

# JAMES A. TAYLOR

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## PROFILE

Highly accomplished and results driven technician with broad based experiences in Radio Systems Technology including Commercial and RF 2-Way Public Safety Radio Systems. RF power ranging in power levels from milli-watts to kilowatts. Trouble-shooting to box and component levels using various tools, techniques and test equipment. Possesses skills in soldering, prototyping, populating bare circuit boards and racking of equipment. Additionally, familiar with tuning and repairing cavity combiners, duplex cavities, and band pass and band reject cavity networks. Often recognized for the capacity to build and maintain solid relationships with customers and co-workers, able to interact effectively with all levels of staff and management. Resourceful problem solver who has a positive attitude, combined with outstanding organizational and analytical skills, intense work ethic, strong sense of responsibility and the ability to execute a variety of tasks with a high degree of honesty and integrity.

## AREAS OF EXPERTISE

RF Systems • Maintenance and Repair of Equipment • Accomplished BDA RF Interference Tracking • Trouble-Shooting • Testing • Prototyping • Racking of equipment Components • Electrical and Mechanical Skills • Team Member • Safety • Problem Solving • Time Management • Organizational Skills • Multi-tasking • Computer Skills, including Excel, Word, and CAD programs • Oral and Written Communications Skills

## PROFESSIONAL EXPERIENCE

**Motorola Solutions, Inc.**, Schaumburg, IL

**Sr. Systems Technologist**

Jan 2011 to Present

- Work closely with test equipment suppliers to develop interfaces between Motorola radio systems, and the vendors test equipment to semi automate tests.
- Develop various tracking methods to find and resolve interference from unknown radio sources to customer as well as Motorola in-house factory communications systems.
- Work closely with Systems Technologist teams and team members on various Public Safety as well as petro chemical P-25 radio systems in the US and Canada.

**Motorola, Inc.**, Schaumburg, IL

**Sr. Field Systems Engineer**

Mar 2001 to Jan 2011

- Provided day to day operations for a Wisconsin based electric power utilities private iDEN (Nextel Technology) Radio Communications systems.
- Responsibilities included daily operations of the Mobile Switch Office (MSO) as well as resolving T-1 comm links to radio tower sites to box and module level.
- Resolved Tower Site equipment failures to box and module level.
- Worked with the Central Dispatch Centers console operators equipment to diagnose and repair failures to the component level.
- Resolved radio systems coverage complaints, using field measurements, to calculate and show system Performance to be in or out of previously Systems Engineered predictions and make recommendations for proper corrective action as required.

**Motorola, Inc.**, Schaumburg, IL  
**International Field Systems Engineer**

Jan 1996 to Mar 2001

- System design of iDEN Communications radio tower sites.
- Establish MSO rack positions based on customers floor plans.
- Determine cable tray requirements and layout based on rack and floor plan positions.
- Layout Racking requirements for MSO equipment hardware based on overall systems design.
- Traveled and worked in Mexico, Brazil, Argentina, Columbia, and Morocco to provide Field Engineering support.

**Motorola, Inc.**, Ft. Worth, TX  
**Sr. Field Technical Representative**

May 1994 to Jan 1996

- Managed day to day work assignments for a group of 7 Field Technical Representatives assigned to major paging system customer systems and infrastructure.
- Worked with systems development engineering to develop the h/w and infrastructure for a nationwide ack back paging system centered around transmitters developing 1.9KW PEP using 24 V DC dipolar devices.

**Motorola, Inc.**, Schaumburg, IL  
**Sr. International Field Systems Engineering Manager**

Jan 1993 to May 1994

- Directed the daily operations of the field engineering group located in Taipei Taiwan on a \$M56 nationwide paging system project.
- Staff comprised of 15 direct reports consisting of individuals of 4 different nationalities.
- Devised methodology to measure actual to predicted coverage for contractual coverage obligations performance.

### **PREVIOUS RELATED EXPERIENCE**

**Motorola, Inc.**, Schaumburg, IL  
**Installation Technician to Sr. Field Service Engineer**

Nov 1979 to Jan 1993

**General Telephone and Electronics (GTE)**, Valparaiso, IN  
**Central Office Radio Technician**

Mar 1979 to Nov 1979

**Motorola Inc.**, South Bend, IN  
**Sr. Field Technician**

Mar 1975 to Mar 1979

**Kawneer Corporation Inc.**, Niles, MI  
**Factory Industrial Electrician**

Feb 1974 to Dec 1974

### **OTHER PROFESSIONAL EXPERIENCE**

As part of an International engineering group within Motorola, work assignments provided opportunities to work in 29 foreign countries over a span of 25+ years.

#### **EDUCATION**

**Michigan Technological University**, Houghton, MI  
Under graduate studies in Electrical Engineering Technology

#### **LICENSES/Certifications**

GROL FCC license  
Amateur Radio Extra Class License  
PADI Scuba Diving

#### **Other Interests - Aviation**

Owner/Partner in restoration of WWII B-25 Bomber to Airworthiness.