

Job Description: RF Engineer

Job Opening: April 2010

General Job Requirement:

This position, reporting to the Director of Solutions and RF Engineering is responsible for leading the development of professional in-building designs and quotations. He/She will need to ensure the creation of consistent professional high quality budgetary and final design and quotes that are competitively priced while allowing MobileAccess Networks to make a reasonable margin on equipment and services.

The successful candidate will manage budgetary quotes, budgetary designs, site surveys and final designs, and quote deliverables. Additionally, this individual will become a Subject Matter Expert for all technical and market issues related to the MobileAccess Product Family.

Education, Experience and other Qualifications/Training desired:

- Background in Wireless/Mobility/Cellular networks and Networking/Internetworking devices, protocols and operating systems
- Thorough understanding of Cellular technology and trends
- Understanding of Wi-Fi technology and trends
- Experience designing, managing, and selling both carrier and enterprise wireless deployments.
- A technical understanding of networking protocols and security mechanisms.
- A strong understanding of carrier network architectures used today to deliver data/voice/video services.
- A demonstrated ability to learn new products/technologies and quickly provide leadership in the product development process, including a structured product lifecycle process.
- A total 5 years experience in telecommunications, in such positions as System Engineering and/or System Optimization.
- Technical BS or equivalent required, Technical Masters Degree preferred.

Essential Duties and Responsibilities include:

1. Designing in-building distributed antenna systems. Specific responsibilities include:
 - Interfacing with sales and customer representatives to determine coverage requirements and customer needs.
 - Completing RF surveys to determine path loss characteristics using various RF test equipment and tools.
 - Developing and analyzing RF link budgets to ensure recommended solution meets requirements in an optimal & economical manner.
 - Drafting competitive customer proposals describing recommended coverage solutions, including accurate lists of materials and services, statements of work, etc.
 - Accurately presenting design solutions through the use of such tools as IBWave, Wireless Valley, AutoCAD, and Visio.
2. Supporting the regional Project Manager to successfully implement the RF design. Detailed tasks include:
 - Making adjustments to the design to work around difficult site problems at a minimal cost to the customer and/or project.
 - Working with the technical support staff to address and solve problems to customer's satisfaction.

- Developing custom documentation to assist the Project Manager and/or subcontractors completing the system installation.
 - Providing customer training on equipment to ensure it can be properly maintained by the local technical staff as requested.
3. Participating as an active team member of the Services group. Specific responsibilities include:
- Working with other team members as needed to complete proposals and projects competently and efficiently.
 - Cooperating with regional sales representatives to address customer concerns in a timely manner.
 - Promoting MobileAccess products and services to potential customers.
 - Assisting other team members in reviewing design/project execution and lessons learned to promote overall health and growth of MobileAccess.