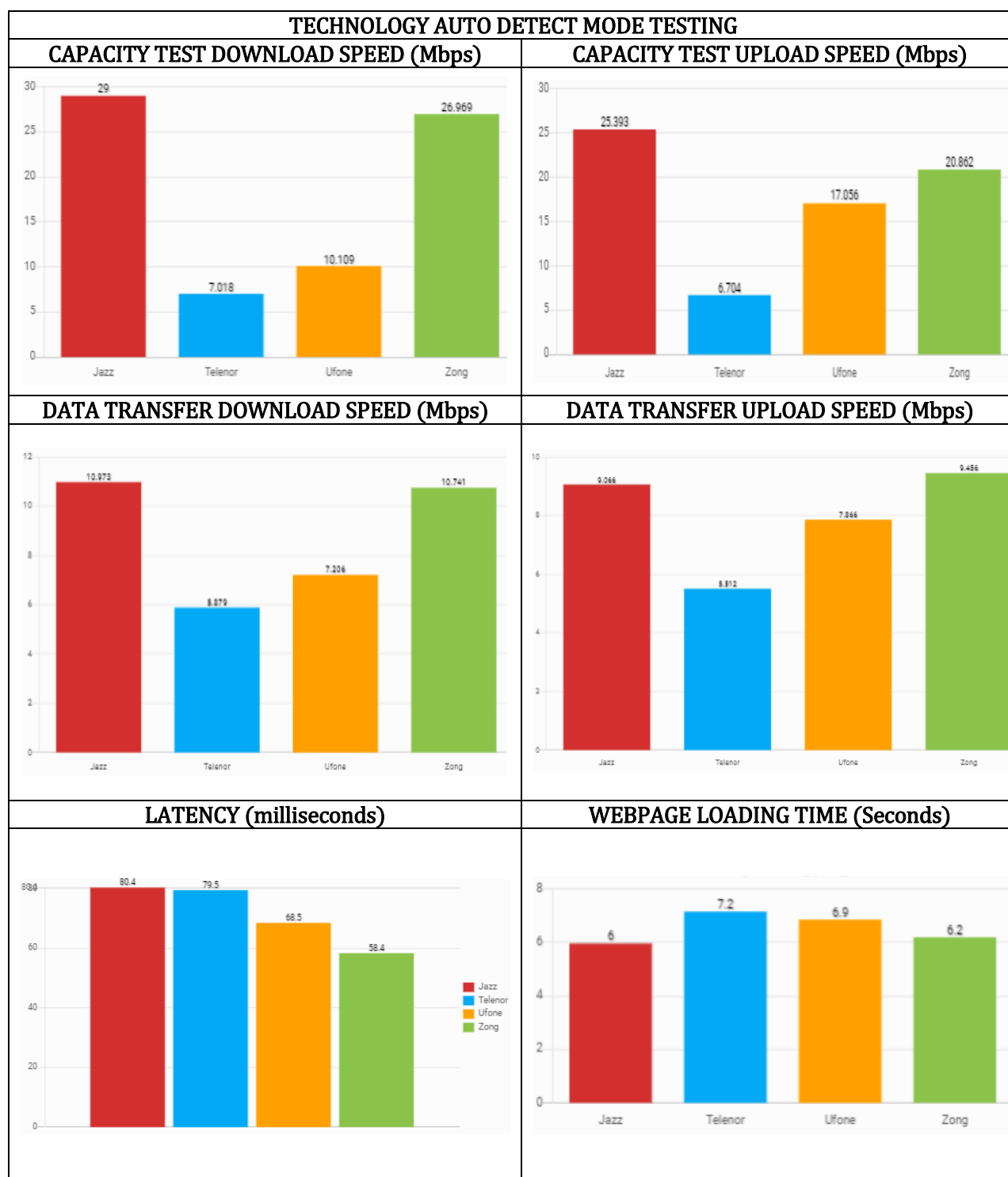


Karachi West	478	650	448	70	No	No	No	Yes
Karachi South	494	648	414	137	No	No	No	Yes
Shujabad	227	841	452	95	No	No	No	Yes
Kabirwala	289	874	484	96	No	No	No	Yes
Chichawatni	566	616	503	100	No	No	No	Yes

Table 4.13: Latency in 3G Technology Locked Mode < 150 milliseconds

4.6. During the survey, the deployed technologies by Cellular Mobile Operators (CMOs), Success Rate of http Transfer Download Tests and Resource Block Utilization have been recorded. The details can be seen in attached graphs.



<i>CMO</i>	<i>KPIs</i>	<i>Threshold</i>	<i>KARAK</i>	<i>DEPALPUR</i>	<i>KARACHI WEST</i>	<i>KARACHI SOUTH</i>	<i>SHUJABAD</i>	<i>KABIRWALA</i>	<i>CHICHAWATNI</i>
<i>Jazz</i>	NA	≥ 99%	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	CSSR	≥ 98%	Yes	Yes	No	Yes	Yes	Yes	Yes
	CCT	≤ 7.5 sec	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	CCR	> 98%	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	MOS	≥ 3	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	ISHO	≥ 98%	Yes	N/A	Yes	N/A	N/A	N/A	N/A
	RSSR	> 98%	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<i>Telenor</i>	NA	≥ 99%	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	CSSR	≥ 98%	No	Yes	No	Yes	No	Yes	Yes
	CCT	≤ 7.5 sec	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	CCR	> 98%	No	Yes	No	Yes	No	Yes	Yes
	MOS	≥ 3	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	ISHO	≥ 98%	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	RSSR	> 98%	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<i>Ufone</i>	NA	≥ 99%	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	CSSR	≥ 98%	No	Yes	Yes	Yes	No	No	Yes
	CCT	≤ 7.5 sec	Yes	Yes	Yes	Yes	No	No	Yes
	CCR	> 98%	No	Yes	Yes	Yes	Yes	Yes	Yes
	MOS	≥ 3	No	Yes	Yes	Yes	Yes	No	Yes
	ISHO	≥ 98%	Yes	N/A	N/A	N/A	Yes	N/A	N/A
	RSSR	> 98%	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<i>ZonG</i>	NA	≥ 99%	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	CSSR	≥ 98%	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	CCT	≤ 7.5 sec	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	CCR	> 98%	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	MOS	≥ 3	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	ISHO	≥ 98%	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	RSSR	> 98%	Yes	Yes	Yes	Yes	Yes	Yes	Yes

* Note Voice QoS KPIs: Network Accessibility (NA) > 99%, Service Accessibility (SA) > 98%, Call Connection Time (CCT) ≤ 7.5 Seconds, Call Completion Ratio (CCR) ≥ 98%, Mean Opinion Score (MOS) > 3, Inter System Hand Over (ISHO) > 98% & RAB Setup Success Rate (RSSR) > 98%

Table 5.2: Voice QoS KPIs Compliance Level