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
MIRPUR KHAS	29.70	6.50	11.20	23.41	First	Fourth	Third	Second
NOWSHERA	28.25	5.02	6.29	15.75	First	Fourth	Third	Second
OKARA	23.30	7.60	11.52	22.96	First	Fourth	Third	Second
PESHAWAR	23.47	**3.89**	4.79	12.20	First	**Fourth**	Third	Second
QUETTA	24.20	7.80	6.81	14.92	First	Third	Fourth	Second
SEHWAN	14.70	8.21	12.38	23.80	Second	Fourth	Third	First
THATTA	34.60	9.30	8.20	23.74	First	Third	Fourth	Second

Table4.2: Download User Data Throughput Technology Auto Detect Mode [Fixed Duration] $\geq$ 4Mbps

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
BATTAGRAM	12.10	**3.10**	8.04	11.04	First	**Fourth**	Third	Second
BESHAM	15.70	4.50	**N/A**	15.73	Second	Third	**N/A**	First
DADU	10.65	5.04	6.39	10.22	First	Fourth	Third	Second
DASKA	10.38	4.99	10.74	11.66	Third	Fourth	Second	First
DERA ALLAH YAR	20.50	4.40	5.21	18.70	First	Fourth	Third	Second
GHOTKI	9.29	6.17	4.66	10.13	Second	Third	Fourth	First
ISLAMABAD	12.75	5.56	6.40	10.43	First	Fourth	Third	Second
JHANG	13.76	6.51	6.50	9.20	First	Third	Fourth	Second
KHUSHAB	13.24	8.52	4.05	10.87	First	Third	Fourth	Second
MUZAFARGARH	12.10	8.70	6.58	13.68	Second	Third	Fourth	First
MIRPUR KHAS	12.50	5.90	8.85	14.19	Second	Fourth	Third	First
NOWSHERA	12.25	4.77	6.85	8.95	First	Fourth	Third	Second
OKARA	9.60	6.80	8.84	11.23	Second	Fourth	Third	First
PESHAWAR	11.12	4.63	5.30	7.80	First	Fourth	Third	Second
QUETTA	11.80	6.70	6.02	10.55	First	Third	Fourth	Second
SEHWAN	10.84	6.68	7.70	12.60	Second	Fourth	Third	First
THATTA	16.40	8.00	7.59	14.23	First	Third	Fourth	Second

Table4.3: Download User Data Throughput Technology Auto Detect Mode [Fixed Size] $\geq$ 4Mbps

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 1 Mbps of 4G/LTE. The results of Data Service QoS KPI i.e. Upload User Data Throughput is shown in (i). **Table 4.4: Upload User Data Throughput Technology Auto Detect Mode [Fixed Duration] $\geq$ 1 Mbps,** (ii). **Table 4.5: Upload User Data Throughput Technology Auto Detect Mode [Fixed Size] $\geq$ 1Mbps,**

UPLOAD USER DATA THROUGHPUT IN TECHNOLOGY AUTO DETECT MODE (FIXED DURATION)								
City	Upload User Data Throughput [Mbps]				Operator Position			
	Jazz	Telenor	Ufone	ZonG	Jazz	Telenor	Ufone	ZonG
BATTAGRAM	24.3	4.6	18.88	11.72	First	Fourth	Second	Third
BESHAM	23.1	5.0	**N/A**	13.4	First	Third	**N/A**	Second
DADU	20.33	3.69	15.56	22.23	Second	Fourth	Third	First
DASKA	21.8	5.3	19.7	26.6	Second	Fourth	Third	First
DERA ALLAH YAR	1.90	2.90	3.20	1.80	Third	Second	First	Fourth
GHOTKI	25.21	5.28	14.80	22.04	First	Fourth	Third	Second
ISLAMABAD	19.39	7.56	14.11	13.52	First	Fourth	Second	Third
JHANG	23.26	5.95	18.61	24.87	Second	Fourth	Third	First

UPLOAD USER DATA THROUGHPUT IN TECHNOLOGY AUTO DETECT MODE (FIXED DURATION)								
City	Upload User Data Throughput [Mbps]				Operator Position			
	Jazz	Telenor	Ufone	ZonG	Jazz	Telenor	Ufone	ZonG
KHUSHAB	25.01	5.92	12.99	23.44	First	Fourth	Third	Second
MUZAFARGARH	24.9	8.3	16.2	23.51	First	Fourth	Third	Second
MIRPUR KHAS	23.5	3.8	23.6	22.04	Second	Fourth	First	Third
NOWSHERA	23.45	8.26	15.13	17.94	First	Fourth	Third	Second
OKARA	21	7.3	17.77	20	First	Fourth	Third	Second
PESHAWAR	21.98	6.22	11.89	16.35	First	Fourth	Third	Second
QUETTA	20.4	5.9	12.91	13.33	First	Fourth	Third	Second
SEHWAN	20.96	65.12	6.8	26	Third	First	Fourth	Second
THATTA	33.1	6.5	21.57	27.57	First	Fourth	Third	Second

Table 4.4: Upload User Data Throughput Technology Auto Detect Mode [Fixed Duration] $\geq$ 1 Mbps

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
BATTAGRAM	6.2	4	7.48	5.9	Second	Fourth	First	Third
BESHAM	6.8	4.2	N/A	4.84	First	Third	N/A	Second
DADU	6.08	3.42	6.28	6.41	Third	Fourth	Second	First
DASKA	6.4	4.2	7.2	8.2	Third	Fourth	Second	First
DERA ALLAH YAR	24.5	3.7	16.07	19.06	First	Fourth	Third	Second
GHOTKI	6.13	4.27	5.73	6.11	First	Fourth	Third	Second
ISLAMABAD	6.00	5.00	6.19	5.92	Second	Fourth	First	Third
JHANG	6.37	4.44	7.29	6.68	Third	Fourth	First	Second
KHUSHAB	6.32	4.27	5.44	6.81	Second	Fourth	Third	First
MUZAFARGARH	5.8	5.5	6.33	7.03	Third	Fourth	Second	First
MIRPUR KHAS	7.8	3.6	9.14	8.38	Third	Fourth	First	Second
NOWSHERA	5.90	5.36	6.70	6.07	Third	Fourth	First	Second
OKARA	5.8	5	6.7	6.43	Third	Fourth	First	Second
PESHAWAR	5.63	4.36	5.05	5.92	Second	Fourth	Third	First
QUETTA	5.8	4.6	6.43	7.26	Third	Fourth	Second	First
SEHWAN	6.54	4.9	2.3	8.5	Second	Third	Fourth	First
THATTA	8.6	5.3	8.76	9.71	Third	Fourth	Second	First

Table 4.5: Upload User Data Throughput Technology Auto Detect Mode [Fixed Size] $\geq$ 1 Mbps

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 are shown in **Table 4.6: Webpage Loading Time < 5 Seconds.**

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
BATTAGRAM	2.40	**7.00**	1.90	2.30	Yes	**No**	Yes	Yes
BESHAM	2.20	**6.60**	N/A	2.20	Yes	**No**	N/A	Yes
DADU	2.68	2.86	3.35	2.21	Yes	Yes	Yes	Yes
DASKA	2.47	3.18	2.30	2.27	Yes	Yes	Yes	Yes
DERA ALLAH YAR	1.9	2.9	3.2	1.8	Yes	Yes	Yes	Yes
GHOTKI	2.11	2.66	3.16	2.16	Yes	Yes	Yes	Yes