

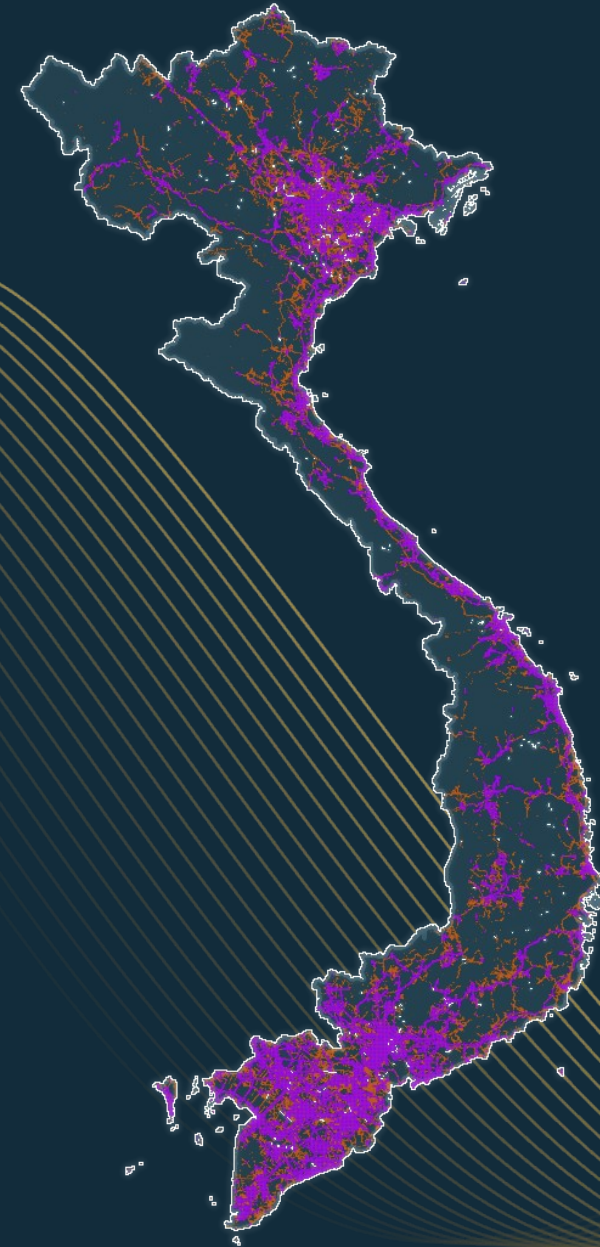
September 2026



Barometer of mobile coverage in Vietnam

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.

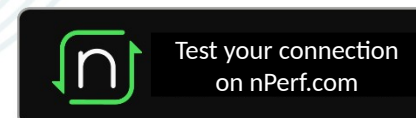
 **26Md+** coverage
scans in total.

 **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 Viettel enjoyed the best 4G coverage in 2026 in Vietnam.

Mobile coverage rate in Vietnam			
	Mobifone	<u>Viettel</u>	Vinaphone
Geographical Coverage Rate	89.22	97.04	91.22
Population Coverage Rate	95.08	98.97	96.00
nPerf Coverage Score	92.15	98.01	93.61

Source : nPerf.com

Best Mobile coverage in Vietnam

Source : nPerf.com

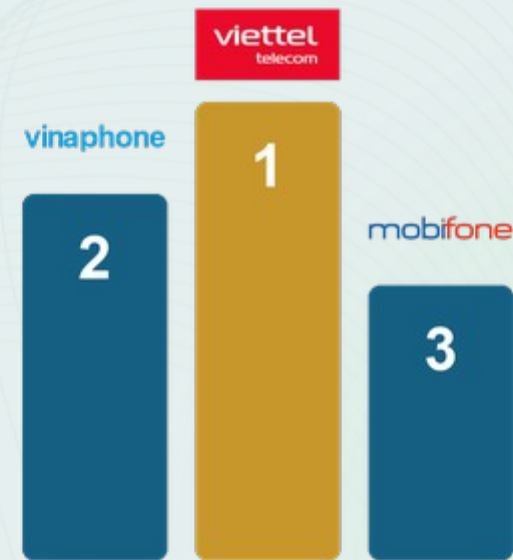
nPerf Podium

Source : nPerf.com

4. National 4G coverage maps

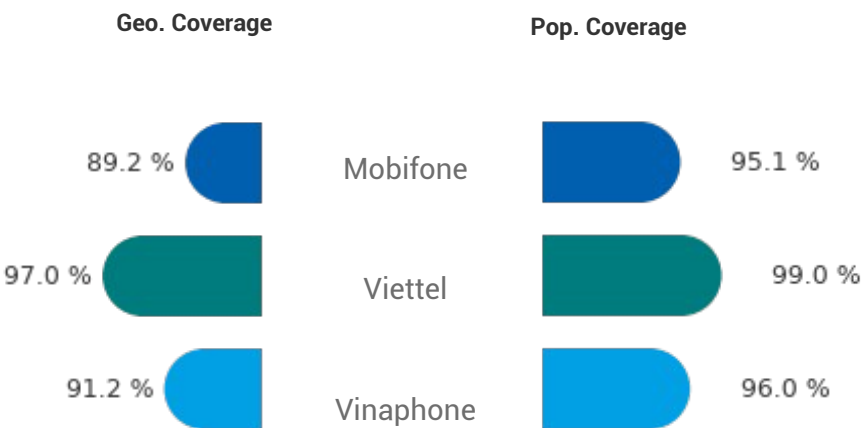


nPerf Coverage Score



Source : nPerf.com

Coverage Indicators



Source : nPerf.com

National Coverage



National 4G coverage maps for Mobifone



Mobifone

Geographical Coverage Rate (%) 89.22

Population Coverage Rate (%) 95.08

nPerf Coverage Score (%) 92.15



National 4G coverage maps for Viettel

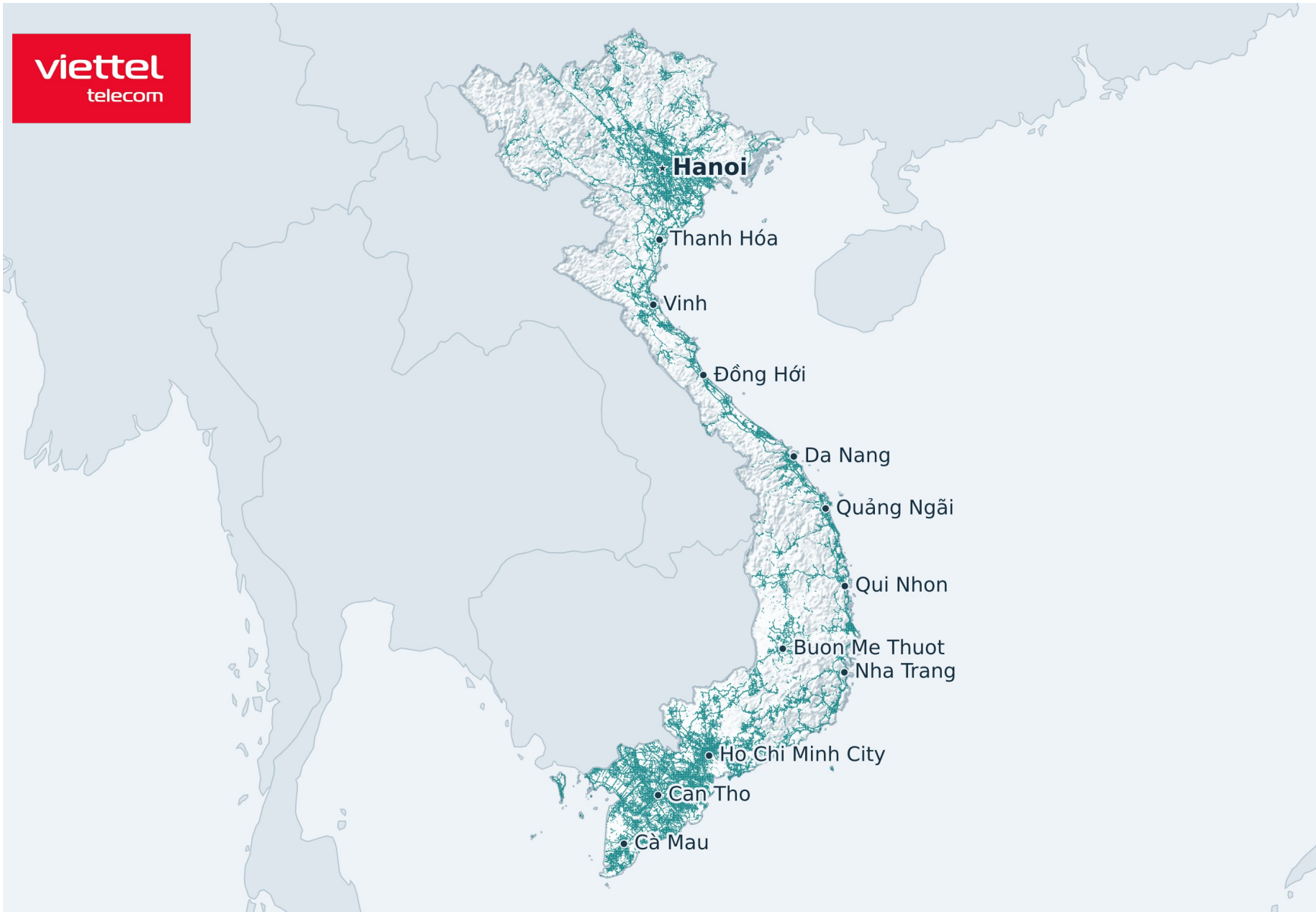


Viettel

Geographical Coverage Rate (%) 97.04

Population Coverage Rate (%) 98.97

nPerf Coverage Score (%) 98.01



National 4G coverage maps for Vinaphone



Vinaphone

Geographical Coverage Rate (%) 91.22

Population Coverage Rate (%) 96.00

nPerf Coverage Score (%) 93.61



5. Executive Summary 5G



The subscribers of Viettel enjoyed the best 5G coverage in 2026 in Vietnam.

