

## Handheld Smartphone Measurement

# MPSM

## Your Network in the Palm of your Hand

Focus Infocom's handheld solutions for Android and iOS offer you maximum flexibility for drive and walk test in indoor and outdoor situations. Numerous service tests for data and voice applications make them the measurement expert's everyday companion for all kinds of measurement tasks.

### Multi-functional

MPSM is a multi-functional platform for numerous areas of application that range from actively measuring network performance from an end-user's perspective to merely tracking user behaviour.

### Expandable

To expand the range of use cases, additional modules can be added as required, e.g. for situation-dependent surveys or direct feedback to an operator in case of network problems.

### QoS KPI

Focus Infocom's highly innovative QoS concept uses QoS KPI derived from application-level events. Thus, MPSM allows for mass application on end user devices opening up new dimensions of insight for network operators.

### Dynamic Licensing

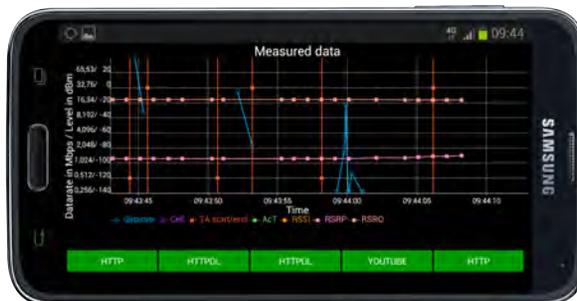
MPSM features a flexible server-based licensing system that automates user licensing on the operator's side while making installation and use of the apps for the user accessible and intuitive without sacrificing security.

### Central Administration

Measurement Scripts and data are managed on central servers and allow for close controlling of the test scenarios executed on end user devices.

### Out-of-the-box

MPSM runs on most Android/iOS devices out of the box. The straightforward GUI makes the apps very intuitive to use without the need for a manual.



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## Post Processing

MPSM generated measurement data is ready to be processed with Focus Infocom's post processing tools XGMA Analyzer or FIMAS. Data from all sorts of devices can thus be easily compared with data from other devices or measurement techniques.

## Wireless Data Transfer

MPSM stores measurement data locally but also offers wireless data transfer to a central server whenever a measurement cycle is finished. From there, all data can be automatically imported into the post processing chain.

## Data Quality

If devices are used by end users as in a crowdsourcing scenario, it is almost impossible to control data output. The algorithms in Focus Infocom's MPSM apps are based on hundreds of man years of experience in measurement technology and combine data in a way that improves the resulting data base considerably.

## Automated

With their script-based architecture, MPSM measurement apps offer fully automated measurement for troubleshooting or benchmarking. Test scenarios and their parameters can be freely defined, giving you full control over the services you want to test.

## Power Features

- Supports a wide range of application areas from measurement to market research
- True QoS customer perspective on commercial devices
- Dynamic licensing
- Central script and data management
- Fully automated and customizable
- Designed to support a highly scalable number of devices (from one to thousands of installations)



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## Example Use Cases

### Ultra Mobile Enhancement of conventional measurement systems

Enhance Focus Infocom's XGMA Smartphone benchmark system with an MPSM module for measuring in locations where huge, bulky benchmark system cannot be used. Devices can be detached from the main system and remounted afterwards (MPSM-a only).

### Compact Mobile Measurement System

Measurements with a focus on user perspective that can be performed quickly and cost-efficiently by people who are not trained as measurement technicians. Ideal for ad-hoc on-site measurement. Advantage: scenarios can be chosen freely.

### Supporting Customer Support

If customers report a problem to your support team, they get instructions to install MPSM on their devices. Your support team may provide a script customized to the problem at hand, which is then run on the customer device. Data is automatically uploaded and can be analyzed by the support team.

### Corporate Customers

Corporate customers about to run a large fleet of mobile devices may use MPSM systems to find the ideal mobile operator. For that purpose, MPSM is installed on user devices and run over a certain period of time to evaluate the performance of each network.

### SLA Validation

Corporate clients looking to secure a certain QoS level as part of a company-wide framework agreement with a network operator, can deploy MPSM for this purpose either themselves or in a combined effort with their service provider.

### Panels and Open „Cellular Radio Quality Communities“

No matter if a market research company wants to analyze user behaviour in the context of panels or if press media want to perform mobile quality measurements as part of their presence: MPSM offers a flexible and scalable solution for all of these use cases.

