



Network Performance & Capacity Report

****Location:**** Tanishq-AHA-Ahmedabad, Ahmedabad

****Vendor:**** RELIANCE JIO INFOCOMM LIMITED

****Link Type:**** DBB

****Business Hours:**** 10:00–21:00

****Provisioned Speed:**** 300.0 Mbps

1. Usage Pattern Analysis

The link is significantly underutilized, with average usage at less than 1% of its provisioned capacity. While usage is higher during business hours, sustained peaks remain low, averaging only 5.83 Mbps. Data shows a stable to slightly decreasing usage trend over the analysis period. The single high peak of 230.54 Mbps appears to be a rare, momentary burst rather than a recurring pattern.

2. Capacity Planning Recommendations

This 300 Mbps circuit is heavily over-provisioned. Planning based on the 95th percentile usage of 3.62 Mbps provides a more realistic baseline. We recommend a balanced provisioning target of 10 Mbps. This safely accommodates current sustained peaks and provides ample room for future growth, while significantly reducing operational costs.

- ****Conservative:**** 4.3 Mbps
- ****Balanced (Recommended):**** 10 Mbps
- ****Aggressive:**** 254 Mbps

3. Performance Risks & Bottlenecks

There are no congestion risks or performance bottlenecks identified. Analysis confirms the link never exceeded 90% of its capacity, and SLA compliance is excellent. The observed infrequent usage spikes do not pose a threat to network stability and should not drive capacity planning.

Conclusion

The link should be downgraded to a 10 Mbps plan to align provisioning with actual usage and achieve substantial cost savings.

Visual Insights

