



Forte



Forte is a powerful 2G optimization tool delivering highly automated, measurement-based spectrum refarming, and GSM optimization.

As operators focus on their 3G, 4G and 5G networks, the 2G network still has an important role to play. By maximizing spectrum efficiency of the 2G network, excess spectrum can be refarmed and utilized for additional capacity on newer technologies.

Additionally, in some areas, the 2G network is still the primary voice and emergency calling network. A well optimized 2G network is a critical necessity for many subscribers.

Forte delivers automated frequency planning, spectrum refarming and neighbor list optimization to maximize the quality and mobility of the GSM network.

Proposed frequency plans can be benchmarked against existing configurations to see potential performance improvements, or to model performance degradation that could occur when spectrum is drastically reduced.

Optimize and re-farm your multi-vendor GSM network with minimal effort



Automated

Automated data collection, parsing, analysis and provisioning scripts deliver engineering efficiency.



Accurate

Precise Interference Matrix based on mobile measurements delivers accurate results.



Multi-Vendor

Compatible with all the major GSM network equipment vendors.



Spectrum Re-farming

As customers adopt newer technologies, older networks become under-utilized, allowing spectrum to be re-farmed with no degradation of performance.

Forte uses advanced simulations and accurate network modeling to deliver best-in-class spectrum re-farming. It delivers future-proof plans by incorporating expansions into the design and is highly efficient with automated data collection, parsing, analysis, and implementation scripts. Forte's measurement-based approach achieves significantly better results than a traditional prediction-based approach, which tends to produce inconsistent results.



Network Optimization

Forte optimizes complex multi-vendor GSM networks:

- Automatic frequency planning enables instant allocation of low interference frequencies for new sites, and automatic frequency planning for complex network architectures, such as OL/UL, dual-band, and mixed-frequency allocation schemes.
- Advanced neighbor-list optimization identifies missing neighbor relations and removes redundant ones. This improves subscriber mobility, reducing dropped calls and handover failures.
- Troubleshooting capabilities include wrong azimuth, swapped sectors and overshooting sector detection.

Forte is part of Aircom's Mentor Suite, a comprehensive portfolio of products delivering advanced subscriber geolocation analytics and network optimization.

The products within the Mentor Suite are each tailored to meet the needs of specific groups of users. They are multi-technology, covering 2G, 3G, 4G and 5G, and support all the major network equipment vendors. Our best-in-class geolocation algorithms employ innovative machine learning based positioning techniques. Automation and closed-loop capabilities deliver improved operational efficiencies, and the Mentor Suite is fully GDPR compliant.



CogniSense

Multi-technology network monitoring, analytics, structured troubleshooting and reporting.



Mentor

Multi-technology user driven troubleshooting and automated cluster wide optimization.



Forte

Automated GSM frequency planning, neighbor list optimization and spectrum re-farming.



Mentor Server

Single common backend for data collection, system monitoring, administration and APIs.



Aircom is a network engineering tools market leader.



About Aircom

Aircom is a leading provider of RAN analytics, design, and optimization solutions to communication service providers worldwide.

Aircom is a brand that you have known and loved for many years, now backed by the financial strength of TEOCO.

For over 25 years, Aircom has enabled mobile operators to automate how they plan, configure, and optimize their networks. This is even more critical when dealing with complex services like fixed wireless access (FWA), 5G standalone, private networks, and IoT, where everything needs to work in harmony to deliver a supreme customer experience. Through advanced analytics, our products provide actionable and measurable insights into network and customer behavior.

Cutting-edge products and services.

Market-leading solutions for addressing today's complex RAN environments.

Innovation is in our DNA.

We have the latest AI/ML-powered algorithms, automation, and new services to revolutionize your RAN.

Trusted by the world's leading service providers.

With 100+ customers in 80+ countries, we have the knowledge and experience you're looking for.

With decades of experience and a customer list that spans the globe, Aircom helps its customers improve service quality, resolve network challenges, automate processes, and establish a competitive edge.

Trusted globally

2000+

Users logins into Aircom tools daily

100+

CSPs run their networks using Aircom tools

80+

Countries with active Aircom tools & services