



NEWSLETTER

# VIAVI Wireless Express

Expert Insights to Optimize Your Network

## From Lab to Battlefield: Mission-Ready 5G

The battlefield isn't just boots on the ground anymore. It's drones in the sky, data at the edge, and decisions made in milliseconds.

That's why defense and government agencies are turning to 5G. But not all 5G is created equal.

Mission-critical environments demand networks that have been **tested, validated, and optimized** long before deployment, simulating real-world threats, stress-testing performance, and ensuring resilience from Core to Edge.

### And once in the field?

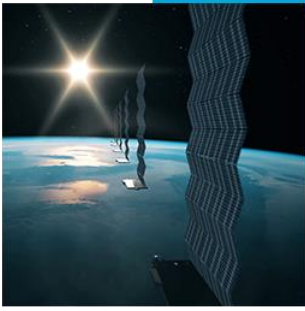
You need to ensure that you **deploy with trust**: verifying RF coverage, timing, and beamforming on-site. Clearing the spectrum, detecting, and locating interference in real time. Aligning with precision, tuning antennas and microwave links for peak performance. And above all, operating securely with encrypted, high-performance communications in any environment.

At VIAVI, we help defense agencies achieve all of this and more. With over a century of military communications expertise, we deliver **the next generation of mission-ready networks**.

Our complete portfolio for [Government, Aerospace and Defense](#) includes:

- Secure & Reliable Communications
- Electromagnetic Warfare
- Radar & Aerospace Systems
- Spectrum Monitoring & Signal Analysis
- Position, Navigation & Timing (PNT)

## Top Stories



## NTN for Military-Grade Connectivity

Achieve seamless mobility with stable, reliable 5G anywhere. Emulate LEO, MEO, and GEO satellites to test Doppler, delay, and handovers under real-world conditions.

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## TM500 Platform: Tactical Device & Drone Simulation

Emulate thousands of military radios, drones, and autonomous vehicles. Stress-test combat loads to validate performance in dense, contested scenarios.

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## Core Network: Control, Security, and Orchestration

Test secure network slicing, encrypted tunnels, priority access, and hybrid 4G/5G interoperability. Guarantee mission-critical traffic with assured QoS.

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## Security Compliance & PQC Readiness

Validate security performance and compliance. Ensure post-quantum cryptography (PQC) readiness to stay ahead of evolving cyber threats.

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## RF & Spectrum Performance Monitoring

Detect jamming, spoofing, sync errors, EMF risks, and cyber breaches. Maintain safe, reliable communications in contested environments.

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## On-Site 5G Deployment Verification

Deploy with confidence. Verify RF coverage, timing, and beamforming; detect and locate interference in real time to ensure peak performance.

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## GPS Clock Resilience Retrofit

Keep timing and navigation operational while under attack. Retrofit GPS receivers with multi-orbit backups to resist jamming and spoofing.

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## Electromagnetic Warfare & Cyber Defense

Equip teams to win the electromagnetic battle. Support spectrum operations, communications intelligence, EW training, and cyber defense testing.

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### We Are VIAVI

#### Trusted by Defense Agencies Worldwide

100+ Years of Innovation in Military Communications

1.8M+ Instruments in Use | 2,900+ Patents | 10K+ Assurance Systems Deployed

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