

best in test

For adding something on top in Albania and reaching an overall score of 941 dots in mobile network benchmarking survey we proudly award this certificate to

Vodafone Albania

Score 941 out of 1000 in Total

Score 259 out of 270 in Voice Services

Score 456 out of 480 in Data Services

Score 226 out of 250 in Crowdsourced Quality

Hakan Ekmen

Global Networks Lead, Comms Industry





Measurement Overview

umlaut tested and measured the performance of its voice and data services on smartphones in comparison to other 5G/LTE mobile radio networks in metropolitan and rural areas of Albania.

The audit was done as a performance benchmark performed by umlaut between 15.04.2025 and 29.04.2025 in cities and towns as well as on connection roads.

Dedicated measurements have been executed as drive tests outdoors using a Samsung S24 Ultra.

All data measurements have been performed in 5G preferred mode. Voice measurements have been done in 5G/5G preferred mode on both sides, while call origin has been alternated.

In addition crowdsourced performance data has been collected and evaluated between CW46 2024 and CW17 2025.

The following pages provide a comparative overview about the performance results observed for the different tested service types.



Measurement setup

Drivetest	Voice	Data
Device	Samsung S24 Ultra	Samsung S24 Ultra
Test Cases	Mobile-to-Mobile Side1 (VoLTE, 5G pref.) to Side2 (VoLTE, 5G pref.) 105 sec call window 70 sec call duration 15 sec call setup timeout Multi-RAB traffic injection on both sides	Data 5G preferred HTTP 7s DL & HTTP 7s UL HTTPS 10MB DL & HTTPS 5MB UL Web Browsing (4 international pages, 4 local pages, 1 ETSI reference, 1 umlaut reference page) 2 YouTube videos (VOD and Live video) Interactivity eGaming & Video Chat Conversational App
Mobility and Route Types	Drive test 100% Drivetest: 62% in Cities, 20% in Towns and 18 % on Roads	
Samples	~ 4515	~ 45907
Dates	12 measurement days 15.04.2025 – 29.04.2025	
Crowd Data Assessment	24 weeks CW46 2024 – CW17 2025	

Background Information:

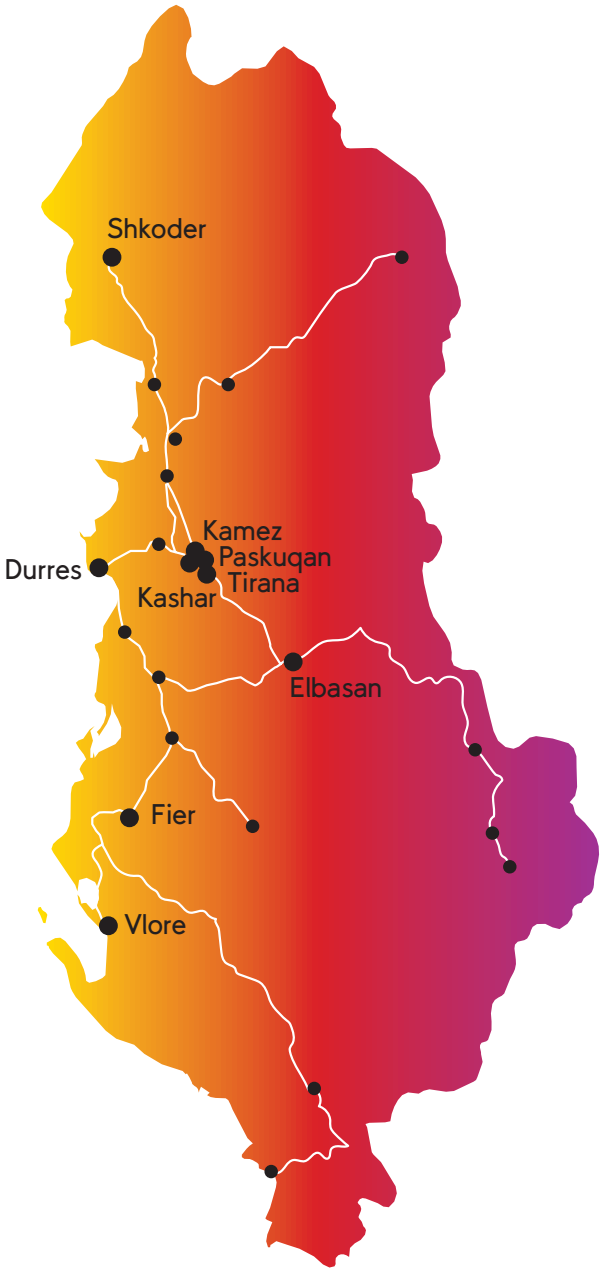
Measurements have been executed as per umlaut methodology and Samsung S24 Ultra device with the firmware release previously announced to all operators. Operators in Albania were awarded 5G licenses since November 2024. In addition to the 5G infrastructure rollout, device compatibility and firmware support is

