

DOWNLOAD USER DATA THROUGHPUT IN TECHNOLOGY AUTO DETECT MODE (FIXED SIZE)								
City	User Data Throughput [Mbps]				Operator Position			
	Jazz	Telenor	Ufone	ZonG	Jazz	Telenor	Ufone	ZonG
Mardan	8.01	4.12	8.93	7.22	Second	Fourth	First	Third
Faisalabad	5.75	6.49	13.23	9.90	Fourth	Third	First	Second
Mastung	9.34	6.39	5.85	7.50	First	Third	Fourth	Second
Gojra	6.02	4.26	11.63	7.82	Third	Fourth	First	Second
Multan	9.36	6.33	13.33	14.77	Third	Fourth	Second	First
Ziarat	N/A	8.29	10.97	15.98	N/A	Third	Second	First
Khuzdar	12.73	4.43	4.49	6.70	First	Fourth	Third	Second
Usta Muhammad	6.90	5.74	5.12	8.78	Second	Third	Fourth	First
Sibbi	11.72	7.42	6.50	9.01	First	Third	Fourth	Second
Abbottabad	7.78	5.45	8.29	8.38	Third	Fourth	Second	First
Haripur	8.54	5.36	7.92	9.26	Second	Fourth	Third	First
Khanewal	1.97	1.78	2.36	1.56	Second	Third	First	Fourth

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

DOWNLOAD USER DATA THROUGHPUT IN 4G/LTE TECHNOLOGY LOCKED MODE (FIXED DURATION)								
City	User Data Throughput [Mbps]				Operator Position			
	Jazz	Telenor	Ufone	ZonG	Jazz	Telenor	Ufone	ZonG
Batkheela	4.83	0.74	N/A	15.37	Second	Third	N/A	First
Mingora	11.17	0.82	10.48	11.40	Second	Fourth	Third	First
Mardan	12.47	1.12	14.92	9.63	Second	Fourth	First	Third
Faisalabad	9.59	5.91	24.62	19.40	Third	Fourth	First	Second
Mastung	14.95	7.12	7.29	8.95	First	Fourth	Third	Second
Gojra	10.04	2.92	19.86	15.68	Third	Fourth	First	Second
Multan	11.22	4.78	18.81	19.37	Third	Fourth	Second	First
Ziarat	N/A	9.72	15.59	29.12	N/A	Third	Second	First
Khuzdar	29.96	2.71	3.58	11.44	First	Fourth	Third	Second
Usta Muhammad	6.91	7.89	4.24	11.93	Third	Second	Fourth	First
Sibbi	16.47	9.39	6.11	12.06	First	Third	Fourth	Second
Abbottabad	9.28	1.81	10.54	9.60	Third	Fourth	First	Second
Haripur	13.19	1.44	9.74	9.69	First	Fourth	Second	Third
Khanewal	10.07	10.58	28.36	9.78	Third	Second	First	Fourth

Table 4.4: Download User Data Throughput 4G/LTE Technology Locked Mode [Fixed Duration] ≥ 2Mbps

DOWNLOAD USER DATA THROUGHPUT IN 3G TECHNOLOGY LOCKED MODE (FIXED DURATION)								
City	User Data Throughput [Kbps]				Operator Position			
	Jazz	Telenor	Ufone	ZonG	Jazz	Telenor	Ufone	ZonG
Batkheela	935.76	785.27	1696.89	2141.48	Third	Fourth	Second	First
Mingora	1730.53	1041.41	2810.6	1416.41	Second	Fourth	First	Third
Mardan	2885.47	1543.82	4586.46	918.71	Second	Third	First	Fourth
Faisalabad	3125.88	2294.22	4472.22	3628.77	Third	Fourth	First	Second
Mastung	N/A	2227.76	2622.14	784.26	N/A	Second	First	Third
Gojra	2315.47	1806.56	5029.68	1449.71	Second	Third	First	Fourth
Multan	3113.37	3059.83	4586.97	1436.97	Second	Third	First	Fourth
Ziarat	N/A	3124.7	1517.63	3281.05	N/A	Second	Third	First
Khuzdar	N/A	1519.73	1982.06	1622.88	N/A	Third	Second	First
Usta Muhammad	3548.79	1542.6	2951.21	1020.76	First	Third	Second	Fourth
Sibbi	4205.06	2337.46	2634.34	2077.19	First	Third	Second	Fourth
Abbottabad	1384.41	1413.91	2798.83	725.44	Third	Second	First	Fourth
Haripur	1630.35	1389.18	2593.13	1114.59	Second	Third	First	Fourth
Khanewal	2700.89	2874.25	3499.6	1437.6	Third	Second	First	Fourth

Table 4.5: Download User Data Throughput IN 3G Technology Locked Mode [Fixed Duration] ≥ 256Kbps

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 512Kbps of 4G/LTE & 64Kbps 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 512Kbps, (ii). Table 4.7: Upload User Data Throughput Technology Auto Detect Mode [Fixed Size] \geq 512Kbps, (iii). Table 4.8: Upload User Data Throughput in 4G/LTE Technology Locked Mode [Fixed Duration] \geq 512Kbps & (iv). Table 4.9: Upload User Data Throughput in 3G Technology Locked Mode [Fixed Duration] \geq 64Kbps.

