



AGLOCELL SPECTRAMAX rAPP

Intelligent Automation for Superior
Network Performance & Profitability



Aglocell

Intelligent Automation 1-9 • System I CSW / All Rights Reserved.

INTRODUCTION TO SPECTRAMAX

BRIEF INTRO

The **Aglocell SpectraMax rApp** is a Network Optimization rApp designed to optimize mobile network efficiency. It leverages advanced AI and automation to maximize profitability by boosting 5th percentile speeds, slashing densification Capex, and increasing overall network capacity without expensive hardware upgrades.

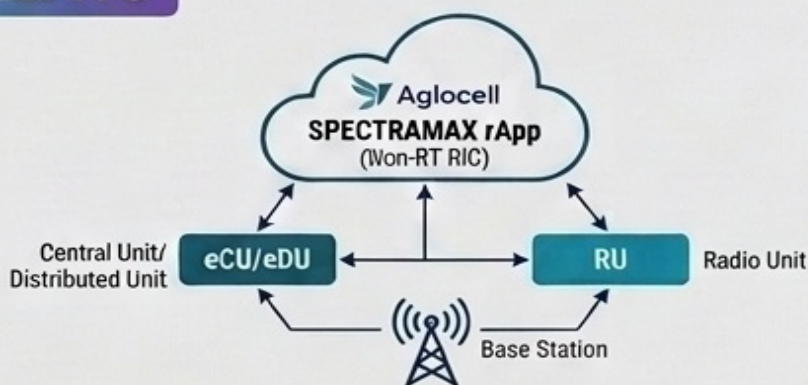
SETTING THE SCENE

Mobile network operators face the challenge of rising data demand and high customer expectations against a backdrop of costly infrastructure expansion. Underperforming network areas lead to **poor user satisfaction, churn, and lost revenue**. Traditional optimization methods are often reactive and manual, failing to address cell-edge performance bottlenecks effectively. A smarter, automated approach is essential for sustainable growth.

INTRODUCTION TO SOLUTION

SpectraMax is an intelligent, AI-driven rApp that operates within the Non-Real-Time RAN Intelligent Controller (Non-RT RIC). It provides a closed-loop, automated solution for precise network tuning. By analyzing granular data, it proactively optimizes 5th percentile speeds, resolves localized quality issues, and unlocks latent capacity in existing physical and Cloud RAN deployments.

KEY BENEFITS



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SOLUTION BENEFITS & OPTIMIZATION DETAILS

KEY BENEFITS

-  **1. 5th Percentile Speed Boost:** Directly addresses cell-edge performance bottlenecks for a consistent user experience.
-  **2. CAPEX Reduction:** Minimizes the need for expensive hardware rollouts by maximizing existing asset utilization.
-  **3. Revenue Growth:** Unlocks latent network capacity and enhances customer satisfaction, reducing churn.

OPTIMIZATION MECHANISM

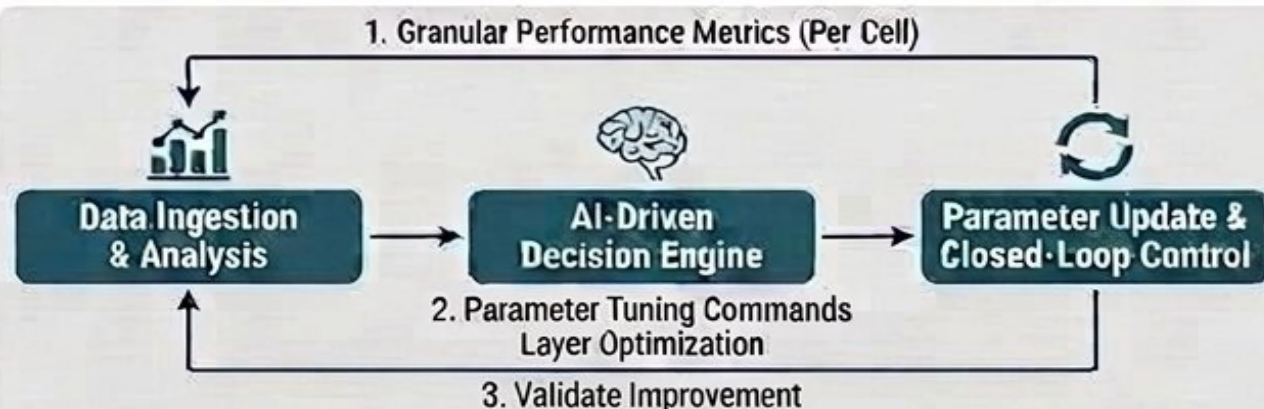


Figure 2: Aglocell Closed-Loop Optimization

The **Ericsson Intelligent Automation Platform (EIAP)** provides Service Management and Orchestration (SMO) for Open RAN and further enhances openness, network management, and automation by supporting multi-vendor and multi-technology RAN environments.

EIAP is supported by open interfaces and the industry's leading Software Development Kit (SDK) to enable an ecosystem of developers with all the capabilities needed to innovate, build, validate, share and operate rApps.

CALL TO ACTION **LEARN MORE & REQUEST A DEMO** | contact@aglocell.com