



About octoScope

OctoScope provides consulting and product development services focused on wireless communications, including Wi-Fi, LTE, WiMAX, UMTS and UWB. We are also experienced with copper and fiber optic systems.

We are knowledgeable in the area of test methodology, automation and test equipment development. We can specify and measure performance of wireless products.

We are currently working on the test and performance requirements of new generation mobile platforms, such as handsets and netbooks. These devices are a challenge to test since they add new dimensions to use-cases, including simultaneous operation of multiple radios (GSM, CDMA, WCDMA, LTE, Wi-Fi, Bluetooth, GPS, etc.) and support for a variety of mobile and multimedia applications.

Established in 2006, octoScope is a young fast-growing company. Our work speaks for itself and our [clients](#) are available to provide references.

Our [wireless CTO services](#) include:

- ✓ Product architecture
- ✓ Product advocacy
- ✓ Performance testing
- ✓ Competitive analysis
- ✓ Industry standards work
- ✓ Patent development , analysis
- ✓ Investor due diligence

We closely track the trends and new developments in the wireless industry through active work on 4G standards at IEEE and 3GPP. We frequently present at industry conferences and publish articles in technology journals.

Our [team](#) has extensive experience with wireless networking technologies.

Our [product development services](#) include:

- ✓ RF, analog and logic hardware
- ✓ High frequency PCB layout
- ✓ Antenna systems
- ✓ Embedded software
- ✓ Test and test automation

Our design engineers are thorough and creative, with 20+ years' average experience. We hire smart people who know how to get things done.

A partial list of projects

Architecture of a wireless network and antenna system for controlling mobile robots

Design of RF measurement subsystem for qualifying GaN, GaAS and LDMOS devices

Design of envelope-tracking power supply for a wideband 3G/4G power amplifier

Analysis of front-end RF IC design as part of due diligence

Development of throughput and QoS measurement software to qualify wireless communications for mobile robotic equipment

Development of test automation software

Competitive analysis of network test products

Architectural analysis of a fiber optic system



Products



Articles
Reports
Seminars

Our product development skills bring technical depth and practical thinking to CTO services. CTO expertise makes us informed product developers familiar with market requirements.

We see the forest and the trees