COMMSCOPE®

FORT HAYS STATE UNIVERSITY

NEX-TECH® wireless

OneCell performance results

- **66 Mbps** peak download speeds (10 MHz channel)

- **99.7%** connection success rate

- **0.5%** connection drop rate

- **100%** macro handover success rate

- Automatic intercarrier load balancing

OneCell® Cloud-RAN small cells blanket Fort Hays coliseum

Graduating to the next generation of small cell performance

In May 2015, a U.S.-based mobile network operator Nex-Tech Wireless deployed CommScope's OneCell Cloud-RAN (C-RAN) system in Fort Hays State University's 7,600-seat Gross Coliseum to support its upcoming graduation ceremony. OneCell's architecture eliminated cell border interference and handovers to ensure exceptional LTE performance throughout the entire venue during the event.

The Fort Hays IT staff was impressed by the solution's inaugural performance. OneCell achieved 66 Mbps peak download speeds on a 10 MHz channel with a 99.7 percent connection rate and a mere 0.5 percent drop rate— all with a 100 percent macro handover success rate.

"OneCell provided superior performance at an attractive price point. It represents a significant improvement over our legacy wireless architecture."

Nathan Sutter
Director of Network Operations and Engineering for Nex-Tech Wireless

Up and running in record time

With Fort Hays' graduation rapidly approaching, time was of the essence for Nex-Tech Wireless. Since OneCell eliminates the need for complex RF planning and is connected over standard Ethernet LANs, the physical installation took a mere three days without any deep RF expertise required.

Hardware simplicity and deployment speed were critical factors in Nex-Tech Wireless' decision to purchase and use OneCell®. This was evidenced by a lightning-fast, nine-week timeframe between concept and commercial use. This included qualifying OneCell with Nex-Tech Wireless' evolved packet core (EPC) network, and then designing, installing and testing the coliseum system. The physical installation was performed by an IT systems integrator without any RF skillsets *in three days.*

"As a demanding use case, the graduation event exceeded our expectations and validated for us the advantages of this technology. We expect to continue seeing strong performance from the system, especially as we introduce newer capabilities down the road."

Nathan Sutter
Director of Network Operations and Engineering for Nex-Tech Wireless

20TH GLOBAL MOBILE AWARDS WINNER

eTECH AWARDS 2014 FIRST PLACE

GERMAN DESIGN AWARD NOMINEE 2016

Gartner® VISIONARY 2015 Magic Quadrant for Small Cell Equipment

CommScope (NASDAQ: COMM) helps companies around the world design, build and manage their wired and wireless networks. Our network infrastructure solutions help customers increase bandwidth; maximize existing capacity; improve network performance and availability; increase energy efficiency; and simplify technology migration. You will find our solutions in the largest buildings, venues and outdoor spaces; in data centers and buildings of all shapes, sizes and complexity; at wireless cell sites and in cable headends; and in airports, trains, and tunnels. Vital networks around the world run on CommScope solutions.

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