhtelecom	Kcell	Tele2
 Download speedss (Mb/s)	220.74	239.99	304.16	254.89
 Upload speedss (Mb/s)	281.12	238.99	130.60	122.36
 Latency (ms)	13.95	28.24	35.14	30.46
 Web browsing (%)	73.76	68.31	69.14	70.30
 Youtube streaming (%)	74.58	85.43	74.52	78.99
 nPerf Score (nPoints)	125 280	120 511	108 869	112 703

Source : nPerf.com

The subscribers of Beeline enjoyed the best WIFI Internet performances in Kazakhstan in 2025.

fixed Internet connections in Kazakhstan

	Beeline	Kazakhtelecom	Kcell	Tele2
 Download speedss (Mb/s)	50.51	72.60	65.60	39.78
 Upload speedss (Mb/s)	56.67	67.24	18.32	20.50
 Latency (ms)	27.85	40.33	54.61	48.12
 Web browsing (%)	71.87	60.91	55.96	58.82
 Youtube streaming (%)	80.13	80.90	68.69	71.27
 nPerf Score (nPoints)	92 108	85 993	65 146	64 715

Source : nPerf.com

3. Analysis



Introduction

Kazakhtelecom leads the fixed Internet sector in Kazakhstan, taking the top position previously held by Beeline. With a score of 86,921 nPoints, Kazakhtelecom demonstrates strong overall performance across key metrics. In terms of technology focus, Beeline maintains its leading position for both WiFi and FTTH connections. For specific performance indicators, Kazakhtelecom ranks first in download speeds (81.0 Mbps) and upload speeds (74.7 Mbps), which enables efficient file transfers and high-quality video conferences. Beeline excels in latency (32.0 ms), providing responsive online gaming experiences, while both Beeline and Kazakhtelecom share the top position for browsing performance, ensuring fast webpage loading times. Kazakhtelecom leads in video streaming with a solid 80.5% performance rating.

Kazakhtelecom: New sector leader with balanced performance

With a score of 86,921 nPoints, Kazakhtelecom has claimed the first position in the Kazakhstani fixed internet sector. The operator demonstrates particularly strong results in download speeds (81.0 Mbps) and upload speeds (74.7 Mbps), where it ranks n°1 in both categories. This combination offers users a smooth experience when streaming high-definition content or participating in video conferences. Kazakhtelecom also leads in video streaming performance with an 80.5% rating, ensuring fluid viewing of online content. The company has shown significant improvement across multiple metrics, with a 44.8% increase in download speeds and a 49.1% improvement in upload performance.

Beeline: A good user experience despite shift in ranking

Beeline achieves a score of 80,775 nPoints, securing the second position in the sector. The operator maintains its leadership in both WiFi and FTTH technologies, demonstrating its strength in fixed connections. Beeline ranks first in latency performance (32.0 ms), providing users with responsive interactions for online gaming and real-time applications. The operator also shares the top position in browsing performance (61.5%), ensuring quick webpage loading times for everyday

internet use. These solid metrics make Beeline particularly well-suited for users who prioritize responsive internet experiences.

Kcell: nNtable improvements

Scoring 64,722 nPoints, Kcell holds the third position in Kazakhstan's fixed internet sector. The operator delivers good download speeds of 77.5 Mbps, ranking third in this category, which supports smooth streaming and efficient file downloads. Kcell has made substantial progress in its network performance, with an impressive 54.6% improvement in download speeds and a 29.6% increase in upload speeds. These enhancements demonstrate Kcell's commitment to improving its service quality and user experience.

Tele2: Consistent performance with significant speed improvements

Tele2 achieves a score of 66,368 nPoints, placing fourth in the sector ranking. The operator shows balanced performance across key metrics, with particularly good results in video streaming (70.1%). Tele2 has made notable progress in enhancing its network capabilities, with a 31.9% improvement in download speeds and a 29.3% increase in upload performance. These significant advancements indicate Tele2's ongoing investment in network quality to better serve its customers.

Conclusion

Kazakhstan's fixed internet sector shows healthy competition, with Kazakhtelecom now leading the sector after overtaking the previous leader, Beeline. Both operators offer strong performance across different metrics, with Kazakhtelecom excelling in speed-related categories while Beeline maintains an edge in responsiveness. The significant improvements demonstrated by all major operators highlight the dynamic nature of Kazakhstan's telecommunications sector and its continued development to meet evolving consumer 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 mean 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

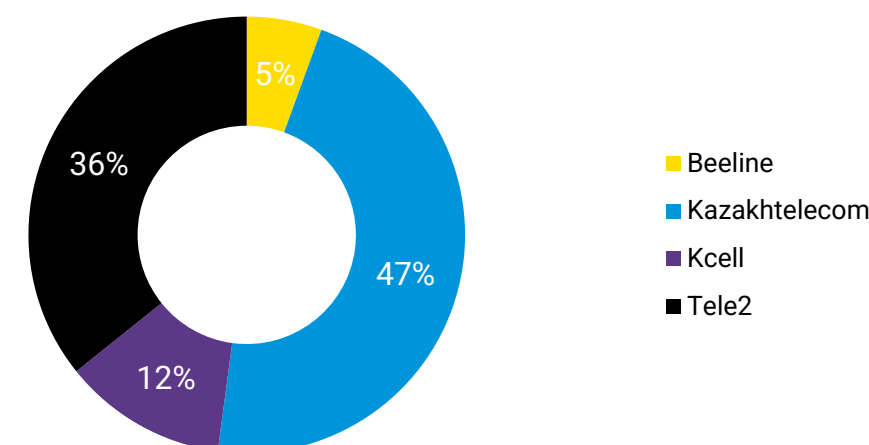
The video streaming test gauges the load time of a fully loaded video in three resolutions on YouTube, considering stalls during playback. This indicator reflects the perceived quality by the user.

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.

