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Analog Devices Announces Breakthrough Solution to Accelerate mmWave 5G Wireless Network Infrastructure

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NORWOOD, Mass.--(BUSINESS WIRE)--May 30, 2019-- [Analog Devices, Inc.](http://www.analog.com) (ADI), the industry leader in RF and Microwave technology and system design for 5G infrastructure, today introduced a new solution for millimeter wave (mmWave) 5G with the highest available level of integration to reduce design requirements and complexity in the next generation of cellular network infrastructure. The solution combines ADI's advanced beamformer IC, up/down frequency conversion (UDC), and additional mixed signal circuitry. This optimized "Beams to Bits" signal chain represents a unique set of capabilities only available from ADI.

This press release features multimedia. View the full release here: <https://www.businesswire.com/news/home/20190530005011/en/>



"Millimeter-wave 5G is an emerging technology with great potential," said Karim Hamed, general manager of Microwave Communications at Analog Devices. "It can be extremely difficult to design these systems from the ground up, balancing system-level challenges in performance, standards, and cost. This new solution leverages ADI's best-in-class technology, long legacy in RF, microwave and mmWave communications infrastructure, and deep expertise across the RF spectrum to simplify the design process for customers, reduce overall component count, and accelerate the path to 5G deployment."

- View the ADMV4801/4821 product pages: <http://www.analog.com/ADMV4801>
<http://www.analog.com/ADMV4821>
- View the ADMV1017 product page: <http://www.analog.com/ADMV1017>

The new mmWave 5G chipset includes the 16-channel ADMV4821 dual/single polarization beamformer IC, 16-channel ADMV4801 single-polarization beamformer IC and the ADMV1017 mmWave UDC. The 24- to 30-GHz beamforming + UDC solution forms a 3GPP 5G NR compliant mmWave front-end to address the n261, n257 and n258 bands. The high channel density, coupled with the ability to support both single- and dual-polarization deployments, greatly increases system flexibility and reconfigurability for multiple 5G use cases while best-in-class

Analog Devices Announces Breakthrough Solution to Accelerate mmWave 5G Wireless Network Infrastructure (Photo: Business Wire)

equivalent isotropically radiated power (EIRP) extends radio range and density. ADI's heritage in mmWave allows customers to take advantage of world class applications and system design to optimize complete lineups for thermal, RF, power and routing considerations.

About Analog Devices

Analog Devices (Nasdaq: ADI) is a leading global high-performance analog technology company dedicated to solving the toughest engineering challenges. We enable our customers to interpret the world around us by intelligently bridging the physical and digital with unmatched technologies

that sense, measure, power, connect and interpret. Visit <http://www.analog.com>.

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