Mobile coverage rate in Vietnam			
	Mobifone	<u>Viettel</u>	Vinaphone
Geographical Coverage Rate	25.95	53.46	29.11
Population Coverage Rate	50.04	74.32	49.38
nPerf Coverage Score	37.99	63.89	39.24

Source : nPerf.com



Best Mobile coverage in Vietnam



Source : nPerf.com

nPerf Podium

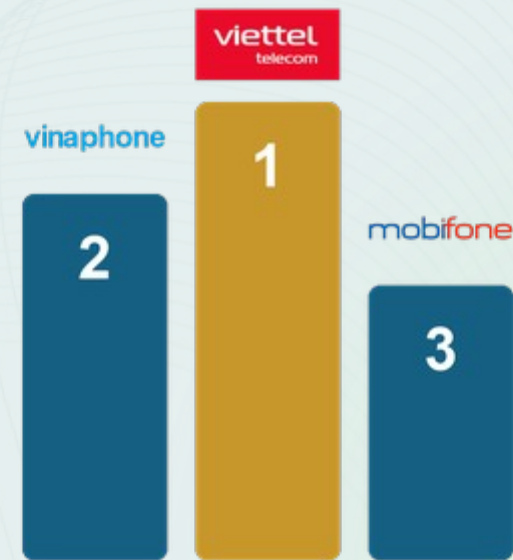


Source : nPerf.com

6. National 5G coverage maps

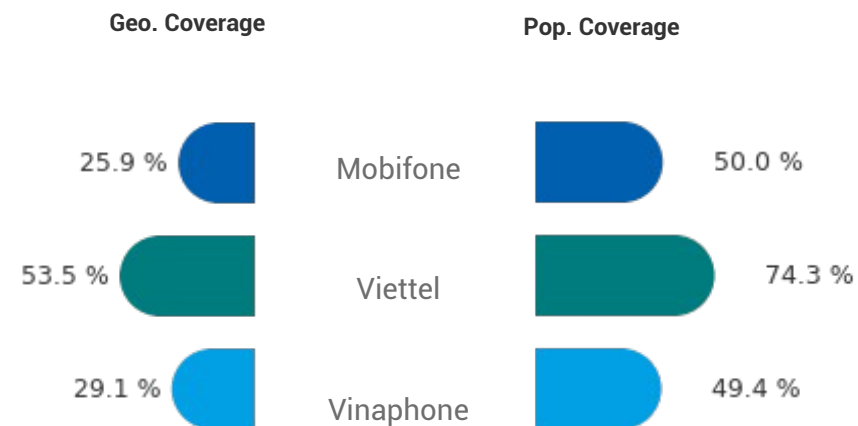


nPerf Coverage Score



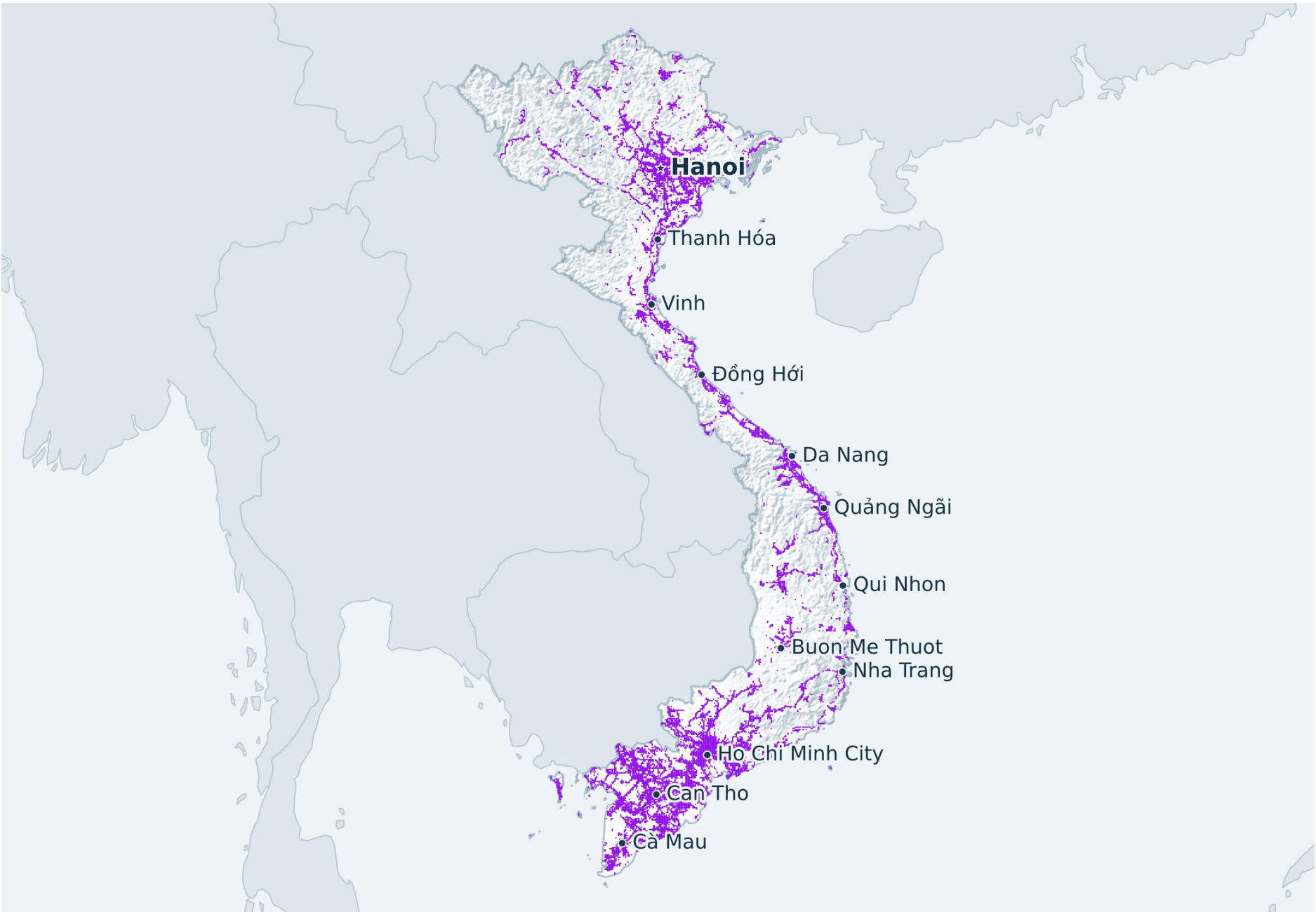
Source : nPerf.com

Coverage Indicators



Source : nPerf.com

National Coverage



National 5G coverage maps for Mobifone



Mobifone

Geographical Coverage Rate (%) 25.95

Population Coverage Rate (%) 50.04

nPerf Coverage Score (%) 37.99



National 5G coverage maps for Viettel

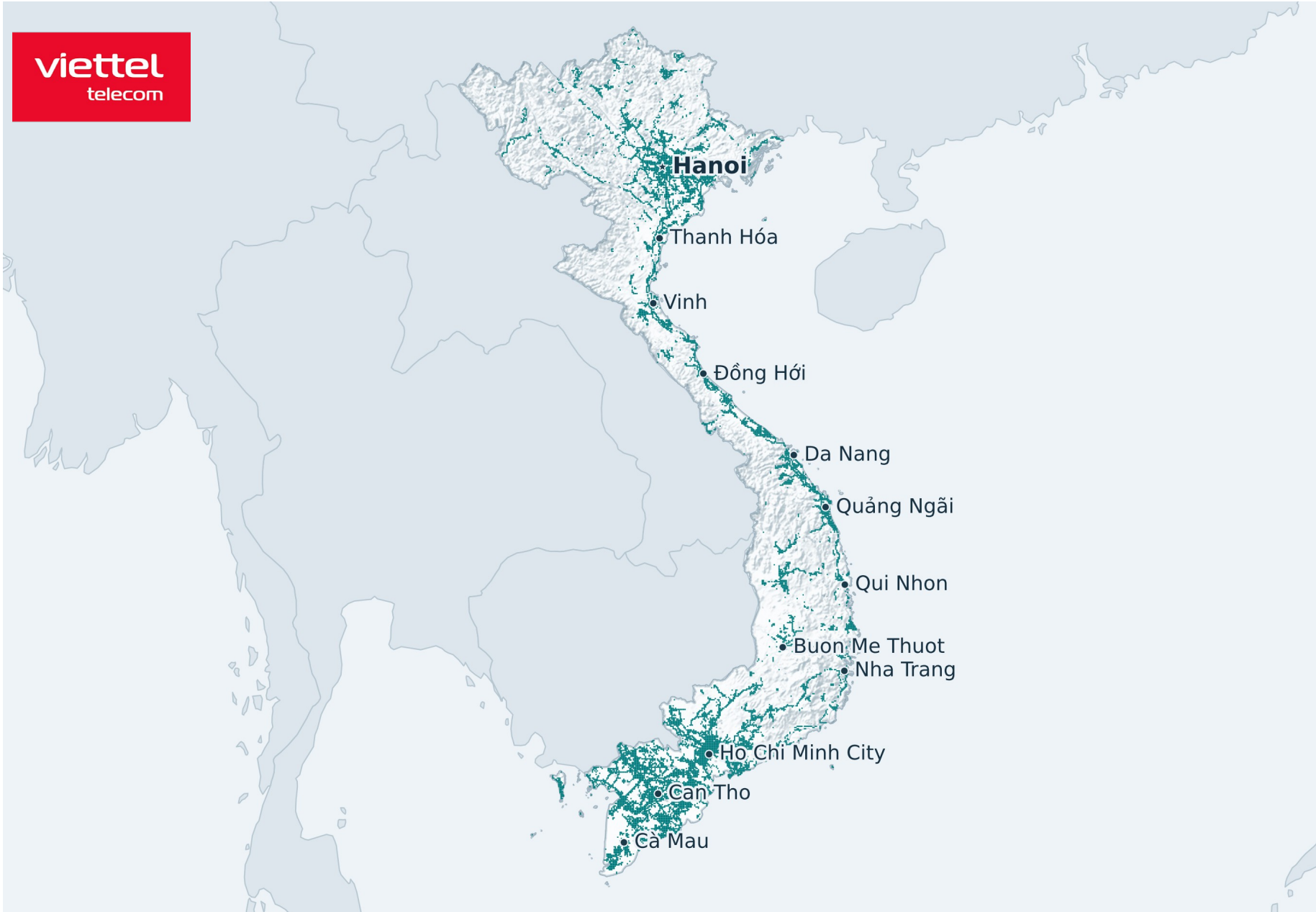