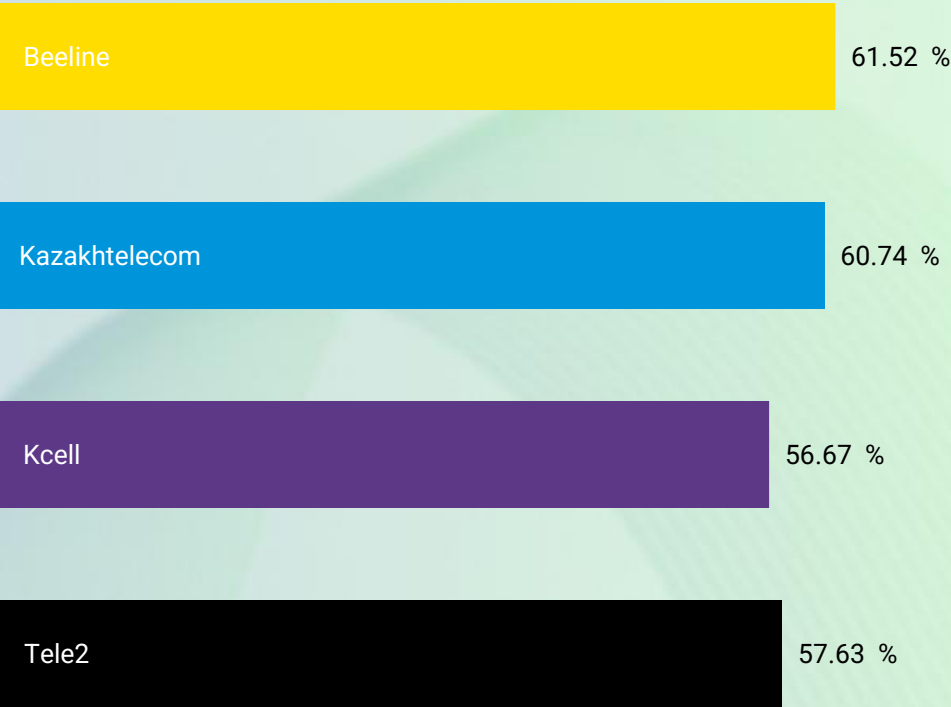
Overall distribution of the tests per provider (ISPs Share)



Source : nPerf.com



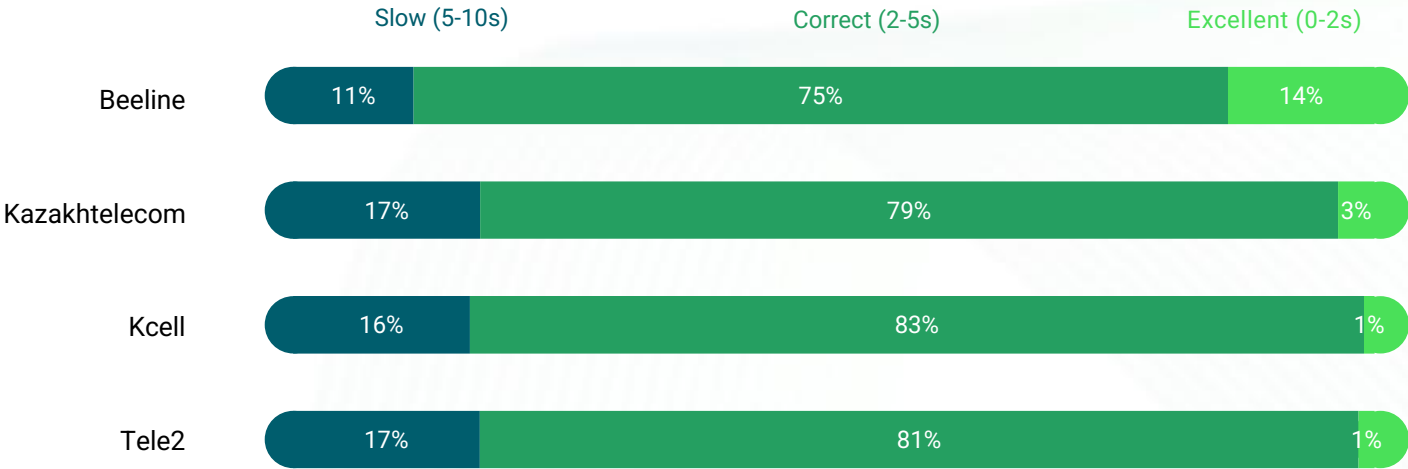
Browsing Performance rate (average)



Source : nPerf.com

The subscribers of Beeline and Kazakhtelecom enjoyed the best fixed Internet browsing performance in 2025.

Browsing Performance results ventilation (average)



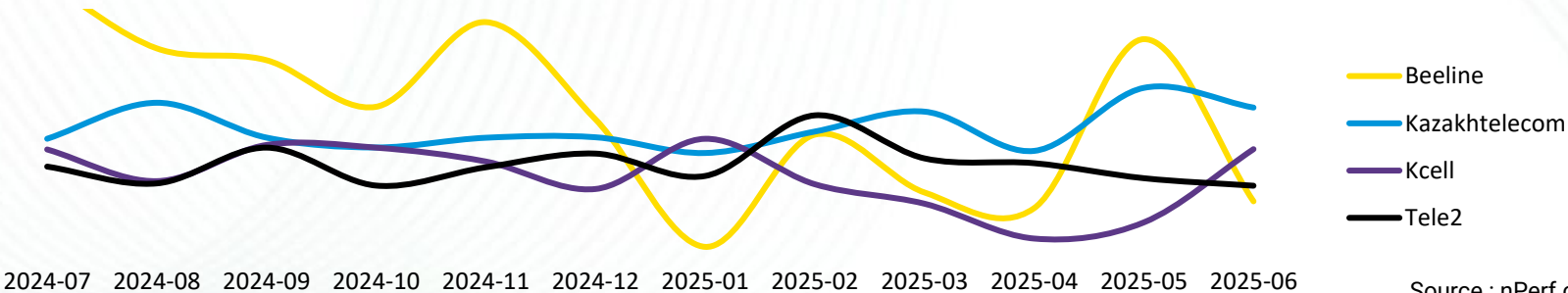
Source : nPerf.com

Browsing Performance rate (average)



