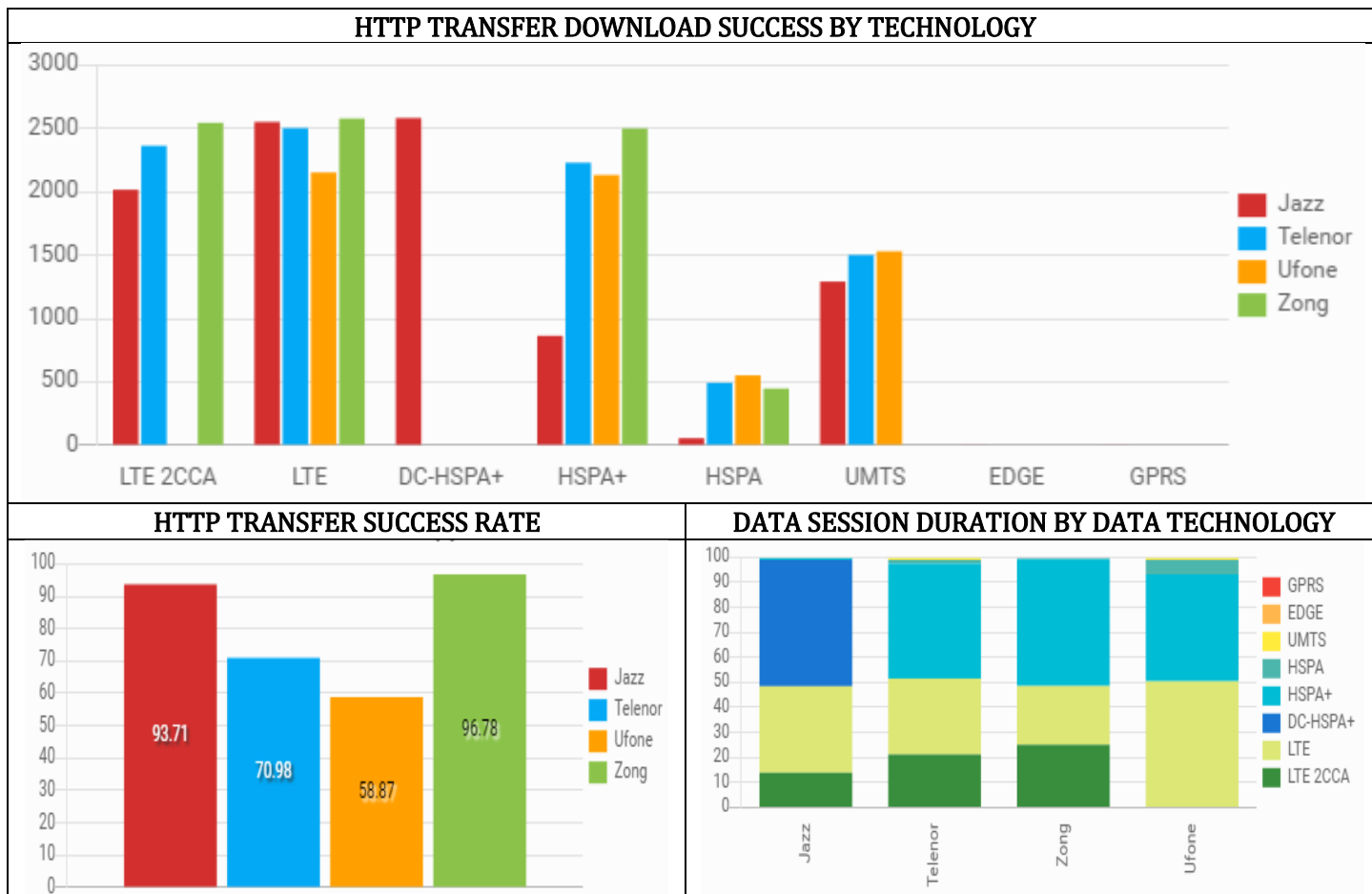


4.3. **3G USER DATA THROUGHPUT.** As per Next Generation Mobile Service (NGMS) licenses awarded, licensees are required to meet the threshold of minimum of 256Kbps of 3G User Data Throughput. The results of Data Service QoS KPI i.e. User Data Throughput is shown in **Table4.3: 3G User Data Throughput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



VOICE SERVICE CITIES – (COMPLIANT (YES/NO))											
Operator	*Voice QoS KPIs	Jhang	Sialkot	Vehari	DG Khan	Bannu	DI Khan	Thatta	Tando Allah Yar	Korangi	Malir
Jazz	NA	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	SA	No	No	Yes	No	Yes	No	No	No	No	Yes
	CCT	Yes	No	Yes	No	Yes	No	No	Yes	Yes	Yes
	CCR	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	MOS	No	Yes	No	No	Yes	Yes	Yes	Yes	Yes	Yes
	ISHO	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	RSSR	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Telenor	NA	Yes	No	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes
	SA	Yes	No	Yes	Yes	Yes	No	Yes	Yes	No	No
	CCT	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes
	CCR	No	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No
	MOS	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	ISHO	Yes	Yes	No	Yes	Yes	Yes	Yes	N/A	Yes	No
	RSSR	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Ufone	NA	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No	No
	SA	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes	Yes
	CCT	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	CCR	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	MOS	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	ISHO	Yes	Yes	Yes	Yes	No	Yes	No	Yes	Yes	No
	RSSR	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ZonG	NA	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	SA	No	No	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes
	CCT	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	CCR	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	MOS	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	RSSR	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
* Note Voice QoS KPIs: Network Accessibility (NA) > 99%, Service Accessibility (SA) > 98%, Call Connection Time (CCT) ≤ 7.5 Seconds, Call Completion Ratio (CCR) ≥ 98%, Mean Opinion Score (MOS) > 3, Inter System Hand Over (ISHO) > 98% & RAB Setup Success Rate (RSSR) > 98%											

Table 5.2: Voice QoS KPIs Compliance Level