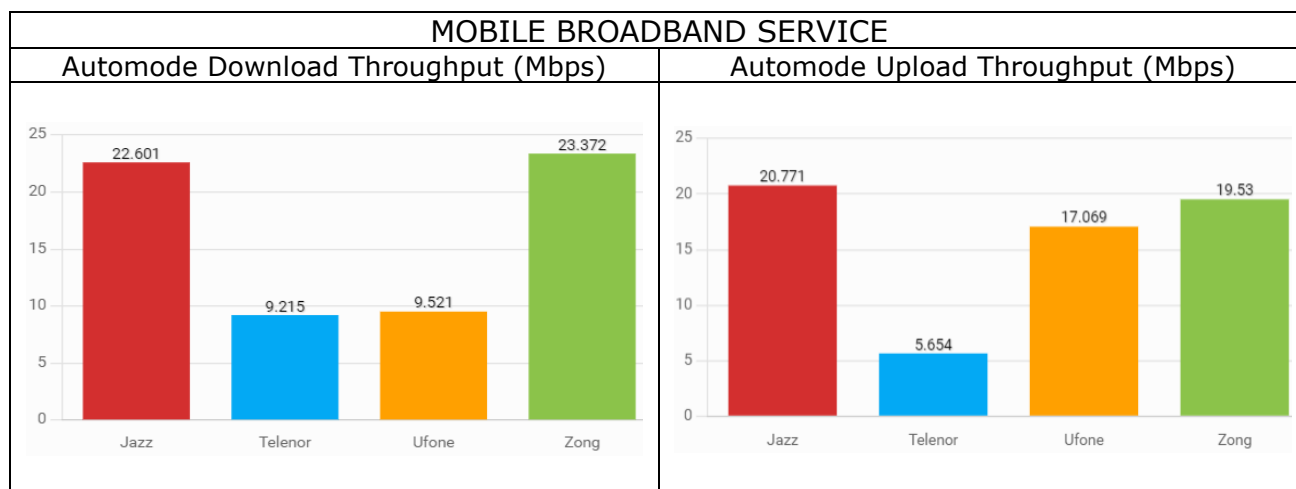|								
QUETTA	30.12	46.1	47.17	27.12	Yes	Yes	Yes	Yes
RAWALPINDI	21	42.5	23.7	16.5	Yes	Yes	Yes	Yes
CHUNIAN	38.56	46.26	36.96	16.78	Yes	Yes	Yes	Yes
SHARAQPUR	29.19	22.51	35.58	15.68	Yes	Yes	Yes	Yes
KOTRI	24.99	26.83	38.25	23.3	Yes	Yes	Yes	Yes

Table 7.3: Ookla Latency

8.   MOBILE BROADBAND SERVICE – WEB PAGE LOADING

Web Page Loading Time of different national and international websites were tested. Results of testing are shown in Table 8.1: Web Page Loading Time.

WEBPAGE LOADING TIME IN IN TECHNOLOGY AUTO DETECT MODE								
City	Webpage Loading Time [seconds]				Compliant (Yes/No)			
	Jazz	Telenor	Ufone	ZonG	Jazz	Telenor	Ufone	ZonG
BAHWALNAGAR	0.12	0.88	0.89	0.14	Yes	Yes	Yes	Yes
D.I KHAN	2.20	**6.60**	2.80	1.9	Yes	**No**	Yes	Yes
LAHORE	3.26	1.68	1.62	1.24	Yes	Yes	Yes	Yes
MARDAN	2.9	**5.2**	2.6	1.9	Yes	**No**	Yes	Yes
SAMUNDARI	0.68	0.31	0.34	0.14	Yes	Yes	Yes	Yes
SHIKARPUR	3.9	2.70	2.90	1.9	Yes	Yes	Yes	Yes
HYDERABAD	4.9	**6.7**	**6.5**	4.9	Yes	**No**	**No**	Yes
JHELUM	1.9	2.5	2.3	2.1	Yes	Yes	Yes	Yes
KARACHI MALIR	4.4	**7.2**	**6.2**	4.7	Yes	**No**	**No**	Yes
NAWABSHAH	4.6	2.5	3.1	1.7	Yes	Yes	Yes	Yes
NUSHKI	N/A	**6.6**	**7.6**	**5.3**	N/A	**No**	**No**	**No**
QUETTA	**5**	**7.5**	**6.5**	**5.4**	**No**	**No**	**No**	**No**
RAWALPINDI	2.3	2.7	2.3	2.1	Yes	Yes	Yes	Yes
CHUNIAN	**6.6**	**7.1**	**7.1**	**6.5**	**No**	**No**	**No**	**No**
SHARAQPUR	**5.3**	**6.4**	**6.9**	**5.9**	**No**	**No**	**No**	**No**
KOTRI	4.5	**6.9**	**6.6**	**5.1**	Yes	**No**	**No**	**No**

