



Orange is Romania's Speedtest Awards™ Winner for mobile network speed during Q1–Q2 2021

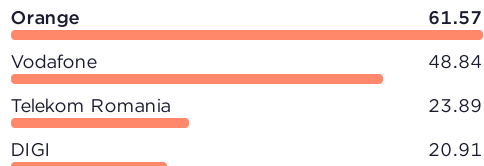
61.57

Speed Score™

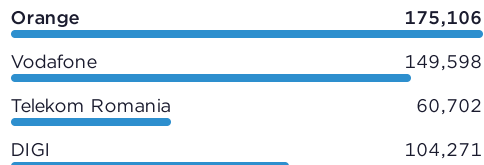
45.09  
Median Speed Mbps

13.73  
Median Speed Mbps

Speed Score™

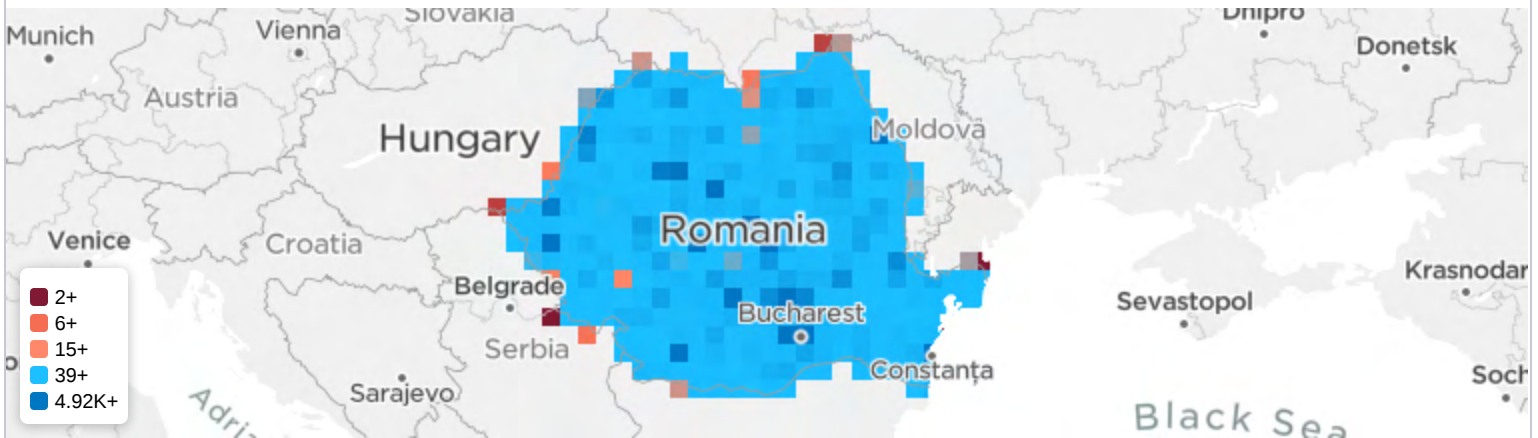


Test Counts



### Tests Taken

Ookla® compared 490,297 user-initiated tests taken on the Speedtest iOS and Android mobile apps from all the major mobile carriers in Romania during the award period to determine who showed the fastest mobile network speeds.



### Market Statistics

Unique Devices

110,360

iPhone 12 Pro Max 5G	3,522
iPhone 11	3,112
iPhone 12 Pro 5G	2,599
Galaxy S10+	2,465
iPhone 11 Pro	2,384

Median Download Speed

29.86 Mbps

Orange	45.09
Vodafone	34.89
Telekom Romania	19.00
DIGI	18.36

Median Upload Speed

9.36 Mbps

Orange	13.73
Vodafone	11.41
Telekom Romania	8.13
DIGI	3.54

Median Latency

24 ms

Orange	21
Vodafone	23
Telekom Romania	31
DIGI	32

## How Speed Score™ Works

When analyzing fastest operators, Ookla solely considers top carriers (all carriers with 3% or more of total test samples in the entire market for the full award period). We then determine the fastest carrier using Speed Score for results which incorporates a measure of each provider's download and upload speed to rank network speed performance (90% of the final Speed Score is attributed to download speed and the remaining 10% to upload speed). The Speed Score uses a modified trimean to demonstrate the download and upload speeds that are available across a provider's network. We take speeds from the 10th percentile, 50th percentile (also known as the median), and 90th percentile, and combine them in a weighted average using a 1:8:1 ratio, respectively. We place the most emphasis on the download speeds and median speeds as those represent what most network providers' customers will experience on a day-to-day basis.

	Download Trimean	90th Percentile	50th Percentile	10th Percentile	Upload Trimean	90th Percentile	50th Percentile	10th Percentile
Orange	66.54	189.11	58.33	9.63	16.85	43.27	15.32	2.72
Vodafone	52.69	148.20	46.35	7.85	14.22	37.38	12.80	2.47
Telekom Romania	25.38	68.33	22.68	4.04	10.48	31.55	8.97	1.49
DIGI	22.76	53.66	21.31	3.50	4.21	11.62	3.72	0.65

## City Network Speeds

### Bucharest

Carrier	Download Mbps	Upload Mbps
<b>Orange</b>	<b>77.96</b>	<b>22.09</b>
Vodafone	47.61	15.95
DIGI	19.92	3.98
Telekom Romania	18.92	9.89

