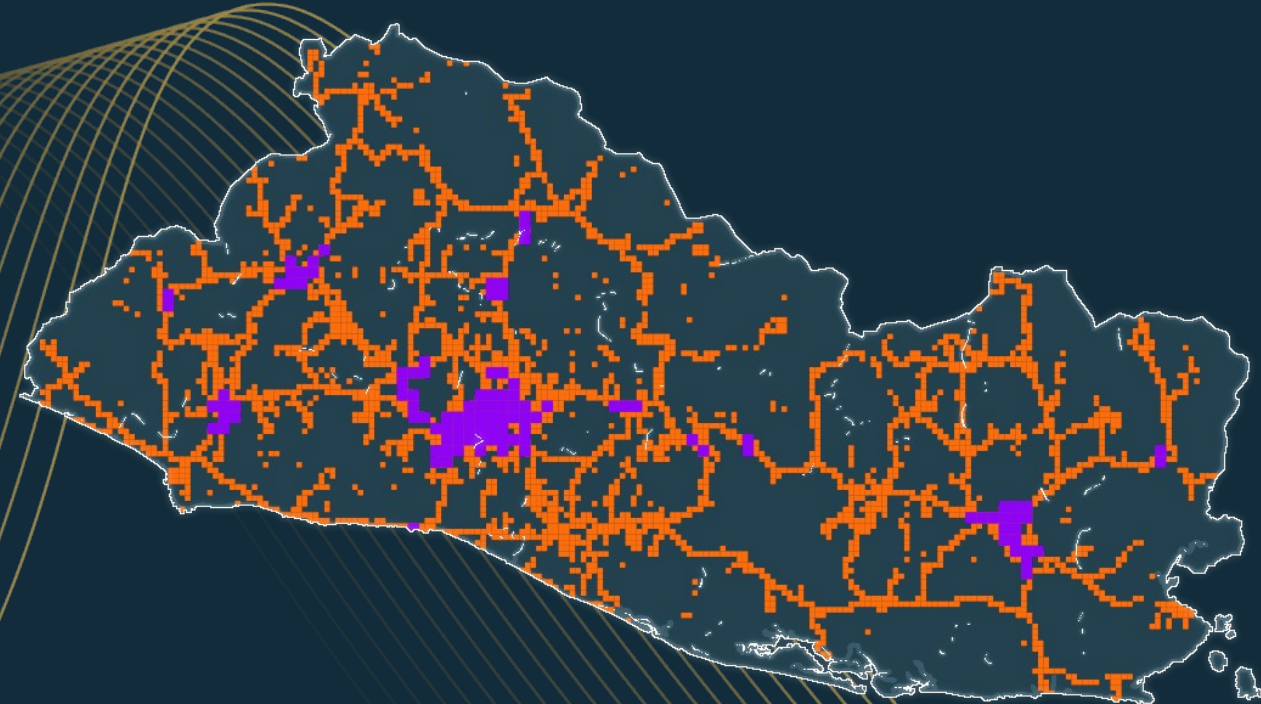




Barometer of mobile coverage in El Salvador

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.

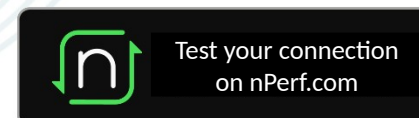
 **26Md+** coverage
scans in total.

 **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 Tigo enjoyed the best 4G coverage in 2026 in El Salvador.

Mobile coverage rate in El Salvador

	Claro	Digicel	Movistar	<u>Tigo</u>
Geographical Coverage Rate	90.56	58.65	66.49	92.52
Population Coverage Rate	97.51	77.54	81.07	98.21
nPerf Coverage Score	94.03	68.10	73.78	95.37

