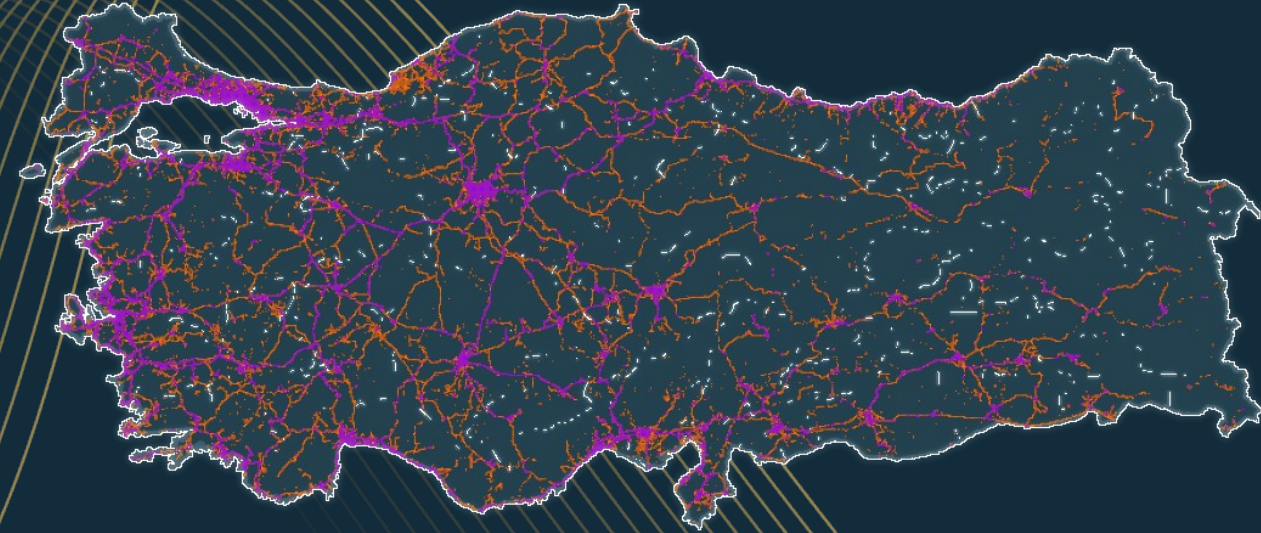




Barometer of mobile coverage in Turkey

4G/5G

09/01/2025 - 08/31/2026



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1. Introducing nPerf



An independent authority in network performance

nPerf is an independent French Internet performance measurement platform, powered by real user experience. By turning millions of individual measurements into connectivity insights, nPerf helps operators enhance their networks and contributes to building a faster, more reliable Internet for everyone.

 **300k+** tests daily worldwide.

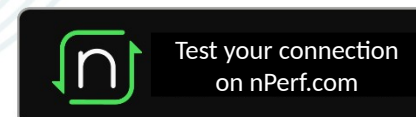
 **26Md+** coverage scans in total.

 **3k+** servers all around the world.

A comprehensive suite of tools to measure real-world connectivity

nPerf provides a complete ecosystem of complete measurement tools designed to capture the true quality of fixed, mobile, and Wi-Fi connections with precision, reaching speeds of up to 10 Gbps.

Users test. Operators learn. Everyone benefits.



2. Methodology (1/2) — Measuring coverage in the field



A field study, not a simulation

Mobile operators publish coverage maps computed from radio-propagation models. This barometer contains no modelling: every figure comes from measurements recorded in the field by real users, in real conditions of use — outdoors, indoors, in a car or on a train. It complements the operators' theoretical maps; it does not replace them.

A crowdsourced panel

Measurements are collected by the nPerf mobile application, on Android only: Apple does not open the signal-strength APIs to developers. The application records the signal level reported by the handset every time the device's position is requested by the operating system or by another installed application — maps, navigation, games — and throughout the active mapping sessions users can start themselves. Each record is time-stamped and geolocated to within 20 metres. Anyone can join the panel simply by installing the nPerf app.

Which measurements are kept

- Each measurement is attributed to the network that actually serves the handset, identified by its MCC/MNC codes.
- Measurements reporting no signal at all are kept — the absence of coverage is a result in its own right.
- A country is published only when the volume of measurements and the share of its inhabited territory actually surveyed are sufficient.

Which ISPs are kept

- Only ISPs operating their own network are included; MVNOs are excluded.
- An ISP is published only when its share of measurements is sufficient to be reliably represented in this report.

2. Methodology (2/2) — From measurements to a coverage rate



A grid of parcels

The territory is divided into a regular grid. Each parcel is roughly 400 to 600 m on a side depending on latitude — about 425 m at the latitude of France. A parcel is taken into account for an operator as soon as one of that operator's users has recorded at least one measurement inside it, with or without signal.

Each operator is measured on its own customers' data

This is the cornerstone of the method: an operator's coverage rate is computed from **the measurements collected by its own subscribers, not from those of all operators combined**. The reference perimeter — the denominator of the rate — is therefore specific to each operator: it consists of the parcels its own customers actually visited. Every operator is assessed precisely where its own customer base lives, works and travels.

Technologies are nested

A parcel counts as covered by a technology as soon as at least one measurement of that technology — or of a higher generation — was recorded in it. **3G coverage** is therefore the area where at least 3G is available, **4G coverage** the area where at least 4G is available, and **5G coverage** the area where 5G is available.

Three indicators

- **Geographical Coverage** — the share of the operator's reference parcels in which the technology was recorded. Every parcel carries the same weight, whatever its population.
- **In mobility Pop. Coverage** — the same parcels, each weighted by the number of distinct nPerf devices observed in it. The weighting reflects where users actually are, rather than the number of inhabitants declared per municipality: busy roads and city centres therefore weigh more than sparsely travelled areas.
- **nPerf Coverage Score** — the average of the two indicators above, in equal parts. The higher the score, the better the coverage.

Regional results

Regional figures follow exactly the same method, restricted to the parcels located inside each region's official administrative boundaries.

Reading the 5G figures

All the frequency bands used by each operator are taken into account. Low bands (700 MHz) reach further than mid (2,100 MHz) and high (3,500 MHz) bands but deliver lower speeds: coverage figures should be read alongside the speed results of the nPerf mobile barometer.

3. Executive Summary 4G



The subscribers of Vodafone enjoyed the best 4G coverage in 2026 in Turkey.

Mobile coverage rate in Turkey			
	Turkcell	Türk Telekom	<u>Vodafone</u>
Geographical Coverage Rate	92.27	90.42	94.81
Population Coverage Rate	97.84	96.90	98.50
nPerf Coverage Score	95.05	93.66	96.65

Source : nPerf.com



Best Mobile coverage in Turkey



Source : nPerf.com

nPerf Podium



Source : nPerf.com

4. National 4G coverage maps

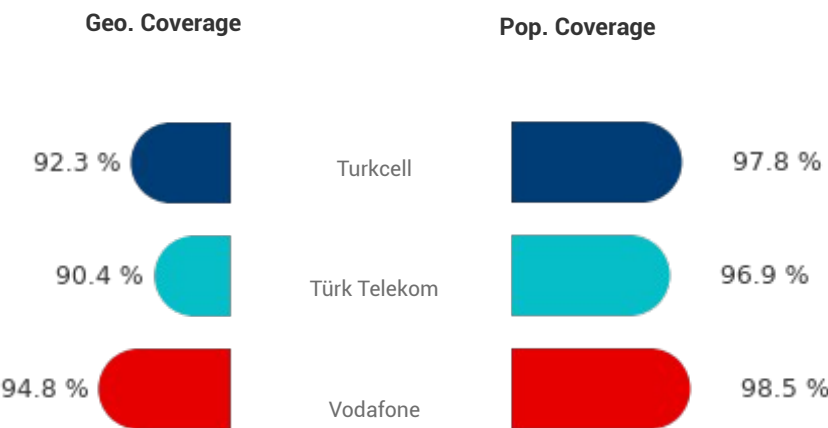


nPerf Coverage Score



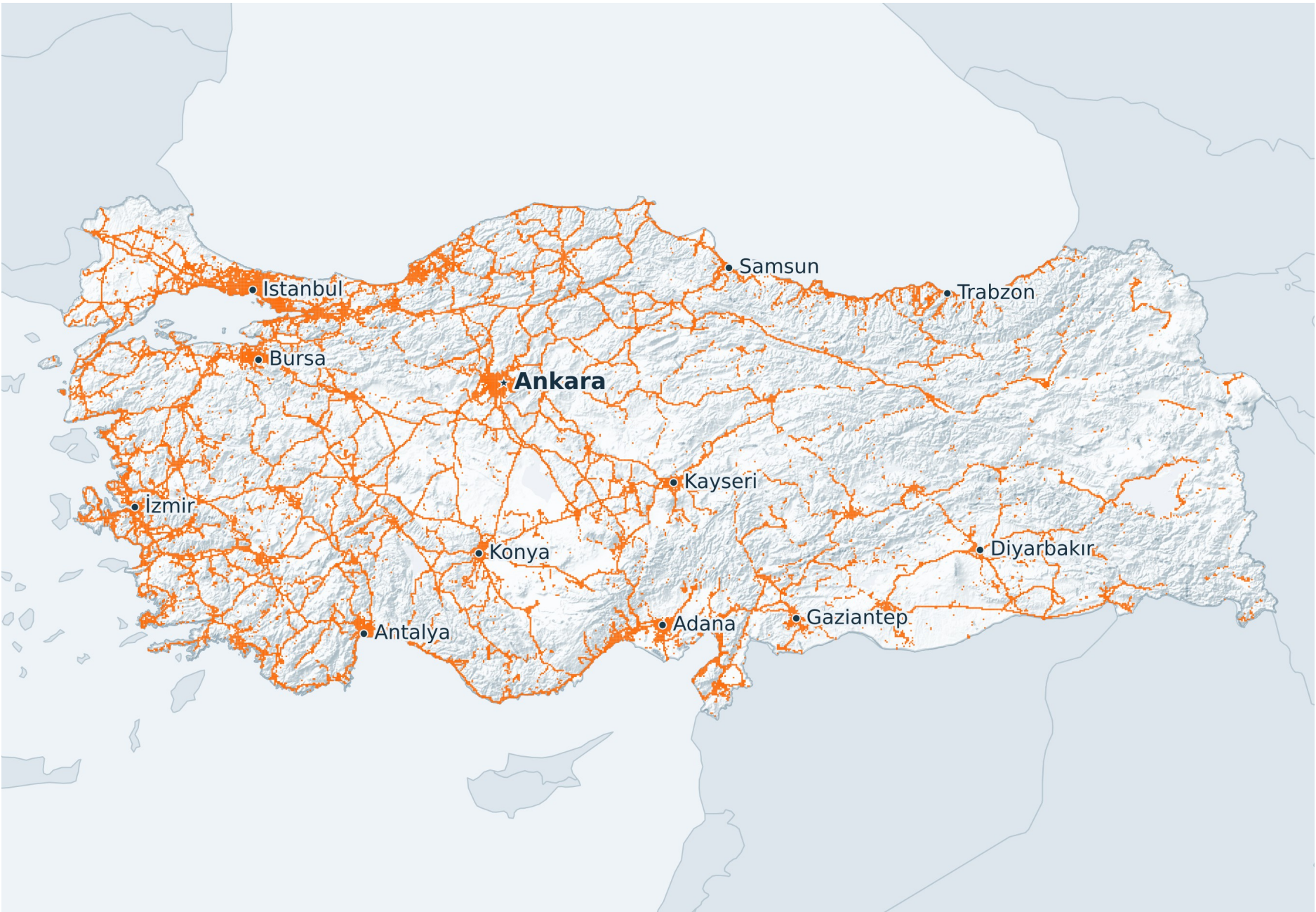
Source : nPerf.com

Coverage Indicators



Source : nPerf.com

National Coverage



National 4G coverage maps for Turkcell



Turkcell

Geographical Coverage Rate (%)	92.27
Population Coverage Rate (%)	97.84
nPerf Coverage Score (%)	95.05



