

Job Title: RF Design Engineer/Lead

Location: Bengaluru/Bhubaneswar/Ranchi

Experience: 5 - 10 Years

Technical Requirements:

- **RF Circuit Design:** Expertise in the design and simulation of RF circuits such as LNAs, mixers, power amplifiers, VCOs, and filters.
- **Tools & Simulation:** Proficient in using RF design tools (e.g., ADS, HFSS, Cadence Virtuoso) and simulation methodologies for RF circuits.
- **Layout Considerations:** Strong understanding of RF layout techniques, including impedance matching, parasitic extraction, and electromagnetic interference (EMI) management.
- **Antenna Design:** Experience in antenna design and integration within RF systems.
- **System Integration:** Knowledge of RF system architecture, including transceiver design and RF signal chain analysis.
- **Test & Measurement:** Skilled in using RF test equipment (e.g., spectrum analyzers, network analyzers) for design validation and characterization.
- **Regulatory Compliance:** Familiarity with RF compliance standards and regulatory requirements (e.g., FCC, ETSI).

Expectations from the Role:

- **Technical Expertise:** Strong technical expertise in RF design principles and the ability to innovate within challenging design constraints.
- **Collaboration:** Excellent communication and collaboration skills, with the ability to work closely with cross-functional teams.
- **Problem-Solving:** Ability to diagnose and resolve complex RF issues through both simulation and lab measurements.
- **Time Management:** Ability to manage multiple projects simultaneously, ensuring timely delivery of high-quality designs.
- **Leadership:** Potential to lead and mentor junior engineers within the team.