



MTN is Ghana's Speedtest Awards™ Winner for mobile network speed during Q3—Q4 2021

12.84

Speed Score™

8.24
Median Speed Mbps

7.60
Median Speed Mbps

Speed Score™

MTN	12.84
AirtelTigo	10.21
Vodafone	10.14

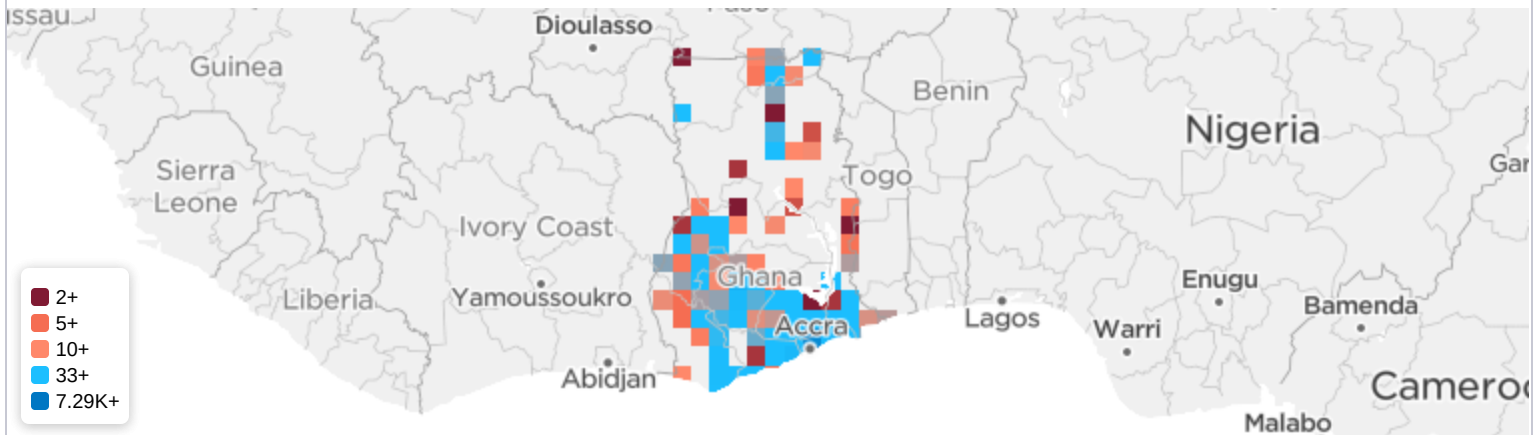
Test Counts

MTN	14,231
AirtelTigo	1,510
Vodafone	5,551



Tests Taken

Ookla® compared 21,672 user-initiated tests taken on the Speedtest iOS and Android mobile apps from all the major mobile carriers in Ghana during the award period to determine who showed the fastest mobile network speeds.



Market Statistics

Unique Devices

4,570

iPhone 12 Pro Max 5G	229
iPhone X	163
iPhone 11 Pro Max	126
iPhone Xs Max	118
iPhone 7 Plus	103

Median Download Speed

8.16 Mbps

MTN	8.24
AirtelTigo	7.89
Vodafone	7.79

Median Upload Speed

7.14 Mbps

MTN	7.60
AirtelTigo	2.41
Vodafone	8.34



Median Latency

32 ms

MTN	29
AirtelTigo	30
Vodafone	41

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
MTN	13.25	43.46	10.91	1.82	9.11	23.13	8.31	1.58
AirtelTigo	11.04	20.19	10.79	3.83	2.82	4.22	2.91	0.67
Vodafone	10.08	28.31	8.81	2.03	10.62	29.83	9.40	1.19