



# System Engineer – Antenna Measurement Systems | UAN - 6B51B1

**Department: System Engineering / Antenna Measurement Systems**

**Location: Warminster, PA, United States**

**Type: Full Time**

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## About the Role

We're looking for a System Engineer – Antenna Measurement Systems to act as the technical authority for advanced antenna measurement systems, with a strong focus on spherical near-field and multi-probe technologies used in defense and space applications. In this role, you will define, drive, and deliver the overall system technical solution in line with customer requirements, performance objectives, quality standards, schedule, and cost. This is a great opportunity for an RF-focused systems engineer who can lead multi-disciplinary technical execution and serve as the primary technical point of contact for customers.

## About MVG

MVG – Microwave Vision Group – is the global leader in electromagnetic field measurement solutions. With 400+ employees, offices across 4 continents, and over 25 years of consecutive growth, we help the world's most innovative companies test, validate, and push the boundaries of wireless technology. Our mission: Testing Connectivity for a Wireless World.

Join us to shape the future.

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## Responsibilities

Define and own the system architecture for spherical near-field and multi-probe antenna measurement systems.

Translate customer requirements into accurate, compliant, and optimized measurement system solutions.

Lead the technical execution of Engineering Work Packages across mechanical, RF, software, chamber, absorber, and instrumentation domains.

Prepare and lead technical quality gates, including PDR, CDR, FDR, ATP, and SAT.

Ensure alignment with antenna measurement standards, measurement accuracy objectives, repeatability requirements, and overall system performance.

Manage specification deviations, technical recovery paths, system risks, BOM consistency, configuration management, version control, and traceability.

Collaborate with the Program Manager, customers, and multi-disciplinary teams to improve accuracy, robustness, cost, and schedule.

## Requirements

Master's degree in Electrical Engineering, RF Engineering, or a related field.

Minimum 4 years of experience in system engineering for antenna measurement or RF test systems.

Background in antenna measurement systems and strong capability in system architecture, integration, and validation.

Knowledge of IEEE 149 and IEEE 1720 antenna measurement standards.

Proven experience leading system-level technical execution in regulated environments.

Strong analytical mindset, structured problem-solving approach, and excellent communication and customer-facing skills.

Ability to lead through influence and technical credibility, with willingness to travel up to 25% of the time.

U.S. Person status as required for compliance with U.S. export control regulations, including ITAR and/or EAR.

## Nice to Have

Experience with spherical near-field and/or multi-probe measurement systems, including near-field to far-field transformations and measurement uncertainty concepts.

Experience working with defense or space customers and familiarity with ECSS, MIL-STD, or equivalent standards.

Experience using PDM/PLM systems for configuration management, version control, and complex system BOM management.

Proficiency with MATLAB, EM simulation tools, and/or SystemVue, plus experience leading multi-disciplinary technical teams.

### **How to Apply**

Send your CV and a short cover note to [careers@mvg-world.com](mailto:careers@mvg-world.com) with the subject line: System Engineer – Antenna Measurement Systems – Application. For questions or more information, contact Vanessa Smith at [vanessa.smith@mvg-world.com](mailto:vanessa.smith@mvg-world.com). We look forward to hearing from you!

*MVG - Testing Connectivity for a Wireless World*