Viettel

Geographical Coverage Rate (%) 53.46

Population Coverage Rate (%) 74.32

nPerf Coverage Score (%) 63.89



National 5G coverage maps for Vinaphone

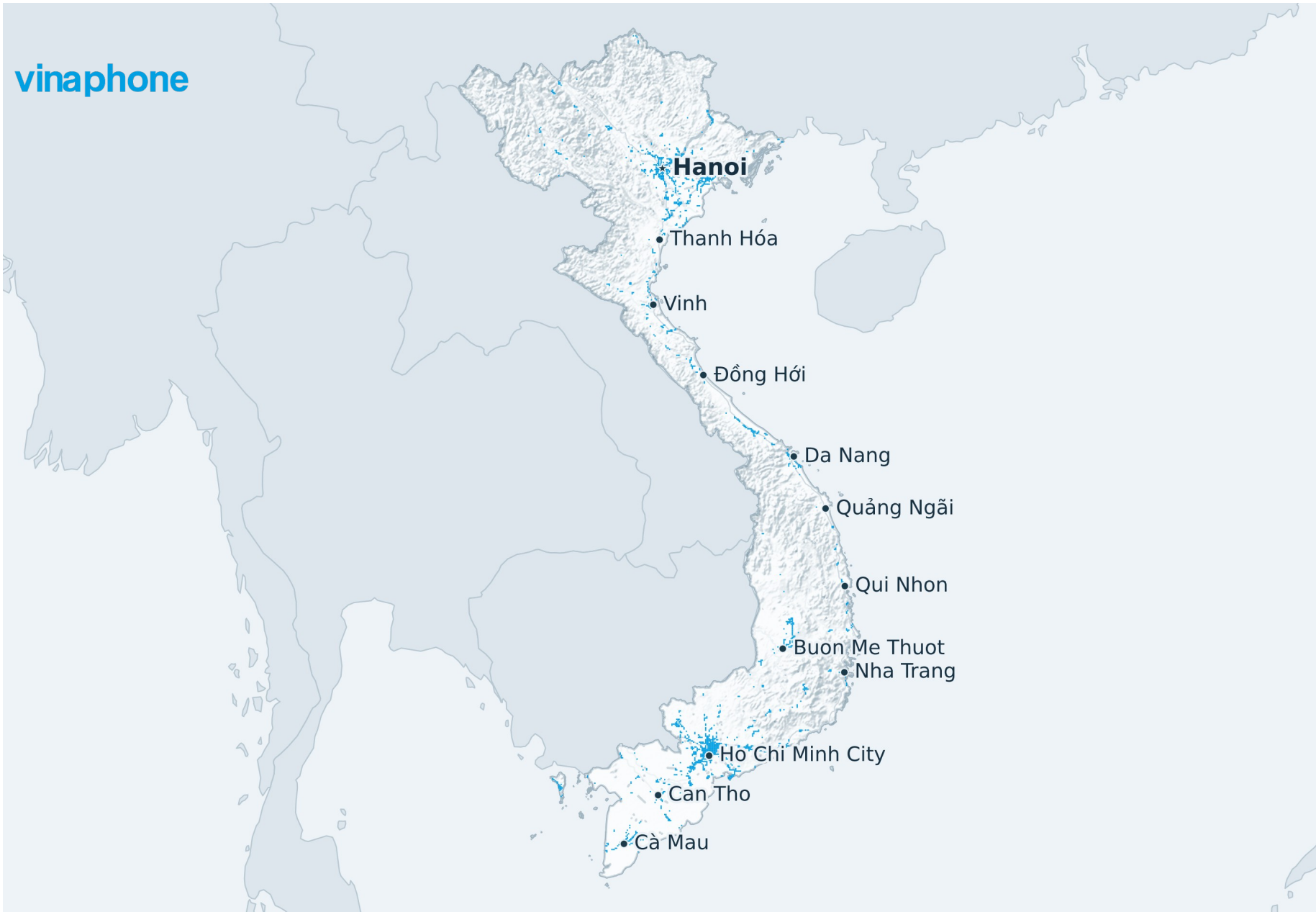


Vinaphone

Geographical Coverage Rate (%) 29.11

Population Coverage Rate (%) 49.38

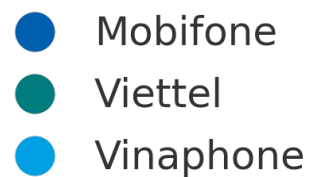
nPerf Coverage Score (%) 39.24



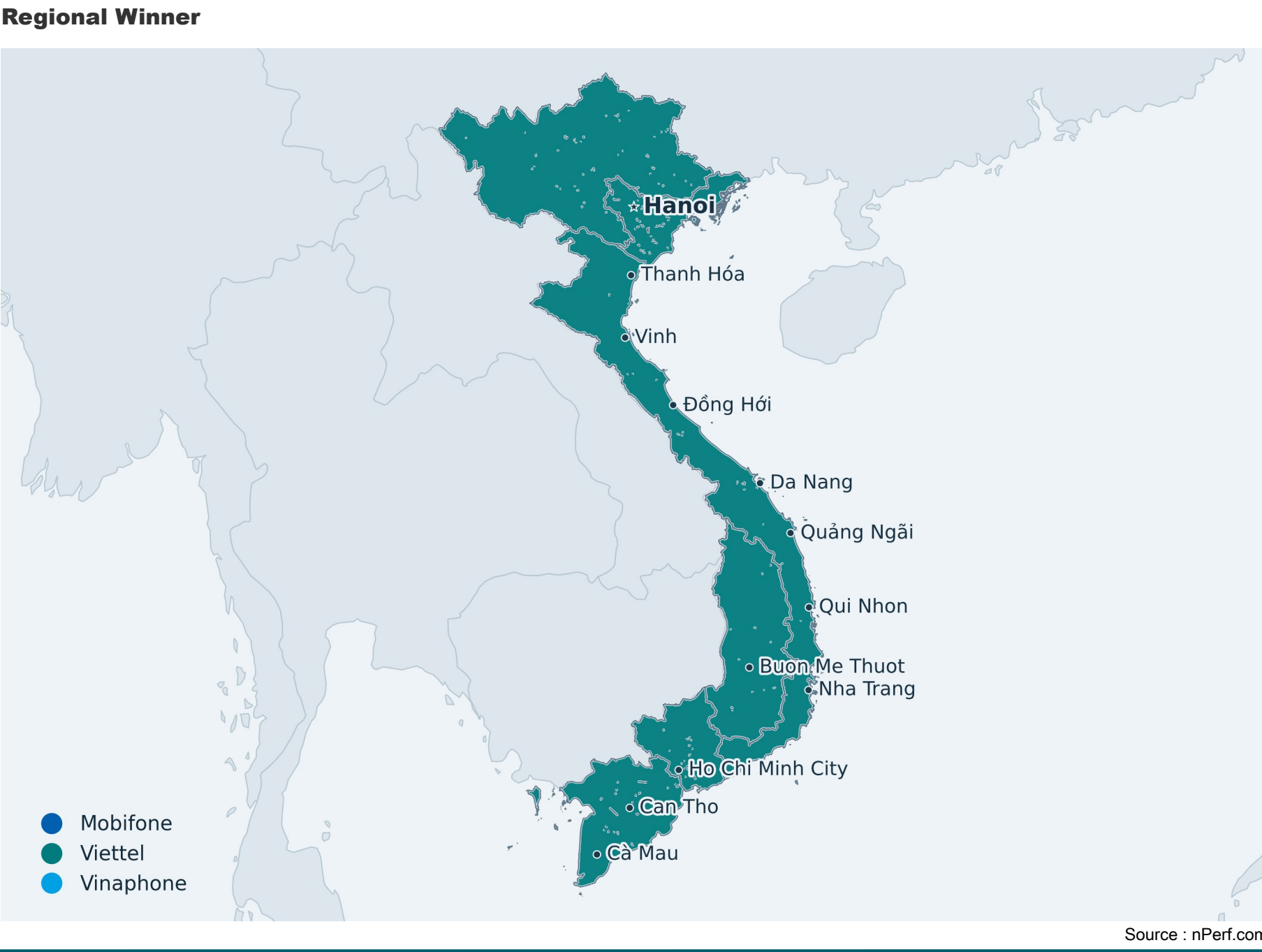
7. Regional 4G coverage: Methodology



Regions	Measurements	Device count	Measurements per operator
Mekong River Delta	3 837 866	96 547	89%
Southeast	3 222 158	72 900	60% 25% 15%
North Central and Central Coast	3 204 628	71 606	70% 24%
Red River Delta	2 933 349	66 235	71% 14% 15%
Northern Midlands and Mountains	966 129	29 881	87% 9%
Central Highlands	764 161	18 577	92%