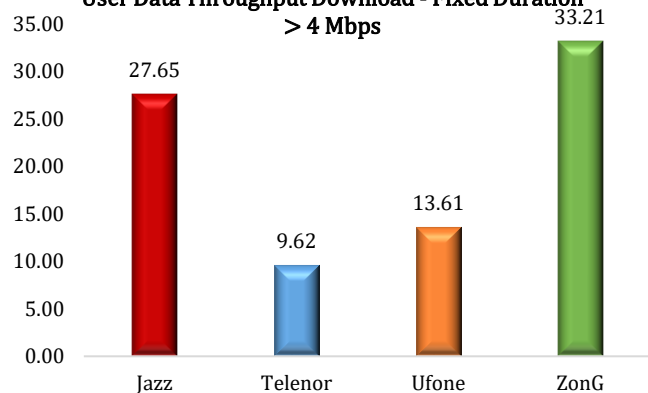Table 8.1: Web Page Loading Time

Overall survey results of Mobile Broadband Services for each Mobile Operator are shown in the below graphs.

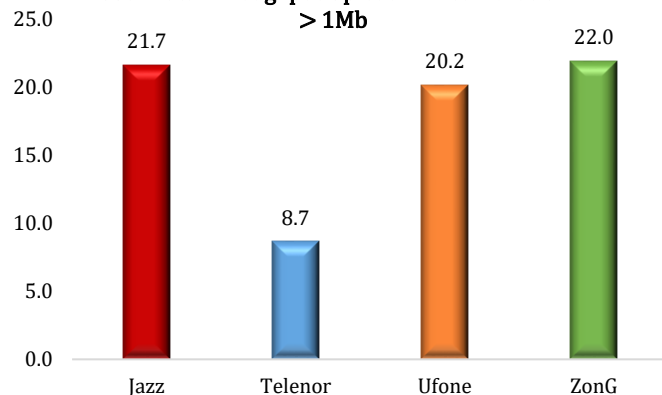

MOBILE BROADBAND SERVICE

Automode Download Throughput (Mbps) — Jazz 22.601, Telenor 9.215, Ufone 9.521, Zong 23.372

Automode Upload Throughput (Mbps) — Jazz 20.771, Telenor 5.654, Ufone 17.069, Zong 19.53

QUALITY OF SERVICE SURVEY RESULTS (AUTOMODE) – LAHORE

User Data Throughput Download - Fixed Duration > 4 Mbps

Operator	Value
Jazz	27.65
Telenor	9.62
Ufone	13.61
ZonG	33.21

User Data Throughput Upload - Fixed Duration > 1Mb

Operator	Value
Jazz	21.7
Telenor	8.7
Ufone	20.2
ZonG	22.0

Signal Strength (RSRP) > -100dBm

Operator	Value
ZonG	-79.8
Ufone	-78.6
Telenor	-87.6
Jazz	-77.5
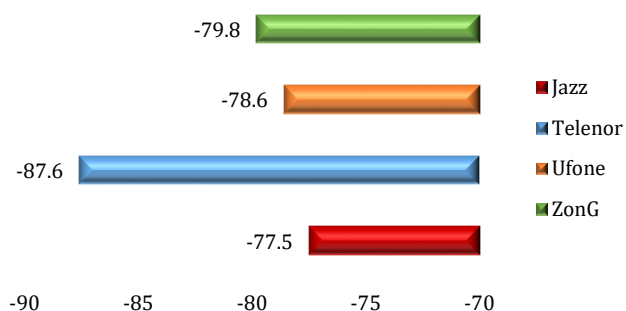
Signal Strength (RSRP) Confidencel Level > 90%

Operator	Value
Jazz	98.20%
Telenor	85.16%
Ufone	99.51%
ZonG	99.57%
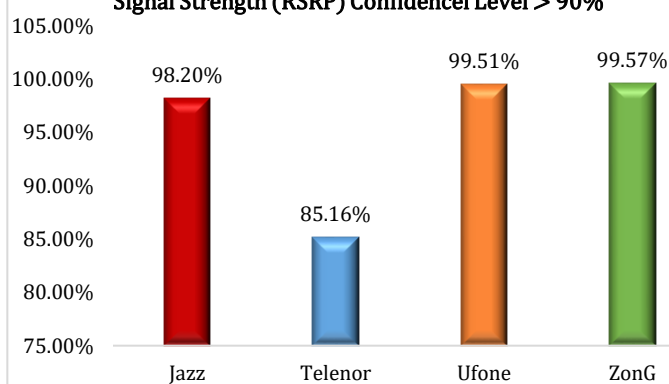
Webpage Loading Time < 5 Seconds

Operator	Value
Jazz	3.26
Telenor	1.68
Ufone	1.62
ZonG	1.24

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