



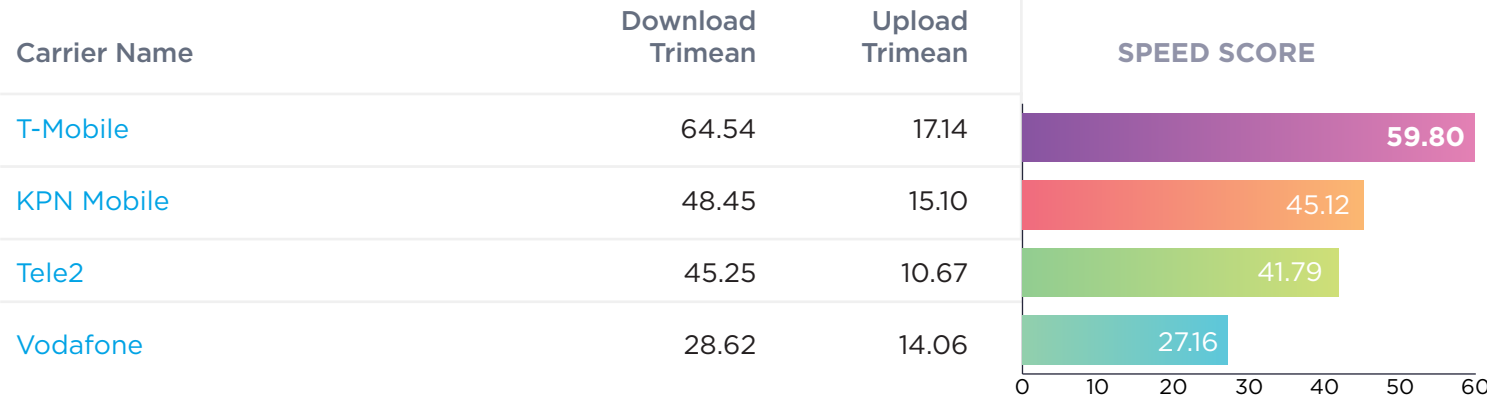
The Netherlands

Our Q2-Q3 2017 results are in for the Netherlands and we have called T-Mobile as the winner of the Speedtest Award for fastest mobile network speeds.

T-Mobile Q2-Q3 Performance

Ookla compared user-initiated tests taken on the Speedtest iOS and Android mobile apps from all the major mobile carriers in the Netherlands over the award period to determine who was the fastest. Based on our data from Q2-Q3 2017, T-Mobile achieved a Speed Score of 59.80 providing faster average speeds to their users than the other major providers in the Netherlands with average download speeds of 65.06 Mbps and average upload speeds of 17.50 Mbps on LTE-capable devices.