Regional 4G coverage



4G coverage — Central Highlands



Geographical Coverage

83,19 %

In mobility Pop. Coverage

91,70 %

nPerf Coverage Score

87,44 %



Geographical Coverage

96,23 %

In mobility Pop. Coverage

98,05 %

nPerf Coverage Score

97,14 %

Geographical Coverage

75,20 %

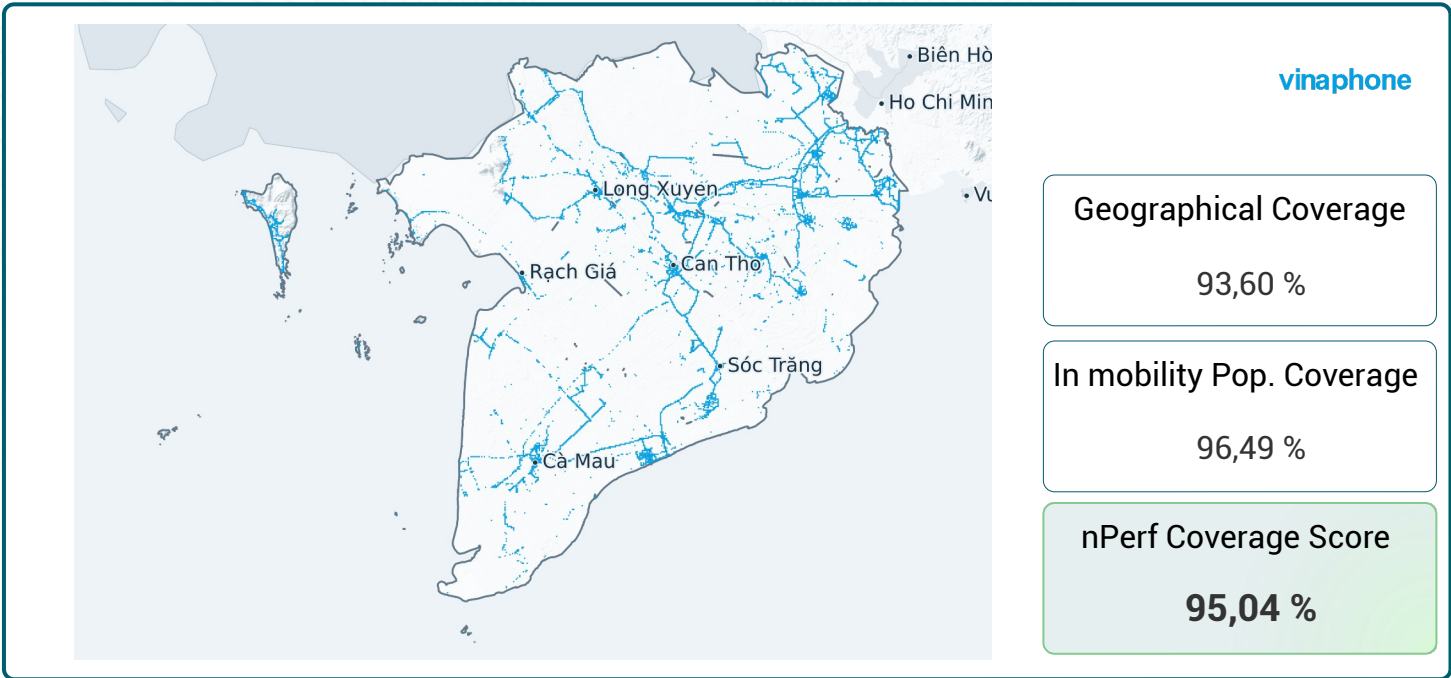
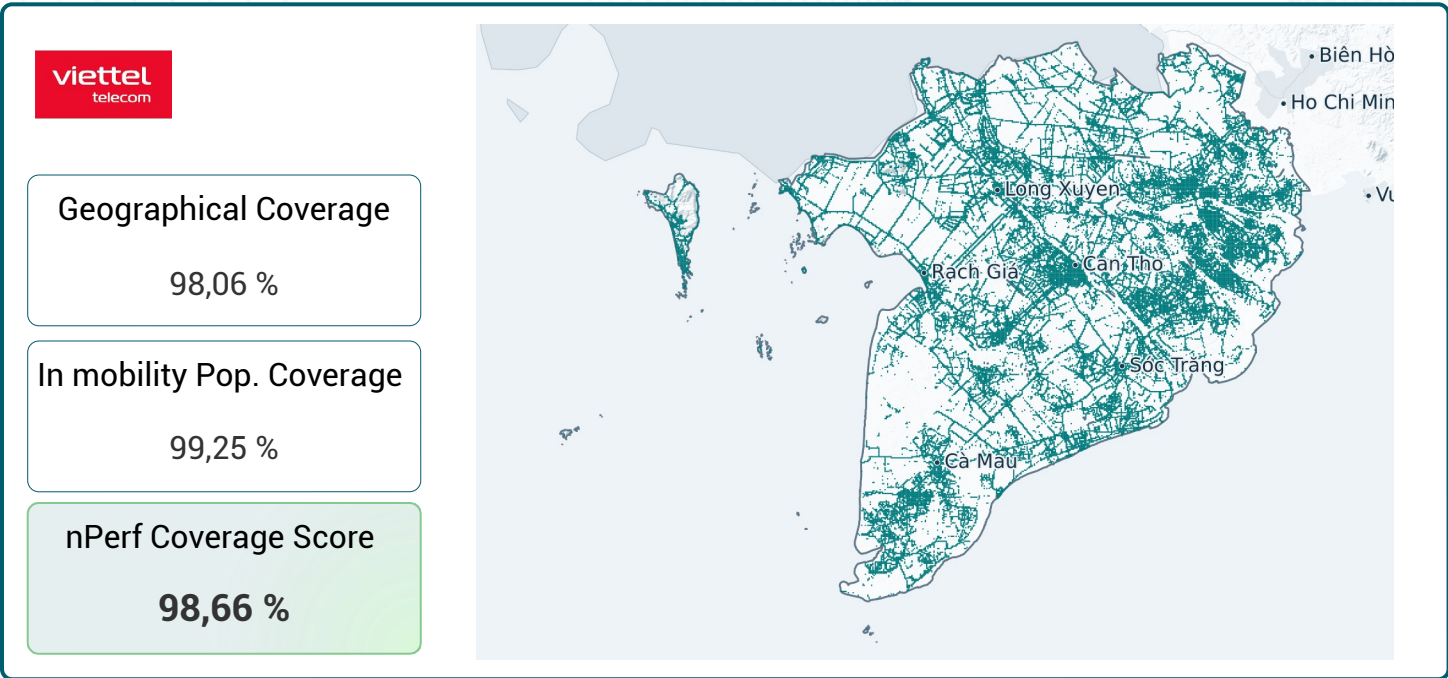
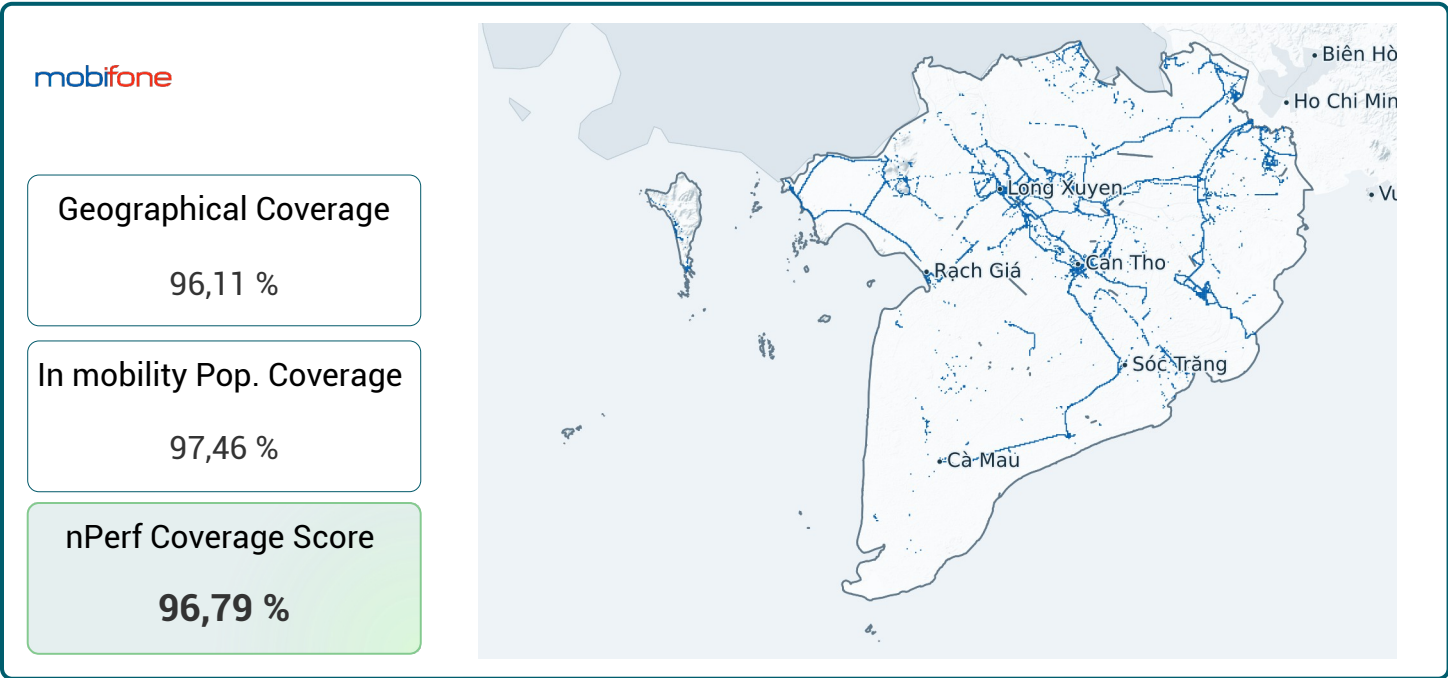
In mobility Pop. Coverage

