



## Redefining global connectivity technology.

The demand for passenger connectivity and connected flight deck aviation applications has never been greater – and will only continue to increase. To stay ahead of this trend, service providers must be able to deliver increased data rates and higher bandwidth. Passenger expectations for high-speed connectivity are driving change in the industry and motivating satellite network providers to deliver faster data rates through existing networks and spectrum.

Rapid growth in existing satellite services, coupled with new activities to launch higher bandwidth satellites with massive spectrum, has created new opportunities for airlines. But there's a gap in the market: Current antenna technology is large, heavy and has significant power requirements, increasing the cost of operations for airlines that want to take advantage of these advanced networks.

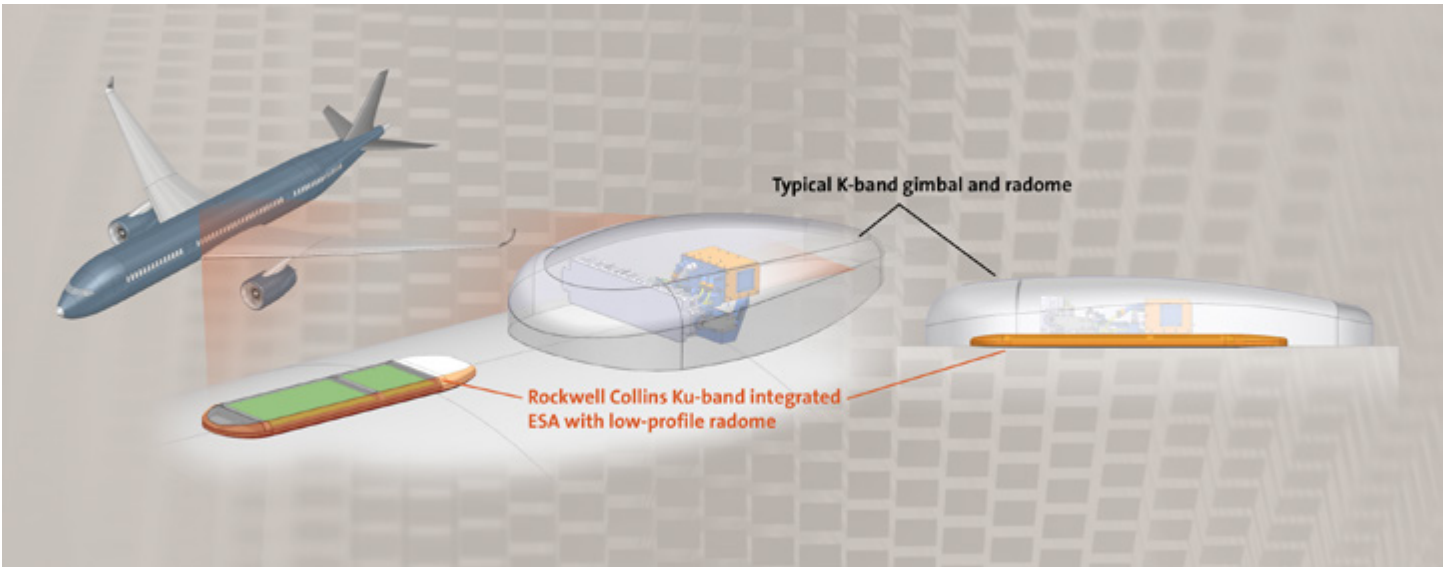
To address these challenges, Rockwell Collins has developed a new and highly efficient antenna design to meet commercial aviation needs. Our Electronically Steered Array (ESA) antenna technology, originally designed to handle rigorous military requirements, brings a new level of performance, availability and lower cost of ownership previously unavailable in SATCOM antennas.

The Rockwell Collins ESA antenna links new satellite network capabilities and delivers passengers and crew members the connectivity they need to enjoy a new level of service quality, while also providing increased efficiencies for airlines. It's a win-win situation.

Let Rockwell Collins show you how to realize the benefits of ESA SATCOM antenna technology. The future of global connectivity starts here.

### KEY BENEFITS

- > Smaller, lighter, lower profile and faster data throughput
- > No moving parts for increased reliability
- > Access data and TV using one antenna
- > Lower installation cost
- > Extremely long technology life
- > Multi-satellite constellation and network compatibility



**PERFORMANCE**

- > Significant reduction in system size and weight
- > Integrated radome reduces drag and fuel costs
- > Electronic beam steering – high reliability
- > Global coverage and low latency
- > Multi-beam capability
- > 2 GHz of Ku bandwidth

**SPECIFICATIONS**

	Typical	Rockwell Collins ESA
Power	450 W	450 W
Weight	300 lb.	75 lb.
Drag	80 lb.	10 lb.
Height	15 in.	2 in.
Length	96 in.	60 in.
Width	40 in.	27 in.

*Specifications to change without notice.*

**Building trust every day.**

Rockwell Collins delivers innovative aviation and high-integrity solutions that transform commercial and government customers’ futures worldwide. Backed by a global network of service and support, we are deeply committed to putting our solutions to work for you, whenever and wherever you need us. In this way, working together, we build trust. Every day.

**For more information, contact:**

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