Source : nPerf.com



Best Mobile coverage in El Salvador



Source : nPerf.com

nPerf Podium



Source : nPerf.com

4. National 4G coverage maps

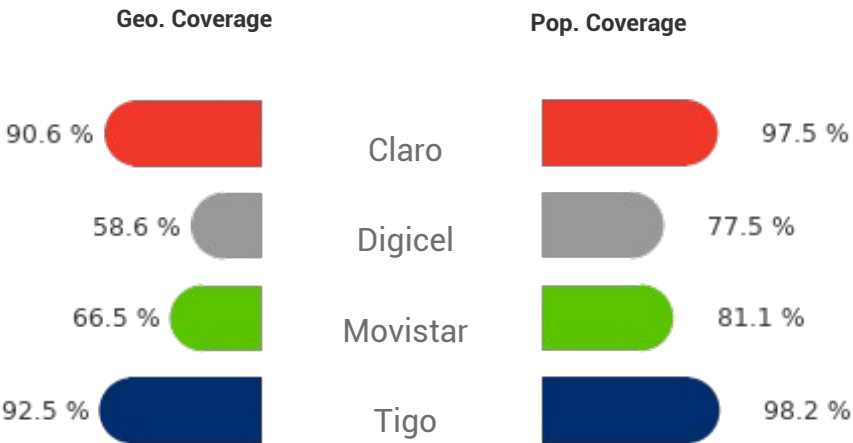


nPerf Coverage Score



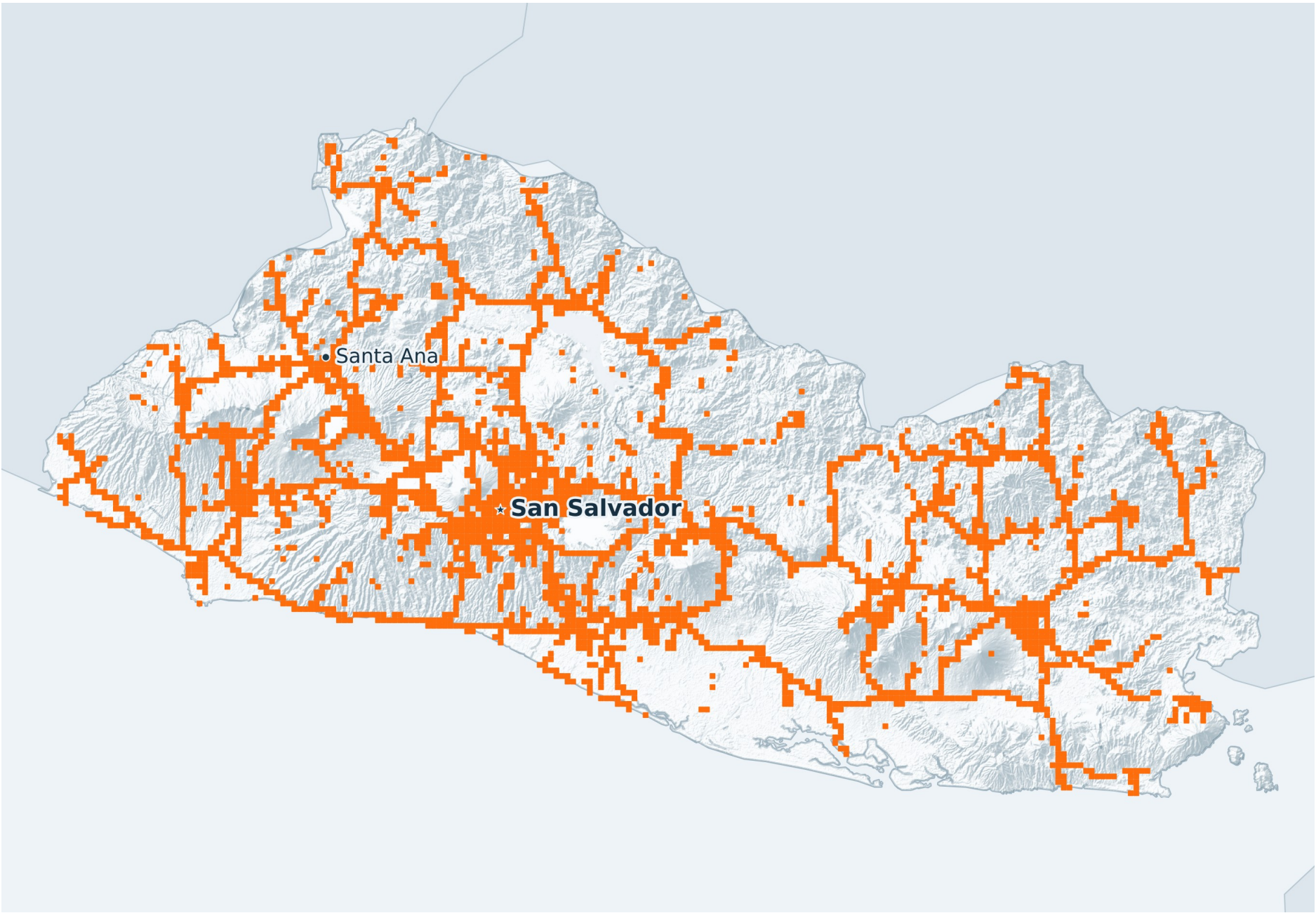
Source : nPerf.com

Coverage Indicators



Source : nPerf.com

National Coverage

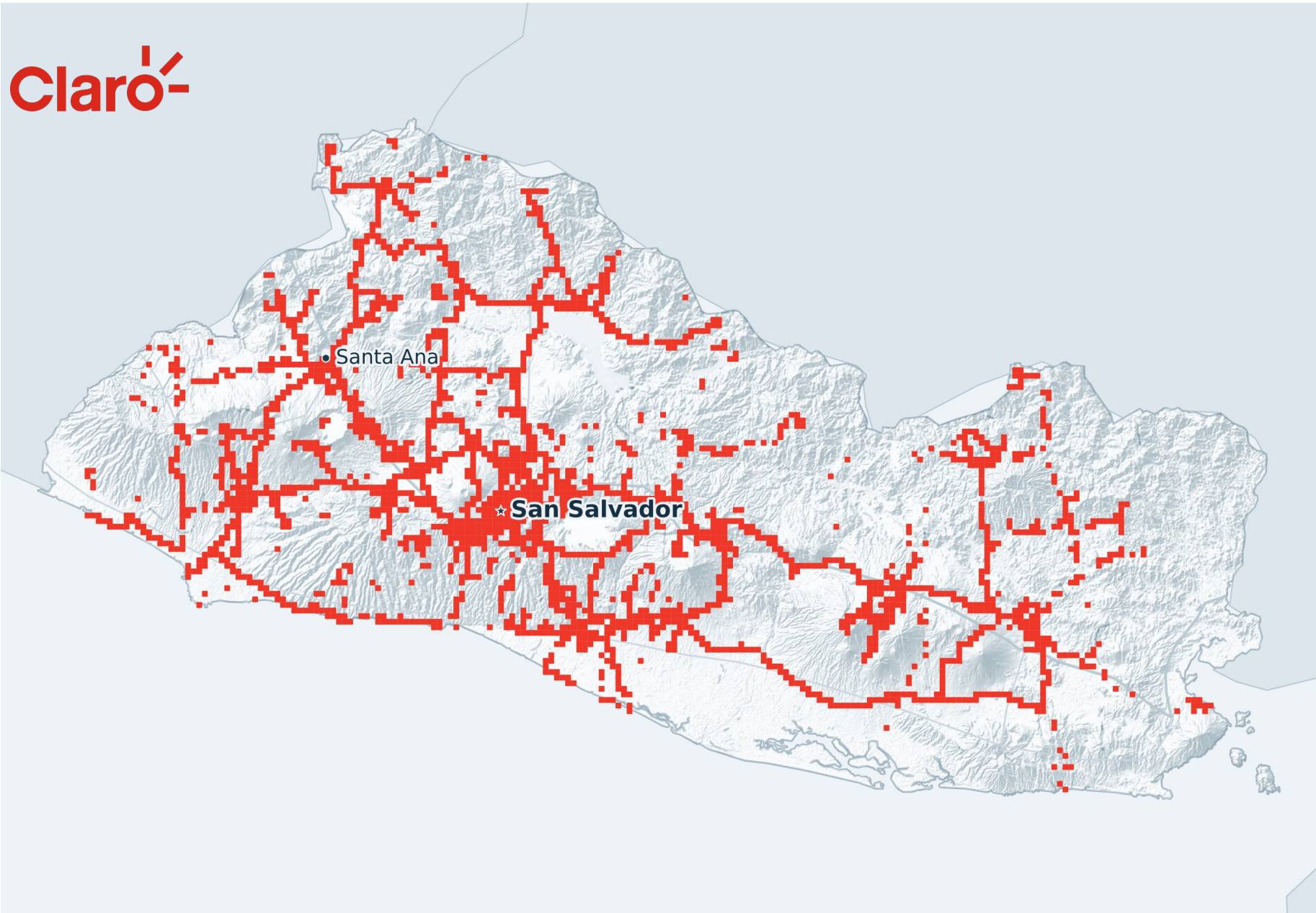


Claro

Geographical Coverage Rate (%) 90.56

Population Coverage Rate (%) 97.51

nPerf Coverage Score (%) 94.03



National 4G coverage maps for Digicel



