

Public Safety Wireless Broadband Study

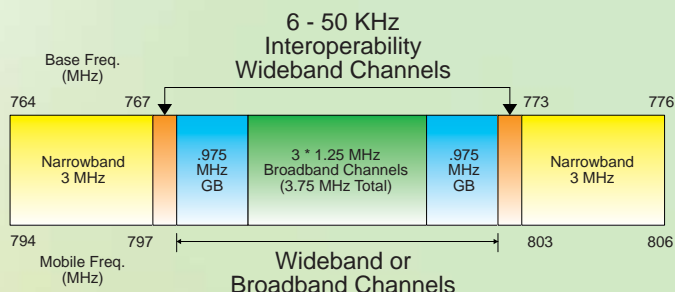
Broadband is Here! Are You Prepared?



The future of public safety communications is upon us. Broadband radio spectrum in 700 MHz soon will be available nationwide. Wireless broadband technologies have become affordable and highly capable. At the same time, emergency responders are demanding better tools to meet increased responsibilities and pressures. Public safety requires more efficient and effective interoperable data communications systems and tools to meet its growing needs. Streaming video, high resolution images, messaging, Computer Aided Dispatch, and Automatic Vehicle Location, support emergency responders to better protect our country and themselves. Broadband wireless solutions are required to fully harness these capabilities for public safety.

Government officials must begin planning now to take advantage of all that broadband has to offer and to incorporate broadband into their communications strategy. Televate's Public Safety Wireless Broadband Study provides you with an understanding of the opportunities for 700 MHz broadband, a realistic network design customized for your area, the cost of deploying and operating your 700 MHz broadband network, and the steps that can be taken now to better position your agency to take advantage of the benefits of broadband solutions.

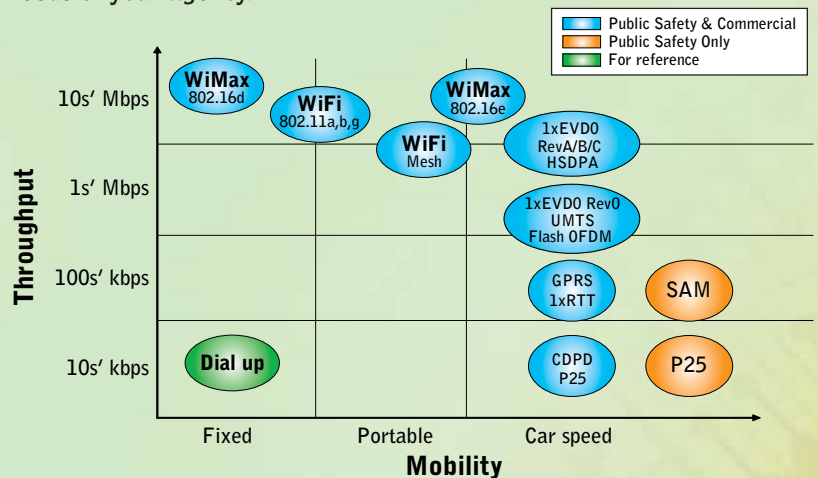
Proposed 700 MHz Public Safety Band



Spectrum & Technology Assessment

The spectrum assessment will provide government officials with an understanding of when broadband spectrum will be available for their area and what steps must be taken to secure broadband licenses for your municipality. Rulemaking currently in progress will result in shared wideband and broadband spectrum in the public safety 700 MHz band requiring significant regional coordination and planning. It is critical that public safety now begin the planning process to optimally utilize its valuable 700 MHz spectrum.

HPD-SAM, WiMAX, EVDO, HSDPA, and MESH, are among the array of high-speed wireless solutions available for deployment. There are critical differences that can impact the applications available to you, where they are available, when they are available, and what percentage of your personnel can access the technology. Televate's technology assessment will provide an understanding of these factors and how they impact spectrum planning and meeting the long-term needs of your agency.



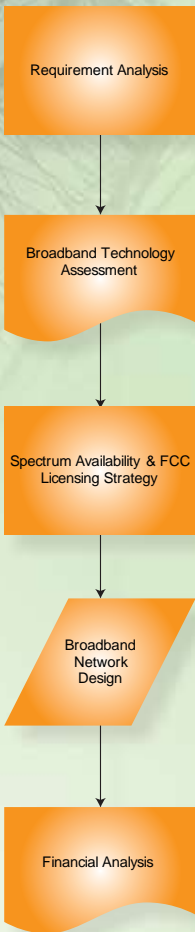
The spectrum and technology assessment will:

- Identify incumbent television broadcasters and determine if broadband operations are feasible in advance of the Congressional deadline in early 2009;
- Provide important information on the impacts of regional planning on broadband capacity and interoperability;
- Compare available technologies and their spectrum uses;
- Provide technology performance information and;
- Map the spectrum and technology assessments to the desired benefits of broadband solutions;

The Technical Assessment will provide information that can assist you to make the choice that best suits your jurisdiction and its specific needs.



