



NetTester:Mobile

**Enriched Network
Performance Testing**

We recognised the need for a better mobile based speed test tool for cellular and WiFi networks that would support higher speeds and provide highly accurate and reliable results suitable for engineering use. So we developed it.

NetTester:Mobile has been developed to provide a powerful and convenient solution to measure wireless data performance, enriching results with signal measurements and detailed cellular and WiFi network data.

NetTester:Mobile enables engineering and technical staff to accurately measure the wireless network throughput to assist with network fault diagnosis, commissioning and improving the customer experience.



Convenient, Accurate, Enriched Results

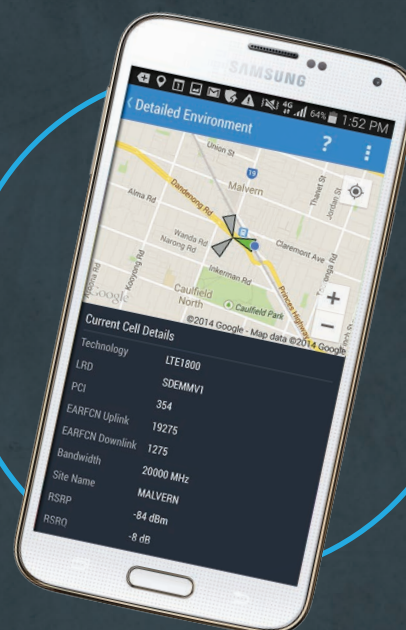
Telco's are under increasing pressure to improve the performance of their networks. Integral to staying ahead is the ability to access accurate and reliable results that can be used to make key decisions regarding the network.

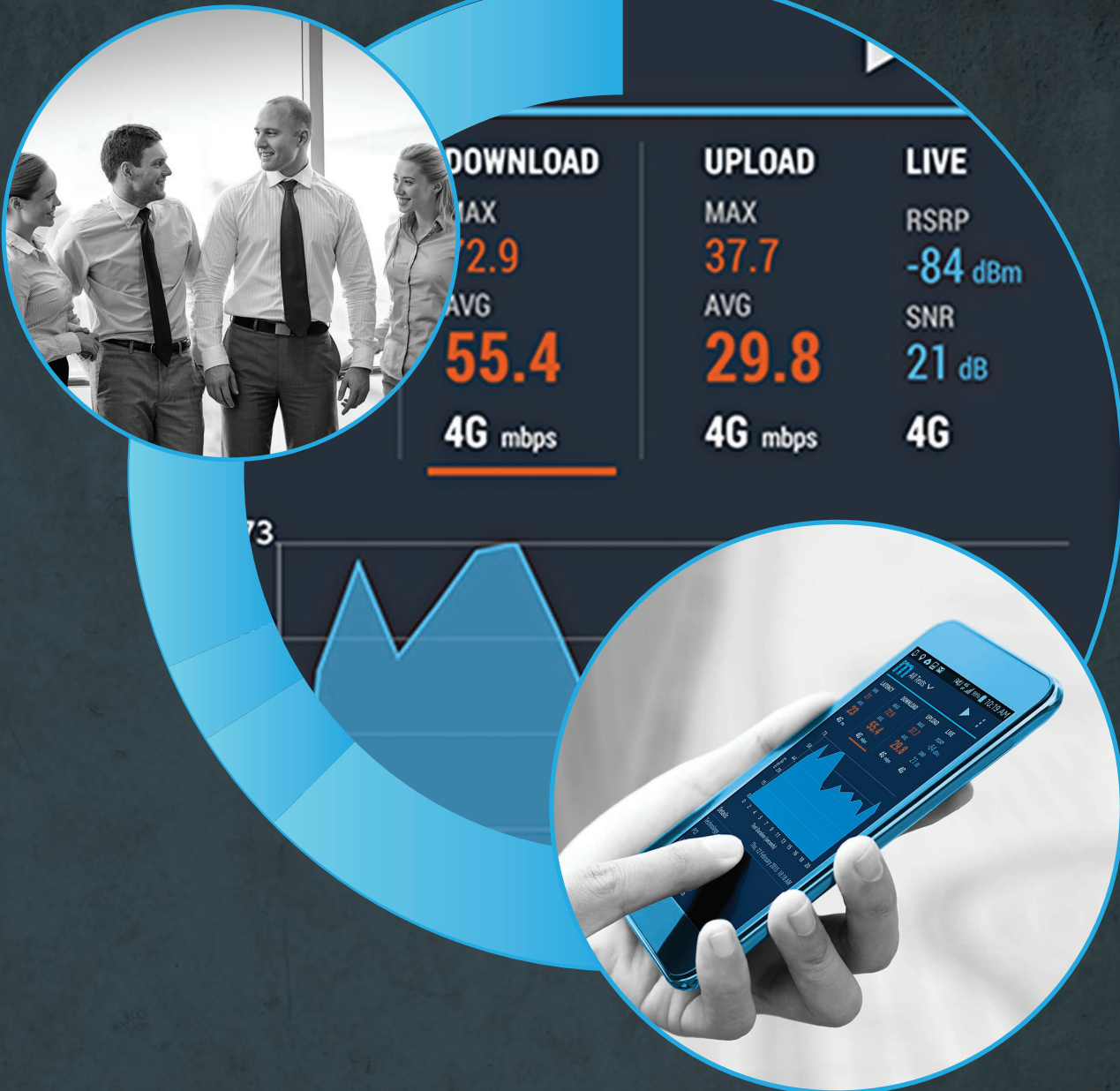
Diagnostic engineering tools are expensive and can be difficult to use and existing smartphone based solutions do not support the higher speeds or the integration of air interface measurements.

