



Position: PIM and Sweep Test Specialist

Reporting to: Test and Measurement Manager

Ridge Communications, Inc. (RCI) is a telecommunications company that provides a full array of network deployment, engineering and operations services primarily for wireless carriers.

At RCI, our employees provide the “quality” differentiator that has afforded Ridge the ability to grow sustainably and prosper. We strive to employ the highest quality talent in order to deliver the highest quality product. If working with a talented and energetic group of people where constant learning is the norm and where surpassing the customer’s expectation is the expectation then Ridge Communications may be the environment for you.

Responsibilities:

The PIM and Sweep Test Technician will work closely with the Project Managers and Installation Technicians. The duties will include, but not limited to:

- Responsible for conducting Sweep, PIM, and Fiber OTDR Testing on tier one wireless carrier sites, multiple technologies
- Perform Sweep test of antennas and coax RF jumpers (Insertion Loss, Return Loss, Distance to Fault)
- PIM Test of antennas and coax RF jumpers
- Perform Optical Time Domain Reflectometer (OTDR) Test on fiber cable
- All tests will be per Customer provided specifications.
- All testing will be conducted utilizing Customer approved Manufacturer test equipment (i.e. Agilent, Anritsu, Fluke, JDSU, etc.)
- All test results will be captured in test equipment’s format, downloaded to computer/laptop. Use test equipment-related software as needed to convert files to pdf format.
- For 850/PCS Swaps: Pre & Post Sweep and PIM test all existing lines
- Completing job related documentation and record keeping.
- Keeping informed on and wearing as warranted, Personal Protective Equipment (PPE)

Skills and Qualifications:

- Basic understanding of the following concepts: Return Loss/VSWR, Passive Intermodulation (PIM), OTDR testing
- Solid understanding of wireless networks, including modulation techniques (UTMS, GSM, LTE plus etc.), amplifier/antenna/cable theory, link budgets, propagation tools, etc.)
- Experience with common equipment including Fiber DAS, Repeaters, Coaxial Cable, CAT 5 Cable, Antennas, Splitters, Fiber Cable, etc.
- Working knowledge of RF test equipment (ie spectrum analyzer)
- Solid skills in Microsoft Office Software (particularly Excel)
- Demonstrated ability to work in a professional manner at all job sites
- Ability to think analytically and to solve complex problems
- Ability to drive performance and execute against plan
- Strong customer service, communication skills and demonstrated ability to work well on a team

Education/Experience

- 7+ years of strongly related experience.
- Sweep Certification, PIM Certification, helpful (but not required).
- 2 year technical degree (ie Engineering Technology, Construction Management) or related technical certification in Construction Management, Electrical Engineering Technology, Telecommunications Technology or related discipline

AND

- 5 years of Installation experience in IT, Cable, Electrical, RF and/or Telecommunications (Cellular Technologies) fields.
- Knowledge of the terminology used in the Test and Measurement Industry