



Principal System Engineer

Job description

Connected Secure Systems Division is seeking a resourceful Principle System Engineer to engage closely with sales, engineering and customer to bring up new designs, troubleshoot customer prototypes and develop solutions for their WLAN/Bluetooth combo products.

In your new role you will:

- Engage closely with sales, engineering and customer to bring up new designs, troubleshoot customer prototypes and develop solutions for their **WLAN /Bluetooth** combo products.
- Schematic and layout design reviews.
- Test, characterize and optimize the **WLAN/BT** performance on customer's board designs, including help them with regulatory compliance test.
- Resolve all hardware problems and failure analysis to ensure customer's product performance is best-in-class and on time.
- Coordinate with internal chip design, systems and software engineering teams to debug and verify new chips and reference boards.
- Professionally manage relationships with key customers. Drive high customer satisfaction through excellent customer service, problem solving and responsiveness.
- Design reference board development for customers - drive all phases of hardware system development from concept to production, including schematic, component selection, layout, and board bring-up.
- Develop customer documents such as data sheets, design guidelines and application notes.
- Train Field Applications Engineers.

Profile

You are best equipped for this task if you have:

- Typically requires BSEE degree with 15+ years, an MSEE degree with 10+years in relevant fields with a strong track record of success or equivalent experience.
- Ability to work with a variety of internal teams in **Hardware** and Software Engineering, Systems, Field Applications Engineering, Sales, Marketing, Regulatory teams and external customers.
- Experience with RF board design - understand the design rules, **schematic capture, layout** and related CAD tools such as Allegro and OrCAD.

At a glance

Location:	Chandler, AZ (United States)
Job ID:	60441
Start date:	immediately
Entry level:	5+ years
Type:	Full time
Contract:	Permanent

Apply to this position online by following the URL and entering the Job ID in our job search:

Job ID: **60441**
www.infineon.com/jobs



- Hands on debugging RF **wireless systems**, optimization/tuning system performance, and knowledge of FCC compliance test.
- Experience with lab equipment such as oscilloscope, network analyzer, VSA, and other **WLAN/BT** test equipment like Litepoint.
- Understanding of various host interfaces: PCIe, SDIO, USB, I2S, I2C, UART, DDR /flash memory, microcontroller, and sensors are a plus.
- Knowledge of analog design, power management unit like switching regulator /LDO, power amplifier/LNA, and noise sensitive circuits.
*Experience in embedded system design or applications/customer support would be a plus.
- Demonstrate ability to design turnkey solution and understand all aspects of product life cycle are a plus.
- Knowledge of Python script is a plus.
- Strong team-player and practical hands-on problem solver.
- Ability to multitask in a high energy environment.
- Excellent written and verbal communication skills and enthusiasm for solving customer problems in a collaborative manner.

