![NetWorks - a product of DETECON]

Project Goals

To balance traffic between spectrum bands in order to minimize network expansion optimally

NetWorks Approach

- Data processing in NetWorks (aggregation of traffic, normalization)
- Calculating deviation from optimal traffic share for each cell and frequency band (carrier)
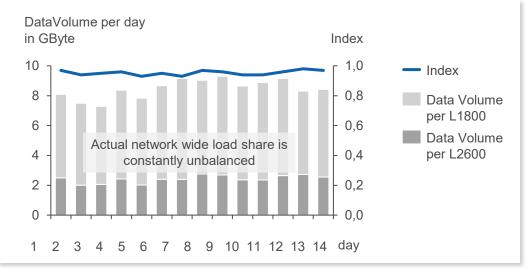
Client Benefits

- Allows spectrum valuation by calculating revenue per spectrum
- Supports device strategy by identifying gaps between user equipment's and network's capabilities

Operational Excellence

Spectrum Usage Index – investigation actual usage of bandwidth/carriers

Evaluating load per carrier per sector

- Topology data collection (sectors with cells)
- Performance measurements for 28 days (data volume, resource blocks)
- Identification of critical network elements with unbalanced usage as candidates for optimization (software, hardware)

DataVolume per day in GByte — Index

Actual network wide load share is constantly unbalanced

Legend: Index — Data Volume per L1800 — Data Volume per L2600

Spectrum Usage Index