



## RF Integration Engineer – Multi-Probe Array Systems | UAN – E673E7

**Department:** Engineering

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

**Type:** Full-time

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### About the Role

As an RF Integration Engineer, you will lead the end-to-end deployment, integration, calibration, and validation of MVG's Multi-Probe Array measurement systems for aerospace and defense customers. This hands-on field role is ideal for an RF engineer who thrives in dynamic environments, enjoys solving complex signal integrity and measurement challenges, and is comfortable with 50–75% domestic and international travel.

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### 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

- Lead installation and commissioning of Multi-Probe Array systems at customer sites, MVG factories, and global locations.
  - Implement RF hardware integration, including RF boxes, cables, connectors, probes, positioning systems, and control/data acquisition equipment.
  - Ensure system performance through RF checks, S-parameter and radiation pattern testing, and calibrations using VNA/PNA, spectrum analyzers, and calibration kits.
  - Drive troubleshooting of RF issues such as reflections, losses, interference, signal integrity problems, and calibration deviations in real-world environments.
  - Collaborate with project managers, systems engineers, and field technicians to coordinate deployments, site surveys, FAT/SAT activities, and customer acceptance.
  - Develop clear installation records, calibration reports, performance validation documentation, non-conformance reports, and lessons learned.
  - Ensure compliance with OSHA, MVG, and customer site safety requirements, including ESD, RF exposure limits, lifting, rigging, and electrical safety protocols.
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### Requirements

- 3+ years of hands-on experience in RF system integration, testing, or installation, ideally with antenna measurement systems, radar, wireless communications, or defense electronics.
- Strong understanding of RF principles, including impedance matching, signal propagation, network analysis/S-parameters, RF calibration techniques such as SOLT, TRL, and electronic calibration, and antenna measurement fundamentals.
- Proficiency using RF test equipment, including Vector Network Analyzers (VNA/PNA), spectrum analyzers, signal generators, power meters, RF cables, connectors, and calibration kits.
- Experience with RF measurement software or data analysis tools such as MVG proprietary tools, LabVIEW, MATLAB, or Python, with the ability to interpret RF test data and adjust systems accordingly.
- Willingness and ability to travel 50–75% domestically and internationally, including U.S. customer sites, MVG facilities, and MVG's factory in France.
- Excellent troubleshooting, written and verbal communication, customer-facing support, and technical reporting skills in high-pressure field environments.
- U.S. Citizenship required for security clearance eligibility, plus ability to lift 50+ lbs and work in anechoic chambers, outdoor test ranges, and factory floors.

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### Nice to Have

- Associate's or Bachelor's degree in Electrical Engineering, RF Engineering, or a related field, or equivalent experience.
- Experience with Multi-Probe Array systems, phased array technologies, defense/aerospace RF measurement systems, RCS, EW, or radar testing.
- Knowledge of mechanical or robotic positioning systems, antenna positioners, motion control, and safe operation of hoists or lifts.
- Familiarity with RF simulation tools such as CST, FEKO, or ADS, and basic programming in Python, MATLAB, or LabVIEW for automated testing and data analysis.

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### 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: E673E7 - RF Integration Engineer – Multi-Probe Array 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.*