

Galtronics Announces Industry-First LTE MIMO In-Building DAS Antenna

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Single MIMO antenna outperforms two competitors' spatially separated antennas in data throughput tests at the Las Vegas Hilton.

ARLINGTON, Va.—Galtronics Corporation Ltd.

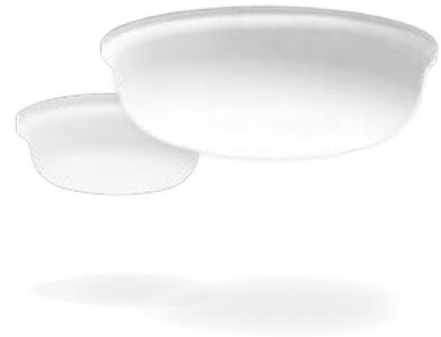
(www.galtronics.com) announced today that its single 690–2700 MHz In-Building Distributed Antenna that provides MIMO for the LTE 690-806 MHz band significantly outperformed two spatially separated competitor antennas in data throughput tests recently conducted by American Tower at the Las Vegas Hilton. These test findings, unveiled here at the DAS in Action 2011 forum, confirm the MIMO advantage for In-Building DAS systems operating in the 750 MHz LTE spectrum.

In the on-site testing, the Galtronics dual-polarized MIMO antenna (Model No: 02108261-04772) significantly enhanced data throughput in the LTE 750 MHz band throughout the hotel's common areas, outperforming two spatially separated SISO antennas tested at the same locations. The Galtronics antenna more than doubled the overall speed and also enhanced the quality of reception at the edge of coverage. These enhanced capabilities deliver higher data rates to mobile users while offering the venue owner lower installation costs by only having to install one antenna instead of two.

“Galtronics is pleased to announce these revolutionary test results of our in-building antenna product,” said Ephraim Ulmer, president and CEO of Galtronics Corporation Ltd. “The industry has long speculated on MIMO capabilities at 750 MHz for an in-building environment; these tests prove the case once and for all. Galtronics' break-through antenna solution provides remarkable MIMO performance through a single antenna eliminating the need for two spatially separated units — saving system and installation cost while providing breakneck speed for the end user.”

In addition to increased network data throughput, Galtronics' MIMO antennas offer cost and installation advantages to network operators and building owners. Galtronics broadband solutions also help to “future-proof” installations for coming generations of enhanced LTE capabilities as building owners and network operators migrate from SISO to MIMO indoor performance.

The Galtronics MIMO antenna tested in the Las Vegas Hilton operates at 690–2700 MHz with MIMO featured from 690-806 MHz. Galtronics also offers an 8” MIMO model which covers the 1710–2700 MHz frequencies. In both models MIMO is accomplished in a single proprietary



design to maximize coverage for the in-building environment. This single enclosure, dual band, dual-polarized MIMO antenna capability is an industry first. Specific test results are outlined in the accompanying graph.

