



Electronic steering antenna architecture innovation & 6G connectivity convergence

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Connect the Future

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A New Approach to Build Extremely Large Array Antennas (ELAAs)

The Answer to form a large array in flexible configurations for TN, NTN and Radar

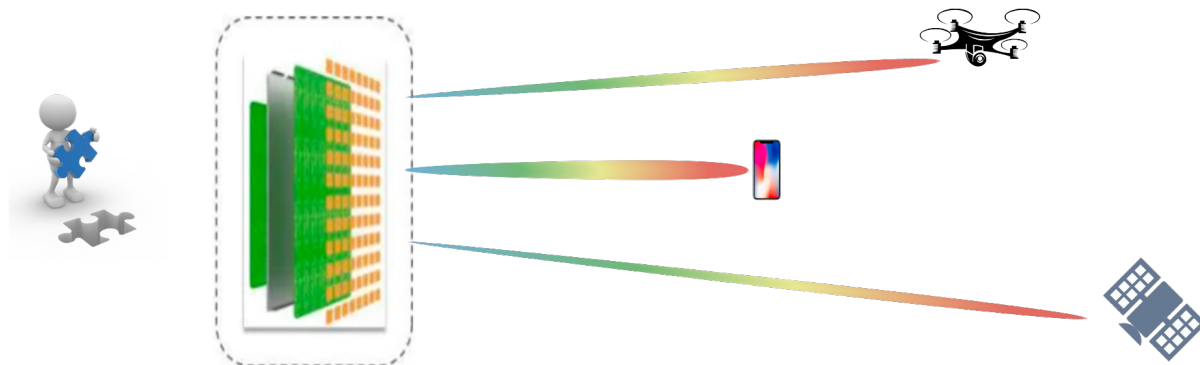
Optimized Antenna in Package Lego Pieces

A pre-built unit antenna cell with optimized antenna design along with beamforming IC.

- Antenna in cell package
- BFIC for gain and phase control

Benefit to customers

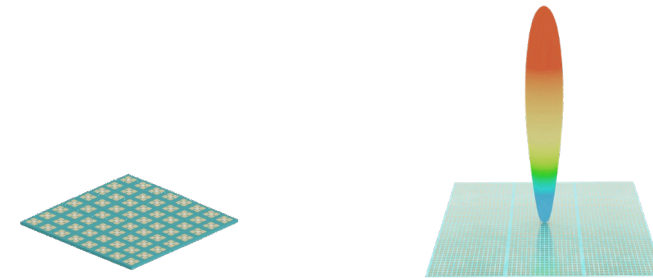
- Lower Cost - Higher Yield
- Fast Development Cycle
- Extreme Performance



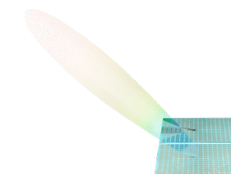
One Architecture Suits 6G Communication & Sensing

Tile-Up Structure fulfill Various Kinds of Use Case

- Multi-Orbit, MIMO & Radar



Dual-Beam Design for Seamless Handover



Seamless 5G Deployment and Coverage Solution

The End-to-End 5G FR2 Platform from Prototyping to Commercialization

OAI UE

OAI gNB

TMYTEK XRifle Reflector

mmWave-OAI

- Utilize 5G Open Stack for gNB & UE
- Enabling the FR2 Frequency Band
- Featured the Beam Management

Passive Reflector

- Ultra-Low-Cost for improving the Coverage
- Eliminate the DEAD Zone
- Create the COLD Zone

