



MOBILE NETWORK QOE · UP TO 5G SA

Independent mobile network QoE measurement

Plug-and-play Android probes that measure real subscriber experience on the move — speed, latency, OTT services and radio conditions, captured as the end-user actually receives them.

Real handsets, real behaviour

2G → 5G NSA / 5G SA

Drive test & static campaigns

Audit-grade evidence

Remote, unattended control

400+

QOS / QOE INDICATORS

5G SA

UP TO 5G STANDALONE

Unattended

REMOTE CONTROL

Real-time

DATA STREAMS

Plug-and-play

ANDROID PLATFORM



01 WHY MEDUX MOBILE



Real handsets, real behaviour

Commercial Android devices emulate genuine user behaviour, so the measurement reflects what subscribers receive rather than a synthetic modem test.



Mobility and static campaigns

The same probe covers drive tests, walk tests and fixed-location monitoring, with free-mode or technology-forced protocols under remote control.



Unattended at scale

Probes run scheduled test suites without operator intervention and stream results to the cloud, so fleets scale across cities and countries.



400+ QoS / QoE indicators

From radio conditions and network context to OTT application experience, up to 5G SA.



Audit-grade for regulators

Methodology-published measurements for independent mobile QoS and QoE supervision.



Part of the MedUX suite

Feeds the Measurement & Data Collection layer behind Analytics, Scorecard and Solve.



RADIO, NETWORK AND APPLICATION LAYERS

Correlate radio conditions with what the user experiences

MedUX Mobile captures the radio environment, the network context and the application result in the same sample, so teams can tell whether a degraded experience comes from coverage, capacity, the core or the service itself.

02 ONE SAMPLE, THREE LAYERS

Correlated by design



Radio & spectrum layer

Serving technology, band, RSRP / RSRQ / SNR, cell identity and carrier aggregation captured per sample and geolocated.



Network & transport layer

Throughput, latency, jitter, packet loss and DNS behaviour measured against controlled on-net and public endpoints.

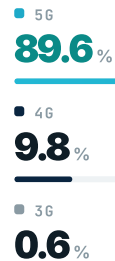


Application & OTT layer

Streaming, social media, browsing, gaming and voice measured as the subscriber experiences them, not as synthetic traffic.

Technology mix on route

% samples



Serving-technology share across 87.4 km of drive test — the basis for coverage and rollout analysis.

03 DEEP TECHNICAL CAPABILITIES

400+ indicators



Speed & traffic performance

QoS CORE

- Multi-threaded throughput, HTTP / FTP transfer
- Latency, jitter and packet loss
- DNS resolution and traceroute



OTT & application QoE

REAL SERVICES

- Video streaming (YouTube, Netflix)
- Social media, web browsing, gaming latency
- Voice and VoIP MOS scoring



Radio & spectrum visibility

2G → 5G SA

- Serving technology, band and cell identity
- RSRP, RSRQ, SNR and carrier aggregation
- 5G NSA / SA registration analysis



Campaign & test control

ASSURANCE

- Free mode and technology-forced protocols
- Drive, walk and static campaign scheduling
- Geolocated samples with environmental data



Mobile benchmarking-grade by default

The same methodology across operators, technologies, cities and time periods — producing comparable, audit-grade evidence for market reports and regulatory submissions.

COMPARABLE · REPEATABLE

04 BUILT FOR OPERATIONAL SCALE



Plug-and-play deployment

Probes ship pre-configured on commercial Android hardware; field teams power them on and measurement starts, with no bespoke integration.



Remotely managed campaigns

Test suites, schedules and forced technologies are configured centrally and pushed to the fleet without touching the device.



Distributed across geographies

Campaigns span cities, regions and countries — exclusive fleets, tailor-made drive tests or access to MedUX-operated measurement programmes.

Telecom-grade depth, on the move.

400+ QoS / QoE indicators captured by real handsets under remote, unattended control.

Download product sheet →



● USE CASES SUPPORTED BY MEDUX MOBILE

From network rollout to regulatory evidence

Operators use MedUX Mobile across every deployment phase — acceptance, optimisation and troubleshooting; regulators, wholesale buyers and marketing teams use the same probe for independent audits, SLA verification and competitive benchmarking.

05 NETWORK & OPERATIONAL USE CASES



Network Deployment

Support operators through every deployment phase with the measurements essential for testing, acceptance, optimisation and troubleshooting — including 5G NSA and SA rollout validation.

- Acceptance
- Optimisation
- Troubleshooting



Coverage & Rollout Analysis

Analyse serving technology, band usage and signal quality along real routes to detect coverage holes, overshooting and the practical footprint of each technology layer.

- Coverage holes
- Band usage
- 5G footprint



Anomaly Detection

Surface QoE degradations as they happen with continuous, scheduled measurement, supporting service assurance and proactive intervention before complaints reach the call centre.

- Service assurance
- Proactive intervention



Wholesale & Roaming

Verify host-network SLAs and roaming performance in real subscriber conditions. MVNO and wholesale buyers track committed quality from the handset rather than the core.

- SLA verification
- Roaming
- MVNO

06 BENCHMARKING & REGULATORY USE CASES



Mobile Benchmarking

Compare mobile performance across operators, technologies, cities and time periods with continuous, methodology-backed evidence — feeding competitive analysis, market reports and MedUX Awards recognition.

- Competitive analysis
- Market reports
- MedUX Awards



Regulatory Compliance

Provide regulators and public authorities with audit-grade mobile evidence. Plug-and-play probes deliver independent, methodology-published measurements for nationwide QoS and QoE supervision.

- Independent audits
- Nationwide supervision

Certify mobile QoE where your customers move.

Real handsets, unattended campaigns and methodology-backed, comparable evidence.

[Request a demo →](#)