At Microlab, we take quality very seriously. This is reflected in our market leading product line of low PIM solutions that require the highest level of precision to provide optimal performance. Critical to our success is the inter-relationship of key design and manufacturing processes allowing Microlab to offer the highest quality products in the industry.

Our Quality Management System is registered with TUV SUD America to ISO 9001:2015 (Certificate number 951 12 6178). Microlab personnel are certified IPC specialists to the IPC J-STD-001 standard.

We provide products and services that exceed industry standards. This is driven by our understanding of the market needs, stringent design guidelines, component selection, personnel training, supplier partnerships, process controls, product validation, and our measurement and analysis systems.

**Reliability and Durability**

Reliability and Durability are determined during the design process. Several techniques are utilized to achieve the highest levels possible. These include:

- Proven design techniques
- High quality components and materials
- Electrical, mechanical and thermal component stress derating
- Precision component interfaces
- Utilization of automated assembly processes - Design For Manufacturability
- Stringent design validation and verification testing.

**Industry, Regulatory and Quality Control Requirements**

- RoHS Complaint Product
- ISO 19011 Process and Product Auditing system
- IP Code - Ingress Protection Rating
- IPC J-STD-001 Certified Personnel “Requirements for Soldered Electrical and Electronic Assemblies”
- AS5553 Counterfeit part mitigation program
- Foreign Object Debris (FOD) Mitigation Program
- Instrumentation and equipment conform to ANSI Z540 and ISO 17025
- ANSI/ESD S20.20 Static Control Program
Supply Chain Management
Our goal is to optimize the potential of the supply chain while developing a long term mutually beneficial relationship to ensure continued source of supply for our customers. Microlab’s Supply Chain Management approach systematically integrates technology, quality, cost and logistics.

5 Stage Supplier Selection and Control Process:
- Product and Market needs assessment
- Supplier selection
- Supplier System qualification
- Supplier product and process qualification
- Measurement and analysis

Manufacturing Process Control
Manufacturing practices consist of reducing process variation and validating product conformance to design requirements. Microlab achieves these activities through:

- 100% Acceptance Testing
- Process optimization using LEAN principles and 5S workplace organization
- Process Failure Mode Effects Analysis - Risk Assessment
- Mistake proofing operations
- Utilization of Robotics
- Special Process Qualification
- Measurement and Analysis

Product Quality that Satisfies your Business and Application Needs
The Senior Leadership Team and staff of Wireless Telecom Group (WTG) are committed to market leadership in quality, engineering and service for measurement instrumentation and network solutions in the advance communication industry.

Using a structured, systematic framework as defined by ISO 9001:2015 Quality Management System (QMS) principles and requirements, the Wireless Telecom Group shall:

- **Assess the Quality Policy and QMS** regularly to ensure alignment with the business environment.
- **Meet our customers’ expectation** to deliver innovative, compliant, high quality, reliable products, on time.
- **Obtain customer views and opinions.** Listen to customers’ needs, expectations and satisfaction.
- **Maintain business systems** which monitor, control and improve our products, services and processes.
- **Develop staff** with the knowledge, tools and skills necessary to achieve continued success.
- **Evaluate and analyze data** to support business decisions and direct strategic initiatives.
- **Leverage supplier partnerships** which extend and complement our own capabilities.
- **Comply with relevant laws** and regulatory requirements wherever our products are deployed.

![TUV SUD Certification](image)

**Our Quality Policy**

America

DIN EN/ISO 9001-2015

Cert. No 951 12 6178