

## CommScope Collaborates with Nokia on Passive-Active Antenna

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CommScope is collaborating with Nokia to develop passive-active antenna solutions which enable operators around the world to optimize tower space usage, increase cell site capacity and lay the groundwork for a 5G ready future.

As operators seek ways to keep up with intense subscriber demand for mobile broadband, they must add capacity to existing radio technology layers. In many cases, as 5G roll-out momentum builds, 5G massive MIMO antennas capable of 3.5 GHz frequency bands may also need to be deployed at the same cell site.

To address this requirement, CommScope and Nokia are developing new passive-active antenna solutions to significantly boost site capacity, while easing deployment considerations. The streamlined design of the passive-active antenna combines the capacity and beamforming benefits of massive MIMO adaptive antenna technology for 5G, as well as high performance antennas for existing radio technologies all within the available, often limited, cell site space.

"The passive-active antenna solutions give operators a strong business case for 5G ready networks, while also increasing the capacity and performance of existing technologies," said Farid Firouzbakht, senior vice president of RF Solutions, CommScope. "We will continue to build on the momentum with Nokia, developing innovative solutions for operators."

The passive-active antenna solutions will be released for commercial deployment in 2019. More information can be found at the CommScope stand at Mobile World Congress 2019 in Hall 2, stand 2J30.

Resources:

- Video: [Antenna technology in the 5G era](#)

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About CommScope:

CommScope (NASDAQ: COMM) helps design, build and manage wired and wireless networks around the world. As a communications infrastructure leader, we shape the always-on networks of tomorrow. For more than 40 years, our global team of greater than 20,000 employees, innovators and technologists have empowered customers in all regions of the world to anticipate what's next and push the boundaries of what's possible. Discover more at [www.commscope.com](http://www.commscope.com).

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