

News Release

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Fastest 5G Network in the World just got bigger and better

Verizon customers get expanded access to the unprecedented performance of 5G Ultra Wideband service, additional advancements in 5G technology with game-changing speeds, and 5G Nationwide coverage for more than 200 million people

What you need to know:

- Today, Verizon announced a huge leap forward in this new era of technology-led disruption alongside Apple.
- Verizon expands the availability of its 5G Ultra Wideband service now available in 55 cities, 43 stadiums and arenas, and seven airports.
- Verizon continues to innovate and advance 5G technology, doubling the download speeds on the fastest 5G in the world.
- Verizon 5G Nationwide service is available today to more than 200 million people in 1,800 cities around the US.

NEW YORK, NY – Today, Verizon announced a huge leap forward in this new era of technology-led disruption and innovation by expanding coverage of the 5G service built to be the 21st century infrastructure that will shape the future.

Verizon is driving 5G forward by deploying blazing-fast 5G Ultra Wideband¹ service, built on mmWave spectrum, in 19 additional US cities, 19 stadiums and six airports, and doubling download speeds on the fastest 5G service in the world² — reaching 4 Gbps peak speeds in some locations³. Verizon is also turning on 5G Nationwide service for more than 200 million people nationwide and developing exciting new solutions with partners who seek the same level of performance and operational excellence including the National Football League (NFL), The New York Times, and Riot Games. Verizon will be offering the first iPhone with 5G, and

introducing powerful new capabilities to customers with Verizon's 5G Ultra Wideband and Nationwide networks.

"We were first in the world to 5G and we are continuing to drive 5G forward. Our job, our passion, is to push the boundaries of what's possible, to bring the ecosystem together and to create experiences consumers and enterprises never even knew they needed or wanted," said Hans Vestberg, Verizon CEO. "From the start, our focus has been on building a transformational 5G network that will drastically reshape society. Today's announcement brings us one step closer to that future."

"We couldn't be more proud to share this news alongside Apple on this historic day, giving iPhone customers access to speeds and experiences only made possible through 5G. 5G just got real," he added.

Verizon's 5G Ultra Wideband available in more places

Verizon continues to lead the industry with its 5G Ultra Wideband service - the fastest 5G in the world - that was built from the ground up for industrial and commercial use cases. It's important to remember that not all services are created equal. Verizon's 5G Ultra Wideband boasts throughputs multiple times faster than 4G and, as the technology matures, it is expected to handle data volumes 100 times larger than today's capabilities, and ultra-low latencies, which is the time it takes for a signal to make a round trip from point A to point B. Verizon's use of mmWave spectrum, the backbone of 5G Ultra Wideband, is essential to these revolutionary capabilities. 5G Ultra Wideband is now available in 19 new cities, 19 new stadiums and arenas, and six new airports.

New 5G Ultra Wideband cities:

Customers in 55 cities can now experience ultra-fast wireless speeds, allowing them to download and stream movies and TV shows in seconds, videoconference and collaborate remotely in near real time, and take advantage of new immersive customer experiences never before available wirelessly. By the end of 2020, Verizon plans to launch 5G Ultra Wideband in more than 60 cities. The newest 5G Ultra Wideband cities with access to the fastest 5G in the world include:

- Arlington, TX
- Ann Arbor, MI
- Anaheim, CA
- Baltimore, MD
- Fort Wayne, IN
- Hartford, CT
- Jersey City, NJ
- Las Vegas, NV
- Louisville, KY
- Milwaukee, WI
- Oklahoma City, OK
- Philadelphia, PA
- Raleigh, NC
- Richmond, VA
- San Francisco, CA
- Sarasota, FL
- St. Louis, MO
- Syracuse, NY
- Tucson, AZ

Specific coverage in each city can be found here <https://www.verizon.com/coverage-map/>.

Stadiums and arenas:

Today, Verizon also added 19 new locations to the growing list of 43 stadiums and arenas with Verizon's 5G Ultra Wideband network. When fans are in these locations, they can enjoy super-fast wireless service, immersive experiences and additional in-stadium enhancements. And, until those stadiums are filled to capacity with cheering fans again, 5G Ultra Wideband has the potential to bring in-stadium experiences to fans at home.

The list of new stadiums and arenas with access to Verizon's 5G Ultra Wideband network include Citi Field, FedExForum, the Golden 1 Center, Lambeau Field, Progressive Field, Mercedes-Benz Superdome, Red Bull Arena, SoFi Stadium, and State Farm Stadium. For more locations check out: <https://www.verizon.com/coverage-map/>.

