

DOWNLOAD USER DATA THROUGHPUT IN TECHNOLOGY AUTO DETECT MODE (FIXED DURATION)								
City	Download User Data Throughput [Mbps]				Operator Position			
	Jazz	Telenor	Ufone	ZonG	Jazz	Telenor	Ufone	ZonG
SUKKUR	21.27	10.79	14.12	18.21	First	Fourth	Third	Second
BAHAWALPUR	19.53	10.87	11.77	24.00	Second	Fourth	Third	First
CHARSADDA	8.33	2.92	2.88	6.16	First	Third	Fourth	Second
GWADAR	25.10	5.53	4.68	33.52	Second	Third	Fourth	First
QUETTA	19.43	4.04	3.73	13.62	First	Third	Fourth	Second
ISLAMABAD	29.19	5.33	7.38	19.90	First	Fourth	Third	Second
KOT RADHA KISHAN	15.93	5.09	7.95	23.38	Second	Fourth	Third	First
SHEIKHUPURA	23.74	7.24	8.69	20.68	First	Fourth	Third	Second
HANGU	6.12	3.26	2.30	8.01	Second	Third	Fourth	First
KUCHLAK	15.04	6.67	6.04	10.84	First	Third	Fourth	Second
ABBOTTABAD	22.83	3.82	5.92	20.64	First	Fourth	Third	Second
LOWER DIR	11.87	2.05	9.95	17.81	Second	Fourth	Third	First
MANSEHRA	24.22	2.60	5.82	16.34	First	Fourth	Third	Second
MATIARI	16.22	1.20	18.58	33.24	Third	Fourth	Second	First
MACH	38.67	6.01	2.98	20.02	First	Third	Fourth	Second
PASROOR	18.85	1.43	5.76	21.14	Second	Fourth	Third	First
PISHIN	18.74	10.06	3.18	13.64	First	Third	Fourth	Second
SARGODHA	22.44	7.93	15.15	22.90	Second	Fourth	Third	First
UMERKOT	32.53	4.92	15.05	26.10	First	Fourth	Third	Second

Table4.2: Download User Data Throughput Technology Auto Detect Mode [Fixed Duration] ≥ 3Mbps

DOWNLOAD USER DATA THROUGHPUT IN TECHNOLOGY AUTO DETECT MODE (FIXED SIZE)								
City	Download User Data Throughput [Mbps]				Operator Position			
	Jazz	Telenor	Ufone	ZonG	Jazz	Telenor	Ufone	ZonG
SUKKUR	13.06	7.59	10.55	11.59	First	Fourth	Third	Second
BAHAWALPUR	11.88	7.01	8.10	11.59	First	Fourth	Third	Second
CHARSADDA	4.85	3.52	3.49	5.29	Second	Third	Fourth	First
GWADAR	7.53	4.94	4.57	14.42	Second	Third	Fourth	First
QUETTA	11.77	5.33	4.49	8.22	First	Third	Fourth	Second
ISLAMABAD	12.92	5.15	6.31	11.70	First	Fourth	Third	Second
KOT RADHA KISHAN	9.28	4.75	7.42	13.19	Second	Fourth	Third	First
SHEIKHUPURA	11.73	6.00	7.12	10.47	First	Fourth	Third	Second
HANGU	4.55	3.60	2.98	4.95	Second	Third	Fourth	First
KUCHLAK	10.01	7.23	6.39	8.32	First	Third	Fourth	Second
ABBOTTABAD	11.77	4.62	5.82	11.33	First	Fourth	Third	Second
LOWER DIR	8.67	3.50	7.78	10.81	Second	Fourth	Third	First
MANSEHRA	12.69	3.63	6.01	9.48	First	Fourth	Third	Second
MATIARI	11.80	1.91	10.85	12.51	Second	Fourth	Third	First
MACH	14.98	6.63	5.00	11.69	First	Third	Fourth	Second
PASROOR	9.48	2.56	5.17	11.10	Second	Fourth	Third	First
PISHIN	11.98	6.85	3.66	9.26	First	Third	Fourth	Second
SARGODHA	12.13	5.86	9.11	11.22	First	Fourth	Third	Second
UMERKOT	13.20	5.54	10.77	12.82	First	Fourth	Third	Second

Table4.3: Download User Data Throughput Technology Auto Detect Mode [Fixed Size] ≥ 3Mbps

