

| 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 |

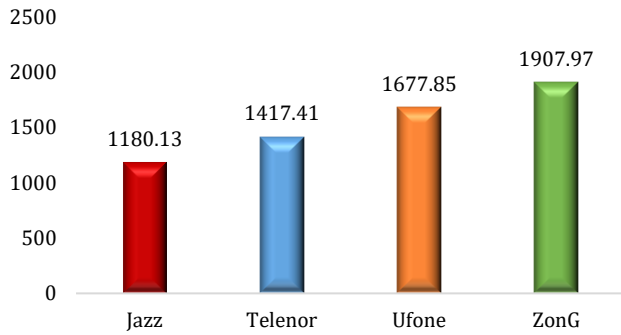
** Note Voice QoS KPIs: Network Accessibility (NA) > 99%, Service Accessibility (SA) > 98%, Call Connection Time (CCT) ≤ 7.5 Seconds, Call Completion Ratio (CCR) ≥ 98%, Mean Opinion Score (MOS) > 3, Inter System Hand Over (ISHO) > 98% & RAB Setup Success Rate (RSSR) > 98%*

Table 5.1: Voice QoS KPIs Compliance Level

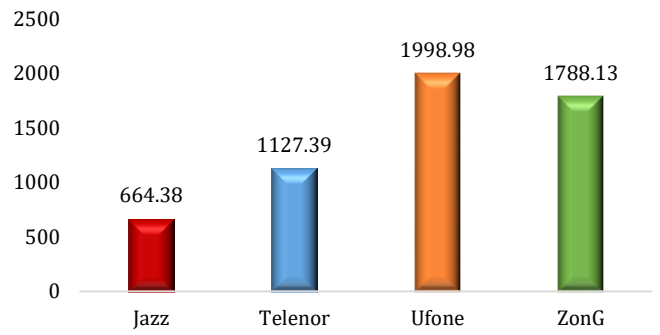
| VOICE CALLS ROADS – COMPLIANCE (YES/NO) | | | | | | | |
|---|-------------|---------------------|-----------------------|------------------------|---------------------|-------------------|-----------------------|
| Operator | *Voice KPIs | Islamabad To Kohala | Islamabad To Peshawar | Lahore to Abdul 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 (3G) – NOWSHERA TO CHITRAL

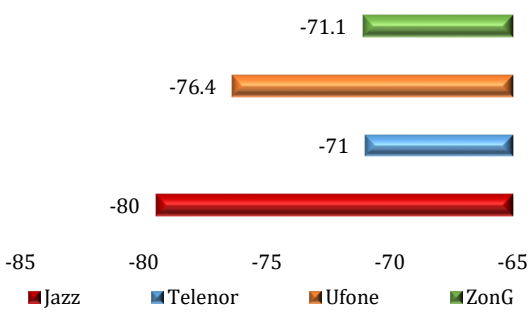
**User Data Throughput Download (3G)
> 256 Kbps**



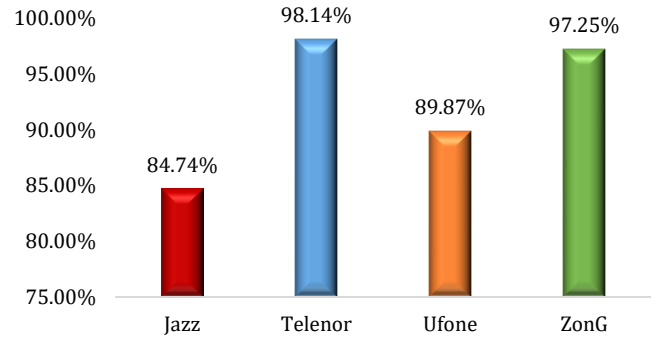
**User Data Throughput Upload (3G)
> 64 Kbps**



Signal Strength (RSCP) > -100dBm



Signal Strength (RSCP) Confidencel Level > 90%



Latency (3G) < 150 ms

