



Global Communication Semiconductors, LLC

Corporate & Foundry
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RF Test Engineer II

Job Req: #0781
Department: RF & Power Technology
Status: Full-Time/Salaried
Shift: Day

Job Description

- Characterization and analysis of transistor devices. Most common measurements are DC curves, S-parameters, noise parameters and Load Pull, up to millimeter-wave frequencies.
- Improvement of devices and technologies through efficient, unique and ever-changing characterization plans. Learning and improving on existing measurement techniques.
- Development of non-linear device modeling by formatting data and extracting device parameters, up to mmW frequencies. From supporting the improvement of existing models, to creating the models with transistor devices of interest.
- Present and organize data efficiently using presentation programs (Excel and PowerPoint) and data analysis programs (Matlab, EEsoft ADS) to extract quantity of interest.
- Keep documentation to build measurement know-how, and facilitate problem solving.
- Technologies utilized include: GaN HEMT (GaN/SiC and SiFET), GaAs HEMT (HBT and FET), switches, resonators, filters, diodes etc.
- Tools used include: Advanced Design System (ADS), MATLAB, IVCAD measurement and analysis tool, xSYMMIC thermal tool, Microsoft Word, Power point, Excel.

Required Experience / Skills:

- Bachelor's degree in Electrical Engineering, Computer Engineering or related fields plus 18 months of experience in radio frequency.
- Knowledge in RF test equipment: Limitations to assembly to right setup for each measurement in relation to what is measured.
- RF Test and Simulation tools (ADS, MATLAB).
- CAD Layout Programs (Klayout/KiCAD).
- Thermal test and simulation tools (xSymmic, Infrascopie TM)
- Data organization software

Location: Torrance, CA

Annual Salary: \$83,000 - \$94,000