Türk Telekom

Geographical Coverage Rate (%) 90.42

Population Coverage Rate (%) 96.90

nPerf Coverage Score (%) 93.66



National 4G coverage maps for Vodafone

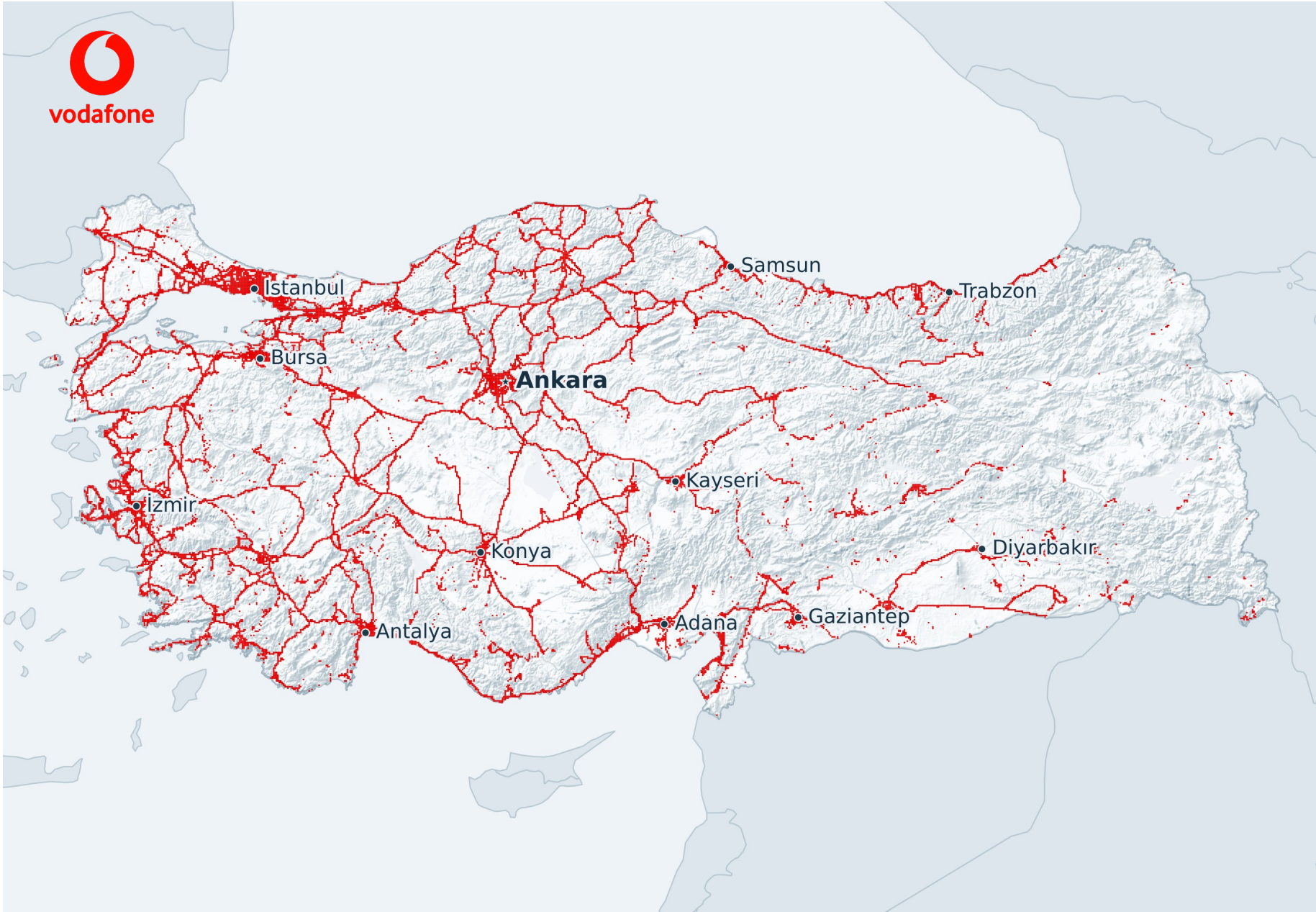


Vodafone

Geographical Coverage Rate (%) 94.81

Population Coverage Rate (%) 98.50

nPerf Coverage Score (%) 96.65



5. Executive Summary 5G



The subscribers of Vodafone enjoyed the best 5G coverage in 2026 in Turkey.

Mobile coverage rate in Turkey			
	Turkcell	Türk Telekom	<u>Vodafone</u>
Geographical Coverage Rate	41.29	28.96	42.48
Population Coverage Rate	64.88	47.86	65.92
nPerf Coverage Score	53.09	38.41	54.20

Source : nPerf.com


vodafone

Best Mobile coverage in Turkey



Source : nPerf.com

nPerf Podium



Source : nPerf.com

6. National 5G coverage maps

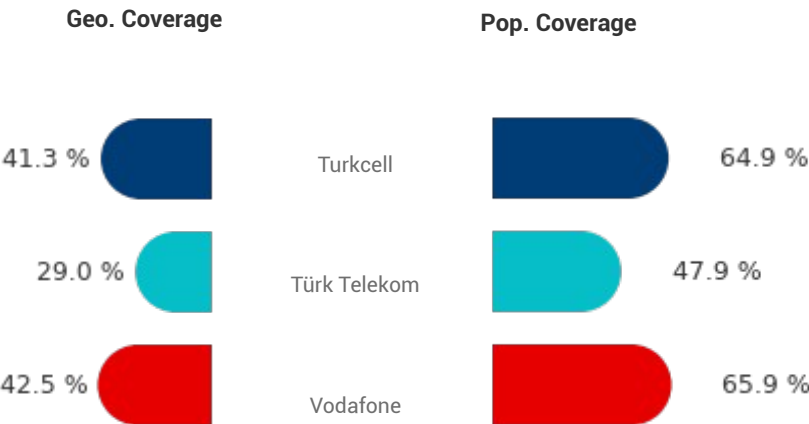


nPerf Coverage Score



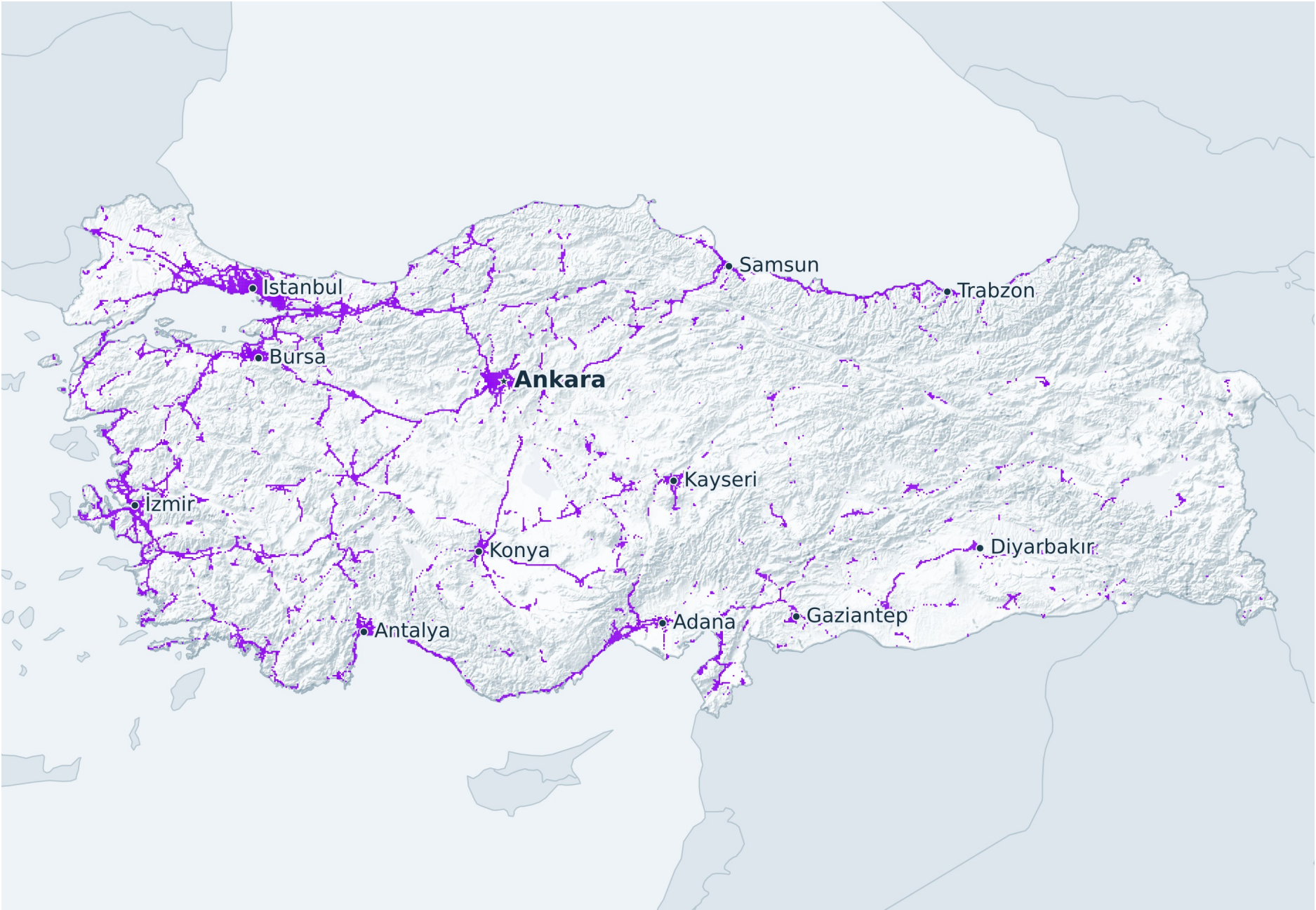
Source : nPerf.com

Coverage Indicators



Source : nPerf.com

National Coverage



National 5G coverage maps for Turkcell



Turkcell

Geographical Coverage Rate (%) 41.29

Population Coverage Rate (%) 64.88

nPerf Coverage Score (%) 53.09



National 5G coverage maps for Türk Telekom



Türk Telekom

Geographical Coverage Rate (%) 28.96

Population Coverage Rate (%) 47.86

nPerf Coverage Score (%) 38.41



National 5G coverage maps for Vodafone

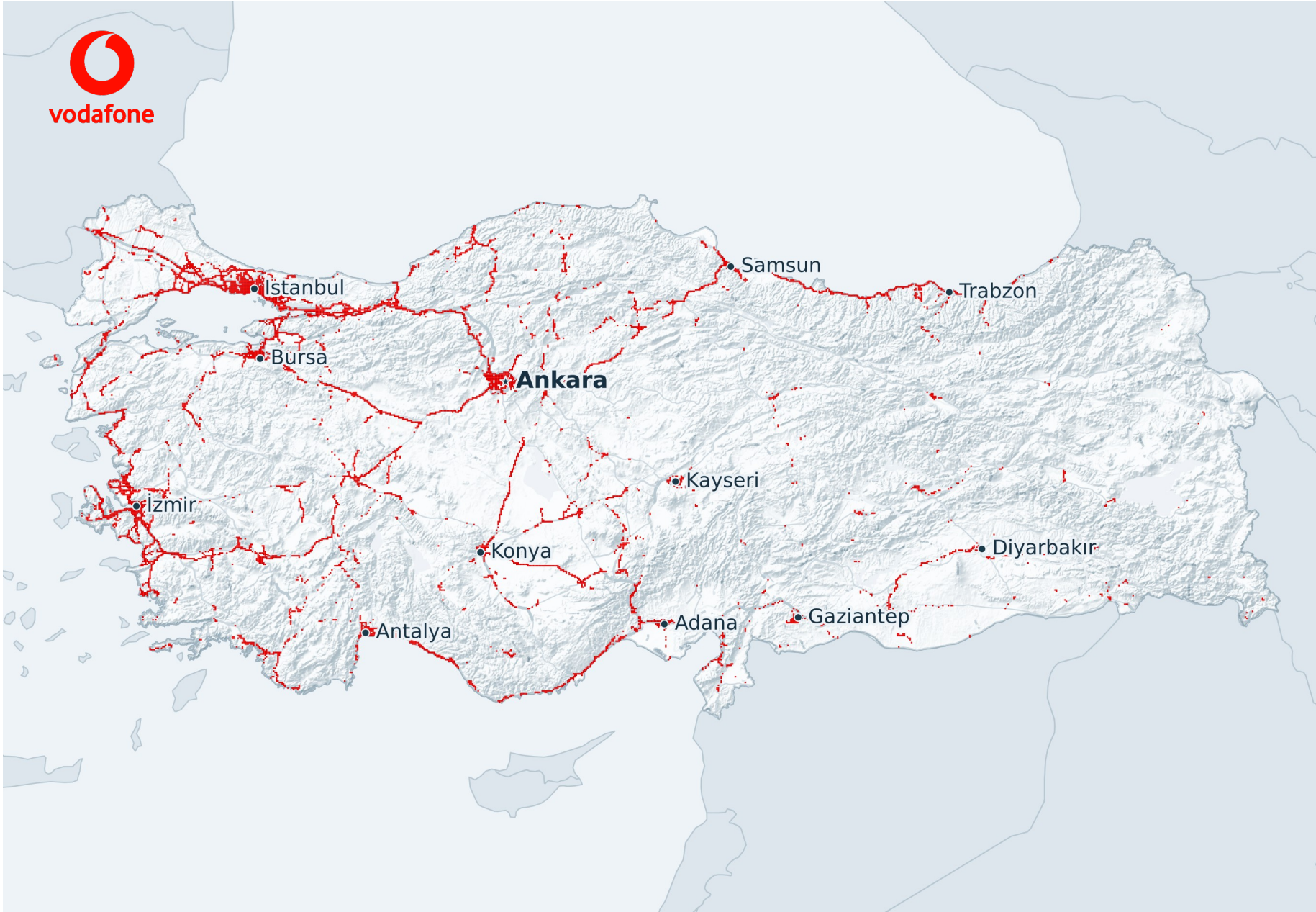


Vodafone

Geographical Coverage Rate (%) 42.48

Population Coverage Rate (%) 65.92

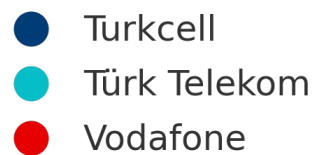
nPerf Coverage Score (%) 54.20



7. Regional 4G coverage: Methodology



Regions	Measurements	Device count	Measurements per operator		
Marmara	6 651 334	168 421	42%	32%	26%
Aegean	3 709 888	78 561	43%	33%	25%
Central Anatolia	2 896 734	88 392	38%	27%	34%
Mediterranean	1 778 112	46 619	44%	29%	27%
Black Sea	1 689 587	46 235	48%	33%	20%
Southeastern Anatolia	503 791	16 032	33%	41%	26%
Eastern Anatolia	341 711	8 054	26%	36%	38%



