



mmW solutions. Enabling a new world

# Unleash the mmWave

with the world's most advanced portfolio of Active Antenna ICs for 5G, RADAR, and SATCOM

Welcome to a new world by



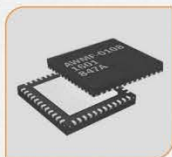
mmW Si  
Core ICs

Active Antenna  
ASICs

mmW  
Front End ICs

## ANOKIWAVE

mmW Solutions. Enabling a new world



Pioneering the mmW revolution, we are a fabless semiconductor company providing highly integrated silicon mmW core ICs, Active Antenna ASICs, and mmW front end ICs for 5G, RADAR, and SATCOM markets.

Our team is dedicated to providing the world's best integrated circuit solutions for next generation mmW applications. Anokiwave is adaptable, persistent, and dedicated to superior quality - customer satisfaction is our number one priority.

The Anokiwave Advantage:

- Our proven IP blocks used in our silicon Active Antenna Core ICs, mmW Core ICs, and system in package solutions are years ahead of the market.
- We enable our customers to be first to market with expert systems engineering and optimal technology solutions.
- Our uniquely positioned product portfolio includes commercial Active Antenna Core ICs covering X-band through Ka-band as well as custom ICs covering L-band through W-band.

Anokiwave was founded in 1999 and has design centers in San Diego, CA, Boston, MA, and Phoenix, AZ.

## PRODUCTS

Experts in highly integrated mmW solutions

Anokiwave, an ISO 9001:2008 certified company, offers a uniquely positioned product portfolio for 5G, RADAR, and SATCOM markets with expert systems level understanding and optimal technology selection.

Our goal is to leverage our outstanding design capabilities to achieve the smallest, lowest cost, and best performing ICs.



### 5G Active Antenna Si ICs

Our portfolio includes the only commercially available Ka-band 5G silicon quad core ICs enabling low cost hybrid beamforming for multi-antenna arrays with high energy efficiency and Low Latency Beam Steering™.



### RADAR Active Antenna Si ICs

The X-band Silicon RADAR Quad Core IC family covers both Rx high linearity or Rx low noise requirements and are available in both single beam Rx/single beam Tx and dual beam Rx/single beam Tx configurations.



### SATCOM Active Antenna Si ICs

The SATCOM Quad Core IC family provides a complete K/Ka-band earth terminal solution enabling auto alignment of fixed earth terminals and auto pointing for SATCOM on the move applications.



### mmW Front End ICs

The X-band front end IC is an integrated PA, LNA, limiter and T/R switch with 3W Pout and 3.3 dB NF. The Ka-band HPA delivers 3W at 28-30 GHz.

|| Since 1999, Anokiwave has been designing highly integrated circuits for a variety of challenging applications. Call us today to discuss your application.

## ANOKIWAVE AT A GLANCE

Founded in 1999 - Celebrating 18 years as a Fabless Semiconductor Company

Uniquely Focused (X-W Band IC Solutions):

- mmW Si Core ICs
- Active Antenna ASICs
- mmW Front End ICs

New Product Introductions:

- 26-GHz, 28-GHz, and 39-GHz Active Antenna ICs for mmW 5G networks - now covering all 5G mmW Bands
- 28-GHz 5G Phased Array Active Antenna Innovator's Kits for 5G networks
- Active Antenna Si Core IC Family for 5G, RADAR, and SATCOM
- X-band Medium Power RADAR GaAs Front End

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## LATEST PRODUCTS

Market	Product Family	Part Number	Description
5G Communications Antenna Arrays	Ka-Band Silicon IC Solutions	AWMF-0135 AWMF-0108 AWMF-0123 AWMF-0125	26 GHz Quad Core IC 28 GHz Quad Core IC 39 GHz Quad Core IC 39 GHz Quad Core IC
	Ka-Band Active Antennas	AWMF-0129 AWA-0134	28 GHz 64 Element Innovator Kit 28 GHz 256 Element Innovator Kit
mmW Communications and Sensing Applications	Ku- and Ka-Band Si Core ICs	AWMF-0117 AWMF-0116	Ku-Band Multi-Function Core IC Ka-Band Multi-Function Core IC
RADAR and Communications Active Antennas	X-Band Silicon Core IC Solutions	AWS-0101 AWS-0103 AWS-0104 AWS-0105	Dual Beam Low NF Quad Core IC Dual Beam High IIP3 Quad Core IC Single Beam Low NF Quad Core IC Single Beam High IIP3 Quad Core IC
RADAR and Communications Active Antennas	X-Band Front End ASIC Solutions	AWMF-0106	Medium Power Front End ASIC
SATCOM Active Antennas	K and Ka-Band Silicon Core IC Solutions	AWS-0102 AWMF-0109 AWMF-0112 AWMF-0113	4-element Rx Quad Core IC (K-Band) 4-element Tx Quad Core IC (Ka-Band) 8-element Rx Octal Core IC (K-Band) 8-element Tx Octal Core IC (Ka-Band)
SATCOM, AESA, Point-to-Point Communications	Ka-Band III/V Front End Solutions	AWP1102	3W High Power Amplifier
Point-to-Point Radio Communications	E-Band III/V Front End Solutions	AWP-7176 AWP-8186 AWL-7186	High Power Amplifier MMIC/71-86 GHz High Power Amplifier MMIC/81-86 GHz Low Noise Amplifier MMIC/71-86 GHz



5G Antenna Array formation using AWMF-0108 and AWA-0134