79,01 %

nPerf Coverage Score

77,11 %

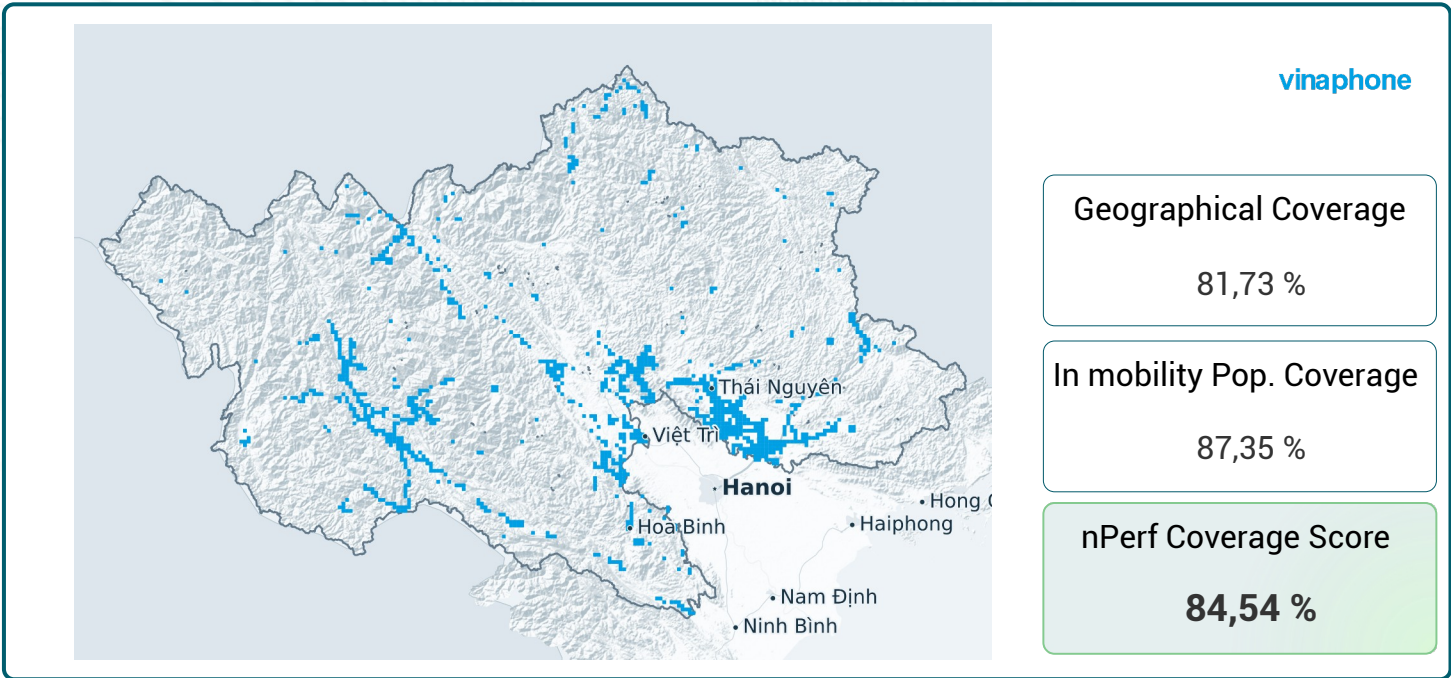
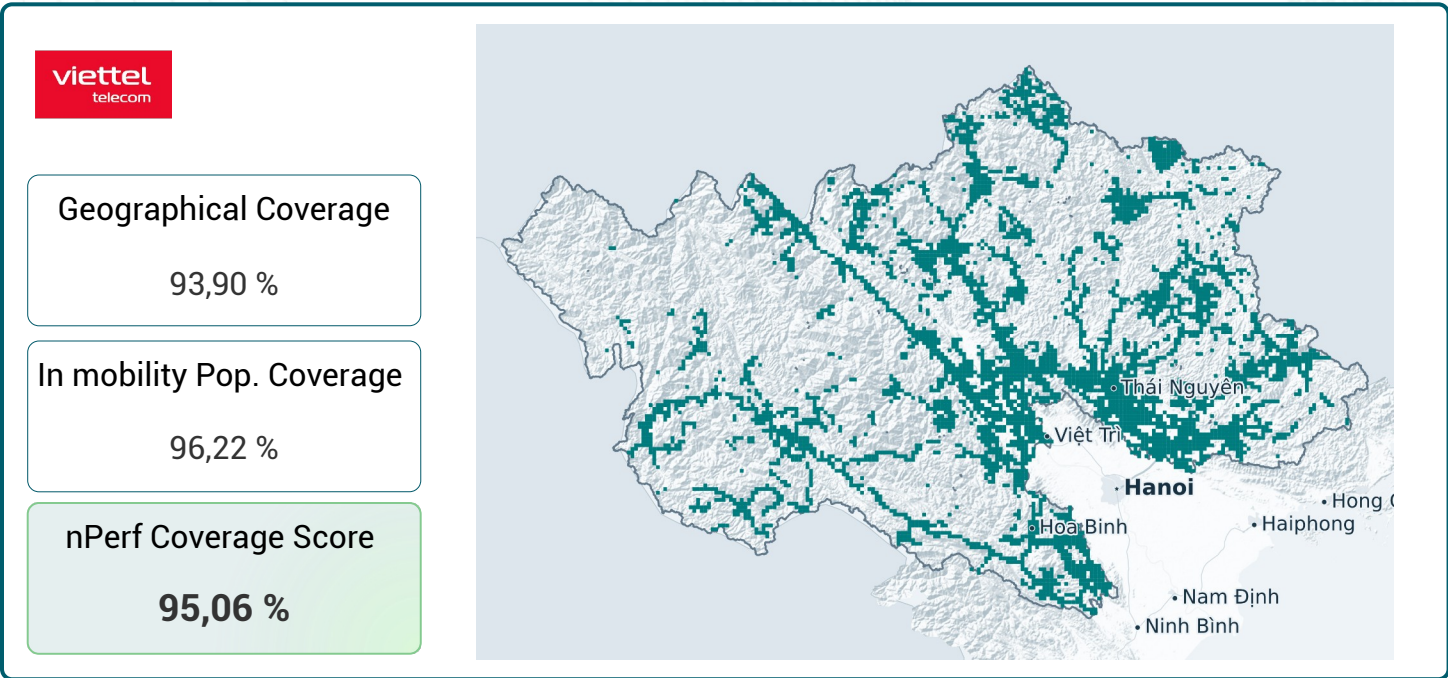
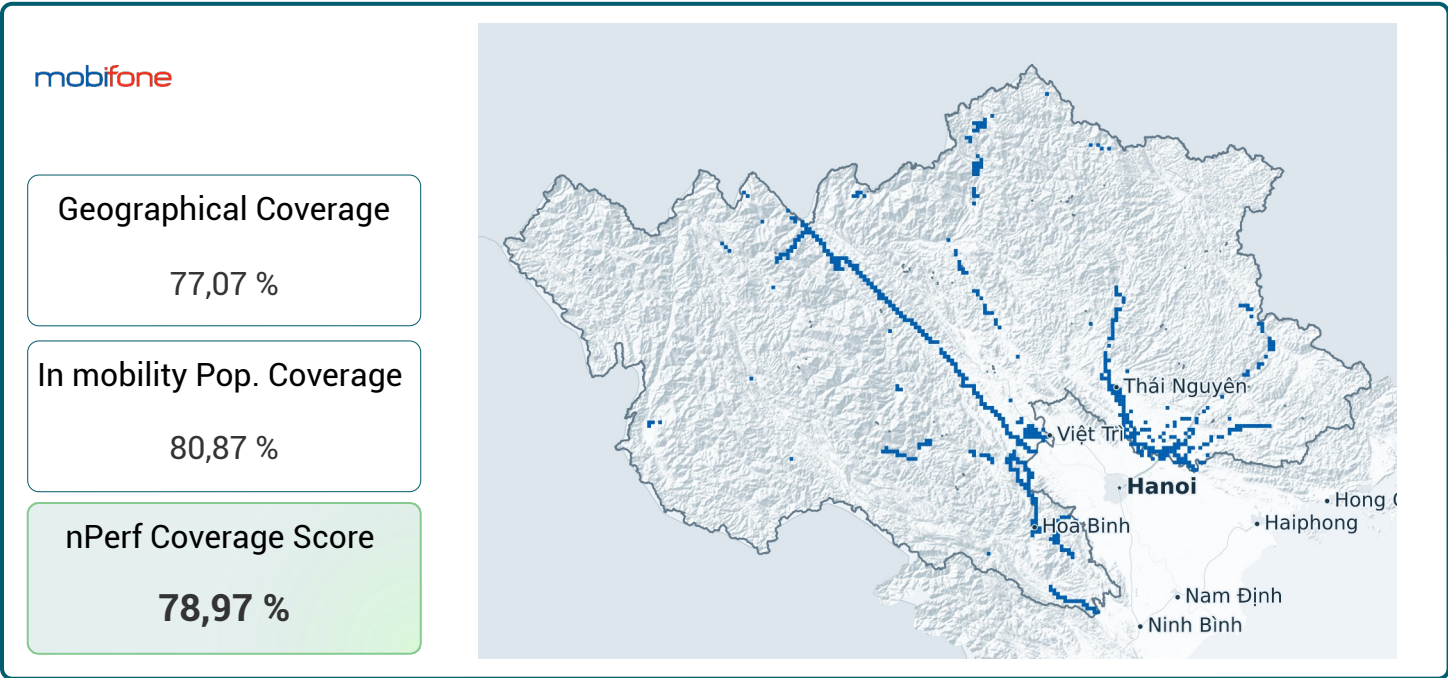
4G coverage — Mekong River Delta



4G coverage — North Central and Central Coast



4G coverage — Northern Midlands and Mountains



4G coverage — Red River Delta



Geographical Coverage

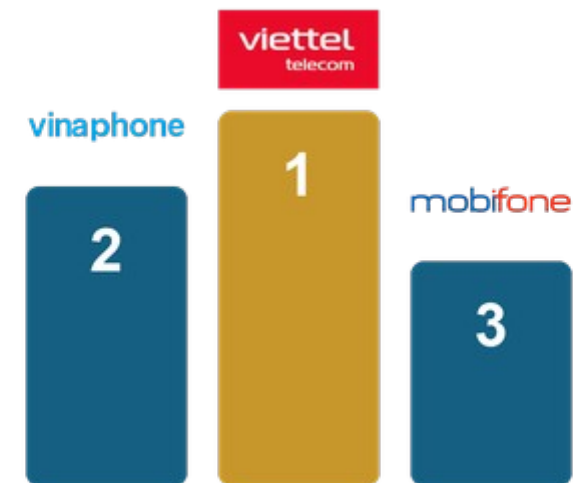
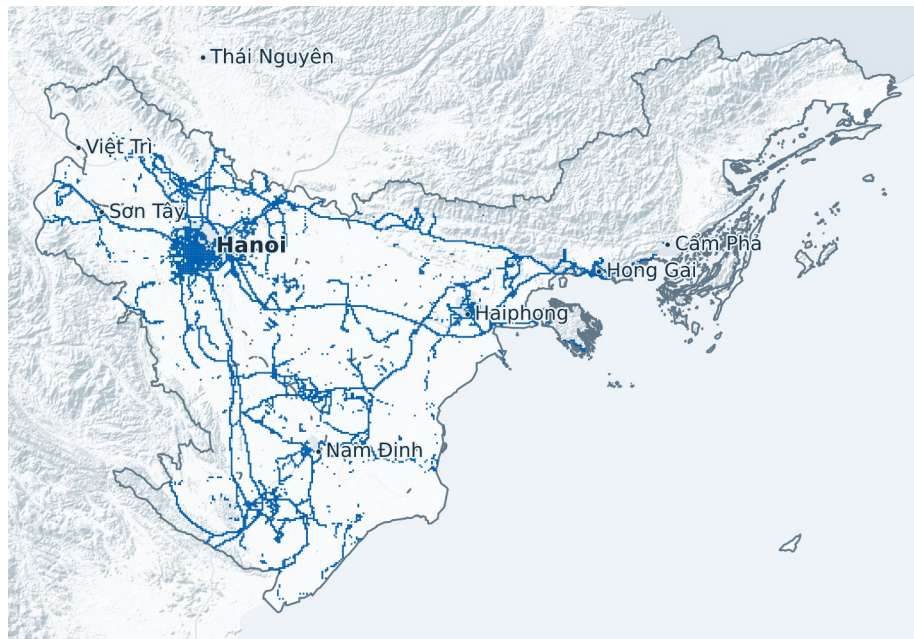
92,16 %

