# Focus Analyzer

The tool stands as a versatile post-processing solution for mobile network testing, adeptly handling large volumes of log data. It features powerful optimization and troubleshooting capabilities, along with a highly adaptable auto-reporting feature that empowers users to effortlessly design and generate reports through intuitive drag-and-drop functionality.



## Technology

The tool offers extensive analysis support for multiple technologies, from 2G to 5G SA and NSA, as well as Wi-Fi and Bluetooth.

## Log file support

Rohde & Schwarz (*.sqc), Enhancell (*.echo), Qualcomm (*.dlf), Ookla Wind (*.drm), PCTel (*.dtr), Nemo (*.nmf), AZENQOS (*.azm), PCAP, Plain Text (TXT, CSV, Excel)

## Terabyte data

The tool excels in efficiently handling large log files and storing terabytes of data within a free open-source database.

## Data Management

The tool organizes data with a configurable hierarchy, allowing users to easily structure data according to different attributes, create flexible data streams, and analyze data at various levels. Its strong data filtering capabilities further accelerate the process, simplifying the refinement of specific data and streamline post-processing tasks.

Moreover, the tool's private cloud platform is designed to handle even larger datasets by configuring a computer cluster with multiple databases. This setup enables multi-location data parallel processing, centralized data storage, and convenient cloud access.

## Rich data presentation

The tool boasts a rich array of data visualization features, encompassing time-sequence views such as Message View, Map View, Table View, and Time-series Chart. It also offers statistical views like Multi-dimensional View, Aggregation Chart, Cell Coverage View, and Correlation Chart.

## Analysis and troubleshooting

The tool excels at automatically detecting common network issues and presenting them on maps, tables, or charts, offering the ability to delve into the specifics with pertinent information. Users can create their analysis profiles and effortlessly apply them to other datasets with a single click operation.
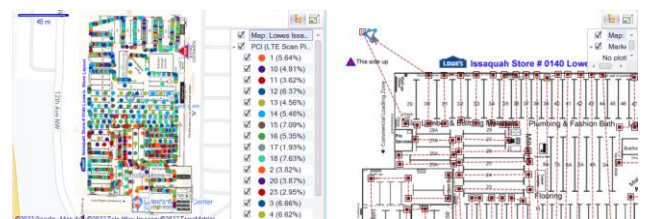
## Customized KPIs and diagnosis

The embedded script development tool empowers advanced users to create new KPIs and diagnostic insights by implementing their logic. Requiring only fundamental programming skills, this tool enables users to manipulate any measurement data, including information elements within Layer 3 messages, IP packets, and core traces. With this tool, users can automate personalized root cause analysis, issue detection, and remedy suggestions.

## Indoor and outdoor mapping

The tool provides extensive mapping features for indoor and outdoor use, including offline map data caching for outdoor maps.

Additionally, the tool supports the integration of digital images and floor plan photos. Its built-in image rectifier simplifies the process of adding geocoding to floor plans through intuitive drag-and-drop functionality on the online outdoor map view. This feature enables the seamless display of indoor floor plans overlaying atop outdoor maps.

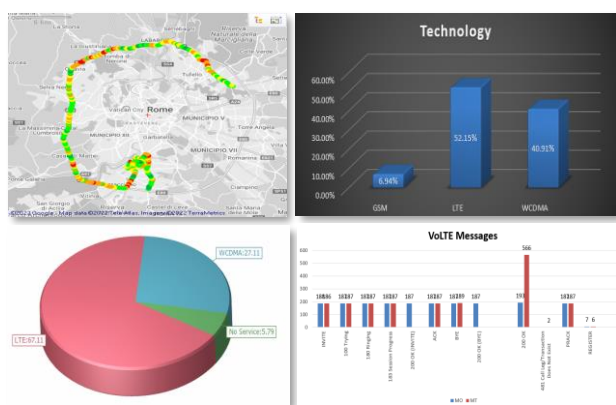Moreover, the tool supports online map types like Google, Bing, and Open Street.



---

# Auto-reporting

The tool includes a robust report template builder, enabling users to generate reports of varying complexity levels effortlessly through an intuitive drag-and-drop interface. Users have the flexibility to create simple reports featuring map views, graphs, and statistical values, or more comprehensive reports encompassing SSV, Acceptance, Cluster, Management, Benchmark, Rollout, Parameter audits, and interference reports.
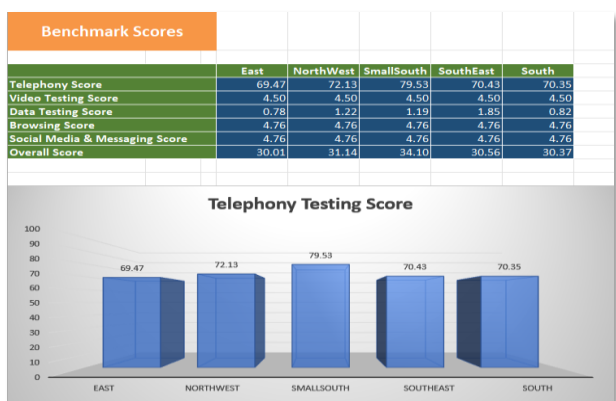
The tool automates reporting by segmenting data based on attributes such as technology, band, channel, cell ID, and operator, enabling the generation of individual or side-by-side reports.

Users have the options to output reports in multiple formats such as Excel, Word, PDF, HTML, PowerPoint, or seamlessly insert them into existing PowerPoint presentations.
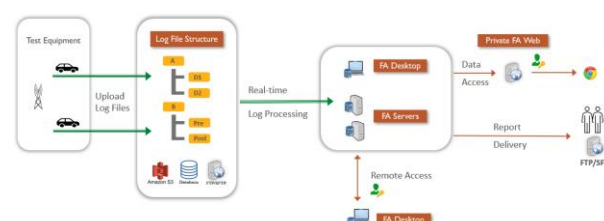


# Network Performance score

The tool can calculate network performance scores by either applying the industry-recommended methodology or defining a custom methodology with chosen KPIs and weights. It presents results in tables or charts to facilitate multi-dimensional comparisons. Moreover, it offers the capability to highlight the highest score on the Map View for easy reference.



# Automation

The workflow, spanning from the monitoring of new log data, data processing, and scheduled report generation, all the way to report delivery, is entirely customizable and automatable. When an automation task is established and scheduled to run, it operates autonomously and continuously 24/7, with status updates via email or text as per the schedule.



# Private cloud and web

The tool offers versatile deployment options, including a standalone Windows application, a private cloud server for centralized processing, and remote access, as well as a web-based solution for dashboards, reporting, and lightweight data analysis.

# Custom-built

The tool can be tailored to your specific needs, designed to automate tasks, and significantly enhance your efficiency and productivity.

# Low deployment cost

The tool utilizes a free open-source database and runs smoothly on regular Windows machines without requiring costly hardware setups.

# Flexible licensing

We offer both perpetual licensing and annual subscription options with competitive pricing.

# Contact

Sanworl Studio LLC
100 Walnut Avenue
Clark, NJ 07066 USA
www.sanworl.com
info@sanworl.com