Source : nPerf.com

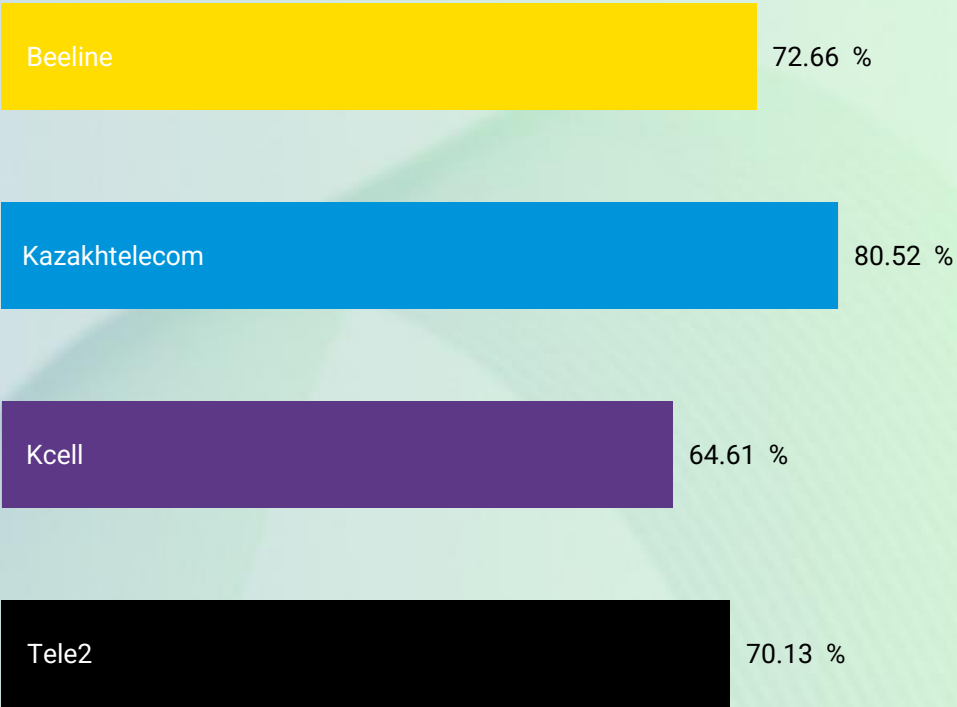
Browsing performance rate (average) evolution over the year



Source : nPerf.com



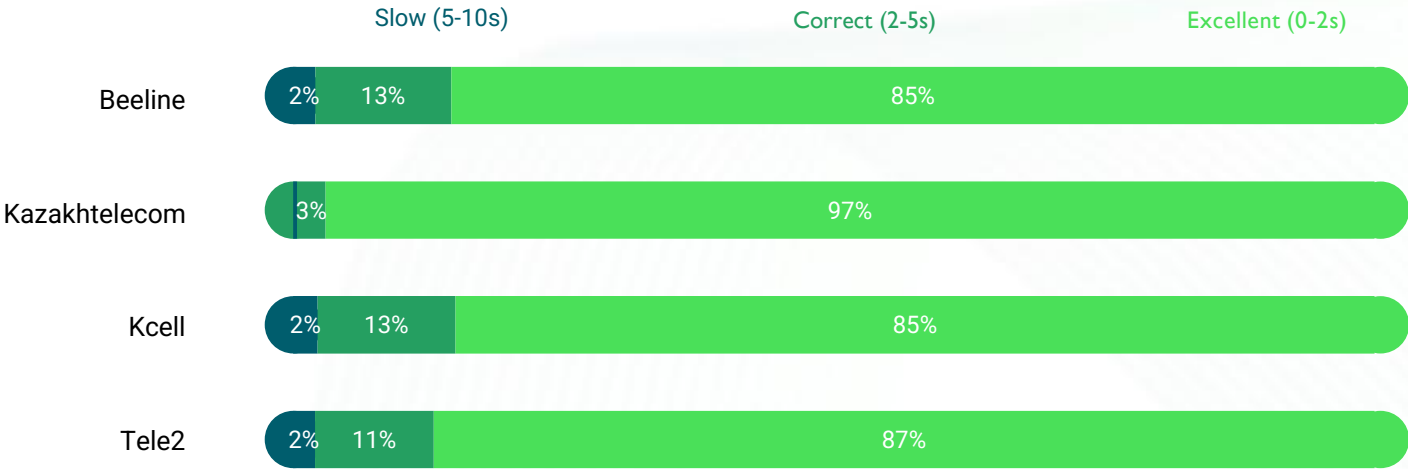
Streaming Performance rate (average)



Source : nPerf.com

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

Streaming Performance results ventilation (average)



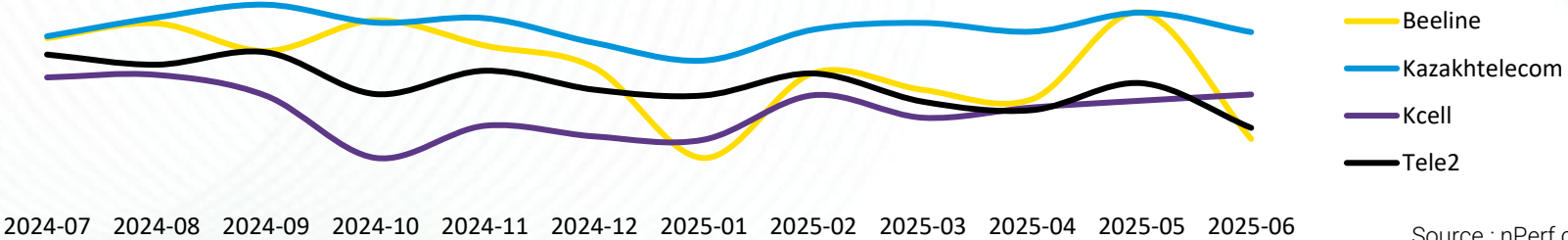
Source : nPerf.com

Streaming Performance rate (average)



Source : nPerf.com

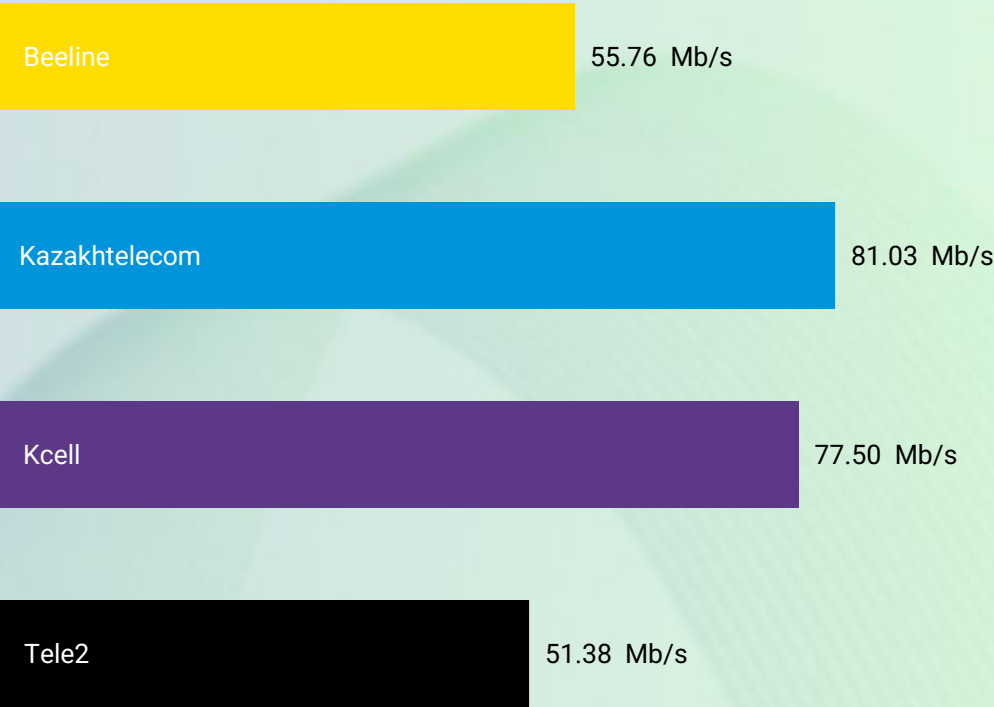
Streaming performance rate (average) evolution over the year



