

RADVISION 3G Field Tester

(part of the ProLab™ Test Management Suite)



RADVISION's 3G Field Tester is part of the ProLab Test Management Suite, providing comprehensive testing and analysis in a single, easy-to-use product. The 3G Field Tester plays a critical and vital role in 3G network integration and maintenance.

The 3G Field Tester delivers:

- Live 3G video calls
- Full logging of
 - protocol events & messages
 - media raw data & errors
 - geo-location
- Media recording & playback
 - AVI files
 - 3gp files
- Audio/Video analysis & quality indication
- Archiving of results

3G Field Tester Highlights

- A testing-application running on a laptop or a dedicated hand-carried package
- Connects to 3G networks using a PCMCIA card
- GPS USB receiver for continuous geo-location
- Extensive data collection and logging during 3G calls
- Voice and video quality analysis of recorded calls
- Export, including video stream & H.245 messages

Network Testing

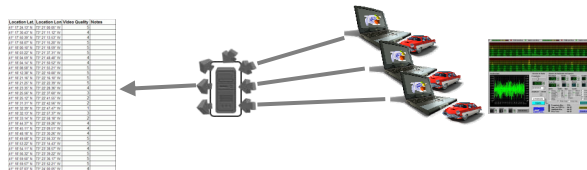
Map 3G networks

Drive around with the 3G Field Tester collecting information during video calls, such as call events & states, continuous geo-location, and actual media sent or received, including stream errors



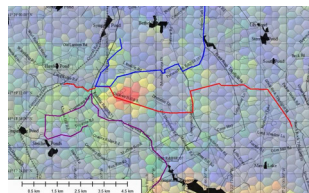
Analyze data

- Collect and merge data from several tests
- Analyze information such as call progress, media quality, and location per second
- Generate annotated table of quality vs. location vs. time



Review analysis

Show color-coded maps with digested information of quality "hot spots."
One-click display of: list of calls, route, collected data, actual video, and flags on route



Handset Comparison

Collect Data

Dial to various handsets, collect data separately, such as: actual media sent/received, protocol messages and errors

Analyze Data

- Capabilities extraction
- Specific codecs supported
- Handset media quality

Create Report

Compile a comparison table of measured capabilities and quality per handset to support handset selection decisions



Offline Video Quality Testing

Analyze recorded media to extract quality, providing a quality indication on an objective scale of 0 to 5. The addition of GPS support provides video quality indication for each location covered.

