

VOICE CALLS ROADS – COMPLIANCE (YES/NO)								
Operator	*Voice KPIs	Hazara Motorway	Quetta To Karachi	Haripur To Taxila	Pindi Bhatian To Multan	Multan to Sukkur	Nowshera To Chitral	Swabi To Katlang
Jazz	NA	Yes	No	Yes	Yes	Yes	Yes	Yes
	SA	No	No	No	Yes	No	No	Yes
	CCT	Yes	Yes	Yes	Yes	Yes	No	Yes
	CCR	No	No	No	Yes	No	No	Yes
	MOS	Yes	Yes	No	Yes	Yes	No	No
	ISHO	Yes	Yes	Yes	N/A	Yes	Yes	Yes
	RSSR	Yes	Yes	Yes	N/A	Yes	Yes	Yes
Telenor	NA	Yes	No	Yes	Yes	Yes	Yes	Yes
	SA	No	No	No	No	No	No	No
	CCT	No	Yes	No	Yes	Yes	Yes	Yes
	CCR	No	No	No	No	No	No	No
	MOS	No	No	No	Yes	Yes	Yes	Yes
	ISHO	N/A	Yes	N/A	N/A	Yes	Yes	Yes
	RSSR	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Ufone	NA	Yes	Yes	Yes	Yes	Yes	No	No
	SA	No	No	No	No	No	No	Yes
	CCT	Yes	Yes	Yes	No	No	Yes	Yes
	CCR	No	No	No	Yes	Yes	No	No
	MOS	Yes	Yes	Yes	No	No	Yes	No
	ISHO	No	Yes	Yes	No	No	No	No
	RSSR	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Zong	NA	Yes	No	Yes	Yes	Yes	No	No
	SA	No	No	No	No	No	No	Yes
	CCT	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	CCR	Yes	No	No	No	Yes	No	Yes
	MOS	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	ISHO	N/A						
	RSSR	Yes	Yes	Yes	Yes	Yes	Yes	Yes

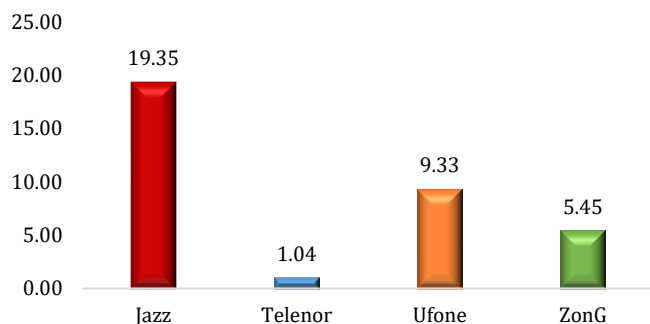
** Note Voice QoS KPIs: Network Accessibility (NA) > 99%, Service Accessibility (SA) > 98%, Call Connection Time (CCT) ≤ 7.5 Seconds, Call Completion Ratio (CCR) ≥ 98%, Mean Opinion Score (MOS) > 3, Inter System Hand Over (ISHO) > 98% & RAB Setup Success Rate (RSSR) > 98%*

Table 5.1: Voice QoS KPIs Compliance Level

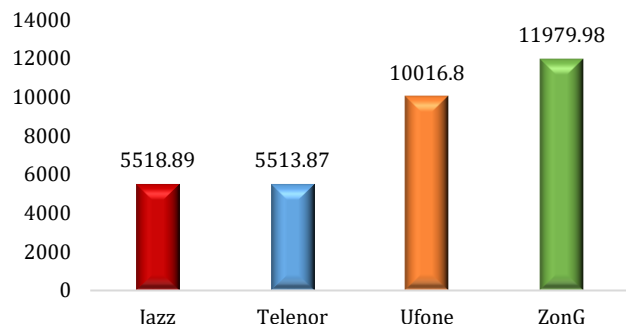
VOICE CALLS ROADS – COMPLIANCE (YES/NO)							
Operator	*Voice KPIs	Islamabad To Kohala	Islamabad To Peshawar	Lahore to Abdul Hakeem	Lahore to Islamabad	Lahore To Sialkot	Rawalpindi To Turkham
Jazz	NA	Yes	Yes	Yes	Yes	Yes	Yes
	SA	No	No	No	No	No	No
	CCT	Yes	Yes	N/A	No	N/A	No
	CCR	No	Yes	No	Yes	No	No
	MOS	No	No	Yes	Yes	Yes	Yes
	ISHO	Yes	Yes	Yes	No	N/A	No
	RSSR	Yes	Yes	Yes	Yes	N/A	Yes
Telenor	NA	Yes	Yes	Yes	Yes	Yes	Yes
	SA	No	No	No	No	No	No
	CCT	No	No	Yes	No	Yes	Yes
	CCR	No	No	No	No	No	No
	MOS	No	No	Yes	No	No	Yes

QUALITY OF SERVICE SURVEY RESULTS (4G) – SWABI TO KATLANG

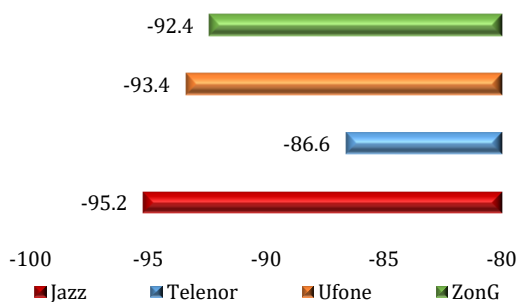
**User Data Throughput Download (4G)
> 2 Mbps**



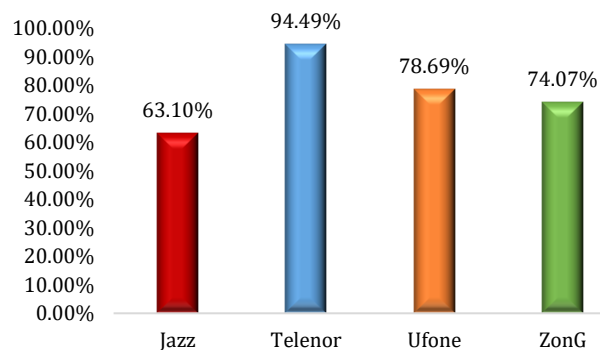
**User Data Throughput Upload (4G)
> 512 Kbps**



Signal Strength (RSRP) > -100dBm



Signal Strength (RSRP) Confidence Level > 90%



Latency (4G) <75 ms