Source : nPerf.com



Download Speed (average)



Source : nPerf.com

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

Download Speed results ventilation (average)



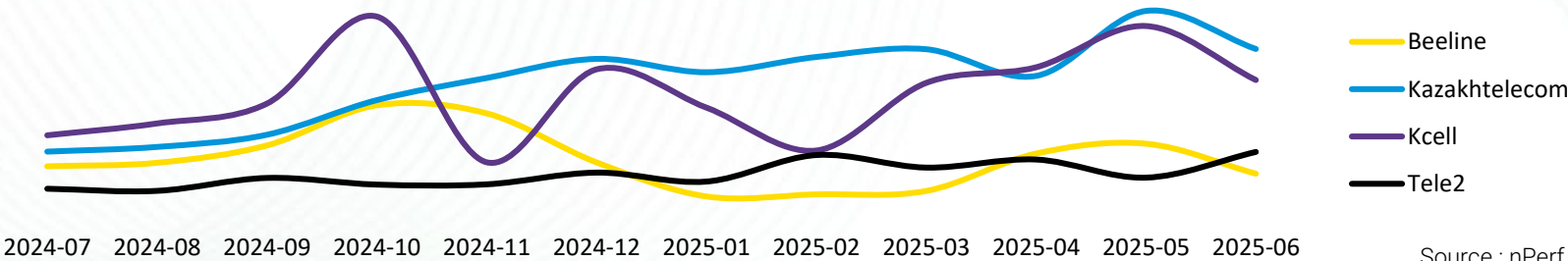
Source : nPerf.com

Download Speed (average)



Source : nPerf.com

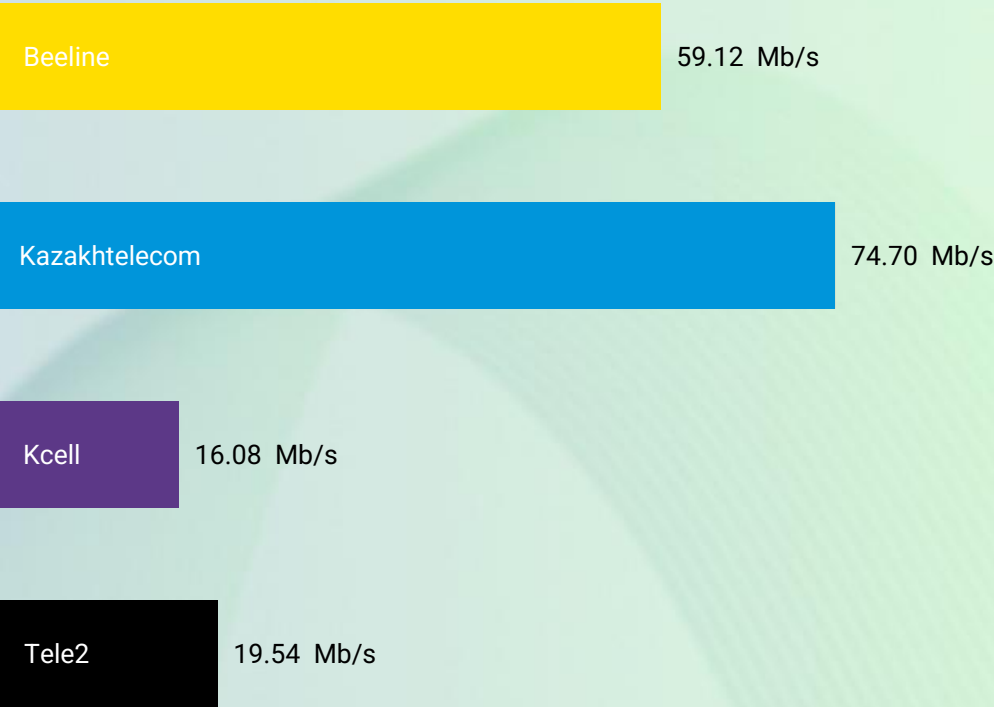
Download Speed evolution over the year (average)



Source : nPerf.com



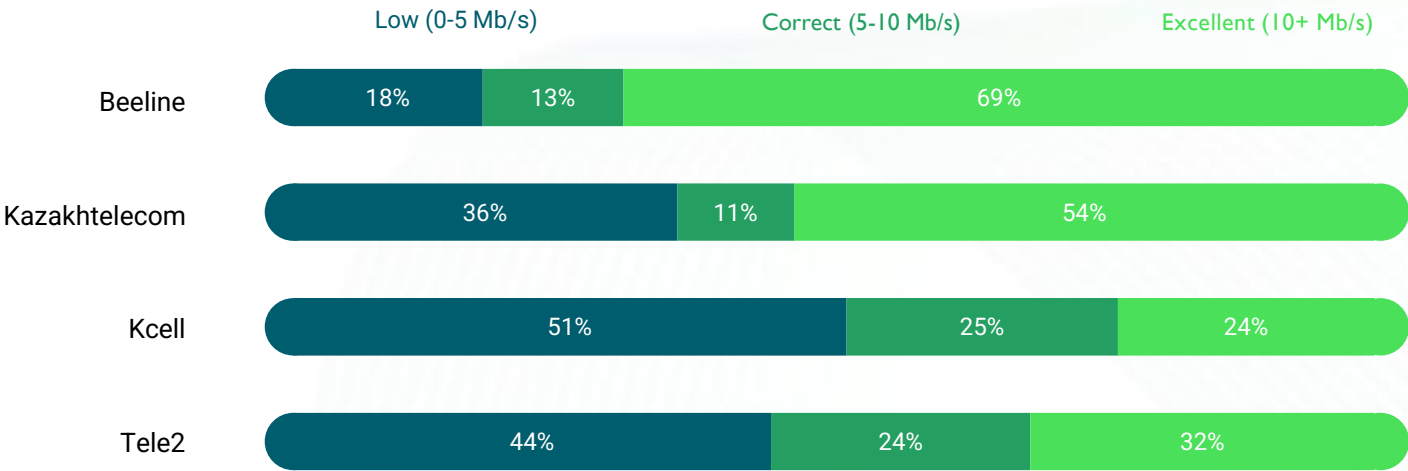
Upload Speed (average)



