RF and Microwave Engineering

Job Id  E1960143
Job Title  RF Bench Engineer (mmW)

Post Date  01/19/2018
Company - Division  Qualcomm Technologies, Inc. - CDMA Technology
Job Area  Engineering - Hardware
Location  California - San Diego
Job Overview  Qualcomm's RF Product Development and Test Engineering team is looking for mmW and RF Bench Test Engineers to develop test solutions for highly integrated mobile wireless mmW/RF receivers, transmitters, transceivers, low noise amplifiers, and power amplifiers. In this role you will participate in the development of Bench Test solutions used for the design verification and characterization of highly integrated mmW and RF receivers, transmitters, transceivers, low noise amplifiers, and power amplifiers. Responsibilities for this position include bench test system planning, SW development, test methodology development and integration, design and debug of test interface HW, HW/SW integration, and test instrument integration. You will work closely with IC design engineers, RF systems engineers, and product engineers in defining requirements for the bench test system development.

All Qualcomm employees are expected to actively support diversity on their teams, and in the Company.

Minimum Qualifications  2 years of professional experience in the following areas is required:
- Developing test solutions for mmW/RF devices. Test programming skills and RF testing fundamentals.
- Working with test equipment (oscilloscope, spectrum analyzer, signal generators, power meters, arbitrary waveform generators, network analyzer, etc).
- Knowledge of transmission line theory.
- Knowledge of general RF measurements (ie IP3, NF, ACPR, S-parameters, VSWR, RxBN, Spectral Emissions, etc).

Preferred Qualifications  
- Experience in RF test methodology development and implementation using LabVIEW/TestStand or Matlab.
- Understanding of RF Measurement science.
- Knowledge of the measurements necessary to characterize an mmW/RF device through theoretical and practical application.

Education Requirements  Required: Bachelor's, Electrical Engineering
Preferred: Master's, Electrical Engineering

Keywords  Test Engineer, Transmitter, Receiver, Transceiver, LabVIEW, TestStand, Matlab, Power Amplifier, PA, LNA, Low Noise Amplifier, ACPR, ACLR, Noise Figure, NF, IP3, S-parameters, VSWR, RxBN, Spectral Emissions, RF, mmW, OTA, 5G