



WAN Link Performance & Sizing Report

****Location:**** Tanishq-AHA-Ahmedabad, Ahmedabad
****Vendor:**** Beam Telecom Pvt Ltd
****Link Type:**** DBB
****Business Hours:**** 09:00–06:00
****Provisioned Speed:**** 50.0 Mbps

1. Usage Pattern Analysis

The link is significantly underutilized, with average usage at just 1.4% of its provisioned 50 Mbps capacity. While usage is consistently low, the data reveals infrequent but extremely high bursts of traffic. Usage primarily occurs during business hours, with minimal activity during off-hours, which aligns with expected operational patterns.

2. Capacity Planning Recommendations

The link is substantially over-provisioned for its typical workload. Based on sustained usage patterns, we recommend right-sizing the circuit to better match demand and optimize costs.

* ****Conservative:**** 3.0 Mbps
* ****Balanced:**** 4.0 Mbps
* ****Aggressive:**** 231.0 Mbps

The suggested provisioning target is ****4.0 Mbps****.

3. Performance Risks & Bottlenecks

A critical risk has been identified: peak usage has reached 210 Mbps, exceeding the provisioned 50 Mbps capacity by over 400%. These extreme, short-lived bursts create significant congestion and suggest the link is "burstable," which may lead to unexpected overage charges from the vendor. This behavior requires immediate investigation.

Conclusion

We recommend downgrading this link to ****4 Mbps**** to reduce costs, while investigating the cause of the anomalous peak traffic to mitigate performance and financial risks.

Visual Insights

