

Nokia and T-Mobile showcase the real potential of 5G through network testing and applications

- Companies conclude preliminary 5G testing, using T-Mobile's 28GHz spectrum and Nokia's commercial 5G-ready AirScale radio platform
- Nokia and T-Mobile also collaborate on 5G demonstrations, highlighting LTE-Advanced technologies used for 5G including high order MIMO
- Joint 5G demonstration development showcases how industries will benefit from increased speed and low latency communications

Nokia and T-Mobile US, Inc. (Nasdaq:TMUS) continue to expand their collaborative partnership to show the capabilities of 5G technology with recent achievements around a pre-standards 5G test network. The 5G air interface lab test used T-Mobile's 28GHz spectrum and Nokia's commercial 5G-ready AirScale radio platform. This resulted in industry leading connection speeds and throughput rates of several gigabits per second and real-time latency of 1.8 milliseconds while streaming four simultaneous 4K videos.

Nokia and T-Mobile are also partners in innovative application demonstrations at the operator's experience center, which highlight ultra-definition 360° Virtual Reality, extreme industry automation, massive connectivity and multi-connectivity. These applications preview how 5G technology can meet the future expectations of high growth device connections, zero-latency, mission critical solutions and applications, interactive augmented reality entertainment, and automation in many industries like transportation, health and manufacturing.

Nokia and T-Mobile plan further network testing and application validation, putting into place the necessary steps for standardising 5G technology.

Neville Ray, chief technology officer, T-Mobile, said: "We've now brought 5G out of the lab and into the field. With Nokia's partnership, we're seeing the kind of astounding data speeds and low latency that are hallmarks of 5G and set the standard for future network performance."

Ricky Corker, executive vice president and head of North America for Nokia, said: "5G is quickly shifting into another gear.

We're excited to be working alongside T-Mobile to help drive their 5G plans and show what the future of mobile communications can be for T-Mobile's Un-carrier customers."