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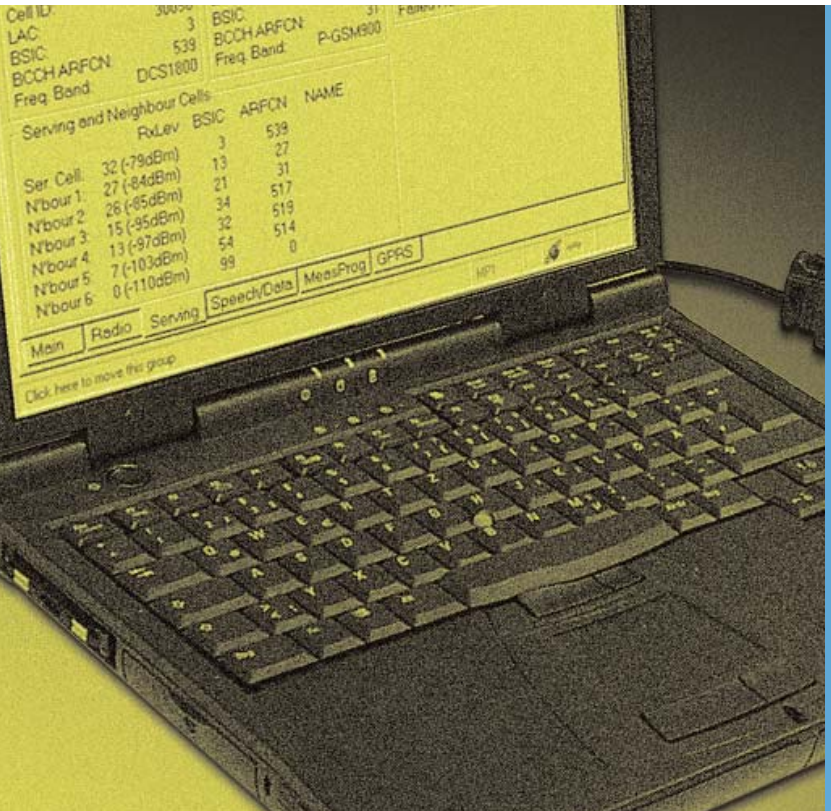
WilTek 8050

HindsitePlus



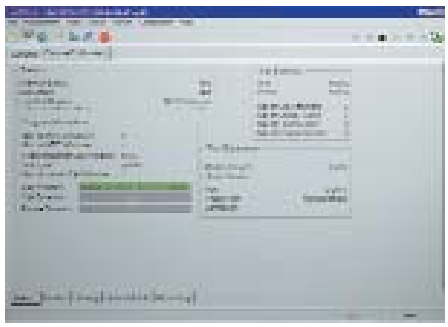
- Identifies critical issues quickly
- Assesses RF capacity simply with an intuitive graphical interface
- Maintains networks in realtime
- Captures data quickly and effectively
- Analyses offline fault diagnostics
- Troubleshoots rapidly with problem indicator and stored results

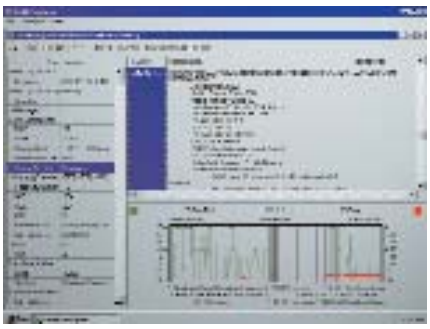
Drive Test Software for Cellular Wireless Networks

Willtek HindsitePlus is a powerful software application for testing and optimising mobile phone networks. Running on any Windows 2000 or NT-based notebook, it provides cost-efficient drive test data collection and analysis. It is suitable for use in a variety of markets, either for those needing to improve network performance, or those wanting to maximise network staff efficiency.

With the supplied test mobile connected to a notebook, the software allows operators to determine the performance of the mobile network from a subscriber's perspective. Incorporating a powerful field analysis tool that delivers immediate results, it is able to measure the RF environment and signalling parameters of the wireless networks air interface protocol.

