



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

Department: Engineering / RF Systems Integration

Location: Warminster, PA

Type: Full-time

About the Role

We're looking for an RF Integration Engineer – Multi-Probe Array Systems to support the end-to-end deployment of MVG's advanced Multi-Probe Array measurement systems for aerospace and defense customers. In this hands-on field role, you will integrate, calibrate, validate, and troubleshoot RF systems while working closely with project managers, systems engineers, field technicians, and customers. This is a great opportunity for an RF engineer who enjoys solving complex technical challenges in dynamic environments and is comfortable with frequent domestic and international travel.

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

Lead the installation, integration, and commissioning of Multi-Probe Array systems at customer sites, MVG factories, and global locations.

Deploy and integrate RF hardware, including RF boxes, cables, connectors, probes, positioning systems, and data acquisition equipment.

Perform RF performance checks, system-level calibrations, and validation testing using VNA/PNA, spectrum analyzers, and related equipment.

Troubleshoot signal integrity, reflection, loss, interference, and other RF issues in real-world field environments.

Train customers on system operation, maintenance, and basic troubleshooting during installation and acceptance phases.

Document installation procedures, calibration results, performance validation reports, lessons learned, and customer feedback.

Ensure compliance with MVG, OSHA, and customer site safety requirements, including ESD, RF exposure, rigging, lifting, and electrical work protocols.

Requirements

3+ years of hands-on experience in RF system integration, testing, installation, or related environments such as 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, and antenna measurement fundamentals.

Proficiency with RF test equipment such as Vector Network Analyzers (VNA/PNA), spectrum analyzers, signal generators, power meters, RF cables, connectors, and calibration kits.

Experience using RF measurement software such as MVG proprietary tools, LabVIEW, MATLAB, or Python for data analysis and automated testing.

Ability to interpret RF test data, including S-parameters, radiation patterns, and RCS measurements, and make technical adjustments as needed.

Willingness and ability to travel 50–75% domestically and internationally, including U.S. customer sites, MVG facilities, and MVG's factory in France.

Strong troubleshooting, communication, technical reporting, and customer-facing skills in high-pressure field environments.

Ability to lift 50+ lbs, work in field environments such as anechoic chambers, outdoor test ranges, and factory floors, and meet U.S. citizenship requirements for defense contract security clearance eligibility.

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, or mechanical/robotic positioning systems.

Familiarity with RF simulation tools such as CST, FEKO, or ADS.

Experience with defense or aerospace RF measurement systems, including RCS, EW, or radar testing.

How to Apply

Send your CV and a short cover note to careers@mvg-world.com with the subject line: RF Integration Engineer – Multi-Probe Array Systems – Application. We review applications on a rolling basis and aim to respond within two weeks. We look forward to hearing from you!