Airports:

Travelers flying through Chicago O'Hare International Airport, Des Moines International Airport, John Glenn Columbus International Airport, Milwaukee Mitchell International Airport, Minneapolis-St Paul International Airport, Salt Lake City International Airport, and San Antonio International Airport can have access to Verizon's 5G Ultra Wideband network in parts of the airports.

Driving innovation and advancements in 5G Ultra Wideband technology

In addition to expanding its 5G Ultra Wideband footprint, Verizon continues to innovate and introduce advanced technologies on its 5G network that will help customers reach never-before-seen mobile capabilities and create new use cases across the consumer and business landscape.

Here's how it's done: Using carrier aggregation, a technology that combines multiple channels of spectrum to provide greater efficiency for data sessions transmitting over the wireless network, Verizon combined eight separate channels of mmWave spectrum to achieve record-setting multi-gigabit speeds in parts of some cities. Using this technology, customers will see double the download speeds they have historically experienced on 5G Ultra Wideband, with peak speeds up to 4Gbps possible in some locations.

Customers will also see a boost in speeds with two carrier aggregation now available for uploads. Carrier aggregation allows customers on 5G Ultra Wideband to achieve unprecedented mobile speeds and brings the massive bandwidth available with mmWave spectrum to life.

5G Nationwide coverage on Verizon

Today, Verizon also announced its launch of 5G Nationwide service, covering more than 200 million customers. Verizon's 5G Nationwide runs on lower spectrum bands than 5G Ultra Wideband, using an advanced technology called Dynamic Spectrum Sharing (DSS). Dynamic Spectrum Sharing allows 5G service to run simultaneously with 4G LTE on the same spectrum band. With DSS, when customers move outside Verizon's 5G Ultra Wideband coverage area, their 5G-enabled devices will remain on 5G technology using lower bands of spectrum.

This new technology allows Verizon to use its full portfolio of current spectrum resources to serve both 4G and 5G customers, maximizing their experience on the Verizon network. Customers can use Verizon's network in a variety of ways — from virtual learning to real-time gaming — that requires the ability to allocate spectrum resources in real time.

New 5G experiences on Verizon

Customers using new iPhone models on Verizon's 5G network will have access to experiences and applications from the National Football League (NFL), The New York Times, Riot Games and others, which will take advantage of the unprecedented speed, massive capacity and ultra low lag time Verizon 5G Ultra Wideband offers.

5G SuperStadium: Available exclusively for a limited time to Verizon customers on the new 5G iPhone, Verizon 5G SuperStadium brings fans closer to the action to engage in the game with up to seven different camera angles on the field for selected games and more.

From Here: Utilizing the Verizon 5G Ultra Wideband network, this new immersive editorial experience from The New York Times lets readers explore a space as if they were physically in the picture themselves through environmental photogrammetry — allowing readers to engage with stories like never before.

League of Legends Wild Rift: Riot Games has rebuilt the League of Legends Wild Rift from the ground up for the best mobile experience possible on Verizon 5G Ultra Wideband. Gamers will soon be able to experience Wild Rift on their mobile phones in ways historically only available through a tethered PC.

“Delivering the 5G network that is the foundational technology that will revolutionize nearly all aspects of our lives stems from tried and true world-class engineering, a solid technical foundation, and scaled deployment of emerging technologies,” said Kyle Malady, Chief Technology Officer at Verizon. “Just as we did with 4G, we are not only speeding deployment, but also advancing 5G technology itself. We will continue to push the limits of this technology to unleash the full potential of 5G.”

To learn more about the 5G America's been waiting for, visit <https://www.verizon.com/about/our-company/5g>.

¹5G Ultra Wideband available only in parts of select cities.

²Global claim from May 2020, based on Opensignal independent analysis of mobile measurements recorded during the period January 31 – April 30, 2020 © 2020 Opensignal Limited.

³Typical download speeds vary by location.

Verizon Communications Inc. (NYSE, Nasdaq: VZ) was formed on June 30, 2000 and is celebrating its 20th year as one of the world's leading providers of technology, communications, information and entertainment products and services. Headquartered in New York City and with a presence around the world, Verizon generated revenues of \$131.9 billion in 2019. The company offers data, video and voice services and solutions on its award-winning networks and platforms, delivering on customers' demand for mobility, reliable network connectivity, security and control.

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