

# BEYOND WIRELESS

Trends Interesting Deployments Business Impact



***How wireless broadband enabled a multi-branch banking system interconnected its office with secure, upgraded financial transaction and data processing capacity.***

- The Problem:** *The growth of electronic bank transaction volume was outpacing the data throughput speeds that traditional T1 lines could support.*
- The Solution:** *Upgrade the communications system to T3 or fiber or migrate to Motorola's Canopy® wireless broadband portfolio, which offers up to 14 Megabits per second throughput was chosen by the Iberville Bank and ERF Wireless Communications over T3 and fiber options.*  
[www.erfwireless.com](http://www.erfwireless.com). [www.motorola.com/canopy](http://www.motorola.com/canopy).  
[www.connectwithcanopy.com](http://www.connectwithcanopy.com).
- The Result:** *Iberville Bank has successfully connected its 12 branches with its headquarters with more than enough processing capacity at a substantial cost-per-megabit cost savings compared to wired solutions.*

## Background

*Iberville Bank, located in south-central Louisiana, is a multi-branch operator with 10,000 customers and has successfully deployed an encrypted wireless financial network powered by Canopy point-to-point links and CryptoVue™, a patent-pending proprietary data encryption system with biometric controls developed and deployed exclusively for high-security networks by Texas-based ERF Wireless. Previously, Iberville Bank had leased numerous land-based data transmission lines to link its 12 facilities dotting a 500-square-mile area. The bank's new wireless network directly addresses a number of financial operations issues, including elimination of the \$7,000 to \$8,000-a-month cost to interconnect its branches with T1s and the \$70,000 it was being charged annually by couriers to deliver checks and other paper-based documents to processing centers that now are being delivered wirelessly. Typical data throughput over T1s, especially fractional T1s, provided Iberville Bank with connectivity up to 1,536 Kilobits per second. The bank system now experiences data transmissions up to 14 Mbps with the Canopy links and CryptoVue technology. Together these technologies satisfy stringent auditing standards and federal banking regulations for wireless network security as well as vulnerability assessment tests necessary to carry sensitive financial data.*

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**Beyond Wireless** is a mini case study that is intended to illustrate a unique deployment of Motorola's Canopy wireless broadband technology. Canopy solutions are part of Motorola's MOTOwi4™ portfolio of innovative wireless broadband solutions that create, complement and complete IP networks. Delivering IP coverage to virtually all spaces, the MOTOwi4 portfolio includes Fixed, WiMAX, Mesh, and Broadband over PowerLine solutions for private and public networks.



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