

## **EMC RF Test Engineer**

### **Essential Duties:**

- Performs EMC, RF, MPE and SAR measurements in RF semi and full anechoic chambers
- Design of RF and uW measurement systems and setups for performance validation of transmitters
- Creates and maintains control s/w for testing purposes using Labview / Python or other appropriate s/w. Provides instrument control software assistance
- Is responsible for the proper test-setup and calibration of engineering testing setups
- Is responsible for preparing, maintaining and upgrading the testing facilities including Chambers
- Performs verification and in-house calibrations of antennas, cables, filters, two-port devices, amplifiers, CDN's, LISN's and other RF devices
- Is responsible for maintaining the test equipment calibrated in accordance with the recommended schedule. (Communication with service providers, ship and receive equipment to and from the calibration providers and verification of the calibration services prior to placing in service)
- Generates Test and Measurement reports per industry standards
- Is responsible for installing, maintaining and upgrading instrument software and or firmware

### **Qualifications:**

#### **Mandatory:**

US Citizen or US Permanent Resident.

Minimum of a BSEE or Physics with strong hardware and software design

Minimum of 4-years of work experience in Test and Measurement instrumentation related to EMC and RF

Strong work experience with Python, C++, Labview, SPICE and other instrument control and circuit analysis programs

Expert knowledge of Analog circuits, Digital circuits, RF and microwave circuits, Power Systems

Ability to investigate, debug, isolate and repair electrical and electronic circuits

Proficient with office programs such as Microsoft, Adobe, etc.

Excellent communication skills and excellent command of English

Well organized and detailed oriented

Good electromechanical skills

Knowledge in the safe operation of machinery and electrical tooling

#### **Desired:**

Experience in Safety, Analog, Optical, Sensors, and or Lighting a strong plus

Familiar with regulatory compliance regulations is a plus

Knowledge of NEC and UL/IEC electrical and wiring rules and practices is a plus

Experience with ISO 17025 is a plus

**Hans T. Mellberg | Sr. Director Regulatory Affairs| Energois Corporation | 408.507.9694 mobile | 408.963.0235 direct**