

Agile 5G with CovMo™

FIRST-TO-MARKET 5G GEOLOCATION SOLUTION

The architectural complexities of 5G introduction challenge mobile operators in diminishing costs while also accelerating their network deployments. CovMo™ has evolved to ensure a smooth and agile transition to 5G. The CovMo™ integrated multi-vendor geolocation platform ideally supports a seamless 5G services launch. It facilitates the planning and optimization of the 5G network during the NSA and SA phases and beyond. CovMo™ 5G most efficiently monitors and analyzes network performance to assure optimum customer experience.

FEATURES



Hotspot Detection

Deep insights into the network performance to detect Hotspots and Notspots of the most critical KPIs for the initial 5G network build-out.



Service-Centric Support

Traffic differentiation by service and location to monitor QoS – imperative for the visualization of the 5G NR services (eMBB, URLLC, and mMTC) supported by advanced technologies such as Massive MIMO, Beam Forming, SDN, NFV, Network Slicing, etc.



Device Differentiation

In-depth visibility into end-user and machine-type devices to assure 5G service reliability and high availability, in support of SLA's.



Full Spectrum Analysis

Performance analysis of each frequency band – crucial for the monitoring of mmWave frequencies.



High Mobility Experience

Geolocated handover KPI analysis – master and secondary node initiated SgNB and cell change to assure mobile continuity.



Dual Connectivity Support

Multi-RAT dual connectivity management analysis to secure optimal throughput and load-balancing.

BENEFITS

- Efficiently make 5G site planning decisions while reducing CAPEX and OPEX during the introduction.
- Monitor the network end-to-end and understand subscribers Quality of Experience (QoE) to enforce supplier and maintain customer SLA.
- Significantly decrease time to troubleshoot - and optimize network performance during 5G rollout.
- Drastically minimize reliance on time-consuming and costly drive and walk testing.

DIFFERENTIATORS

Highest Geolocation
Accuracy

Lowest Data
Processing Latency

Leading Geolocation
Solution from 2G to 5G

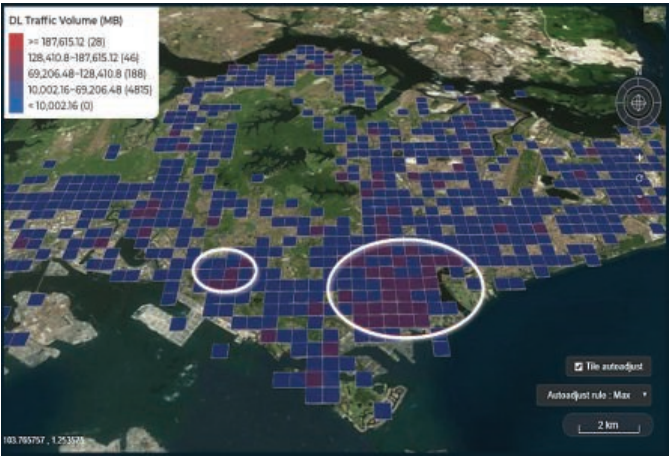
Support World's First E2E Fully
Virtualized Network

HARNESS UNMATCHED 5G NETWORK VISIBILITY – ALL PHASES FOR BEST QOE

1 PLANNING & DESIGN

Guarantee Service Availability

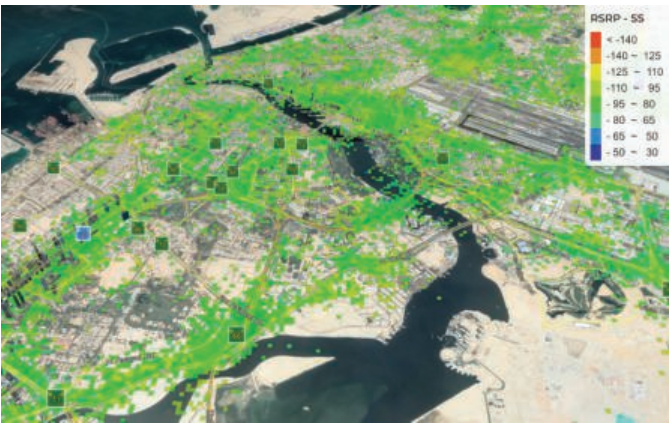
CovMo™ provides operators with the required visibility to build a robust interdependent 5G NR access – and 4G core network. Operators can detect traffic hotspots where the planned maximum 4G capacity has been exceeded and reveal areas where the subscriber experience is unsatisfactory to precisely identify where to deploy 5G first. CovMo™ 5G is able to differentiate between sites that might only require optimization or more capacity and is used to assure compliance with 5G Service Level Agreements (SLA) – including high service availability.



2 IMPLEMENTATION & TROUBLESHOOTING

Speed Up Commercial Readiness Of 5G Sites

CovMo™ offers near real-time health site reports to validate 5G network design implementations. For instance, it geolocates interference and dominant cell, allowing accurate rectification of increased interference due to the densification of 5G networks. Moreover, CovMo™ is programmed to automatically detect and alert regarding underperforming network elements, which allow operators to troubleshoot failures immediately, speeding up problem resolution of commercially available sites.



3 MONITORING & OPTIMIZATION

Deliver Superior Customer Experience

CovMo™ 5G customer and service-centric monitoring capabilities allow operators to have a clear and immediate understanding of the network performance and the subscriber's quality of 5G experience. Operators can leverage CovMo™ geolocated network KPIs to analyze end-to-end 5G network interworking with legacy networks, and consequently, boost 5G performance to continuously deliver superior customer experience.