Source : nPerf.com

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

Upload Speed results ventilation (average)



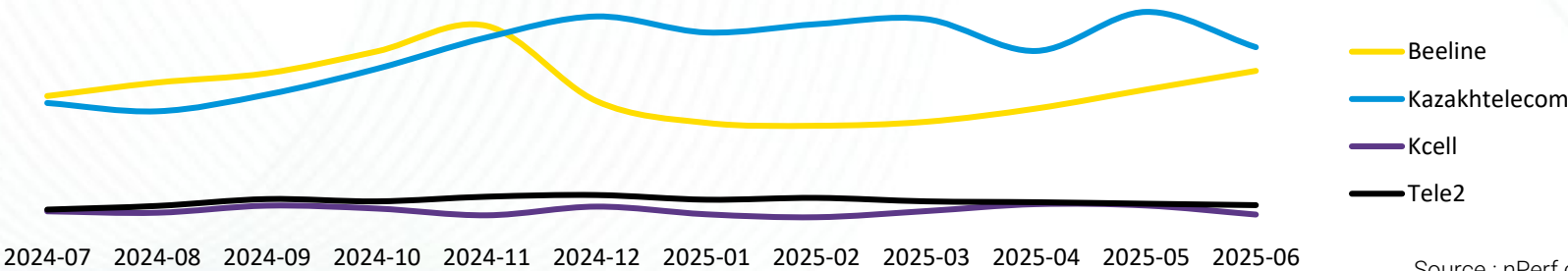
Source : nPerf.com

Upload Speed (average)



Source : nPerf.com

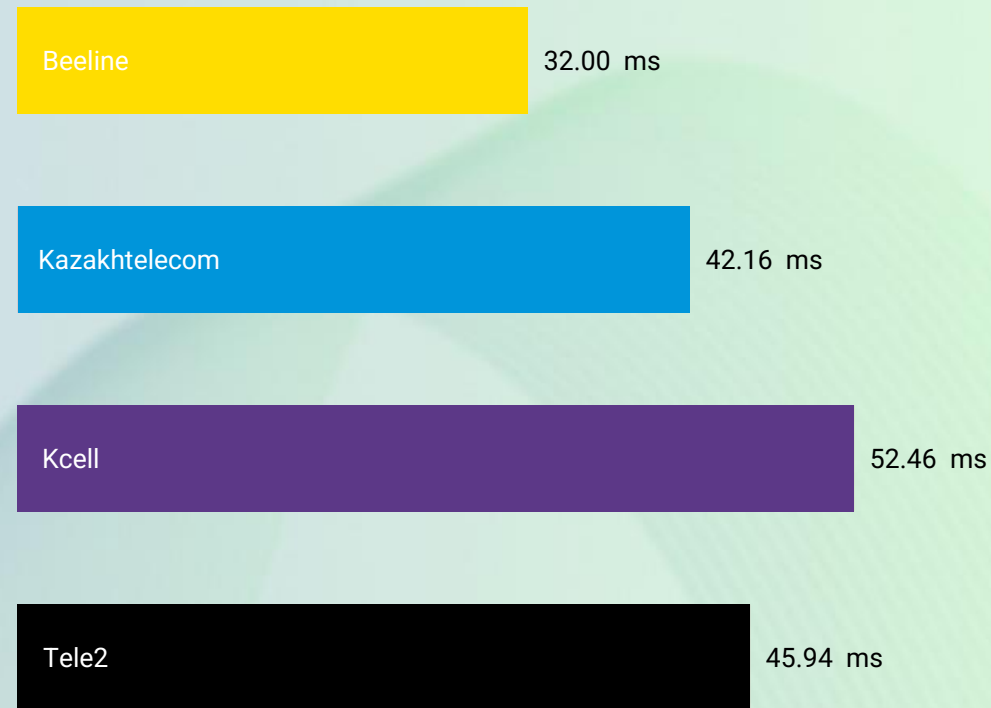
Upload Speed evolution over the year (average)



Source : nPerf.com



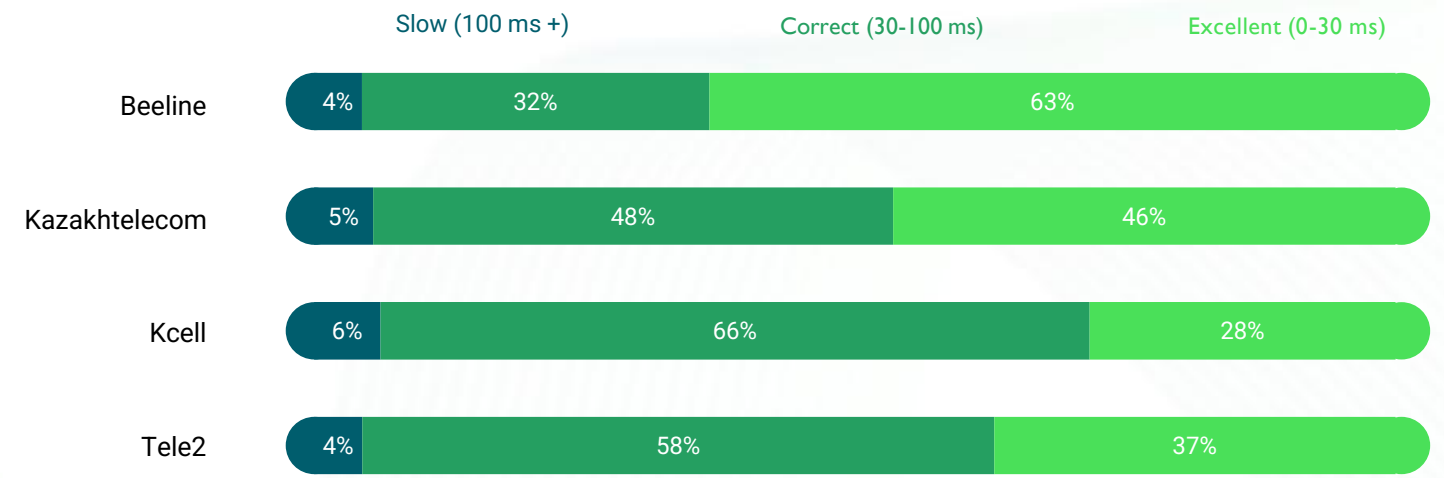
Latency Speed (average)



