AeroShield™
Low Drag Radome System for Fuselage Mount Connectivity Systems

**Cost Savings**
- Highly optimized aerodynamic shape reduces drag and increases fuel savings.
- Bird Strike compliance with FAA & EASA for Large Radome Installations reduces certification time and cost.
- ARINC 791 style installation eliminates costly over-engineered installations.
- Simplifies maintenance inspections and reduces life cycle costs.
- Advanced adapter plate design minimizes system weight.

**ARINC 791 Standard**
- Creates a simplified & standardized installation.
- Provides future-proofing of SATCOM installations, simplifying future SATCOM upgrades when available.
- Provides for commonality & interchangeability across entire fleets.
- Provides for easy de-modification during end-of-lease restoration.

**Key Features**
- RF performance is optimized for Ku-band, providing maximum RF transmissivity.
- Applicable to Ku-band broadband data and DBS-TV SATCOM connectivity systems.
- Aerodynamic radome and adapter plate follows the curvature of the aircraft skin without requiring large installation doublers, sealants, or fasteners through the aircraft skin.
- Installation fittings attach to variable aircraft frame spacings for maximum installation flexibility.
- Fully qualified to FAA & EASA environmental requirements including bird-strike, thermal loading, explosive decompression and lightening.

**KEY BENEFITS**
- Retrofittable to replace current high drag radomes in use today.
- Compliant with existing FAA & EASA bird strike certification requirements.
- Reduces drag, providing fuel burn savings.
- Simplifies complexity of connectivity antenna mounting and maintenance.
- OEM quality aircraft radome..
LRUs
The AeroShield Radome kit is composed of 2 aircraft components:
1. Adapter Plate plus fittings.
2. Radome.

Applicable Aircraft
• Designed specifically for any Air Transport Category aircraft that utilizes fuselage mounted SATCOM connectivity antennas.
• Applicable aircraft types include:
  - Airbus ACJ, A319, 320, 321
  - Airbus A330, 340, 380
  - Boeing BBJ, 737
  - Boeing 747, 767, 777
  - Embraer -195/190/175/170
  - Bombardier C-Series
  - Irkut MC-21
  - Sukhoi Superjet
  - Mitsubishi MRJ
  - COMAC C-919
  - Others

Get Started Today
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Certification
• Complies with applicable FAA FAR Part 25/26 & EASA CS-25 regulations.
• Complies with 14 CFR paragraph 25.571(e)(1) & CS 25.571 bird-strike testing requirements.
• Complies with lightning strike and grounding guidelines stated in SAE ARP5412, ARP5414, ARP5416, and ARP1870.
• Designed-in robustness for aircraft environmental stresses, such as shock, thermal, vibration, and g-loads.

Exportability
• Easily exportable under commercial commodity item ECCN 7A994.

Availability
• Available today for use in your connectivity STC programs!

AEROSHIELD SPECIFICATIONS

Typical Performance
Weight:
• Radome:
  <56lbs (<25.4Kg).
• Adapter Plate:
  <30lbs (<13.6Kg).

Dimensions:
• Radome:
  15.4”H x 96.1”L x 40.6”W
  39.1cm x 244.1cm x 103.1cm
• Adapter Plate:
  3.2”H x 86.2”L x 39.4”W
  8.1cm x 218.9cm x 100.1cm