

Ookla's Coverage Metrics describe the user's mobile experience with their cellular network. Coverage Score™ incorporates a measure of each provider's service and footprint within the country. See next page for more detail.

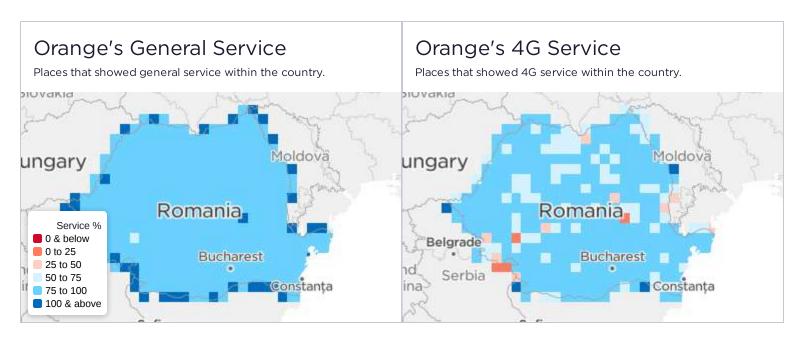
Scan Counts



653
Coverage

Coverage Score					
Orange	653				
DIGI	601				
Vodafone	556				
Telekom Romania	469				

Orange	39,300,335
DIGI	32,324,208
Vodafone	32,921,405
Telekom Romania	15,248,856



## **Coverage Statistics**

154,861,068

411,523

Total Locations Observed Loca

409,934

with Service Locations w

215,228

Carrier	Total Locations Observed	General Service	4G Service
Orange	276,315	275,823	260,563
Vodafone	242,265	241,748	214,542
Telekom Romania	203,870	202,428	184,602
DIGI	254,006	253,197	241,303

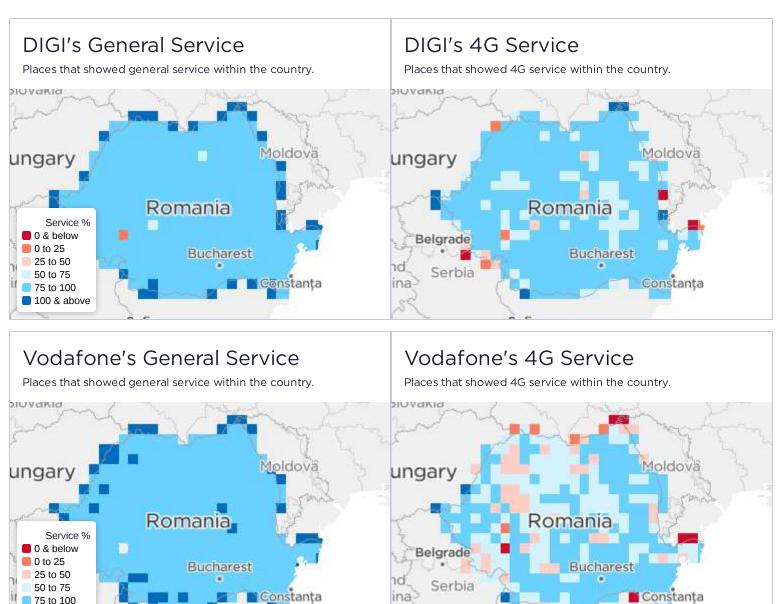
## How Coverage Score Works

Ookla's Coverage Score captures both the number of locations in which an operator offers service (its footprint) and the quality of service in each location. Metrics are calculated using locations where coverage scans were contributed by Android Speedtest users. A location is an area that is equivalent to approximately 100 x 100m (about the size of a New York City block). To minimize the impact of misconfigured or underperforming devices, we require coverage scans from at least two devices at each location.

These features are determined using data from coverage scans, which capture the real-time network conditions of Android Speedtest users across the globe. An operator's footprint is the fraction of locations within a given market where a device has access to service. Each location is assigned a score based equally on the general and 4G service. For example, if a provider offered non-4G service in a location, that location would receive a score of 1/2. The overall Coverage Score for an operator is its footprint multiplied by the average quality score across its observed locations. Further, a multiplier is applied to the Coverage Score so that it is scaled from 0 to 1000 to avoid confusion that it could represent the percentage of an area or population with coverage.

## Coverage Maps

100 & above



## Coverage Maps

