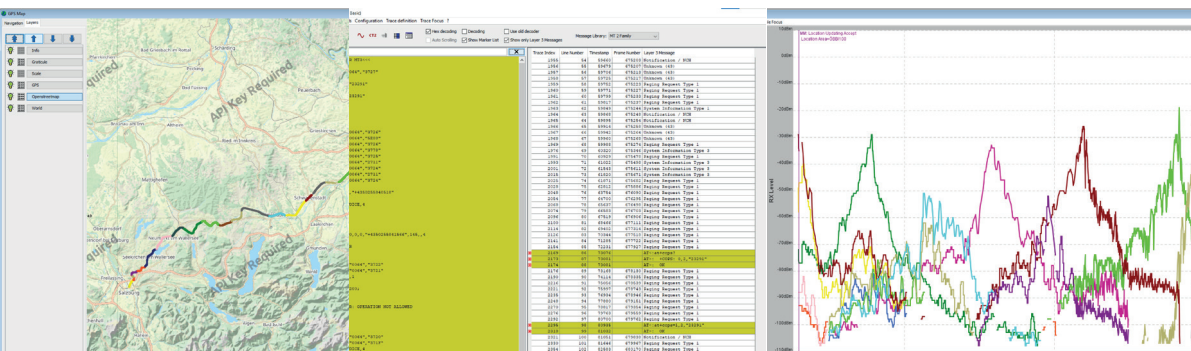


## TRACE 2



Trace2 can be used to display and analyze recorded trace messages. The trace data are created on the MT module and are transferred via a proprietary binary trace protocol between the MT module and PC to the Trace2 server where they are decoded.

## FEATURES

- » Trace of GSM Layer-2 and Layer-3 including ASCII and AT command messages
- » Full decoding of messages based on 3gpp specifications.
- » Additional short decoding of GSM Layer-3 message contents
- » Realtime trace analysis possible
- » Post processing and replay of existing trace data
- » Searching in trace data and decoded message contents
- » Filtering of trace messages
- » Book marking and color highlighting of trace messages
- » Integrated terminal program (Comtalk II) with user definable buttons, test scripting capabilities and support for downloading software into mobile terminations

## FEATURES

- » Synchronization of trace message selection across all presented views (RSSI chart, GPS map, Trace Data Table, Bookmarks)
- » RSSI chart: graphical presentation of quality, timing advance and field strength
- » GPS map: graphical presentation of related GPS data
  - Standard geographical maps (such as shapefiles .shp) can be integrated by the user as layers for GPS data presentation
  - Integration of Openstreetmap geographical data via internet connection.
- » Scanning Chart: graphical presentation of the results of the GSM-R frequency scanning.
  - Based on a special mode of the radio modules, the Trace2 can be used as a GSM-R frequency scanner to analyse network problems such as blockages and interference
- » Export of trace data including decoding information in .txt and .xls format.
- » Conversion of data logger trace data into .trx format

## OPTIONAL FEATURES

- » Trace of GPRS Layer-2 and Layer-3
- » Short decoding of trace messages can be customized on request
- » QoS-Test Scripts according O-2475 available (additional license)
- » Additional test scripts for QoS measurements are available on request
- » User defined post processing of trace data possible on request