



AHEAD OF WHAT'S POSSIBLE™

The ADI UNCOVERED logo, consisting of a white square with a right-pointing triangle inside, followed by the text "ADI UNCOVERED" in a bold, white, sans-serif font.

# ADI UNCOVERED

## 5G COMMUNICATIONS

**Dr. Greg Henderson**

SVP, Automotive, Communications, Aerospace & Defense

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# Forward-looking Statements

This presentation contains forward-looking statements, which address a variety of subjects including, for example, our statements regarding expected financial results, expected product development and technical advances, anticipated market trends and opportunities, market share gains and expected customer demand and order rates for our products, and ADI's financial goals and long-term financial model. Statements that are not historical facts, including statements about our beliefs, plans and expectations, are forward-looking statements. Such statements are based on our current expectations and are subject to a number of factors and uncertainties, which could cause actual results to differ materially from those described in the forward-looking statements. The following important factors and uncertainties, among others, could cause actual results to differ materially from those described in these forward-looking statements: the uncertainty as to the extent of the duration, scope and impacts of the COVID-19 pandemic, political and economic uncertainty, including any faltering in global economic conditions or the stability of credit and financial markets, erosion of consumer confidence and declines in customer spending, unavailability of raw materials, services, supplies or manufacturing capacity, changes in geographic, product or customer mix; changes in export classifications, import and export regulations or duties and tariffs; changes in our estimates of our expected tax rate based on current tax law; our ability to successfully integrate acquired businesses and technologies; the risk that expected benefits, synergies and growth prospects of acquisitions may not be fully achieved in a timely manner, or at all; adverse results in litigation matters; and the risk that we will be unable to retain and hire key personnel. For additional information about factors that could cause actual results to differ materially from those described in the forward-looking statements, please refer to our filings with the Securities and Exchange Commission ("SEC"), including the risk factors contained in our most recent Quarterly Report on Form 10-Q and Annual Report on Form 10-K. Forward-looking statements represent management's current expectations and are inherently uncertain. Except as required by law, we do not undertake any obligation to update forward-looking statements made by us to reflect subsequent events or circumstances.

### Business Overview



Market share leader in radio signal chains for wireless infrastructure & optical control for carrier networks & data centers



Unique strength in RF/radio signal chains, microwave, mmWave & power delivers innovative radio solutions with best-in-class performance, power, size & cost



Software-defined transceiver architecture has enabled 5G & become the market standard