With HindsitePlus network operators get an ideal tool for maintaining and troubleshooting their networks in order to provide superior customer service and increased profitability. It enables wireless infrastructure providers to verify the performance of an installation quickly and easily. Both consultancy groups and engineering service groups that provide optimisation tools can use it to verify network plans and frequency allocations without needing skilled technicians.





Powerful network service evaluation

Willtek's HindsitePlus software provides a thorough network quality evaluation in the field. Capable of mimicking the core functionality of a mobile handset as both a transmitter and receiver, it can identify critical issues affecting network coverage quickly.

Combining data collection and analysis, it allows the measurement of a wide array of air interface data, including signal strength, signalling messages, RXQual, RXLev and others. Delivering all of this through a simple, graphical interface, it assists in reducing manpower and engineering costs.

Other features include the ability to make MOC calls to a public service number, flexible scanning and RXQual in Idle mode, as well as complete BA and CA lists.

HindsitePlus simplifies result evaluation with its advanced analysis features that include screen markers to indicate events, as well as locations.

Real-time graphical display

A graphical interface and intuitive menu system makes the process of assessing RF capacity a simpler and more efficient process. Users are able to configure a graphical display of any selected measuring parameters plotted against a timeline.

Simplified data capturing

The software combines data collection and analysis into a single package.
It is configurable for use by both skilled and unskilled users without limiting either. Technicians are able to perform in-depth interference and RF scans.

Combining data collection and analysis, it allows the measurement of a wide array of air interface data

Powerful analysis capabilities

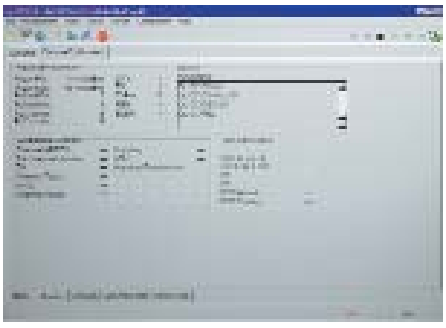
The system has flexible and powerful embedded analysis features that are accessible through an easy-to-understand MMI. It allows both real-time and offline analysis for maximum flexibility and convenience. Users can view network messages, cell information and measured values, balanced against call success statistics.

Speedier troubleshooting

Enabling rapid network problem solving, the software is able to force the network to behave in a particular manner, allowing specific investigations into issues. These functions include handover suppression, path loss override and cell barring override, or forcing the test mobile into full rate.

Future-proofed technology

HindsitePlus runs on any notebook using Windows 2000 or NT and uses the 8501 GSM Air Interface Test Module, a fully calibrated test mobile that incorporates technology used in over 20 other mobile phone designs.
It is compatible with GSM 900, 1800 and 1900, with TDMA and CDMA available soon. It is capable of being field-upgraded as required, future-proofing it against new technologies like GPRS, EDGE and UMTS.



Available markers

Call error
Set-up
Connect successful
Connect fail
Disconnect
Release
Release error
Break
User break
Handover command
Handover complete
Handover failure
Location update request
Location update accepted
Location update rejected
Cell reselection
Immediate assignment
Immediate assignment reject
Assignment command
Assignment complete
Assignment failure
User markers

Dedicated rode reports, Idle mode reports

Transmission conditions
– Channel number (ARFCN)
– Field strength (RXLev) of serving cell
– Field strength of the 6 best non-serving cells
– BSIC of the BTS
Recorded "Dedicated Channel" parameters
– Signal transit time (TA)
– Transmitting power
– Bit error rate (RXQual)

Dedicated channel reports

BCCH frequency
Serving cell BSIC
Channel type
Time slot number
Subchannel number

Layer 3 messages

All layer 3 signalling channels messages are recorded along with an indication of the transmission direction.

GPS data and status

Location coordinates
Elevation
Speed
GPS fix level

Ordering information

HindsitePlus (incl. HindsitePlus SW, manual and dongle)	M 248 602
HindsitePlus Software only Software (CD ROM)	M 879 171
8501 GSM Air Interface Test Module	M 100 801
Accessory Kit MAX-502	M 248 600
Accessory Kit MAX-503 with GPS	M 248 601

Note: Specifications, terms and conditions are subject to change without prior notice.

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