



## RF Engineer

### Details

Design and development of various RF components and assemblies from 1 GHz to 60 GHz to meet customer requirements and specifications.

Modify existing designs as required and generate test procedures.

Conduct and supervise prototype development and testing using microwave test and measurement equipment.

Communicate and work effectively with Mechanical and Electrical Engineers, Machine Shop, Manufacturing, and Quality to ensure designs are suitable for manufacturing.

### Requirements

BSEE or MSEE with RF/microwave concentration and/or 5 years plus experience in the design and test of microwave passive components.

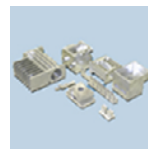
Strong hands-on experience with RF components

Experience with HFSS preferred.

Knowledge of automated test and data acquisition a plus.

Must be customer focused, results oriented, and a good team player.

Ability to obtain Security Clearance - US citizenship required.



### Benefits (Full-Time Employee)

MAG offers competitive benefits including health/dental/vision/life insurance/long-term disability, paid vacation and holidays, and a 401k program. Resumes may be sent to [personnel@magsmx.com](mailto:personnel@magsmx.com) or the address at the bottom of the next page.

MAG is located in a park-like setting in the beautiful Santa Maria Valley, nearly mid-way between Los Angeles and the San Francisco Bay Area, on California's Central Coast. MAG is easily accessible from all areas in Santa Barbara and San Luis Obispo Counties.

MAG continues to develop new products using proven ferrite technology, and looks forward to advancing the state of the art of microwave components and subsystems.





## Company and Products

Microwave Applications Group (MAG) has a proven record of creativity and innovation in microwave component and subsystem design for government, military, and commercial applications. MAG has been at the forefront of electronically-steered radar technology, especially in ferrite-based devices. Programs utilizing MAG designed and produced products over the last 40+ years are well-known and continue to operate successfully on land, sea, and in the air. These radar programs include:

- APQ-164 B-1B Offensive
- APQ-181 B-2
- APS-143 CP-140 Imaging
- APY-1/2 E-3 AWACS
- AR320 3D Air Defense
- ASARS-2
- ASTOR
- Global Hawk
- MPN-14K Landing Control
- RAC 3D Air Defense
- Skyshield 35 Air Defense
- Smart-L 3D Air Defense
- SPN-35C Approach Control
- SPQ-9B Surveillance / Tracking
- TRS-3D Multimode
- TRS22XX 3D Air Defense
- ZPQ-1 Predator TESAR



MAG was founded as a California corporation in 1969 to serve the government/aerospace/commercial market with high-technology microwave component and system activities from applied research through volume production.

Early growth of the company was made possible by the development at MAG of “Dual-Mode” and “Rotary-Field” ferrite phase control elements, the latter of which was subsequently used in electronic steering of the antenna for the USAF/Westinghouse E-3 Airborne Warning and Control System (AWACS) radar. MAG provided engineering services and hardware items throughout the feasibility study and engineering model phases of the AWACS program and continues as a supplier of hardware for production phase AWACS antennas. MAG also developed and supplied items for the Electronically Agile Radar (EAR), a USAF-sponsored program which served as a prototype for the B-1B APQ-164 Offensive Radar System. MAG subsequently received the contract to support the production of the Phase Control Modules (PCM's) for the B-1B Radar System and successfully produced in excess of 130,000 PCM's.

