



### About us:

Parallel Wireless is an innovative company in the cellular small-cell business. We're reimagining the architecture of the cellular network to address the existing challenges of bringing cellular coverage to unconnected areas (2G, 3G and 4G) and the future challenges coming with the evolution of 5G. We are a fast-moving, award-winning, amazing technology company, embracing ambitious innovation, cutting-edge technology and customers' success. Lately, we've opened our Israeli branch (central district) which is the main R&D center of the company. We're looking for top talented, creative and ambitious candidates to join our exceptional team.

## ***Open Position: Physical Layer System & Integration Engineer for Advanced Base-Station Products***

We are looking for highly motivated, and passionate, PHY System & Integration experts for the design, implementation, and optimization of advanced cellular communication systems for our next generation base-station products.

### **Job Responsibilities:**

- Good understanding of the cellular standards and the driven implications on RF/Modem/L1 design.
- Develop highly optimized transceiver for the GSM, GPRS, EDGE, WCDMA, HSPA, LTE, LTE-Advanced, 5G-NR wireless standards
- End-to-End accountability with regards to PHY architecture and features implementation, including alternative exploration (trade-offs, simulations, etc.), followed by system specification and implementation leadership.
- Accountable for PHY performance, including regulatory aspect and conformity with goal to reach best in class performance.
- Bring-your-own innovation into our products.

### **Job Requirements:**

- Good understanding in RF architectures, RF blocks, their impairments and algorithms for impairment mitigation.
- Good understanding of Modem architecture, flows and characteristics. Understanding in synchronization, decoding, FEC, equalization, etc.
- Solid knowledge in the physical layer specifications of at least one of the following: 2G, 3G, 4G, 5G-NR - **Advantage**
- Experience in 3GPP features (PHY aspects) such as Carrier Aggregation (CA), CoMP, NB-IoT, Massive-MIMO and UE-specific beamforming – **Advantage**
- An independent problem solver with excellent mathematical and analytical skills.
- Eager to learn and develop your professional skills in the field of wireless communications
- Excellent communication skills, and ability to thrive in a global multi-site environment

### **Education:**

- B.Sc with a major in communication theory and systems and/or signal processing.
- M.Sc/PhD with a major in communication theory and systems and/or signal processing - **Advantage**

### **Job Location:**

- Israel, central district