

GHOSTCORE STEALTH TECHNOLOGY DOCUMENTATION

WraithSkin (TM) Electromagnetic Cloaking & Containment Suite

Overview:

The WraithSkin system is an electromagnetic cloaking, absorption, and signature redirection platform. Designed to obscure visual, thermal, radar, and radiative emissions, WraithSkin forms a strategic stealth envelope around the GhostCore platform during both propulsion and weapons deployment cycles.

Core Features:

- EM Field Bending: Dynamically refracts external scan signals using localized frequency warping.
- Thermal Obfuscation: Suppresses reactor heat blooms using active temperature balancing and radiation scattering.
- Light Containment: Bends visible spectrums across angular dispersion fields for near-optical invisibility.
- Signature Dissonance: Introduces false-positive echoes to mimic environmental background or fabricate non-threatening profiles.

Modes:

- Passive Cloak: Reduces detectable emissions to 12% of baseline output.
- Active Obscuration: Engages interference field to disrupt radar lock-ons and photon tracking.
- Reflection Shell: Reverse-bounces incoming energy signatures (EM/radiative) back to source.
- Ghost Maneuver: Combines WraithSkin with Lazarus Drive spin suppression to vanish mid-maneuver.

Integration:

WraithSkin draws auxiliary power from the TPV harvesting loop. During stealth phases, power output is automatically rerouted to maintain containment envelope stability. When not in use, WraithSkin acts as a passive radiator and backup shielding layer.

Threat Detection Response:

On detecting high-energy scans, WraithSkin activates spectral spike buffers and auto-recalibrates refractive geometry.

Optional countermeasures include:

- EM spike burst (blinds enemy radar)
- Doppler smear field (confuses directional sensors)

- Ghost Mirage (broadcasts fake positional signatures)

Use Case:

Designed for blackfile spacecraft, deep recon drones, and advanced strike craft operating behind denial lines or in electromagnetic warfare environments.

Security Clearance: CLASSIFIED - GHOSTCORE EYES ONLY