Speed Score



How Speed Score Works

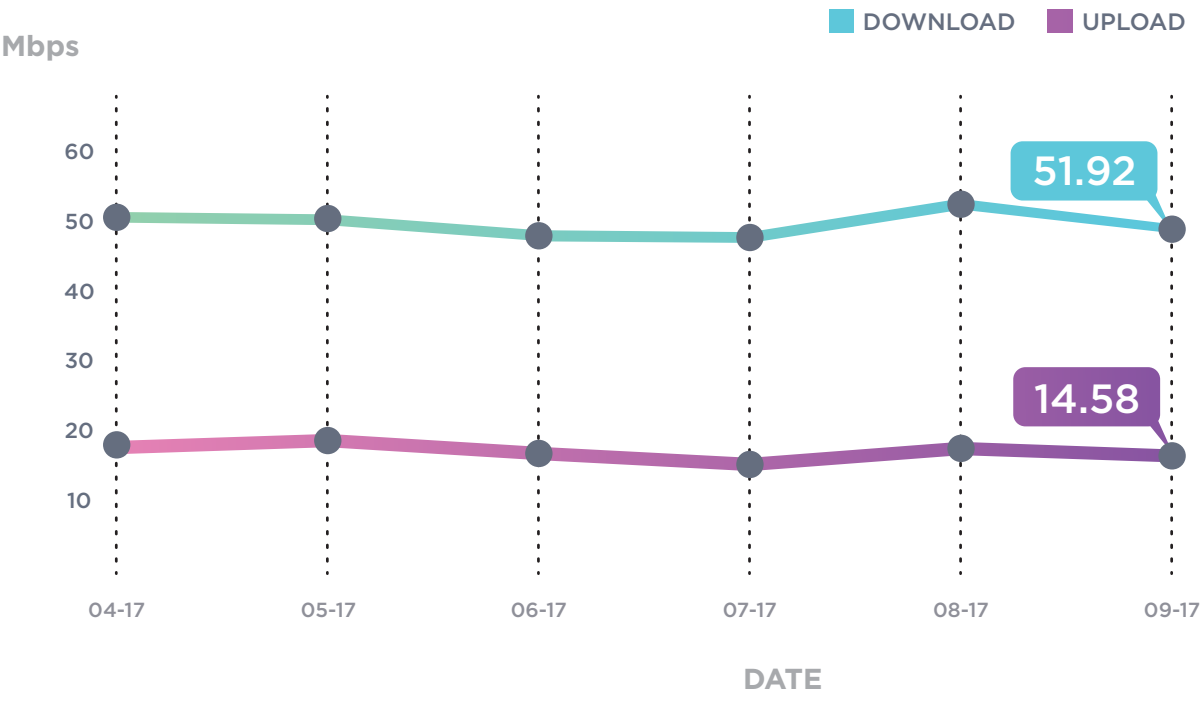
The Speedtest Awards for top providers in speed are determined using a Speed Score that incorporates a measure of each provider's download and upload speed to rank network speed performance (90% of the final Speed Score is attributed to download speed and the remaining 10% to upload speed). The Speed 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	10 th Percentile	50 th Percentile	90 th Percentile	Download Trimean	10 th Percentile	50 th Percentile	90 th Percentile	Upload Trimean
T-Mobile	9.06	55.44	138.22	64.54	2.26	12.90	40.51	17.14
KPN Mobile	6.21	38.77	110.06	48.45	1.05	10.75	37.85	15.10
Tele2	8.28	38.24	96.24	45.25	0.70	8.07	25.86	10.67
Vodafone	7.03	22.90	61.66	28.62	1.29	11.04	32.89	14.06

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The Netherlands' Mobile Internet Speeds

(Average speeds for all mobile results)



