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Nightwing Intelligence Solutions
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FEDERAL COMMUNICATIONS COMMISSION
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Application Narrative for Proposed Equipment

Proposed Program

Nightwing Intelligence Solutions respectfully requests authority under FCC Part 5 to operate a low-power, indoor Global Positioning System (GPS) repeater system within a secure, access-controlled engineering facility. Nightwing is a U.S. national-security and intelligence-focused company providing advanced cyber operations, technical collection, mission-technology development, and systems integration services to federal agencies. Many of Nightwing's programs require precise GPS-based timing, navigation initialization, and hardware-in-the-loop testing that cannot be reliably performed outdoors due to operational security, environmental variability, and mission-specific constraints.

The indoor GPS repeater will be used to support:

- Development and integration of mission-critical avionics and navigation subsystems
- Cyber-resilient positioning, navigation, and timing (PNT) validation
- Hardware-in-the-loop and system-in-the-loop testing for intelligence and defense platforms
- Secure, repeatable test environments for technical collection and specialized mission systems
- Pre-deployment functional checks for equipment that relies on GPS timing or initialization