Source : nPerf.com

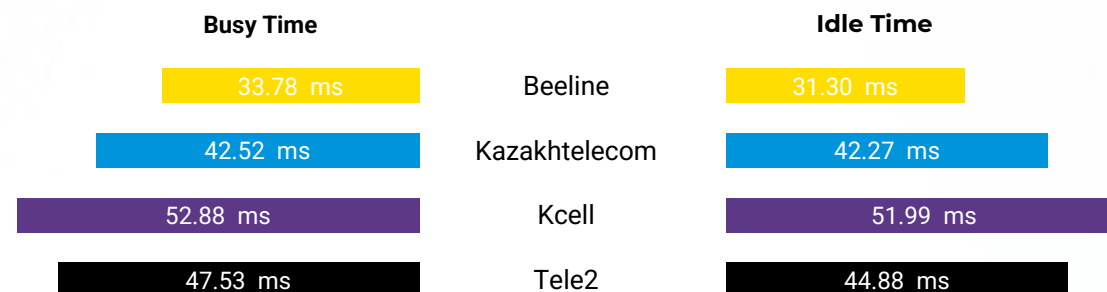
The subscribers of Beeline enjoyed the best average fixed Internet latency speed in 2025.

Latency Speed results ventilation (average)



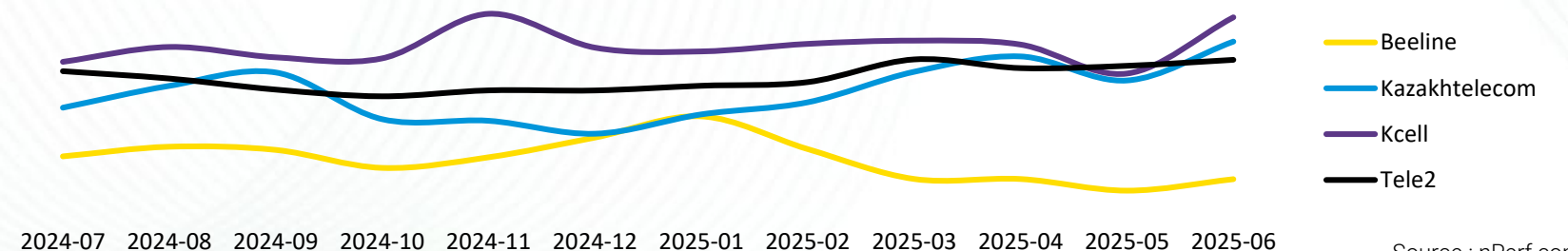
Source : nPerf.com

Latency Speed (average)

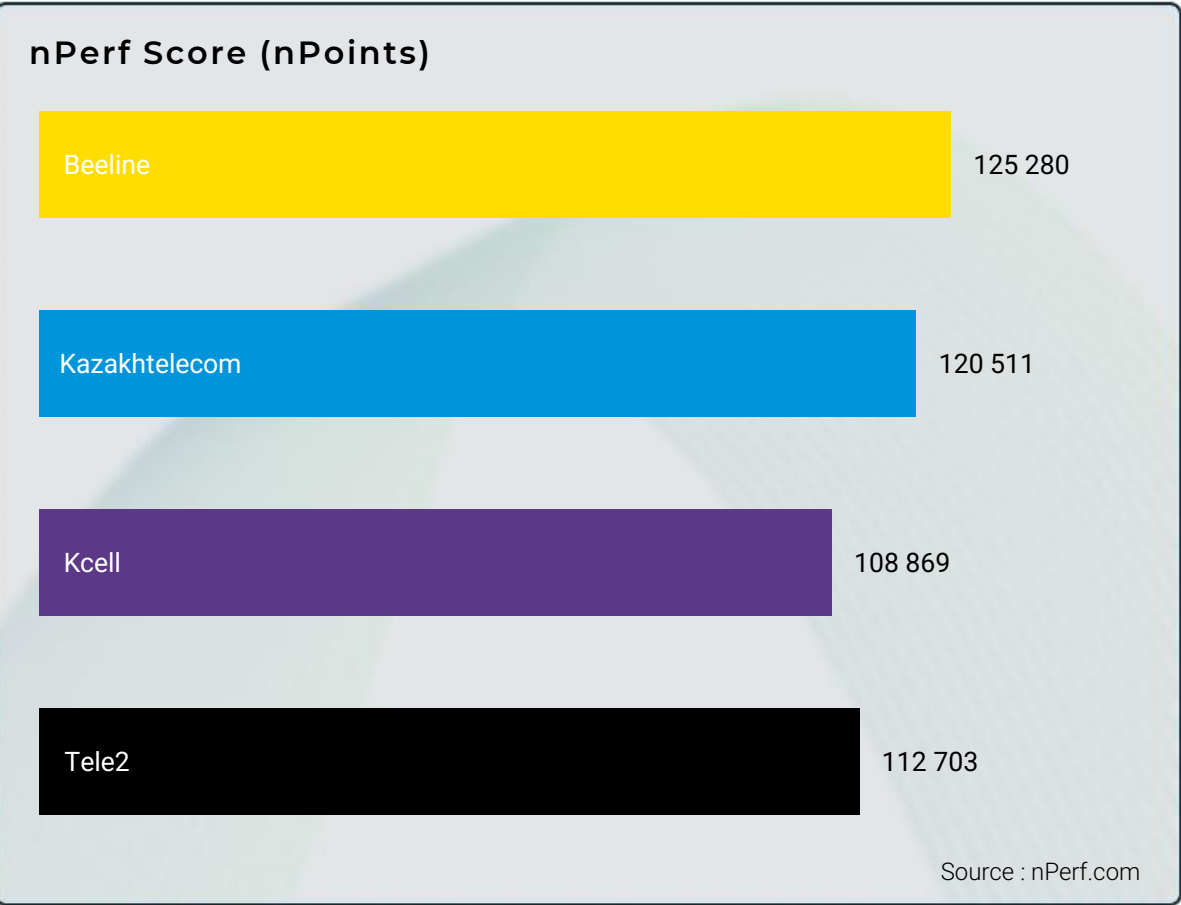


Source : nPerf.com

Latency Speed evolution over the year (average)