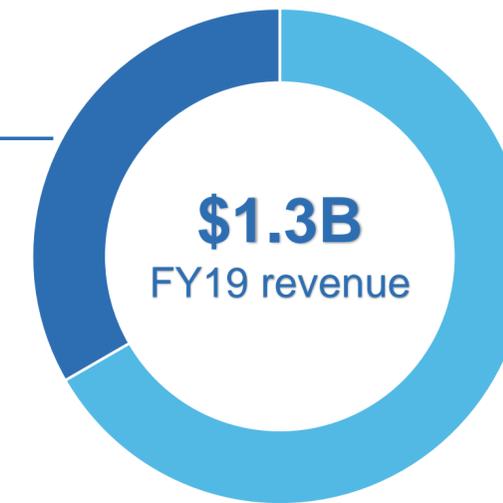


Diversified customer base across regions & applications

### Revenue Profile

#### Wireline

Telecom  
Networking  
Data center  
Cable



#### Wireless

Macro base station  
Small cell  
Point-to-point  
Satellite

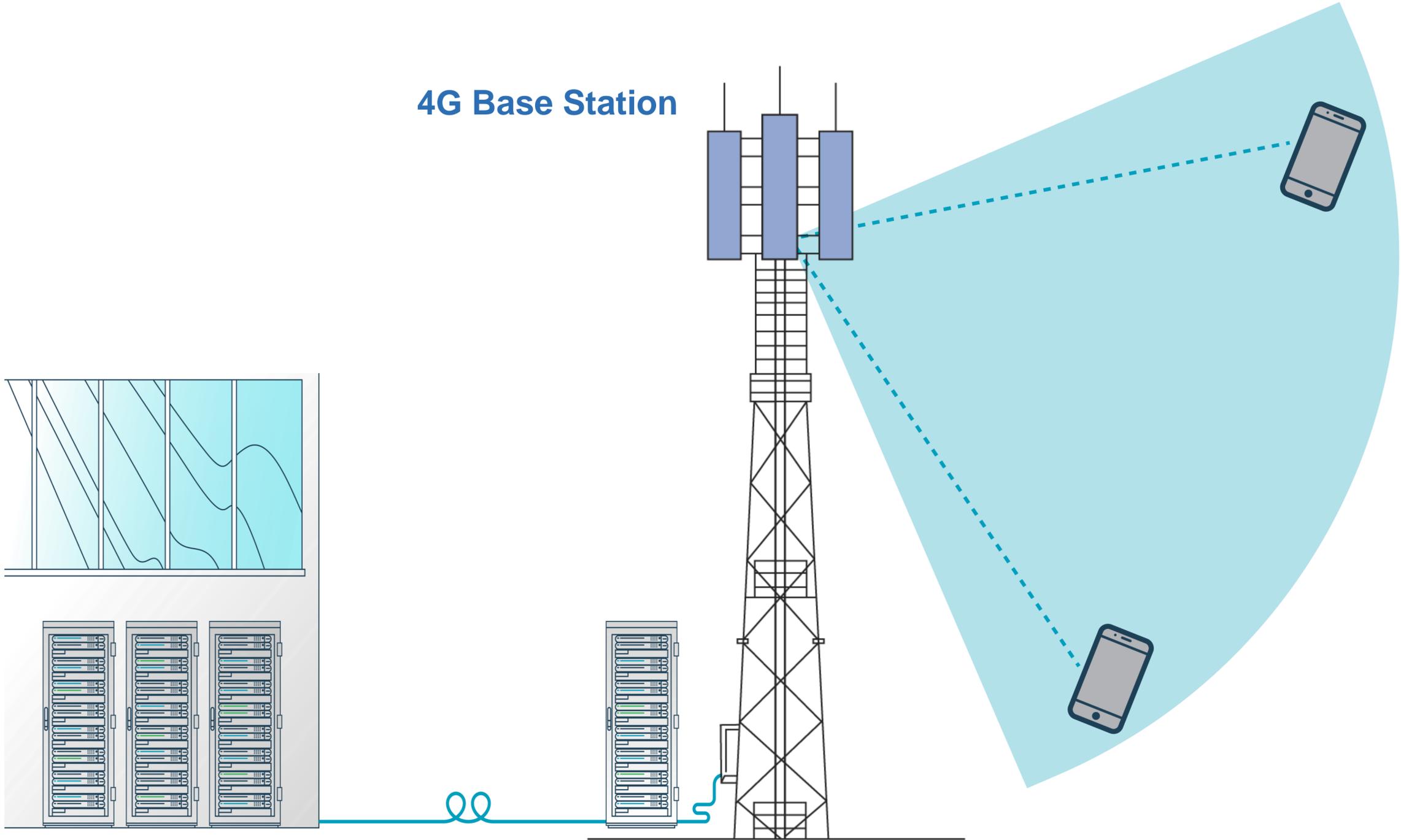
### Growth Drivers

- ▶ Insatiable demand for broadband connectivity, including recent pivots to work-from-anywhere
- ▶ Global rollout of 5G networks & densification of wireless networks
- ▶ Upgrade to 400G across carrier networks & data centers
- ▶ Power revenue synergies for new applications & at new customers