Regional 4G coverage



nPerf Coverage Score

Aegean

95.8 %

Black Sea

92.7 %

Central Anatolia

94.6 %

Eastern Anatolia

90.6 %

Marmara

97.2 %

Mediterranean

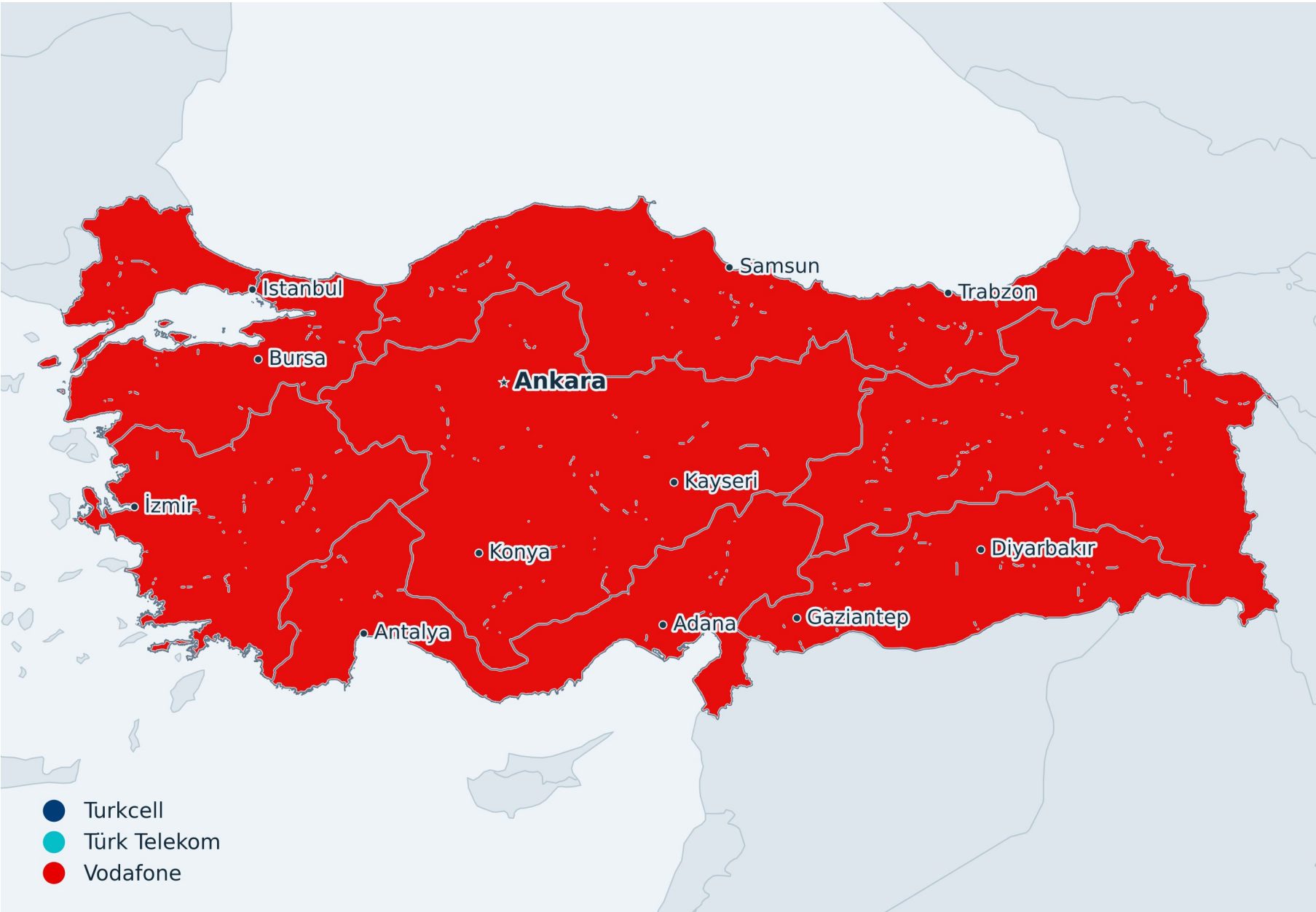
94.4 %

Southeastern Anatolia

91.8 %

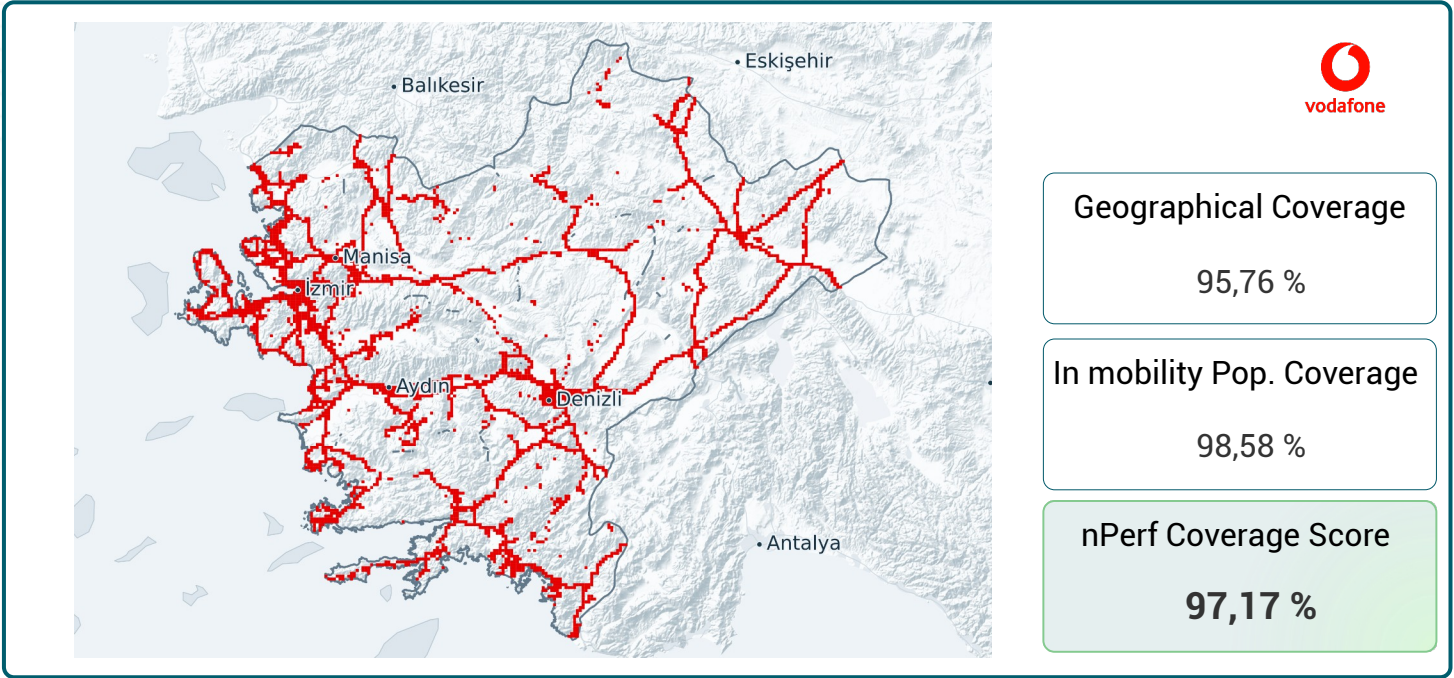
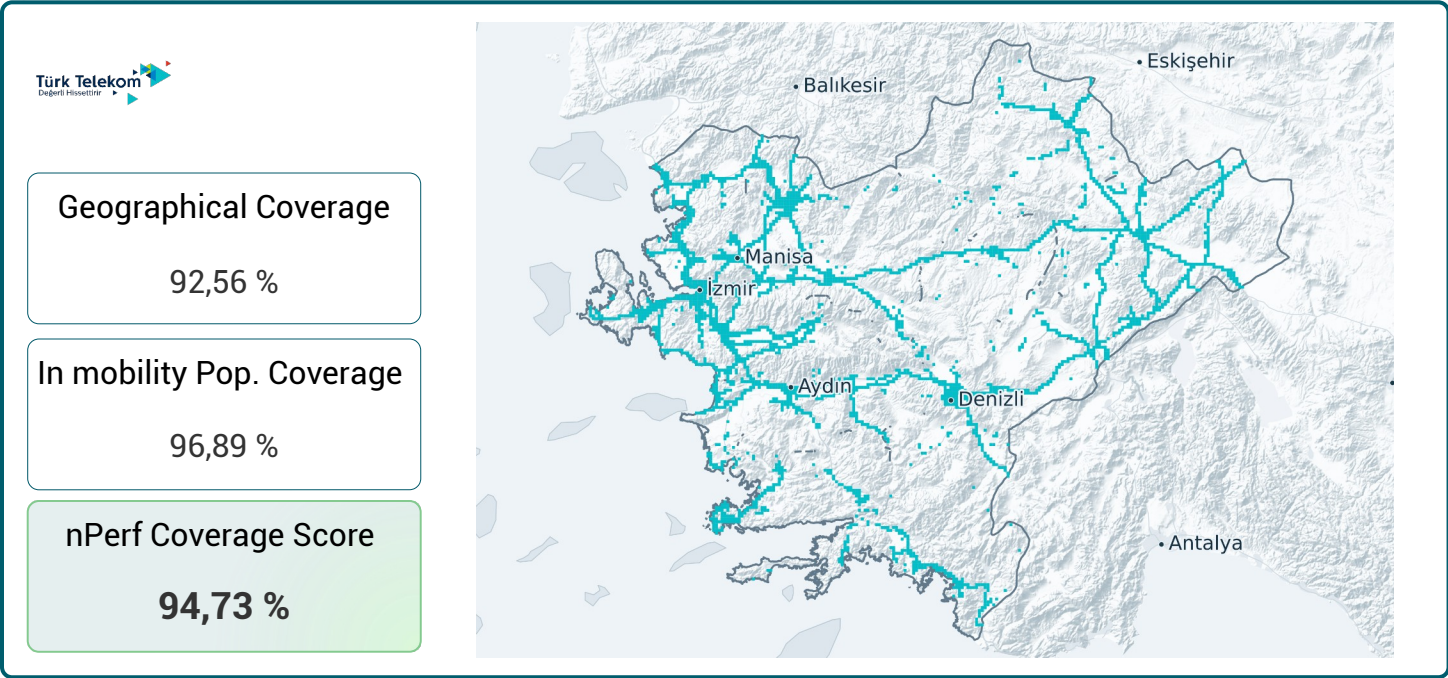
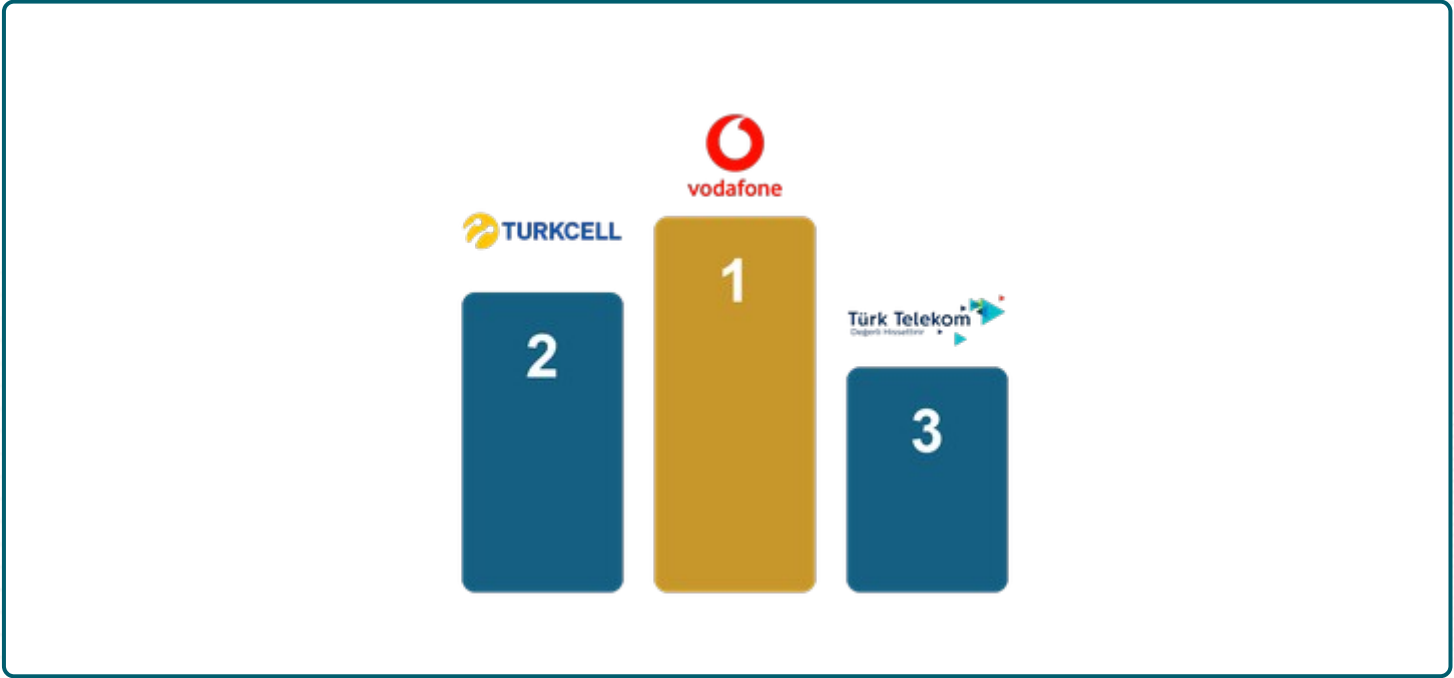
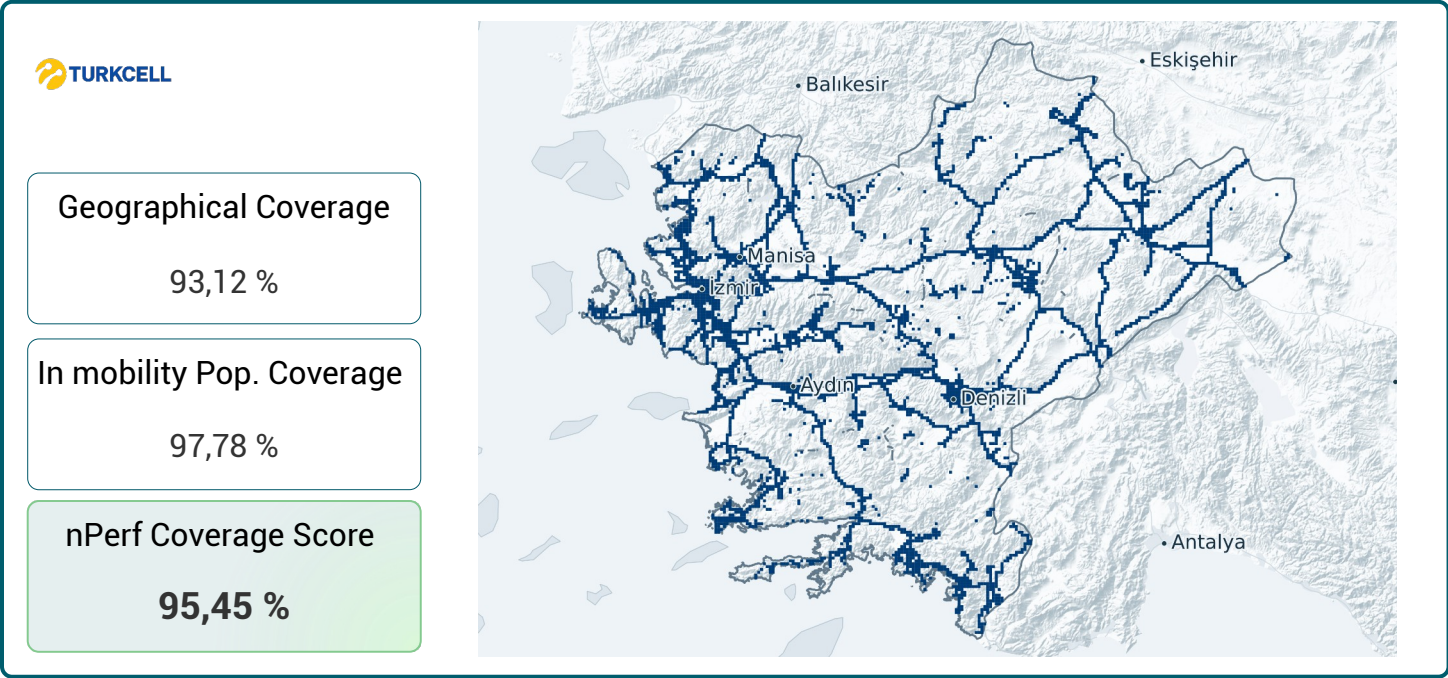
Source : nPerf.com

