

Measurement Methodologies for **Assessing Service Quality of Satellite Connectivity**

RedMango Analytics Pvt. Ltd.

OUR EXPERIENCE

1

The trusted authority for Benchmarking Terrestrial Network QoS/QoE in India, serving operators, regulators, and critical infrastructure entities for a decade.

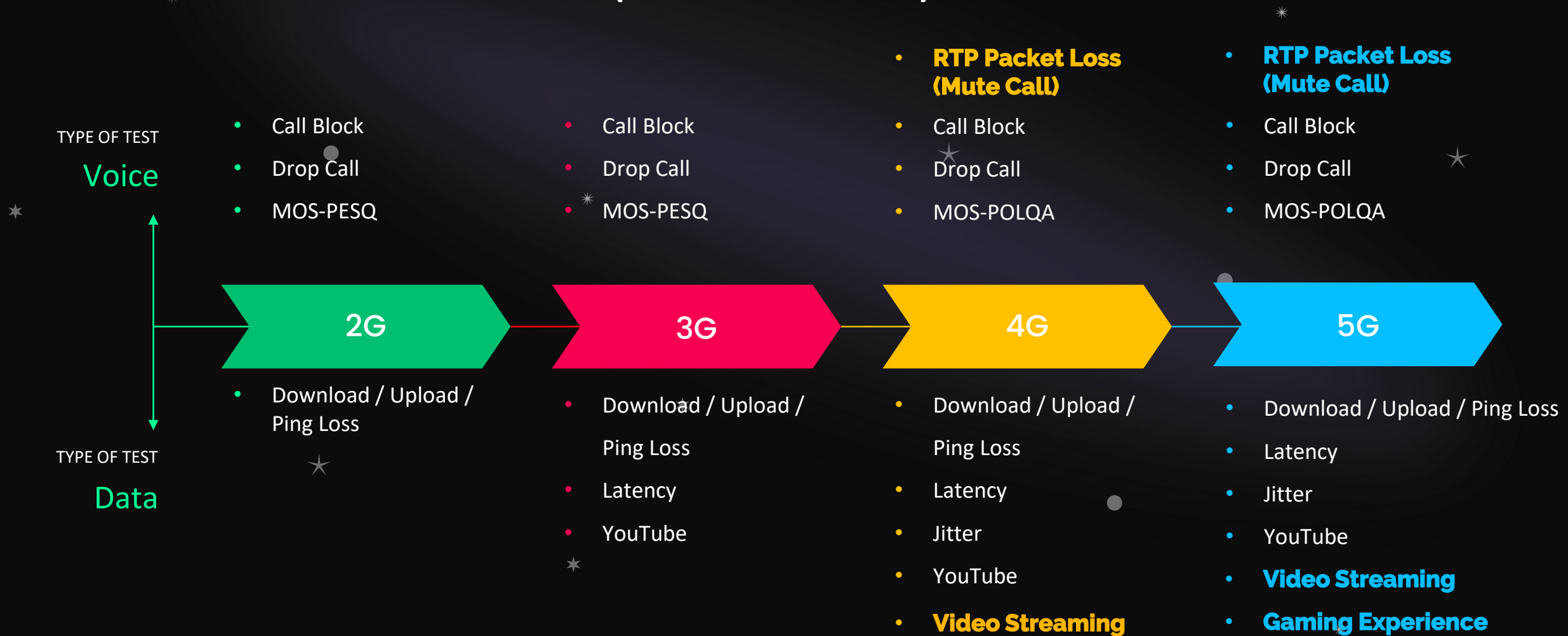
2

The Gold Standard in Network Intelligence

- **135,000+ km** of Annual Road/Rail Coverage
- **150+** Completed QoS Audits per Year
- **25,000+** Indoor/ Public hotspot QoS Audits
- **80 Million+** Data Points Gathered per Year

Measurement KPI's as well as thresholds, have evolved from 2G to 5G

EVOLUTION OF KPI's (QoS → QoE)



