Job Title: Hardware Engineer

Position Summary:

Design, develop, test and analysis of Cable/DOCSIS Front end circuitry for high volume CPE products with cable and QAM interfaces. This engineer would be a lead RF engineer and be a part of the hardware development team that has developed several exciting award winning home security tablets, advanced gateway devices with wireless and IOT and wireless set top box for streaming video for customers like Comcast, Charter, Cox, and Rogers. The organization encourages a start-up culture that focuses on hands on product development and innovation.

Major Responsibilities:

- Ability to interface with the customer to understand the customer requirements and translate those requirements into design principles.
- Strong understanding of hands on implementation of RF circuits, filter design, return loss analysis etc.
- Perform detailed analysis on digital, analog and RF Circuit characterization and able to use spectrum and network analyzers
- Spearhead cost/performance trade-offs for high volume product design for the RF sub-system
- Able to design circuits that can be shipped in high volume, understanding the variations that might result in high volume manufacturing and taking such considerations in detailed design and analysis
- New system (circuitry and software) bring up and validation as well as test the implications of such designs in a unit basis as well as in the factory
- Strong understanding of the DOCSIS spectrum and MOCA or such similar such wide band spectrums
- Analysis to cover system level performance
- Generate test results that can be shared both internally as well as with the customer
- Good technical communicator of the tradeoff decisions and results to the engineering management team, customer teams
- Experience in designing, developing products that have shipped successfully in high volume is a strong plus

Required Education / Desired Experience / Desired Skills:

- Bachelor of Science in Electrical Engineering, Computer Engineering, or equivalent degree. Masters degree preferred
- 10-15 years relevant experience, in product development
- Knowledge of CMTS-Cable Modem Interaction, including ranging, registration, scheduling and channel bonding
- Strong Hands on Debugging Skills
- Understanding of general network principles
- Proven work experience in RF circuit design that is implemented in consumer electronics or connected devices
- This role requires experience working on connected devices that have a strong RFcomponent, high speed wireless technologies
- Ability to work as a part of a distributed global development team while having a strong ownership of the RF subsystem and understanding the tradeoffs is important
- Excellent communication skills, including ability to tailor communication to audience to achieve desired results
- Excellent problem solving, critical thinking and analytical skills, with strong interpersonal skills
- Must be familiar with and able to use CAD tools for capturing schematics
- Highly motivated self-starter with the ability to drive for results
- Must be proficient with Microsoft Office Suite, Word, Excel, PowerPoint, Word, Outlook, and Visio
- Some domestic and international travel to plants, test facilities, and/or customer facilities may be required.

Please note this Job Profile is not designed to cover or contain a comprehensive listing of activities, duties or responsibilities that are required of the employee for this job. Duties, responsibilities may change at any time with or without notice.

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