a collaborative effort between operators and device providers. It is important to note that at the start of the announced measurement window, the only network supporting 5G in the latest available firmware for Samsung Galaxy 24 Ultra was Vodafone Albania. This supporting capability impacts results for data services . However, it does not affect the ranking presented in this report.



Testing areas

Drive route



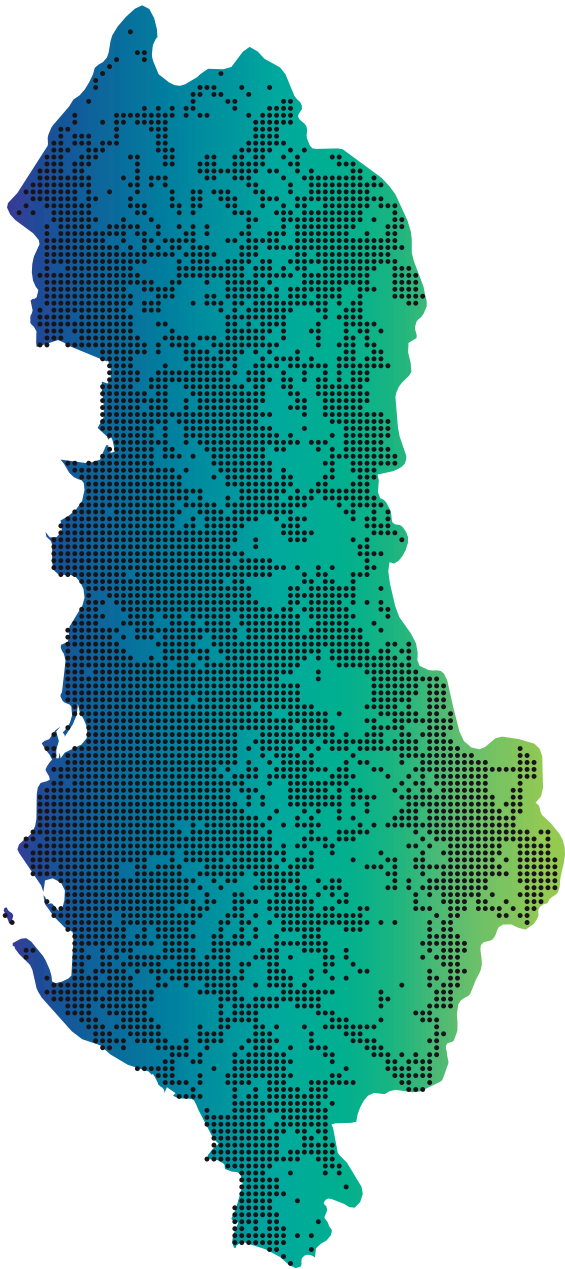
~45 %
of population measured



~4500 km
measuring distance



Crowdsourcing based test area



91.2 %
of the 'built-up area' covered



98.3 %
of the 'Population area' covered



19,223 km²
size of tested area



Claims





Best in Reliability
Vodafone Albania



Best in test
Vodafone Albania



Best in voice
Vodafone Albania



Best in crowd-sourced quality
Vodafone Albania



Methodology

The leader in mobile benchmarking, umlaut, has analyzed the mobile networks of Albania with regards to mobile network performance. We measure smartphone voice and data performance based on extensive drivetests – from major metropolitan areas to smaller cities and connection roads.