BENCHMARKING SATELLITE QOS/QOE FOR MODERN APPLICATIONS

Dynamic, Use-Case Driven Performance Measurement

Routine / Users



Remote Areas



Aircrafts



Ship Routes

Special / Specific Users

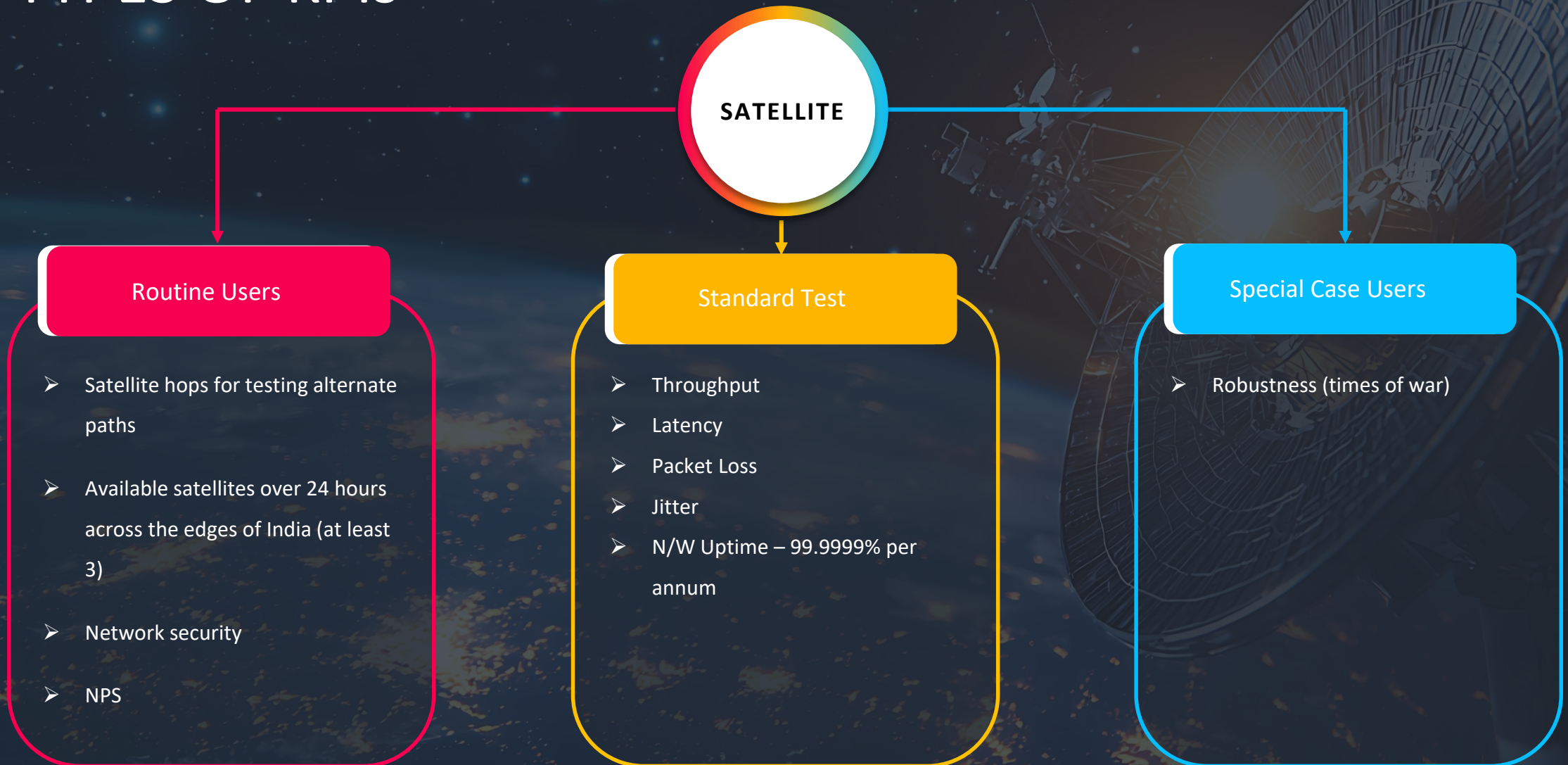


