

ABOUT US

GWS, headquartered in Dulles, Virginia, USA, is the leading independent benchmarking solutions vendor for the wireless industry.



Since 1996, GWS' wireless experts have driven millions of miles while conducting thousands of market tests to provide unique benchmarking solutions to some of the largest wireless carriers and equipment manufacturers worldwide. GWS offers unmatched solutions for network benchmarking, analysis and testing.

Network Benchmarking Solutions

GWS provides unique competitive voice and packet data benchmarking solutions customized to support the requirements of wireless operators as well as regulators, tower companies and infrastructure vendors. GWS' wireless experts have placed tens of millions of calls and transmitted and received tens of millions of megabytes of mobile data from specially equipped vans that allow engineers to gather critical competitive information associated with network performance.

Voice Benchmarking: comprehensive reports providing in depth competitive analysis on voice networks.

Data Benchmarking: comprehensive reports providing in depth competitive analysis on packet data networks.

MobiStat™: an interactive web based reporting and mapping tool designed to enable users to quickly and efficiently assess network performance.



Network Analysis Solutions

GWS has developed custom analysis and reporting routines and software that support all major wireless technologies and test equipment vendors. No commercial off-the-shelf post-processing platform and no other benchmarking services provider has the same capability to provide accurate and reliable data for a single market or multi-operator, multi-technology testing program like GWS can and does every day. GWS offers services that extract additional value from the data collected in a benchmarking campaign and leverage the competence developed for analysis of network performance information.

Extended Analysis: takes benchmarking to the next level by providing additional in depth, user friendly insight into a market designed to quickly highlight areas where testing indicates the most improvement could be made in a market.

Site Count Estimation: provides market-level site counts and site locations for all carriers in a market using network data collected by the benchmarking test equipment.

Performance Monitoring: an easy to use web based performance monitoring tool, providing access to switch data via a web interface. GWS also offers management and analysis services to evaluate the network performance statistics.

Network Testing Solutions

While delivering world class benchmarking services, GWS has set the standard for data collection and analysis. Development of post-processing enhancements such as removing data collected while the test vehicle is stuck in traffic or where drive routes overlap, and implementation of a fleet management organization capable of supporting multiple simultaneous nationwide campaigns are just a sample of these unique innovations. GWS has applied this knowledge and experience to developing additional valuable Network Testing services.

Drive Testing: services including data collection, optimization, site acceptance and model tuning using test equipment from all major vendors.

In-Building/Venue Testing: comprehensive benchmarking and optimization testing options for in-building and campus environments.

Mobile Diagnostic Apps: GWS has a suite of mobile diagnostic apps that provide easy-to-use, mobile and WiFi network testing tools for the wireless industry including operators, mobile device vendors, regulators, and consumers.

Call Setup Failure Causes

Observations:

- All phones had a large percentage of Access Timeouts, comprised mostly of voice announcements received during call setup.
- Both Op2 phones experienced a large number of Network Failures in downtown City A, but it is indicative of a temporary 2 -day issue rather than a long-standing problem since other days had tested the same general region without incident.

