



System Engineer – Antenna Measurement Systems | UAN – 6B51B1

Department: Engineering

Location: Office / MVG, Inc (Warminster, PA)

Type: Full-time

About the Role

As a System Engineer at MVG, you will serve as the technical authority for advanced antenna measurement systems, with a focus on spherical near-field and multi-probe technologies for defense and space applications. You will define, drive, and deliver system-level technical solutions that meet customer requirements, performance targets, quality standards, schedule, and cost objectives. This role is ideal for an experienced RF or electrical engineering professional who can lead multidisciplinary technical execution and act as a credible customer-facing expert.

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.

Responsibilities

- Define and own the system architecture for spherical near-field and multi-probe antenna measurement systems.
- Lead the technical execution of Engineering Work Packages across Mechanical, RF, Software, Chamber, Absorber, and Instrumentation disciplines.
- Drive the translation of customer requirements into compliant, optimized measurement system solutions aligned with performance, quality, schedule, and cost objectives.
- Ensure system alignment with antenna measurement standards, including IEEE 149 and IEEE 1720, as well as measurement accuracy, repeatability, and overall performance goals.
- Manage technical quality gates including PDR, CDR, FDR, ATP, and SAT, ensuring readiness, traceability, and compliance.
- Collaborate with the Program Manager as the senior technical partner, supporting technical leadership, risk mitigation, and decision-making.
- Implement configuration management, version control, BOM consistency, and technical traceability across the full system lifecycle.

Requirements

- Master's degree in Electrical Engineering, RF Engineering, or a closely related discipline.
- Minimum 4 years of experience in system engineering for antenna measurement systems or RF test systems.
- Strong background in antenna measurement systems, including 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.
- Ability to act as the primary technical point of contact for customers, with excellent communication and customer-facing skills.
- Willingness to travel up to 25% of the time and ability to comply with U.S. export control requirements as a U.S. Person under ITAR/EAR regulations.

Nice to Have

- Experience with spherical near-field and/or multi-probe measurement systems.
- Understanding of 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.
- Proficiency with Matlab, EM simulation tools, and/or SystemVue, plus experience using PDM/PLM systems for configuration management and complex BOM control.

How to Apply

Send your CV and a short cover note to careers@mvg-world.com with the subject line: 6B51B1 - System Engineer – Antenna Measurement Systems. We review applications on a rolling basis and aim to respond within two weeks. We look forward to hearing from you!

MVG - Testing Connectivity for a Wireless World

Special note: This role may require eligibility for access to classified or sensitive information under applicable national security laws. Possession of an active clearance is not required, and the company may conduct necessary background checks or request supporting documentation in compliance with applicable laws and regulations.