A New Model for Wireless

Spectrum, a highly valued essential resource for wireless communications, is a finite resource that is in high demand due to the exponential increase in wireless mobile data traffic. Historically there are two types of spectrum utilized by the wireless industry: licensed spectrum for commercial services offered by wireless carriers, which is exclusive, high quality yet costly and unlicensed spectrum, dominated by Wi-Fi, which is low cost, but unmanaged and subject to interference.

Federated Wireless’ cloud-based CINQ XP platform built on the foundation of shared spectrum aims to deliver a balance between the low cost and versatility of unlicensed spectrum and the quality and predictability of licensed spectrum. CINQ XP gives service providers access to shared spectrum and the tools to plan, utilize and optimize the spectrum resources. CINQ XP drastically reduces the cost of network densification, providing new economics that help service providers extend LTE based networks indoors, and open up new market opportunities. And what is even better, CINQ XP’s platform makes network planning easier than ever before.

Network Densification

CINQ XP provides mobile network operators and service providers with a platform to densify their networks through licensed shared spectrum. A cloud-based software solution providing the tools needed to plan and manage networks in real time with visibility into a shared environment.

Network Extension

CINQ XP’s cloud based platform provides mobile network operators and service providers a new economic model to cost effectively and seamlessly extend networks indoors.

Reduction of Cost/Time of Network Engineering

The CINQ XP platform uses a variety of different geographic data and provides network analytics that all but eliminates the need for drive testing and other network planning costs. Now a model for a network within a region can be built significantly faster, reducing the costs and time spent utilizing current solutions.

New Market Opportunities

CINQ XP enables the carrier to meet the connectivity demands of the emerging Connected Home, Smart City, and ultimately the Internet of Everything.
CINQ XP: Solution

Managed Network

Network Planning & Management
Plan and manage networks on 3.5 GHz while getting a complete radio environment map through predictive propagation models. The cloud-based application is integrated with Federated Wireless’ Spectrum Access System (SAS) and Environmental Sensor Capability (ESC) and supports the model adopted by the FCC for commercial operations in the 3.5 GHz band protecting federal incumbents while maximizing capacity for priority access licenses (PAL) and General Authorized Access (GAA).

CINQ XP Easy to Use Interface

Key Advantages
- Access to a new model of shared spectrum that combines the quality and predictability of licensed spectrum with the low cost and versatility of unlicensed spectrum
- An extension of networks indoors utilizing cloud economics, reducing the high cost of Wi-Fi infrastructure
- The ability to plan and optimize networks real-time in the cloud reducing the cost and time needed for field engineering
- New market opportunities that will help facilitate the smart home and mobile enterprise
- On-demand analytics to allow dynamic management of networks
- Compatibility that allows for integration with existing tools and services
- Identification of secondary markets

Business Support Capabilities
Spectrum market valuation tools assist with providing the true market value of spectrum in a shared environment. These data points can be used to inform key business decisions and uncover new market opportunities. Rich data analytics and visualization include metrics such as coverage, capacity, user performance, network usage, and band availability to support reporting and auditing across KPIs.

Find Out More
Contact Federated Wireless by calling (703) 650-0585 or emailing us at http://www.federatedwireless.com/contact/