Broadband Case Study
For
Public Safety

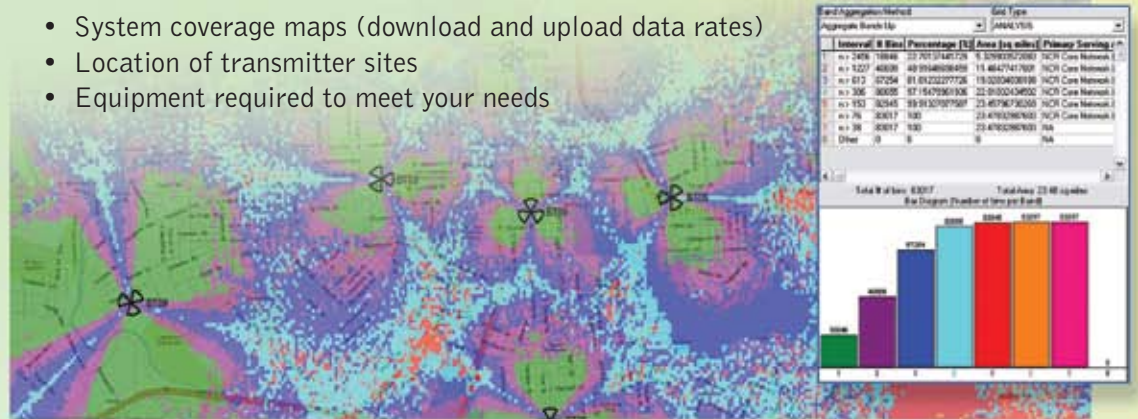


Wireless Broadband Network Design

The broadband study includes a customized 700 MHz broadband network design for your area. We start by collecting data on your existing infrastructure and basic requirements for data communications. We then design a system, evaluating the most compatible technology using state-of-the-art propagation and dimensioning tools. We design the system for public safety grade – using redundant components and worst-case scenarios.

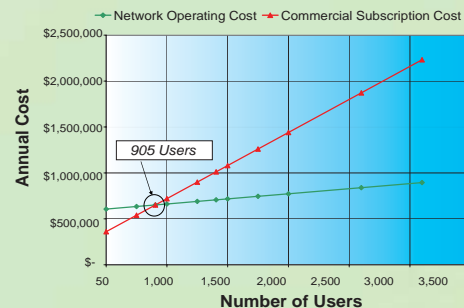
This real-world design is used to estimate the projected capital investment and operating costs for the broadband network technology supporting the design. We leverage your existing radio sites and other assets to reduce deployment and operating expenses for your jurisdiction. Included in this network design are:

- System coverage maps (download and upload data rates)
- Location of transmitter sites
- Equipment required to meet your needs



Financial Analysis

A comprehensive and customized budget, including details of deployment and operational cost for available broadband technologies is fundamental to the analysis and technology selection process. Executive managers and funding administrators demand such detail prior to the project’s consideration. The budget must be reasonable for the tasks and equipment proposed; and the relationship of the budget to the project plan must be clearly identified and communicated.



The budget planning will incorporate at a minimum the network deployment capital expenditures and operational expenditures for each technology, as well as:

- Capital deployment costs
- Cost of ownership and operations
- Technology refresh of the equipment and devices
- Comparison with commercial cellular service

Each customized budget will estimate the costs to build and operate a broadband wireless network used to assist you with decision making and financial planning.

Contact Us To Get Started

Televate has extensive experience in delivering broadband solutions to public safety. Incredible opportunities await public safety to take advantage of the latest communications and solutions. In order to harness these opportunities, you need to begin planning for the future. Televate’s Public Safety Wireless Broadband Study enables incredible insight to the opportunity and a roadmap on how to capitalize on it. Please contact us today for a customized quote.

Other Services

Televate can support you beyond these initial steps with comprehensive program management and engineering of your broadband network and applications. Included in our suite of services are Land Mobile Radio system deployment and optimization including 800 MHz rebanding. We can also work with your existing private or commercial data system and integrate and project manage application deployments as well as troubleshooting and operations support. Please visit our web site at www.televate.com for more information.

