




**PAKISTAN'S  
FASTEST  
MOBILE  
NETWORK**

## Pakistan Q3-Q4 2019

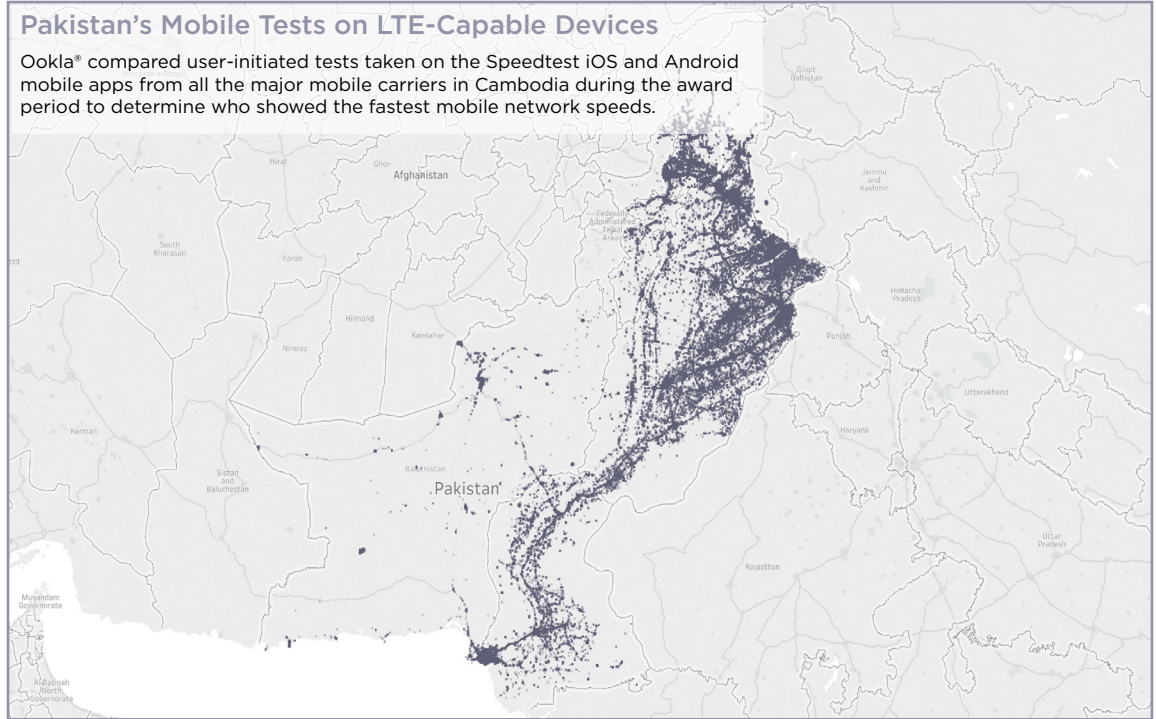
Jazz is Pakistan's Speedtest Awards™ Winner for mobile network speed. To win this award, Jazz achieved a Speed Score™ of 16.94, with average speeds of 17.97 Mbps for download and 13.40 Mbps for upload.



**Speed Score**  
**16.94**

Carrier	Test Count	Speed Score
<b>Jazz</b>	481,506	16.94
Zong	478,569	14.16
Telenor	168,032	6.77
Ufone	168,032	5.32

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  
**1,206,834**

Average Download Speed:  
**14.22** Mbps

Average Upload Speed:  
**10.66** Mbps

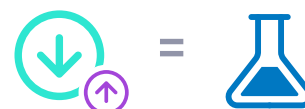
Average Latency:  
**46** ms

Unique Devices  
302,346

	↓	Mbps	↑	Mbps	↻	ms
<b>Mate 10 Lite</b> 10,482	<b>Jazz</b> 17.97	<b>Jazz</b> 13.40	Jazz	44		
iPhone X 8,886	Zong 15.00	Zong 12.39	Zong	45		
iPhone 7 7,237	Telenor 7.48	Telenor 3.95	Telenor	53		
iPhone 7 Plus 6,806	Ufone 5.86	Ufone 2.89	Ufone	45		
iPhone 6 6,474						

### 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 <sup>th</sup> Percentile	50 <sup>th</sup> Percentile	10 <sup>th</sup> Percentile	Upload Trimean	90 <sup>th</sup> Percentile	50 <sup>th</sup> Percentile	10 <sup>th</sup> Percentile
<b>Jazz</b>	<b>17.35</b>	37.74	14.15	3.35	<b>13.29</b>	27.71	11.87	1.71
Zong	14.39	31.34	11.80	2.62	12.15	25.85	10.47	1.79
Telenor	7.10	15.27	5.87	1.38	3.84	6.99	3.63	1.11
Ufone	5.60	11.37	4.92	1.21	2.72	4.64	2.67	0.90

### City Network Speeds

City	Carrier	Speed Score	Download Mbps	Upload Mbps
Karachi	<b>Jazz</b>	19.56	20.71	13.96
	Zong	11.61	12.09	11.90
	Telenor	7.84	8.62	4.00
	Ufone	5.25	5.79	2.85
Islamabad	<b>Jazz</b>	19.90	21.13	14.58
	Zong	13.13	13.85	11.84
	Telenor	6.48	7.43	4.04
	Ufone	5.70	6.26	3.13
Rawalpindi	<b>Jazz</b>	18.89	20.00	13.94
	Zong	13.67	14.36	12.68
	Telenor	6.09	6.76	3.80
	Ufone	5.31	5.83	3.02

### Methodology

For more information on our methodology visit [Speedtest.net/Awards](https://www.speedtest.net/Awards)