Customer Problem: Unreliable hardware

iRapida Telecom is a rapidly growing Wireless ISP in a highly competitive market with operations in multiple cities. iRapida was encountering significant interference issues resulting in limited “real world” throughput. These high density deployments are limited by the capacity capabilities with their current equipment vendor. This is impacting their ability to deliver strong QoS as well as increase revenue by adding new customers.

“In our deployments, Edgewater’s WiFi3™ substantially outperformed all other WiFi access points and helped us generate great APRU. Performance & increased revenue from the same box- we’re impressed!”

Hans Kuerten, VP Engineering for iRapida Telecom
Our Solution: Multi-channel APs

Working with iRapida to understand the RF spectrum and interference issues, the team was able to identify significant RF interference. Utilizing WiFi3™ patented, real-time Spectral Surveillance Technology and our native hardware interference mitigation capabilities, iRapida was able to deploy industry leading, multi-channel, wireless access points. WiFi3™ allowed iRapida to layer traffic across multiple channels to utilize additional capacity without overloading the spectrum with multiple new radios and adding to an RF spectrum already plagued with interference.

Excellent Result: Resolved Interference & Capacity

WiFi3™’s multiple concurrent channels of Tx and Rx can mitigate interference by lowering the noise floor while layering traffic across multiple channels, add capacity and time slots to connect more devices and deliver more data. The result, iRapida was able to resolve the interference and capacity issues and deliver exponentially improved service to their customers. iRapida now is able to offer a highly competitive solution with a scalable network solution to add additional customers and capacity without massive hardware upgrades and cabling costs.

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