We objectively define the routes and test methodology and publish the results through certificates or public benchmark reports. In addition crowdsourced performance data has been collected and evaluated.

As the de-facto industry standard, our benchmarking methodology focuses on customer-experienced network quality and covers a wide range of mobile services.

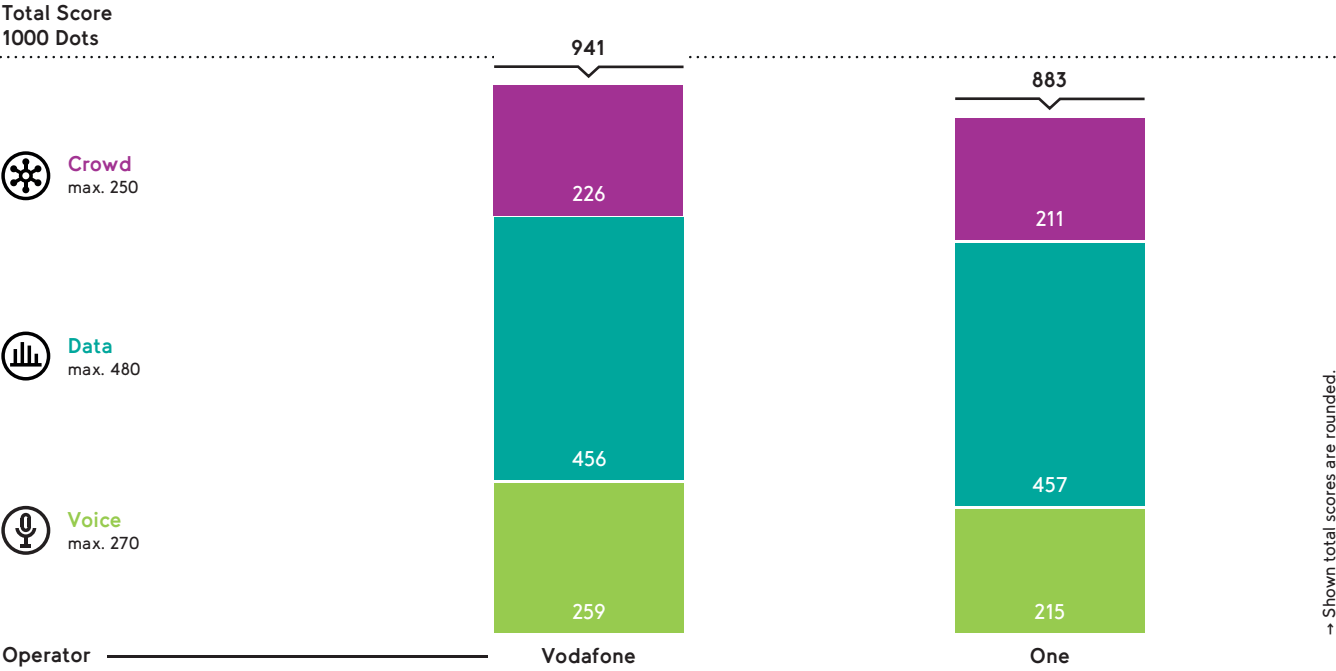
Today, more than 200 mobile networks in more than 120 countries are being evaluated by our unique scoring methodology.

It allows a technical analysis that is unprecedented in its level of detail and enables comparisons between the network performance and capability of each mobile network. Our public benchmarks as well as the certificate benchmarks help network operators to demonstrate how well they are delivering wireless connections to consumers, business users and enterprises and reveals the areas of improvement.



Score and breakdown

Vodafone achieved the highest overall score among competitors with 941 dots out of 1000.



Overall score considering Voice, Data and Crowdsourcing.



