Antenna Design Engineer

Energous Corporation (Nasdaq: WATT) is the Wireless Power Network global leader. Our award-winning WattUp® wireless charging solution is the only technology that supports both contact and distance charging through a fully compatible ecosystem. Built atop fast, efficient, and highly scalable RF-based charging technology. Energous develops silicon-based wireless power transfer (WPT) technologies and customizable reference designs, and provides worldwide regulatory assistance, a reliable supply chain, quality assurance, and sales and technical support to global customers. The company received the world's first FCC Part 18 certification for at-a-distance wireless charging and has been awarded over 200 patents for its WattUp wireless charging technology to-date.

Our goal is simple: To power everything from the critical tools and devices that keep factories running to the instruments and wearables that monitor patient health – wirelessly. Our next-generation technology – built atop innovative engineering and backed by hundreds of patents – supports a near-limitless range of applications without the need for cumbersome charging cables and ports that limit innovation and are prone to failure. WattUp delivers advanced capabilities and design flexibility to global manufacturers who are building the latest consumer, medical, military, and industrial devices, among many other sectors.

Essential Duties:

- Design antennas and some RF/microwave blocks, like Balun, array feeding networks.
- Prototype, tune and release the RF/antenna systems
- Bench/lab EM problems solving
- Support regulation efforts and customer

Qualifications:

- Up to 3 years of antenna design experience in consumer electronics (design, prototype, verification, optimization, and production)
- BS/MS/PhD in EE or Physics with emphasis on antennas
- Complete knowledge of working with Ansys Electronics Desktop
- Experience in designing antennas, microwave/transmission line theory
- experience in RF characteristics of various materials for novel RF designs
- Ability to work for multi-task under fast pace environment. Very good teamwork. Being able to get/follow directions
- Hands on: Mock up the antenna design, antenna matching & tuning, antenna measurements, bench soldering and etc.
- Experience in using PADS to review PCB and layouts

Location of Employment:
San Jose, CA (Santa Clara County)

Remote-Working:

No