Position Summary

Provides radio frequency (RF) and/or wireless transmission design. Designs, plans and oversees installation and maintenance of wireless radio communications systems, including radio propagation modeling and prediction, microwave path analysis, interference analysis, frequency coordination, cell site equipment layout, parameter definition, and ancillary equipment. Uses skills as a seasoned, experienced professional with a full understanding of industry practices and company policies and procedures. Resolves a wide range of issues in imaginative as well as practical ways. Works on problems of diverse scope where analysis of data requires evaluation of identifiable factors. Demonstrates good judgment in selecting methods and techniques for obtaining solutions. Interacts with senior internal and external personnel.

Additional Position Information

Sprint is looking for an RF Engineer III to join the New Technology Planning team. The ideal candidate would be one who have experience with network planning, capacity dimensioning, creating link budgets, excellent understanding of wireless networks. The candidate should be well versed with existing RAN & Wireless technologies. The candidate should be able to analyze and evaluate complex technical specifications generated by the standard bodies. Candidate should have a deep level understanding on LTE and upcoming RAN technologies.

Roles & Responsibilities

- Develop and evaluate network performance criteria and measurement methods
- Research and analysis of new features and emerging technologies to assess their impact on next generation RF architecture and design
- Evaluate and prioritize features based on their impacts to network design
- Perform engineering feasibility studies to support various deployment scenarios
- Prepare analysis of the short term and long term capacity needs
- Conduct network architecture design and feasibility and cost studies
- Conduct studies to determine impact on network capacity and development plan projections
- Well versed on latest 3GPP standards & RAN features
- An excellent understanding of LTE/5G is desired
- Excellent written and verbal communication skills
- Knowledge on Layer 2 / 3 Technologies
- Leverage tools such as Matlab to run link level simulations