War / Military



Disaster struck areas

TYPES OF KPIs

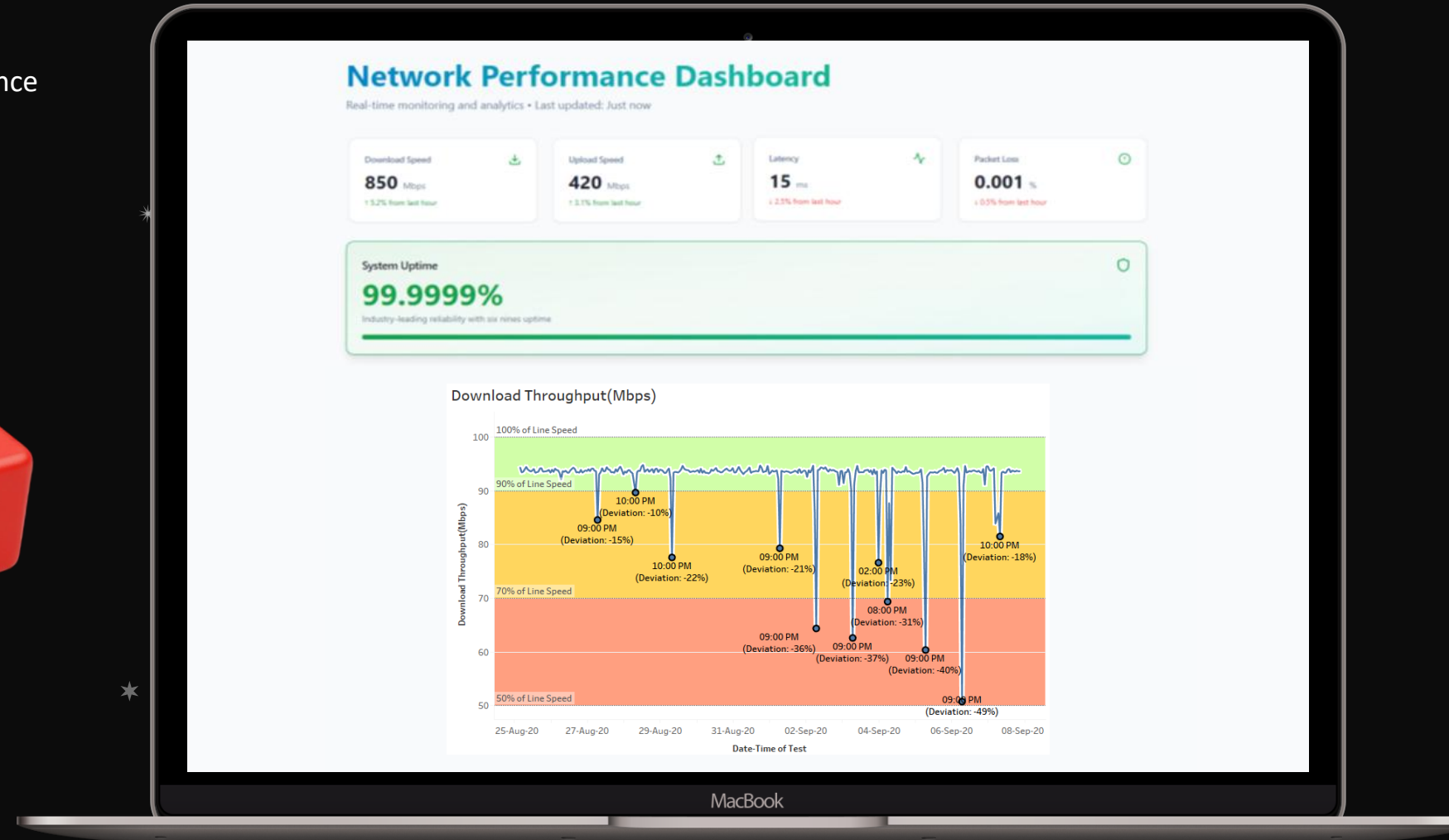


TYPES OF KPIs



QoS MONITORING PROBE & DASHBOARD

- Continuous Monitoring of Performance
- Real-Time Anomaly Detection for Early Warning



