ANYWAVES

SPACE, UNMUTED

JOB OFFER

Hardware RF Engineer (M / F)

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About Anywaves

Anywaves is an international space technology company specialising in antennas, RF electronics, embedded software, avionics and integrated payload subsystems for satellite missions. Building on more than 25 years of engineering heritage, we bring together complementary expertise from our teams in Toulouse, France, Hautcharage, Luxembourg, and Austin, Texas. From design and project management to testing, industrialisation and production, we develop high-performance technologies for commercial and institutional customers worldwide. Our solutions support satellite communication, navigation, Earth observation and other demanding space applications, from individual products to complete RF payload subsystems.

With more than 120 employees representing a wide range of nationalities and technical backgrounds, Anywaves combines the agility and close collaboration of an entrepreneurial company with the capabilities of a growing international group. Joining Anywaves means contributing directly to ambitious space programmes, solving complex technical challenges and helping shape the next generation of satellite technology.

Key Responsibilities:

- Design, implement and validate of RF/Microwave passive and active functions such as filters, power divider/couplers, PA, LNA, High Purity Clock generator, transceivers chains, up/down converters chains, etc.
- Analyze and simulate high frequency systems.
- Optimize new and existing design to facilitate manufacturing, assembly and testing.
- Implement and follow-up prototypes manufacturing and assembly.
- Develop test methodology and verification plans for all analogue functional blocks and all associated documentation.
- Perform tests in laboratory and other specific test facilities.
- Analyse test results and debug assembly circuits.
- Implement design correction and prepare for batch production.

Preferred Skills:

- Previous records of design and implementation RF transceiver chains.
- Know-how in Software Defined Radio and Digital Signal Processing.
- Knowledge in antenna design.
- Python script knowledge.

Job Requirements

- Experience with circuit analysis and design, CAD schematic tools, circuit simulation tools, and design evaluation.
- Deep knowledge in high-quality clock signal generation, perfectly managed phase noise and complex PLL design.
- Deep measurement experience using following equipment: spectrum and signal analysers, signal generators, vector network analyser.
- Experience with block diagrams of up-converter and down-converter superheterodyne topologies.
- Fluent in English – French or German are strong assets
- Over 5 years relevant experience
- The candidate must be eligible for a “SECRET” security clearance, in accordance with the national regulations as well as EU/ESA/NATO equivalents

We invite you to submit your CV and cover letter, showcasing your motivation for the position and positive impacts to the company to **jobs@anywaves.lu**. Expose and demonstrate how your skills align with the job requirements to make a meaningful impact.

Start: as soon as possible
Contract type: Permanent
Location: Hautscharage, Luxembourg
Compensation: According to profile

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