Regional Winner



Source : nPerf.com

4G coverage — Aegean



4G coverage — Black Sea



Geographical Coverage

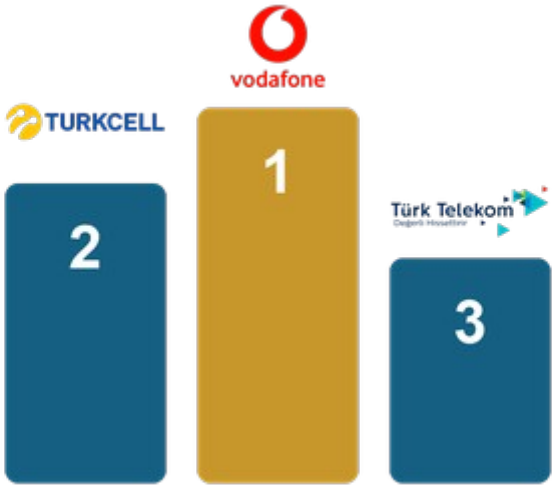
89,98 %

In mobility Pop. Coverage

96,81 %

nPerf Coverage Score

93,39 %



Geographical Coverage

85,06 %

In mobility Pop. Coverage

94,74 %

nPerf Coverage Score

89,90 %



Geographical Coverage

92,96 %

In mobility Pop. Coverage

96,84 %

nPerf Coverage Score

94,90 %



4G coverage — Central Anatolia



Geographical Coverage

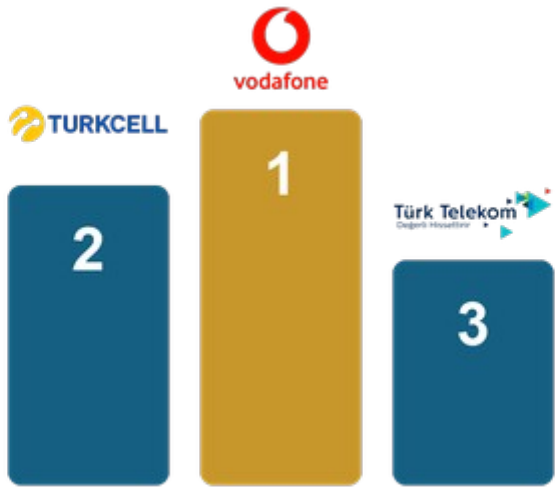
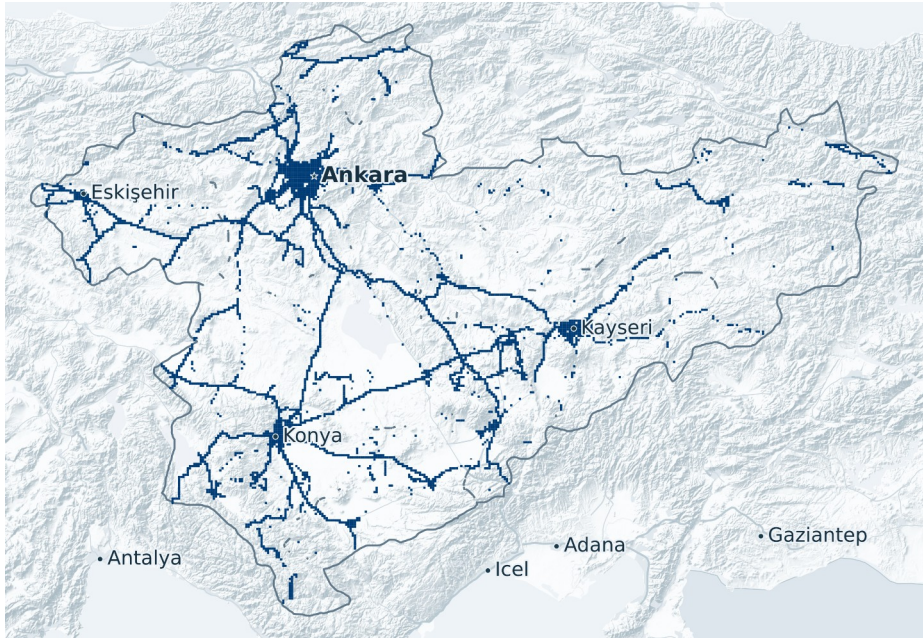
91,99 %

