

[Fixed Size] \geq 768Kbps, (iii). Table 4.8: Upload User Data Throughput in 4G/LTE Technology Locked Mode [Fixed Duration] \geq 768Kbps & (iv). Table 4.9: Upload User Data Throughput in 3G Technology Locked Mode [Fixed Duration] \geq 128Kbps.

UPLOAD USER DATA THROUGHPUT IN TECHNOLOGY AUTO DETECT MODE (FIXED DURATION)								
City	Upload User Data Throughput [Kbps]				Operator Position			
	Jazz	Telenor	Ufone	ZonG	Jazz	Telenor	Ufone	ZonG
SUKKUR	25312.02	7941.84	23715.76	25224.52	First	Fourth	Third	Second
BAHAWALPUR	21164.24	7790.95	17922.41	22462.04	Second	Fourth	Third	First
CHARSADDA	6783.78	3374.1	5641.91	6261.69	First	Fourth	Third	Second
GWADAR	20414.2	4749.16	15560.03	18516.45	First	Fourth	Third	Second
QUETTA	25768.98	3658.02	16502.62	15394.8	First	Fourth	Second	Third
ISLAMABAD	22746.34	7086.78	18316.56	15278.37	First	Fourth	Second	Third
KOT RADHA KISHAN	26860.64	6350.13	20292.56	16711.84	First	Fourth	Second	Third
SHEIKHUPURA	27045.06	8559.03	15958.22	24309.09	First	Fourth	Third	Second
HANGU	4504.68	2599.49	4449.68	3597.49	First	Fourth	Second	Third
KUHLAK	24248.42	4650.12	18747.64	16607.53	First	Fourth	Second	Third
ABBOTTABAD	25565.83	6503.83	16850.2	19422.11	First	Fourth	Third	Second
LOWER DIR	16555.49	3401.19	20922.26	17466.45	Third	Fourth	First	Second
MANSEHRA	26442.7	3955.71	18518.48	19710.08	First	Fourth	Third	Second
MATIARI	24214.47	4528.11	23439.44	29915.92	Second	Fourth	Third	First
MACH	23566.95	2641.85	15786.57	18156.3	First	Fourth	Third	Second
PASROOR	24020.87	2899.79	15961.16	27273.31	Second	Fourth	Third	First
PISHIN	25499.71	3310.56	18281.87	15961.38	First	Fourth	Second	Third
SARGODHA	20392.98	7822.01	19736.37	21298.93	Second	Fourth	Third	First
UMERKOT	20795.27	5614.9	22339.42	26116.67	Third	Fourth	Second	First

Table 4.6: Upload User Data Throughput Technology Auto Detect Mode [Fixed Duration] \geq 768Kbps

UPLOAD USER DATA THROUGHPUT IN TECHNOLOGY AUTO DETECT MODE (FIXED SIZE)								
City	Upload User Data Throughput [Kbps]				Operator Position			
	Jazz	Telenor	Ufone	ZonG	Jazz	Telenor	Ufone	ZonG
SUKKUR	8167.58	6084.85	8477.68	8142.93	Second	Fourth	First	Third
BAHAWALPUR	13861.97	10807.85	14546.27	12001.2	Second	Fourth	First	Third
CHARSADDA	5713.53	5947.91	8973.19	6121.08	Fourth	Third	First	Second
GWADAR	4971.96	3212.12	6749.48	6795.67	Third	Fourth	Second	First
QUETTA	7616.25	3908.09	8104.39	6543.72	Second	Fourth	First	Third
ISLAMABAD	8042.42	6014.27	7879.78	8555.44	Second	Fourth	Third	First
KOT RADHA KISHAN	7473.29	4936.98	8532.87	8277.21	Third	Fourth	First	Second
SHEIKHUPURA	7062.78	6029.64	7365.07	7697.7	Third	Fourth	Second	First
HANGU	5256.15	4380.59	6600.04	5520.16	Third	Fourth	First	Second
KUHLAK	7189.01	4516.37	7764.51	8464.35	Third	Fourth	Second	First
ABBOTTABAD	12940.16	10690.83	13462.38	15392.46	Third	Fourth	Second	First
LOWER DIR	9834.68	8933.44	14055.46	12795.12	Third	Fourth	First	Second
MANSEHRA	15034.77	9035.28	16676.37	16189.76	Third	Fourth	First	Second
MATIARI	8243.24	4718.4	8560.44	8466.75	Third	Fourth	First	Second
MACH	7490.18	3242.58	6951.03	9306.3	Second	Fourth	Third	First
PASROOR	6937.73	3967.84	7182.33	9053.07	Third	Fourth	Second	First
PISHIN	7501.41	3928.54	6983.53	6936.99	First	Fourth	Second	Third
SARGODHA	11287.64	8832.64	14079.95	13768.28	Third	Fourth	First	Second
UMERKOT	6610.83	5193.58	9076.9	8115.71	Third	Fourth	First	Second

Table 4.7: Upload User Data Throughput Technology Auto Detect Mode [Fixed Size] \geq 768Kbps

