

Position	Junior Lab Engineer / Lab Technician
Department	Electron Devices / Nijmegen Microwave Laboratory
Reporting to	General Manager – NL LAB
Job Purpose	
Support the Electron Devices Engineering team with the assembly, tuning and testing of products.	
Duties and Responsibilities	
<ul style="list-style-type: none"> • Build prototypes (with die bonder and wired bonder machines) of PA Modules (m-MIMO) and discrete transistors (macro) • Assemble power amplifier demos (assembling PCB, base plate; soldering, transistor, capacitors etc.) • Make PCB prototypes with the LPKF machine, drill holes, etc. • Carry out/organise calibration of laboratory measuring equipment • Manage the lab: stock of components, etc. • <i>Rework demos to optimize certain performance criteria, tune Doherty power amplifiers following customer requirements</i> • <i>Carry out laboratory measurements of Doherty Power Amplifiers demos at different frequencies and power levels</i> • <i>Develop software for automating the test bench measurement</i> • Support the engineers with the design of power amplifiers <p><i>Duties in italics are optional, depending on experience and qualifications</i></p>	
Core Skills	
<ul style="list-style-type: none"> • Assembly/prototyping RF Power devices or modules, possibly in a prototype / NPI assembly line or a RF laboratory • <i>And/or Knowledgeable and competent in the use of RF measurement equipment</i> • <i>And/or Confident in carrying out accurate testing and recording of measurements within laboratory environment</i> • Good communication skills and the ability to converse in English, both written and spoken • Good organisational and planning skills <p><i>Skills in italics are optional, depending on experience and qualifications</i></p>	
Experience	
<ul style="list-style-type: none"> • Experience in using wire and die bonders to assemble RF power transistors and/or PA modules • <i>Working in a laboratory environment as an engineer or technician</i> • <i>Good knowledge of RF measurement equipment: VNA, power meters etc., experience in characterisation</i> • <i>An ability to tune a Doherty or willingness to learn</i> • <i>Previous experience of designing power amplifiers is a plus</i> 	
Qualifications	
<ul style="list-style-type: none"> • A qualification as electrical engineer or technician or similar is desirable 	