

LES SAF

LOW-PROFILE/DRAG ELECTRONICALLY STEERABLE ANTENNAS FOR IN-FLIGHT CONNECTIVITY



CelestiaUK

OBJECTIVE

Propose low-profile and highly efficient electronically steerable antenna solutions for the next generation of In-Flight Connectivity services in the horizon 2030 via satellite communications in LEO/MEO/GEO scenarios

KEY CHARACTERISTICS

- Electronically Steered Antenna, K/Ka Band
- Low Profile, High Efficiency, High Reliability
- Separated TX/RX Apertures
- Reconfigurable, Scalable
- Multi-beam Capability
- Seamless Handovers
- ARINC-792 2018, FCC 25.218



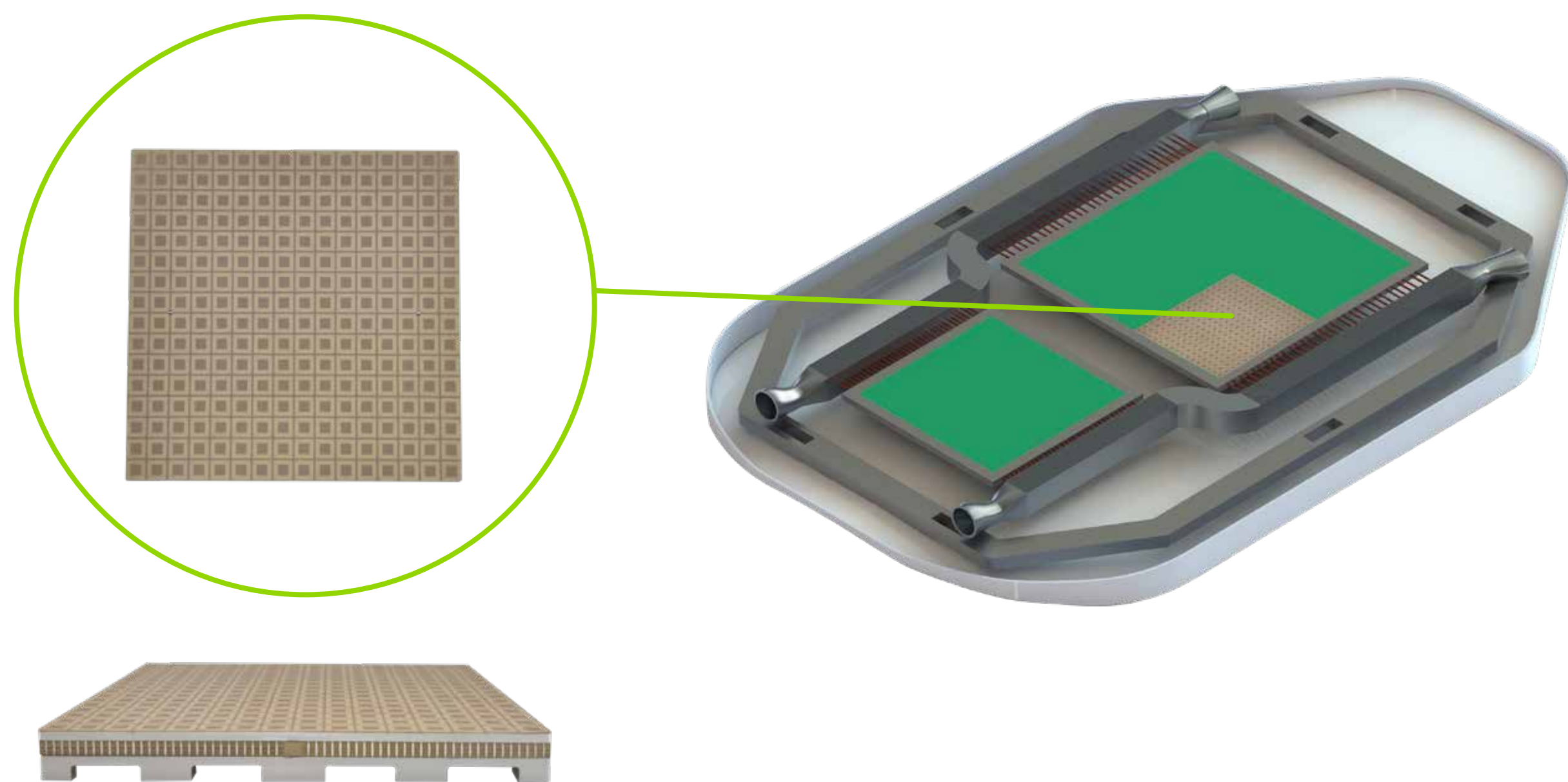
TECHNICAL APPROACH

RADIATING APERTURE

Ultra-thin Tile Structure
16x16 RE

ACTIVE ARRAY ANTENNA

In-Flight Terminal (Infographic)



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