In mobility Pop. Coverage

97,42 %

nPerf Coverage Score

94,71 %



Geographical Coverage

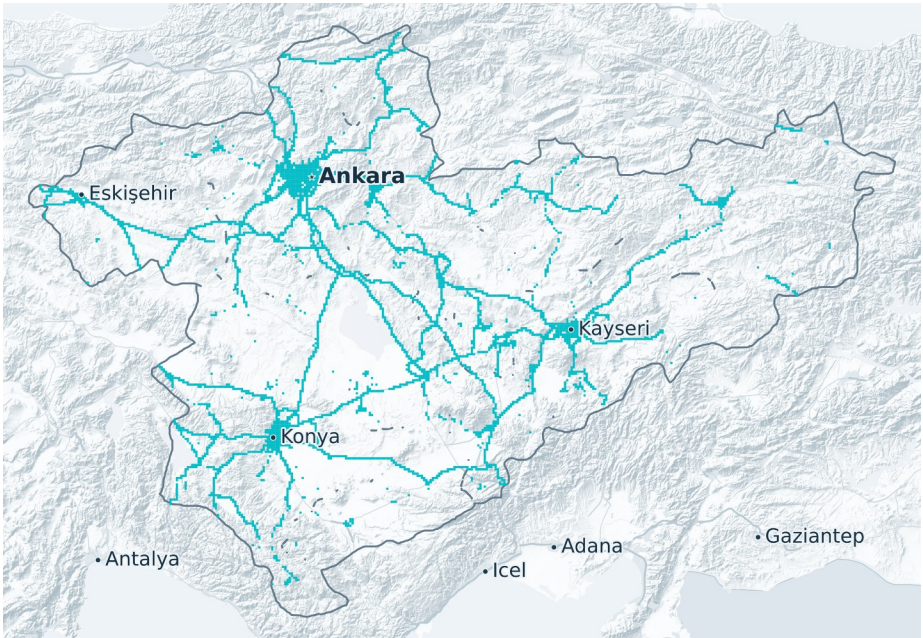
89,42 %

In mobility Pop. Coverage

95,83 %

nPerf Coverage Score

92,62 %



Geographical Coverage

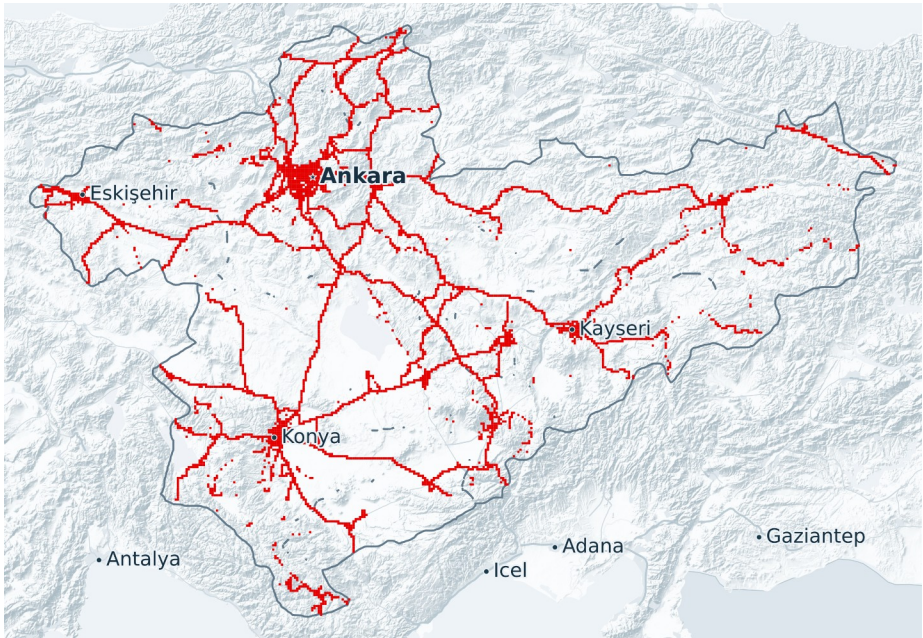
94,63 %

In mobility Pop. Coverage

98,55 %

nPerf Coverage Score

96,59 %



4G coverage — Eastern Anatolia



Geographical Coverage

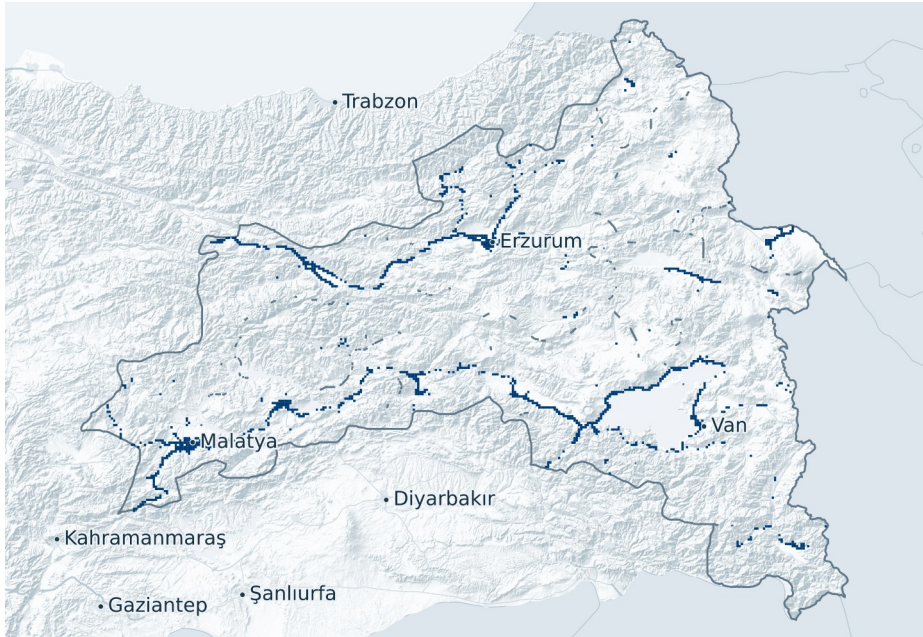
86,09 %

In mobility Pop. Coverage

91,15 %

nPerf Coverage Score

88,62 %



Geographical Coverage

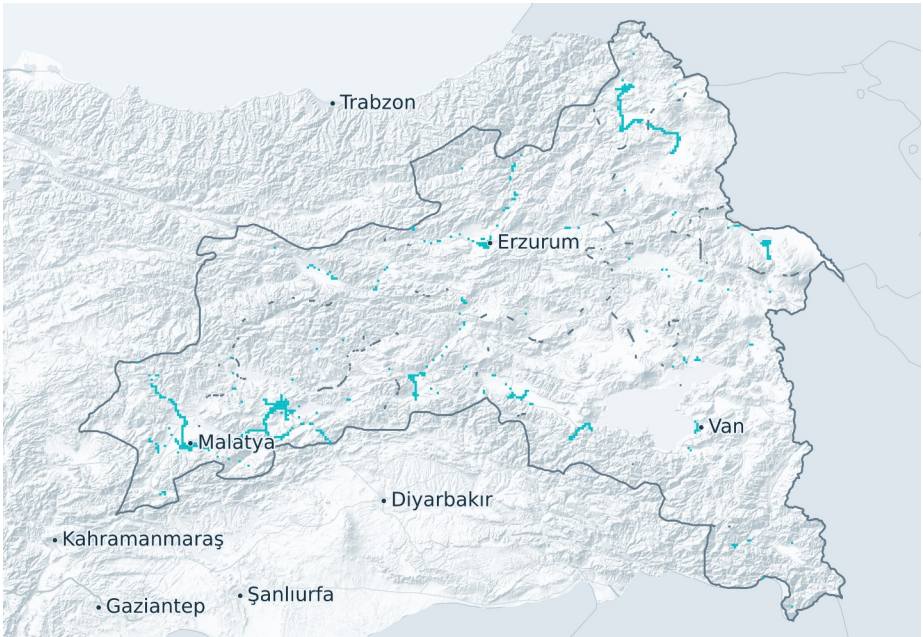
86,86 %

In mobility Pop. Coverage

94,44 %

nPerf Coverage Score

90,65 %



Geographical Coverage

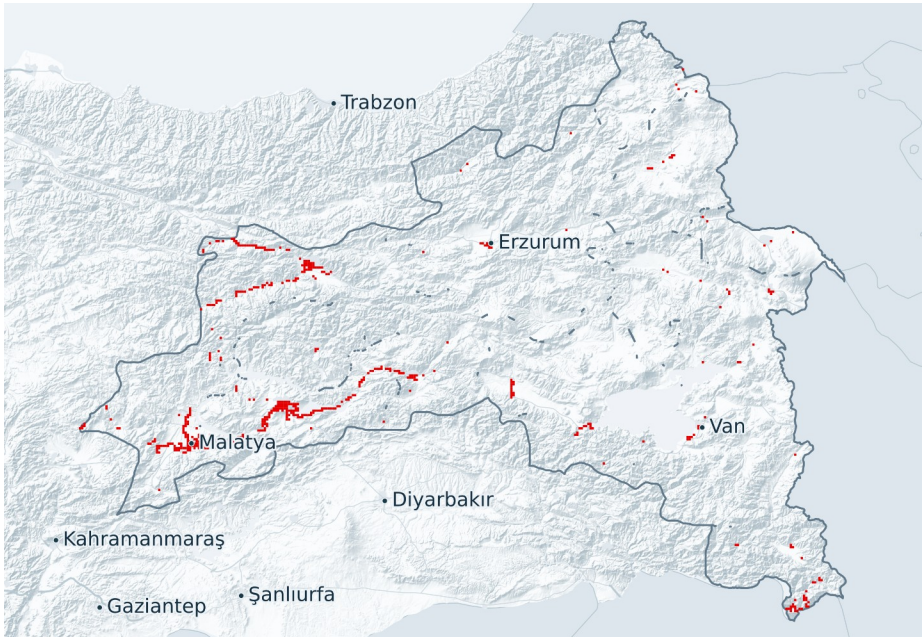
89,40 %

In mobility Pop. Coverage

95,76 %

nPerf Coverage Score

92,58 %



4G coverage — Marmara



Geographical Coverage

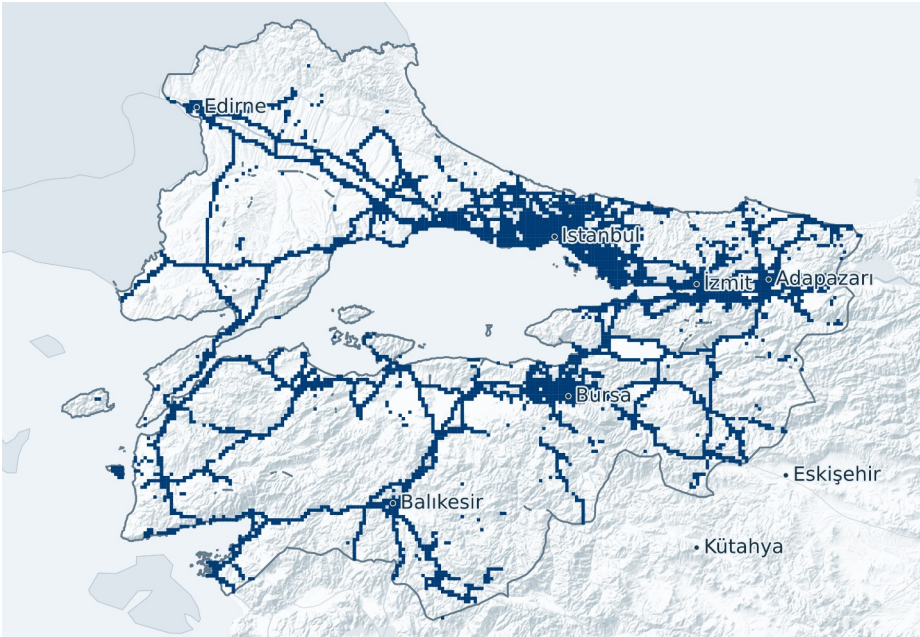
94,22 %

In mobility Pop. Coverage

99,07 %

nPerf Coverage Score

96,65 %



Geographical Coverage

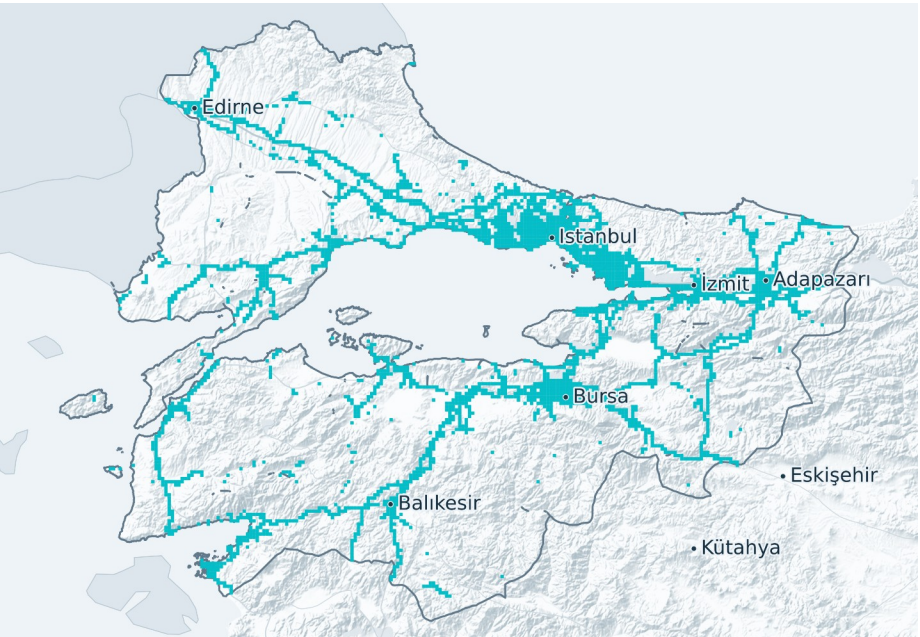
94,90 %

In mobility Pop. Coverage

99,10 %

nPerf Coverage Score

97,00 %



Geographical Coverage

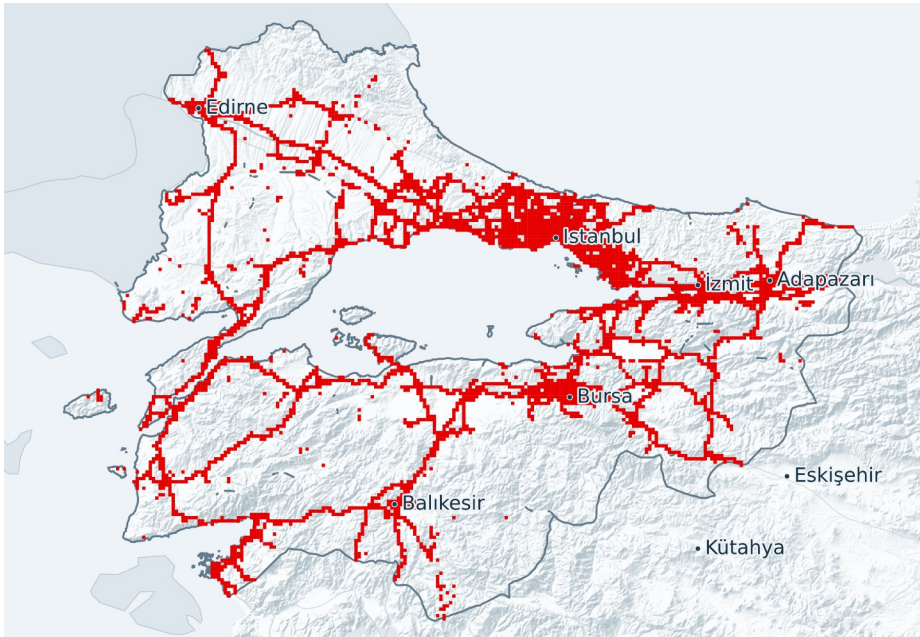
96,67 %

In mobility Pop. Coverage

