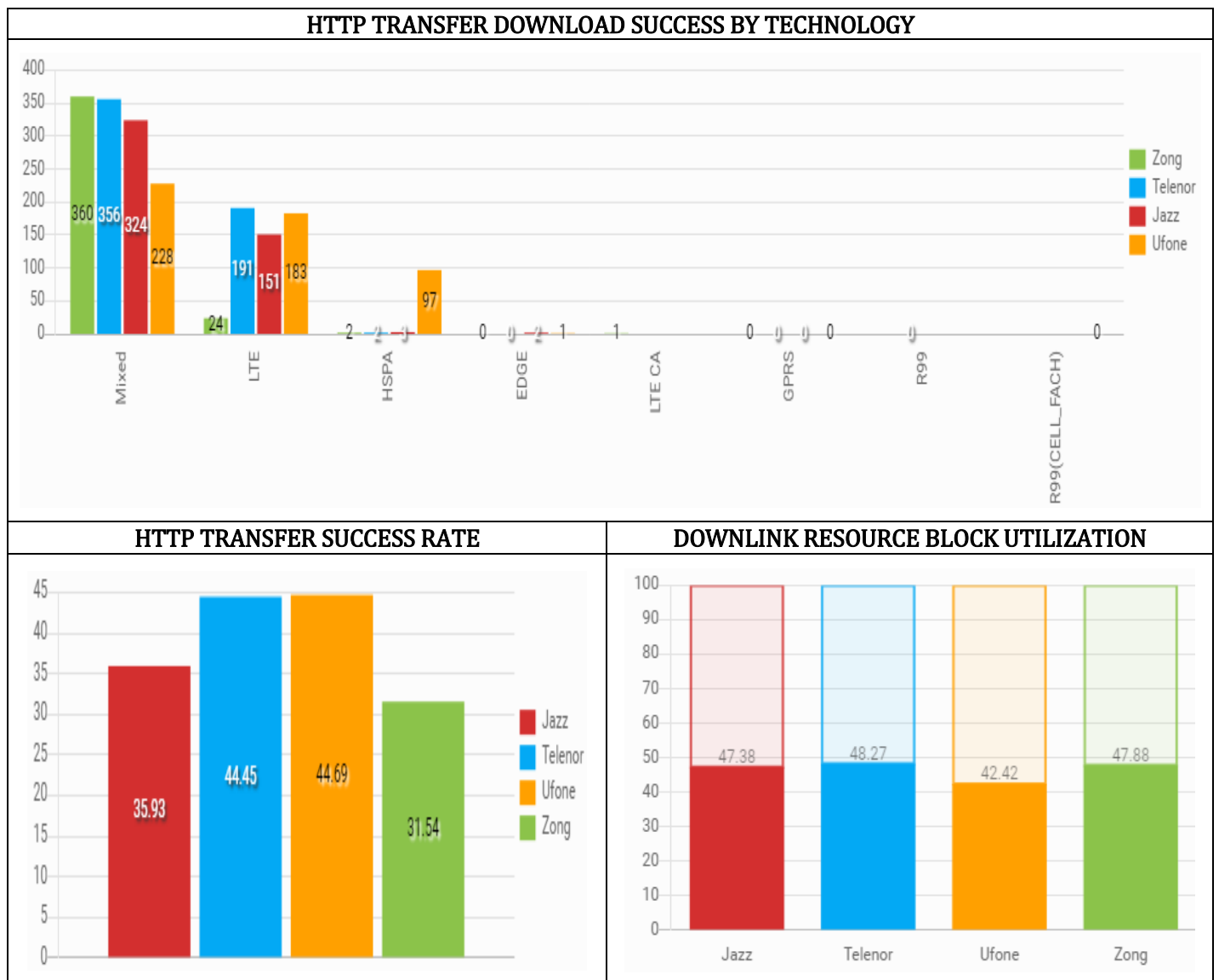


Road Name	Throughput (Mbps)				Operator Position			
	Jazz	Telenor	Ufone	ZonG	Jazz	Telenor	Ufone	ZonG
Multan to Khanewal	8.09	7.94	2.81	14.94	Second	Third	Fourth	First
Multan to Muzaffargarh	7.52	3.28	1.44	21.21	Second	Third	Fourth	First
Quetta to Mastung	6.95	2.16	3.44	9.55	Second	Fourth	Third	First
Quetta to Loralai	8.32	3.42	2.99	11.19	Second	Third	Fourth	First
Quetta to Dera Murad Jamali	16.53	3.23	3.85	13.55	First	Fourth	Third	Second
Peshawar to Mardan	8.48	3.14	3.35	14.54	Second	Fourth	Third	First
Lahore to Sargodha	9.09	1.55	2.20	8.75	First	Fourth	Third	Second
Lahore to Gujrat	7.05	2.87	12.15	11.57	Third	Fourth	First	Second
Abbottabad to Battagram	16.59	3.98	14.33	18.76	Second	Fourth	Second	First

Table4.2: 4G User Data Throughput \geq 2 Mbps

4.3. 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 and Resource Block Utilization have been recorded. The details can be seen in attached graphs.



VOICE CALLS ROADS – COMPLIANCE (YES/NO)										
Operator	*Voice KPIs	Multan to Khanewal	Multan to Muzaffargarh	Quetta to Mastung	Quetta to Loralai	Quetta to Dera Murad Jamali	Peshawar to Mardan	Lahore to Sargodha	Lahore to Gujrat	Abbottabad to Battagram
Jazz	NA	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes
	SA	No	No	No	No	No	No	No	No	No
	CCT	Yes	Yes	No	No	No	Yes	Yes	Yes	Yes
	CCR	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	No
	MOS	No	Yes	No	No	No	No	No	Yes	No
	ISHO	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
	RSSR	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Telenor	NA	Yes	Yes	No	Yes	No	Yes	Yes	Yes	Yes
	SA	Yes	No	No	No	No	No	No	No	No
	CCT	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	CCR	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No
	MOS	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No
	ISHO	N/A	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	RSSR	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Ufone	NA	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes
	SA	Yes	No	No	No	No	Yes	No	No	No
	CCT	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes
	CCR	No	No	Yes	Yes	No	No	Yes	Yes	No
	MOS	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes
	ISHO	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	RSSR	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ZonG	NA	Yes	No	Yes	No	No	Yes	Yes	Yes	Yes
	SA	Yes	No	No	No	No	No	No	No	No
	CCT	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes
	CCR	No	No	Yes	No	No	No	Yes	Yes	Yes
	MOS	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	ISHO	N/A								
	RSSR	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