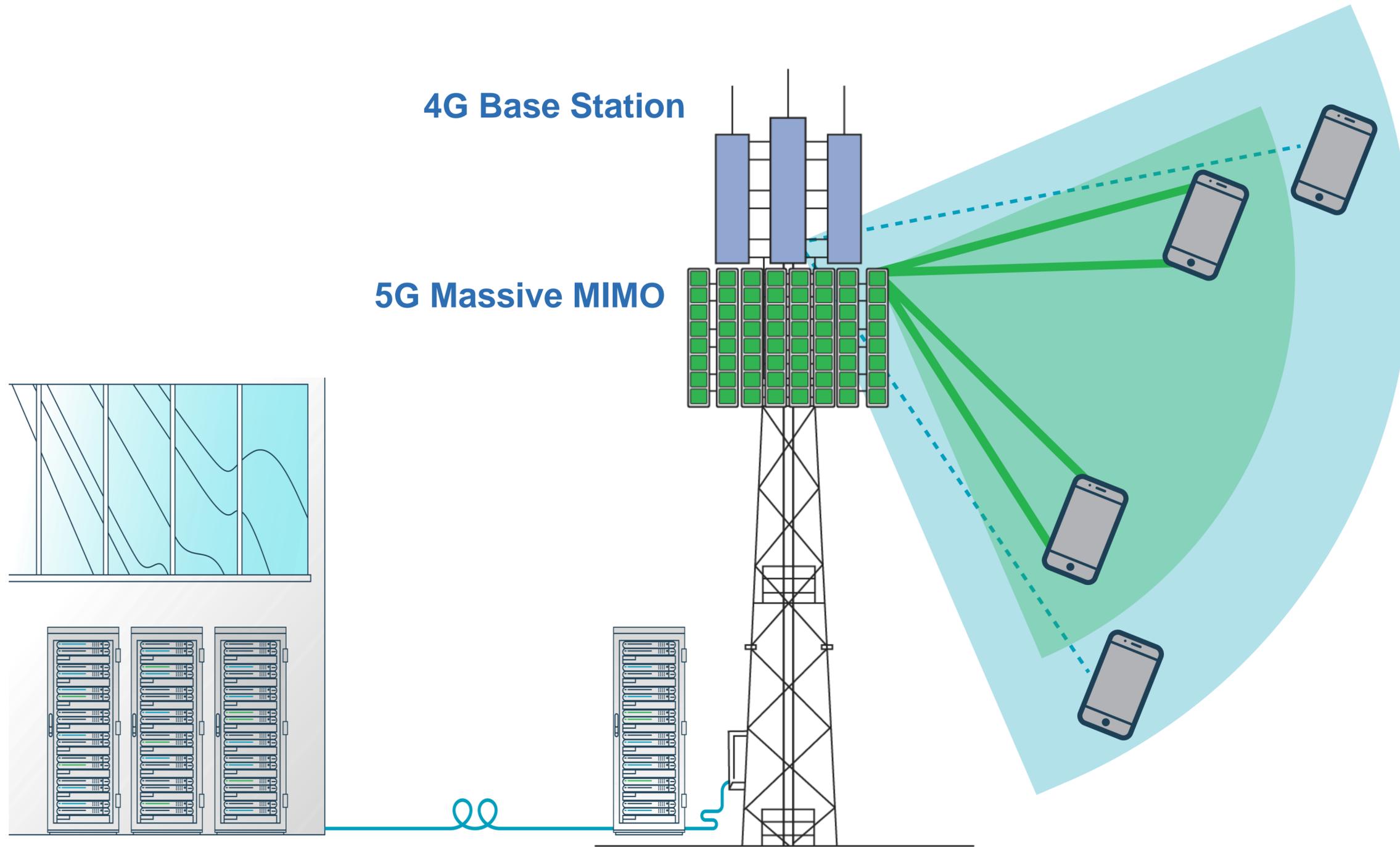
# 4G to 5G: More Radios, More Complexity, More Opportunity



4G Base Station



# 4G to 5G: More Radios, More Complexity, More Opportunity



## 4G to 5G

Up to 5x more spectral efficiency...

