

<i>CMO</i>	KPIS	THRESHOLD	KOT RADHA KISHAN	SHEIKHUPURA	HANGU	KUHLAK	ABBOTTABAD	LOWER DIR	MANSEHRA
<b>Jazz</b>	NA	≥ 99%	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	CSSR	≥ 98%	Yes	Yes	Yes	Yes	<b>No</b>	Yes	Yes
	CCT	≤ 7.5 sec	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	CCR	> 98%	Yes	Yes	<b>No</b>	Yes	Yes	Yes	Yes
	MOS	≥ 3	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	ISHO	≥ 98%	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	RSSR	> 98%	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Telenor</b>	NA	≥ 99%	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	CSSR	≥ 98%	Yes	<b>No</b>	<b>No</b>	Yes	<b>No</b>	Yes	<b>No</b>
	CCT	≤ 7.5 sec	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	CCR	> 98%	Yes	Yes	Yes	Yes	Yes	Yes	<b>No</b>
	MOS	≥ 3	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	ISHO	≥ 98%	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	RSSR	> 98%	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Ufone</b>	NA	≥ 99%	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	CSSR	≥ 98%	Yes	Yes	Yes	Yes	<b>No</b>	Yes	<b>No</b>
	CCT	≤ 7.5 sec	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	CCR	> 98%	Yes	Yes	<b>No</b>	Yes	Yes	Yes	<b>No</b>
	MOS	≥ 3	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	ISHO	≥ 98%	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	RSSR	> 98%	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>ZonG</b>	NA	≥ 99%	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	CSSR	≥ 98%	Yes	Yes	Yes	<b>No</b>	Yes	<b>No</b>	Yes
	CCT	≤ 7.5 sec	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	CCR	> 98%	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	MOS	≥ 3	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	ISHO	≥ 98%	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	RSSR	> 98%	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 5.3: Voice QoS KPIs Compliance Level**

<i>CMO</i>	<b>KPIs</b>	<b>THRESHOLD</b>	<b>MATIARI</b>	<b>MACH</b>	<b>PASROOR</b>	<b>PISHIN</b>	<b>SARGODHA</b>	<b>UMERKOT</b>
<b><i>Jazz</i></b>	NA	≥ 99%	Yes	Yes	Yes	Yes	Yes	Yes
	CSSR	≥ 98%	Yes	<b>No</b>	Yes	Yes	Yes	Yes
	CCT	≤ 7.5 sec	Yes	Yes	Yes	Yes	Yes	Yes
	CCR	> 98%	Yes	Yes	Yes	Yes	Yes	Yes
	MOS	≥ 3	Yes	Yes	Yes	Yes	Yes	Yes
	ISHO	≥ 98%	Yes	Yes	Yes	Yes	Yes	Yes
	RSSR	> 98%	Yes	Yes	Yes	Yes	Yes	Yes
<b><i>Telenor</i></b>	NA	≥ 99%	Yes	Yes	Yes	Yes	Yes	Yes
	CSSR	≥ 98%	Yes	<b>No</b>	<b>No</b>	<b>No</b>	Yes	Yes
	CCT	≤ 7.5 sec	Yes	Yes	Yes	Yes	Yes	Yes
	CCR	> 98%	Yes	<b>No</b>	Yes	<b>No</b>	<b>No</b>	<b>No</b>
	MOS	≥ 3	Yes	Yes	Yes	Yes	Yes	Yes
	ISHO	≥ 98%	Yes	Yes	Yes	Yes	Yes	Yes
	RSSR	> 98%	Yes	Yes	Yes	Yes	Yes	Yes
<b><i>Ufone</i></b>	NA	≥ 99%	Yes	Yes	Yes	Yes	Yes	Yes
	CSSR	≥ 98%	Yes	Yes	Yes	Yes	Yes	Yes
	CCT	≤ 7.5 sec	Yes	Yes	Yes	Yes	Yes	Yes
	CCR	> 98%	Yes	Yes	Yes	Yes	Yes	Yes
	MOS	≥ 3	Yes	Yes	Yes	Yes	Yes	Yes
	ISHO	≥ 98%	Yes	Yes	Yes	Yes	Yes	Yes
	RSSR	> 98%	Yes	Yes	Yes	Yes	Yes	Yes
<b><i>ZonG</i></b>	NA	≥ 99%	Yes	Yes	Yes	Yes	Yes	Yes
	CSSR	≥ 98%	No	<b>No</b>	Yes	Yes	Yes	Yes
	CCT	≤ 7.5 sec	Yes	Yes	Yes	Yes	Yes	Yes
	CCR	> 98%	Yes	Yes	Yes	Yes	Yes	Yes
	MOS	≥ 3	Yes	Yes	Yes	Yes	Yes	Yes
	ISHO	≥ 98%	Yes	Yes	Yes	Yes	Yes	Yes
	RSSR	> 98%	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 5.4: Voice QoS KPIs Compliance Level**