



POSITION DESCRIPTION

POSITION TITLE: RF Design Engineer
REPORTS TO: Hardware Group Manager
LOCATION: Ngauranga, Wellington

Basis for this role

Forms part of the RF Engineering Group and is responsible for the specification, simulation and design of RF/microwave circuits and subsystems for 4RFs wireless radio solutions.

Your duties will include, but not be limited to:

- Capturing and analysing RF circuit and system requirements
- Simulating RF/microwave circuits and subsystems including low noise amplifiers (LNAs), high power and efficient power amplifiers and low phase noise synthesizers
- Supervising board layout and undertaking design reviews
- Debugging and testing prototype circuits and systems to meet agreed performance specifications
- Design documentation
- Constantly be aware of changes in the RF industry and propose/evaluate new devices, circuits and test methodologies that would benefit 4RF products
- Any other tasks as requested by 4RF from time to time

Key requirements:

- BE in Electrical Engineering
- Minimum of 2 years' experience of detailed RF circuit analysis, simulation, design and troubleshooting
- Demonstrate an understanding of digital modulations and how these effect the requirements of RF circuits and communication systems
- Familiar with RF test and measurement equipment such as network analysers, spectrum analysers and signal generators
- Experience with Agilent's simulation tool ADS would be advantageous

Personal attributes:

- Well-developed interpersonal skills and comfortable working in a team environment
- Enthusiastic, thorough, accurate and reliable
- Have lots of initiative and want to excel in this position
- Quick to acquire new skills