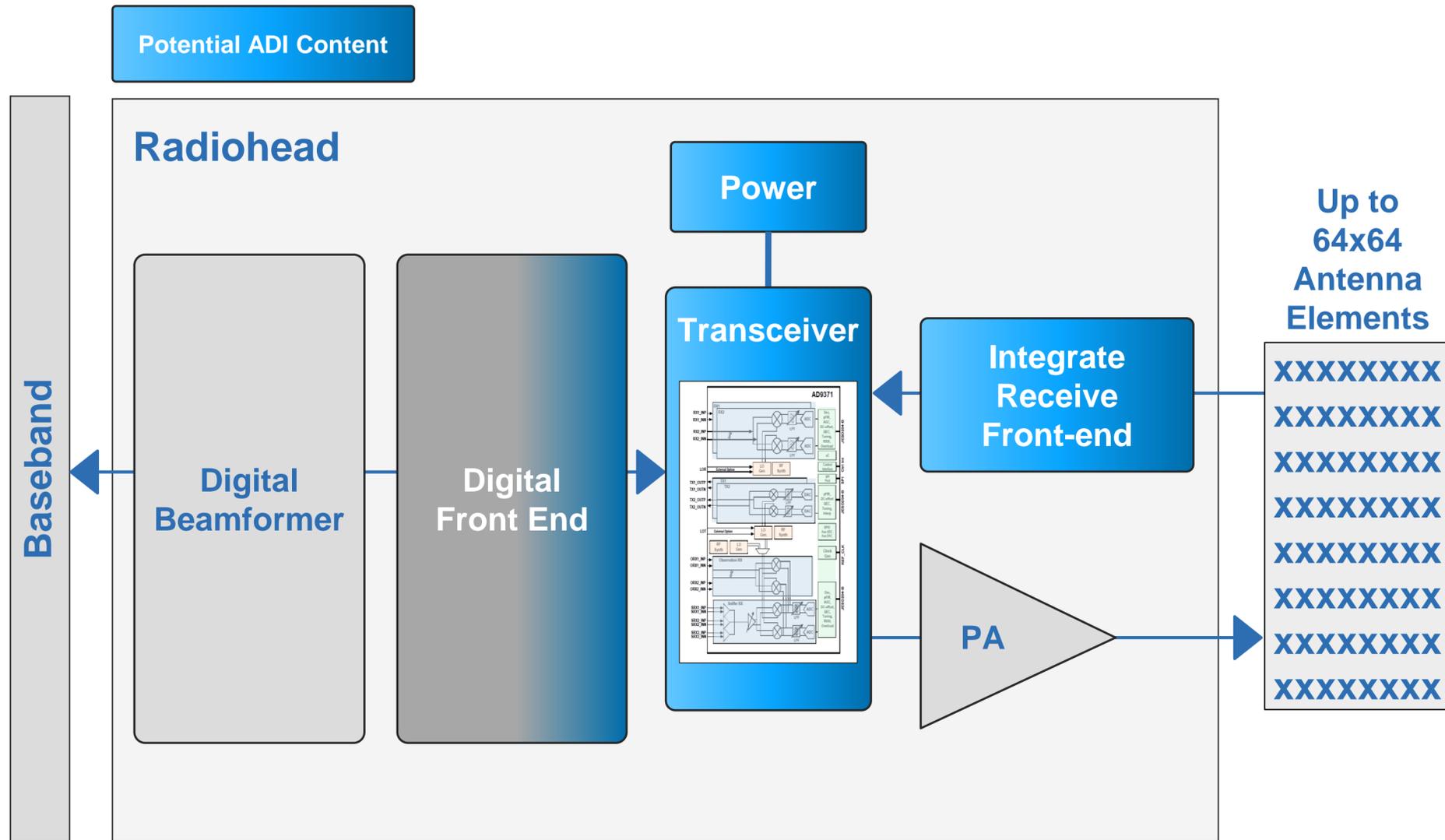


8x+ channel increase per base station...



**4x content opportunity**

# ADI Software-defined Transceiver is Redefining Wireless Architecture for 5G



## System-level Architecture

- ▶ Software-defined transceiver integrates full signal radio signal chain
- ▶ Architecture massively simplifies overall system design enabling 5G
- ▶ Expanding SAM by adding digital & algorithm functionality
- ▶ Acquisition leverage with the integrate receive front-end (Hittite) & Power (Linear Technology)



## 5G Growth Drivers

### Customer

- ▶ Defining & leading 5G architecture
- ▶ Strong & balanced share across ecosystem

### Content

- ▶ 4x dollar content opportunity
- ▶ SAM expansion through software & algorithms

### Deployment

- ▶ Early stages of multi-year global rollout
- ▶ Enabling new business models over the long-term

## SVP, Automotive, Communications, Aerospace & Defense

Dr. Greg Henderson was appointed Senior Vice President of the Automotive, Communications and Aerospace & Defense Group in 2017. Prior to this role, Dr. Henderson served as vice president of the RF and Microwave business unit, responsible for the creation and execution of Analog Devices' strategy for its full suite of RF and microwave products and solutions.

Dr. Henderson has served in leadership roles in the microwave, semiconductor, and wireless communications industry for more than 20 years. Most recently, Dr. Henderson served as Vice President of the RF and Microwave business units of Hittite Microwave Corporation—prior to the acquisition by Analog Devices. From 2009 to 2013, Dr. Henderson served as the director of broadband products and later as the director of product management, for the Public Safety and Professional Communications Division of Harris Corporation. Prior to Harris Corporation, Dr. Henderson held various management and R&D/product development positions at TriQuint Semiconductor, IBM, and M/A-COM.

Dr. Henderson earned a B.S. in electrical engineering from Texas Tech University and was granted a Ph.D. in electrical engineering from the Georgia Institute of Technology. He holds seven patents in wireless communications and semiconductor technologies and has published over 20 conference and journal papers.

