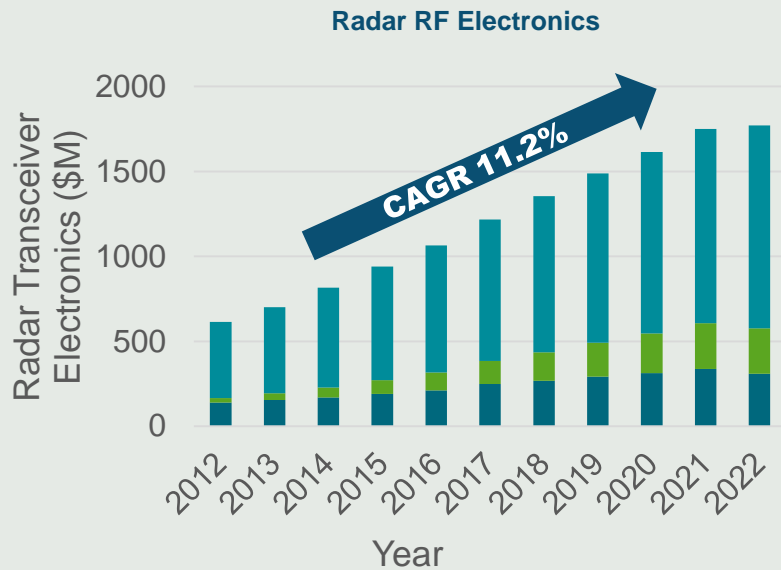




ACTIVE ANTENNAS

Active Antennas for Radar and Communications Drives MACOM Growth

Radar



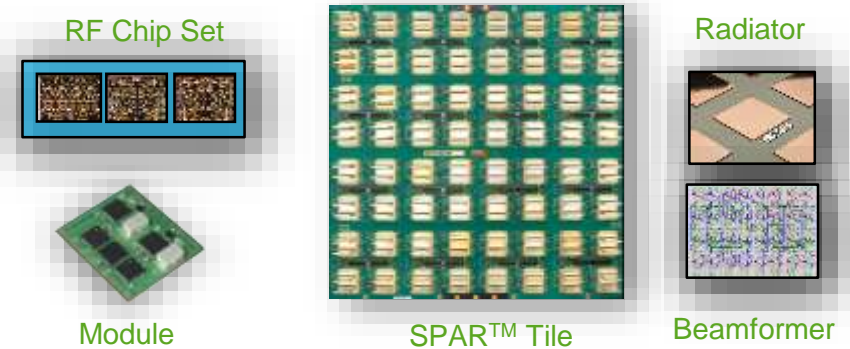
Source: Strategy Analytics

Well positioned to take advantage of the shift from Mechanically Scanned Arrays to Active Antenna Arrays.

APPLICATIONS



PRODUCTS & TECHNOLOGY



TARGET CUSTOMERS



MACOM Innovation Drives Active Antennas in Civil and Military Radar Applications

Terminal Area Aircraft



ASR-8



ASR-9



ASR-11

Long Range Aircraft



ARSR-1/2



ARSR-3



ARSR-4

Long Range Terminal Area Weather



NEXRAD



TDWR

Successful Field Tests in Oklahoma



MACOM has demonstrated the commercial and functional viability that can support large scale civil and military deployments in the field

MACOM Innovation Drives Active Antennas in Defense Radar Applications

Air Traffic Control



Shipborne



Airborne



Ground Based

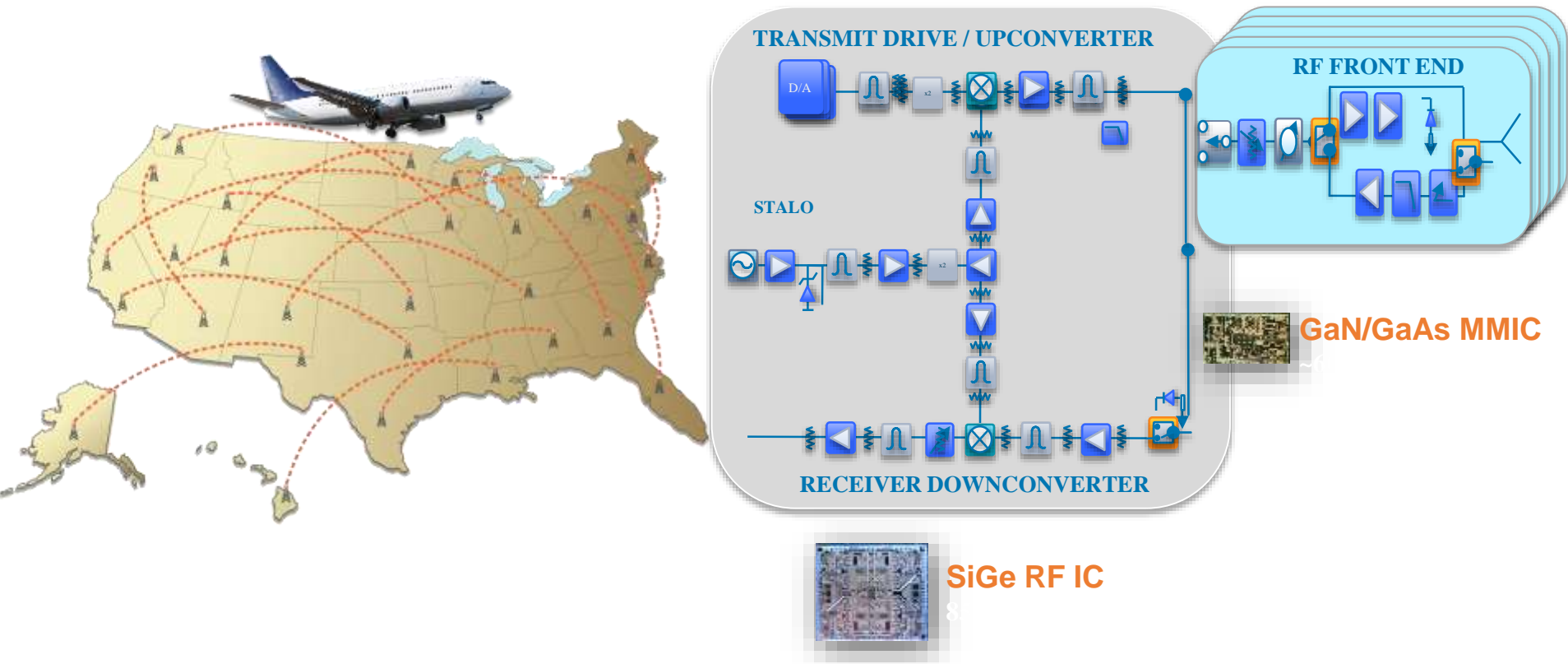


**1,000 – 10,000X
More RF Content**



Expected order of magnitude increase in RF content due to the transition from Mechanically Scanned Arrays to Active Electronically Scanned Arrays

MACOM Innovation Drives Active Antennas in Communications Applications



MACOM's broad array of process technologies and proven track record in phased array radar will enable next generation microwave and millimeterwave wireless solutions.