Digicel

Geographical Coverage Rate (%) 58.65

Population Coverage Rate (%) 77.54

nPerf Coverage Score (%) 68.10

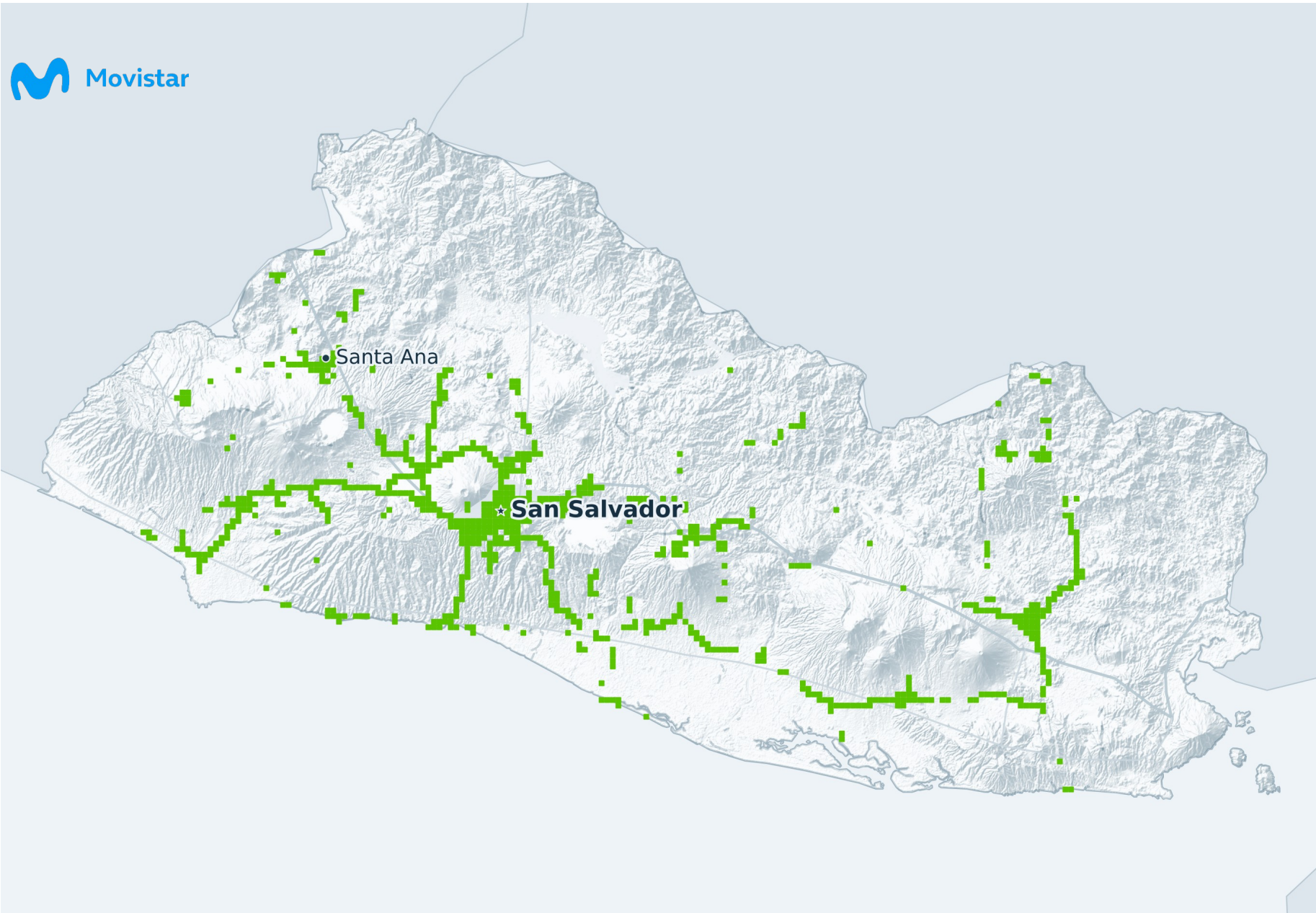


Movistar

Geographical Coverage Rate (%) 66.49

Population Coverage Rate (%) 81.07

nPerf Coverage Score (%) 73.78

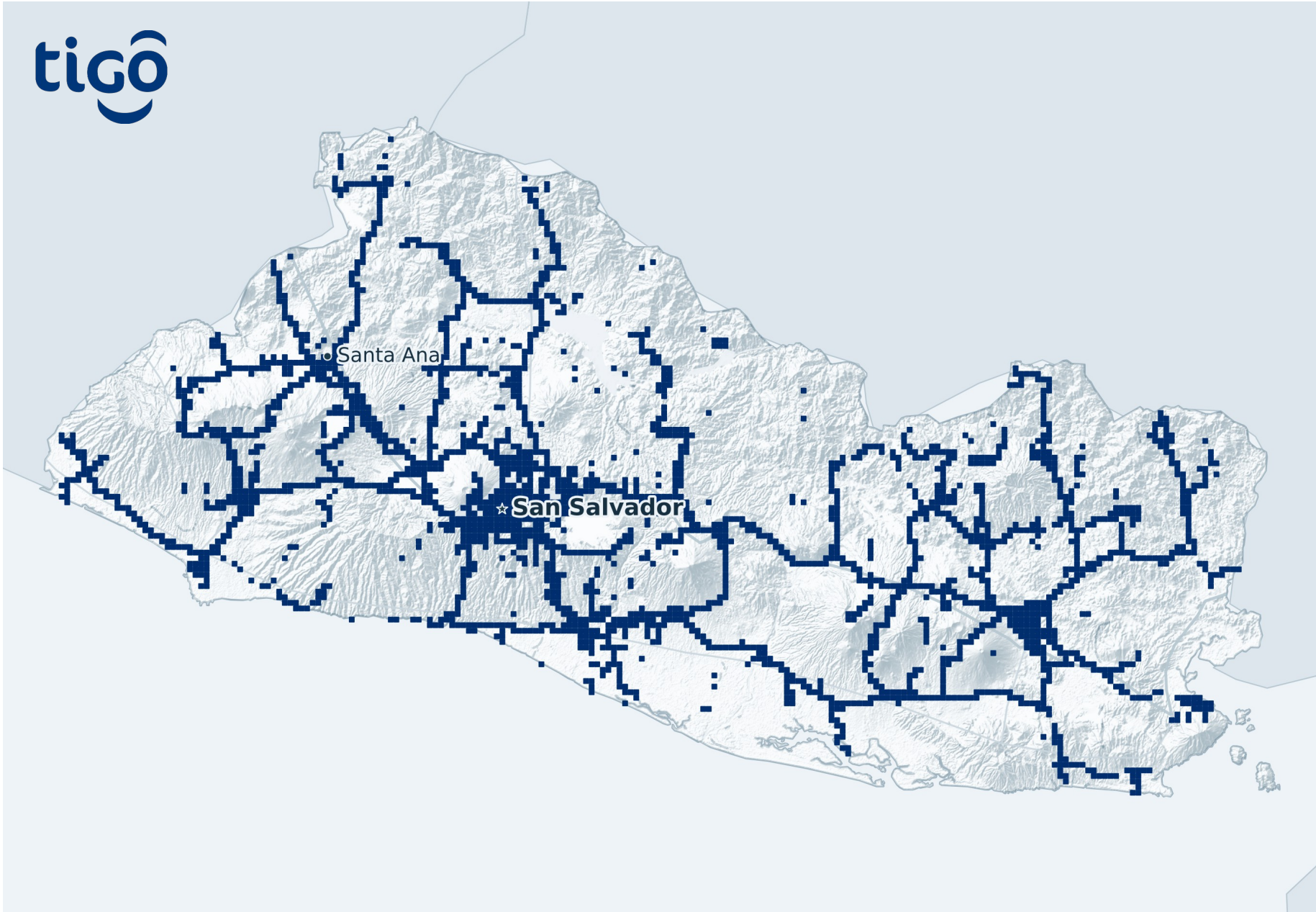


Tigo

Geographical Coverage Rate (%) 92.52

Population Coverage Rate (%) 98.21

nPerf Coverage Score (%) 95.37



5. Executive Summary 5G



The subscribers of Tigo enjoyed the best 5G coverage in 2026 in El Salvador.