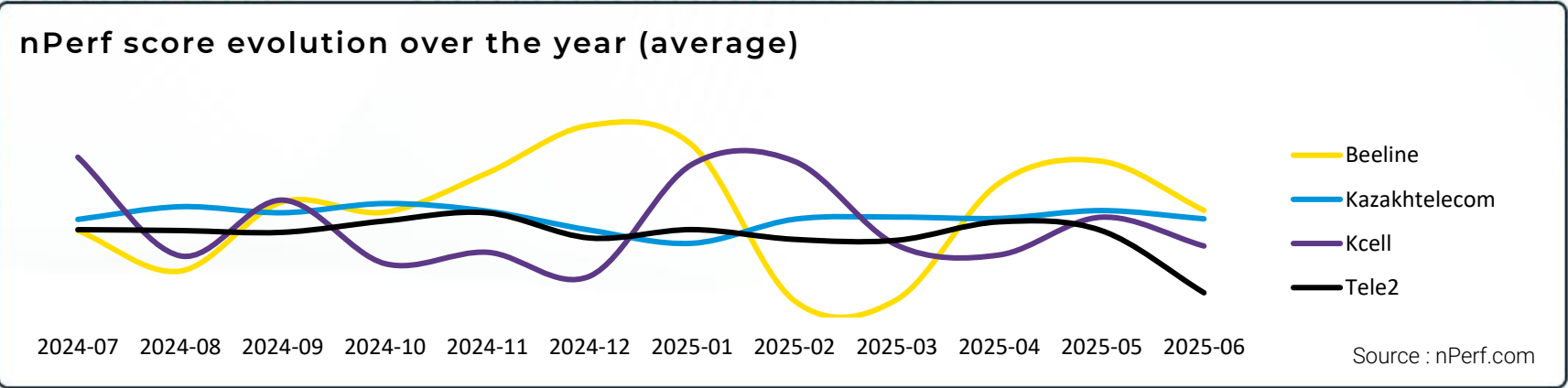


Source : nPerf.com

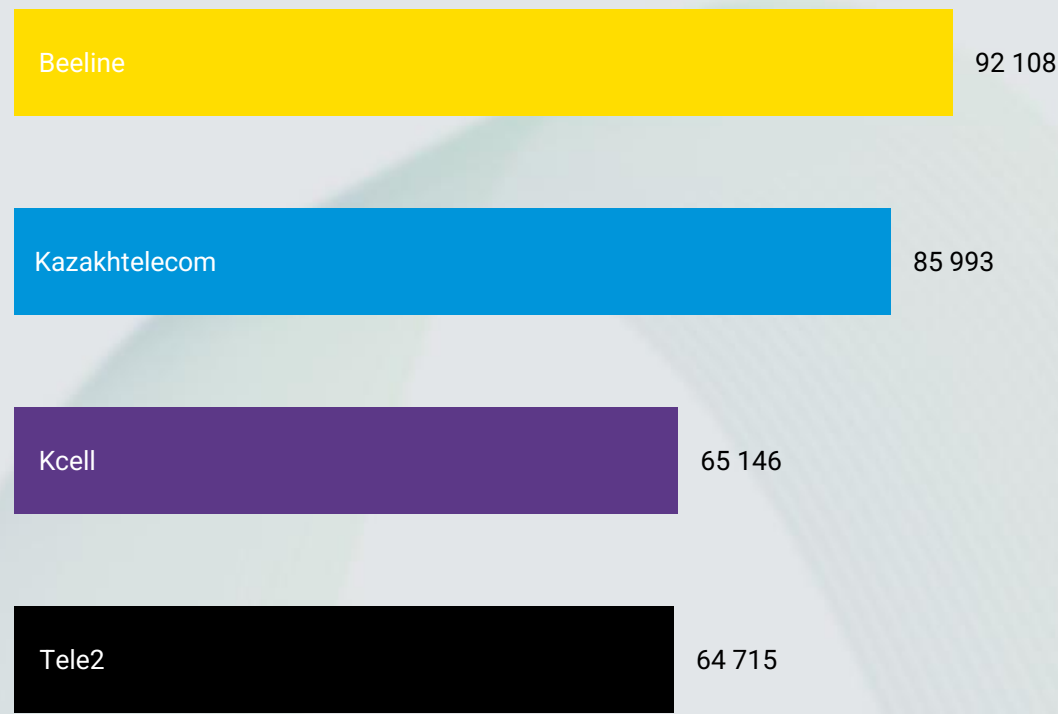


The subscribers of Beeline enjoyed the best FTTH Internet performances in 2025.

- Best performances FTTH: Beeline
 - Best web browsing performances FTTH: Beeline
 - Best video streaming performances FTTH: Kazakhtelecom
 - Fastest performances (Download) FTTH: Kcell
 - Fastest performances (Upload) FTTH: Beeline
 - FTTH connections with the lowest latency: Beeline
- Source : nPerf.com



nPerf Score (nPoints)

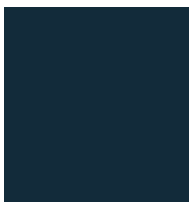
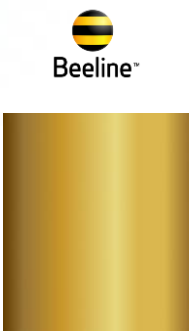


Source : nPerf.com

The subscribers of Beeline enjoyed the best WIFI Internet performances in Kazakhstan in 2025.

