

MODULAR, SCALABLE AESAs

IERUS TECHNOLOGIES INC.



GLOBAL PHASED ARRAY OPTION

- Driven by commercial 5G & LEO SATCOM markets
- Enabled by the evolution of SiGe, RF SOIC, and RF GaN wafer fabrication technologies and the proliferation of chipsets at commercial scales
- Results in high data rate / low SWAP-C array designs, proliferations of phased array technology and democratization through technology transition.

OUR SOLUTION

- Frequency agnostic, supporting implementations from X through V-Bands
- Low SWAP-C by leveraging commercial devices and fabrication processes
- Tailorable to specific mission needs through an optimized RF backend

OUR INNOVATION

- Creating a scalable architecture that can support communication, radar, and sensing missions.
- Enabling faster transitions from problem to deployed solution.
- Ensuring deployed solutions can be supported and updated to ensure overmatch is maintained

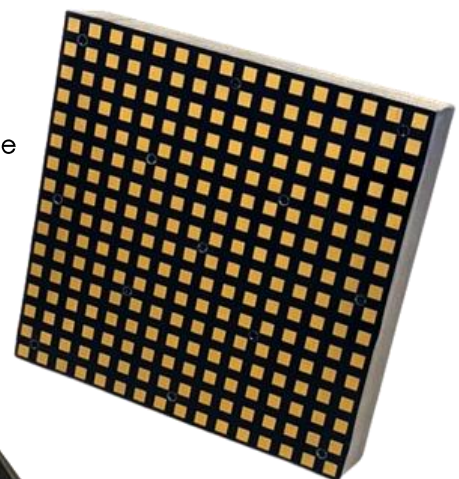
FEATURES

- Low SWAP-C
- Scalable, Modular Design
- Reduces Sustainment Costs
- Tailorable Design to Application
- High EIRP
- Large Angular Coverage
- Multi-Beam Support

BANDS CURRENTLY SUPPORTED

- 8.5-10.55 GHz
- 8-16 GHz
- 17-22 GHz
- 24.25-27.5 GHz
- 26.5-29.5 GHz
- 25-31 GHz
- 37.1-40 GHz

Ku-Band
Phased
Array Tile



Ground Terminal