In mobility Pop. Coverage

97,02 %

nPerf Coverage Score

94,59 %



Geographical Coverage

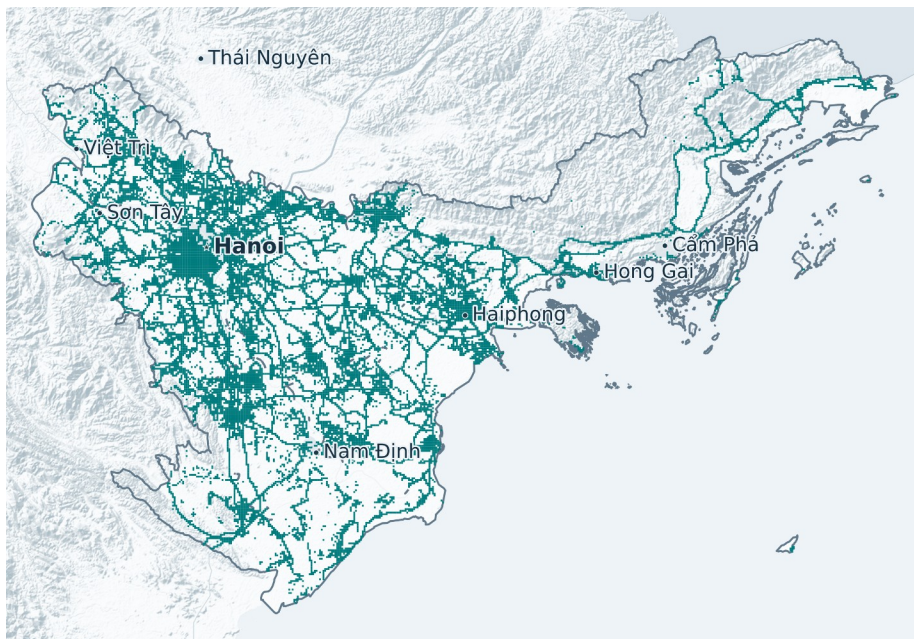
98,03 %

In mobility Pop. Coverage

99,45 %

nPerf Coverage Score

98,74 %



Geographical Coverage

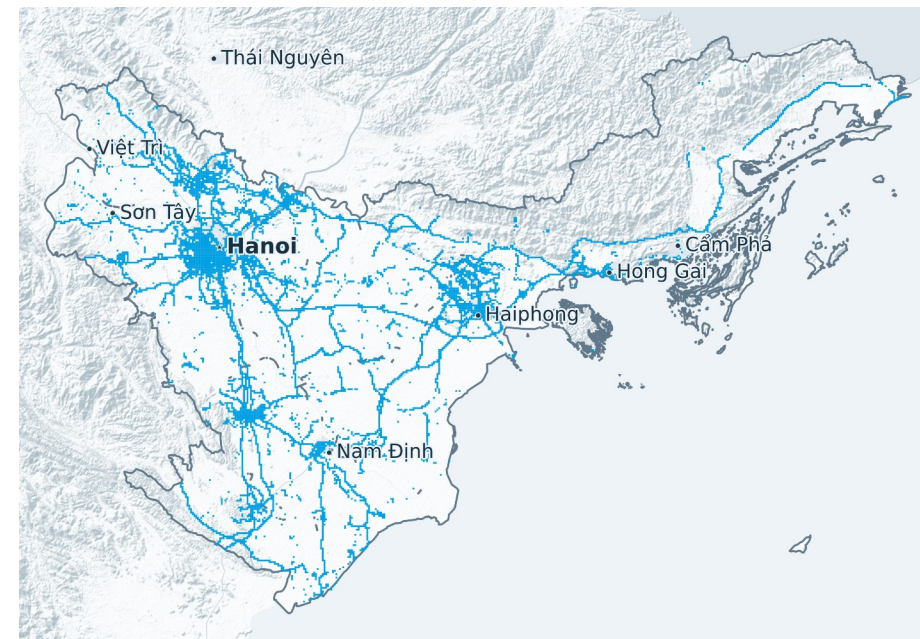
95,87 %

In mobility Pop. Coverage

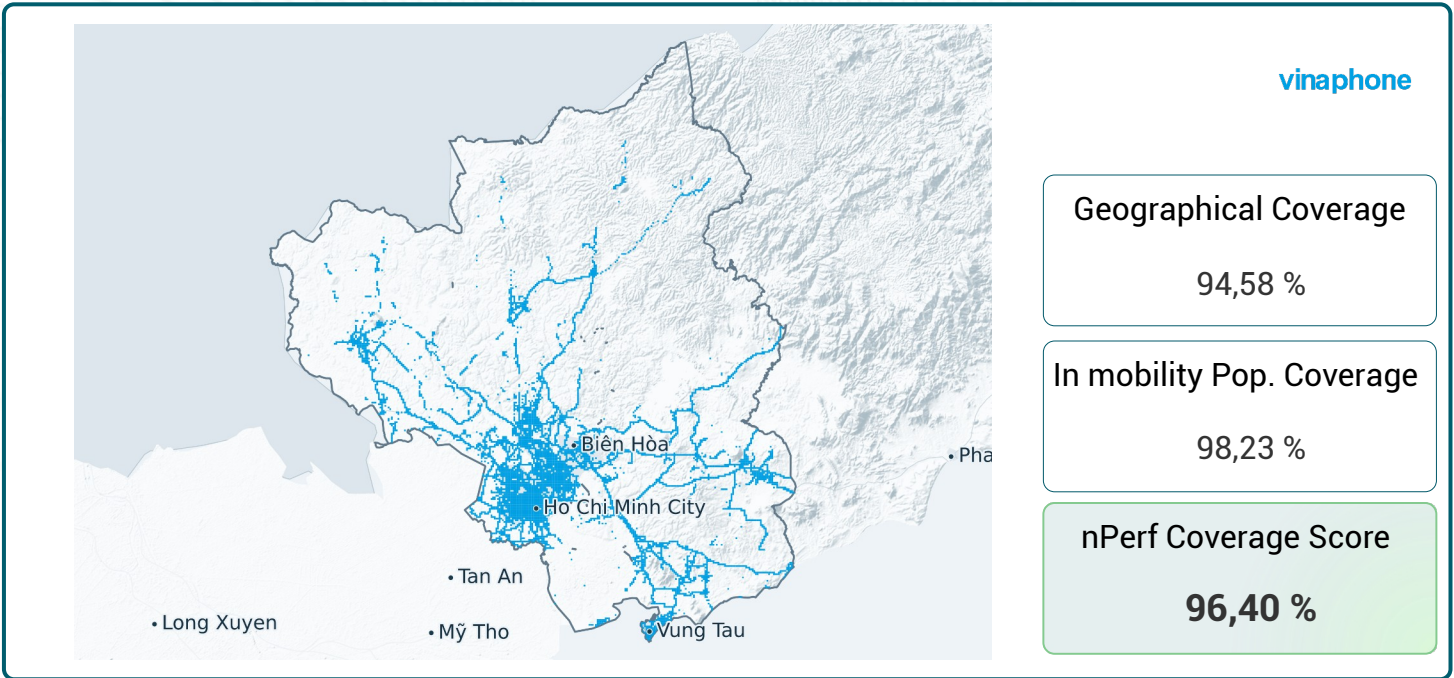
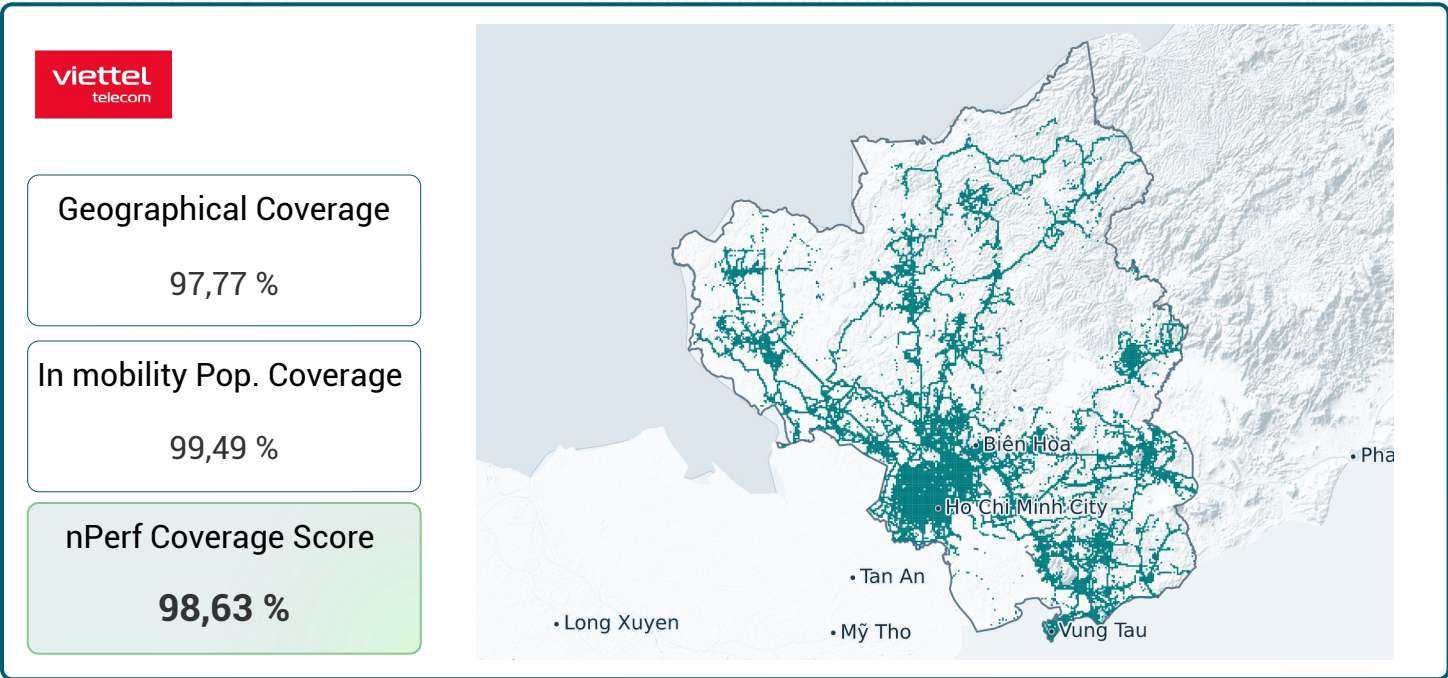
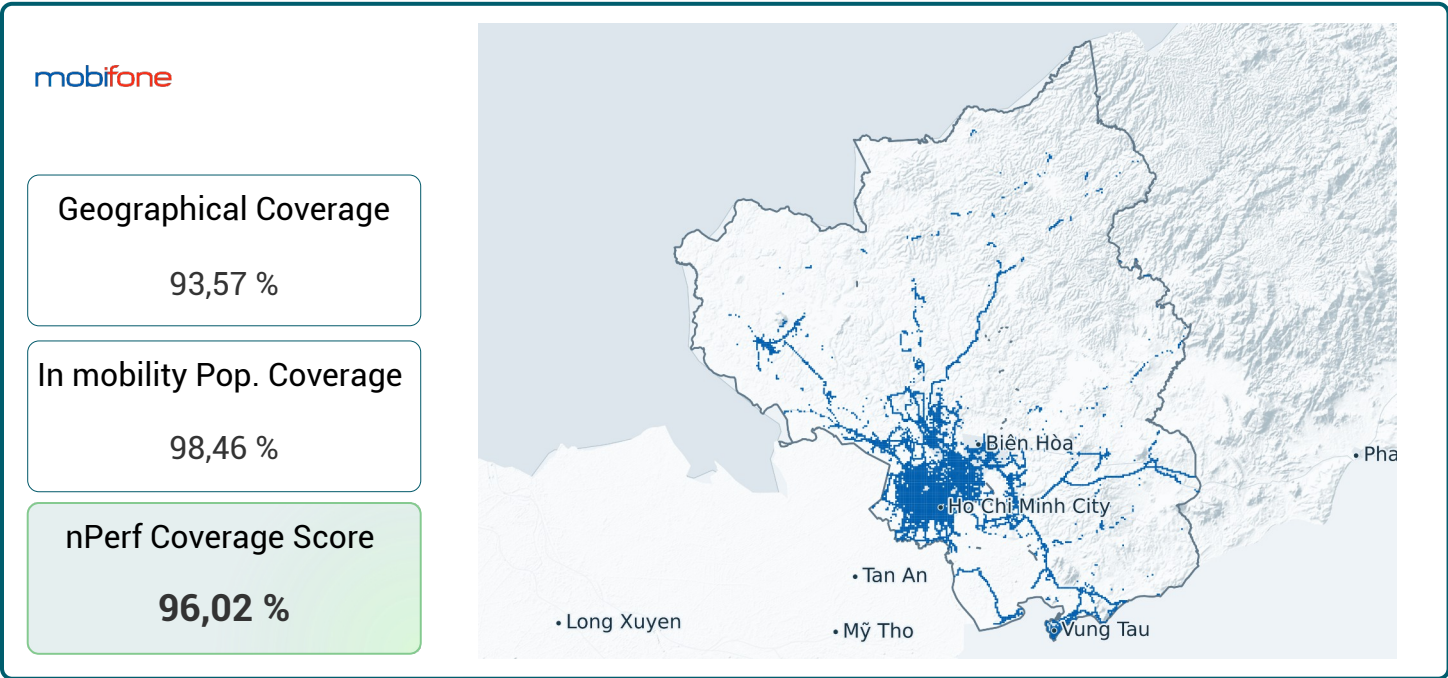
98,48 %