DOWNLOAD USER DATA THROUGHPUT IN 4G/LTE TECHNOLOGY LOCKED MODE (FIXED DURATION)								
City	Download User Data Throughput [Mbps]				Operator Position			
	Jazz	Telenor	Ufone	ZonG	Jazz	Telenor	Ufone	ZonG
SUKKUR	22.34	11.11	13.54	16.92	First	Fourth	Third	Second
BAHAWALPUR	25.01	8.29	12.44	24.73	First	Fourth	Third	Second
CHARSADDA	19.85	3.46	3.71	19.54	First	Fourth	Third	Second
GWADAR	15.69	1.67	2.10	19.54	Second	Fourth	Third	First
QUETTA	20.38	4.90	3.77	12.74	First	Third	Fourth	Second
ISLAMABAD	24.69	2.50	6.43	20.14	First	Fourth	Third	Second
KOT RADHA KISHAN	10.80	4.06	7.59	29.09	Second	Fourth	Third	First
SHEIKHUPURA	16.95	4.41	7.68	19.57	Second	Fourth	Third	First
HANGU	15.38	4.16	2.73	15.55	Second	Third	Fourth	First
KUHLAK	16.83	7.23	5.97	11.54	First	Third	Fourth	Second
ABBOTTABAD	19.52	2.49	5.53	15.33	First	Fourth	Third	Second
LOWER DIR	9.09	1.59	11.41	17.94	Third	Fourth	Second	First
MANSEHRA	20.74	1.73	4.90	11.01	First	Fourth	Third	Second
MATIARI	19.10	0.88	19.20	25.95	Third	Fourth	Second	First
MACH	41.10	4.49	1.71	14.86	First	Third	Fourth	Second
PASROOR	12.48	0.73	3.06	14.87	Second	Fourth	Third	First
PISHIN	22.04	7.99	3.22	12.71	First	Third	Fourth	Second
SARGODHA	26.76	5.83	9.62	15.91	First	Fourth	Third	Second
UMERKOT	37.14	2.33	12.45	19.51	First	Fourth	Third	Second

Table 4.4: Download User Data Throughput 4G/LTE Technology Locked Mode [Fixed Duration] \geq 3Mbps

DOWNLOAD USER DATA THROUGHPUT IN 3G TECHNOLOGY LOCKED MODE (FIXED DURATION)								
City	Download User Data Throughput [Kbps]				Operator Position			
	Jazz	Telenor	Ufone	ZonG	Jazz	Telenor	Ufone	ZonG
SUKKUR	2339.96	4633.5	4224.01	1655.74	Third	First	Second	Fourth
BAHAWALPUR	972.39	2926.68	3995.99	3460.14	Fourth	Third	First	Second
CHARSADDA	2536.21	1780.6	2440.74	1351.41	First	Third	Second	Fourth
GWADAR	2269.68	2126.73	3126.87	3127.66	Third	Fourth	Second	First
QUETTA	2082.55	1291.98	2383.95	1456.16	Second	Fourth	First	Third
ISLAMABAD	2453.45	2329.68	3263.65	2098.13	Second	Third	First	Fourth
KOT RADHA KISHAN	3786.1	2622.45	3738.78	4236.46	Second	Fourth	Third	First
SHEIKHUPURA	1959.49	2867.51	3327.15	2906.27	Fourth	Third	First	Second
HANGU	3072.82	2193.34	2132.12	4069	Second	Third	Fourth	First
KUHLAK	1729.95	1356.62	4180.4	1643.09	Second	Fourth	First	Third
ABBOTTABAD	1852.56	1584.23	2529.04	1667.47	Second	Fourth	First	Third
LOWER DIR	1818.19	1201.95	3027.02	2541.63	Third	Fourth	First	Second
MANSEHRA	1887.62	1250.17	2287.58	2064.28	Third	Fourth	First	Second
MATIARI	2392.82	3163.66	2395.15	2312.9	Third	First	Second	Fourth
MACH	N/A	2952.48	3020.48	4809.64	N/A	Third	Second	First
PASROOR	1316.7	528	2258.24	3651.64	Third	Fourth	Second	First
PISHIN	4255.19	3763.15	2187.15	1181.63	First	Second	Third	Fourth
SARGODHA	1479.7	2431.56	3999.65	2782.72	Fourth	Third	First	Second
UMERKOT	N/A	1183.83	2856.57	3314.59	N/A	Third	Second	First

Table 4.5: Download User Data Throughput IN 3G Technology Locked Mode [Fixed Duration] \geq 512Kbps

4.3. **UPLOAD USER DATA THROUGHPUT.** As per Cellular Mobile Network Quality of Service (QoS) Regulations 2021, licensees are required to meet the threshold of minimum of 786Kbps of 4G/LTE & 128Kbps of 3G of Upload User Data Throughput. The results of Data Service QoS KPI i.e. Upload User Data Throughput is shown in (i). Table 4.6: Upload User Data Throughput Technology Auto Detect Mode [Fixed Duration] \geq 768Kbps, (ii). Table 4.7: Upload User Data Throughput Technology Auto Detect Mode