Country Stats

TEST COUNT:
544,377

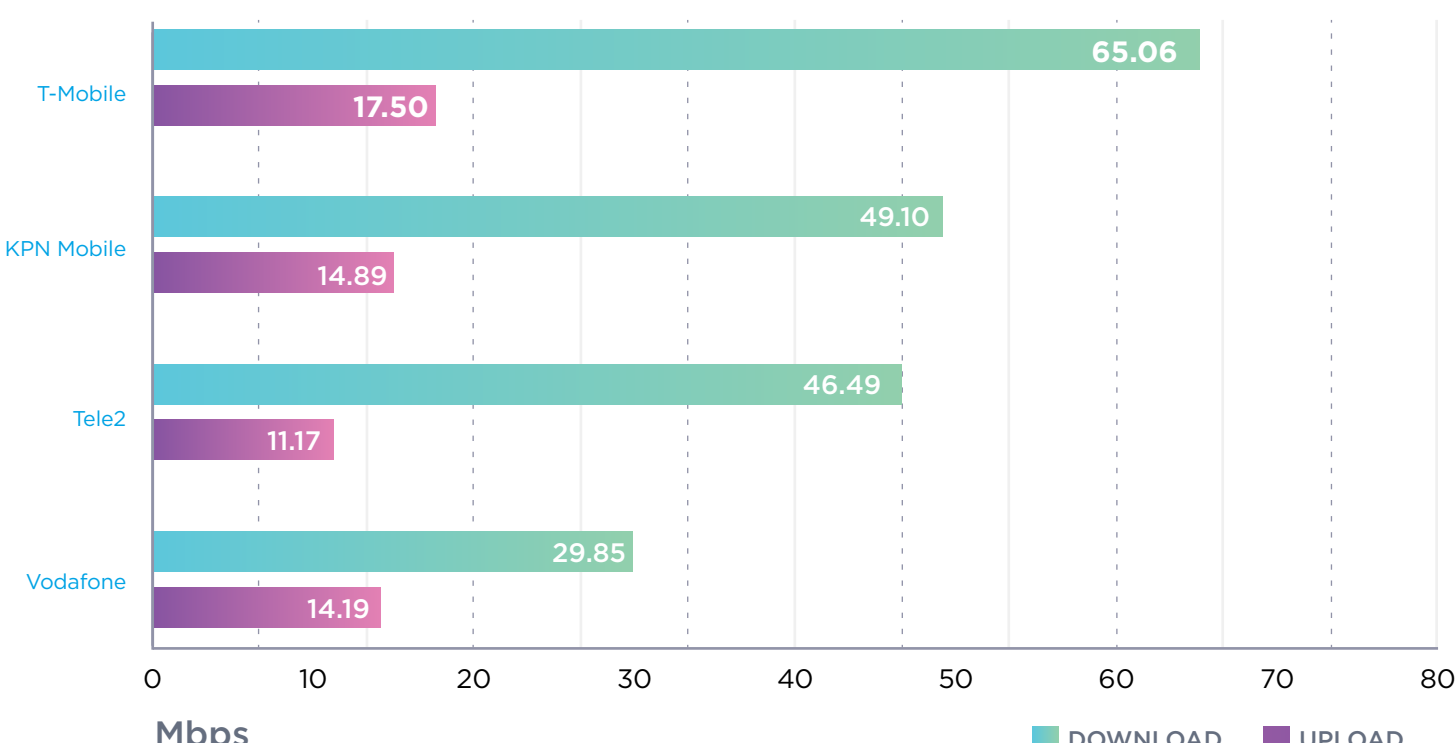
SAMPLE COUNT:
367,647

DEVICE COUNT:
180,385

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The Netherlands' Fastest Mobile Network

(Average speeds from LTE capable devices)



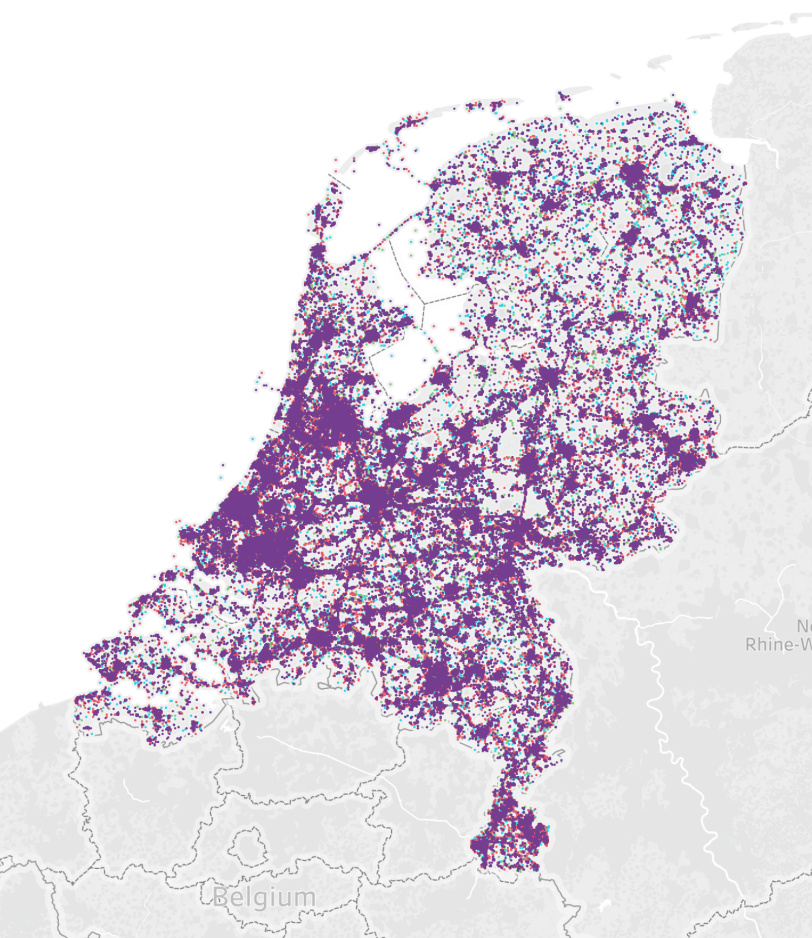
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Mobile Tests Taken Q2-Q3 2017

(Average speeds from LTE capable devices)

Carrier Name	Download Mbps	Upload Mbps	Latency MS	Test Count	Sample Count
T-Mobile	65.06	17.50	29	160,907	108,577
KPN Mobile	49.10	14.89	34	155,085	110,258
Tele2	46.49	11.17	25	76,769	45,943
Vodafone	29.85	14.19	40	94,498	66,409

- T-Mobile
- KPN Mobile
- Tele2
- Vodafone



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Methodology

To determine Speedtest Awards winners for mobile networks, we use results from “modern devices” to aid in the analysis of a mobile user's average speeds. “Modern Devices” results include all mobile tests, regardless of connection technology used, as long as they were taken on devices that are identified as being capable of achieving the fastest speeds available in a country. Each top carrier accounts for at least 3% of the sample size in the geographic area.