Mobile coverage rate in El Salvador

Tigo

Geographical
Coverage Rate

13.36

Population Coverage
Rate

33.99

nPerf Coverage
Score

23.68

Source : nPerf.com



Best Mobile coverage in El
Salvador



Source : nPerf.com

nPerf Podium



Source : nPerf.com

6. National 5G coverage maps



nPerf Coverage Score



Source : nPerf.com

Coverage Indicators

Geo. Coverage

13.4 %



Pop. Coverage

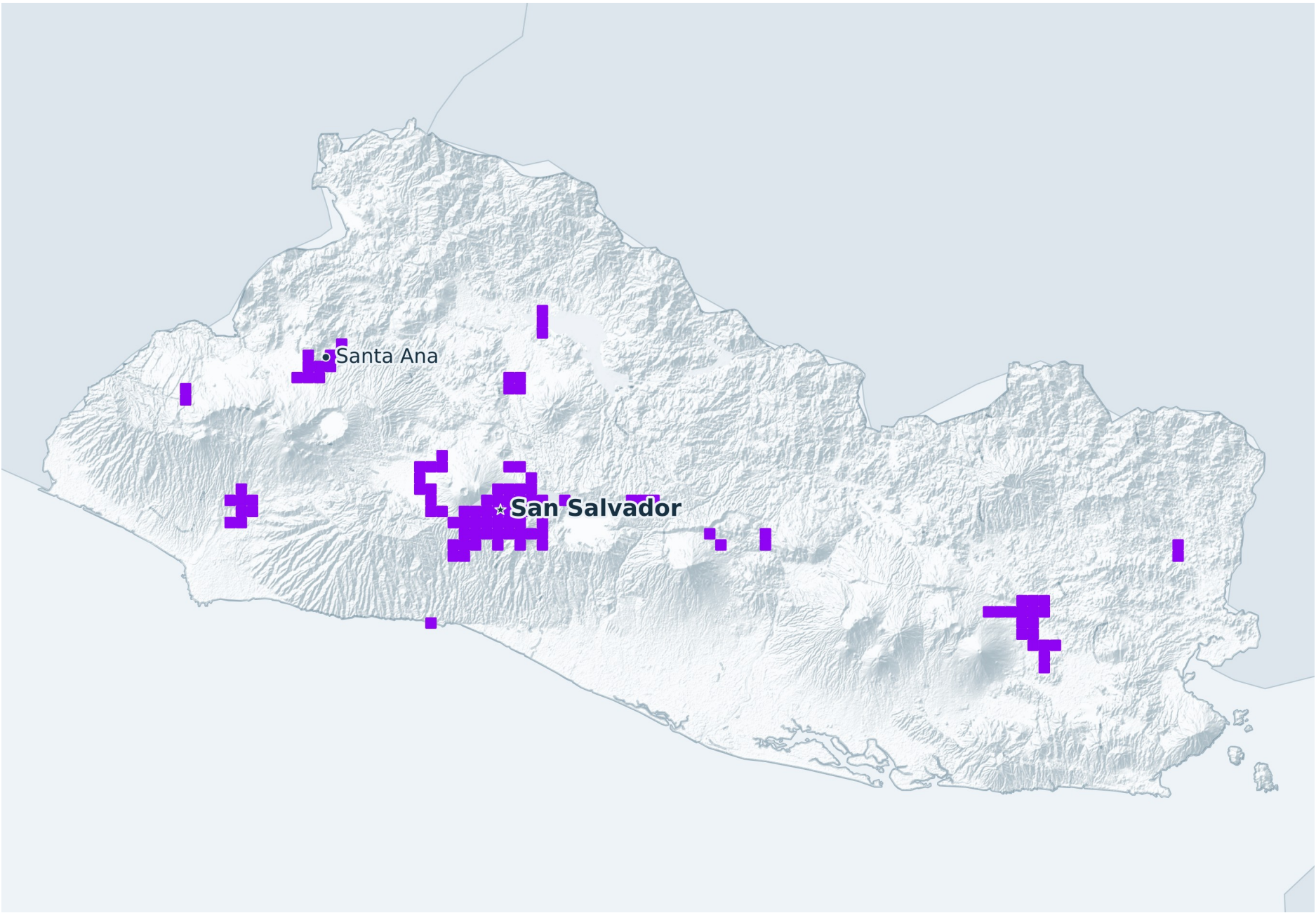
Tigo



34.0 %

Source : nPerf.com

National Coverage

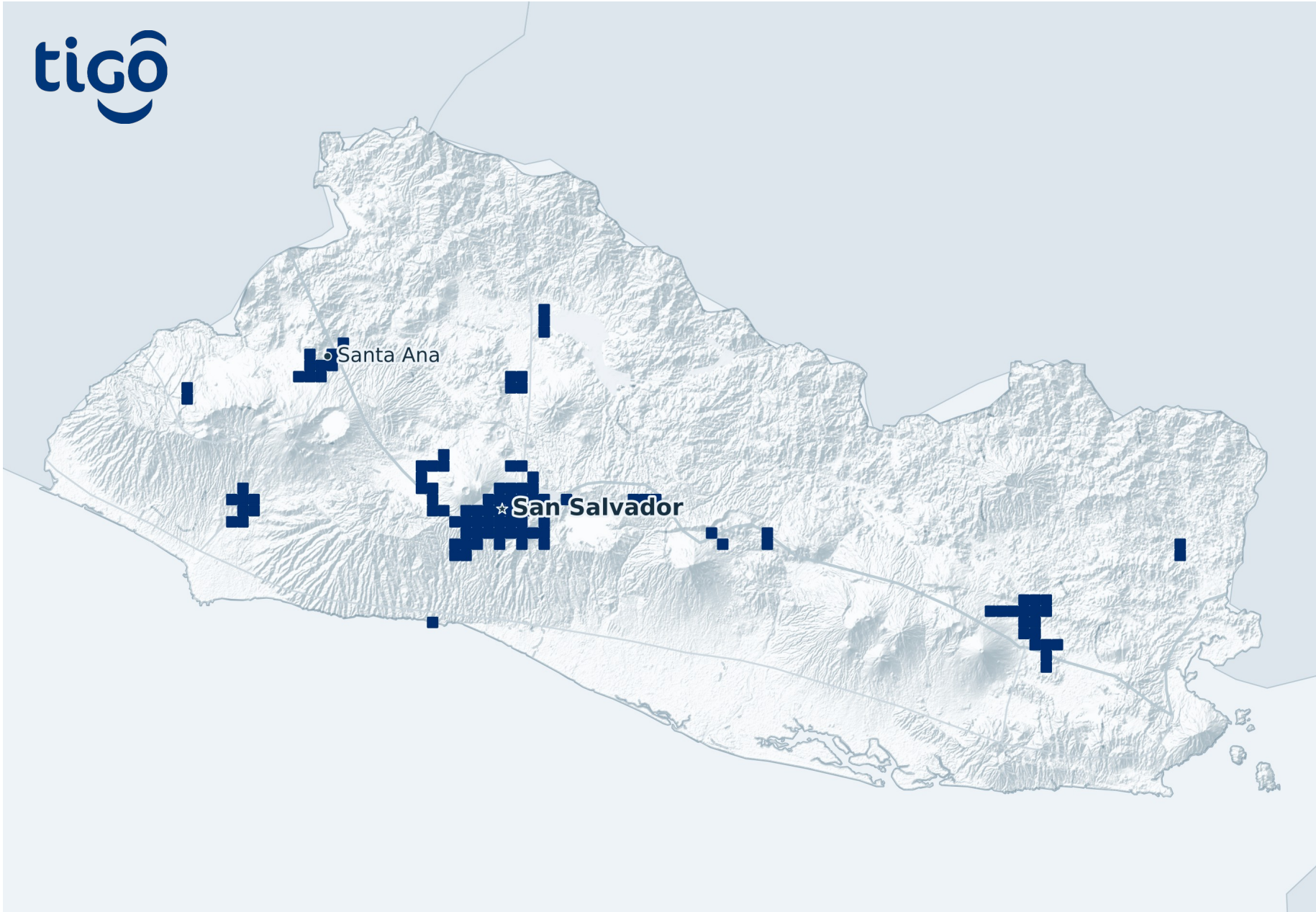


Tigo

Geographical Coverage Rate (%) 13.36

Population Coverage Rate (%) 33.99

nPerf Coverage Score (%) 23.68



7. Regional 4G coverage: Methodology



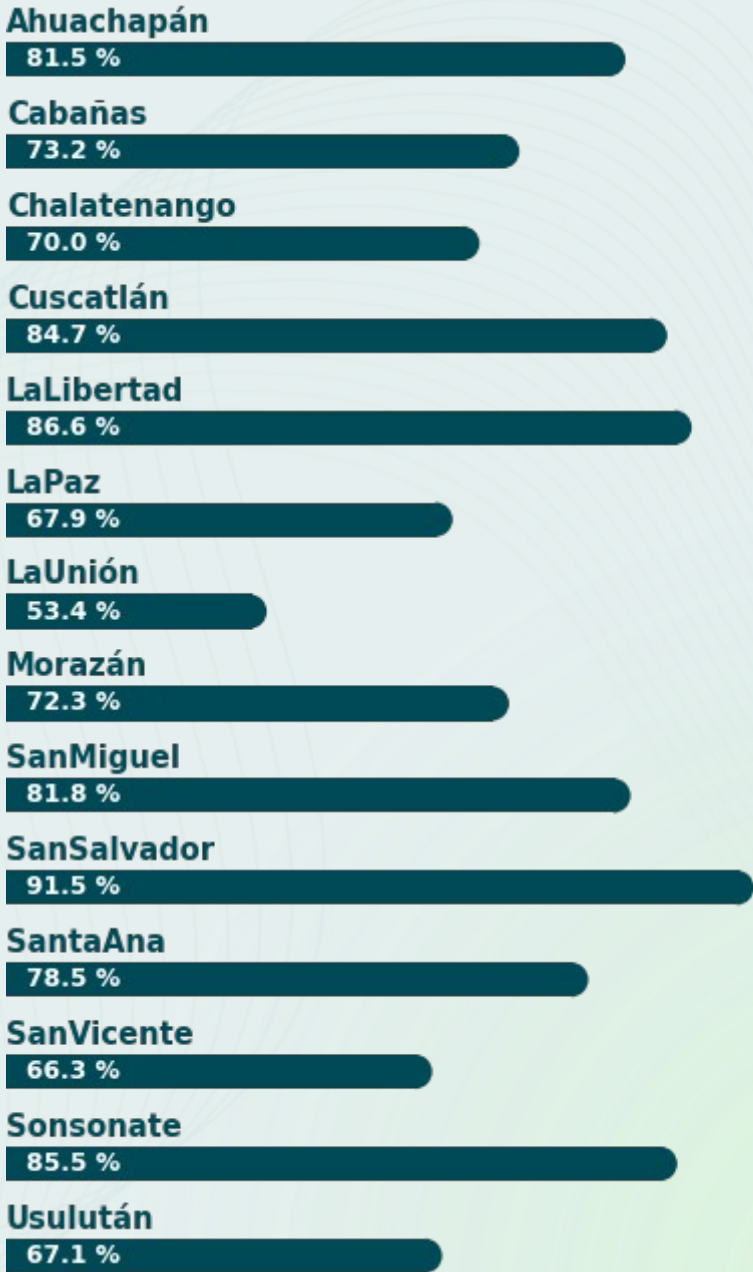
Regions	Measurements	Device count	Measurements per operator
SanSalvador	495 085	9 249	59% 30% 8%
LaLibertad	218 468	5 092	45% 38% 10% 7%
SantaAna	107 363	2 613	39% 55%
LaPaz	81 576	1 998	42% 54%
SanMiguel	69 287	2 217	74% 18%
Sonsonate	67 378	1 873	59% 25% 8% 7%
SanVicente	48 598	1 471	62% 33%
Ahuachapán	47 872	533	94%
Usulután	41 050	1 293	68% 27%
Cuscatlán	34 825	943	38% 58%
Chalatenango	20 718	703	38% 62%
Morazán	20 206	814	70% 16% 12%
LaUnión	11 510	363	85% 15%
Cabañas	2 881	179	66% 26%



