



NETWORK QOE TESTING

CONNECTED EXPERIENCE PLATFORM

NETWORK QOE TESTING

CONNECTED EXPERIENCE PLATFORM

CONTEXT



- Exploding use cases on mobile data.
- Bandwidth and latency sensitive applications.
- 5G/IoT revolution imminent.



- Network perception always a challenge.
- Increasing technology complexity.
- Differentiated care for HV/Enterprise customers.



- Reduce cost of network measurements.
- Accurately assess user experience.
- Take targeted optimization actions.

INTRODUCTION

5GMARK is an industry proven network test platform to measure, analyse and improve public and private mobile and broadband connectivity. We have an innovative methodology for measuring **QoE**:

Focus on user experience

- Measure web and video experience, not just throughput, speed
- Test hosts on public cloud, CDNs to measure true user experience
- Hosts owned by MOZARK and not by ISPs
- Single & multi thread testing for actual & capacity measurements

Single engine across test configurations

- Stand-alone app to crowdsource data on QoE
- Active hardware probes for 24x7 monitoring
- Background SDK agent for self-care
- Drive / walk test based field data collection

Custom built test kits for Enterprises

- White-label network testing app for enterprises in days
- Self-measurement kits for Enterprise IT/Network engineers
- Enterprise office network monitoring using probes



FEATURES



CUSTOM-BUILT

- Build a network testing of your own in days
- Configure your own testing scripts



FLEET MANAGEMENT

- Group field staff into different fleet accounts
- View analysis of data by fleet account



SELF-CARE

- Integrate 5GMARK testing SDK into your self-care in minutes
- Active and passive testing supported by SDK



MONITORING

- Deploy 5GMARK probes by just plugging into a socket
- Monitoring WiFi or cellular connectivity in indoor locations 24x7



ANALYTICS

- Real time and trend analysis of data collected
- Group by devices / fleet and set up custom alerts

USE CASES



RETAIL

- Ensure WiFi and Cellular connectivity readiness for Smart Retail
- Lower cost of monitoring & proactively identify, fix issues



TRANSPORTATION

- Ensure seamless in-cabin WiFi/Cellular experience on train/bus routes
- Increase customer satisfaction through high quality in-cabin entertainment



SMART CITIES

- Increase awareness of the quality of connectivity in your city
- Improve connectivity by establishing win-win relationships with ISPs



SMART BUILDINGS

- Assess connectivity experience of your building WiFi and DAS networks
- Reduce O&M cost through remote diagnostics and reducing field interventions



REGULATORS

- Increase customer awareness of QoE through crowdsourcing
- Reduce cost of drive / walk tests for network measurements



TELCOS / ISPs

- Gather accurate on-field QoE data at low cost
- Improve self-care by integrating network testing