

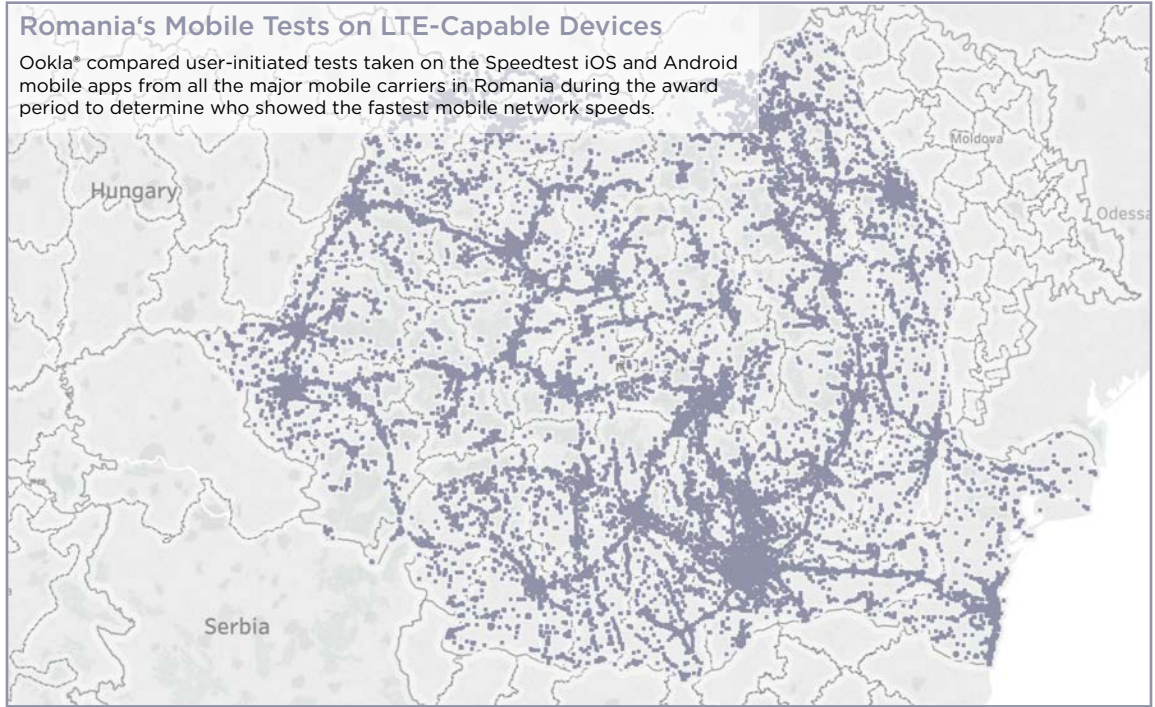
Speed Score
36.96

Romania Q1-Q2 2018

Orange is Romania's Speedtest® Awards Winner for mobile network speed. To win this award, Orange achieved a Speed Score™ of 36.96, with average speeds of 41.09 Mbps for download and 15.78 Mbps for upload.

Carrier	Test Count	Speed Score
Orange	265,083	36.96
Vodafone	184,978	33.00
Telekom Romania	103,845	25.31
Digi Mobil	192,669	12.88

Speed Score incorporates a measure of each provider's download and upload speed to rank network speed performance. See next page for more detail.



Market Statistics

Test Count	Average Download Speed:	Average Upload Speed:	Average Latency:
746,575	31.26 Mbps	12.93 Mbps	34 ms
Unique Devices 125,821	↓ Mbps	↑ Mbps	↻ ms
iPhone 7 6,206	Orange 41.09	Orange 15.78	Orange 31
Galaxy S8 6,166	Vodafone 36.30	Vodafone 16.43	Vodafone 28
Galaxy S7 Edge 5,554	Telekom Romania 27.58	Telekom Romania 13.30	Telekom Romania 35
iPhone X 4,074	Digi Mobil 14.41	Digi Mobil 4.78	Digi Mobil 44
iPhone 6s 3,868			

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 market for the period). We then determine the fastest carrier using Speed Score 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 1:2:1 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.



Carrier Name	Download Trimean	90 th Percentile	50 th Percentile	10 th Percentile	Upload Trimean	90 th Percentile	50 th Percentile	10 th Percentile
Orange	39.31	87.08	32.14	5.89	15.75	35.34	12.78	2.10
Vodafone	34.86	75.66	28.97	5.84	16.30	35.59	13.57	2.44
Telekom Romania	26.72	56.19	23.35	4.00	12.68	31.55	8.69	1.79
Digi Mobil	13.80	30.76	11.00	2.45	4.53	10.45	3.48	0.73

City Network Speeds

City	Carrier	Speed Score	Download Mbps	Upload Mbps
Bucharest	Orange	46.05	51.07	19.57
	Vodafone	36.16	39.79	18.57
	Telekom Romania	28.30	30.42	14.26
	Digi Mobil	14.57	16.33	4.91
Timisoara	Orange	51.96	56.16	21.27
	Vodafone	35.13	38.58	17.23
	Telekom Romania	27.65	29.83	15.36
	Digi Mobil	13.02	14.64	3.86
Brasov	Orange	42.31	47.29	17.01
	Vodafone	36.86	40.58	17.27
	Telekom Romania	30.27	33.51	17.34
	Digi Mobil	17.68	19.72	5.17

Methodology

For more information on our methodology visit Speedtest.net/Awards