UPLOAD USER DATA THROUGHPUT IN 4G TECHNOLOGY LOCKED MODE (FIXED DURATION)								
City	Upload User Data Throughput [Kbps]				Operator Position			
	Jazz	Telenor	Ufone	ZonG	Jazz	Telenor	Ufone	ZonG
SUKKUR	25296.16	6583.92	22434.03	22005.5	First	Fourth	Second	Third
BAHAWALPUR	20112.04	6932.49	17081.91	20704.52	Second	Fourth	Third	First
CHARSADDA	20585.38	6670.14	16509.27	23512.04	Second	Fourth	Third	First
GWADAR	18750.48	6338.92	14214.57	8413.74	First	Fourth	Second	Third
QUETTA	24932.98	4042.08	15705.89	12826.01	First	Fourth	Second	Third
ISLAMABAD	21580.27	5810.8	14444.14	15379.18	First	Fourth	Third	Second
KOT RADHA KISHAN	25329.49	5969.83	17275.58	23104.88	First	Fourth	Third	Second
SHEIKHUPURA	24588.02	7687.65	16582.58	19201.22	First	Fourth	Third	Second
HANGU	23092.25	5458.11	13642.84	15844.73	First	Fourth	Third	Second
KUHLAK	18747.18	3512.71	16410.66	15908.18	First	Fourth	Second	Third
ABBOTTABAD	26814.77	6053.73	16307.21	17551.25	First	Fourth	Third	Second
LOWER DIR	16414.1	2822.36	17016.25	18251.52	Third	Fourth	Second	First
MANSEHRA	28559.98	3693.91	17470.17	16499.75	First	Fourth	Second	Third
MATIARI	24703.69	3922.55	21044.44	25370.06	Second	Fourth	Third	First
MACH	22514.32	2585.51	14121.67	13699.32	First	Fourth	Second	Third
PASROOR	21901.78	2279.73	14962.07	24635.67	Second	Fourth	Third	First
PISHIN	25293.55	3684.02	16611.27	16956.16	First	Fourth	Third	Second
SARGODHA	23662.54	5931.77	16919.72	20345.94	First	Fourth	Third	Second
UMERKOT	16550.65	4777.4	16402.01	18799.97	Second	Fourth	Third	First

Table 4.8: Upload User Data Throughput Technology Locked Mode [Fixed Duration] $\geq 768\text{Kbps}$

UPLOAD USER DATA THROUGHPUT IN 3G TECHNOLOGY LOCKED MODE (FIXED DURATION)								
City	Upload User Data Throughput [Kbps]				Operator Position			
	Jazz	Telenor	Ufone	ZonG	Jazz	Telenor	Ufone	ZonG
SUKKUR	1386.51	2647.26	2620.96	1996.41	Fourth	First	Second	Third
BAHAWALPUR	1442.35	2182.59	2982.26	2208.55	Fourth	Third	First	Second
CHARSADDA	1202.51	1796.23	2135.31	1568.35	Fourth	Second	First	Third
GWADAR	725.79	2011.73	2698.71	1589.55	Fourth	Second	First	Third
QUETTA	1343.3	1543.74	2015.31	1712.12	Fourth	Third	First	Second
ISLAMABAD	1088.59	1069.67	2395.25	817.8	Second	Third	First	Fourth
KOT RADHA KISHAN	731.07	1559.61	3084.41	2656.84	Fourth	Third	First	Second
SHEIKHUPURA	278.43	1430.4	2439.91	1781.76	Fourth	Third	First	Second
HANGU	1267.94	1445.21	2867.92	1878.99	Fourth	Third	First	Second
KUHLAK	1623.13	1634.06	2610.84	1896.36	Fourth	Third	First	Second
ABBOTTABAD	1601.45	1203.44	2412.66	804.2	Second	Third	First	Fourth
LOWER DIR	701.15	1272.28	2390.25	1847.91	Fourth	Third	First	Second
MANSEHRA	1694.28	1199.07	2554.65	771.58	Second	Third	First	Fourth
MATIARI	1472.65	2301.79	2500.62	2914.7	Fourth	Third	Second	First
MACH	N/A	2037.77	2185.2	2370.28	N/A	Third	Second	First
PASROOR	205.33	657.54	2680.73	2015.28	Fourth	Third	First	Second
PISHIN	1318.11	1588.13	1664.34	1503.42	Fourth	Second	First	Third
SARGODHA	1024.14	1519.87	2835.93	1934.56	Fourth	Third	First	Second
UMERKOT	N/A	1384.68	1852.94	3153.01	N/A	Third	Second	First

Table 4.9: Upload User Data Throughput in 3G Technology Locked Mode [Fixed Duration] $\geq 128\text{Kbps}$

4.4. **WEBPAGE LOADING TIME.** As per Cellular Mobile Network Quality of Service (QoS) Regulations 2021, licensees are required to meet Webpage Loading Time threshold of 5 Seconds. The results of Webpage Loading Time is shown in **Table 4.10: Webpage Loading Time < 5 Seconds**.