

FemtoLab™

Are you ready?



While the urgency to get femtocells to market is pressuring mobile operators to move quickly, the risks of launching a femtocell product that hasn't been fully tested could be catastrophic.

Finding out a femtocell can't handle the demands of simultaneous voice, video and data traffic mid-way through a field trial could waste valuable time and resources.

The most cost-effective way of introducing new and complicated femtocell technology is through step-by-step testing in a controlled laboratory environment – long before field trials. What's needed is an exhaustive, comprehensive lab testing capability that can handle any and all situations where femtocells have to perform.

That's where Epitiro can help.

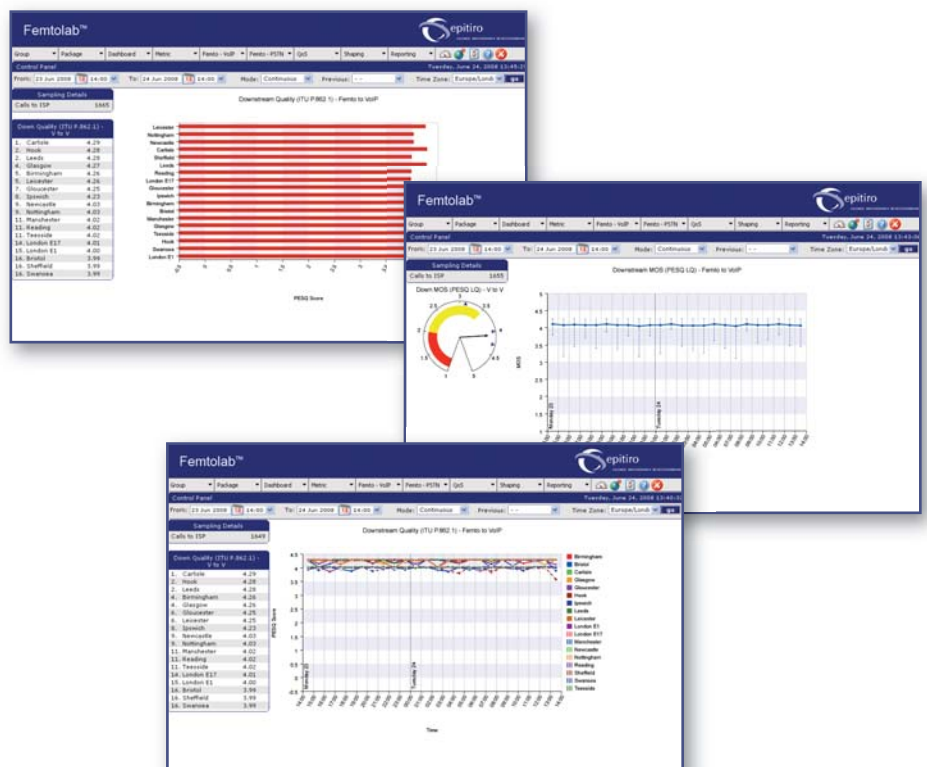
FemtoLab™ offers fully integrated Lab testing of any femtocell, handset and HSxPA environment. The hardware interface is fully configurable and capable of repeatable automated testing including the ability to test over 30 different consumer traffic scenarios – all in one testing product. The detailed analysis of each call includes PESQ voice quality ratings, network quality, signalling and voice latency.

Benefits of FemtoLab™

FemtoLab™ will dramatically reduce testing time, increase confidence in product reliability and reduce the risk of costly product failures by exposing hardware and software issues that are only visible under the most rigorous testing. Not only is FemtoLab™ essential for the initial launch of femtocells, the analysis capability and testing scripts generated are ready for testing new releases or new femtocell products in the future.

FemtoLab™ The Industry's First Complete Lab Test Solution

FemtoLab™ is the Femtocell industry's first test solution designed specifically for Cable, Ethernet and DSL-based testing of any Femtocell hardware. By creating the complex traffic profiles in the consumer broadband environment FemtoLab™ provides a powerful automated Lab test environment for an infinite range of operating scenarios including functional performance testing of the Voice, HSPA and SMS/MMS service performance and service scalability. The in-depth feature set and advanced test scheduler enables complete test cycles and greater test coverage while freeing up your company's talent from repetitive testing.



Reports

Epitiro's renowned report generating capability allows any user to quickly and easily see test performance data in the format of their choice. The powerful and flexible report generation, including Web browser access to all reports, enables the following views;

- Trend Testing - Profile the behaviour of your hardware with continuous long term testing at different times of the day, week, or month.
- 'At a glance' insight of your competitors strengths and weaknesses
- Multiple levels of drill-down detail right down to a single femtocell test call

Look Who's Talking

Epitiro's clients include top ISPs, regulators and telcos. Companies such as BT, Tiscali, Ofcom, Virgin, Telecom New Zealand, Telefonica O2, Orange and others use Epitiro's technology and Software as a Service (SaaS) capability to measure and manage customer experience.



Features

Connectivity supported includes:

- All DSL (ADSL, SDSL, ADSL2+)
- Cable/Fiber FTTH/C/P
- Ethernet

Protocol support includes:

- PPPoE (Europe & USA)
- PPPoA (Europe & USA)
- PPPoAe

Unlimited testing scenarios

- Multiple simultaneous Voice & HSPA sessions supported
- Video Streaming capability (Multiple codecs)
- VoIP support (SIP, G.711, G.729)
- SMS & MMS support

ITU Standards-based reporting

- PESQ (ITU P. 862)
- ECHO (ITU G.131)

Test call scenarios supported:

- Femtocell to Femtocell
- Femtocell to Mobile
- Femtocell to broadband VoIP
- Femtocell to PSTN

Handsets data includes:

- IMEI
- Signal Status (strength, min, max, signal step in dBm)
- H/W Revision
- S/W Revision

Handset support for:

- Alcatel, Ericsson, Kyocera, LG
- Motorola, Nokia, Panasonic, Philips
- Sagem, Samsung, Sharp Siemens
- Sony Ericsson, Ubiquam, ZTC



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