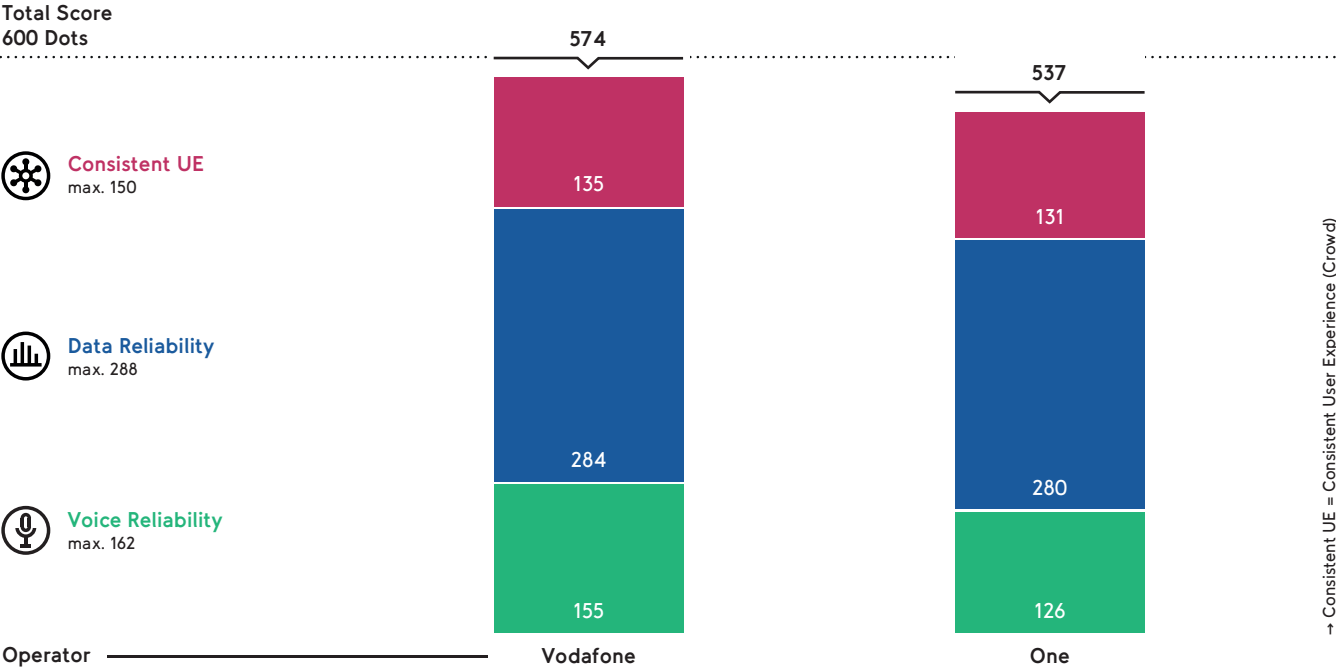
Total score

		Vodafone	One
Voice	max. 270	259	215
Cities Drivetest	162	96%	80%
Towns Drivetest	54	97%	79%
Roads Drivetest	54	96%	78%
Data	max. 480	456	457
Cities Drivetest	288	96%	95%
Towns Drivetest	96	94%	94%
Roads Drivetest	96	94%	96%
Crowdsourced Quality	max. 250	226	211
Broadband Coverage	100	93%	88%
Download Speed	55	90%	86%
Upload Speed	20	91%	92%
Latency	50	83%	85%
Voice	10	94%	7%
Stability	15	94%	95%
Total	1000	941	883

Shown scores are rounded.



Reliability



Reliability score considering Voice Reliability, Data Reliability and Consistent UE.



Total score

	Service Group	max	Vodafone	One
Reliability	Voice Reliability	162	96%	77%
	Data Reliability	288	99%	97%
	Consistent User Experience	150	90%	88%

Score achievement in school grades:
outstanding (≥ 95%), very good (≥ 85% and < 95%), good (≥ 75% and ≤ 85%), satisfactory (≤ 65% and < 75%), sufficient (≤ 55% and < 65%).



umlaut

umlaut communications GmbH

Am Kraftversorgungsturm 3 · 52070 Aachen · Germany

www.umlaut.com/benchmarking