Regional 4G coverage

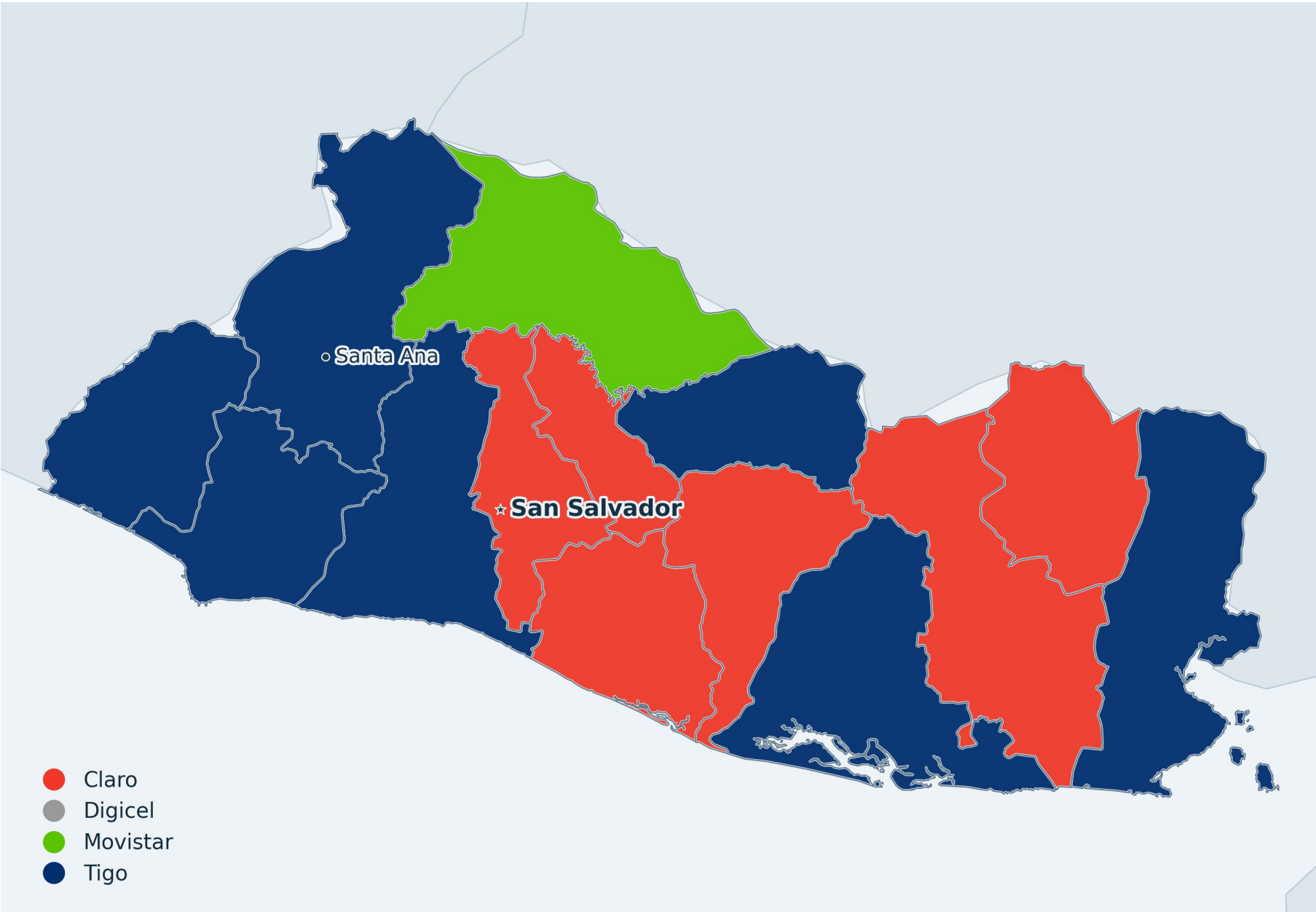


nPerf Coverage Score



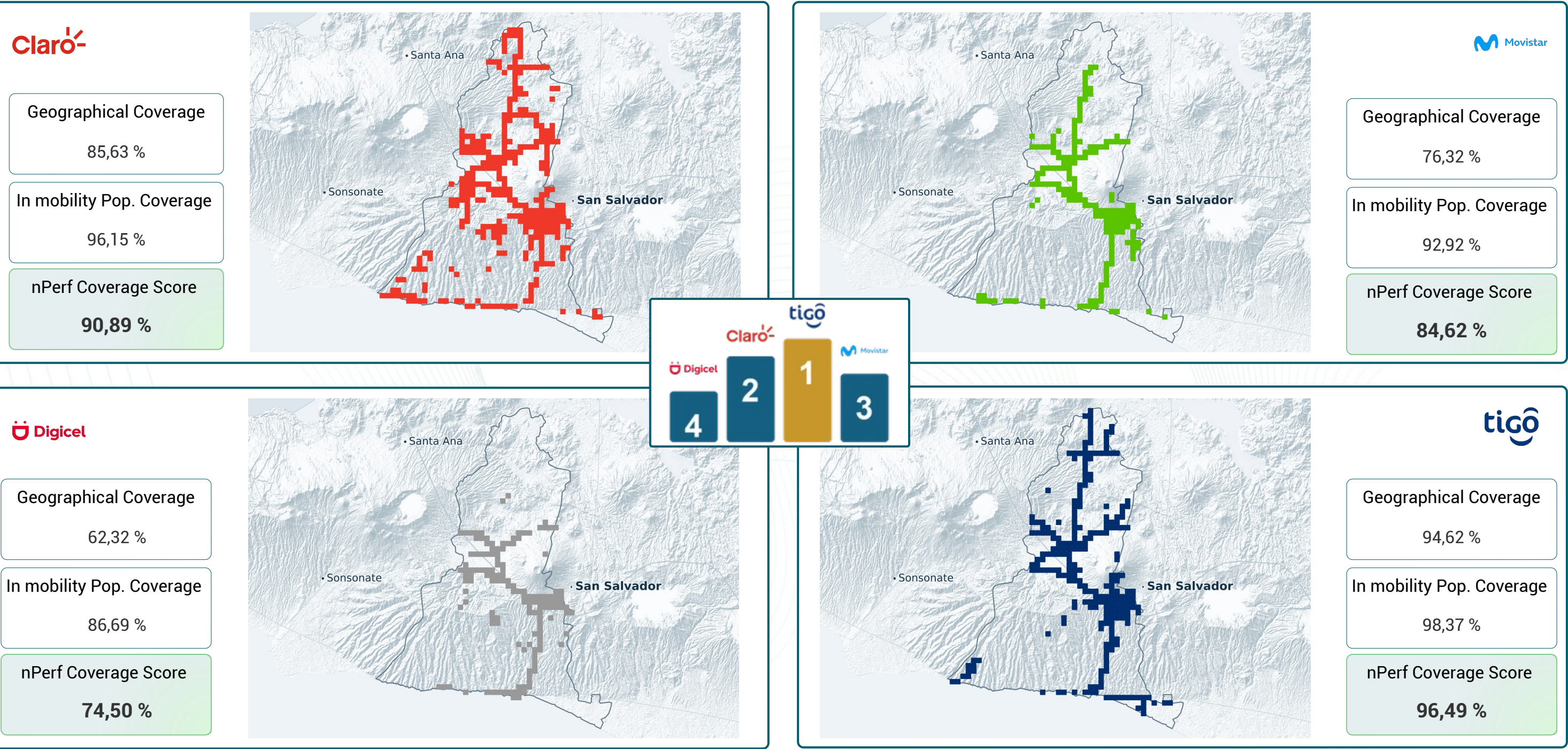
Source : nPerf.com

Regional Winner

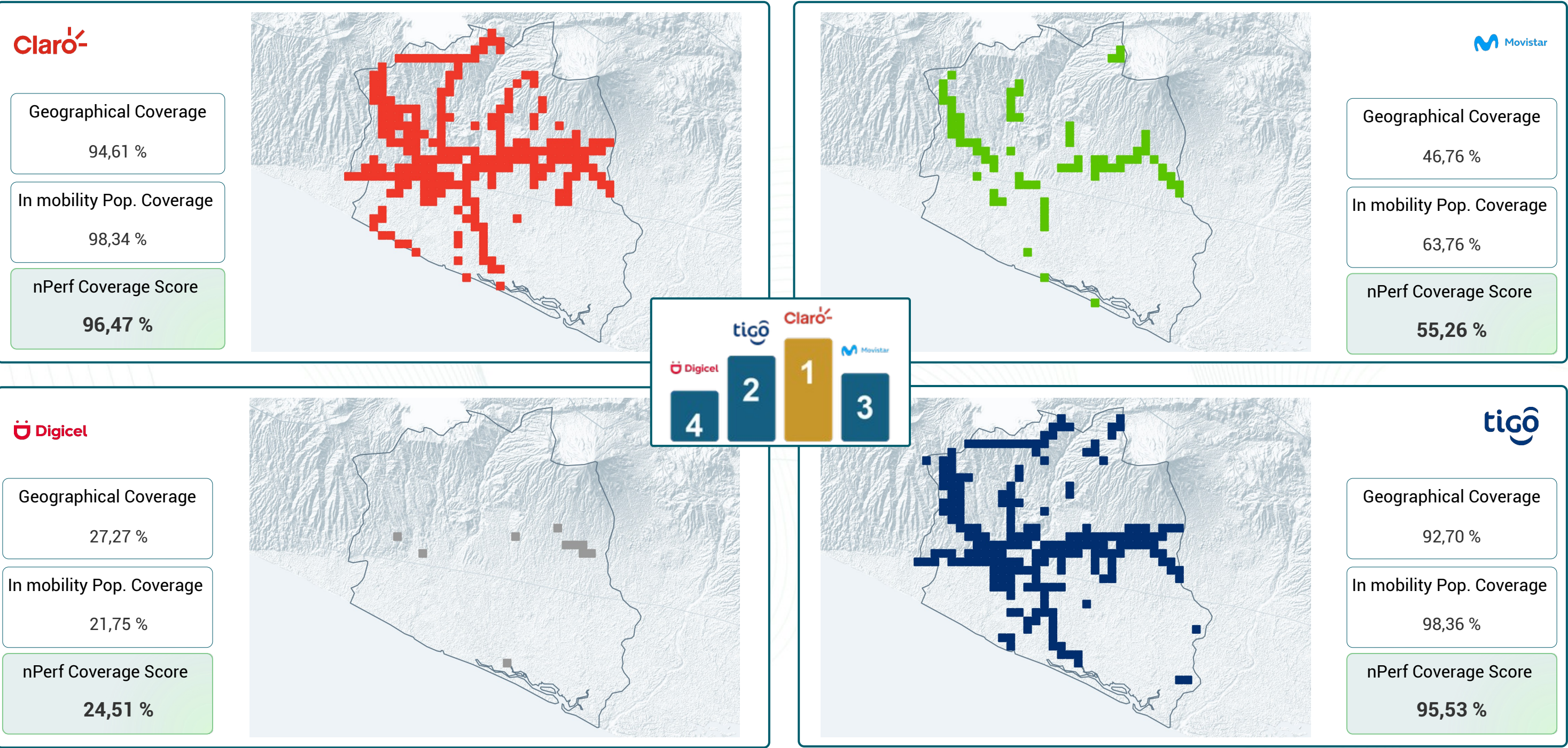


Source : nPerf.com

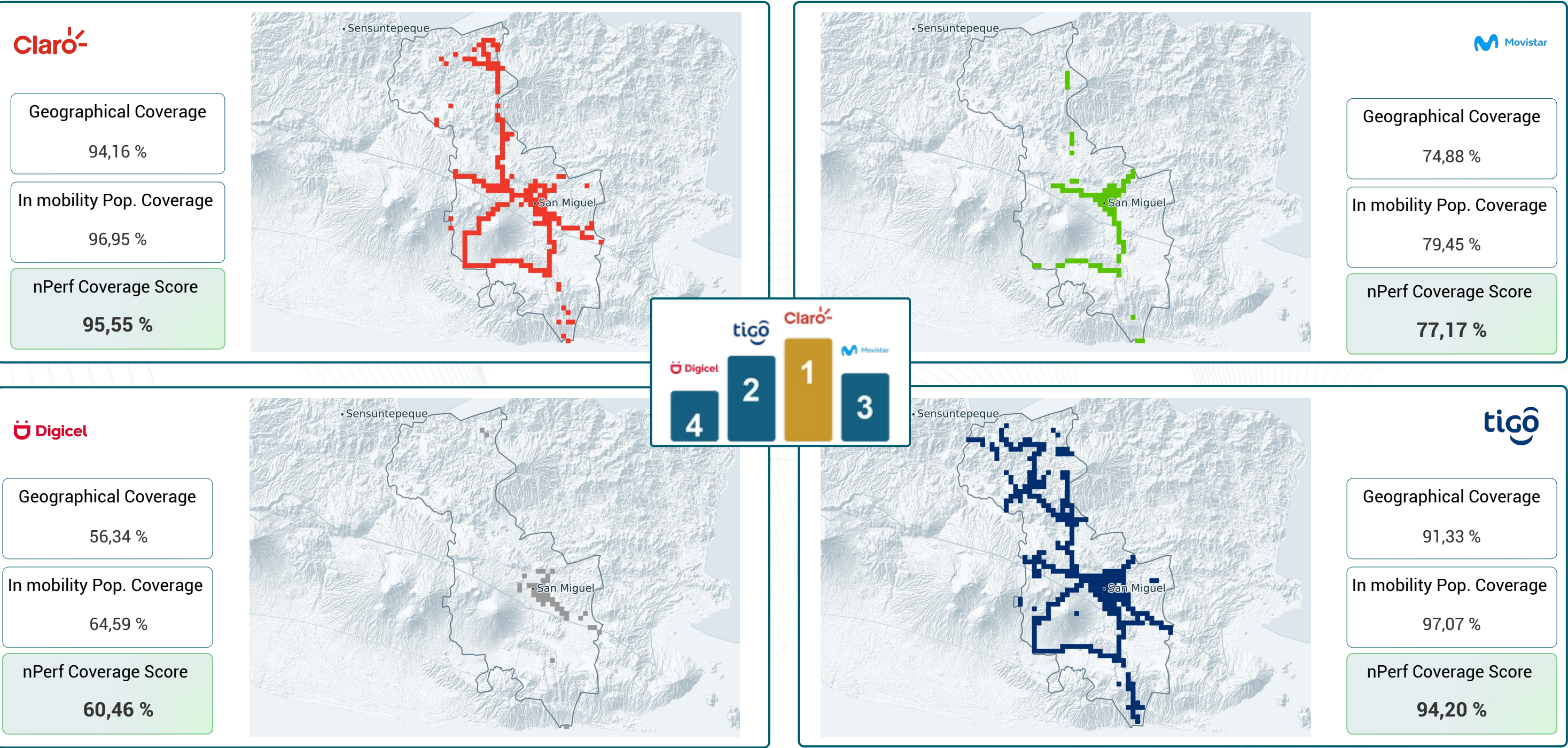
4G coverage — LaLibertad



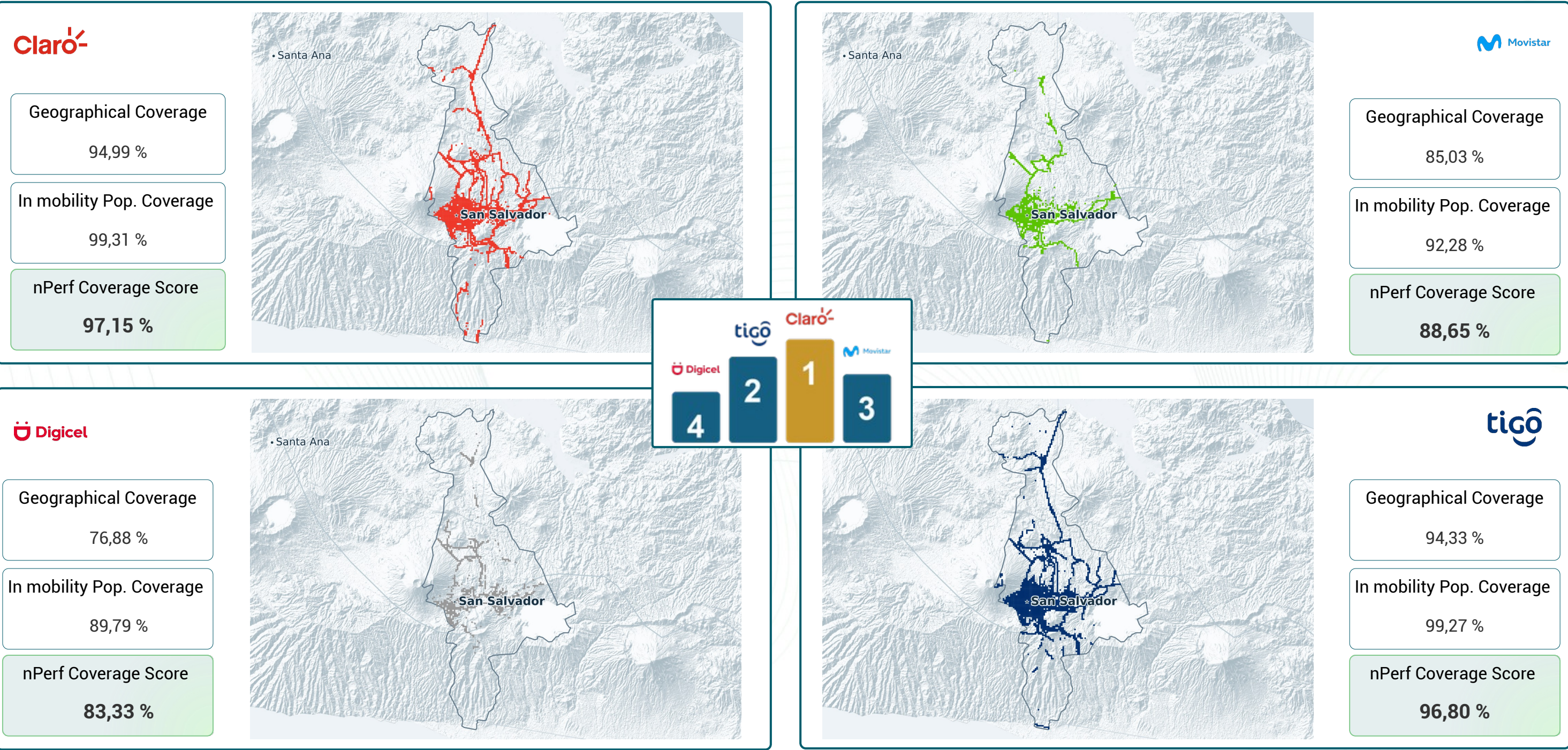
4G coverage — LaPaz



4G coverage — SanMiguel



4G coverage — SanSalvador



4G coverage — SanVicente



Geographical Coverage

