+27 11 034 5300
sales@antennas.alaris.tech
www.antennas.alaris.tech

All members of the company are to abide by the company's policies and procedures.

ANNEXURE A: **JOB PROFILE**

1. POSITION

Position title:	RF Electronic Engineer
Department:	Product Development
Reporting to:	Project and Engineering Manager

2. REQUIREMENTS

Education (essential):	Bachelor's or Master's degree in electronic engineering, or a related field
Education (suggested):	Professional certifications in RF design or PCB design. Experience with antenna design and characterization is beneficial. Familiarity with FPGA programming and digital signal processing (DSP) concepts is a plus.
Minimum applicable work experience (years):	3+ years
Required nature of applicable experience	Proficiency in RF and digital electronic circuit design, simulation, and analysis using industry-standard tools such as Altium, or similar. Solid understanding of RF principles and concepts, including transmission line theory, impedance matching, and RF component characteristics. Experience with RF test equipment and measurement techniques, such as spectrum analyzers, vector network analyzers, and oscilloscopes. Familiarity with PCB layout and design considerations for RF and high-speed digital circuits. Knowledge of industry standards and regulations related to RF systems and electromagnetic compatibility (EMC). Strong problem-solving skills and the ability to analyse complex RF and electronic systems. Excellent communication skills and the ability to work effectively in a collaborative team environment. Self-motivated and proactive, with the ability to manage multiple tasks and priorities effectively.
Main purpose of the role:	Alaris Antennas, a subsidiary of the Alaris Holdings Group, is seeking a talented and motivated RF/Electronic Design Engineer to join our team. As a leading global provider of advanced antenna systems and solutions for defence, aerospace, and telecommunications industries, we are dedicated to delivering cutting-edge technologies to the global defence, homeland security, and specialized antenna markets. About Alaris Antennas: Alaris Antennas, part of the Alaris Holdings Group, is known for its commitment to innovation and excellence. We foster a dynamic and collaborative work environment where creativity and expertise thrive. Join us and contribute to our mission of shaping the future of advanced antenna technologies.

Computer literacy (essential):	Altium or similar MS Office MATLAB
Computer literacy (suggested):	Sharepoint
Language proficiency:	English
Other Characteristics: **(Based on the Values and Competency Frameworks)**	High levels of initiative and accountability Excellent technical problem-solving skills Logical thinker Self-driven Excellent oral and written communication skills Work well under pressure and adhere to deadlines

3.   KEY RESPONSIBILITIES

Responsibilities		
		➢ Collaborate with cross-functional teams, including Embedded Software Engineers, RF Engineers, Mechanical Engineers, Test Engineers, and other Electronic Design Engineers, to develop and optimize RF and electronic hardware solutions for advanced antenna systems. ➢ Design, simulate, and validate RF and electronic circuits and components, including amplifiers, filters, mixers, oscillators, and matching networks, to meet performance specifications. ➢ Perform RF and electronic system-level analysis, including noise figure, linearity, and signal integrity, to ensure optimal system performance. ➢ Conduct extensive testing and characterization of RF and electronic hardware prototypes, utilizing RF test equipment such as spectrum analyzers, vector network analyzers, and oscilloscopes. ➢ Collaborate with production and manufacturing teams to support the transfer of designs into production, ensuring manufacturability and reliability. ➢ Stay updated with the latest advancements in RF and electronic design methodologies, industry trends, and relevant technologies, and apply this knowledge to enhance product designs and development processes. ➢ Provide technical support to other teams, including customer support, to ensure successful product deployment and customer satisfaction.