99,47 %

nPerf Coverage Score

98,07 %



4G coverage — Mediterranean



Geographical Coverage

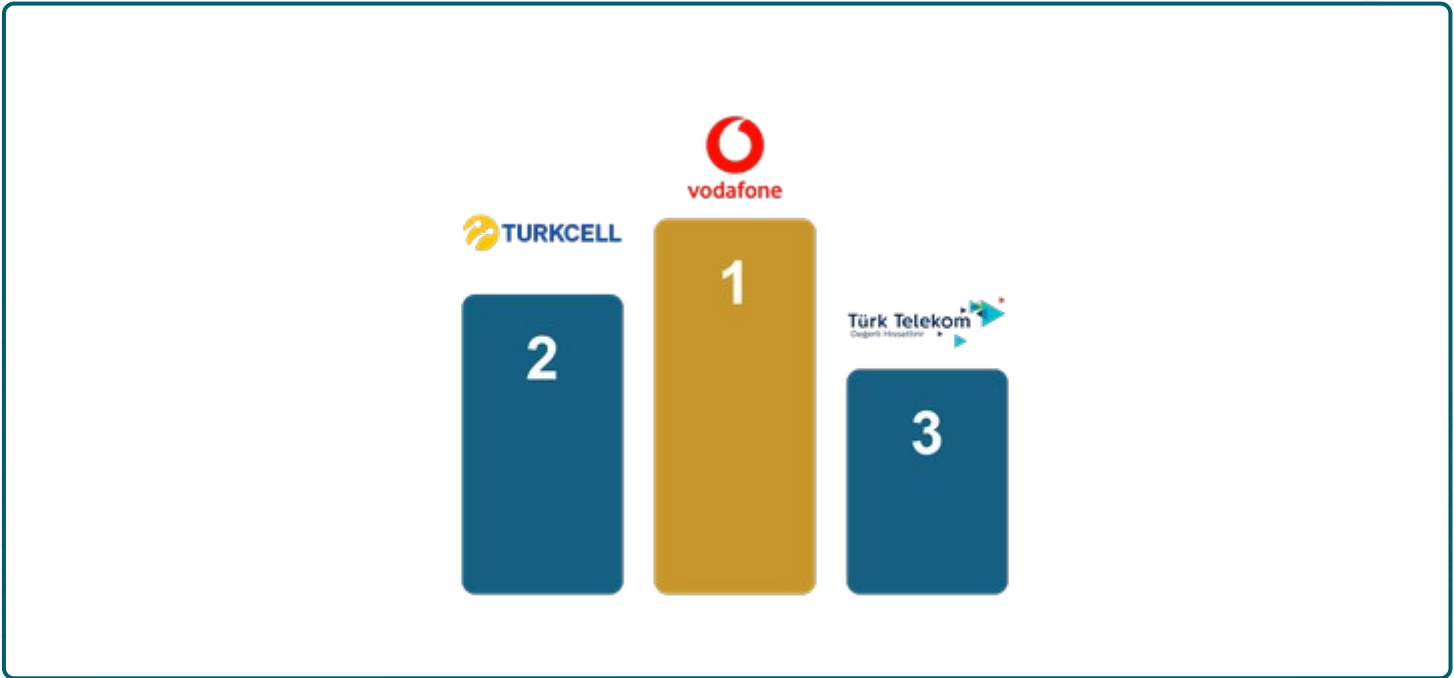
93,12 %

In mobility Pop. Coverage

97,24 %

nPerf Coverage Score

95,18 %



Geographical Coverage

89,72 %

In mobility Pop. Coverage

95,30 %

nPerf Coverage Score

92,51 %

Geographical Coverage

93,65 %

In mobility Pop. Coverage

97,28 %

nPerf Coverage Score

95,46 %

4G coverage — Southeastern Anatolia



Geographical Coverage

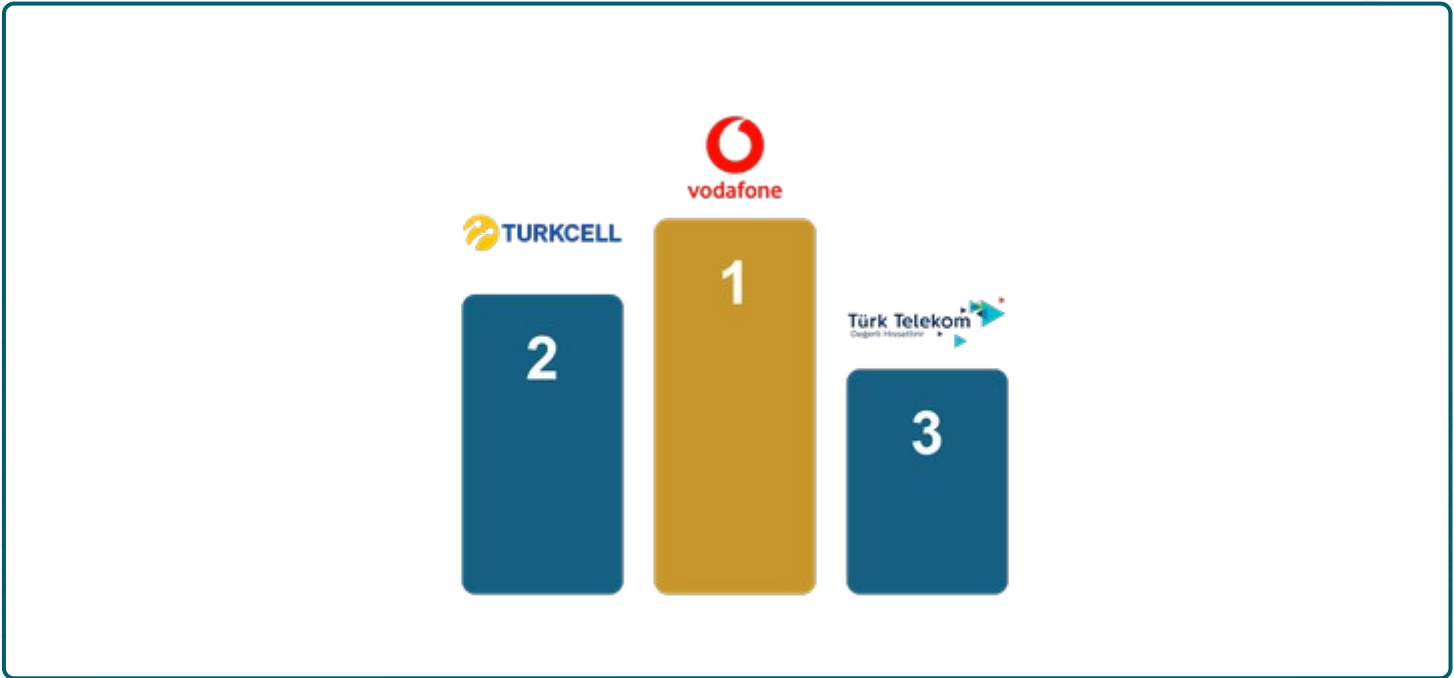
89,99 %

In mobility Pop. Coverage

93,93 %

nPerf Coverage Score

91,96 %



Geographical Coverage

86,76 %

In mobility Pop. Coverage

90,01 %

nPerf Coverage Score

88,38 %

Geographical Coverage

94,02 %

In mobility Pop. Coverage

96,08 %

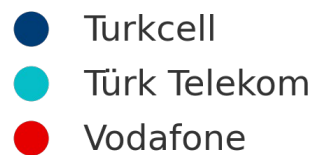
nPerf Coverage Score

95,05 %

8. Regional 5G coverage: Methodology



Regions	Measurements	Device count	Measurements per operator
Marmara	1 241 773	55 877	45% 32% 23%
Aegean	622 543	24 189	27% 49% 24%
Central Anatolia	416 704	22 085	40% 33% 27%
Mediterranean	294 597	13 203	60% 25% 15%
Black Sea	198 013	10 175	31% 57% 12%
Southeastern Anatolia	64 398	3 779	32% 37% 32%
Eastern Anatolia	42 324	1 797	31% 42% 26%



