



AERO LESA

AeroLESA represents Get SAT's next-generation Electronically Steered Antenna (ESA) technology. Tailored for in-flight connectivity and entertainment, AeroLESA showcases an evolutionary step in aircraft satellite communication. Designed with a low-profile and fully electronically steerable antenna (ESA), AeroLESA is crafted to fit seamlessly onto a wide range of airborne platforms, including wide-body aircraft, executive aviation, and Transport aircraft.

It provides simultaneous connections with both Geostationary Orbit (GEO) and Low Earth Orbit (LEO) satellite constellations, operating in the Ku-frequency band. This comprehensive array of features ensures true global coverage, realized through its unparalleled multi-orbit performance. AeroLESA stands as a top-notch innovation in the in-flight connectivity industry, offering a connectivity solution that is both versatile and reliable. Flights equipped with AeroLESA promise a connectivity experience that is smooth, uninterrupted, and truly global.

RF Performance

Tx Frequency	13.75-14.5 GHz
Rx Frequency	10.7-12.75 GHz
Polarization	Tx/Rx V/H/RHCP/LHCP,switchable, independently Selectable independent for Rx, Tx As well as for 2nd-Rx and 2nd-Tx
Max EIRP	55.5 dBW
Max G/T	16.7 dB / K

System

Azimuth	Continues coverage over full 360°
Elevation	10° to 90° Electronically steerable antenna
Control Technique	Combined IMU / RSSI / GPS (Optional)
Velocity Azimuth	>500° / Sec. Elevation >500° / Sec
Initial Acquisition Time	<30 sec
Switching time	<400us
Management	Ethernet
Power Input	28V - Depend on configuration
Total power consumption	<1300W
Total weight	<75 Kg (165.3 lb.)
System Size	Tx 68 CM x 47 CM (25.2 x 18.5") Rx 58.5 CM x 90 CM (23 x 35.4")



Key features



Multi orbit constellations

A simple and intuitive solution that provides multi-orbit SATCOM services, with the ability to blend and transfer network traffic seamlessly between high-capacity LEO (in KU only), MEO (in Ka only), and GEO satellite constellations



All-In-One Solution

Extremely short transition time. The significance of fiber-like connectivity is a major step forward for high-data-rate applications requiring communications mobility.



No moving parts

Supports Global coverage networks, like Inmarsat Global Xpress, SES and Intelsat, for seamless satellite coverage anywhere, anytime.



short transition time

The easy installation and integration of the terminals, allows operators to complete the process without the need for time-consuming and costly visits of technicians.



Easy set-up and operation

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In-flight connectivity

Supported by MCCOMM

The terminal leverages multi-orbit, multi-constellation architectures, allowing for instantaneous switching between GEO and LEO orbits while in flight. This means passengers can enjoy a stable connection, whether they are surfing the web, streaming videos, or catching up on work, promising a flight experience that is as productive and entertaining as it is convenient.

In a collaborative endeavor, AeroLESA has been integrated into Safran Passenger Innovations (SPI)'s RAVE AeroConnect Ku solution. This solution means the terminal is available for both linefit and retrofit on all major aircraft platforms, most notably as part of Airbus' Airspace HBCplus.