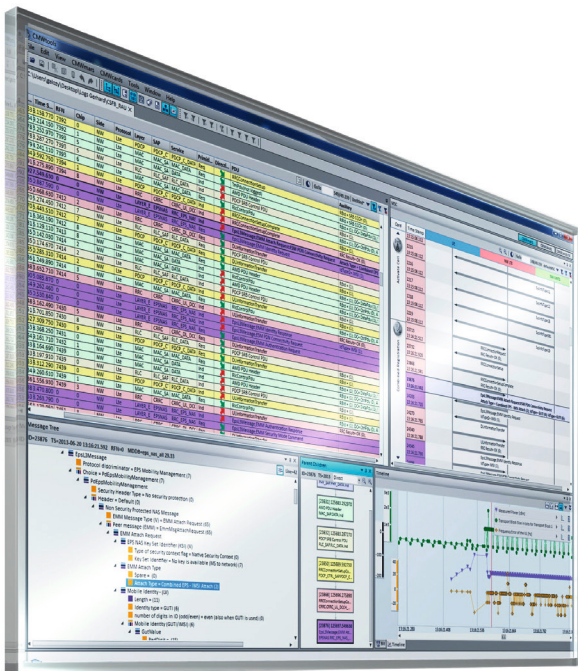


# R&S®CMW-KT021/ R&S®CMW-KT023 CMWmars

## Multifunctional logfile analyzer for all wireless standards

R&S®CMWmars is the new message analyzer  
for all R&S®CMW500 signaling applications.

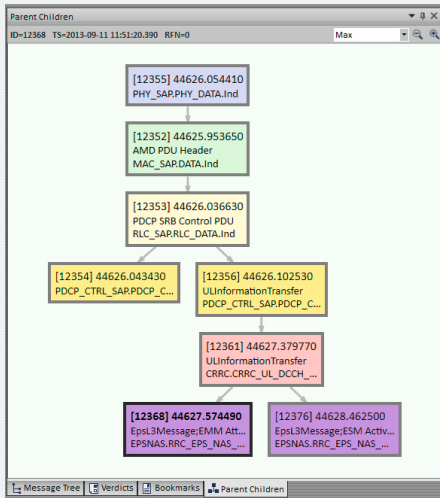


Efficiently analyze recorded message logfiles or trace information on the fly in realtime, while a test is running. The convenient, intuitive R&S®CMW-KT021/ R&S®CMW-KT023 CMWmars user interface combined with various tools and views helps users quickly narrow down the root cause of signaling protocol and lower layer problems. The multifunctional logfile analyzer provides access to all information elements of all protocol layers for LTE, WCDMA, GSM, TD-SCDMA, CDMA2000® and WLAN, including the IP layer. It is well-established as the standard analysis tool for customers such as chipset manufacturers, handset manufacturers and mobile network operators as well as for device certification in test houses.

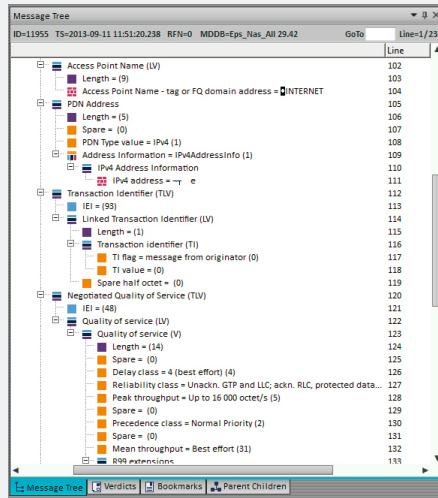
R&S®CMW-KT021/R&S®CMW-KT023 CMWmars presents the logfile in various synchronized views that visualize the data from different perspectives, helping users to post-process complex message logs in a very intuitive and easy way.

### Benefits

- One protocol analysis tool for all R&S®CMW500 applications
- Access to all protocol stack layers of all radio technologies, incl. IP data layer
- Various views from different perspectives, from a first overview down to the details
- Easiest filtering thanks to optimized GUI usability
- Inline message and message content comparison
- PASS/FAIL view at a glance
- Unique graphical timeline view for chronological analysis
- Easy navigation in log files with powerful fulltext search features and bookmarks
- Realtime display of message flow (online tracing) during test case execution
- Effective graphical protocol measurement charts for throughput and BLER measurements on all layers
- Postprocessing (offline analysis) of recorded message logs
- Powerful scripting interface for automatic logfile analysis using predefined macros



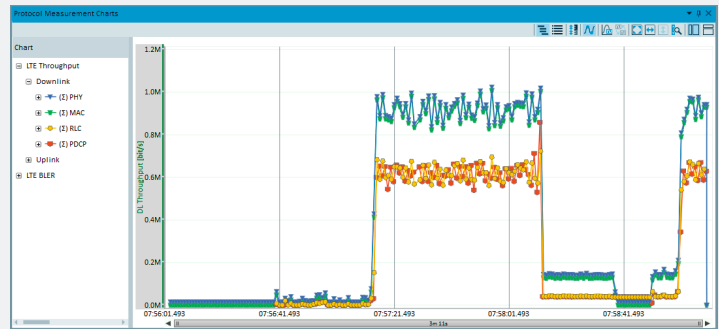
Parent/children view illustrates the path a signaling message takes through the various protocol layers.



Message tree view with decoded message information elements for all wireless technologies.

UE capability summary shows the test device's supported features and capabilities at a glance.

Table view of all recorded messages sorted by timestamp, with the option to search and filter according to specific criteria.



Graphical protocol measurements offers effective visualisation of throughput and BLER within a test case.

## R&S®CMWmars licence options

### R&S®CMWmars log viewer

free of charge

- One executable
- Streamlined feature subset
- Suitable for offline log sharing within distributed teams

### R&S®CMWmars basic R&S®CMW-KT021

- R&S®CMW500 and PC installation
- Offline log processing and online realtime tracing
- Suitable for R&S®CMW500 RF tester, R&S®CMWcards

### R&S®CMWmars advanced extension R&S®CMW-KT023

- In combination with basic version
- Advanced usage for automatic log processing and scripting
- Suitable for R&S®CMW500 protocol tester, etc.

CDMA2000® is a registered trademark of the Telecommunications Industry Association (TIA-USA).

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