



Network Performance & Capacity Report

****Location:**** PUNE CFA, PUNE
****Vendor:**** BHARTI AIRTEL LIMITED
****Link Type:**** ILL
****Business Hours:**** 09:00–18:00
****Provisioned Speed:**** 20.0 Mbps

1. Usage Pattern Analysis

The link is significantly underutilized, with an average usage of only 0.70 Mbps (3.5% of capacity). Traffic follows a predictable pattern, peaking at 1.61 Mbps during business hours. For 95% of the time, usage remains below 3.43 Mbps. A single, anomalous data burst was recorded at over 1100 Mbps, which far exceeds the physical line rate and is likely a monitoring error.

2. Capacity Planning Recommendations

This 20 Mbps link is heavily over-provisioned for current needs. Based on sustained usage patterns (95th percentile), we recommend right-sizing the circuit to better match demand.

- * ****Conservative:**** 4.1 Mbps
- * ****Balanced (Recommended):**** 5 Mbps
- * ****Aggressive:**** Not applicable due to anomalous peak data.

A ****5 Mbps**** circuit would comfortably handle current demand and sustained peaks.

3. Performance Risks & Bottlenecks

There is no immediate risk of congestion due to low overall utilization. However, the cause of the extreme anomalous peak (1135.99 Mbps) should be investigated to rule out device misconfiguration or a security-related event, as it indicates a potential underlying issue.

Conclusion

We recommend downgrading this link to ****5 Mbps**** to align capacity with demonstrated usage, generating immediate cost savings.

Visual Insights