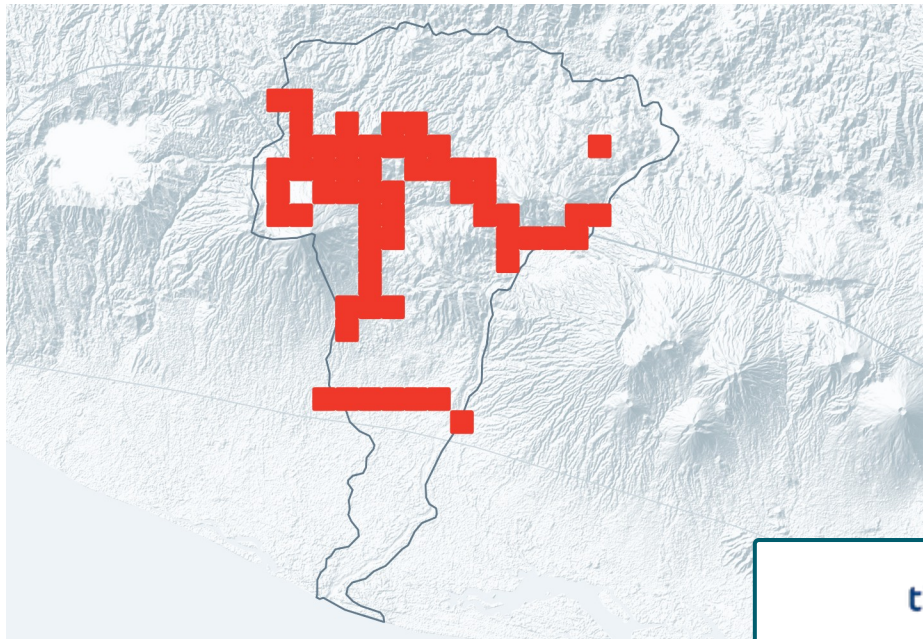
97,78 %

In mobility Pop. Coverage

99,34 %

nPerf Coverage Score

98,56 %



Geographical Coverage

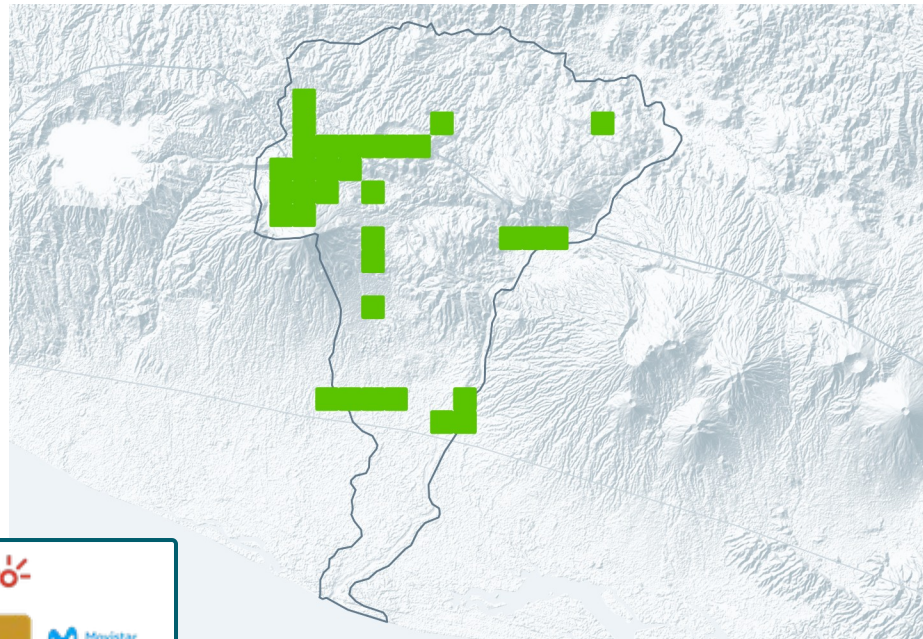
47,49 %

In mobility Pop. Coverage

46,42 %

nPerf Coverage Score

46,95 %



Geographical Coverage

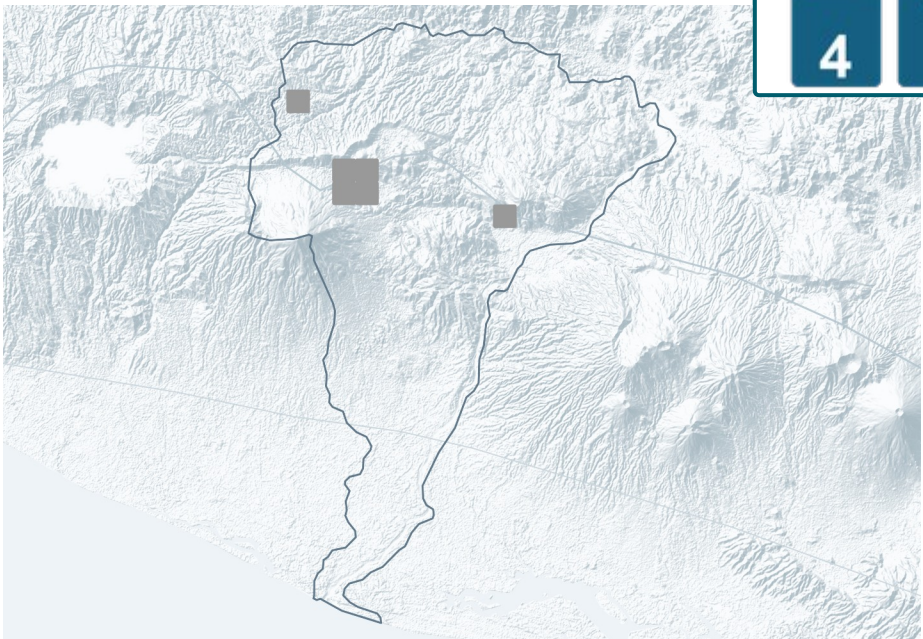
24,10 %

In mobility Pop. Coverage

21,52 %

nPerf Coverage Score

22,81 %



Geographical Coverage

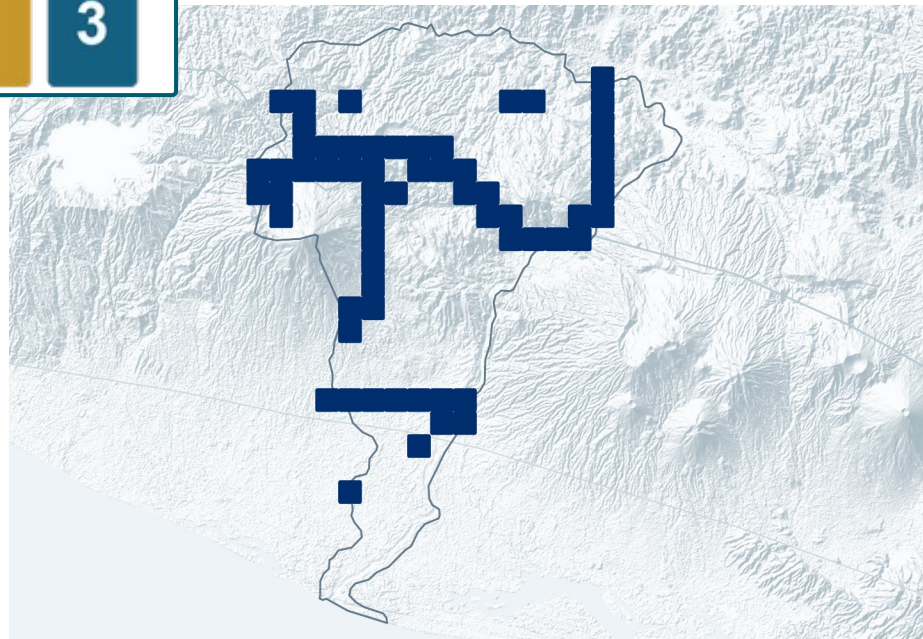
