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Samsung to Collaborate with T-Mobile on 5G Mobile Network Technology Demonstrations and Trials

Samsung plans 5G trials using pre-commercial systems with T-Mobile

LAS VEGAS – September 7, 2016 – Samsung Electronics America, Inc. announced it is collaborating with T-Mobile US on new demonstrations and lab tests designed to bring the power of 5G mobile networks to the masses. Through this collaboration, the companies will assess next generation network development in real-world mobile use cases and applications, and conduct lab and field trials that demonstrate a range of innovative 5G-driven capabilities.

The collaboration includes initial testing later this year of 5G mobility in an outdoor environment using T-Mobile's 28 GHz (mmWave) spectrum and Samsung's 5G proof of concept system, which will be enabled by Samsung's advanced beam forming technology. In early 2017, additional in-depth trials will continue using a Samsung pre-commercial 28 GHz system.

"We are excited to work with Samsung to see how we can bring to life key attributes of emerging 5G technology, including extreme speed, low latency and massive connectivity," said Neville Ray, Chief Technology Officer, T-Mobile. "Our collaboration with Samsung's networks technology will enable us to enhance 5G development and availability."

"Applying Samsung's 5G leadership to assist T-Mobile in developing their next generation network is an exciting opportunity," said Mark Louison, Senior Vice President and General Manager, Networks Business at Samsung Electronics America. "We are well-positioned to deliver the 5G ecosystem to leading operators like T-Mobile, given our years of experience and development across our semiconductor, device and networks divisions."

Samsung network equipment and devices offer an attractive pathway to meeting ever-growing consumer demand for data in an emerging 5G world. 5G technology is expected to drive the next wave of mobile application development and the Internet of Things (IoT), connecting billions of devices and accelerating low latency gigabit speeds for richer content and experiences. Samsung is a key contributor and holds a host of essential patents related to the new 5G standards, which are expected to be finalized in 2018.

To hear more about Samsung Networks and see demonstrations of its networks business and wireless enterprise solutions, visit Samsung's booth at the CTIA Super Mobility 2016 event in Las Vegas, Booth #3122.

About Samsung Electronics America, Inc.
Headquartered in Ridgefield Park, N.J., Samsung Electronics America, Inc. (SEA), is a recognized innovative leader in consumer electronics, mobile devices and enterprise solutions. A wholly owned subsidiary of Samsung Electronics Co., Ltd., SEA is pushing beyond the limits of today's technology and providing consumers and organizations with a portfolio of groundbreaking products in appliances, home entertainment, Internet of Things, mobile computing, smartphones, virtual reality, wireless infrastructure and wearables, in addition to offering leading content and services related to mobile payments, 360-degree VR video, customer support and more. Samsung is a pioneering leader in smartphones and HDTVs in the U.S. and one of America's fastest growing home appliance brands. To discover more about Samsung, please visit www.samsung.com. For the latest Samsung news, please visit news.samsung.com/us and follow us @SamsungNewsUS.

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