



700 MHz Services

SERVICE OVERVIEW

Comsearch's spectrum management and engineering expertise helps you take full advantage of your 700 MHz spectrum.

Comsearch's 700 MHz Services Some TV Stations Just Won't Go Away

Thousands of low power and translator stations may continue to operate in the 700 MHz band on a secondary basis after the February 2009 deadline and could interfere with 700 MHz systems. Moreover, full power stations broadcasting on channel 51 will require engineering analysis and coordination to identify and avoid crippling adjacent-channel interference problems.

Comsearch offers expert spectrum consulting and engineering services to 700 MHz licensees faced with strict build-out requirements, incumbent TV operations, and full power Channel 51 TV stations. Our 700 MHz services help you assess the incumbent and regulatory environment, plan your wireless network, and engineer a robust and reliable system. We have the people, the data, the tools, the processes, and the know-how to help you take full advantage of your 700 MHz spectrum.

Comsearch's 700 MHz data services include:

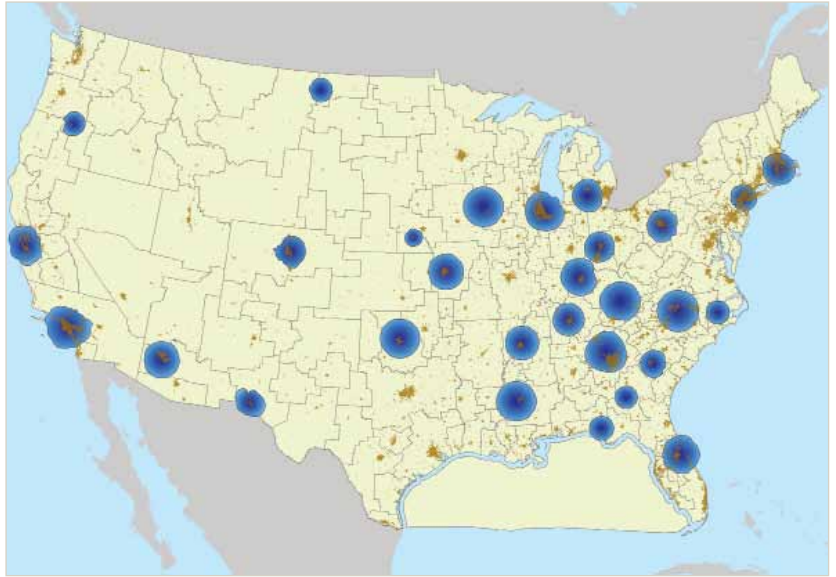
- **Incumbent Assessment**—Comsearch provides data and maps identifying the television stations' Grade B contours that affect your market, complete with detailed technical data and contact information. This will provide an initial picture of stations that may impact your planned 700 MHz system. In many cases you will need to further analyze the interference potential to determine the appropriate course of action.

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- **Interference Analysis**—Comsearch determines whether your proposed system will meet the FCC's co and adjacent channel criteria to nearby TV stations, including full power Channel 51 stations. We will also analyze potential interference from these stations into your 700 MHz system. This will identify which secondary LPTV stations will need to relocate prior to launch and the impact of any Channel 51 stations. In some cases, the results will be critical in determining your build-out options and strategy.

Comsearch also offers services to help you evaluate your spectrum and design your network:

- **Carrier Analysis**—A summary of licensees in other bands such as AWS, PCS, cellular, WCS, BRS and mobile satellite. We sum up the amount of spectrum per carrier and the population covered by each license. We take into account leases recorded with the FCC, ownership changes, frequency disaggregation and market partitioning down to the partial county level.
- **Microwave Backhaul**—We offer the expertise, tools and experience necessary for successful planning, management and implementation of wireless backhaul systems. Our services include project planning, oversight and scheduling, topology analysis, capacity planning, LOS feasibility, band selection, path surveys, detailed path design, frequency engineering and FCC licensing.



Channel 51 Digital Television Stations



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