

Engineer, Wireless Radio Frequency System Design

Your tasks

Within the Wireless Communication R&D team, we support the development of product systems with an RF based communication link. These RF sub-systems need to be defined, specified, and validated. For the following tasks we are looking for an experienced team member with a hands-on approach and a can-do attitude and ability to develop wireless competence and product system RF integration from first principles.

Responsibilities

- Wireless RF System Concept and RF System Architecture definition and wireless standards development activities.
- Creation of the RF System Specification and Requirements in WORD and DOORS applications.
- Technical presentations and discussions with internal and external customers on Wireless Application and Continental Standards and Processes.
- Coordination of all wireless and RF related development activities within the projects and across different disciplines and different locations.
- Support to product certification and homologation teams for wireless RF related Physical Layer specifications.
- RF Integration on Product level and in Vehicle Application Environment with CANOE and RF Development Benches.
- RF vehicle integration (Vehicle validation measurements, coordination of the validation with the customer and internal contacts, report creation and customer presentations).

Your profile

Requirements

- Master or Bachelor degree in Electrical/ Electronics/ Radiofrequency/Wireless Engineering or other similar.
- Minimum 3 years industry experience in RF development and measurement, 1 year within automotive industry would be advantageous.
- Advanced Know-how and experience in using Radio Frequency System understanding, Electro Magnetic Theory, RF Simulation, Radio Communication standards, and RF Design Validation, and RF Homologation.
- Advanced Experience in RF measurement Techniques and Equipment, RF Signal Generators, RF Spectrum Analyzer, RF Network Analyzer and Instrument Control Software.



Job ID
REF55471F

Field of work
Engineering

Location
Singapore

Leadership level
Leading Self

Job flexibility
Onsite Job

Legal Entity
**Continental Automotive
Singapore Pte. Ltd.**

- Experience and Knowledge in RF System Design, RF Link Budget Estimation,
- Support SW team in RF handling Design and Optimisation.
- Skilled in RF Circuit and Layout simulation (ADS Pathwave), RF Data Analysis with MATLAB and Excel, Design for Reliability (DfR), Failure Mode Effects and Analysis (FMEA), Design for Radio Frequency (DfRF).

- Ability to cope with high workload situation and under time pressure.
- Ability to present themselves and explain technical contents in a structured way, and experience working with international team members.

Our offer

Ready to drive with Continental? Take the first step and fill in the online application.

About us

Continental develops pioneering technologies and services for sustainable and connected mobility of people and their goods. Founded in 1871, the technology company offers safe, efficient, intelligent and affordable solutions for vehicles, machines, traffic and transportation. In 2022, Continental generated sales of €39.4 billion and currently employs around 200,000 people in 57 countries and markets.

The Automotive group sector comprises technologies for passive safety, brake, chassis, motion and motion control systems. Innovative solutions for assisted and automated driving, display and operating technologies, as well as audio and camera solutions for the vehicle interior, are also part of the portfolio, as is intelligent information and communication technology for the mobility services of fleet operators and commercial vehicle manufacturers. Comprehensive activities relating to connectivity technologies, vehicle electronics and high-performance computers round off the range of products and services.