

JOB TITLE¹	Hardware engineer – HW design
Mission (general description of mission and responsibilities)	Design and validation of embedded systems with GSM/WCDMA/LTE capabilities
Activities (<i>split the mission into singular general activities</i>)	
Task/Responsability1	HW features implementation
Task/Responsability2	HW test of features implemented
Task/Responsability3	Electronic component selection for GSM/WCDMA/LTE modules
Task/Responsability4	Technical Documentation
Task/Responsability5	PCB schematic and layout
COMPETENCY REQUIREMENTS	
Education and Training	Bachelor's degree (or higher) Electronical Engineering
Experience	<p>Knowledge of GSM/WCDMA/HSPA/LTE RF system requirements and architecture concepts.</p> <p>Knowledge of circuit blocks such as mixers, LNAs, amplifiers, PLLs, ADC/DACs, filters</p> <p>Antenna theory and practice</p> <p>HW test equipment: Oscilloscopes, Spectrum Analyzers, Vector Analyzers and Power meters.</p> <p>HW system performance testing</p> <p>HW system measurements and performance optimization</p> <p>Knowledge of RF, digital hi speed, analog low noise circuit design and layout requirements</p> <p>Knowledge on transmission line theory, RF transmitter and receiver components and EMC/EMI is valued.</p>