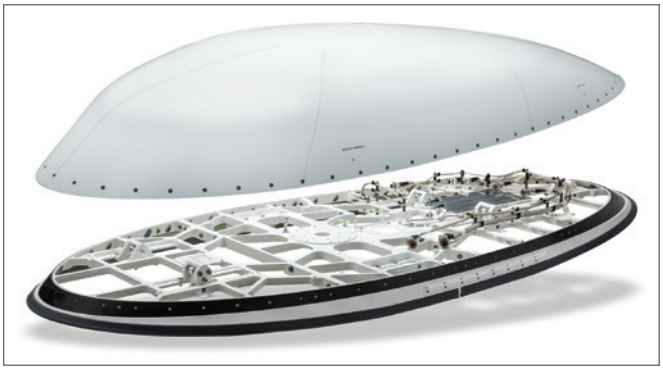
FlightGear™ ARINC 791 Ka, Ku, Ka/Ku Universal Installation

THE FUTURE OF CONNECTIVITY



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Amphenol CIT, in partnership with Saint Gobain Performance Plastics, offers multiple ARINC 791 solutions for Ka-band, Ku-band and Ka/Ku SATCOM installations. Our ARINC 791 adapter plate solution fulfills the need for standardized installation, easier maintenance inspections, and overall lower cost of ownership. Installation packages are available for a wide range of aircraft. Details of available certifications, in process engineering, and customizations are always expanding and can be furnished upon request.

Our solution conforms to the ARINC 791 standard, which future-proofs your SATCOM installation and makes upgrades to next generation SATCOM antennas and system equipment easier and faster, with commonality across entire fleets. Designed to support a wide range of SATCOM systems, ARINC 791 is preferred by aircraft manufacturers for line fit installations.

Improve your speed-to-market with Amphenol CIT's complete ARINC 791 package, which includes the adapter plate, provisions for Outside Airframe Equipment (OAE) and intercostal kits required for both retrofit and line fit installations on transport jet aircraft. Improve your complete SATCOM system solution by selecting Amphenol CIT's FlightGear™ ARINC 791 Ka, Ku, Ka/Ku Universal Installation.

FEATURES	BENEFITS
Available in Ka, Ku, and Ka/Ku	• Reduces radome development time to market and drives lower cost solution
Adapter plate may be customized to match existing radome configurations	• Existing SATCOM antenna-radome designs can be accommodated, saving both time and money
ARINC 791 SATCOM System Installation compliant	• Adaptable to current and future antenna technology upgrades • Now available in over six configurations • Ability to update antenna technology in the correct frequency band for faster project execution
Lift/Drag Ratio A320: 32.5, 777-300ER: 2.5	• Lightweight and compact in size and curvature decreases drag impact for airline fleets, increasing flight time
Retrofit and line offerable	• Enables full-fleet installation with common part numbers, maintenance procedures, and spares fulfillment
Aerodynamic skirt	• Follows fuselage curvature without requiring a large installation doubler, sealants, or additional fasteners through the aircraft skin • Airbus line fit and retrofit offerable – A320, A330, A340, A350, A380 • Boeing retrofit offerable – 737, 747, 777

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INSTALLATION KITS

Installation kits include the following standard parts:

- Ka-band, Ku-band, or Ka/Ku radome
- Universal adapter plate
- Aerodynamic skirt to match fuselage radius
- External fittings for adapter plate mounting
- Internal intercostal structures for adapter plate mounting
- Integrated antenna foundation based on customer's antenna selection

KIT WEIGHTS

ARINC 791 Installation Components	A320*	
	lbs	kg
A791 Adapter Plate	72.0	32.7
Antenna Foundation	7.0	3.2
Adapter Plate Harness, Coax and Wave Guide	6.0	2.7
Aircraft Exterior Fittings	6.9	3.1
KRFU Heat Sink	1.8	0.8
Radome	55.0	24.9
Skirt Seal	20.0	9.7
Radome Kit (Fasteners)	3.0	1.4
Intercostal Structure and Doublers	18.0	8.2
MODMAN Tray, APM Mounting, KANDU Mounting	6.3	2.9
Interior Harness, Circuit Breakers, and Routing Parts	25.6	11.6
Cockpit Control Panel	2.7	1.3

*Please consult for additional model details

TURNKEY PACKAGES

Amphenol CIT can also provide turnkey packages, including:

- Fuselage penetrations for cables or wave guides
- Harnesses and RF cables for SATCOM system installation
- Interior installation structures including racks and avionics trays
- System integration design
- Certification via FAA, EASA, or regional authority
- Recurring shipment approvals on FAA Form 8130-3 or EASA Form 1
- Direct mounting options

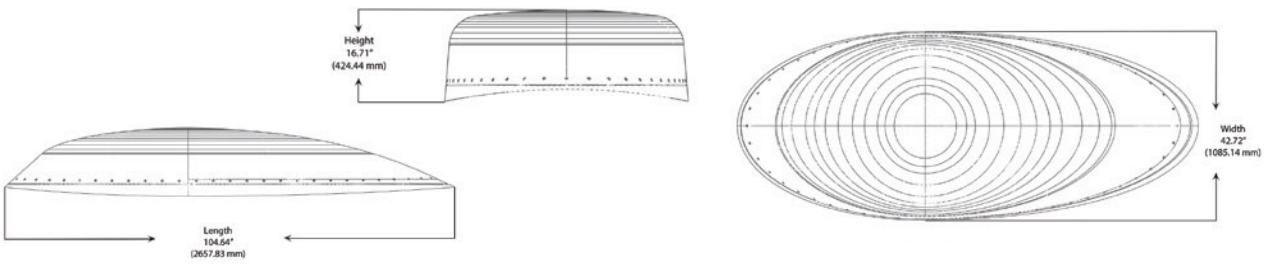
TECHNICAL DATA

- 3D models
- Outline and interface drawings
- Decompression analysis
- Bird strike test report
- Lightning test report
- Installation engineering support for customers
- Detailed structural substantiation
- Detailed aerodynamic analysis and report
- Detailed kit list
- Structural repair manual supplement

SUGGESTED APPLICATIONS

- ARINC 791 compliant installations
- Ka-band, Ku-band, or Ka/Ku SATCOM system installations
- Airline fleet, VIP, or Special Missions applications

OUTLINE DRAWING



Amphenol CIT
Cable & Interconnect Technologies

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Amphenol-CIT.com

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