



Job Description RF TEST TECHNICIAN

Full Time Position

Supervisor: Test Manager

Position Description:

The Radio Frequency (RF) Test Technician will support the manufacturing organization through performing alignment, troubleshooting, and characterization of RF and Microwave circuits. This role is responsible for executing test plans, troubleshooting high density component RF circuitry, and generating accurate test data intended for internal and external customer use. Set up standard or automated test equipment to conduct functional, operational, environmental, and life tests to evaluate performance and reliability of prototype or production assemblies. Analyze test results and repair or adjust assemblies according to analysis. Recommend corrections and improvements to test procedures to simplify testing and/or assembly processes.

Major Responsibilities Include:

- Conduct functional tests to measure the performance of production electronic systems, assemblies, and sub-assemblies.
- Test commercial and complex (mil-spec) electronic assemblies with pre-production or prototype documentation.
- Compare test results with specifications and accurately record test data.
- Analyze defective units to determine root cause of failure.
- Help develop processes, tooling and fixtures as required.
- Ensure that all test equipment calibration requirements are maintained.
- Effectively manage time, and complete all tasks as assigned by the supervisor.

Educational Experience:

BS or Associate's degree (A.A.) from accredited college or technical school in Electrical Engineering or similar discipline (EE/EET/ME preferred), **or** equivalent military training in Electronics Engineering Technology or related field, **and** five years related experience.

Experience/Technical Requirements:

- Technical knowledge and skills in troubleshooting down to the component level; solid understanding and working knowledge of RF test equipment such as

Network Analyzers, Spectrum Analyzers, Data Error Analyzers, RF generators, etc.

- Strong component-level troubleshooting skills.
- Experience at performing various RF characterization measurements such as; Phase Noise, Spectral Characterization, Noise Figure, RF Power and Bit Error Rate.
- Experience in alignment and troubleshooting of various RF circuits such as: Modulators, RF amplifiers, Diplexers, Filters, Oscillators, Synthesizers, etc.
- RF experience to 8 GHz troubleshooting skills are desired.
- Knowledge of electrical test methodology (e.g., stand alone bench, automated, functional test), planning, procedures, equipment (e.g., multimeter, oscilloscope, bus analyzer, automated test systems) and result validation criteria (e.g., pass/fail, control limits, tolerances).
- Knowledge of manufacturing work flow and MRP systems or similar.
- Knowledge of Microsoft Office Suite (Excel, Word).
- A general understanding of the production of printed wiring assemblies is desirable but not required.

Other Requirements:

Must be able to multitask in a fast-paced environment effectively. Must have a positive attitude with a desire to excel in a team-oriented culture. Availability and willingness to work alternate shifts as necessary is required.

Physical Demands

Must have good color perception, eyesight, and the ability to effectively use magnification aids such as binocular microscopes and related test equipment. Must have good hand-eye coordination, and the ability to use basic hand tools. Must be able to comfortably lift up to 25 pounds. While performing the duties of this job, the employee is regularly required to sit; use hands, reach with hands and arms, bend and twist to lift and reload items, and talk or hear.

This position may require exposure to information which is subject to US export control regulations, i.e. the International Traffic in Arms Regulations (ITAR) or the Export Administration Regulations (EAR). All applicants must be U.S. persons within the meaning of U.S. regulations.