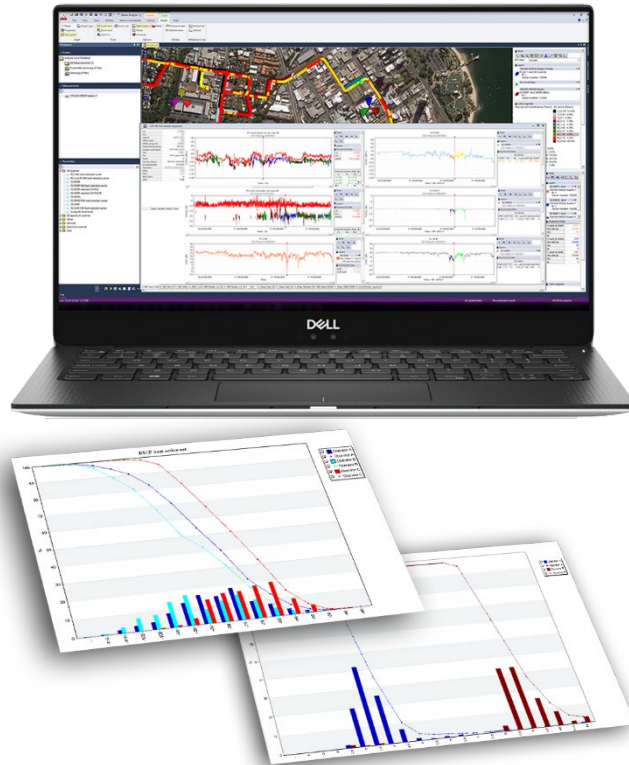


Nemo Analyze

Professional and Powerful Post-Processing of Field Test Data



Nemo Analyze is a cutting-edge analysis tool for performing optimization, troubleshooting, benchmark analysis, and statistical reporting. Its predetermined report templates help you analyze and compare key performance indicators (KPIs) from different operators, technologies, and time frames and visualize the results in a single report. Nemo Analyze supports all 3GPP network technologies, including 5G NR, NB-IoT, LTE-M, LTE-A CA, VoLTE/ViLTE, VoWiFi, and mMIMO. Integrating Nemo Analyze with other Nemo tools provides a complete automated data processing chain from raw measurement data to automatically generated results in workbook format.

Features

- Desktop/laptop field test post-processing tool providing in-depth analysis, reporting, and optimization capabilities.
- Market-leading 5G NR analytics including 3D visualization of 5G NR beamforming and other test data.
- Best-in-class data visualization with fully customizable, time-synchronized multi-page workbooks and a comprehensive set of data views.
- Support for web-based live maps including Google Maps and OpenStreetMap.
- Diverse reporting capabilities with spreadsheet reports.
- CDR-based off-the-shelf reports available for voice and data, with support for technologies from GSM to LTE-A CA.
- Extensive customizability with KPI Workbench and other custom query methods.
- Full automation of the data processing chain, from field test data upload to full analysis results.
- Data organization capabilities improve efficiency in analytics tasks.
- Seamless integration with Nemo products ensures 100% correct interpretation of the measurement data produced by your Nemo tools.
- NPS (Network Performance Score) support with report and dashboard.
- PostgreSQL database engine has a strong reputation for reliability, data integrity, feature robustness, and performance.

Market-Leading 5G NR Analytics

Nemo Analyze supports the analysis of 5G NR UE and scanning receiver measurements performed with Nemo data collection tools. Nemo supports a leading set of KPIs for advanced 5G NR analytics. Nemo Analyze provides a comprehensive set of ready-made report templates and playback workbooks with all the key metrics and KPIs for quick analysis. An automated routine for plotting the SSB beam footprints of all beams is also included. With the optional 3D Visualizer, 5G NR beams can be visualized on a 3D model to detect the attenuation of buildings and trees on the signal level and to evaluate beam width and coverage in real life. In addition, Nemo Analyze supports measurements done with Keysight's FieldFox portable spectrum analyzer.

Wide-Range Analytics and Reporting

Nemo Analyze with its full set of data views for detailed analysis and playback is the perfect solution for troubleshooting, optimization, and statistical reporting tasks for users with specific KPI reporting and analysis needs. Nemo Analyze enables the creation of custom KPIs and analysis tasks with KPI Workbench, a graphical flowchart-based scripting engine. Custom reports can be easily created with Spreadsheet Report Designer and reports can be exported to MS Excel. Nemo Analyze includes automated analysis tasks for most common 5G NR, 4G LTE, 3G, and 2G network problems and drill-down from problem events on maps and grids enables efficient troubleshooting over large sets of data.

Best-In-Class Field Test Data Analysis

The Nemo Analyze system incorporates an innovative, easy to set up and use, low-maintenance database engine that has been designed and optimized specifically for high-performance post-processing of field test data. The proven architecture, robust feature set, and extensibility of the PostgreSQL database enables concurrent data uploads and powerful automation capabilities, especially for enterprise use and for other large-scale environments.

Nemo Analyze is the best post-processing solution for data produced by Nemo tools. In addition, InfoVista TEMS and R&S SwissQual file formats are supported. Nemo Analyze supports Windows 10/11 64-bit.

Keysight enables innovators to push the boundaries of engineering by quickly solving design, emulation, and test challenges to create the best product experiences. Start your innovation journey at www.keysight.com.



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