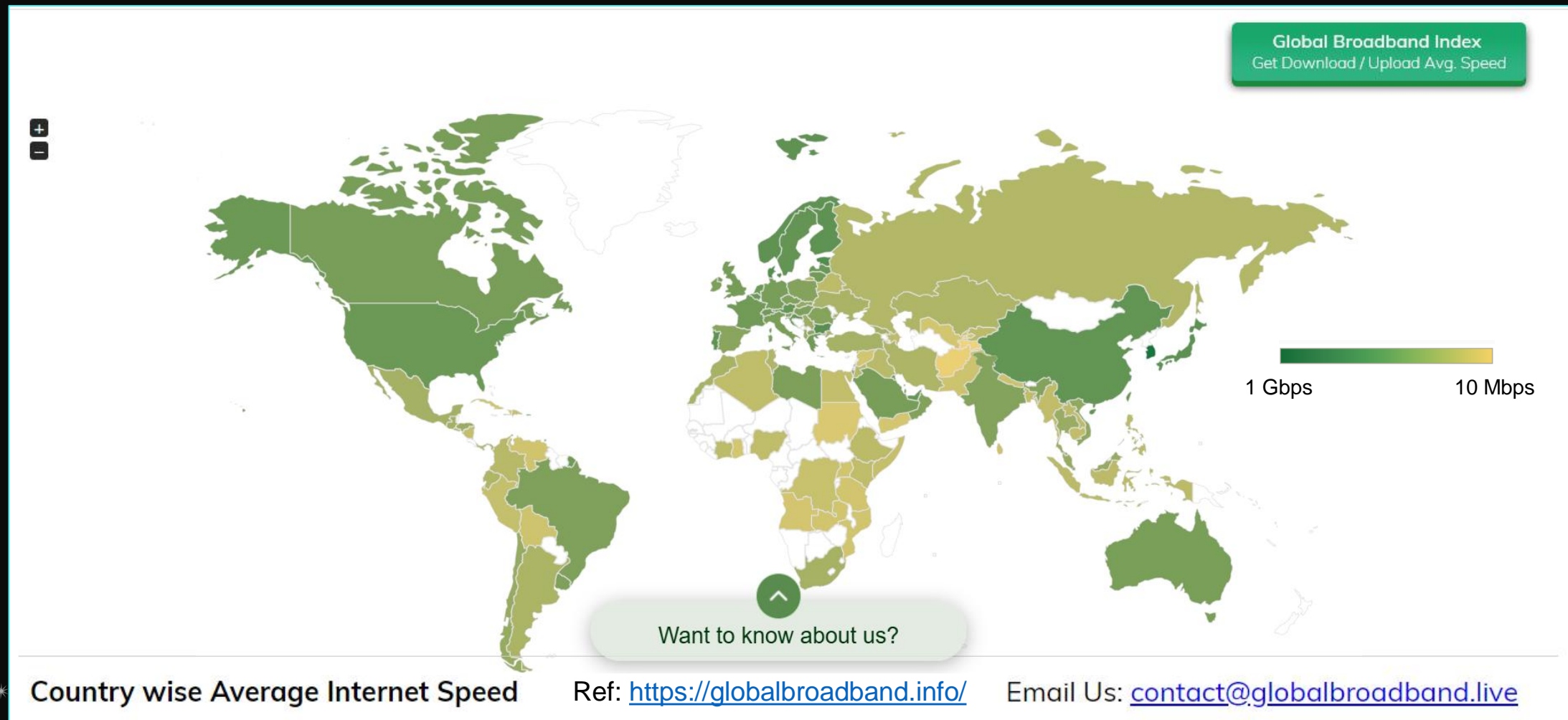
SATELLITE NETWORK PERFORMANCE VALIDATION

