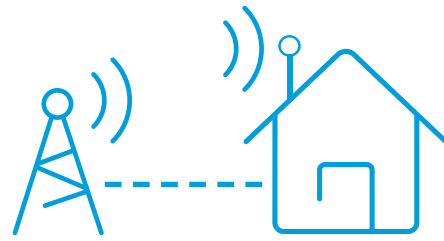


Austin 5G Wireless Trial

AT&T is conducting a 5G network trial in Austin, Texas with the help of Ericsson's 28 GHz millimeter wave infrastructure and Intel's Mobile Test Platform. Late last year we conducted what we believe to be the world's first 5G business trial demonstrating the use of 5G for business communications and collaboration, video streaming, VPN, and other business applications.



“Taking our fixed wireless 5G trials out of the lab and into the real world helps us learn important factors about mmWave and 5G. And in doing so, we’re learning how to better design our network for the future.”

Marachel Knight,
*Senior Vice President of Wireless Network
Architecture and Design, AT&T*

In addition to the enterprise trial, this year the Friendly User Trial was extended to small business and residential locations. We have demonstrated both line of sight and non-line of sight operations achieving throughput up to 1 Gbps. We have demonstrated the “wireless home” with simultaneous use of video calling, immersive VR video and DirecTV streaming.

Faster than a speeding bullet? Maybe not, but AT&T has experienced network speeds of nearly 14 Gbps in the lab, further demonstrating the potential of this technology.

5G Trials like this will help us to better understand 5G mobility impacts and latency issues (how long it takes to send and receive data). Trials will also help us to learn more about near real time responses required for services like connected cars.

In addition such trials help to develop the knowledge base, experience, and industry interaction to improve standards and accelerate equipment availability.

We are applying key learnings from Austin to the coming trials in Waco, Kalamazoo, and South Bend and expect to learn even more. Trial participants in the new markets may include universities, hospitals, churches, restaurants, and other small businesses. Participants will be able to stream premium live TV via DIRECTV NOW and experience faster broadband services, all over a 5G internet connection.

AT&T's move to software-defined networking (SDN) will help to accelerate 5G deployment as automation and open source initiatives are changing networks and making them easier and quicker to augment or change. AT&T's ECOMP/ONAP open source initiatives will help reduce costs and enable 5G networks.

