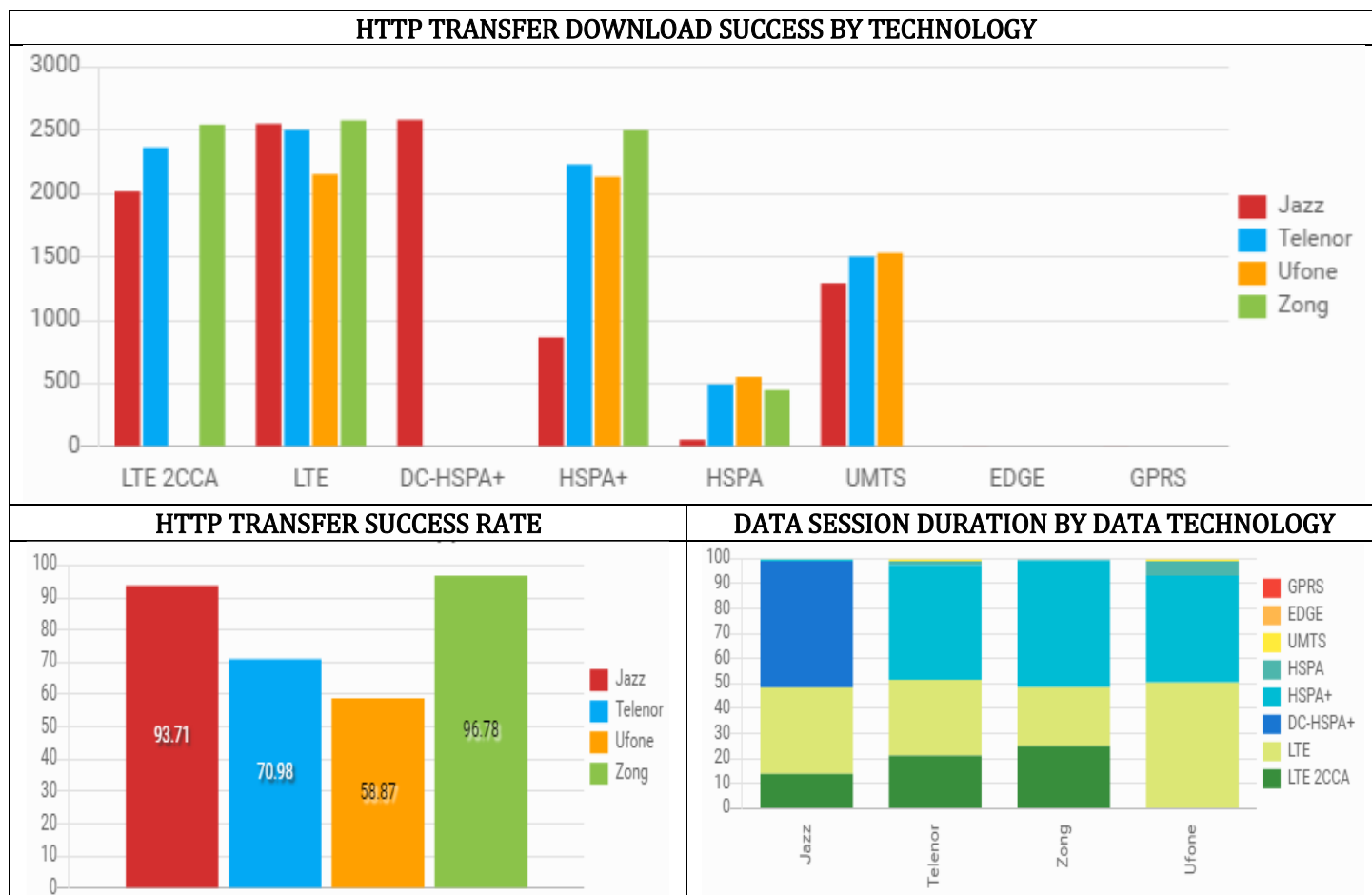


4.3. **3G USER DATA THROUGHPUT.** As per Next Generation Mobile Service (NGMS) licenses awarded, licensees are required to meet the threshold of minimum of 256Kbps of 3G User Data Throughput. The results of Data Service QoS KPI i.e. User Data Throughput is shown in **Table4.3: 3G User Data Throughput \geq 256Kbps**.

3G DATA								
City	Throughput (In Kbps)				Highest Throughput			
	Jazz	Telenor	Ufone	ZonG	Jazz	Telenor	Ufone	ZonG
Jhang	4478.48	2022.75	4676.25	862.15	Second	Third	First	Fourth
Sialkot	3514.91	2802.62	3791.57	2224.03	Second	Third	First	Fourth
Vehari	1773.99	5347.01	4951.77	2376.52	Fourth	First	Second	Third
Dera Ghazi Khan	3437.35	1993.59	3530.71	1538.55	Second	Third	First	Fourth
Bannu	2934.74	1667.14	2831.62	1402.50	First	Third	Second	Fourth
Dera Ismail Khan	5028.43	1049.96	3548.42	1911.97	First	Fourth	Second	Third
Thatta	2334.18	4260.88	4271.92	884.26	Third	Second	First	Fourth
Tando Allah Yar	1486.40	2718.97	3383.15	1171.85	Third	Second	First	Fourth
Korangi	3729.09	3530.53	4865.94	1083.41	Second	Third	First	Fourth
Malir	3635.32	3695.63	4694.58	1304.10	Third	Second	First	Fourth

Table4.3: 3G User Data Throughput \geq 256Kbps

4.4. During the survey, the deployed technologies by Cellular Mobile Operators (CMOs), Success Rate of http Transfer Download Tests, Data Technologies during the Data Sessions alongwith Technology Bands have been recorded. The details can be seen in attached graphs.



SMS SERVICE

6.1. A total of 9897 SMS sending attempt conducted, out of 9719 SMS successfully received at B-Party. The company wise SMS Statistics are shown in **Table 6.1: SMS Statistics**

DESCRIPTION	JAZZ	TELENOR	UFONE	ZONG
<i>SMS SEND REQUEST</i>	2567	2369	2385	2576
<i>SMS SUCCESSFULLY RECEIVED</i>	2515	2308	2327	2569
<i>SMS RECEIVE SUCCESS RATE</i>	97.97%	97.42%	97.56%	99.72%

6.2. 2 x QoS KPIs i.e. “SMS Success Rate” and “SMS End to End Delivery Time” have been measured. The compliance level of threshold values of SMS QoS KPIs in each city is shown in **Table 6.2: SMS QoS KPIs Compliance Level**.

SMS SERVICE - COMPLIANT (YES/NO)									
Operator		Jazz		Telenor		Ufone		Zong	
*SMS QoS KPI		SR	DT	SR	DT	SR	DT	SR	DT
Cities	Jhang	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Sialkot	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Vehari	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Dera Ghazi Khan	Yes	Yes	No	Yes	No	Yes	Yes	Yes
	Bannu	Yes	Yes	No	Yes	No	Yes	Yes	Yes
	Dera Ismail Khan	Yes	Yes	No	No	Yes	Yes	Yes	Yes
	Thatta	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Tando Allah Yar	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Korangi	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes
	Malir	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
* Note SMS QoS KPIs : SMS Success Rate (SR) $\geq 99\%$ & SMS End to End Delivery Time (DT) ≤ 12 Seconds									

Table 6.2: SMS QoS KPIs Compliance Level

6.3. The SMS Send Request by Technology, Success Rate and End to End Delivery Time is shown as under:

