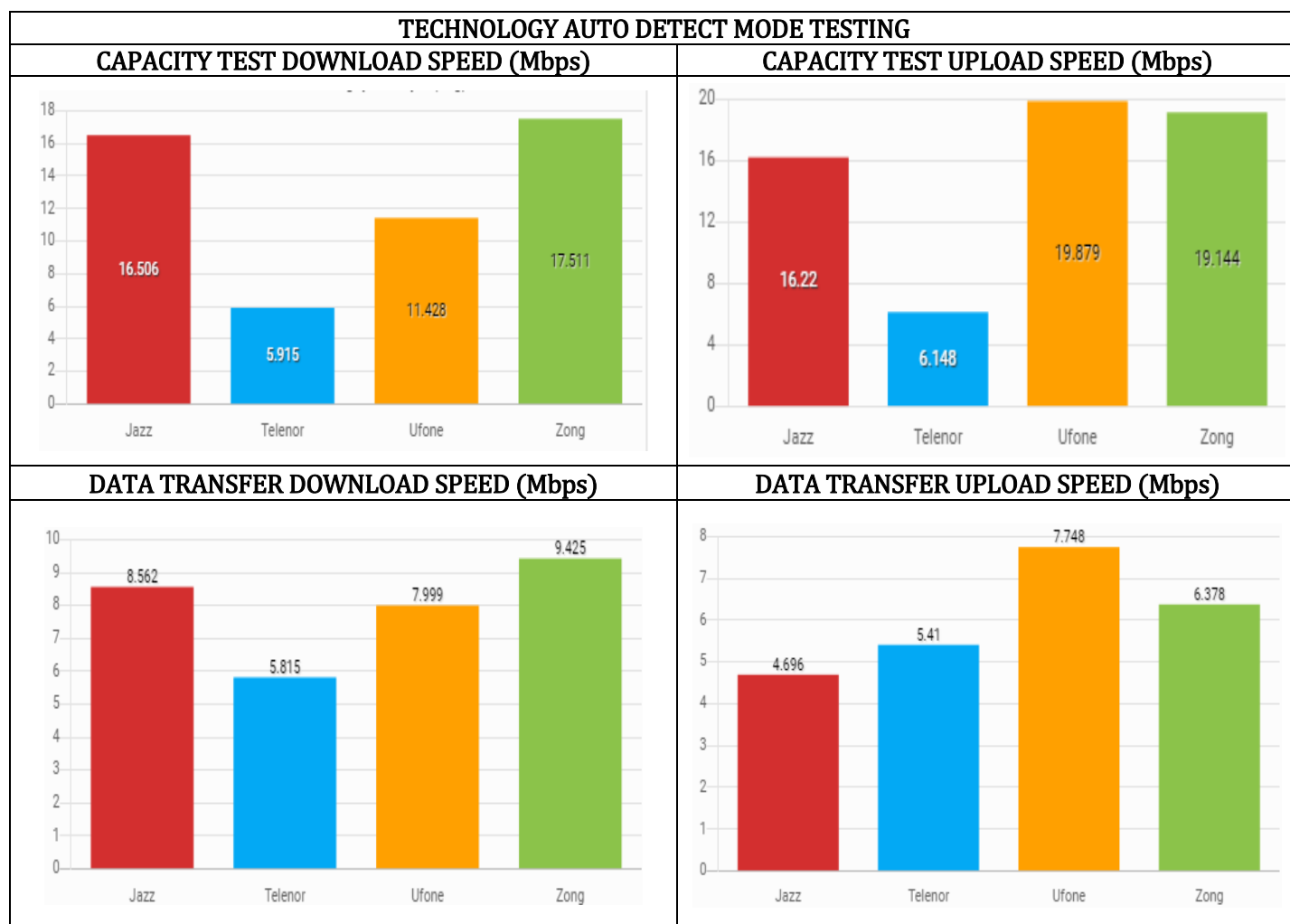


<b>LATENCY IN 3G TECHNOLOGY LOCKED MODE</b>								
<b>City</b>	<b>Latency [milliseconds]</b>				<b>Compliant (Yes/No)</b>			
	<b>Jazz</b>	<b>Telenor</b>	<b>Ufone</b>	<b>ZonG</b>	<b>Jazz</b>	<b>Telenor</b>	<b>Ufone</b>	<b>ZonG</b>
Batkhela	625	256	462	208	No	No	No	No
Mingora	560	267	457	221	No	No	No	No
Mardan	521	295	407	273	No	No	No	No
Faisalabad	280	598	452	149	No	No	No	Yes
Mastung	N/A	445	490	234	N/A	No	No	No
Gojra	257	564	451	155	No	No	No	No
Multan	214	219	199	221	No	No	No	No
Ziarat	N/A	752	511	92	N/A	No	No	Yes
Khuzdar	N/A	811	515	136	N/A	No	No	Yes
Usta Muhammad	197	534	491	112	No	No	No	Yes
Sibbi	142	680	472	98	Yes	No	No	Yes
Abbottabad	541	356	482	270	No	No	No	No
Haripur	545	348	511	236	No	No	No	No
Khanewal	260	940	530	133	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.



Voice Service Cities - Compliance (Yes/No)															
Operator	Voice KPIs	Batkhela	Mingora	Mardan	Faisalabad	Mastung	Gojra	Multan	Ziarat	Khuzdar	Usta Muhammad	Sibbi	Abbottabad	Haripur	Khanewal
Jazz	NA	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	CSSR	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No	Yes
	CCT	Yes	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	No	N/A	Yes	No	N/A
	CCR	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	MOS	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes
	ISHO	Yes	Yes	Yes	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	Yes	N/A
	RSSR	Yes	Yes	Yes	Yes	N/A	N/A	N/A	N/A	N/A	Yes	N/A	Yes	Yes	N/A
Telenor	NA	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes
	CSSR	No	No	No	Yes	No	No	No	Yes	Yes	No	No	No	No	No
	CCT	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
	CCR	No	No	Yes	No	No	No	No	Yes	No	No	Yes	Yes	No	Yes
	MOS	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes
	ISHO	N/A	N/A	Yes	N/A	Yes	N/A	N/A	N/A	Yes	N/A	N/A	N/A	N/A	N/A
	RSSR	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Ufone	NA	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	CSSR	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Yes	No	Yes
	CCT	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	CCR	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	MOS	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes
	ISHO	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	N/A
	RSSR	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ZonG	NA	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	CSSR	Yes	No	No	Yes	No	Yes	Yes	Yes	No	Yes	Yes	Yes	No	Yes
	CCT	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	CCR	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
	MOS	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	ISHO	N/A	N/A	N/A	N/A	Yes	Yes	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	RSSR	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
* Note Voice QoS KPIs: Network Accessibility (NA) > 99%, Call Setup Success Rate (CSSR)> 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 5.1: Voice QoS KPIs Compliance Level