

NAD - Modem HW/RF Engineer in ANS R&D Korea (Telematics)

Descrição da função

NAD - Modem HW/RF Engineer in Architecture and Networking Solutions Korea (Telematics)

Position Overview: The Senior Hardware/RF Engineer to join our Telematics R&D team, responsible for developing next-generation Telematics Control Units (TCUs) for global automotive OEMs. We deliver high-performance hardware platforms that integrate cellular (LTE/5G), GNSS, Wi-Fi, Ethernet, and in-vehicle network technologies, with strict adherence to automotive standards.

This role combines core hardware development with RF design, validation, and integration, ensuring optimal wireless performance under challenging automotive environments.

Responsibilities:

- Design, develop, and validate automotive-grade hardware including schematics and multi-layer PCB layouts.
- Integrate and evaluate RF components: cellular modems, GNSS modules, Wi-Fi/Bluetooth transceivers, antennas, and RF filters.
- Perform RF layout optimization, transmission line matching, and antenna placement analysis for optimal signal integrity and minimal interference.
- Conduct RF testing and troubleshooting using spectrum analyzers, network analyzers, and RF chambers.
- Support EMC and RF compliance testing (e.g., CISPR 25, ISO 11452) in collaboration with test and certification teams.
- Collaborate with software, system, validation, and mechanical engineers to ensure system-level integration and performance.
- Interface with component vendors for RF tuning, design reviews, and module certification support.
- Support hardware bring-up, root cause analysis, and failure resolution across development and validation phases.
- Create and maintain technical documentation: schematics, BOMs, validation reports, and design guides.



Identificação da vaga
REF82442G

Local
Seongnam-si

Nível de liderança
Leading People

Modalidade de trabalho
Hybrid Job

Pessoa jurídica
Continental Automotive Korea Ltd.

Requisitos

- Bachelor's or Master's degree in Electrical Engineering, RF Engineering, or related discipline.
- 7+ years of experience in automotive or embedded hardware development, with at least 3 years focused on RF systems.
- Strong understanding of RF fundamentals: impedance matching, S-parameters, return loss, and radiation patterns.
- Experience with tools such as Altium, OrCAD, ADS, CST, or HFSS for hardware and RF simulation/design.
- Hands-on experience with oscilloscopes, spectrum analyzers, VNA, signal generators, and RF measurement tools.
- Familiarity with cellular (LTE/5G), GNSS, Wi-Fi, and Bluetooth modules and RF design practices.
- Knowledge of vehicle network protocols (CAN, LIN, Ethernet) and power management systems.

O que oferecemos

- Please kindly submit your Resume via Application Form.
- Application Form Download Link
: <https://c.smartrecruiters.com/sr-company-attachments-prod-aws-dc-5/61711815ada8a04e3608a8c0/e347e296-af65-4fcb-9fa1-11b1b48b19d2?r=s3-eu-central-1>

Ready to take your career to the next level and join us at the start of something extraordinary? Apply now to become a part of AUMOVIO and drive the future mobility together with us!

Quem somos

Continental's Automotive group sector is expected to be listed as independent company "AUMOVIO" in September 2025. With ~93,000 employees worldwide and annual sales of ~€20 billion, we are entering an exciting new era.

AUMOVIO stands for highly developed electronic products and modern mobility solutions. In addition to its strong market position with innovative sensor solutions, displays, and technologically leading braking and comfort systems, AUMOVIO has significant expertise in software, architecture platforms and assistance systems for the rapidly growing future market of software-defined and autonomous vehicles. Our purpose is clear: to make future mobility safe, exciting, connected, and autonomous.