

Job Position: RF Technician

Location: Belfast, UK

Responsibilities:

1. Support design engineers in the design and development of mm-wave components and systems.
2. Carry out a range of measurements on mm-wave devices (MMICs) and systems in support of design engineers.
3. Carry out a range of electronic assembly and debug operations in support of design engineers.
4. Design basic PCBs and mechanical fixtures for device evaluation.
5. Work with mechanical, electronic, and software engineers on system integration and assembly.
6. Assist in creating test plans.
7. Assist with technical reports and design review material in support of R&D activities.

Qualifications and Experience:

1. HNC/D or Degree in Electrical/Electronic Engineering. (RF module or project experience a bonus).
2. 3+ years post qualification experience in an electronics R&D laboratory or electronics manufacturing environment. (RF product experience a bonus).

Required Skills:

1. PCB assembly and rework experience using variety of soldering techniques to mount SMD packages including QFN, SOP etc. and chip components down to 0201, 01005 case size.
2. Ability to work under a microscope to assemble, test and troubleshoot RF circuits and hybrid assemblies, utilizing hand tools such as torque drivers, tweezers etc; good dexterity and hand/eye coordination essential.
3. Proven ability to test and debug electronic circuits with standard electronic test equipment i.e. power supplies, DMM, oscilloscopes etc.
4. Excellent written and verbal communication skills.
5. Willingness to learn about new techniques and technology.

Desirable skills:

1. Experience with bare die assembly techniques i.e. epoxy / eutectic attach, and Au wire-bonding.
2. Basic PCB design experience from circuit design and simulation through to schematic and Layout (Altium Designer or equivalent).
3. Basic experience with RF simulation tools a bonus (CST, ADS, or AWR).
4. Ability to perform basic RF measurements using Instruments such as VNA, Spectrum Analyzer, RF Power Meters etc.
5. Working knowledge of RF connectors and adaptor types, cables, and measurement accessories i.e. Couplers, Attenuators etc.
6. Basic mechanical CAD experience (SolidWorks or equivalent).