nPerf Coverage Score

97,17 %



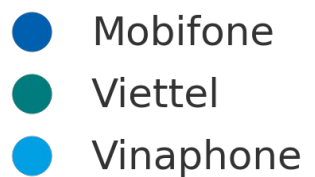
4G coverage — Southeast



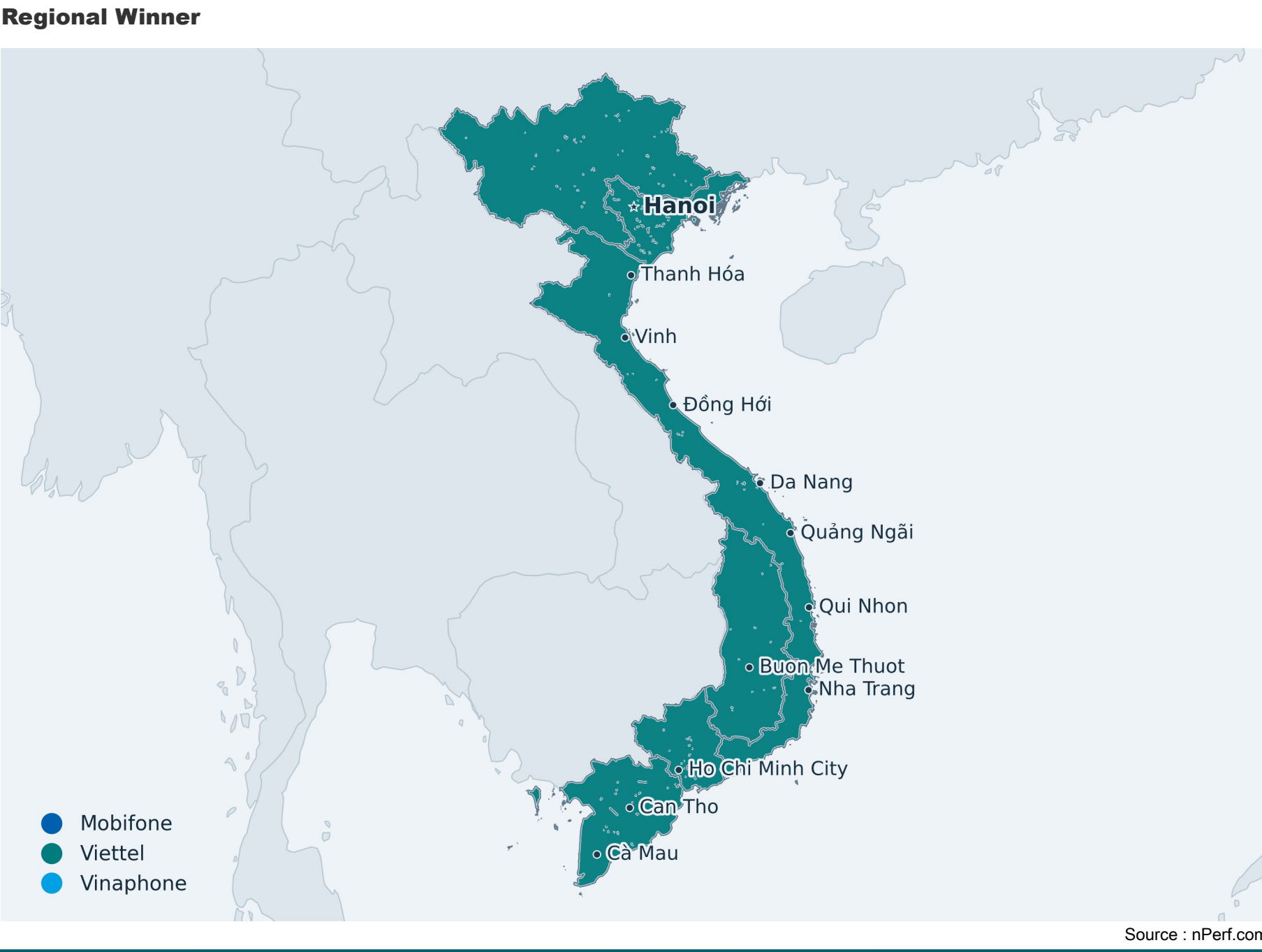
8. Regional 5G coverage: Methodology



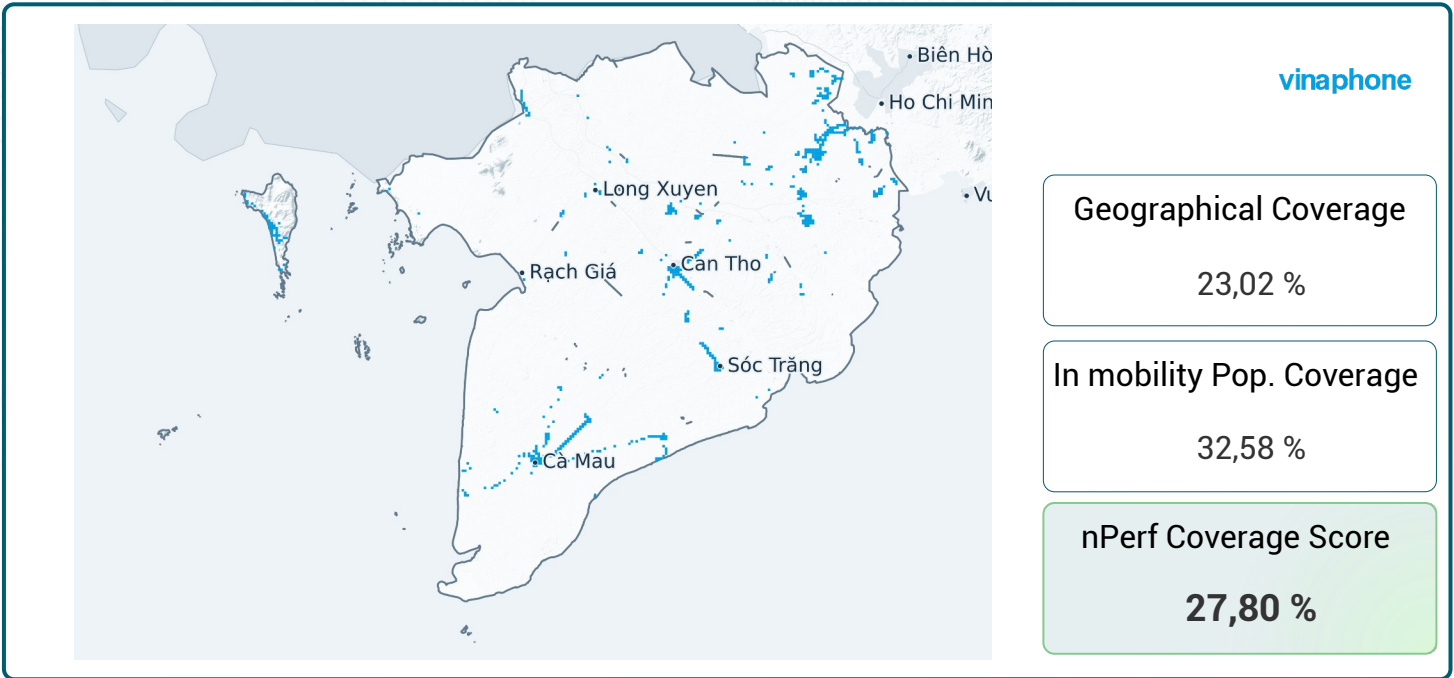
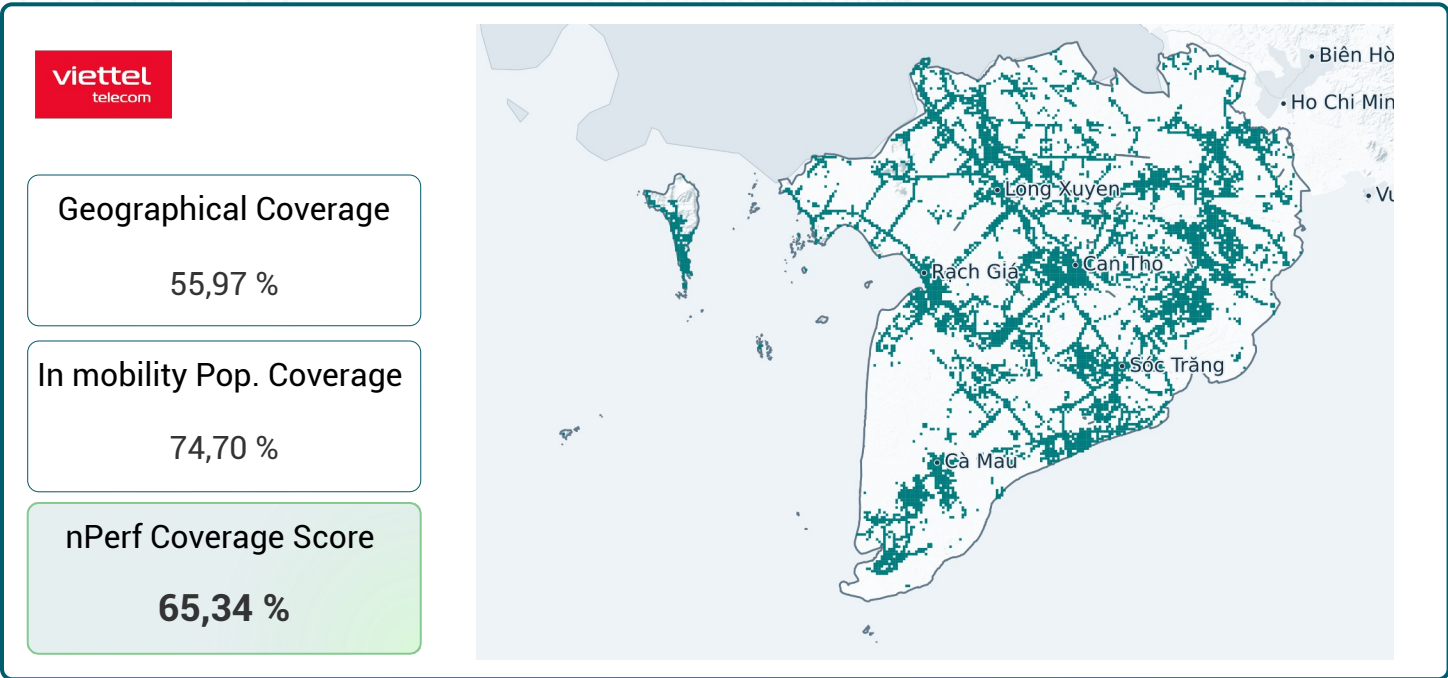
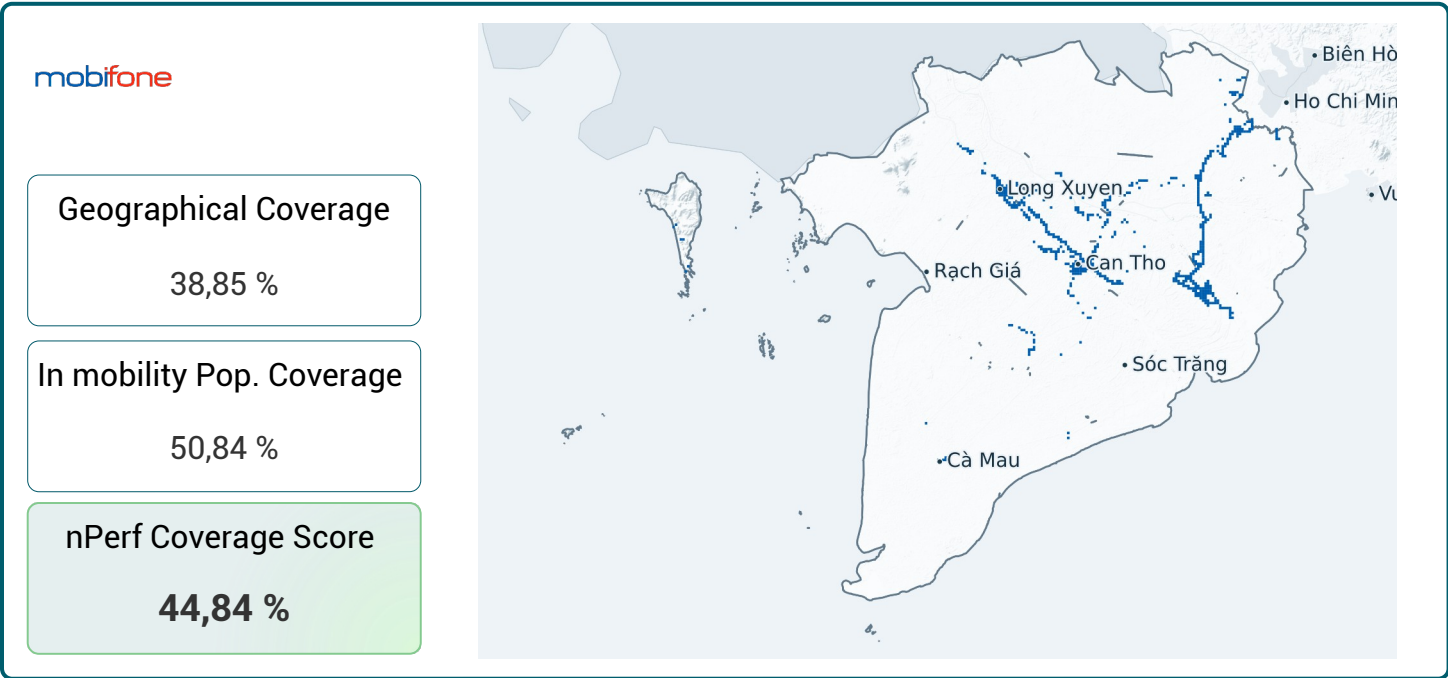
Regions	Measurements	Device count	Measurements per operator
Mekong River Delta	703 422	29 042	93%
Southeast	611 205	26 374	71% 15% 14%
Red River Delta	533 171	18 153	83% 7% 9%
North Central and Central Coast	453 593	17 708	84% 12%
Northern Midlands and Mountains	153 404	6 403	94%
Central Highlands	144 094	5 107	94%



Regional 5G coverage



5G coverage — Mekong River Delta



5G coverage — Red River Delta



Geographical Coverage

23,74 %

In mobility Pop. Coverage

45,49 %

nPerf Coverage Score

34,62 %



Geographical Coverage

62,28 %

In mobility Pop. Coverage

82,33 %



Geographical Coverage

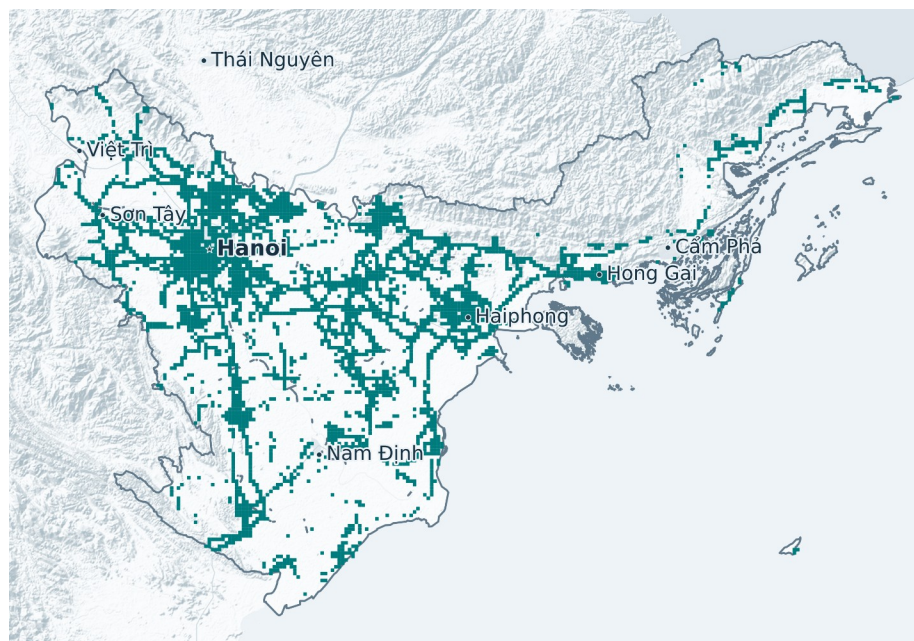
