Benefits

- Reduced labor costs with a complete and flexible product suite that supports all major technologies in a single unit.
- A single source of service expertise to meet a range of testing needs across multiple platforms and equipment.
- Quickly identify issues and achieve solutions using accurate analytics and comprehensive metrics.
- Accomplish more in less time with optimized tests and reports through each phase of the network life cycle.
- Keep customers satisfied and increase revenue potential as a result of precise in-building network optimization.

PCTEL RF Solutions products are protected under the following U.S. patents:
7,272,126; 7,236,746; 7,050,755; 7,013,113; 6,950,665; 6,931,235; 6,917,609; 6,816,709; 6,609,001; 5,819,177; 6,091,715; 7,639,985; 7,019,691; 7,301,920.

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RF Solutions | In-building

Data usage continues to swell, with nearly 80 percent of traffic originating indoors.

Offices, transportation hubs, entertainment venues, hotels, and other large indoor facilities are densely populated with data users that expect excellent coverage everywhere. Meeting these in-building coverage demands can be difficult from a deployment and testing perspective. Limited property access and multi-carrier requirements can make testing challenging, while the high interference potential of multiple in-building antennas can complicate deployment. Accurate tools and experienced personnel are required to achieve precise testing, identification and resolution to the problems that threaten expected Quality of Service (QoS).

Products
SeeHawk® In-Building Test Suite (IBTS) incorporates one or more SeeGull® scanning receivers with the SeeHawk Drive & Walk Test Application and Indoor Kit to form a complete in-building testing solution.

PCTEL’s industry-trusted SeeGull scanner products provide high data density and dynamic range that simultaneously collect data across multiple bands and technologies in a single walk test. This minimizes building access requirements, total test time, and — most importantly — costs. SeeHawk Drive Test Application displays data in customizable formats that are easy to understand and analyze, transforming metrics into informed decisions that improve the in-building network. The Indoor Kit includes a battery that supports more than four hours of walk test time and a side pack or backpack for carrying convenience. SeeHawk IBTS — your single answer for successful in-building testing.

Solution
Testing during all phases of the network life cycle is critical for efficient in-building optimization, especially with Distributed Antenna Systems (DAS) deployment.

Investing in testing to achieve accurate and detailed measurements can have high returns. Immediate impact is possible by quickly transforming enhanced measurements to improved coverage, while there is long-term value opportunity in customer satisfaction and increased revenue. PCTEL’s products excel at delivering these comprehensive RF testing capabilities. When these products are matched with services from our expert team, an integrated solution comes together that maximizes the potential of your in-building wireless deployment for capacity, coverage, and user experience.

Services
PCTEL’s engineering services team can address and solve in-building coverage challenges quickly and efficiently.

Our team of experts includes multiple postgraduates with decades of cumulative experience and advanced knowledge of all major RF technologies. Their expertise with scanning receivers, transmitters, in-building design, and post-processing tools, combined with industry leading product design and analytics, result in best-in-class testing to achieve precise and accurate measurements. We provide actionable information for continued optimization of networks while delivering unsurpassed in-building design and test services for our customers.
RF Solutions  |  In-building

Problem

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