95,31 %

In mobility Pop. Coverage

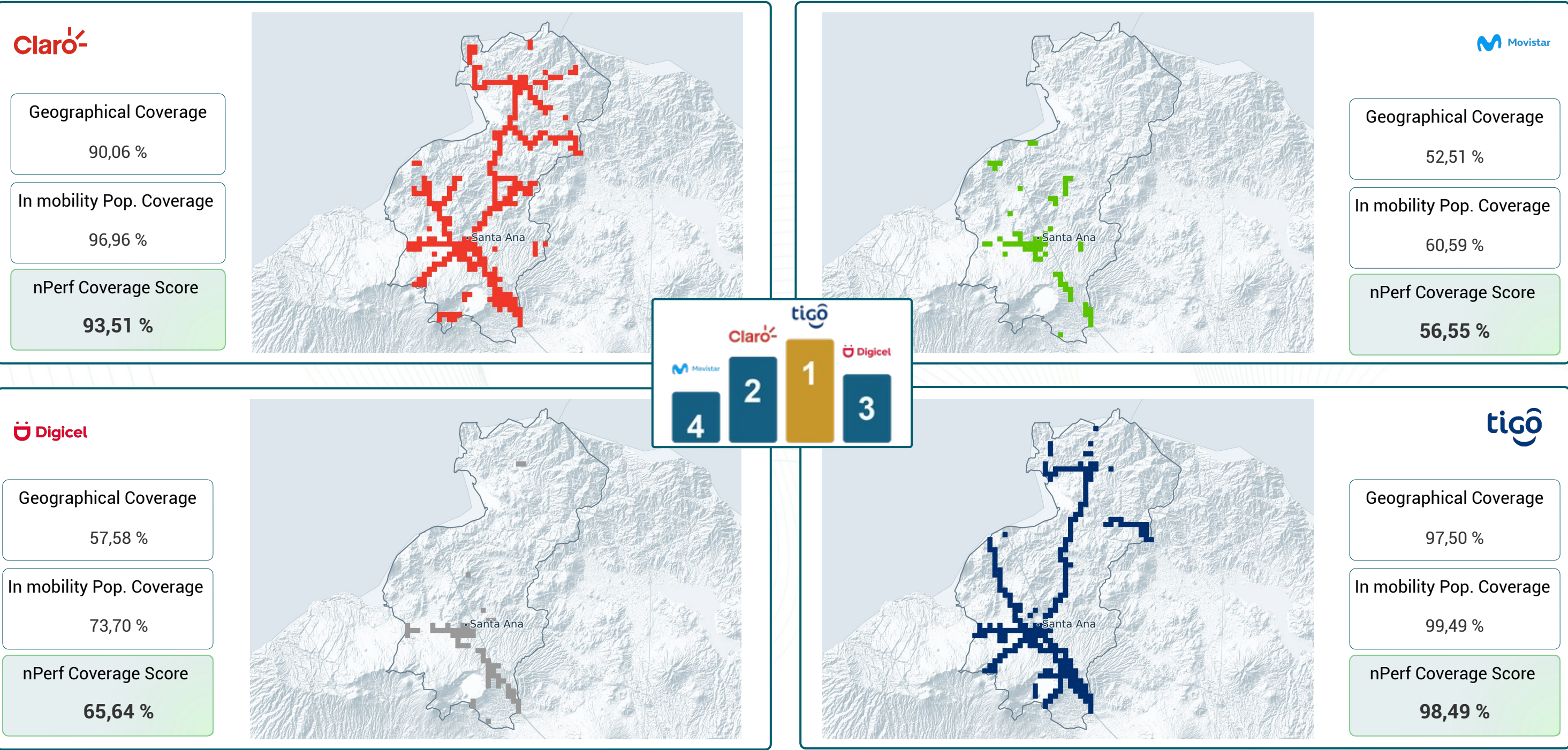
98,82 %

nPerf Coverage Score

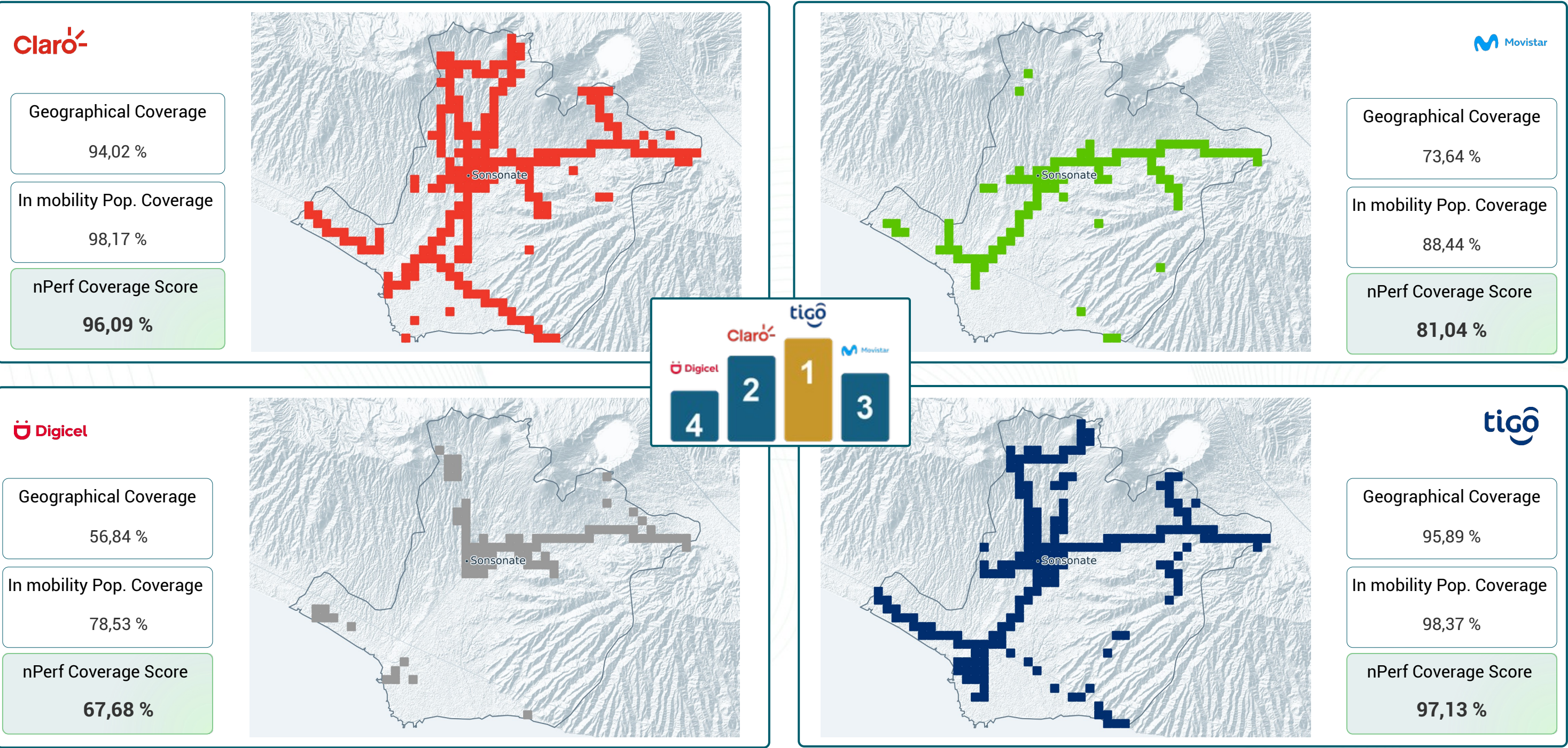
97,07 %



4G coverage — SantaAna



4G coverage — Sonsonate



8. Regional 5G coverage: Methodology



Regions	Measurements	Device count	Measurements per operator
SanSalvador	47 441	815	100%
LaLibertad	17 568	342	100%
SantaAna	2 650	72	100%
SanMiguel	1 860	141	100%
Sonsonate	1 319	44	100%
Cuscatlán	566	34	100%
SanVicente	340	18	100%
Ahuachapán	117	5	100%
Chalatenango	114	8	100%
LaUnión	10	4	100%
Cabañas	0	0	
LaPaz	0	0	
Morazán	0	0	
Usulután	0	0	



Regional 5G coverage



nPerf Coverage Score

Ahuachapán

3.5 %

Chalatenango

8.5 %

Cuscatlán

17.6 %

LaLibertad

38.9 %

LaUnión

9.0 %

SanMiguel

19.5 %

SanSalvador

47.1 %

SantaAna

17.5 %

SanVicente

6.6 %

Sonsonate

20.0 %

Source : nPerf.com

Regional Winner



Source : nPerf.com