Regional 5G coverage



nPerf Coverage Score

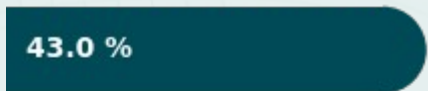
Aegean



Black Sea



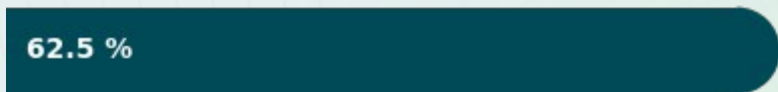
Central Anatolia



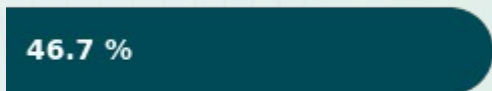
Eastern Anatolia



Marmara



Mediterranean

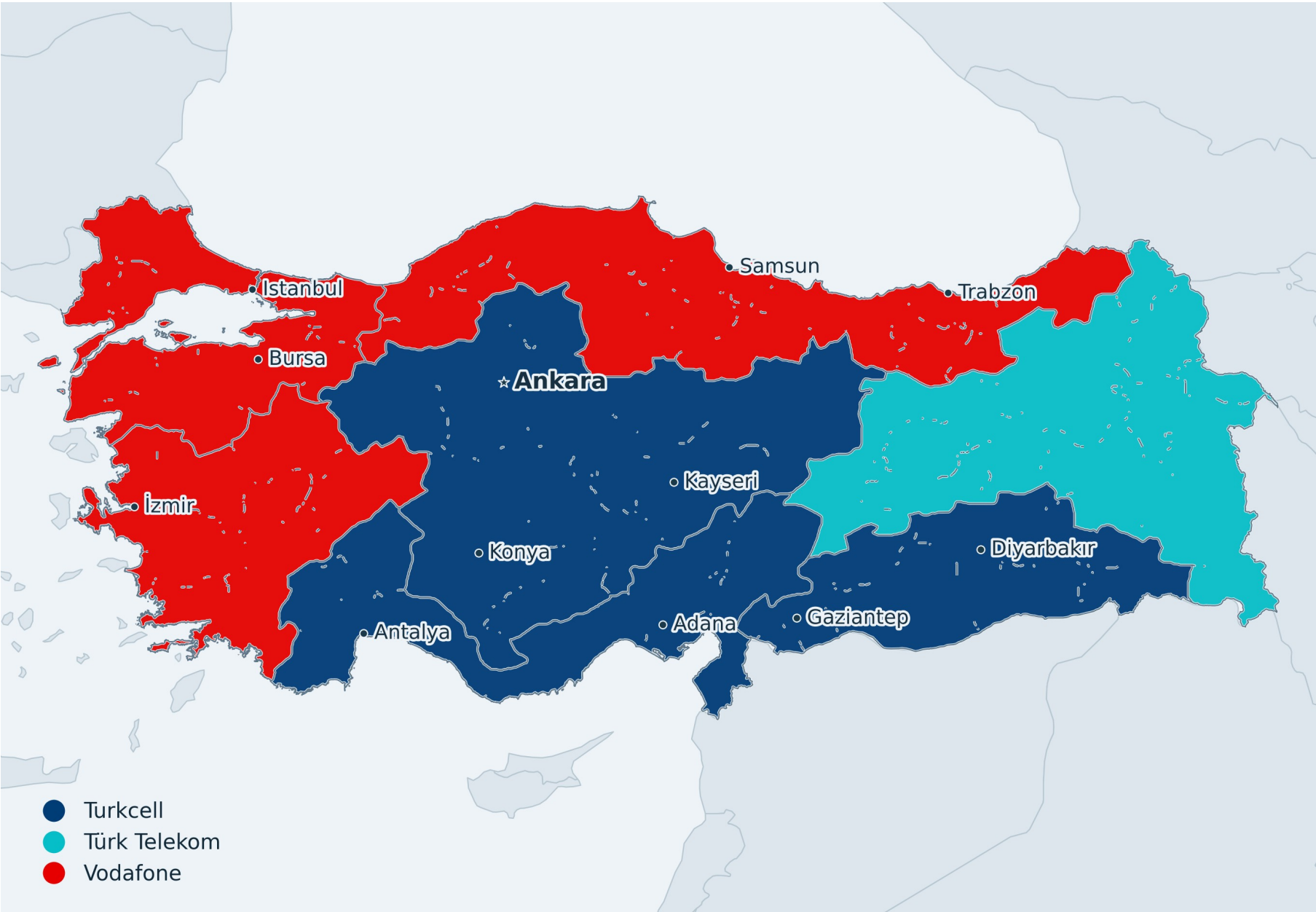


Southeastern Anatolia



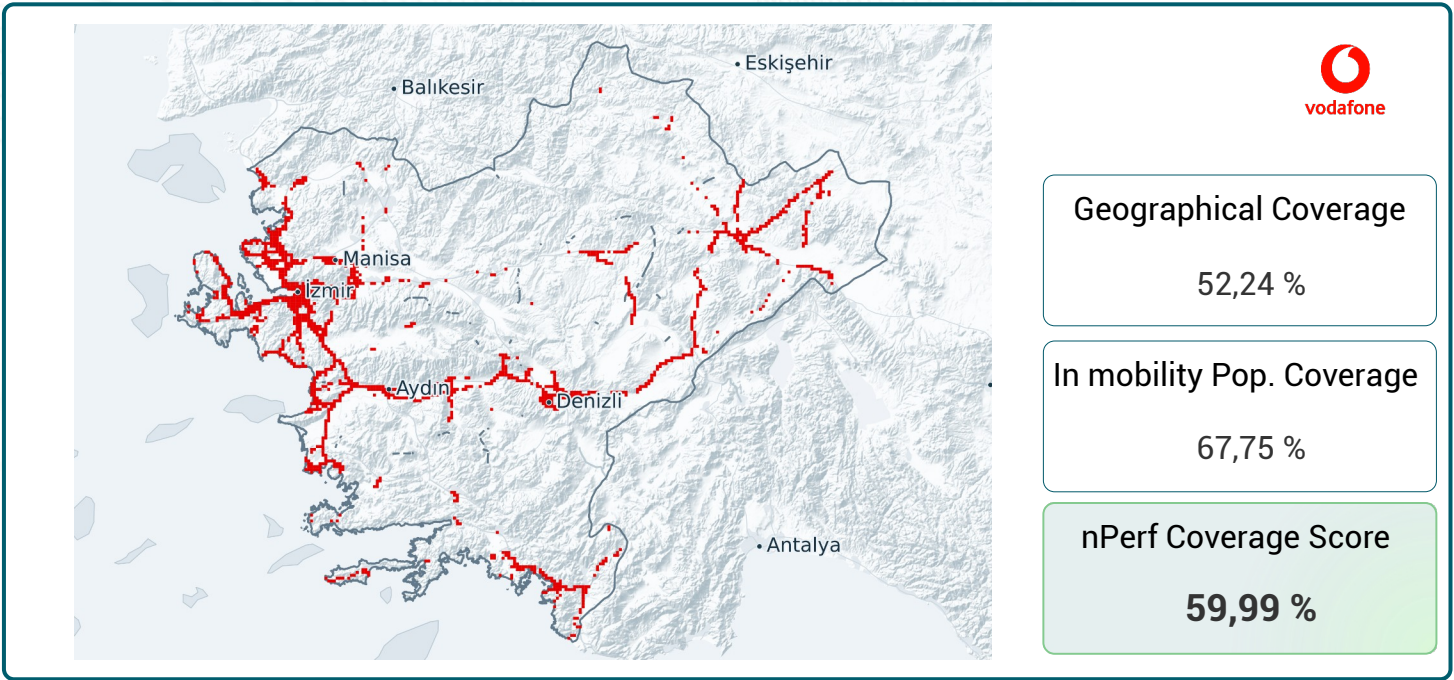
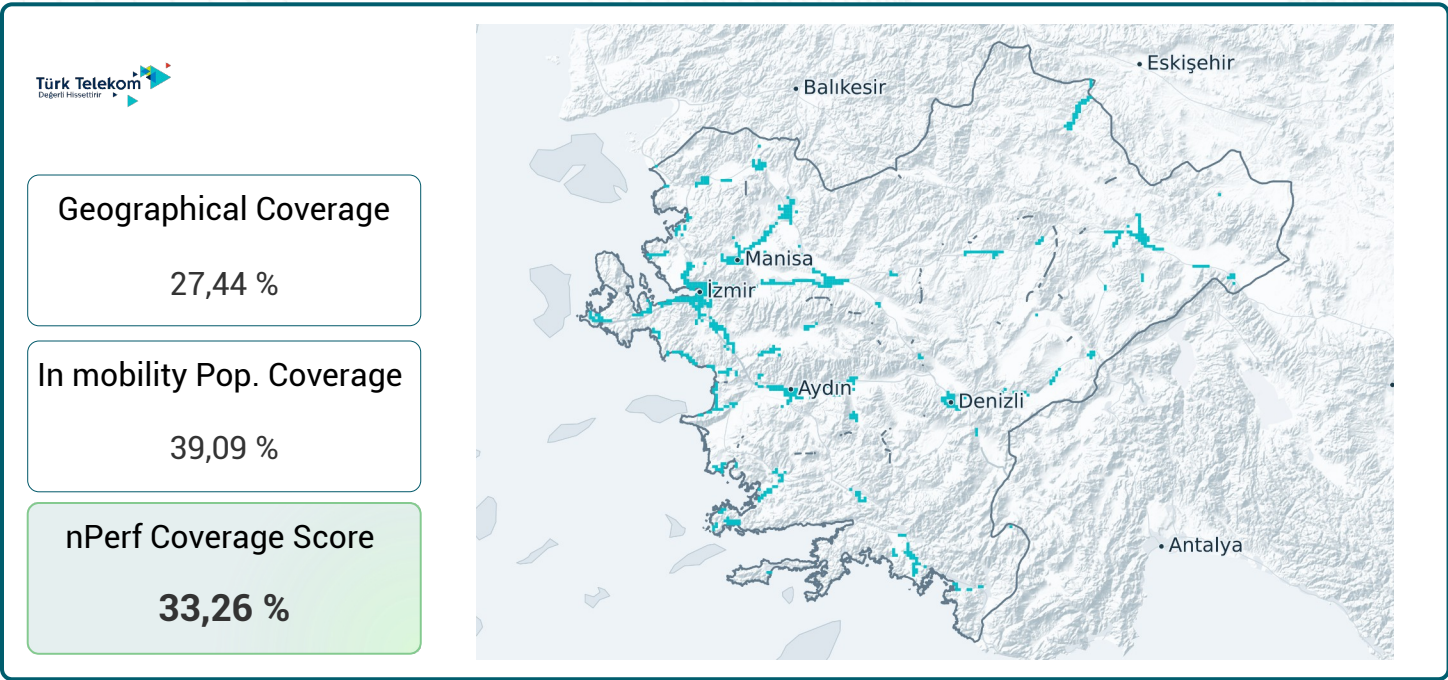
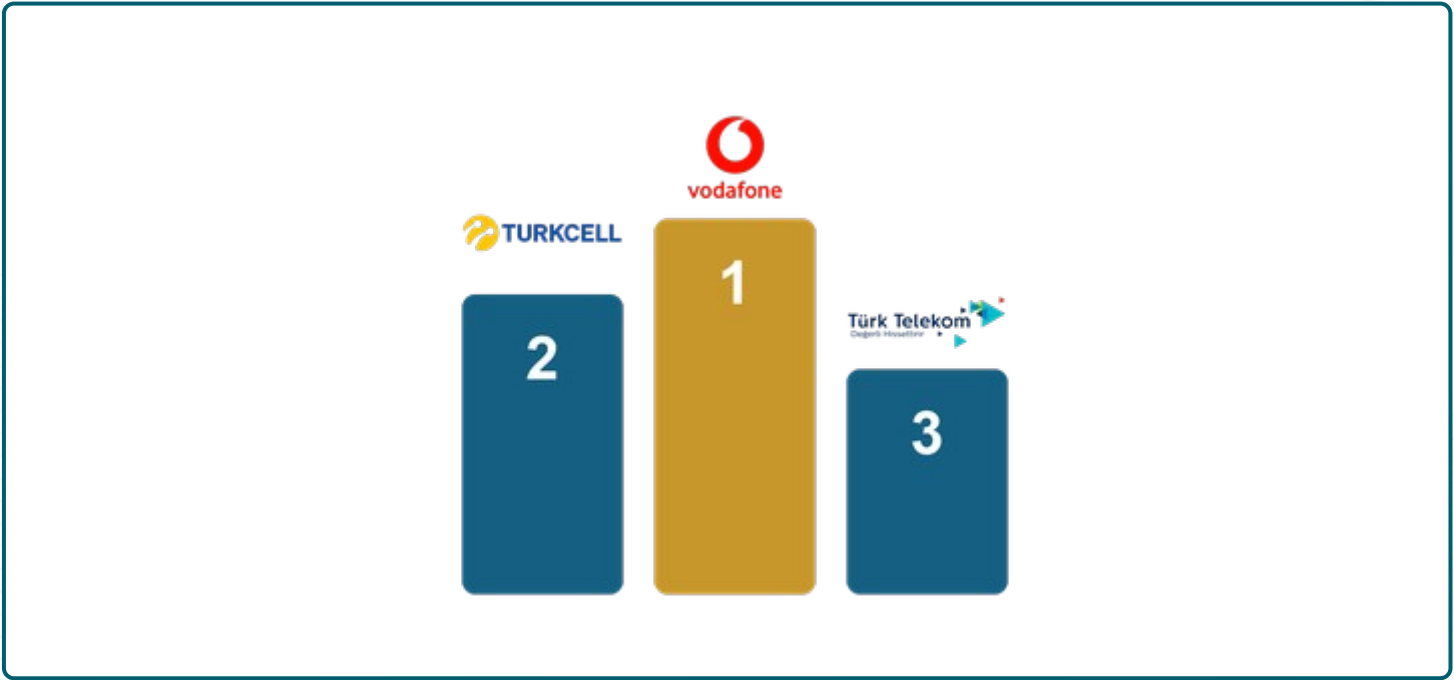
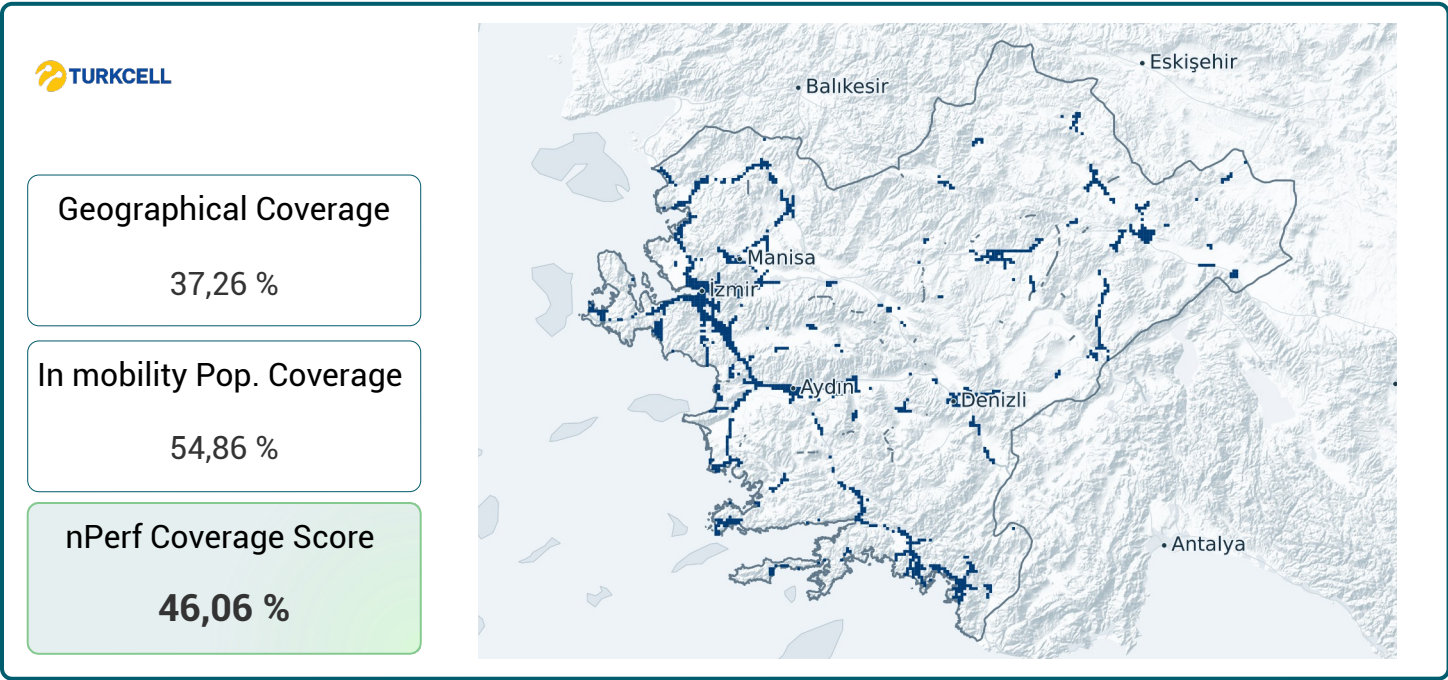
Source : nPerf.com

