LS telcom
Smart Spectrum Solutions

SPECTRAemc: Tactical Spectrum Engineering for Defense

Empowering Defense with Precision, Automation, and Resilient Connectivity

SPECTRAemc is an advanced spectrum engineering tool tailored for tactical defense missions. Fully operable in offline/disconnected environments, it empowers defense organizations with real-time, precise spectrum analysis.

Key Features

- **Frequency Assignment -** Efficient allocation of channels to avoid interference.
- **Coverage Prediction -** Identify optimal transmitter locations for reliable communication.
- **De-Confliction Analysis -** Minimize conflicts using advanced modeling tools.
- **Automation -** Wizard streamlined tasks like frequency de-confliction and coverage analysis.
- **Support for MANET -** Ensure resilient, real-time communication in infrastructure-limited areas.
- **Communication Checks -** Real-time analysis to verify communication availability and connectivity during maneuvers.

Why choose SPECTRAemc?

- Operates seamlessly in disconnected mode.
- Designed for rapid tactical deployment.
- Fully integrates with the mySPECTRA suite for comprehensive spectrum management.

Real-World Applications

- **Frequency Conflict Resolution -** Automated detection and resolution of overlapping frequencies during high-stakes missions.
- **Convoy Protection -** Optimize jammer placement to safeguard against RCIED threats along planned routes.
- **MANET Deployment -** Rapidly set up mobile adhoc networks for reliable communication in dynamic environments.
- **Electronic Warfare and Reconnaissance -** Determine the best positions for jammers and reconnaissance devices to disrupt enemy communications and gather intelligence.

These use cases highlight SPECTRAemc's critical role in ensuring secure communication, protecting personnel, and maintaining operational superiority.

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Revolutionize tactical spectrum engineering with SPECTRAemc - contact us:

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