

## AM Detuning Studies: Sitesafe's Expertise

We know AM detuning—our clients include carriers, tower companies, and service providers from across the United States—and we offer a complete set of services to enable a public mobile service licensee to comply with the federal regulations regarding disturbance of AM broadcast station antenna patterns.

**Sitesafe's AM screening tool:** Our clients screen an average of 2,800 sites per month for possible AM interference using Sitesafe's online AM screening tool (<http://am.sitesafe.com>). More than 30,000 sites have been screened in the first 10 months of 2007. It's the easiest way to screen single or multiple sites—enter the necessary site data and the screening tool completes the process.

**Knowledgeable AM staff:** Sitesafe has been screening sites, determining appropriate scopes of work, and designing and carrying out tower detunes for nearly 10 years. Several of the department's staff members—project coordinators, report writers, and field technicians—have been with us for 6 of those years. We see so many sites each year that our experienced staff can flag potential problems quickly because they're familiar with the common (and uncommon) situations that can arise. We also know how to work with AM station engineers, their schedules, and their idiosyncrasies to facilitate scheduling and taking of all necessary measurements.

**Sitesafe's AM track record and quality:** Sitesafe stands behind its work. Our reports are reviewed and approved by one of our 2 licensed P.E.s on staff, who share the responsibility to review, approve and certify each Sitesafe AM report before delivery to the client and the AM station. We are committed to safety and regulatory compliance, and in our 10 years of performing AM detuning work have continually found appropriate detuning solutions that meet our client's regulatory commitments and reduce possible litigation risks but at the same time are acceptable to any AM stations involved. We are very proud that the majority of our customers are repeat customers because of the quality of work and level of service we provide.

The addition of Phil's in-depth knowledge of AM broadcasting, regulatory requirements, and due diligence issues to Sitesafe's existing knowledge base and industry expertise in AM compliance adds to the strength of our department and the quality of the services we provide. Our qualified staff, led by Matt and Phil, combined with our solid track record and continuing commitment to quality, make us confident that Sitesafe is an excellent value for the best AM compliance services on the market at a reasonable price.

**Seasoned leadership and AM expertise: Philip Harris, CSRE,** joined Sitesafe in August 2006 as our Senior AM Engineer, responsible for oversight and coordination of Sitesafe's AM detuning services. He is the main person responsible for evaluating cellular site candidates for impact on existing AM station operations and ensuring all FCC regulatory compliance requirements are met. Phil brings 40 years of experience with installation, operation, and maintenance of domestic and international radio broadcasting systems—both AM and FM—to Sitesafe's AM detuning group.

- **AM Station Experience.** Phil spent many years as a Staff Engineer and then Chief Engineer for several AM, FM and TV stations in New York, Michigan, and Philadelphia—later becoming the Director of Radio Engineering for 11 group-owned major market AM-FM radio stations. Phil has a first-hand understanding of AM operations and the factors that impact them, including cellular sites and detuning equipment.
- **Regulatory Experience.** For 7 years, Phil was Director of Engineering with Metromedia International, Inc. He built radio stations and networks from the ground up in "hostile" working environments—working with, and turning around, adversarial partner relations for positive results. Phil also was responsible for all due diligence matters with regard to new and existing stations, and negotiated with foreign governments and transmission authorities in a host of regulatory matters. He spent 6 years as a private consultant and project manager working in India and the U.S. During this time Phil engineered and built the first commercial FM stations in India under the Radio City brand—handling project planning, timelines, and overall project assessment and development; he also provided engineering solutions and project management for a variety of U.S. broadcasters, including a project involving installation of a new four tower AM directional antenna and new high power combined FM antenna on top of the Empire State Building. He is familiar with regulatory obligations and knows how to find mutually agreeable solutions to the sometimes complicated matters involving broadcasters, cellular site owners, local authorities, and regulating authorities.

**Matt Butcher, P.E.,** Sitesafe's VP of Engineering and Development, has been with the company for almost 7 years, and is responsible for oversight of all RF engineering work at the company, including AM detuning. He works with Phil to resolve any "special case" issues and helps set company policy on recommended scopes of work and handling of regulatory issues. Matt has 20 years of experience with electrical engineering, RF systems, and computer programming to add to the depth of our in-house engineering staff. His previous work experience includes positions at the Naval Research Laboratory, RMSL Traffic Systems, and Veridian/MLJ, Inc.