LATENCY IN TECHNOLOGY AUTO DETECT MODE								
Road	Latency (milliseconds)				Compliant (Yes/No)			
	Jazz	Telenor	Ufone	ZonG	Jazz	Telenor	Ufone	ZonG
Lahore to Islamabad	266	258	215	237	No	No	No	No
Lahore To Sialkot	266	228	268	247	No	No	No	No
Rawalpindi To Turkham	304	237	225	262	No	No	No	No

Table 4.11: Latency in Technology Auto Detect Mode < 75 milliseconds

LATENCY IN 4G/LTE TECHNOLOGY LOCKED MODE								
Road	Latency [milliseconds]				Compliant (Yes/No)			
	Jazz	Telenor	Ufone	ZonG	Jazz	Telenor	Ufone	ZonG
Hazara Motorway	69.68	119.82	125.24	78.72	Yes	No	No	No
Haripur To Taxila	76.50	105.77	82.28	227.84	No	No	No	No
Pindi Bhatian To Multan	65.00	81.00	93.00	79.00	Yes	No	No	No
Multan to Sukkur	116.59	88.40	133.92	94.14	No	No	No	No
Nowshera To Chitral	90.66	126.42	124.63	151.97	No	No	No	No
Swabi To Katlang	162.04	120.59	105.77	86.65	No	No	No	No
Islamabad To Kohala	73.04	77.25	95.02	184.34	Yes	No	No	No
Islamabad To Peshawar	73.60	201.39	84.72	310.71	Yes	No	No	No
Lahore to Abdul Hakeem	116.73	74.52	89.87	83.52	No	Yes	No	No
Lahore to Islamabad	76.38	89.92	78.16	226.17	No	No	No	No
Lahore To Sialkot	91.16	99.16	77.23	89.92	No	No	No	No
Rawalpindi To Turkham	148.73	110.48	92.70	126.75	No	No	No	No

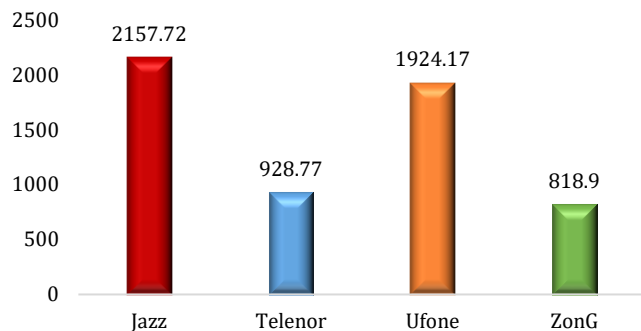Table 4.12: Latency in 4G/LTE Technology Locked Mode < 75 milliseconds

LATENCY IN 3G TECHNOLOGY LOCKED MODE								
Road	Latency [milliseconds]				Compliant (Yes/No)			
	Jazz	Telenor	Ufone	ZonG	Jazz	Telenor	Ufone	ZonG
Hazara Motorway	510	337	465	207	No	No	No	No
Haripur To Taxila	547	480	431	187	No	No	No	No
Pindi Bhatian To Multan	253	739	484	204	No	No	No	No
Multan to Sukkur	353	955	602	216	No	No	No	No
Nowshera To Chitral	575	735	480	448	No	No	No	No
Swabi To Katlang	569	377	531	476	No	No	No	No
Islamabad To Kohala	474	294	392	169	No	No	No	No
Islamabad To Peshawar	542	292	430	209	No	No	No	No
Lahore to Abdul Hakeem	468	665	488	147	No	No	No	Yes
Lahore to Islamabad	517	495	459	187	No	No	No	No
Lahore To Sialkot	508	393	448	205	No	No	No	No
Rawalpindi To Turkham	601	425	523	463	No	No	No	No

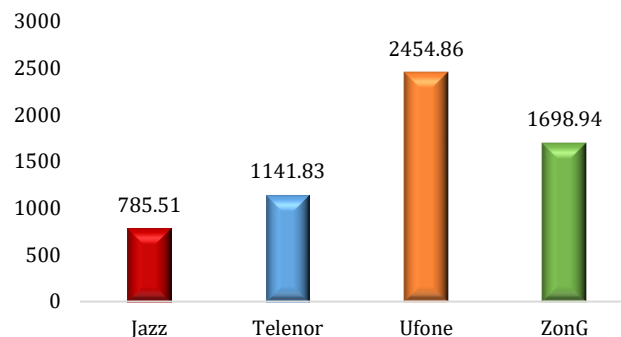Table 4.13: Latency in 3G Technology Locked Mode < 150 milliseconds

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.

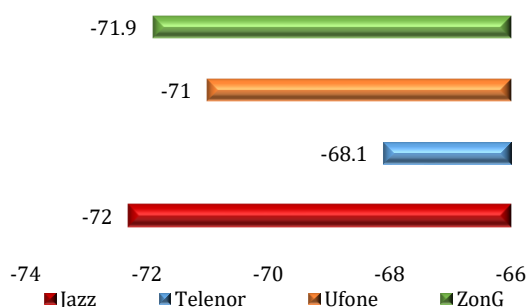# QUALITY OF SERVICE SURVEY RESULTS (4G) – LAHORE TO SIALKOT
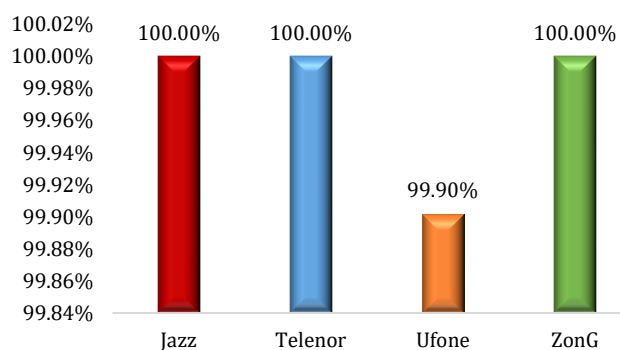
User Data Throughput Download (3G) > 256 Kbps

Operator	Value
Jazz	2157.72
Telenor	928.77
Ufone	1924.17
ZonG	818.9

User Data Throughput Upload (3G) > 64 Kbps

Operator	Value
Jazz	785.51
Telenor	1141.83
Ufone	2454.86
ZonG	1698.94

Signal Strength (RSCP) > -100dBm

Operator	Value
Jazz	-72
Telenor	-68.1
Ufone	-71
ZonG	-71.9

Signal Strength (RSCP) Confidencel Level > 90%

Operator	Value
Jazz	100.00%
Telenor	100.00%
Ufone	99.90%
ZonG	100.00%

Latency (3G) < 150 ms

Operator	Value
Jazz	508
Telenor	393
Ufone	448
ZonG	205