Fully Automated Plug and Play – Ease Matters (No Configuration required)

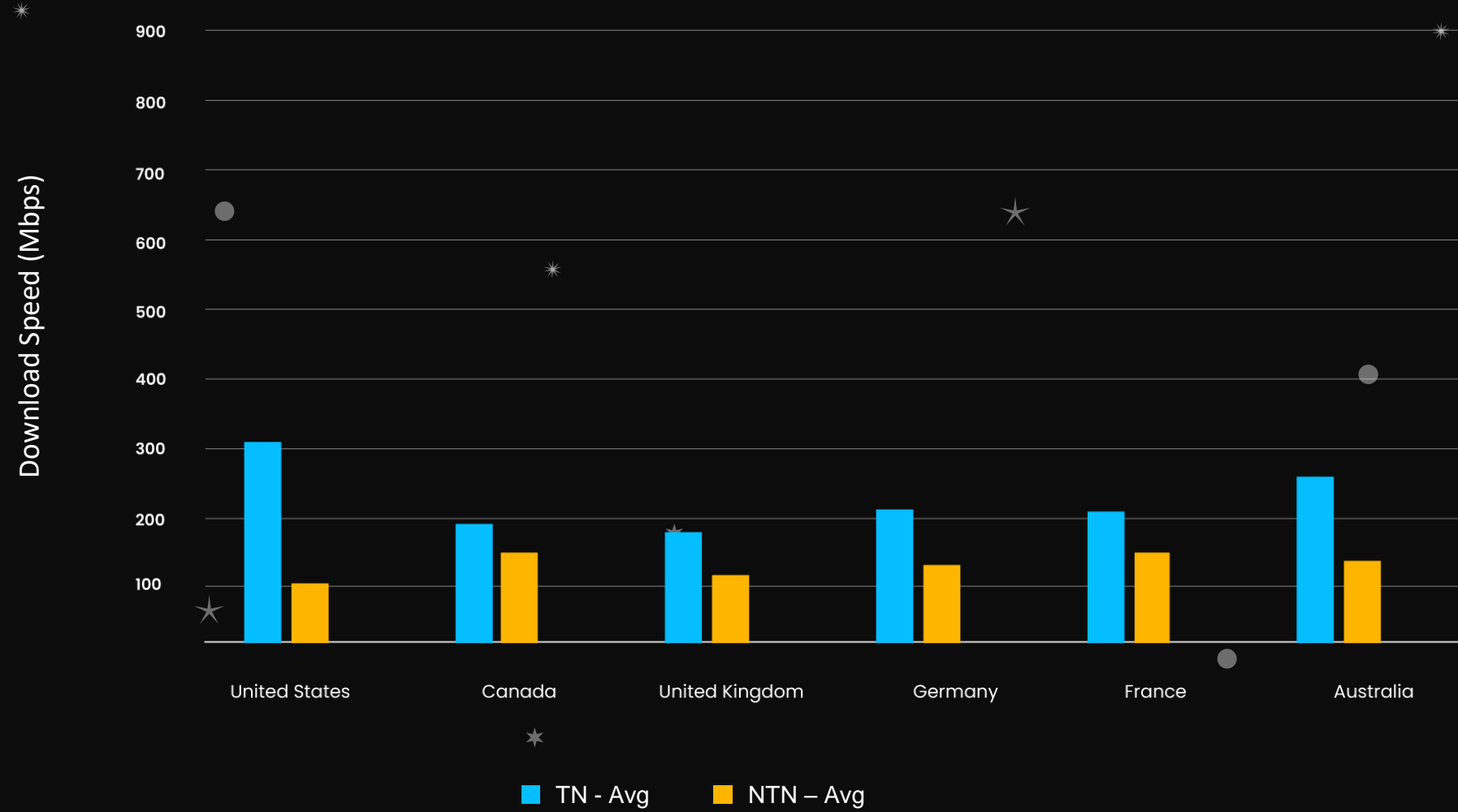
Layman UI yet diagnostic approach for concluding the broadband network service quality i.e. it simply has 3 tests ,



