

TravelHawk Pro

LIVE LTE NETWORK CAPTURE AND ANALYSIS

OVERCOMING ENGINEERING CHALLENGES

On-site troubleshooting

Complete visibility

Quick error resolution

Field engineer empowerment



Relevant LTE Network Components









Applicable Technology Phases



ULTIMATE PORTABLE TROUBLESHOOTING ANALYZER

Accurate Capturing

- > Up to 40 Gbit/s line-rate data-processing
- > Simultaneous multiple 1 GigE and 10 GigE support
- Storage capacity for over 10 Million LTE sessions (signaling and user plane)

Full LTE Network Coverage

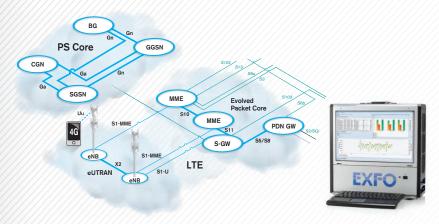
- All LTE/EPC signaling and user-plane interfaces analyzed and correlated
- Statistics, session analysis and detailed protocol analysis support
- Detects all commonly used applications such as Skype, Facebook, FTP, e-mail and VoLTE
- > Seamless signaling to user-plane correlation

Portability With Performance

- > Easy to carry to any site
- > Interface analysis from live MME/SGW site



ADVANCED CAPTURE AND PERFORMANCE ANALYSIS FOR COMPLETE NETWORK VISIBILITY



All interfaces supported with statistics and details

LTE Live Network Troubleshooting

- Customer trouble ticket resolution
- , MME/eNB/SGW
- > E2E troubleshooting
- System or element verification

Transmission and IP-Application Analysis

- > Ethernet network issues
- User experience per application
- First-office application testing and verification

Data Capturing

- > Over multiple links
- 1 GigE and10 GigE links
- Data availability ensured in any part of the network

ANALYSIS APPLICATIONS



- 1 Diagnostics Suite gives information to determine QoE: See network KPIs, subscriber and application-level QoS, call and IP session data and a wide range of network statistics.
- Call and Session Analysis for troubleshooting: See how individual calls or sessions evolve over multiple interfaces with detailed phase information and other parameters.
- 3 Protocol Monitor enables root-cause analysis: See how the elements communicate with each other by following the sequence of messages with full details.

TECHNICAL SPECIFICATIONS

Power supply

- > AC (standard)
- > Additional -48VDC (optional)

Interface cards (copper/optical)

- 4 x 1 GigE (Max 2 per unit or mix with 10 GigE card) (NH5507)
- 2 x 10 GigE (Max 2 per unit or mix with 1 GigE card) (NH5505)

Analysis options

- > LTE/EPC signaling analysis (TH007)
- > IP-application analysis (TH008 or TH009)

Clients

- > Diagnostics Suite (TH0011)
- > M5 Analyzer client software (TH0012)
 - > LTE/EPC detailed analysis package (TH0013)
 - SIP/IMS detailed analysis package (TH0014)