- Best performances WIFI: Beeline
- Best web browsing performances WIFI: Beeline
- Best video streaming performances WIFI: Beeline and Kazakhtelecom
- Fastest performances (Download) WIFI: Kazakhtelecom
- Fastest performances (Upload) WIFI: Kazakhtelecom
- WIFI connections with the lowest latency: Beeline

Source : nPerf.com



Kcell

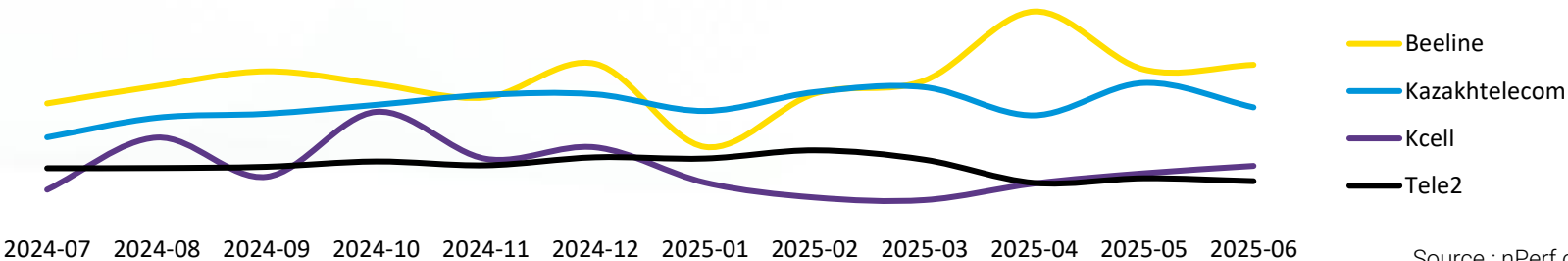


TELE2



Source : nPerf.com

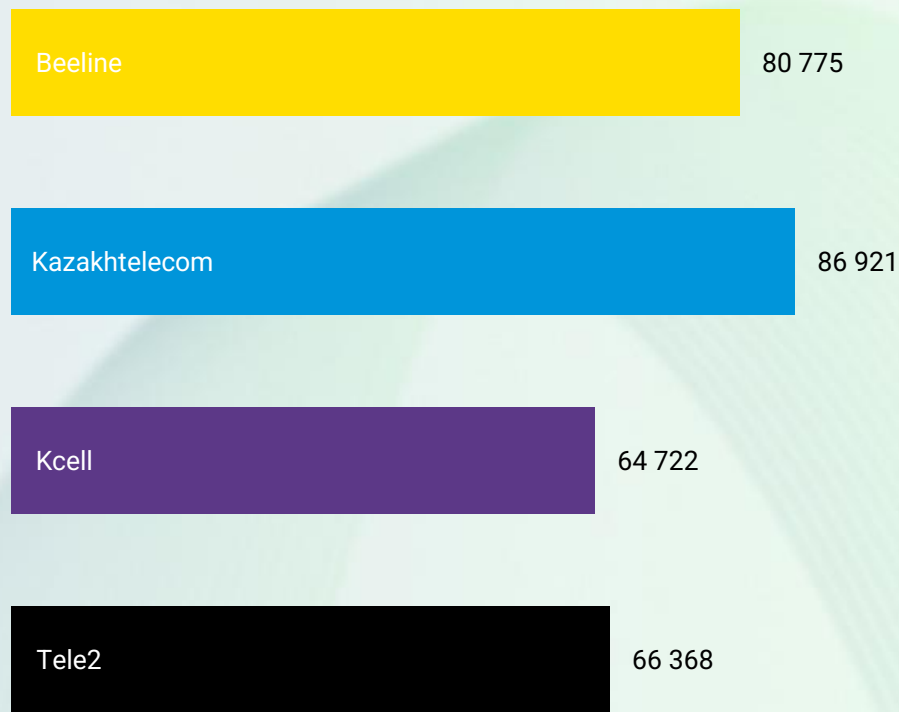
nPerf score evolution over the year (average)



Source : nPerf.com



nPerf Score (nPoints)

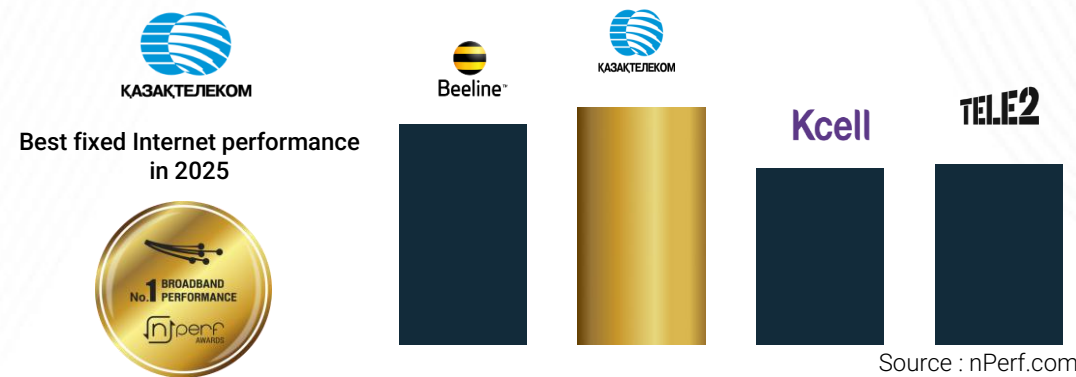


Source : nPerf.com

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

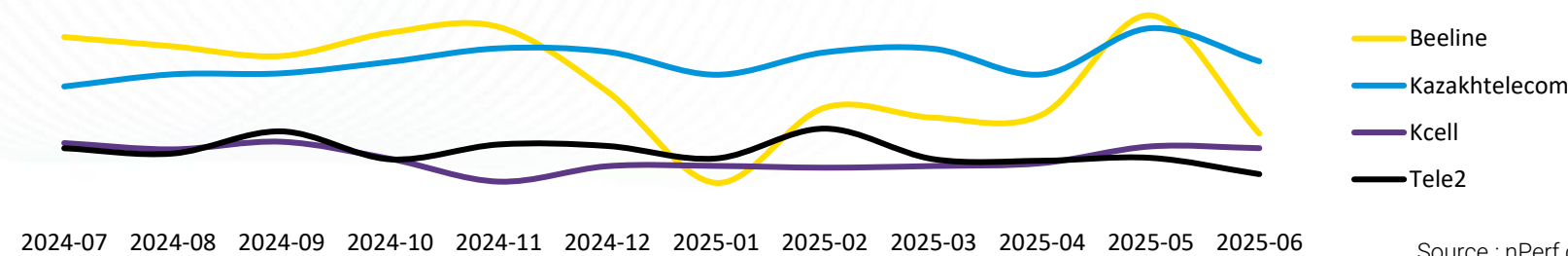
The nPerf score takes into account the measured speedss, the latency and the QoE tests.
The value of the points for the rates and the latency is calculated on a logarithmic scale, to better represent the perception of the user.
Thus, this score reflects the overall quality of the connection experienced 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 flow horizontally across the frame, creating a sense of movement and depth. These lines are set against a solid dark blue background.

inperf