62,28 %

In mobility Pop. Coverage

82,33 %

nPerf Coverage Score

72,31 %



The figure consists of a map of Hanoi and its surrounding regions, including Thai Nguyen, Viet Tri, Son Tay, Haiphong, and Nam Dinh. The map displays two types of coverage data: geographical coverage, represented by blue dots, and population coverage, represented by yellow dots. The geographical coverage is concentrated in the central and northern parts of the map, while the population coverage is more widespread, covering a larger area of the region. The map also shows major roads and geographical features like rivers and mountains.

Coverage Type	Value
Geographical Coverage	39,13 %
In mobility Pop. Coverage	57,96 %
nPerf Coverage Score	48,54 %

Geographical Coverage

39,13 %

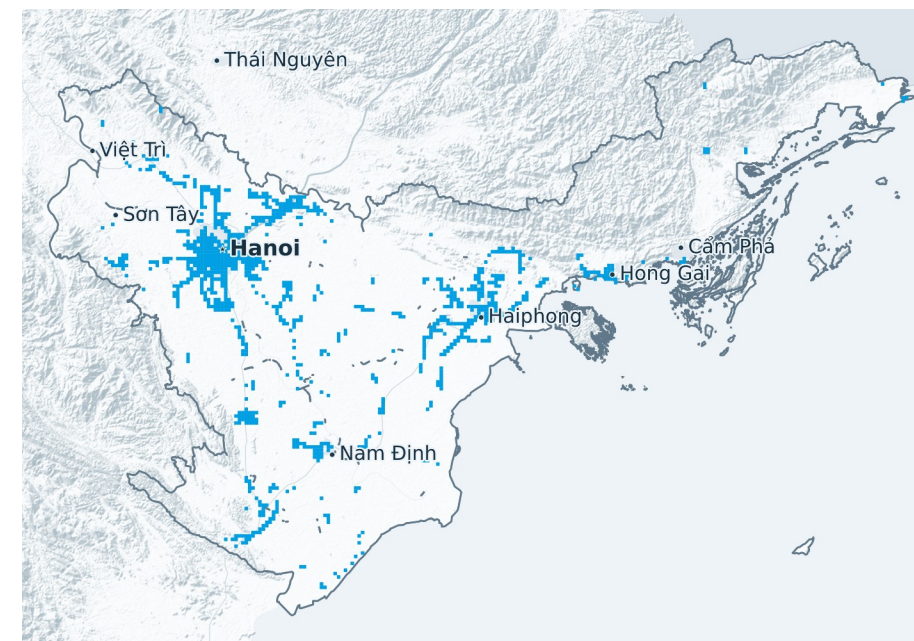
In mobility Pop. Coverage

57,96 %

nPerf Coverage Score

48,54 %

25 - 08/31/2026 - Vietnam



5G coverage — Southeast

