

SURVEY MAPS & GRAPHICAL RESULTS

7.1 The 4G/LTE (RSRP) 3G (RSCP) and 2G (RxLev) Signal Strength samples recorded during drive test on survey routes and plotted on maps. Coverage Maps of Voice Services Signal Strength are shown at **Annex-A**, Voice & SMS QoS KPIs survey results in graphical form are shown at **Annex-B**. Data Services Signal Strengths of SCOM are shown at **Annex-C** wherein **Annex-D** contains Data Services QoS KPIs survey results for 7x cities of Gilgit Baltistan.

STANDING IN SURVEY

8.1 CMOs have been prioritized/ placed at 1st, 2nd, 3rd, 4th & 5th position in each category i.e. Mobile Network Coverage, Mobile Broadband Service and Voice Service based upon the compliance level against each QoS KPI in each category in 7 x surveyed cities.

- a. **MOBILE NETWORK COVERAGE.** The compliance level of SCOM as per SignalStrength of 4G and 3G Networks is shown in **Table 8.1: Mobile Network Coverage Compliance.**

S. #	Technology	SCOM Compliance Level – Number of Cities		Standing
		Compliant	Non-Compliant	
1.	4G	7	0	1 st
2.	3G	7	0	

Table 8.1: Mobile Network Coverage Compliance

- b. **MOBILE BROADBAND SERVICE.** The categorization of each CMOs, as per the highest to lowest obtained User Data Throughput in 4G/LTE Networks is shown in **Table 8.2: CMOs Standing in Mobile Broadband Service.**

S. #	Operator	Technology	Highest Throughput – Number of Cities					Standing
			1 st	2 nd	3 rd	4 th	5 th	
1.	SCOM	4G	7	-	-	-	-	1 st
		3G	7	-	-	-	-	
2.	ZonG	Services Not Available						-
3.	Telenor							-
4.	Ufone							-
5.	Jazz							-

Table 8.2: CMOs Standing in Mobile Broadband Service

- c. **VOICE SERVICE.** The categorization of each CMOs, as per the maximum compliance of Voice QoS KPIs is shown in **Table 8.3: CMOs Standing in Voice Service.**

S. #.	Operator	Voice QoS KPIs		Standing
		Compliant	Non-Compliant	
1.	SCOM	49	-	1 st
2.	Ufone	34	1	2 nd
3.	Telenor	34	1	2 nd
4.	ZonG	33	2	3 rd
5.	Jazz	26	4	4 th

Table 8.3: CMOs Standing in Voice Service

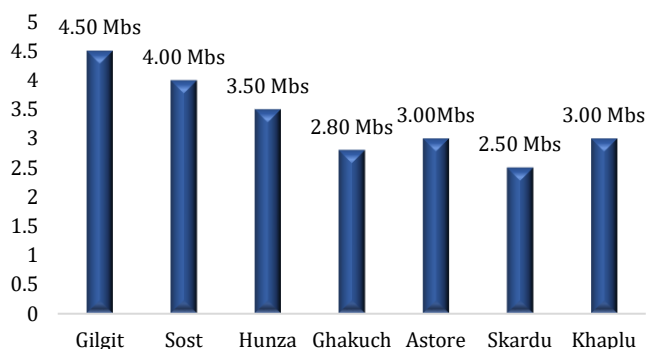
- d. **OVERALL STANDING.** The overall standing of each CMOs in different category of services is mentioned in **Table 8.4: CMOs Overall Standing in QoS Survey.**

S. #.	Service	STANDING				
		1 st	2 nd	3 rd	4 th	5 th
1.	Network Coverage	SCOM	Other CMOs are not providing Data Services			
2.	Mobile Broadband	SCOM				
3.	Voice	SCOM	Telenor & Ufone	Zong	Jazz	-

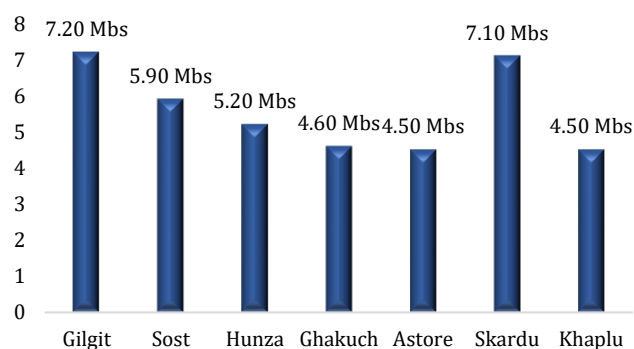
Table 8.4: CMOs Overall Standing in QoS Survey

QUALITY OF SERVICE SURVEY RESULTS GILGIT BALTISTAN

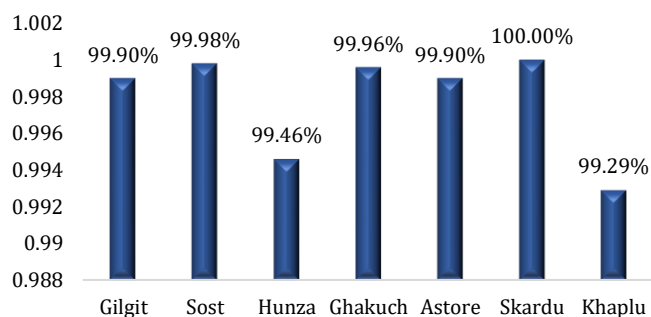
User Data Throughput (3G) > 256kpbs



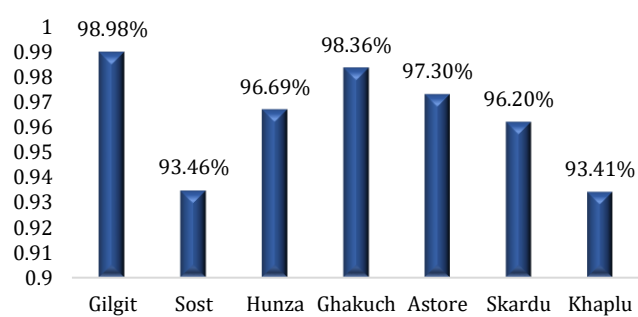
User Data Throughput (4G) > 2Mbps



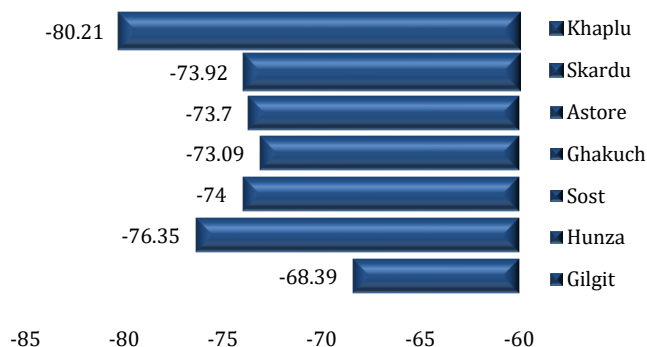
Signal Strength RSCP in dedicated mode (3G) 90% Confidence Level



Signal Strength RSRP in dedicated mode (4G) 90% Confidence Level



3G Signal Strength (RSCP) > -100dBm



4G Signal Strength (RSRP) > -100dBm