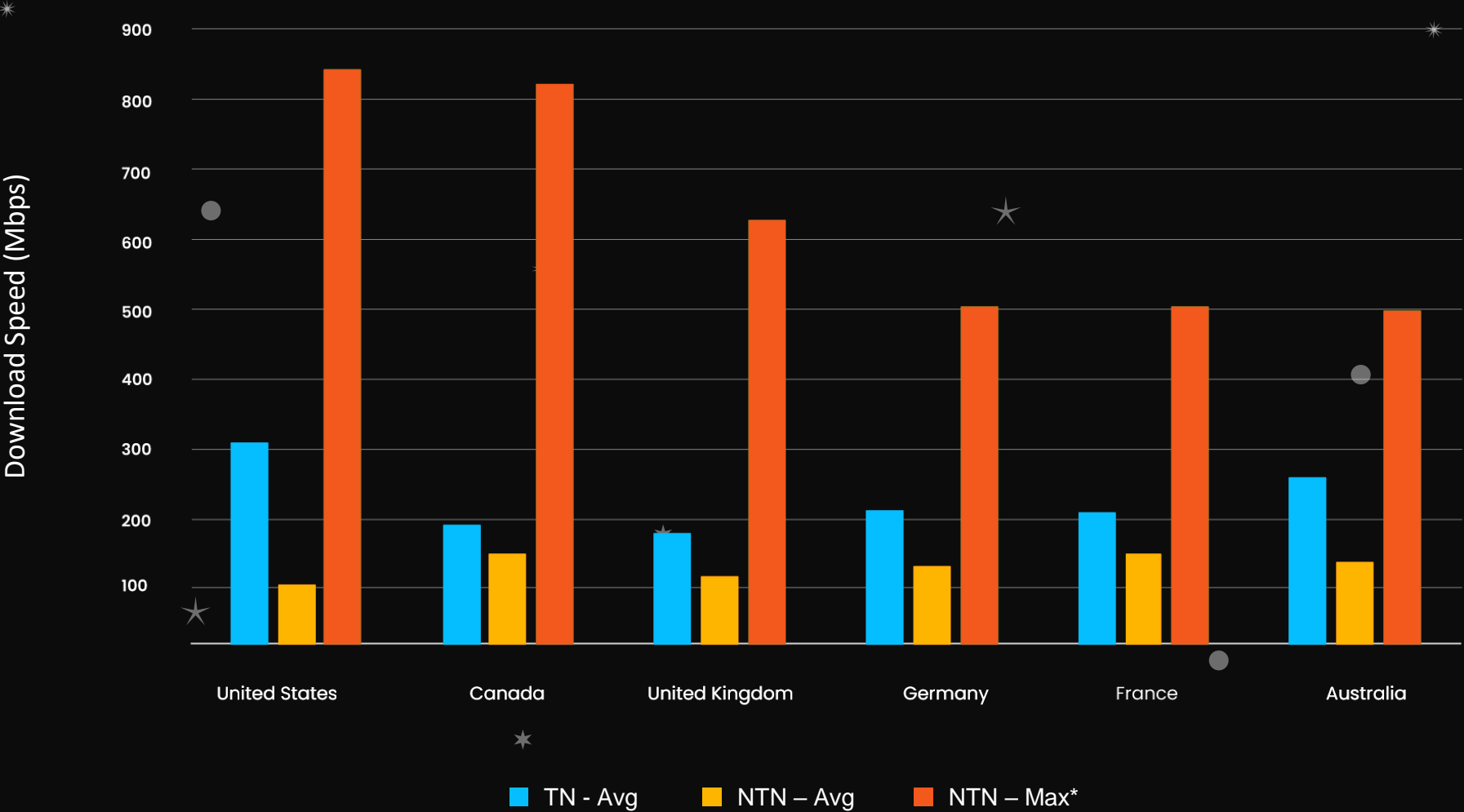
GLOBAL PRESENCE



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Download Speed Avg TN, NTN v/s Max NTN





THANK YOU