FOR IMMEDIATE RELEASE

Silvus Technologies Launches Spectrum Dominance 2.0
Next Generation EW Defenses – Built for The Evolving Battlespace

Ever-Expanding Suite of LPI/LPD, Anti-Jam and Advanced Threat Protection Capabilities
Providing Secure & Protected Communications in Contested Environments

- **Layered EW Defense in Contested Environments:** Spectrum Dominance 2.0 enhances Silvus' MN-MIMO waveform EW resilience with LPI/LPD, Anti-Jamming, and Advanced Threat Protection capabilities — empowering StreamCaster® MANET radios (AN/PRC-169) to maintain secure, high-bandwidth throughput communications even under intense electronic warfare conditions.
- **New Capabilities:** Spectrum Dominance 2.0 expands on Silvus' core AJ/LPD, and EW resilience features with the addition of Wake on Wireless and Dual Frequency Link – equipping the warfighter with even more capabilities to outmaneuver adversaries in the electromagnetic fight.
- **Modular and Scalable Capability Suite:** Built for operational flexibility, Spectrum Dominance 2.0 allows users to activate capabilities independently or combine them into a tailored EW defense profile—delivering spectrum overmatch without compromising range, throughput, or scalability.
- **Software-Upgradable and Mission-Ready:** Available via firmware update to existing StreamCaster MANET radios, Spectrum Dominance 2.0 extends the operational value of fielded systems—enabling rapid deployment of advanced communications resilience across handheld, mounted, and OEM-configured platforms.

Los Angeles, CA — July 1, 2025 — Silvus Technologies, Inc. ("Silvus") a global leader in advanced wireless networking solutions, today announced the launch of Spectrum Dominance 2.0 - the next evolution of its EW-resilient communications capabilities.

Available as a software licensable extension to Silvus' battle-proven MN-MIMO waveform, Spectrum Dominance 2.0 adds new features including Wake on Wireless and Dual Frequency Link to an ever-expanding suite of Low Probability of Intercept/Low Probability of Detection (LPI/LPD), Anti-Jam (AJ) and Advanced Threat Protection (ATP) capabilities that provide secure and protected mesh network communications in the most contested RF environments.

Together, they enable StreamCaster MANET radios (AN/PRC-169) to perform in congested and contested environments – empowering their operators with robust, mission-critical communications solutions to achieve their mission objectives even under electronic attack.

Building on years of real-world operational deployment and mission success, Spectrum Dominance 2.0 takes a layered approach to EW defense, forcing an adversary to penetrate all layers before disrupting communications. Spectrum Dominance 2.0 offers modular flexibility – enabling users to deploy features independently or combine them into a tailored EW defense profile to enhance mission performance and achieve RF spectrum overmatch. Silvus is the only tactical MANET provider that delivers Spectrum Dominance without sacrificing range, throughput, robustness, or scalability.

SILVUS TECHNOLOGIES

"Spectrum Dominance 2.0 is the direct result of field-driven innovation from the front lines of today's EW battlespace," said Jimi Henderson, Vice President of Sales at Silvus Technologies. "Our unique multi-layered approach for LPD and AJ resilience provides the warfighter with tools to outmaneuver even the most sophisticated EW threats."

"Our mission is to equip the warfighter with next-generation communications that deliver decision dominance and RF spectrum overmatch across today's dynamically changing battlespace," added Babak Daneshrad, Silvus Founder and CEO. "With Spectrum Dominance 2.0, we've elevated EW resilience to a new standard – delivering the reliable performance users expect from StreamCaster MANET radios – even when operating in EW contested environments."

Spectrum Dominance 2.0 – Key Capabilities:

LPI/LPD: Delay or Deny Adversarial Detection

- MANET Power Control (MAN-PC): Automatically minimizes the RF footprint of StreamCaster MANET radios – dynamically throttling power to the minimum amount necessary to maintain network connectivity
- Wake On Wireless: Enables StreamCaster MANET radios to receive data without emitting control traffic to gather intelligence without revealing position. A radio in Stealth Mode can be activated via Wake on Wireless, either remotely or locally.

Anti-Jam: Mitigate Electronic Warfare Attack

- MANET Interference Cancellation (MAN-IC): StreamCaster MANET radios automatically perform real-time interference monitoring. At the onset of jamming, MAN-IC employs sophisticated spatial signal processing techniques to nullify the offending interfering signal.
- MANET Interference Avoidance (MAN-IA): StreamCaster MANET radios dynamically scan and monitor the RF spectrum for interference across multiple user-defined channels. At the onset of jamming, MAN-IA moves the entire mesh network to the cleanest frequency without user intervention.
- Dual Frequency Link: Enables StreamCaster MANET radios to transmit on one frequency channel and receive on a different frequency channel – enhancing jamming resilience in distributed operations.

Advanced Threat Protection: Waveform Resilience

- MANET Protected Waveform (MAN-PW): When MAN-PW is enabled, the MN-MIMO waveform is hardened for increased resilience.

The Spectrum Dominance 2.0 expansive suite of capabilities can be downloaded onto existing Silvus StreamCaster MANET radios via simple firmware updates, extending their operational value. Certain capabilities are available exclusively to U.S. Government customers or subject to ITAR-control. Some features are non-ITAR controlled and commercially available to all Silvus customers.

Mission Critical Solutions

Spectrum Dominance 2.0 is fully interoperable across Silvus' family of StreamCaster (both the 4000 and upcoming 5000 Series) MANET radios. Available in handheld, mounted, and OEM module formats, StreamCaster MANET radios deliver optimized output power (1–80 Watts effective, thanks to TX Eigen Beamforming), up to 100 Mbps data rate, industry leading frequency agility with over 30 single/dual frequency band options (300-6000 MHz) and advanced encryption including AES-256, and FIPS 140-3 Level 2 validation – the U.S. Government's latest security requirements of cryptographic modules to protect sensitive data.

At the heart of every StreamCaster MANET radio is Silvus' battle-proven MN-MIMO waveform that creates a self-forming and adaptive mesh network – capable of connecting hundreds of nodes with unmatched range and data throughput in complex, multi-path, and non-line-of-sight environments.

To learn more about Spectrum Dominance 2.0 or request a demo, visit the Silvus Website or contact your Silvus Sales Representative. Stay connected with Silvus on LinkedIn.

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About Silvus Technologies, Inc.

As the world's leading provider of advanced MANET and MIMO communications systems, Silvus Technologies is reshaping mesh network technology for mission-critical applications – on the ground, in the air, and at sea. Its battle proven StreamCaster family of MANET radios and proprietary MN-MIMO waveform provides the vital communications link for defense, law enforcement, and public safety agencies around the world, and in the toughest operational environments. Developed by a team of top PhD scientists and design engineers, Silvus Technologies continues to innovate communications technology for the tactical edge with unmatched range, data throughput, EW resiliency, and scalability. Silvus Technologies is privately held with world headquarters located in Los Angeles, CA. Learn more at https://silvustechnologies.com

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