Customer's judge the performance of their network provider by the speed and reliability of their connection. It is critical for network engineers and field technicians to be able to measure wireless data performance easily

to allow them to make accurate decisions regarding the network.

NetTester.Mobile is an easy to use smartphone based network speed test solution. It is configurable and integrates measurement of the air interface and detailed cellular or WiFi network data, and is designed for use on high speed networks. NetTester.Mobile utilises native test engine capabilities to optimise performance and accuracy, and can support continuous testing and a range of protocols.





NetTester:Mobile Delivers

Accurate Measurement of High Speed Networks

Allows engineering and technical staff to conveniently access accurate and reliable data that they can then use to effectively manage fixed and mobile networks. Supports a range of capabilities like continuous test mode and various test protocols, and parameters to allow network providers to diagnose network faults.

Cost Effective and Easy to Deploy

Compatible leading modern Android smartphones, NetTester:Mobile can be deployed onto off the shelf devices.

Integrated Cellular and WiFi Signal Measurement and Network Data

Understand the radio environment for tests being conducted in real time before and during tests. NetTester:Mobile incorporates real time signal measurements with additional cell configuration and deployment topology retrieved from operational databases, displayed and recorded with test results.

Centralised and Configurable

NetTester:Mobile provides a centralised user management and configuration capability, allowing more advanced features to be made available to selected user groups.

Performance tests are configurable, allowing fine tuning of tests to zero in on network faults.

NetTester: Mobile Product Specifications

Supported Handsets and Networks

- Samsung Galaxy S5
- HTC One M8
- Android v4.2 or higher
- Cellular (2G, 3G and 4G) and WiFi network support

Measurement and Data Visualisation Capabilities

- Cellular and WiFi network configuration data (via real time database lookup)
- Download, Upload and Latency Measurement
- On device results history
- Selection of a suite of tests or individual tests
- IPv4, IPv6 support
- Air Interface measurement (RSSI, RSRP, RSRQ, SNR)
- GPS location
- Map with infrastructure topology view

Configuration and Integration

- Adjustable number of concurrent upload/download streams
- Test end point selection
- Test during
- Adjustable packet payload for latency tests
- User authentication and feature access control
- Centralised upload of results

Site Details

- Site Name/Identifier, Location (Lat/Long, Address)
- Deployed technologies and bands

Cell Details

- CGI, Technology, Band, Bandwidth, PCI/PSC
- Antenna Configuration (bearing, height, type)

Mill Software. The company behind the innovation.

As expert software engineers, with significant experience in telecommunications, we've been developing products and solutions for our customers for over 15 years.

Our customer focussed approach ensures we find the best-path-to-market, to deliver commercially viable and effective solutions.



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