



Principal System Engineer

Job description

We are looking for good candidate to be part of Infineon ICW HW board design team for silicon/system bring-up and validation. This exciting position will allow candidate to work on leading technology in WLAN and BT products.

- This role will take care of reference board development with next generation IoT combo chip, such as 11ac/11ax and BT5.x.
- The candidate is required to be familiar with hands-on schematics drawing, layout review skill set, excellent RF knowledge & matching expertise, post-silicon bring-up experience, program management to mass production and drive most challenge/issue to be resolved.
- Most important thing is to coordinate with cross-function teams in US and India, which needs best capability to communicate with radio/system/DVT/software /operation teams.

Profile

It typically requires Bachelor of science in EE over 12 years of experience, or above MS degree over 10 years of experience in WLAN/BT hardware design and RF front-end tuning.

1. Demonstrated hands-on reference board design with WLAN/BT combo solutions from multiple generations of 11ac/11ax, BT5.x silicon.
2. Must has outstanding hardware and RF bring-up experience for WLAN + BT combo, as well as best expertise of OFDM/OFDMA, MIMO, RF component knowledge and front-end matching.
3. Familiar with Litepoint IQxel tester, R&S CMW tester, spectrum analyzer, signal generator, network analyzer, power meter, attenuator, and other WLAN/BT test equipment.
4. Proficient with multiple tools for board design, such as OrCAD, Allegro, impedance calculation, ADS simulation and other RF/digital simulation on board level.
5. Strong communication and interpersonal skills to handle whole board design process, debug critical issue, optimize RF matching, decent documentation technique.
6. Experience in resolving critical issue with solid solution and working with other talents in a team, which brainstorm potential solutions.
7. Fluent with good English ability to come out test process and review test report, then be proactive to work with global function teams.

Why Us

Part of your life. Part of tomorrow.

At a glance

Location: **Hsinchu (Taiwan)**
Job ID: **361659**
Start date: **as soon as possible**
Entry level: **5+ years**
Type: **Full time**
Contract: **Permanent**

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