Regional Winner



Source : nPerf.com

5G coverage — Aegean



5G coverage — Black Sea



Geographical Coverage

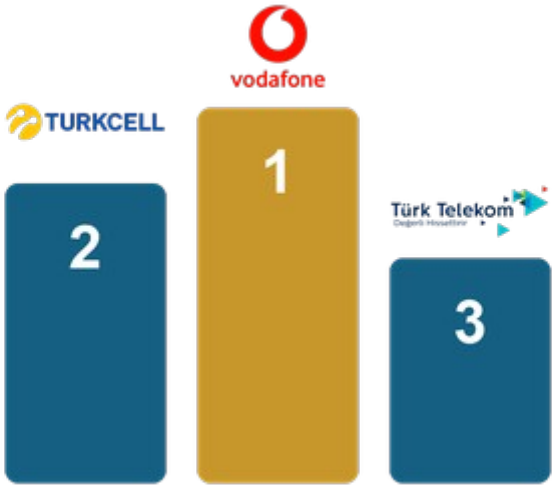
29,33 %

In mobility Pop. Coverage

45,15 %

nPerf Coverage Score

37,24 %



Geographical Coverage

17,19 %

In mobility Pop. Coverage

24,70 %

nPerf Coverage Score

20,94 %



Geographical Coverage

35,65 %

In mobility Pop. Coverage

61,69 %

nPerf Coverage Score

48,67 %

5G coverage — Central Anatolia



Geographical Coverage

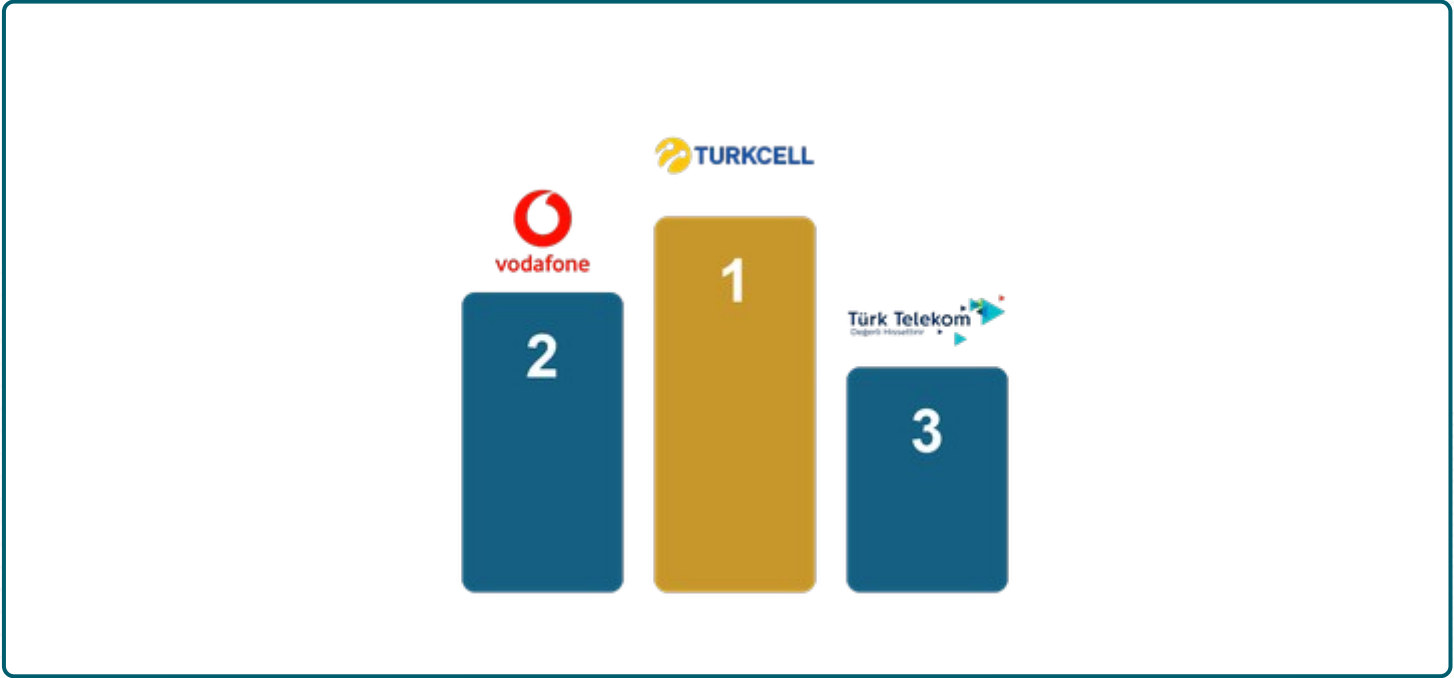
40,35 %

In mobility Pop. Coverage

59,02 %

nPerf Coverage Score

49,68 %



Geographical Coverage

26,55 %

In mobility Pop. Coverage

42,90 %

nPerf Coverage Score

34,73 %

Geographical Coverage

33,65 %

In mobility Pop. Coverage

55,33 %

nPerf Coverage Score

44,49 %

5G coverage — Eastern Anatolia



TURKCELL

Geographical Coverage

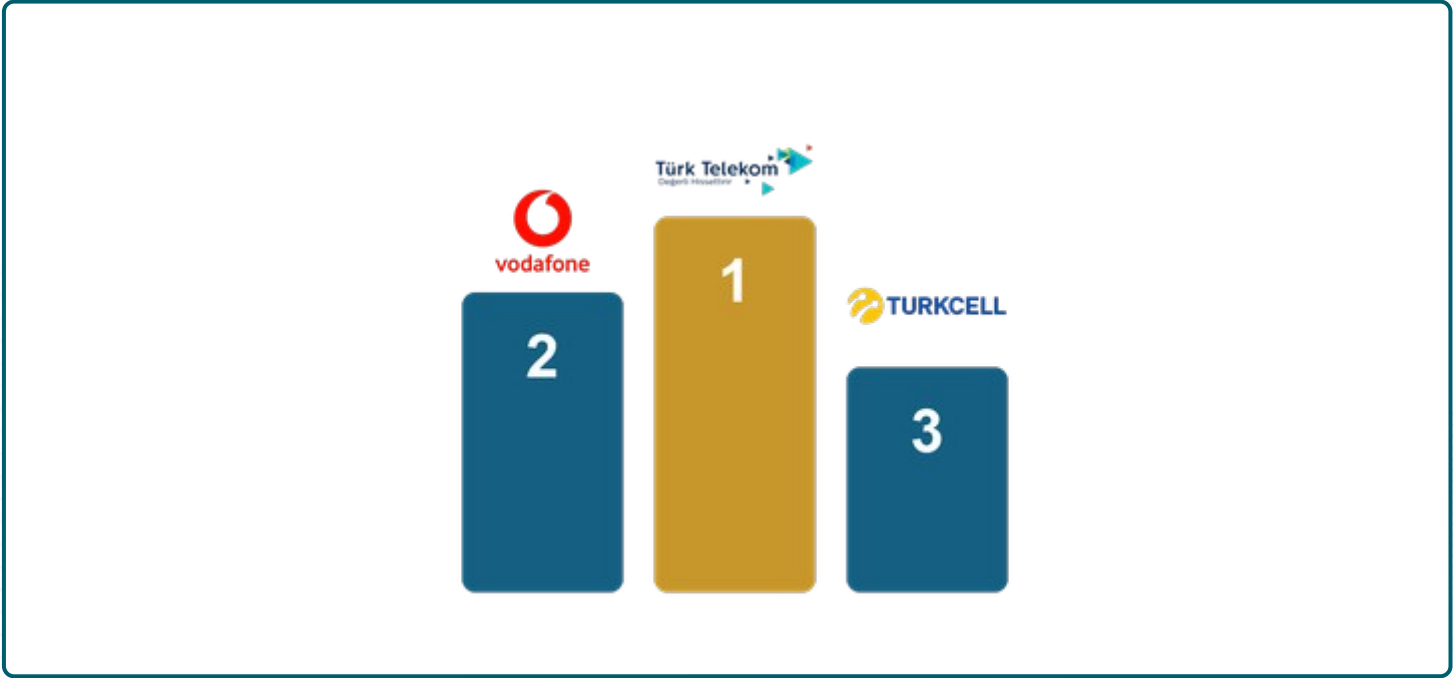
20,71 %

In mobility Pop. Coverage

41,60 %

nPerf Coverage Score

31,15 %



Türk Telekom

Geographical Coverage

30,90 %

In mobility Pop. Coverage

52,69 %

nPerf Coverage Score

41,79 %

vodafone

Geographical Coverage

24,69 %

In mobility Pop. Coverage

47,81 %

nPerf Coverage Score

36,25 %

5G coverage — Marmara



Geographical Coverage

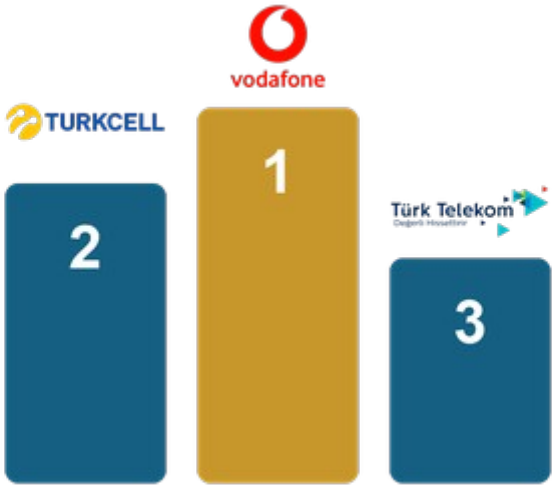
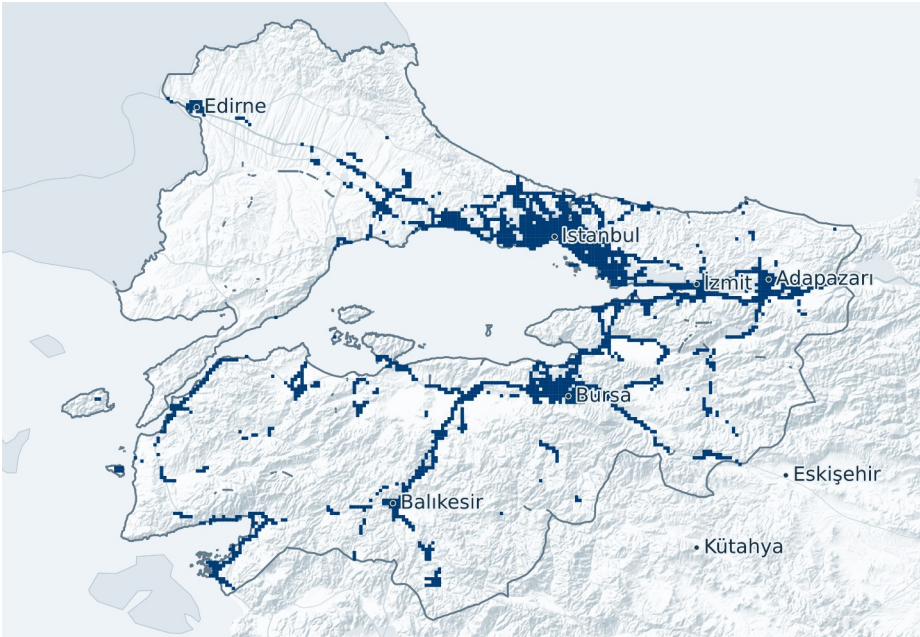
54,43 %

In mobility Pop. Coverage

79,88 %

nPerf Coverage Score

67,16 %



Geographical Coverage

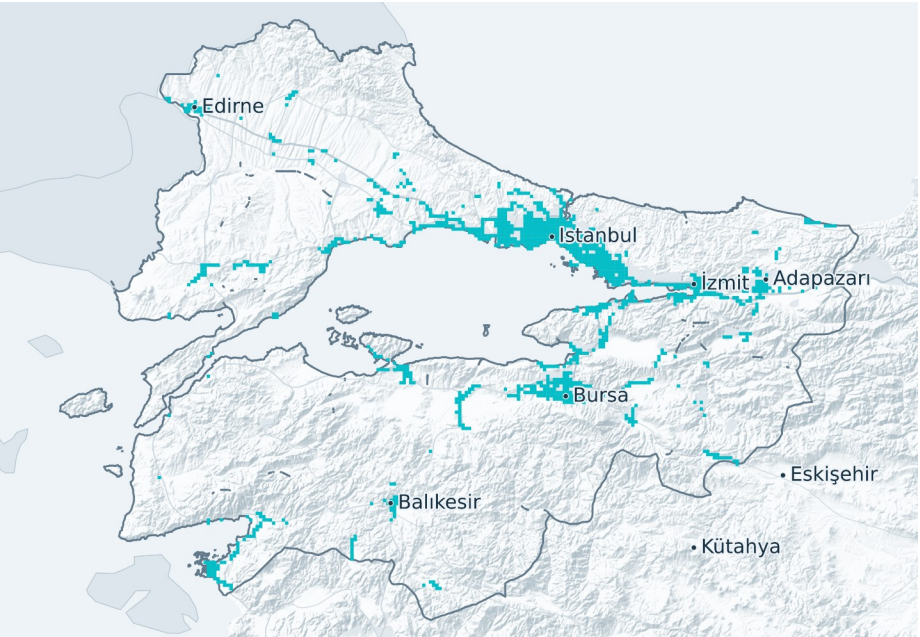
43,50 %

In mobility Pop. Coverage

62,53 %

nPerf Coverage Score

53,02 %



Geographical Coverage

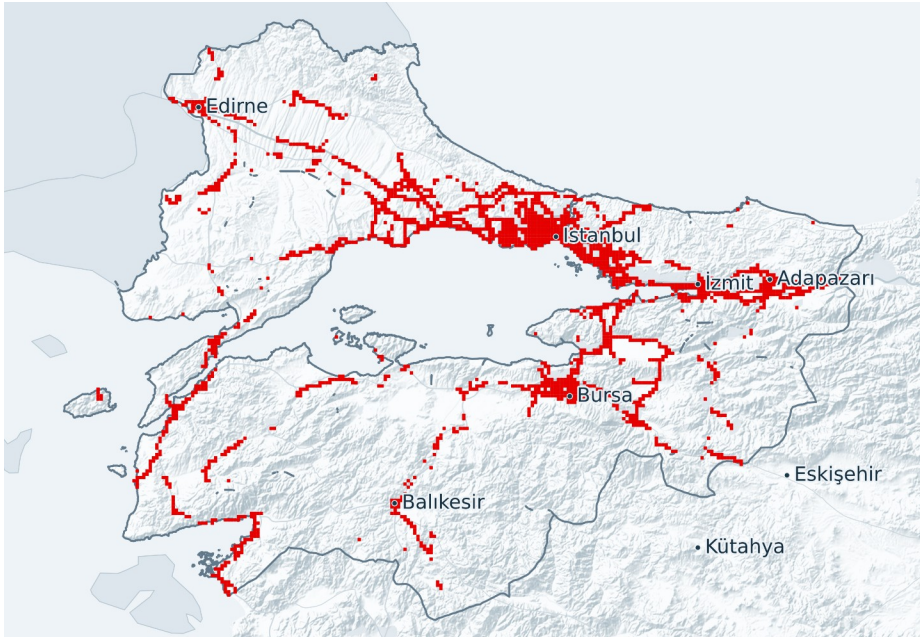
56,48 %

In mobility Pop. Coverage

78,03 %

nPerf Coverage Score

67,25 %



5G coverage — Mediterranean





Geographical Coverage

47,48 %

In mobility Pop. Coverage

63,98 %

nPerf Coverage Score

55,73 %







Geographical Coverage

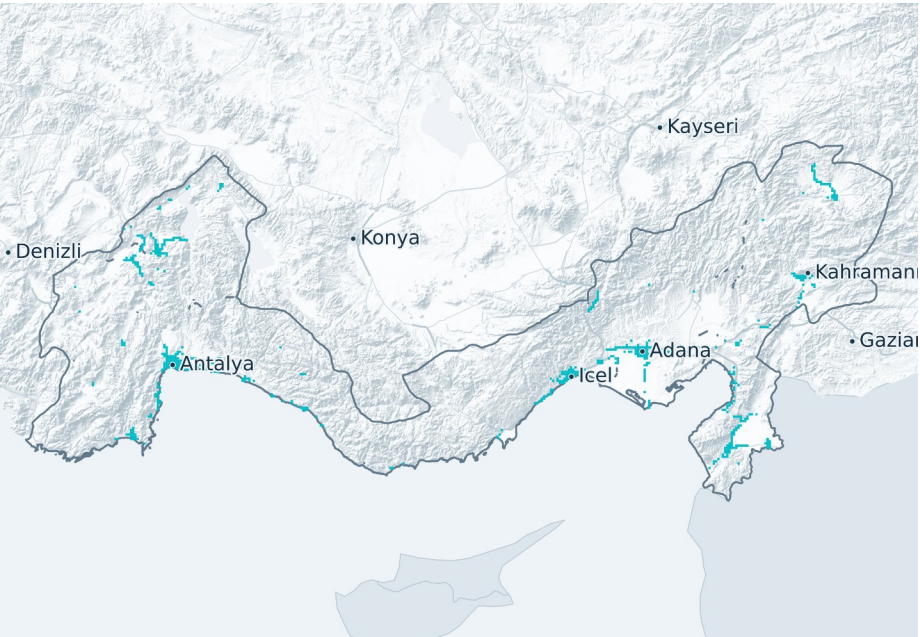
28,56 %

In mobility Pop. Coverage

44,24 %

nPerf Coverage Score

36,40 %





Geographical Coverage

40,88 %

In mobility Pop. Coverage

54,88 %

nPerf Coverage Score

47,88 %



5G coverage — Southeastern Anatolia



Geographical Coverage

38,56 %

In mobility Pop. Coverage

50,58 %

nPerf Coverage Score

44,57 %



Geographical Coverage

23,77 %

In mobility Pop. Coverage

34,48 %

nPerf Coverage Score

29,12 %

Geographical Coverage

34,30 %

In mobility Pop. Coverage

45,89 %

nPerf Coverage Score

40,10 %

