



WAN Link Performance & Sizing Report

****Location:**** KHR - Tanishq store, Mumbai

****Vendor:**** BHARTI AIRTEL LIMITED

****Link Type:**** ILL

****Business Hours:**** 09:00–18:00

****Provisioned Speed:**** 35.0 Mbps

1. Usage Pattern Analysis

The link is severely underutilized, with average usage at just 2% of its provisioned capacity. While traffic is higher during business hours, it remains minimal overall. Analysis shows a stable usage trend with no projected growth. The primary pattern is low, consistent traffic punctuated by very rare, high-intensity bursts.

2. Capacity Planning Recommendations

This circuit is significantly over-provisioned. Based on sustained usage (95th percentile of 2.81 Mbps), we recommend rightsizing the link to better match operational needs. The following options are available:

* ****Conservative:**** 3.4 Mbps

* ****Balanced:**** 4 Mbps

* ****Aggressive:**** 209 Mbps

The ****Balanced 4 Mbps**** plan is recommended for optimal cost-efficiency while providing sufficient headroom.

3. Performance Risks & Bottlenecks

Despite low average use, the link experiences brief, extreme bursts reaching 190 Mbps, momentarily exceeding the provisioned capacity. These events are highly infrequent (totaling 7 minutes) and pose a low risk of temporary packet loss or slowdowns. The current circuit size is not justified by this rare peak behavior.

Conclusion

The link should be downgraded to a ****4 Mbps**** plan to align capacity with actual usage and achieve significant cost savings.

Visual Insights

