



Job Description

Position:	RF and Certifications Engineer
About the Company, and working environment:	<p>CyanConnode is a world leader in narrowband radio frequency (RF) Smart Mesh Networks, headquartered in Cambridge UK, with subsidiaries in India and Sweden.</p> <p>CyanConnode is an equal opportunity employer, and we take pride in the diversity of our employees, valuing the special experience and expertise that people from different cultures and backgrounds bring to our business. We are a global organization with employees from different countries and backgrounds in the UK and India. The ability to develop ground-breaking technologies is one of our key assets and our people make it happen. Open plan office with excellent facilities, adjacent to the world-renowned Science Park in Cambridge, with access to private meeting rooms and private car parking, and hybrid working environment.</p>
Directly reports to:	Hardware Team Lead.
Direct reports:	None
Regularly interacts with:	<p>Hardware Team Operations Team Software Team</p> <p>External: Certification Test Labs / Accreditation facilities / Approvals Bodies Suppliers / CEM's / Vendors</p>
Primary location:	CyanConnode Office, Cambridge
Travel requirements:	Visits to test laboratories and certification houses in the UK. Possible international travel to CEM sites or test labs in other countries (if needed).

<p>Role description:</p>	<p>CyanConnode is currently seeking a RF and Conformance Engineer to join their Hardware team, based in Cambridge, near the Science Park.</p> <p>This opportunity would be ideal for a RF Test Engineer / RF Design and Validation Engineer / Conformance Engineer / Certifications Engineer with 5-7 years of experience in RF circuit design and validation, who is has been involved with production certification and conformance in their previous roles.</p> <p>The right individual would be looking for an opportunity to play a key role in the growth of a fantastic business.</p>
<p>Primary responsibilities will include:</p>	<p>This role requires a hands-on, practical Engineer with knowledge and experience in the following areas:</p> <ul style="list-style-type: none"> • Supporting the HW team in the delivery of development projects. • Testing and Validation for RF based products and designs. • Working on Cellular Technology based Product Development and Validation. • Formal Compliance and pre-compliance testing for RF and non-RF products. • Product Certification to international and in-country standards. • Testing and verifying product performance / reliability against design specifications and producing test reports. • Hands on debugging / reworking, hardware bring up, use of standard lab equipment to debug issues as needed. • Working with Operations and Manufacturing teams to test and debug any operational issues identified with products.
<p>Experience and skills required:</p>	<p>The following skills and capabilities would be required for the selected individual:</p> <ul style="list-style-type: none"> • Significant experience of testing and validation of sub-GHz RF design for SigFox/LoRA/Zigbee/RFID/IOT devices or similar (Bluetooth / Wi-Fi) - essential. • Significant experience of testing and validation of Cellular Modems and modules for 2G/3G/4G/5G technology - essential. • Validation of PCB Antenna design for sub-1GHz RF modules - desirable. • Experience of testing complex products for EMC/EMI for compliance and pre-compliance - essential. • Experience in debugging EMC/EMI issues in products - essential. • Experience in using RF test equipment like Spectrum Analyser / Vector Network Analyser / RF Power Meter etc - essential. • Experience in creating and managing certification test plans for products - desirable. • Experience in putting products through the full approval and certification for process for CE compliance / RED certification - essential.

	<ul style="list-style-type: none"> • Experience in putting products through the full approval and certification for in-country approvals like TEC (India) / WPC (India) / SIRIM (Malaysia) - desirable. • Writing Test Reports / Technical documentation - essential. • Attention to detail and good problem-solving skills - essential. • Working with version control tools like Git, Gitlab, SVN (or similar) - desirable. • Working with planning tools like Jira, Trello (or similar) - desirable.
Personal attributes:	<ul style="list-style-type: none"> • Analytical with solving focused attitude. • Flexible; able to work in a small team, or individually as required. • Willingness to learn and looking to progress in RF design and certification / conformance. • Good communication skills in dealing with external parties such as test labs and contract equipment manufacturers. • Ability to get on with a task and take it to completion once shown how to perform it. • Ability to show initiative.
Working environment:	<ul style="list-style-type: none"> • Hybrid Home/office environment with meeting rooms, whiteboards and projector • Candidates based out of Cambridge/who can move to Cambridge are preferred.
Qualifications:	<ul style="list-style-type: none"> • Bachelors or Master's Degree in relevant fields • HND in relevant fields • Good understanding and use of PCs • MS Office-based tools.
Benefits:	<ul style="list-style-type: none"> • Share options • 25 days annual leave • Private health insurance plan (currently BUPA) • Pension scheme with employer contributions • Life cover (3x salary)
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