UPLOAD USER DATA THROUGHPUT IN TECHNOLOGY AUTO DETECT MODE (FIXED DURATION)								
<i>City</i>	Auto mode Throughput [Mbps]				Operator Position			
	Jazz	Telenor	Ufone	ZonG	Jazz	Telenor	Ufone	ZonG
Batkhela	10968.11	4424.26	1966.04	15772.26	Second	Third	Fourth	First
Mingora	10789.3	3228.92	14860.23	14035.02	Third	Fourth	First	Second
Mardan	12681.92	5273.38	17848.94	14225.66	Third	Fourth	First	Second
Faisalabad	10733.04	6966.78	22034.91	21324.09	Third	Fourth	First	Second
Mastung	12741.05	3330.67	19329.84	20693.37	Third	Fourth	Second	First
Gojra	10891.1	6564.83	24146.49	22020.55	Third	Fourth	First	Second
Multan	17150.9	8020.32	24833.92	34365.2	Third	Fourth	Second	First
Ziarat	N/A	10257.88	17401.3	22055.51	N/A	Third	Second	First
Khuzdar	10175.93	4826.65	12433.35	14845.75	Third	Fourth	Second	First
Usta Muhammad	20008.45	5962.74	22253.42	15131.94	Second	Fourth	First	Third
Sibbi	18073.23	6630.55	21885.08	15604.36	Second	Fourth	First	Third
Abbottabad	14777.86	6078.9	20064.05	16269.99	Third	Fourth	First	Second
Haripur	15161.85	5439.44	18532.37	15555.69	Third	Fourth	First	Second
Khanewal	17011.26	5252.45	21741.22	9732.95	Second	Fourth	First	Third

Table 4.6: Upload User Data Throughput Technology Auto Detect Mode [Fixed Duration] \geq 512Kbps

UPLOAD USER DATA THROUGHPUT IN TECHNOLOGY AUTO DETECT MODE (FIXED SIZE)								
<i>City</i>	Auto mode Throughput [Mbps]				Operator Position			
	Jazz	Telenor	Ufone	ZonG	Jazz	Telenor	Ufone	ZonG
Batkhela	7423.17	11019.43	5155.98	8371.27	Third	First	Fourth	Second
Mingora	7558.8	9224.86	15354.44	9094.68	Fourth	Second	First	Third
Mardan	7699.22	10893.36	12796.97	8550.89	Fourth	Second	First	Third
Faisalabad	6642.72	11054.16	18173.88	12856.82	Fourth	Third	First	Second
Mastung	10856.14	11034.06	19408.41	13874.1	Third	Second	First	Fourth
Gojra	7536.6	8975.13	14985.84	13233.05	Fourth	Third	First	Second
Multan	10982.58	12042.22	17465.18	18824.31	Fourth	Third	Second	First
Ziarat	N/A	12964.81	17829.64	18516.71	N/A	Third	Second	First
Khuzdar	10971.75	8333.14	12028.67	12766.49	Third	Fourth	Second	First
Usta Muhammad	11351.63	11423.72	14757.01	13564.67	Fourth	Third	First	Second
Sibbi	11390.73	10715.18	16478.38	15098.5	Third	Fourth	First	Second
Abbottabad	8781.81	11412.5	13417.44	10281.77	Fourth	Second	First	Third
Haripur	8751.37	11039.69	15960.25	10211.5	Fourth	Second	First	Third
Khanewal	13445.87	9793.66	18593.04	7667.97	Second	Third	First	Fourth

Table 4.7: Upload User Data Throughput Technology Auto Detect Mode [Fixed Size] \geq 512Kbps

UPLOAD USER DATA THROUGHPUT IN 4G TECHNOLOGY LOCKED MODE (FIXED DURATION)								
<i>City</i>	Auto mode Throughput [Mbps]				Operator Position			
	Jazz	Telenor	Ufone	ZonG	Jazz	Telenor	Ufone	ZonG
Batkhela	7018.11	2430.92	N/A	7934.22	Second	Third	N/A	First